

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100319\
 Data File : VX012798.D
 Acq On : 03 Oct 2019 20:53
 Operator : JC/SP
 Sample : K5157-03MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 9:19:19 AM

Quant Time: Oct 04 07:49:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	158859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	110831	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
35) Dibromofluoromethane	5.49	113	86673	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	8.71	98	317503	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.14	95	124122	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	76952	43.059	ug/l	97
3) Chloromethane	1.32	50	87971	42.868	ug/l	100
4) Vinyl Chloride	1.40	62	97902	47.997	ug/l	96
5) Bromomethane	1.63	94	31096	38.774	ug/l	98
6) Chloroethane	1.71	64	61968	45.065	ug/l	96
7) Trichlorofluoromethane	1.92	101	137702	48.083	ug/l	99
8) Diethyl Ether	2.18	74	55739	47.493	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	86611	49.654	ug/l	97
10) Methyl Iodide	2.50	142	86884	47.551	ug/l	94
11) Tert butyl alcohol	3.03	59	133848	231.621	ug/l	99
12) 1,1-Dichloroethene	2.36	96	85109	49.829	ug/l	97
13) Acrolein	2.28	56	78669	244.610	ug/l	99
14) Allyl chloride	2.72	41	157006	46.332	ug/l	96
15) Acrylonitrile	3.13	53	297164	253.469	ug/l	98
16) Acetone	2.44	43	254442	207.655	ug/l	96
17) Carbon Disulfide	2.56	76	212979	44.479	ug/l	99
18) Methyl Acetate	2.76	43	136653	47.364	ug/l	95
19) Methyl tert-butyl Ether	3.19	73	325277	50.313	ug/l	99
20) Methylene Chloride	2.84	84	103023	49.711	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	98760	52.192	ug/l	97
22) Diisopropyl ether	3.84	45	319186	48.746	ug/l	98
23) Vinyl Acetate	3.80	43	1333423	232.215	ug/l	97
24) 1,1-Dichloroethane	3.69	63	180290	50.654	ug/l	98
25) 2-Butanone	4.66	43	408154	232.314	ug/l	94
26) 2,2-Dichloropropane	4.57	77	120484	38.060	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	113261	51.585	ug/l	91
28) Bromochloromethane	5.01	49	63540	49.165	ug/l	95
29) Tetrahydrofuran	5.11	42	263168	245.758	ug/l	95
30) Chloroform	5.20	83	181961	49.970	ug/l	99
31) Cyclohexane	5.57	56	153284	47.604	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	158632	49.153	ug/l	99
36) 1,1-Dichloropropene	5.79	75	129326	47.940	ug/l	98
37) Ethyl Acetate	4.82	43	147178	46.666	ug/l	97
38) Carbon Tetrachloride	5.78	117	132949	48.515	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	149829	46.135	ug/l	99
40) Benzene	6.14	78	399422	50.322	ug/l	99
41) Methacrylonitrile	5.03	41	86626	48.954	ug/l	95
42) 1,2-Dichloroethane	6.18	62	148339	49.215	ug/l	98
43) Isopropyl Acetate	6.43	43	240816	45.659	ug/l	96
44) Trichloroethene	7.21	130	102267	50.399	ug/l	98
45) 1,2-Dichloropropane	7.51	63	104083	51.218	ug/l	99
46) Dibromomethane	7.65	93	70388	50.873	ug/l	98
47) Bromodichloromethane	7.89	83	140207	50.703	ug/l	96
48) Methyl methacrylate	7.76	41	124184	49.104	ug/l	92
49) 1,4-Dioxane	7.73	88	53860	938.952	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	806444	247.701	ug/l	95
52) Toluene	8.78	92	252100	50.534	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	145959	47.706	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	160165	47.946	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	102530	51.695	ug/l	99
56) Ethyl methacrylate	9.17	69	167808	50.362	ug/l	92
57) 1,3-Dichloropropane	9.37	76	178574	51.444	ug/l	99
59) 2-Hexanone	9.49	43	621910	249.557	ug/l	95
60) Dibromochloromethane	9.58	129	105487	52.540	ug/l	99
61) 1,2-Dibromoethane	9.67	107	108196	52.417	ug/l	99
64) Tetrachloroethene	9.33	164	84607	48.600	ug/l	96
65) Chlorobenzene	10.14	112	263833	50.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	99081	52.009	ug/l	98
67) Ethyl Benzene	10.25	91	480969	50.434	ug/l	99
68) m/p-Xylenes	10.35	106	361959	101.321	ug/l	98
69) o-Xylene	10.70	106	177890	51.462	ug/l	98
70) Styrene	10.71	104	304910	52.617	ug/l	98
71) Bromoform	10.85	173	70362	53.043	ug/l	97
73) Isopropylbenzene	11.01	105	472131	49.014	ug/l	99
74) N-amyl acetate	10.89	43	210890	45.891	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	166616	52.228	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	152225m	48.657	ug/l	
77) Bromobenzene	11.25	156	109188	50.083	ug/l	97
78) n-propylbenzene	11.35	91	519934	47.944	ug/l	100
79) 2-Chlorotoluene	11.42	91	320344	47.352	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	400987	49.641	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	46070	42.201	ug/l	97
82) 4-Chlorotoluene	11.51	91	371615	48.187	ug/l	99
83) tert-Butylbenzene	11.76	119	385209	49.436	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	402918	49.446	ug/l	98
85) sec-Butylbenzene	11.94	105	444495	49.045	ug/l	99
86) p-Isopropyltoluene	12.06	119	410556	50.204	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	195793	49.904	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	195429	49.294	ug/l	99
89) n-Butylbenzene	12.38	91	340377	47.234	ug/l	100
90) Hexachloroethane	12.59	117	71158	48.807	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	203044	51.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40006	50.132	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	121215	50.603	ug/l	98

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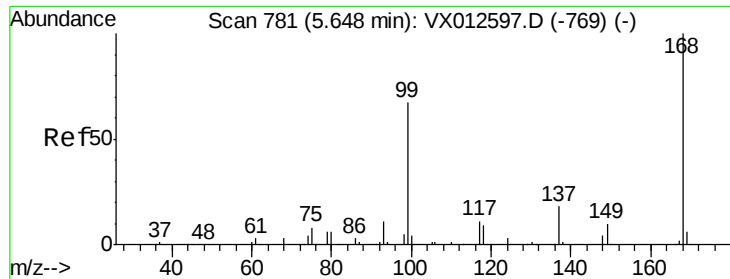
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	53285	51.707	ug/l	100
95) Naphthalene	13.83	128	444673	51.308	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	123149	51.321	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion:168 Resp: 158859

Ion Ratio Lower Upper

168 100

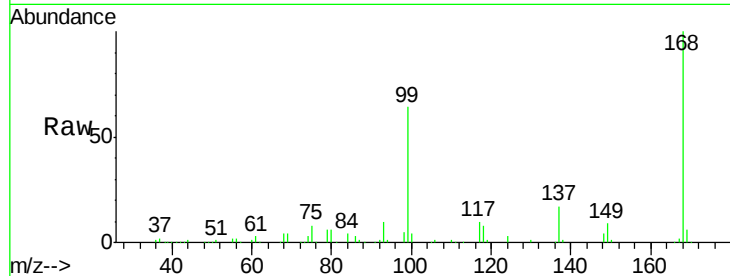
99 63.3 51.4 77.2

Manual Integrations

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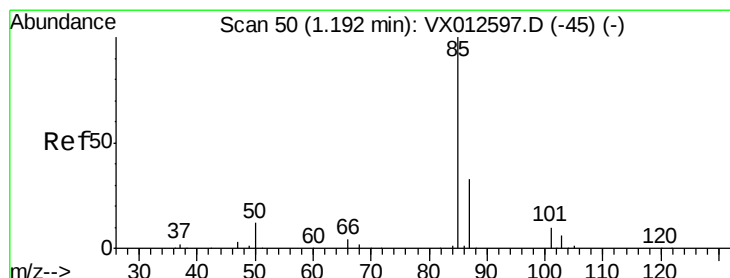
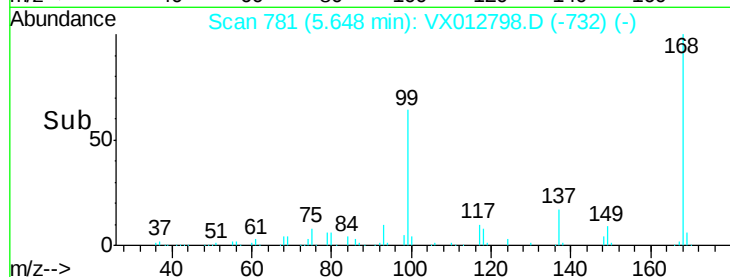
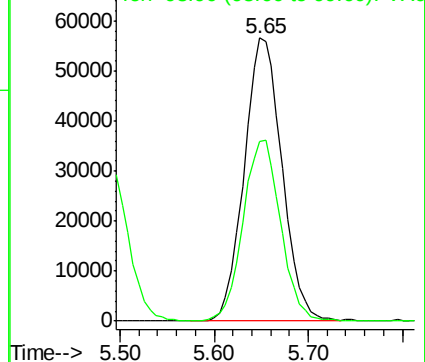
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 43.059 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012798.D

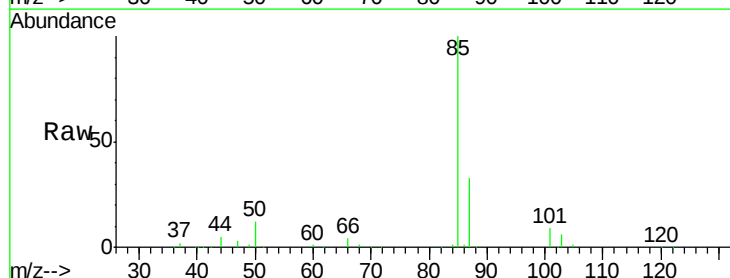
Acq: 03 Oct 2019 20:53

Tgt Ion: 85 Resp: 76952

Ion Ratio Lower Upper

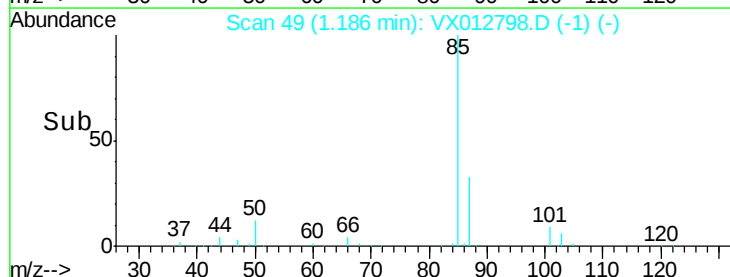
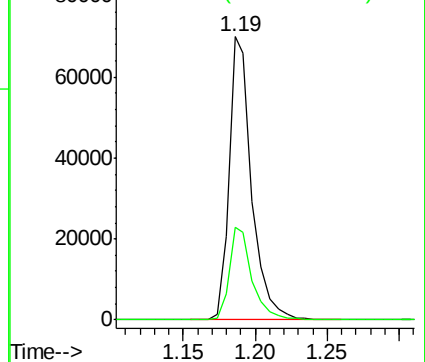
85 100

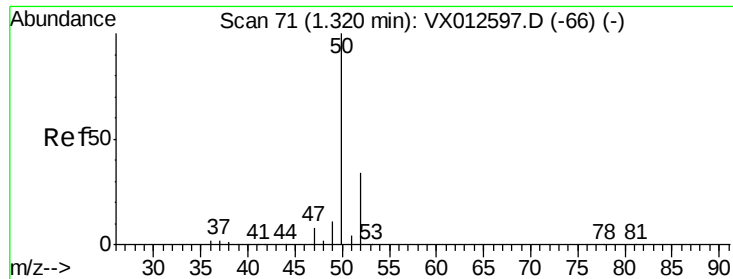
87 32.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.868 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion: 50 Resp: 87971

Ion Ratio Lower Upper

50 100

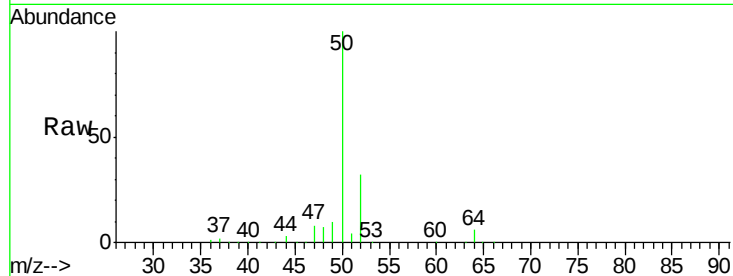
52 32.2 25.7 38.5

Manual Integrations

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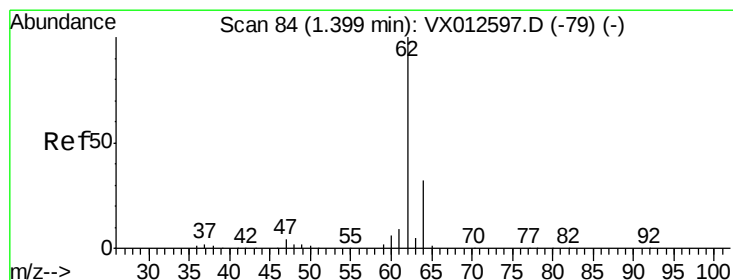
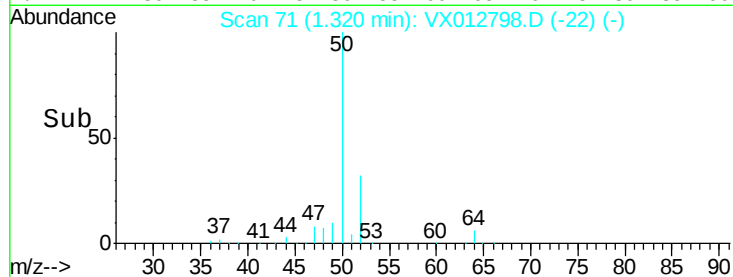
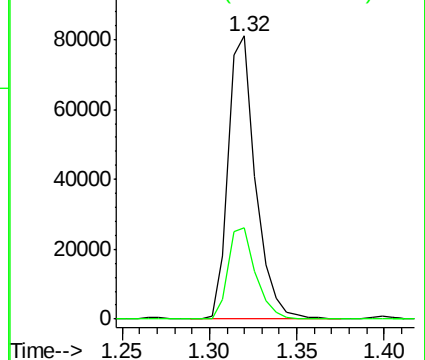
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.997 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012798.D

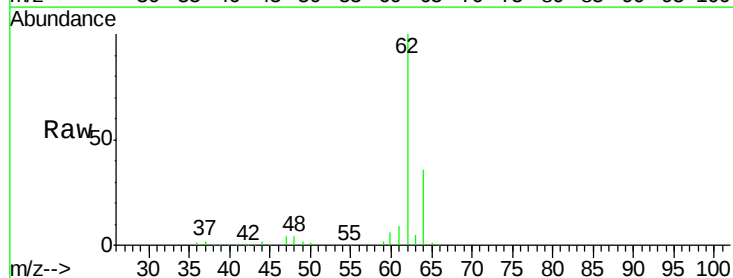
Acq: 03 Oct 2019 20:53

Tgt Ion: 62 Resp: 97902

Ion Ratio Lower Upper

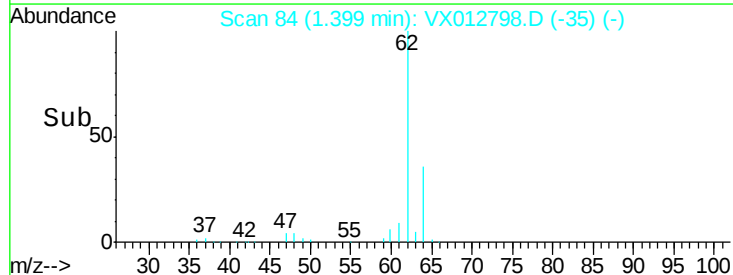
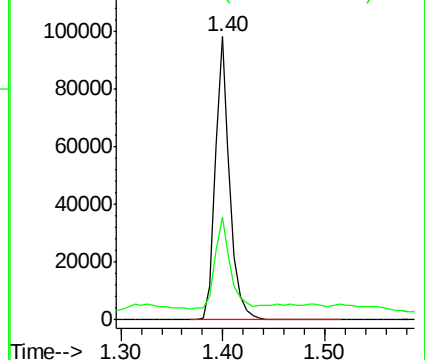
62 100

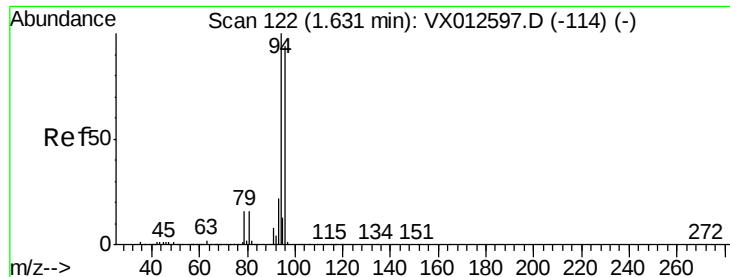
64 32.3 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 38.774 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion: 94 Resp: 31096

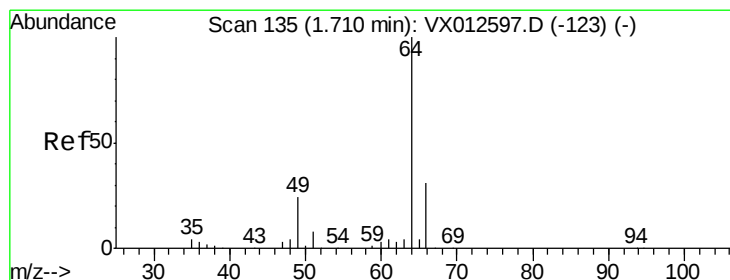
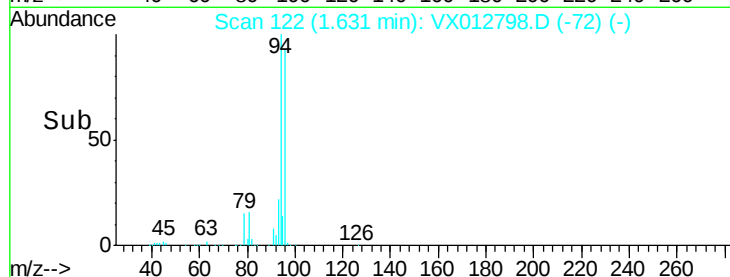
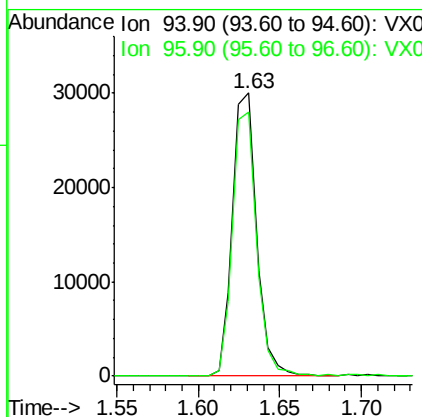
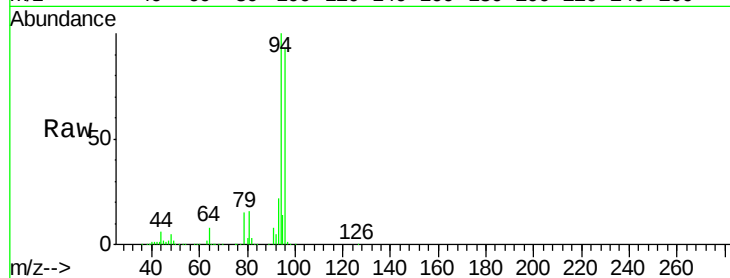
Ion Ratio Lower Upper

94 100

96 93.3 72.8 109.2

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#6

Chloroethane

Concen: 45.065 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012798.D

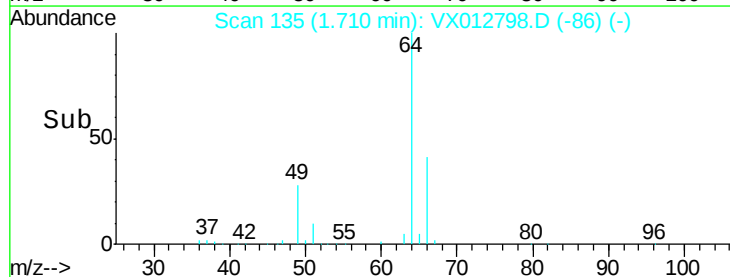
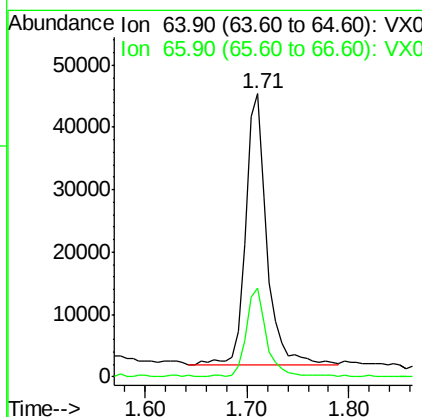
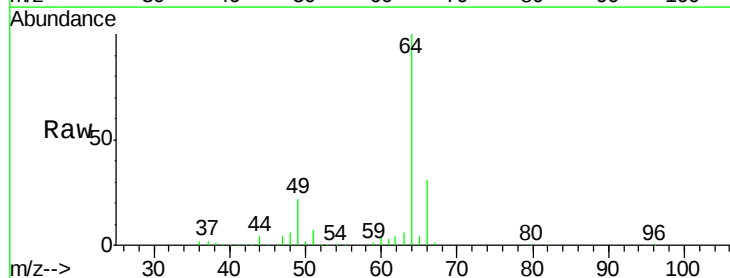
Acq: 03 Oct 2019 20:53

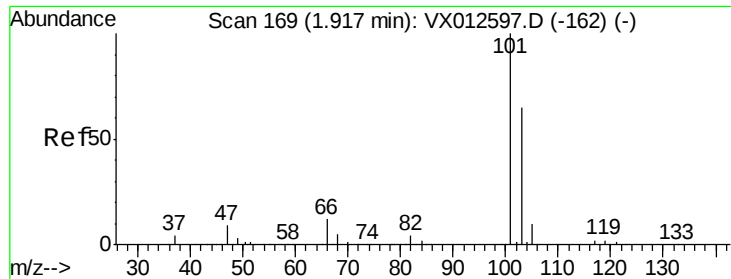
Tgt Ion: 64 Resp: 61968

Ion Ratio Lower Upper

64 100

66 32.3 24.0 36.0





#7

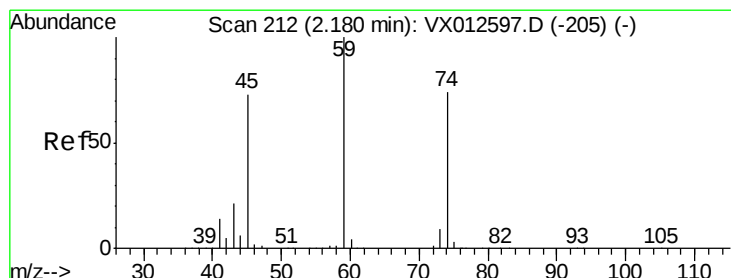
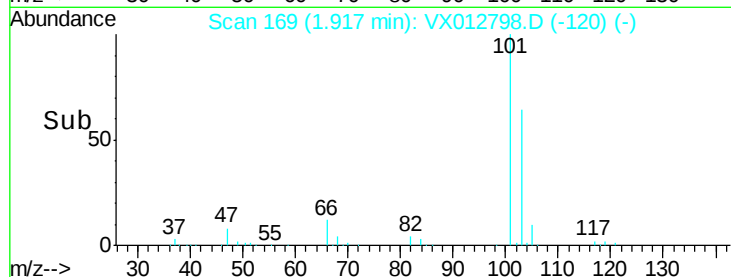
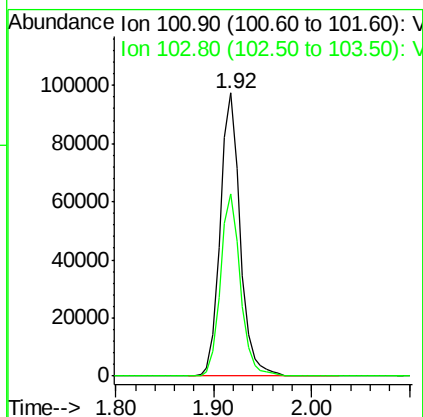
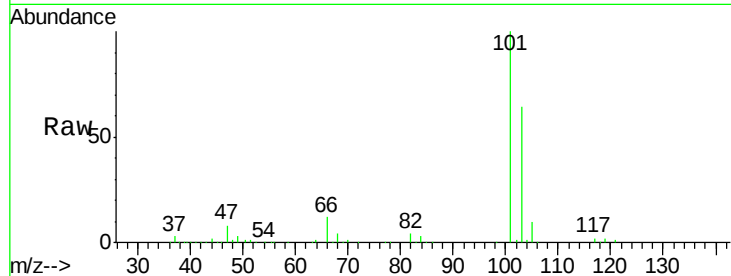
Trichlorofluoromethane
Concen: 48.083 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.4

