

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011497.D
 Acq On : 12 Aug 2019 20:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:18:17 AM

Quant Time: Aug 13 08:56:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	154341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	230350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	220364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	114342	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	87546	56.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.66%	
35) Dibromofluoromethane	5.49	113	75871	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	8.71	98	274578	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
62) 4-Bromofluorobenzene	11.13	95	104853	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	55150	46.265	ug/l	98
3) Chloromethane	1.32	50	57701	43.105	ug/l	99
4) Vinyl Chloride	1.40	62	62941	42.745	ug/l	99
5) Bromomethane	1.63	94	47910	45.622	ug/l	98
6) Chloroethane	1.71	64	44149	48.343	ug/l	98
7) Trichlorofluoromethane	1.92	101	117237	44.779	ug/l	96
8) Diethyl Ether	2.18	74	41437	44.324	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67794	47.856	ug/l	96
10) Methyl Iodide	2.50	142	82916	46.426	ug/l	96
11) Tert butyl alcohol	3.04	59	86213	278.159	ug/l	100
12) 1,1-Dichloroethene	2.36	96	64433	45.884	ug/l	87
13) Acrolein	2.29	56	41890	217.426	ug/l	98
14) Allyl chloride	2.72	41	100550	53.711	ug/l	96
15) Acrylonitrile	3.14	53	199380	269.572	ug/l	99
16) Acetone	2.44	43	174237	235.514	ug/l	97
17) Carbon Disulfide	2.56	76	143869	43.659	ug/l	99
18) Methyl Acetate	2.76	43	95617	56.555	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	226918	54.834	ug/l	98
20) Methylene Chloride	2.85	84	76856	47.435	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	69881	47.044	ug/l	91
22) Diisopropyl ether	3.85	45	217267	52.806	ug/l	98
23) Vinyl Acetate	3.81	43	953089	279.288	ug/l	98
24) 1,1-Dichloroethane	3.69	63	126045	51.953	ug/l	99
25) 2-Butanone	4.67	43	279480	265.568	ug/l	98
26) 2,2-Dichloropropane	4.57	77	89633	47.526	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	84557	49.420	ug/l	98
28) Bromochloromethane	5.01	49	60438	54.643	ug/l	95
29) Tetrahydrofuran	5.12	42	174783	270.868	ug/l	99
30) Chloroform	5.20	83	140707	53.361	ug/l	96
31) Cyclohexane	5.57	56	95874	47.898	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	124046	54.915	ug/l	100
36) 1,1-Dichloropropene	5.79	75	96568	48.016	ug/l	99
37) Ethyl Acetate	4.82	43	104360	51.731	ug/l	99
38) Carbon Tetrachloride	5.78	117	108336	53.542	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	104298	43.751	ug/l	96
40) Benzene	6.14	78	294079	49.001	ug/l	97
41) Methacrylonitrile	5.04	41	58406	53.013	ug/l	97
42) 1,2-Dichloroethane	6.19	62	111392	54.889	ug/l	97
43) Isopropyl Acetate	6.44	43	170170	52.761	ug/l	100
44) Trichloroethene	7.21	130	86549	47.644	ug/l	96
45) 1,2-Dichloropropane	7.51	63	76215	49.036	ug/l	97
46) Dibromomethane	7.66	93	55902	49.268	ug/l	97
47) Bromodichloromethane	7.90	83	105443	54.888	ug/l	99
48) Methyl methacrylate	7.77	41	83552	55.046	ug/l	97
49) 1,4-Dioxane	7.73	88	42832	973.363	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	574947	276.221	ug/l	99
52) Toluene	8.78	92	197344	49.734	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	109002	48.794	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	118133	52.643	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	84983	52.090	ug/l	98
56) Ethyl methacrylate	9.18	69	126108	54.242	ug/l	96
57) 1,3-Dichloropropane	9.37	76	132497	51.352	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	294133	257.301	ug/l	99
59) 2-Hexanone	9.49	43	438362	271.897	ug/l	99
60) Dibromochloromethane	9.58	129	91930	55.038	ug/l	98
61) 1,2-Dibromoethane	9.67	107	90925	51.585	ug/l	98
64) Tetrachloroethene	9.34	164	85378	45.622	ug/l	95
65) Chlorobenzene	10.13	112	224212	47.453	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	85411	52.802	ug/l	99
67) Ethyl Benzene	10.25	91	385761	48.750	ug/l	100
68) m/p-Xylenes	10.35	106	300995	98.341	ug/l	98
69) o-Xylene	10.69	106	145253	48.300	ug/l	97
70) Styrene	10.71	104	250428	50.327	ug/l	98
71) Bromoform	10.85	173	68502	47.512	ug/l	100
73) Isopropylbenzene	11.02	105	397898	50.881	ug/l	99
74) N-amyl acetate	10.90	43	152527	53.979	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	131153	50.326	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	113606m	54.558	ug/l	
77) Bromobenzene	11.25	156	108517	50.042	ug/l	97
78) n-propylbenzene	11.36	91	438388	50.409	ug/l	99
79) 2-Chlorotoluene	11.42	91	263755	50.885	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	334998	51.174	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35043	45.396	ug/l	93
82) 4-Chlorotoluene	11.51	91	309094	51.167	ug/l	98
83) tert-Butylbenzene	11.77	119	328788	51.209	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	335202	51.430	ug/l	99
85) sec-Butylbenzene	11.94	105	386877	50.153	ug/l	99
86) p-Isopropyltoluene	12.06	119	359842	50.707	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	188285	49.141	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	189554	47.977	ug/l	99
89) n-Butylbenzene	12.38	91	301005	49.233	ug/l	99
90) Hexachloroethane	12.59	117	56315	53.675	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	188349	48.924	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28223	55.898	ug/l	95

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QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	127439	49.915	ug/l	97
94) Hexachlorobutadiene	13.78	225	59788	46.156	ug/l	98
95) Naphthalene	13.83	128	396549	53.112	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	126560	48.759	ug/l	99

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

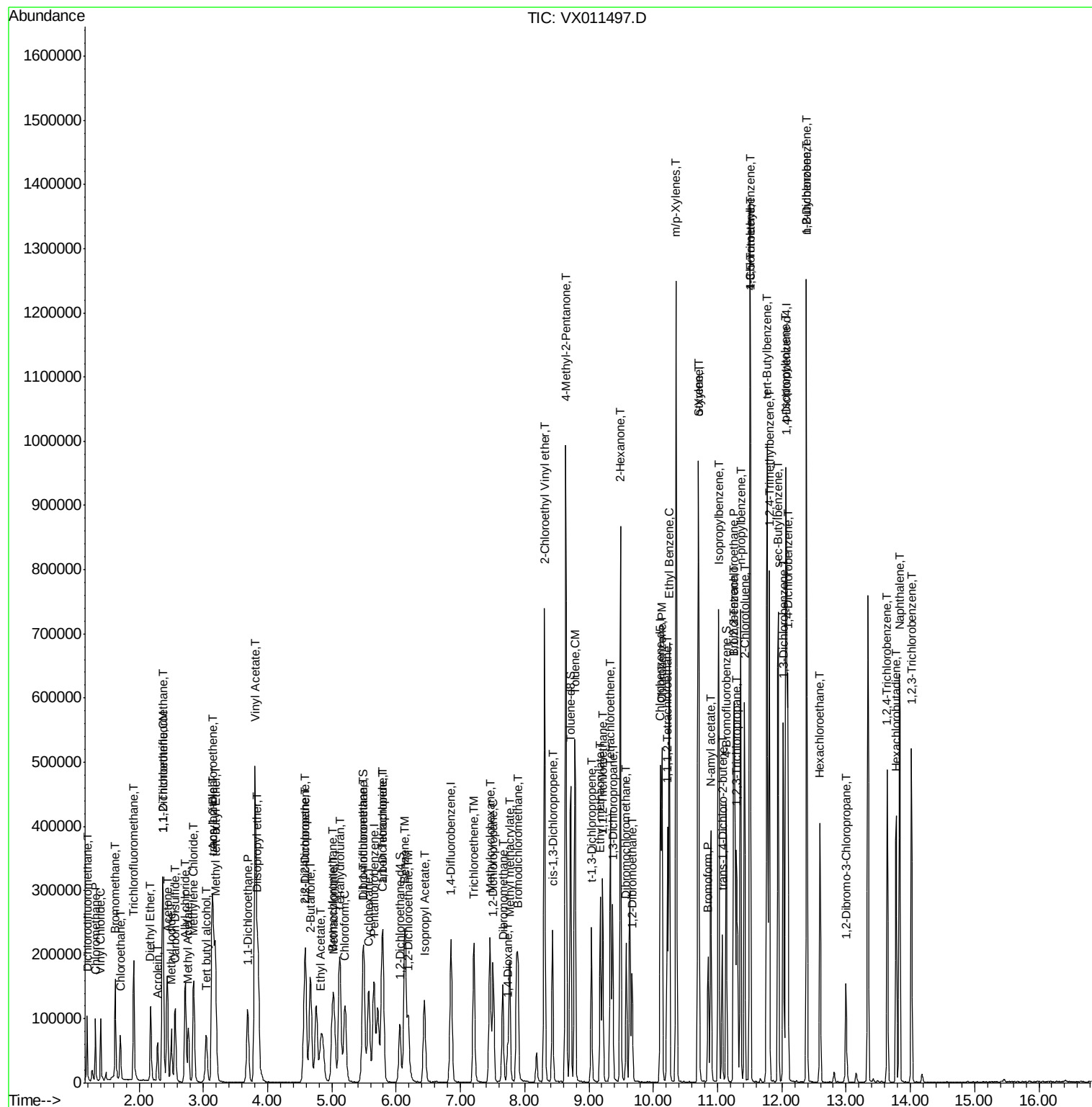
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Data File : VX011497.D
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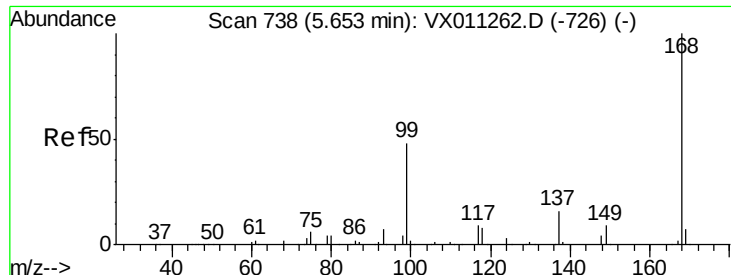
Instrument :
MSVOA_X
Client Sample ID :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 154341

Ion Ratio Lower Upper

168 100

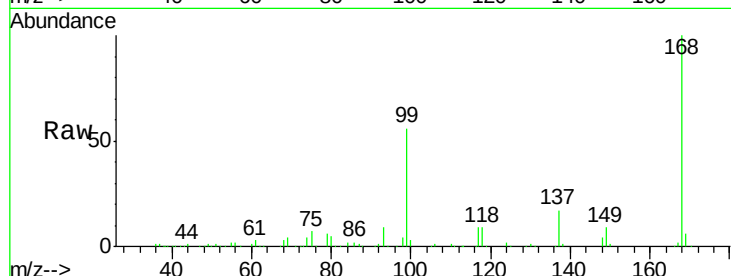
99 55.6 38.5 57.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

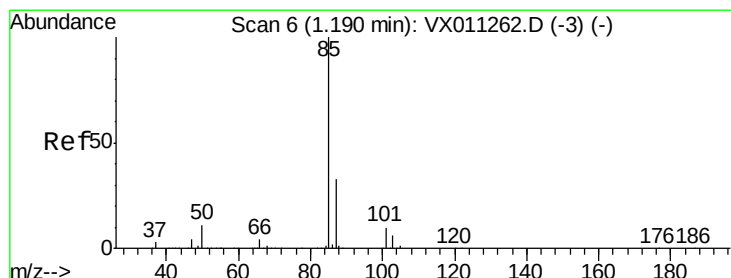
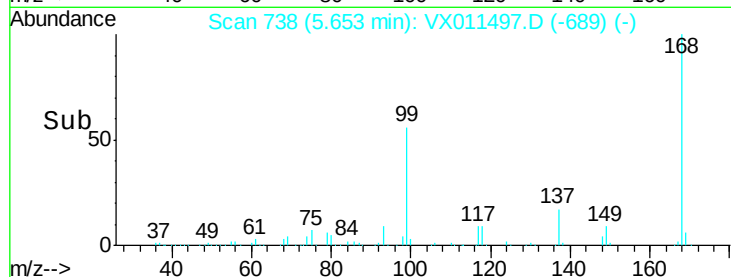
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.265 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011497.D

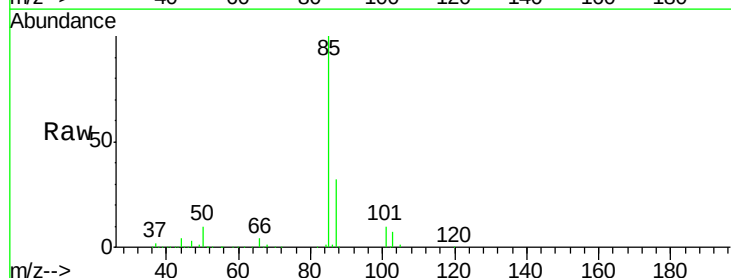
Acq: 12 Aug 2019 20:33

Tgt Ion: 85 Resp: 55150

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

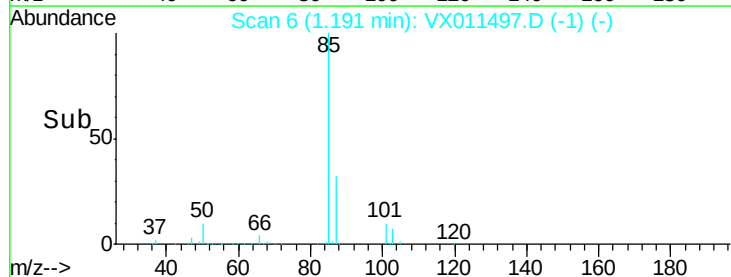
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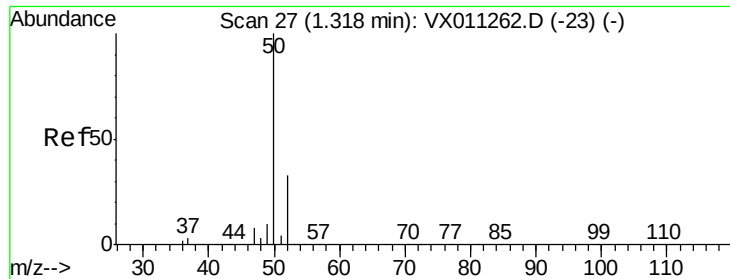
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 43.105 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 57701

Ion Ratio Lower Upper

50 100

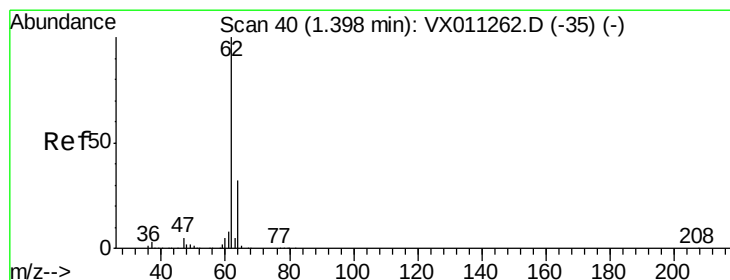
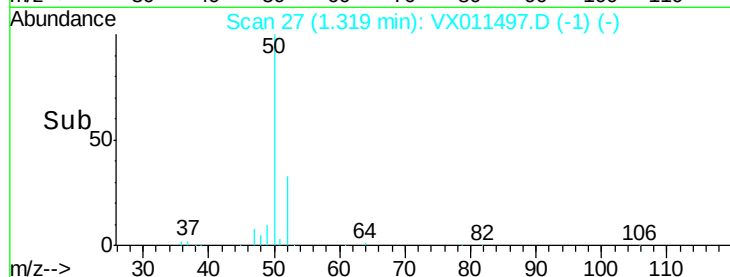
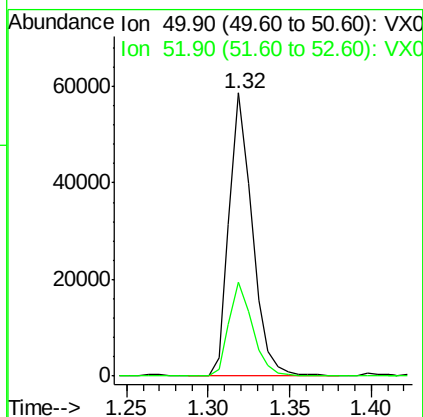
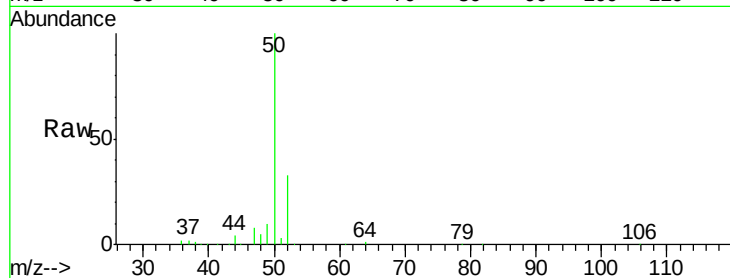
52 33.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.745 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011497.D

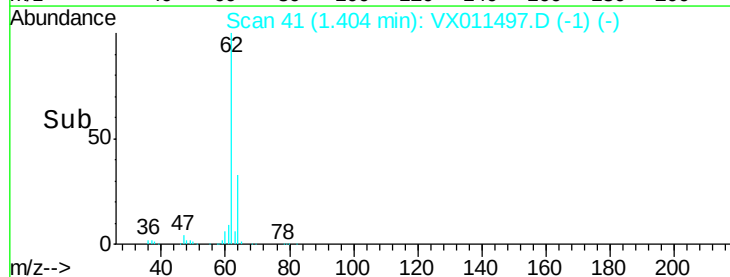
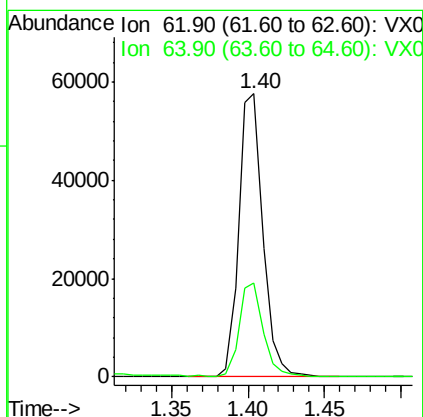
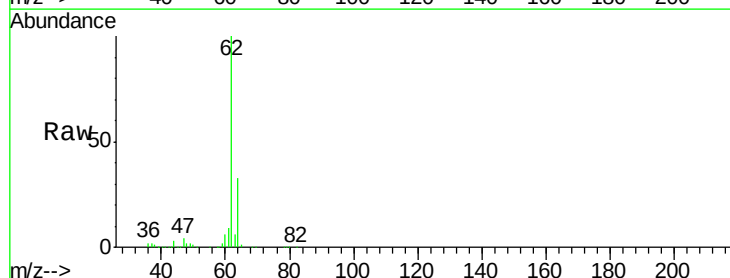
Acq: 12 Aug 2019 20:33

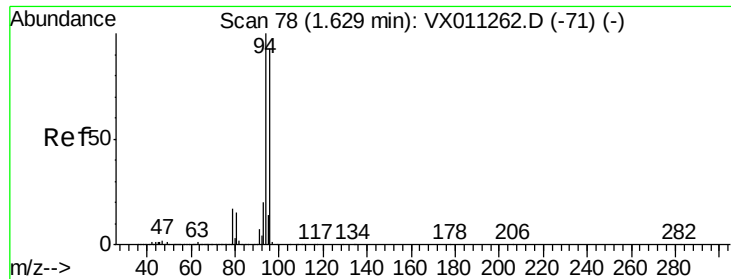
Tgt Ion: 62 Resp: 62941

Ion Ratio Lower Upper

62 100

64 33.0 26.0 39.0





#5

Bromomethane

Concen: 45.622 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 47910

Ion Ratio Lower Upper

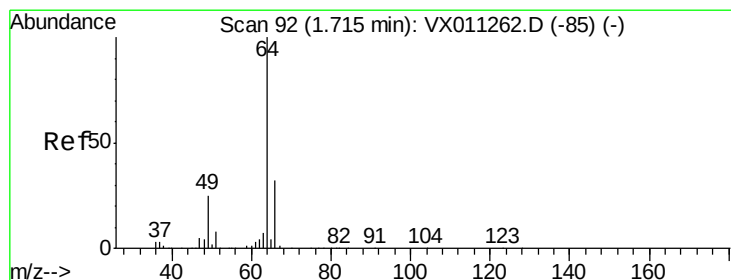
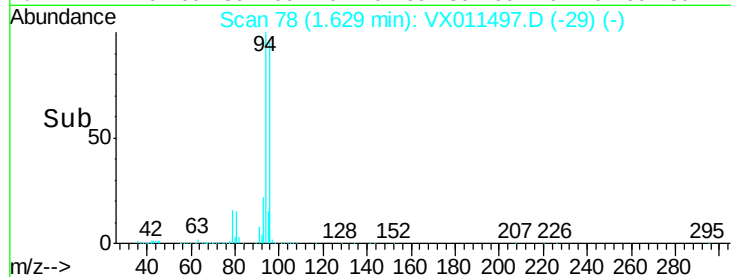
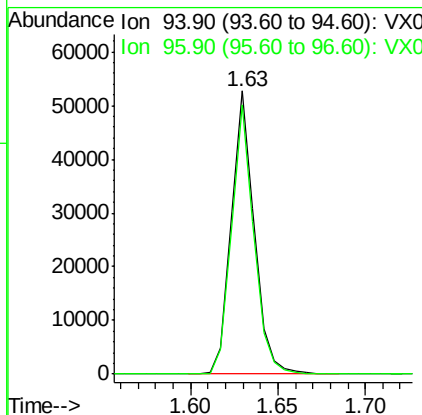
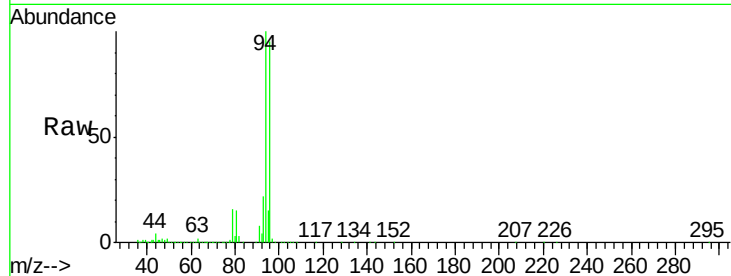
94 100

96 95.5 74.6 112.0

Manual Integrations
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#6

Chloroethane

Concen: 48.343 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011497.D

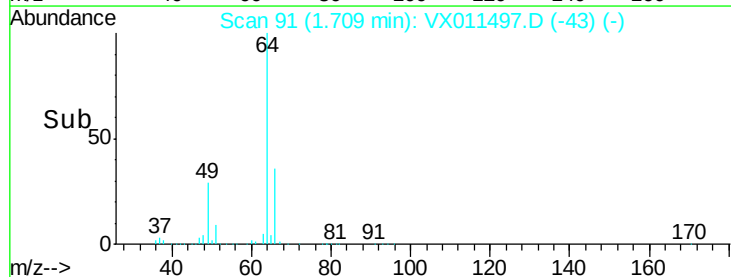
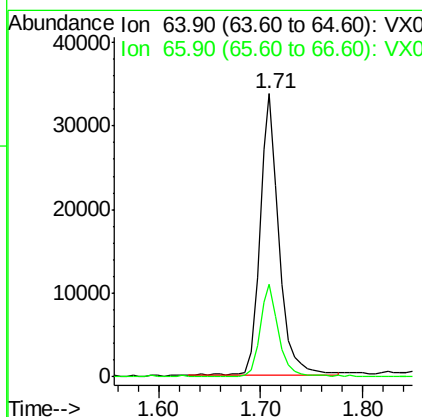
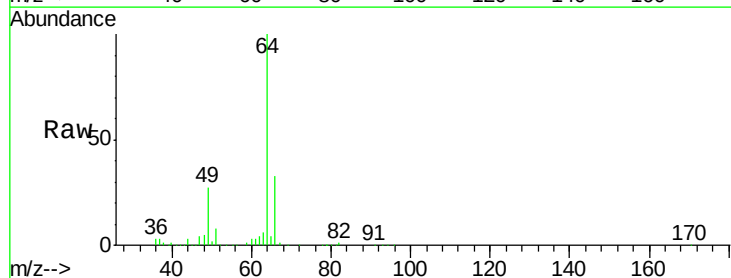
Acq: 12 Aug 2019 20:33

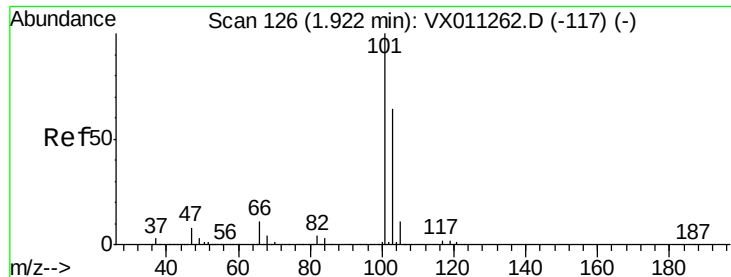
Tgt Ion: 64 Resp: 44149

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7





#7

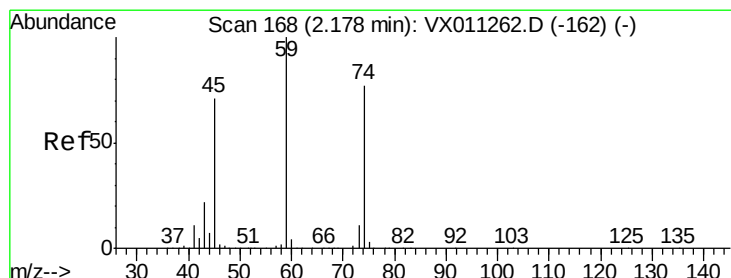
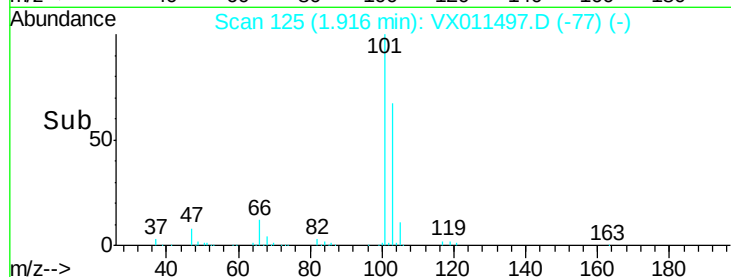
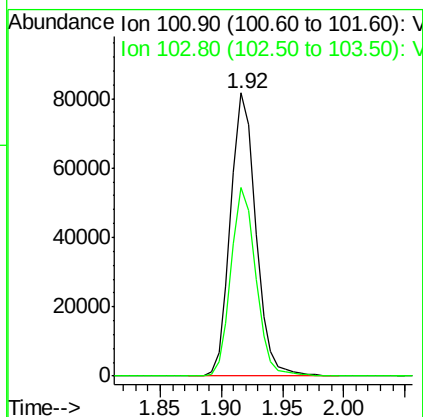
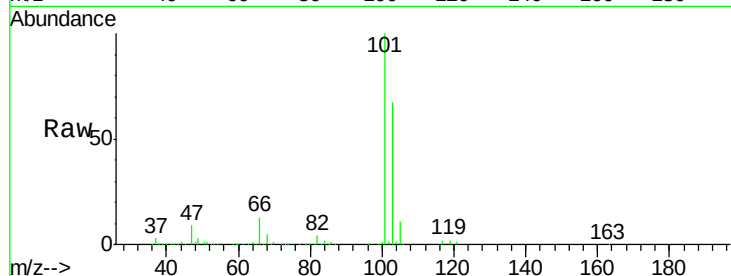
Trichlorofluoromethane
Concen: 44.779 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	50.9	76.3

Manual Integrations
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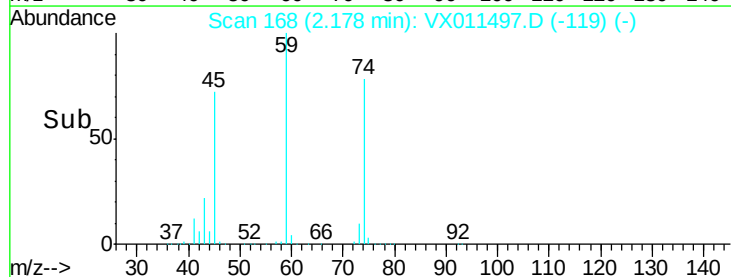
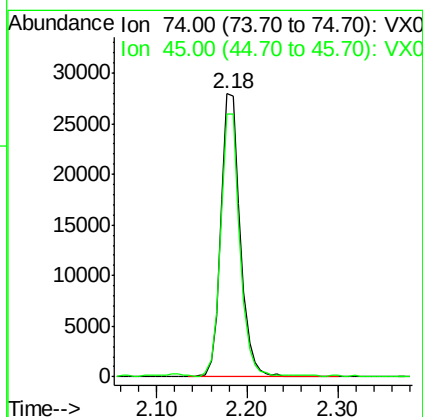
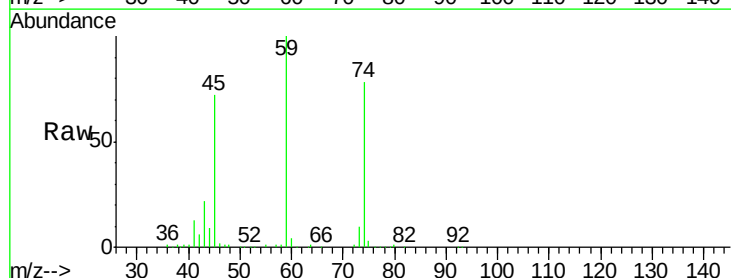
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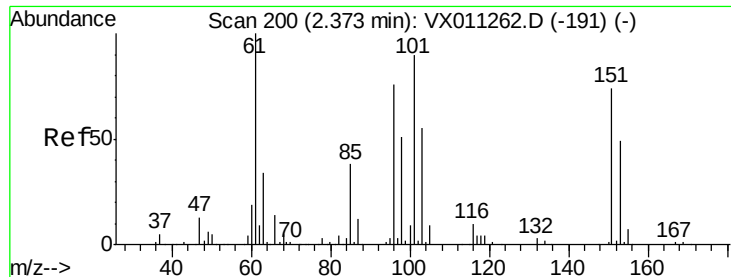


#8

Diethyl Ether
Concen: 44.324 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.6	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.856 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

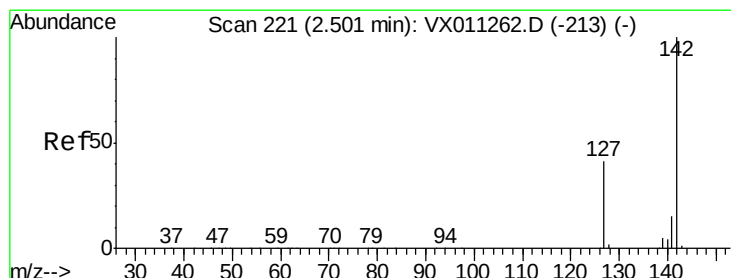
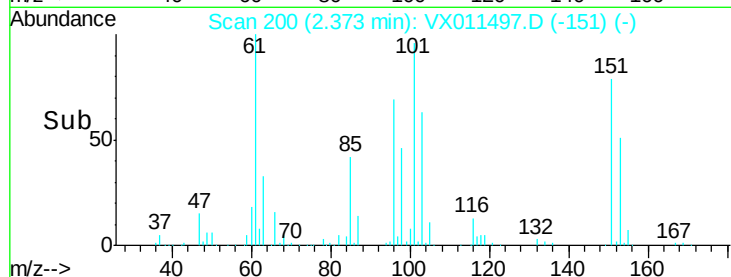
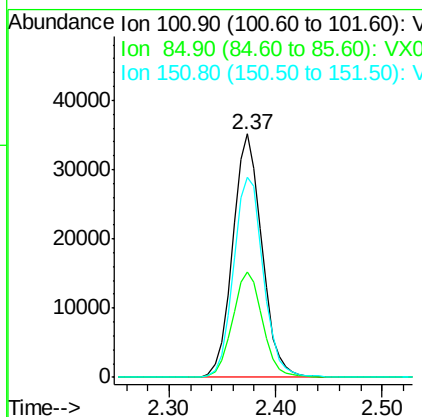
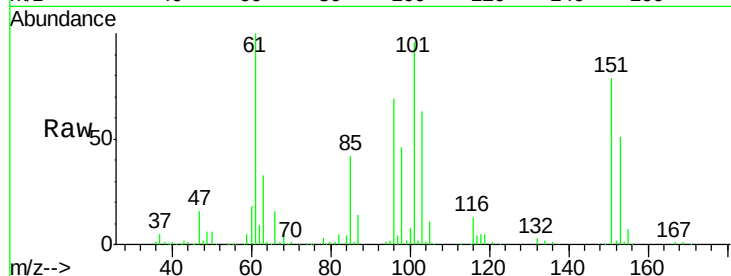
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	67794
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.8	50.6
151	83.5	69.5	104.3

