

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
 Data File : VX011693.D
 Acq On : 20 Aug 2019 18:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:33:37 AM

Quant Time: Aug 21 00:27:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	372029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	520096	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	472262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	257646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	142929	41.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.86%	
35) Dibromofluoromethane	5.49	113	135882	39.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.88%	
50) Toluene-d8	8.71	98	424422	40.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.08%	
62) 4-Bromofluorobenzene	11.13	95	184401	41.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	167216	45.727	ug/l	99
3) Chloromethane	1.32	50	129771	34.167	ug/l	100
4) Vinyl Chloride	1.40	62	134657	39.248	ug/l	97
5) Bromomethane	1.63	94	65576	42.656	ug/l	98
6) Chloroethane	1.71	64	76818	47.307	ug/l	97
7) Trichlorofluoromethane	1.92	101	216586	45.576	ug/l	97
8) Diethyl Ether	2.18	74	74728	45.841	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	137454	41.876	ug/l	96
10) Methyl Iodide	2.50	142	141974	30.363	ug/l	96
11) Tert butyl alcohol	3.04	59	189739	224.171	ug/l	99
12) 1,1-Dichloroethene	2.36	96	129742	40.901	ug/l	98
13) Acrolein	2.29	56	63258	243.239	ug/l	96
14) Allyl chloride	2.72	41	225123	42.663	ug/l	96
15) Acrylonitrile	3.14	53	431535	222.766	ug/l	100
16) Acetone	2.43	43	375167	216.264	ug/l	99
17) Carbon Disulfide	2.56	76	288651	38.617	ug/l	99
18) Methyl Acetate	2.76	43	247523	46.007	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	475731	46.048	ug/l	98
20) Methylene Chloride	2.85	84	151674	41.642	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	142069	42.263	ug/l	98
22) Diisopropyl ether	3.85	45	465301	44.277	ug/l	99
23) Vinyl Acetate	3.81	43	1871770	224.929	ug/l	100
24) 1,1-Dichloroethane	3.69	63	256390	43.152	ug/l	98
25) 2-Butanone	4.67	43	613748	225.358	ug/l	98
26) 2,2-Dichloropropane	4.57	77	201280	45.011	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	173281	44.219	ug/l	99
28) Bromochloromethane	5.01	49	111444	42.728	ug/l	99
29) Tetrahydrofuran	5.12	42	400853	224.380	ug/l	99
30) Chloroform	5.20	83	277885	44.317	ug/l	99
31) Cyclohexane	5.57	56	224815	43.947	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	244375	45.325	ug/l	99
36) 1,1-Dichloropropene	5.79	75	197406	44.393	ug/l	99
37) Ethyl Acetate	4.82	43	228324	44.642	ug/l	100
38) Carbon Tetrachloride	5.78	117	216093	44.108	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	237329	43.218	ug/l	99
40) Benzene	6.13	78	598113	43.283	ug/l	99
41) Methacrylonitrile	5.03	41	127391	45.255	ug/l	99
42) 1,2-Dichloroethane	6.18	62	218952	45.732	ug/l	100
43) Isopropyl Acetate	6.44	43	354940	44.468	ug/l	99
44) Trichloroethene	7.21	130	180041	43.920	ug/l	99
45) 1,2-Dichloropropane	7.51	63	153009	44.399	ug/l	100
46) Dibromomethane	7.66	93	109137	43.579	ug/l	98
47) Bromodichloromethane	7.90	83	204471	44.467	ug/l	99
48) Methyl methacrylate	7.77	41	181779	45.988	ug/l	99
49) 1,4-Dioxane	7.74	88	92890	883.533	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1176725	225.231	ug/l	100
52) Toluene	8.78	92	379577	43.116	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	223715	46.878	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	235333	45.060	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	165129	44.108	ug/l	99
56) Ethyl methacrylate	9.18	69	252983	46.493	ug/l	99
57) 1,3-Dichloropropane	9.37	76	262634	44.132	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	586861	216.456	ug/l	99
59) 2-Hexanone	9.49	43	923702	229.268	ug/l	99
60) Dibromochloromethane	9.58	129	181083	46.424	ug/l	99
61) 1,2-Dibromoethane	9.67	107	179740	44.985	ug/l	99
64) Tetrachloroethene	9.34	164	176045	45.433	ug/l	99
65) Chlorobenzene	10.13	112	441818	43.862	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	170906	45.394	ug/l	100
67) Ethyl Benzene	10.25	91	754206	44.865	ug/l	100
68) m/p-Xylenes	10.35	106	589531	91.360	ug/l	98
69) o-Xylene	10.69	106	284634	45.031	ug/l	99
70) Styrene	10.71	104	491869	46.226	ug/l	99
71) Bromoform	10.85	173	147280	40.897	ug/l	99
73) Isopropylbenzene	11.02	105	768331	45.958	ug/l	100
74) N-amyl acetate	10.90	43	315370	44.389	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	253751	44.122	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	219218m	44.871	ug/l	
77) Bromobenzene	11.25	156	215226	43.270	ug/l	96
78) n-propylbenzene	11.36	91	839663	46.577	ug/l	100
79) 2-Chlorotoluene	11.42	91	494059	44.632	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	655380	46.666	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	74818	42.249	ug/l	98
82) 4-Chlorotoluene	11.51	91	591453	46.054	ug/l	99
83) tert-Butylbenzene	11.77	119	632578	44.226	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	649969	46.100	ug/l	98
85) sec-Butylbenzene	11.94	105	746469	46.256	ug/l	100
86) p-Isopropyltoluene	12.06	119	711295	46.852	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	380073	44.455	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	375044	43.281	ug/l	99
89) n-Butylbenzene	12.38	91	582495	46.668	ug/l	100
90) Hexachloroethane	12.59	117	110430	46.062	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	371407	43.276	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	58918	44.779	ug/l	99

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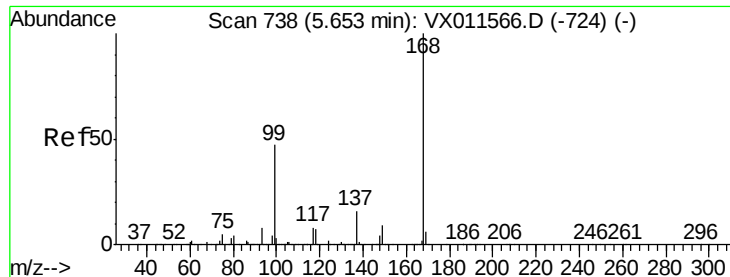
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	299080	46.770	ug/l	98
94) Hexachlorobutadiene	13.78	225	156160	44.848	ug/l	99
95) Naphthalene	13.83	128	895228	49.520	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	305761	47.406	ug/l	99

(#) = 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: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 372029

Ion Ratio Lower Upper

168 100

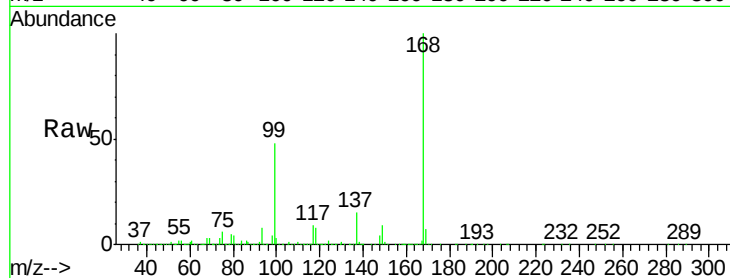
99 48.1 37.3 55.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

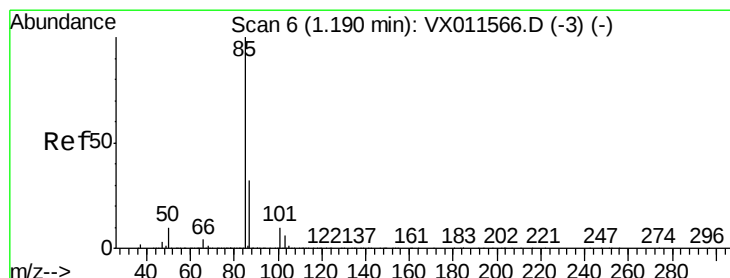
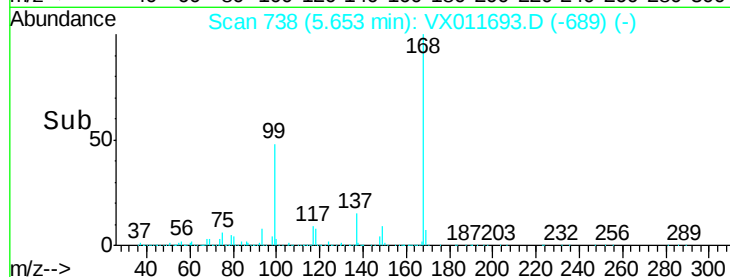
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.727 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011693.D

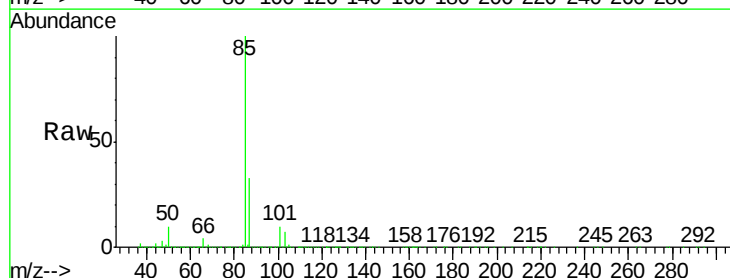
Acq: 20 Aug 2019 18:33

Tgt Ion: 85 Resp: 167216

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

200000

150000

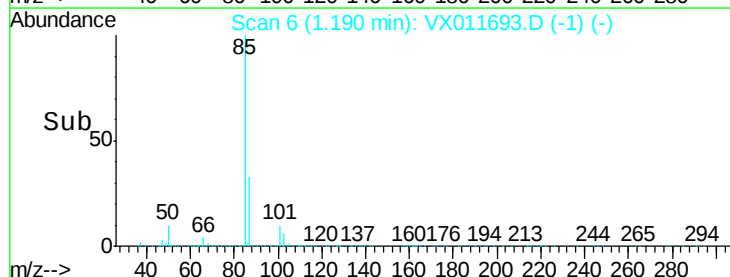
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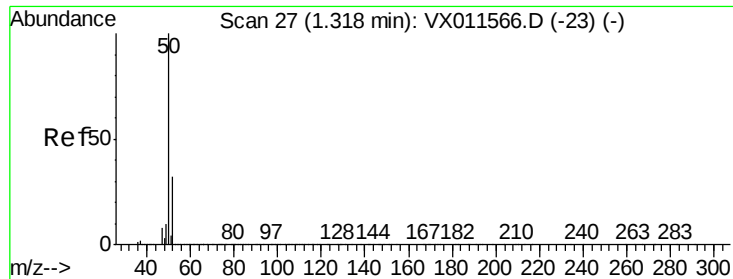
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 34.167 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 129771

Ion Ratio Lower Upper

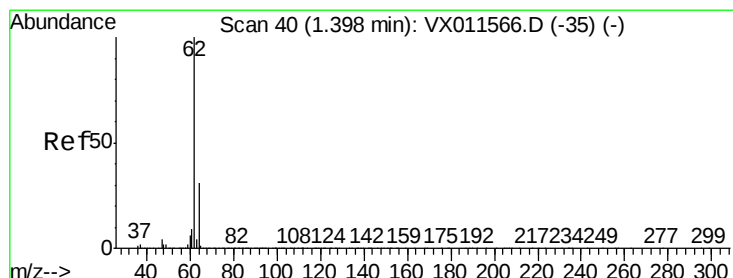
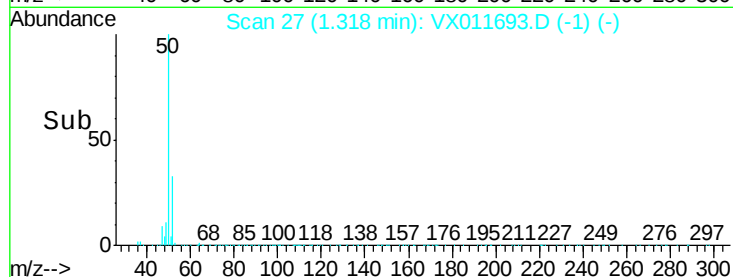
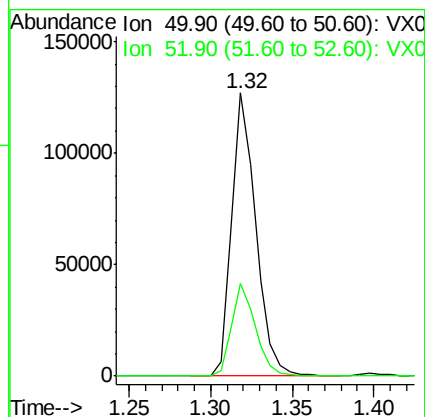
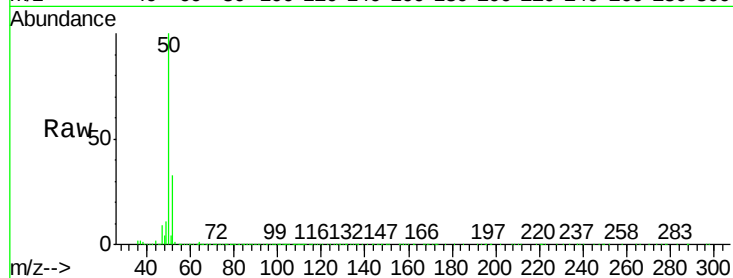
50 100

52 32.6 26.0 39.0

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#4

Vinyl Chloride

Concen: 39.248 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011693.D

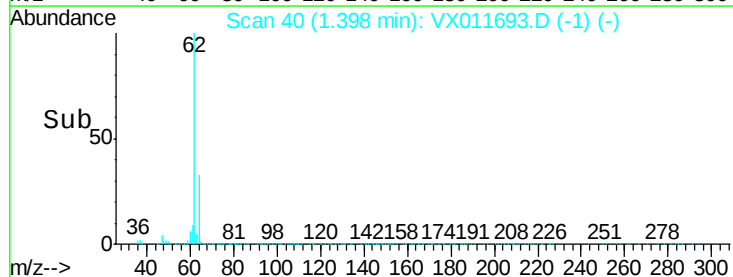
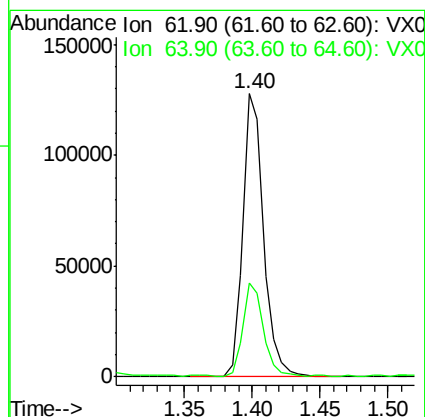
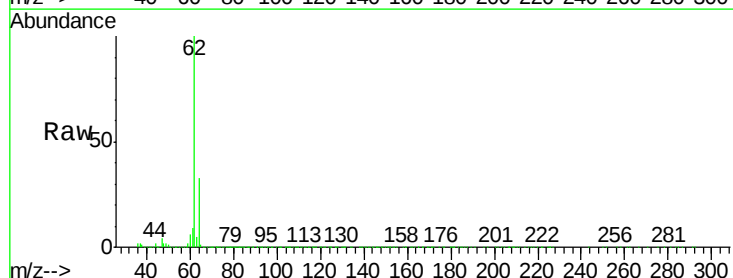
Acq: 20 Aug 2019 18:33

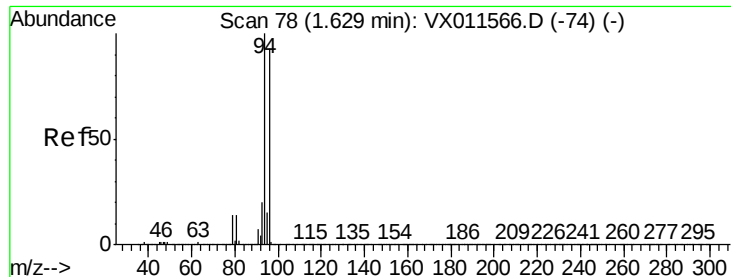
Tgt Ion: 62 Resp: 134657

Ion Ratio Lower Upper

62 100

64 32.8 25.0 37.4





#5

Bromomethane

Concen: 42.656 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65576

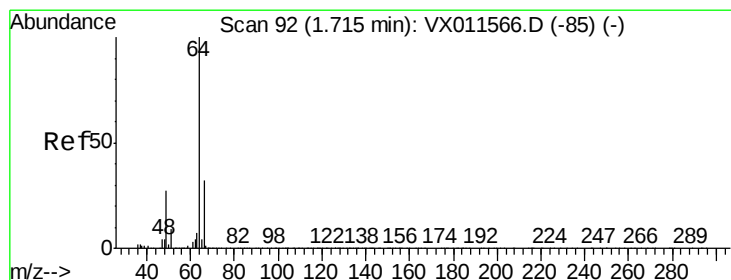
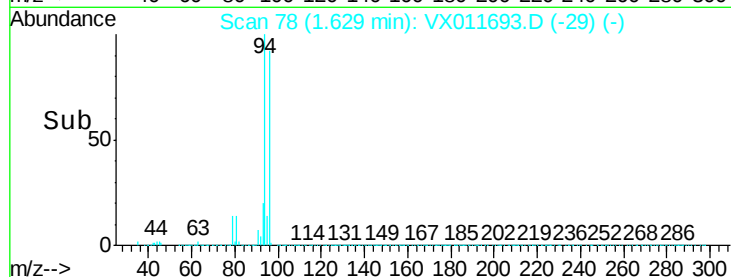
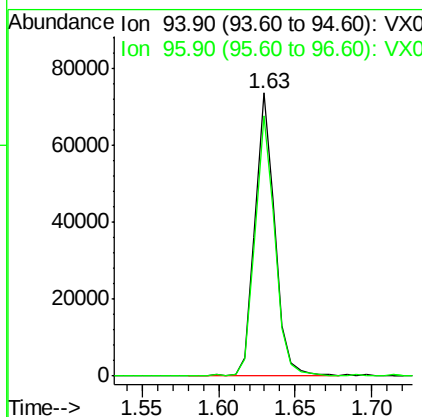
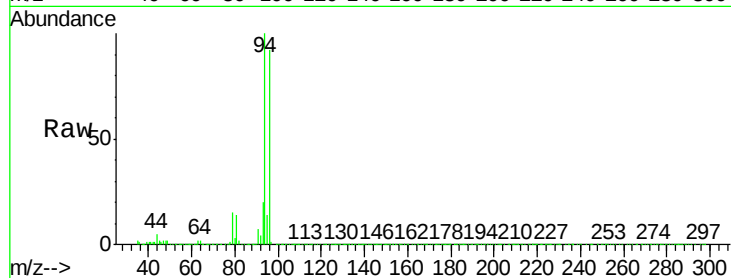
Ion Ratio Lower Upper

94 100

96 92.1 74.8 112.2

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#6

Chloroethane

Concen: 47.307 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011693.D

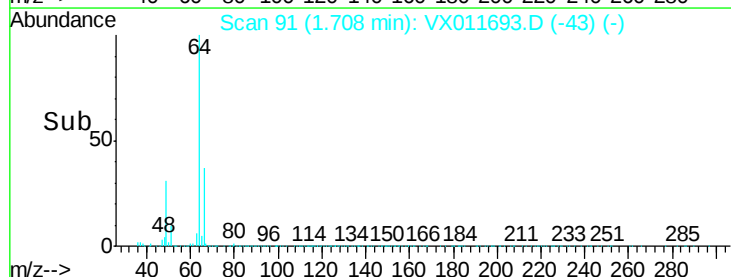
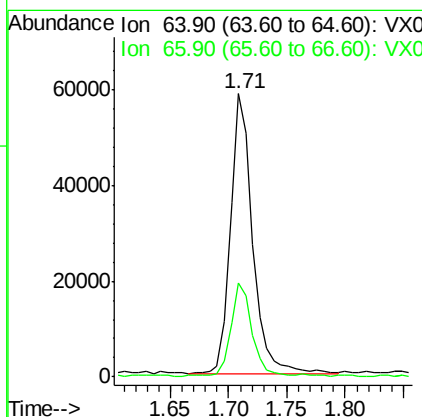
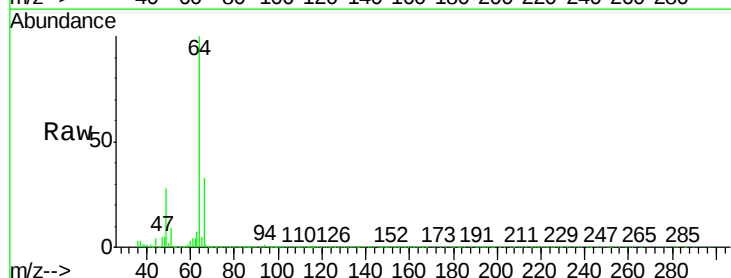
Acq: 20 Aug 2019 18:33

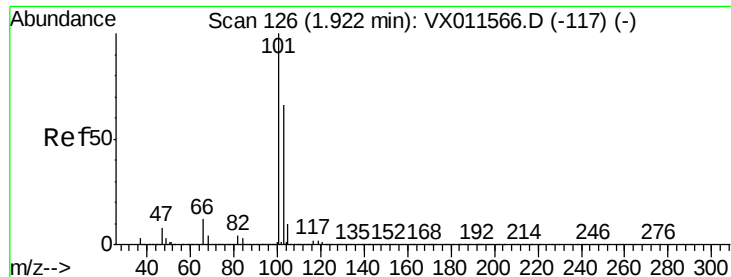
Tgt Ion: 64 Resp: 76818

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9





#7

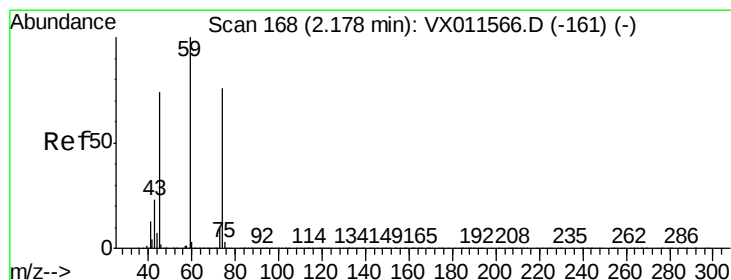
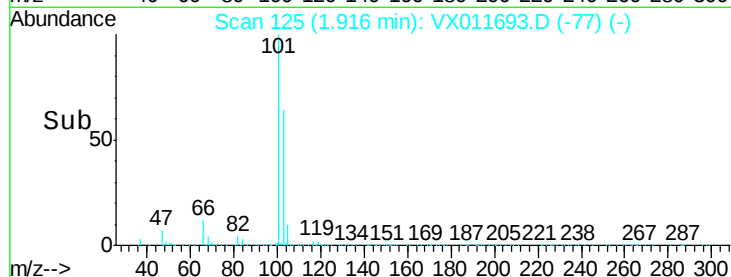
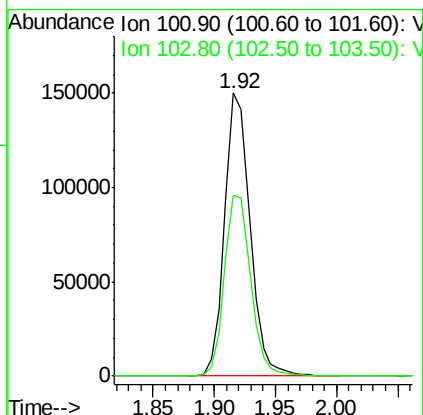
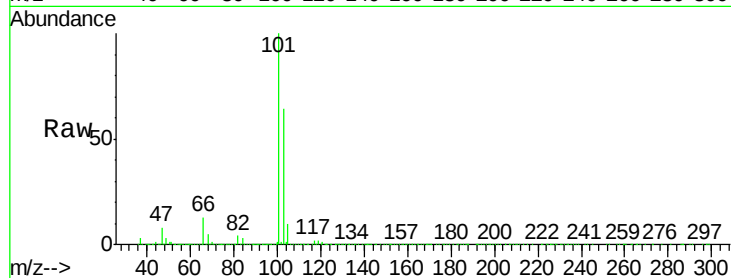
Trichlorofluoromethane
Concen: 45.576 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.9	79.3

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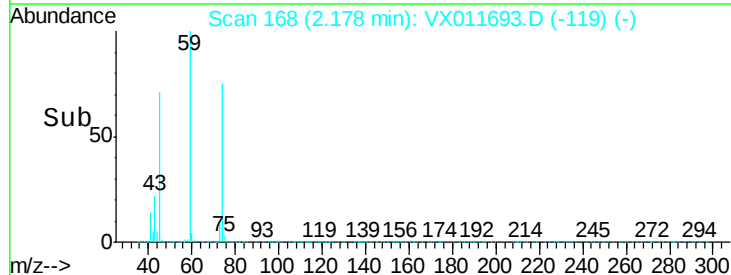
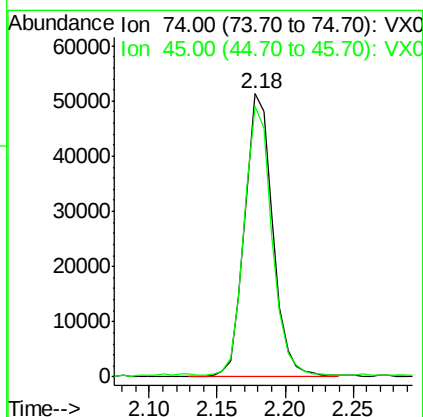
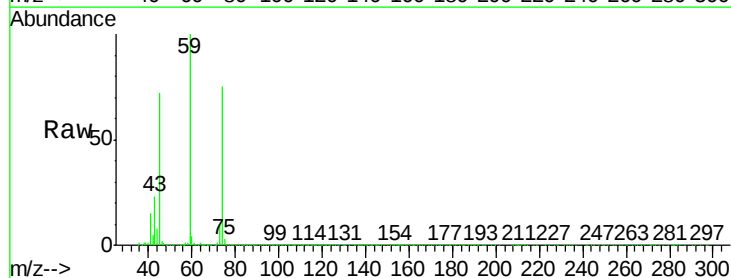
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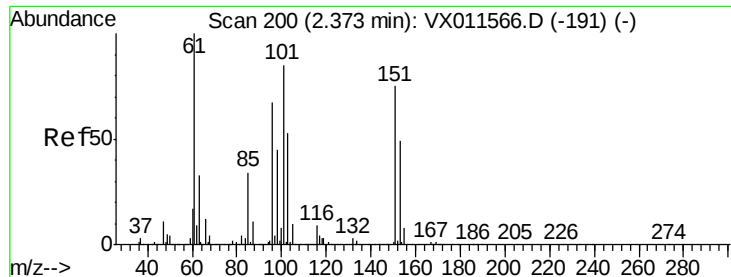


#8

Diethyl Ether
Concen: 45.841 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.876 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

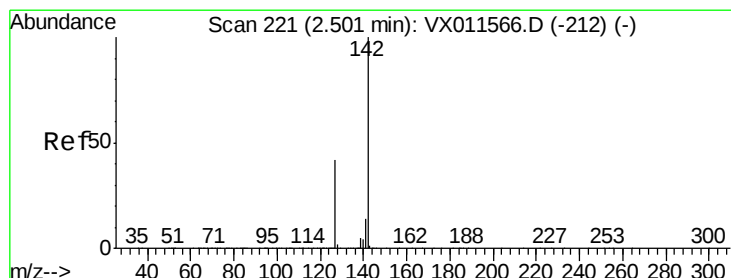
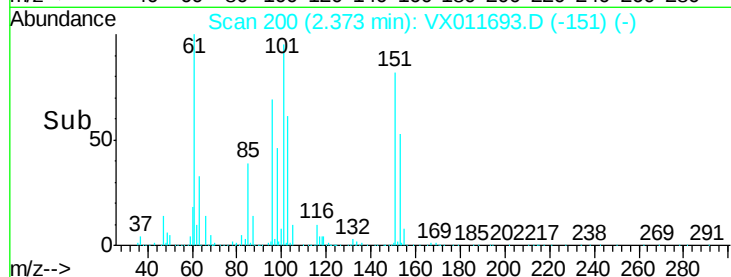
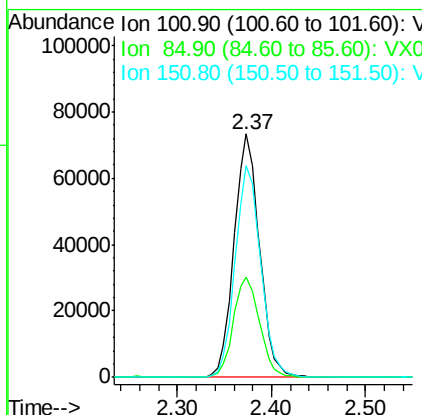
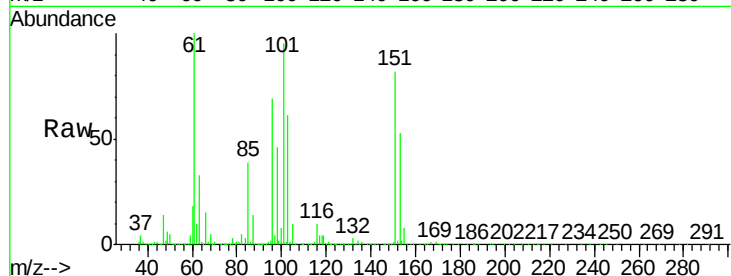
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	137454
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.0	49.4
151	87.5	73.3	109.9

Manual Integrations
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#10

Methyl Iodide

Concen: 30.363 ug/l

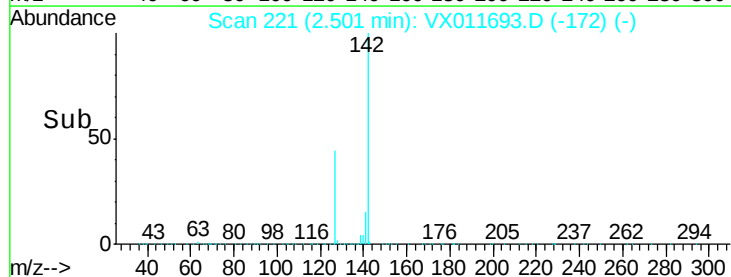
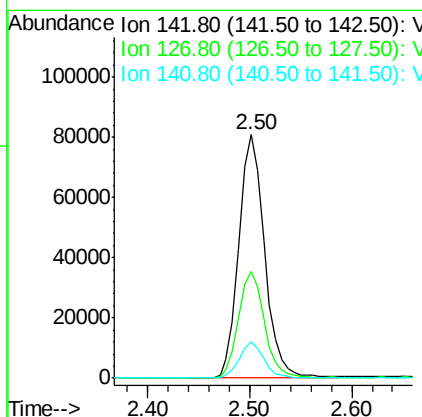
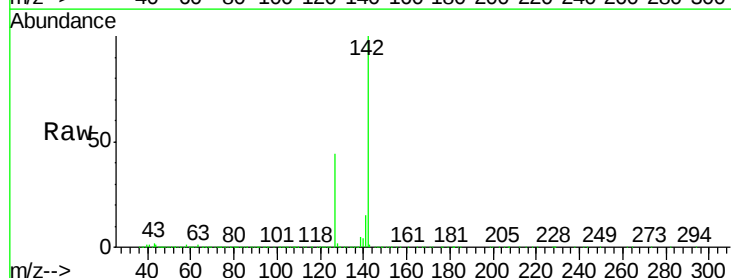
RT: 2.50 min Scan# 221

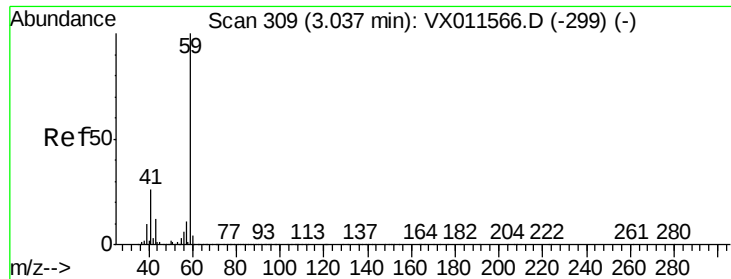
Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion:	142	Resp:	141974
Ion Ratio	Lower	Upper	
142	100		
127	44.0	32.8	49.2
141	14.4	11.4	17.2





