

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080219\
 Data File : VX011291.D
 Acq On : 02 Aug 2019 09:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 12:11:36 PM

Quant Time: Aug 03 05:47:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	228408	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	78002	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	5.49	113	74680	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	8.71	98	281761	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	105007	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	58372	46.151	ug/l	97
3) Chloromethane	1.32	50	61942	43.611	ug/l	99
4) Vinyl Chloride	1.40	62	70888	45.373	ug/l	100
5) Bromomethane	1.63	94	49718	44.620	ug/l	97
6) Chloroethane	1.71	64	48006	49.611	ug/l	100
7) Trichlorofluoromethane	1.92	101	128817	46.371	ug/l	98
8) Diethyl Ether	2.18	74	43469	43.822	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	68866	45.816	ug/l	99
10) Methyl Iodide	2.50	142	84783	44.740	ug/l	100
11) Tert butyl alcohol	3.04	59	72200	219.550	ug/l	99
12) 1,1-Dichloroethene	2.36	96	67759	45.476	ug/l	96
13) Acrolein	2.28	56	46130	225.674	ug/l	100
14) Allyl chloride	2.72	41	94213	47.430	ug/l	100
15) Acrylonitrile	3.13	53	178232	227.114	ug/l	99
16) Acetone	2.43	43	196432	250.239	ug/l	100
17) Carbon Disulfide	2.56	76	164320	46.996	ug/l	100
18) Methyl Acetate	2.76	43	75997	42.364	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	203360	46.314	ug/l	99
20) Methylene Chloride	2.85	84	75304	43.803	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	72381	45.923	ug/l	93
22) Diisopropyl ether	3.84	45	199269	45.645	ug/l	94
23) Vinyl Acetate	3.81	43	869569	240.153	ug/l	100
24) 1,1-Dichloroethane	3.68	63	116073	45.090	ug/l	99
25) 2-Butanone	4.66	43	263194	235.704	ug/l	99
26) 2,2-Dichloropropane	4.57	77	94961	47.454	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	84070	46.308	ug/l	95
28) Bromochloromethane	5.01	49	54382	46.339	ug/l	99
29) Tetrahydrofuran	5.12	42	148033	216.213	ug/l	99
30) Chloroform	5.20	83	126453	45.197	ug/l	98
31) Cyclohexane	5.57	56	99928	47.051	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	111946	46.707	ug/l	100
36) 1,1-Dichloropropene	5.79	75	93849	47.061	ug/l	99
37) Ethyl Acetate	4.82	43	90385	45.185	ug/l	100
38) Carbon Tetrachloride	5.77	117	100206	49.945	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	114483	48.431	ug/l	97
40) Benzene	6.13	78	289181	48.595	ug/l	99
41) Methacrylonitrile	5.02	41	47862	43.812	ug/l	96
42) 1,2-Dichloroethane	6.18	62	94861	47.141	ug/l	100
43) Isopropyl Acetate	6.43	43	147355	46.076	ug/l	99
44) Trichloroethene	7.21	130	86044	47.769	ug/l	94
45) 1,2-Dichloropropane	7.51	63	71867	46.631	ug/l	92
46) Dibromomethane	7.65	93	52863	46.986	ug/l	98
47) Bromodichloromethane	7.89	83	94932	49.837	ug/l	97
48) Methyl methacrylate	7.76	41	72055	47.875	ug/l	100
49) 1,4-Dioxane	7.73	88	39320	901.149	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	494203	239.448	ug/l	100
52) Toluene	8.78	92	190530	48.425	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	102703	46.507	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	114411	51.418	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	78514	48.534	ug/l	98
56) Ethyl methacrylate	9.18	69	113333	49.161	ug/l	100
57) 1,3-Dichloropropane	9.37	76	122197	47.763	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	276586	244.008	ug/l	99
59) 2-Hexanone	9.49	43	397118	248.409	ug/l	100
60) Dibromochloromethane	9.58	129	83845	50.624	ug/l	100
61) 1,2-Dibromoethane	9.67	107	84767	48.500	ug/l	98
64) Tetrachloroethene	9.34	164	85996	47.086	ug/l	98
65) Chlorobenzene	10.13	112	218074	47.293	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	78141	49.499	ug/l	98
67) Ethyl Benzene	10.25	91	374929	48.551	ug/l	99
68) m/p-Xylenes	10.35	106	293398	98.224	ug/l	100
69) o-Xylene	10.69	106	140226	47.779	ug/l	100
70) Styrene	10.71	104	244092	50.264	ug/l	100
71) Bromoform	10.85	173	63388	45.197	ug/l #	99
73) Isopropylbenzene	11.02	105	382335	47.136	ug/l	100
74) N-amyl acetate	10.90	43	141068	48.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	121899	45.096	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	101194m	46.853	ug/l	
77) Bromobenzene	11.25	156	103575	46.049	ug/l	98
78) n-propylbenzene	11.36	91	439058	48.675	ug/l	99
79) 2-Chlorotoluene	11.42	91	251446	46.769	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	326144	48.033	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35520	44.466	ug/l	100
82) 4-Chlorotoluene	11.51	91	296584	47.335	ug/l	100
83) tert-Butylbenzene	11.77	119	319056	47.910	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	329613	48.757	ug/l	100
85) sec-Butylbenzene	11.94	105	387649	48.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	362676	49.272	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	188179	47.351	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	188859	46.086	ug/l	99
89) n-Butylbenzene	12.38	91	313030	49.362	ug/l	99
90) Hexachloroethane	12.59	117	54720	50.283	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	185552	46.468	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	24245	46.296	ug/l	98

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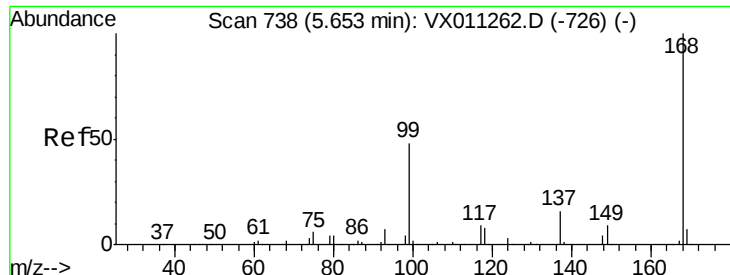
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	128962	48.699	ug/l	99
94) Hexachlorobutadiene	13.78	225	65161	48.499	ug/l	98
95) Naphthalene	13.83	128	377945	48.803	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126573	47.015	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 163763

Ion Ratio Lower Upper

168 100

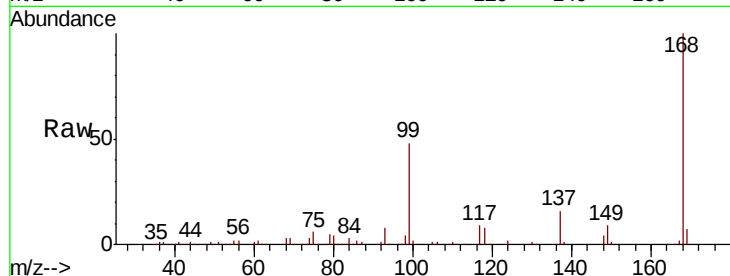
99 47.9 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

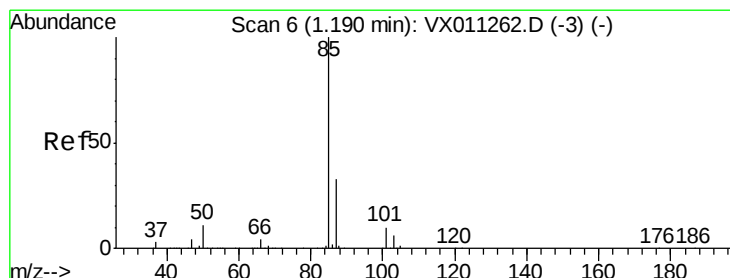
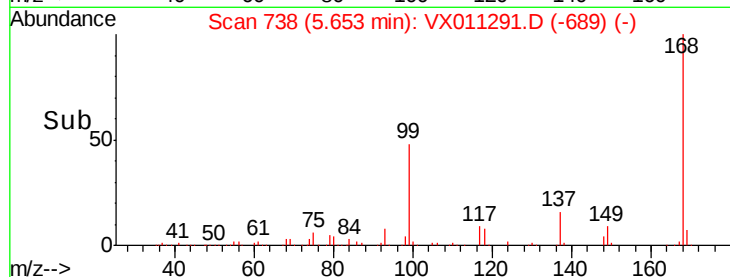
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.151 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011291.D

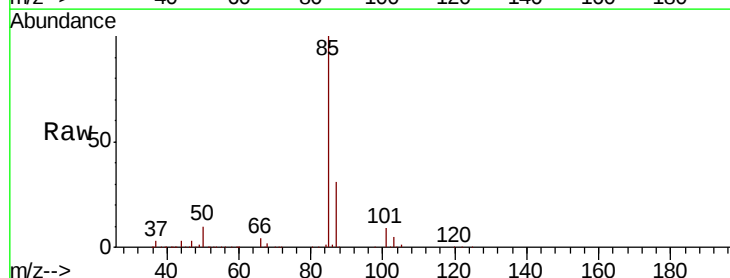
Acq: 02 Aug 2019 09:37

Tgt Ion: 85 Resp: 58372

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

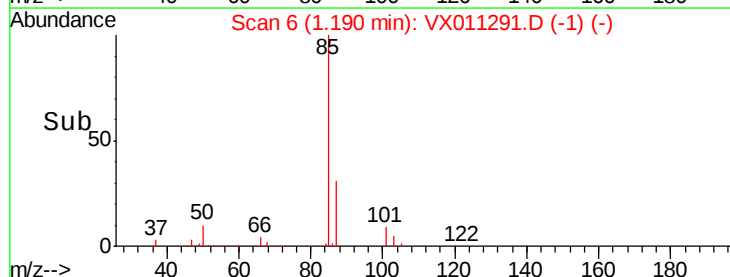
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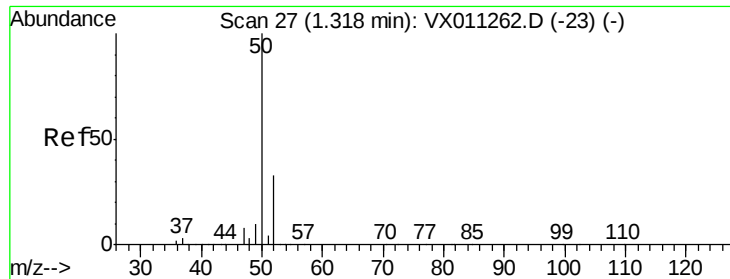
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.611 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 61942

Ion Ratio Lower Upper

50 100

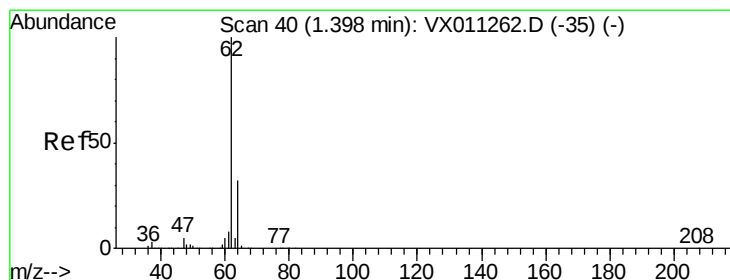
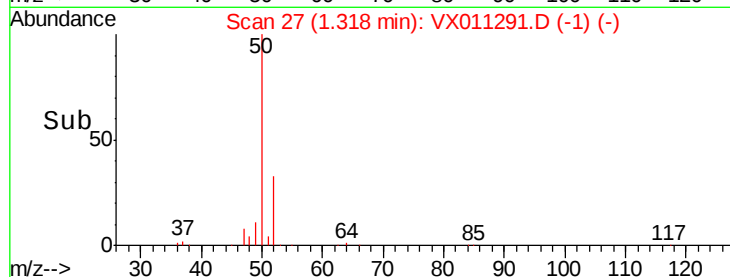
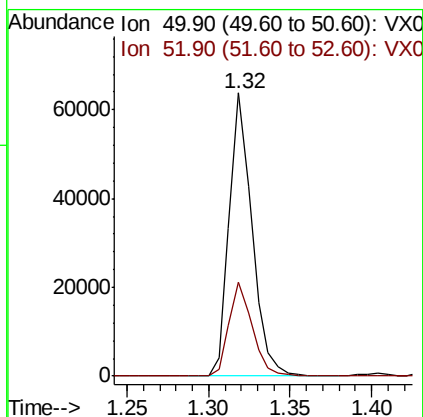
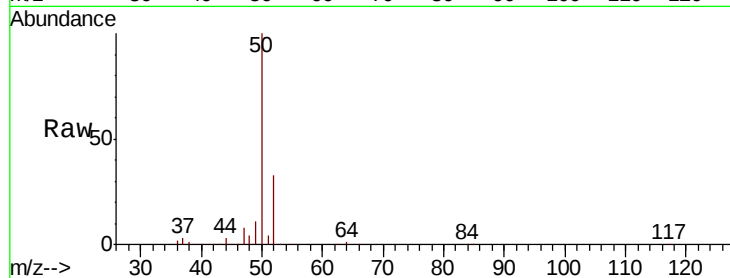
52 33.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.373 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011291.D

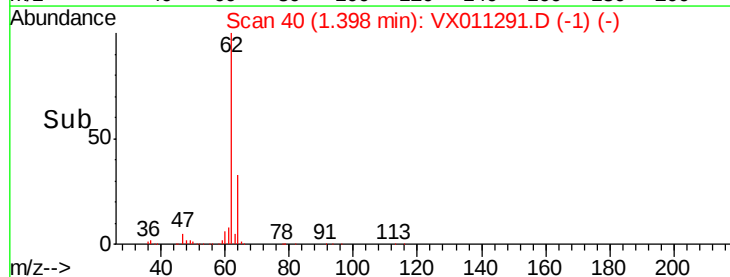
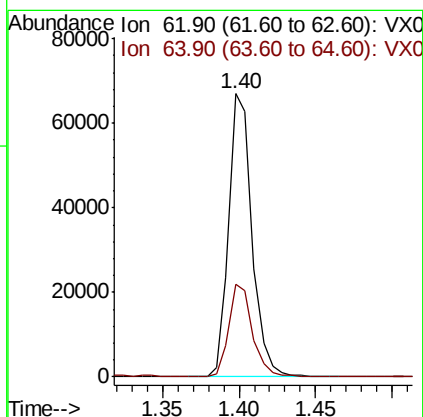
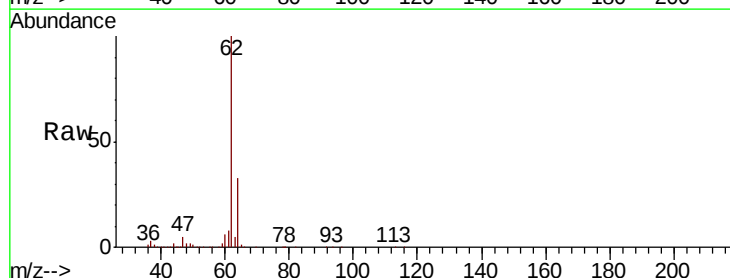
Acq: 02 Aug 2019 09:37

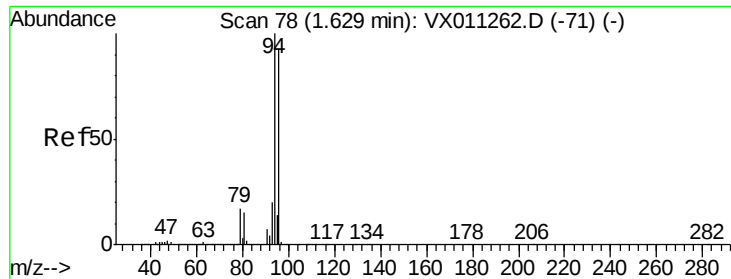
Tgt Ion: 62 Resp: 70888

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 44.620 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49718

Ion Ratio Lower Upper

94 100

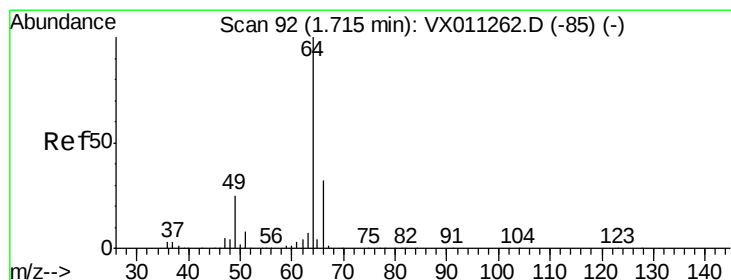
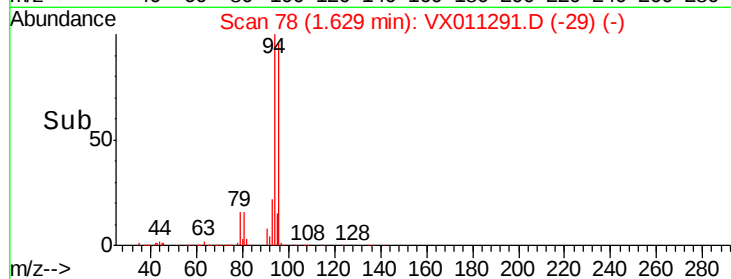
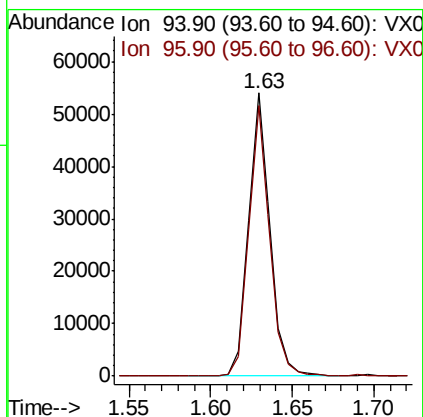
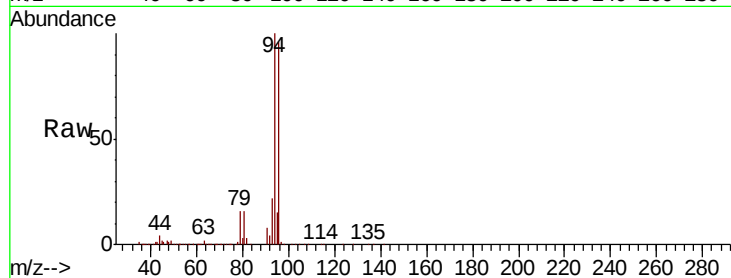
96 95.7 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 49.611 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011291.D

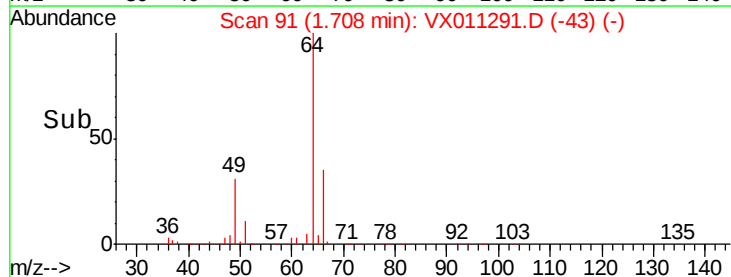
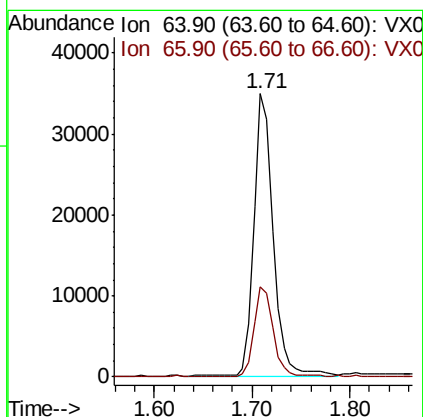
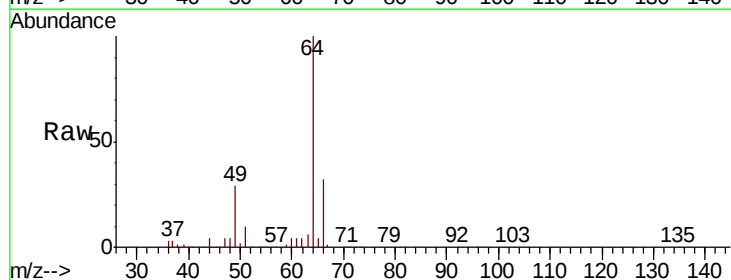
Acq: 02 Aug 2019 09:37

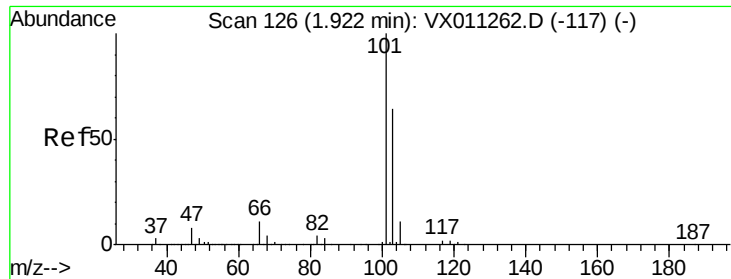
Tgt Ion: 64 Resp: 48006

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7





#7

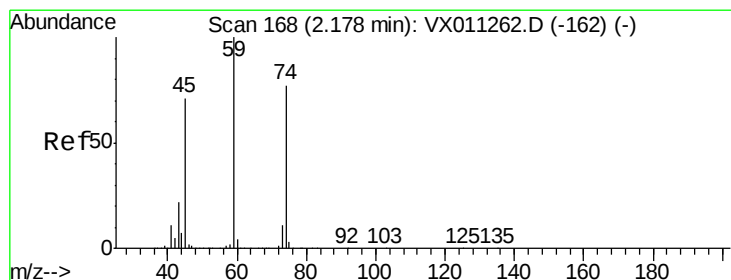
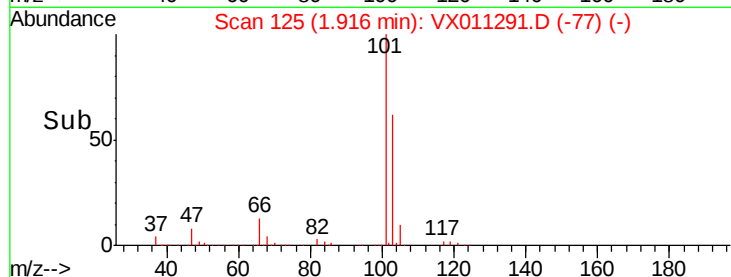
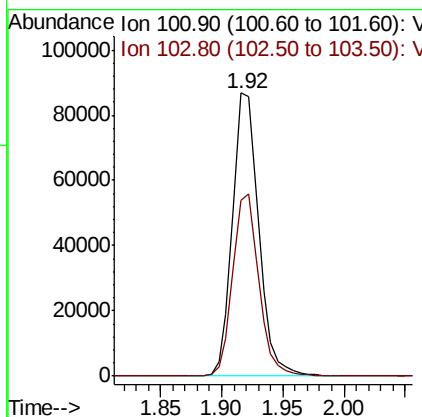
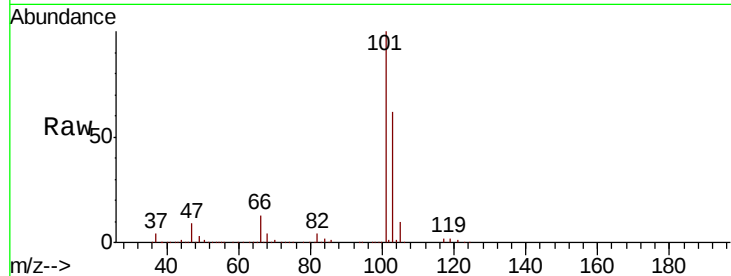
Trichlorofluoromethane
Concen: 46.371 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

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VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	128817		
103	61.9	50.9	76.3	

Manual Integrations
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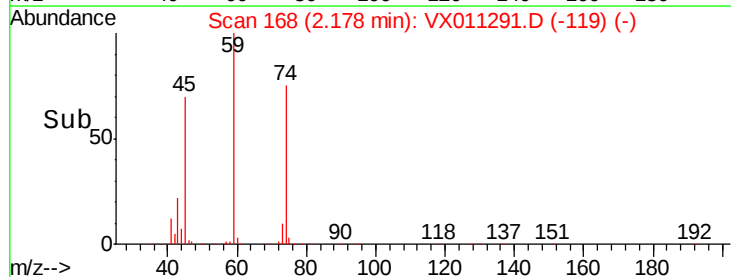
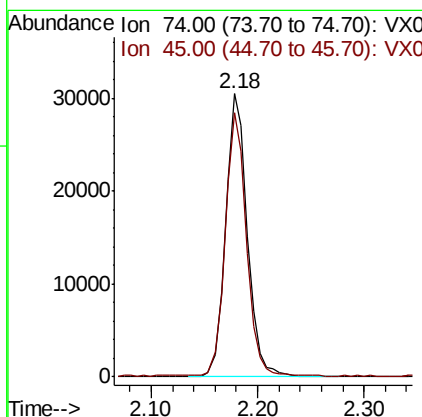
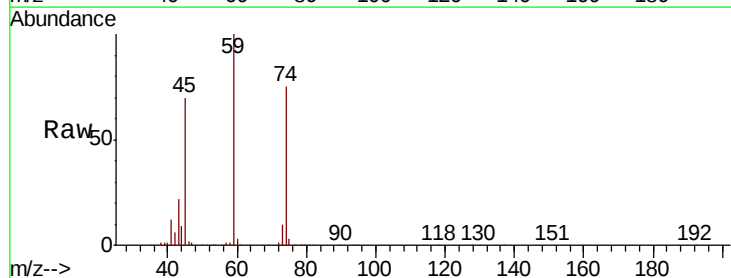
MMDadoda
8/6/2019 12:11:36 PM

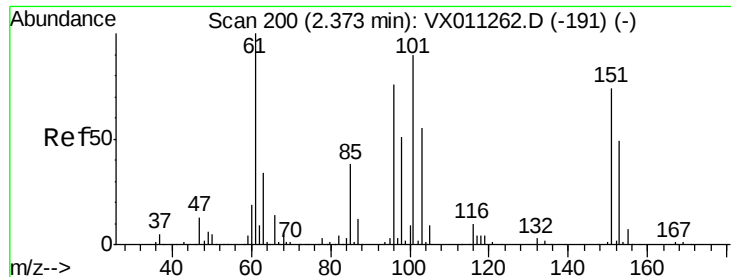


#8

Diethyl Ether
Concen: 43.822 ug/l
RT: 2.18 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43469		
45	90.0	46.1	138.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.816 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

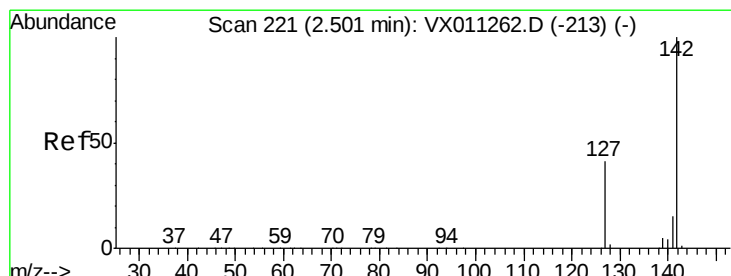
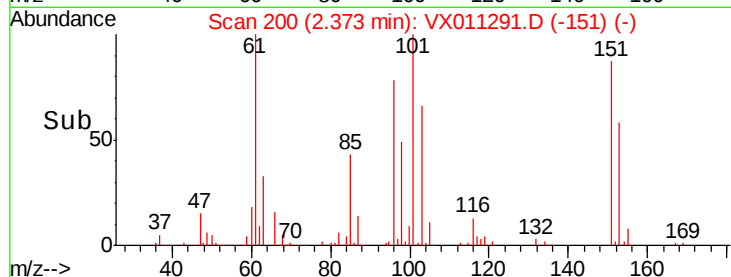
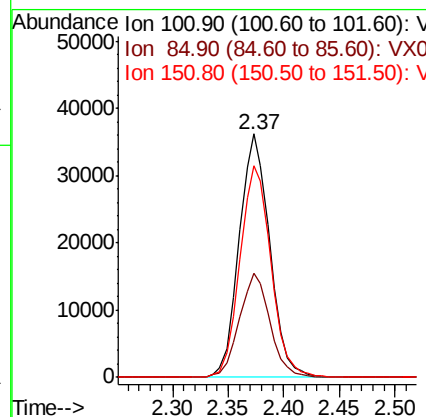
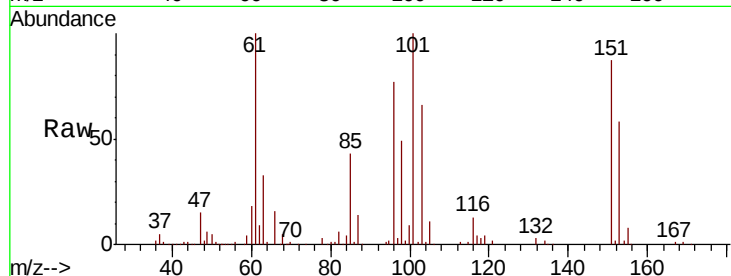
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	68866
Ion	Ratio	Lower	Upper
101	100		
85	42.9	33.8	50.6
151	88.1	69.5	104.3

Manual Integrations
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#10

Methyl Iodide

Concen: 44.740 ug/l

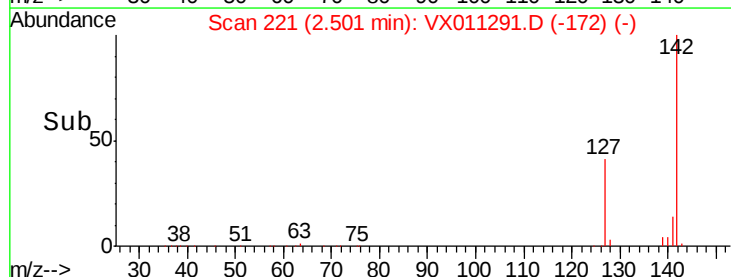
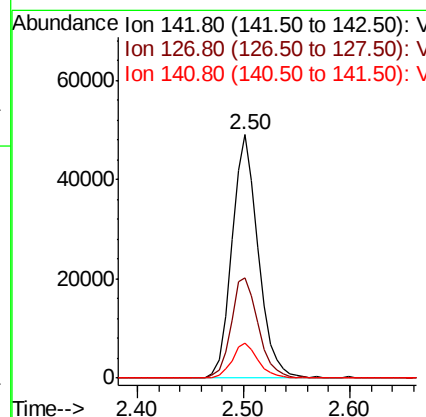
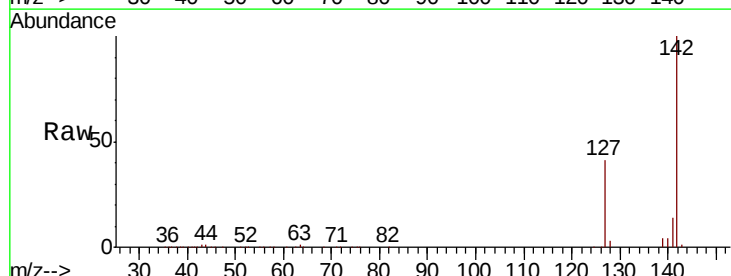
RT: 2.50 min Scan# 221

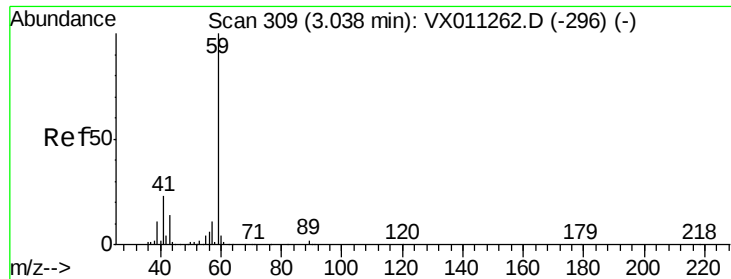
Delta R.T. 0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Tgt Ion:	142	Resp:	84783
Ion	Ratio	Lower	Upper
142	100		
127	42.4	33.8	50.8
141	14.2	11.4	17.2