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#10

Methyl Iodide

Concen: 46.426 ug/l

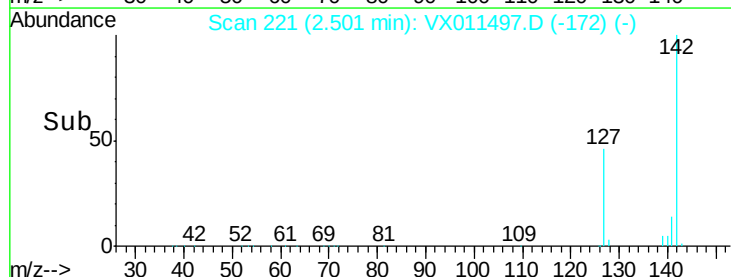
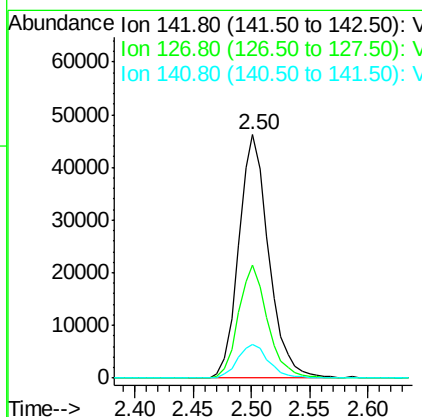
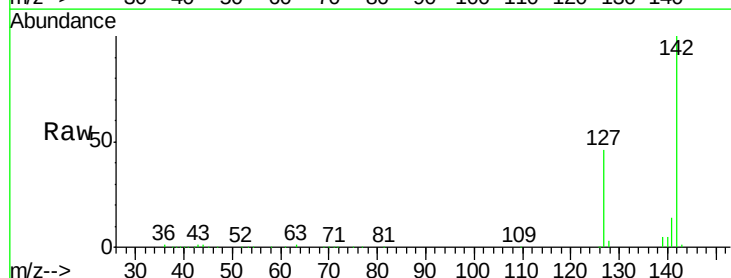
RT: 2.50 min Scan# 221

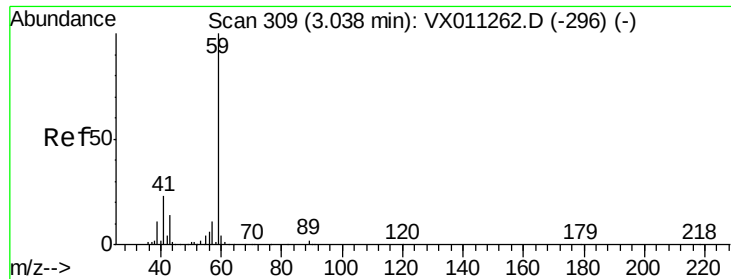
Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Tgt Ion:	142	Resp:	82916
Ion Ratio	Lower	Upper	
142	100		
127	45.4	33.8	50.8
141	14.5	11.4	17.2





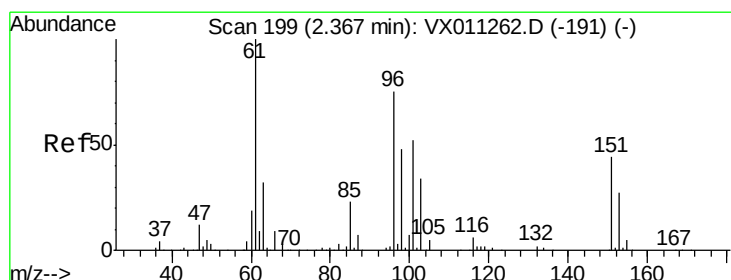
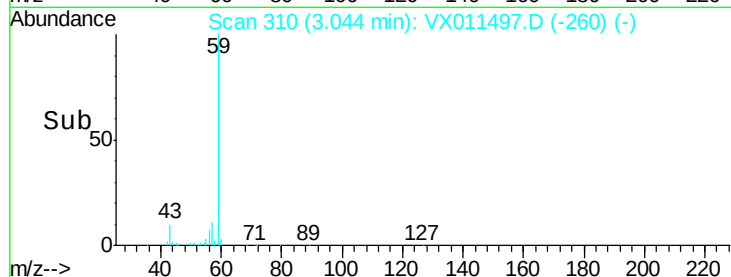
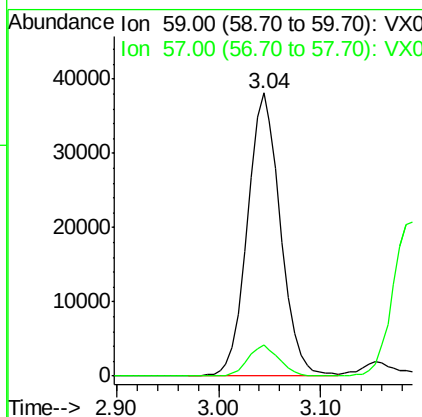
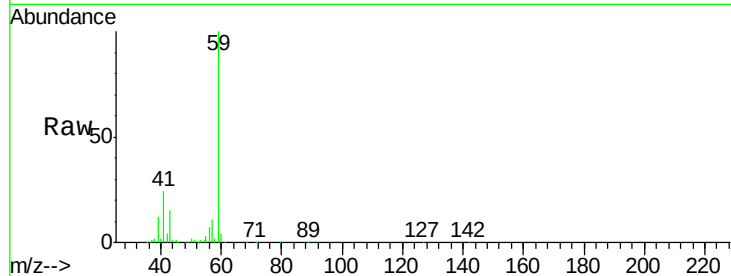
#11
Tert butyl alcohol
Concen: 278.159 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 86213
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

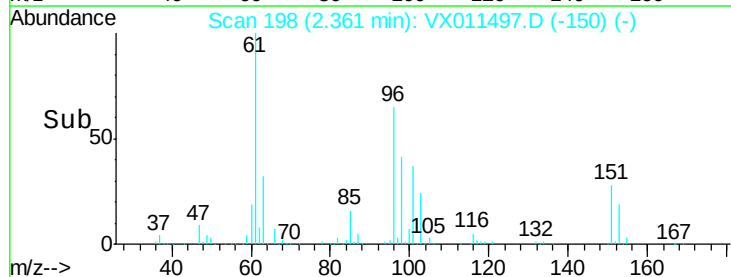
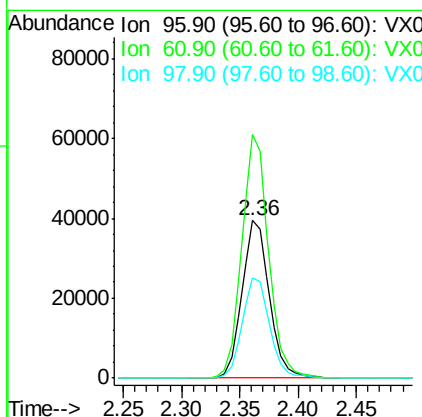
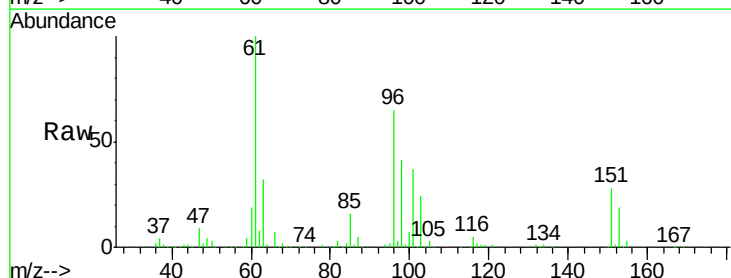
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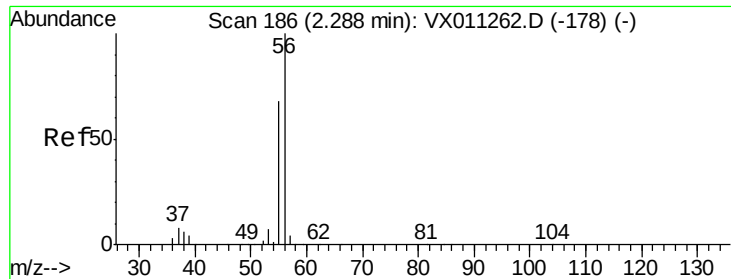
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.884 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion: 96 Resp: 64433
Ion Ratio Lower Upper
96 100
61 154.3 106.2 159.2
98 63.5 50.6 75.8





#13

Acrolein

Concen: 217.426 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41890

Ion Ratio Lower Upper

56 100

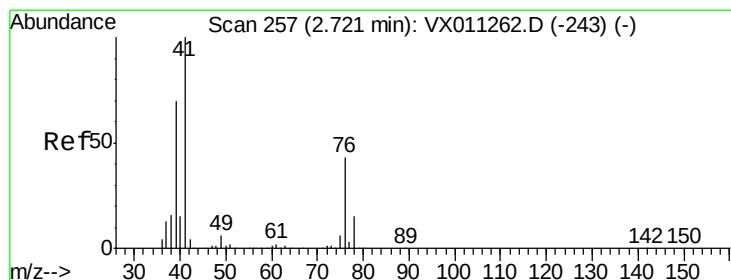
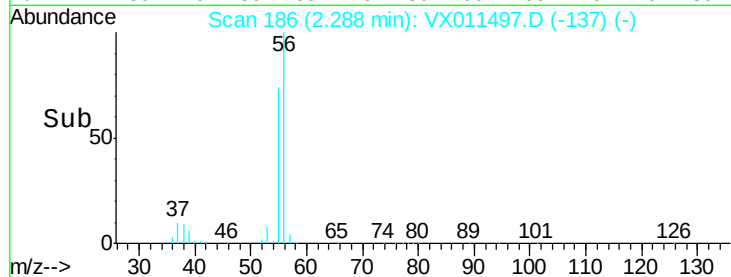
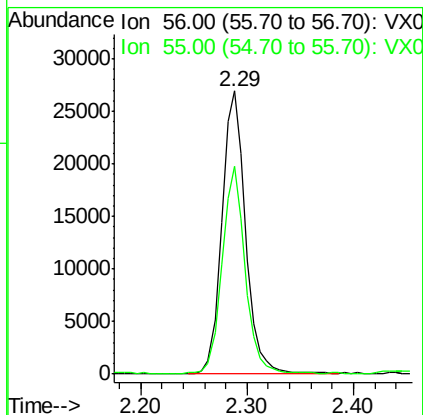
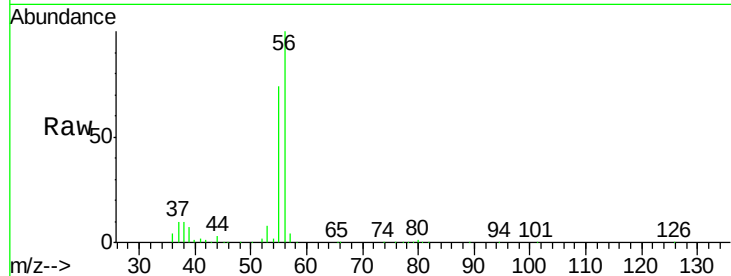
55 72.0 56.0 84.0

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#14

Allyl chloride

Concen: 53.711 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

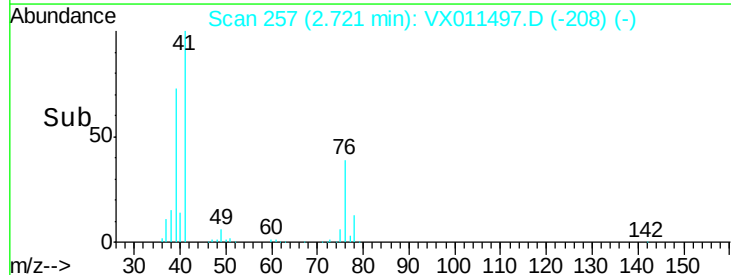
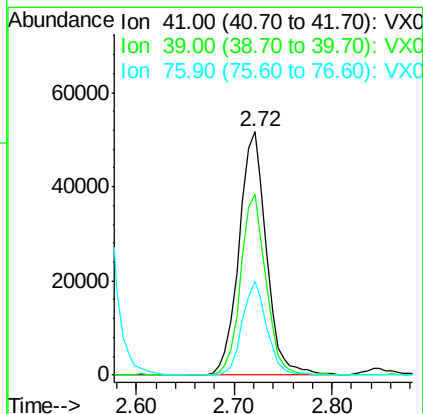
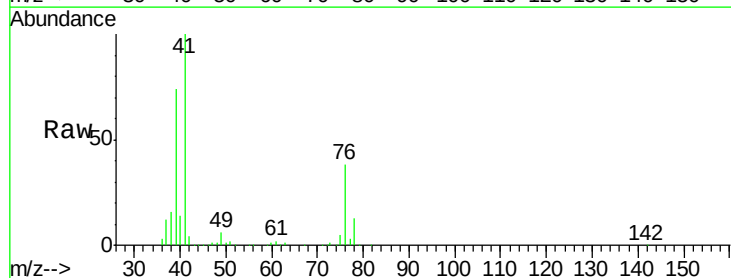
Tgt Ion: 41 Resp: 100550

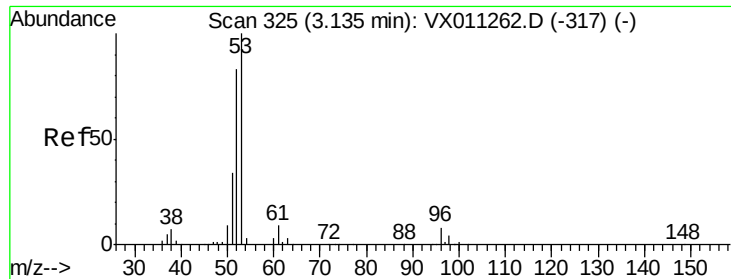
Ion Ratio Lower Upper

41 100

39 67.9 52.8 79.2

76 34.4 31.1 46.7





#15

Acrylonitrile

Concen: 269.572 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

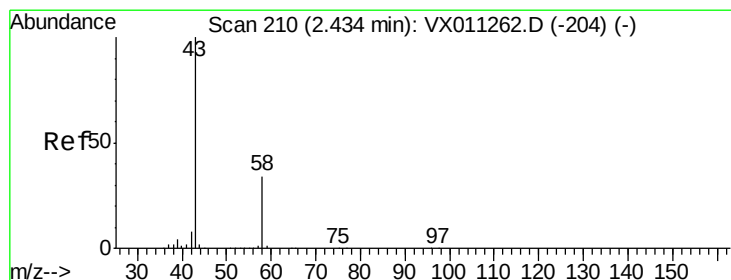
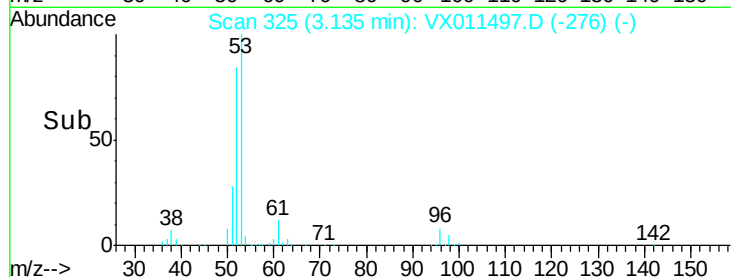
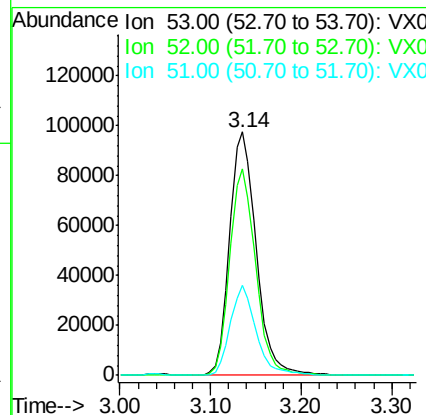
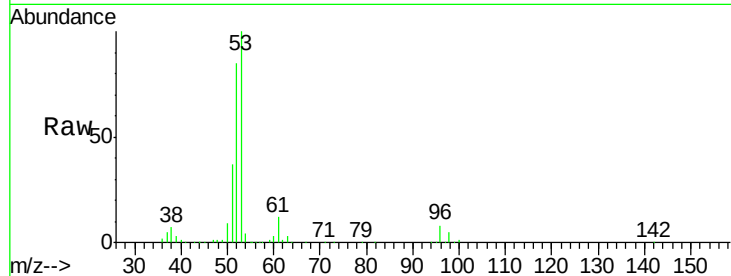
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	199380
Ion Ratio		Lower	Upper
53	100		
52	82.7	65.5	98.3
51	36.3	27.9	41.9

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#16

Acetone

Concen: 235.514 ug/l

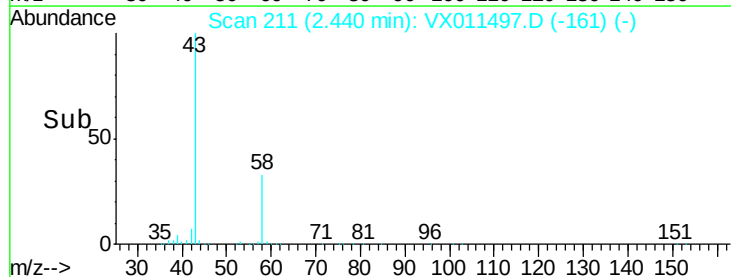
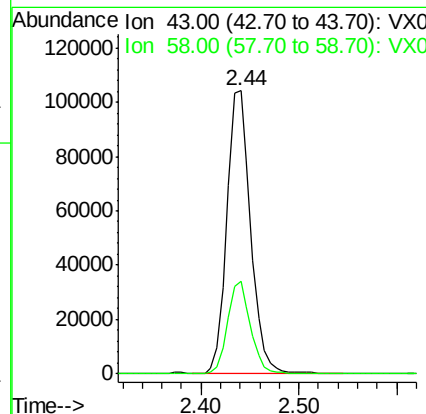
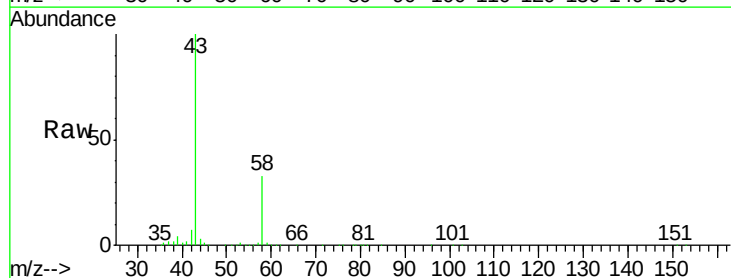
RT: 2.44 min Scan# 211

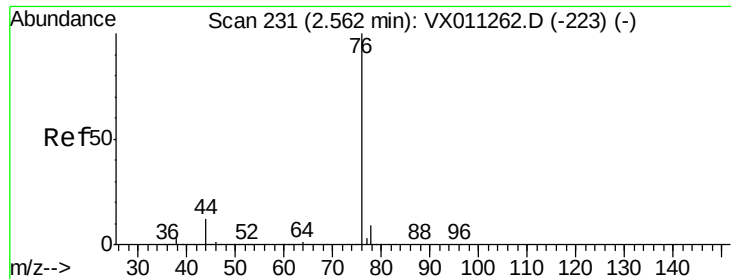
Delta R.T. 0.01 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Tgt Ion:	43	Resp:	174237
Ion Ratio		Lower	Upper
43	100		
58	32.6	27.4	41.0





#17

Carbon Disulfide

Concen: 43.659 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 143869

Ion Ratio Lower Upper

76 100

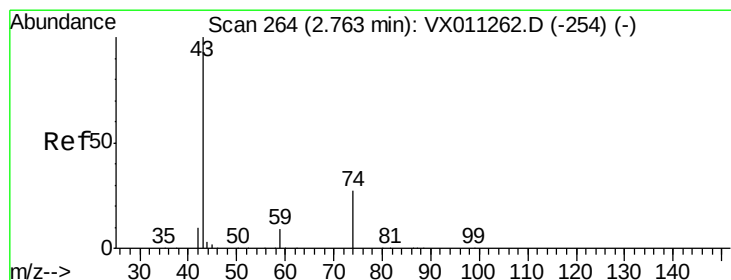
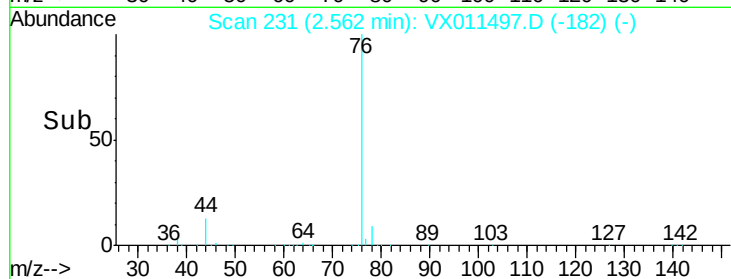
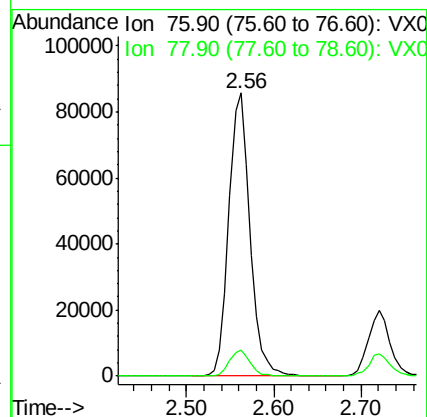
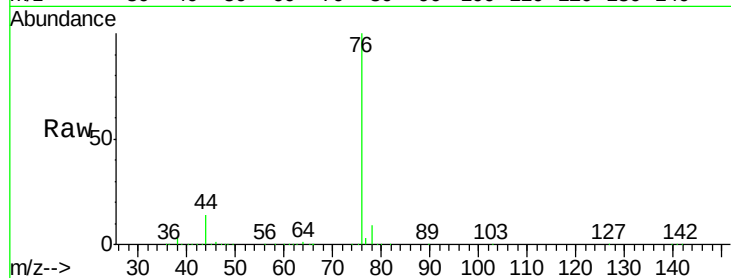
78 9.4 7.4 11.0

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#18

Methyl Acetate

Concen: 56.555 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011497.D

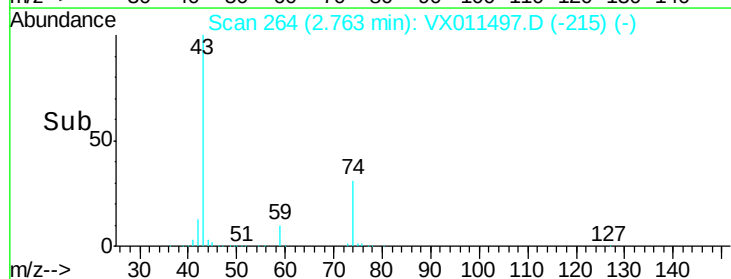
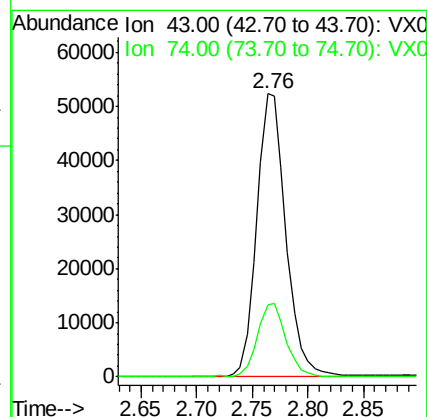
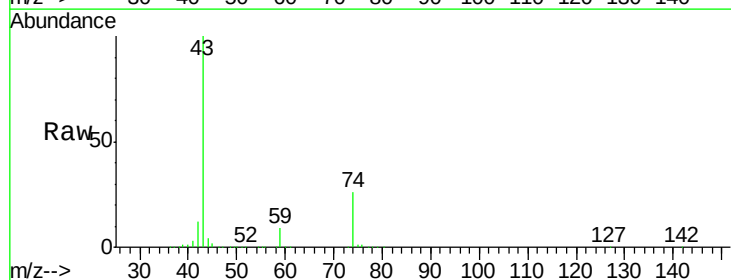
Acq: 12 Aug 2019 20:33

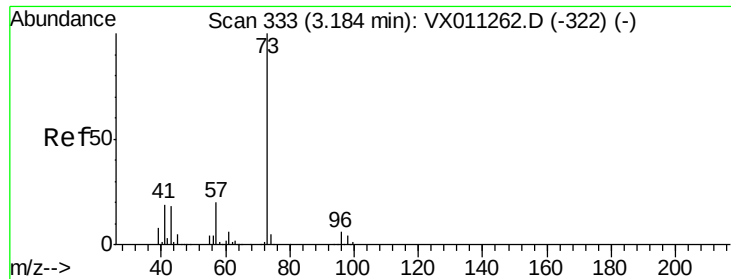
Tgt Ion: 43 Resp: 95617

Ion Ratio Lower Upper

43 100

74 26.2 21.0 31.6





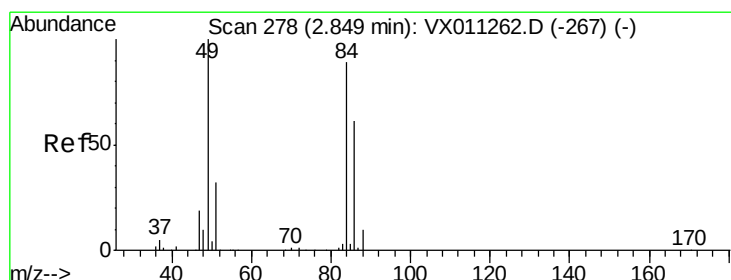
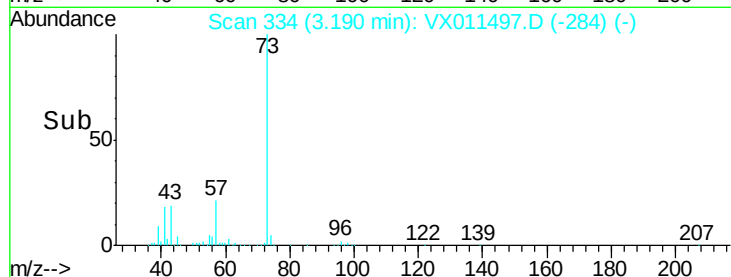
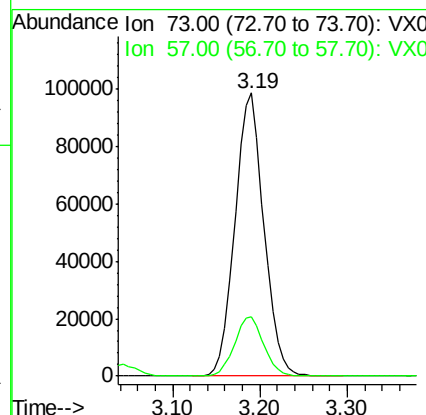
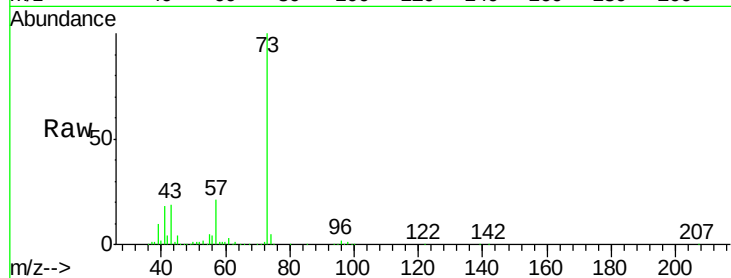
#19
Methyl tert-butyl Ether
Concen: 54.834 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.2	24.2

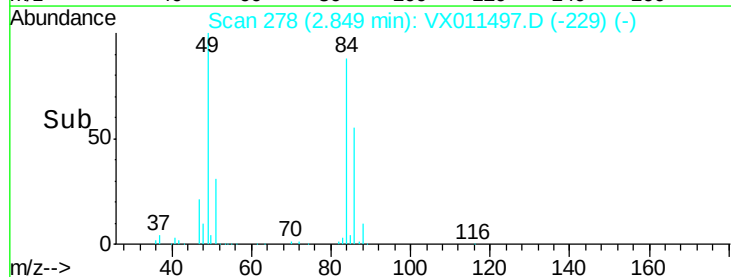
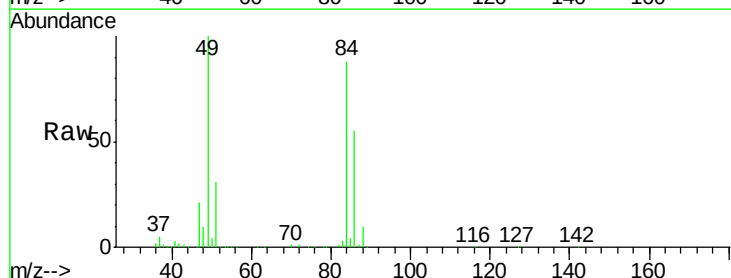
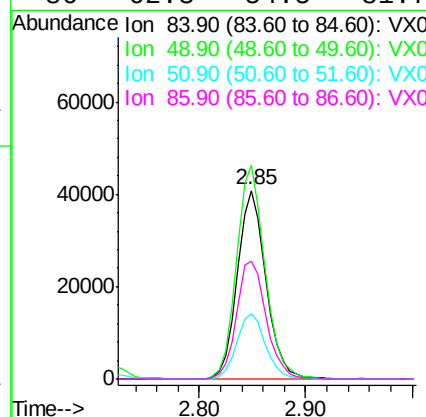
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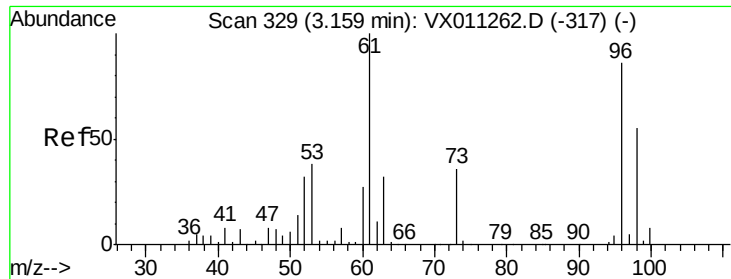
MMDadoda
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#20
Methylene Chloride
Concen: 47.435 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.3	89.3	133.9
51	34.7	28.3	42.5
86	62.3	54.5	81.7





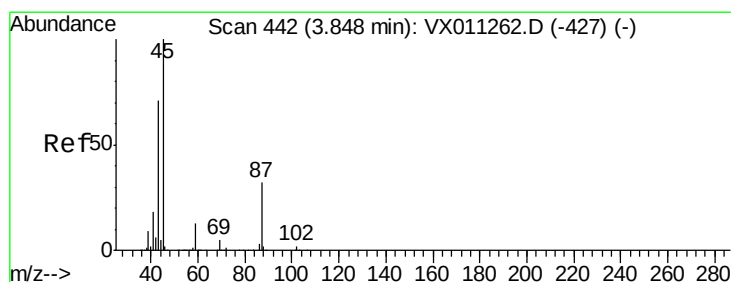
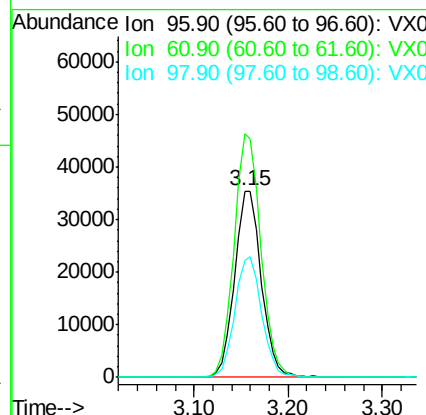
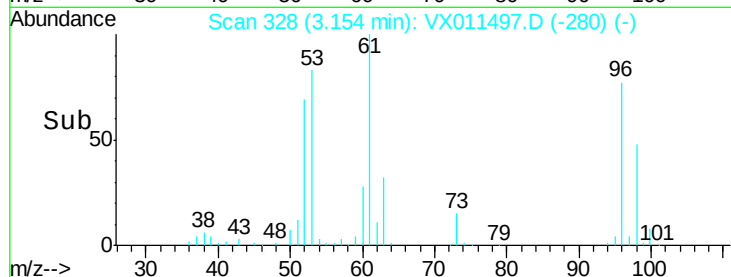
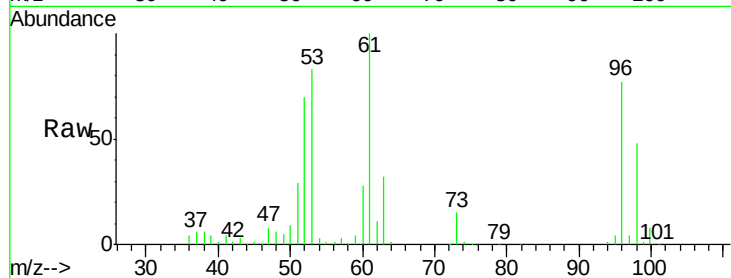
#21
trans-1,2-Dichloroethene
Concen: 47.044 ug/l
RT: 3.15 min Scan# 328
Delta R.T. -0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	92.8	139.2
98	62.5	51.2	76.8