#11

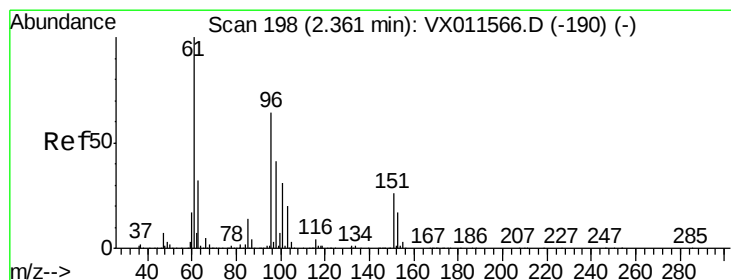
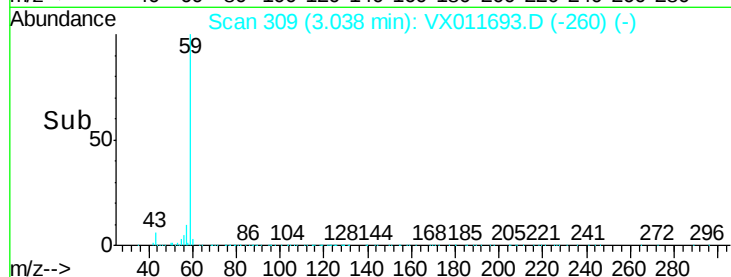
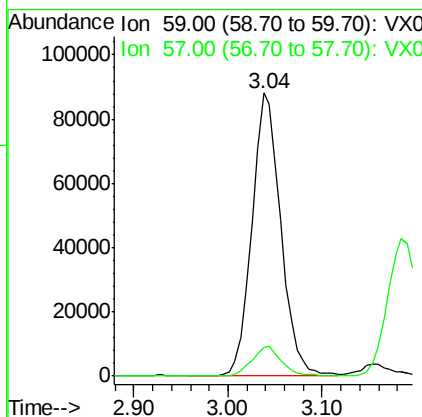
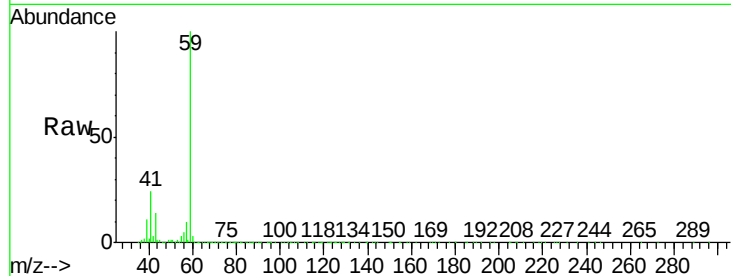
Tert butyl alcohol
Concen: 224.171 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.7	13.1

Manual Integrations
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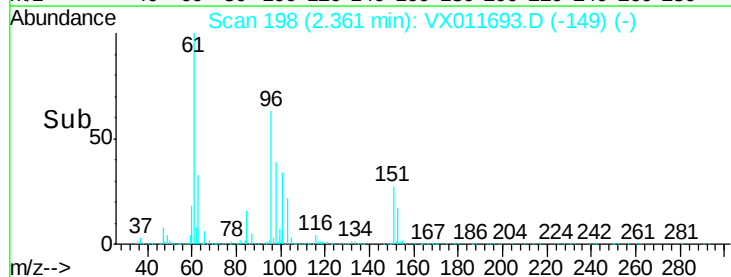
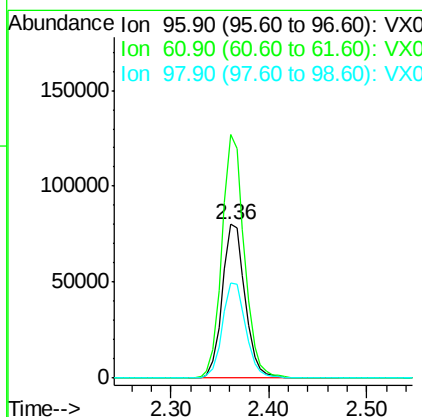
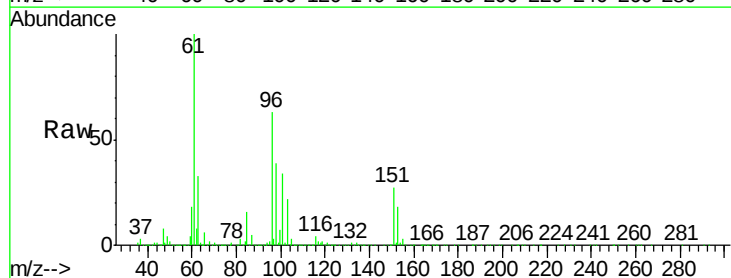
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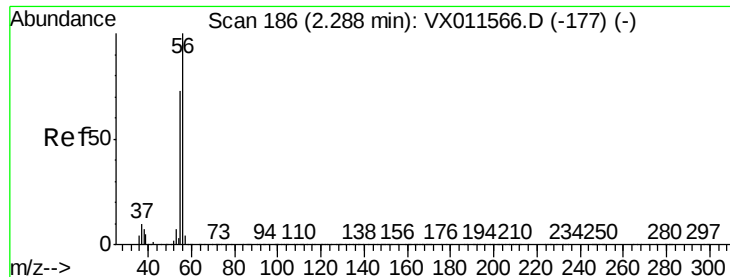


#12

1,1-Dichloroethene
Concen: 40.901 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.6	125.0	187.4
98	62.1	51.5	77.3





#13

Acrolein

Concen: 243.239 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 63258

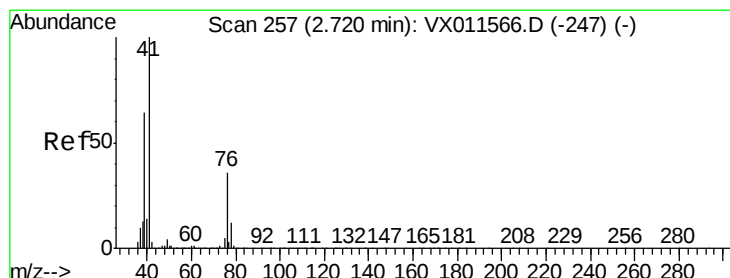
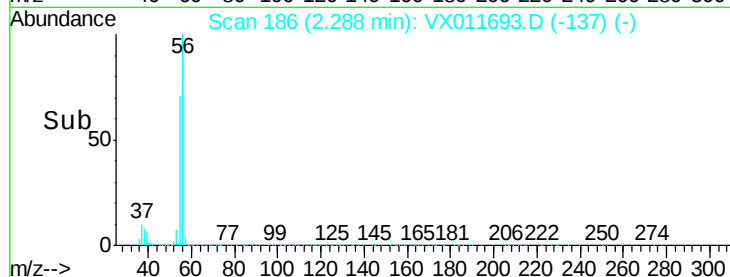
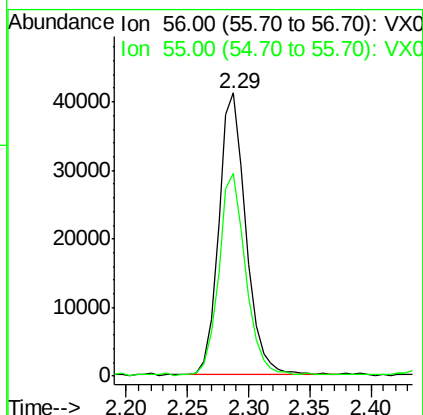
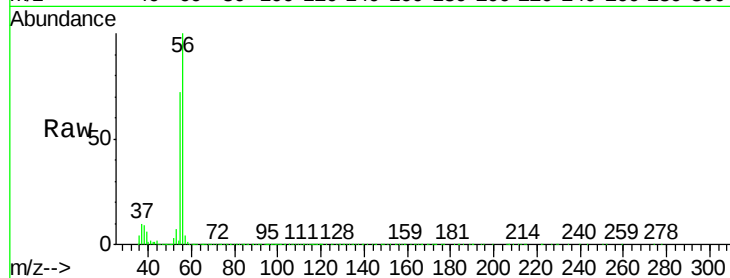
Ion Ratio Lower Upper

56 100

55 72.4 55.5 83.3

Manual Integrations
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#14

Allyl chloride

Concen: 42.663 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

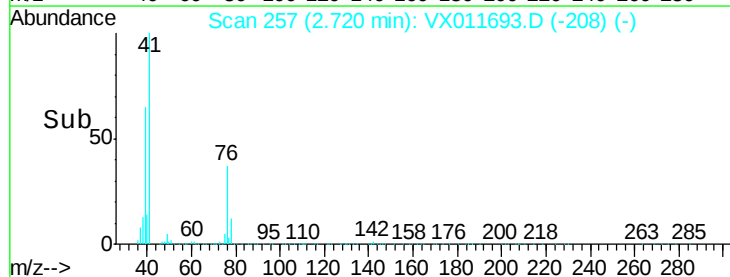
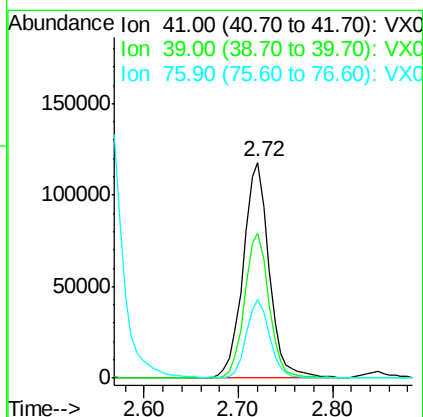
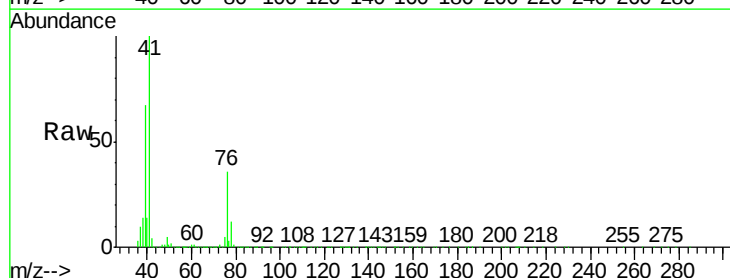
Tgt Ion: 41 Resp: 225123

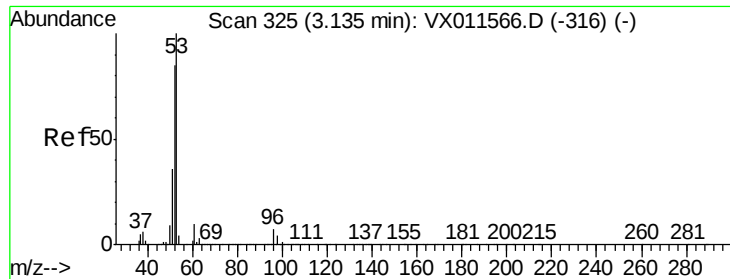
Ion Ratio Lower Upper

41 100

39 63.4 47.5 71.3

76 32.7 26.3 39.5





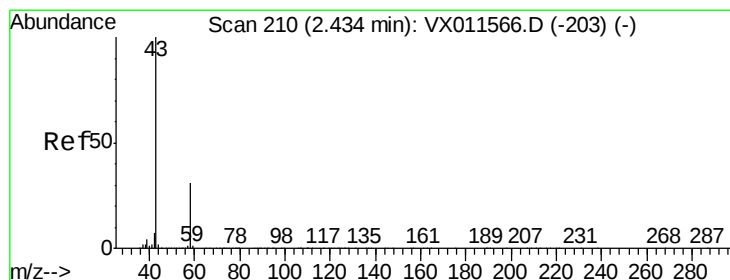
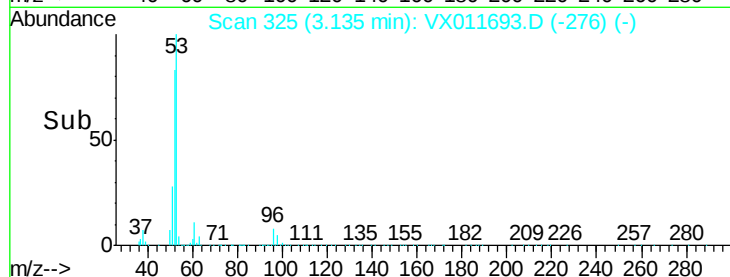
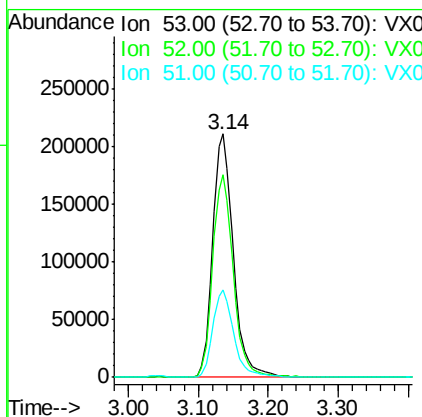
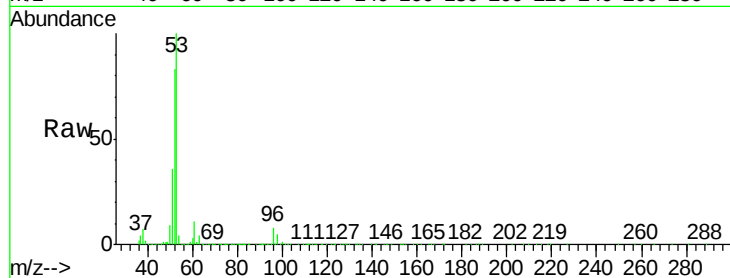
#15
 Acrylonitrile
 Concen: 222.766 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.4	66.7	100.1	
51	36.2	28.7	43.1	

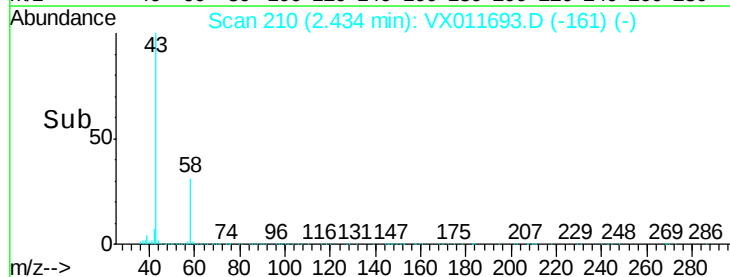
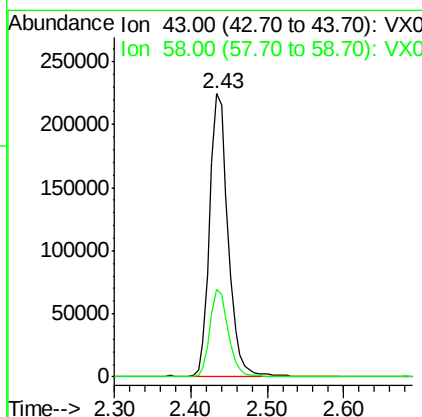
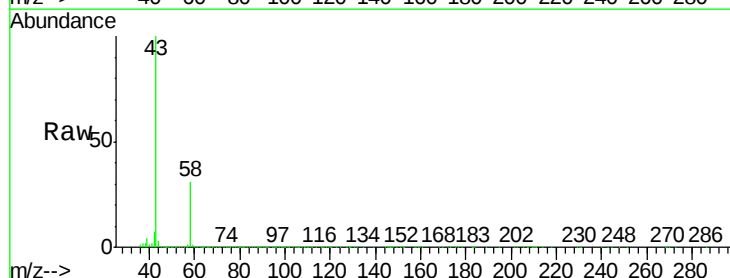
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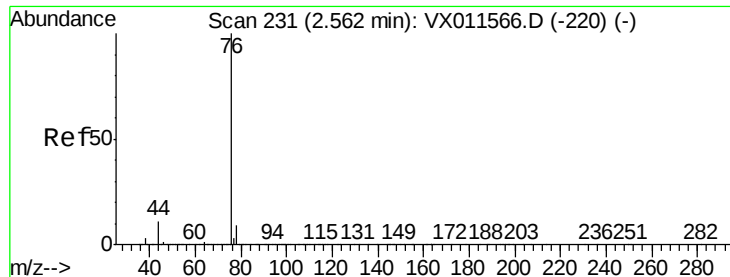
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#16
 Acetone
 Concen: 216.264 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	30.7	25.2	37.8	





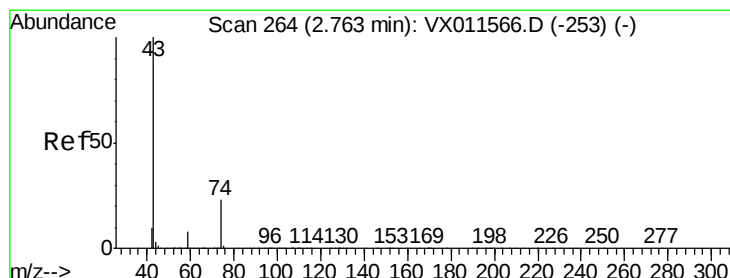
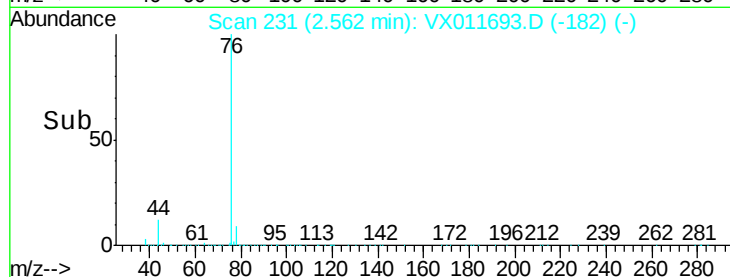
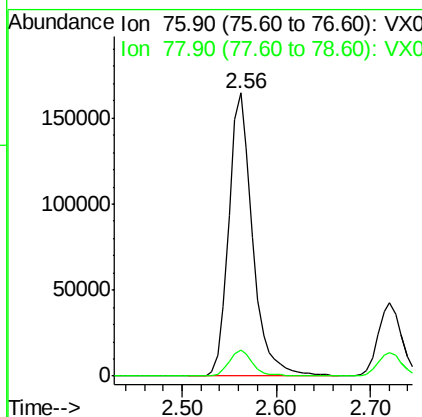
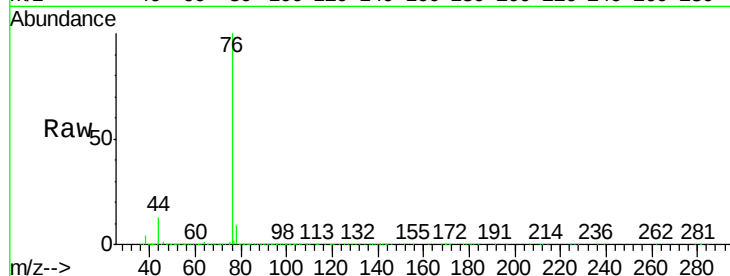
#17
Carbon Disulfide
Concen: 38.617 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

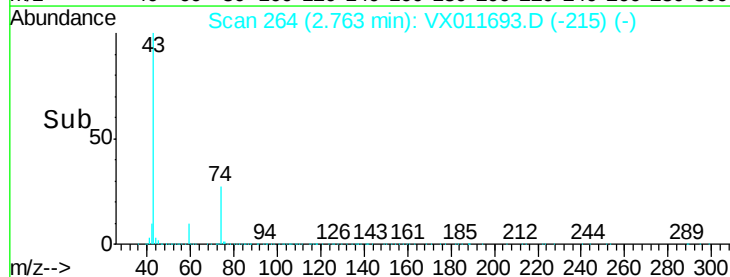
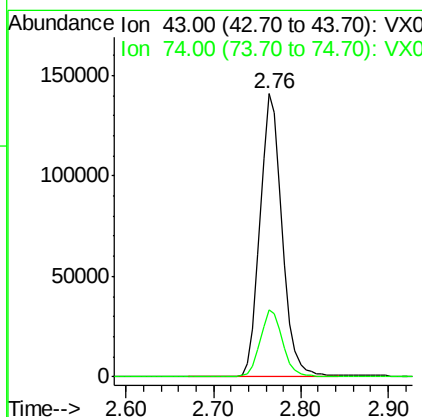
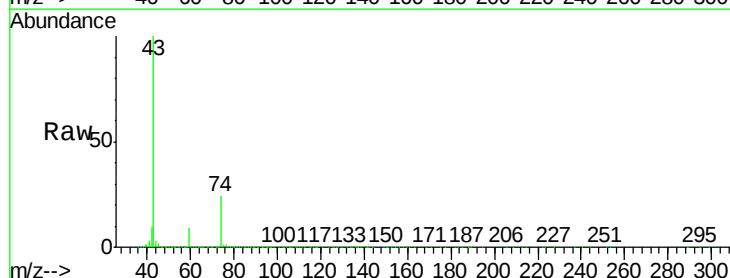
Manual Integrations
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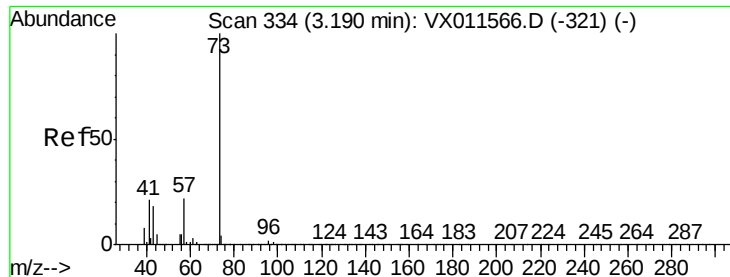
MMDadoda
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#18
Methyl Acetate
Concen: 46.007 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.7	29.5





#19

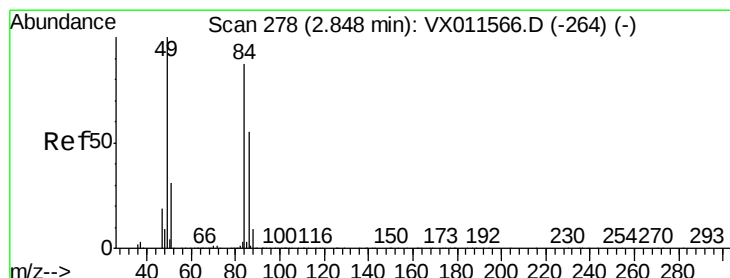
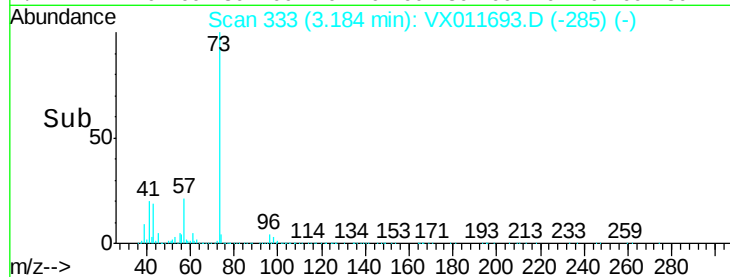
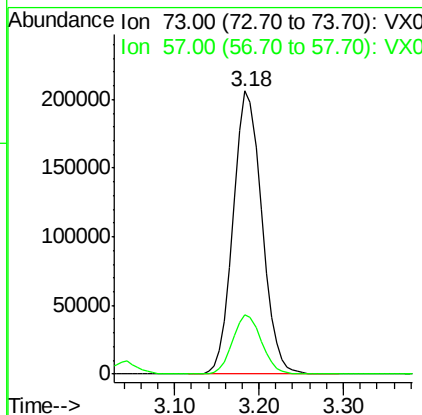
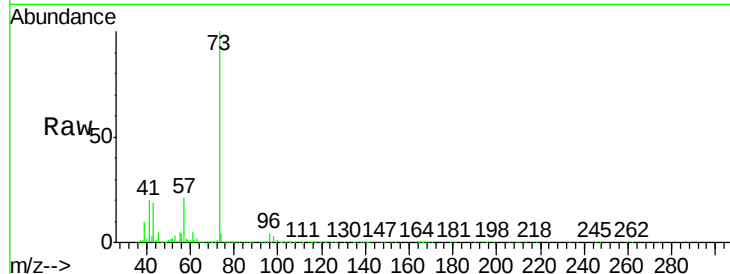
Methyl tert-butyl Ether
 Concen: 46.048 ug/l
 RT: 3.18 min Scan# 333
 Delta R.T. -0.01 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.2	25.8

Manual Integrations
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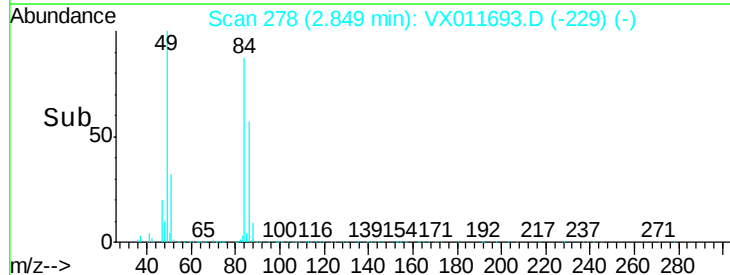
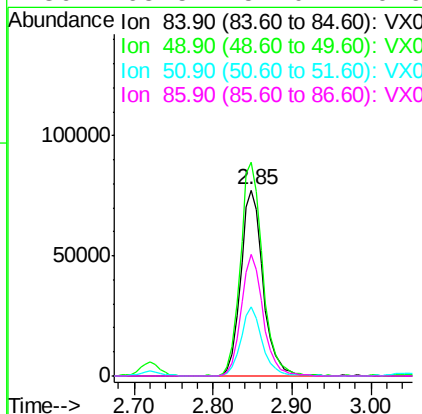
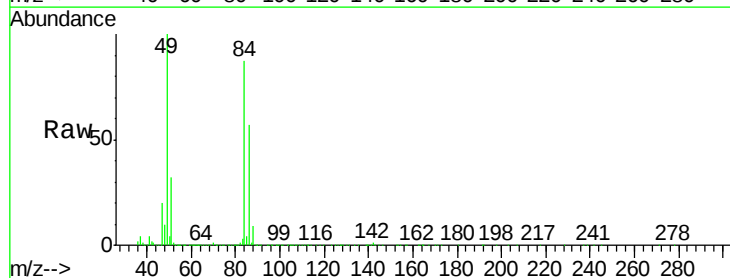
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 8/21/2019 8:33:37 AM

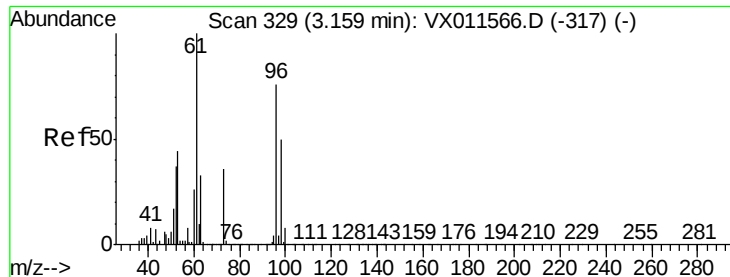


#20

Methylene Chloride
 Concen: 41.642 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.8	92.4	138.6
51	37.0	28.5	42.7
86	65.5	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 42.263 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

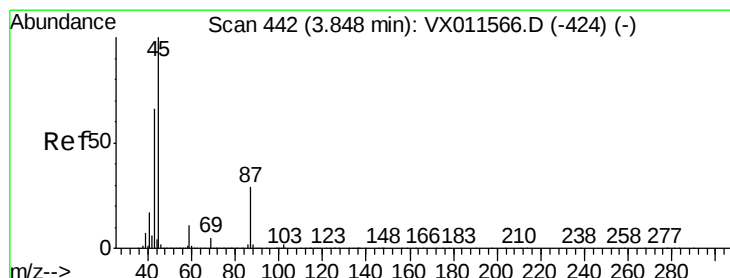
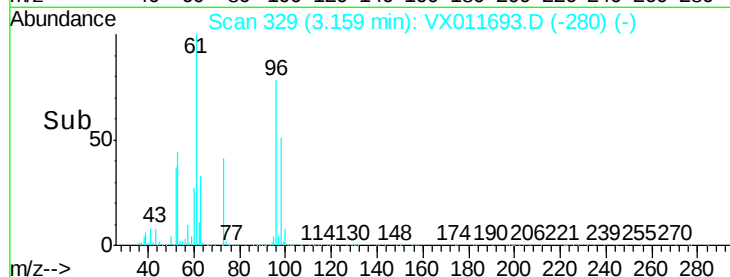
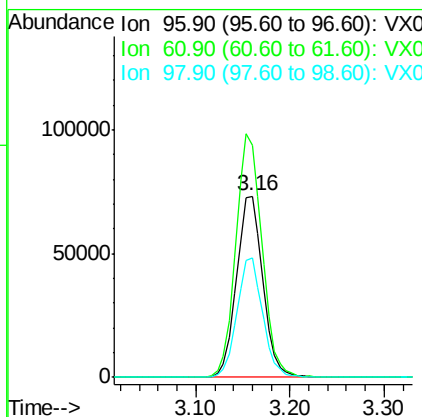
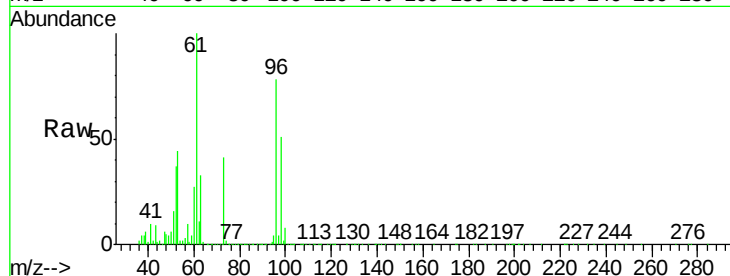
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	142069
Ion	Ratio	Lower	Upper
96	100		
61	128.0	105.5	158.3
98	65.3	52.6	78.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 44.277 ug/l

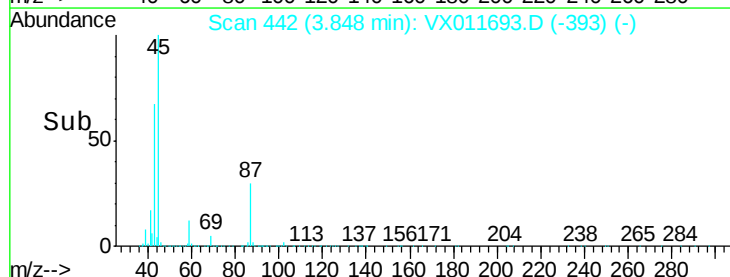
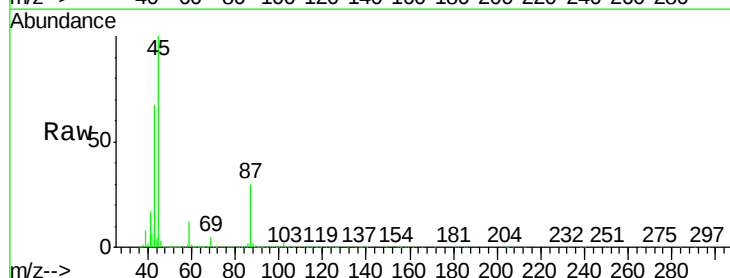
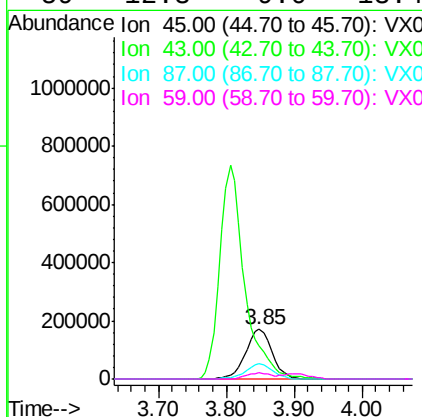
RT: 3.85 min Scan# 442

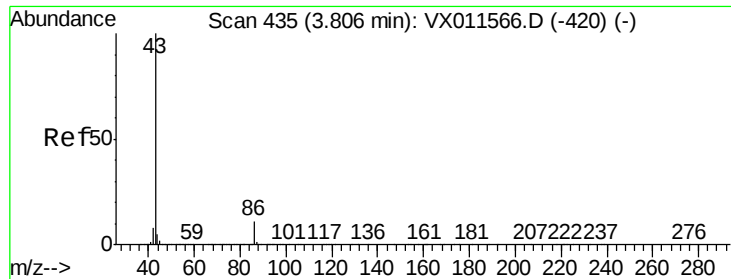
Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion:	45	Resp:	465301
Ion	Ratio	Lower	Upper
45	100		
43	66.5	52.7	79.1
87	29.7	23.5	35.3
59	12.3	9.0	13.4