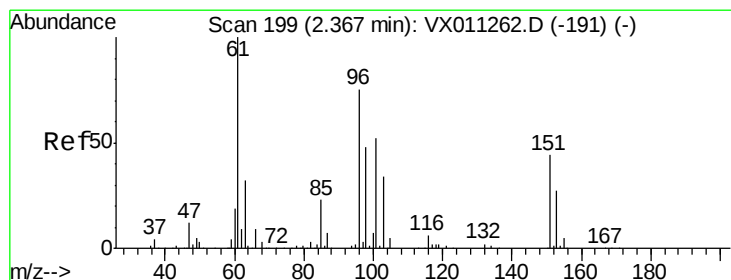
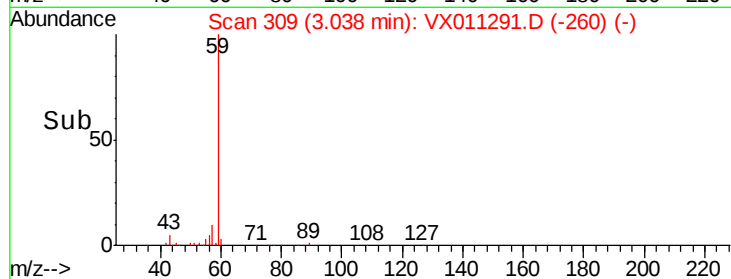
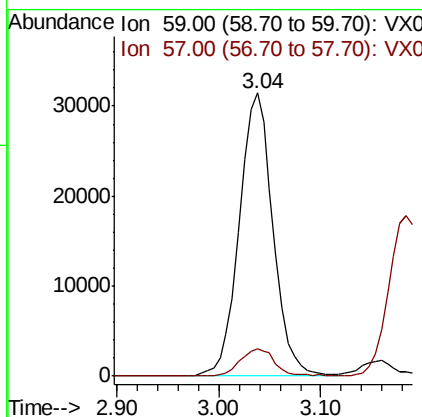
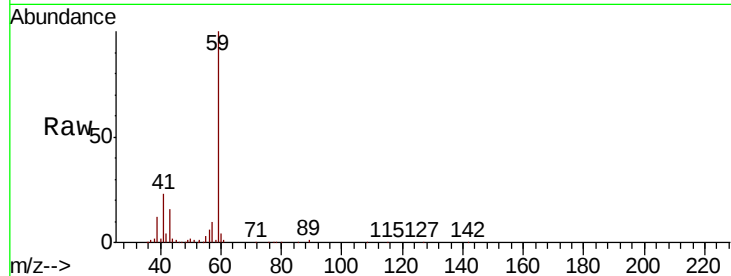
#11
Tert butyl alcohol
Concen: 219.550 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	72200
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

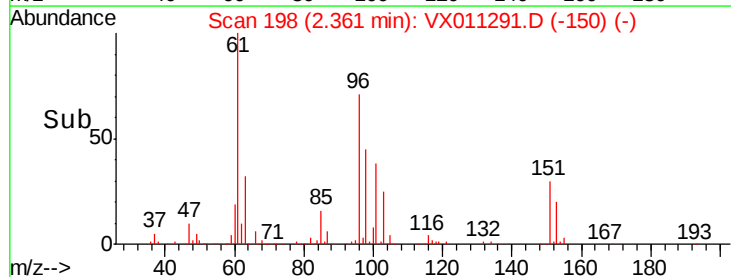
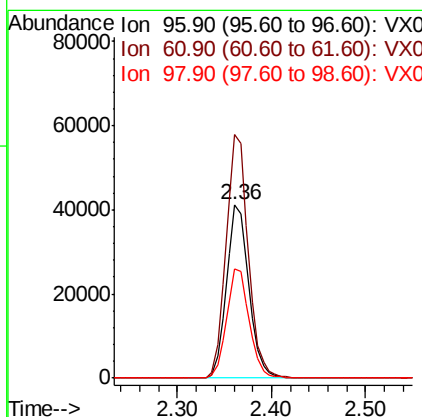
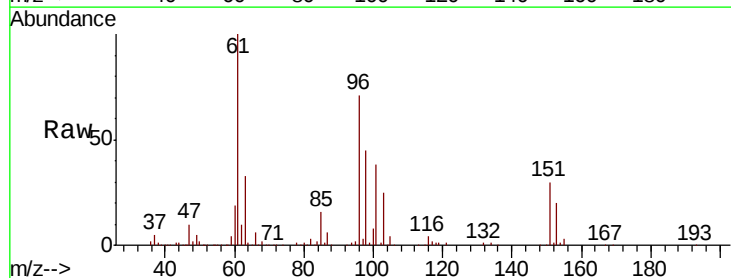
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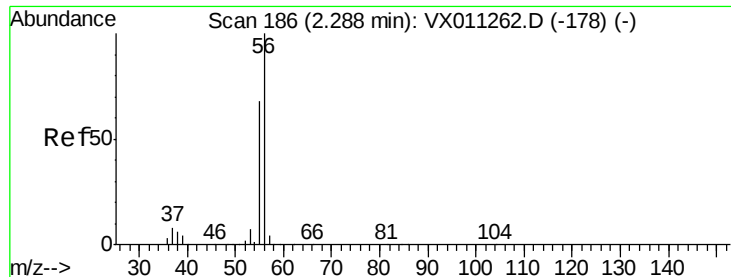
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.476 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	96	Resp	67759
Ion Ratio	100	Lower	Upper
61	140.1	106.2	159.2
98	63.2	50.6	75.8





#13

Acrolein

Concen: 225.674 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 46130

Ion Ratio Lower Upper

56 100

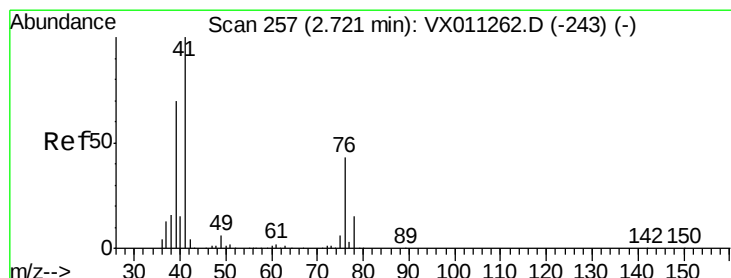
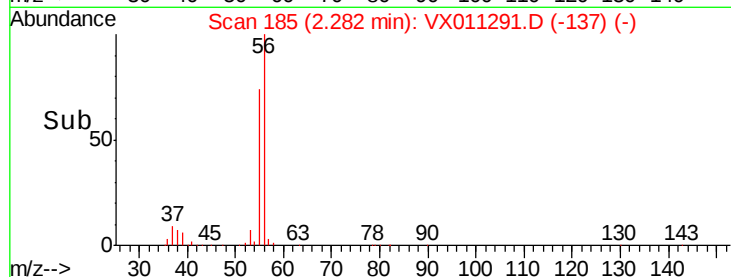
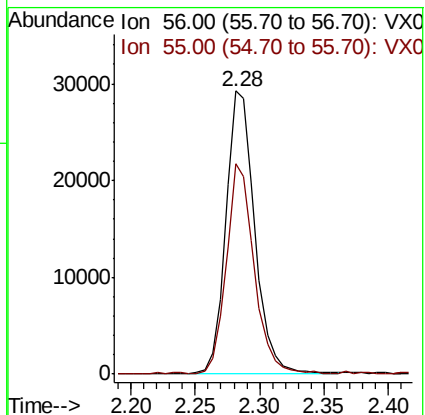
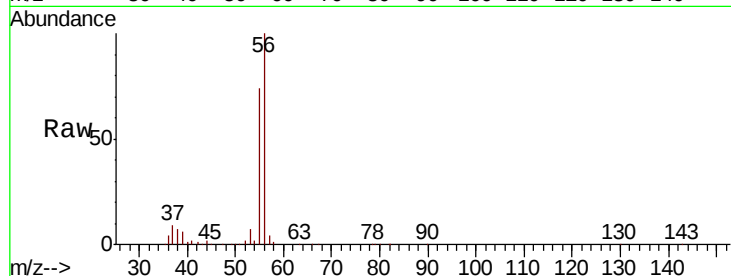
55 70.1 56.0 84.0

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#14

Allyl chloride

Concen: 47.430 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

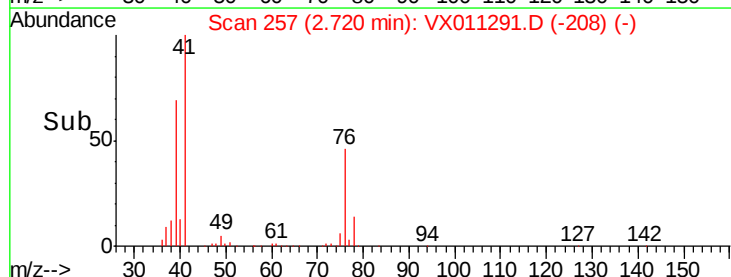
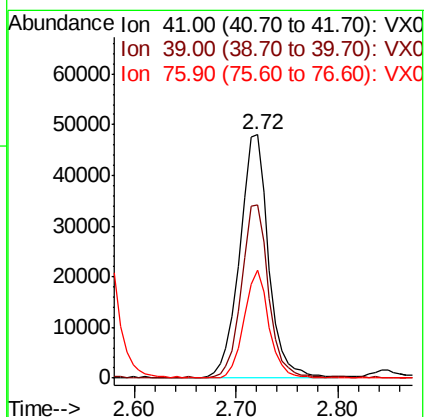
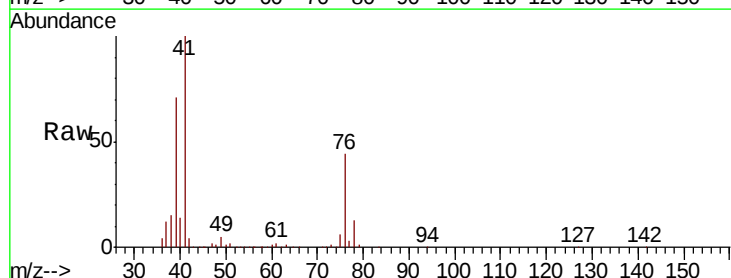
Tgt Ion: 41 Resp: 94213

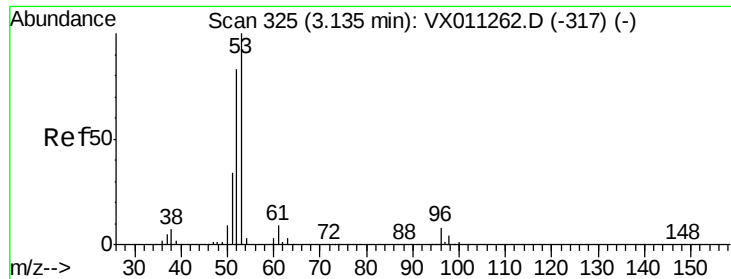
Ion Ratio Lower Upper

41 100

39 65.9 52.8 79.2

76 38.5 31.1 46.7





#15

Acrylonitrile

Concen: 227.114 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

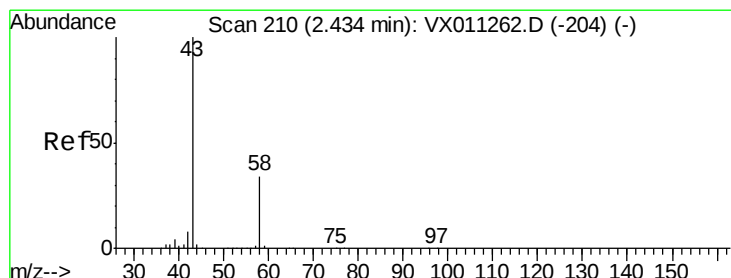
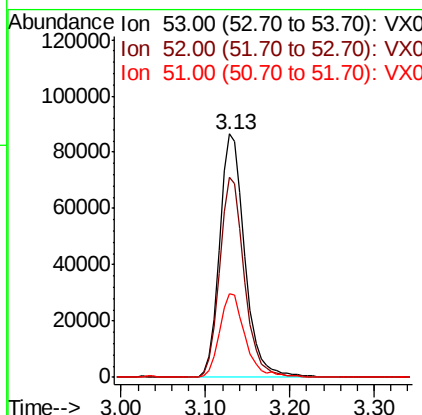
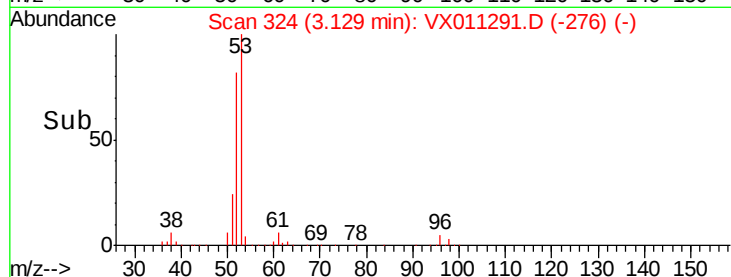
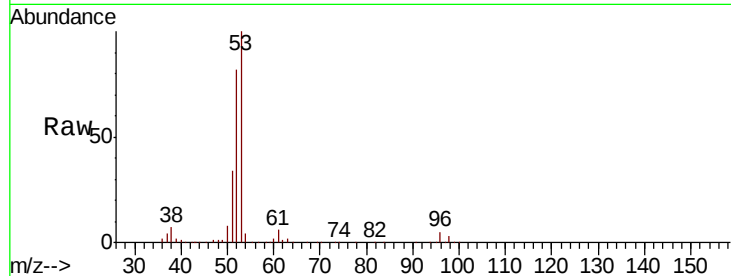
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	178232
Ion Ratio		Lower	Upper
53	100		
52	80.6	65.5	98.3
51	34.6	27.9	41.9

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#16

Acetone

Concen: 250.239 ug/l

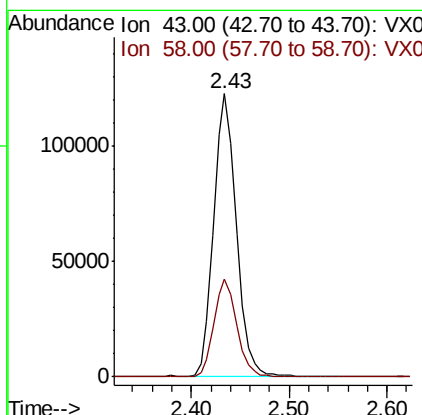
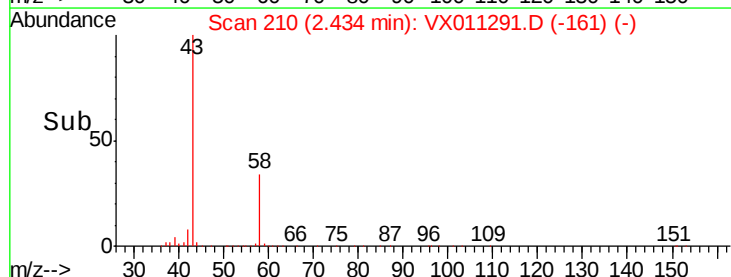
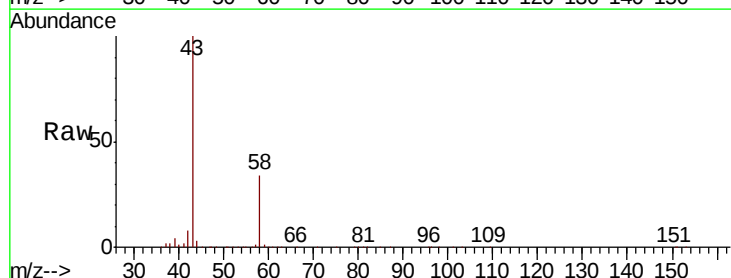
RT: 2.43 min Scan# 210

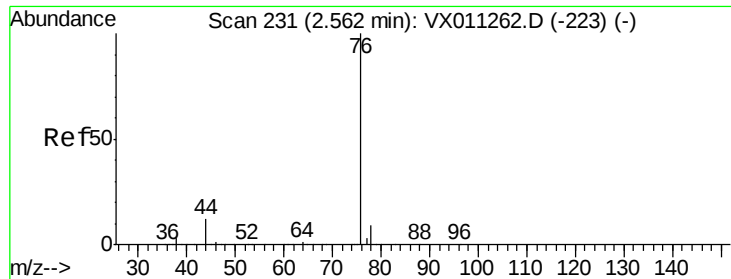
Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Tgt Ion:	43	Resp:	196432
Ion Ratio		Lower	Upper
43	100		
58	34.4	27.4	41.0





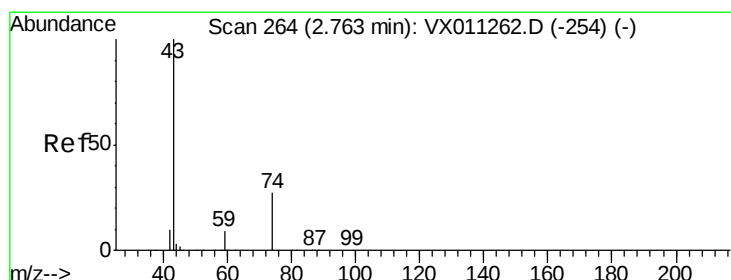
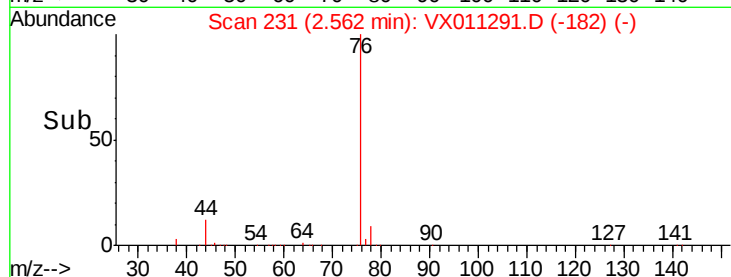
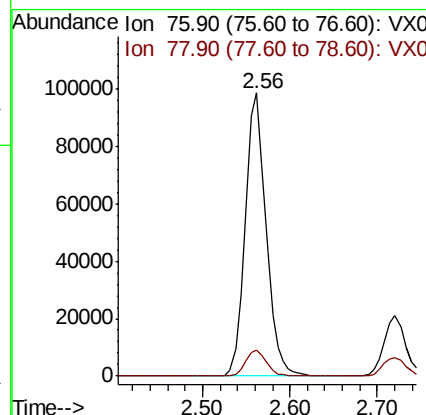
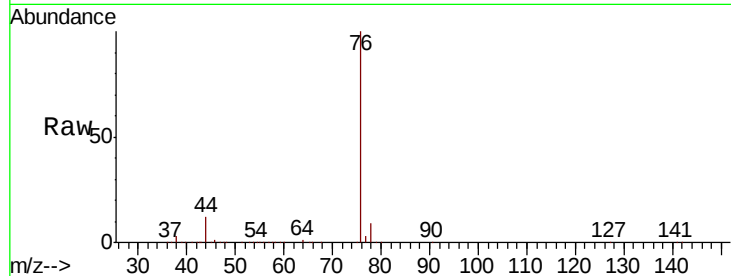
#17
Carbon Disulfide
Concen: 46.996 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

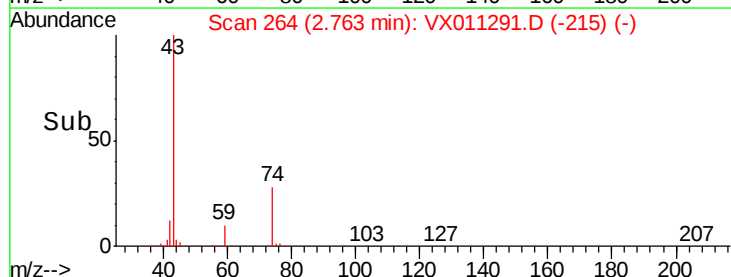
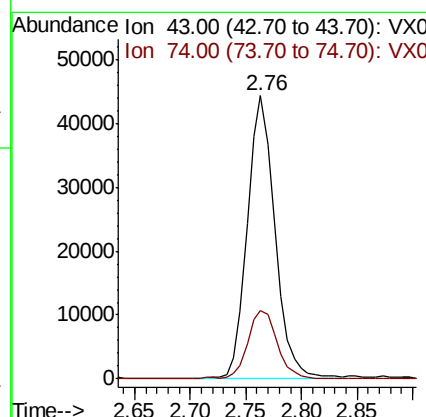
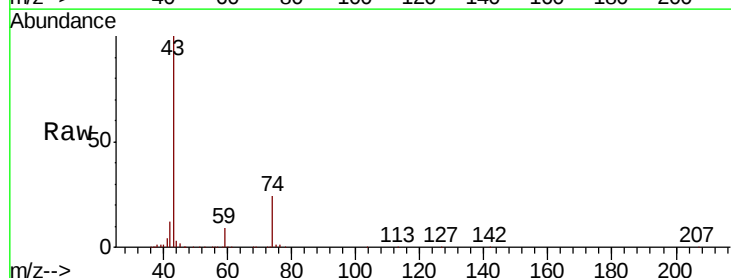
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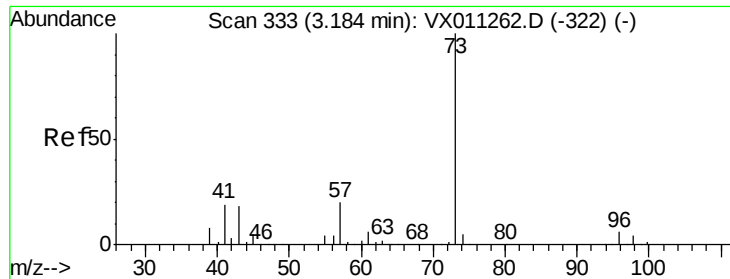
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#18
Methyl Acetate
Concen: 42.364 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.0	31.6





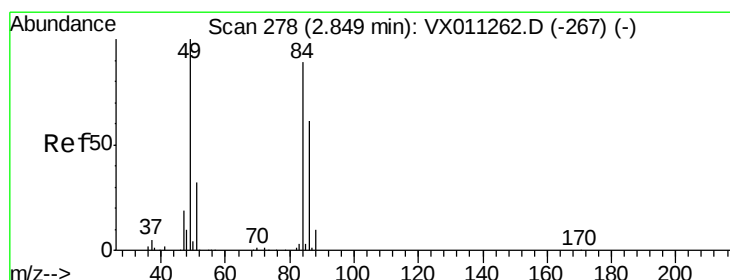
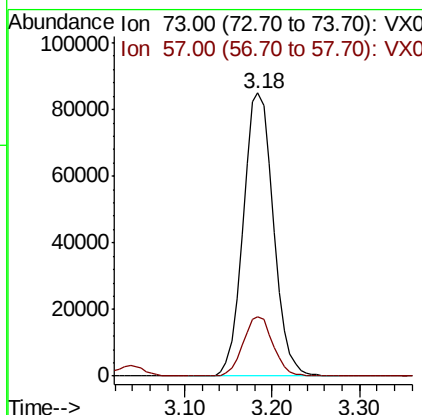
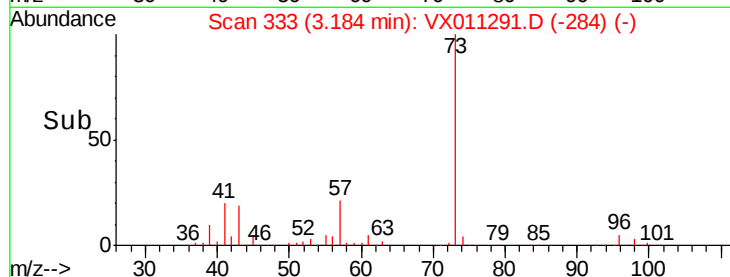
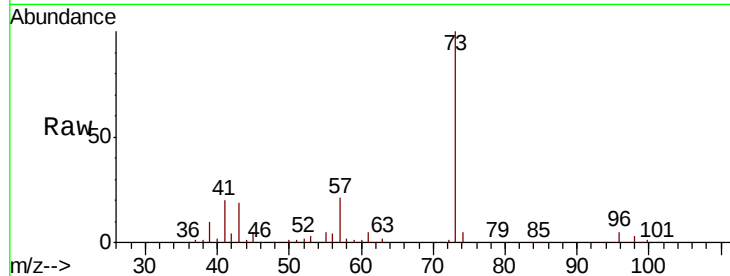
#19
Methvl tert-butvl Ether
Concen: 46.314 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 203360
Ion Ratio Lower Upper
73 100
57 20.8 16.2 24.2

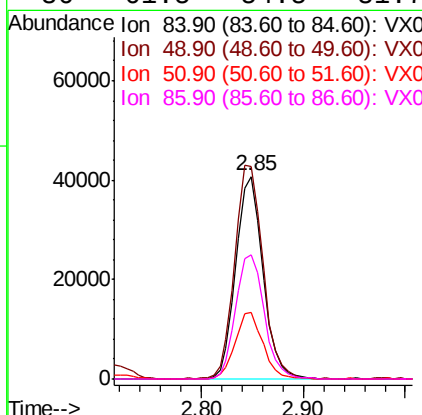
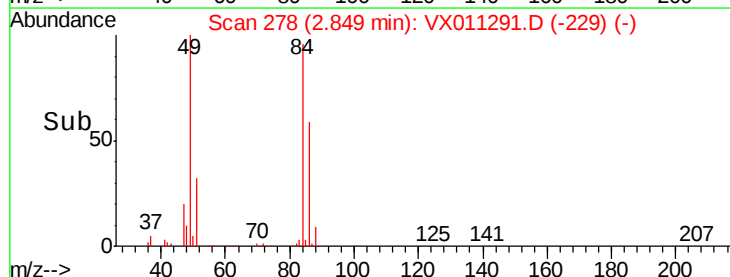
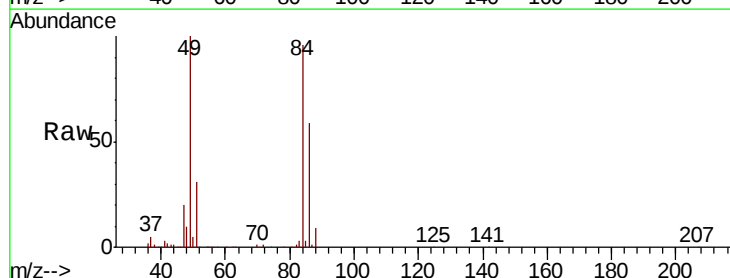
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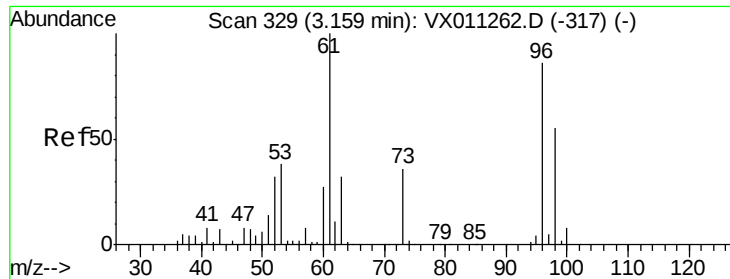
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#20
Methylene Chloride
Concen: 43.803 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion: 84 Resp: 75304
Ion Ratio Lower Upper
84 100
49 104.4 89.3 133.9
51 32.7 28.3 42.5
86 61.5 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 45.923 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

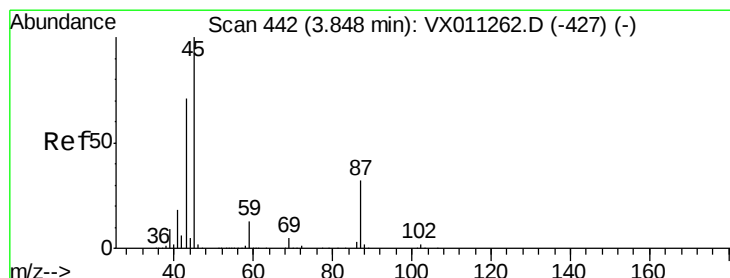
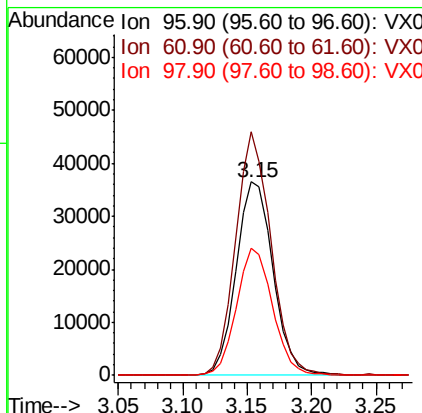
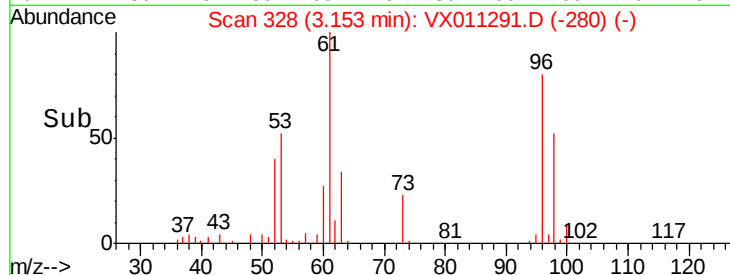
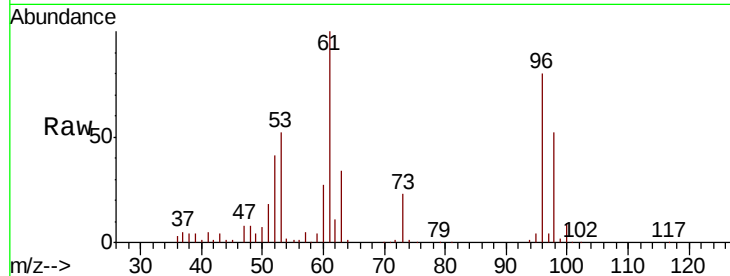
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	72381
Ion	Ratio	Lower	Upper
96	100		
61	125.8	92.8	139.2
98	65.7	51.2	76.8

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#22

Diisopropyl ether

Concen: 45.645 ug/l

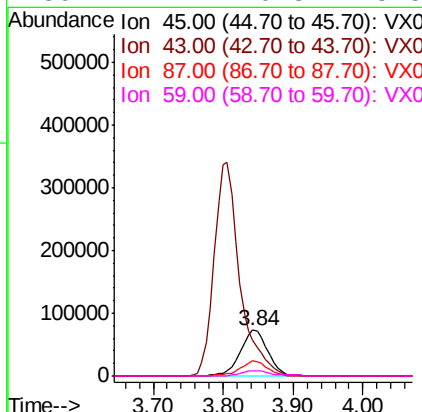
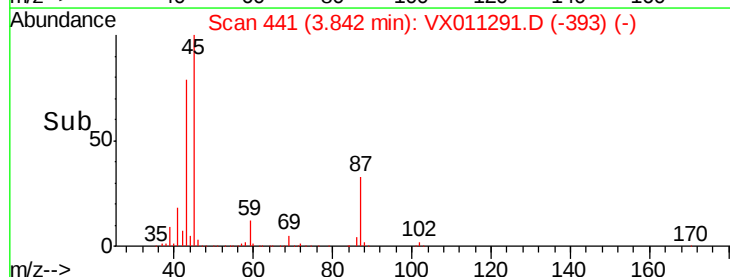
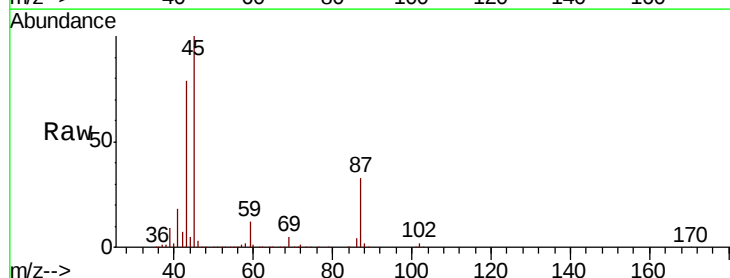
RT: 3.84 min Scan# 441

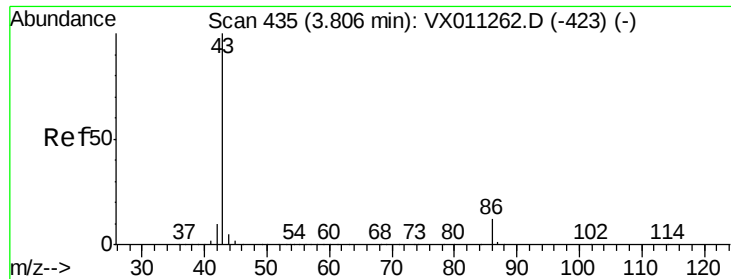
Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Tgt Ion:	45	Resp:	199269
Ion	Ratio	Lower	Upper
45	100		
43	78.7	56.8	85.2
87	33.3	25.8	38.6
59	12.4	10.3	15.5