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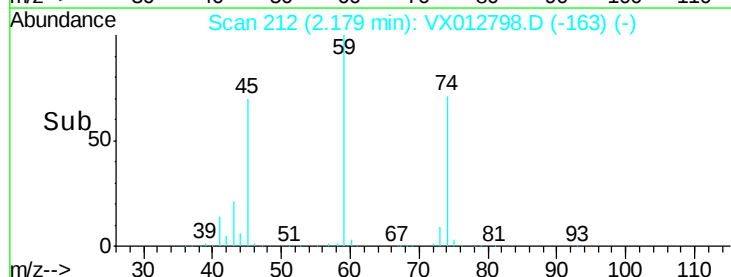
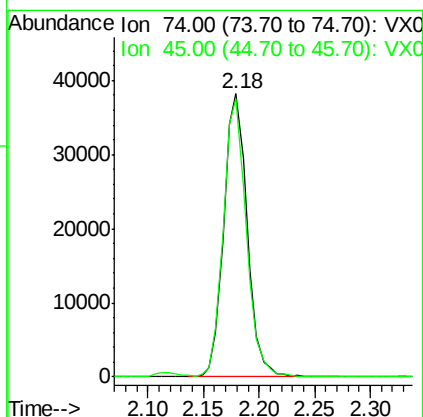
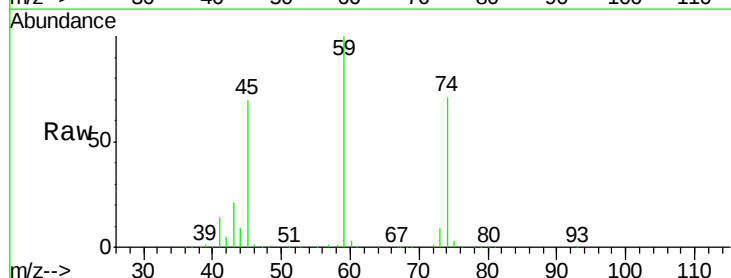
MMDadoda
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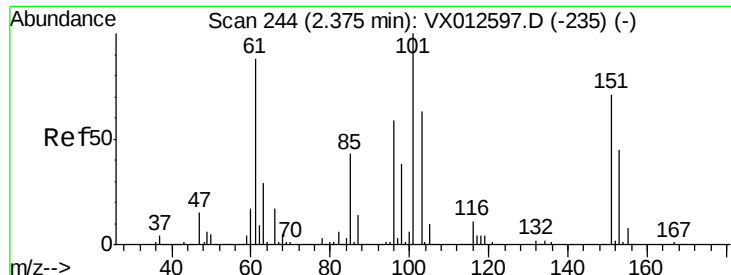


#8

Diethyl Ether
Concen: 47.493 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.654 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

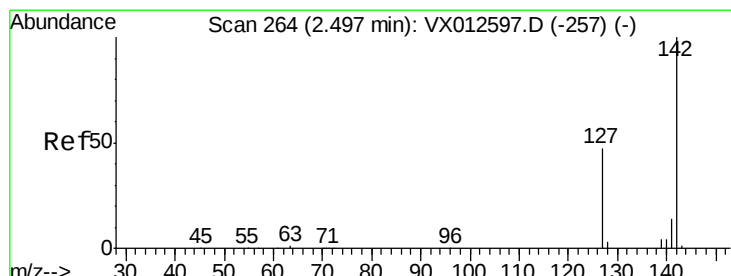
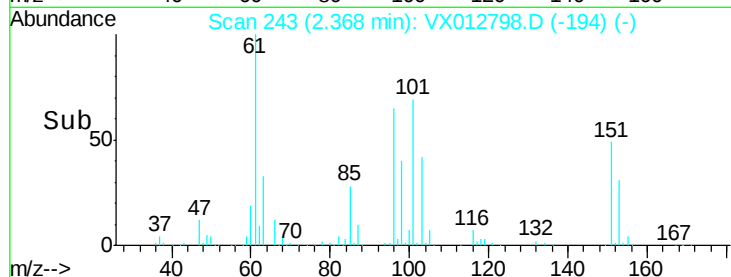
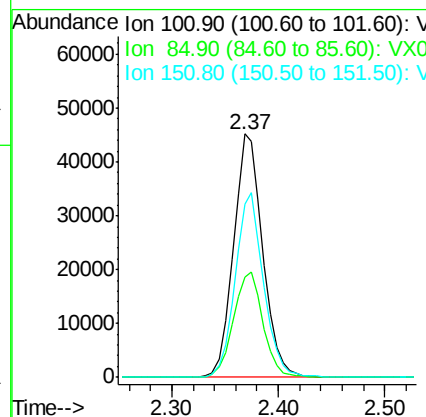
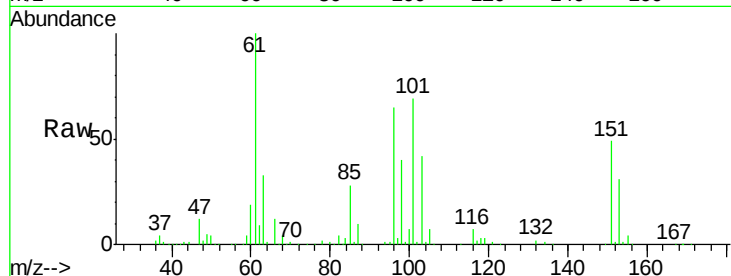
ClientSampleId :

S49-0539MS

Tot Ion:	101	Resp:	86611
Ion Ratio	Lower	Upper	
101	100		
85	43.8	37.3	55.9
151	73.7	61.0	91.4

Manual Integrations
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#10

Methyl Iodide

Concen: 47.551 ug/l

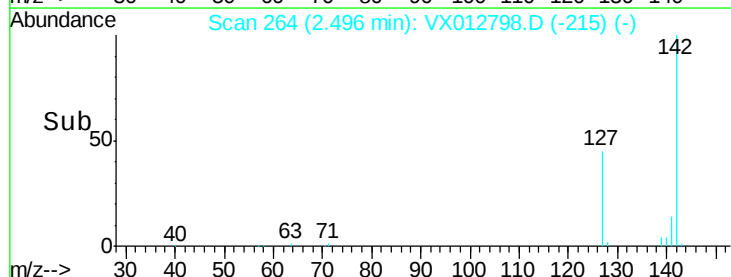
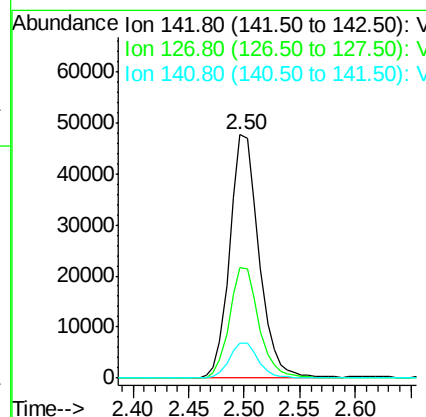
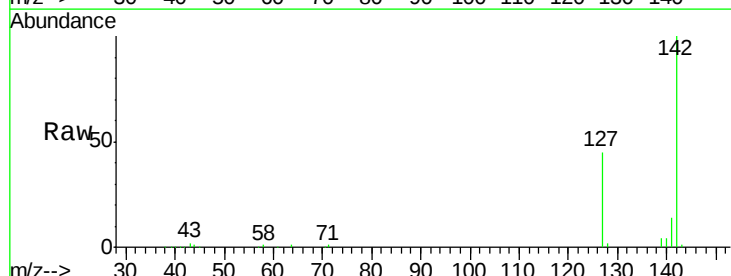
RT: 2.50 min Scan# 264

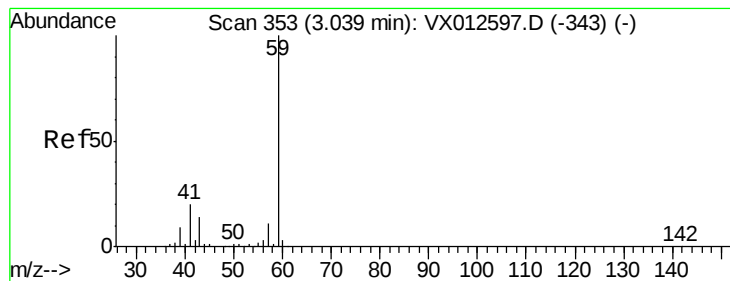
Delta R.T. 0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Tgt Ion:	142	Resp:	86884
Ion Ratio	Lower	Upper	
142	100		
127	45.8	40.8	61.2
141	14.4	12.1	18.1





#11

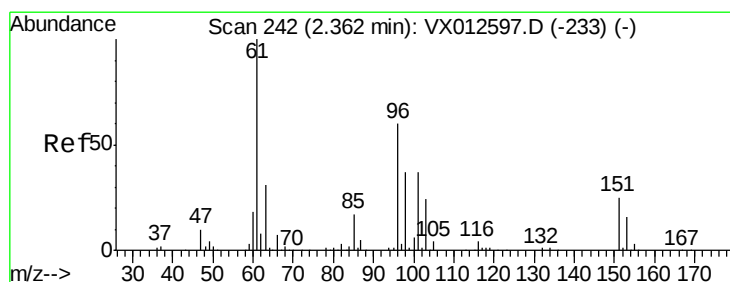
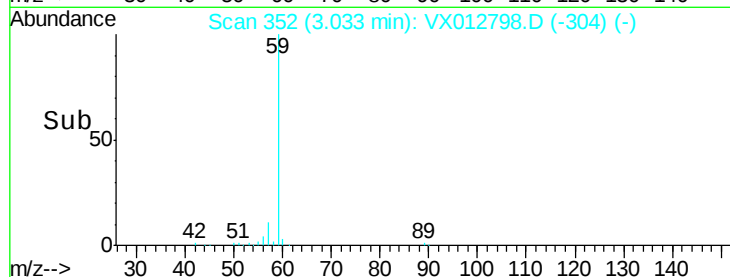
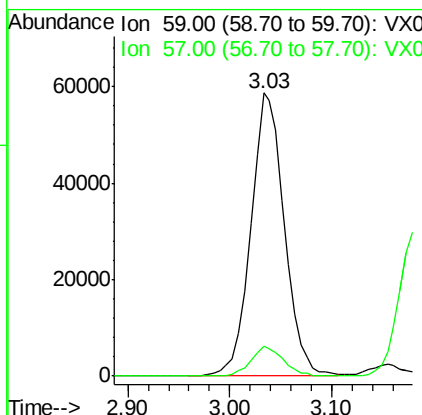
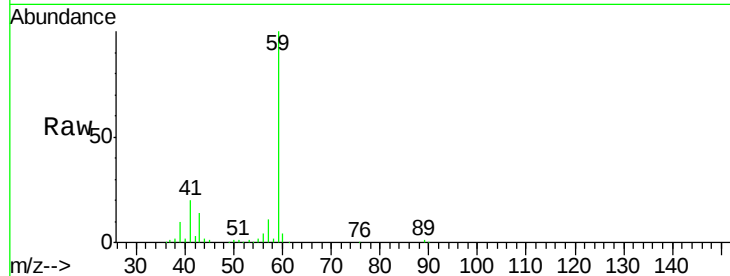
Tert butyl alcohol
Concen: 231.621 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	59	Resp	133848
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

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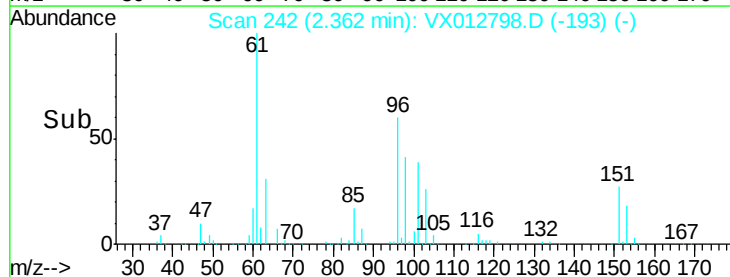
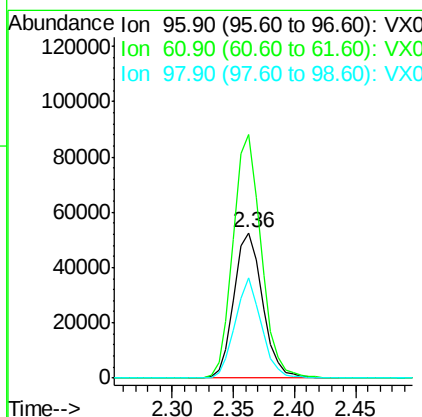
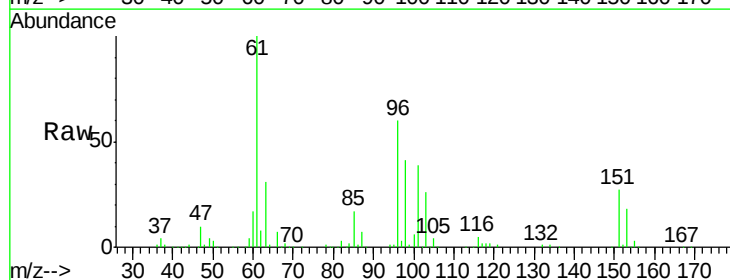
MMDadoda
10/4/2019 9:19:19 AM

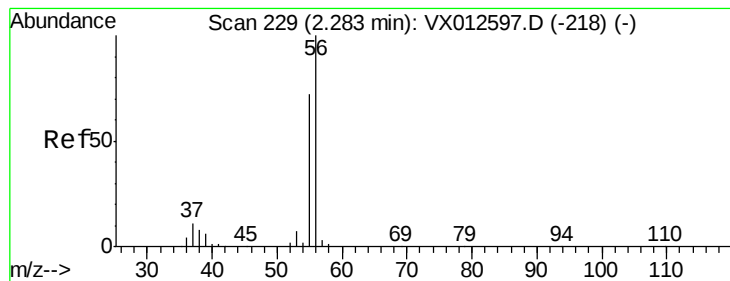


#12

1,1-Dichloroethene
Concen: 49.829 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	96	Resp	85109
Ion Ratio	100	Lower	Upper
61	167.8	133.8	200.6
98	68.9	49.9	74.9





#13

Acrolein

Concen: 244.610 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion: 56 Resp: 78669

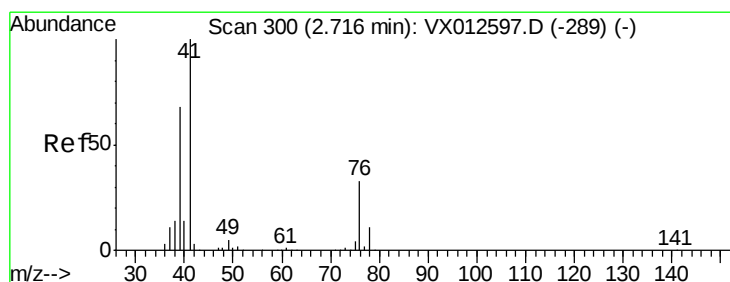
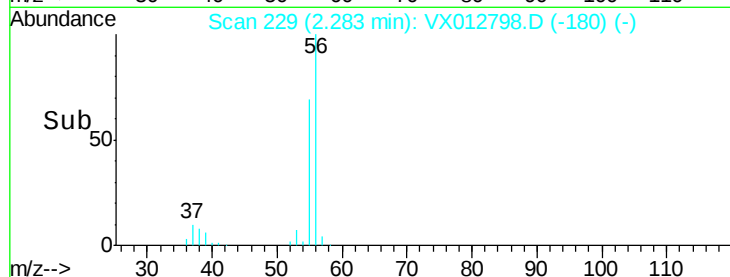
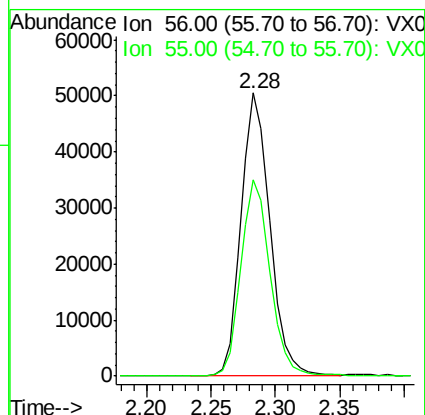
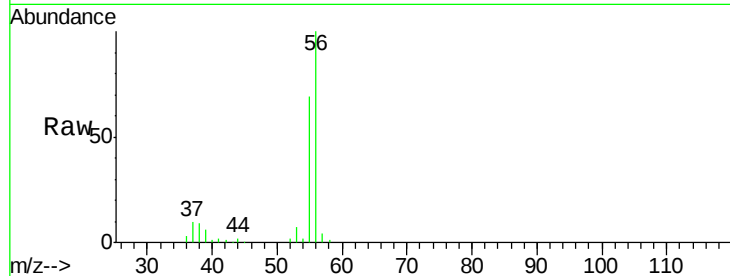
Ion Ratio Lower Upper

56 100

55 70.5 55.8 83.8

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#14

Allyl chloride

Concen: 46.332 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

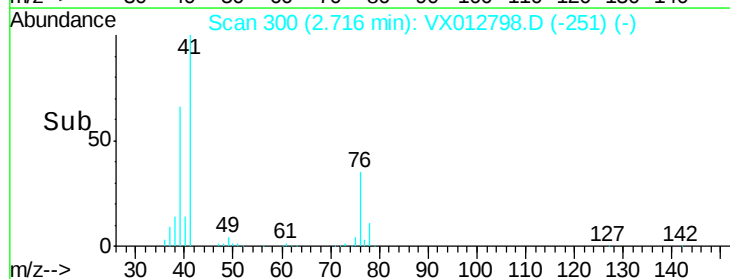
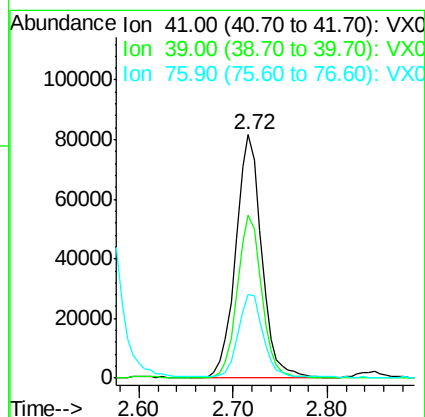
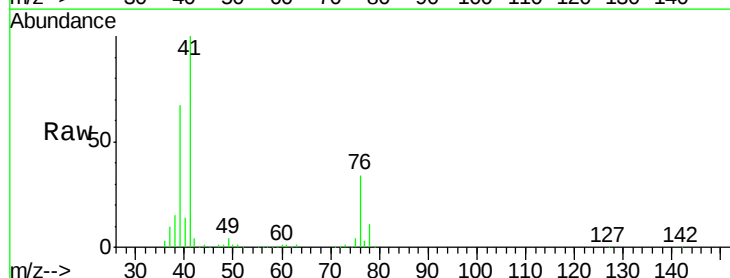
Tgt Ion: 41 Resp: 157006

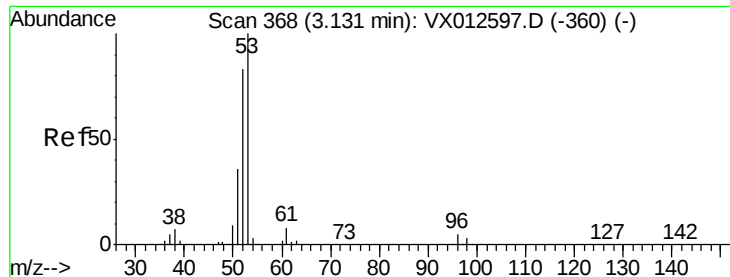
Ion Ratio Lower Upper

41 100

39 63.4 51.3 76.9

76 33.4 22.6 33.8





#15

Acrylonitrile

Concen: 253.469 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

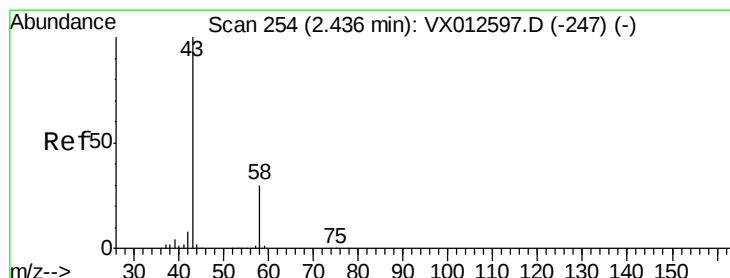
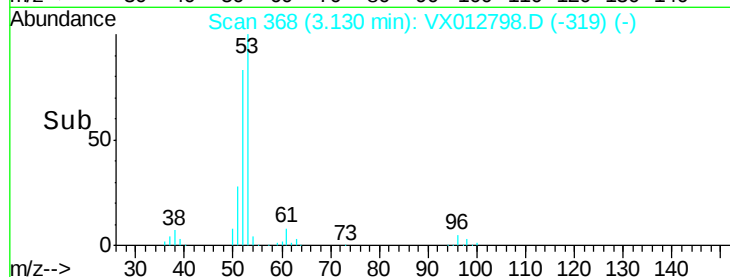
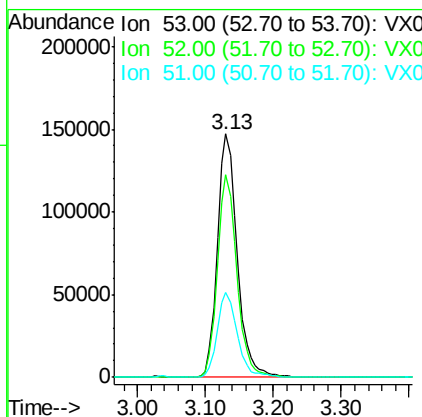
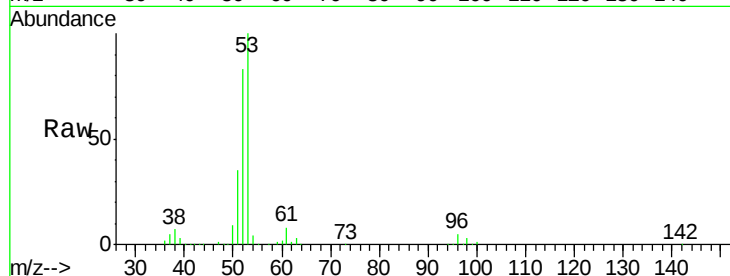
ClientSampleId :

S49-0539MS

Tot Ion:	53	Resp:	297164
Ion Ratio	Lower	Upper	
53	100		
52	82.3	67.0	100.4
51	35.7	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 207.655 ug/l