#23

Vinyl Acetate

Concen: 224.929 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1871770

Ion Ratio Lower Upper

43 100

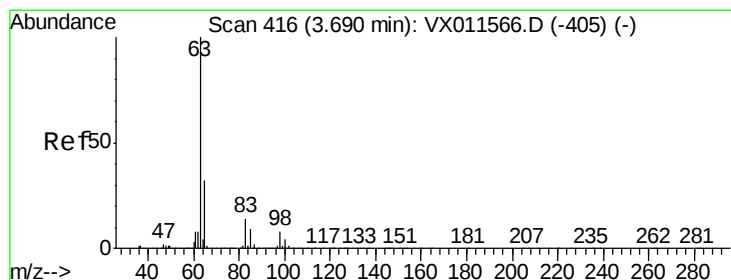
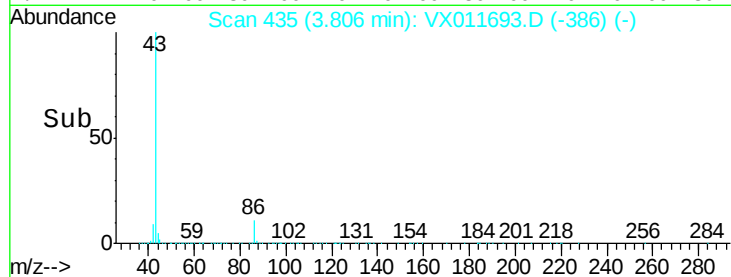
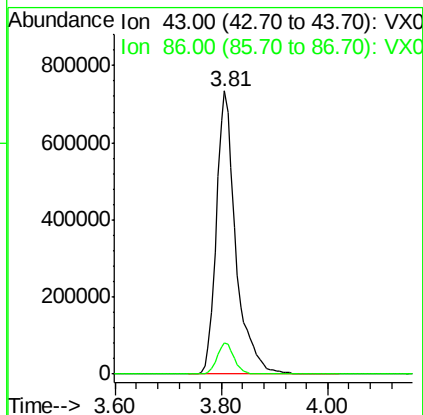
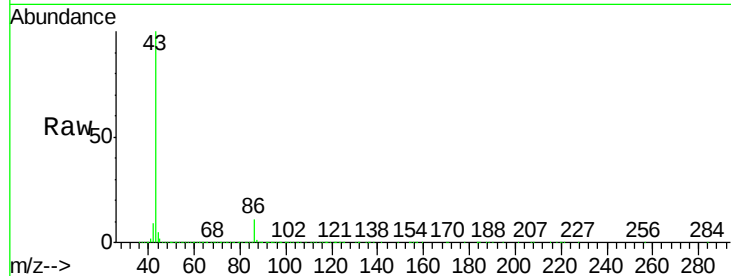
86 10.9 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 43.152 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

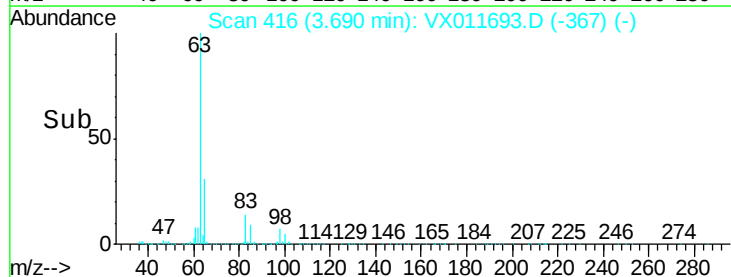
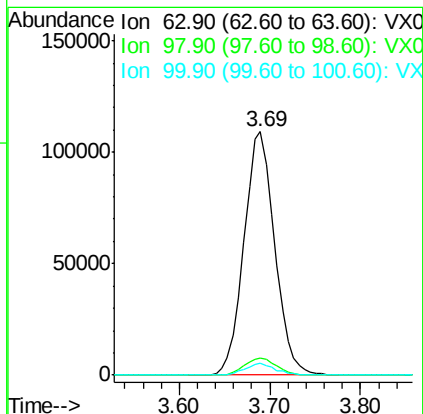
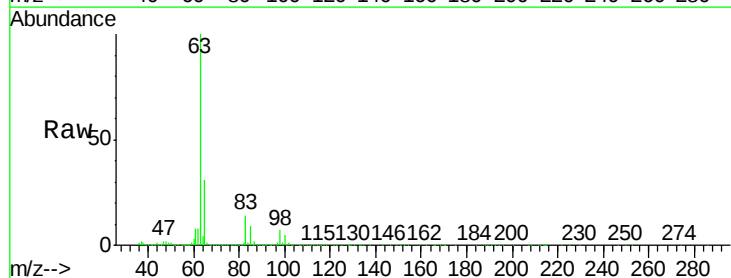
Tgt Ion: 63 Resp: 256390

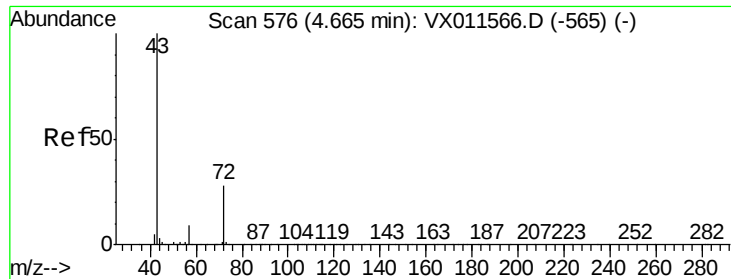
Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 225.358 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 613748

Ion Ratio Lower Upper

43 100

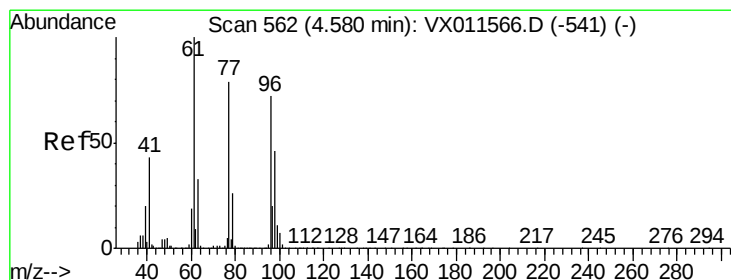
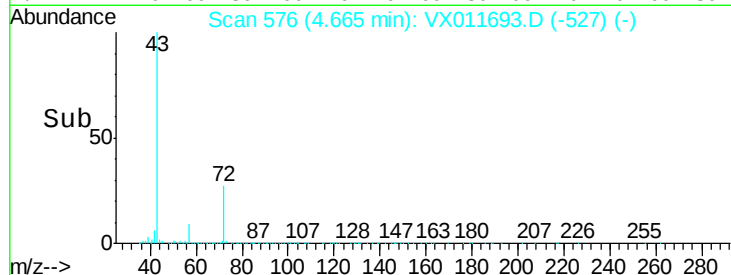
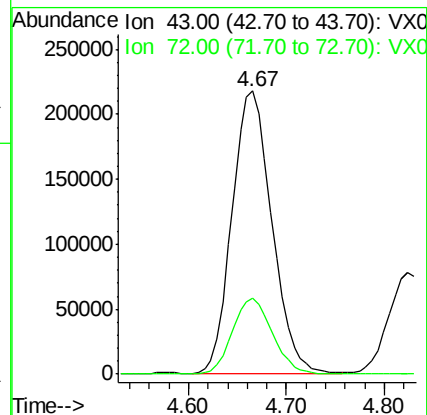
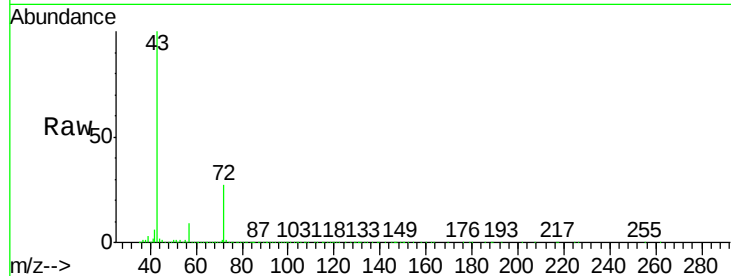
72 26.8 22.2 33.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.011 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011693.D

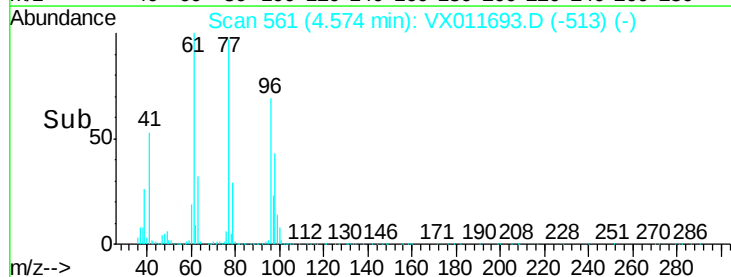
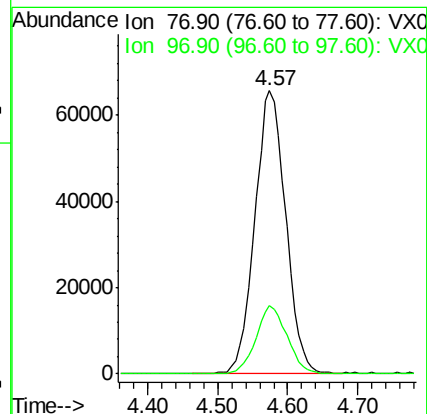
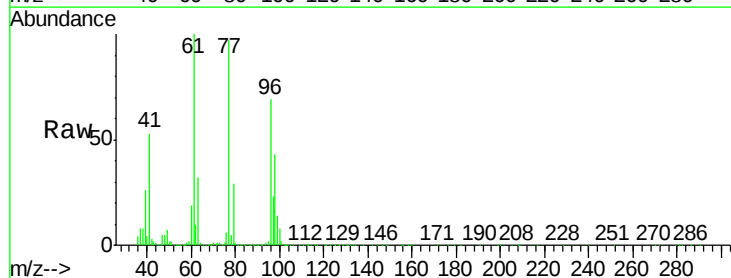
Acq: 20 Aug 2019 18:33

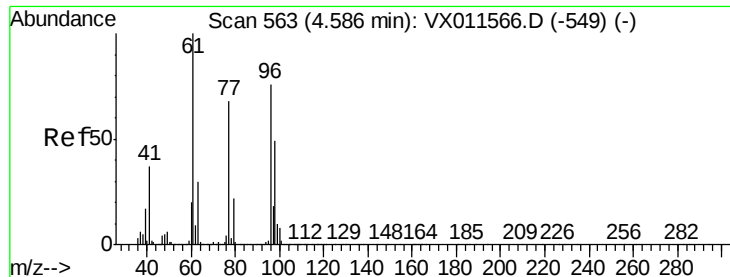
Tgt Ion: 77 Resp: 201280

Ion Ratio Lower Upper

77 100

97 23.7 12.4 37.2





#27

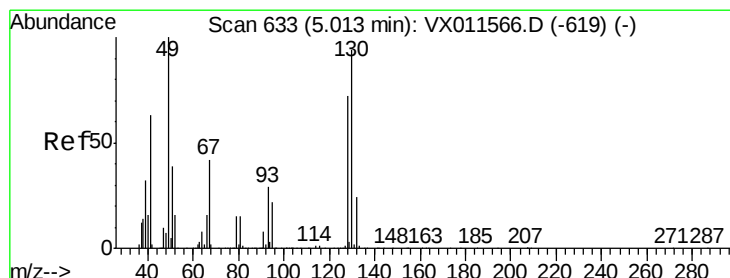
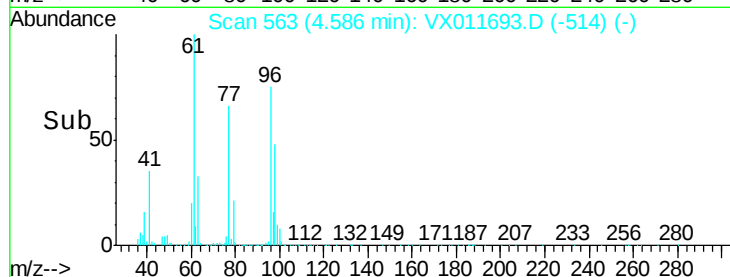
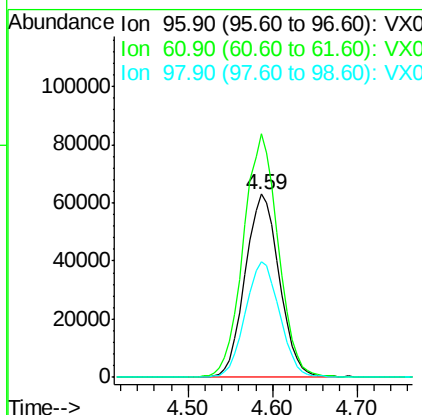
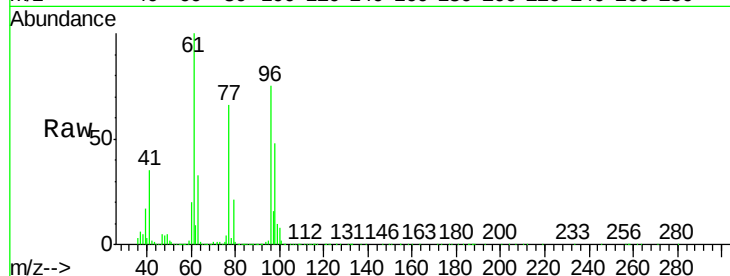
cis-1,2-Dichloroethene
Concen: 44.219 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	272.6
98	63.6	0.0	129.4

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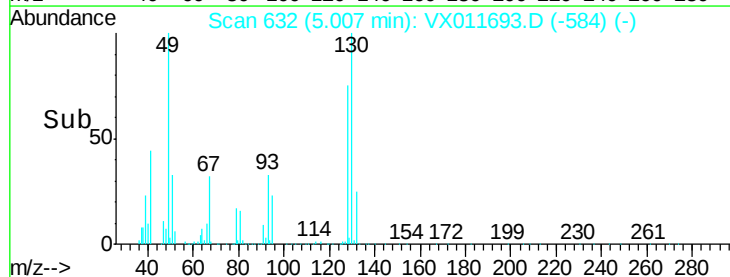
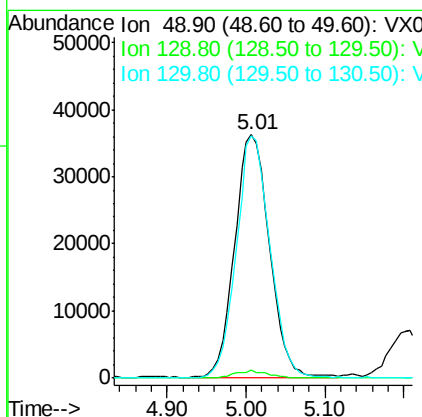
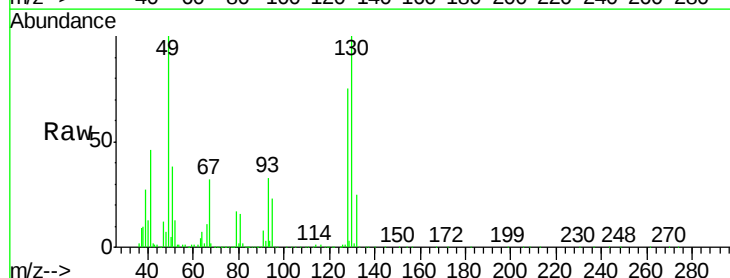
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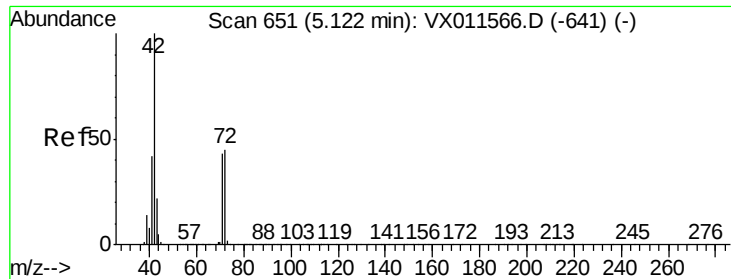


#28

Bromochloromethane
Concen: 42.728 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.0
130	96.4	76.6	115.0





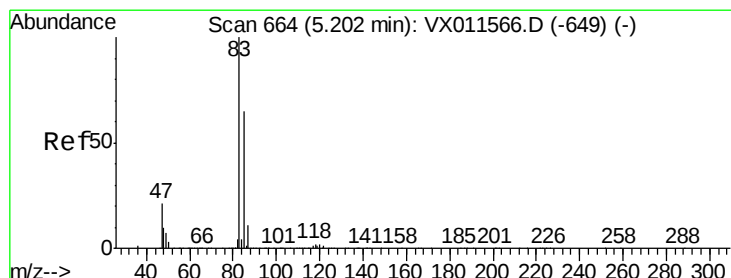
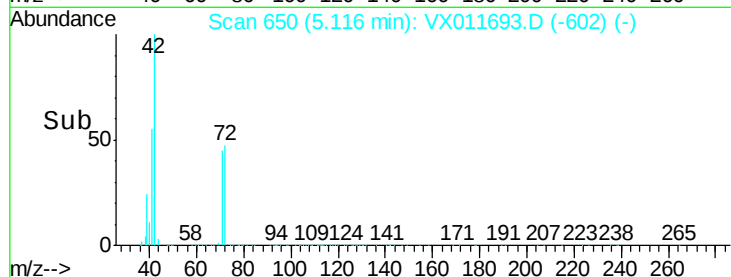
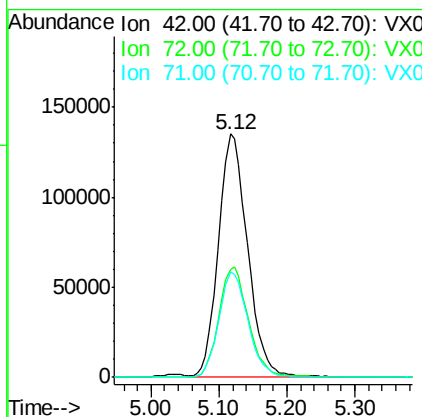
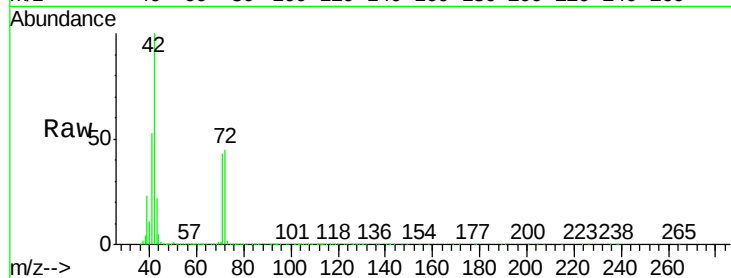
#29
Tetrahydrofuran
Concen: 224.380 ug/l
RT: 5.12 min Scan# 650
Delta R.T. -0.01 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100	400853		
72	46.2		36.1	54.1
71	42.9		33.8	50.8

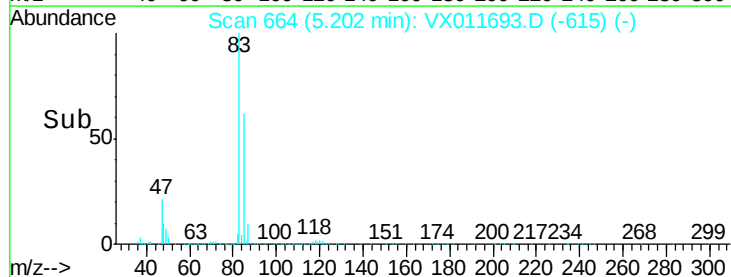
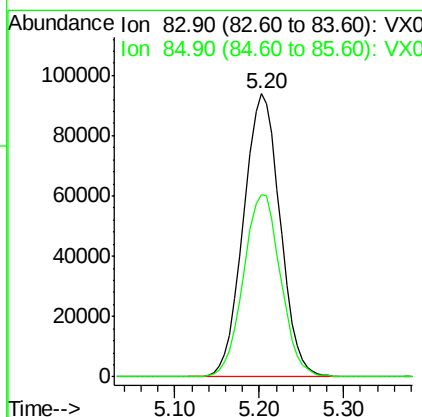
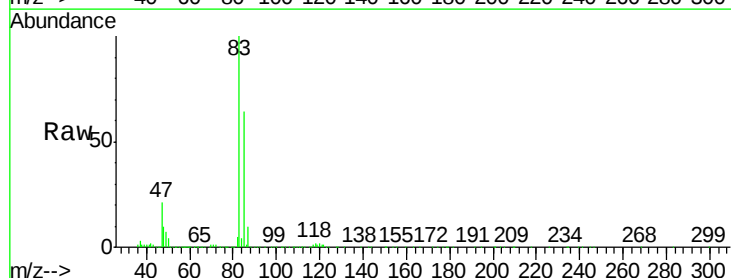
Manual Integrations
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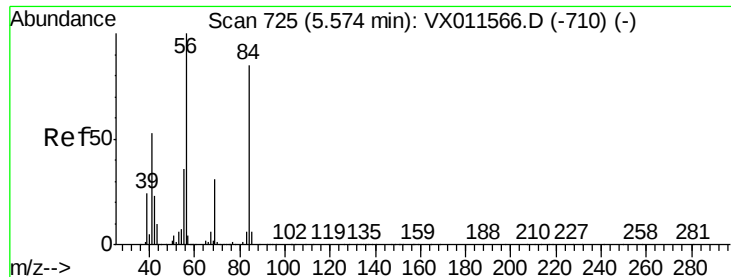
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#30
Chloroform
Concen: 44.317 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	277885		
85	64.1		51.9	77.9





#31

Cyclohexane

Concen: 43.947 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

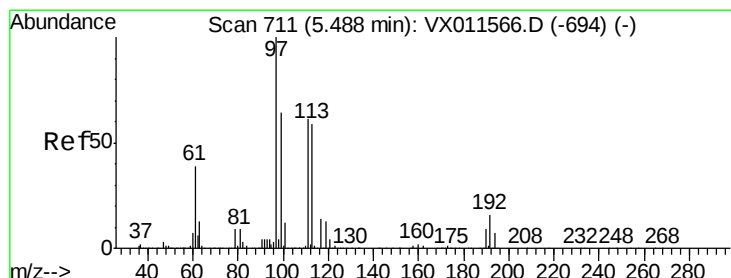
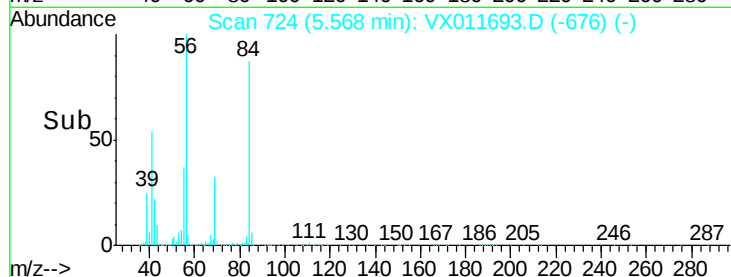
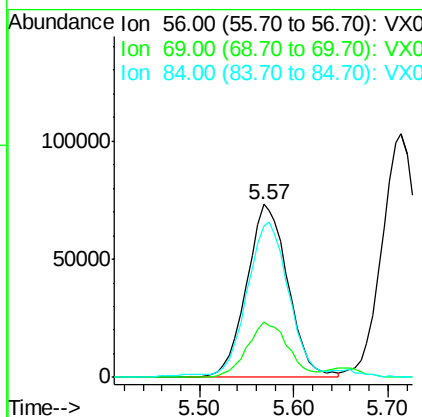
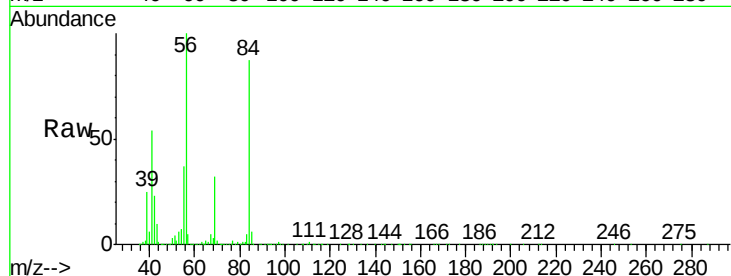
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	224815
Ion Ratio	Lower	Upper	
56	100		
69	32.3	24.8	37.2
84	85.9	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 45.325 ug/l

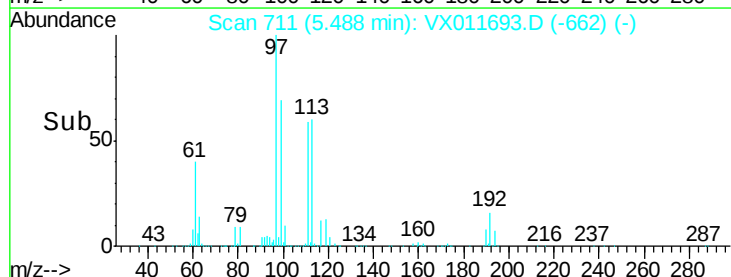
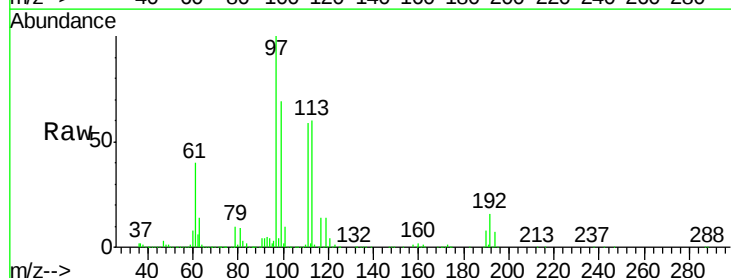
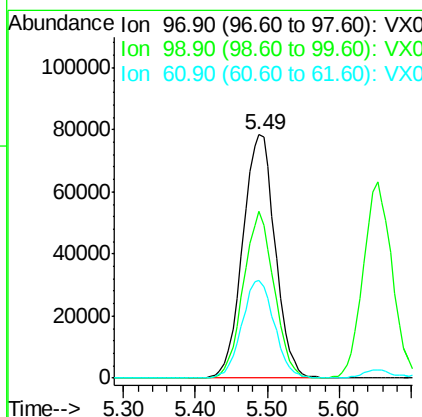
RT: 5.49 min Scan# 711

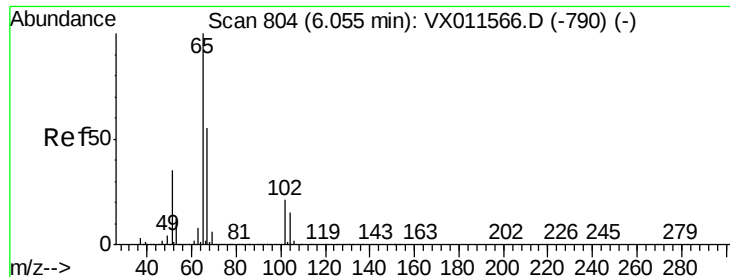
Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion:	97	Resp:	244375
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.4	77.0
61	39.7	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 41.428 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 142929

Ion Ratio Lower Upper

65 100

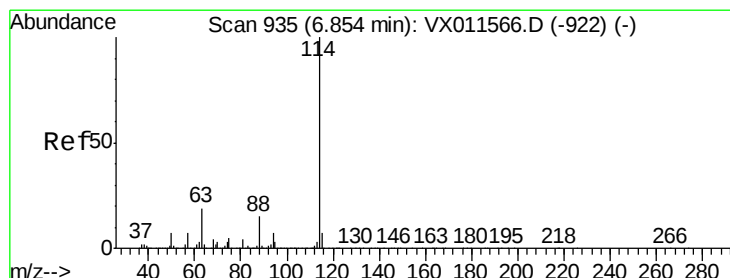
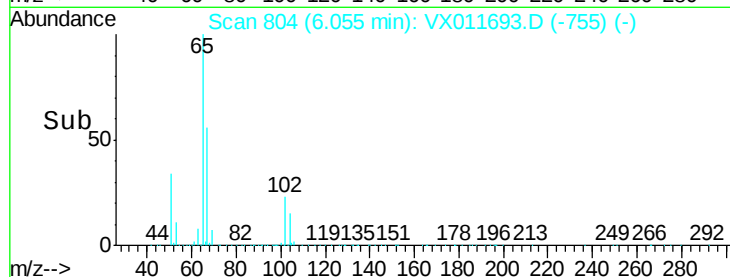
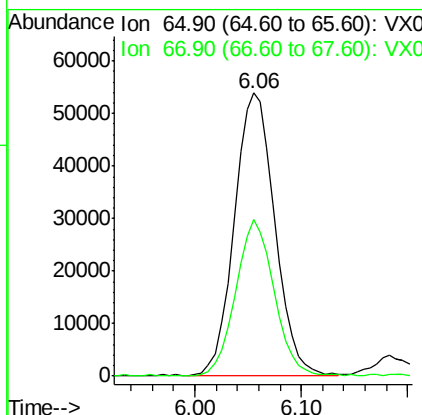
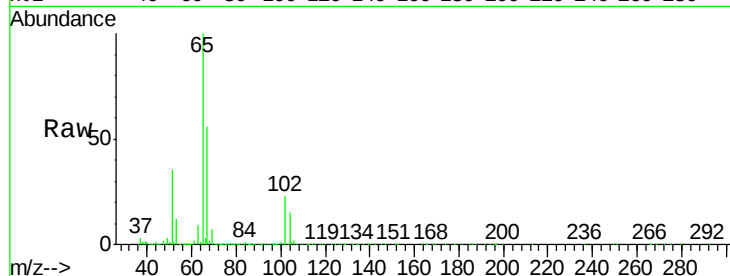
67 52.6 0.0 107.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

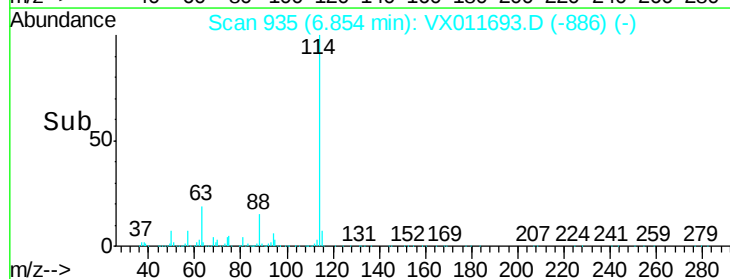
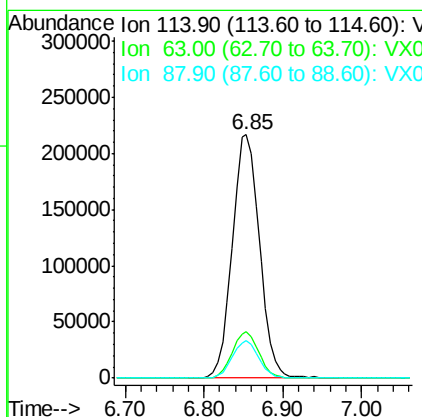
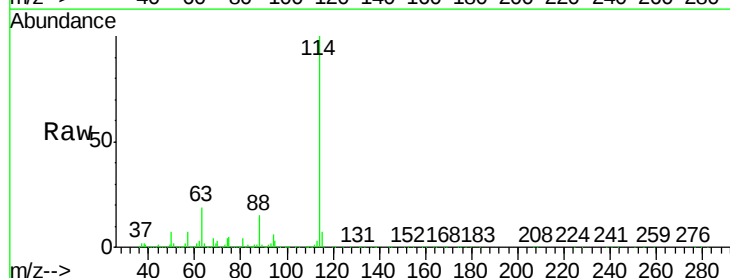
Tgt Ion: 114 Resp: 520096

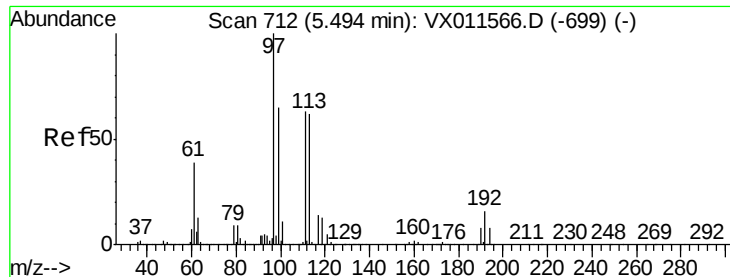
Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.8

88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 39.945 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