#23

Vinyl Acetate

Concen: 240.153 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 869569

Ion Ratio Lower Upper

43 100

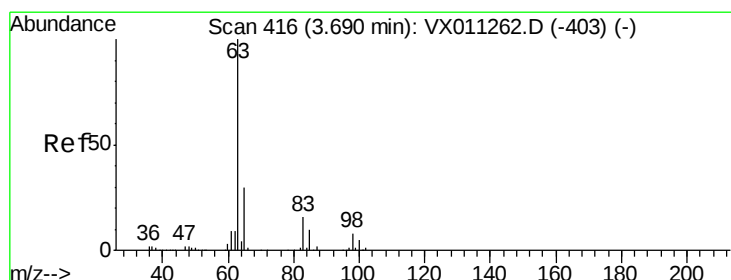
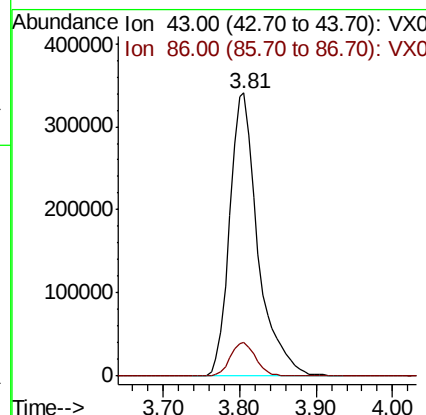
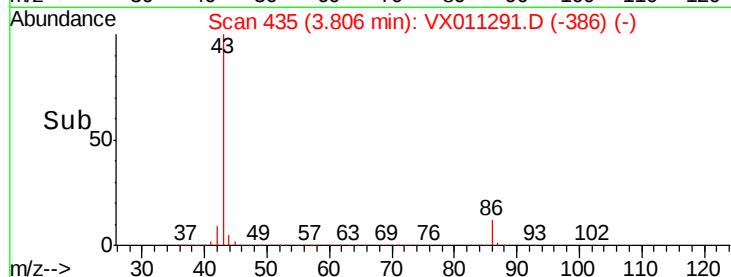
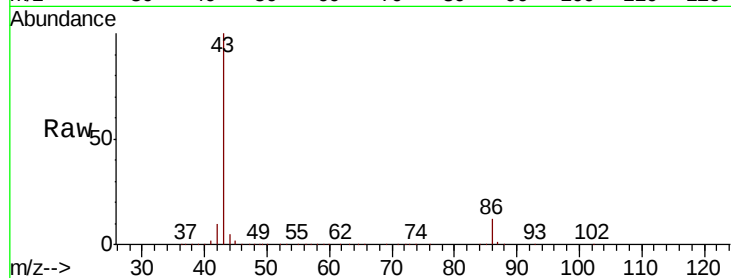
86 12.2 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 45.090 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

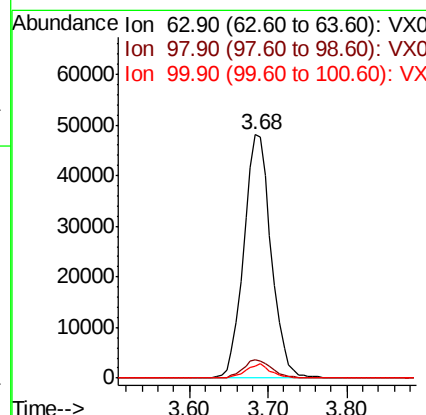
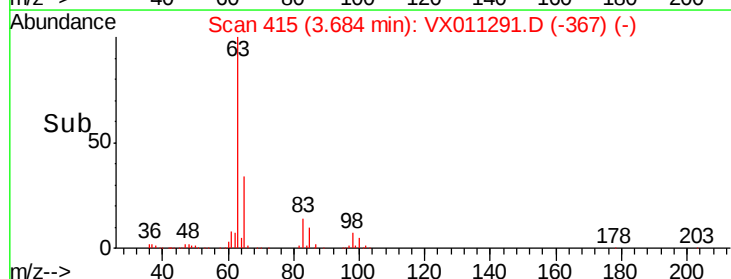
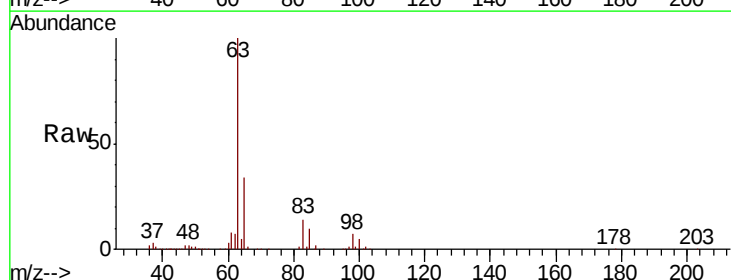
Tgt Ion: 63 Resp: 116073

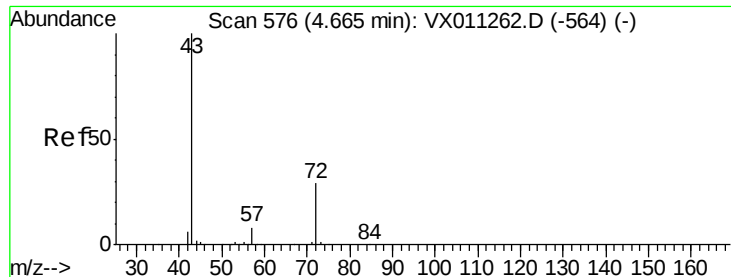
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 5.1 2.7 8.1





#25

2-Butanone

Concen: 235.704 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 263194

Ion Ratio Lower Upper

43 100

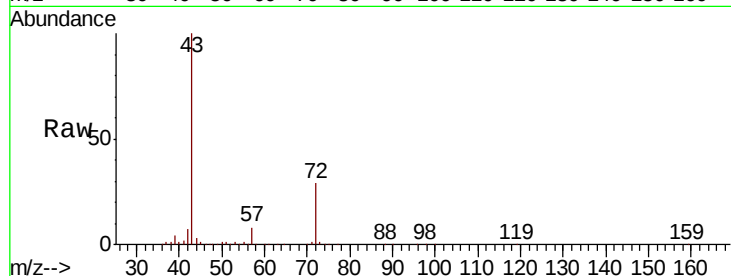
72 29.3 23.2 34.8

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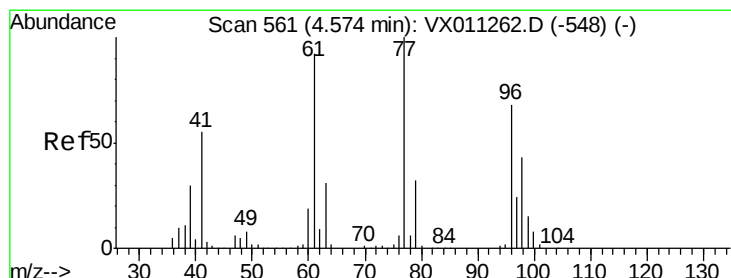
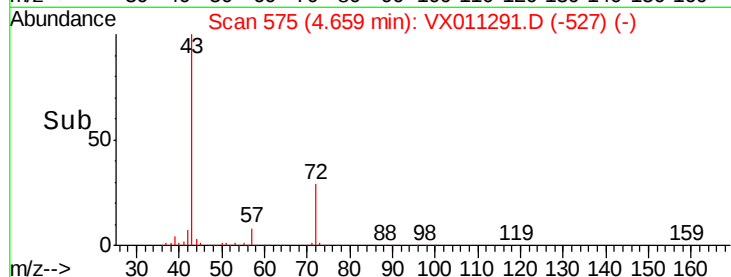
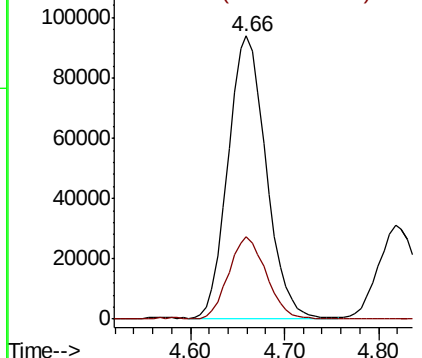
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 47.454 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011291.D

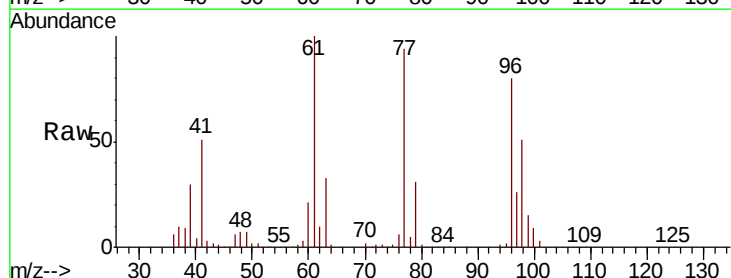
Acq: 02 Aug 2019 09:37

Tgt Ion: 77 Resp: 94961

Ion Ratio Lower Upper

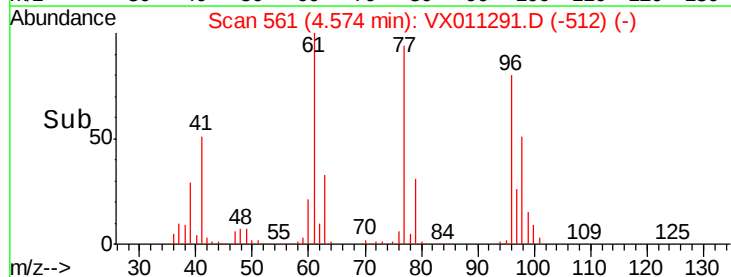
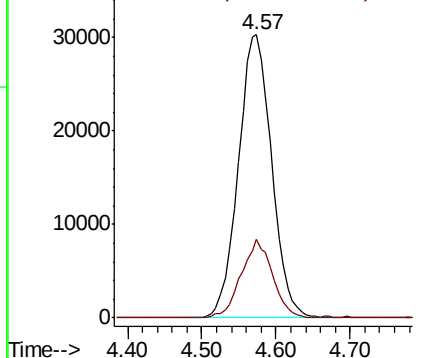
77 100

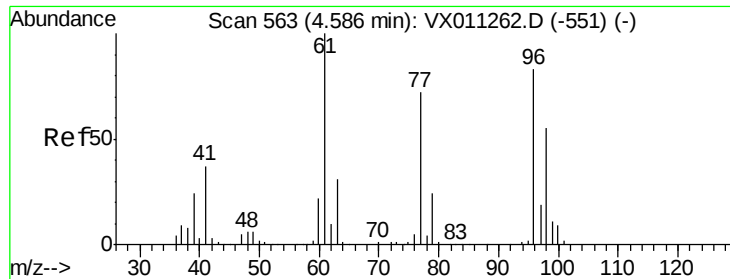
97 26.1 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

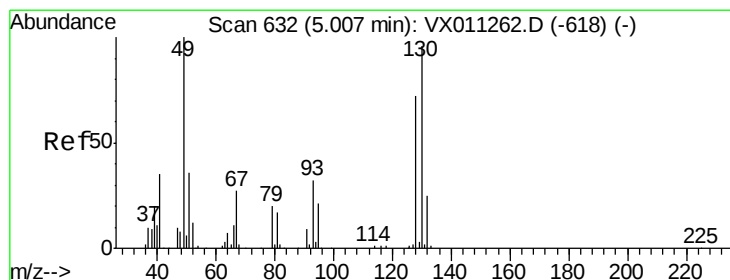
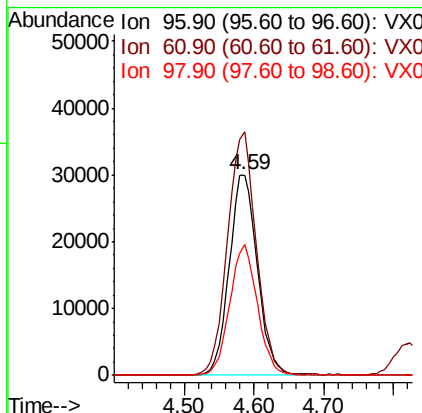
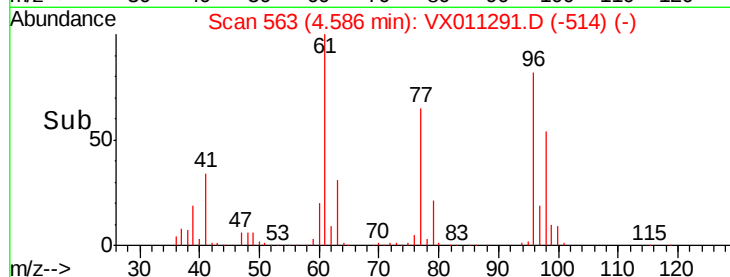
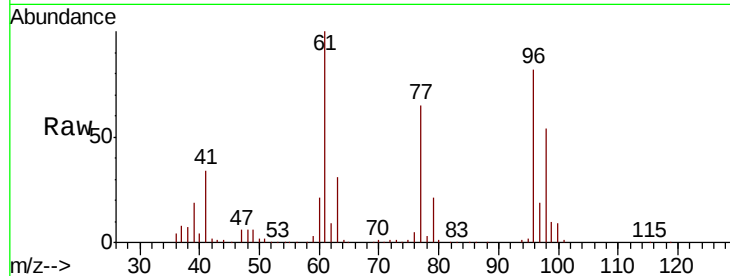
cis-1,2-Dichloroethene
Concen: 46.308 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.0	0.0	260.2
98	64.1	0.0	133.2

Manual Integrations
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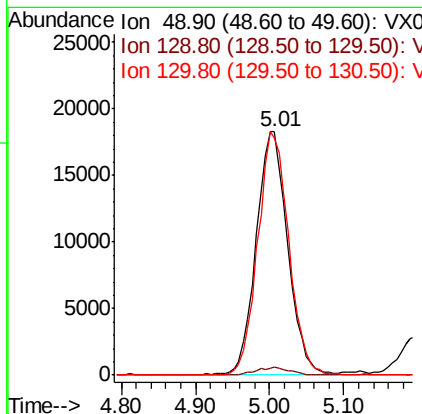
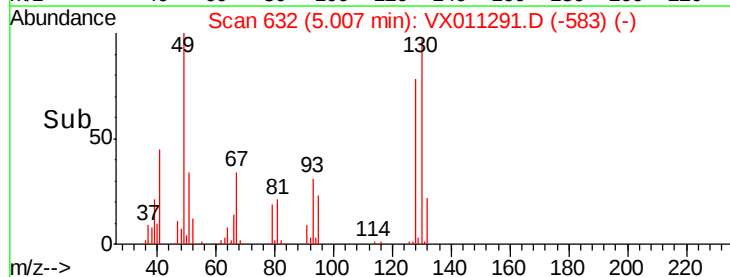
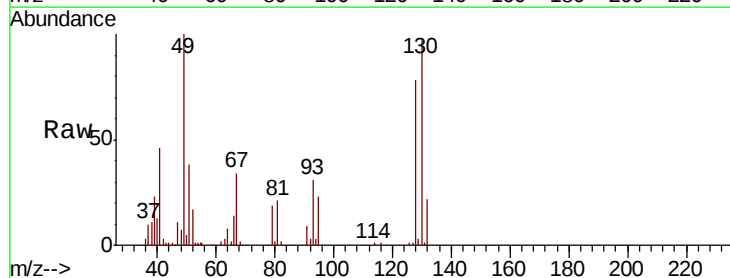
MMDadoda
8/6/2019 12:11:36 PM

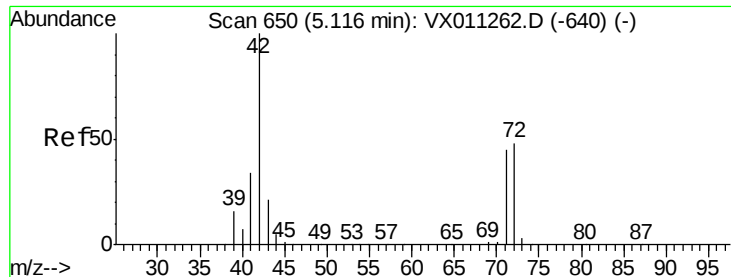


#28

Bromochloromethane
Concen: 46.339 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.8
130	98.0	77.9	116.9





#29

Tetrahydrofuran

Concen: 216.213 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

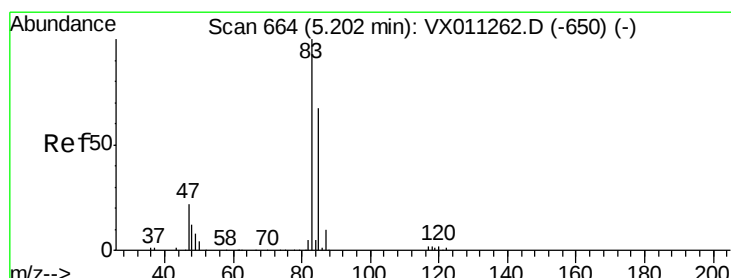
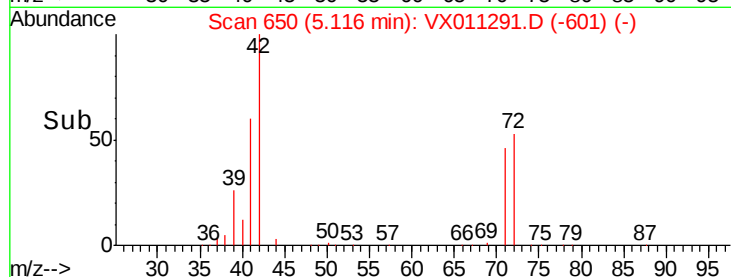
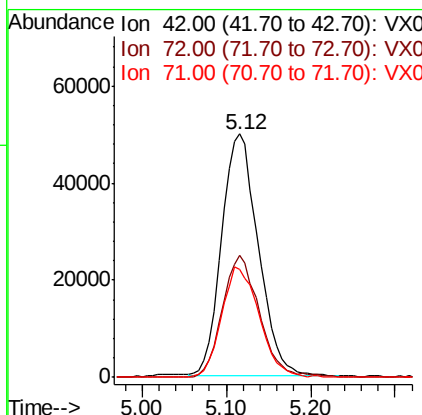
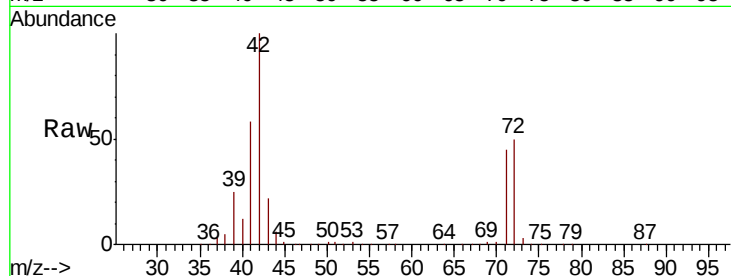
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	148033
Ion	Ratio	Lower	Upper
42	100		
72	51.0	39.9	59.9
71	46.9	36.9	55.3

Manual Integrations
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8/6/2019 12:11:36 PM



#30

Chloroform

Concen: 45.197 ug/l

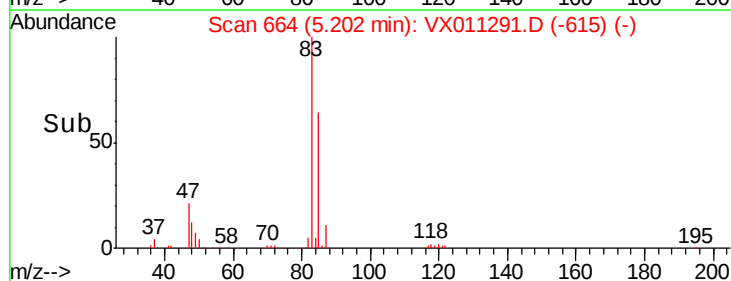
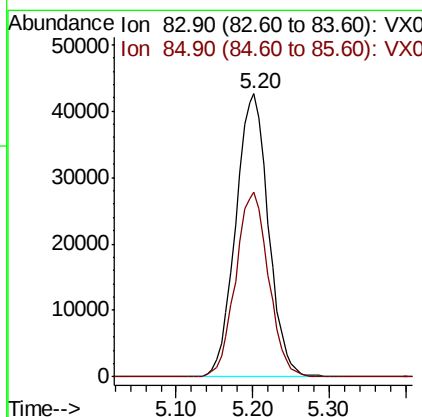
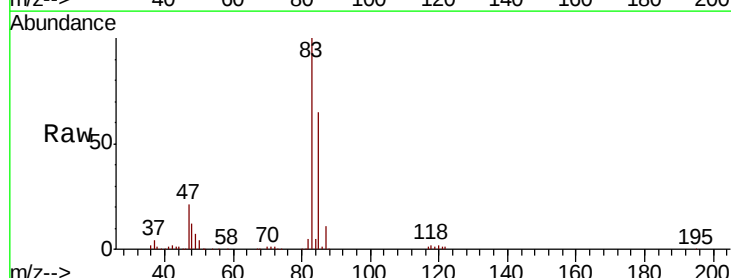
RT: 5.20 min Scan# 664

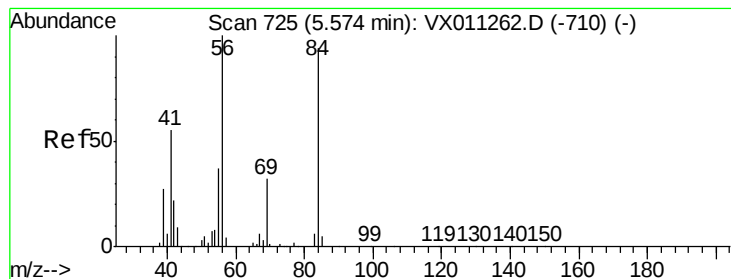
Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Tgt Ion:	83	Resp:	126453
Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.4	80.0





#31

Cyclohexane

Concen: 47.051 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

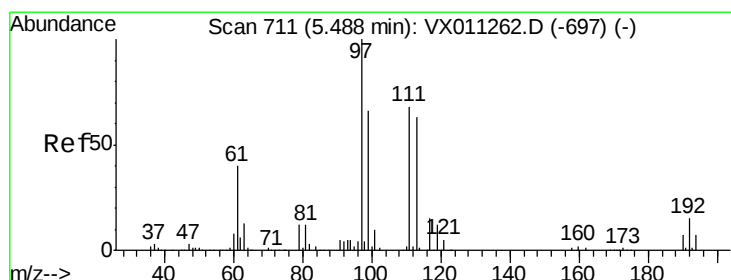
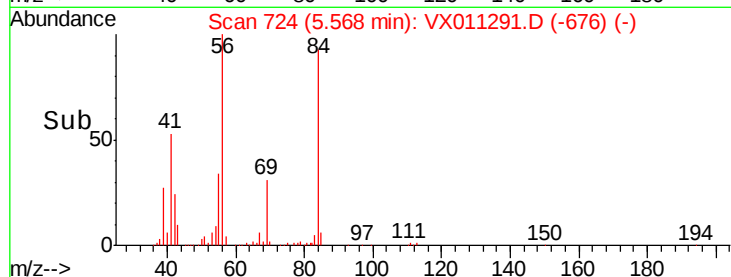
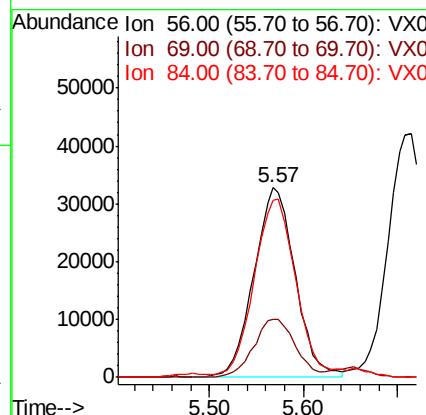
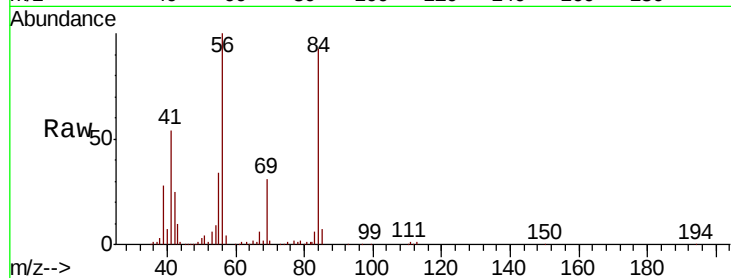
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	99928
Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.5	38.3
84	91.4	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.707 ug/l

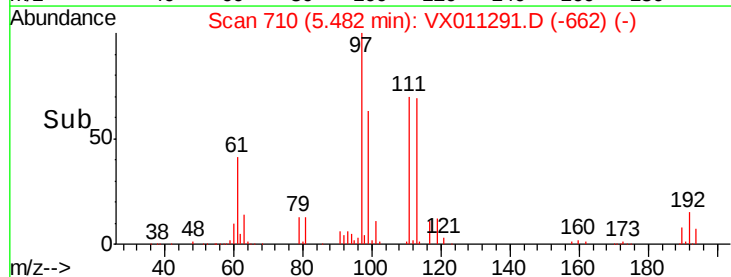
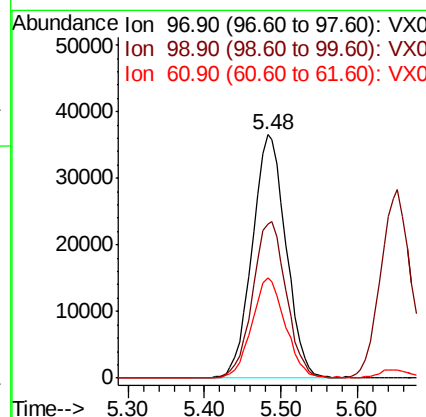
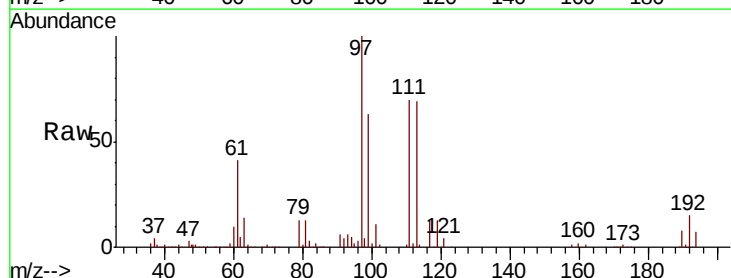
RT: 5.48 min Scan# 710

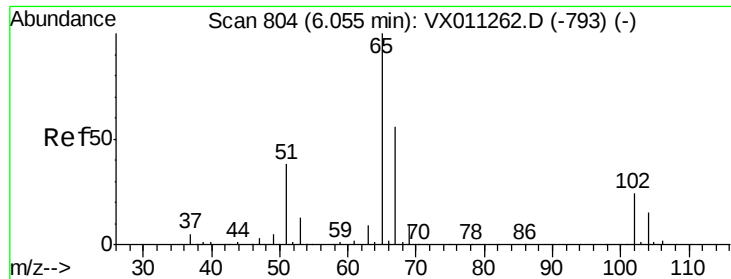
Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Tgt Ion:	97	Resp:	111946
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	40.3	32.3	48.5





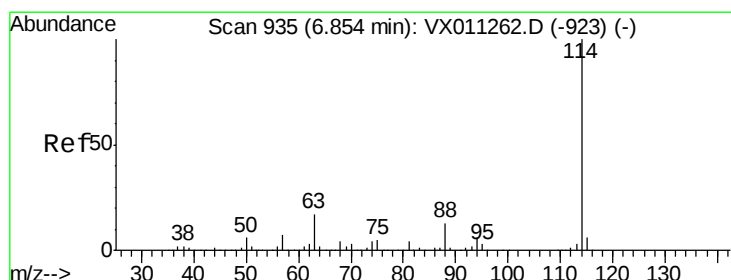
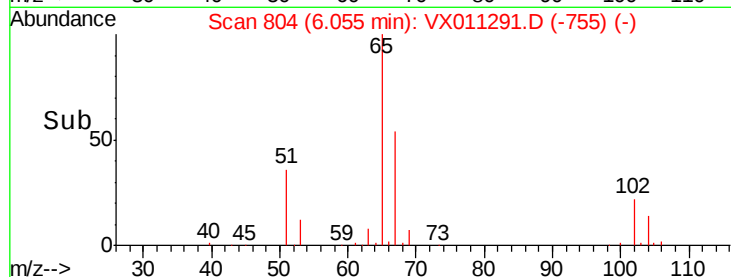
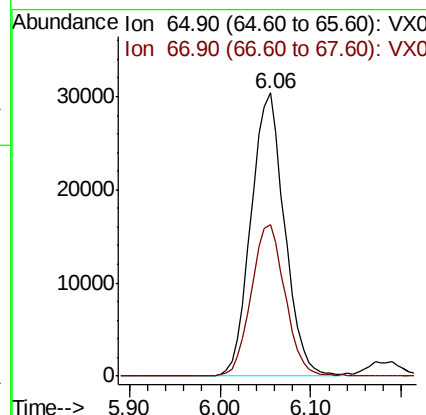
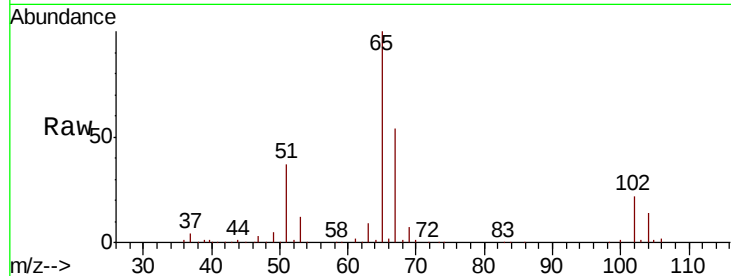
#33
 1,2-Dichloroethane-d4
 Concen: 47.297 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 78002
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.6

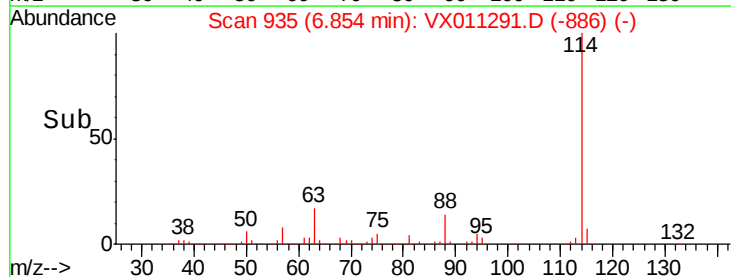
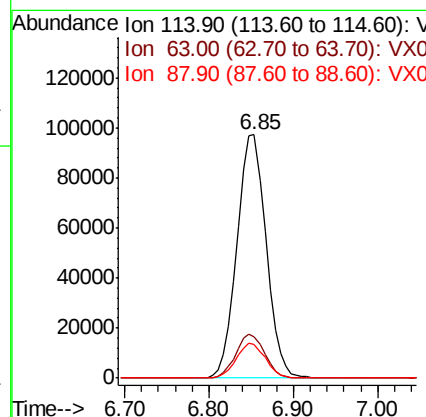
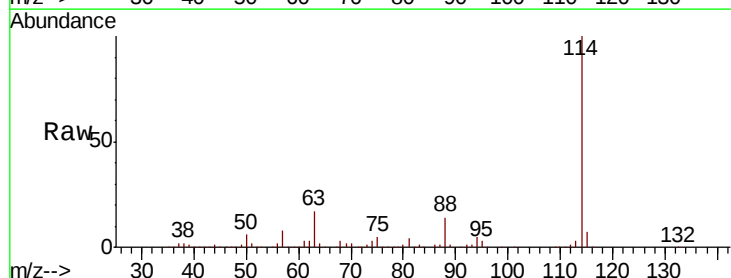
Manual Integrations
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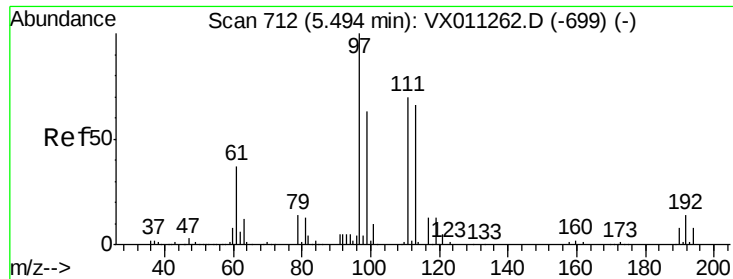
MMDadoda
 8/6/2019 12:11:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 114 Resp: 228408
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 34.0
 88 13.8 0.0 26.4