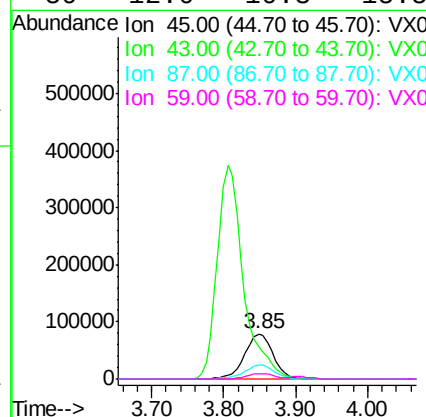
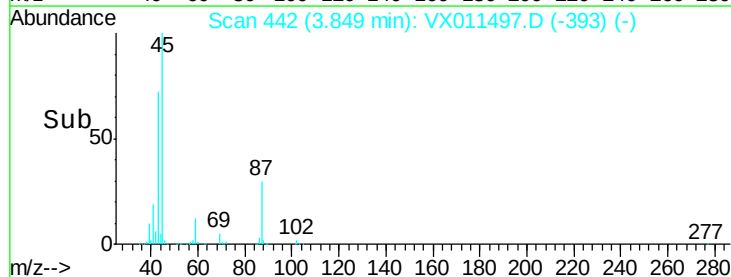
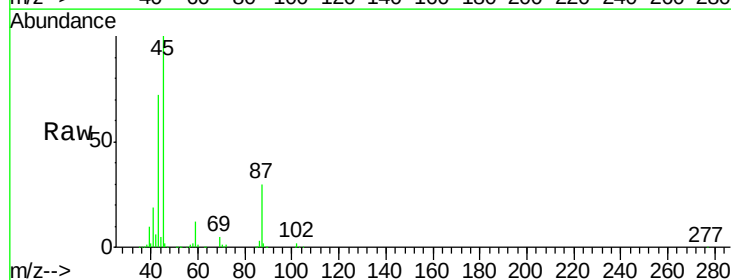
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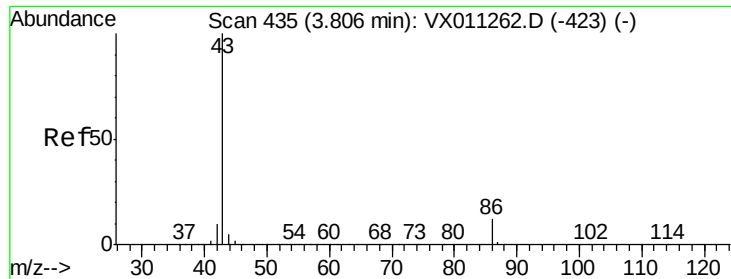
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#22
Diisopropyl ether
Concen: 52.806 ug/l
RT: 3.85 min Scan# 442
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.8	56.8	85.2
87	30.2	25.8	38.6
59	12.0	10.3	15.5





#23

Vinyl Acetate

Concen: 279.288 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 953089

Ion Ratio Lower Upper

43 100

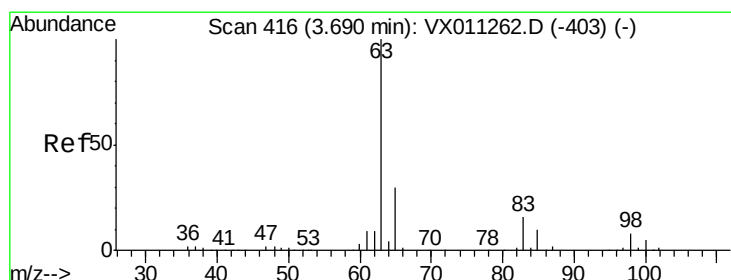
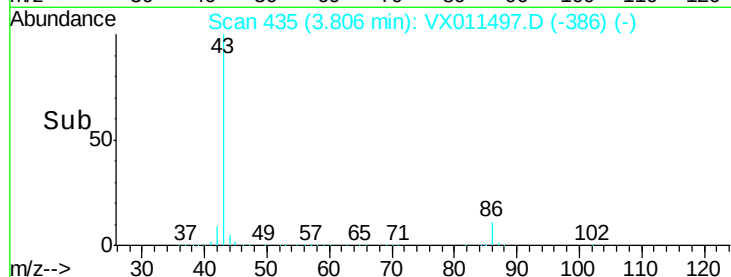
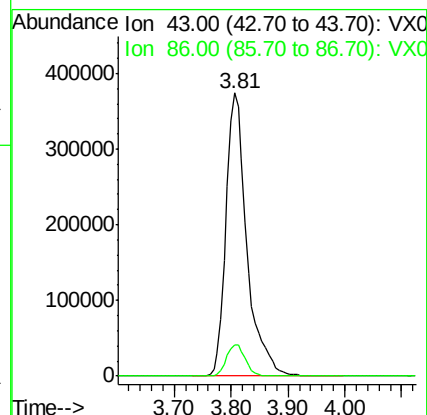
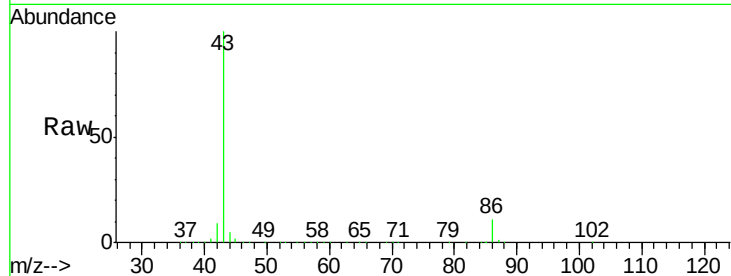
86 11.2 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 51.953 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

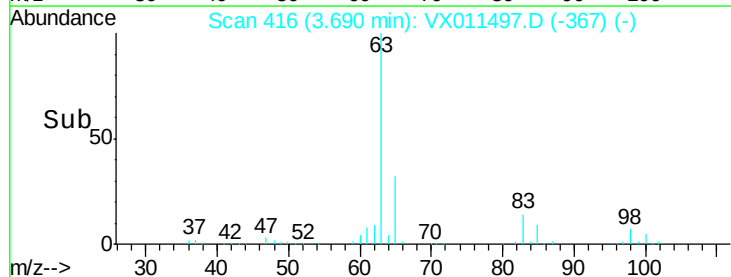
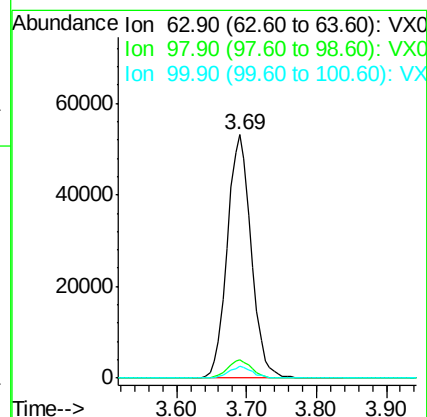
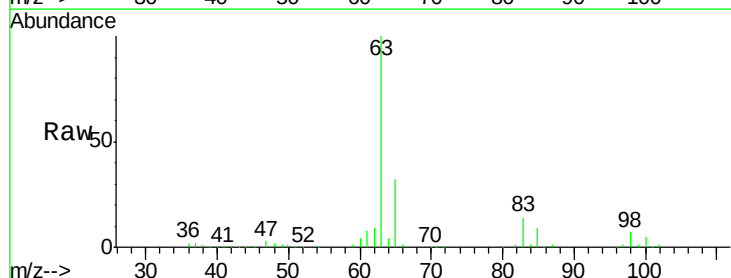
Tgt Ion: 63 Resp: 126045

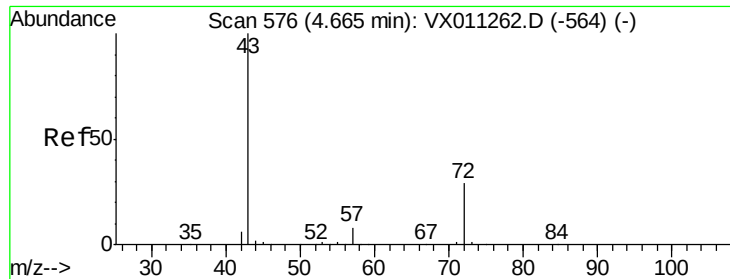
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.8 2.7 8.1





#25

2-Butanone

Concen: 265.568 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 279480

Ion Ratio Lower Upper

43 100

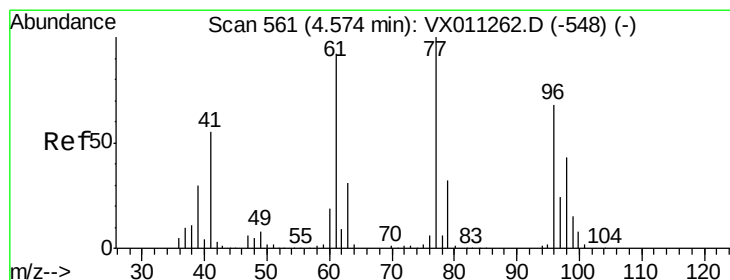
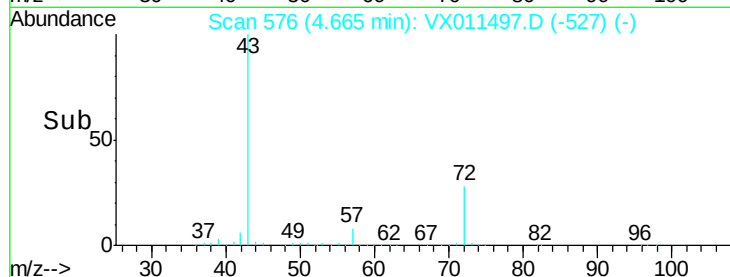
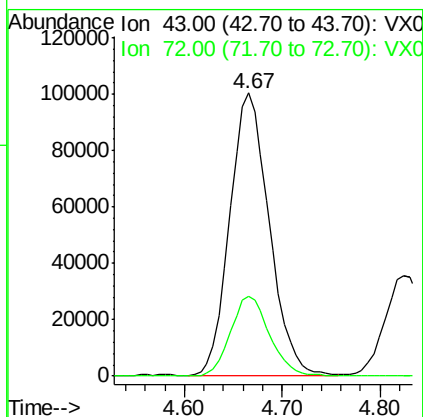
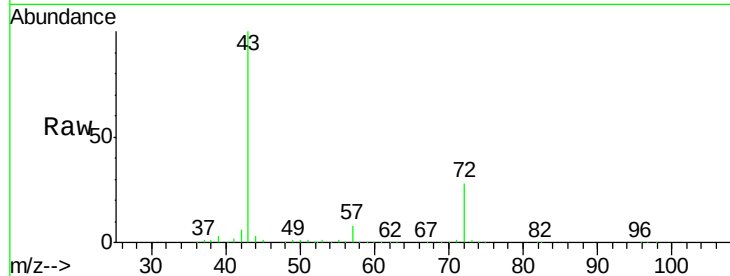
72 28.1 23.2 34.8

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#26

2,2-Dichloropropane

Concen: 47.526 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX011497.D

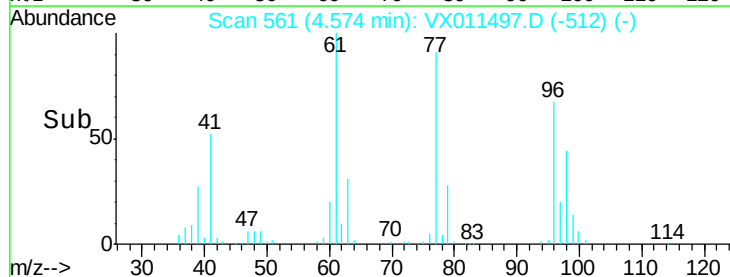
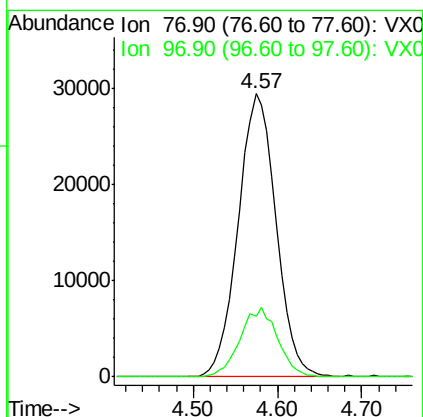
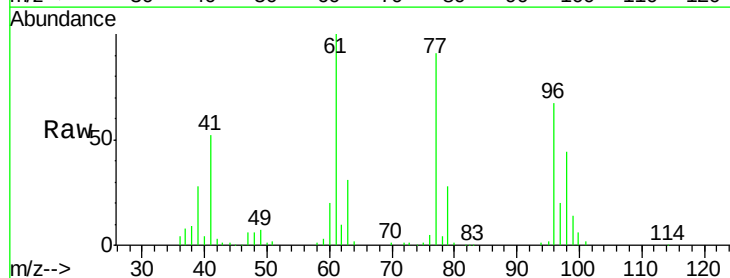
Acq: 12 Aug 2019 20:33

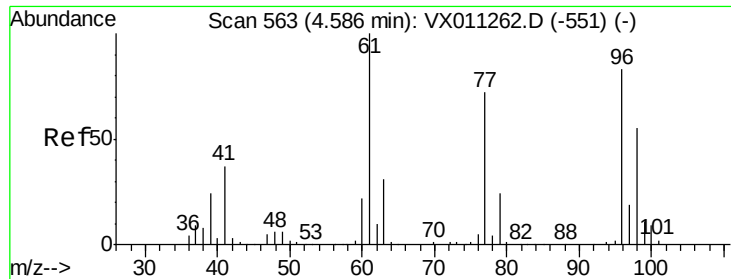
Tgt Ion: 77 Resp: 89633

Ion Ratio Lower Upper

77 100

97 24.2 12.8 38.4





#27

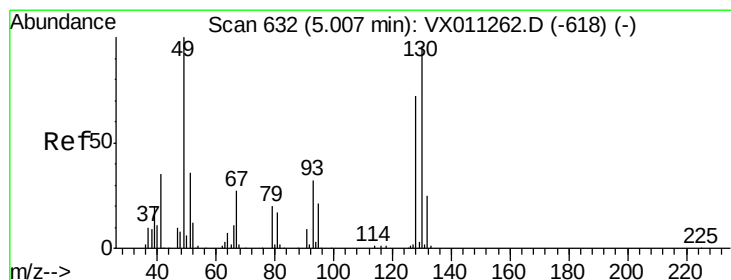
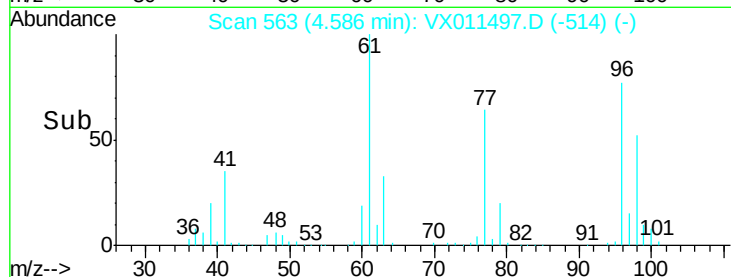
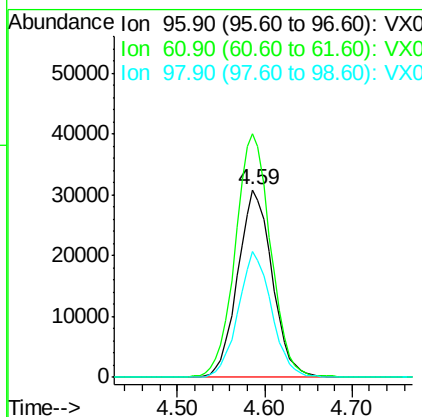
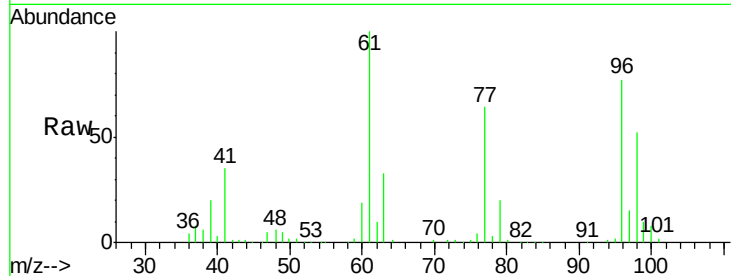
cis-1,2-Dichloroethene
Concen: 49.420 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	84557		
61	133.4	0.0	260.2	
98	65.2	0.0	133.2	

Manual Integrations
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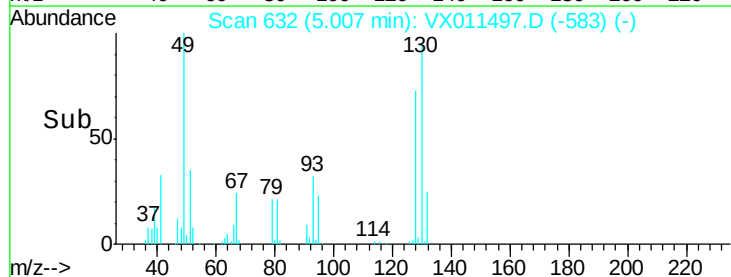
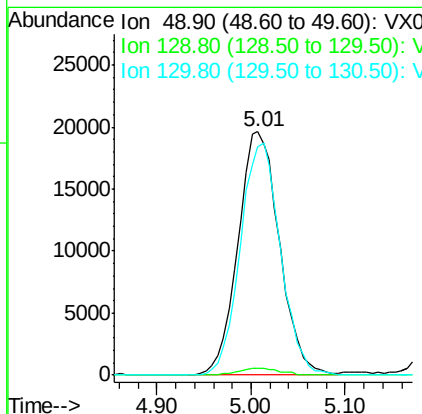
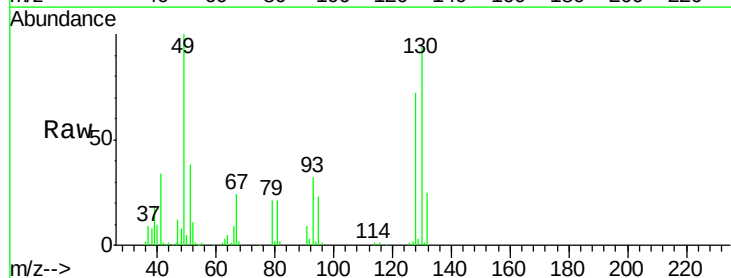
MMDadoda
8/14/2019 9:18:17 AM

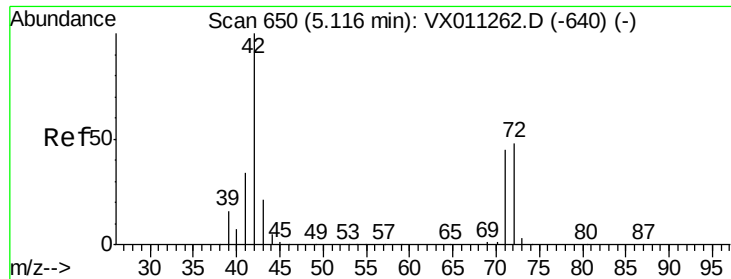


#28

Bromochloromethane
Concen: 54.643 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	60438		
129	2.9	0.0	5.8	
130	92.2	77.9	116.9	





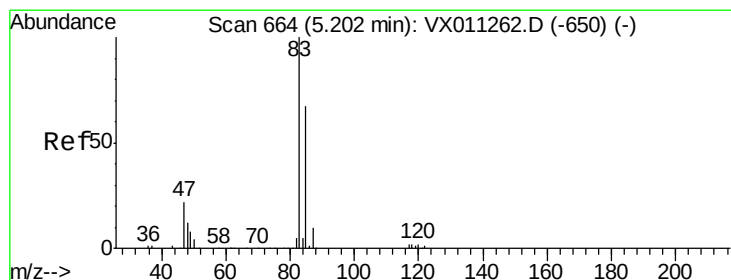
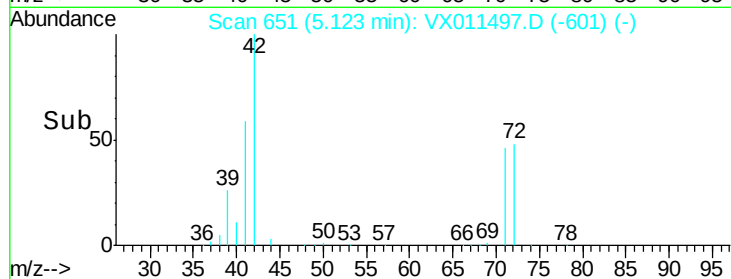
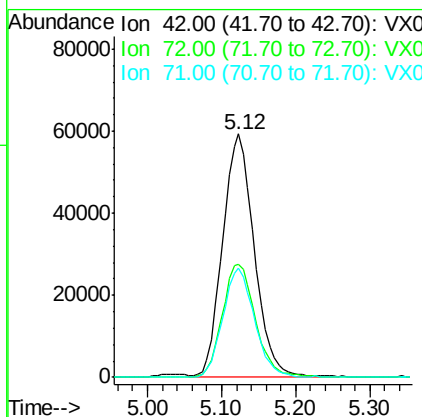
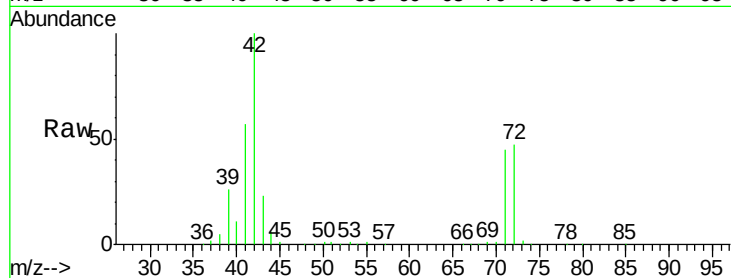
#29
Tetrahydrofuran
Concen: 270.868 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.9	59.9
71	45.2	36.9	55.3

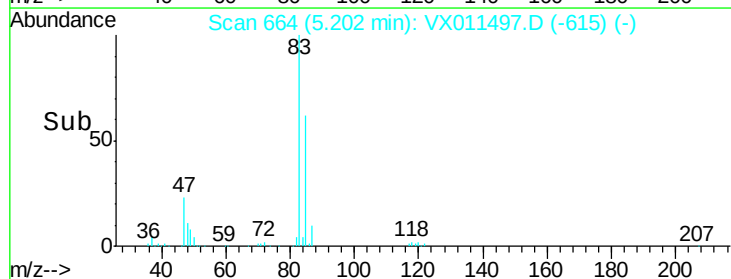
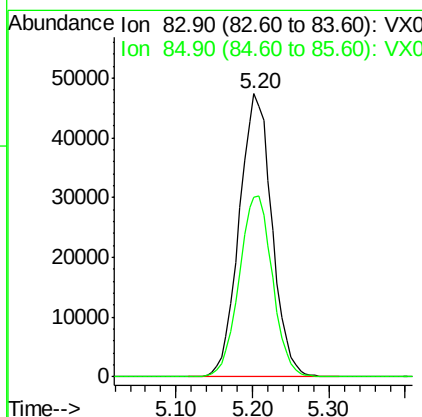
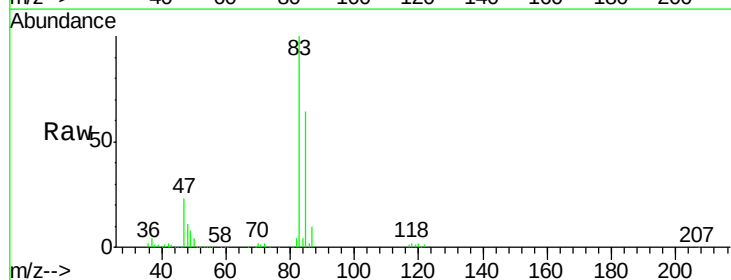
Manual Integrations
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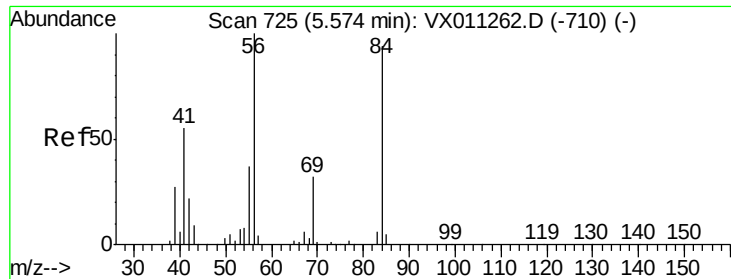
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#30
Chloroform
Concen: 53.361 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.4	80.0





#31

Cyclohexane

Concen: 47.898 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

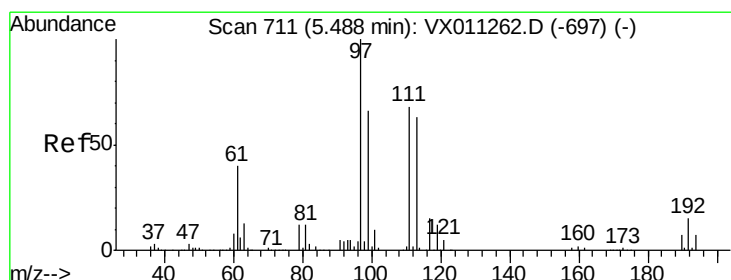
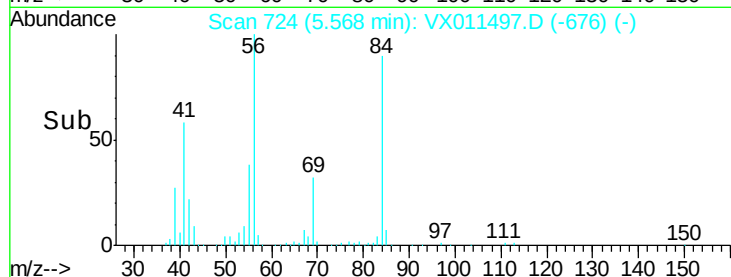
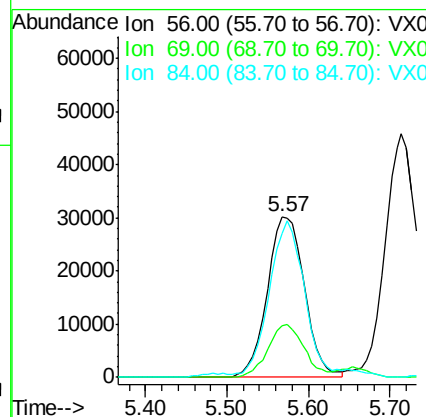
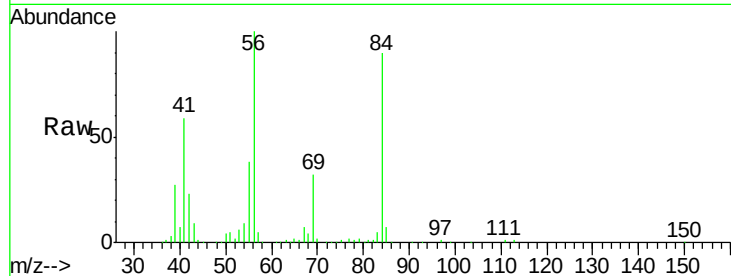
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	95874
Ion	Ratio	Lower	Upper
56	100		
69	32.5	25.5	38.3
84	88.4	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.915 ug/l

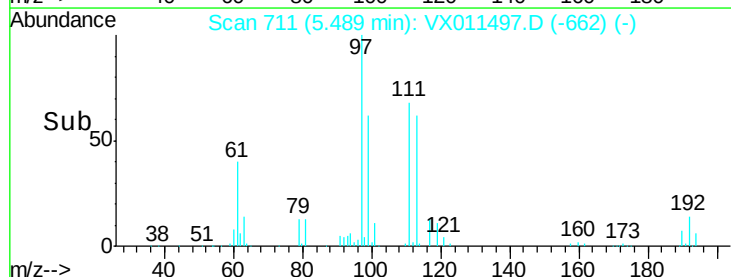
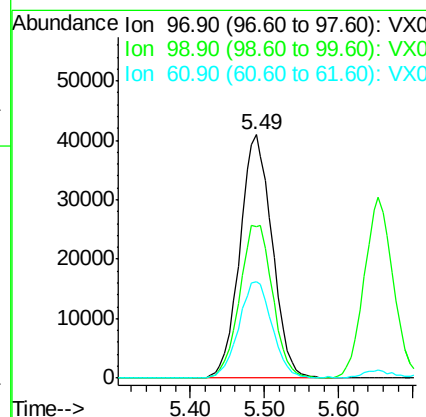
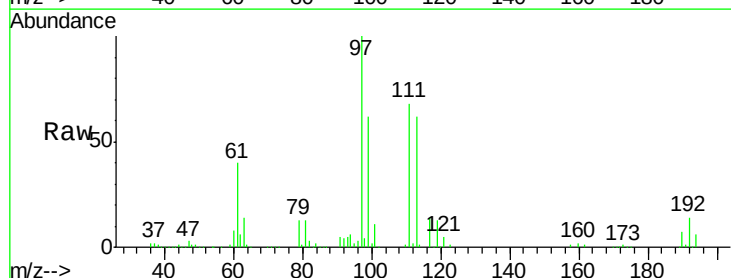
RT: 5.49 min Scan# 711

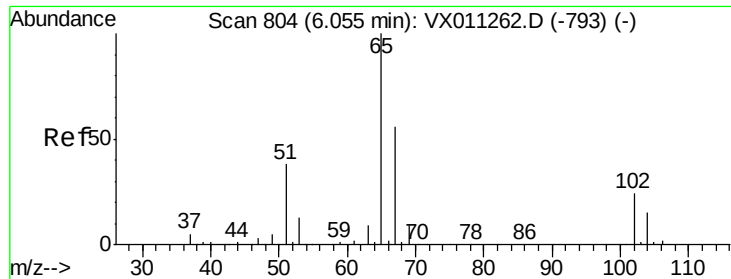
Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Tgt Ion:	97	Resp:	124046
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	41.1	32.3	48.5





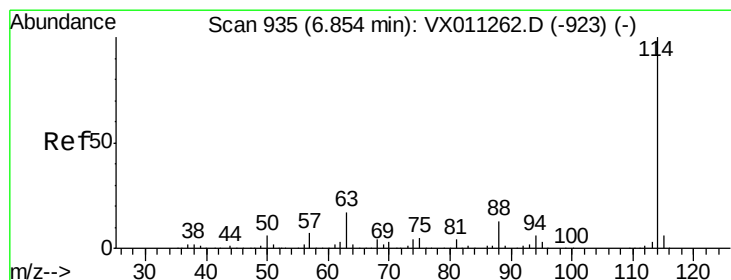
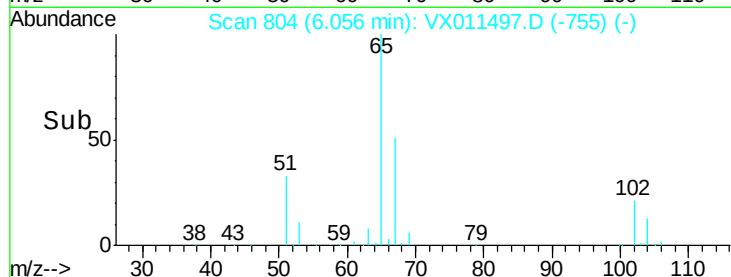
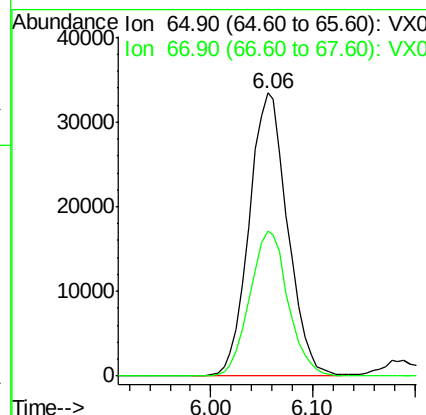
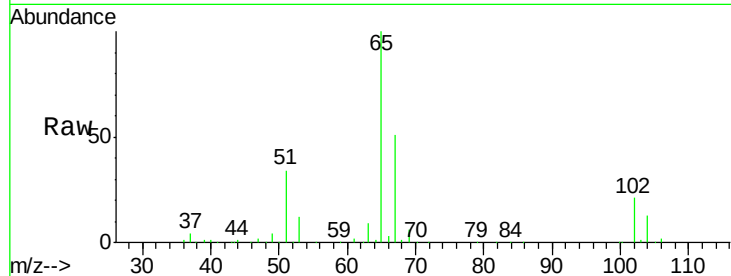
#33
 1,2-Dichloroethane-d4
 Concen: 56.325 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	110.6