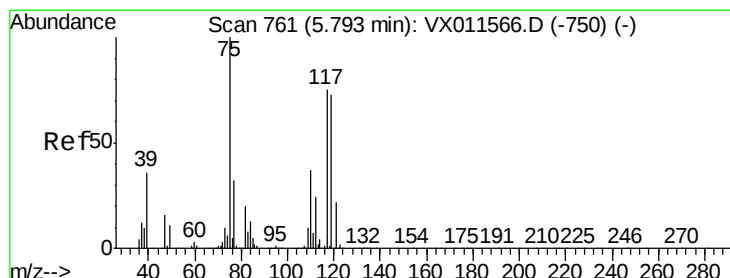
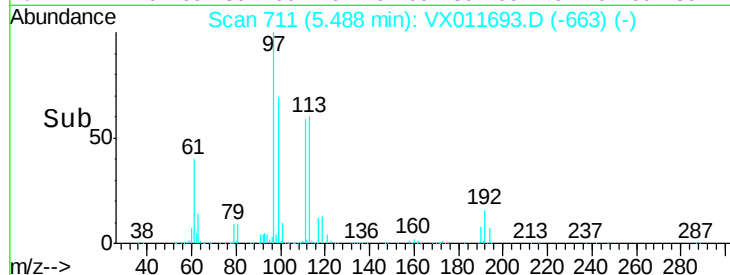
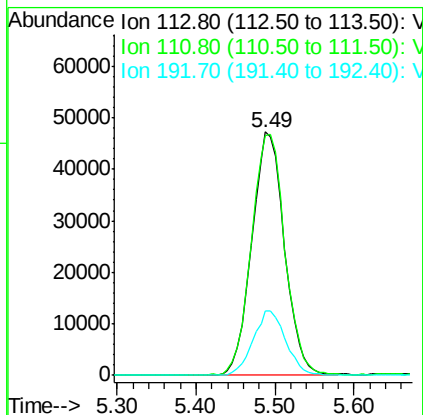
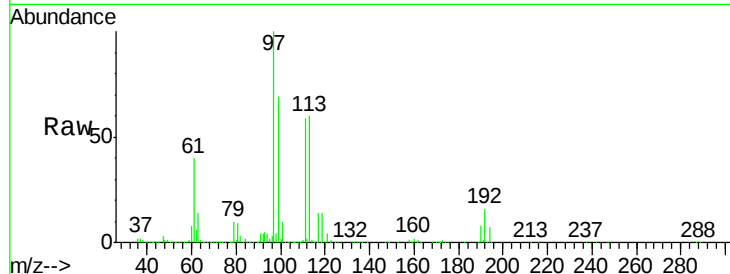
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	135882
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.1	121.7
192	26.5	20.8	31.2

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#36

1,1-Dichloropropene

Concen: 44.393 ug/l

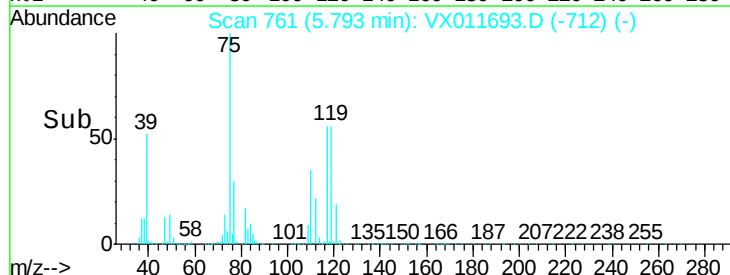
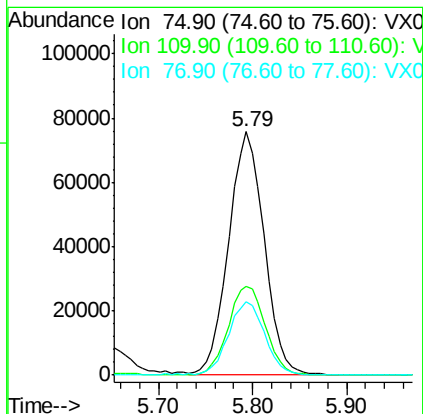
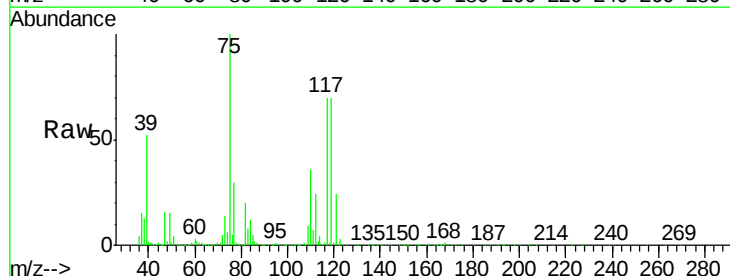
RT: 5.79 min Scan# 761

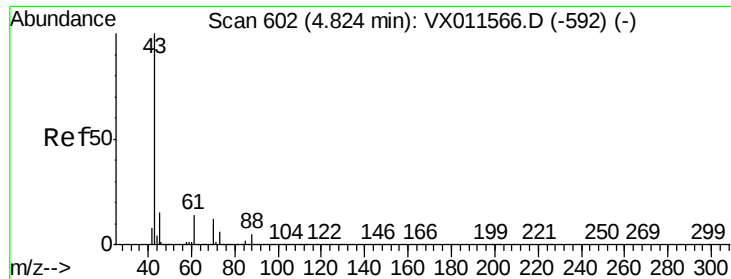
Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion:	75	Resp:	197406
Ion Ratio	Lower	Upper	
75	100		
110	38.1	19.4	58.1
77	30.5	25.1	37.7





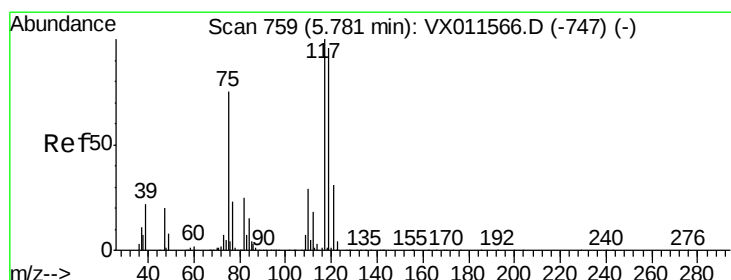
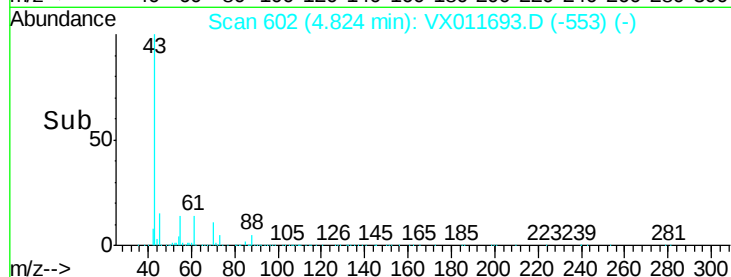
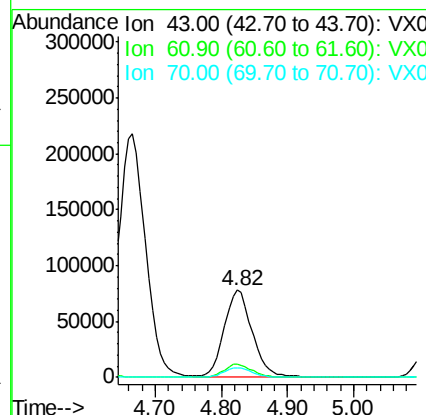
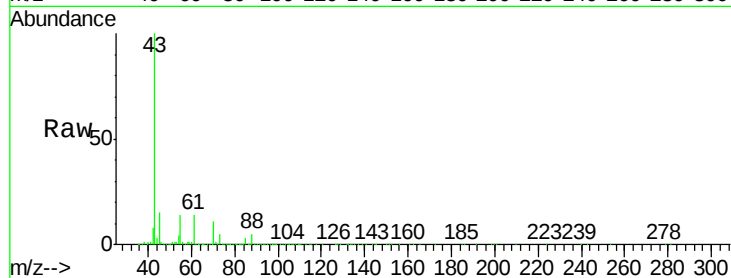
#37
Ethyl Acetate
Concen: 44.642 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	11.1	9.0	13.6

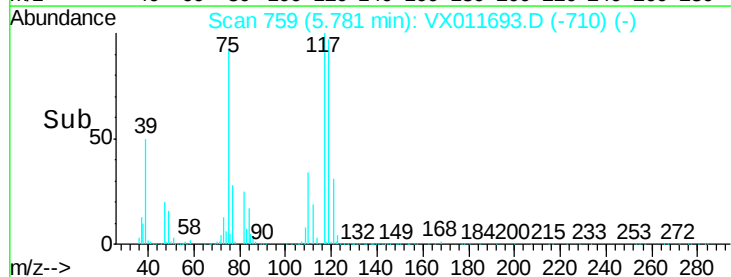
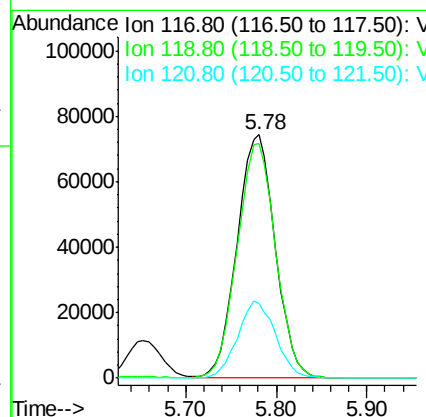
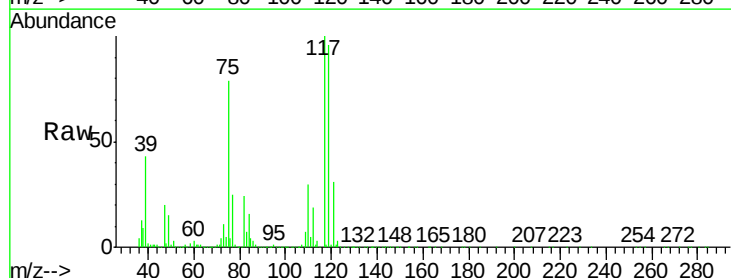
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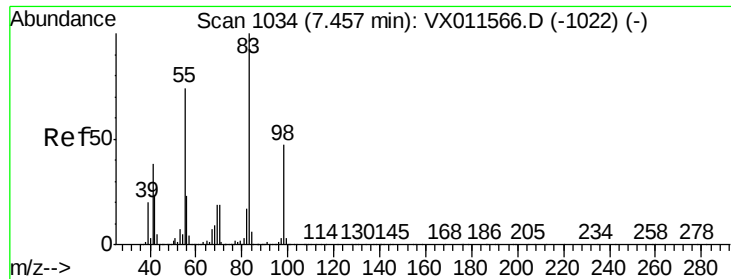
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#38
Carbon Tetrachloride
Concen: 44.108 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
121	30.7	24.8	37.2





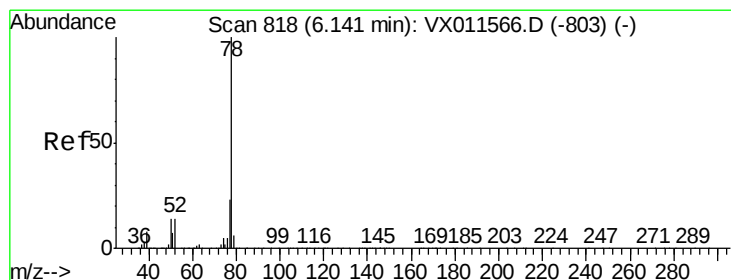
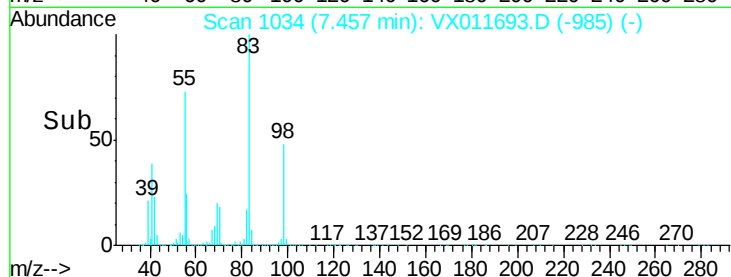
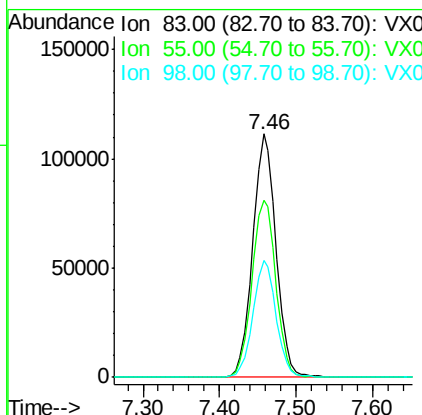
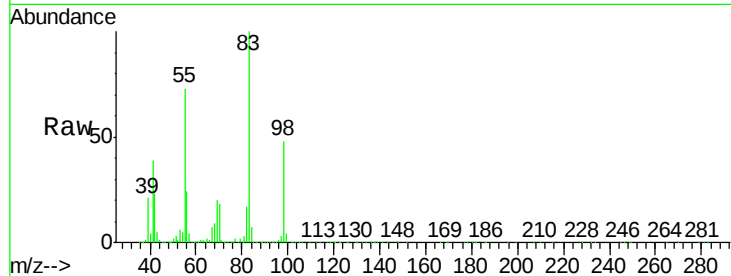
#39
Methvlcvclohexane
Concen: 43.218 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	58.8	88.2
98	48.2	37.8	56.6

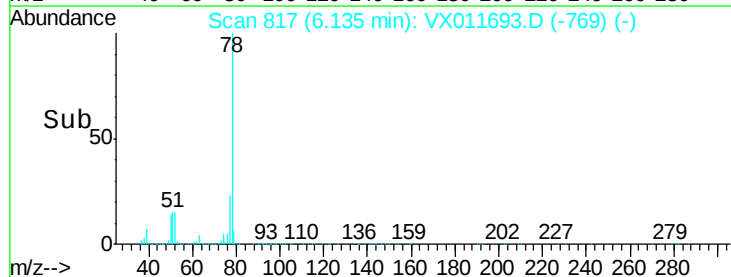
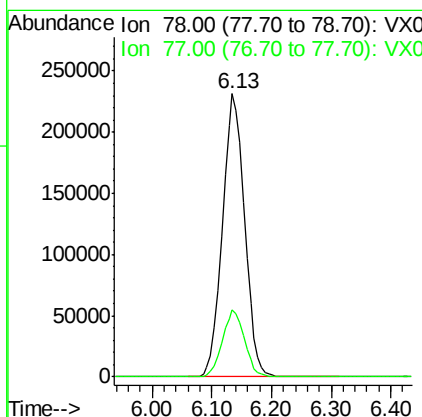
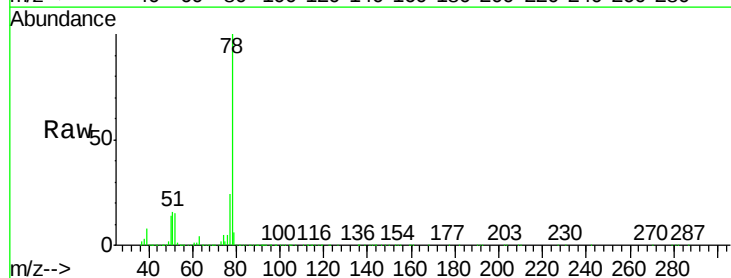
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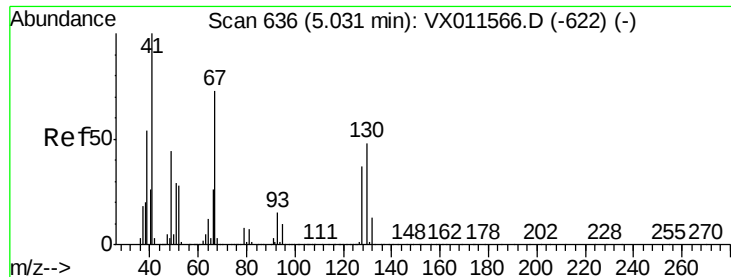
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#40
Benzene
Concen: 43.283 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





#41

Methacrylonitrile

Concen: 45.255 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

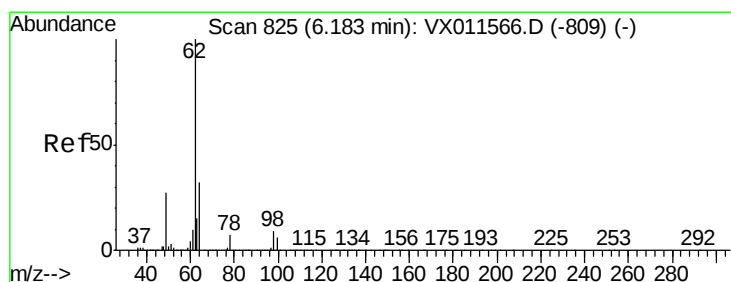
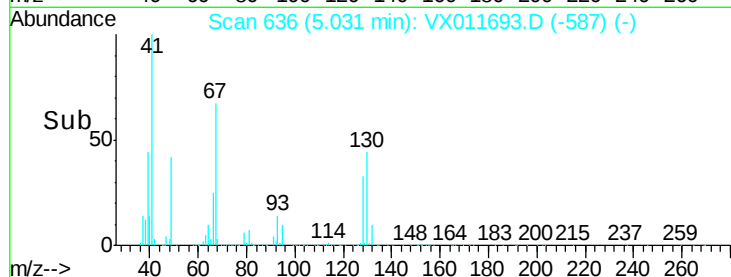
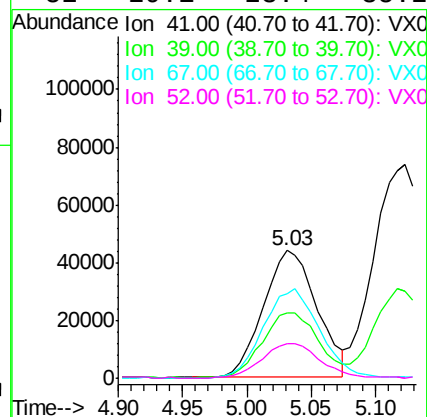
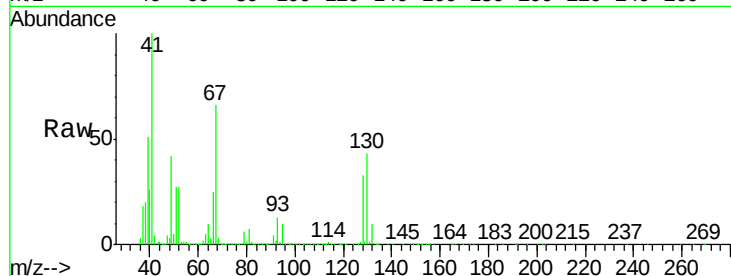
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		127391		
39	53.1	43.5	65.3		
67	73.5	59.4	89.2		
52	29.1	23.4	35.2		

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#42

1,2-Dichloroethane

Concen: 45.732 ug/l

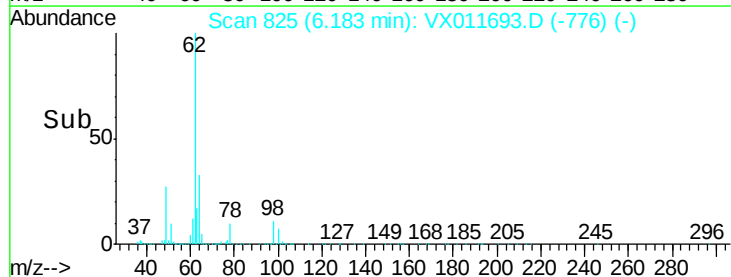
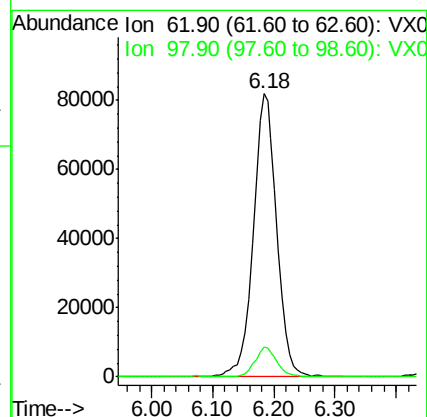
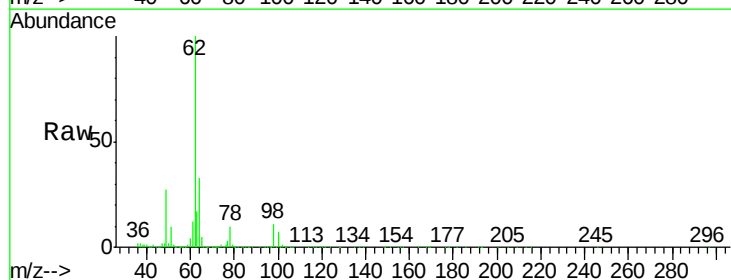
RT: 6.18 min Scan# 825

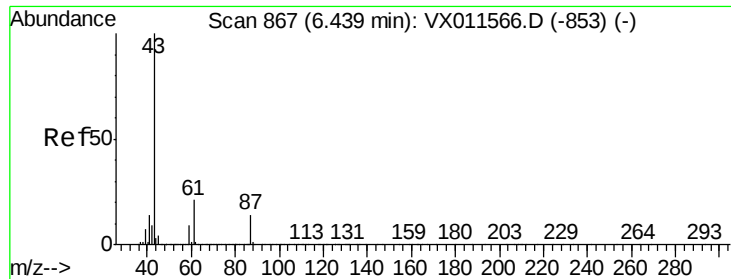
Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		218952		
98	9.9	0.0	19.4		





#43

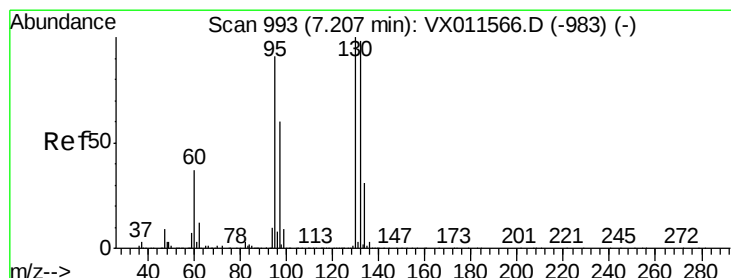
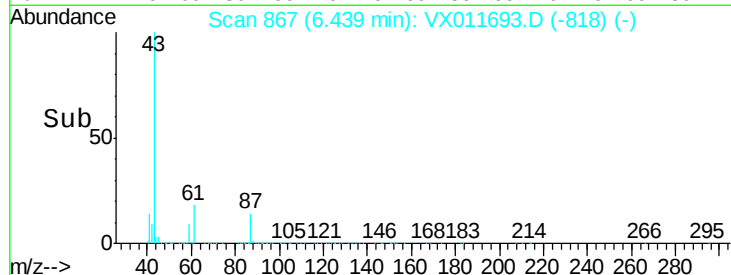
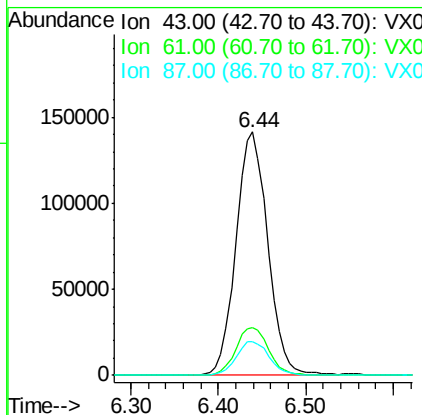
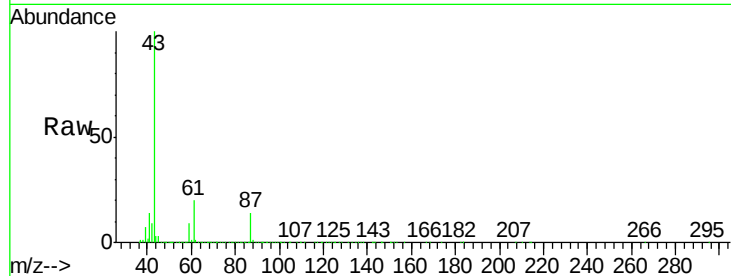
Isopropyl Acetate
 Concen: 44.468 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.6	24.8
87	14.4	11.4	17.2

Manual Integrations
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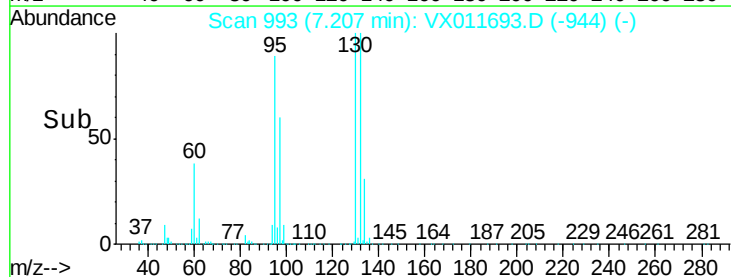
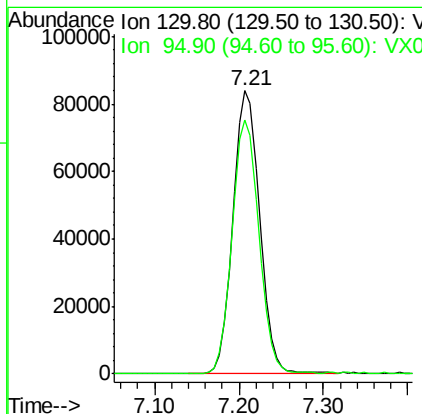
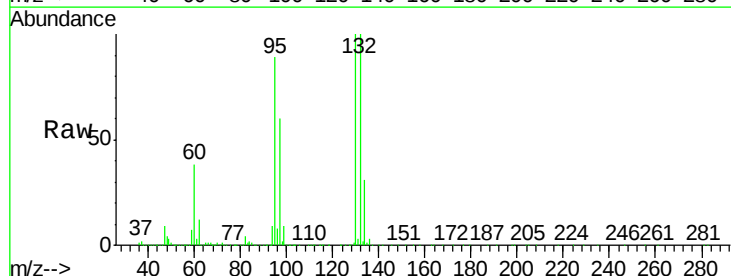
MMDadoda
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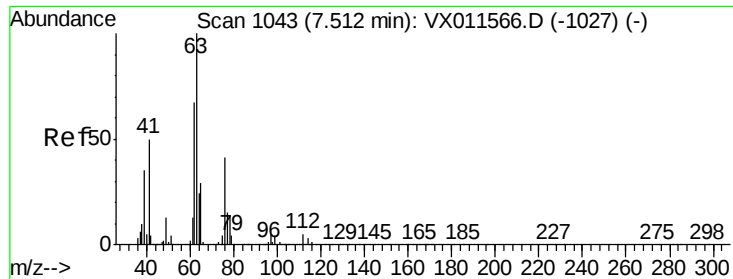


#44

Trichloroethene
 Concen: 43.920 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	181.4





#45

1,2-Dichloropropane

Concen: 44.399 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 153009

Ion Ratio Lower Upper

63 100

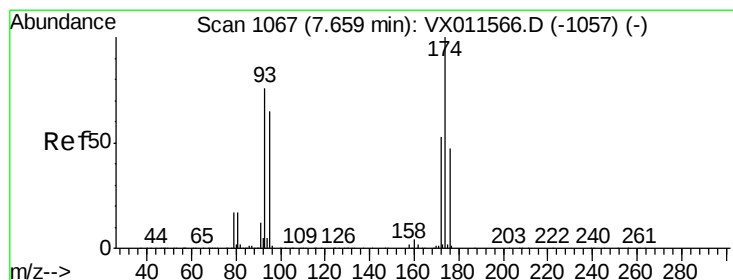
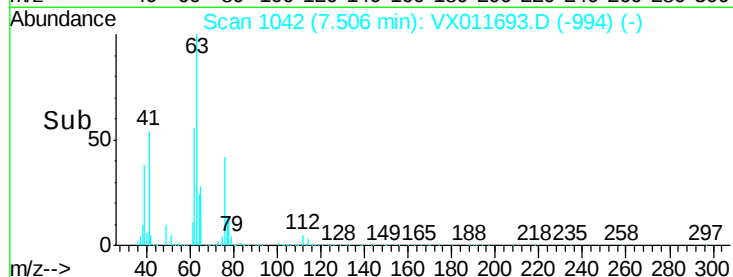
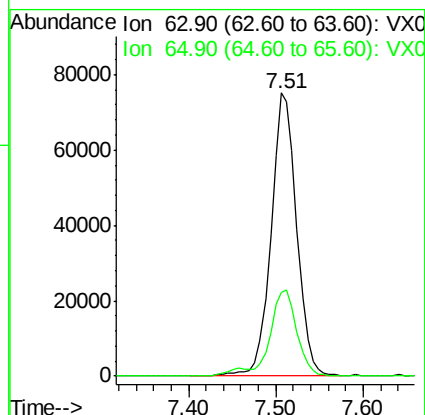
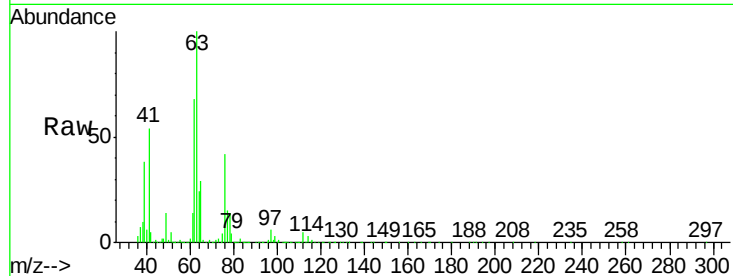
65 29.3 23.4 35.2

Manual Integrations

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#46

Dibromomethane

Concen: 43.579 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

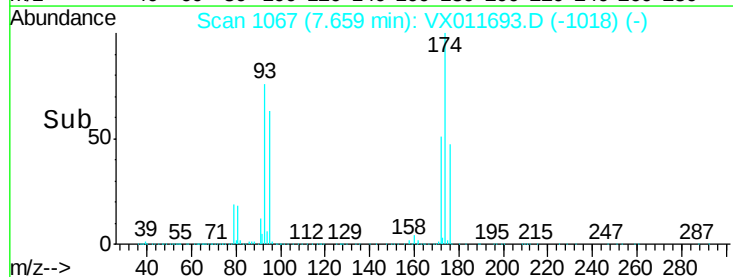
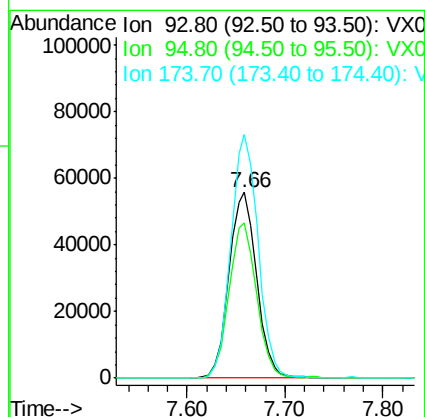
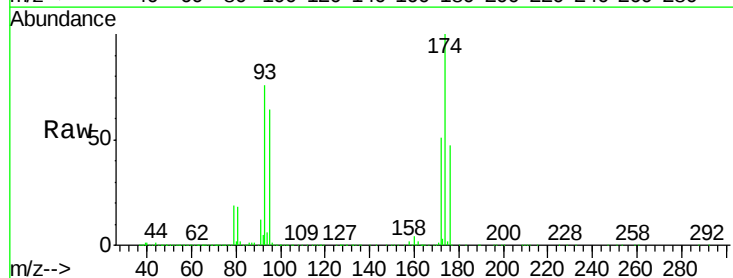
Tgt Ion: 93 Resp: 109137

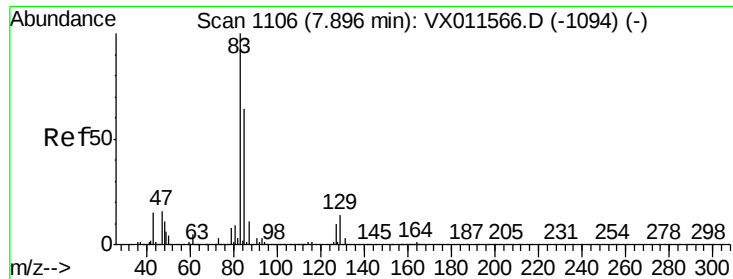
Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