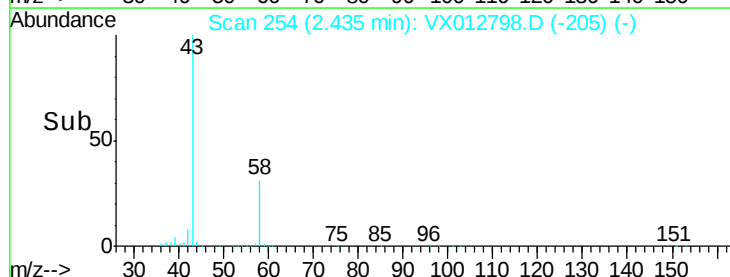
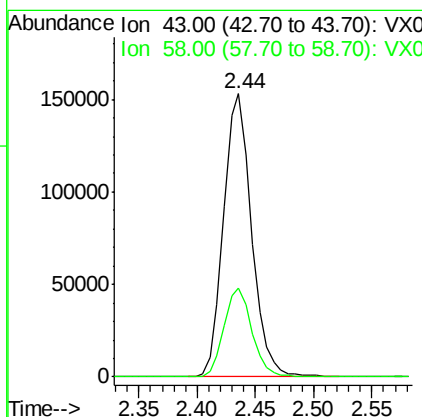
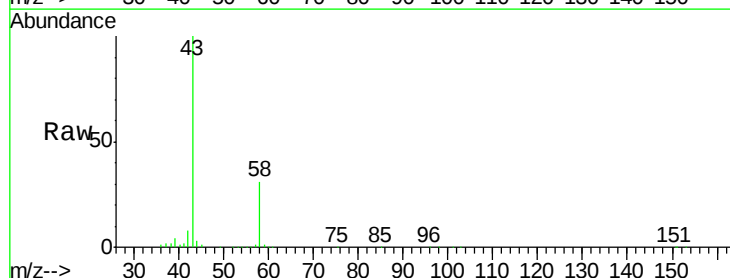
RT: 2.44 min Scan# 254

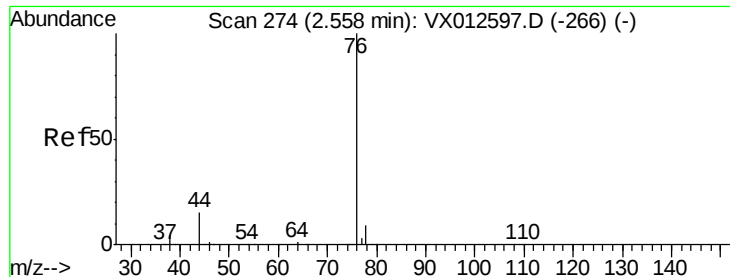
Delta R.T. 0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Tgt Ion:	43	Resp:	254442
Ion Ratio	Lower	Upper	
43	100		
58	31.4	23.3	34.9





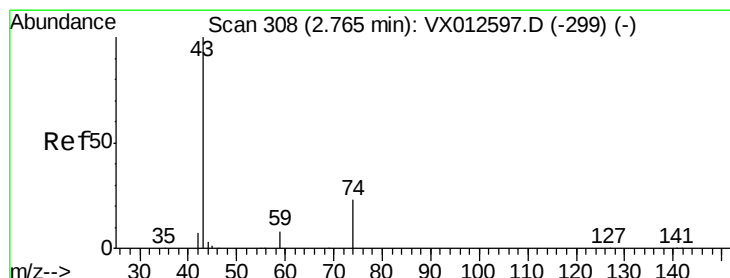
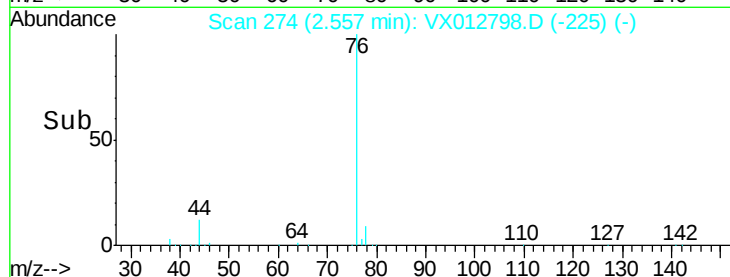
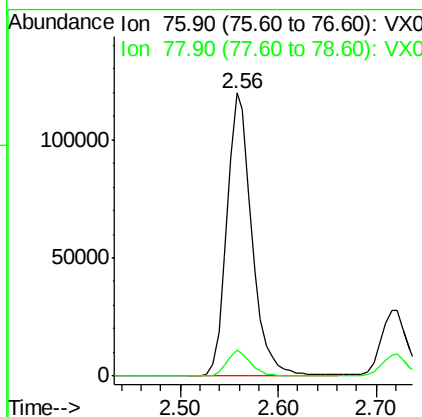
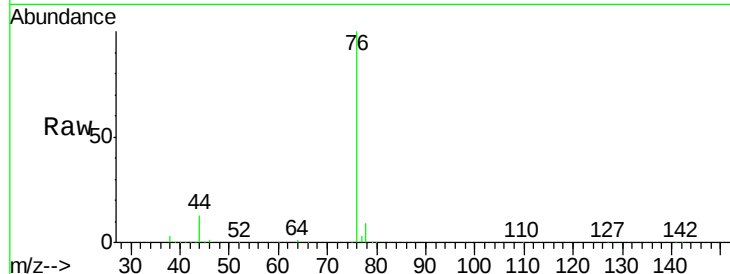
#17
Carbon Disulfide
Concen: 44.479 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampled :
S49-0539MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

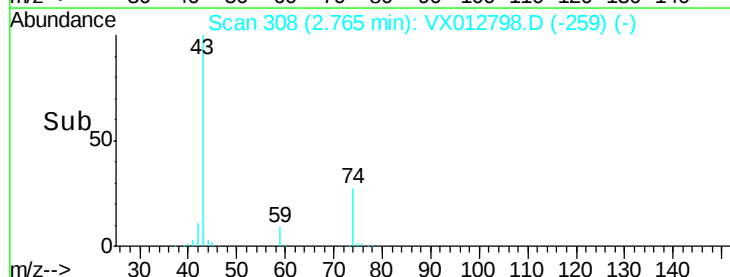
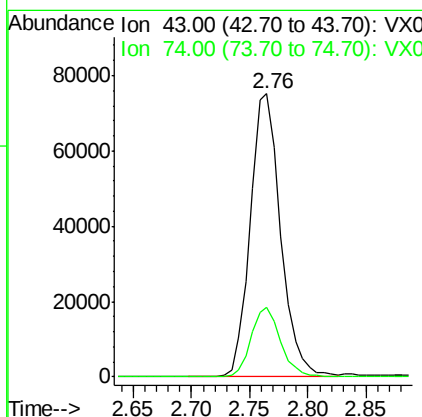
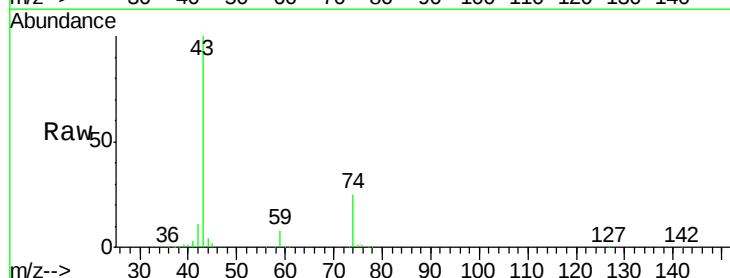
Manual Integrations
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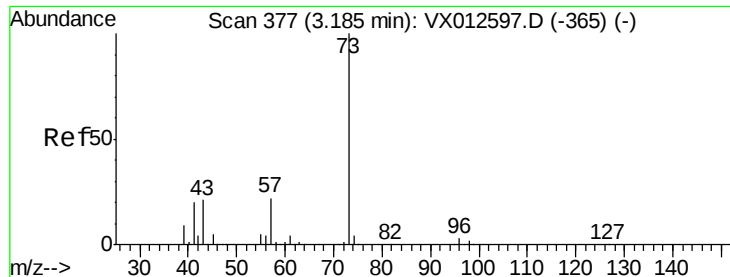
MMDadoda
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#18
Methyl Acetate
Concen: 47.364 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	17.7	26.5





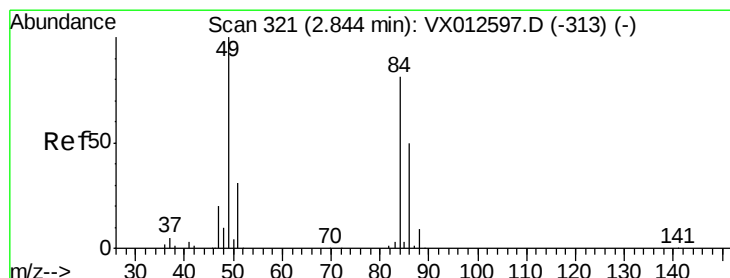
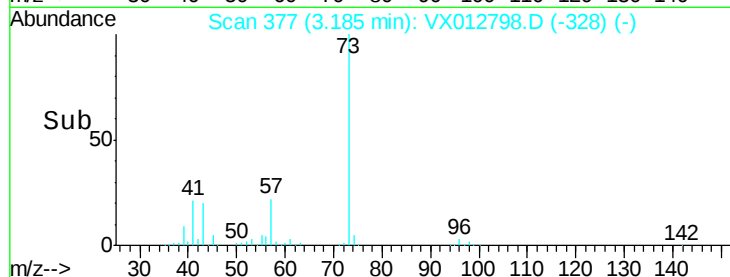
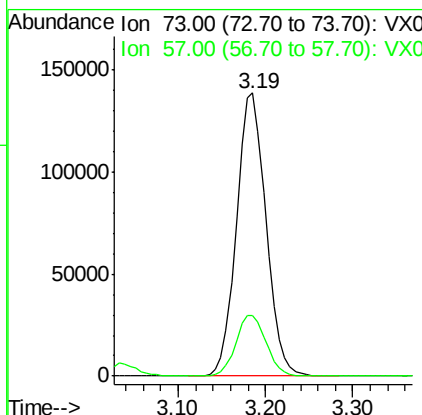
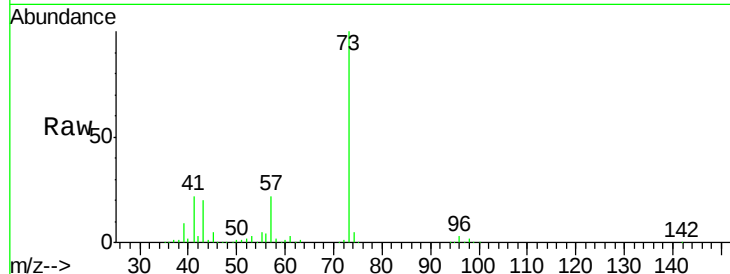
#19
Methyl tert-butyl Ether
Concen: 50.313 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.8	25.2

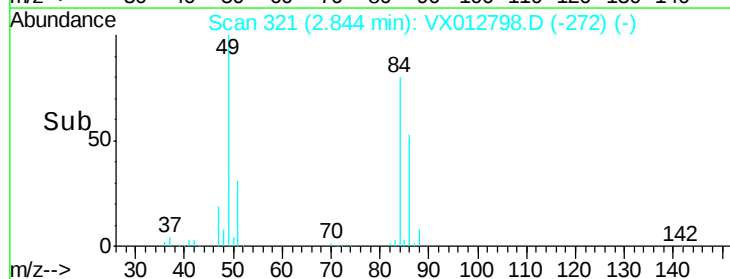
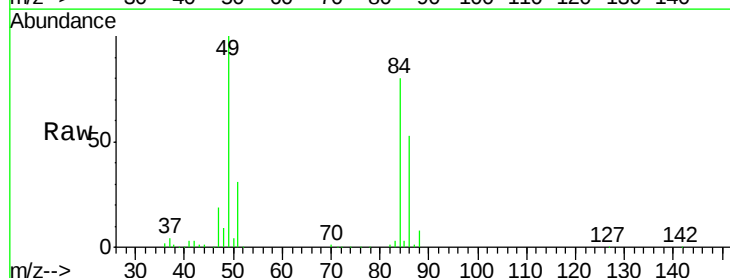
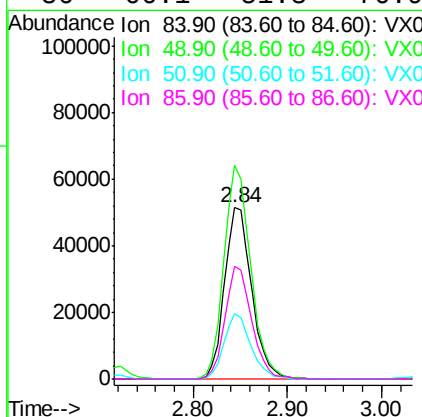
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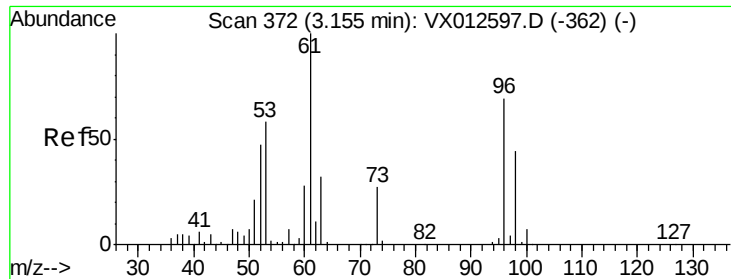
MMDadoda
10/4/2019 9:19:19 AM



#20
Methylene Chloride
Concen: 49.711 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.7	106.8	160.2
51	38.1	32.3	48.5
86	66.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 52.192 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion: 96 Resp: 98760

Ion Ratio Lower Upper

96 100

61 138.1 112.0 168.0

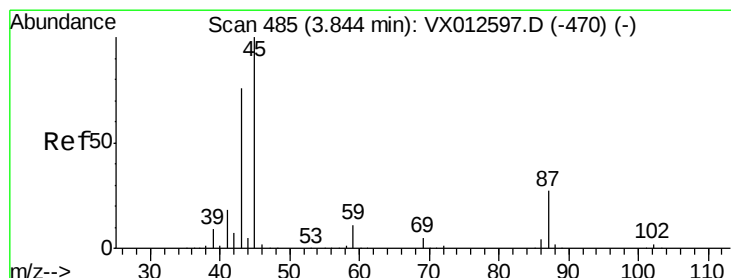
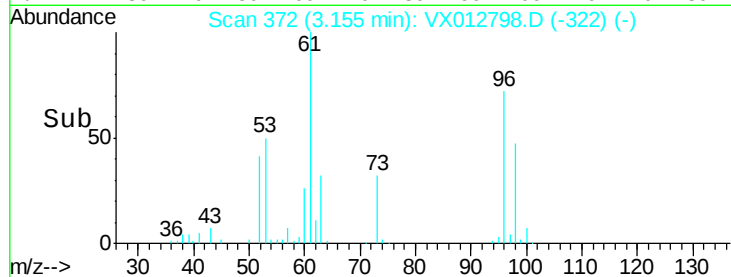
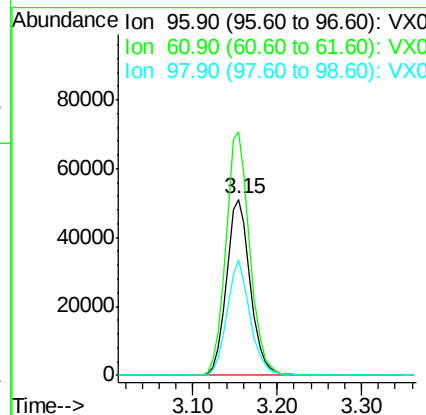
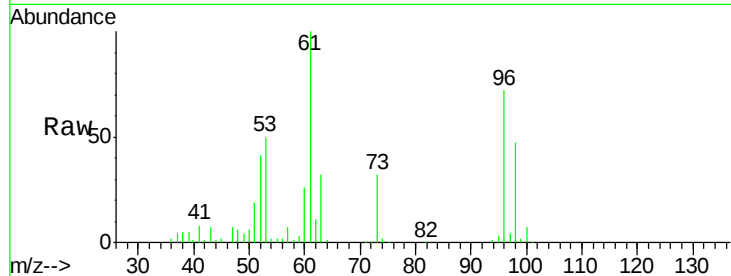
98 65.6 47.8 71.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.746 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Tgt Ion: 45 Resp: 319186

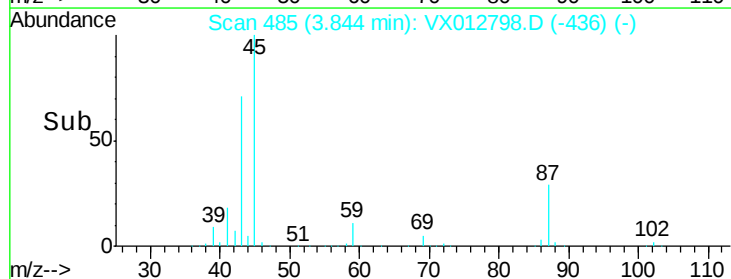
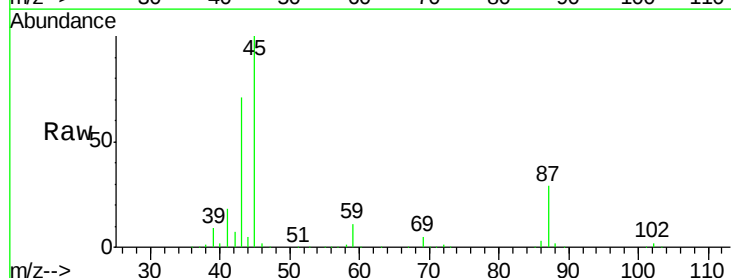
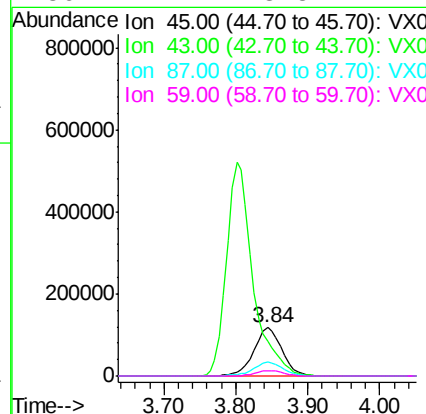
Ion Ratio Lower Upper

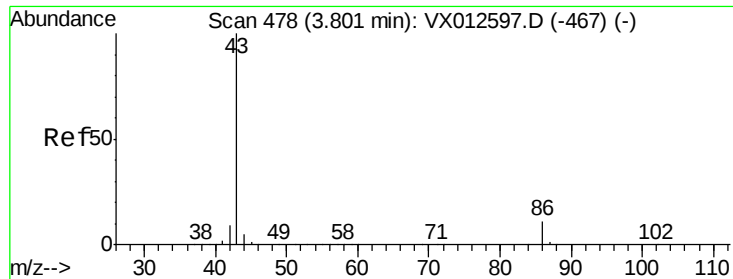
45 100

43 71.0 57.8 86.8

87 28.7 21.3 31.9

59 11.2 8.5 12.7





#23

Vinyl Acetate

Concen: 232.215 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion: 43 Resp: 1333423

Ion Ratio Lower Upper

43 100

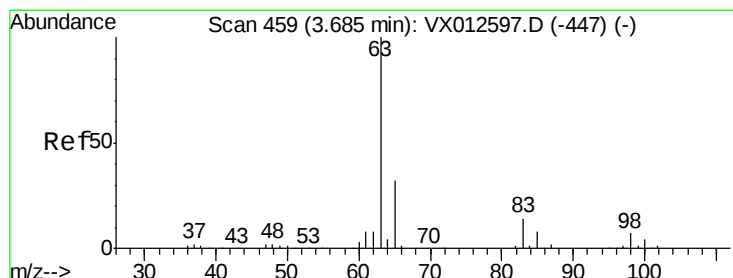
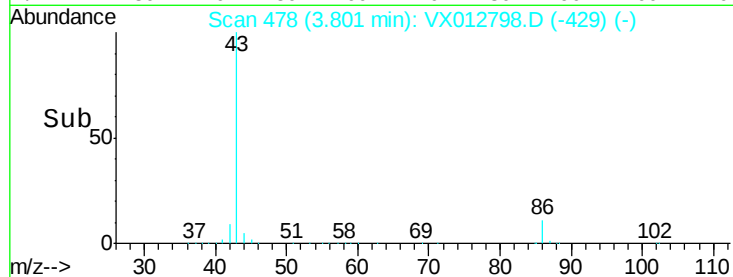
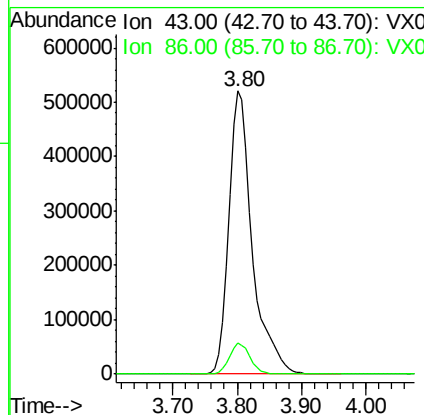
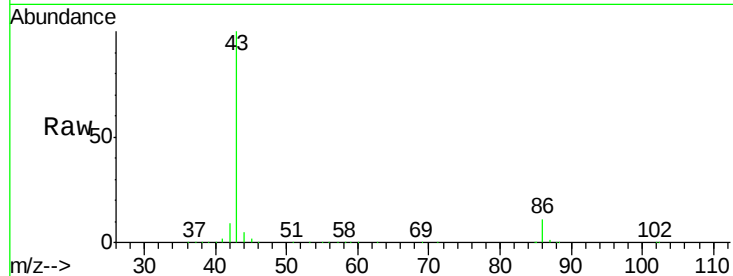
86 11.0 7.8 11.8

Manual Integrations

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MMDadoda

10/4/2019 9:19:19 AM



#24

1,1-Dichloroethane

Concen: 50.654 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

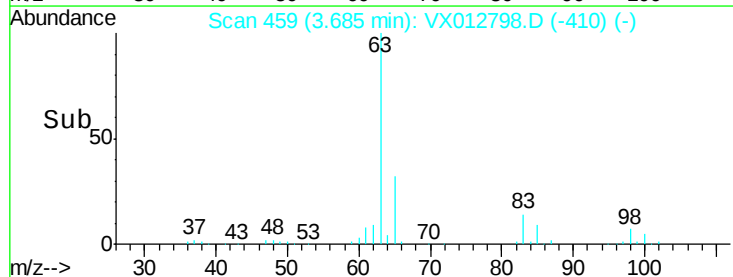
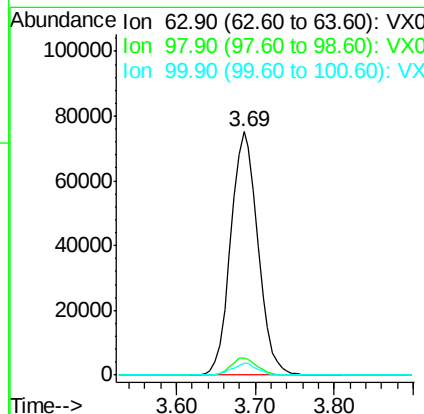
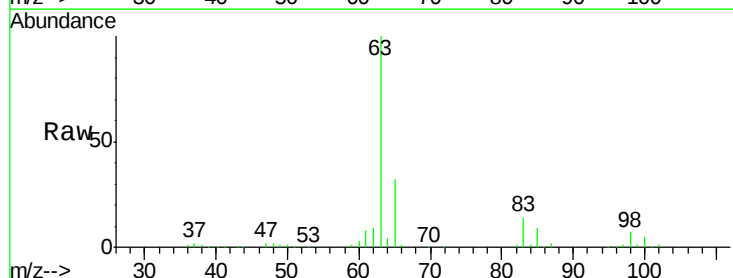
Tgt Ion: 63 Resp: 180290

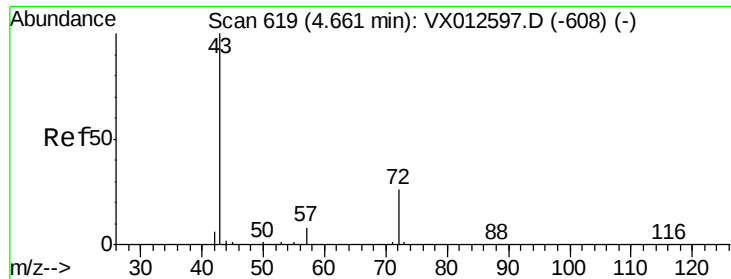
Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 232.314 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion: 43 Resp: 408154