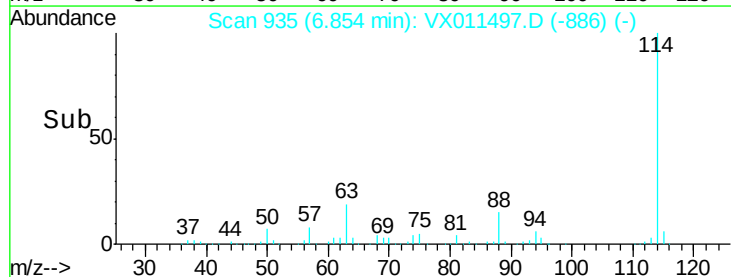
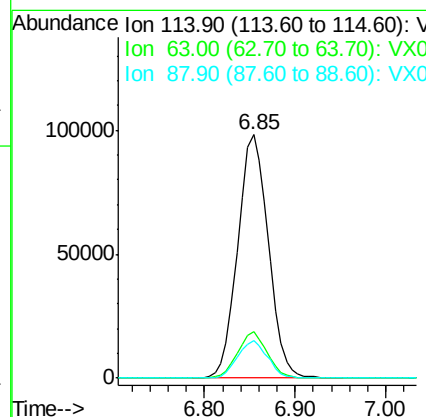
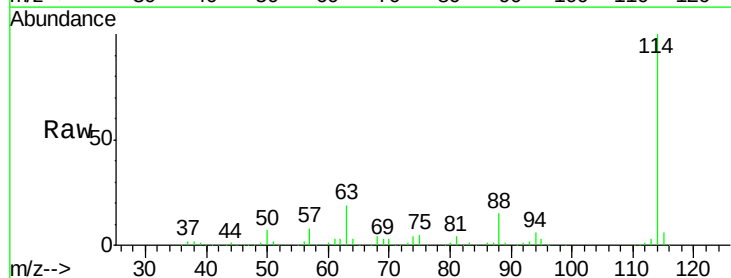
Manual Integrations
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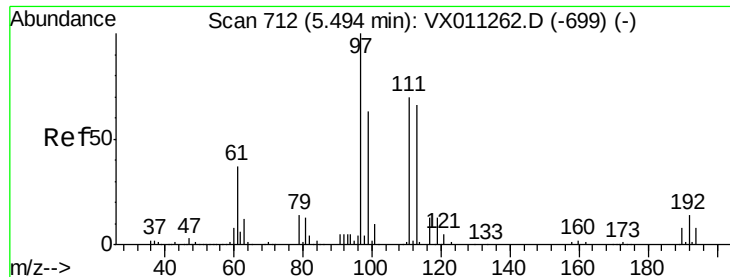
MMDadoda
 8/14/2019 9:18:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	34.0
88	15.4	0.0	26.4





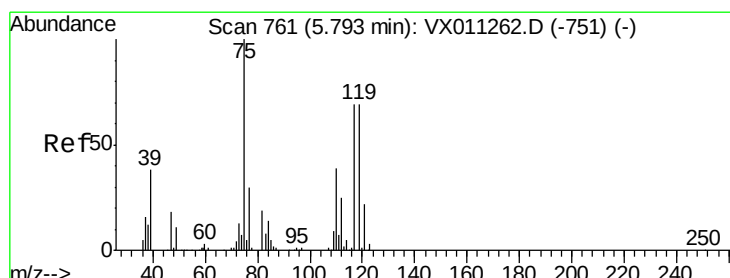
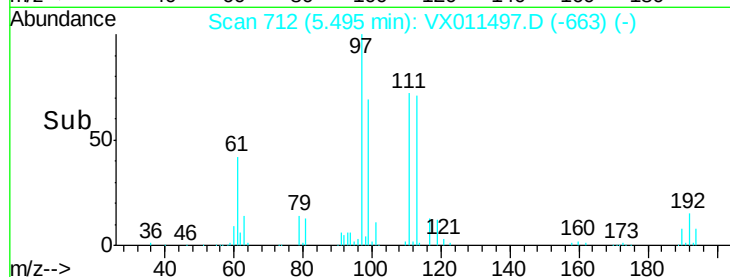
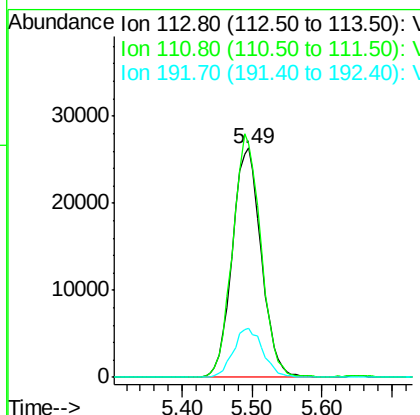
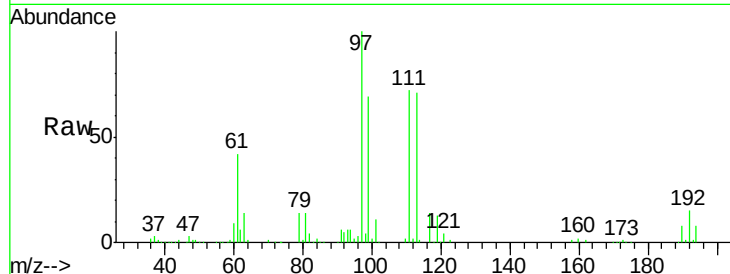
#35
 Dibromofluoromethane
 Concen: 50.449 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	75871		
111	103.0		81.9	122.9
192	21.7		17.8	26.8

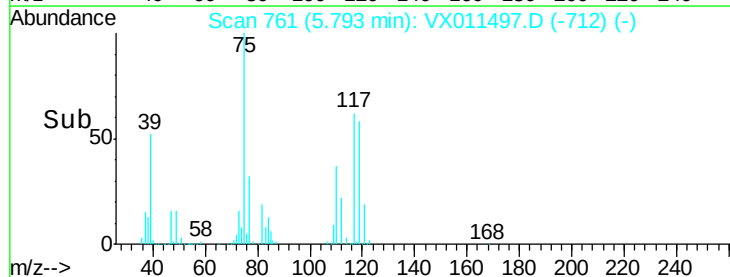
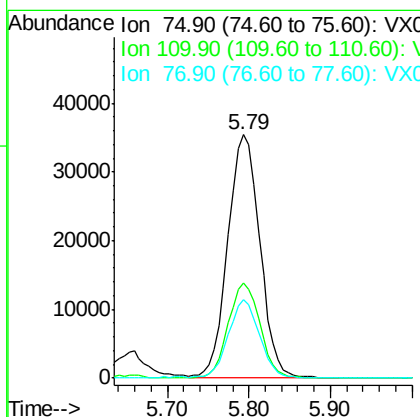
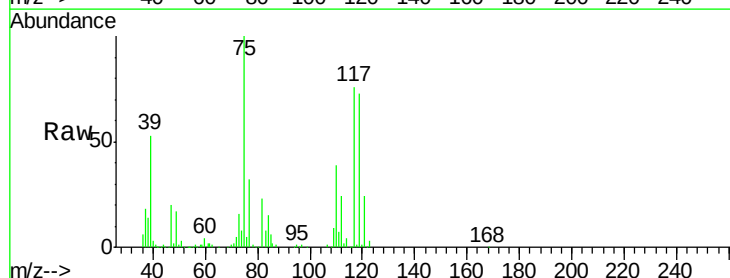
Manual Integrations
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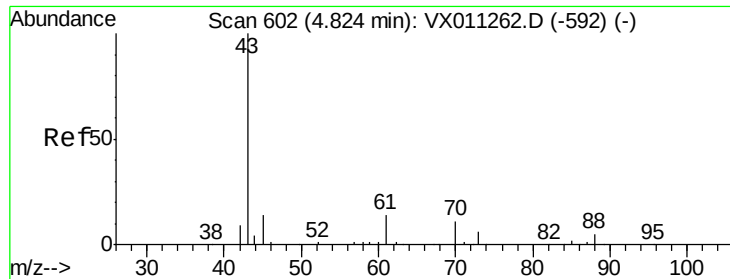
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#36
 1,1-Dichloropropene
 Concen: 48.016 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96568		
110	38.5		20.0	59.9
77	31.3		24.8	37.2





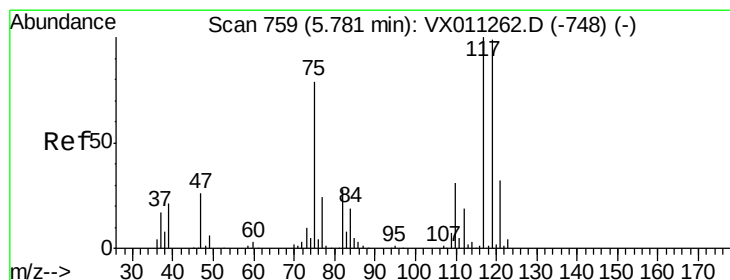
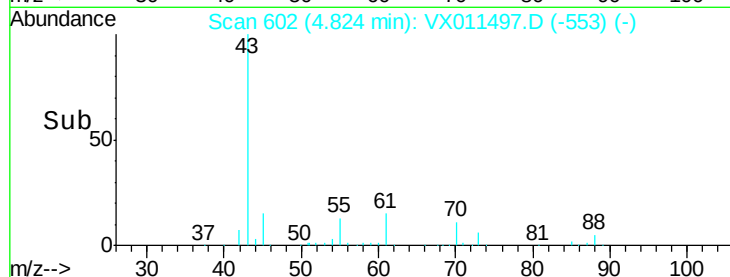
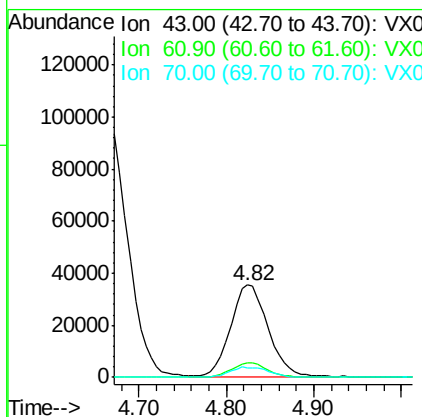
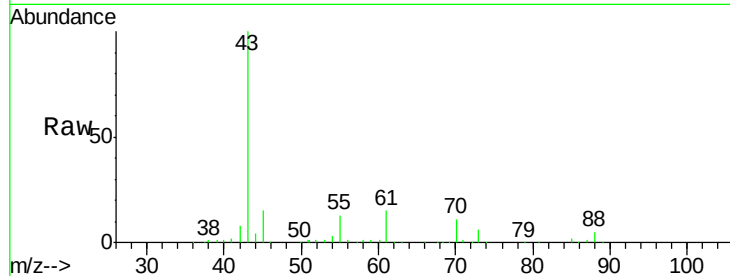
#37
Ethyl Acetate
Concen: 51.731 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.6	18.8
70	11.8	9.1	13.7

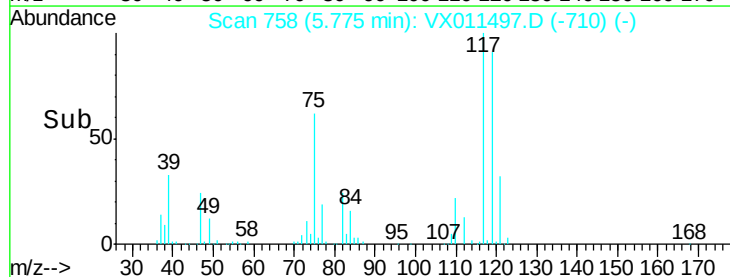
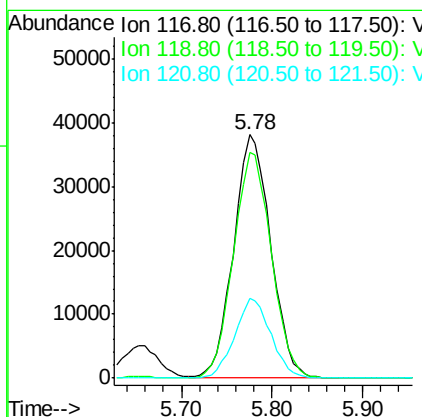
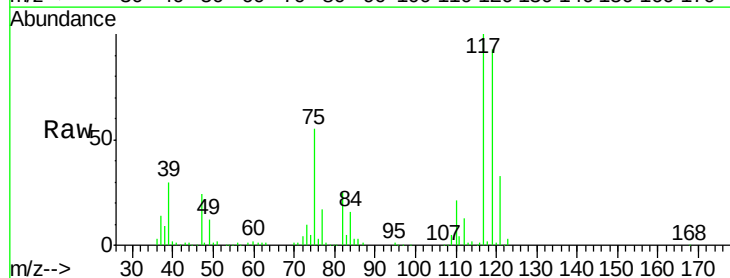
Manual Integrations
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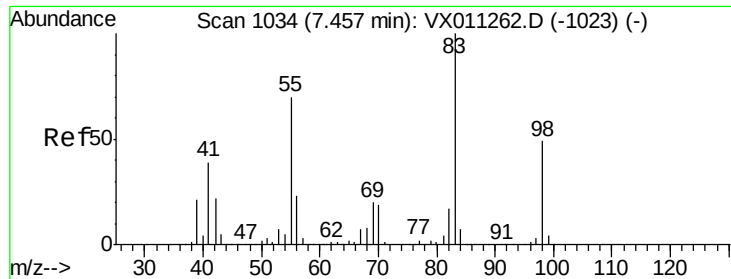
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#38
Carbon Tetrachloride
Concen: 53.542 ug/l
RT: 5.78 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	79.0	118.4
121	32.5	25.9	38.9





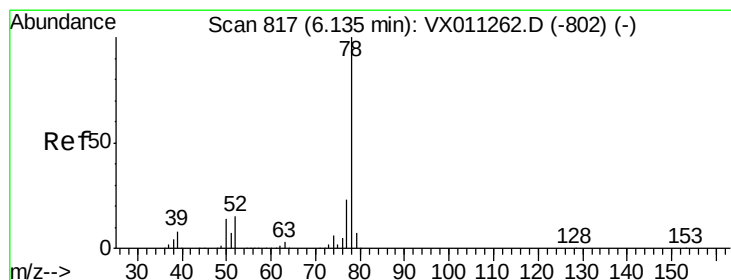
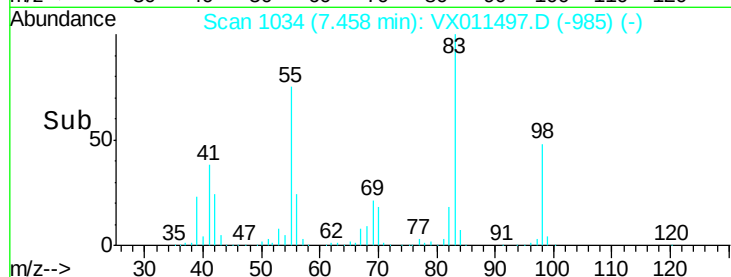
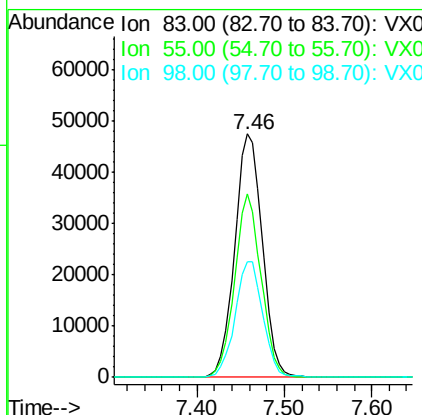
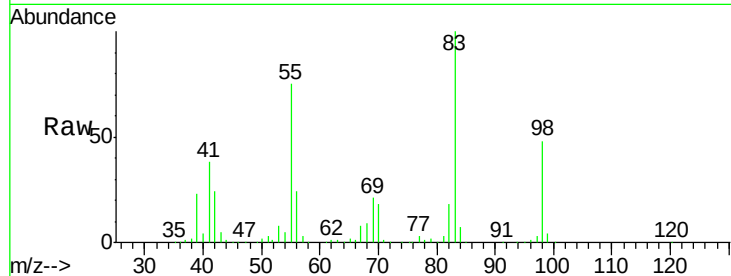
#39
Methylvlcyclohexane
Concen: 43.751 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	104298
Ion Ratio	Lower	Upper	
83	100		
55	75.2	56.1	84.1
98	47.7	39.0	58.4

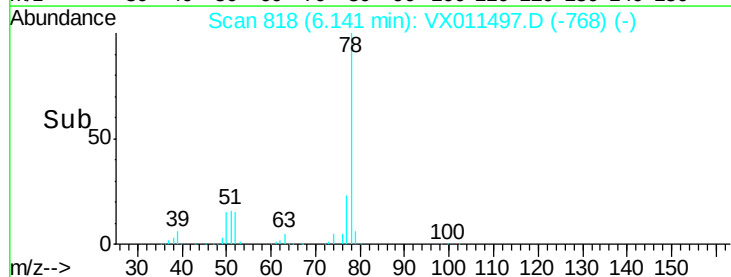
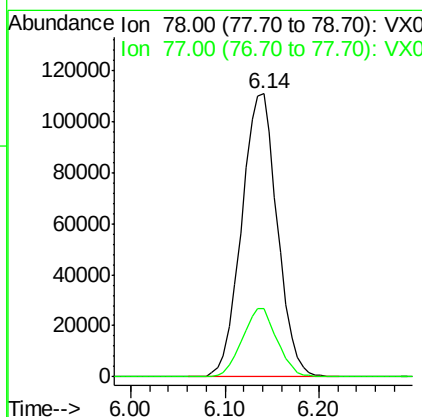
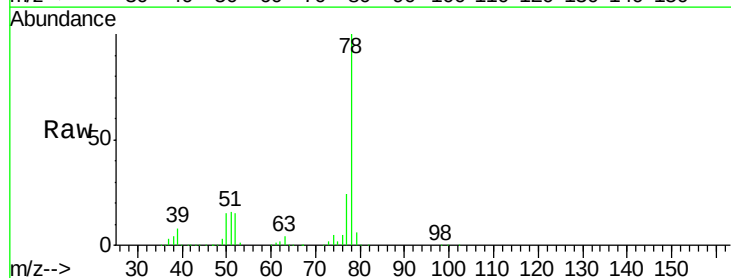
Manual Integrations
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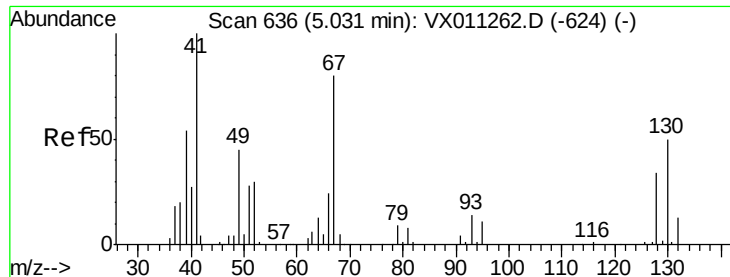
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#40
Benzene
Concen: 49.001 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	78	Resp	294079
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.2	27.2





#41

Methacrylonitrile

Concen: 53.013 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 58406

Ion Ratio Lower Upper

41 100

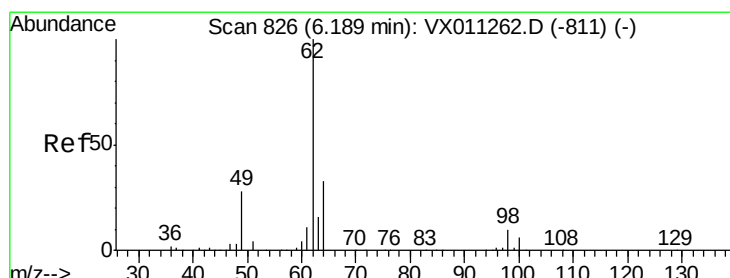
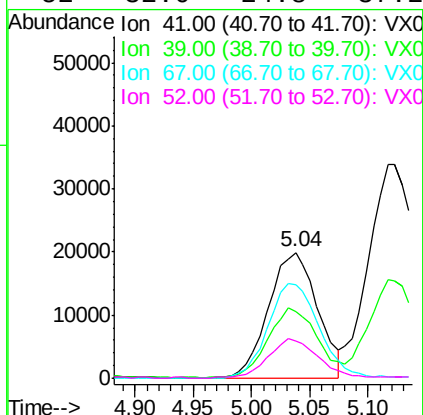
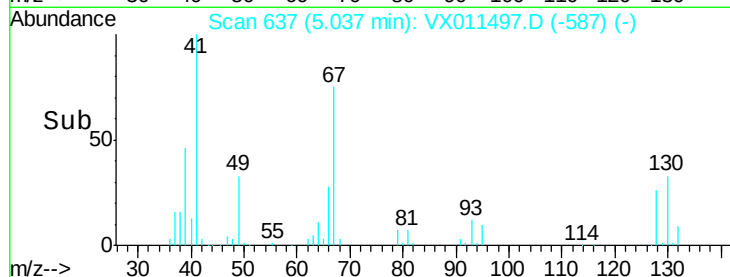
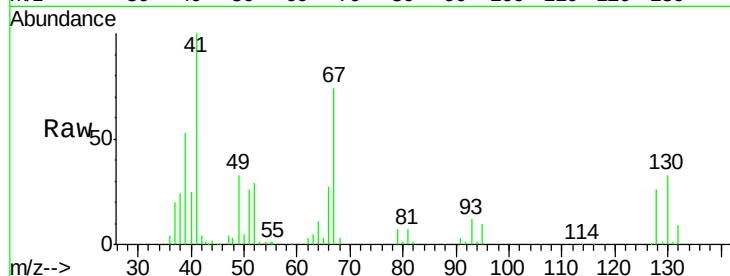
39 56.4 43.0 64.6

67 78.9 65.1 97.7

52 32.0 24.8 37.2

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:18:17 AM



#42

1,2-Dichloroethane

Concen: 54.889 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX011497.D

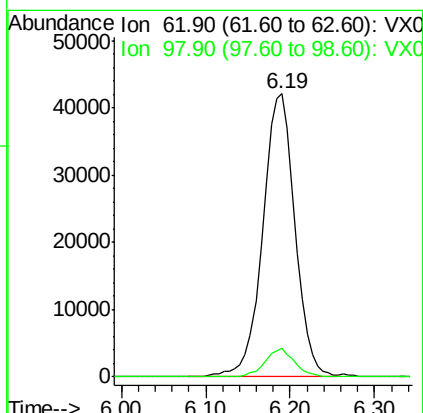
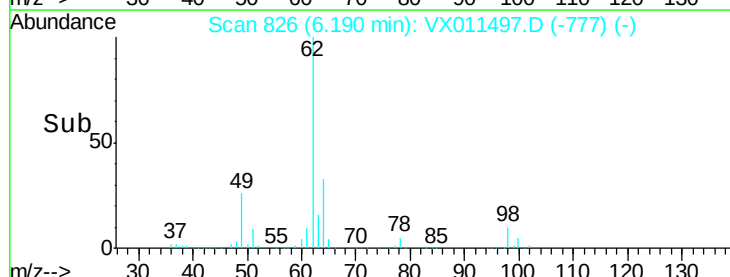
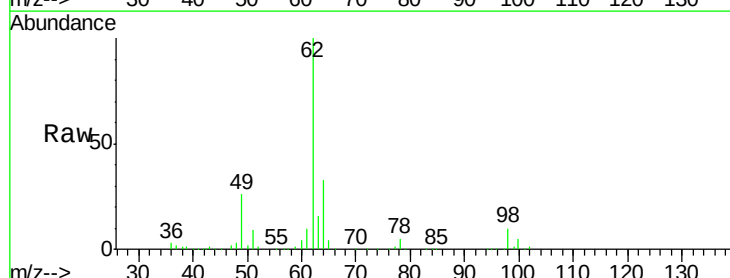
Acq: 12 Aug 2019 20:33

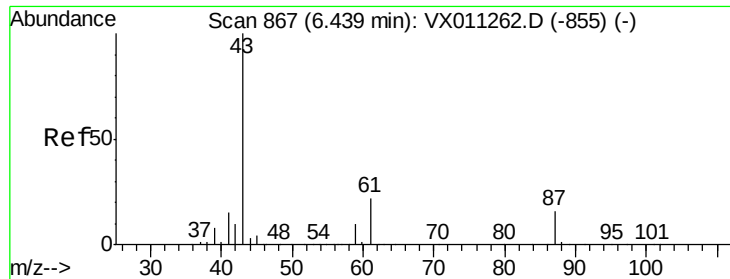
Tgt Ion: 62 Resp: 111392

Ion Ratio Lower Upper

62 100

98 9.2 0.0 20.6





#43

Isopropyl Acetate

Concen: 52.761 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

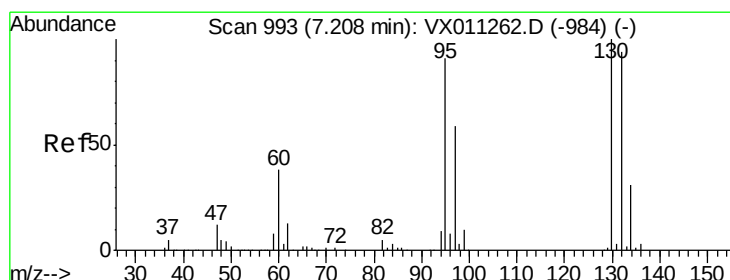
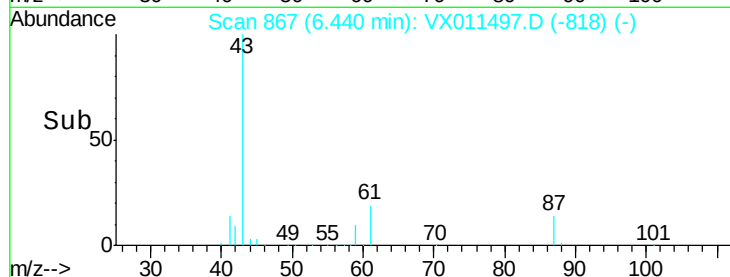
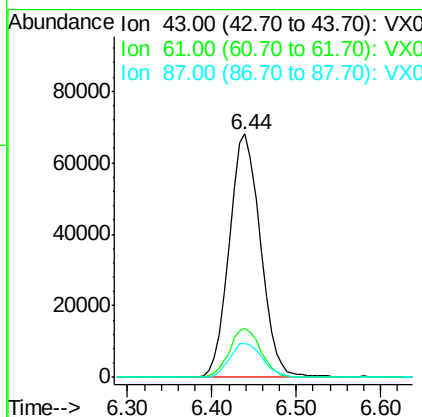
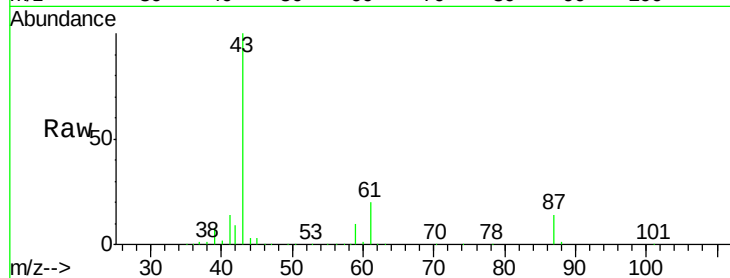
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	170170
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.5	24.7
87	14.8	12.1	18.1

Manual Integrations
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8/14/2019 9:18:17 AM



#44

Trichloroethene

Concen: 47.644 ug/l

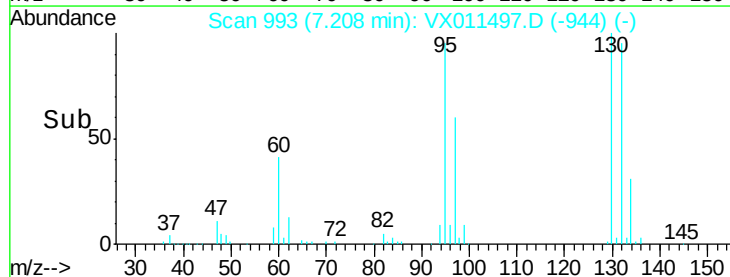
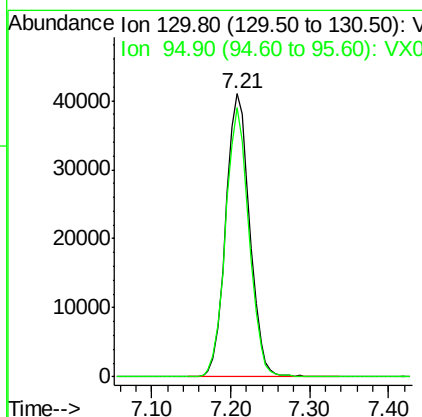
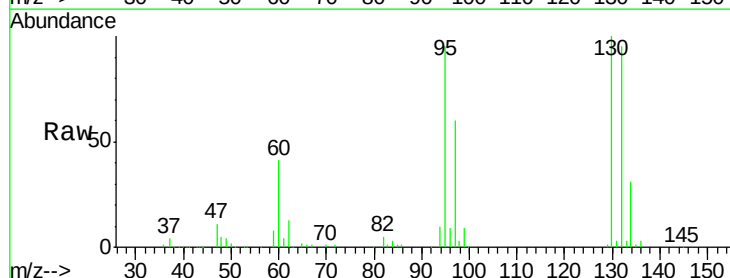
RT: 7.21 min Scan# 993

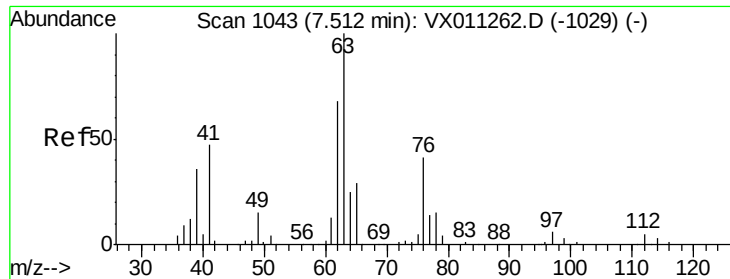
Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Tgt Ion:	130	Resp:	86549
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	182.6





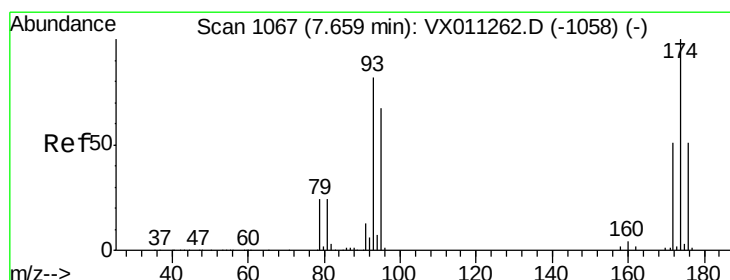
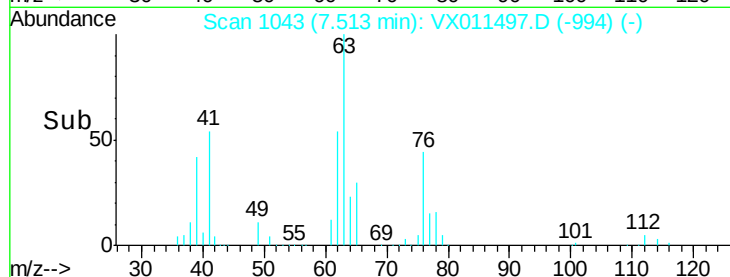
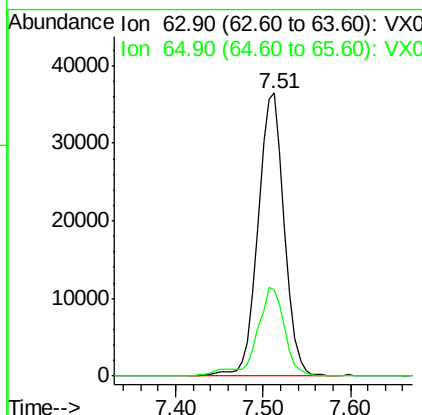
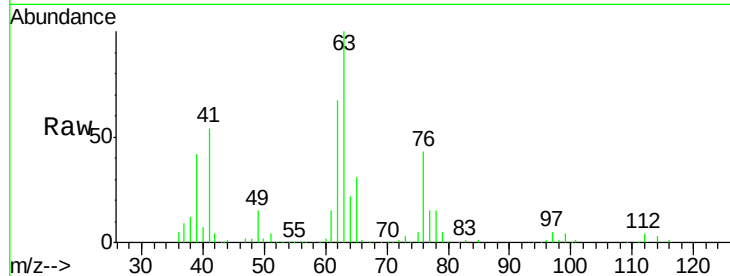
#45
 1,2-Dichloropropane
 Concen: 49.036 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 76215
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.3 34.9

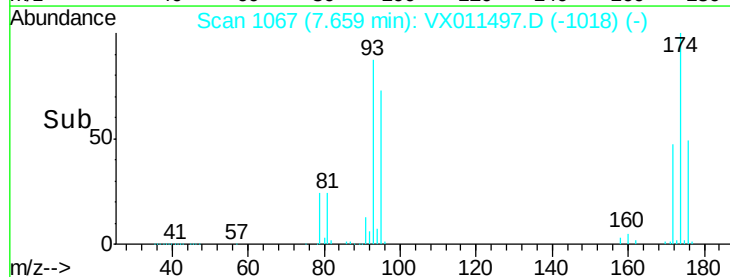
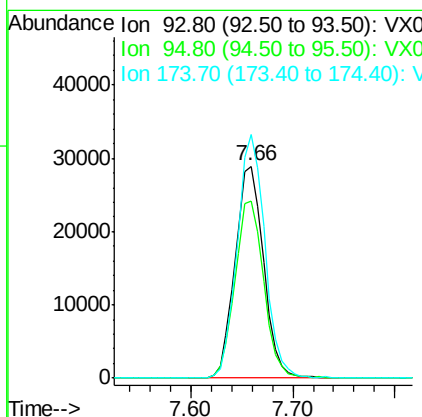
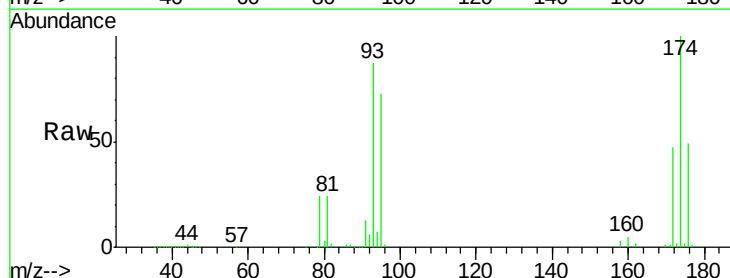
Manual Integrations
 APPROVED