174 129.4 105.5 158.3





#47

Bromodichloromethane

Concen: 44.467 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

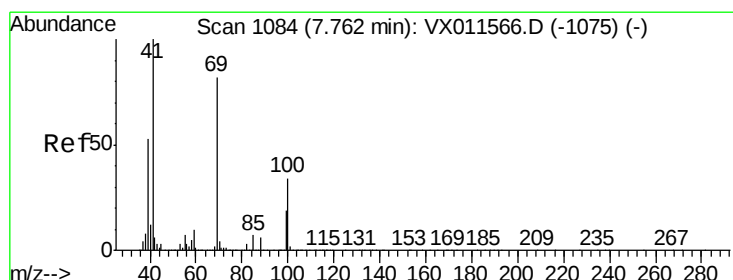
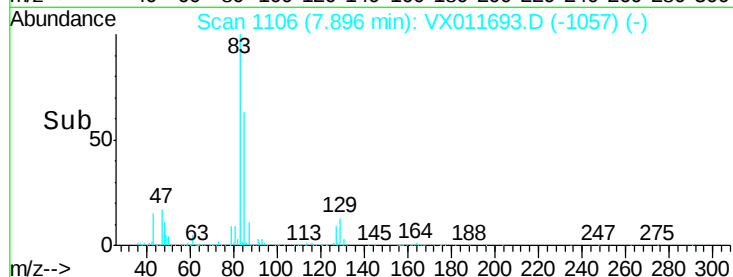
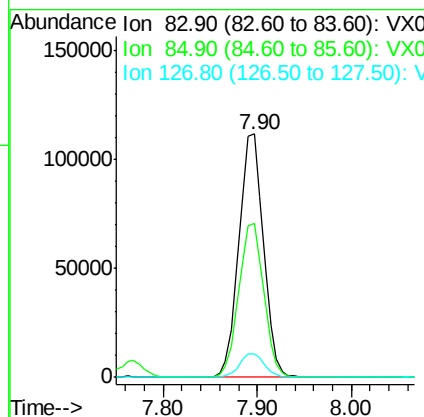
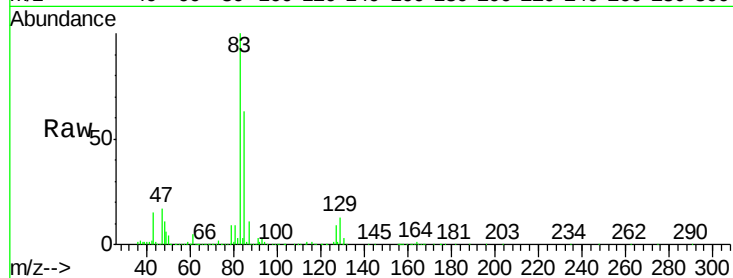
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	204471
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.2	76.8
127	9.4	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.988 ug/l

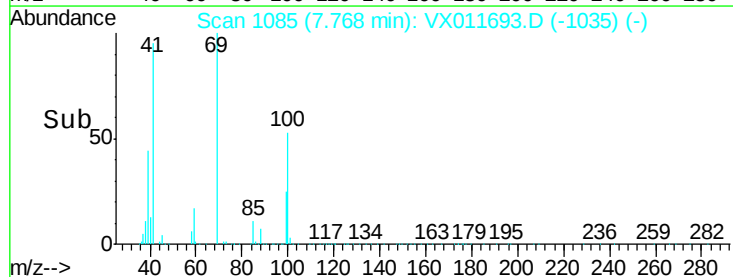
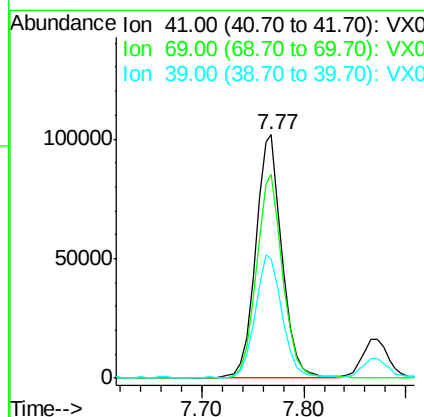
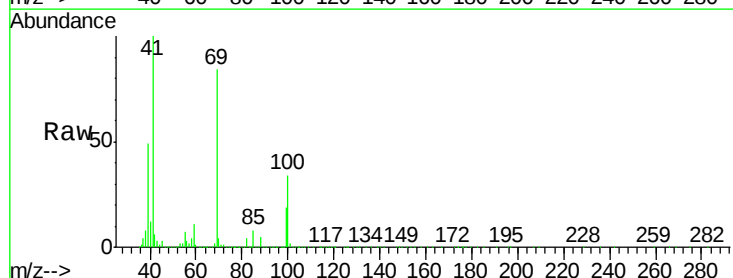
RT: 7.77 min Scan# 1085

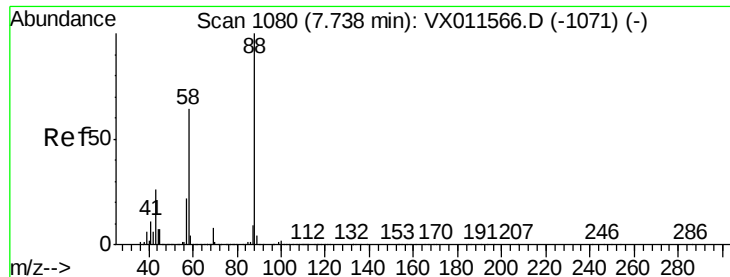
Delta R.T. 0.01 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion:	41	Resp:	181779
Ion Ratio	Lower	Upper	
41	100		
69	84.1	67.9	101.9
39	51.4	41.6	62.4





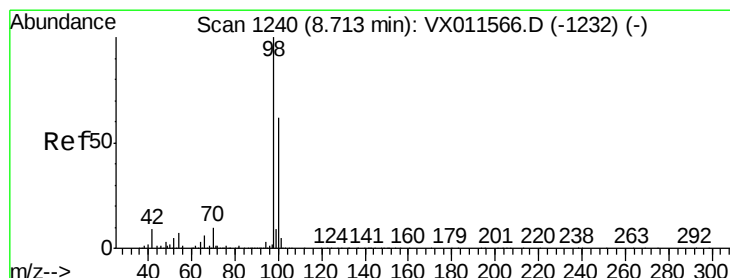
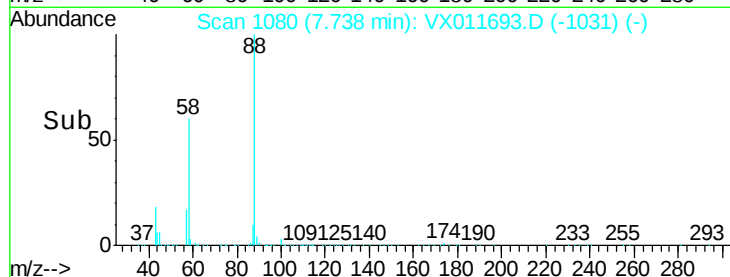
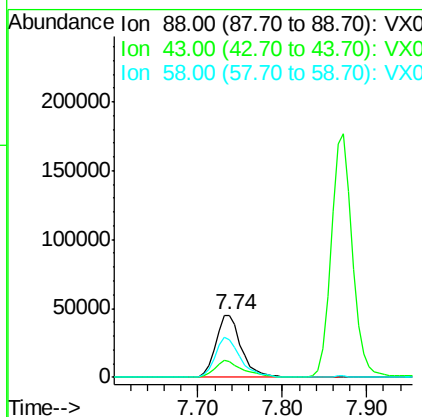
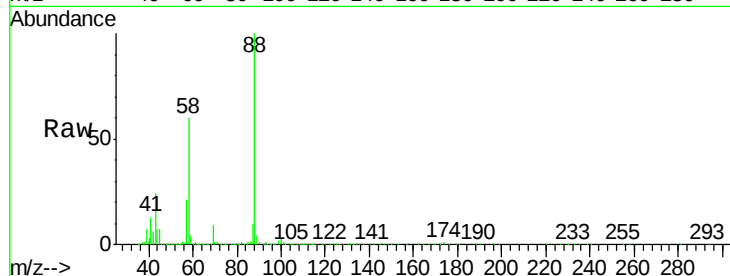
#49
1,4-Dioxane
Concen: 883.533 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	23.4	35.0
58	64.3	54.3	81.5

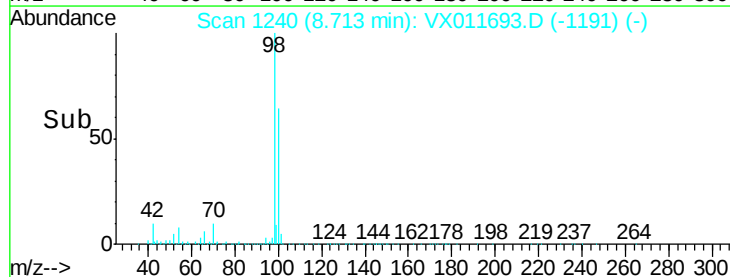
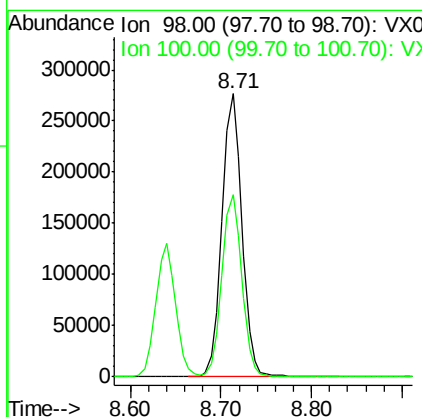
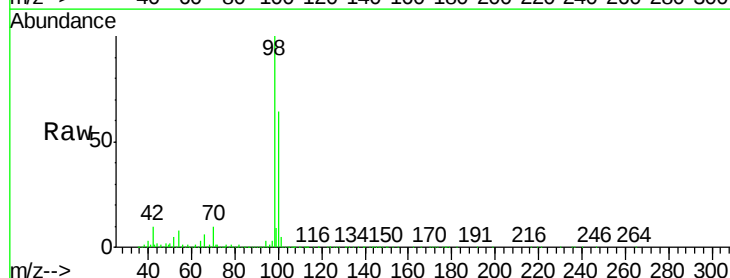
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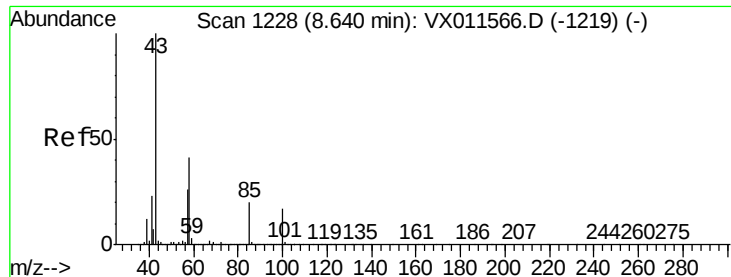
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#50
Toluene-d8
Concen: 40.042 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.4	78.6





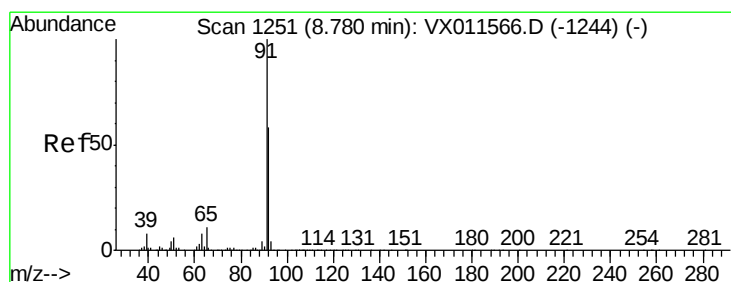
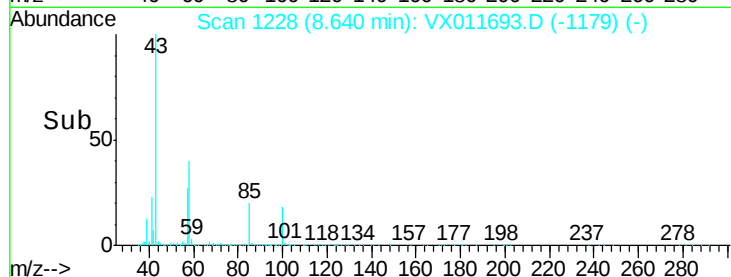
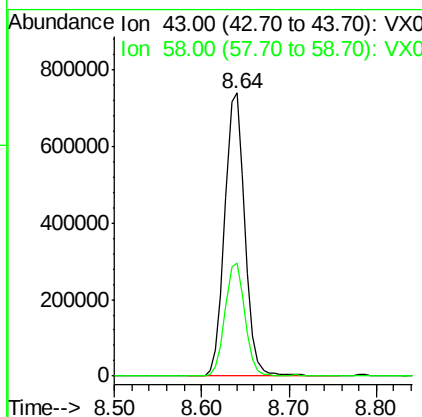
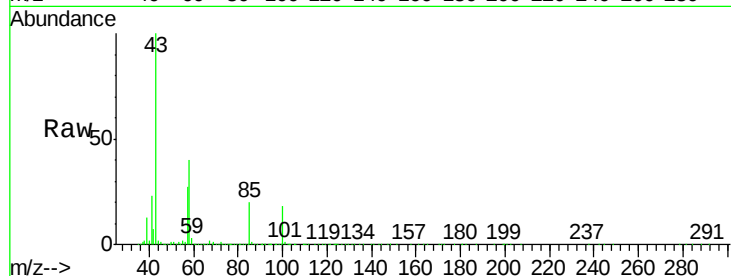
#51
4-Methyl-2-Pentanone
Concen: 225.231 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1176725
Ion Ratio Lower Upper
43 100
58 39.5 31.8 47.6

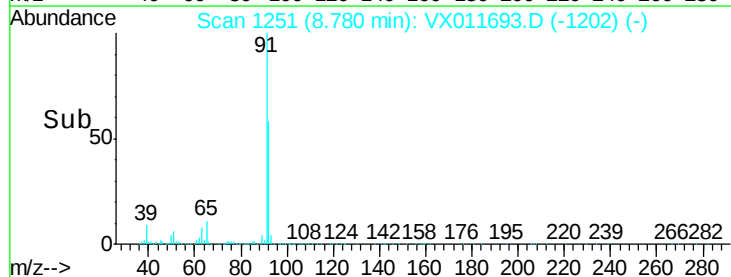
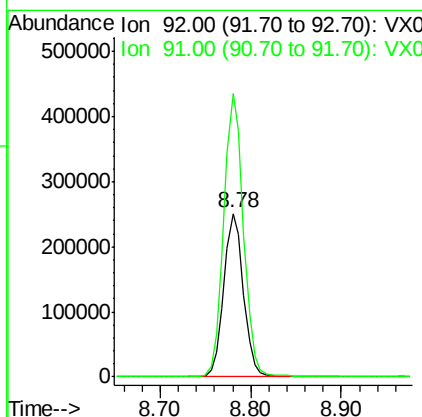
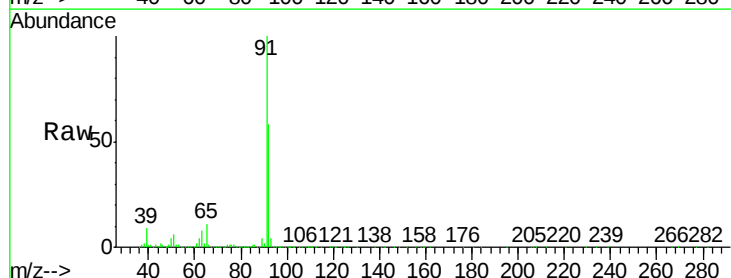
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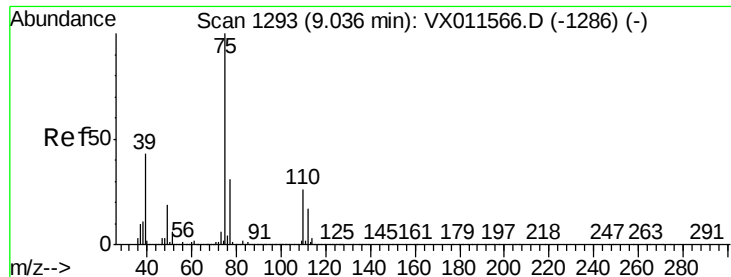
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#52
Toluene
Concen: 43.116 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion: 92 Resp: 379577
Ion Ratio Lower Upper
92 100
91 173.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 46.878 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 223715

Ion Ratio Lower Upper

75 100

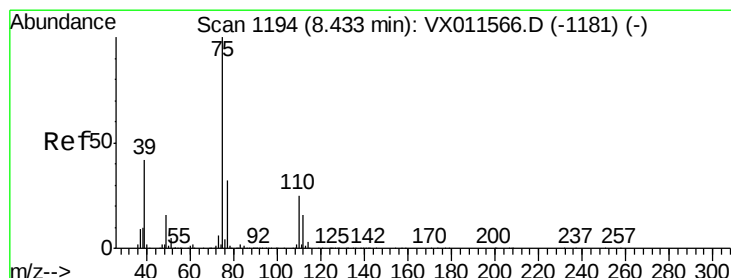
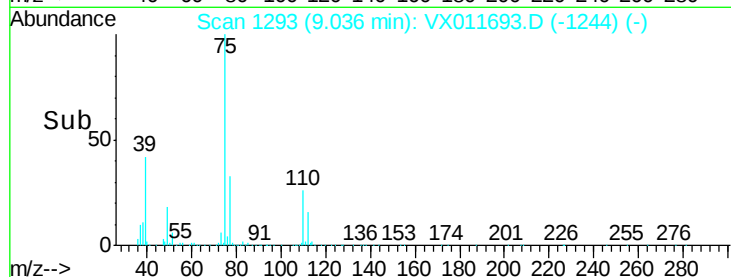
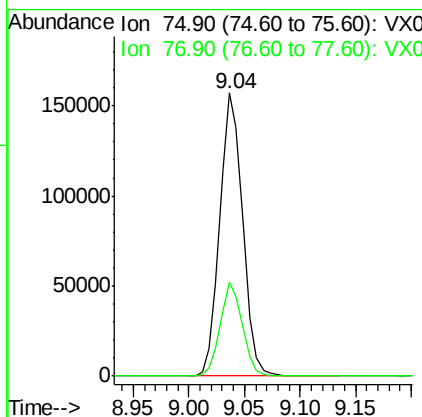
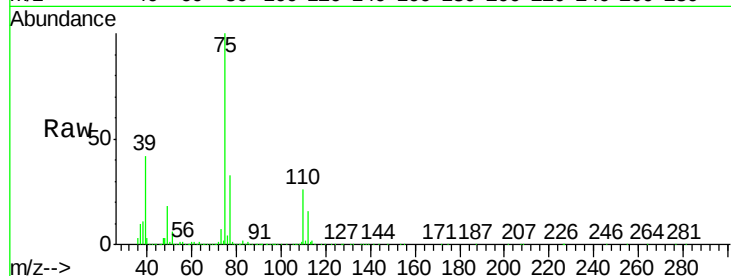
77 32.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 45.060 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

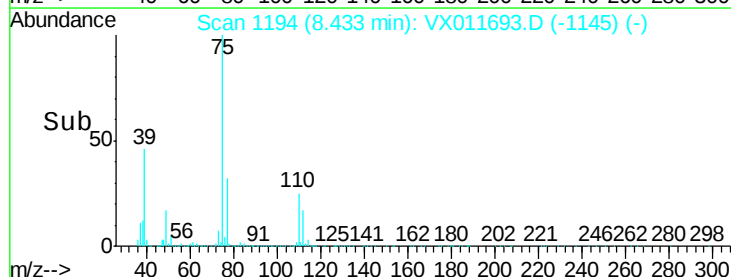
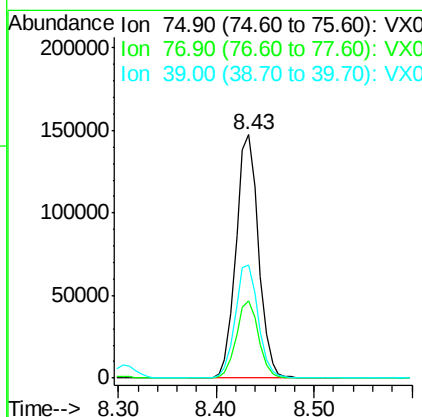
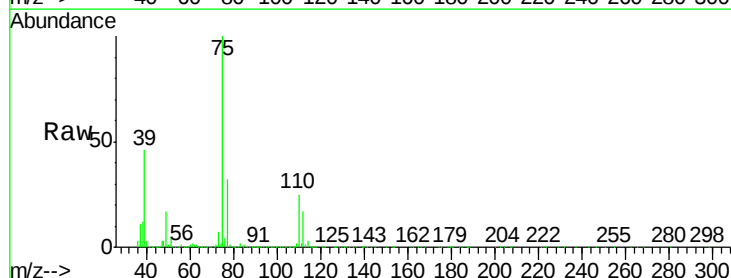
Tgt Ion: 75 Resp: 235333

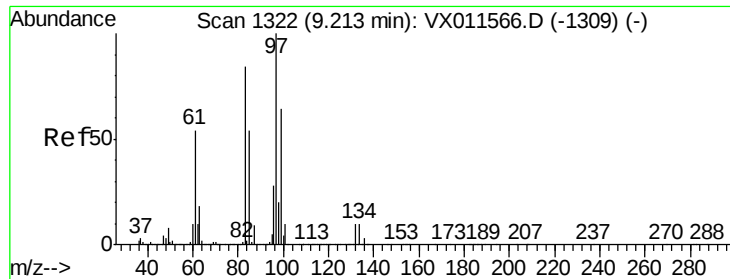
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 46.4 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 44.108 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

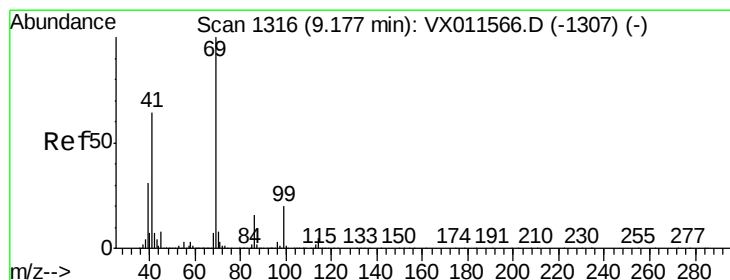
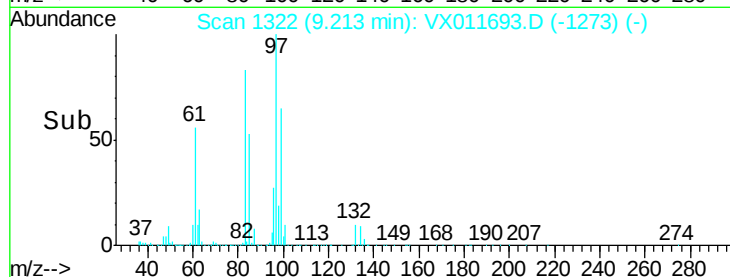
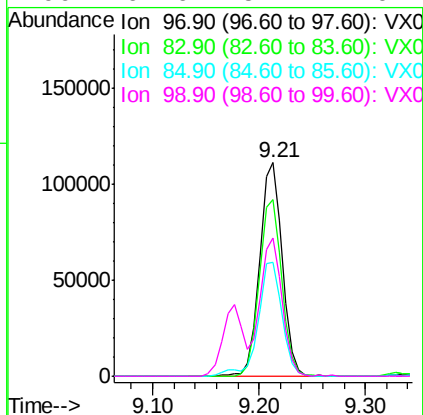
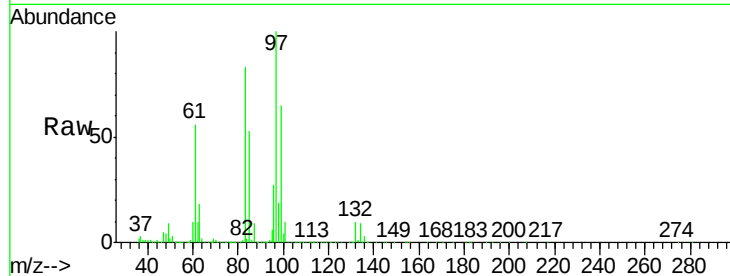
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		165129		
83	82.8	67.4	101.0		
85	53.3	43.4	65.2		
99	64.6	51.1	76.7		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 46.493 ug/l

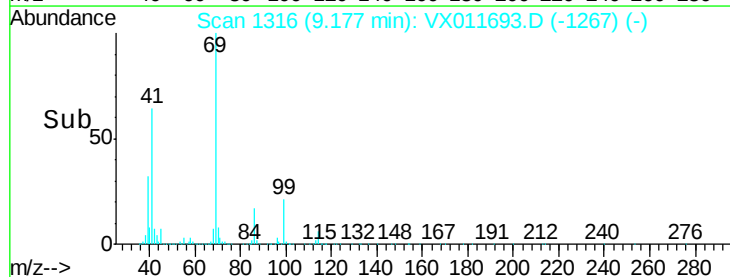
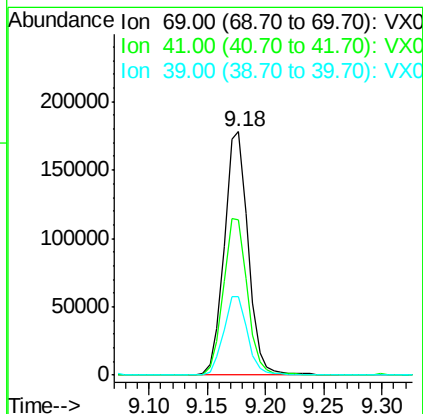
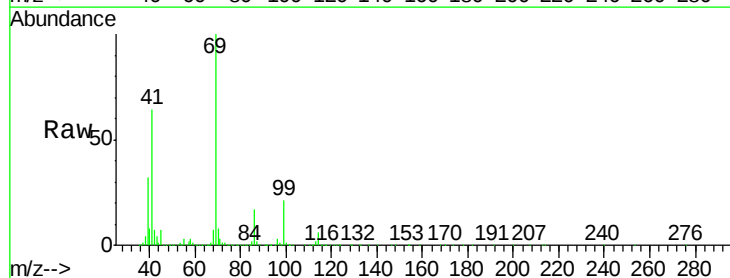
RT: 9.18 min Scan# 1316

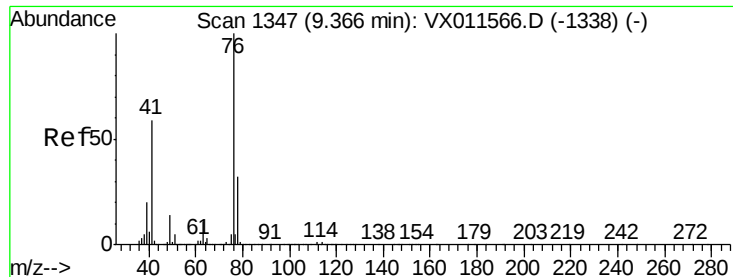
Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		252983		
41	64.6	52.1	78.1		
39	32.1	25.4	38.0		





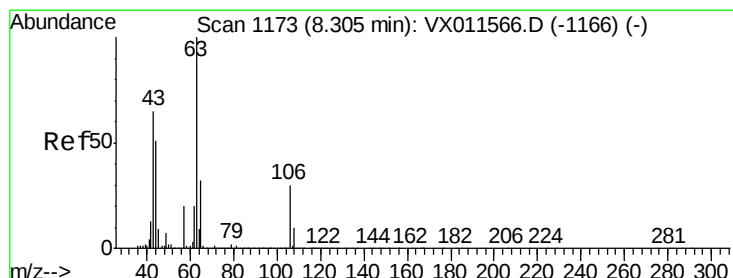
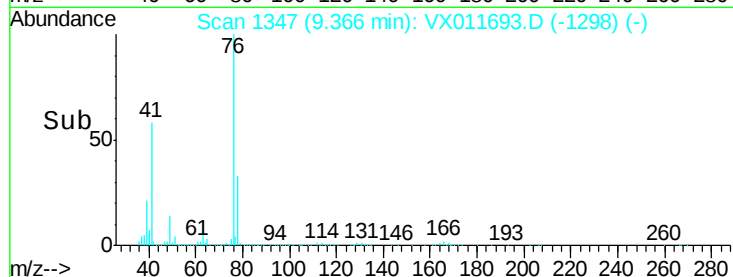
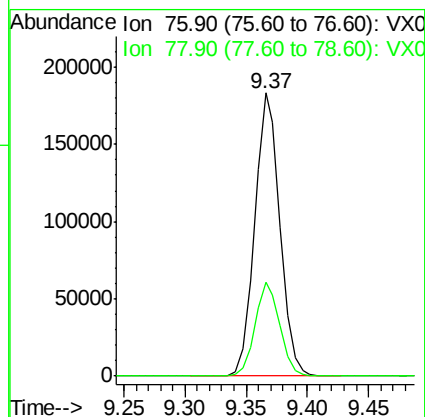
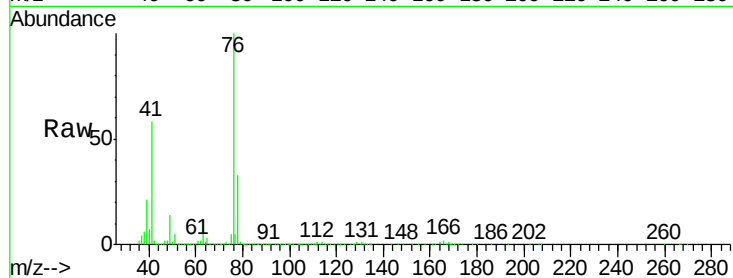
#57
 1,3-Dichloropropane
 Concen: 44.132 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

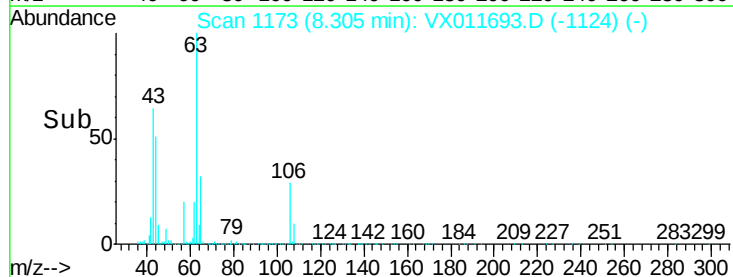
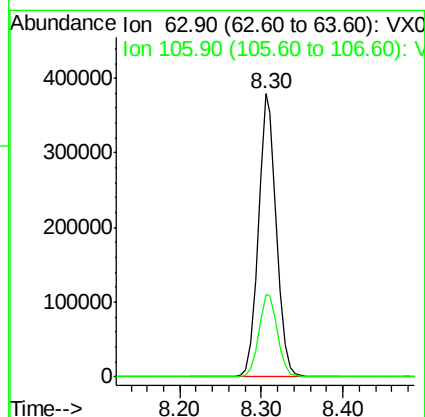
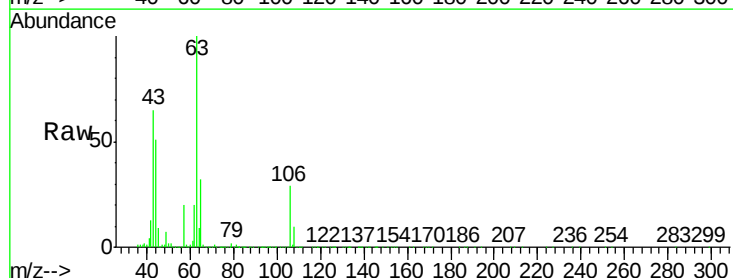
Manual Integrations
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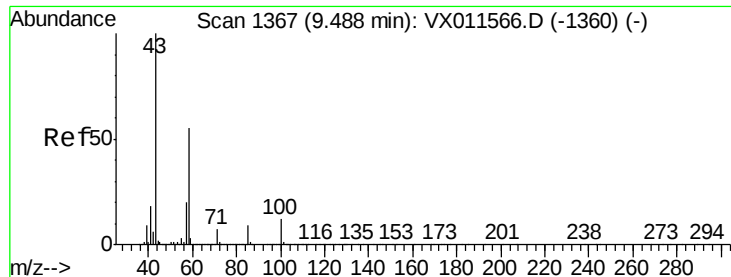
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 8/21/2019 8:33:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 216.456 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.7	37.1