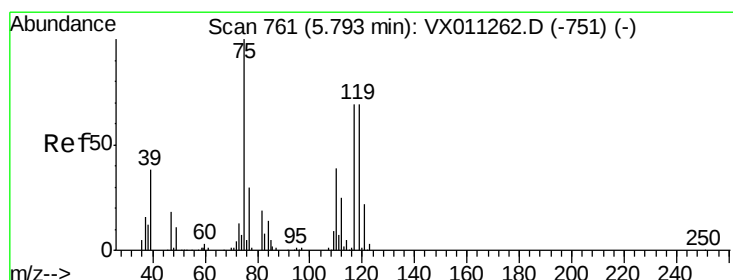
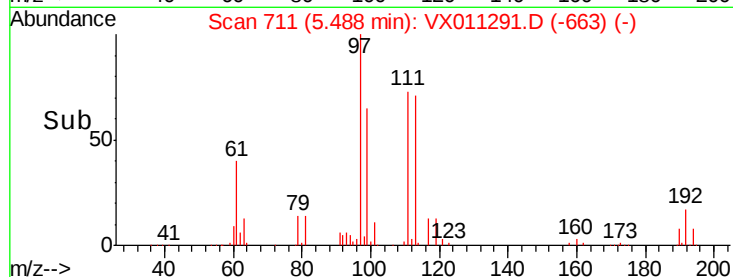
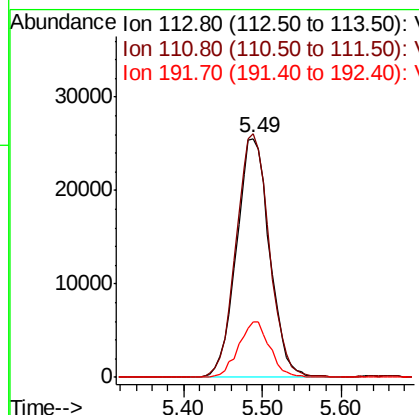
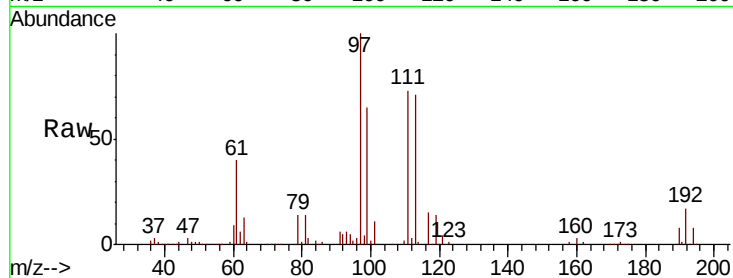
#35
 Dibromofluoromethane
 Concen: 50.080 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	74680		
111	102.0	81.9	122.9	
192	22.1	17.8	26.8	

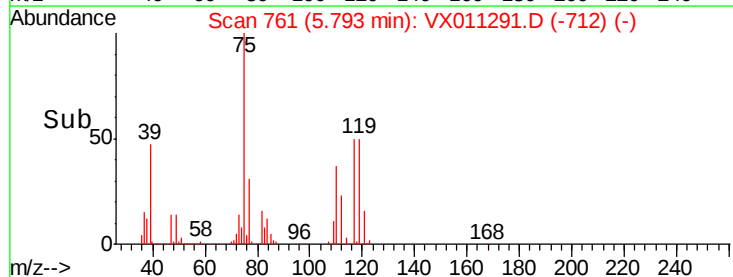
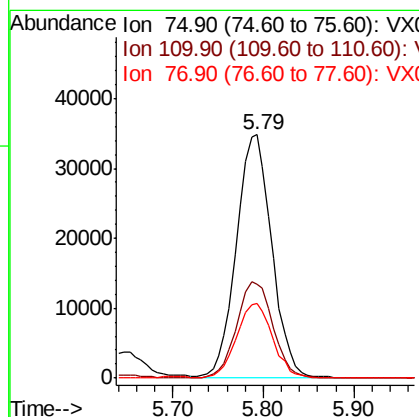
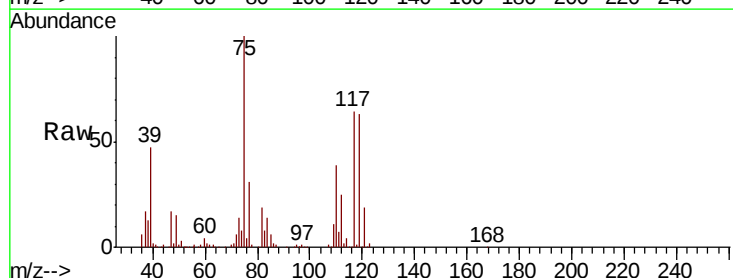
Manual Integrations
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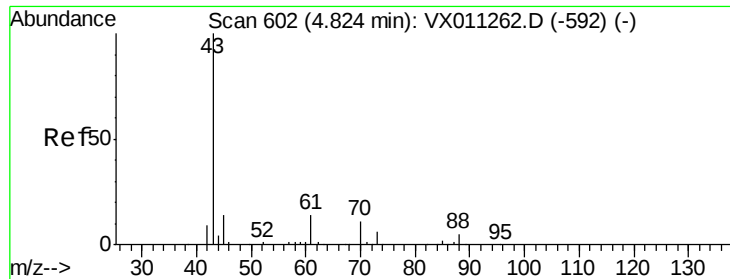
MMDadoda
 8/6/2019 12:11:36 PM



#36
 1,1-Dichloropropene
 Concen: 47.061 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93849		
110	40.7	20.0	59.9	
77	31.4	24.8	37.2	





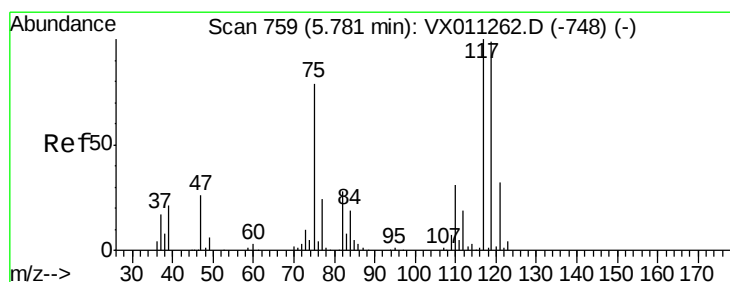
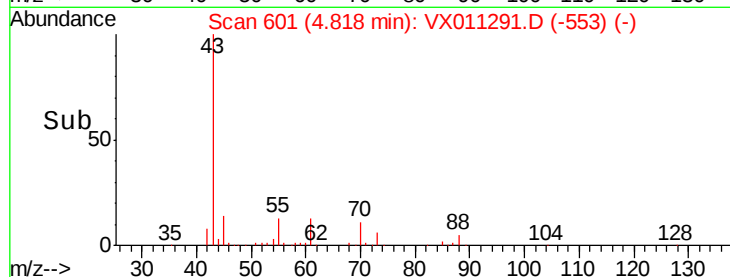
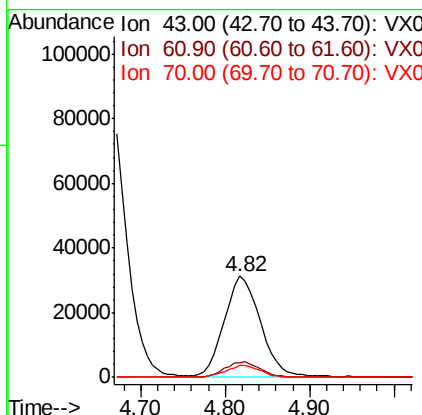
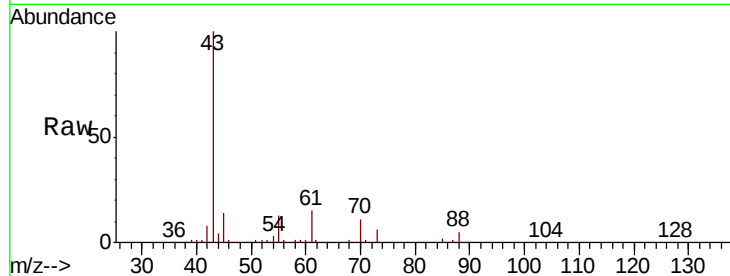
#37
Ethyl Acetate
Concen: 45.185 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	90385
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.6	18.8
70	11.6	9.1	13.7

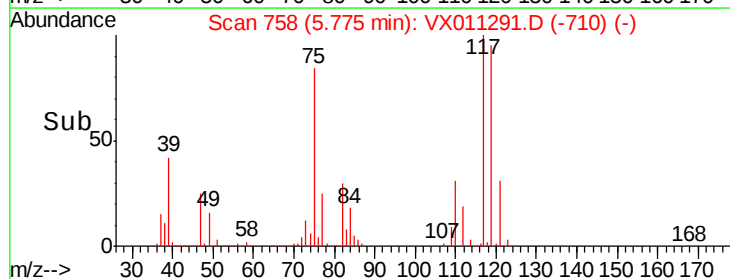
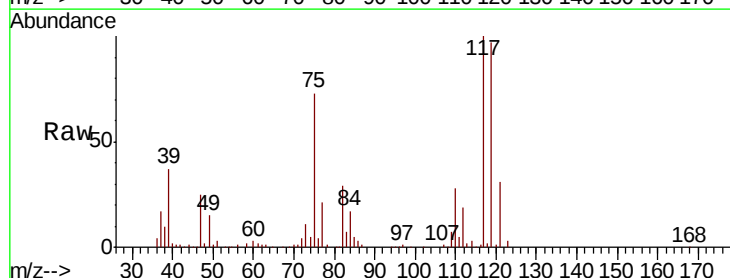
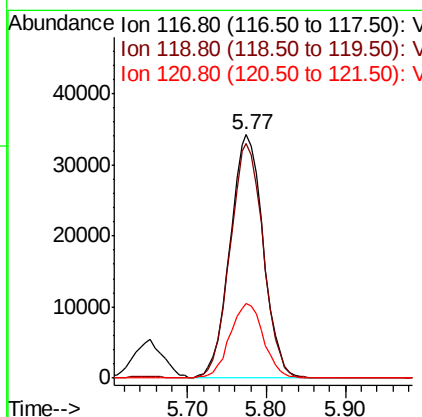
Manual Integrations
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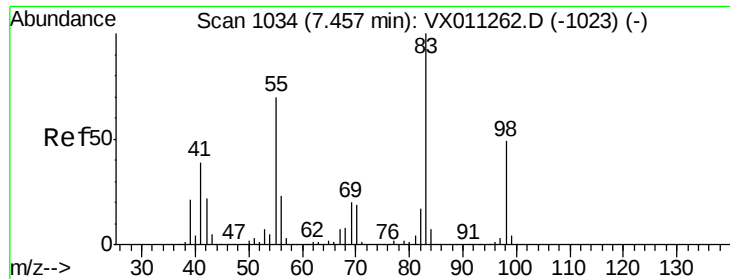
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.945 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion:	117	Resp:	100206
Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.0	118.4
121	30.5	25.9	38.9





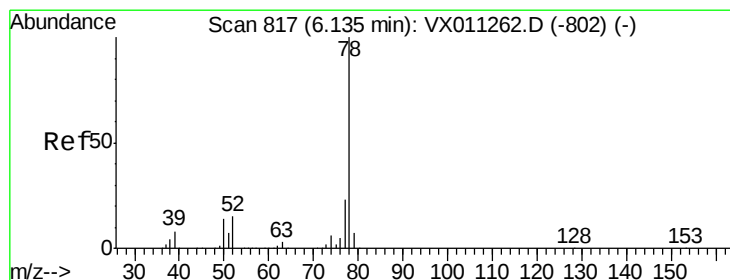
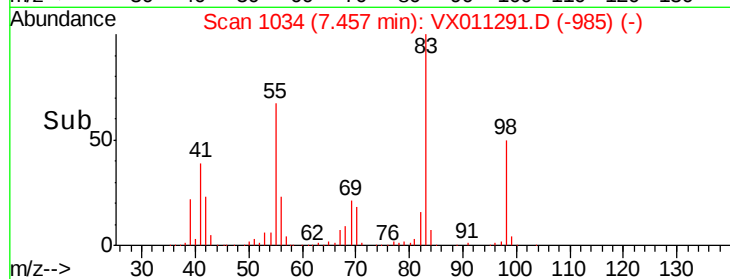
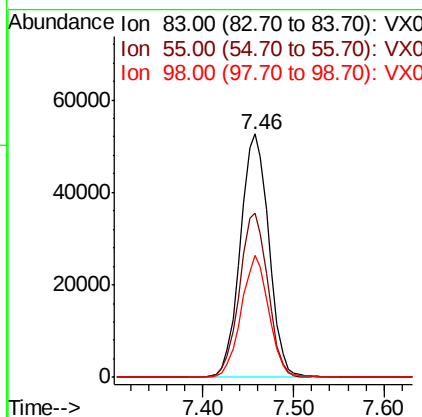
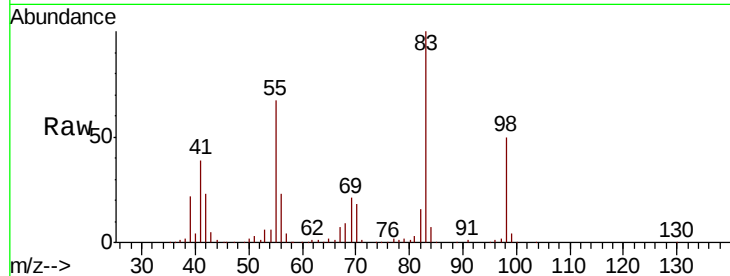
#39
Methvlcvclohexane
Concen: 48.431 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.3	56.1	84.1
98	50.1	39.0	58.4

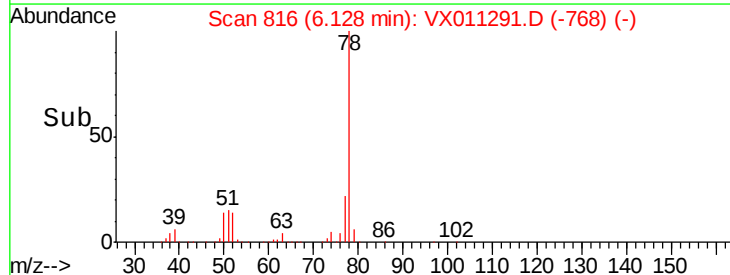
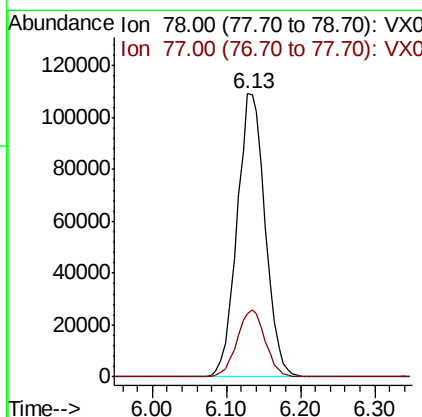
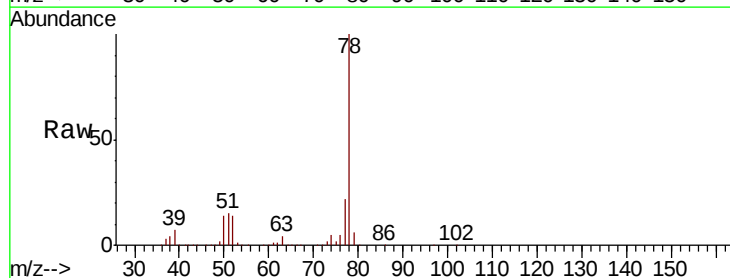
Manual Integrations
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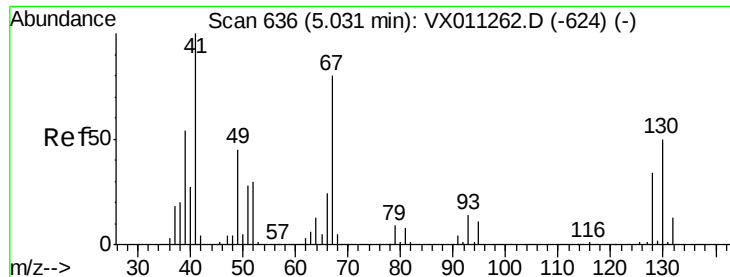
MMDadoda
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#40
Benzene
Concen: 48.595 ug/l
RT: 6.13 min Scan# 816
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.2	27.2





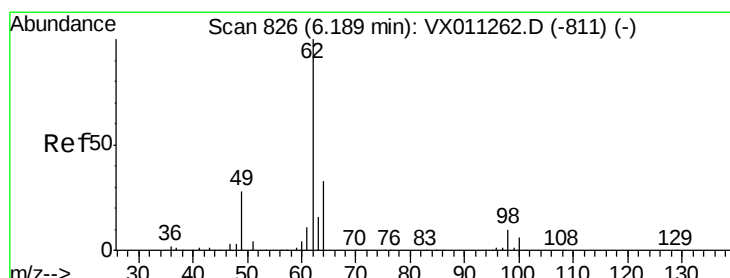
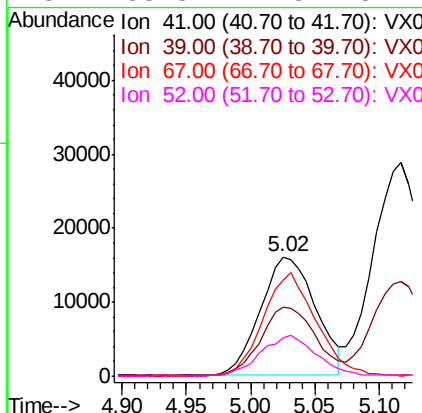
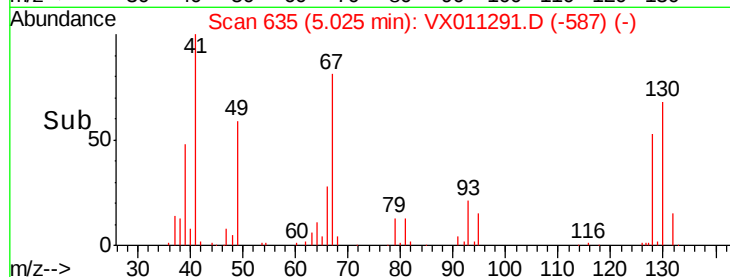
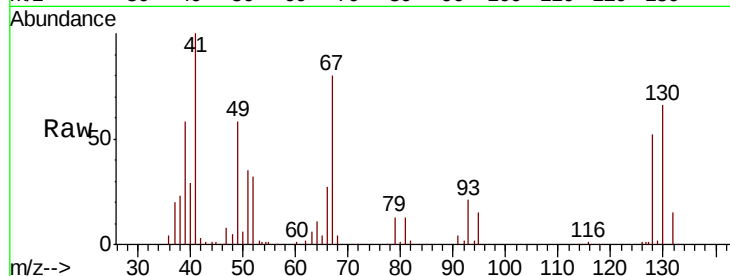
#41
Methacrylonitrile
Concen: 43.812 ug/l
RT: 5.02 min Scan# 635
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	47862
Ion	Ratio	Lower	Upper
41	100		
39	57.8	43.0	64.6
67	84.0	65.1	97.7
52	33.8	24.8	37.2

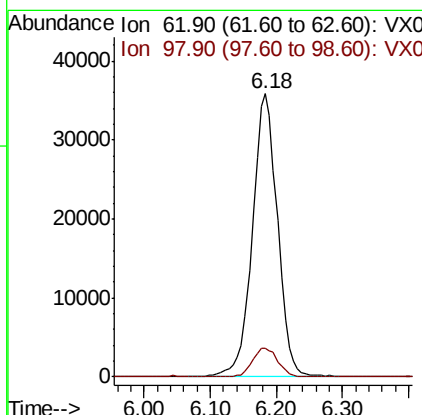
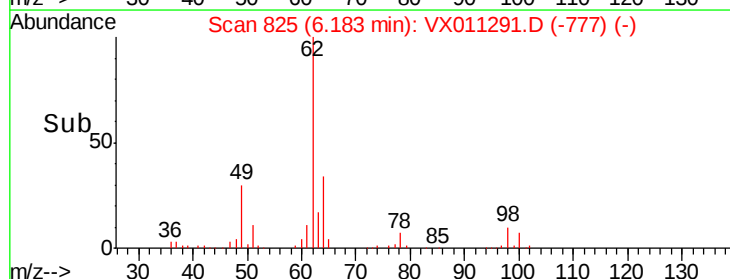
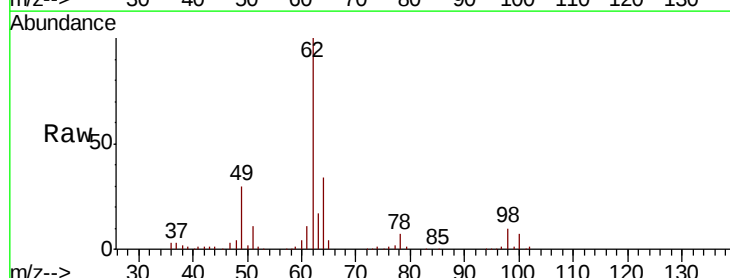
Manual Integrations
APPROVED

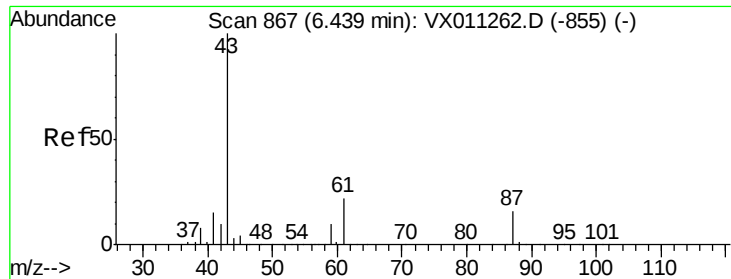
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.141 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion:	62	Resp:	94861
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 46.076 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

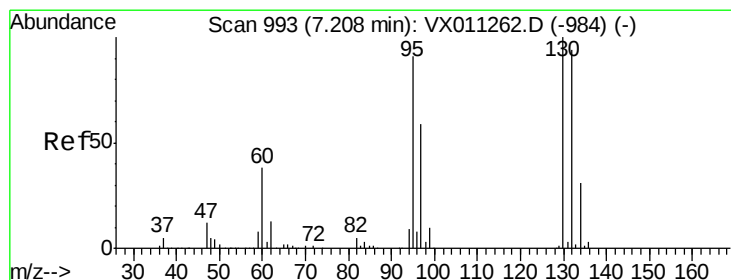
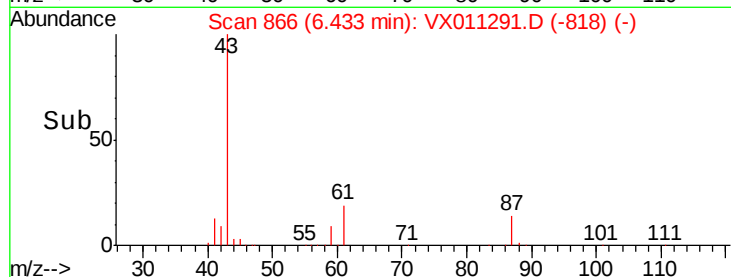
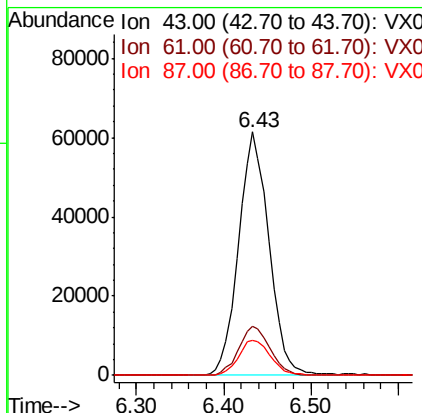
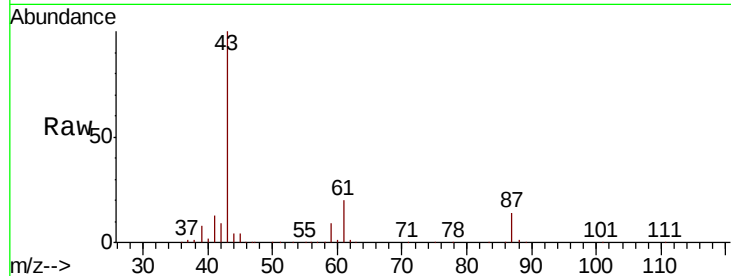
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	147355
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.5	24.7
87	15.2	12.1	18.1

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#44

Trichloroethene

Concen: 47.769 ug/l

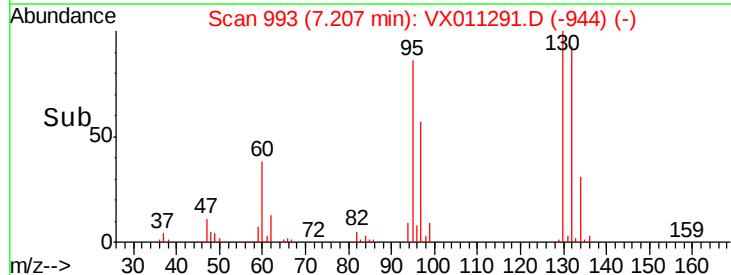
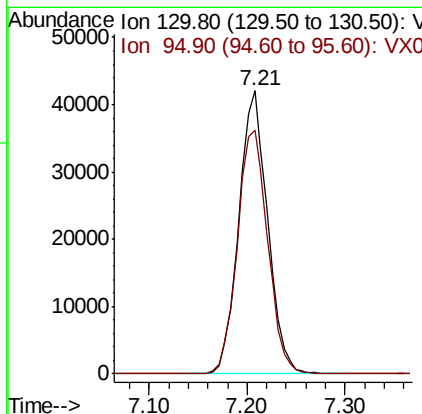
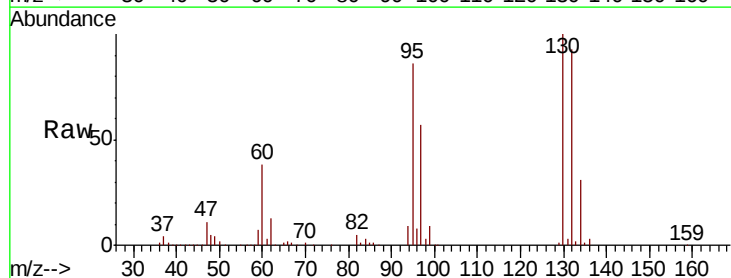
RT: 7.21 min Scan# 993

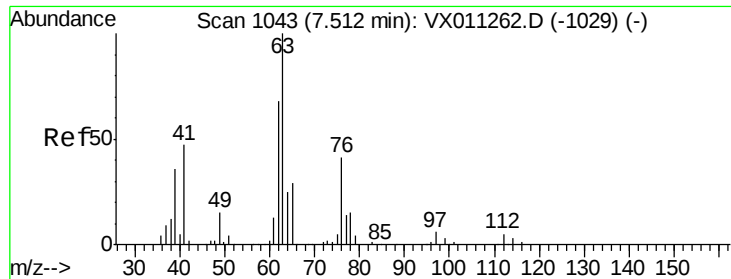
Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Tgt Ion:	130	Resp:	86044
Ion	Ratio	Lower	Upper
130	100		
95	85.9	0.0	182.6





#45

1,2-Dichloropropane

Concen: 46.631 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 71867

Ion Ratio Lower Upper

63 100

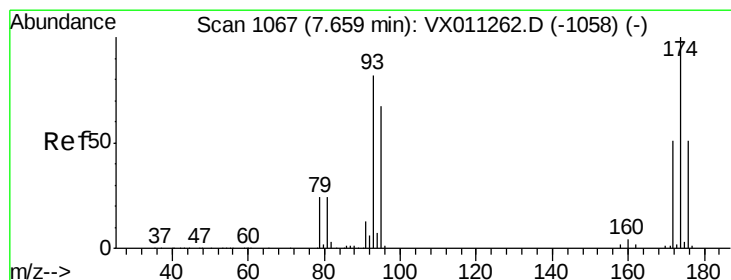
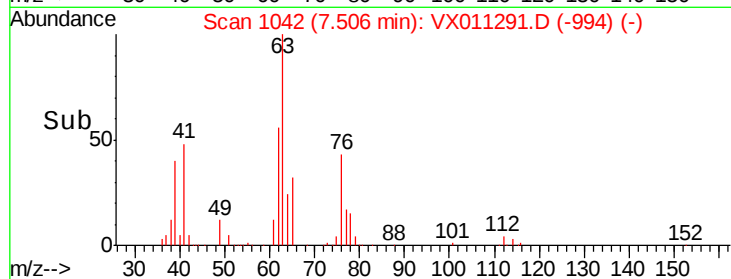
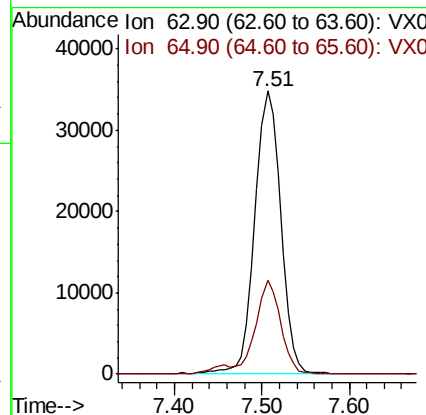
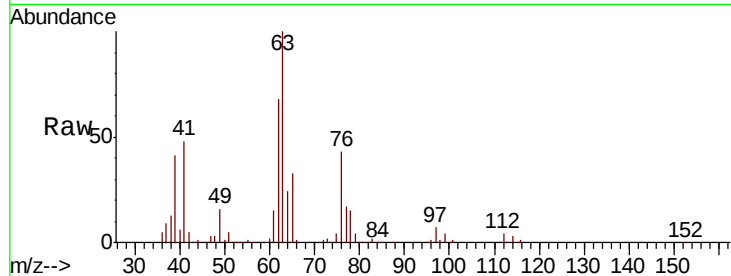
65 33.2 23.3 34.9

Manual Integrations

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#46

Dibromomethane

Concen: 46.986 ug/l

RT: 7.65 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

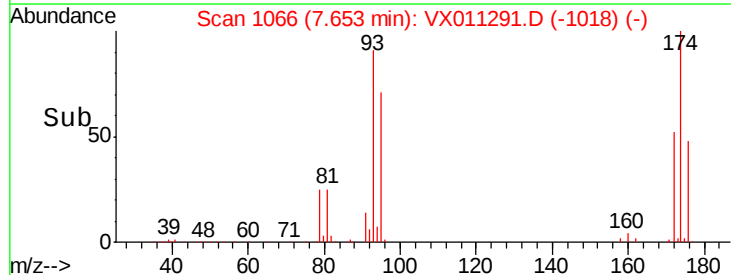
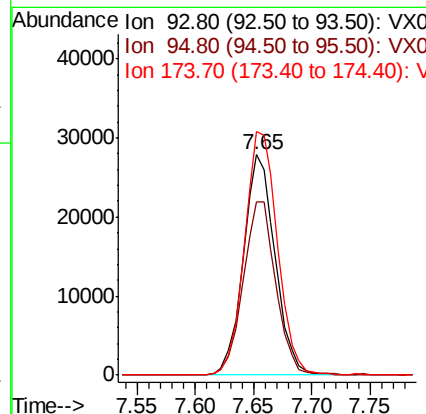
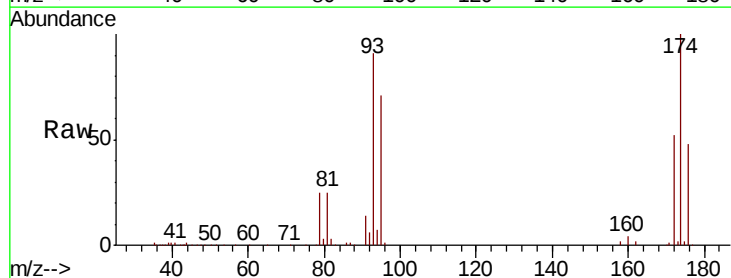
Tgt Ion: 93 Resp: 52863