Ion Ratio Lower Upper

43 100

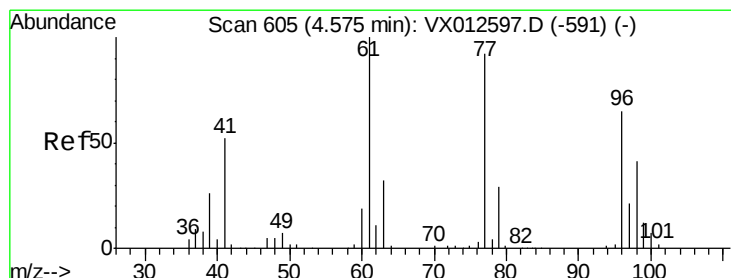
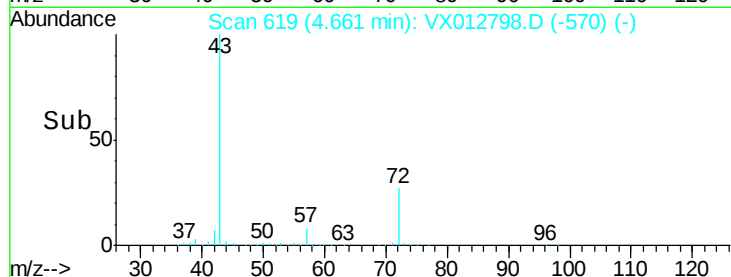
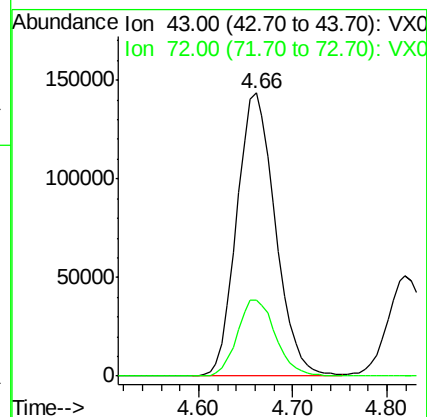
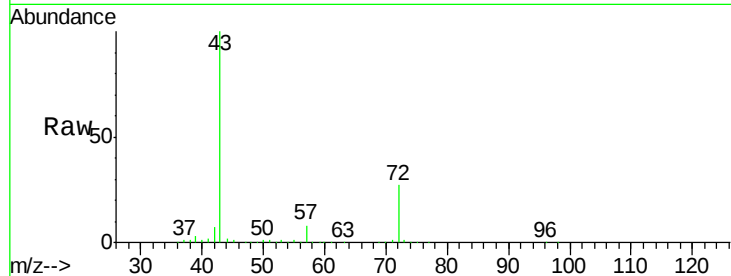
72 26.7 19.2 28.8

Manual Integrations

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10/4/2019 9:19:19 AM



#26

2,2-Dichloropropane

Concen: 38.060 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012798.D

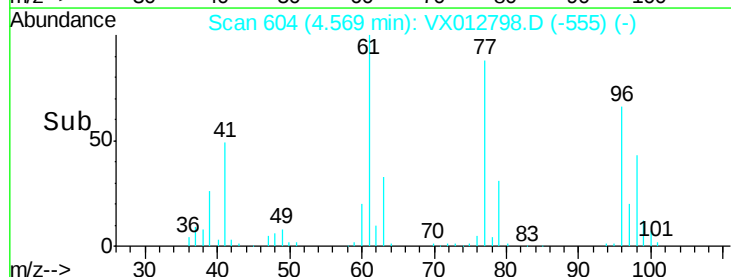
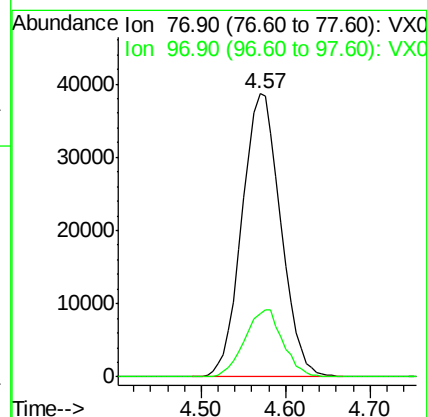
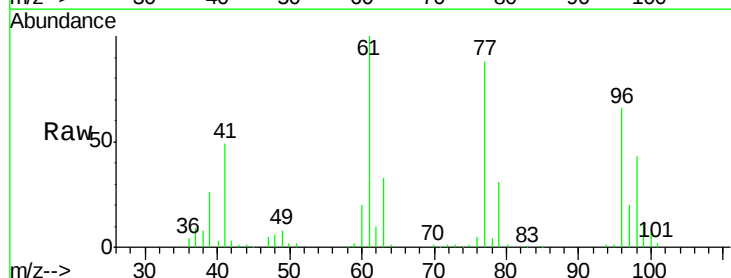
Acq: 03 Oct 2019 20:53

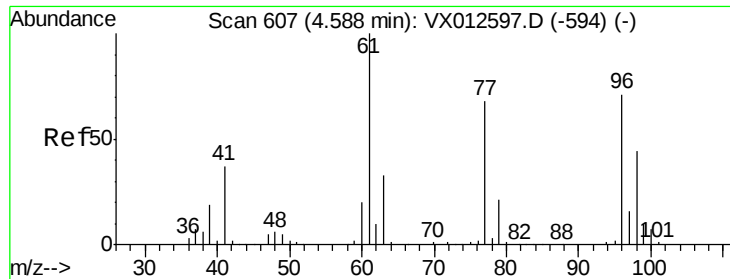
Tgt Ion: 77 Resp: 120484

Ion Ratio Lower Upper

77 100

97 23.3 10.5 31.6





#27

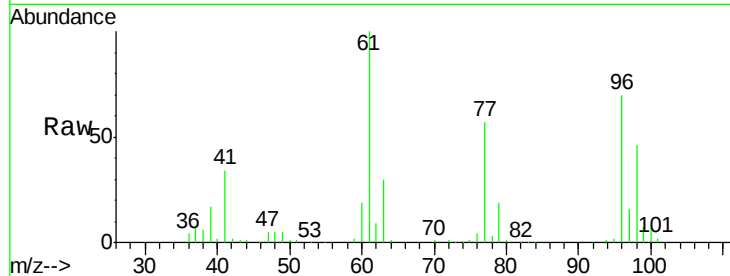
cis-1,2-Dichloroethene
Concen: 51.585 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	113261		
61	144.4	0.0	319.4	
98	66.0	0.0	130.6	

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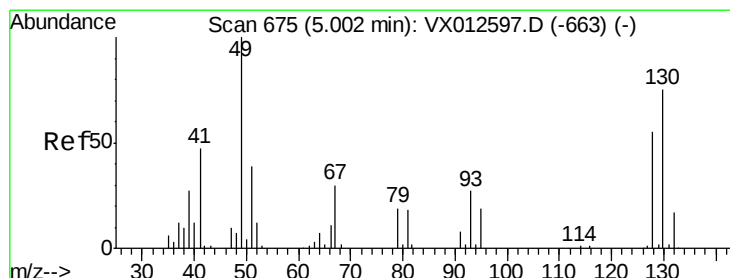
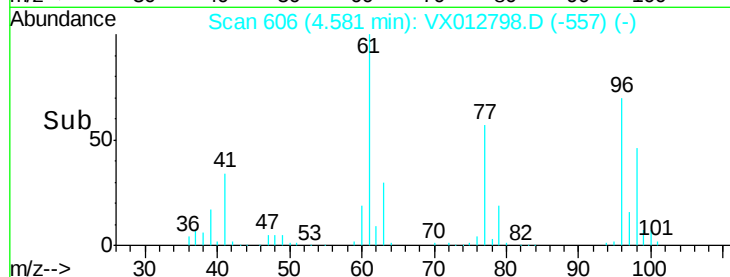
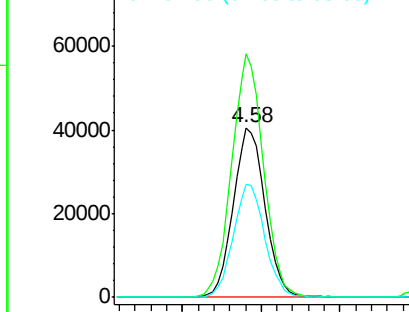


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

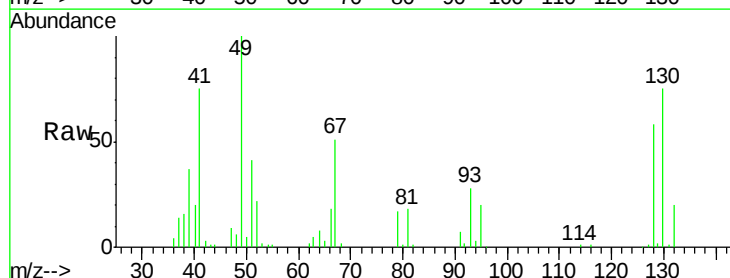
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 49.165 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	63540		
129	1.8	0.0	3.8	
130	76.9	58.2	87.4	

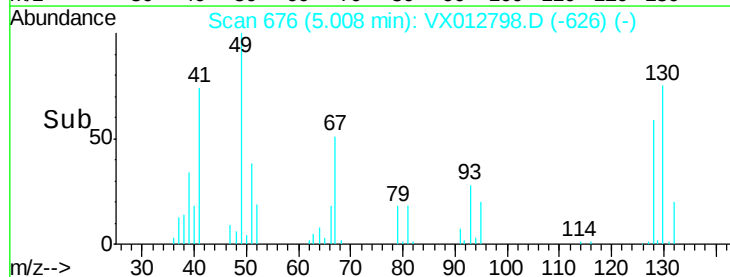
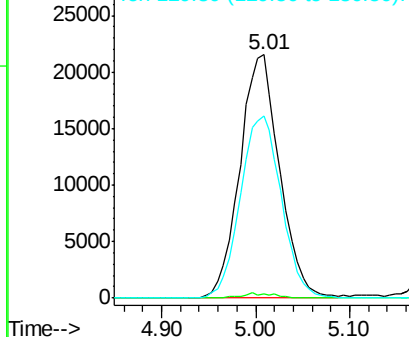


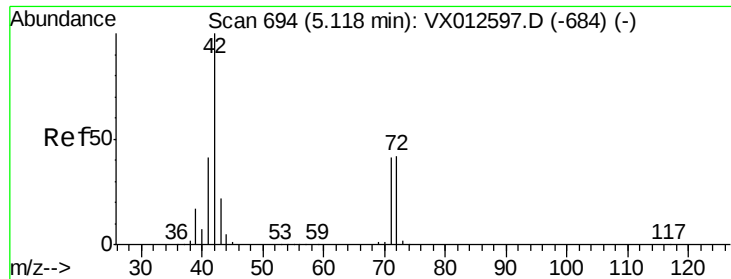
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





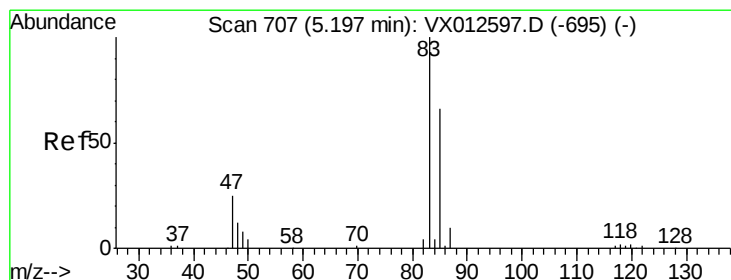
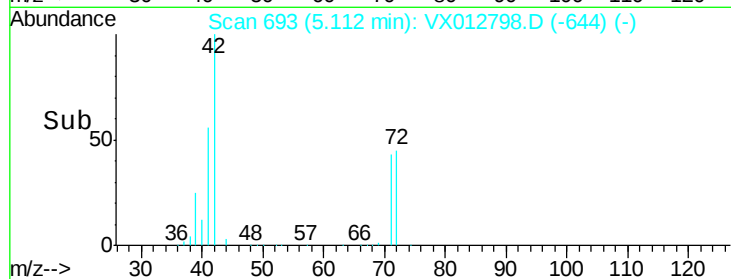
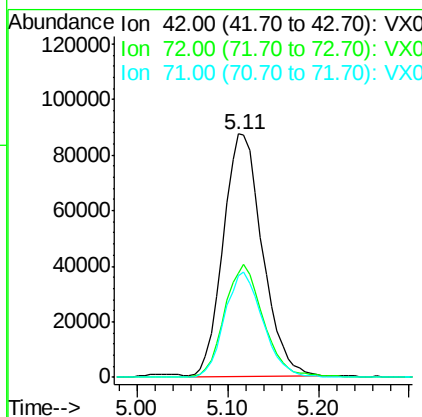
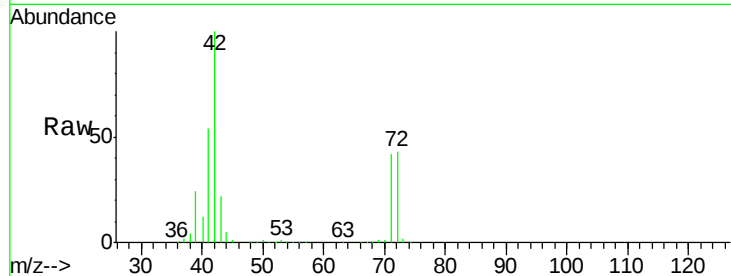
#29
Tetrahydrofuran
Concen: 245.758 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	34.0	51.0
71	42.7	31.5	47.3

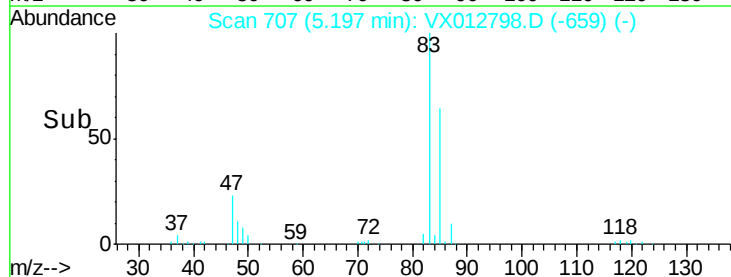
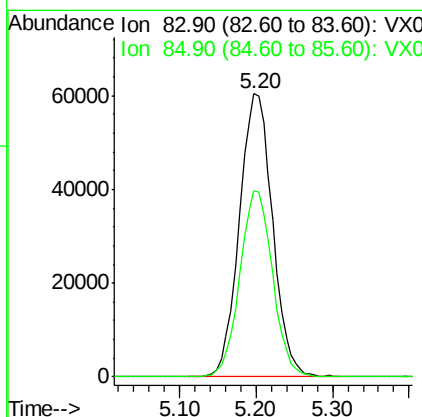
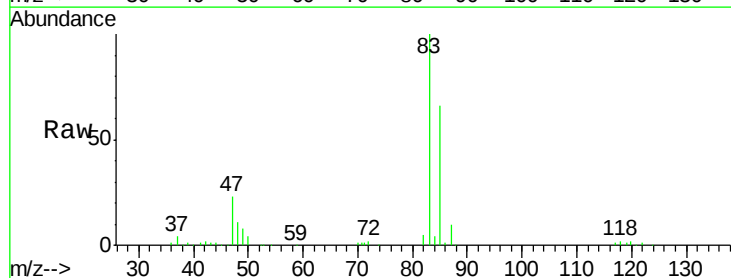
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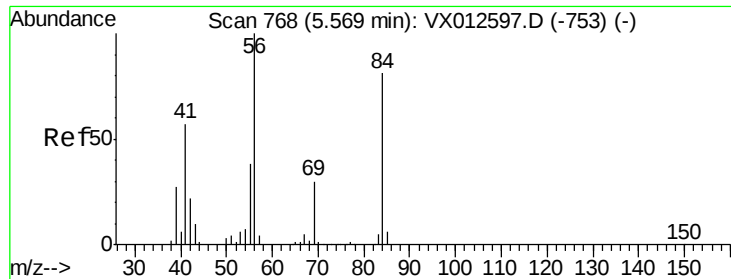
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#30
Chloroform
Concen: 49.970 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.0	79.4





#31

Cyclohexane

Concen: 47.604 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

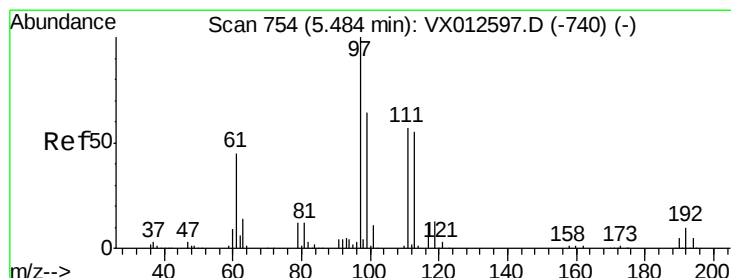
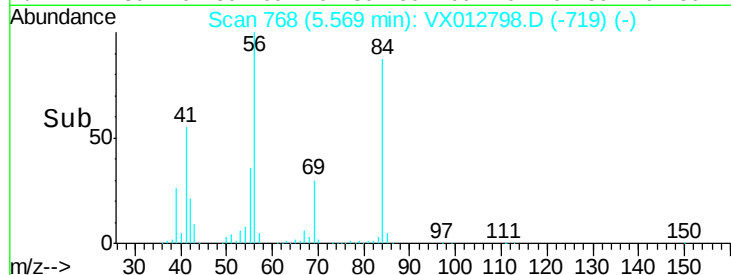
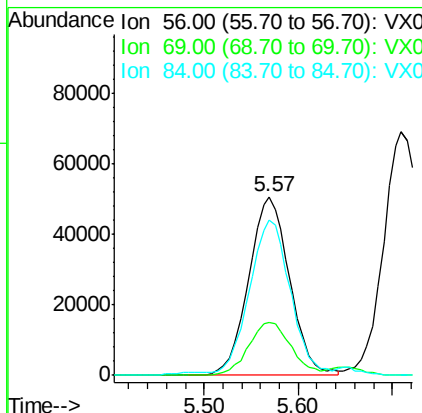
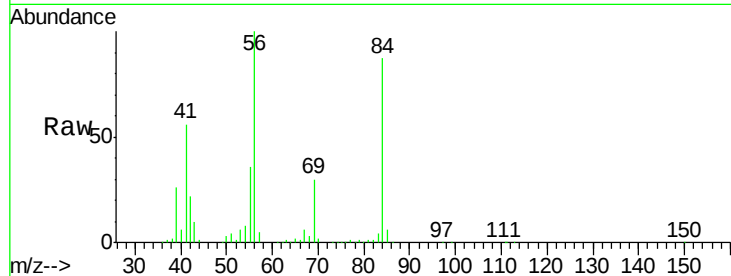
ClientSampleId :

S49-0539MS

Tot Ion:	56	Resp:	153284
Ion Ratio	Lower	Upper	
56	100		
69	29.9	25.0	37.6
84	85.6	66.4	99.6

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#32

1,1,1-Trichloroethane

Concen: 49.153 ug/l

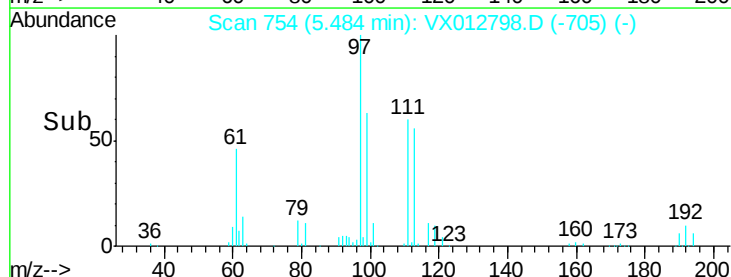
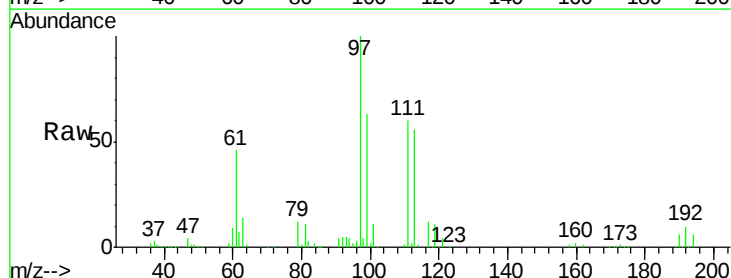
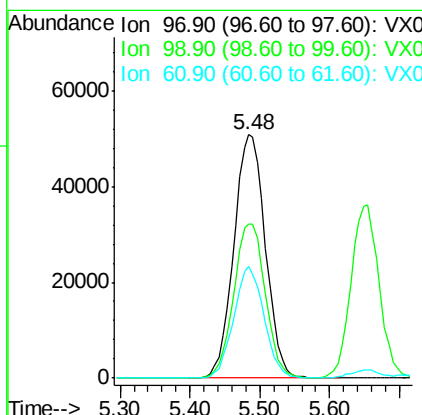
RT: 5.48 min Scan# 754

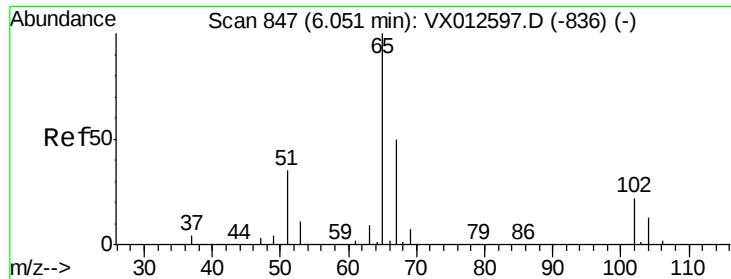
Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Tgt Ion:	97	Resp:	158632
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.3	76.9
61	44.4	36.1	54.1





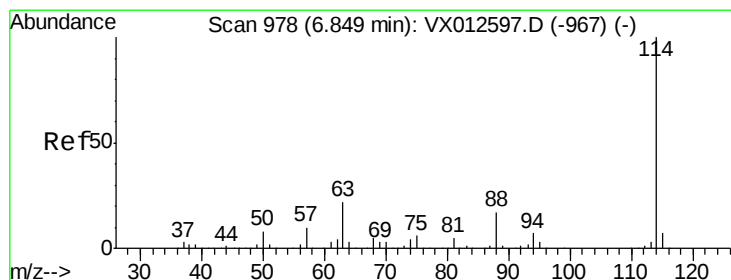
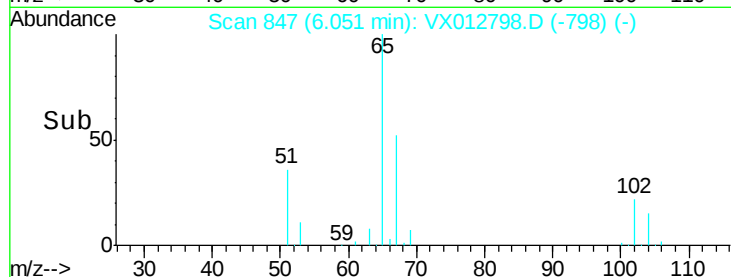
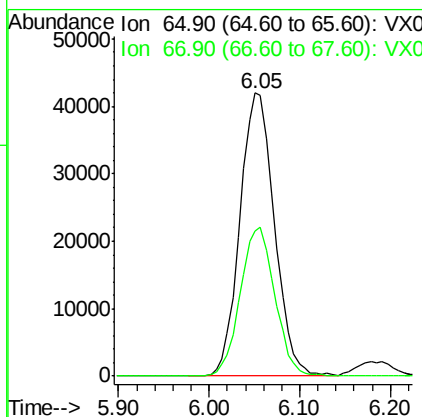
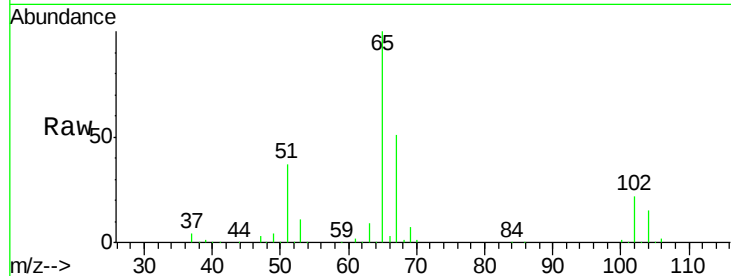
#33
 1,2-Dichloroethane-d4
 Concen: 47.910 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110831		
67	52.7	0.0	101.2	