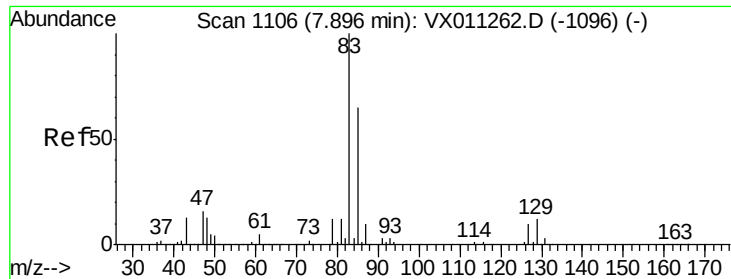
MMDadoda
 8/14/2019 9:18:17 AM



#46
 Dibromomethane
 Concen: 49.268 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion: 93 Resp: 55902
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.4 99.6
 174 111.6 93.4 140.2





#47

Bromodichloromethane

Concen: 54.888 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

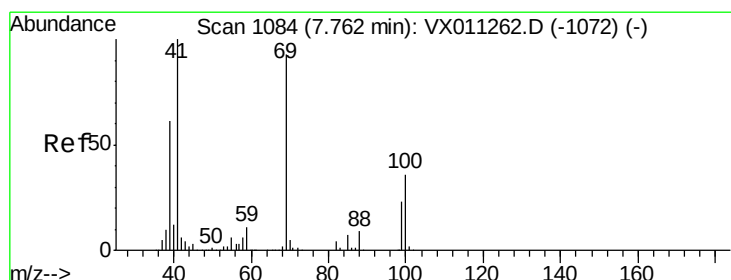
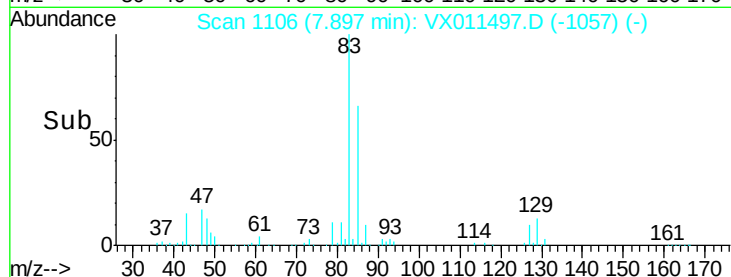
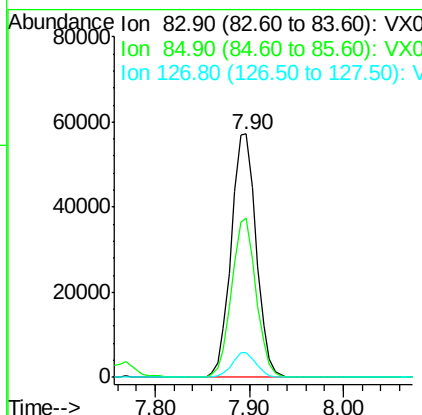
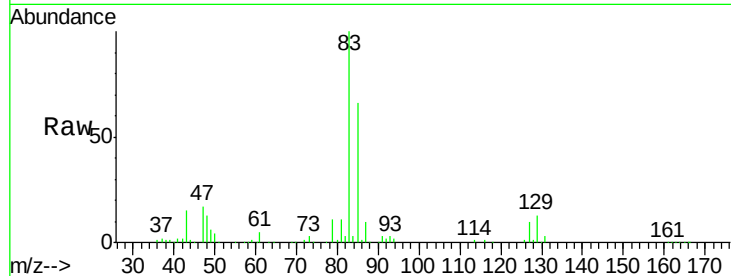
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	105443
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.2	78.2
127	10.1	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:18:17 AM



#48

Methyl methacrylate

Concen: 55.046 ug/l

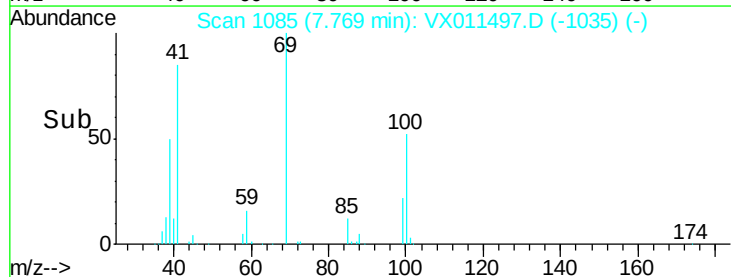
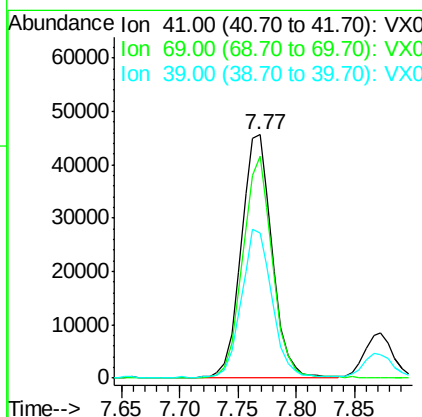
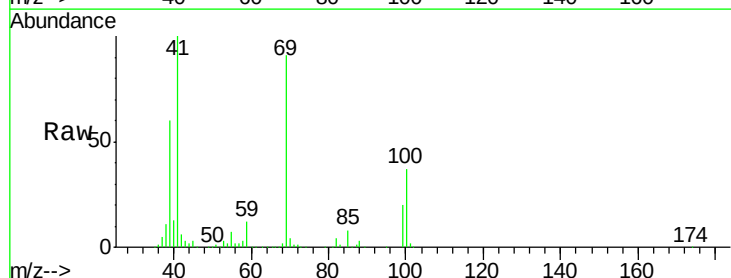
RT: 7.77 min Scan# 1085

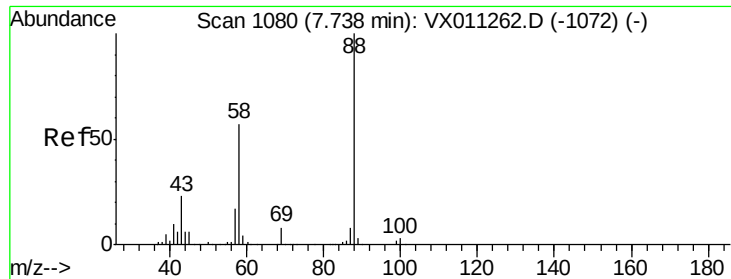
Delta R.T. 0.01 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Tgt Ion:	41	Resp:	83552
Ion Ratio	Lower	Upper	
41	100		
69	88.4	74.5	111.7
39	60.9	48.6	72.8





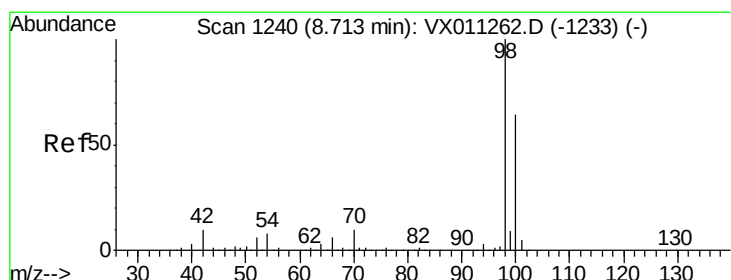
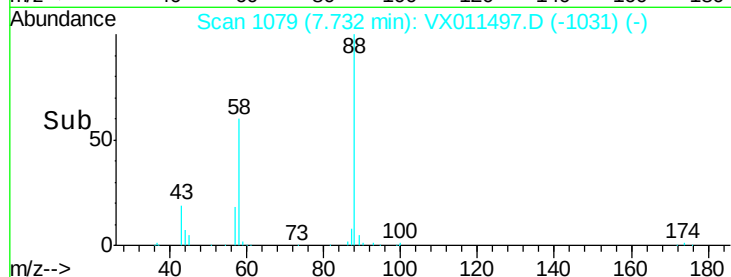
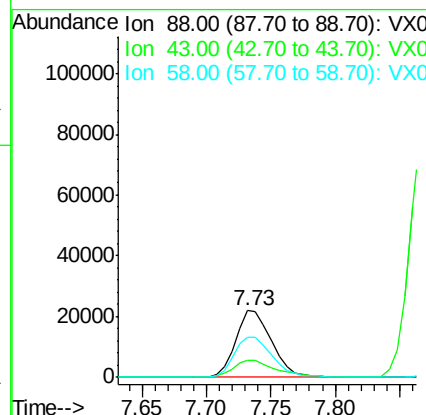
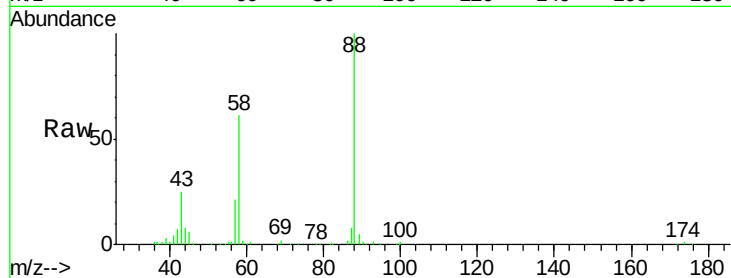
#49
 1,4-Dioxane
 Concen: 973.363 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	22.2	33.2
58	65.2	47.8	71.8

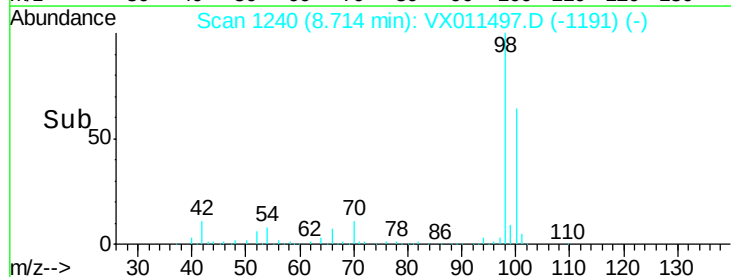
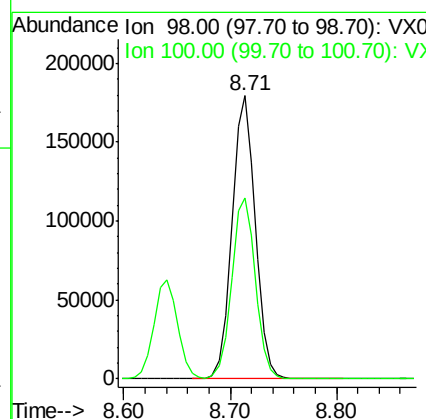
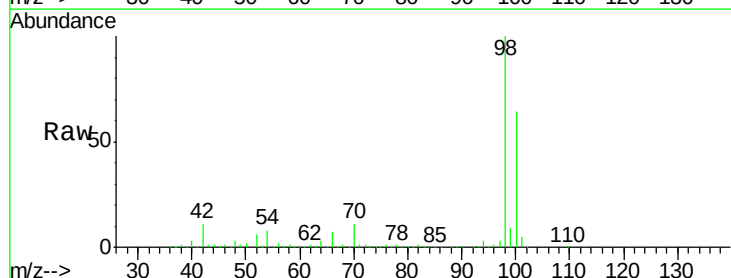
Manual Integrations
 APPROVED

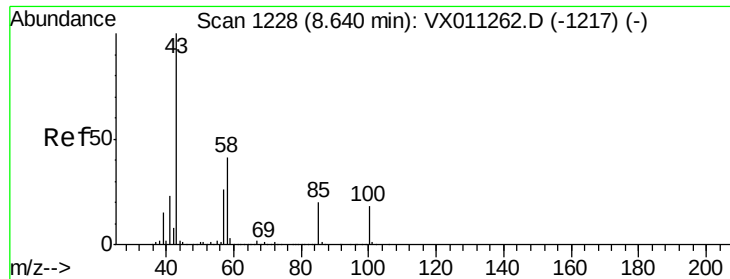
MMDadoda
 8/14/2019 9:18:17 AM



#50
 Toluene-d8
 Concen: 48.369 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 276.221 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 574947

Ion Ratio Lower Upper

43 100

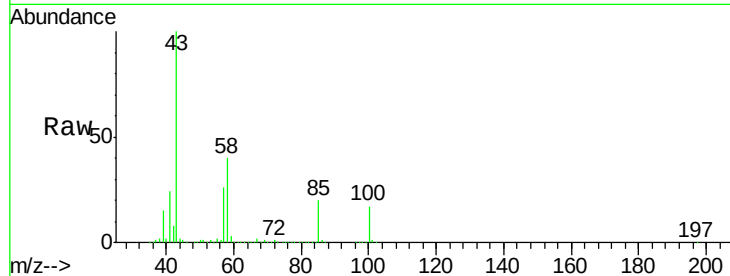
58 39.8 32.3 48.5

Manual Integrations

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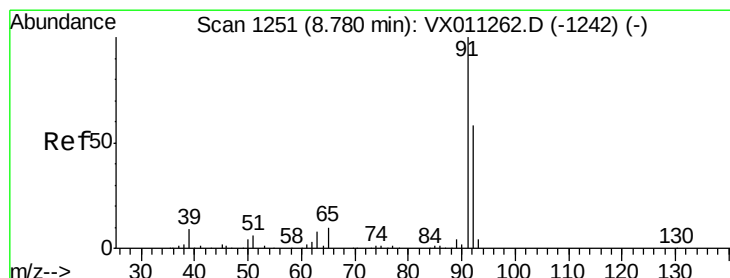
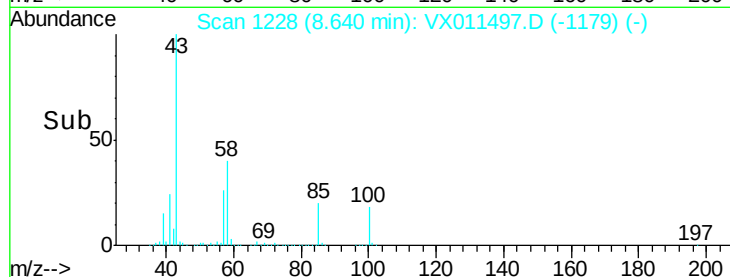
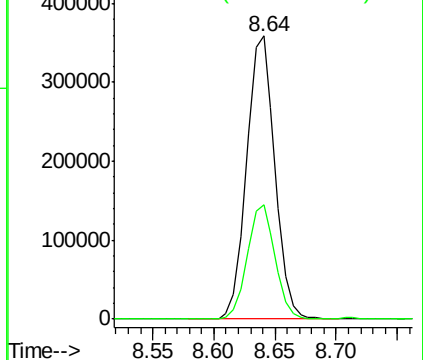
MMDadoda

8/14/2019 9:18:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.734 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011497.D

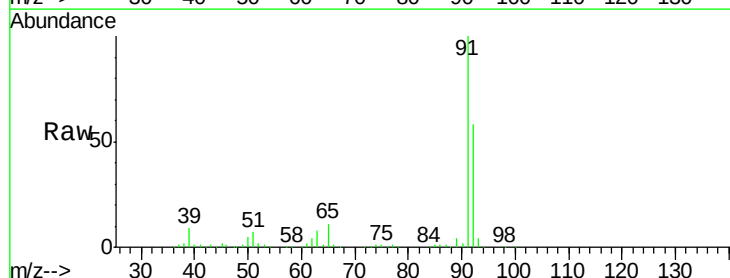
Acq: 12 Aug 2019 20:33

Tgt Ion: 92 Resp: 197344

Ion Ratio Lower Upper

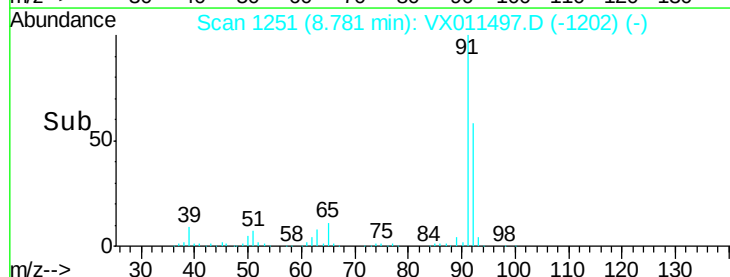
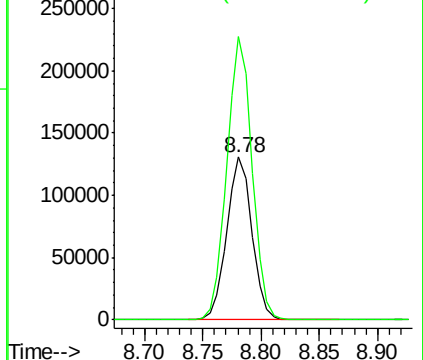
92 100

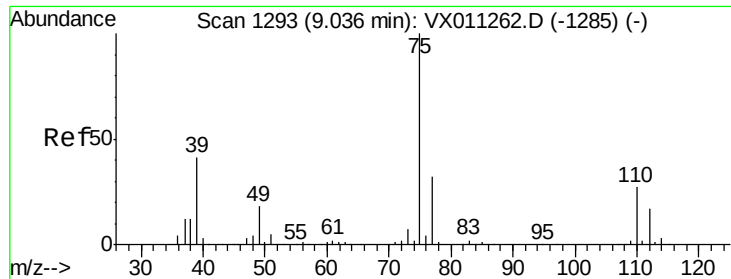
91 173.4 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





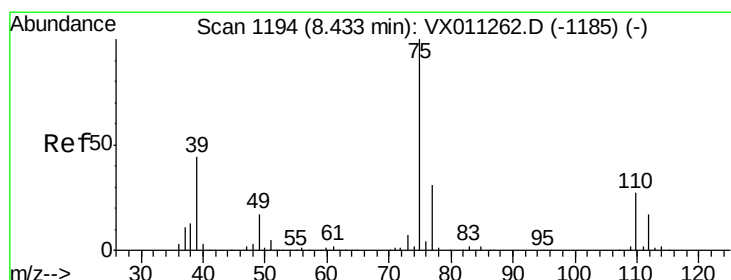
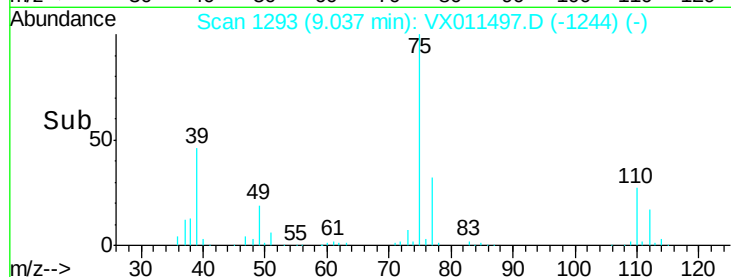
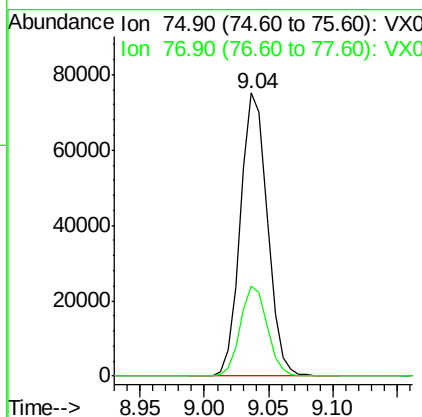
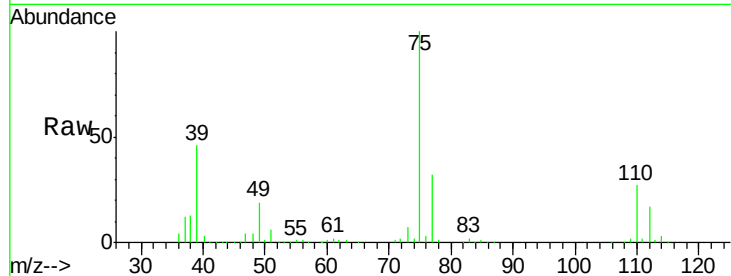
#53
t-1,3-Dichloropropene
Concen: 48.794 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 109002
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0

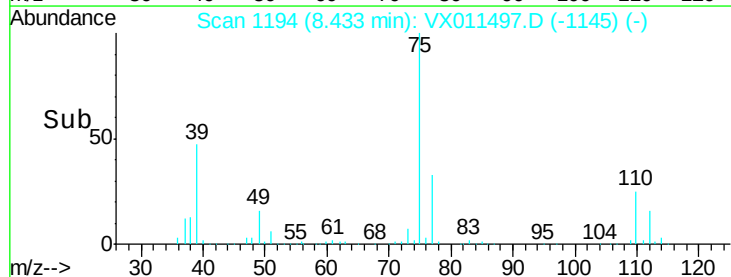
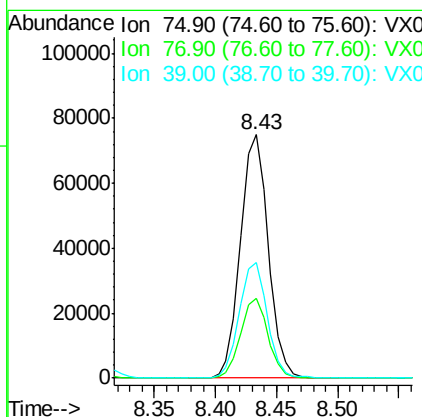
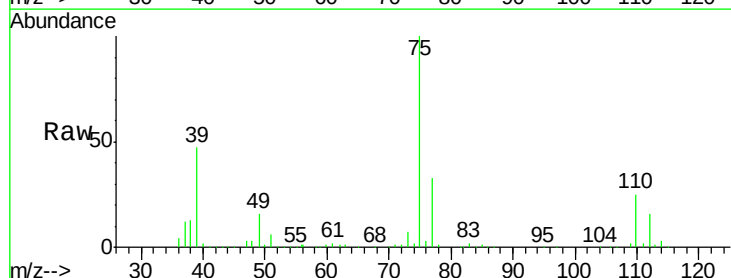
Manual Integrations
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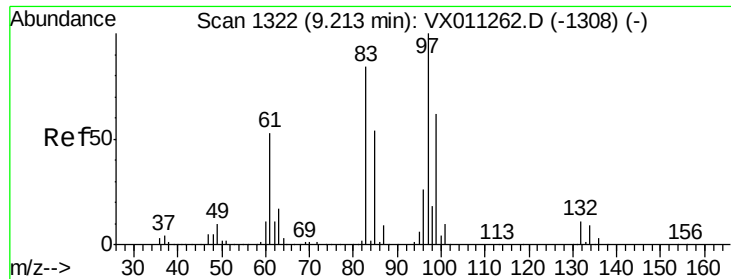
MMDadoda
8/14/2019 9:18:17 AM



#54
cis-1,3-Dichloropropene
Concen: 52.643 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion: 75 Resp: 118133
Ion Ratio Lower Upper
75 100
77 32.7 25.0 37.6
39 47.2 35.3 52.9





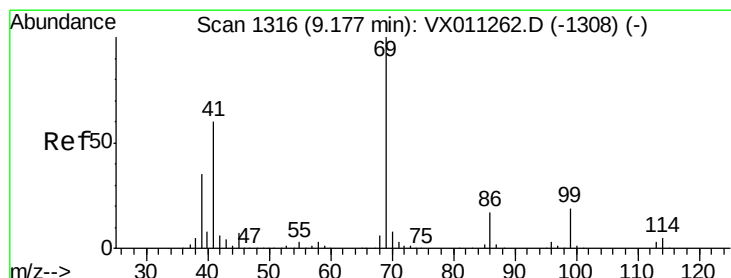
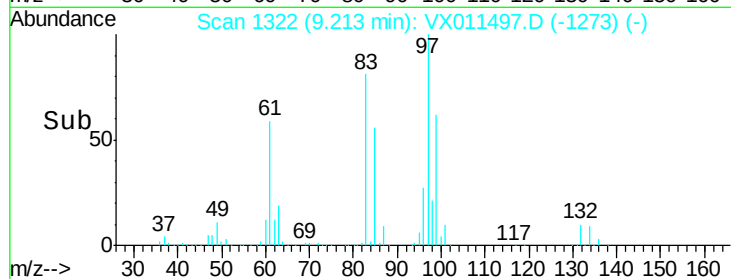
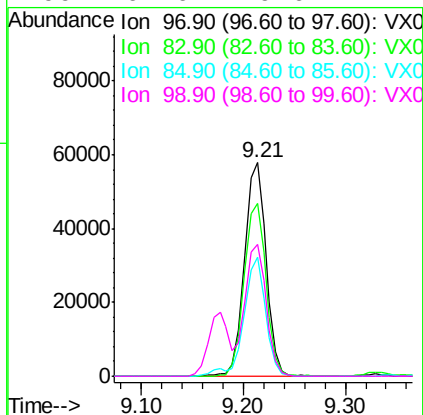
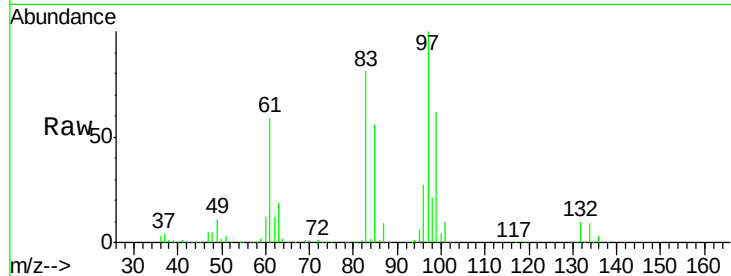
#55
 1,1,2-Trichloroethane
 Concen: 52.090 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	84983
Ion	Ratio	Lower	Upper
97	100		
83	80.9	67.6	101.4
85	55.8	43.4	65.0
99	61.6	49.6	74.4

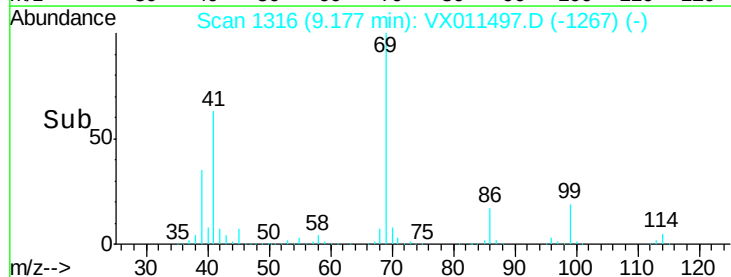
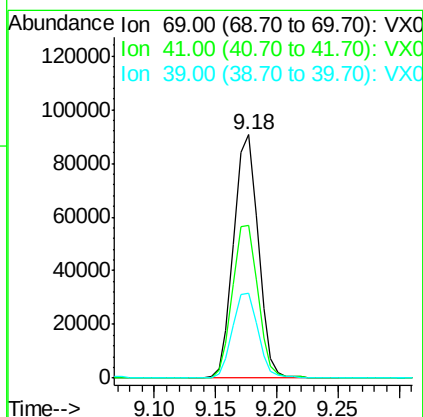
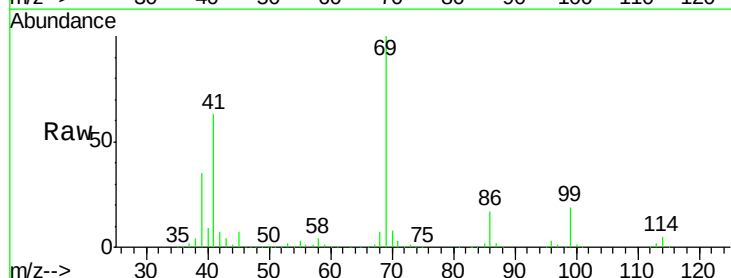
Manual Integrations
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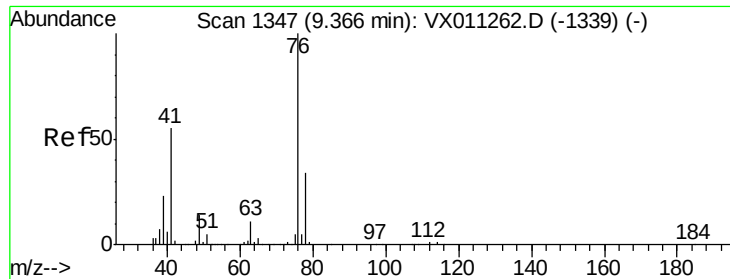
MMDadoda
 8/14/2019 9:18:17 AM



#56
 Ethyl methacrylate
 Concen: 54.242 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion:	69	Resp:	126108
Ion	Ratio	Lower	Upper
69	100		
41	64.8	48.6	73.0
39	36.3	29.4	44.2





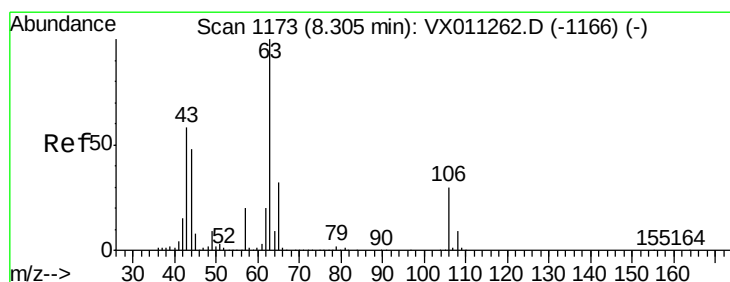
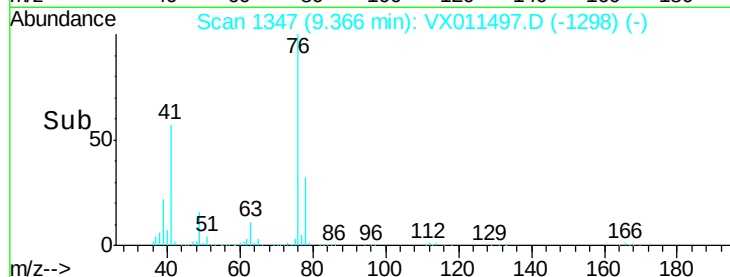
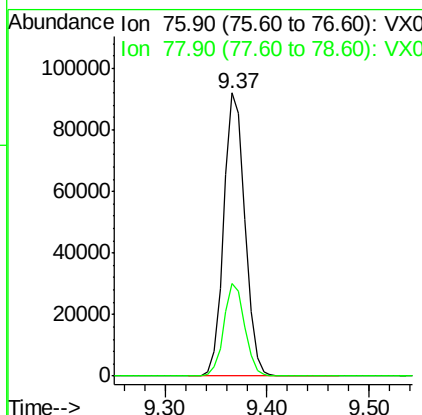
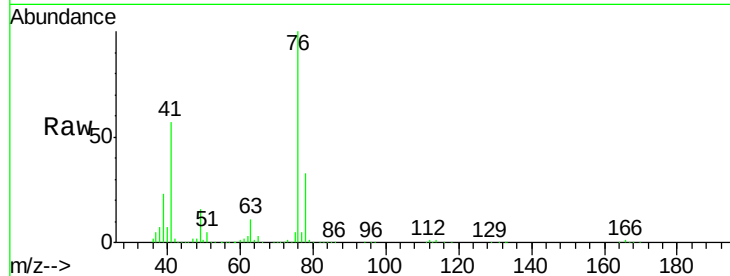
#57
 1,3-Dichloropropane
 Concen: 51.352 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.6	40.0

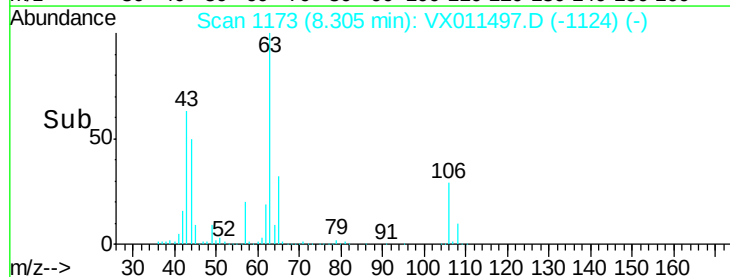
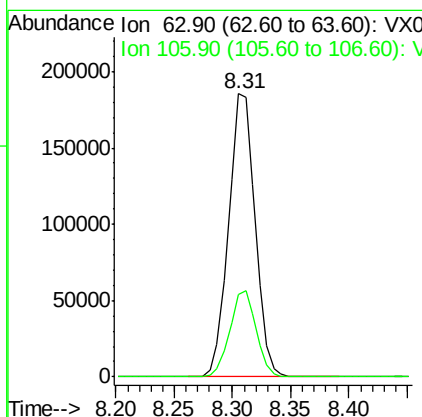
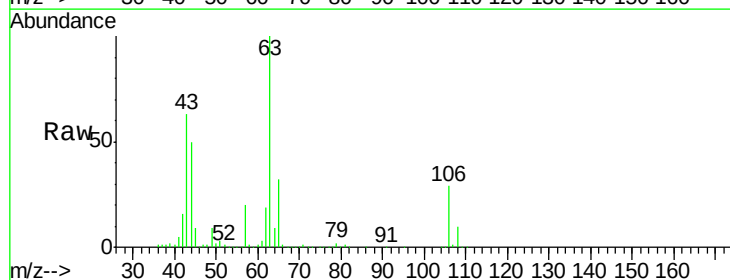
Manual Integrations
 APPROVED