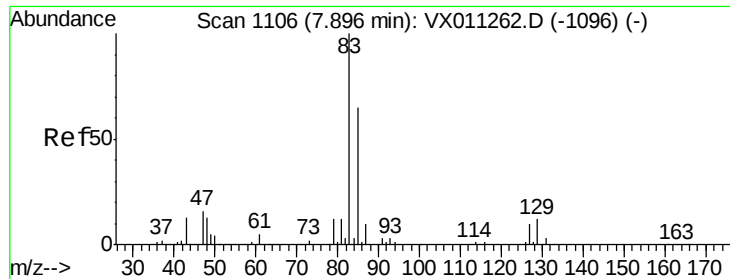
Ion Ratio Lower Upper

93 100

95 81.2 66.4 99.6

174 115.1 93.4 140.2





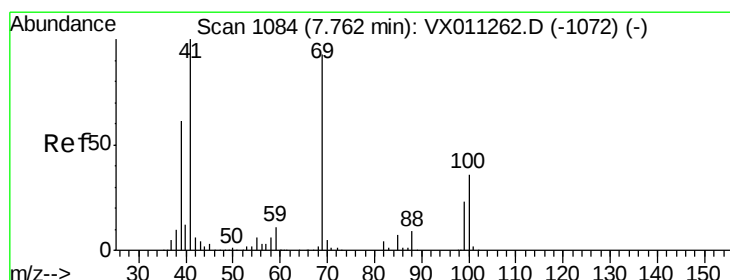
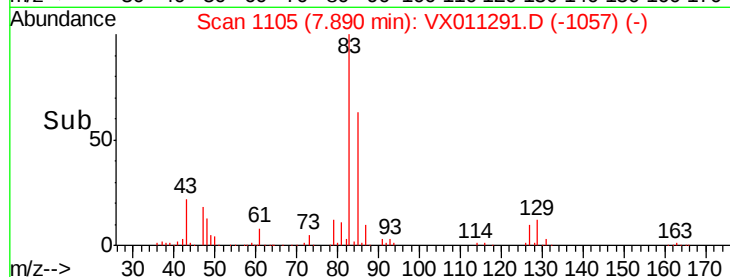
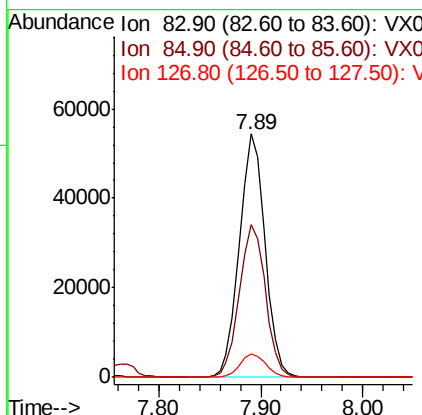
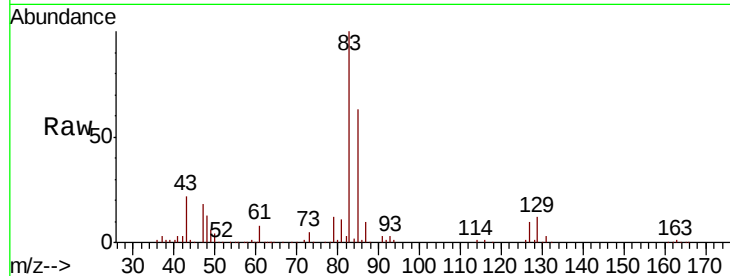
#47
 Bromodichloromethane
 Concen: 49.837 ug/l
 RT: 7.89 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.2
127	9.7	7.8	11.8

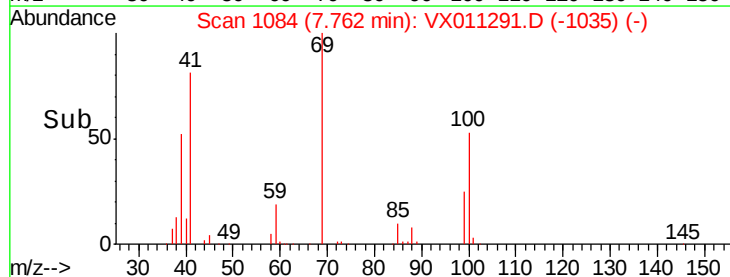
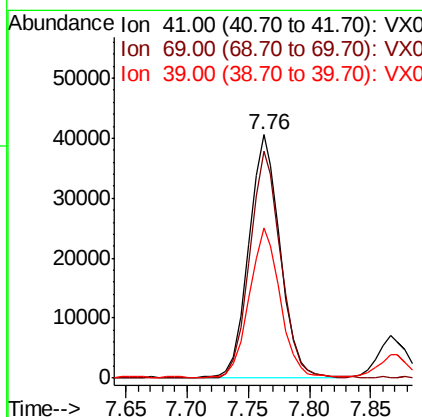
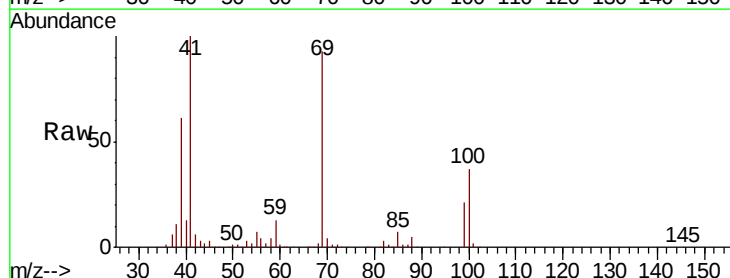
Manual Integrations
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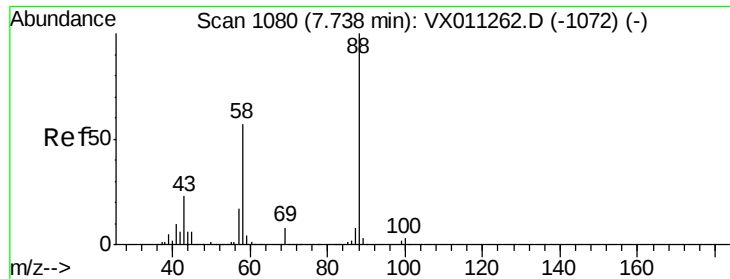
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#48
 Methyl methacrylate
 Concen: 47.875 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.3	74.5	111.7
39	60.3	48.6	72.8





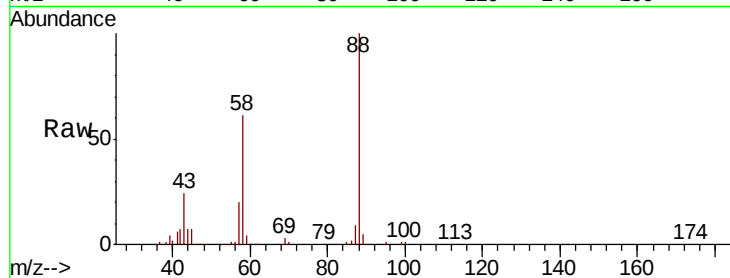
#49
1,4-Dioxane
Concen: 901.149 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	22.2	33.2
58	64.1	47.8	71.8

Manual Integrations
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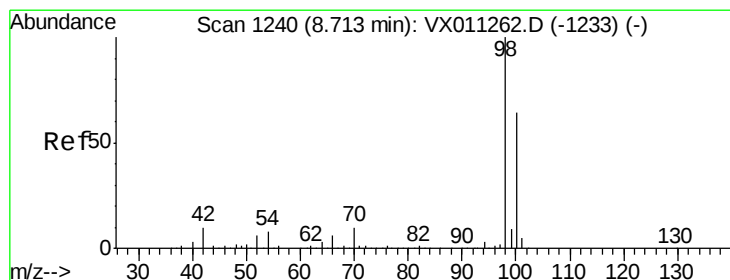
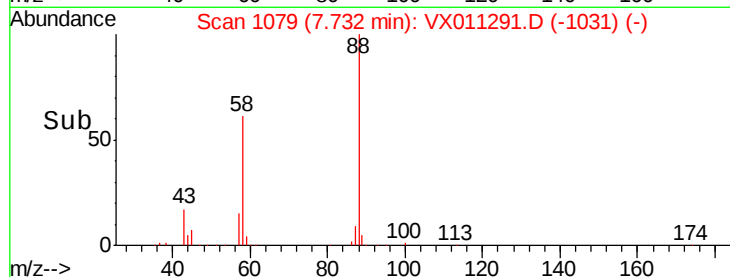
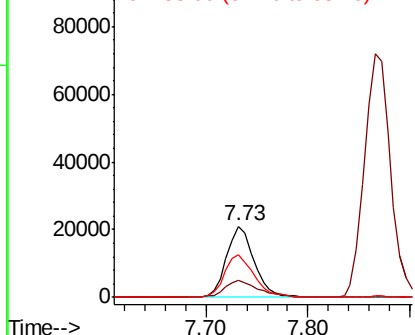


Abundance

Ion 88.00 (87.70 to 88.70): VX0

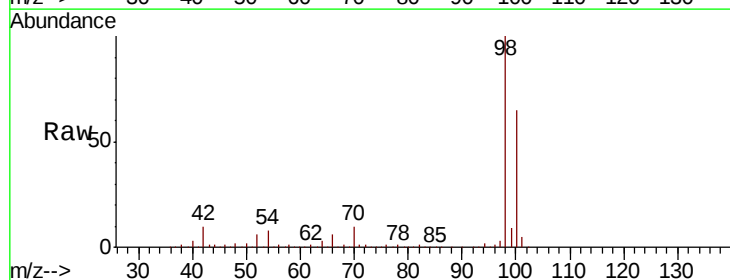
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.056 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

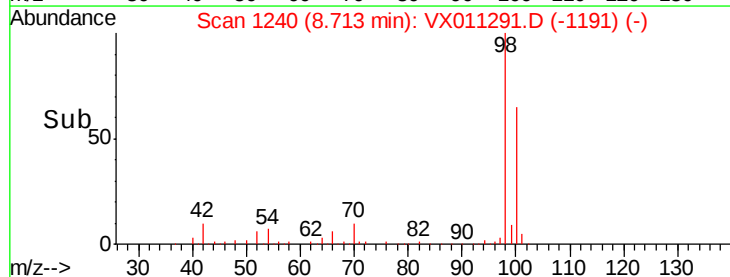
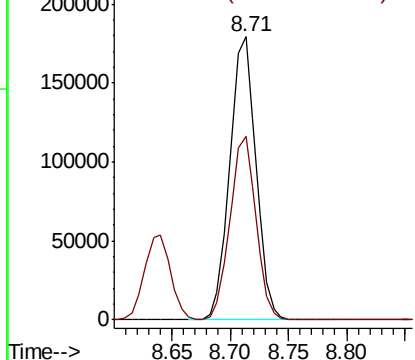
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5

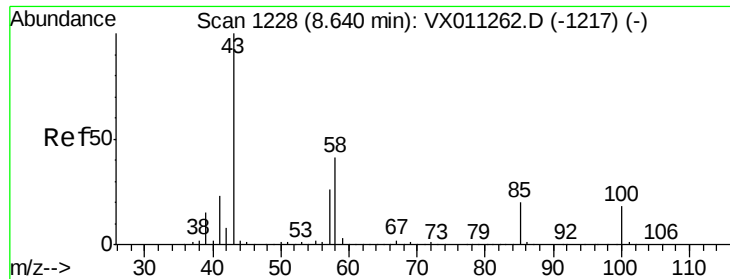


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 239.448 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 494203

Ion Ratio Lower Upper

43 100

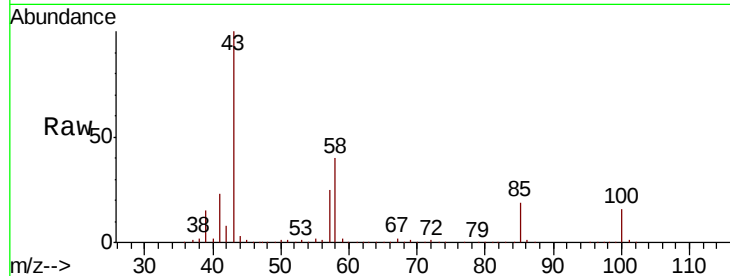
58 40.6 32.3 48.5

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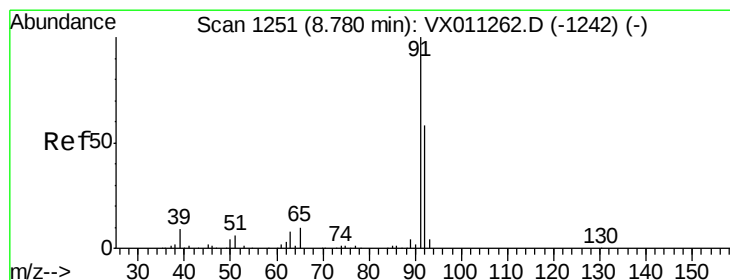
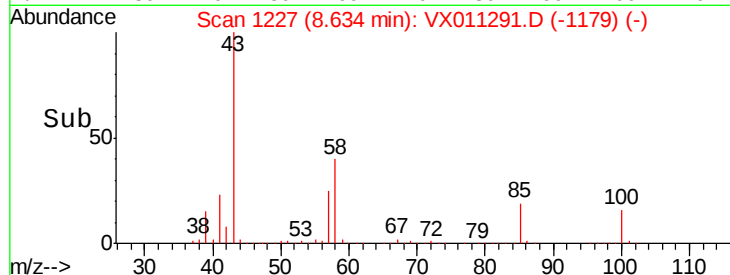
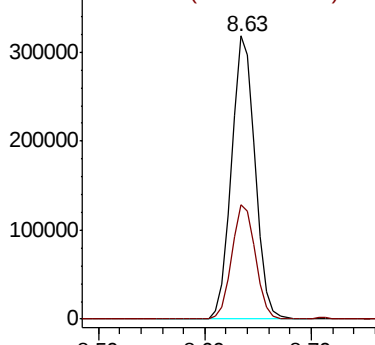
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.425 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011291.D

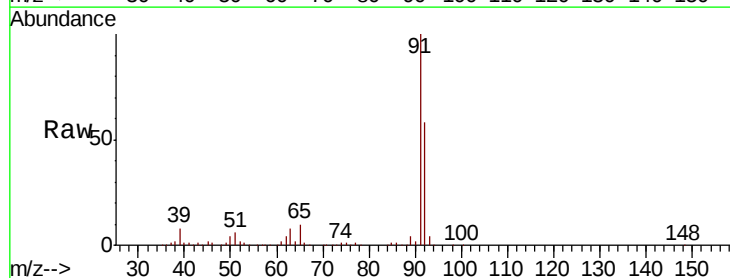
Acq: 02 Aug 2019 09:37

Tgt Ion: 92 Resp: 190530

Ion Ratio Lower Upper

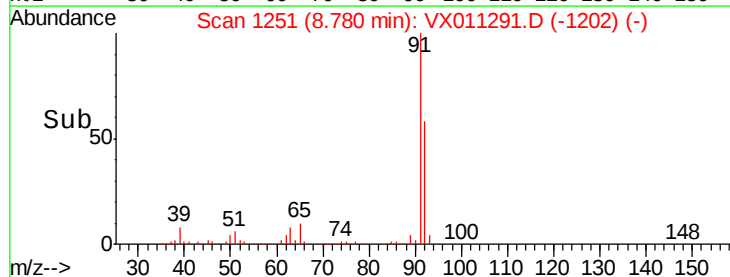
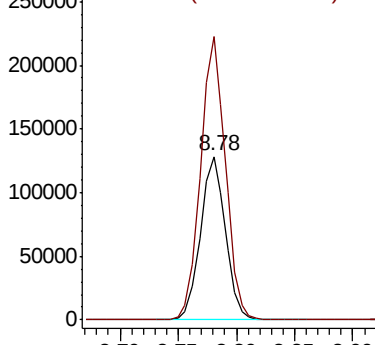
92 100

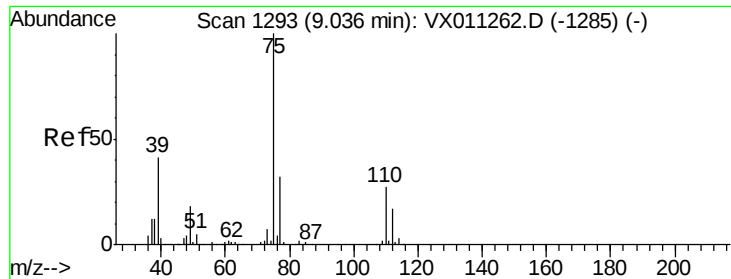
91 173.5 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





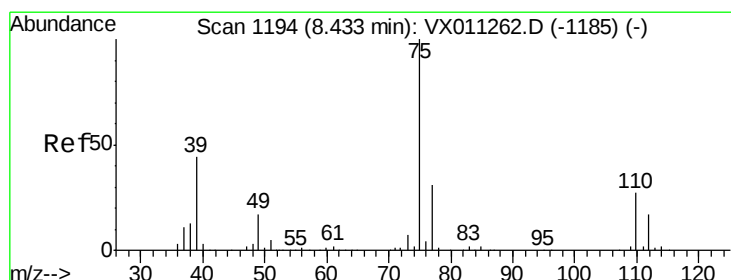
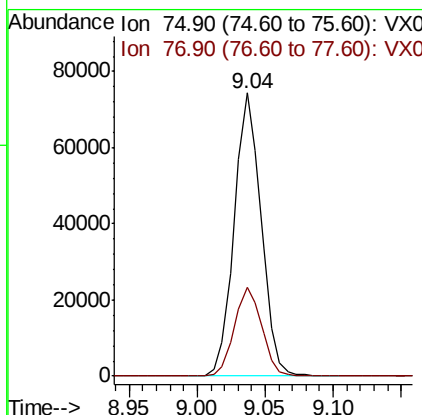
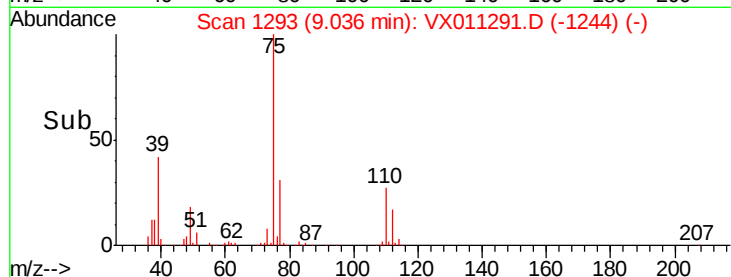
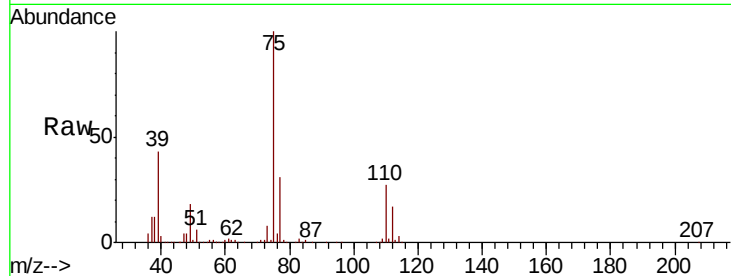
#53
 t-1,3-Dichloropropene
 Concen: 46.507 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 102703
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.0

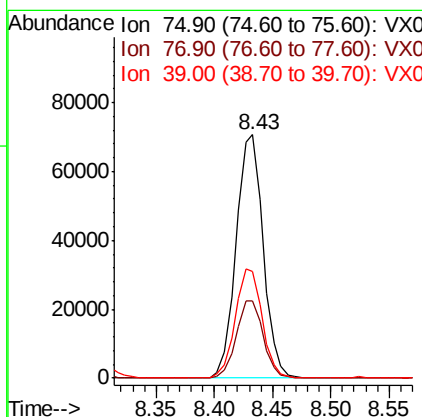
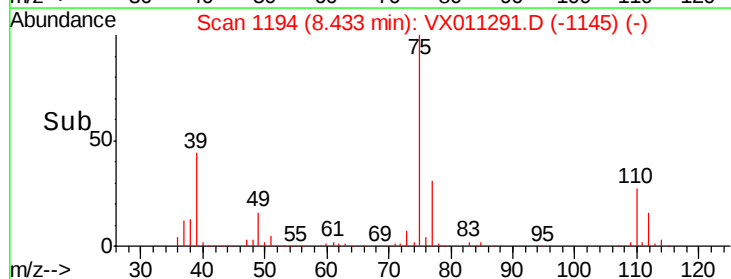
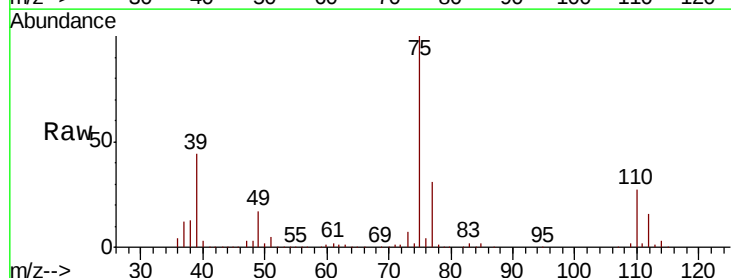
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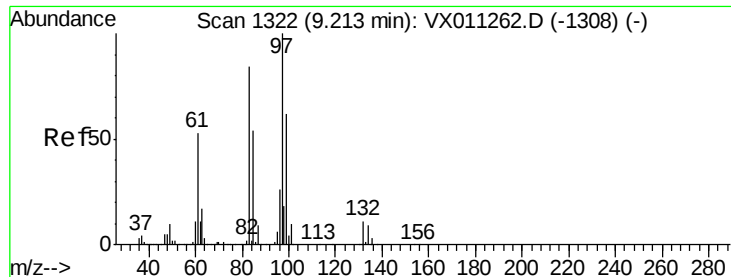
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#54
 cis-1,3-Dichloropropene
 Concen: 51.418 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion: 75 Resp: 114411
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6
 39 43.7 35.3 52.9





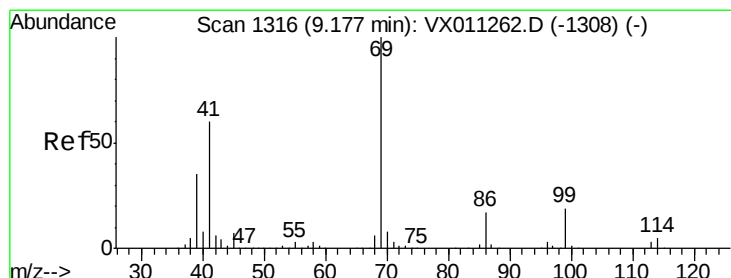
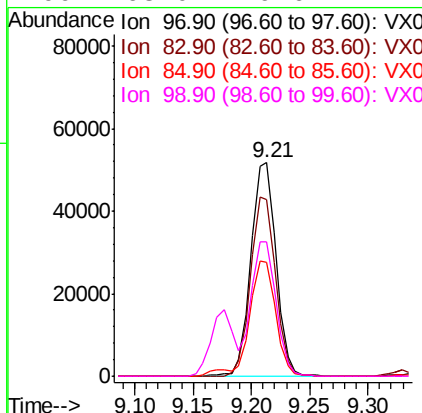
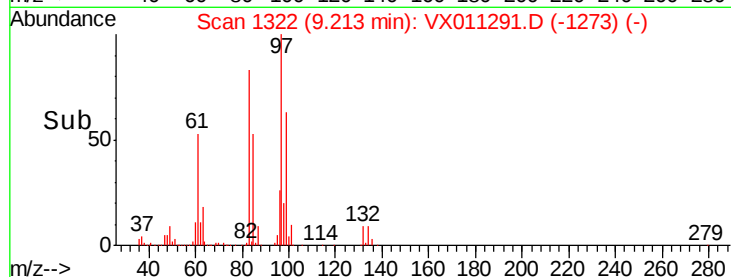
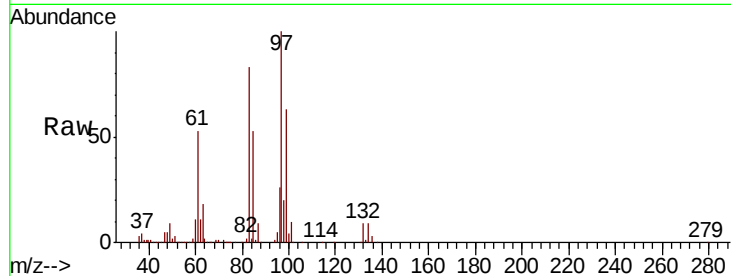
#55
 1,1,2-Trichloroethane
 Concen: 48.534 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	78514
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.6	101.4
85	53.2	43.4	65.0
99	63.0	49.6	74.4

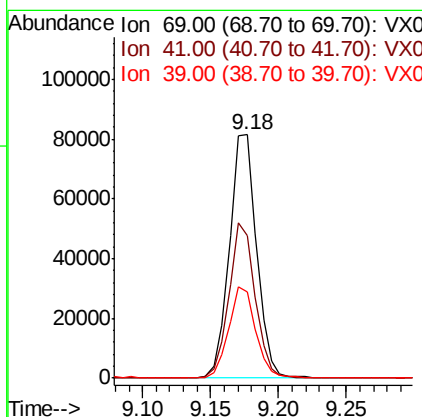
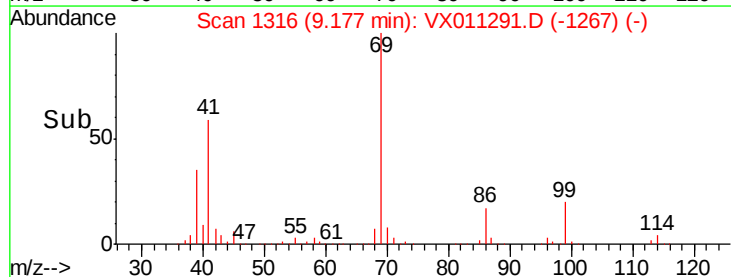
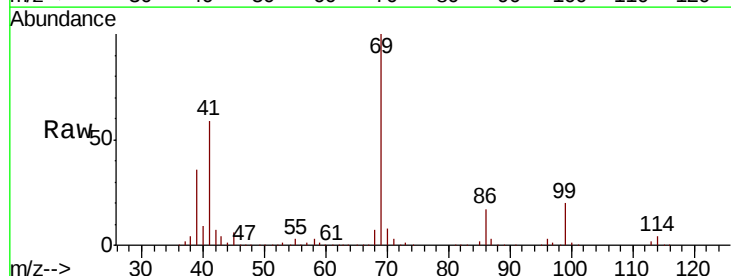
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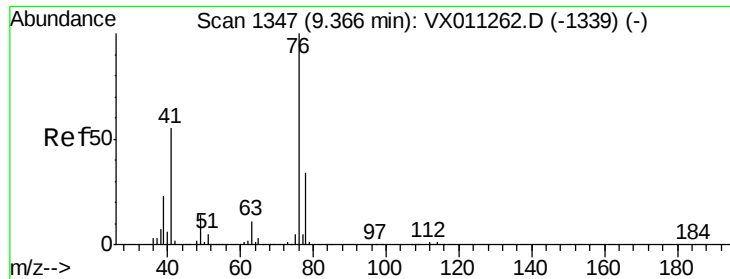
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#56
 Ethyl methacrylate
 Concen: 49.161 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion:	69	Resp:	113333
Ion	Ratio	Lower	Upper
69	100		
41	60.9	48.6	73.0
39	37.1	29.4	44.2





#57

1,3-Dichloropropane

Concen: 47.763 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 122197

Ion Ratio Lower Upper

76 100

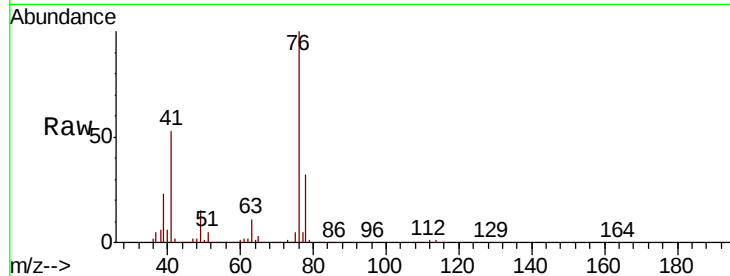
78 32.2 26.6 40.0

Manual Integrations

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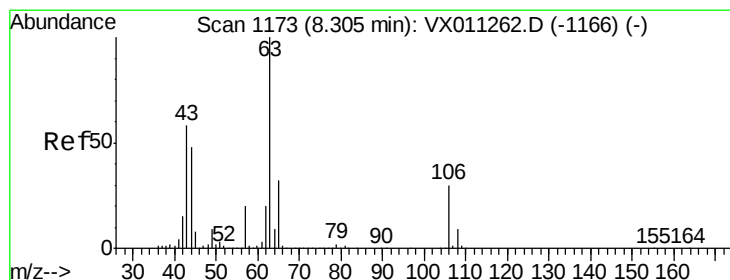
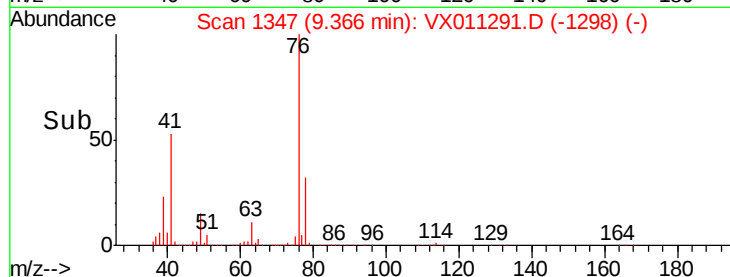
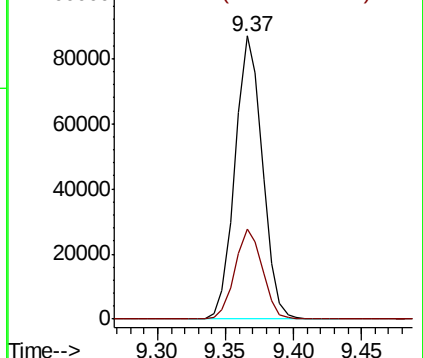
MMDadoda

8/6/2019 12:11:36 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 244.008 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VX011291.D

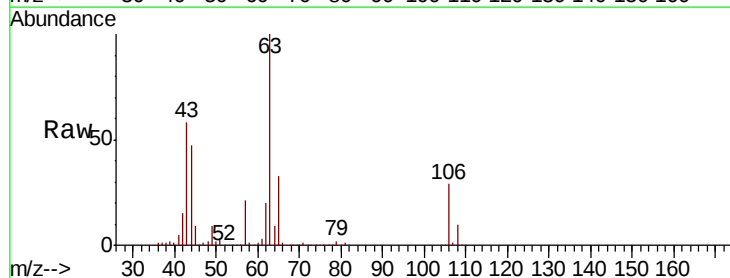
Acq: 02 Aug 2019 09:37

Tgt Ion: 63 Resp: 276586

Ion Ratio Lower Upper

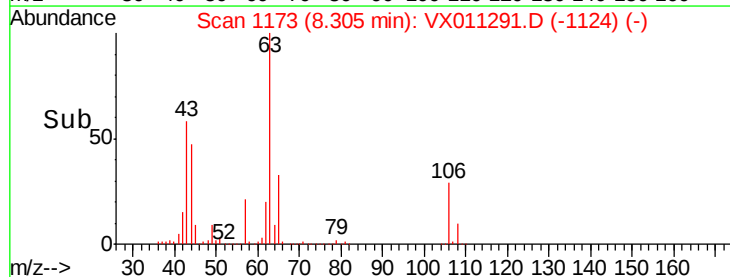
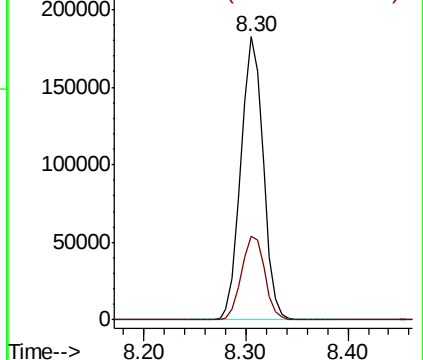
63 100

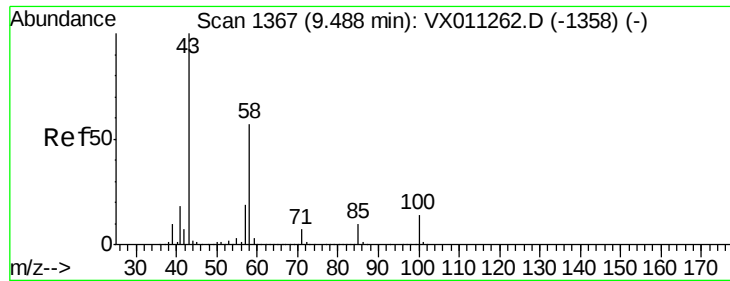
106 30.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





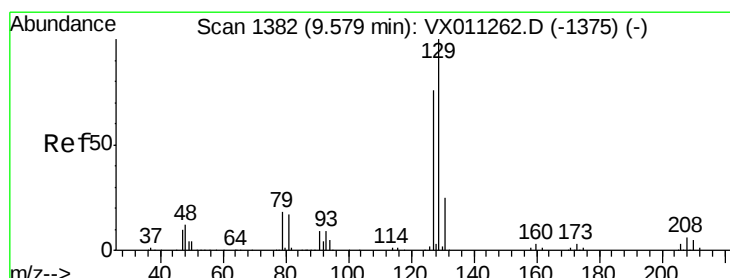
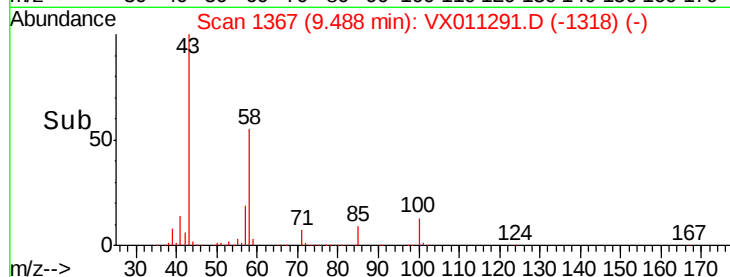
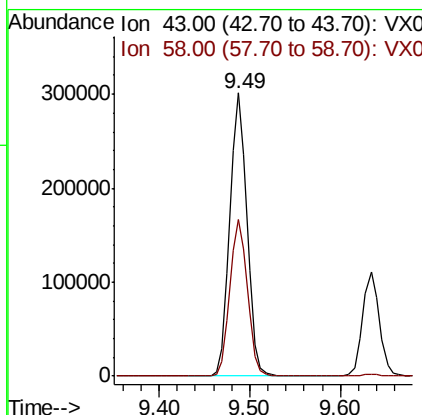
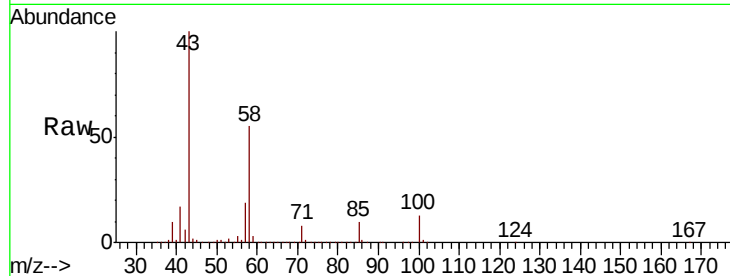
#59
2-Hexanone
Concen: 248.409 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.2	84.6