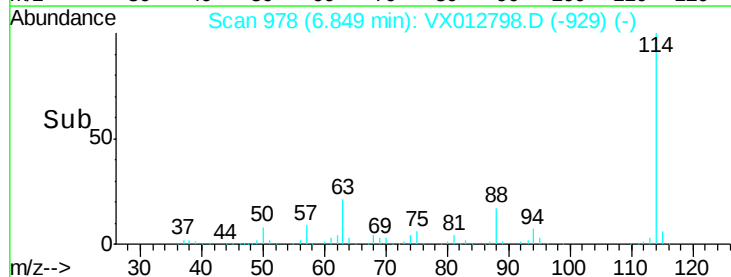
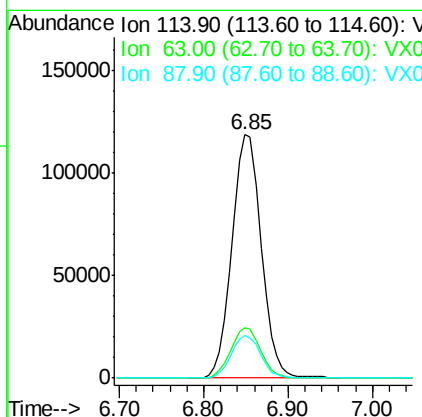
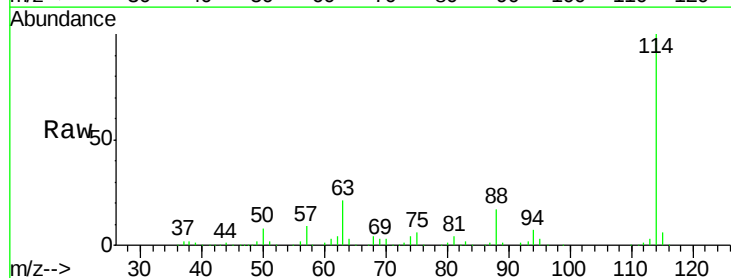
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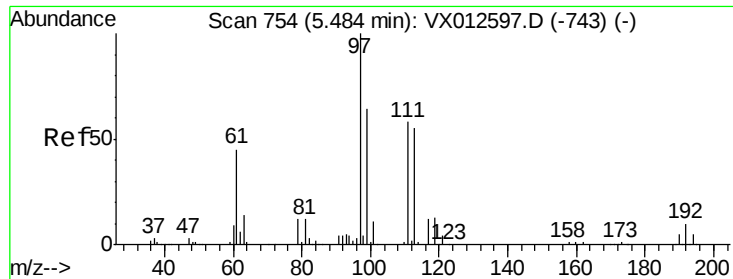
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	279874		
63	20.7	0.0	43.2	
88	17.3	0.0	33.2	





#35

Dibromofluoromethane

Concen: 52.001 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

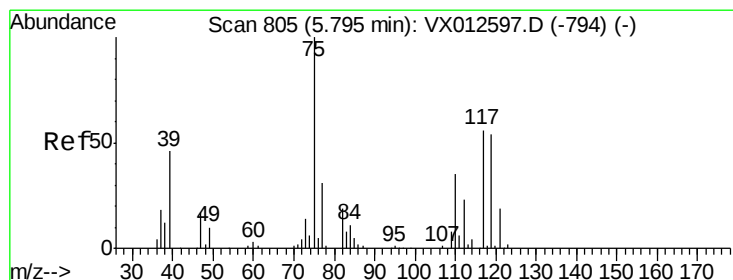
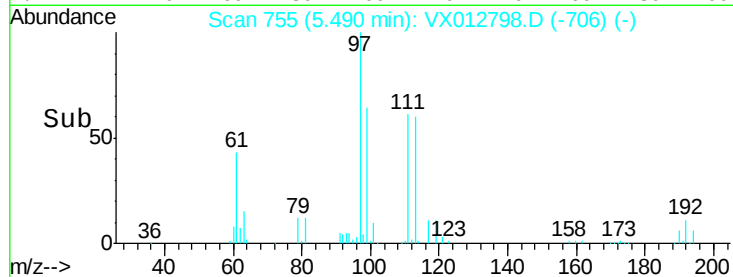
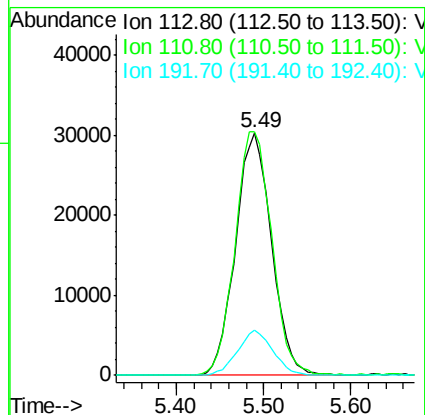
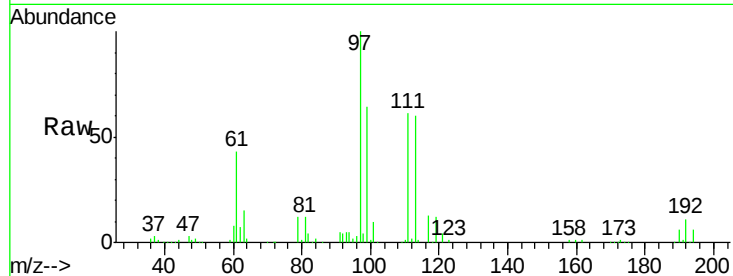
ClientSampleId :

S49-0539MS

Tot Ion:	113	Resp:	86673
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.4	125.2
192	18.1	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 47.940 ug/l

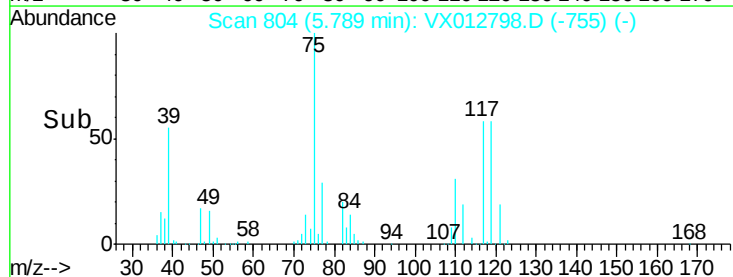
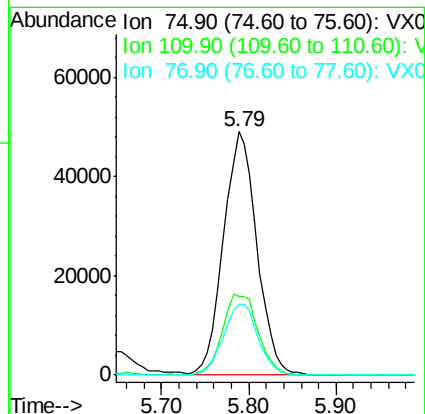
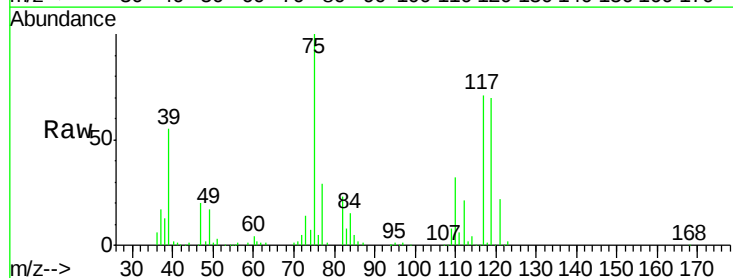
RT: 5.79 min Scan# 804

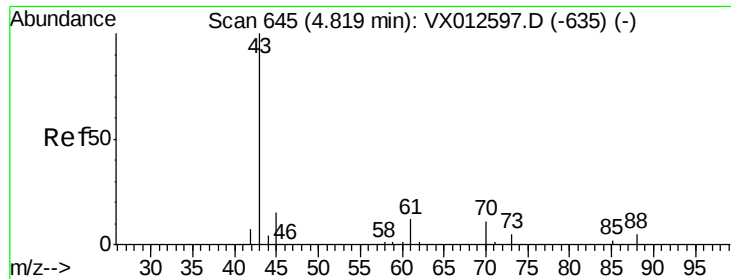
Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Tgt Ion:	75	Resp:	129326
Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.7	50.0
77	30.5	24.2	36.2





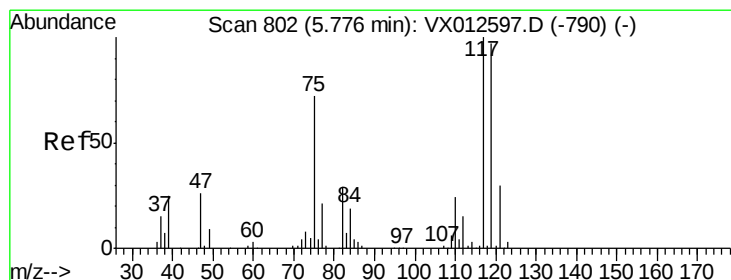
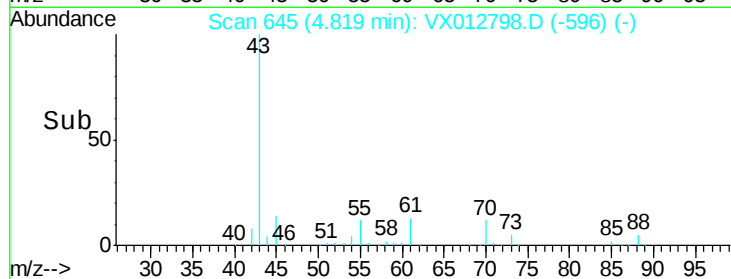
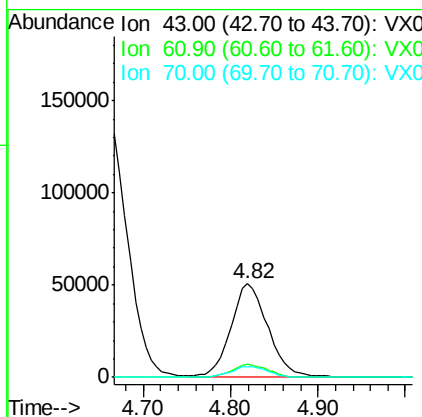
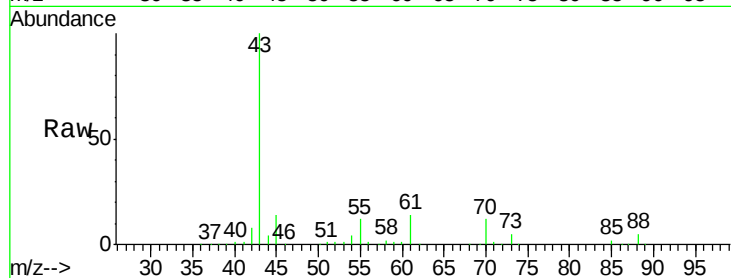
#37
Ethyl Acetate
Concen: 46.666 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.4
70	12.2	8.7	13.1

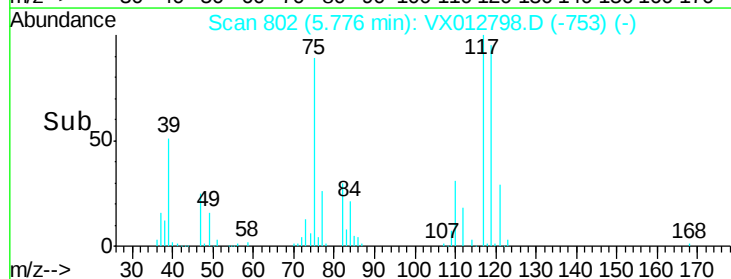
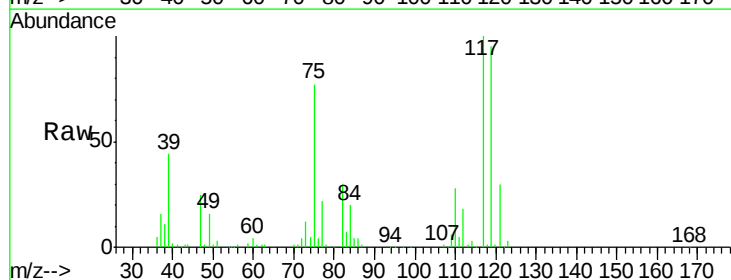
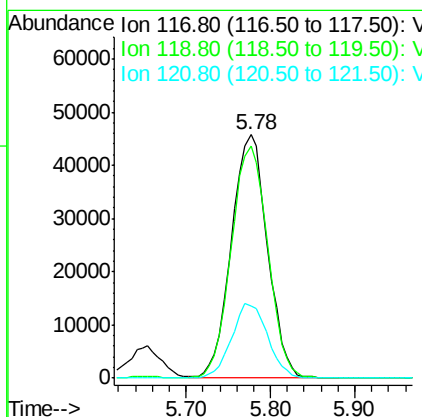
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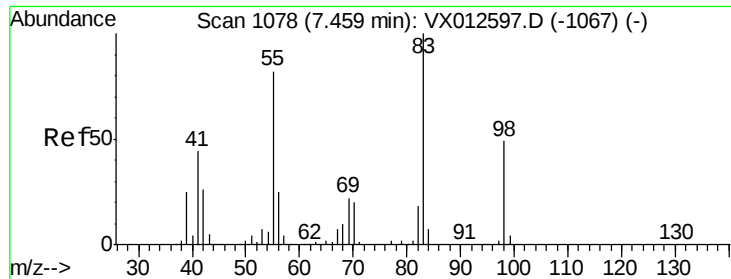
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#38
Carbon Tetrachloride
Concen: 48.515 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.7	113.5
121	29.6	24.2	36.4





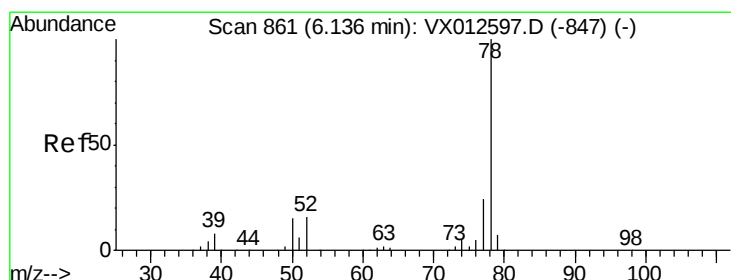
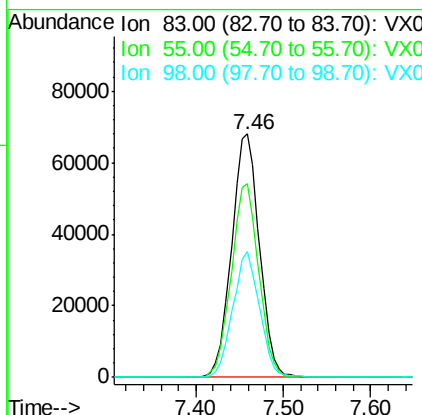
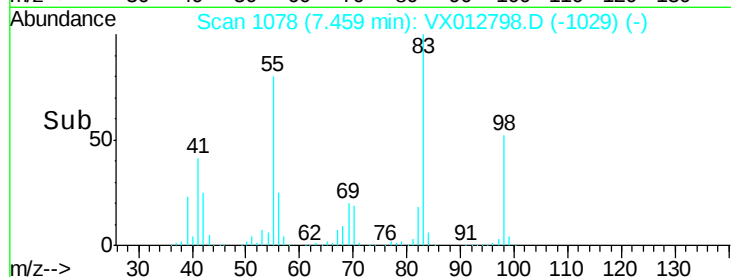
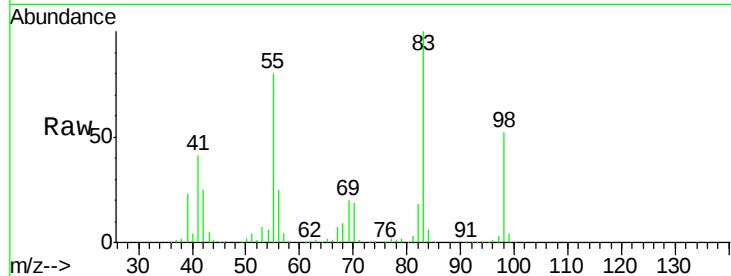
#39
Methvlcvclohexane
Concen: 46.135 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149829		
55	79.8	64.4	96.6	
98	51.8	40.1	60.1	

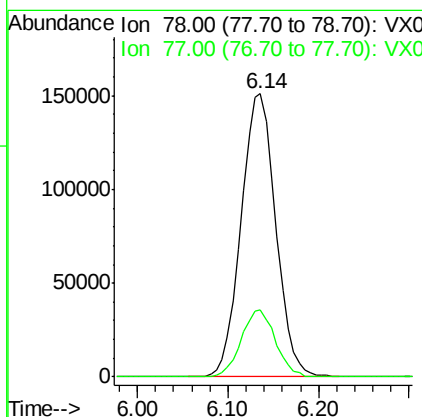
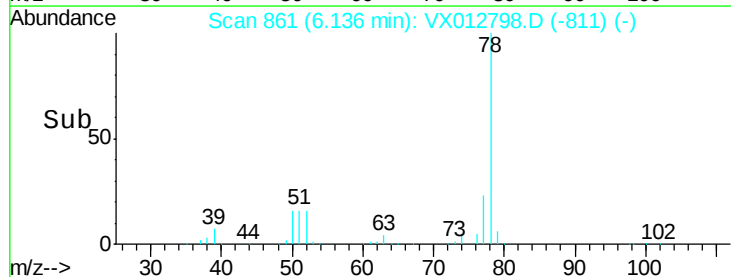
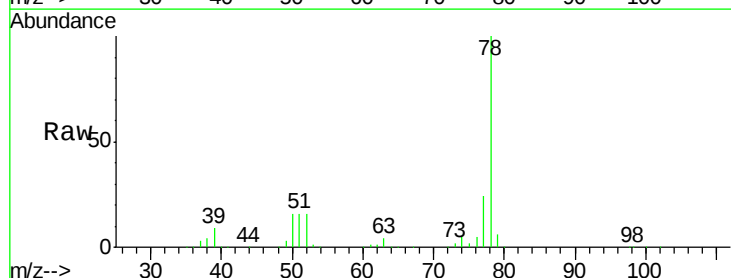
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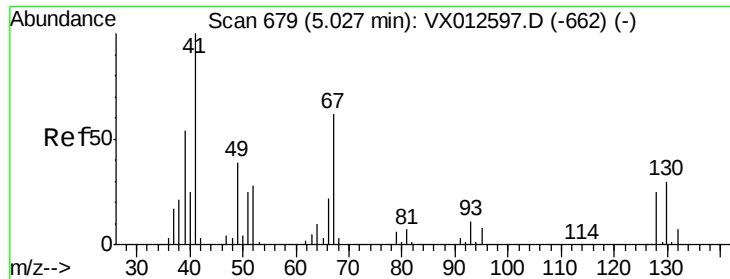
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#40
Benzene
Concen: 50.322 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	399422		
77	23.6	19.2	28.8	





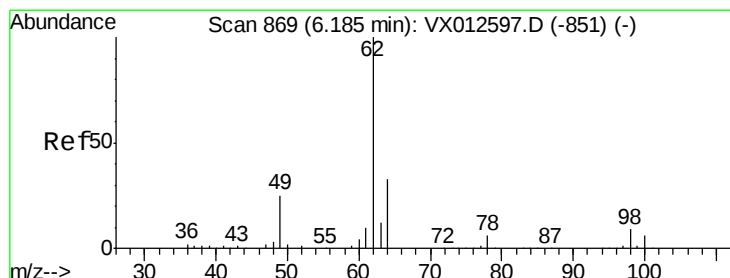
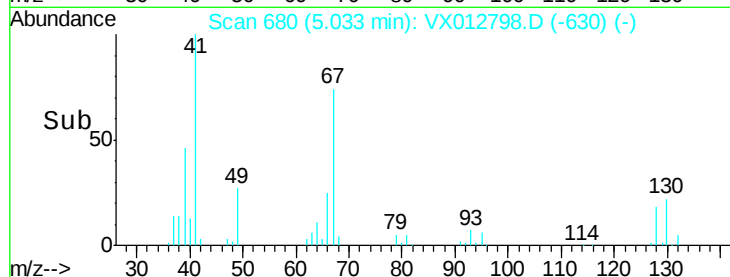
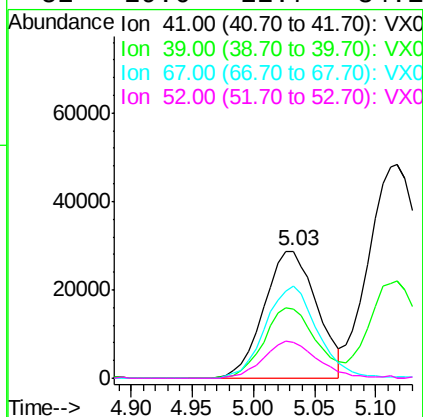
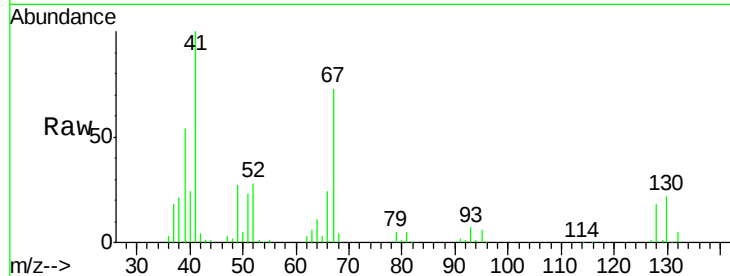
#41
Methacrylonitrile
Concen: 48.954 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	41	Resp	86626
Ion	Ratio	Lower	Upper
41	100		
39	55.4	46.0	69.0
67	71.9	52.2	78.2
52	29.6	22.7	34.1

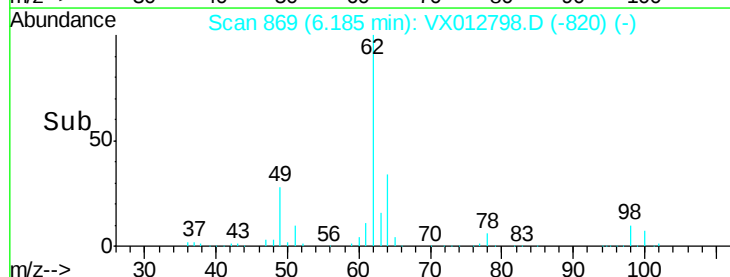
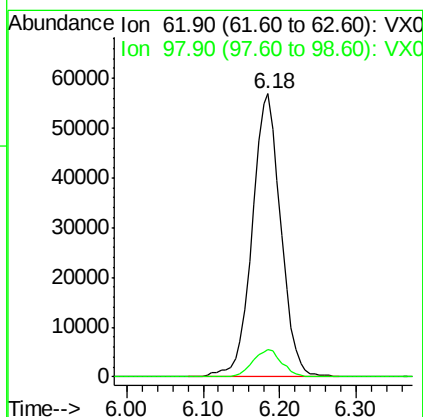
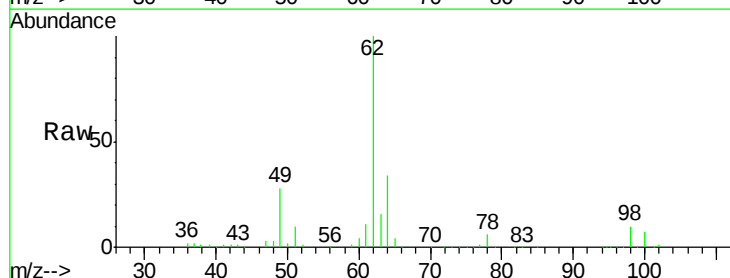
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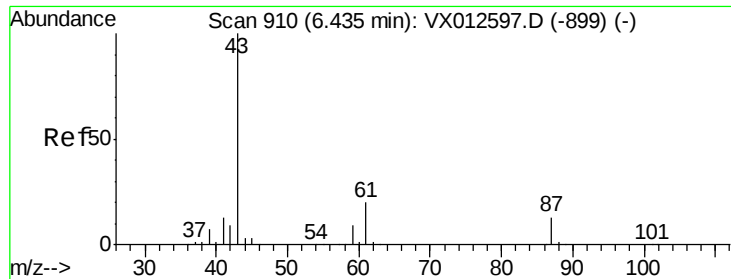
MMDadoda
10/4/2019 9:19:19 AM