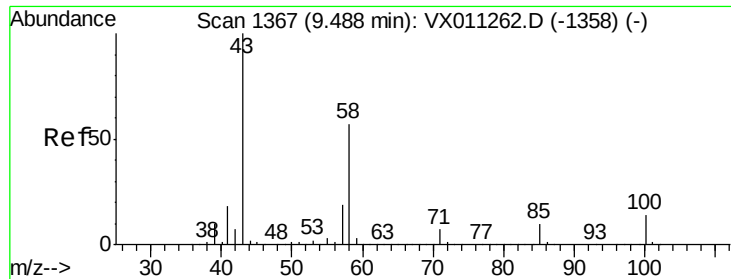
MMDadoda
 8/14/2019 9:18:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.301 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.1	24.4	36.6





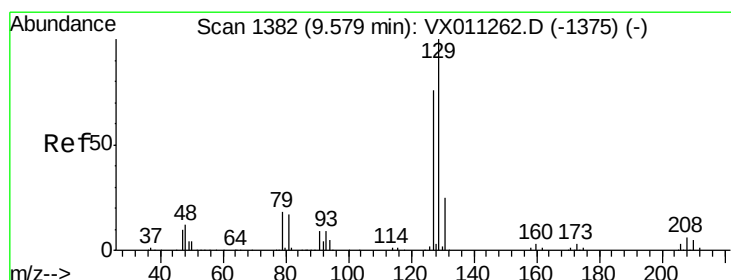
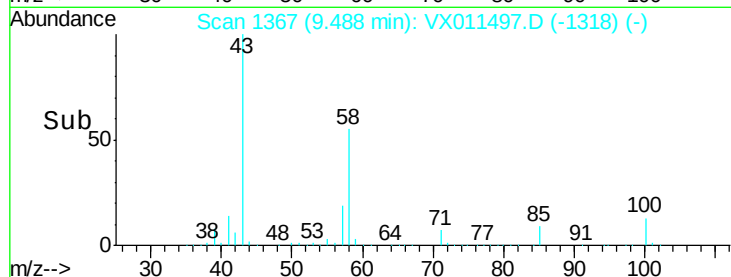
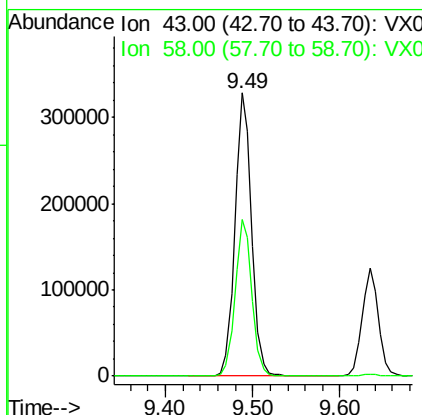
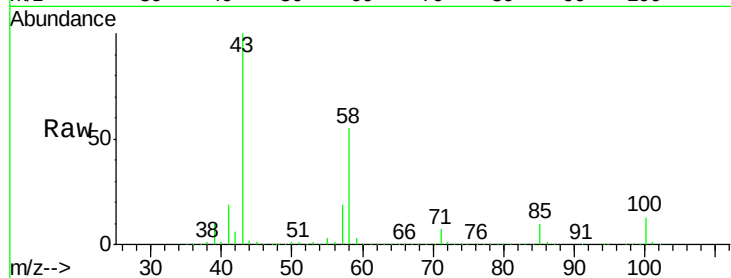
#59
2-Hexanone
Concen: 271.897 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.2	84.6

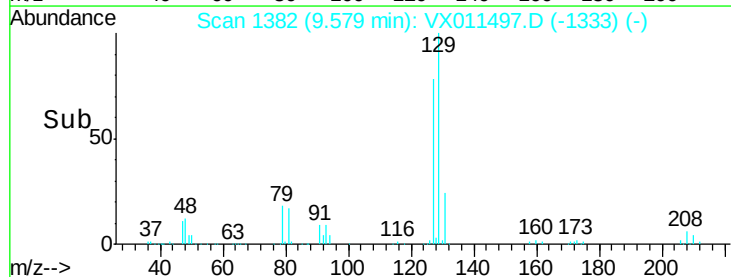
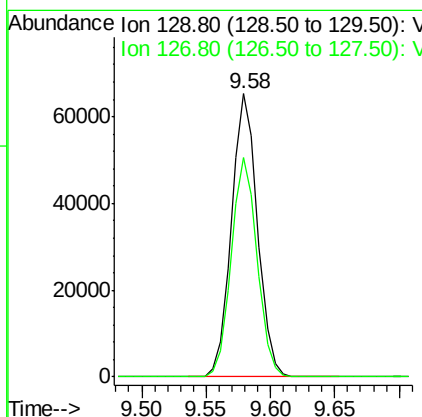
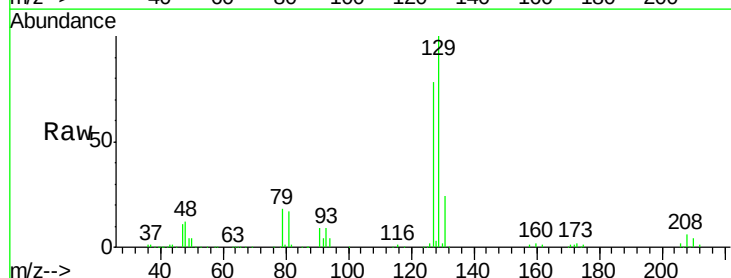
Manual Integrations
APPROVED

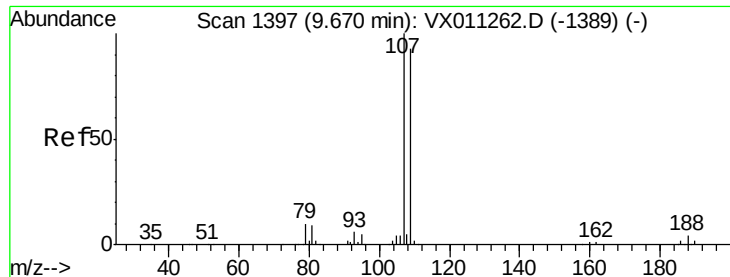
MMDadoda
8/14/2019 9:18:17 AM



#60
Dibromochloromethane
Concen: 55.038 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.2	117.6





#61

1,2-Dibromoethane

Concen: 51.585 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 90925

Ion Ratio Lower Upper

107 100

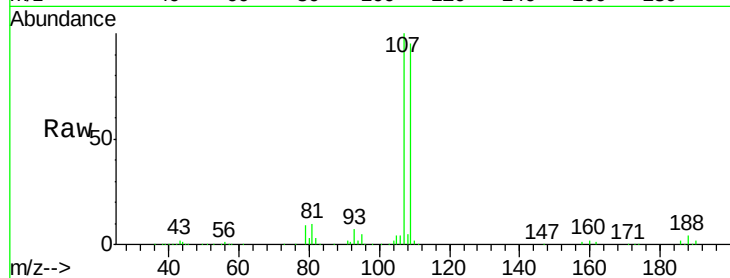
109 93.6 76.6 114.8

Manual Integrations

APPROVED

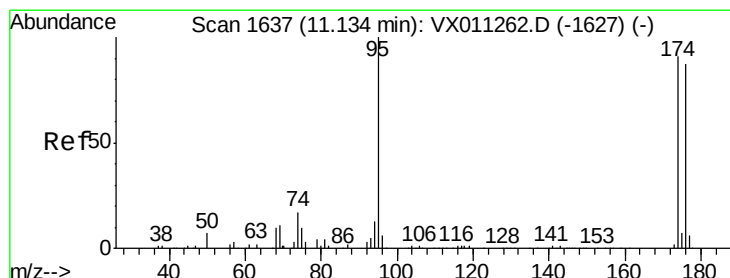
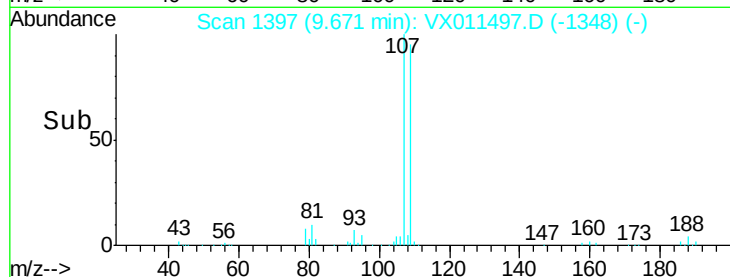
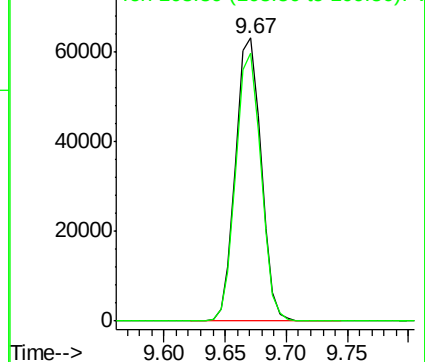
MMDadoda

8/14/2019 9:18:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.734 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

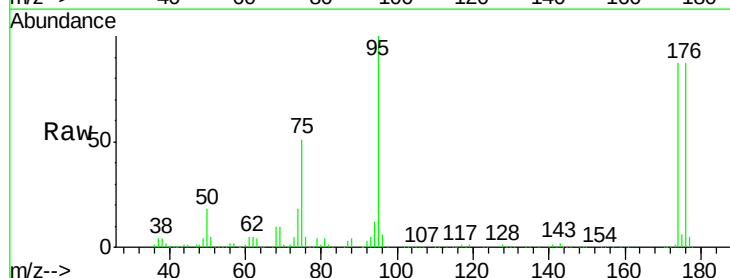
Tgt Ion: 95 Resp: 104853

Ion Ratio Lower Upper

95 100

174 90.6 0.0 191.2

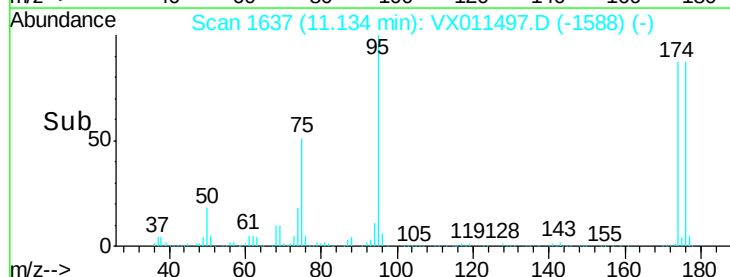
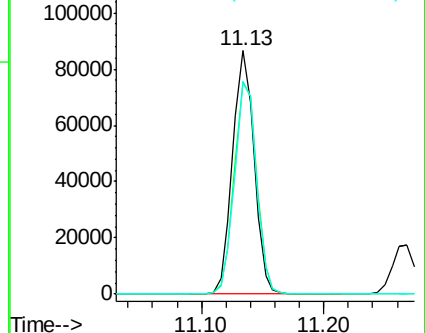
176 88.5 0.0 184.8

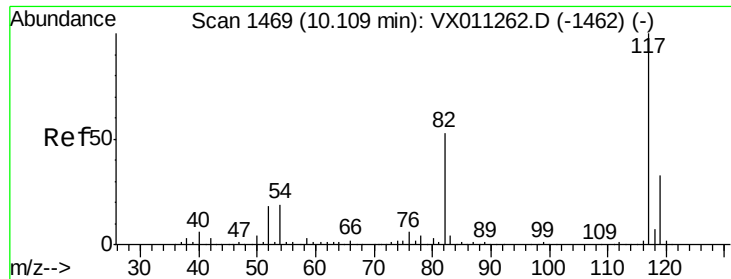


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





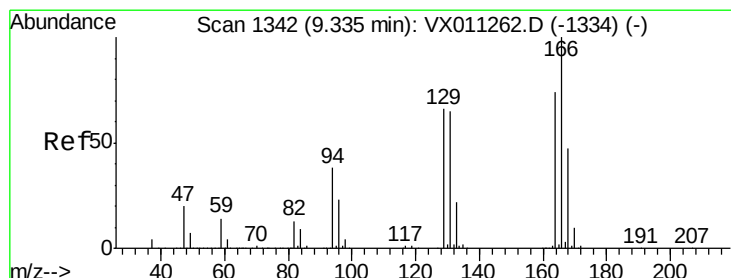
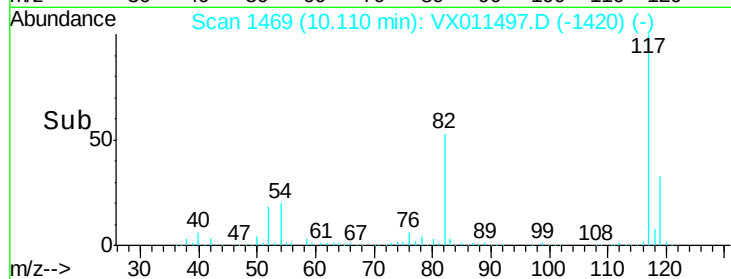
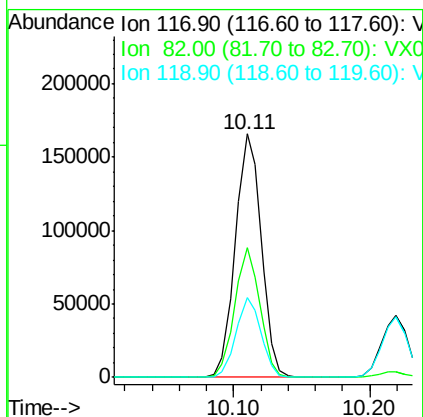
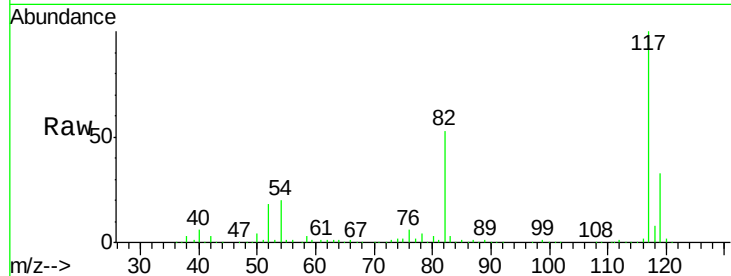
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.2
119	33.0	26.6	39.8

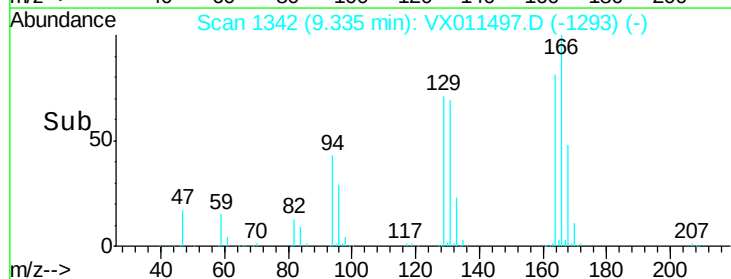
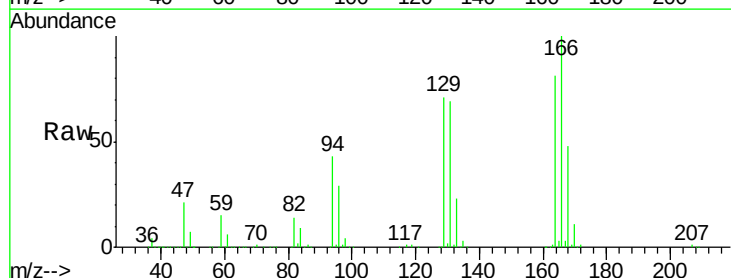
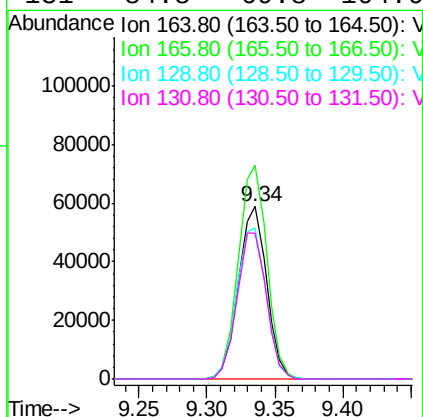
Manual Integrations
APPROVED

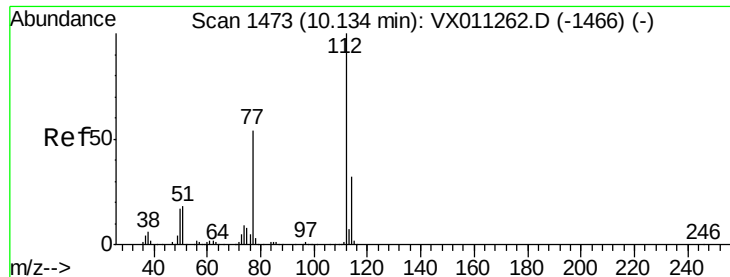
MMDadoda
8/14/2019 9:18:17 AM



#64
Tetrachloroethene
Concen: 45.622 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	107.5	161.3
129	87.4	71.0	106.4
131	84.8	69.8	104.6





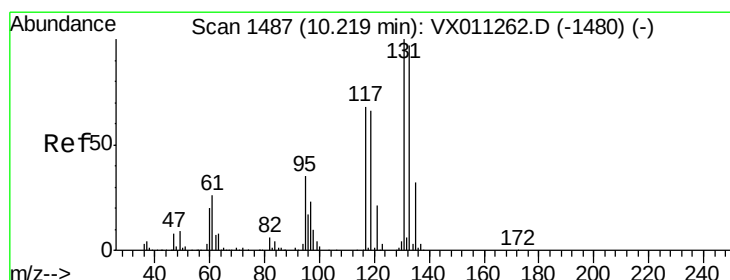
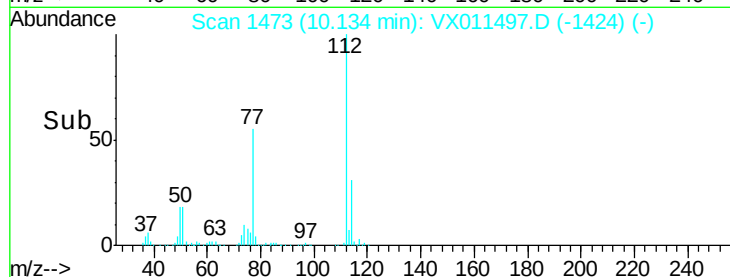
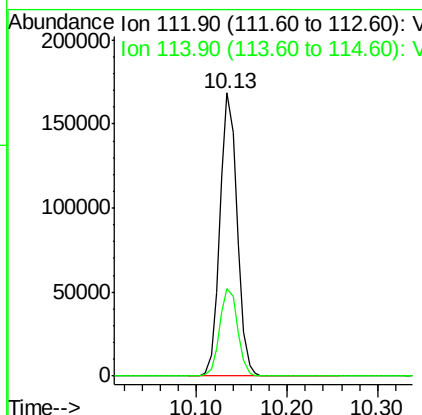
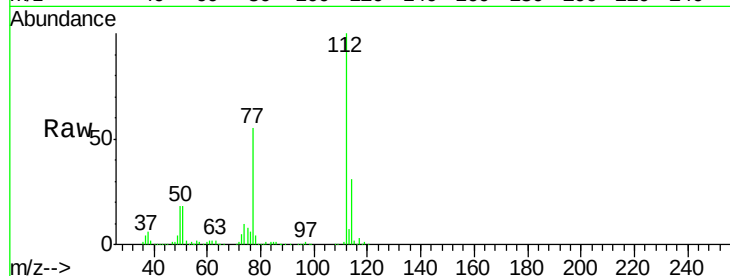
#65
Chlorobenzene
Concen: 47.453 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.9	38.9

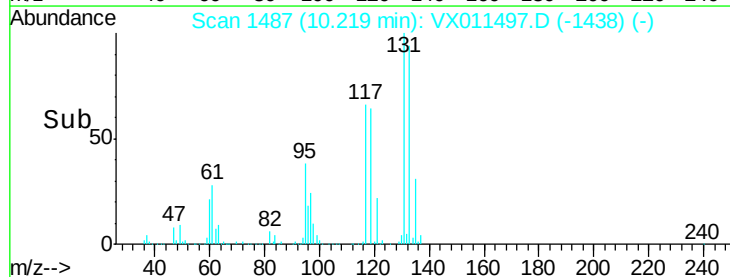
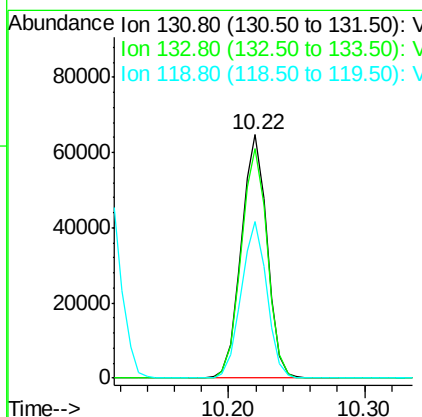
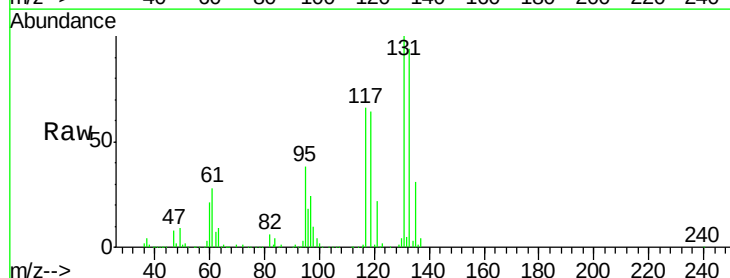
Manual Integrations
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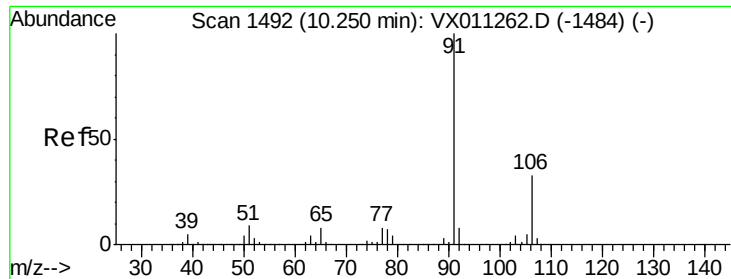
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.802 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	64.0	32.8	98.3





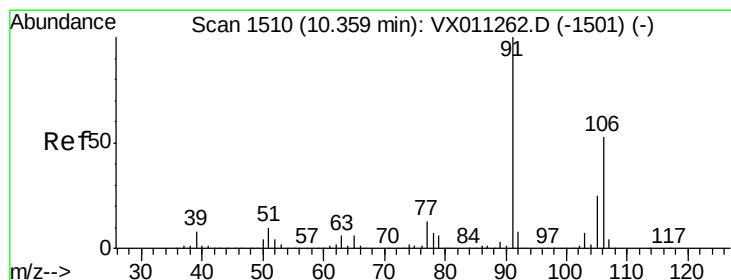
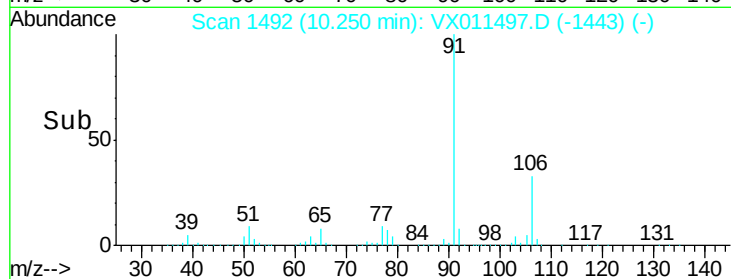
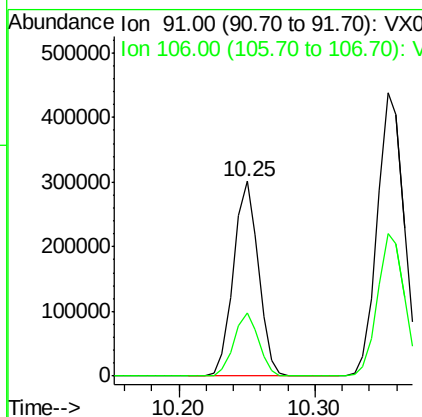
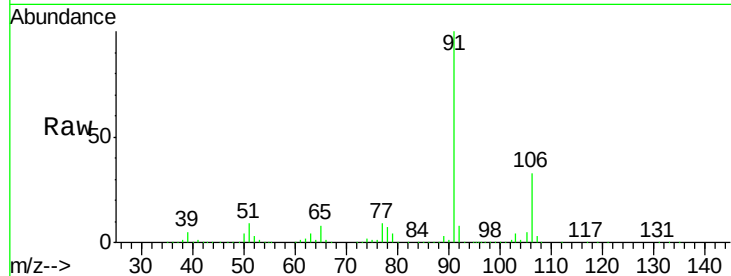
#67
Ethyl Benzene
Concen: 48.750 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 385761
Ion Ratio Lower Upper
91 100
106 32.7 26.2 39.4

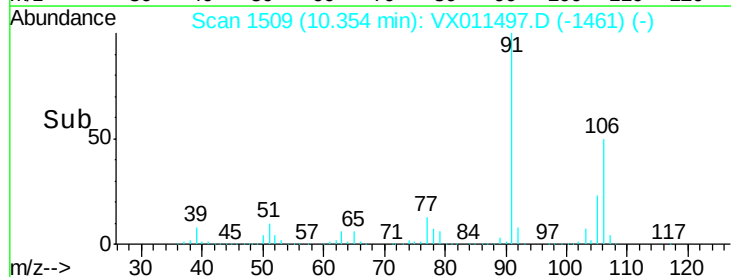
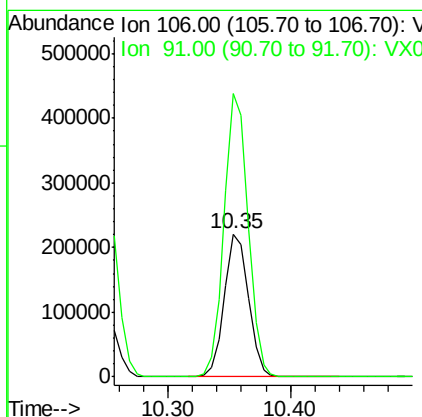
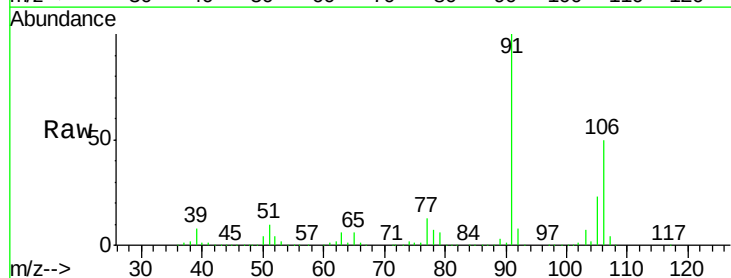
Manual Integrations
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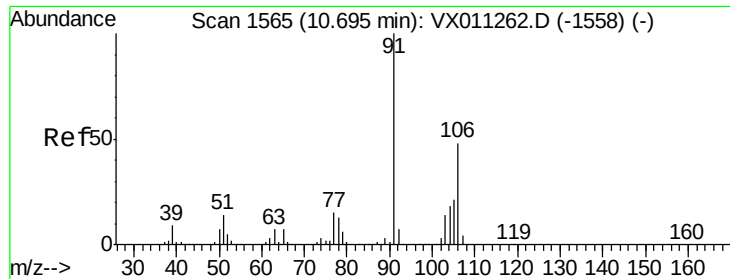
MMDadoda
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#68
m/p-Xylenes
Concen: 98.341 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion: 106 Resp: 300995
Ion Ratio Lower Upper
106 100
91 197.4 155.9 233.9





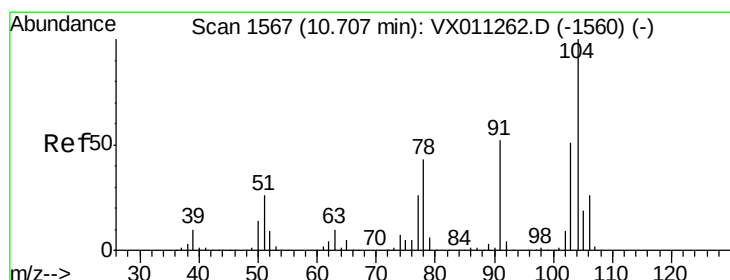
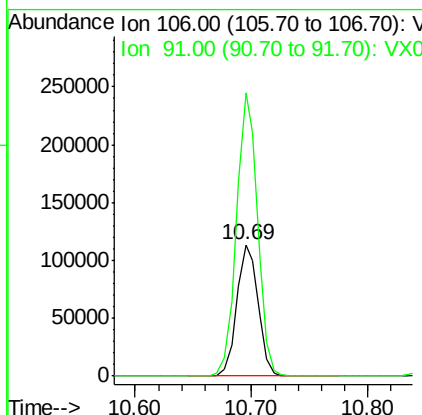
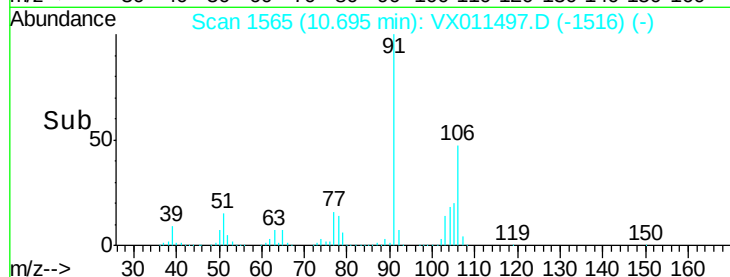
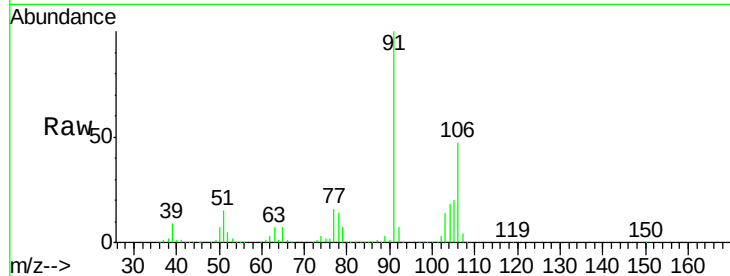
#69
o-Xylene
Concen: 48.300 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	103.8	311.3

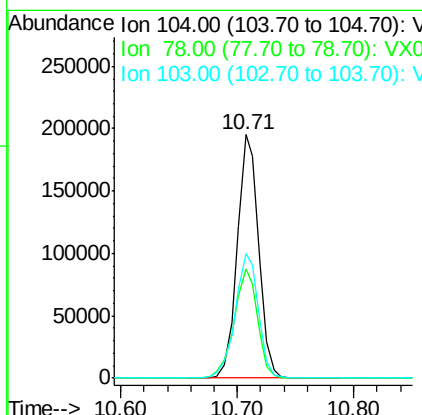
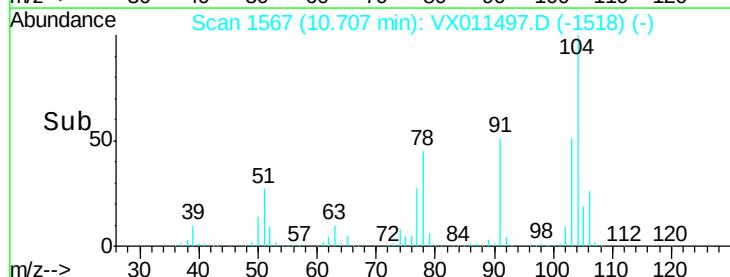
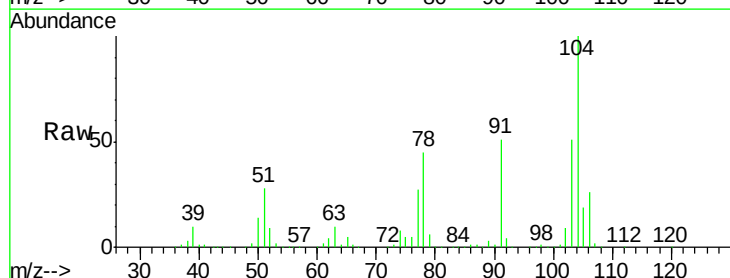
Manual Integrations
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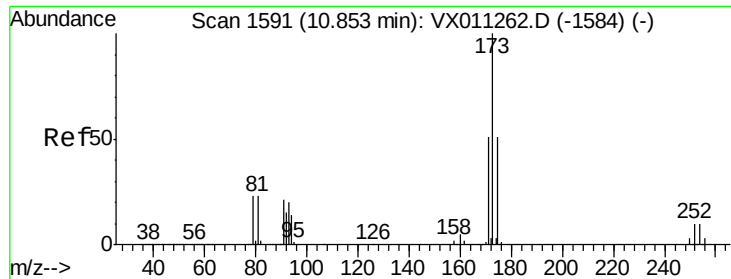
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#70
Styrene
Concen: 50.327 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.1	36.9	55.3
103	55.3	44.4	66.6