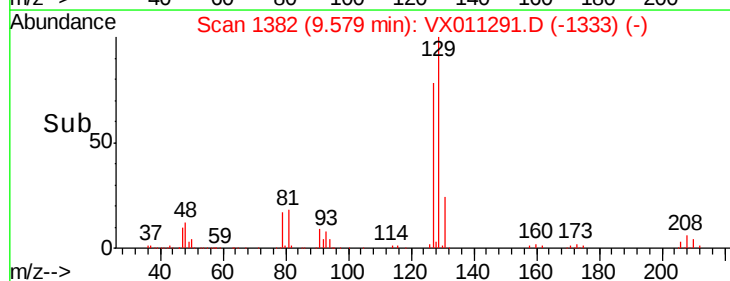
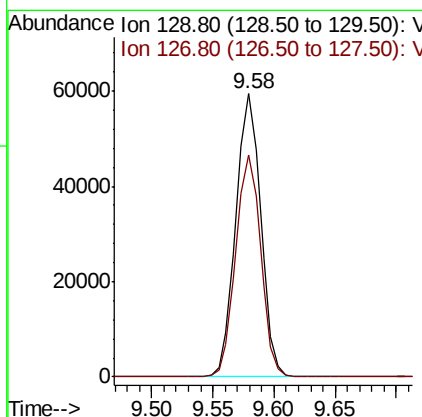
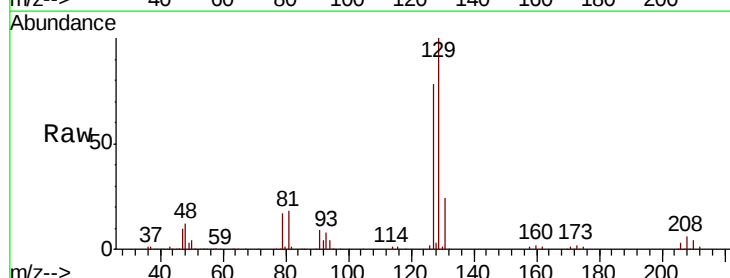
Manual Integrations
APPROVED

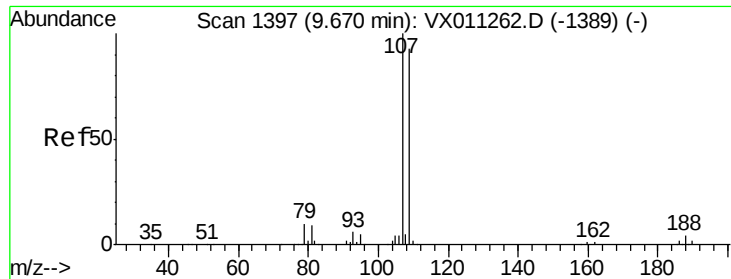
MMDadoda
8/6/2019 12:11:36 PM



#60
Dibromochloromethane
Concen: 50.624 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.2	117.6





#61

1,2-Dibromoethane

Concen: 48.500 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 84767

Ion Ratio Lower Upper

107 100

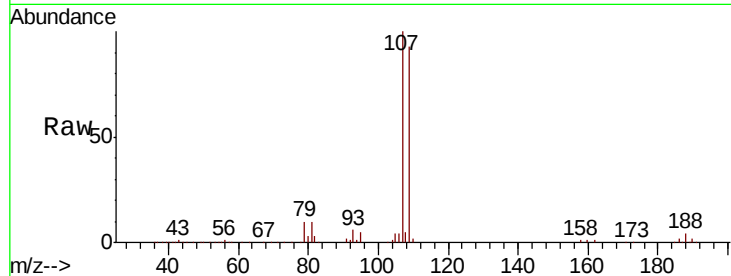
109 93.5 76.6 114.8

Manual Integrations

APPROVED

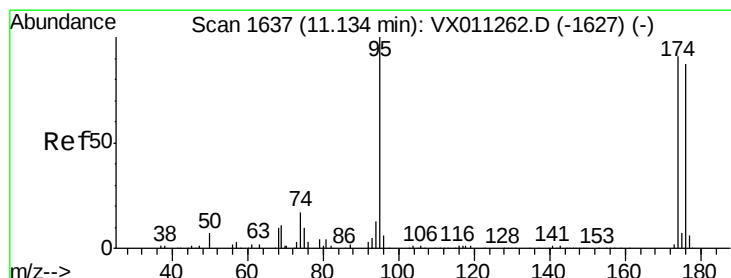
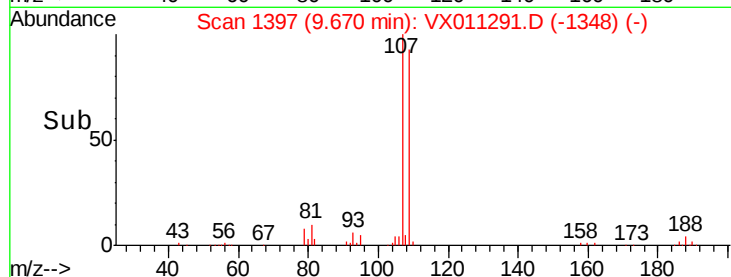
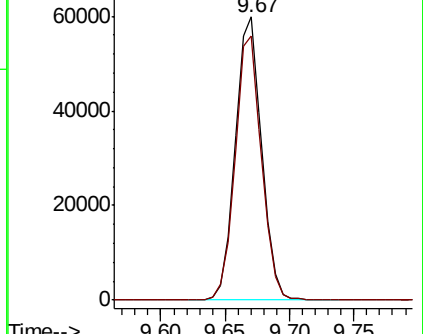
MMDadoda

8/6/2019 12:11:36 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.251 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

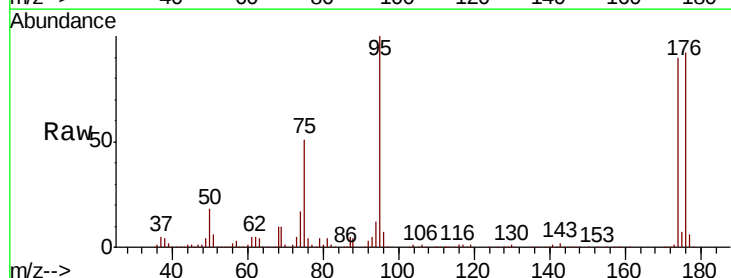
Tgt Ion: 95 Resp: 105007

Ion Ratio Lower Upper

95 100

174 93.7 0.0 191.2

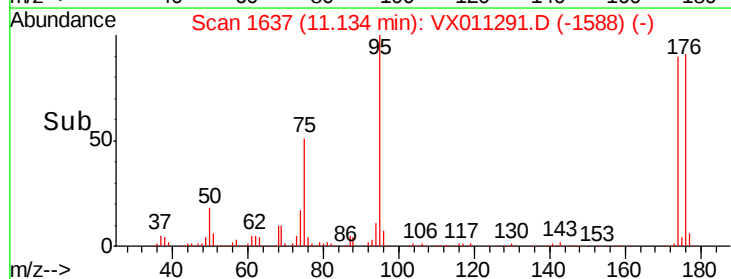
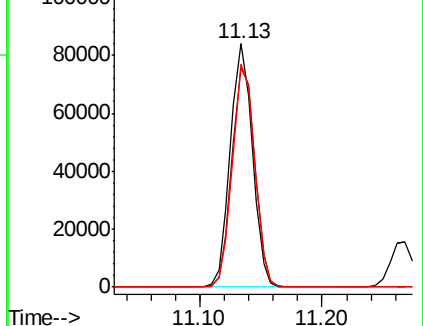
176 91.1 0.0 184.8

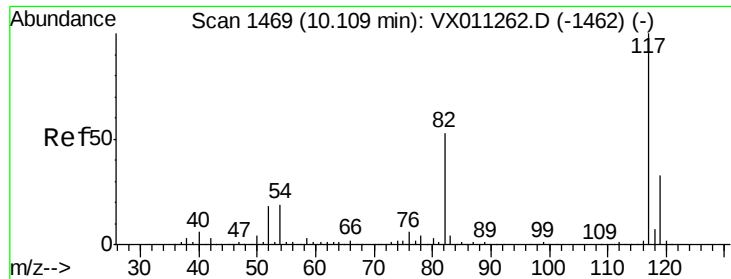


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





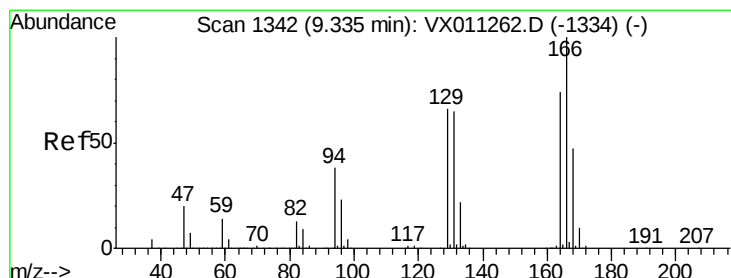
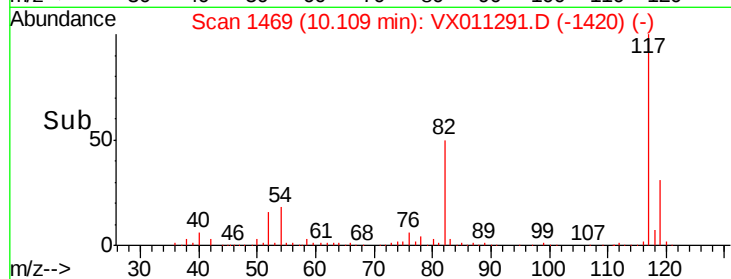
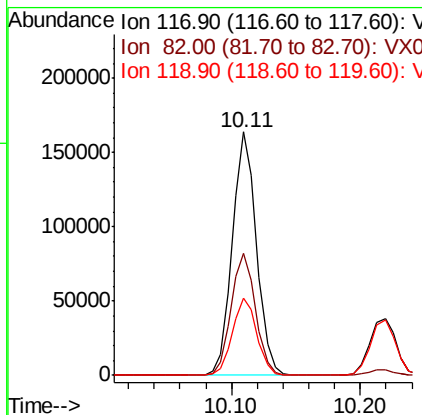
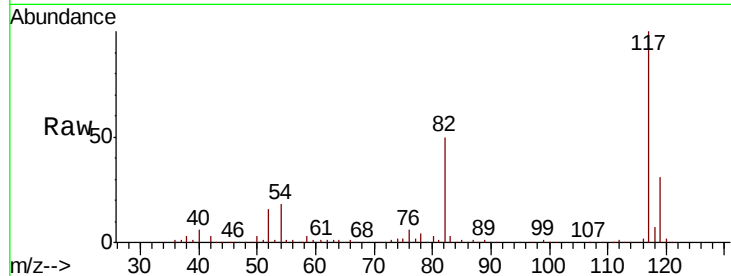
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.2	63.2
119	31.5	26.6	39.8

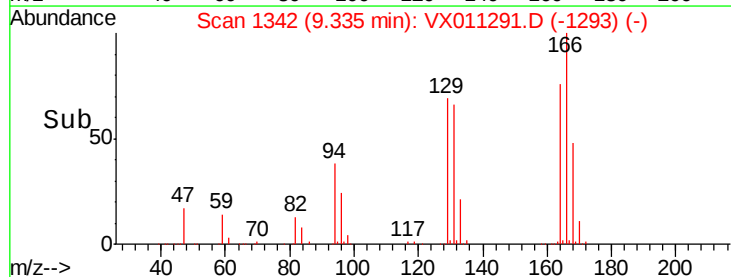
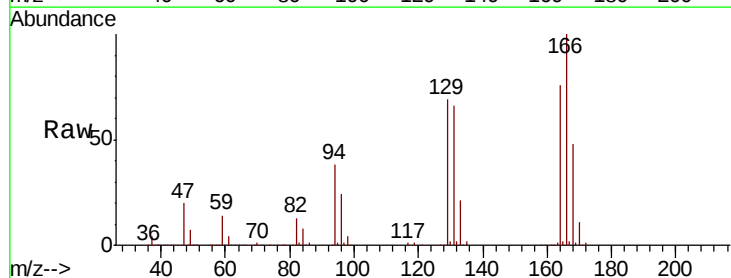
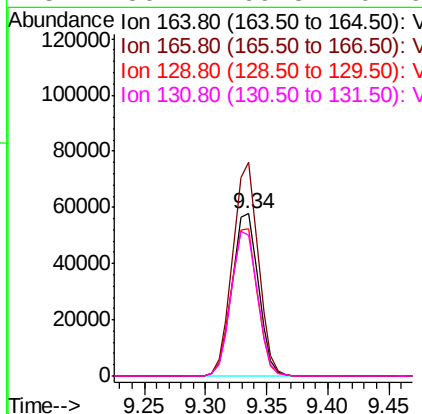
Manual Integrations
APPROVED

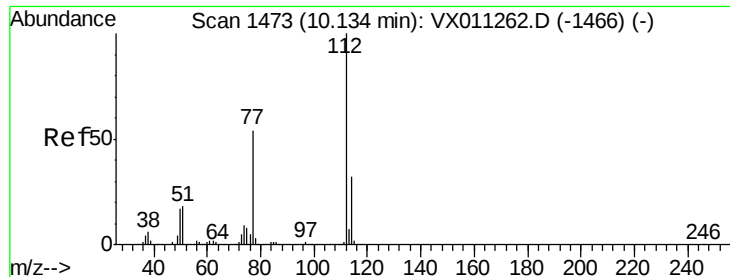
MMDadoda
8/6/2019 12:11:36 PM



#64
Tetrachloroethene
Concen: 47.086 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	107.5	161.3
129	91.1	71.0	106.4
131	86.7	69.8	104.6





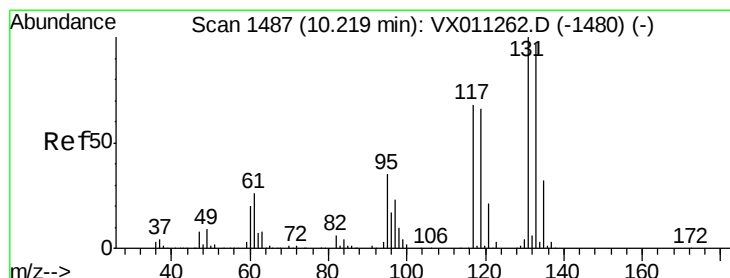
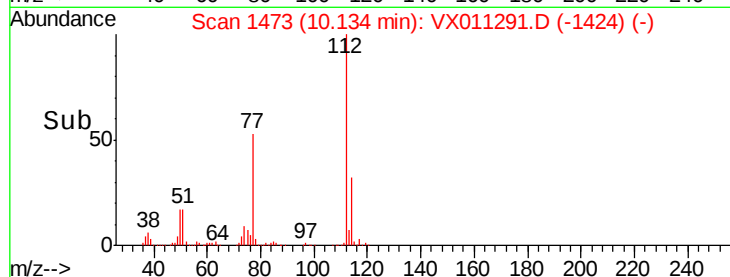
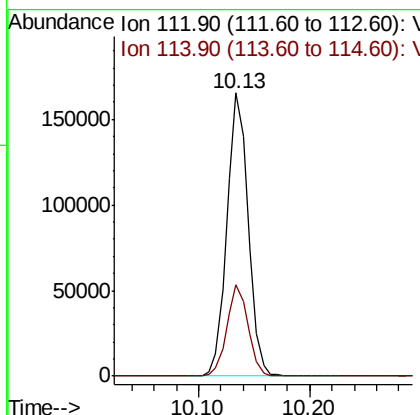
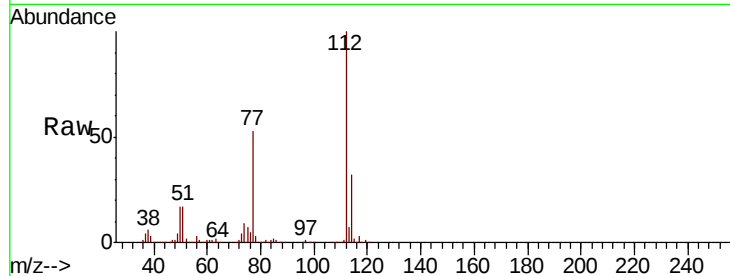
#65
Chlorobenzene
Concen: 47.293 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.9	38.9

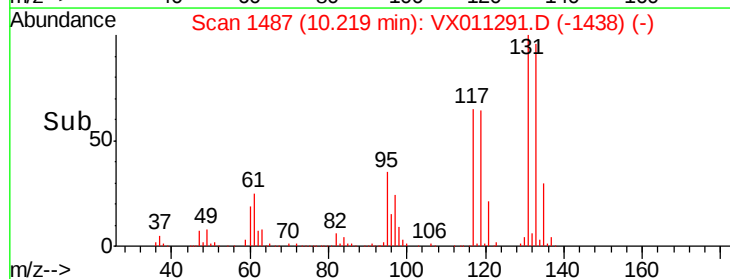
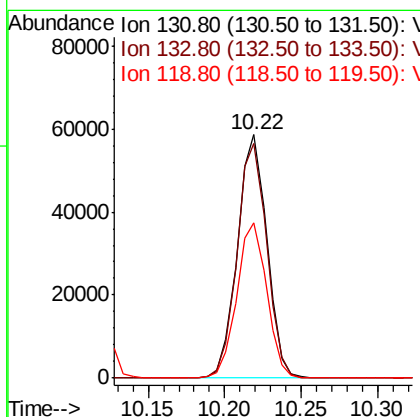
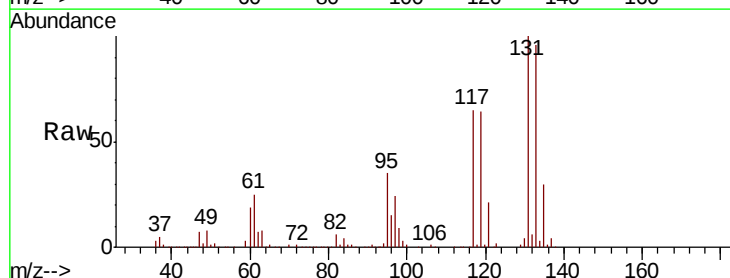
Manual Integrations
APPROVED

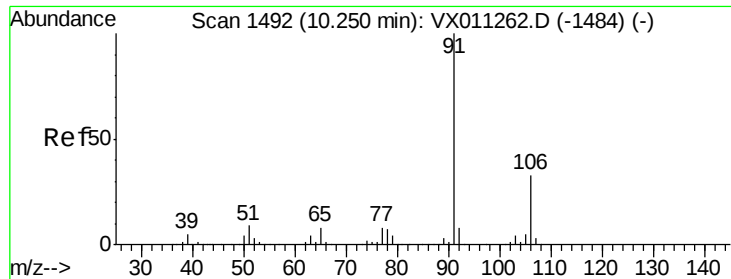
MMDadoda
8/6/2019 12:11:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.499 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.7	143.1
119	64.8	32.8	98.3





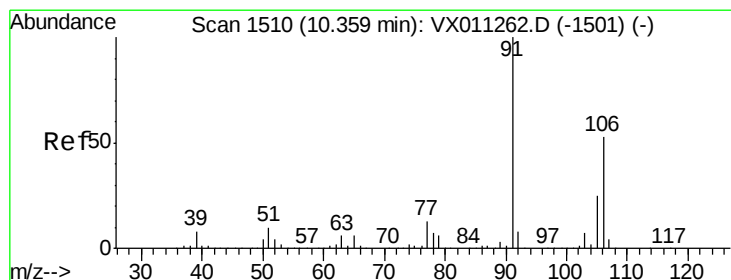
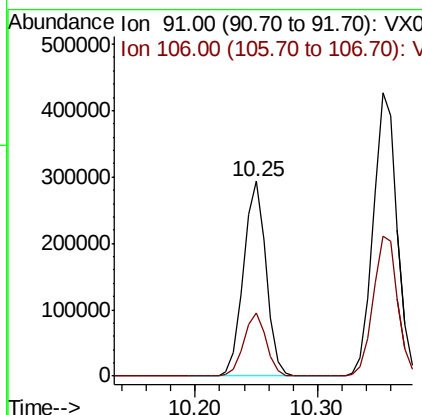
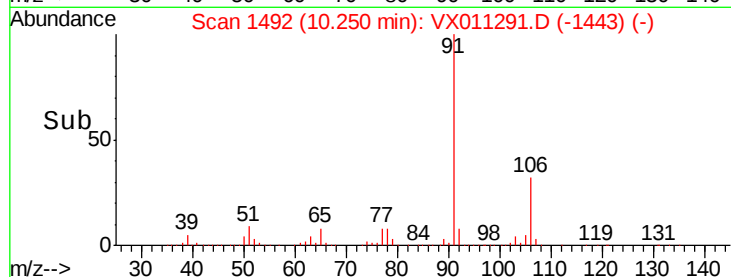
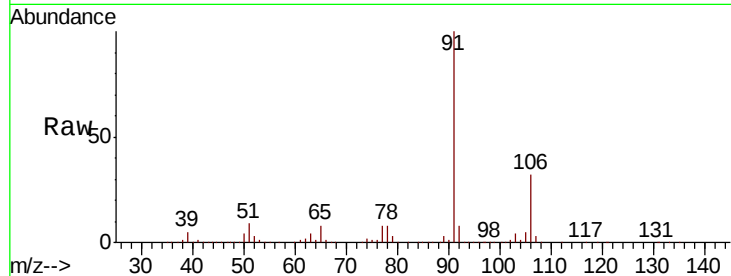
#67
Ethyl Benzene
Concen: 48.551 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 374929
Ion Ratio Lower Upper
91 100
106 32.3 26.2 39.4

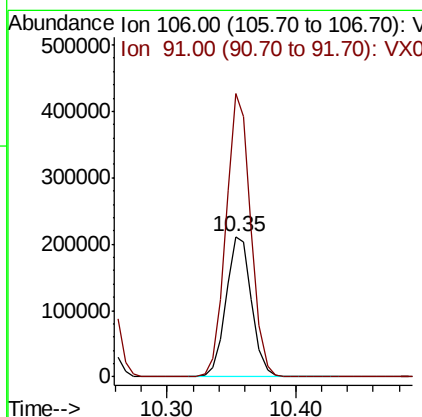
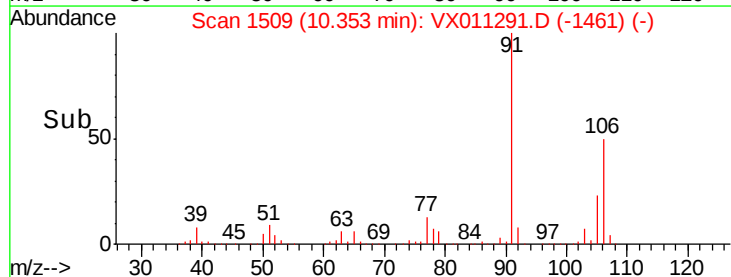
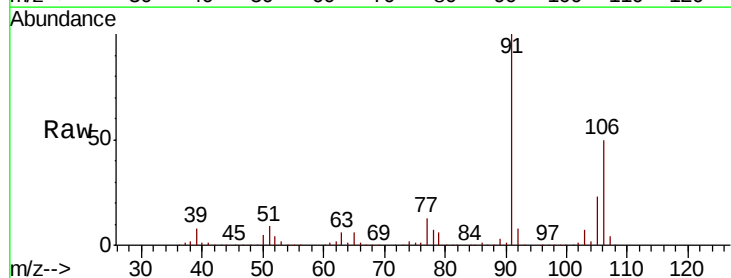
Manual Integrations
APPROVED

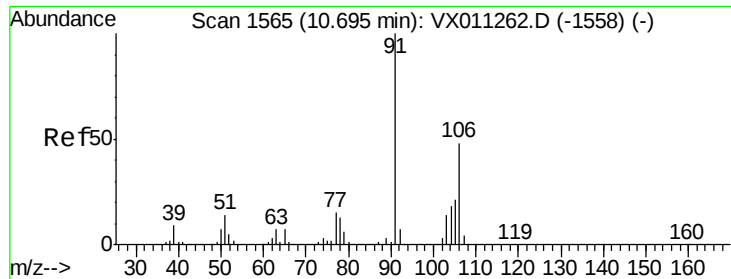
MMDadoda
8/6/2019 12:11:36 PM



#68
m/p-Xylenes
Concen: 98.224 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion: 106 Resp: 293398
Ion Ratio Lower Upper
106 100
91 195.5 155.9 233.9





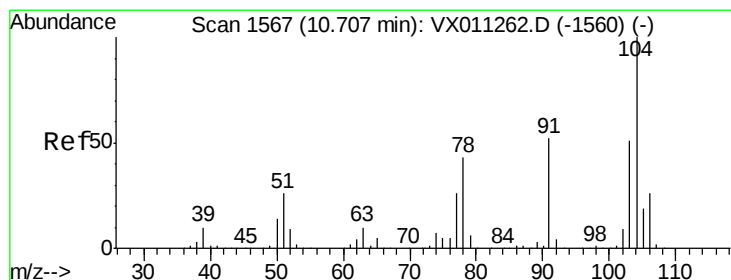
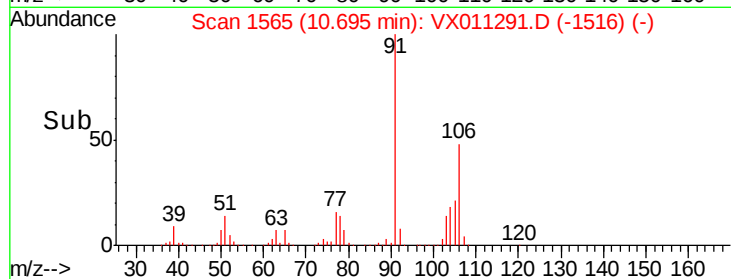
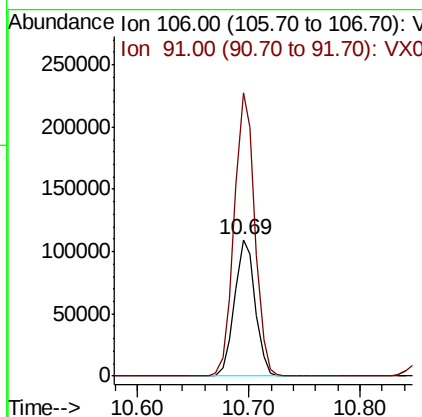
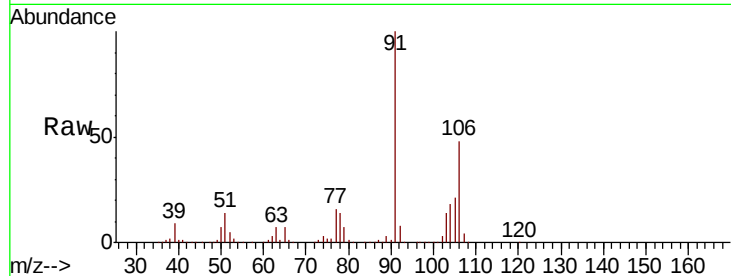
#69
o-Xylene
Concen: 47.779 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	207.3	103.8	311.3		

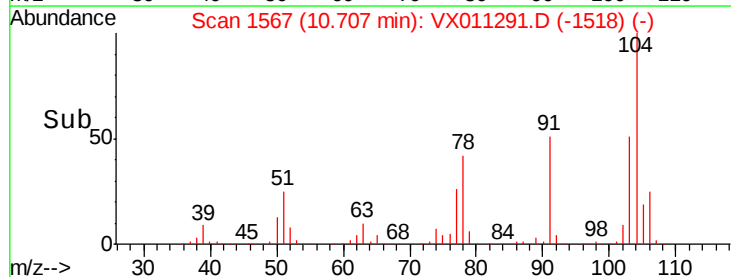
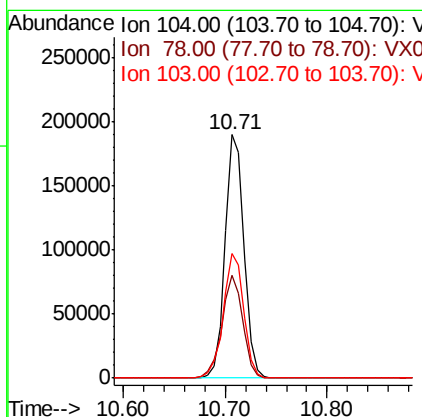
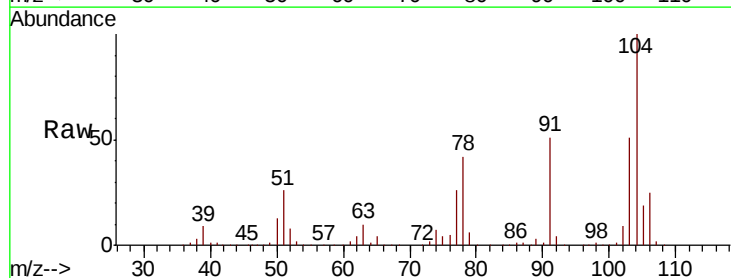
Manual Integrations
APPROVED

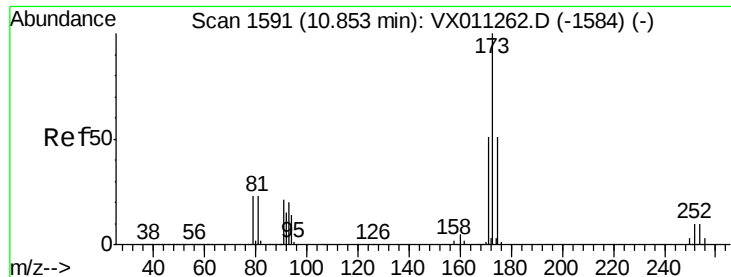
MMDadoda
8/6/2019 12:11:36 PM



#70
Styrene
Concen: 50.264 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	46.3	36.9	55.3		
103	55.1	44.4	66.6		





#71

Bromoform

Concen: 45.197 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 63388

Ion Ratio Lower Upper

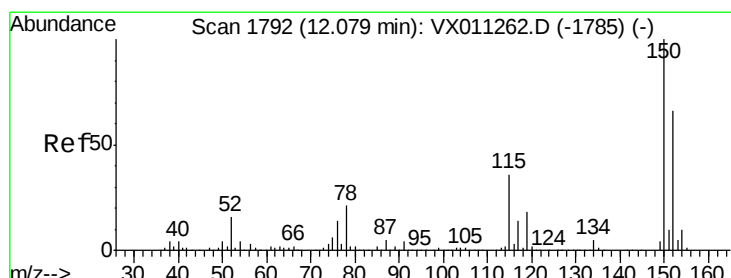
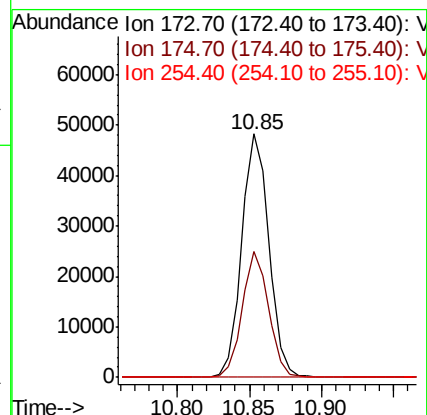
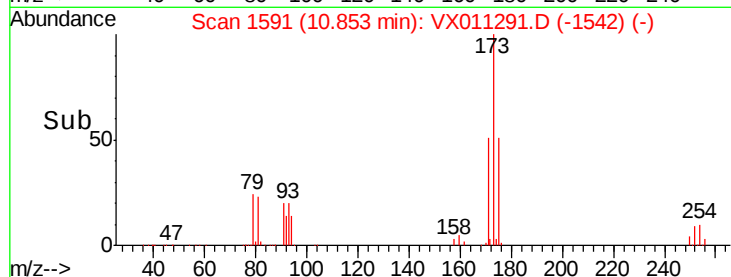
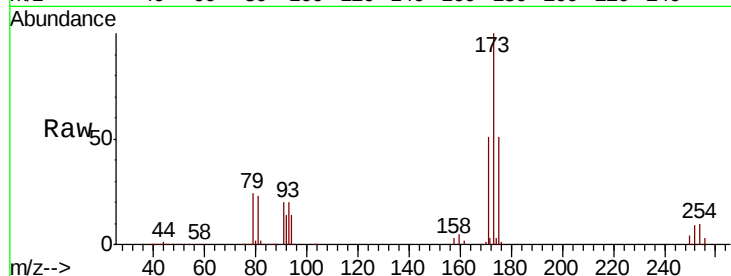
173 100