#42
1,2-Dichloroethane
Concen: 49.215 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	62	Resp	148339
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8





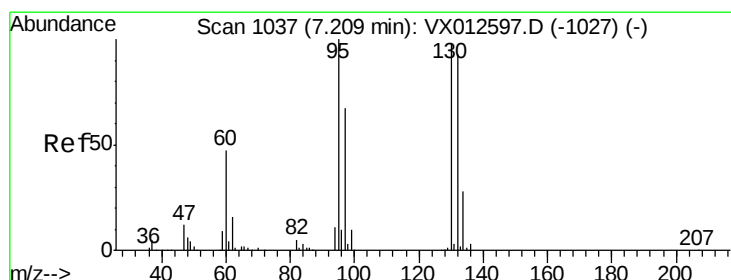
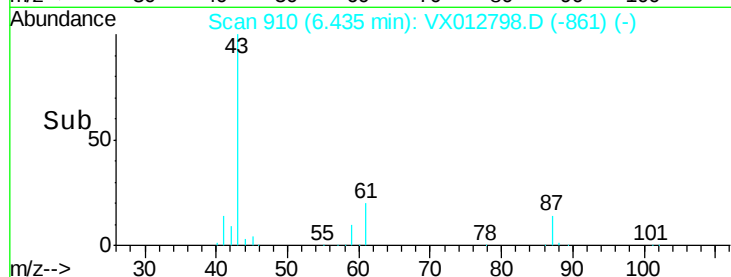
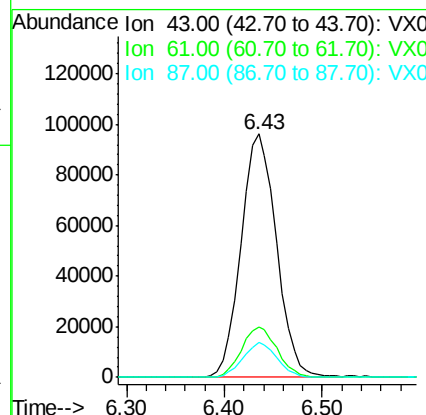
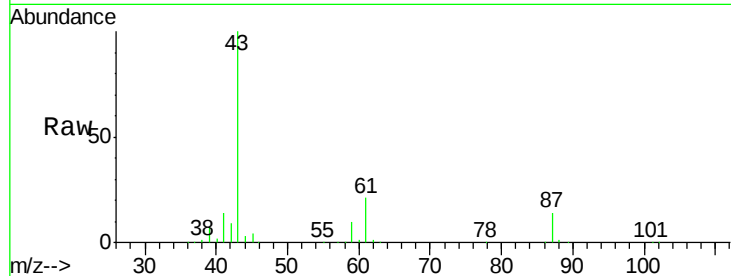
#43
Isopropyl Acetate
Concen: 45.659 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.4	23.0
87	13.8	9.8	14.8

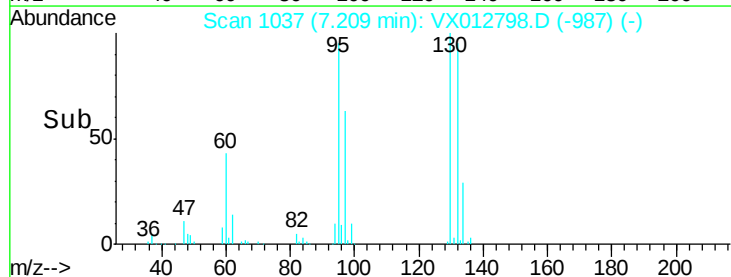
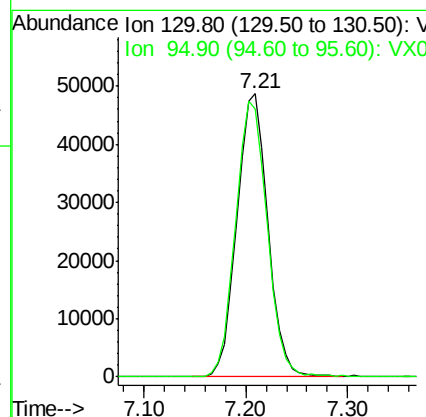
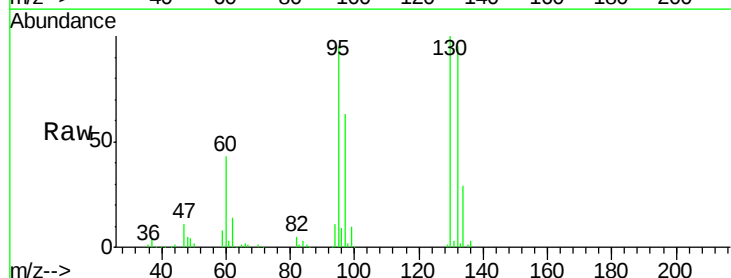
Manual Integrations
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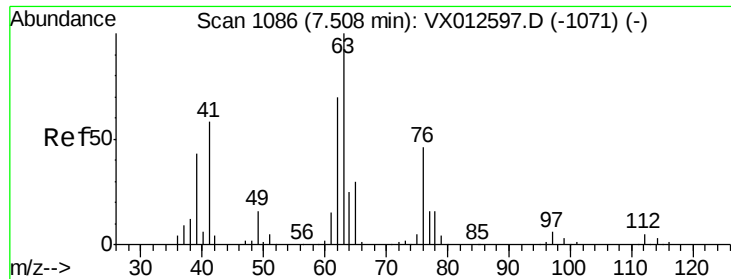
MMDadoda
10/4/2019 9:19:19 AM



#44
Trichloroethene
Concen: 50.399 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	193.0





#45

1,2-Dichloropropane

Concen: 51.218 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampled :

S49-0539MS

Tot Ion: 63 Resp: 104083

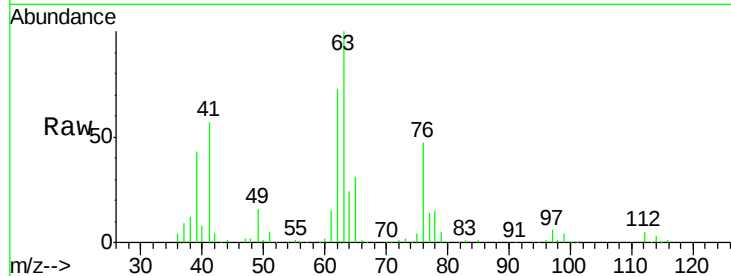
Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.6

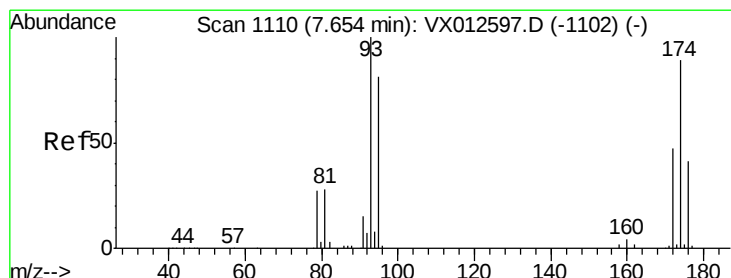
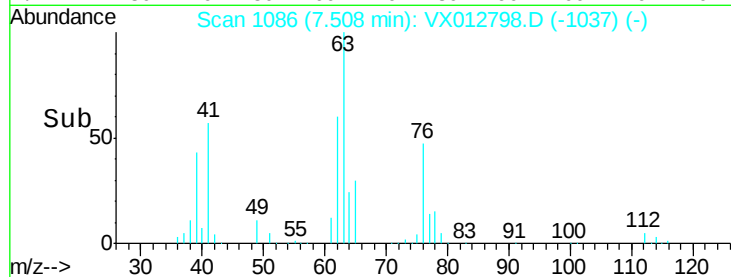
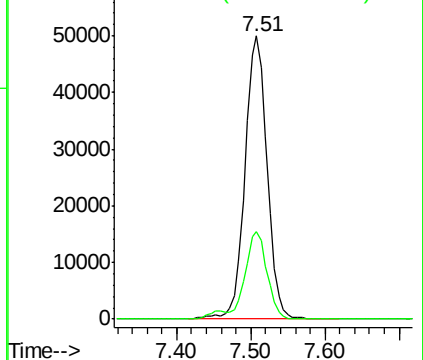
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.873 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

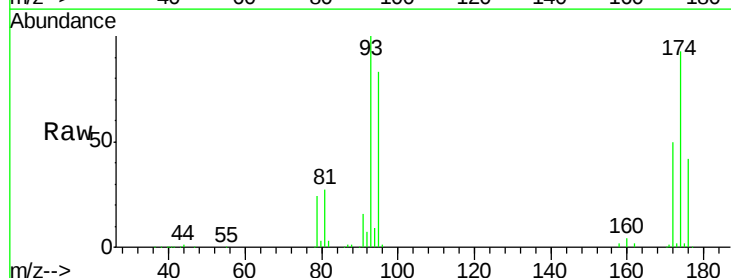
Tgt Ion: 93 Resp: 70388

Ion Ratio Lower Upper

93 100

95 82.9 66.6 100.0

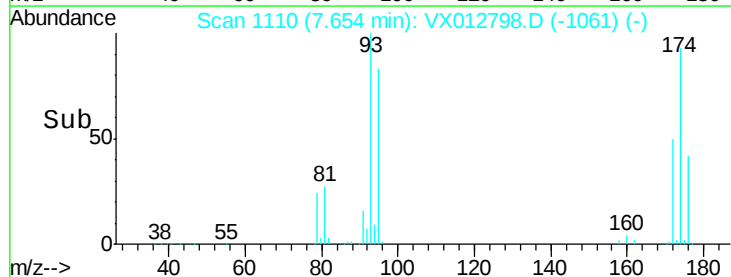
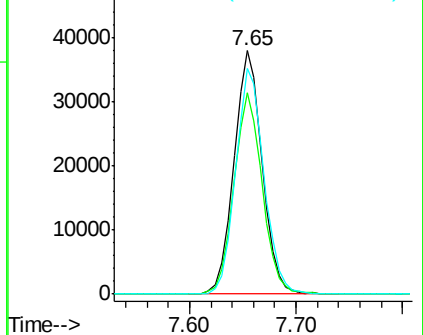
174 93.3 77.4 116.0

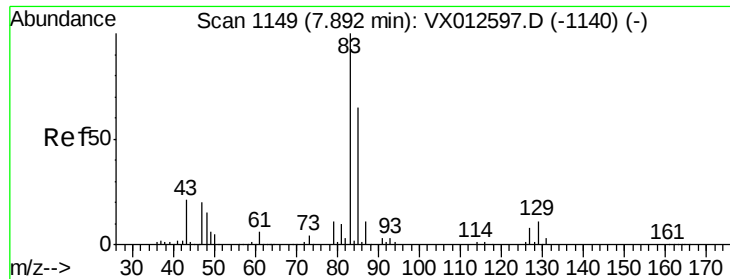


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.703 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

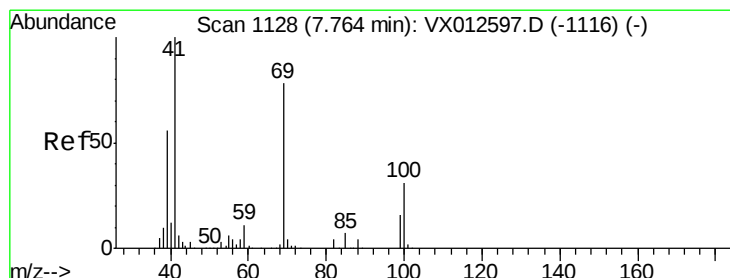
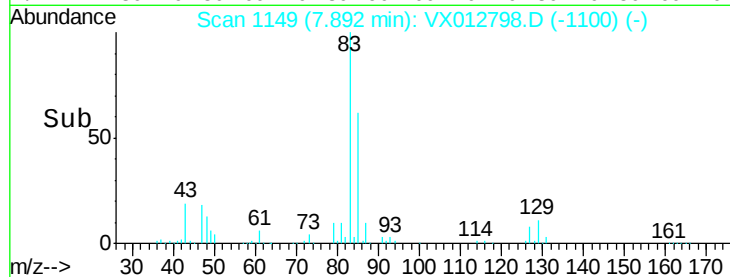
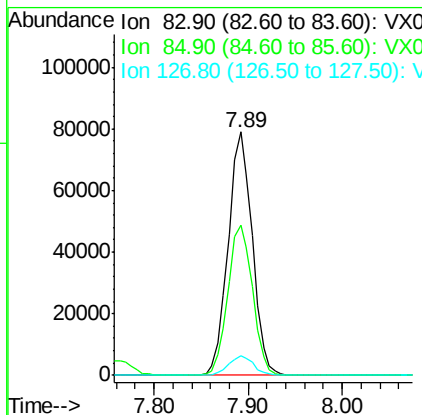
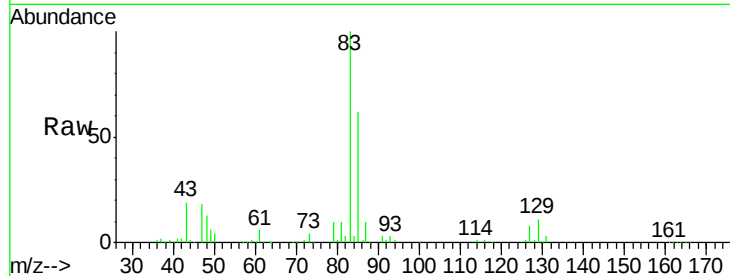
ClientSampled :

S49-0539MS

Tot Ion:	83	Resp:	140207
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.8	77.6
127	8.3	7.3	10.9

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#48

Methyl methacrylate

Concen: 49.104 ug/l

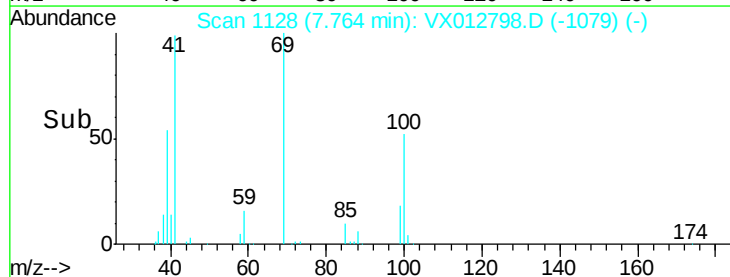
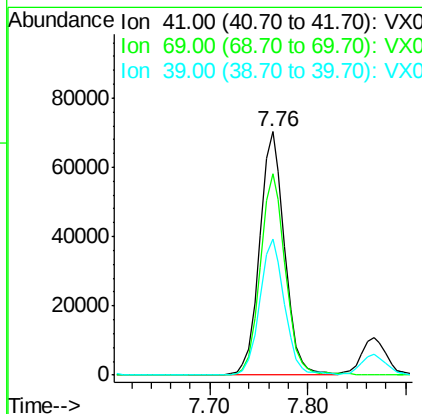
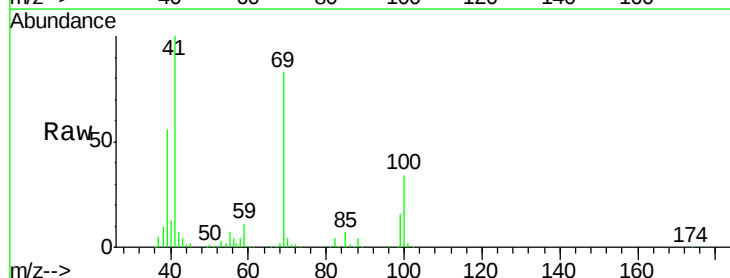
RT: 7.76 min Scan# 1128

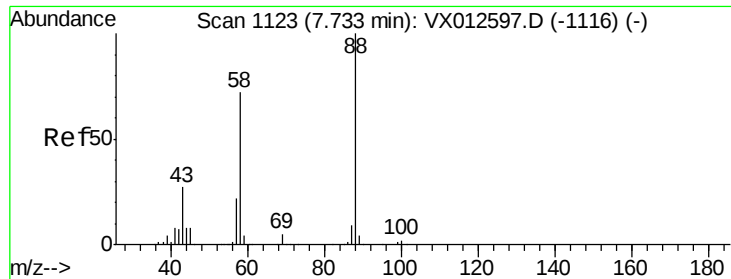
Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Tgt Ion:	41	Resp:	124184
Ion Ratio	Lower	Upper	
41	100		
69	83.1	59.9	89.9
39	55.5	47.8	71.6





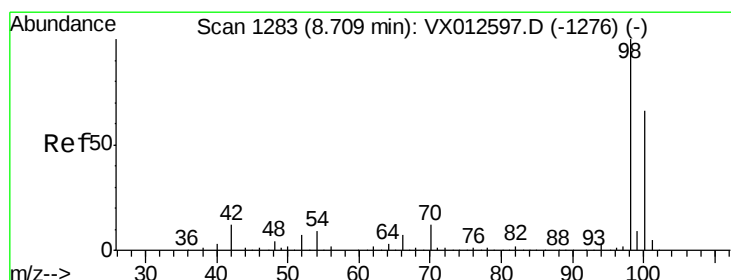
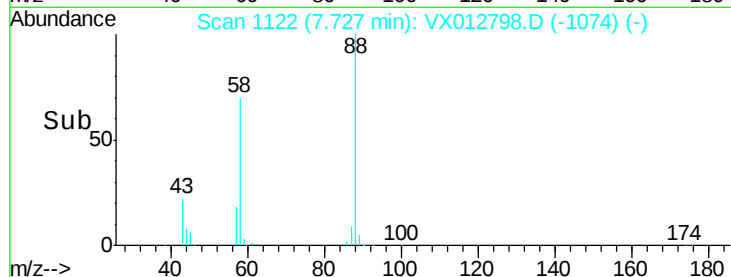
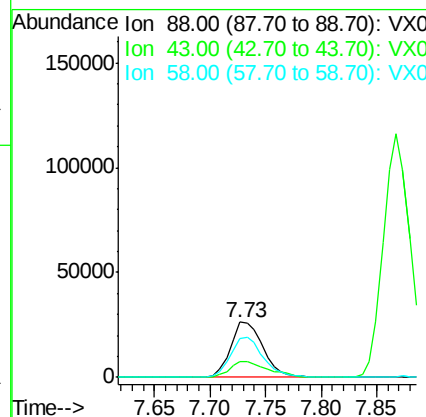
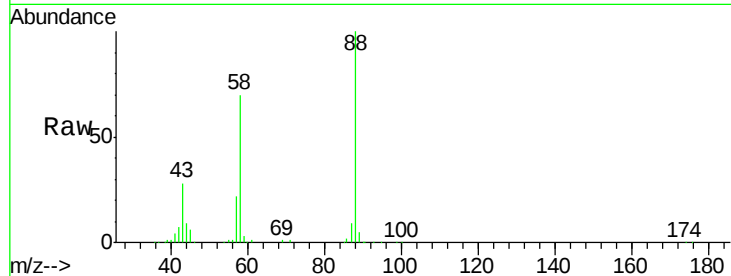
#49
1,4-Dioxane
Concen: 938.952 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	29.4	44.0
58	72.6	57.5	86.3

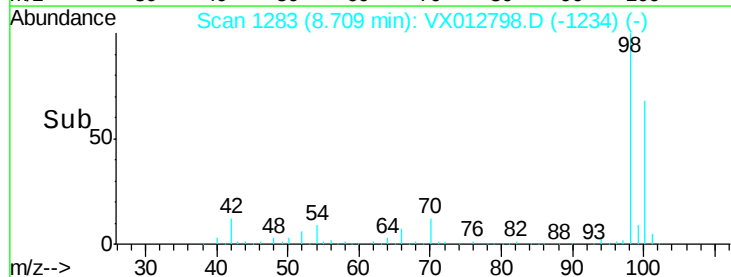
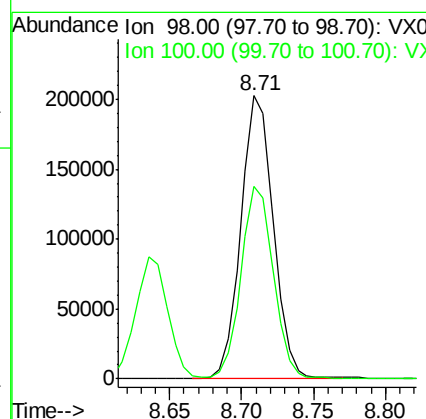
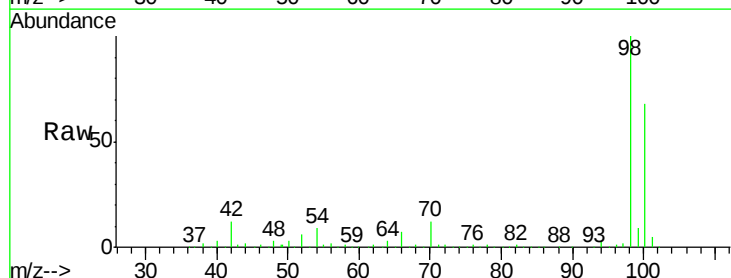
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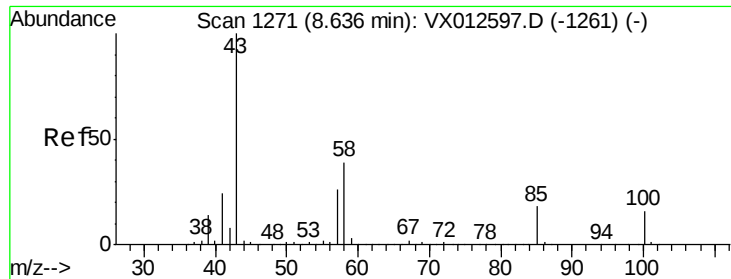
MMDadoda
10/4/2019 9:19:19 AM



#50
Toluene-d8
Concen: 49.464 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 247.701 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion: 43 Resp: 806444

Ion Ratio Lower Upper

43 100

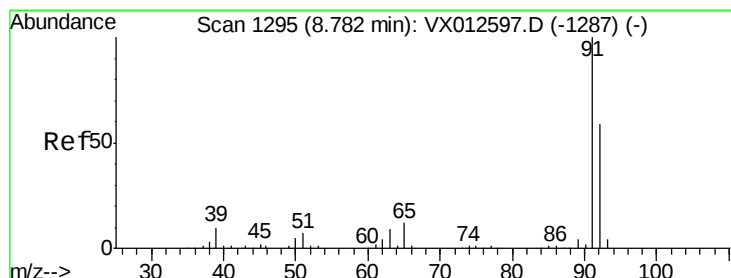
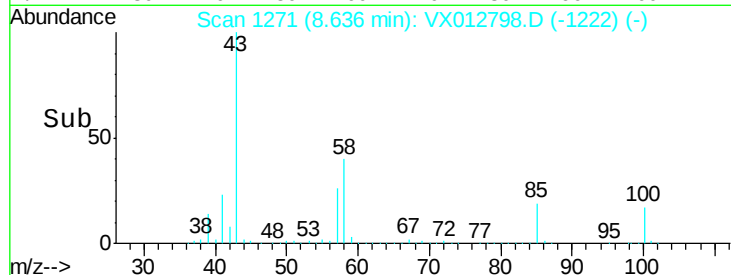
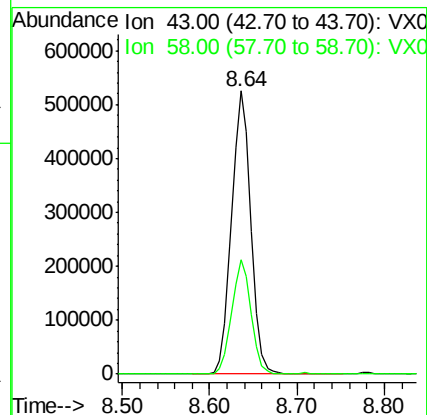
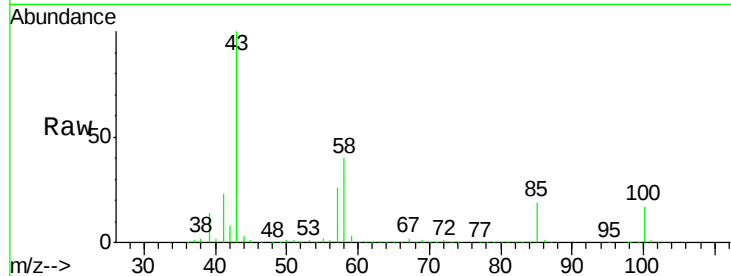
58 40.2 29.8 44.6