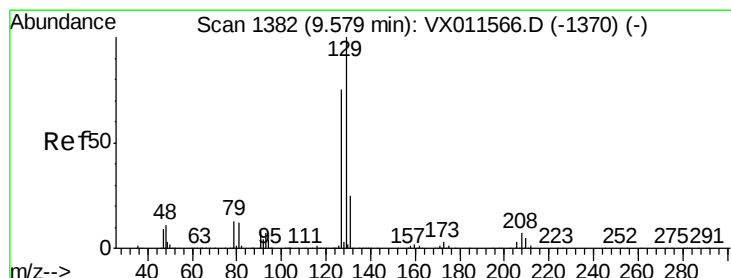
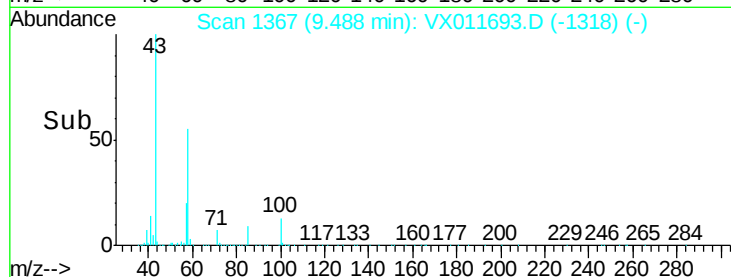
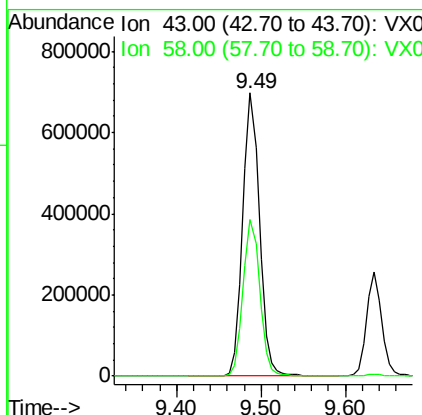
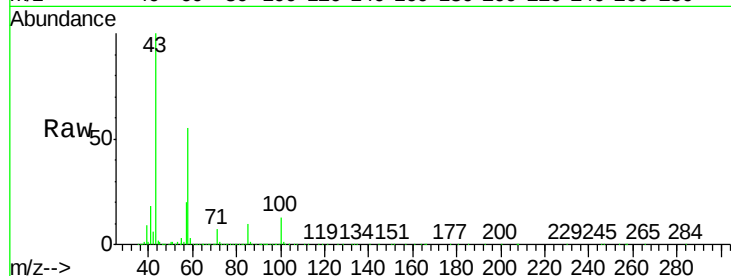
#59
2-Hexanone
Concen: 229.268 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.5	82.4

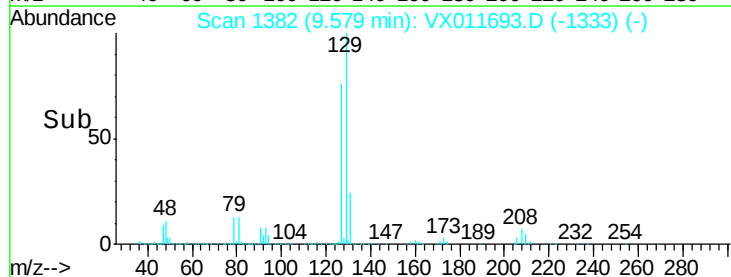
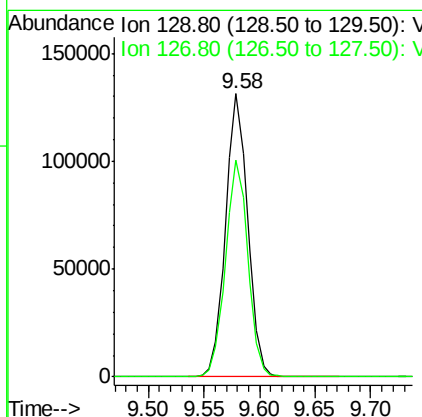
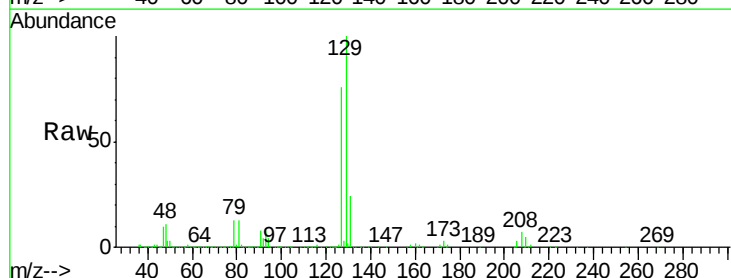
Manual Integrations
APPROVED

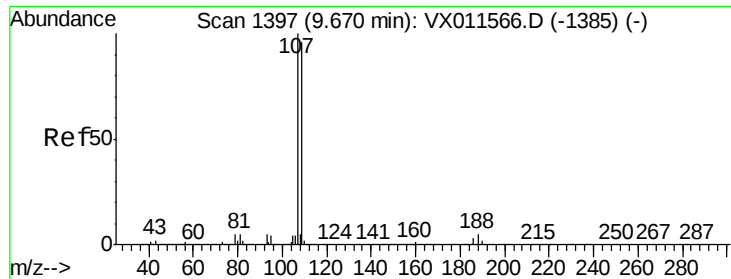
MMDadoda
8/21/2019 8:33:37 AM



#60
Dibromochloromethane
Concen: 46.424 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.0	114.1





#61

1,2-Dibromoethane

Concen: 44.985 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 179740

Ion Ratio Lower Upper

107 100

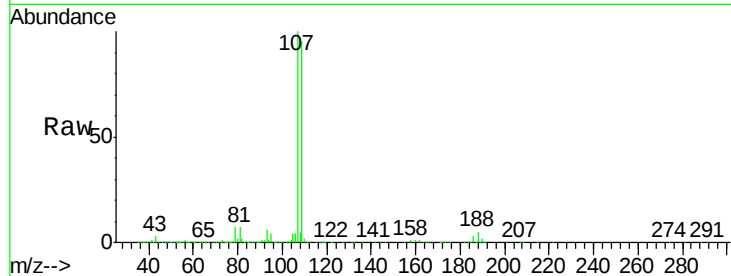
109 94.3 76.2 114.2

Manual Integrations

APPROVED

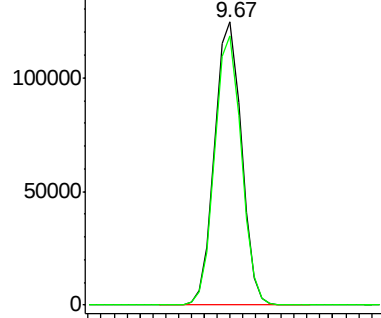
MMDadoda

8/21/2019 8:33:37 AM

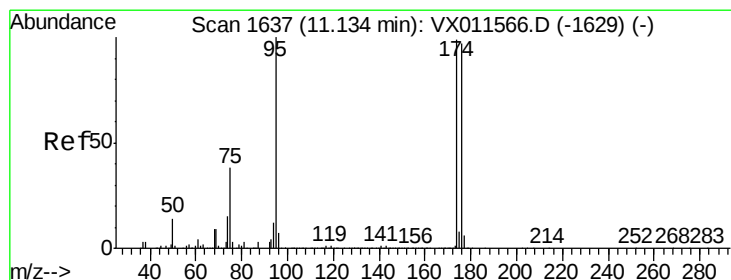
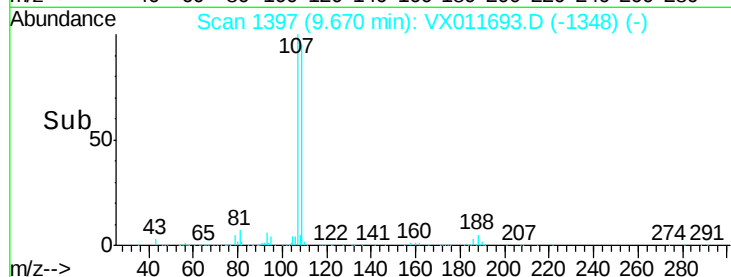


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 41.217 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

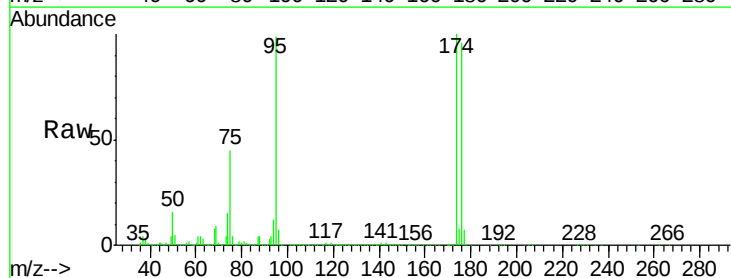
Tgt Ion: 95 Resp: 184401

Ion Ratio Lower Upper

95 100

174 98.3 0.0 200.6

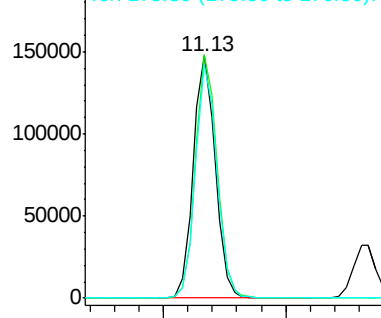
176 94.3 0.0 196.6



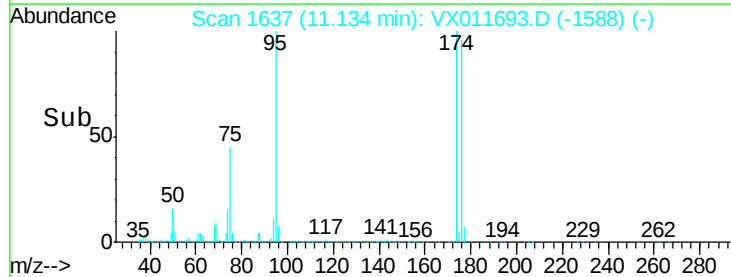
Abundance Ion 94.90 (94.60 to 95.60): VX0

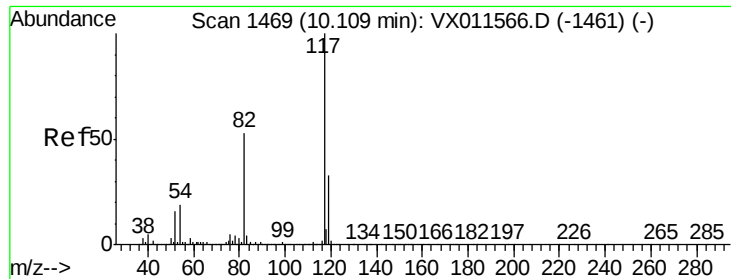
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





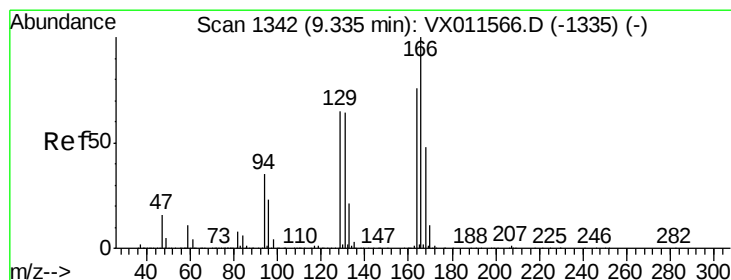
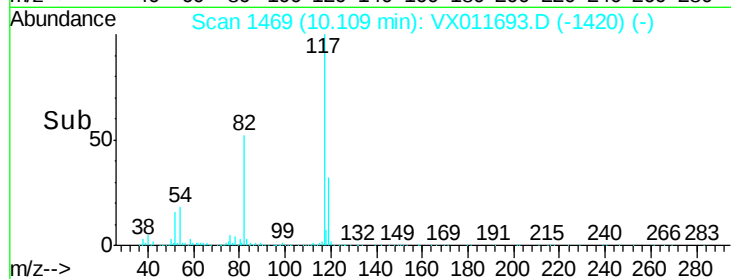
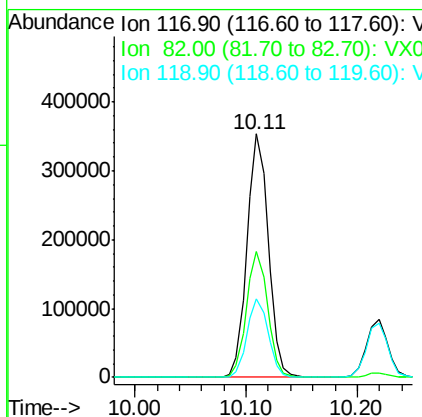
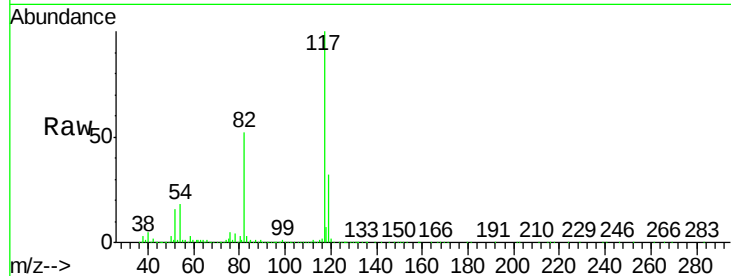
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	472262		
82	51.7	42.0	63.0	
119	32.4	26.5	39.7	

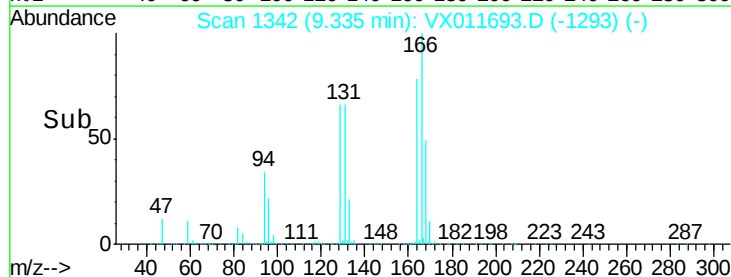
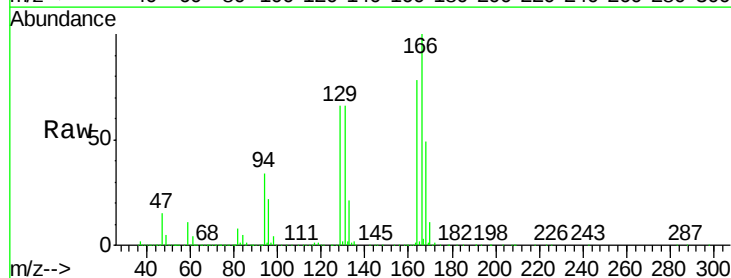
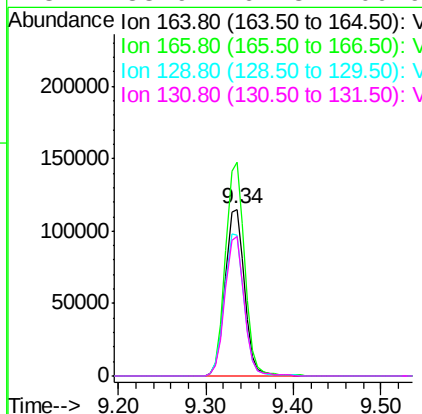
Manual Integrations
APPROVED

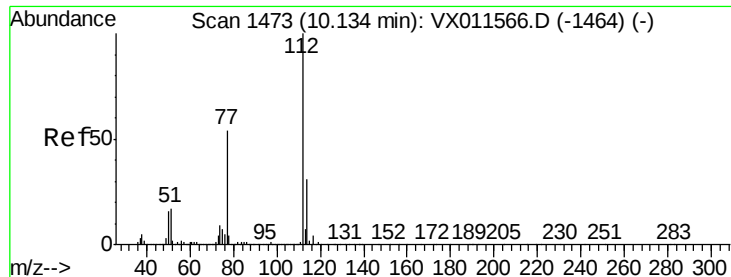
MMDadoda
8/21/2019 8:33:37 AM



#64
Tetrachloroethene
Concen: 45.433 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	176045		
166	127.9	104.7	157.1	
129	84.3	68.2	102.4	
131	83.9	67.3	100.9	





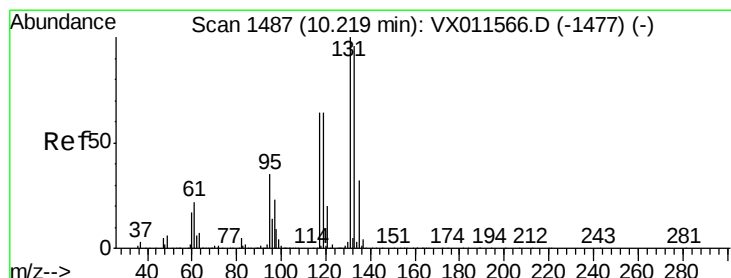
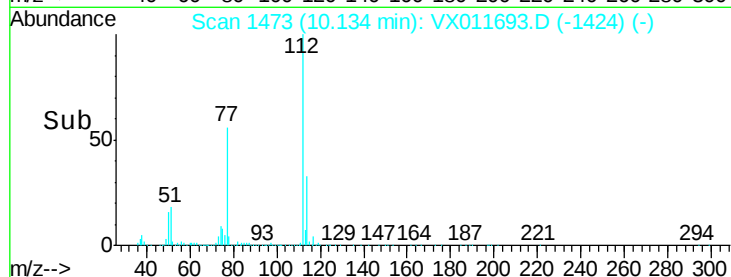
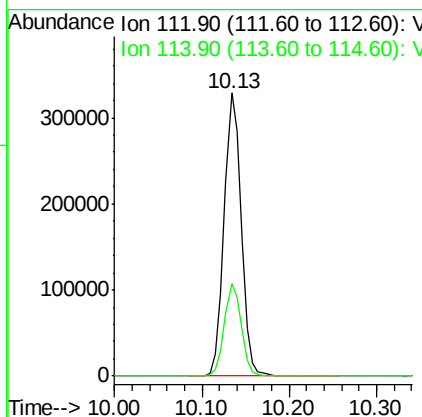
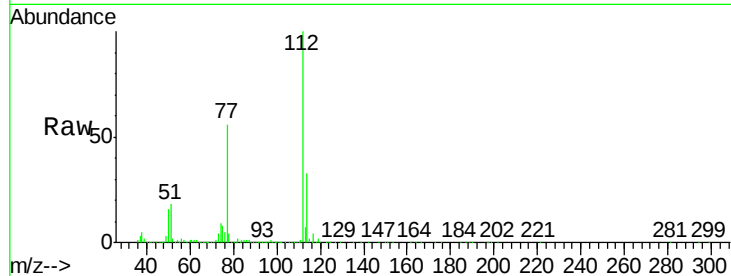
#65
Chlorobenzene
Concen: 43.862 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.6

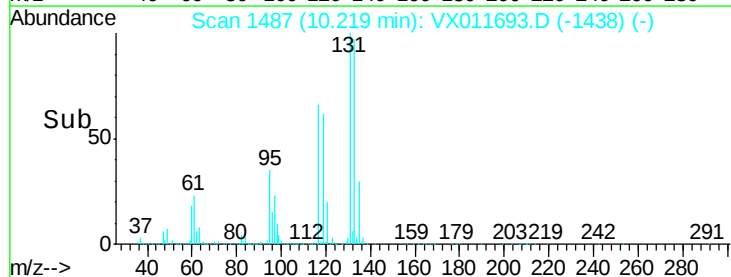
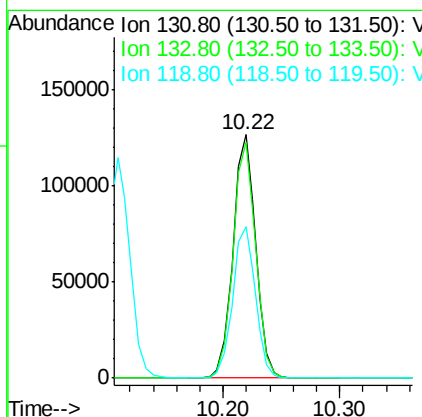
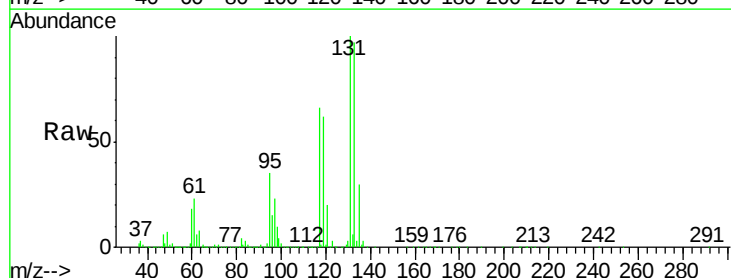
Manual Integrations
APPROVED

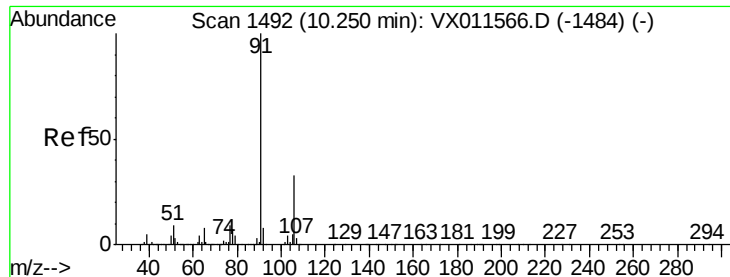
MMDadoda
8/21/2019 8:33:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.394 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	48.1	144.4
119	62.6	31.3	93.8





#67

Ethyl Benzene

Concen: 44.865 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 754206

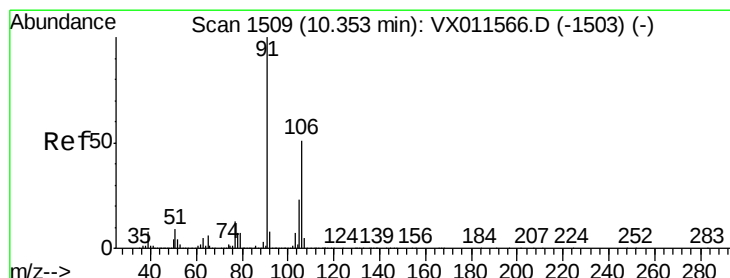
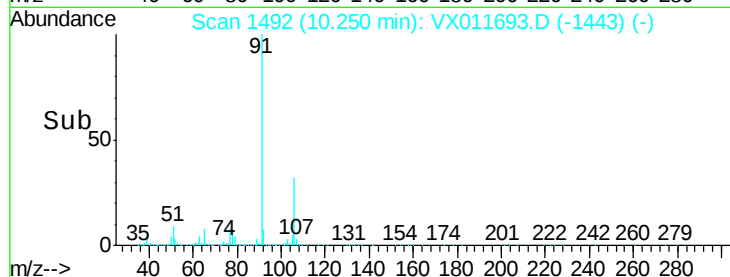
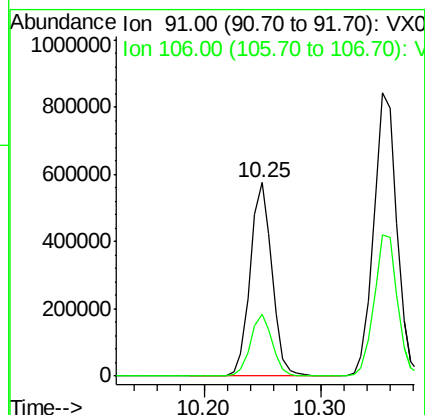
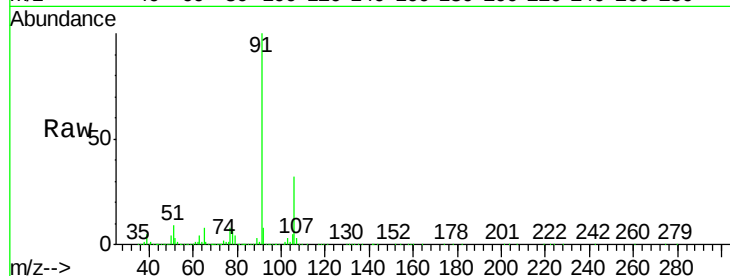
Ion Ratio Lower Upper

91 100

106 32.3 26.0 39.0

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:37 AM



#68

m/p-Xylenes

Concen: 91.360 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011693.D

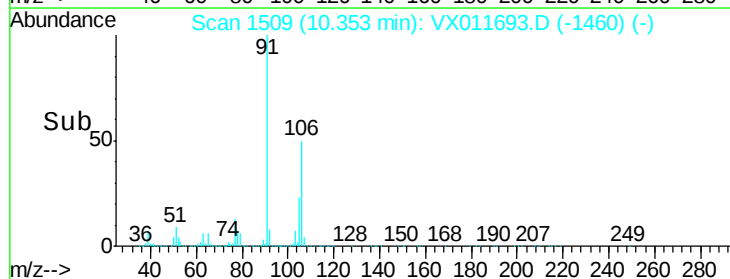
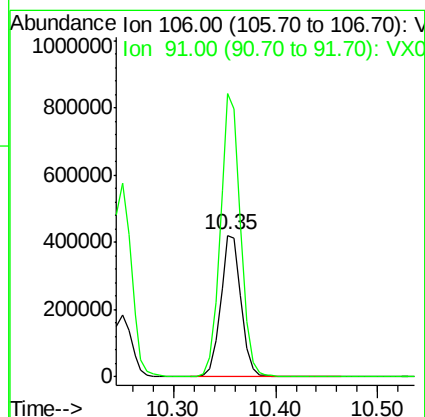
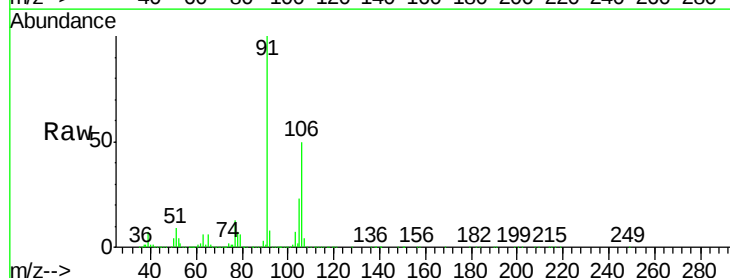
Acq: 20 Aug 2019 18:33

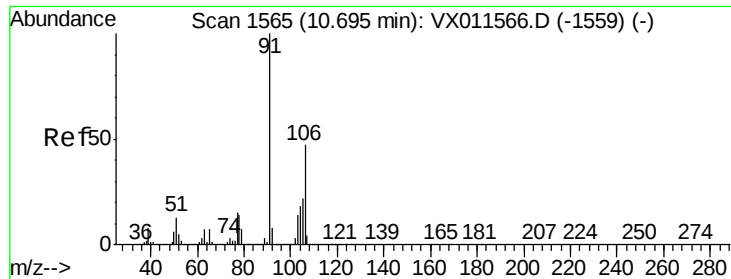
Tgt Ion: 106 Resp: 589531

Ion Ratio Lower Upper

106 100

91 197.3 156.0 234.0





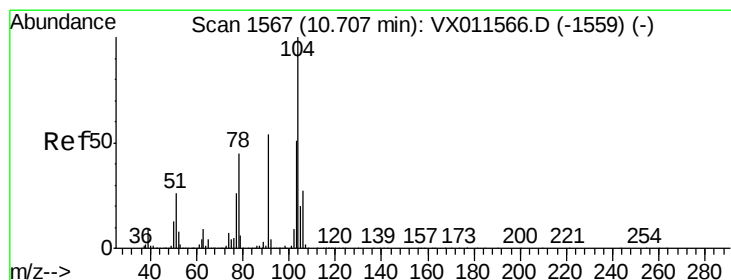
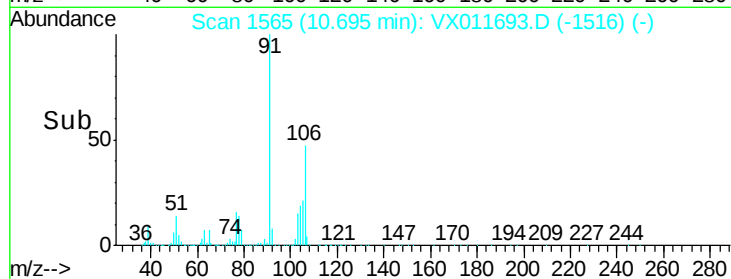
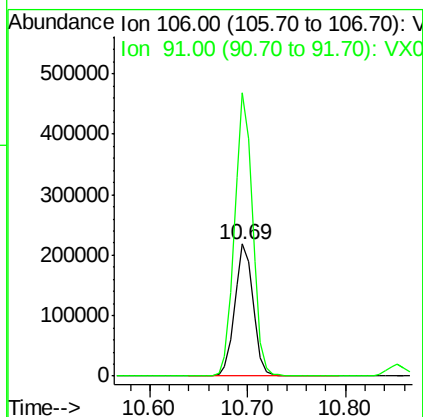
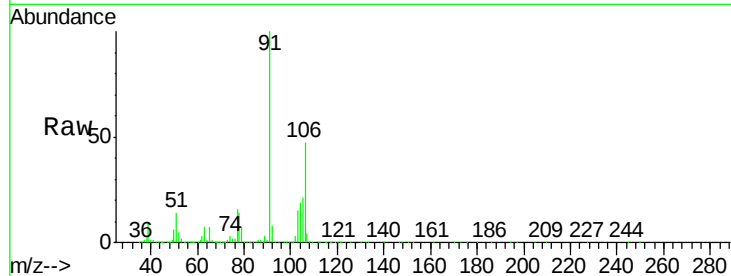
#69
o-Xylene
Concen: 45.031 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.8	105.5	316.4

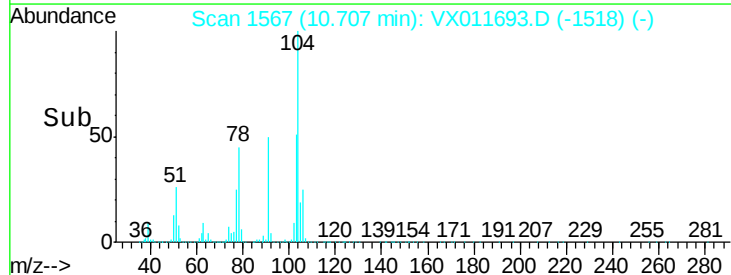
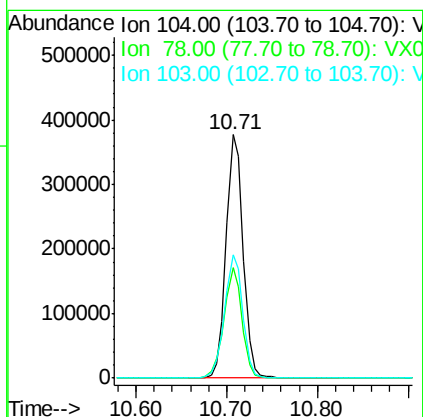
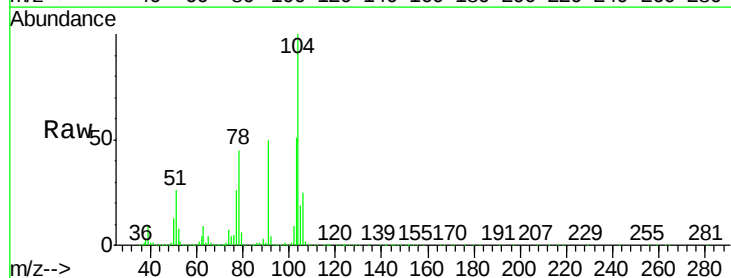
Manual Integrations
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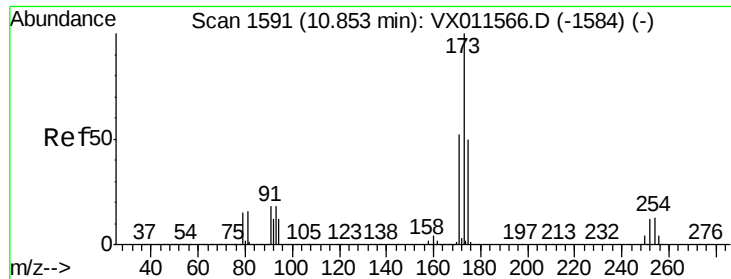
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#70
Styrene
Concen: 46.226 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.2	57.4
103	54.7	43.6	65.4





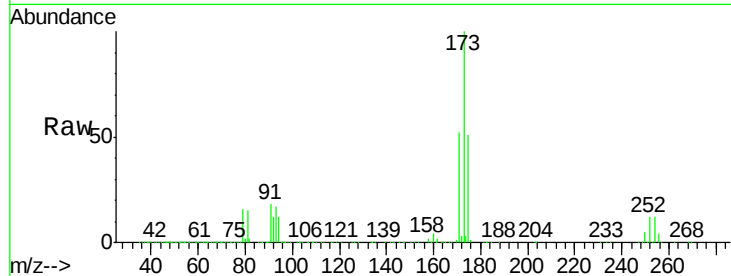
#71
Bromoform
Concen: 40.897 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