#71

Bromoform

Concen: 47.512 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 68502

Ion Ratio Lower Upper

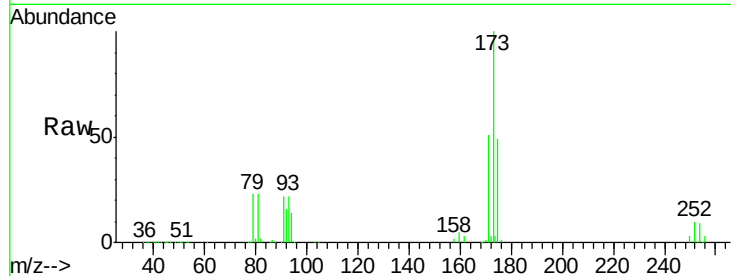
173 100

175 48.6 24.4 73.4

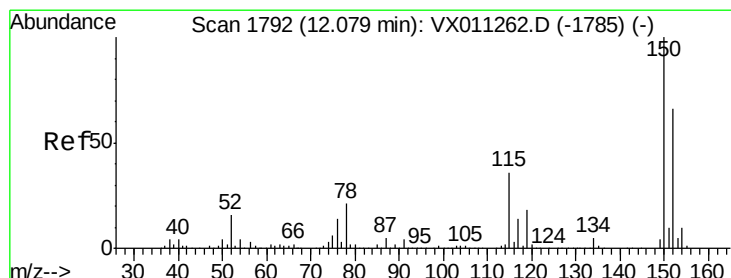
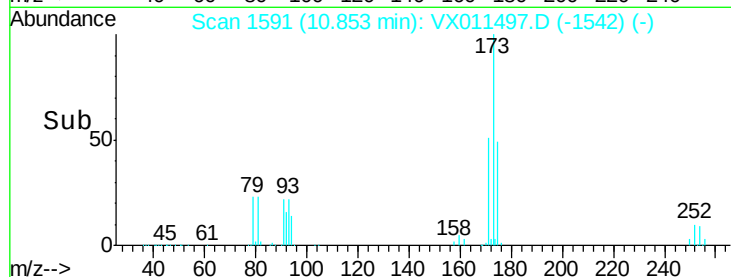
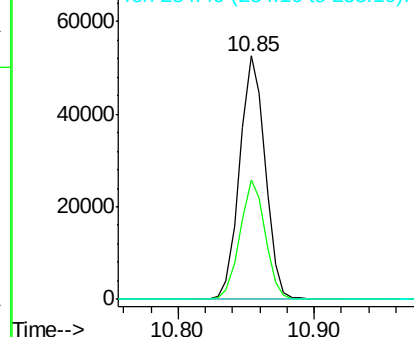
254 0.2 0.2 0.2

Manual Integrations
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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. -0.01 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

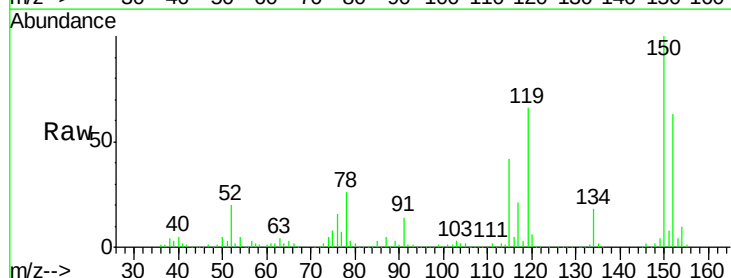
Tgt Ion:152 Resp: 114342

Ion Ratio Lower Upper

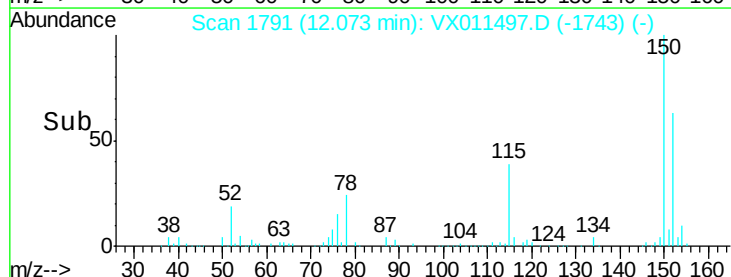
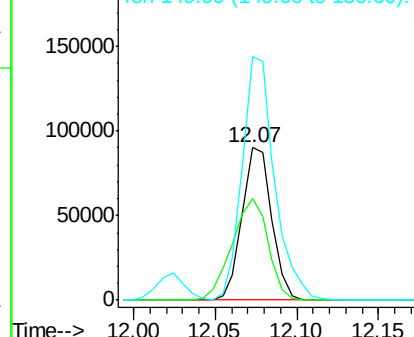
152 100

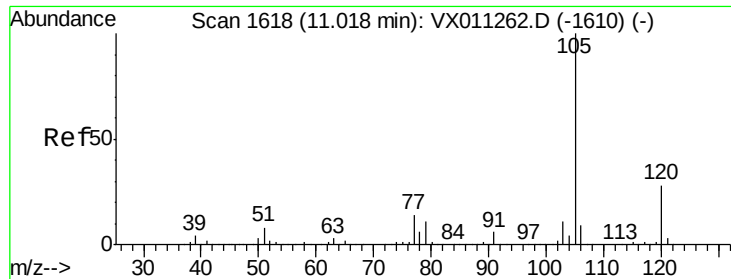
115 80.8 40.0 119.9

150 174.5 0.0 350.4



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: 50.881 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 397898

Ion Ratio Lower Upper

105 100

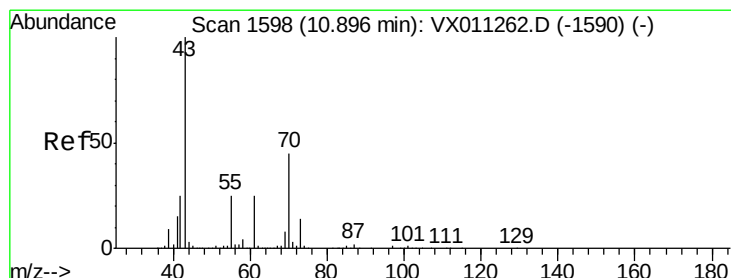
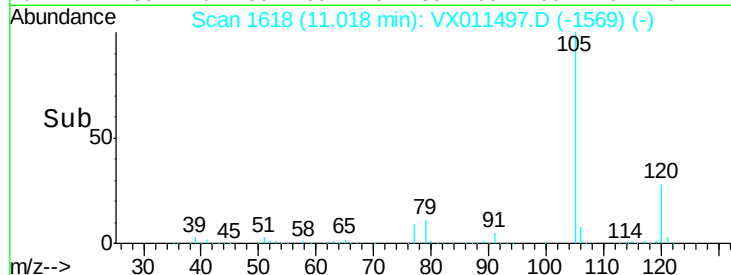
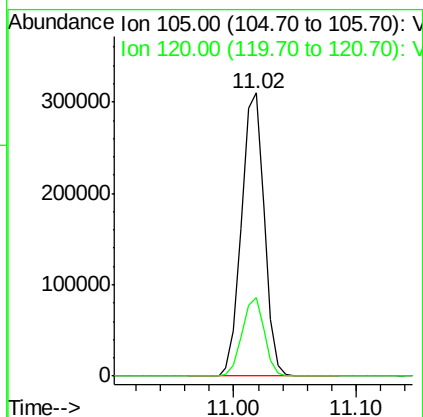
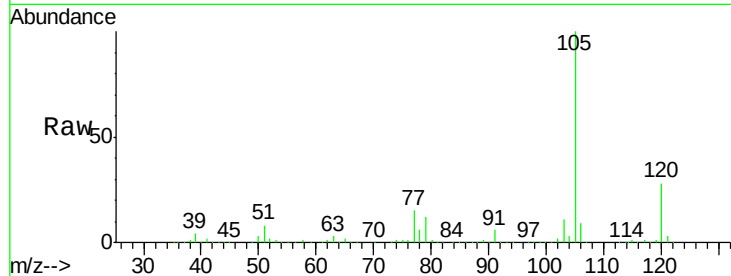
120 26.9 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.979 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Tgt Ion: 43 Resp: 152527

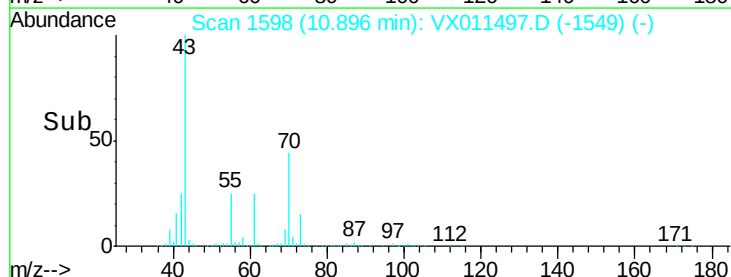
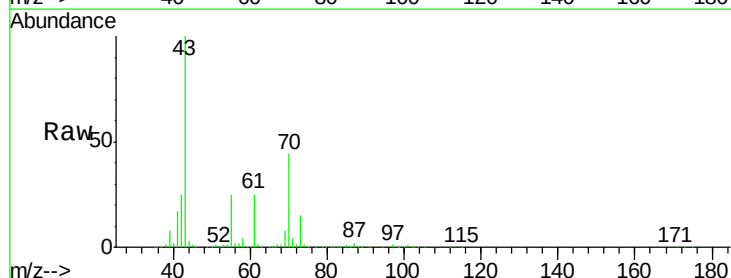
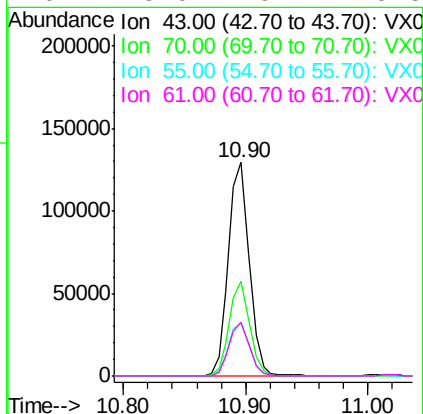
Ion Ratio Lower Upper

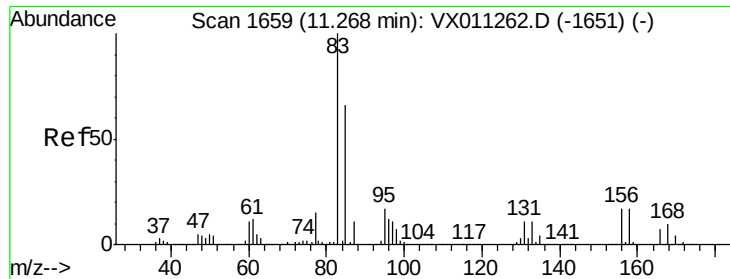
43 100

70 43.4 35.9 53.9

55 25.5 19.8 29.6

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.326 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

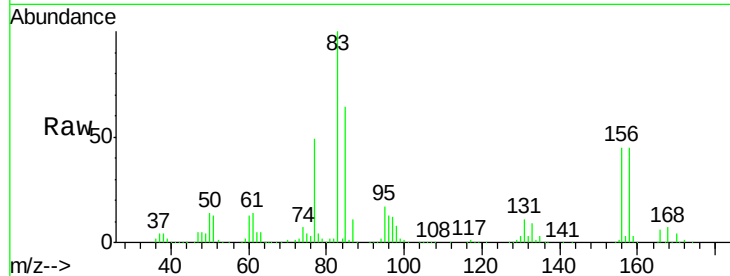
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	131153
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	65.4	32.1	96.5

Manual Integrations
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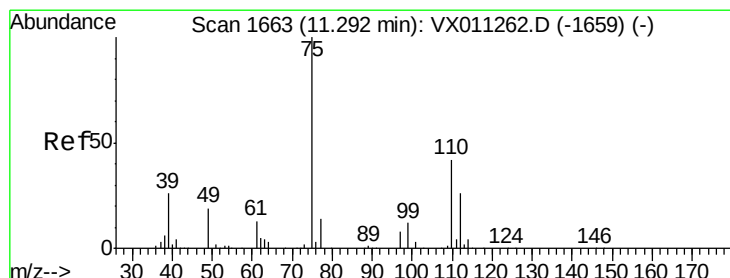
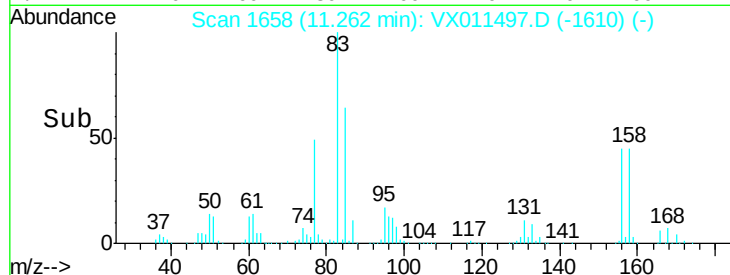
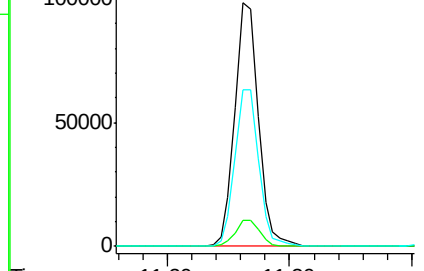
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 54.558 ug/l m

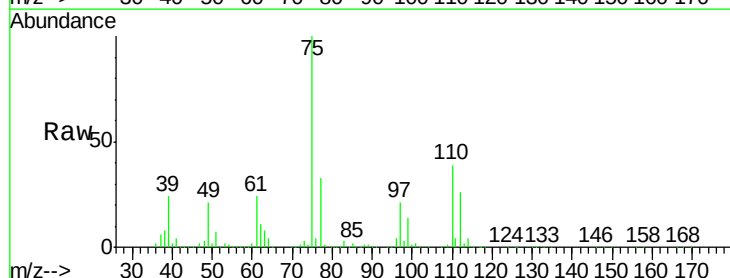
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011497.D

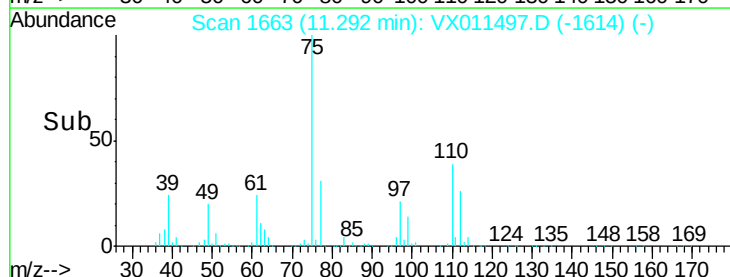
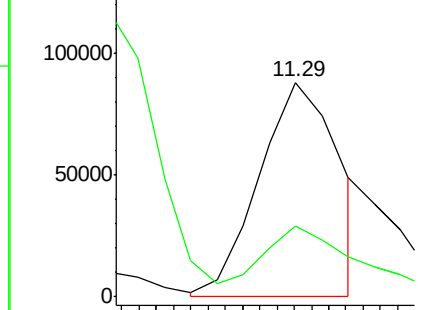
Acq: 12 Aug 2019 20:33

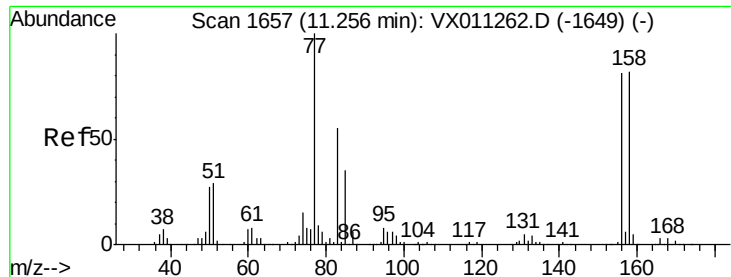
Tgt Ion:	75	Resp:	113606
Ion Ratio	Lower	Upper	
75	100		
77	40.1	21.1	63.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.042 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

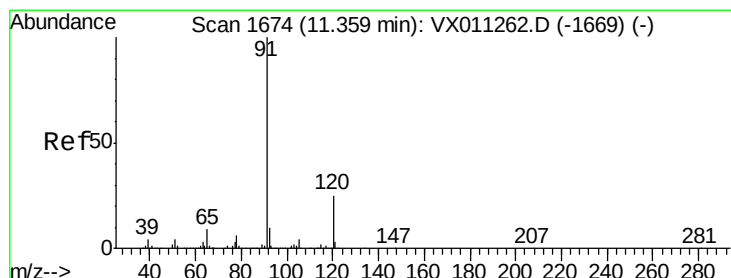
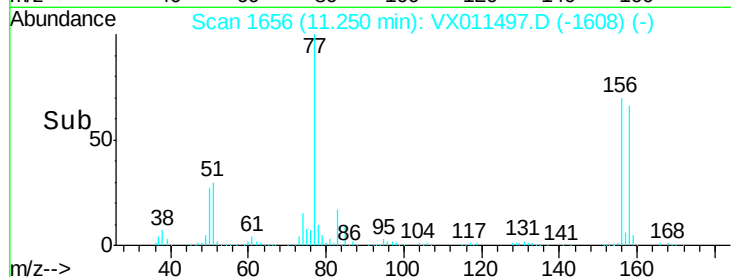
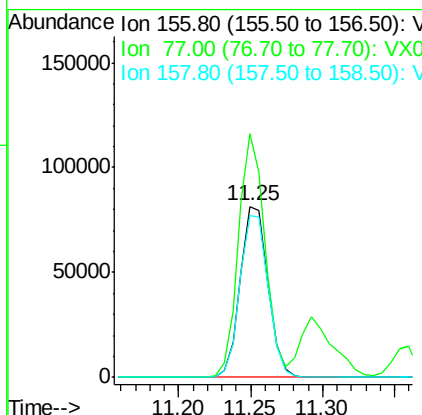
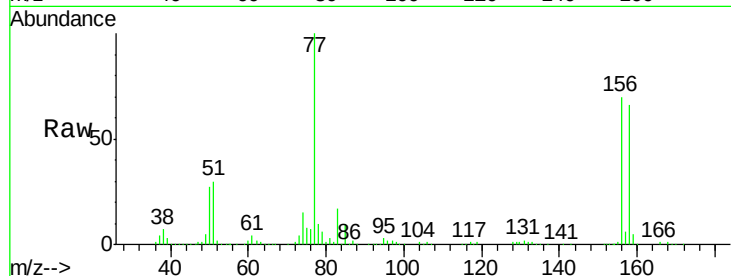
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	108517
Ion Ratio	Lower	Upper	
156	100		
77	136.9	66.2	198.6
158	97.2	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 50.409 ug/l

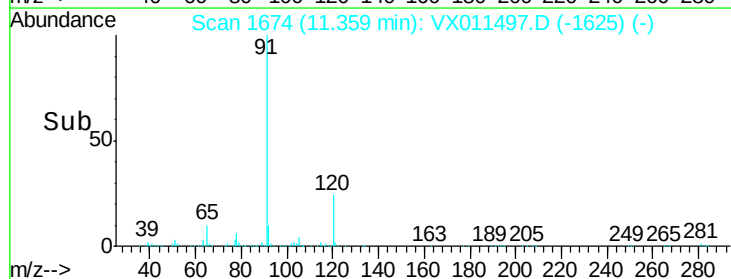
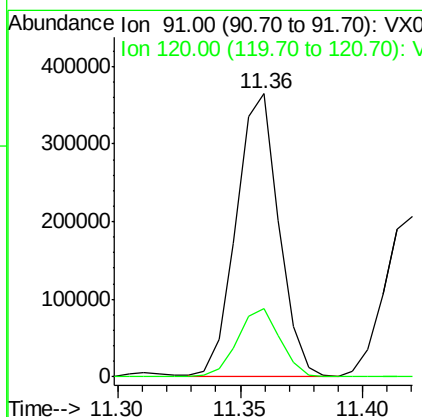
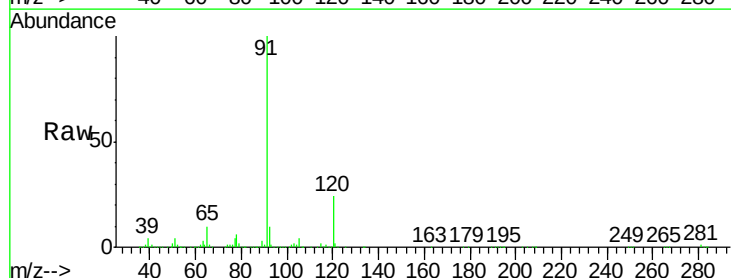
RT: 11.36 min Scan# 1674

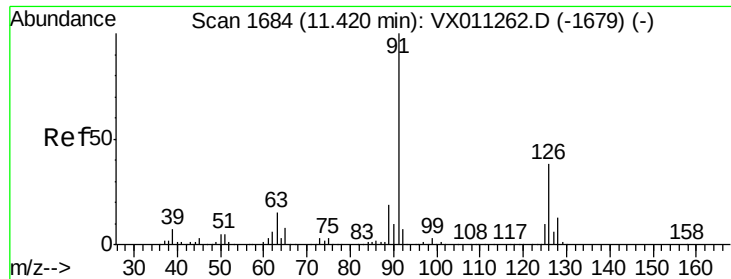
Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Tgt Ion:	91	Resp:	438388
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.4	37.0





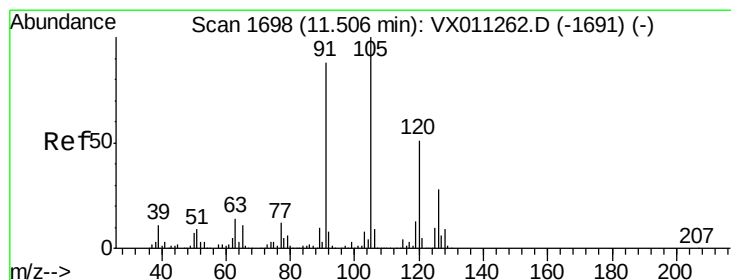
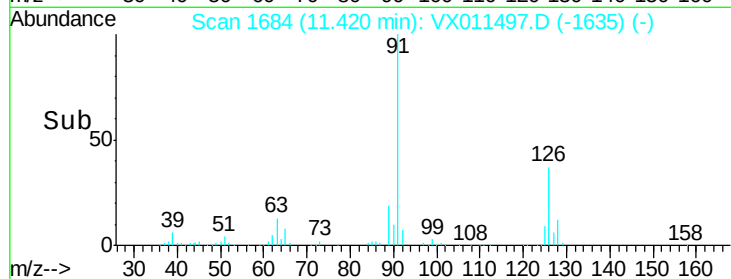
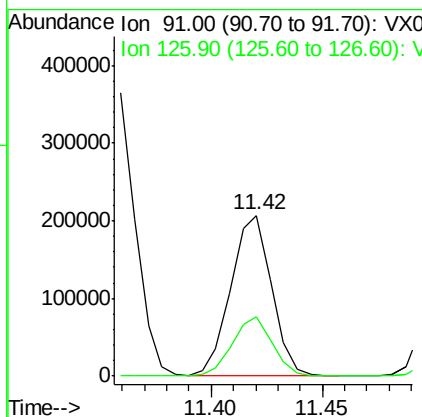
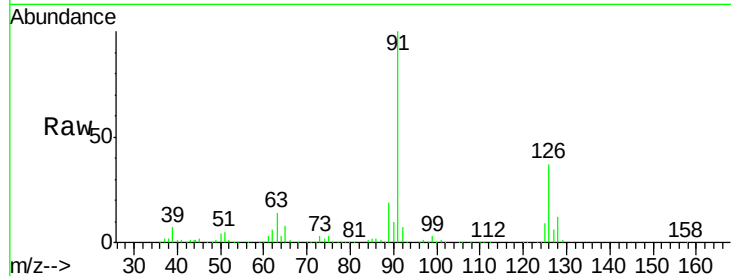
#79
 2-Chlorotoluene
 Concen: 50.885 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.5	55.5

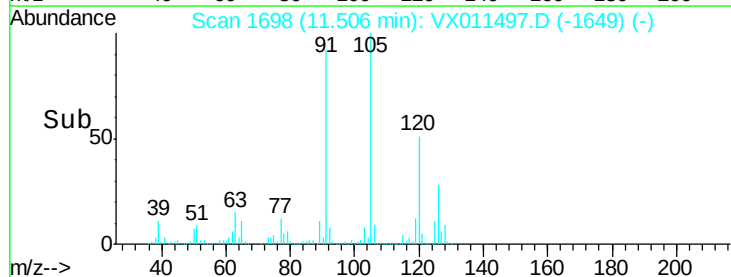
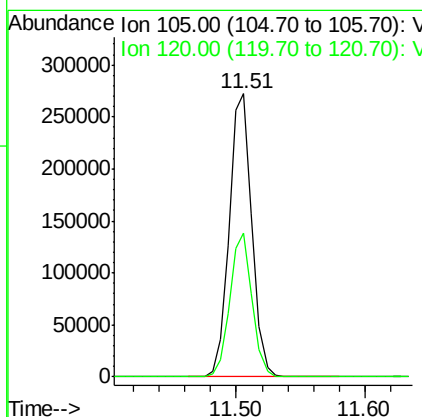
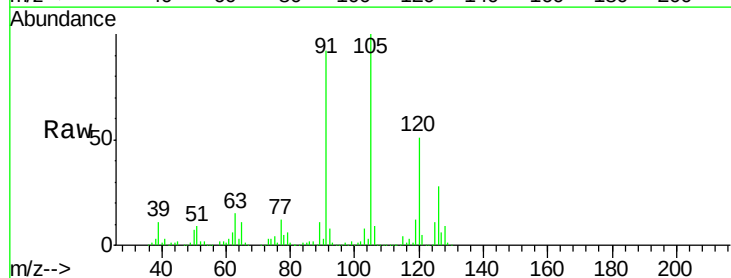
Manual Integrations
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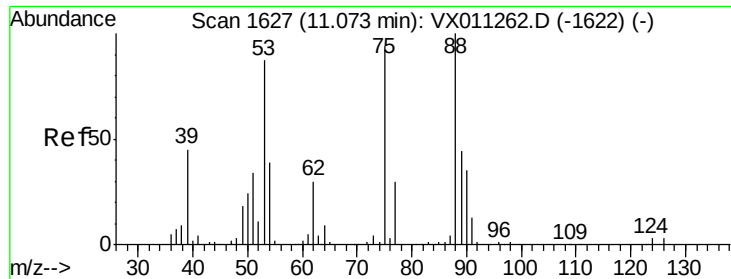
MMDadoda
 8/14/2019 9:18:17 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.174 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	25.1	75.2





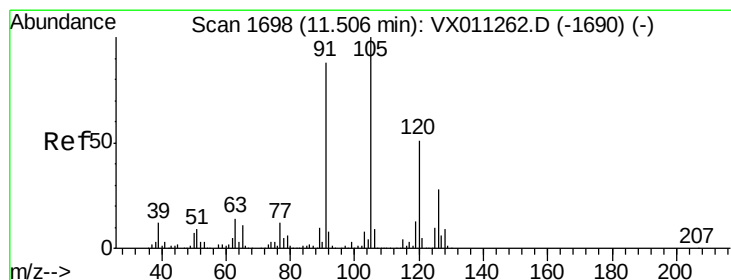
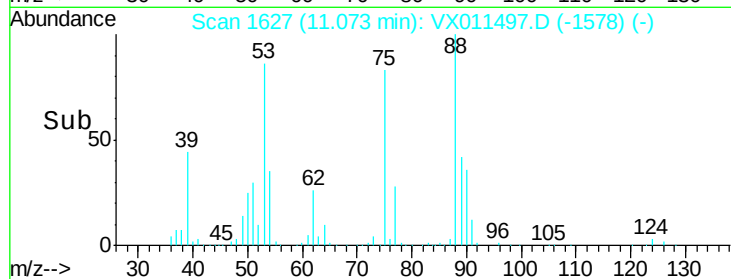
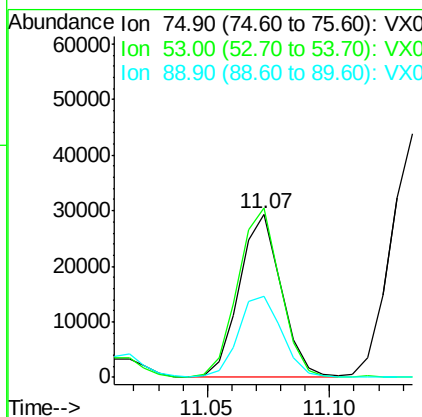
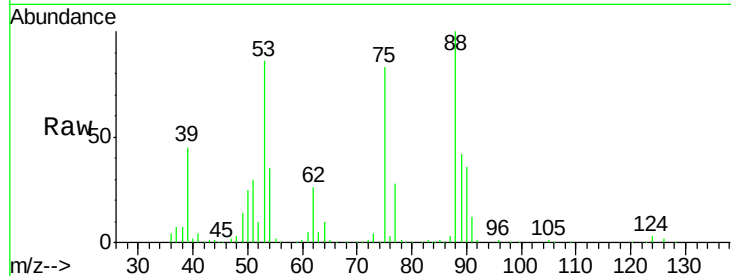
#81
trans-1,4-Dichloro-2-butene
Concen: 45.396 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.3	78.2	117.4
89	51.9	37.9	56.9

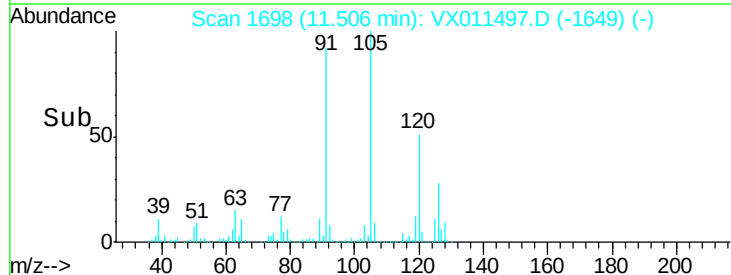
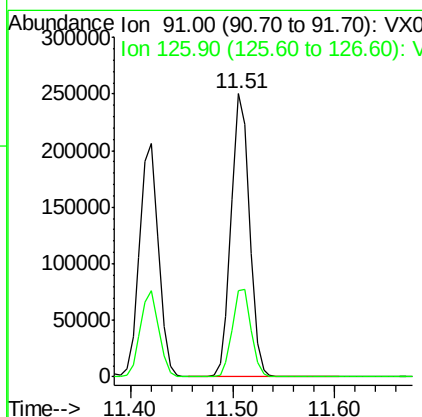
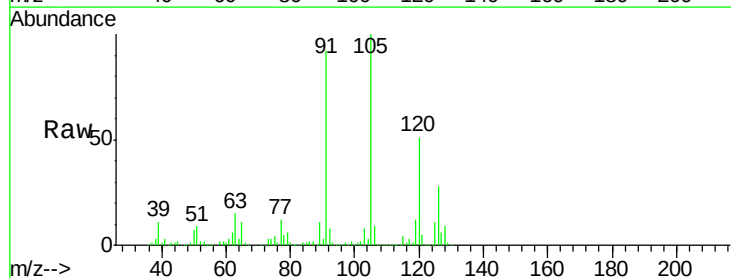
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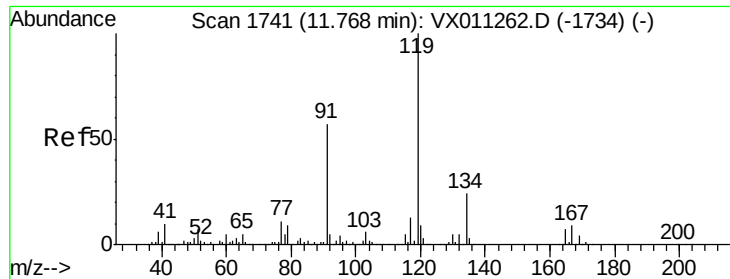
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.167 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.4	49.2





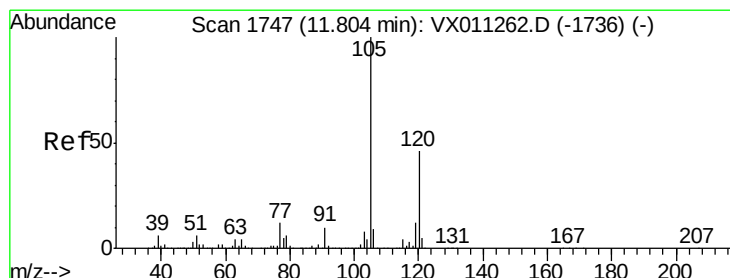
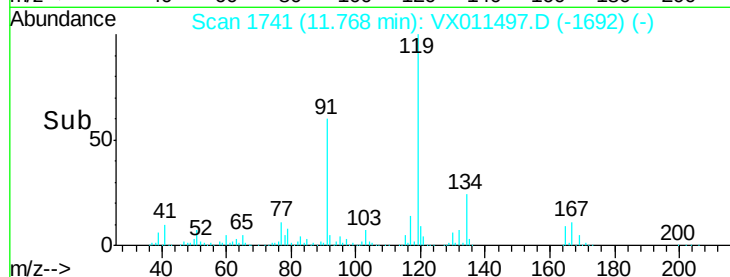
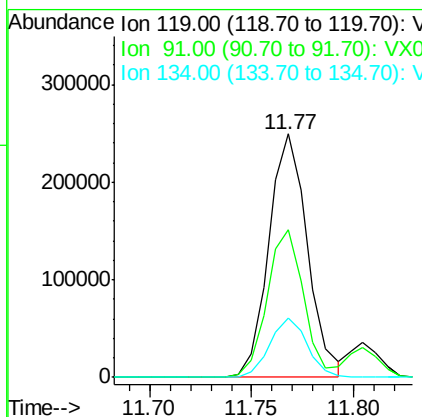
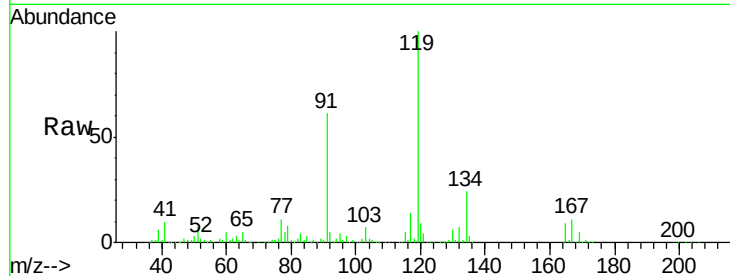
#83
tert-Butylbenzene
Concen: 51.209 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	328788		
91	58.1	28.0	84.0	
134	23.4	11.9	35.5	