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#52

Toluene

Concen: 50.534 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX012798.D

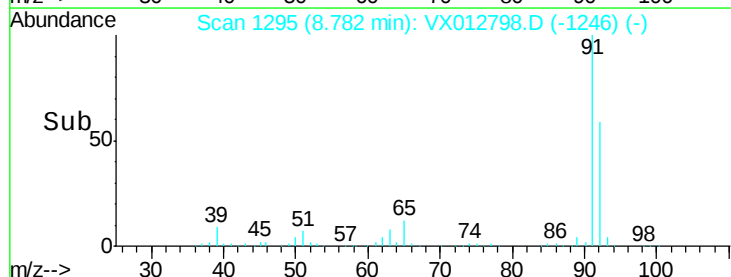
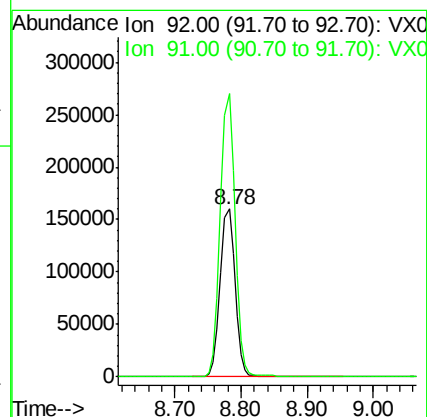
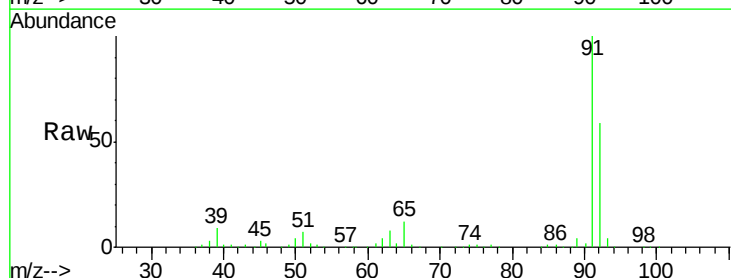
Acq: 03 Oct 2019 20:53

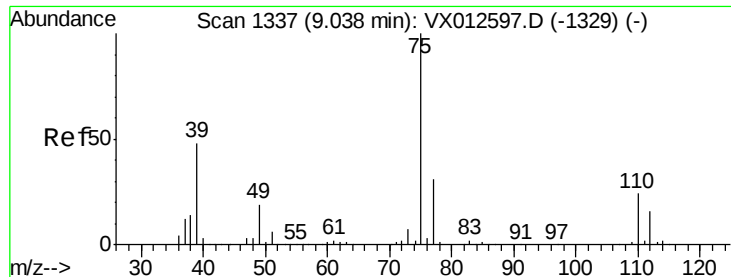
Tgt Ion: 92 Resp: 252100

Ion Ratio Lower Upper

92 100

91 166.5 135.4 203.0





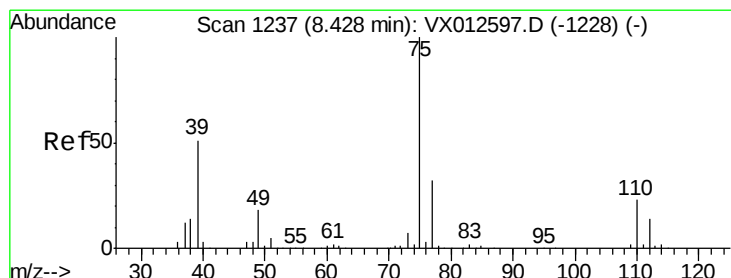
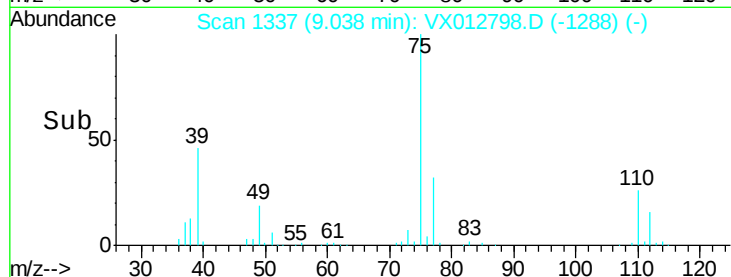
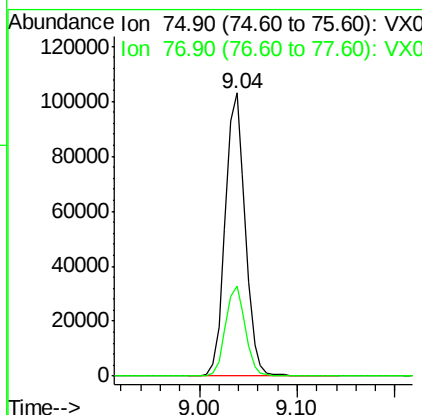
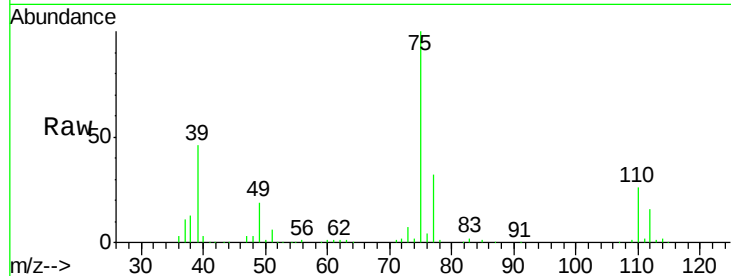
#53
t-1,3-Dichloropropene
Concen: 47.706 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion: 75 Resp: 145959
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

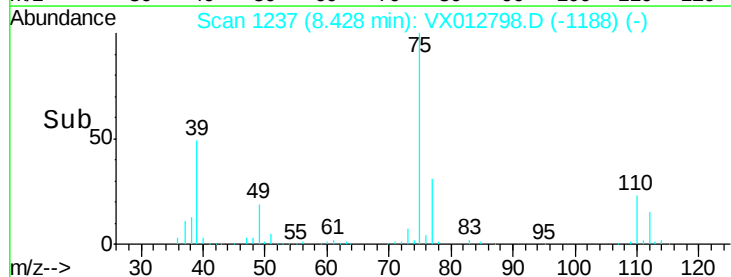
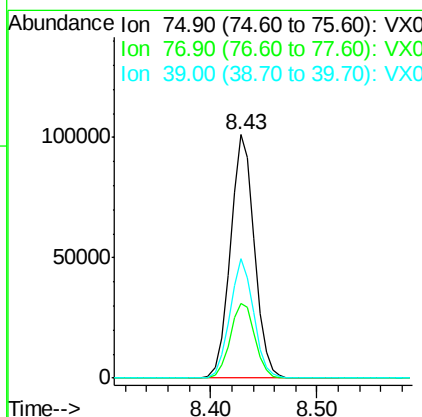
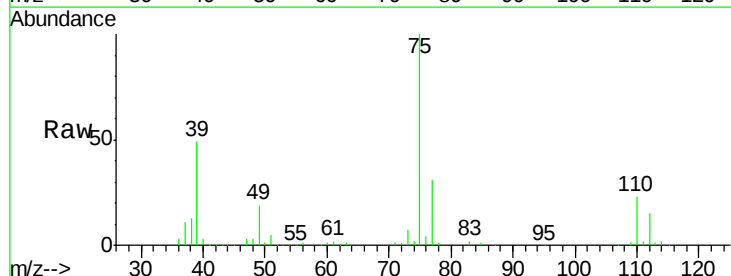
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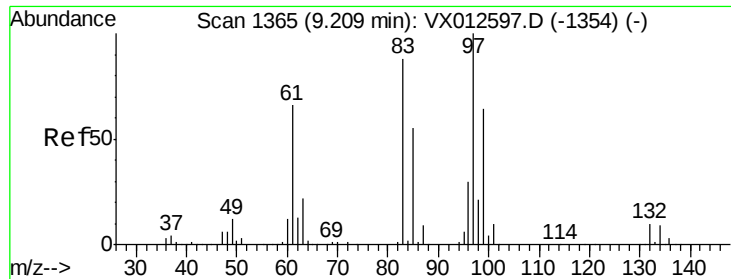
MMDadoda
10/4/2019 9:19:19 AM



#54
cis-1,3-Dichloropropene
Concen: 47.946 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion: 75 Resp: 160165
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.8
39 48.8 45.5 68.3





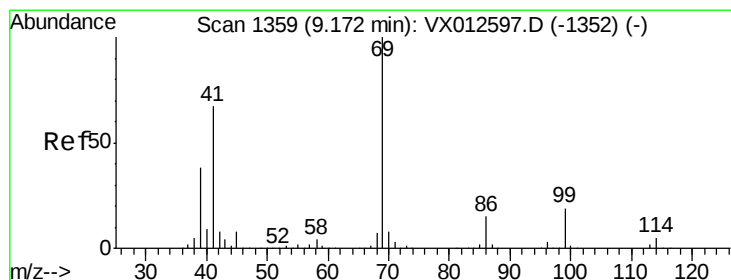
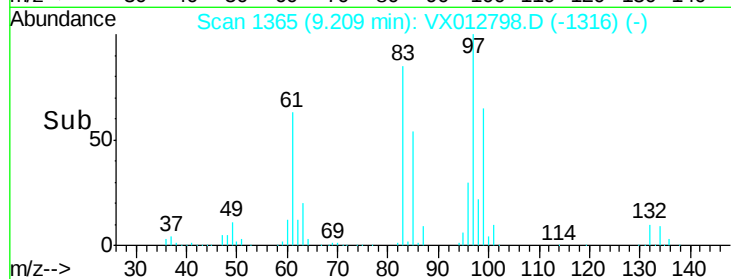
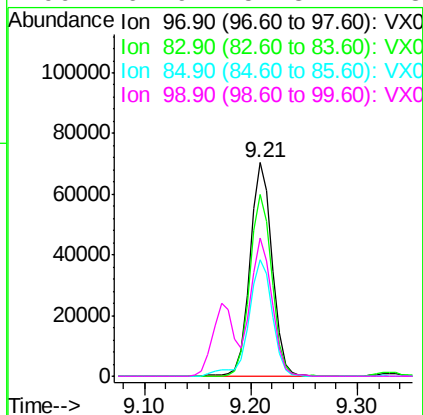
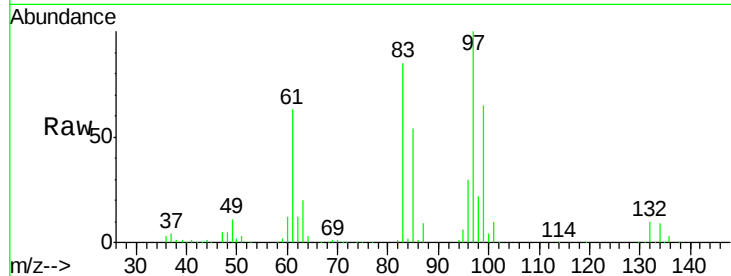
#55
 1,1,2-Trichloroethane
 Concen: 51.695 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Tot Ion	97	Resp	102530
Ion Ratio	Lower	Upper	
97	100		
83	85.3	67.4	101.2
85	54.4	43.5	65.3
99	64.9	51.8	77.8

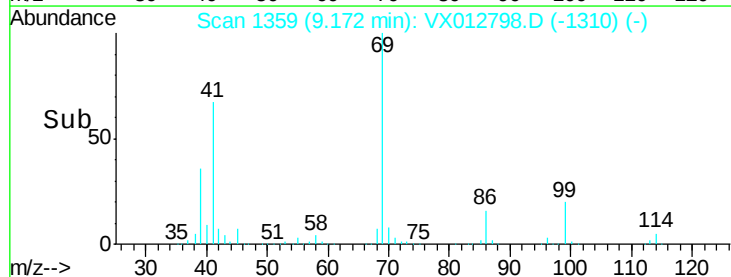
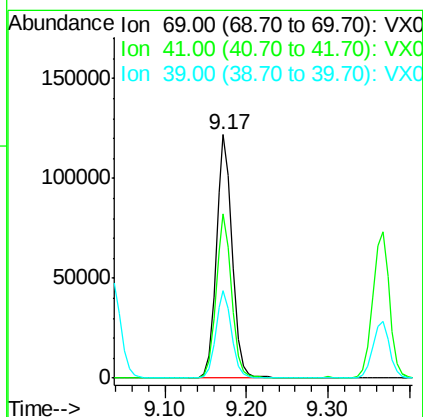
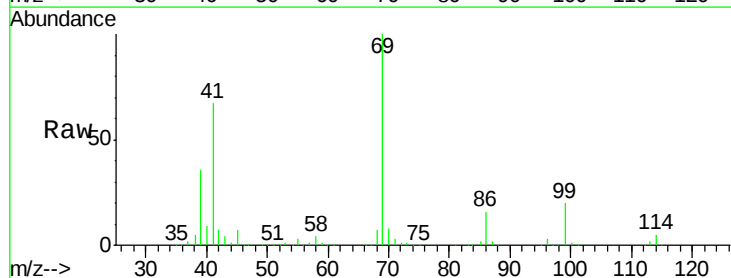
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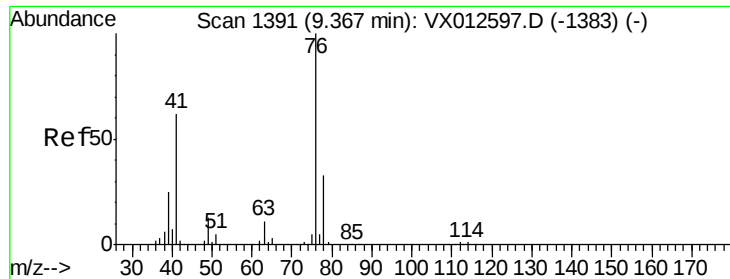
MMDadoda
 10/4/2019 9:19:19 AM



#56
 Ethyl methacrylate
 Concen: 50.362 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Tgt Ion	69	Resp	167808
Ion Ratio	Lower	Upper	
69	100		
41	66.2	58.4	87.6
39	35.9	33.4	50.0





#57

1,3-Dichloropropane

Concen: 51.444 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion: 76 Resp: 178574

Ion Ratio Lower Upper

76 100

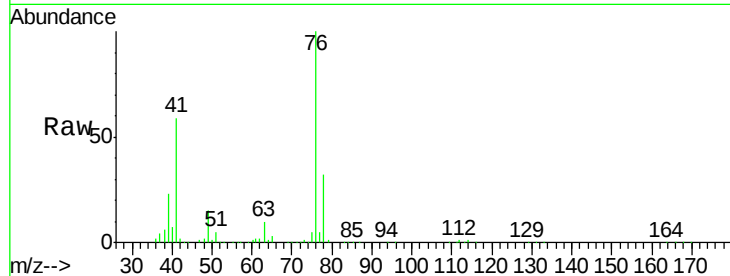
78 31.9 26.2 39.2

Manual Integrations

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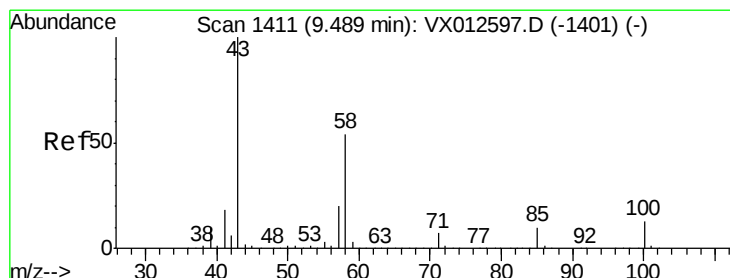
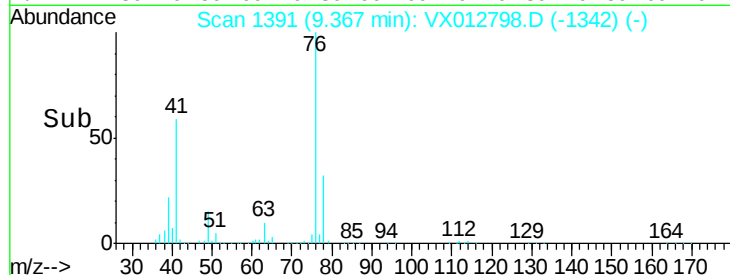
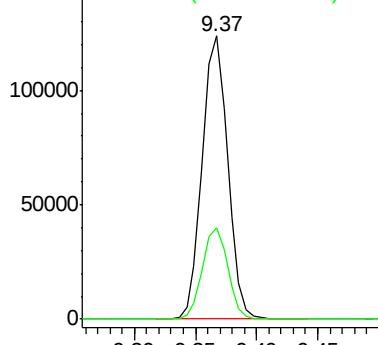
MMDadoda

10/4/2019 9:19:19 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 249.557 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX012798.D

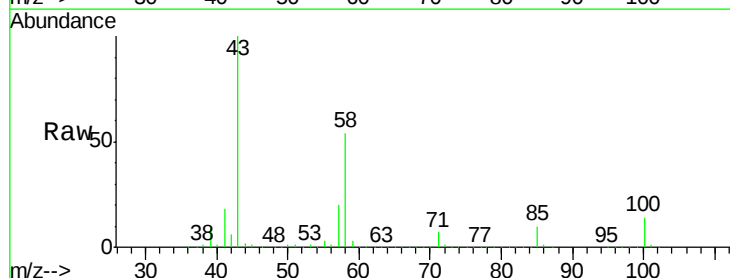
Acq: 03 Oct 2019 20:53

Tgt Ion: 43 Resp: 621910

Ion Ratio Lower Upper

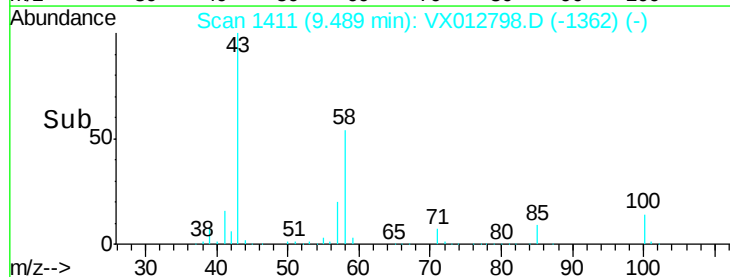
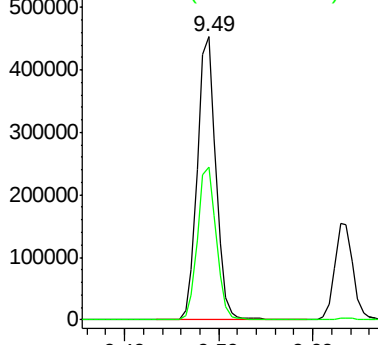
43 100

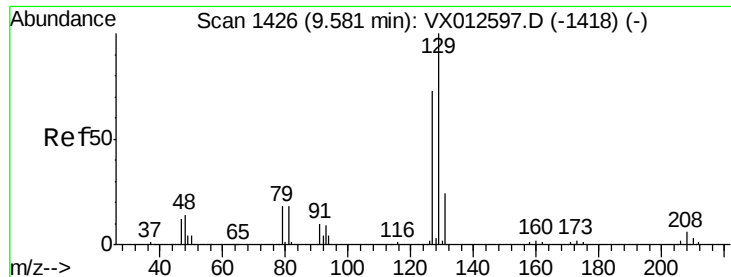
58 54.8 25.7 77.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 52.540 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion:129 Resp: 105487

Ion Ratio Lower Upper

129 100

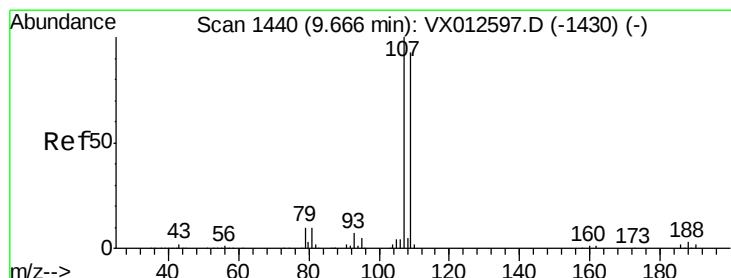
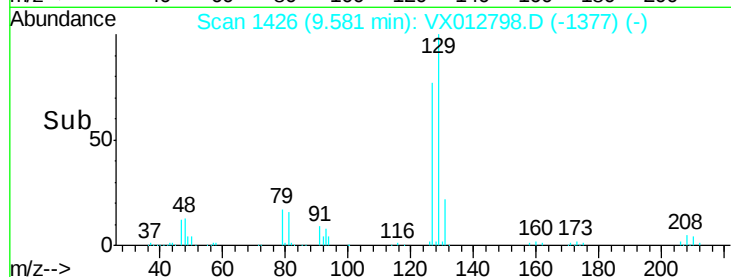
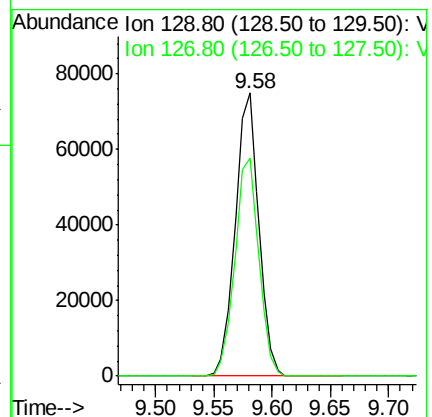
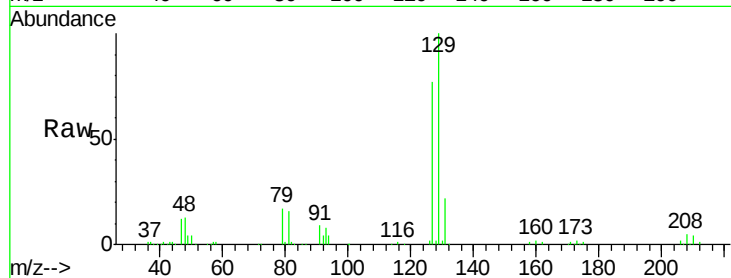
127 78.7 38.9 116.6

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#61

1,2-Dibromoethane

Concen: 52.417 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012798.D

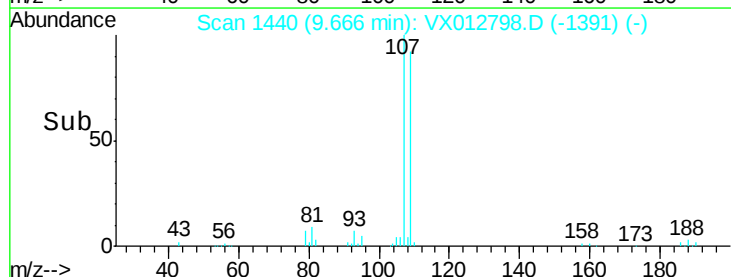
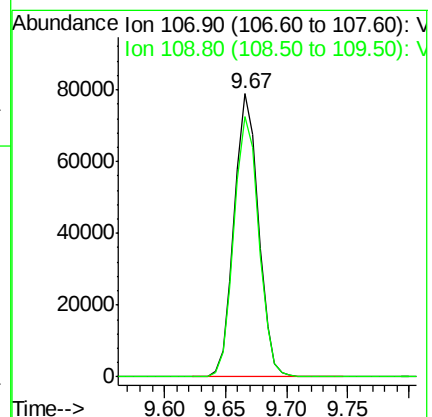
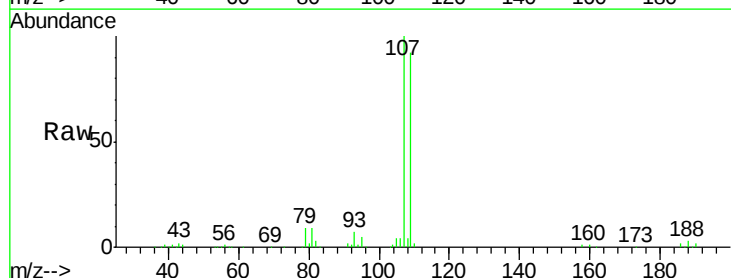
Acq: 03 Oct 2019 20:53