175 49.9 24.4 73.4

254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:36 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

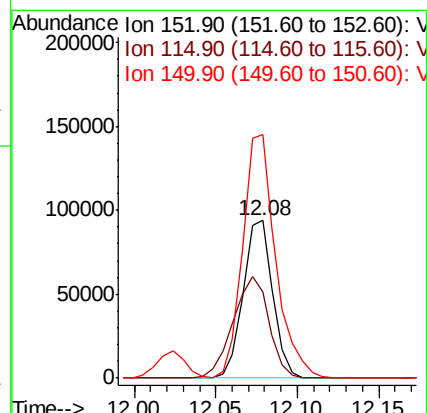
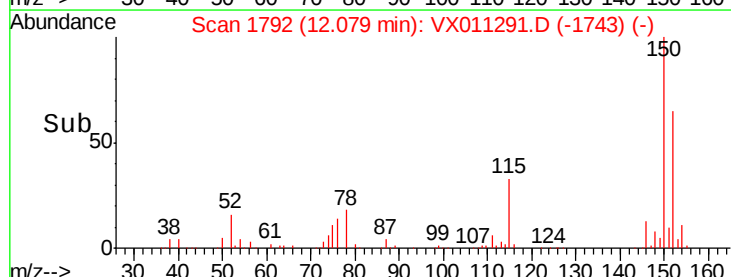
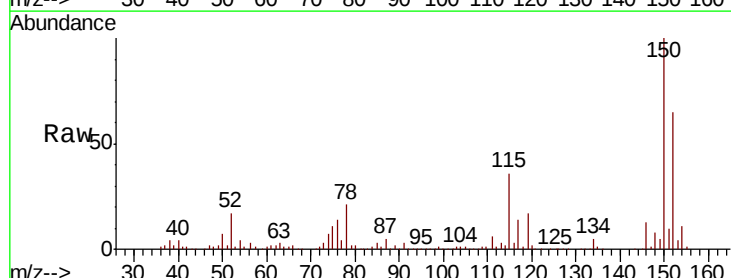
Tgt Ion:152 Resp: 118598

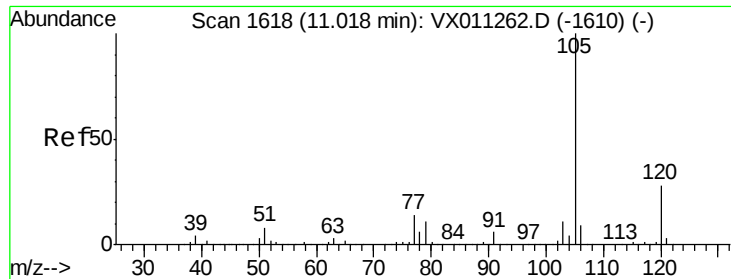
Ion Ratio Lower Upper

152 100

115 77.9 40.0 119.9

150 171.8 0.0 350.4





#73

Isopropylbenzene

Concen: 47.136 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 382335

Ion Ratio Lower Upper

105 100

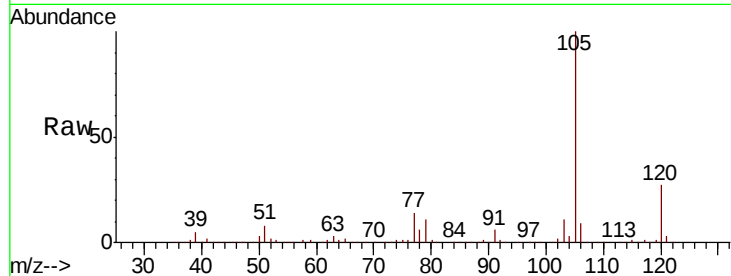
120 27.6 13.7 41.1

Manual Integrations

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MMDadoda

8/6/2019 12:11:36 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

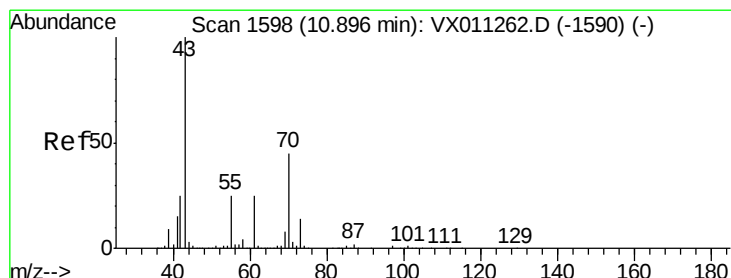
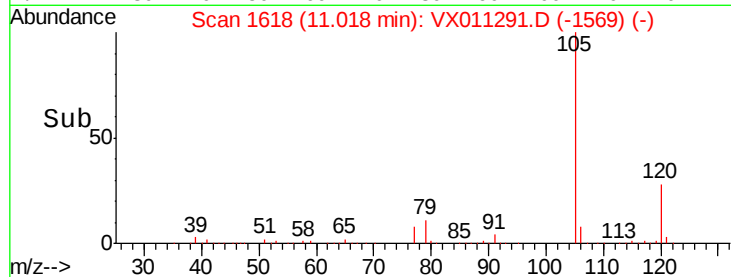
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.132 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Tgt Ion: 43 Resp: 141068

Ion Ratio Lower Upper

43 100

70 44.6 35.9 53.9

55 23.9 19.8 29.6

61 24.9 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

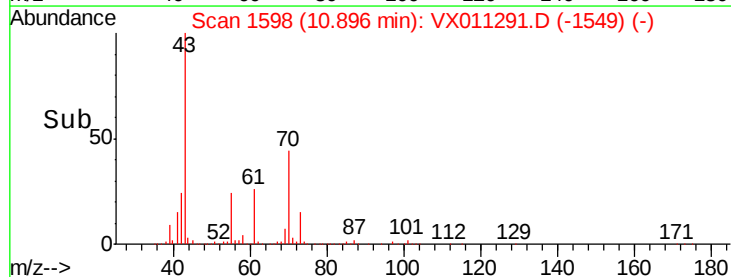
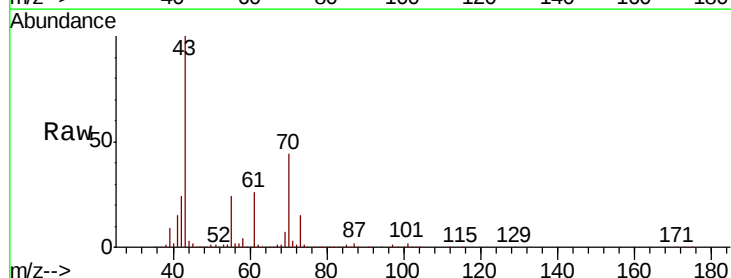
150000

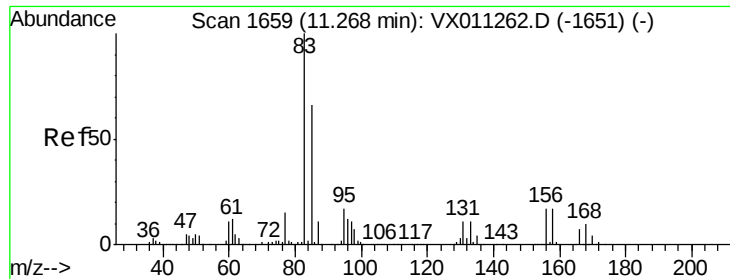
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 45.096 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

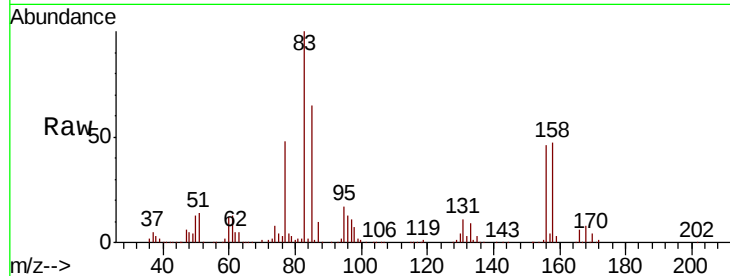
ClientSampleId :

VSTDCCC050

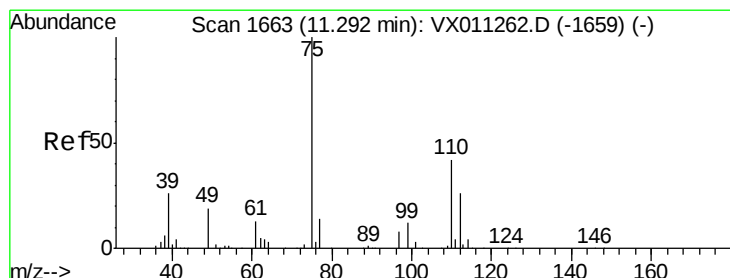
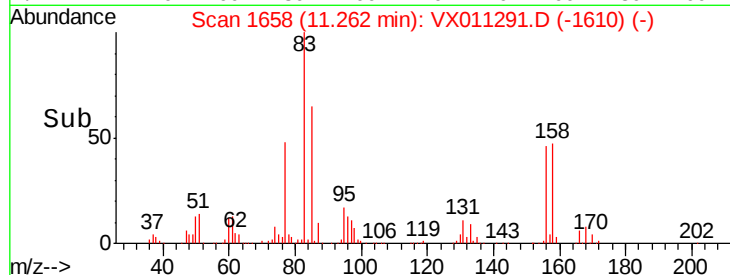
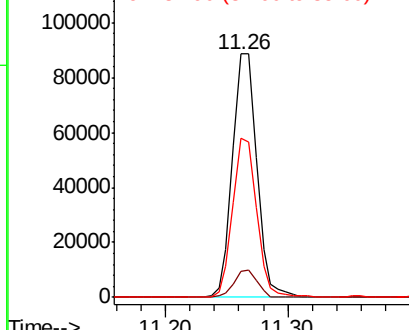
Tot Ion:	83	Resp:	121899
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	64.7	32.1	96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.853 ug/l m

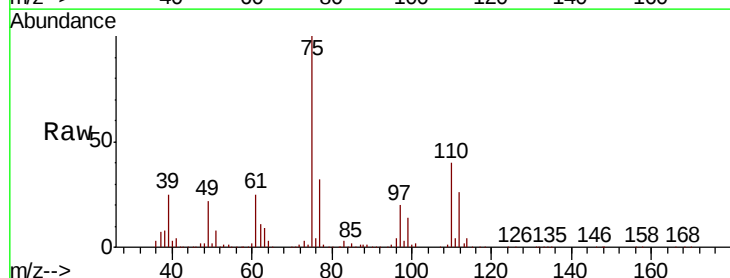
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

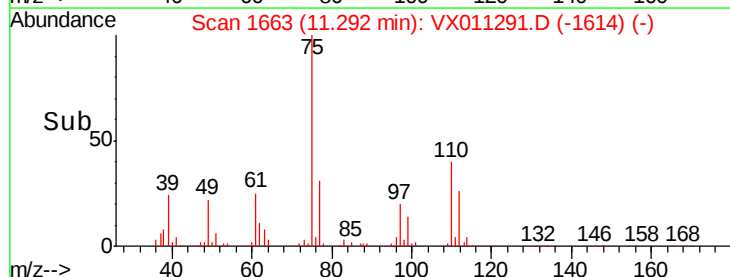
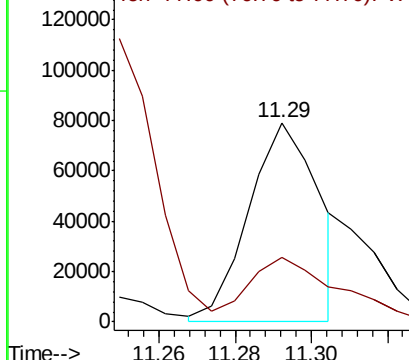
Lab File: VX011291.D

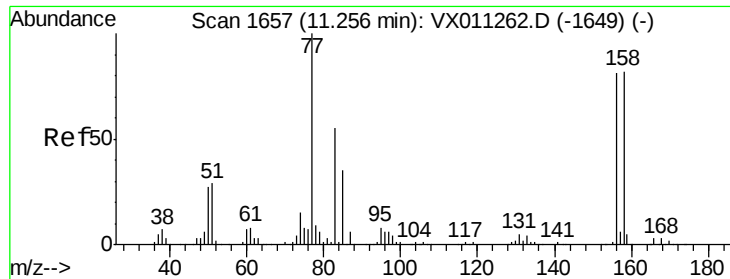
Acq: 02 Aug 2019 09:37

Tgt Ion:	75	Resp:	101194
Ion Ratio	Lower	Upper	
75	100		
77	41.8	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 46.049 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

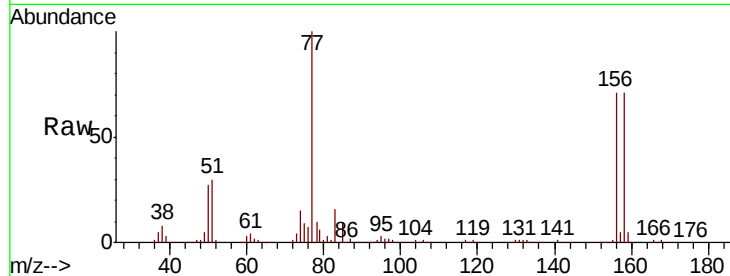
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	103575
Ion Ratio	Lower	Upper	
156	100		
77	135.3	66.2	198.6
158	99.1	49.1	147.3

Manual Integrations
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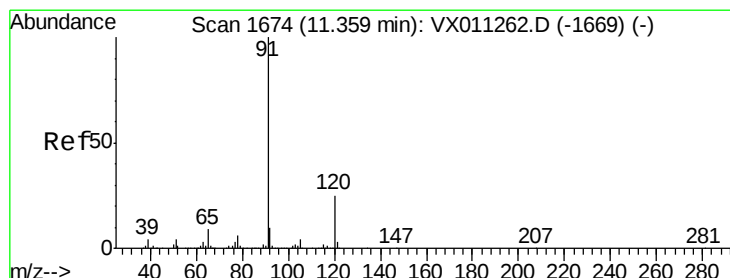
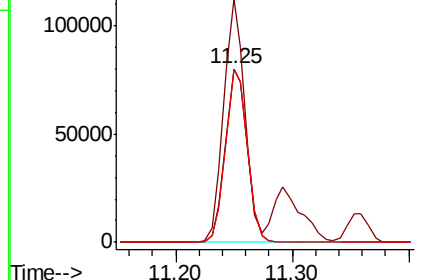
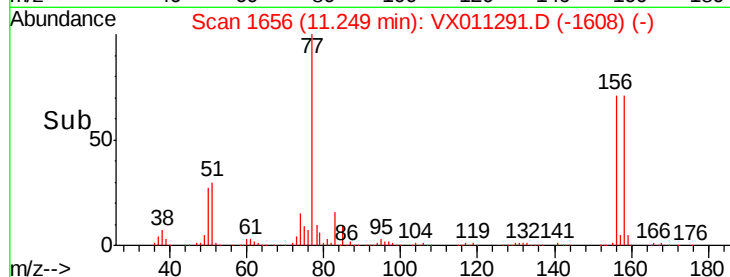
MMDadoda
8/6/2019 12:11:36 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.675 ug/l

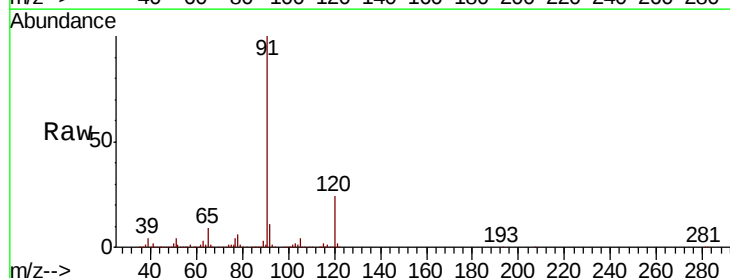
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011291.D

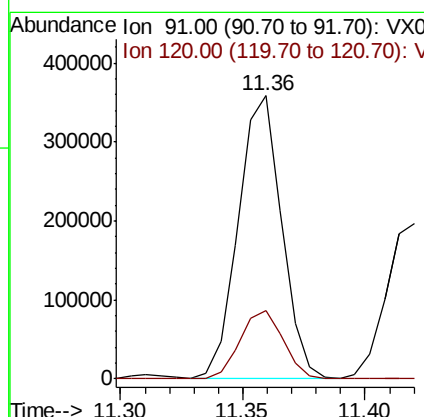
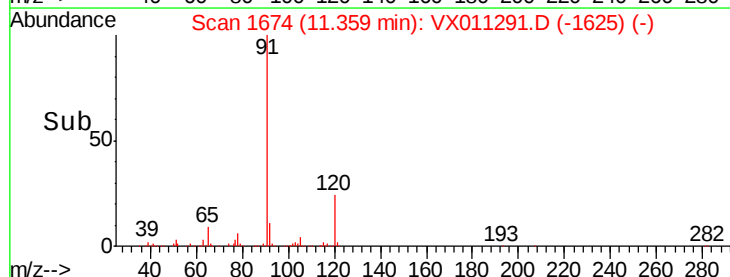
Acq: 02 Aug 2019 09:37

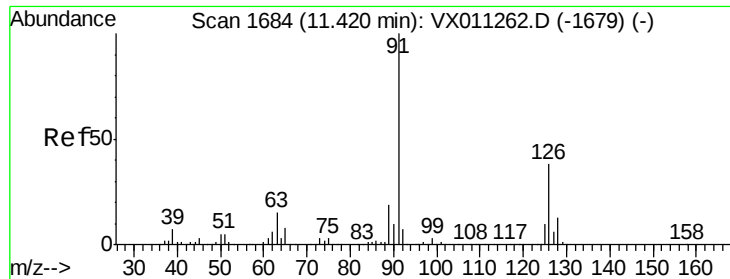
Tgt Ion:	91	Resp:	439058
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.4	37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.769 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 251446

Ion Ratio Lower Upper

91 100

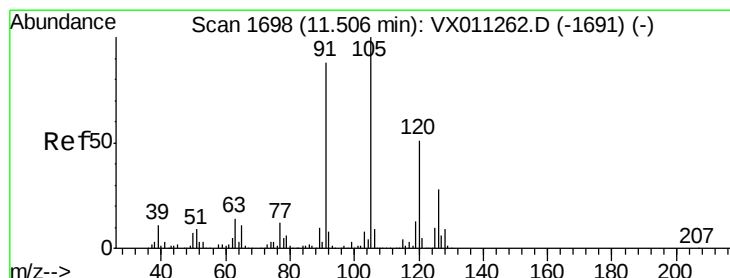
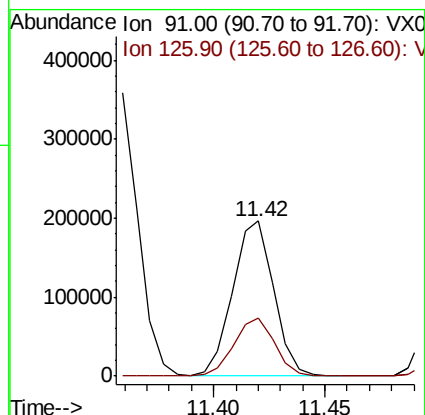
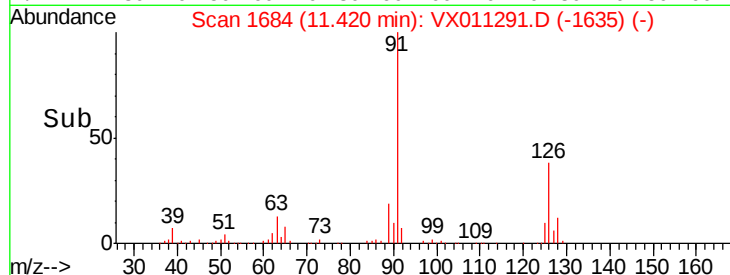
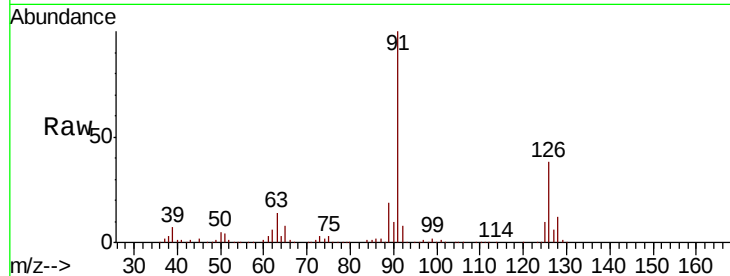
126 37.1 18.5 55.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.033 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011291.D

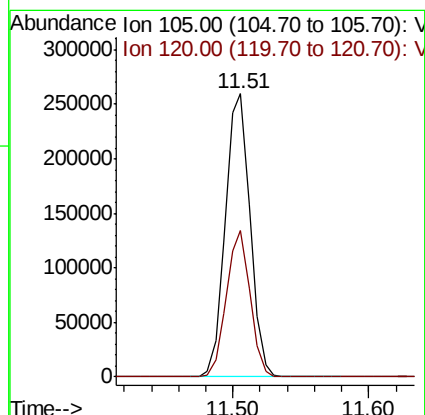
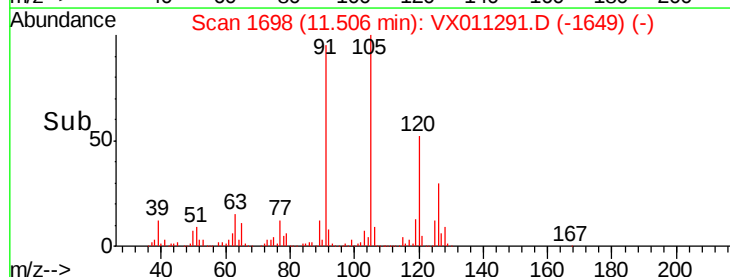
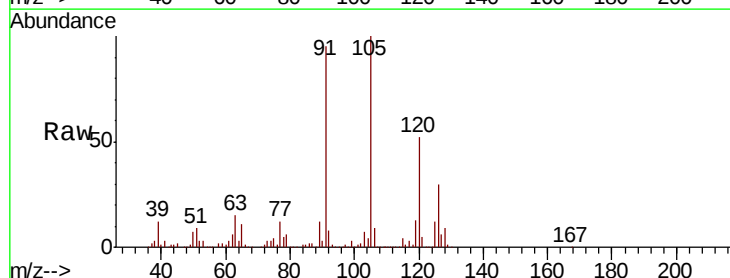
Acq: 02 Aug 2019 09:37

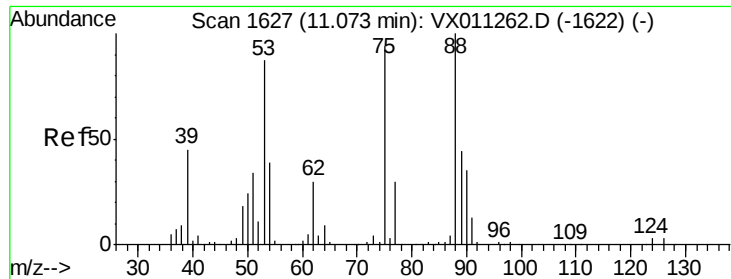
Tgt Ion: 105 Resp: 326144

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.2





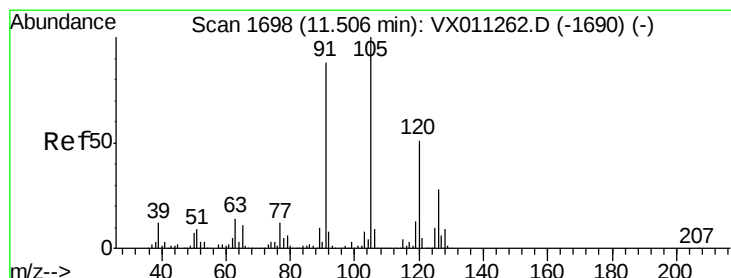
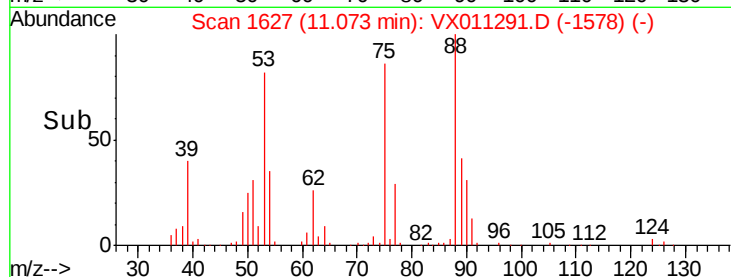
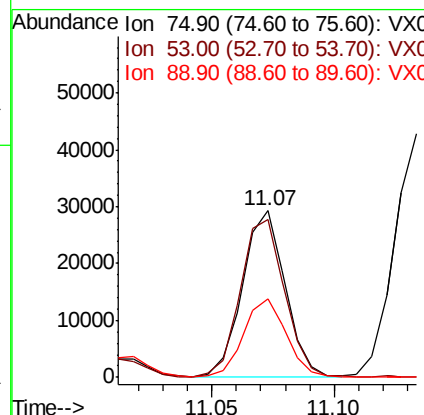
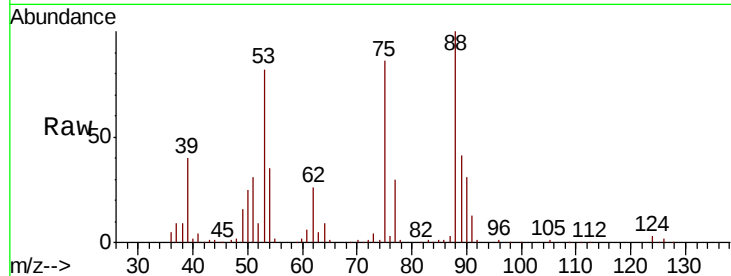
#81
trans-1,4-Dichloro-2-butene
Concen: 44.466 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.2	117.4
89	47.3	37.9	56.9

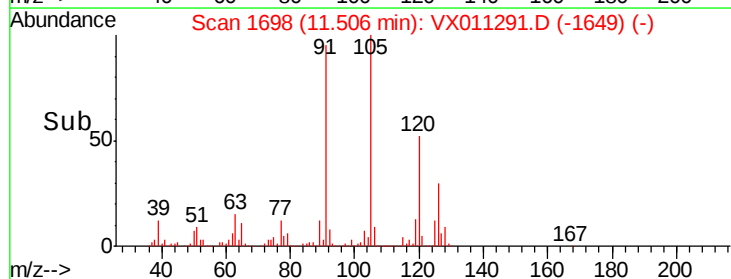
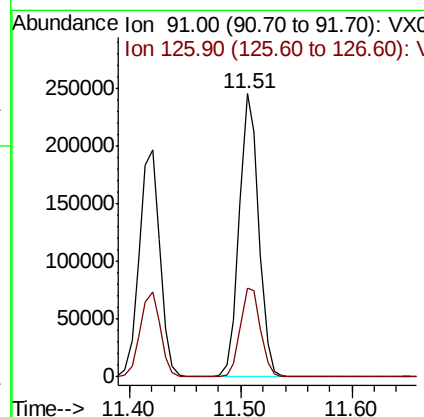
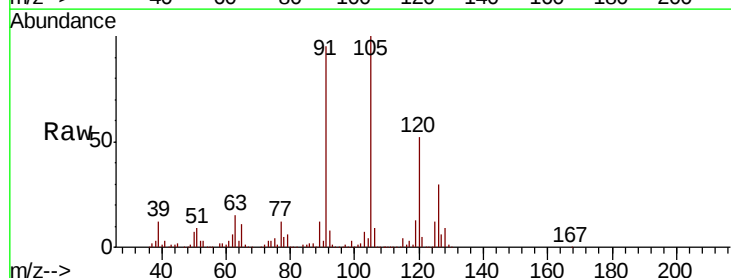
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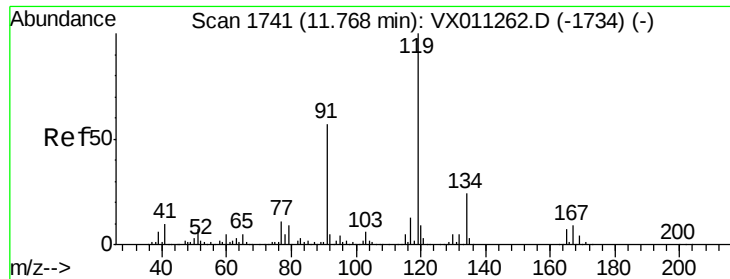
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#82
4-Chlorotoluene
Concen: 47.335 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011291.D
Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.2





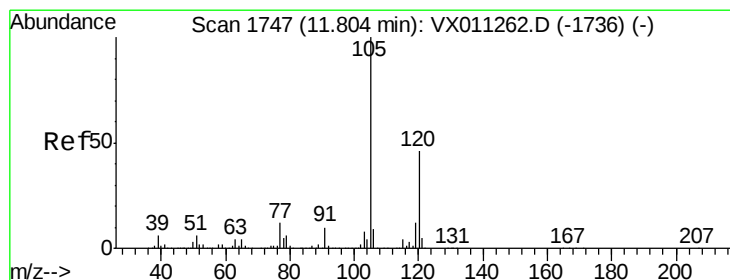
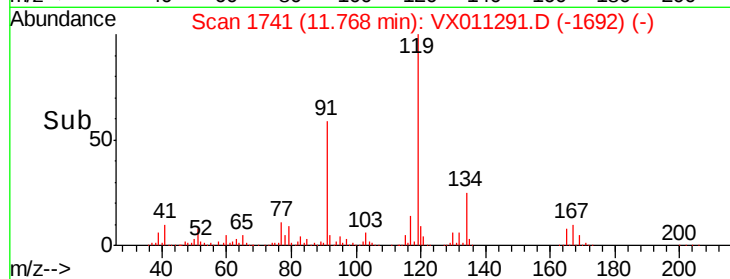
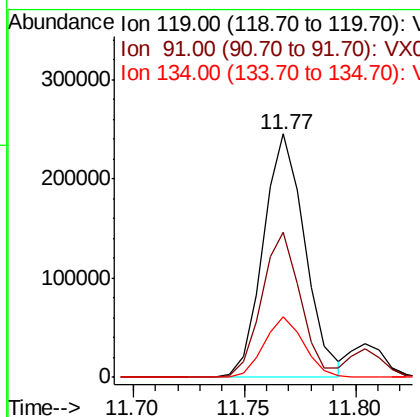
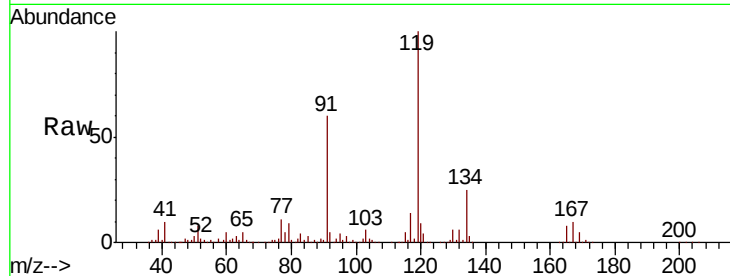
#83
 tert-Butylbenzene
 Concen: 47.910 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	319056		
91	56.2	28.0	84.0	
134	23.5	11.9	35.5	