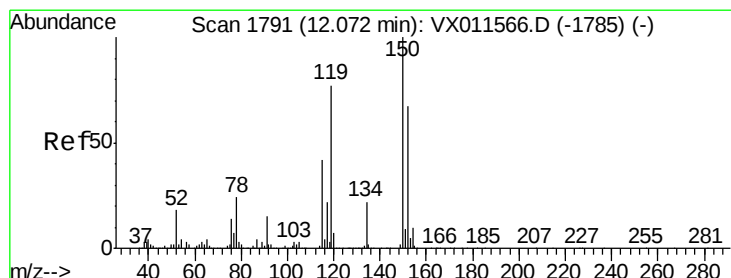
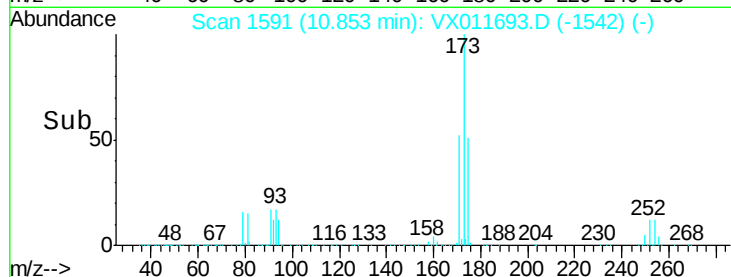
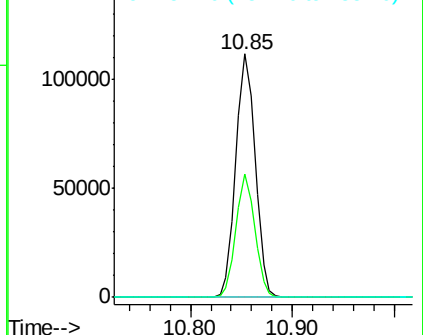
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.9	74.7
254	0.1	0.1	0.1

Manual Integrations
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8/21/2019 8:33:37 AM

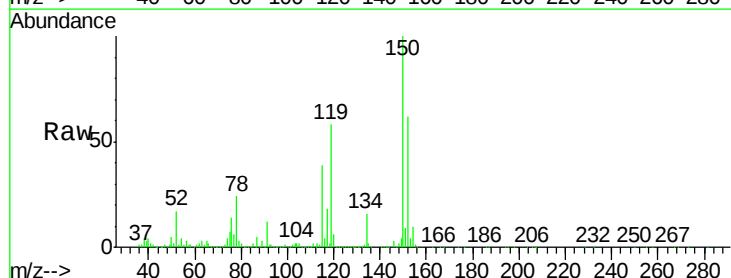


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

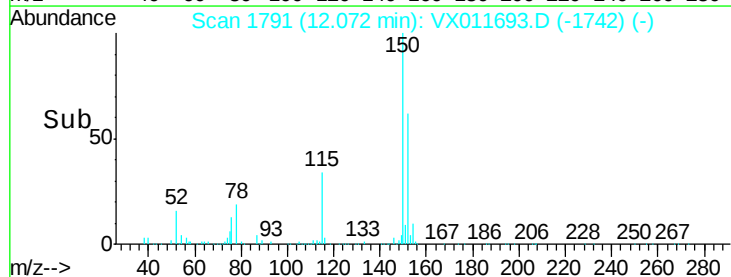
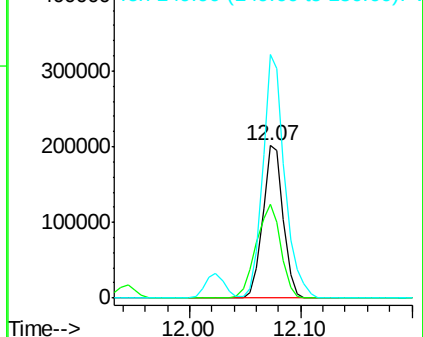


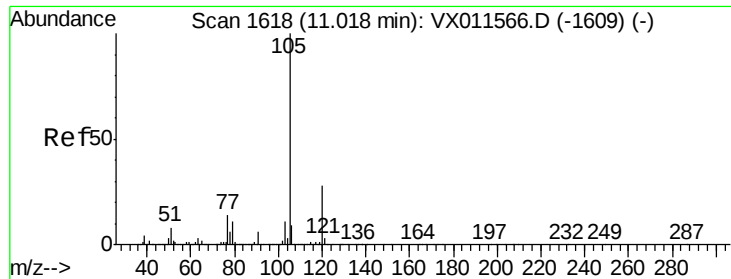
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.1	37.3	111.9
150	171.1	0.0	346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.958 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 768331

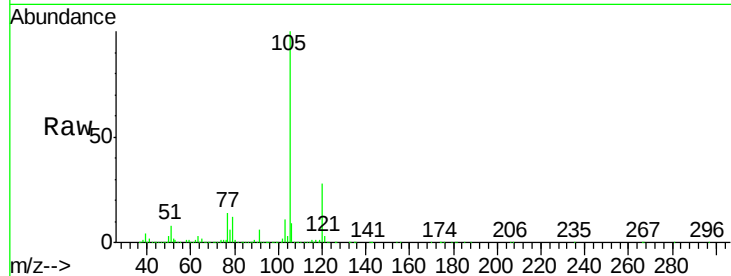
Ion Ratio Lower Upper

105 100

120 27.7 14.0 41.9

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

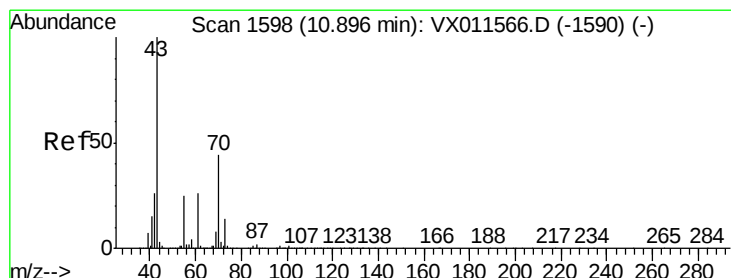
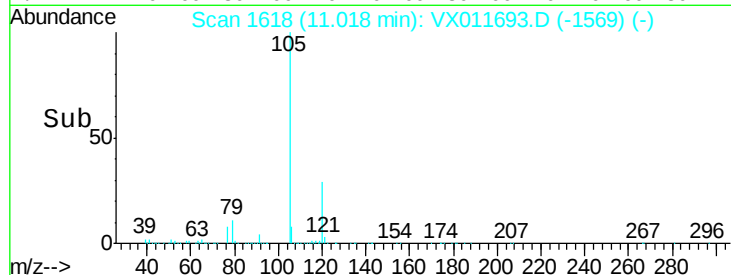
400000

200000

0

11.02

Time-->



#74

N-ethyl acetate

Concen: 44.389 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion: 43 Resp: 315370

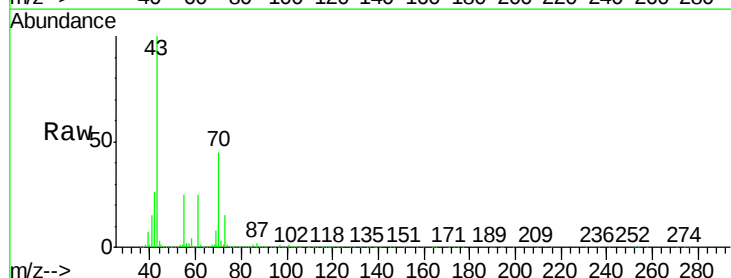
Ion Ratio Lower Upper

43 100

70 43.3 34.7 52.1

55 24.6 19.6 29.4

61 25.1 19.9 29.9



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

400000

300000

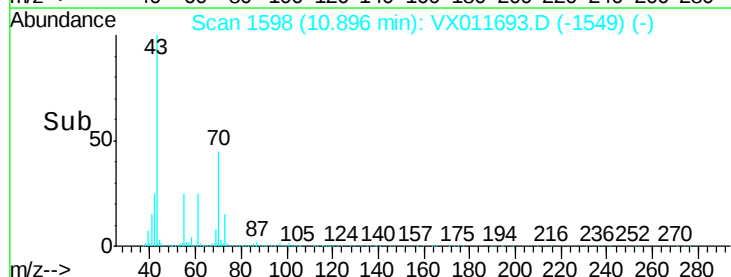
200000

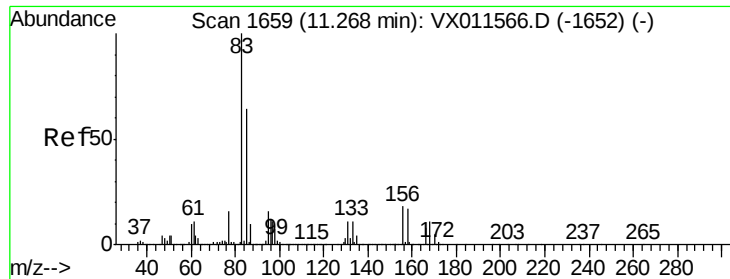
100000

0

10.90

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.122 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

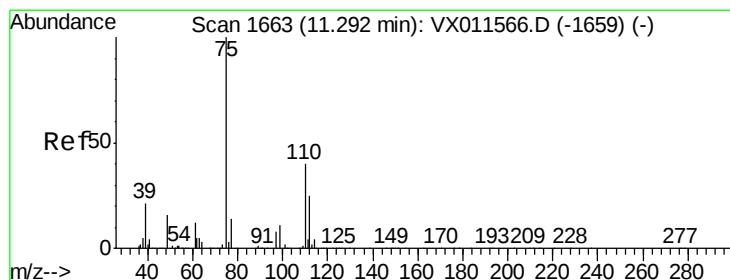
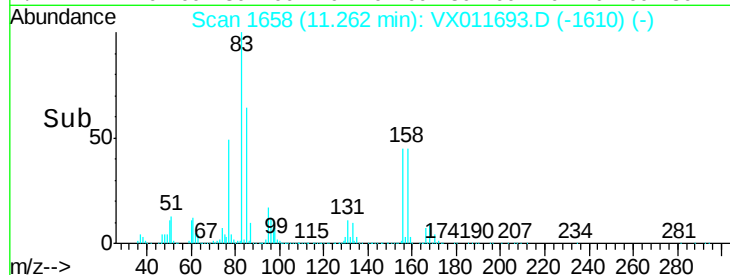
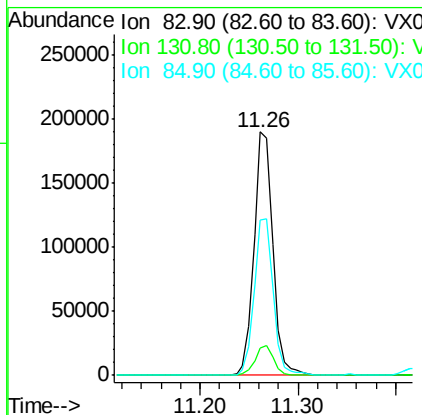
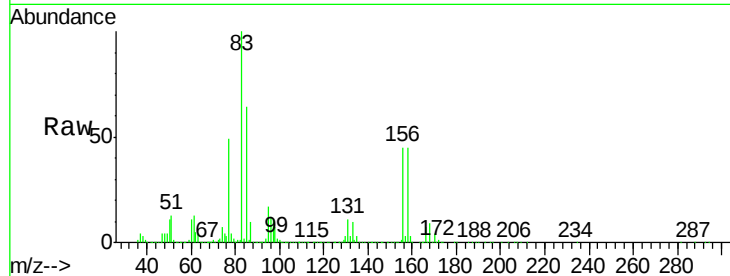
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	253751
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.8	17.3
85	65.2	31.9	95.9

Manual Integrations
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8/21/2019 8:33:37 AM



#76

1,2,3-Trichloropropane

Concen: 44.871 ug/l m

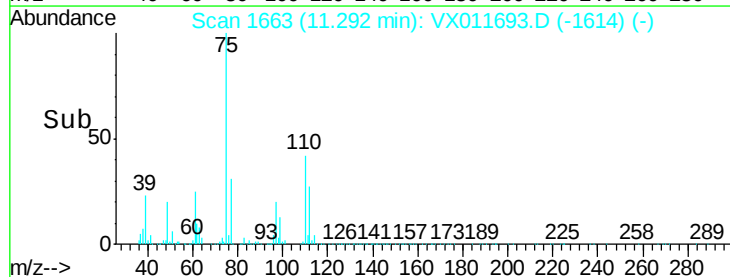
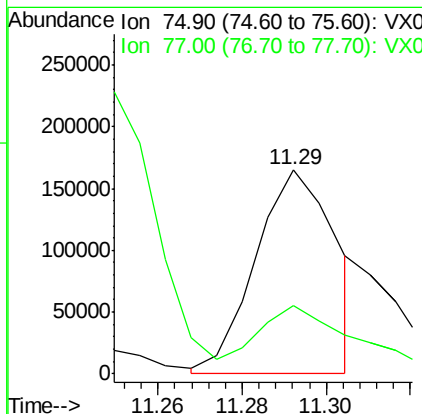
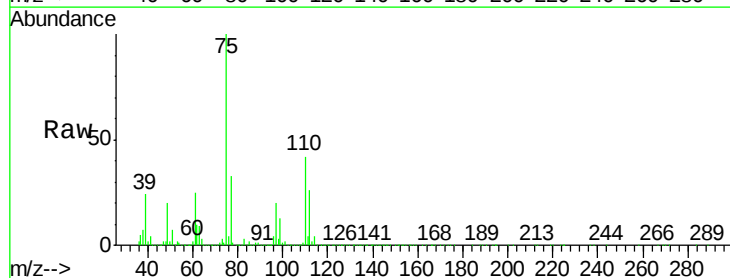
RT: 11.29 min Scan# 1663

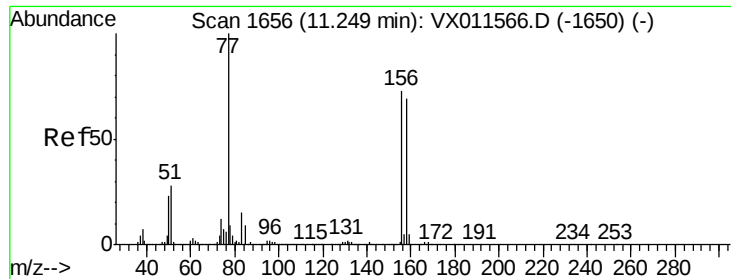
Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion:	75	Resp:	219218
Ion Ratio	Lower	Upper	
75	100		
77	41.4	20.9	62.8





#77

Bromobenzene

Concen: 43.270 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

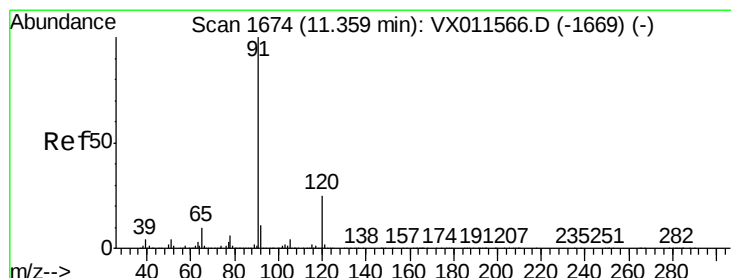
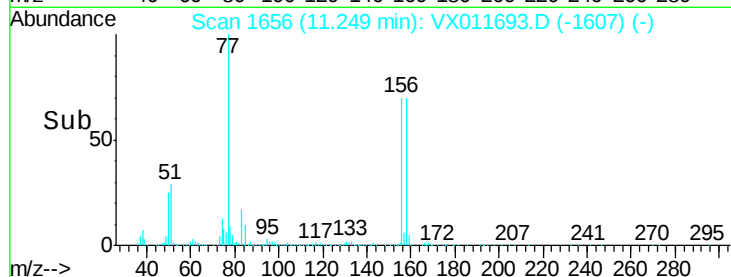
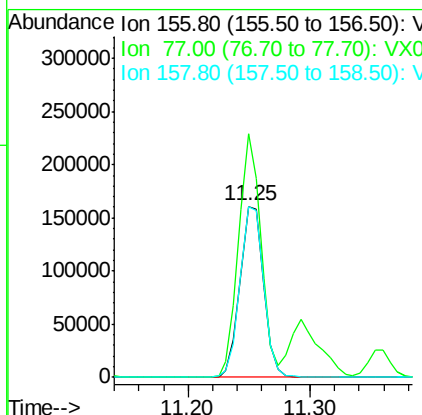
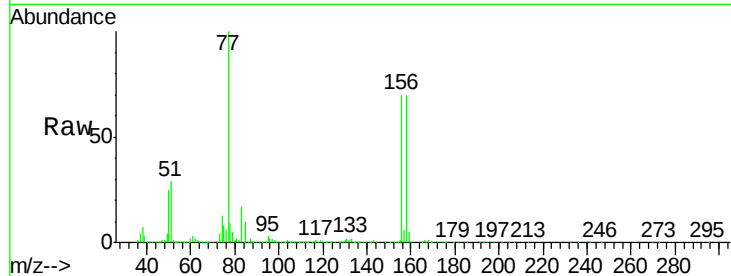
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	215226
Ion Ratio	Lower	Upper	
156	100		
77	134.5	64.6	193.9
158	99.6	48.4	145.3

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#78

n-propylbenzene

Concen: 46.577 ug/l

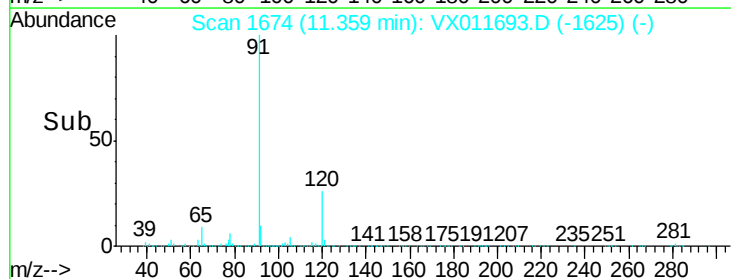
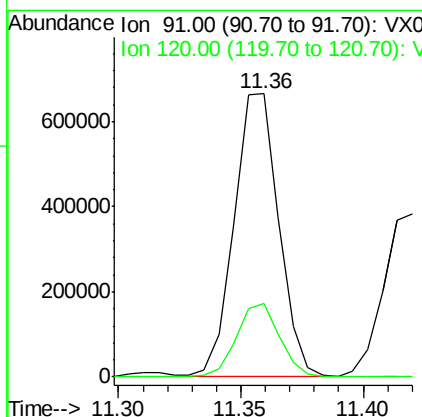
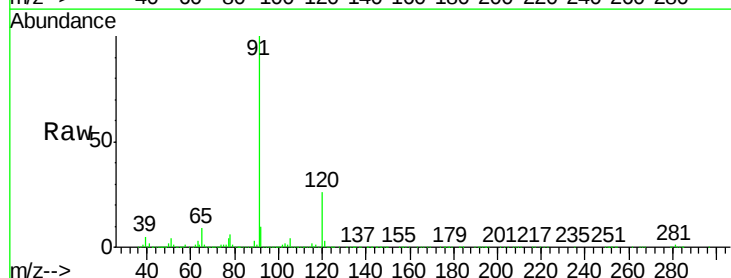
RT: 11.36 min Scan# 1674

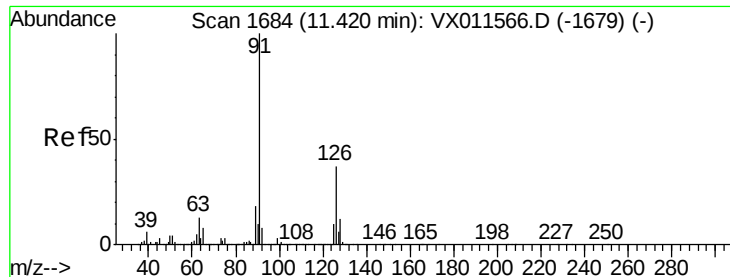
Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion:	91	Resp:	839663
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.6	37.6





#79

2-Chlorotoluene

Concen: 44.632 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 494059

Ion Ratio Lower Upper

91 100

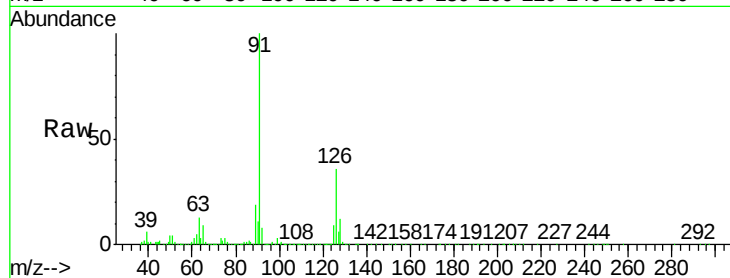
126 36.6 18.4 55.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011566.D (-1679) (-)

600000

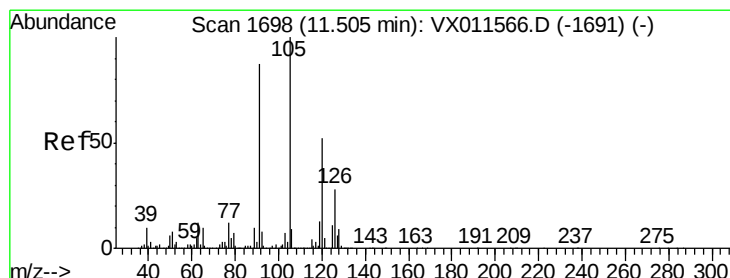
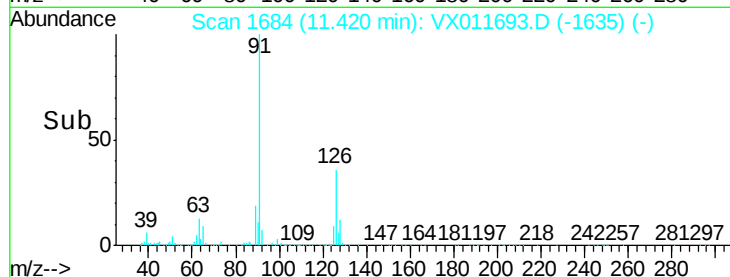
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.666 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011693.D

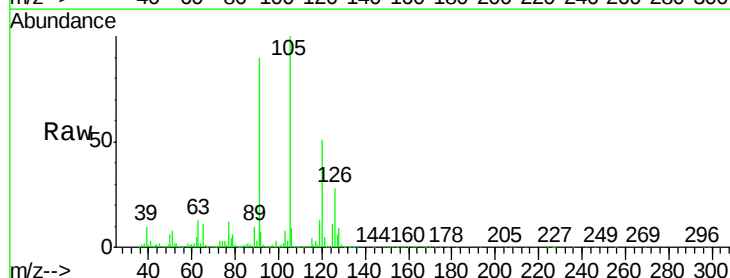
Acq: 20 Aug 2019 18:33

Tgt Ion: 105 Resp: 655380

Ion Ratio Lower Upper

105 100

120 49.8 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1691) (-)

600000

500000

400000

300000

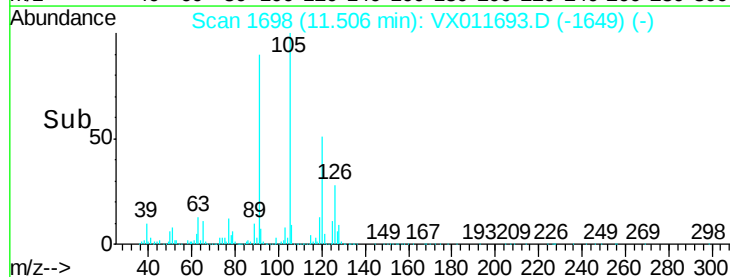
200000

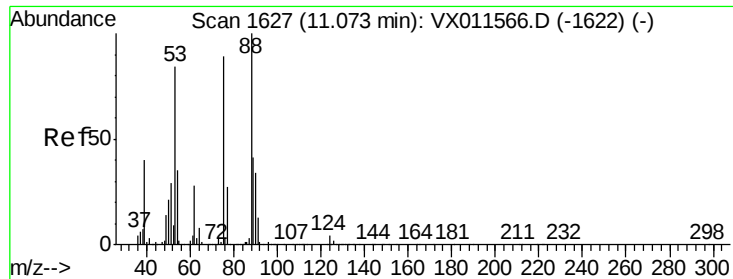
100000

0

11.45 11.50 11.55

Time-->





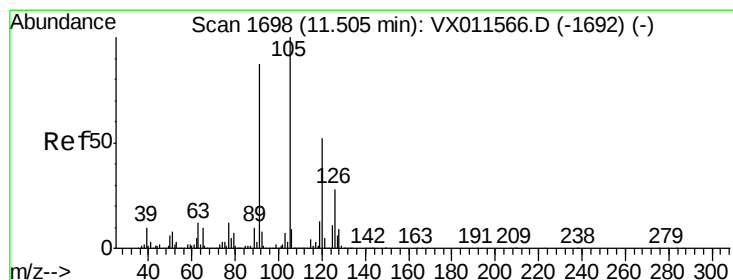
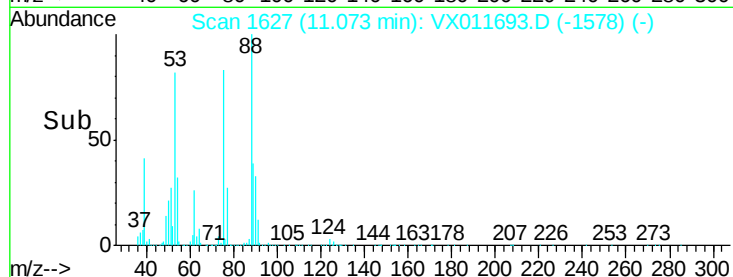
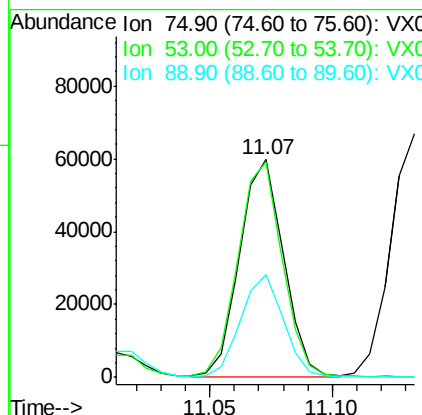
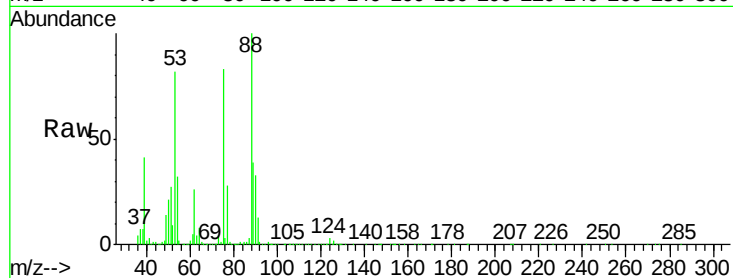
#81
trans-1,4-Dichloro-2-butene
Concen: 42.249 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	77.4	116.0
89	46.3	37.3	55.9

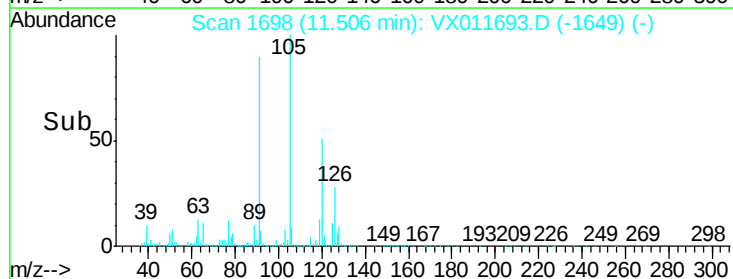
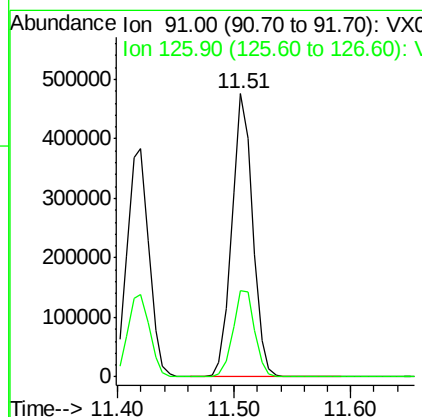
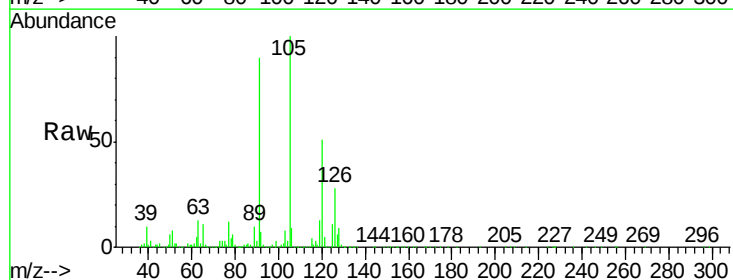
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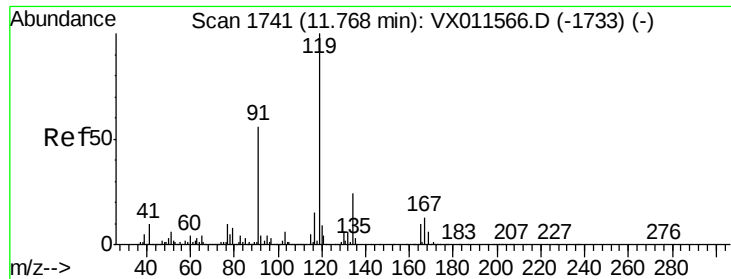
MMDadoda
8/21/2019 8:33:37 AM



#82
4-Chlorotoluene
Concen: 46.054 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.1





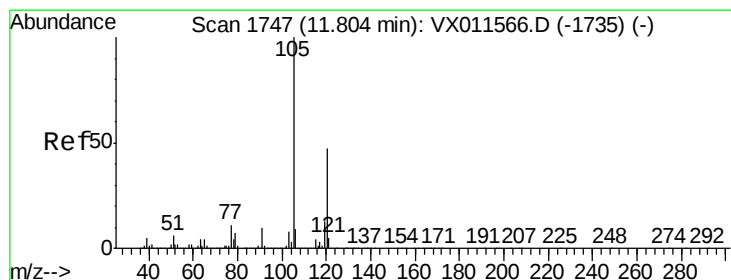
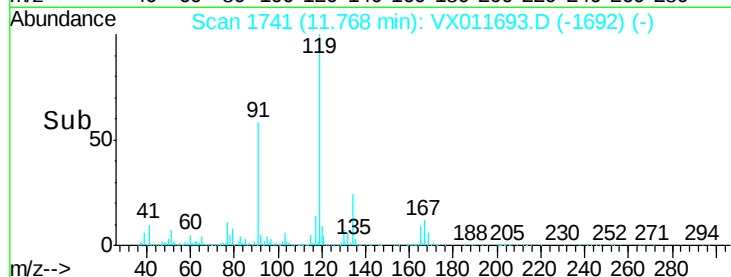
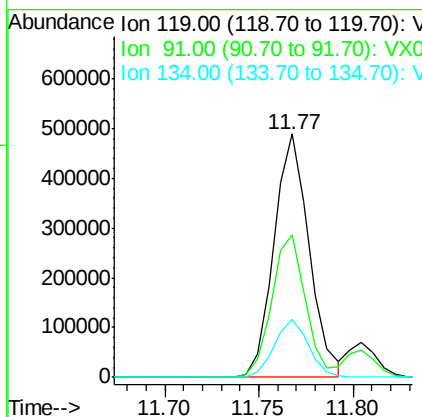
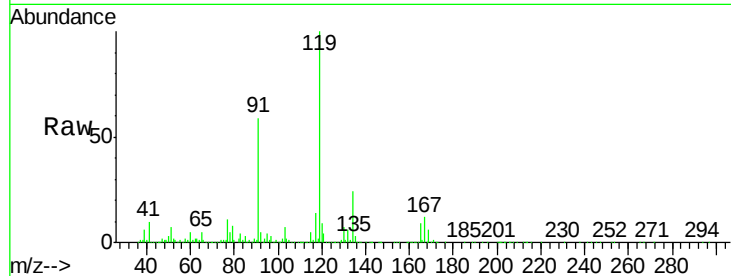
#83
tert-Butylbenzene
Concen: 44.226 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	632578		
91	55.8	27.1	81.3	
134	23.1	11.8	35.3	