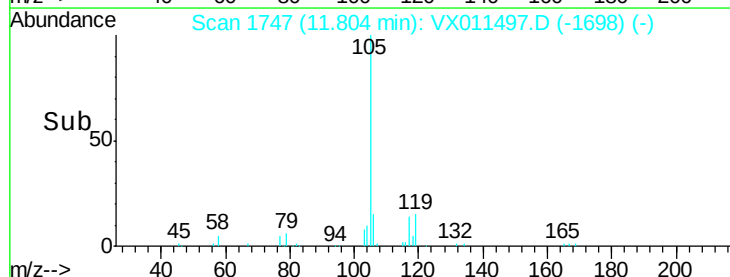
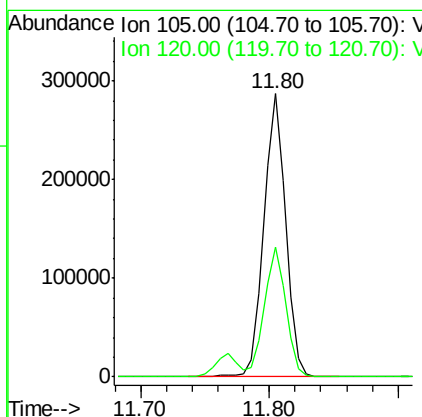
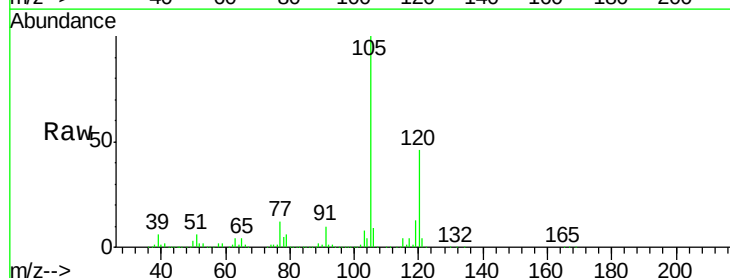
Manual Integrations
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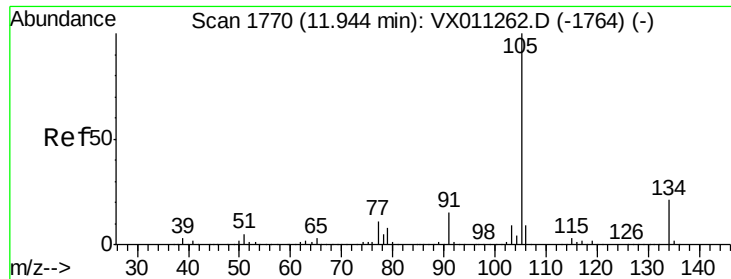
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#84
1,2,4-Trimethylbenzene
Concen: 51.430 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	335202		
120	45.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 50.153 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 386877

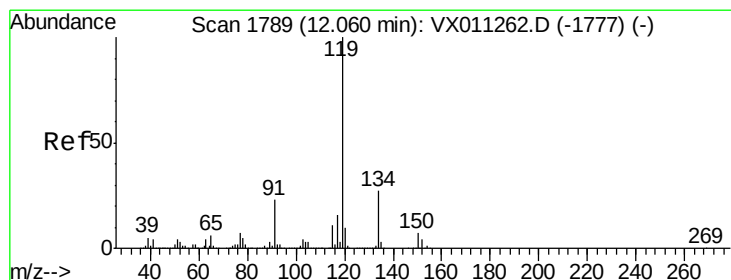
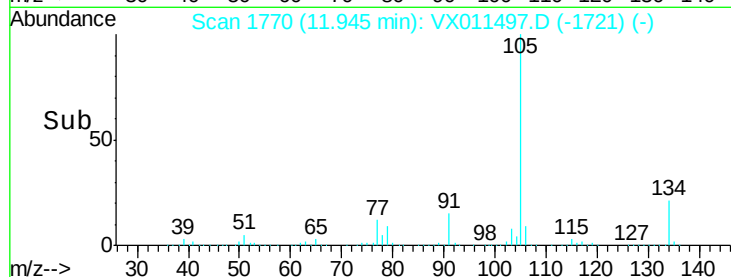
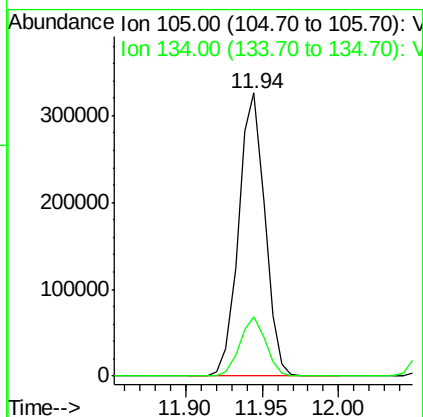
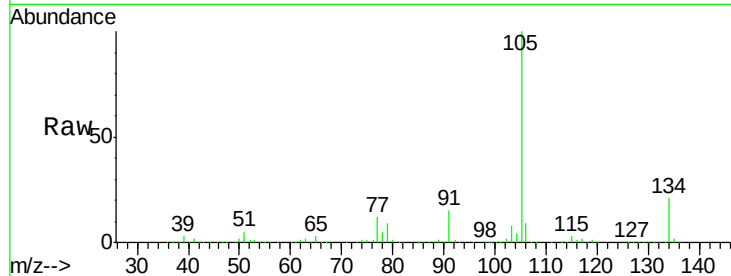
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.707 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

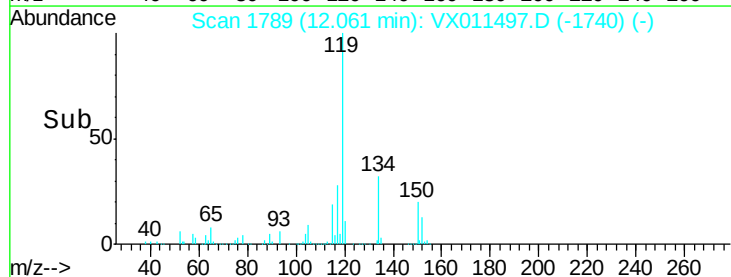
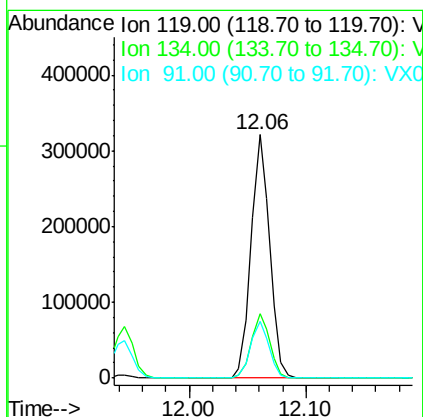
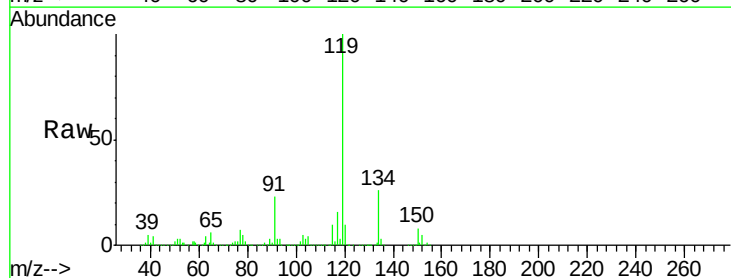
Tgt Ion:119 Resp: 359842

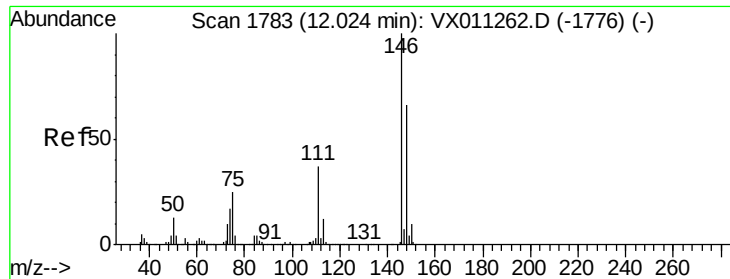
Ion Ratio Lower Upper

119 100

134 26.3 13.7 41.0

91 23.6 11.4 34.2





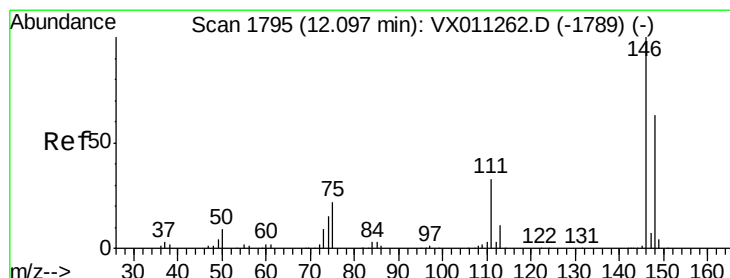
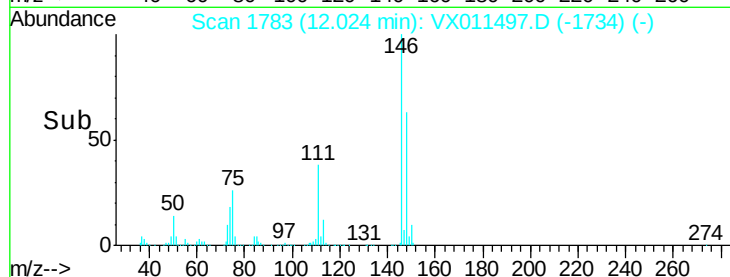
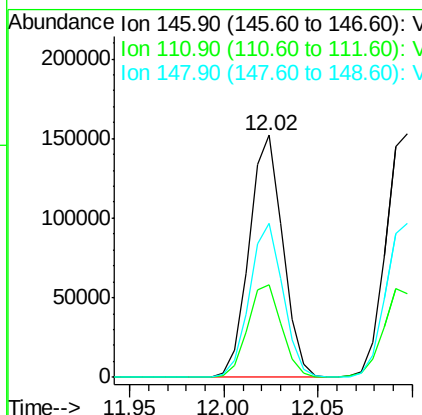
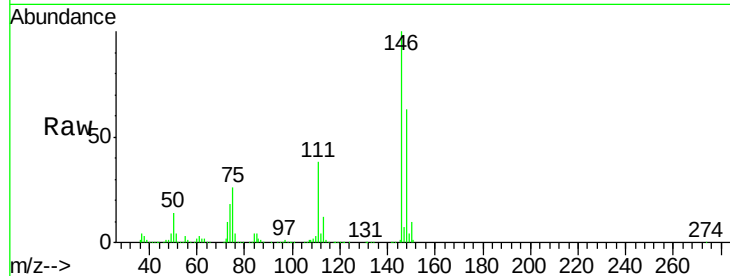
#87
 1,3-Dichlorobenzene
 Concen: 49.141 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.8
148	63.0	32.5	97.5

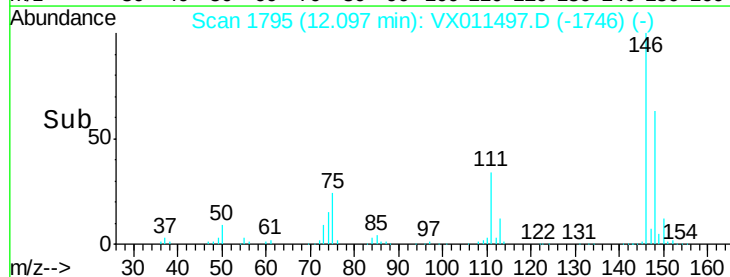
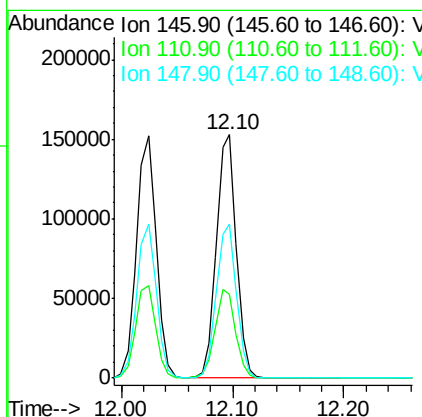
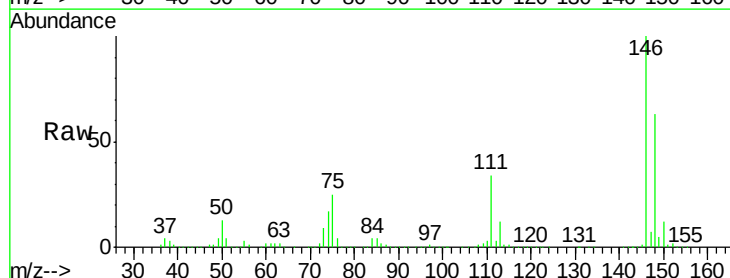
Manual Integrations
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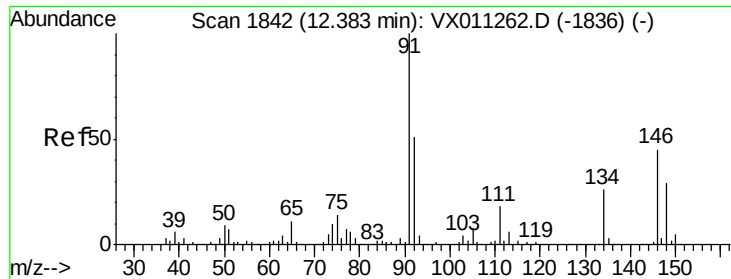
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#88
 1,4-Dichlorobenzene
 Concen: 47.977 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	17.8	53.4
148	63.9	31.8	95.3





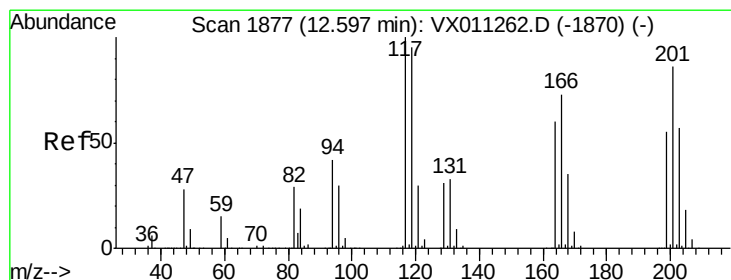
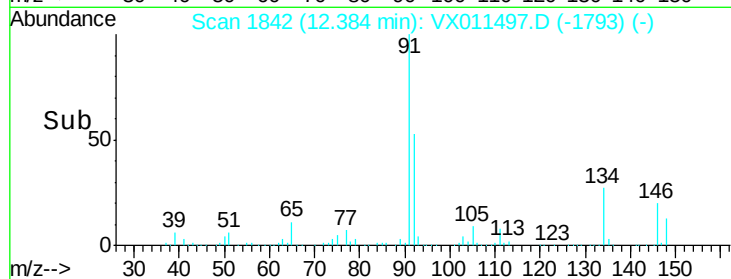
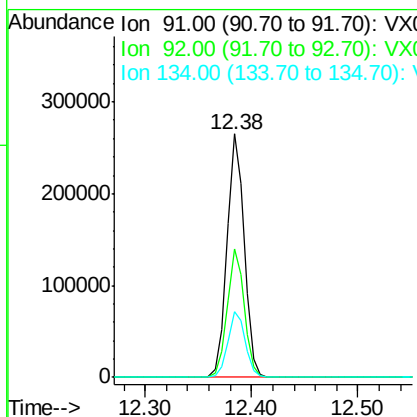
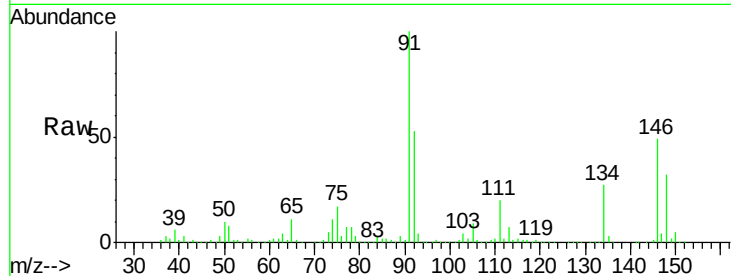
#89
n-Butylbenzene
Concen: 49.233 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.3
134	27.6	13.7	41.0

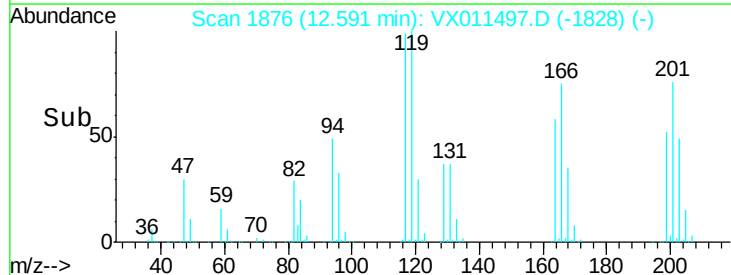
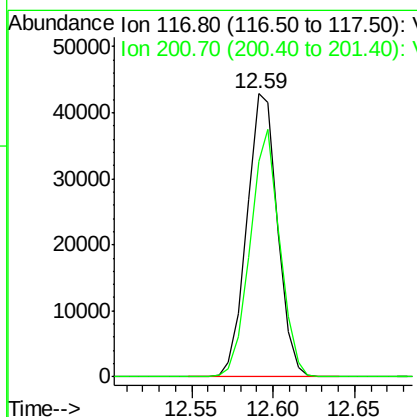
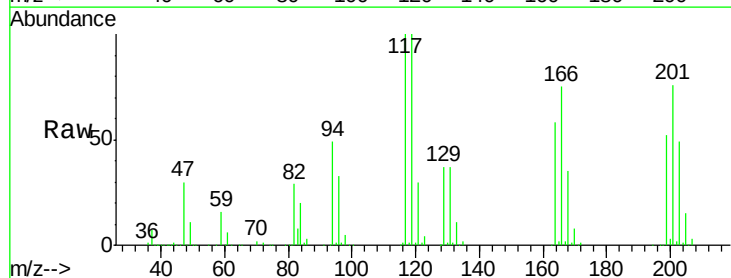
Manual Integrations
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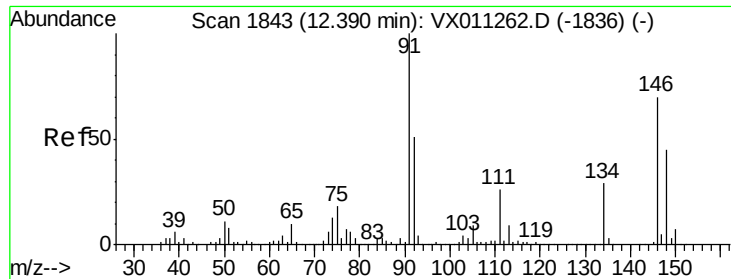
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#90
Hexachloroethane
Concen: 53.675 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011497.D
Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	41.8	125.4





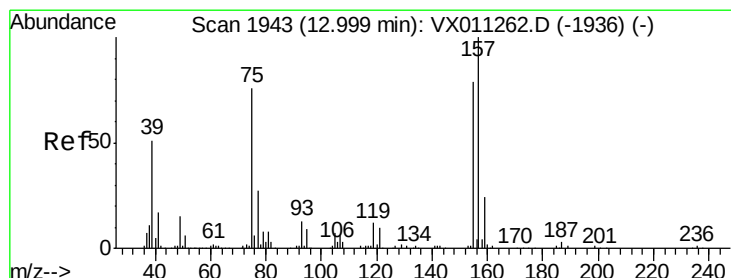
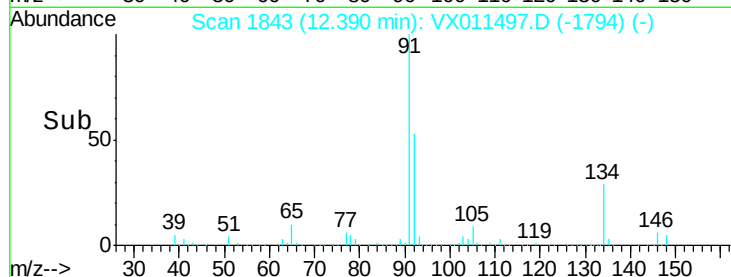
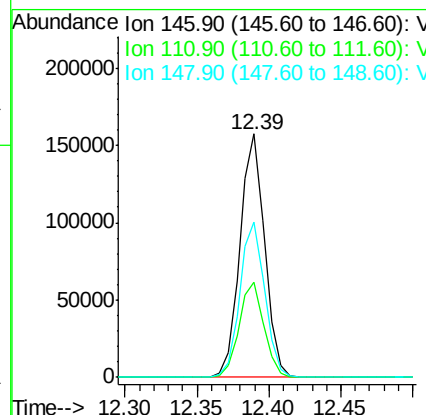
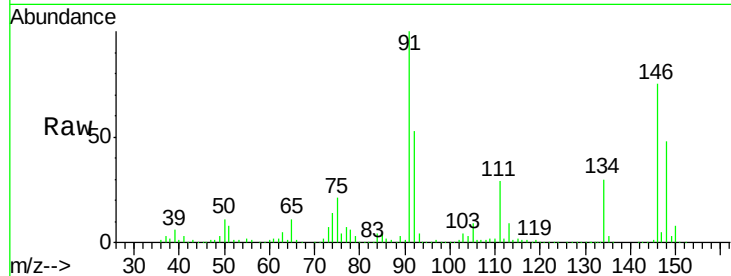
#91
 1,2-Dichlorobenzene
 Concen: 48.924 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	188349		
111	39.6	19.1	57.1	
148	64.6	32.3	96.8	

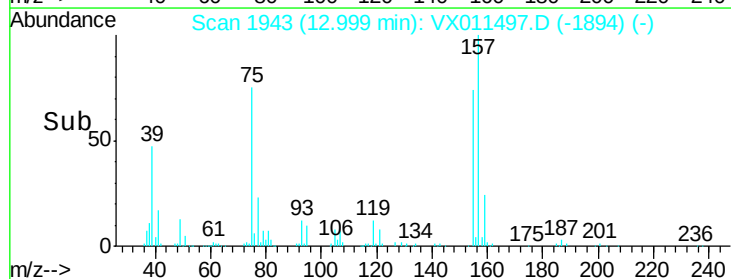
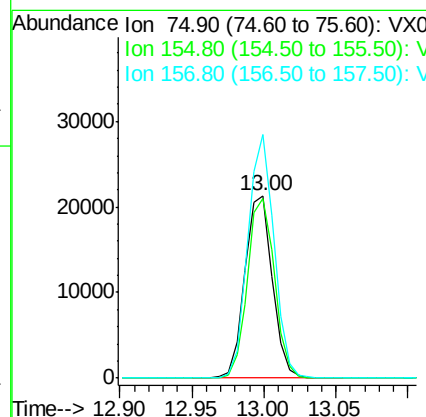
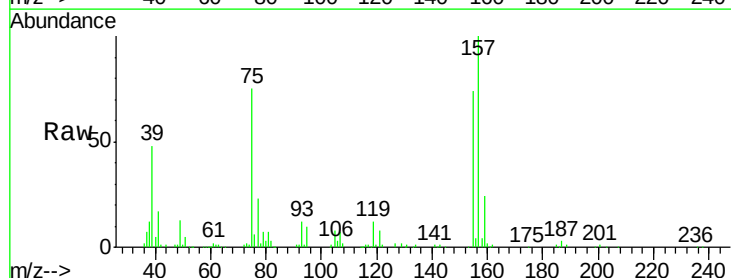
Manual Integrations
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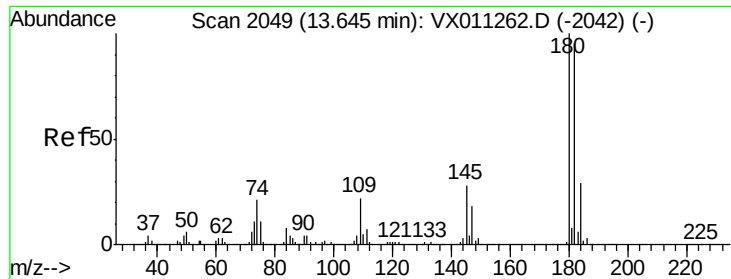
MMDadoda
 8/14/2019 9:18:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.898 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28223		
155	95.9	51.9	155.8	
157	126.2	64.3	192.7	





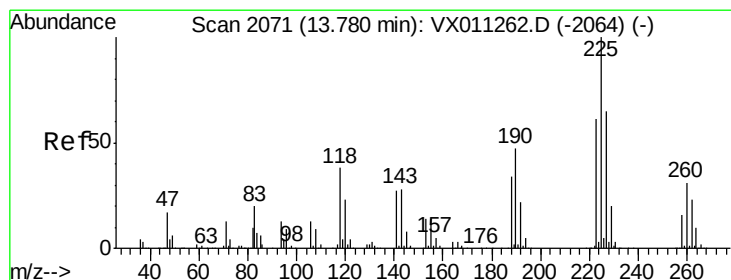
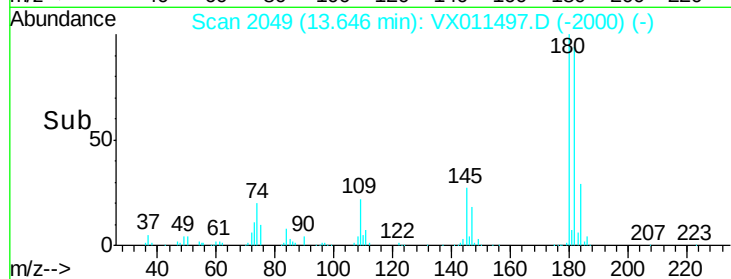
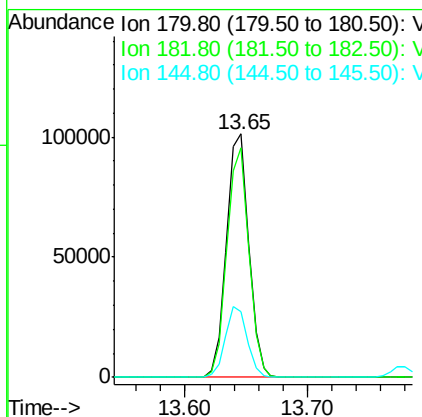
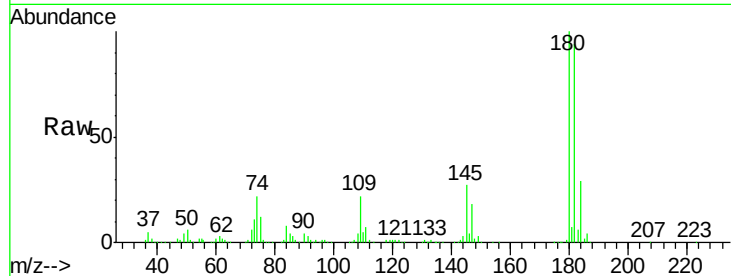
#93
 1,2,4-Trichlorobenzene
 Concen: 49.915 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127439		
182	92.6		47.8	143.4
145	28.6		14.8	44.3

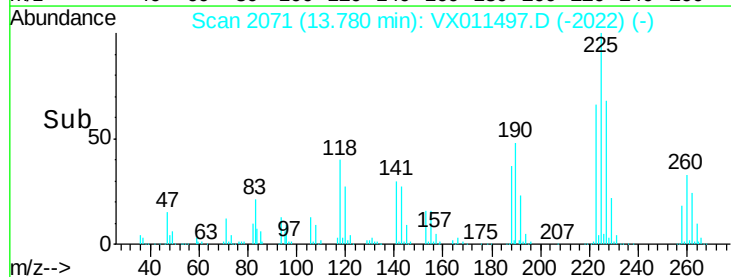
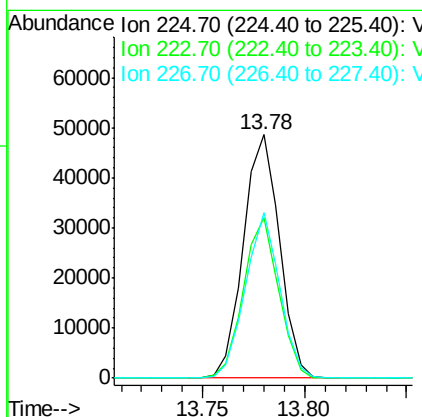
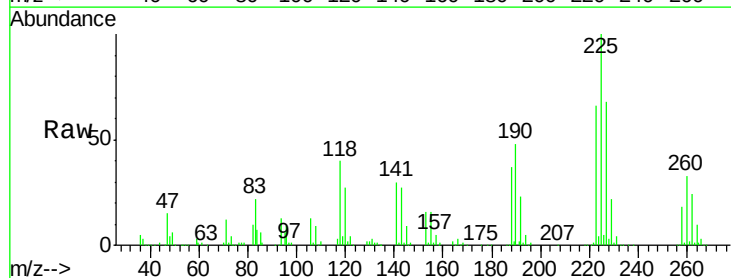
Manual Integrations
 APPROVED

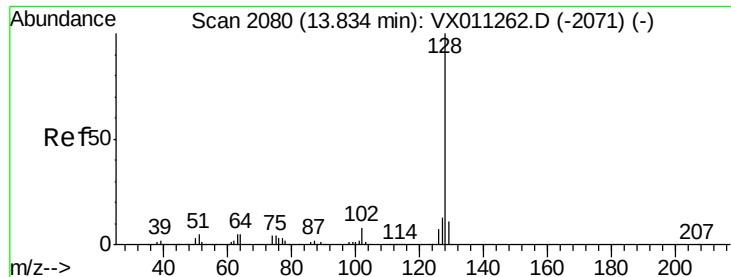
MMDadoda
 8/14/2019 9:18:17 AM



#94
 Hexachlorobutadiene
 Concen: 46.156 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011497.D
 Acq: 12 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59788		
223	64.3		31.0	93.0
227	64.5		32.2	96.6





#95

Naphthalene

Concen: 53.112 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Instrument :

MSVOA_X

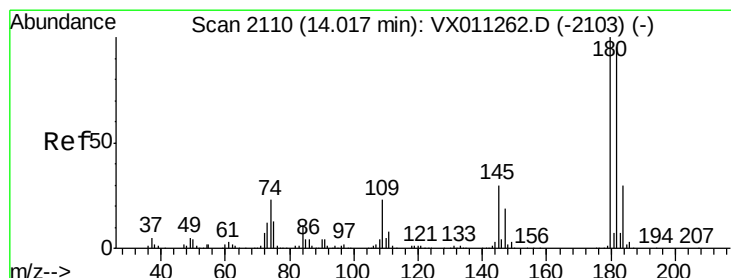
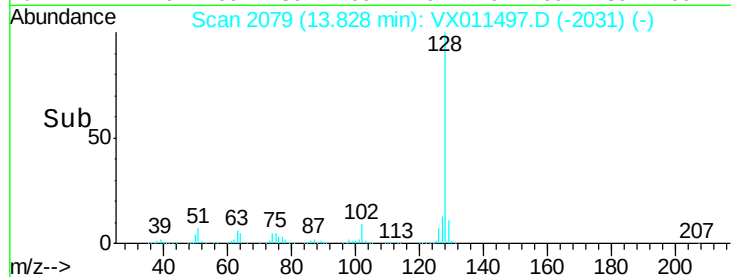
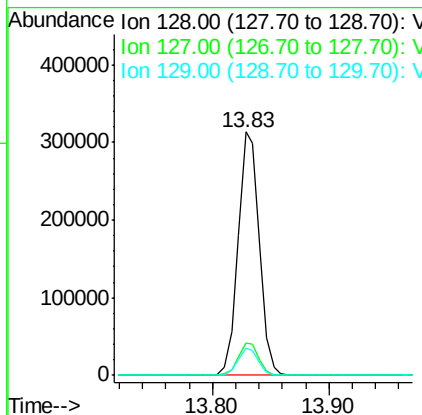
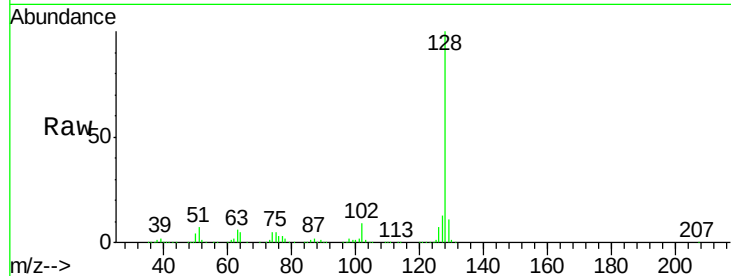
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	396549
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:18:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.759 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011497.D

Acq: 12 Aug 2019 20:33

Tgt Ion:	180	Resp:	126560
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.3
145	31.5	15.2	45.6