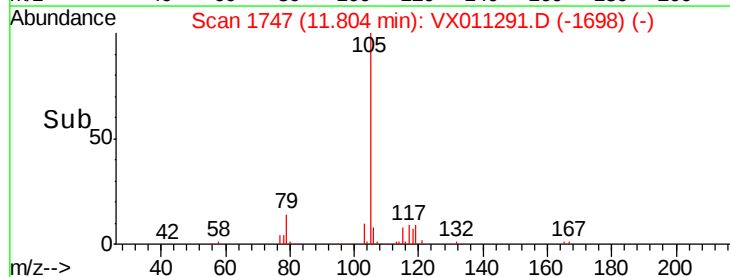
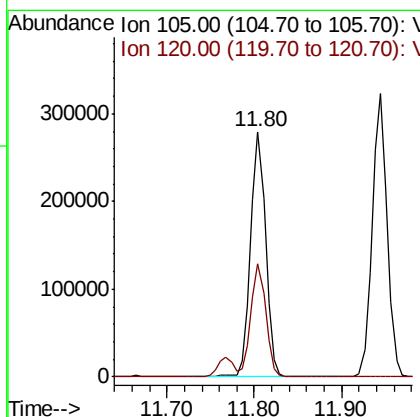
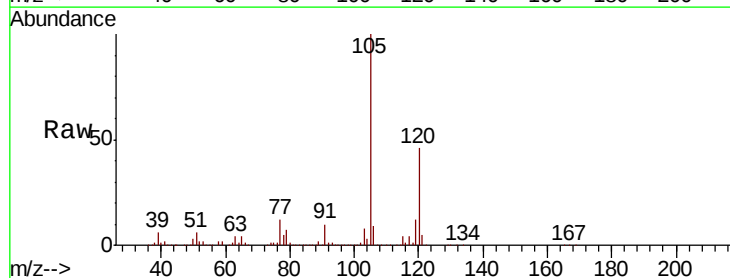
Manual Integrations
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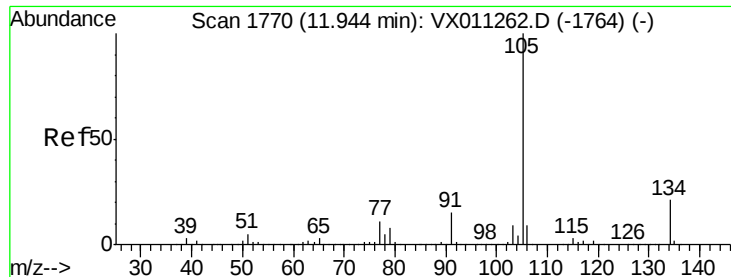
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.757 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	329613		
120	45.9	23.0	69.0	





#85

sec-Butylbenzene

Concen: 48.450 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 387649

Ion Ratio Lower Upper

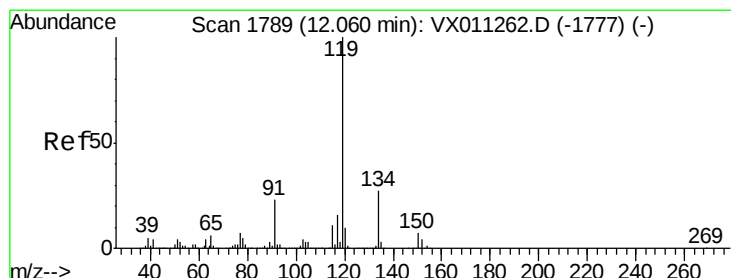
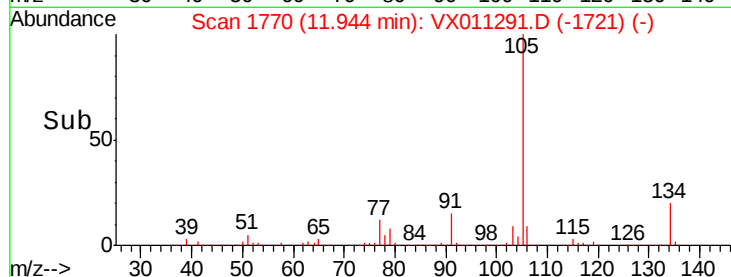
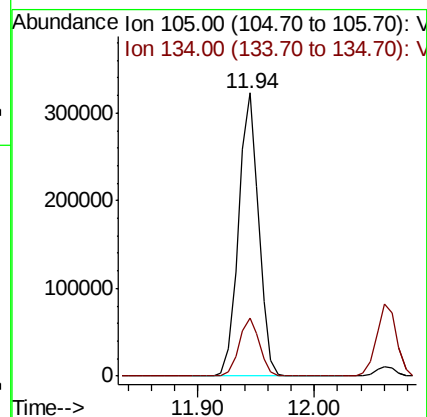
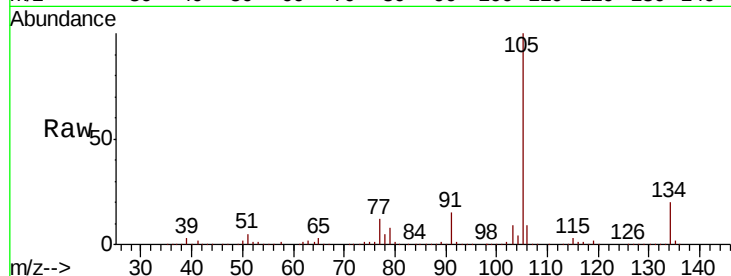
105 100

134 20.8 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 49.272 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

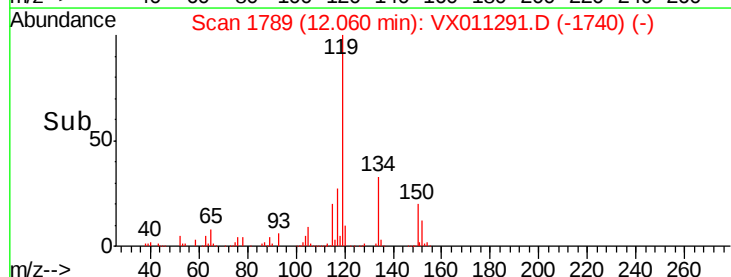
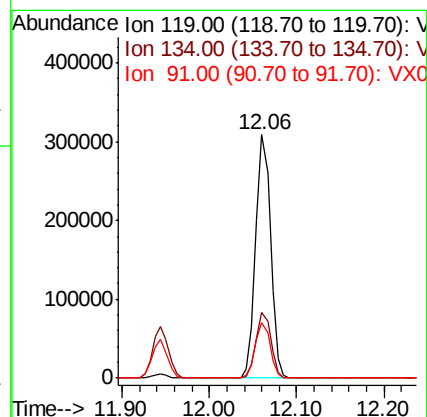
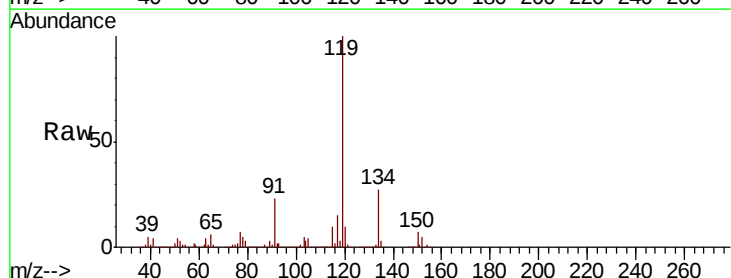
Tgt Ion:119 Resp: 362676

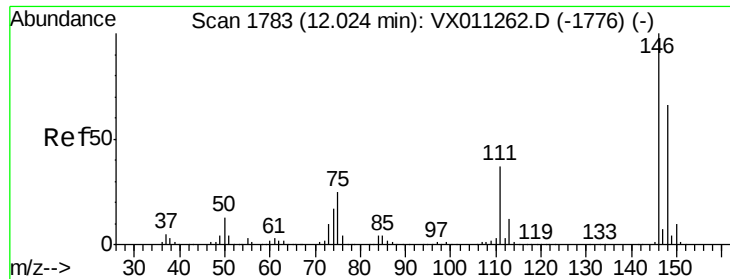
Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.7 11.4 34.2





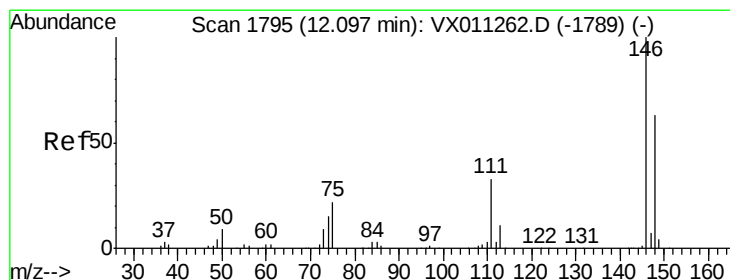
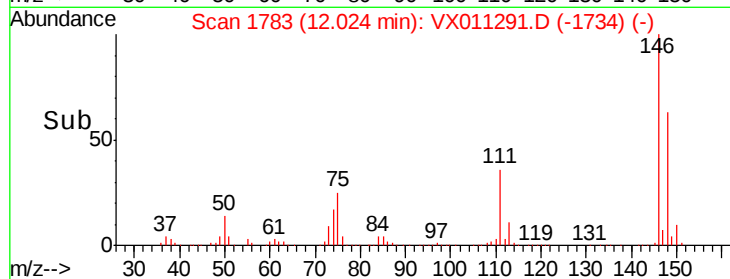
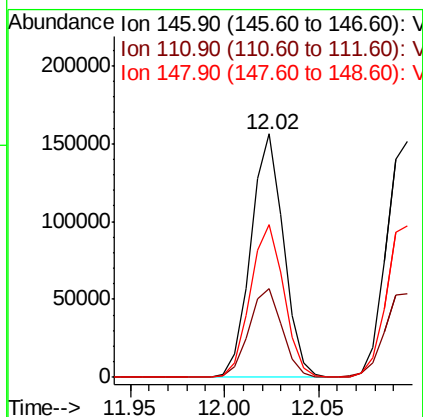
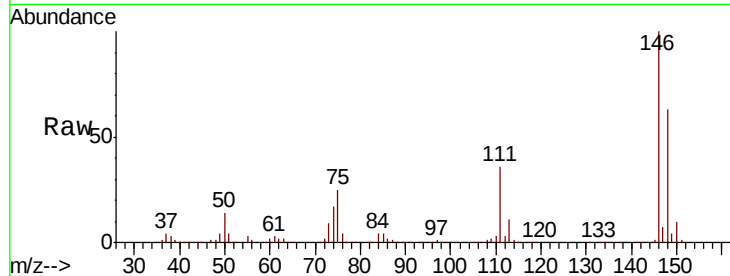
#87
 1,3-Dichlorobenzene
 Concen: 47.351 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.2	32.5	97.5

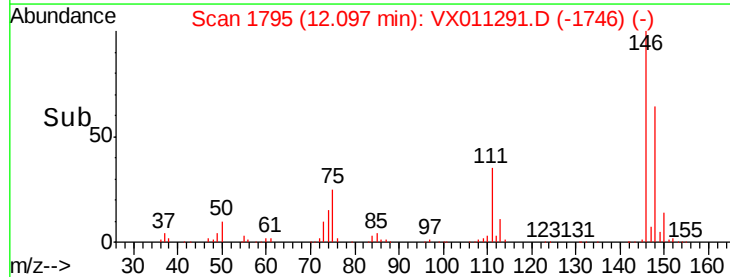
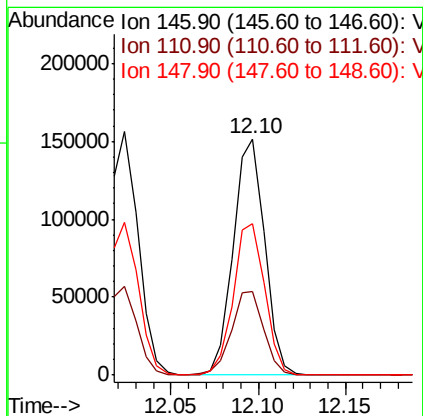
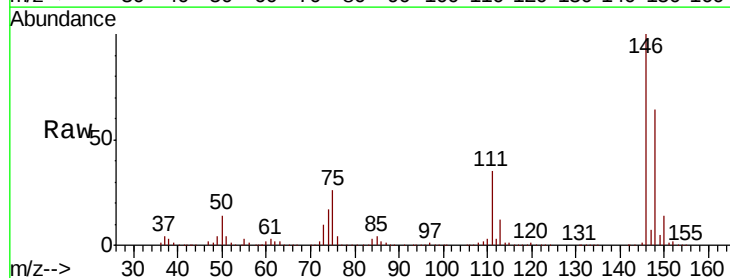
Manual Integrations
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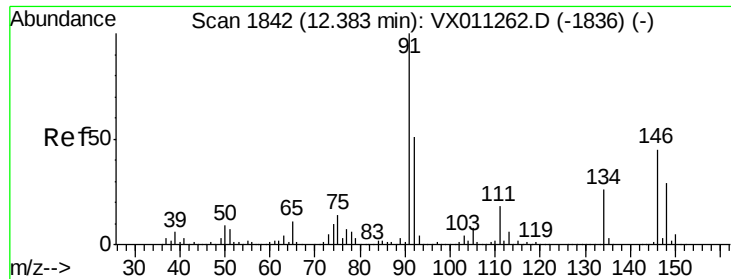
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#88
 1,4-Dichlorobenzene
 Concen: 46.086 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.8	53.4
148	64.4	31.8	95.3





#89

n-Butylbenzene

Concen: 49.362 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 313030

Ion Ratio Lower Upper

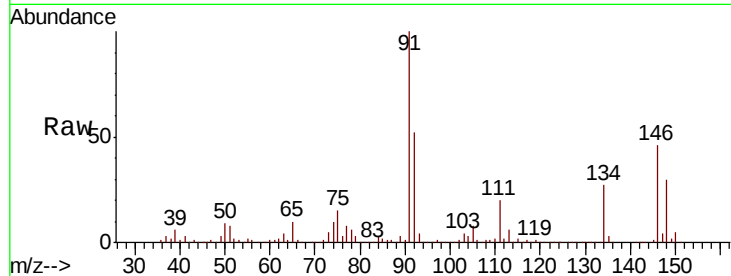
91 100

92 52.3 25.8 77.3

134 27.5 13.7 41.0

Manual Integrations
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8/6/2019 12:11:36 PM

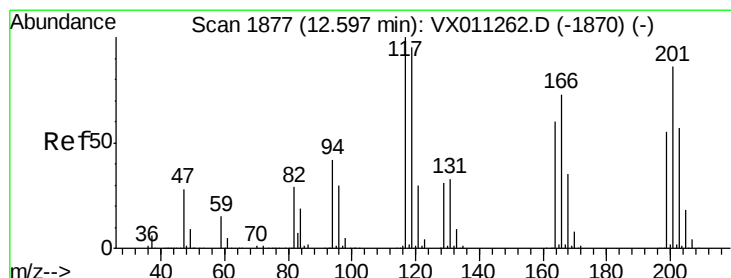
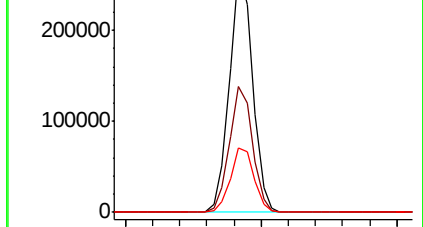
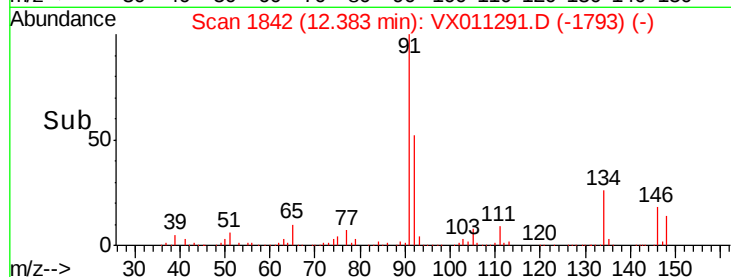


Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX011262.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX011262.D (-1836) (-)

Time-->



#90

Hexachloroethane

Concen: 50.283 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX011291.D

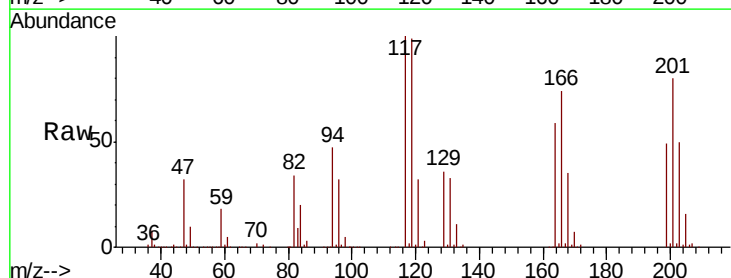
Acq: 02 Aug 2019 09:37

Tgt Ion: 117 Resp: 54720

Ion Ratio Lower Upper

117 100

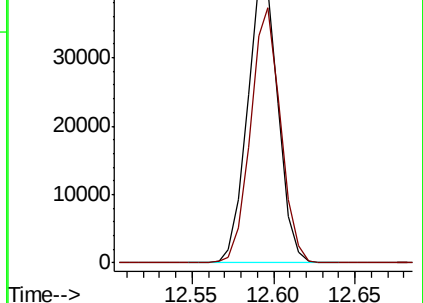
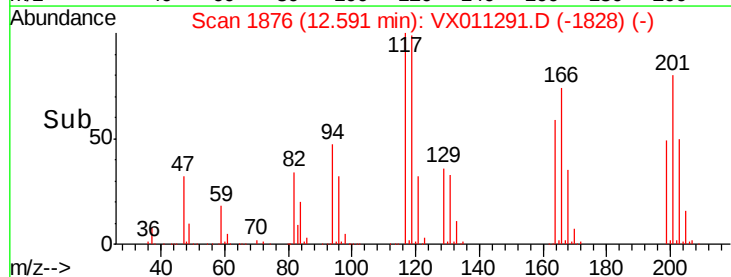
201 87.0 41.8 125.4

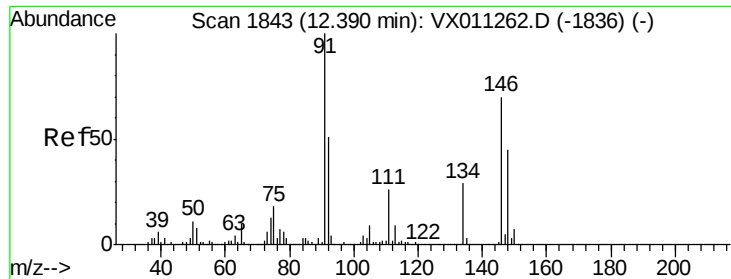


Abundance Ion 116.80 (116.50 to 117.50): VX011262.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX011262.D (-1870) (-)

Time-->





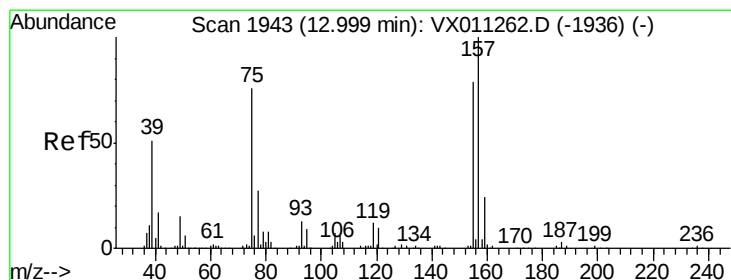
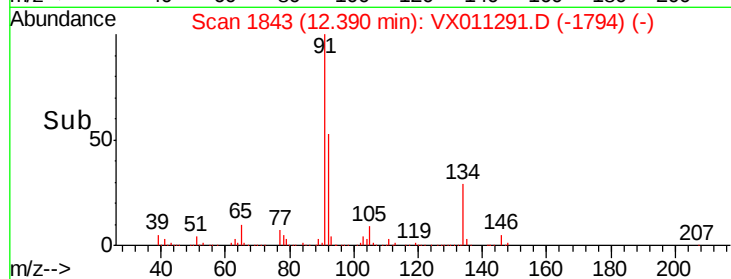
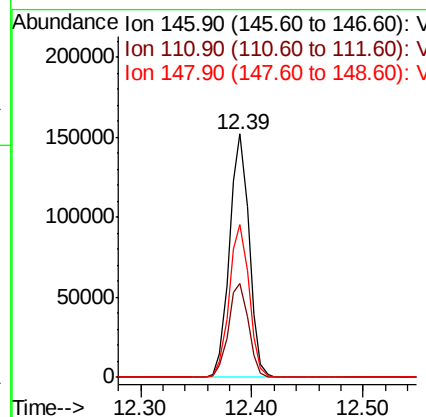
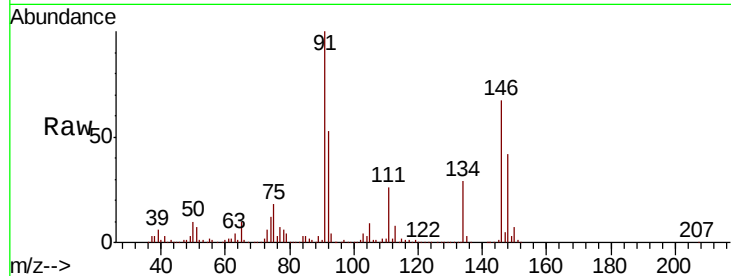
#91
 1,2-Dichlorobenzene
 Concen: 46.468 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185552		
111	39.2	19.1	57.1	
148	63.4	32.3	96.8	

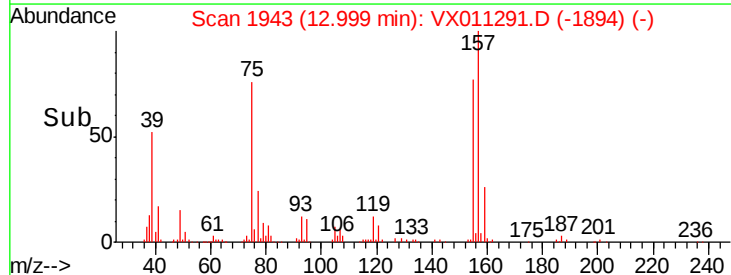
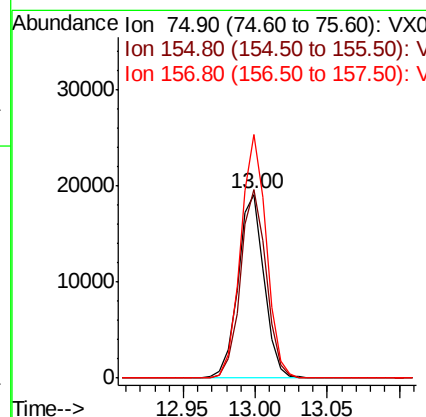
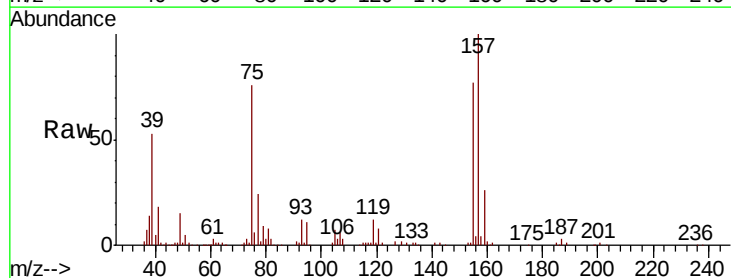
Manual Integrations
 APPROVED

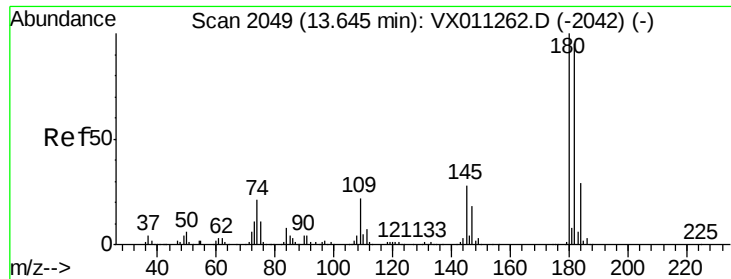
MMDadoda
 8/6/2019 12:11:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.296 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24245		
155	100.2	51.9	155.8	
157	129.4	64.3	192.7	





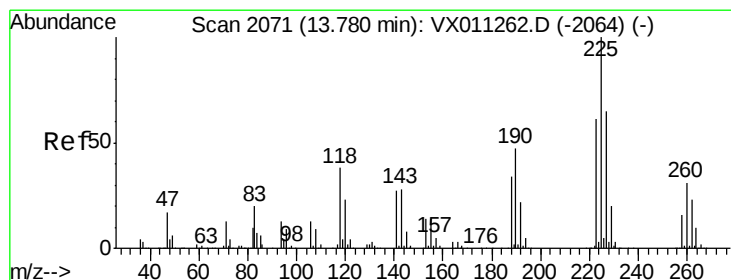
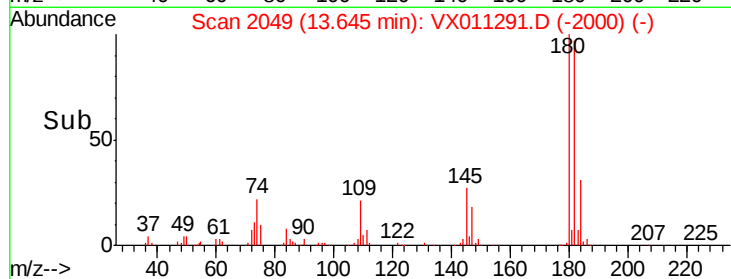
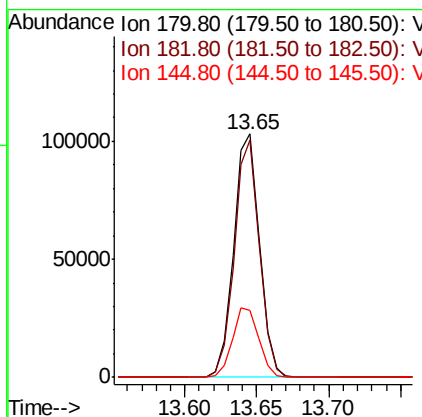
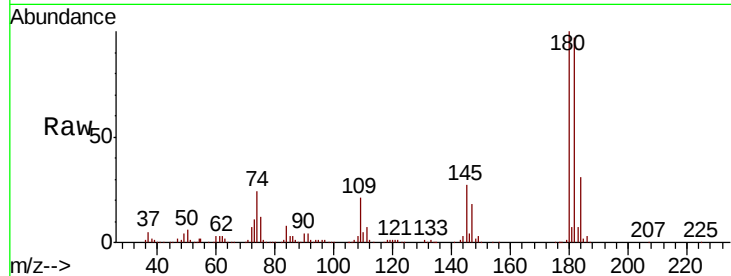
#93
 1,2,4-Trichlorobenzene
 Concen: 48.699 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128962		
182	94.7	47.8	143.4	
145	29.3	14.8	44.3	

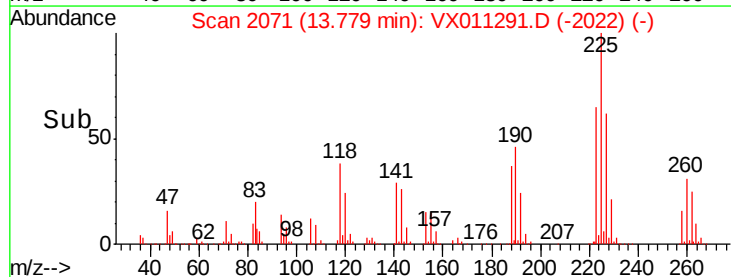
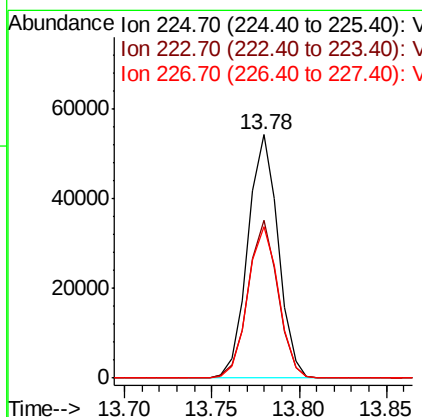
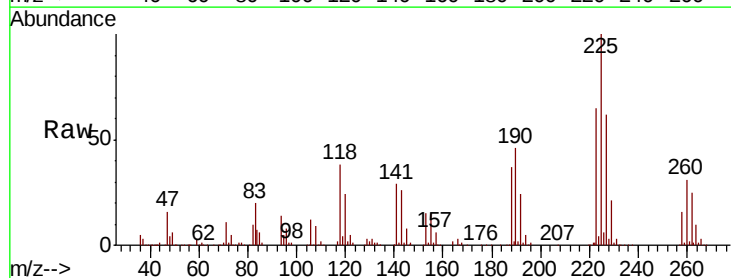
Manual Integrations
 APPROVED

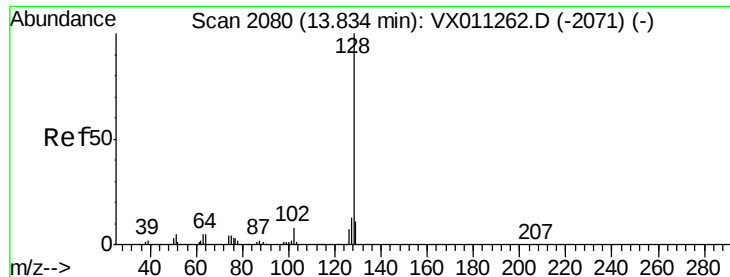
MMDadoda
 8/6/2019 12:11:36 PM



#94
 Hexachlorobutadiene
 Concen: 48.499 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011291.D
 Acq: 02 Aug 2019 09:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65161		
223	63.7	31.0	93.0	
227	63.0	32.2	96.6	





#95

Naphthalene

Concen: 48.803 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Instrument :

MSVOA_X

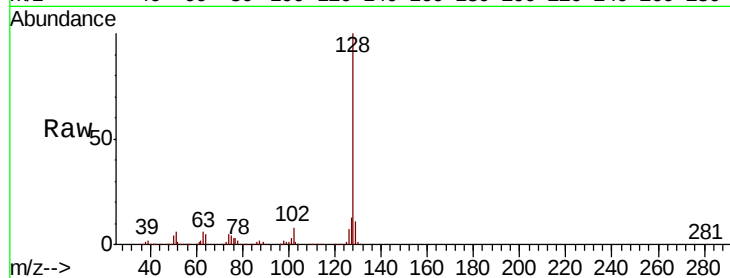
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	377945
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/6/2019 12:11:36 PM



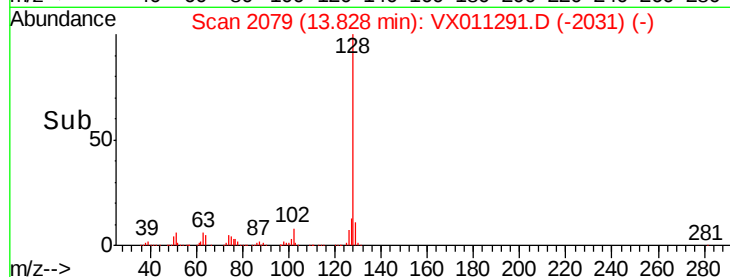
Abundance

Ion 128.00 (127.70 to 128.70): V

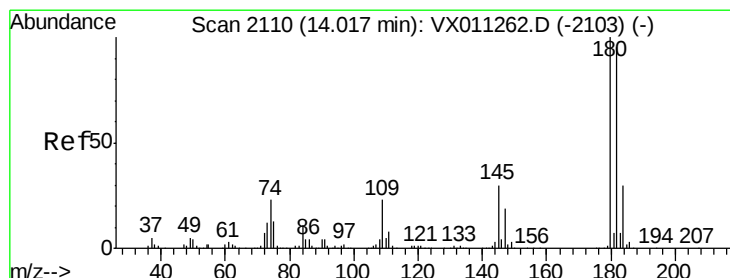
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 47.015 ug/l

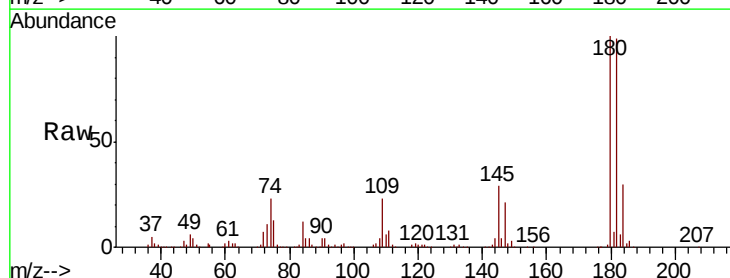
RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011291.D

Acq: 02 Aug 2019 09:37

Tgt Ion:	180	Resp:	126573
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.4	142.3
145	30.2	15.2	45.6



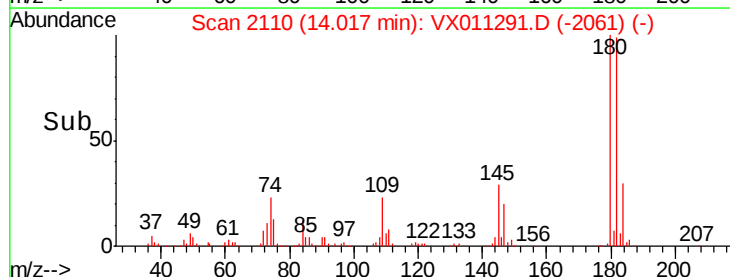
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

14.02



Time-->