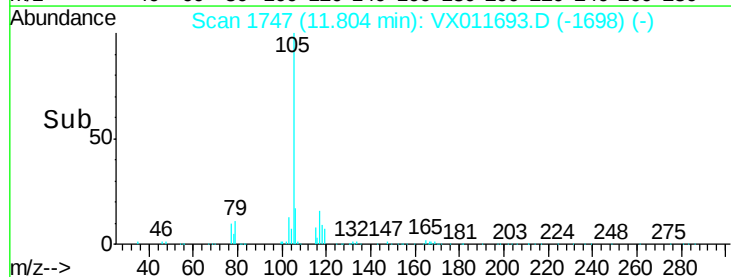
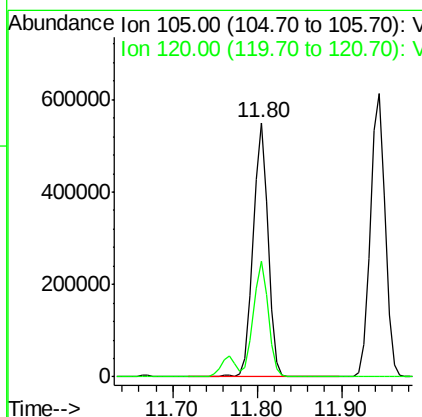
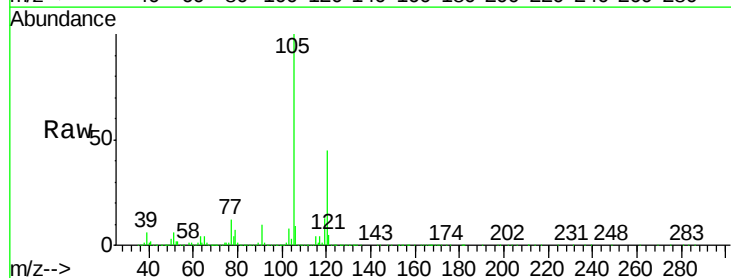
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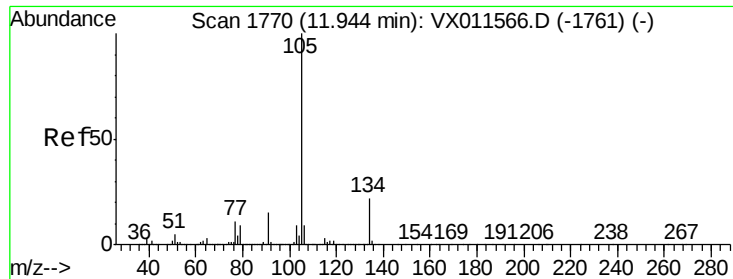
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.100 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	649969		
120	45.5	23.3	69.9	





#85

sec-Butylbenzene

Concen: 46.256 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 746469

Ion Ratio Lower Upper

105 100

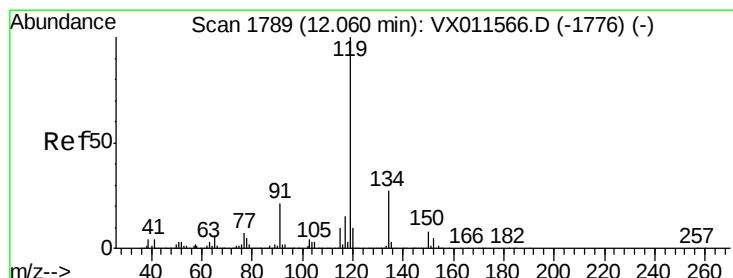
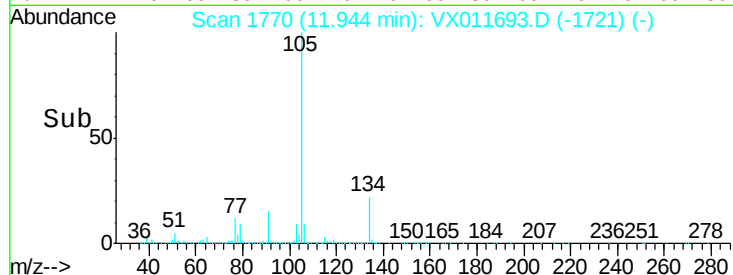
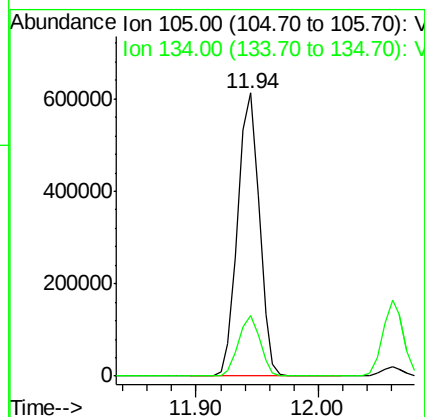
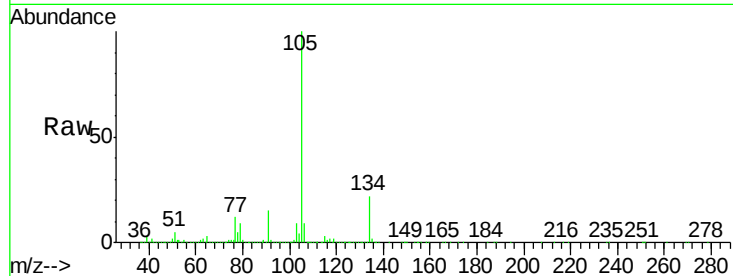
134 21.5 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.852 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

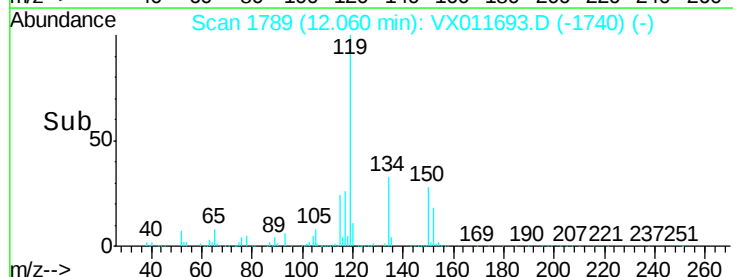
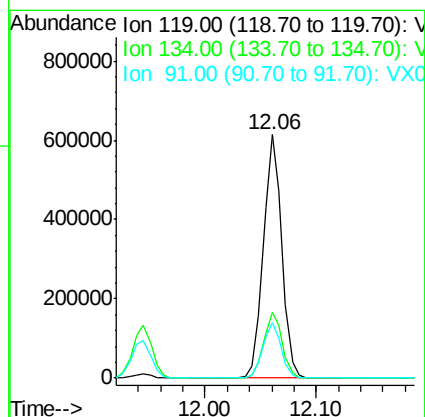
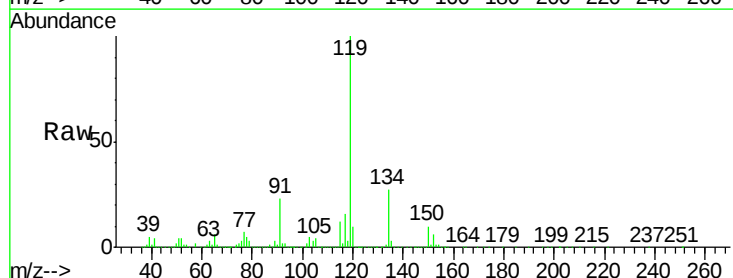
Tgt Ion:119 Resp: 711295

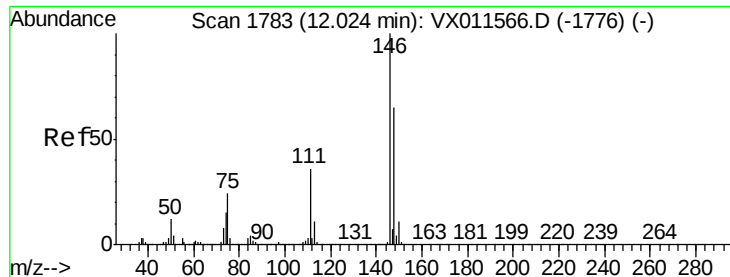
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 22.7 10.9 32.9





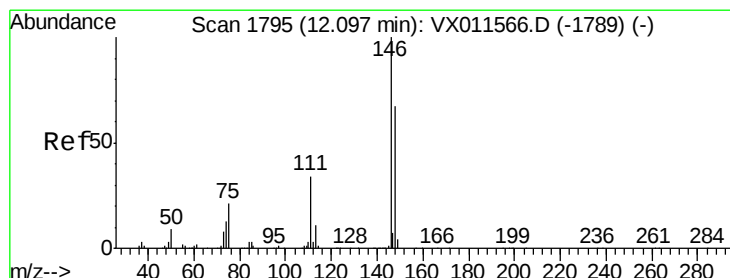
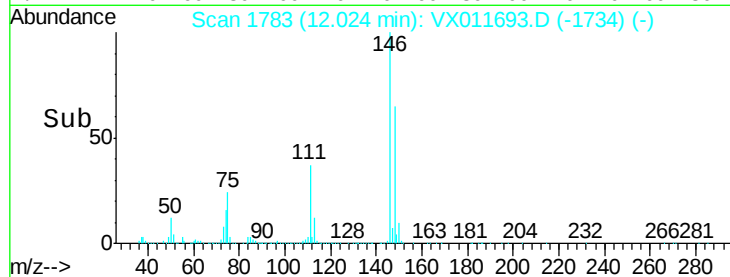
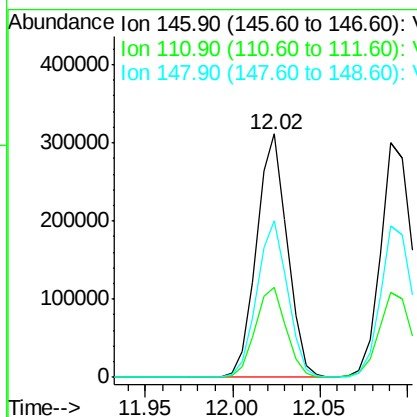
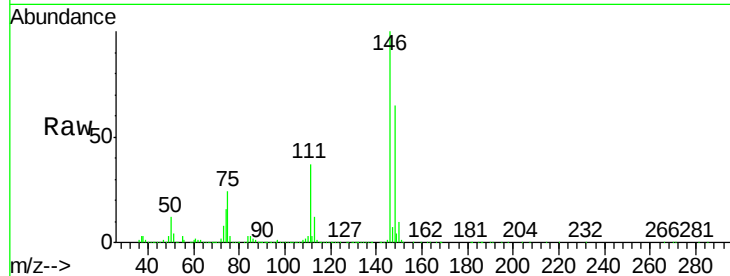
#87
 1,3-Dichlorobenzene
 Concen: 44.455 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.4
148	64.0	32.0	96.0

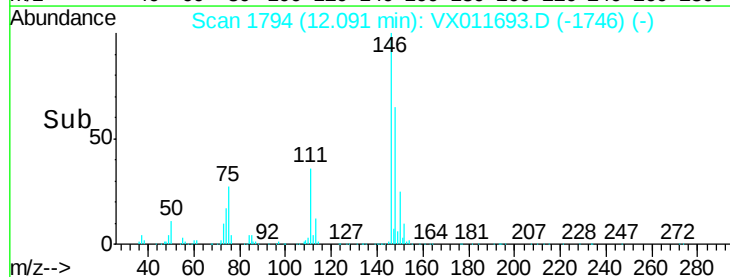
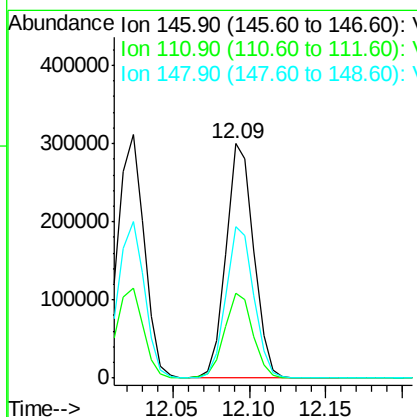
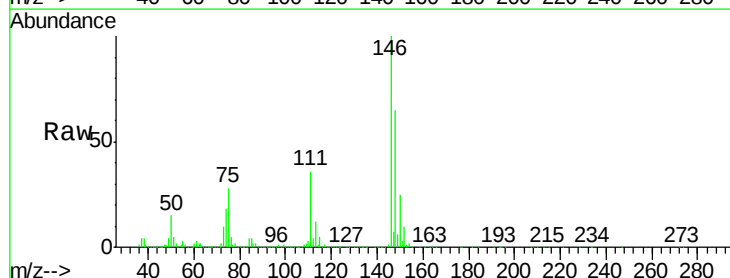
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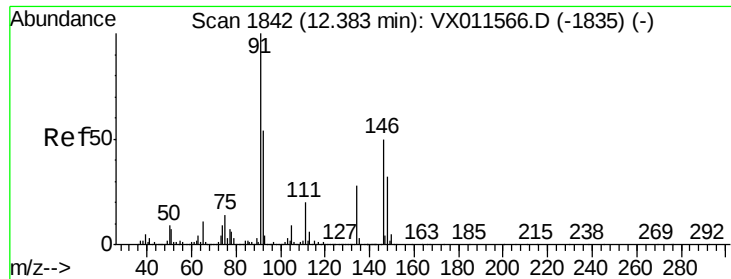
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#88
 1,4-Dichlorobenzene
 Concen: 43.281 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.9	53.7
148	64.8	32.5	97.5





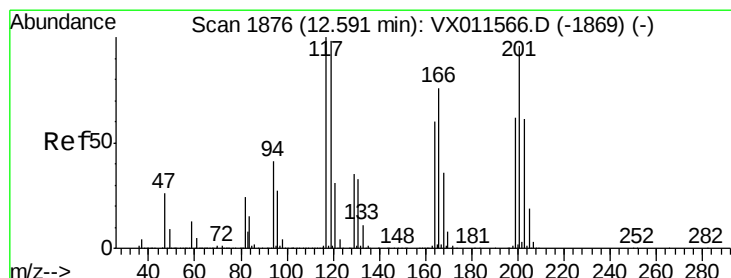
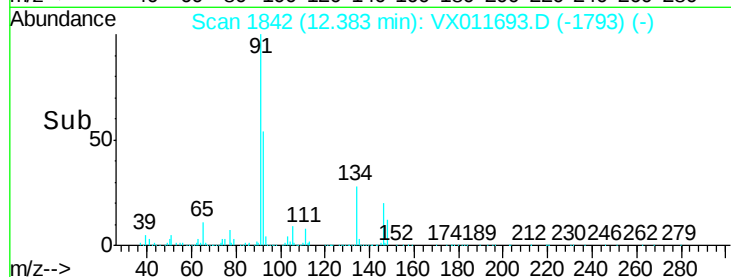
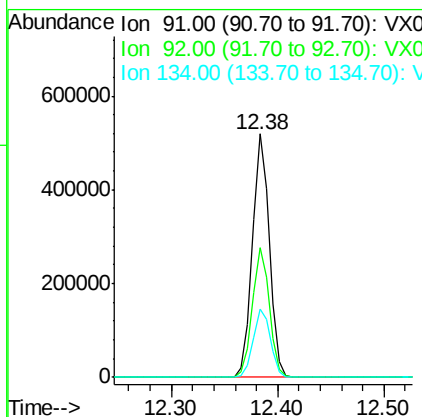
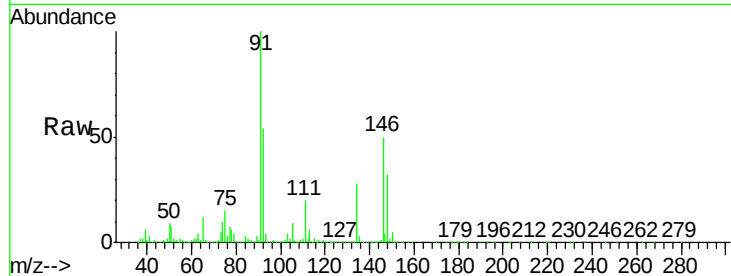
#89
n-Butylbenzene
Concen: 46.668 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	26.8	80.3	
134	28.7	14.6	44.0	

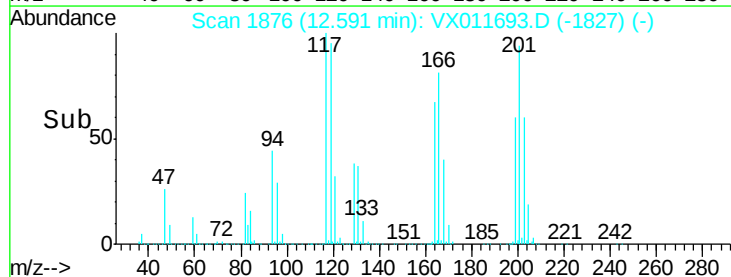
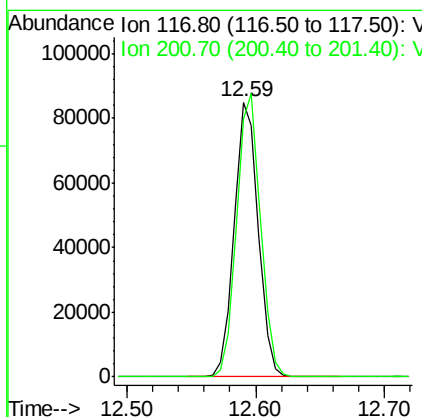
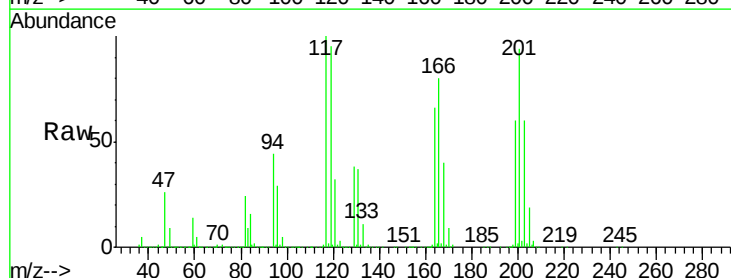
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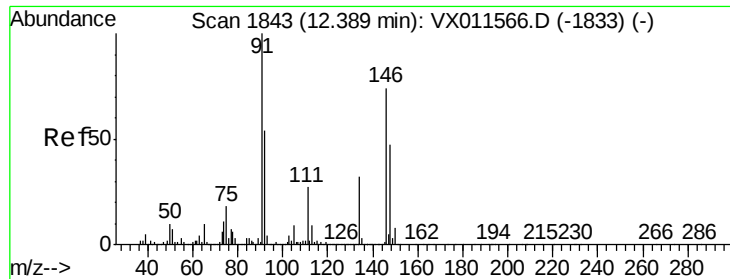
MMDadoda
8/21/2019 8:33:37 AM



#90
Hexachloroethane
Concen: 46.062 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	102.1	51.9	155.7	





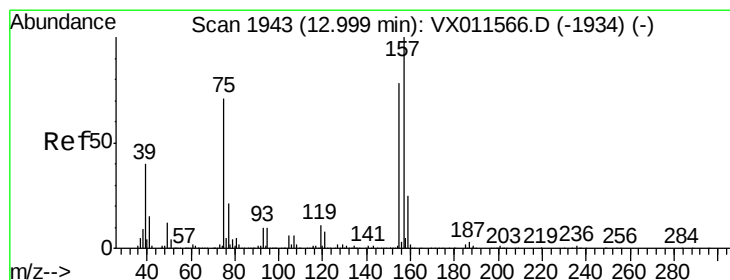
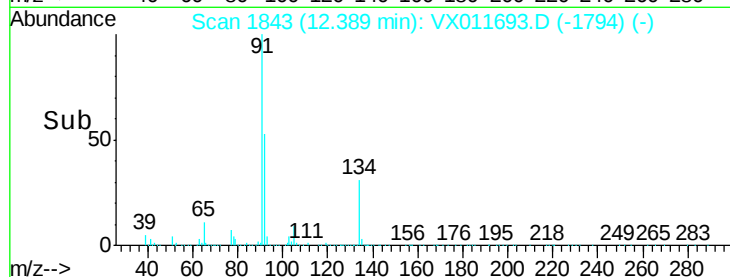
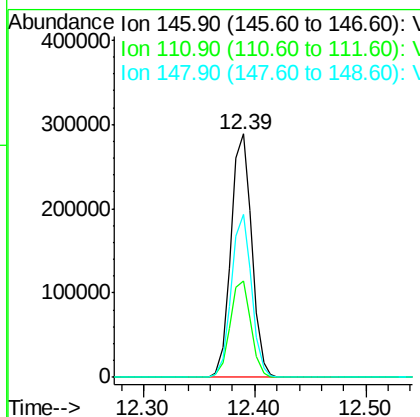
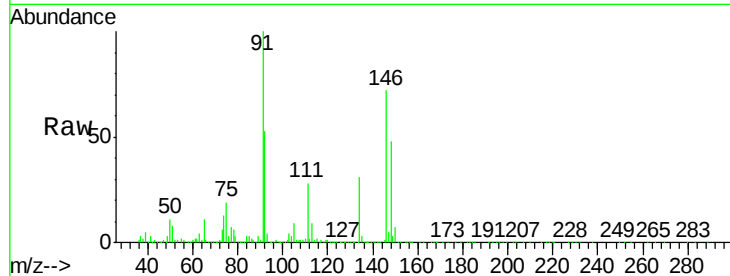
#91
 1,2-Dichlorobenzene
 Concen: 43.276 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	371407		
111	39.2	18.9	56.7	
148	65.3	31.9	95.9	

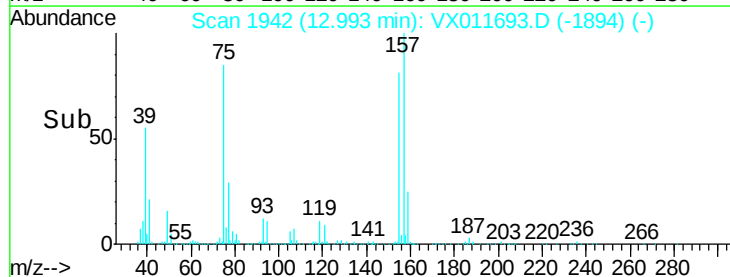
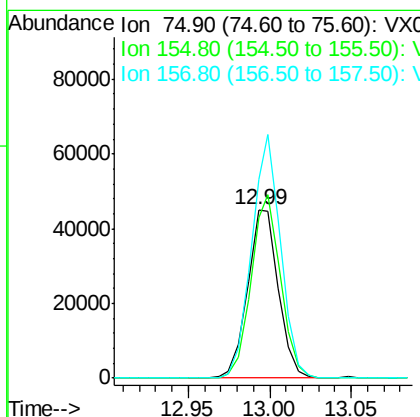
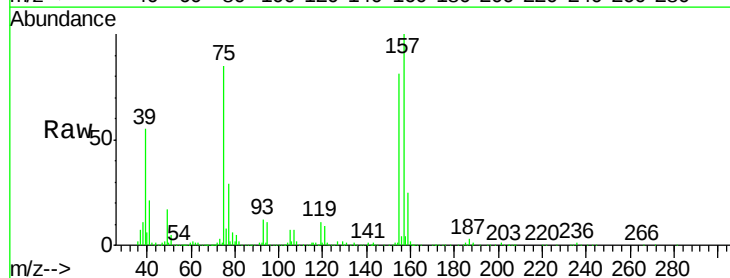
Manual Integrations
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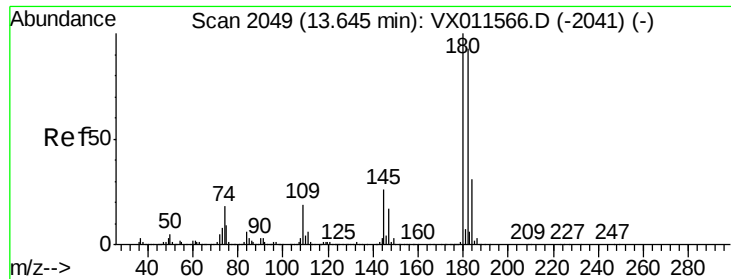
MMDadoda
 8/21/2019 8:33:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.779 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011693.D
 Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58918		
155	104.9	53.0	159.0	
157	137.0	68.3	205.1	





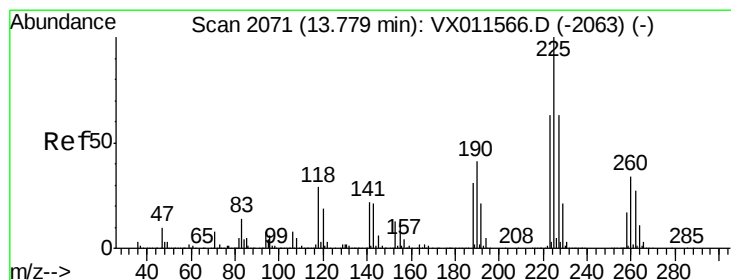
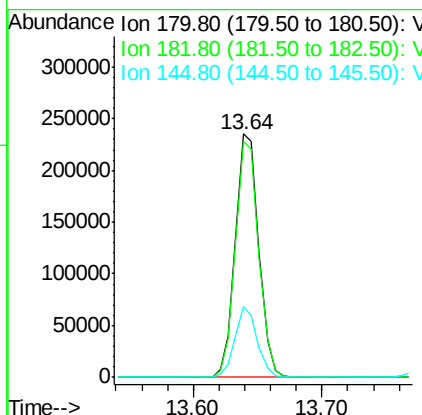
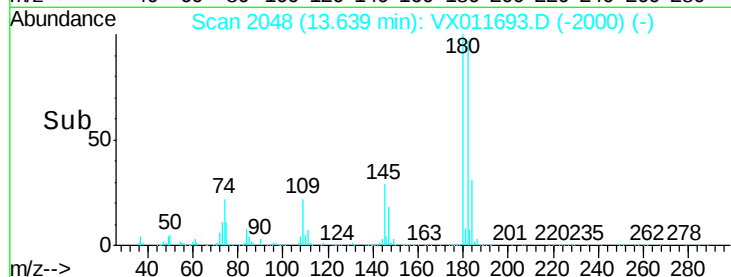
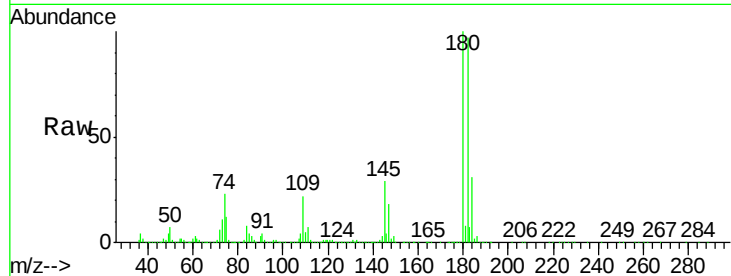
#93
1,2,4-Trichlorobenzene
Concen: 46.770 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.01 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299080		
182	96.5	47.3	142.0	
145	27.5	13.6	40.8	

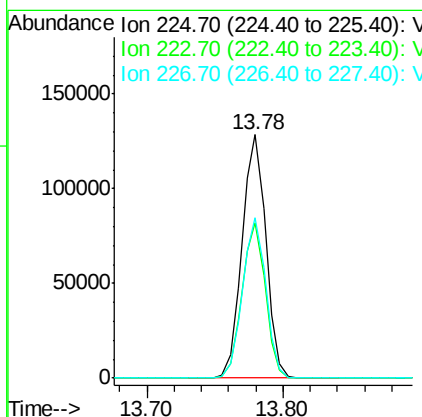
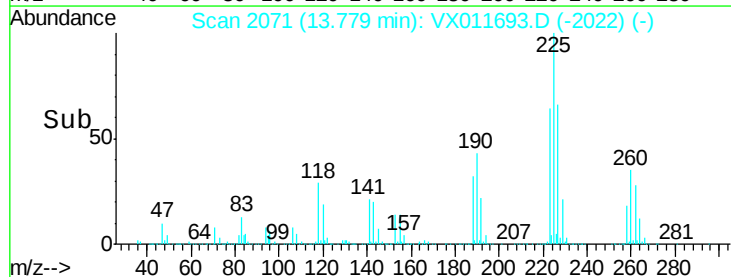
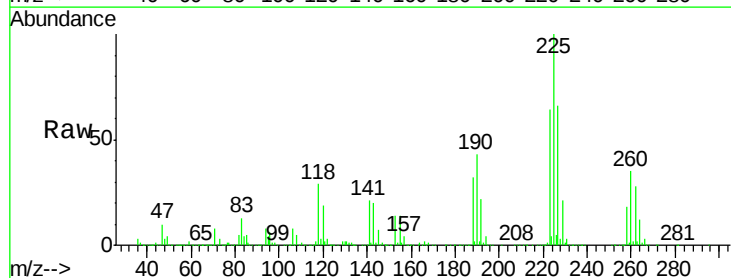
Manual Integrations
APPROVED

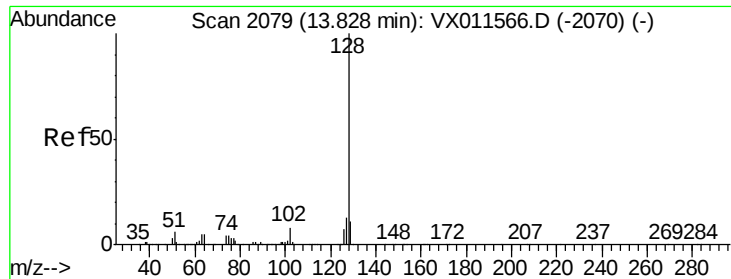
MMDadoda
8/21/2019 8:33:37 AM



#94
Hexachlorobutadiene
Concen: 44.848 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX011693.D
Acq: 20 Aug 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156160		
223	62.7	31.4	94.0	
227	64.5	31.2	93.6	





#95

Naphthalene

Concen: 49.520 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Instrument :

MSVOA_X

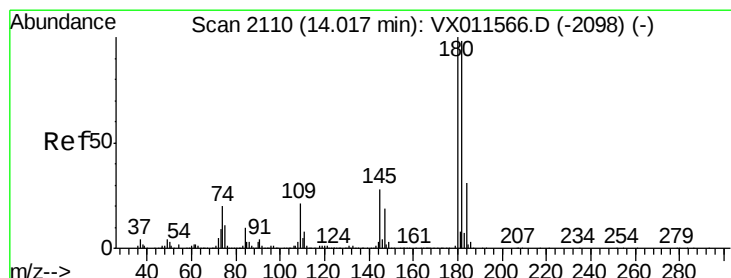
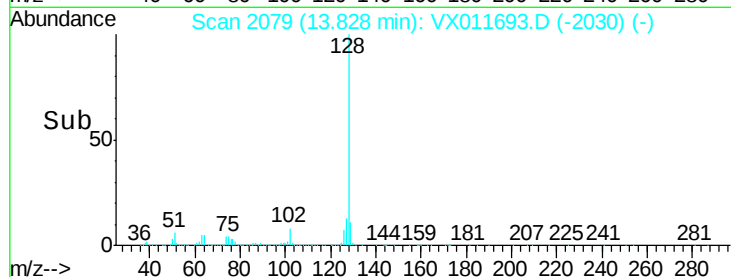
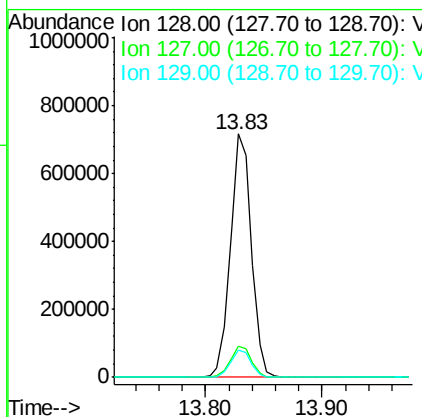
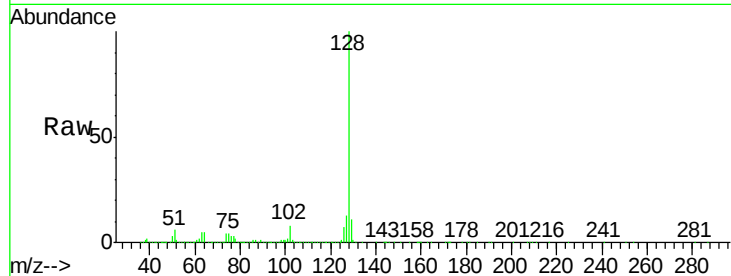
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	895228
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:33:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.406 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011693.D

Acq: 20 Aug 2019 18:33

Tgt Ion:	180	Resp:	305761
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.0	144.0
145	30.2	14.6	43.8