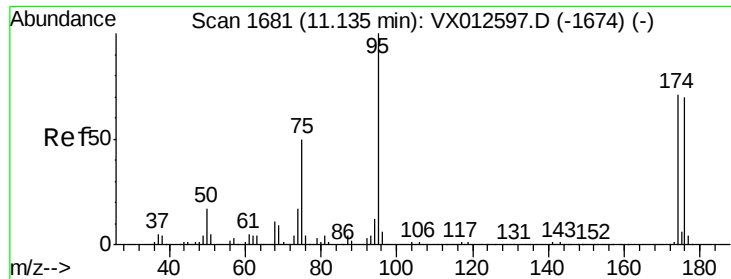
Tgt Ion:107 Resp: 108196

Ion Ratio Lower Upper

107 100

109 94.1 74.7 112.1





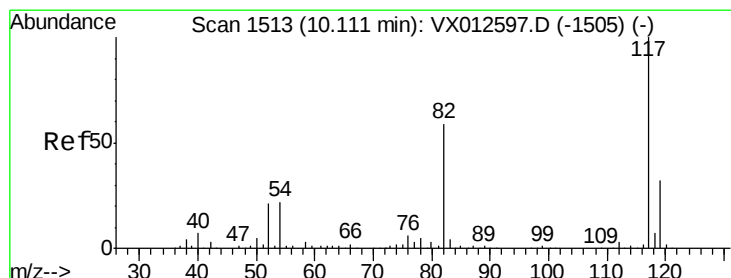
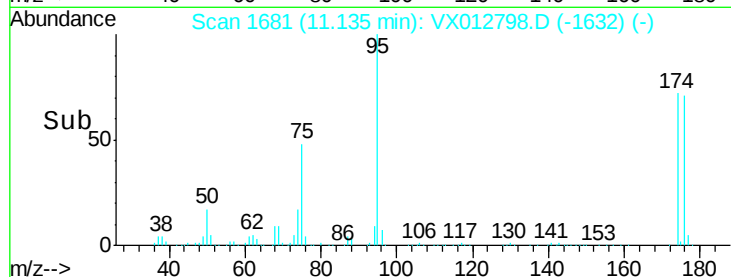
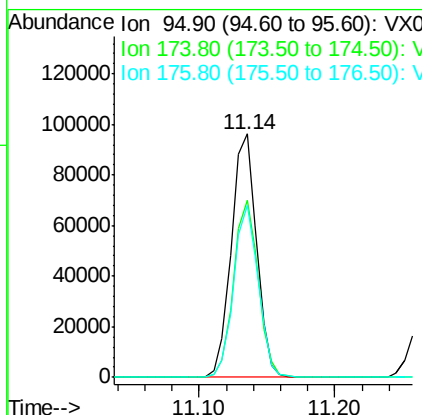
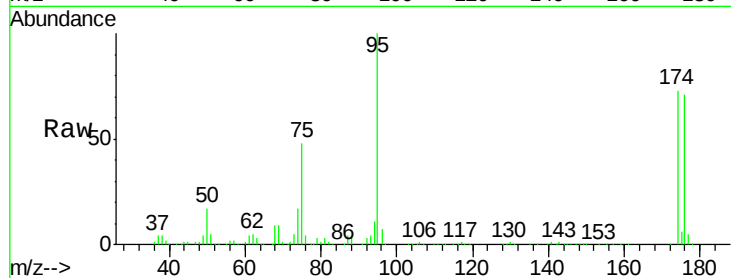
#62
4-Bromofluorobenzene
Concen: 49.178 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	124122		
174	70.9	0.0	140.0	
176	68.7	0.0	135.4	

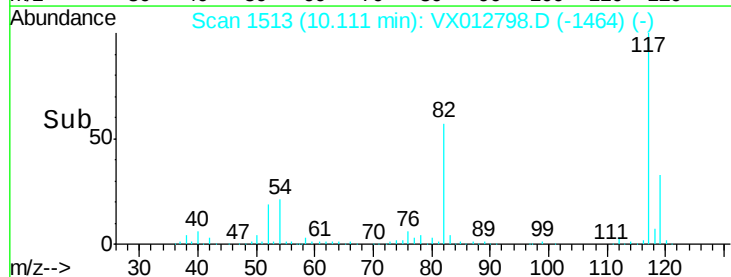
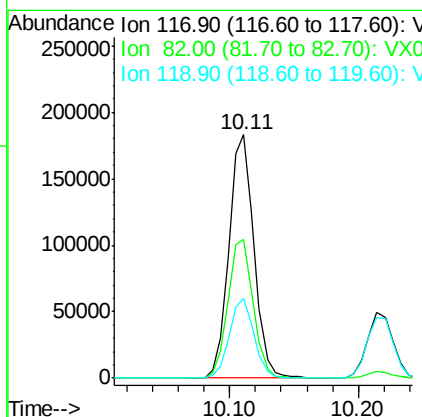
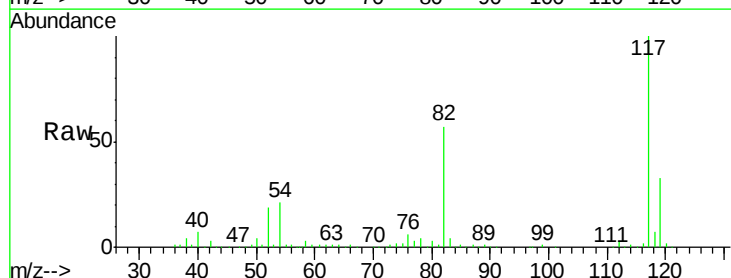
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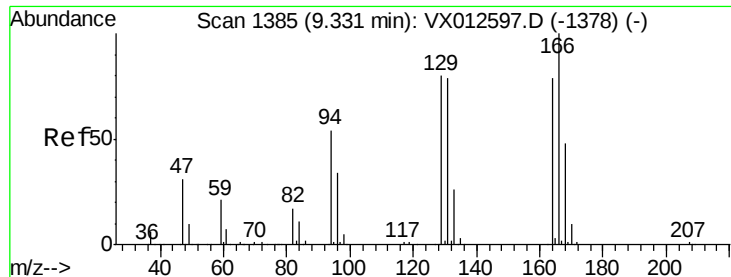
MMDadoda
10/4/2019 9:19:19 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	249689		
82	56.7	45.9	68.9	
119	32.8	25.3	37.9	





#64

Tetrachloroethene

Concen: 48.600 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

S49-0539MS

Tot Ion:164 Resp: 84607

Ion Ratio Lower Upper

164 100

166 127.0 107.8 161.6

129 104.3 86.2 129.2

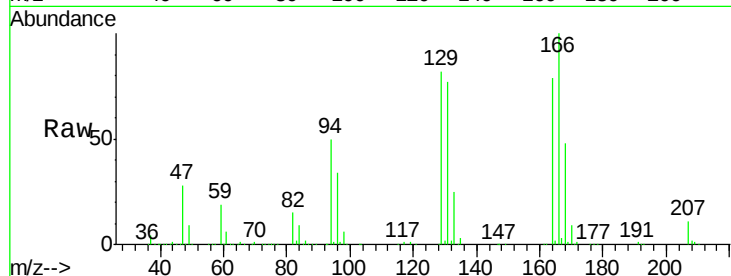
131 97.7 80.4 120.6

Manual Integrations

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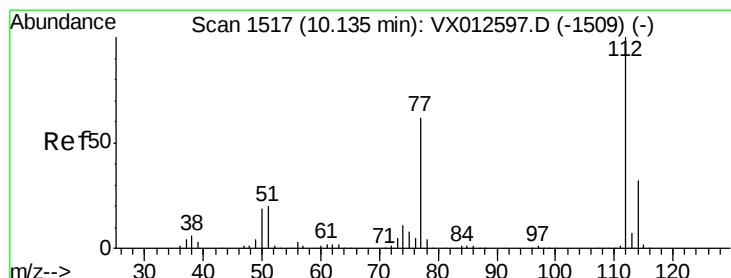
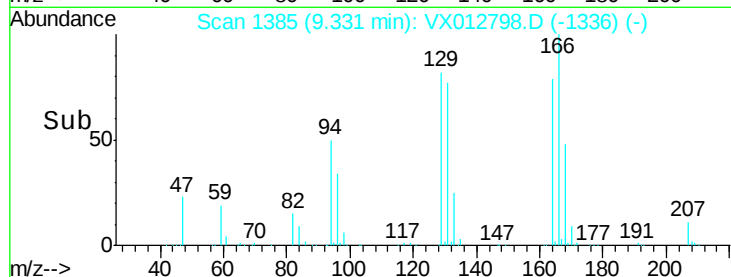
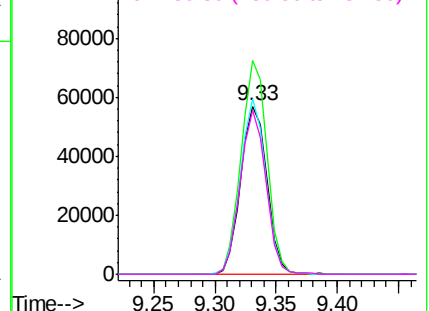


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.178 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012798.D

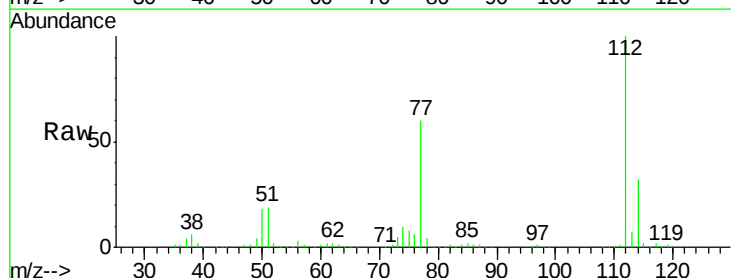
Acq: 03 Oct 2019 20:53

Tgt Ion:112 Resp: 263833

Ion Ratio Lower Upper

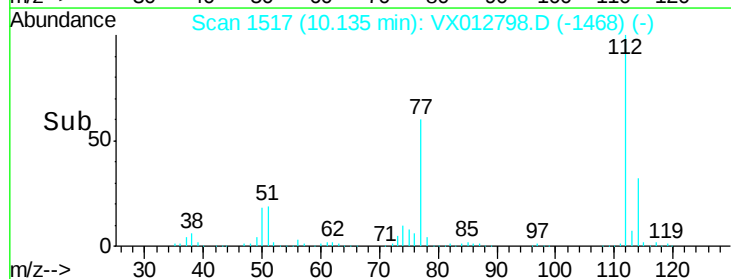
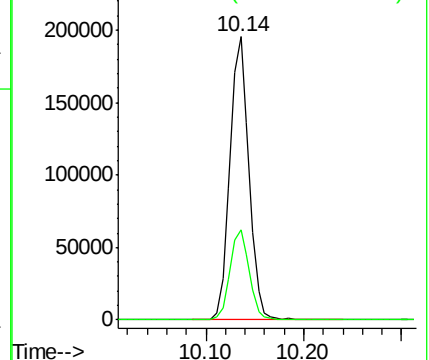
112 100

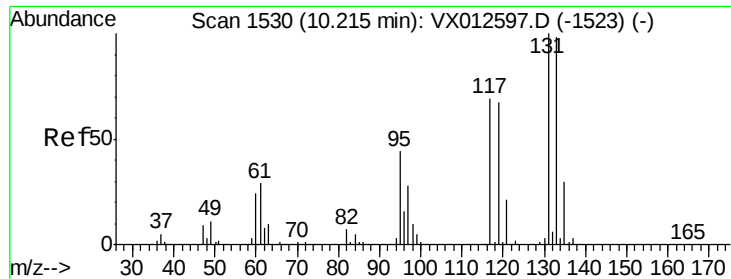
114 32.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





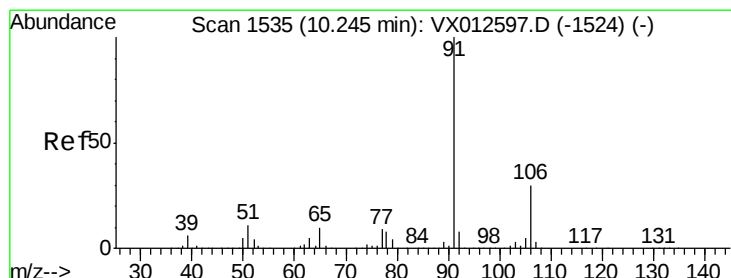
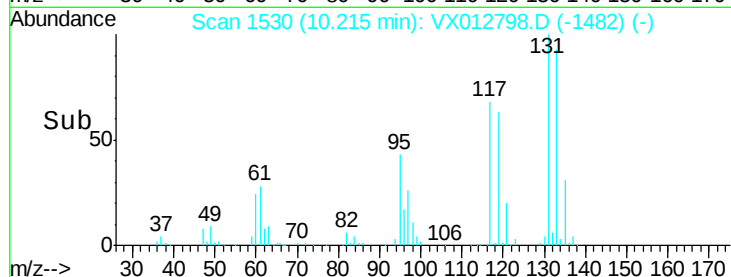
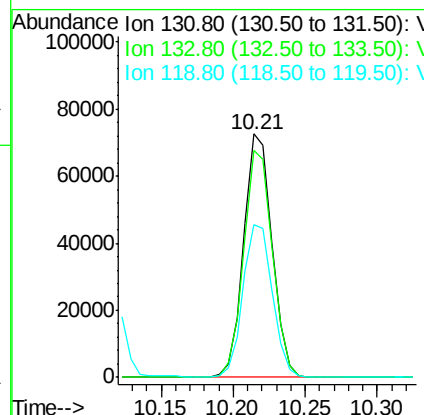
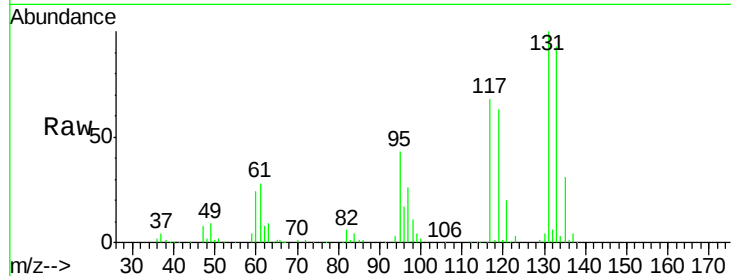
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.009 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.6	142.9
119	65.2	31.3	93.8

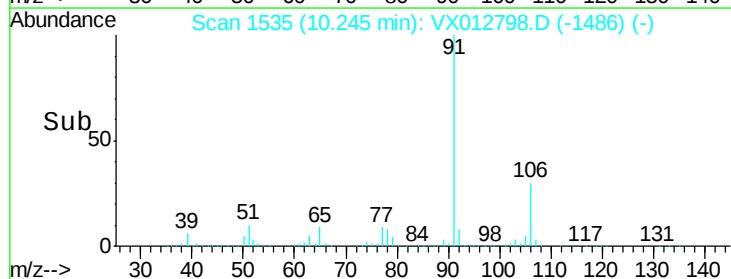
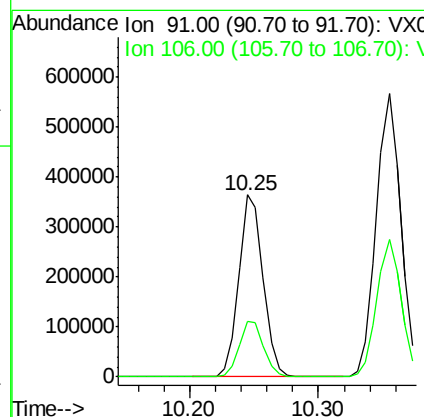
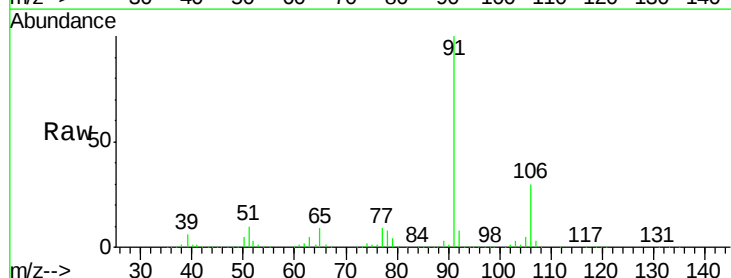
Manual Integrations
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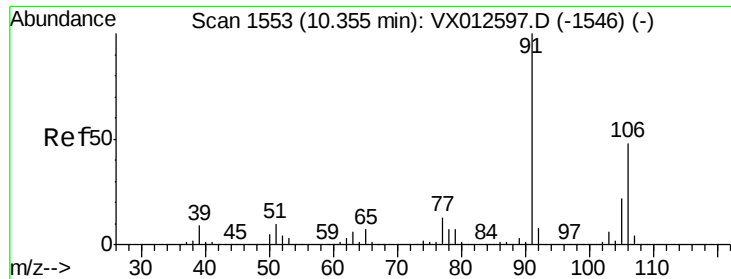
MMDadoda
 10/4/2019 9:19:19 AM



#67
 Ethyl Benzene
 Concen: 50.434 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.6	37.0





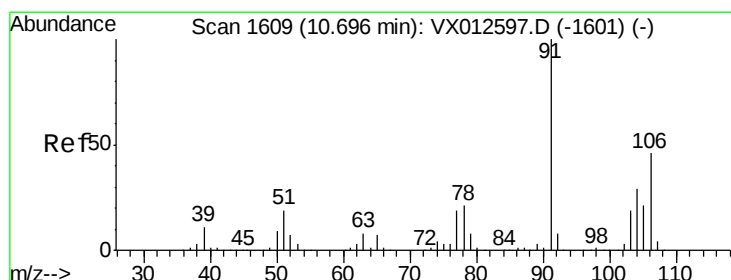
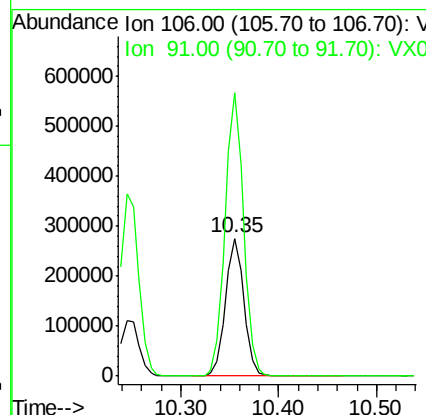
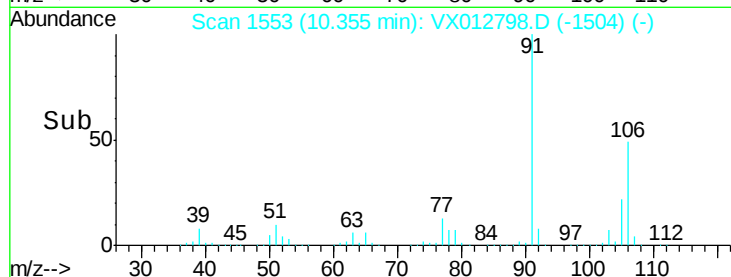
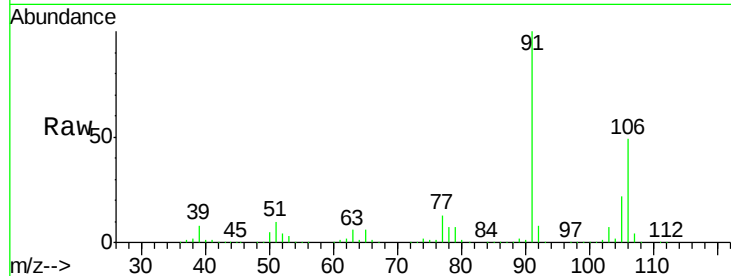
#68
m/p-Xylenes
Concen: 101.321 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion:106 Resp: 361959
Ion Ratio Lower Upper
106 100
91 205.6 166.6 250.0

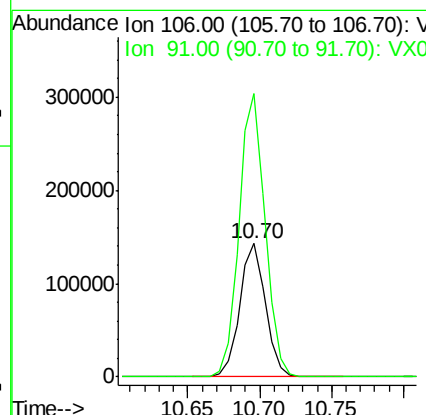
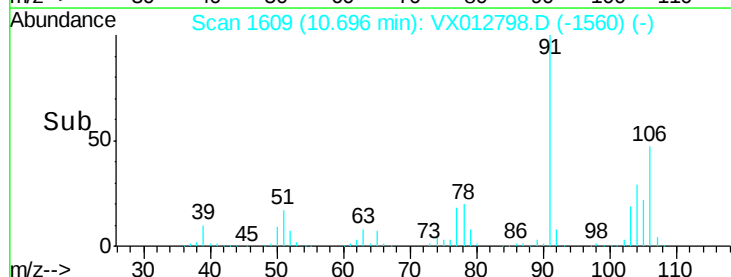
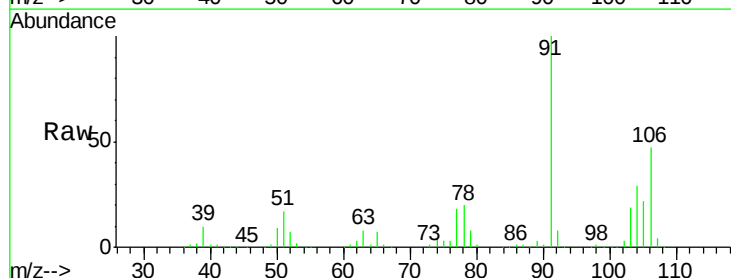
Manual Integrations
APPROVED

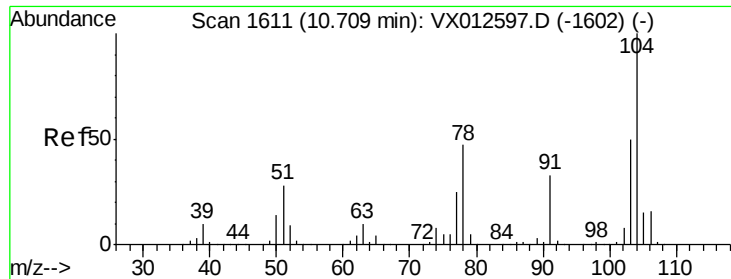
MMDadoda
10/4/2019 9:19:19 AM



#69
o-Xylene
Concen: 51.462 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion:106 Resp: 177890
Ion Ratio Lower Upper
106 100
91 215.4 109.4 328.2





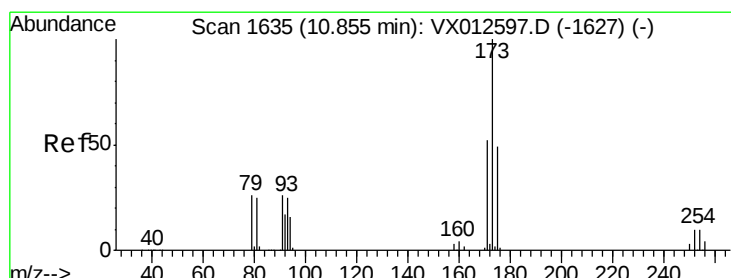
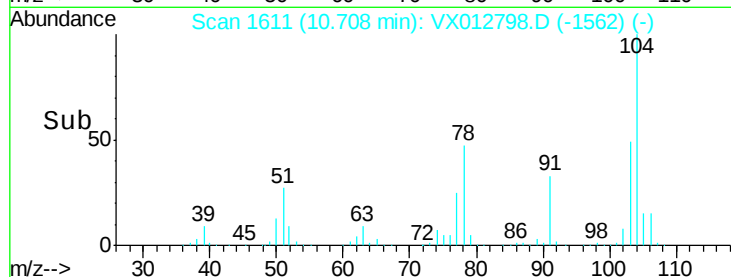
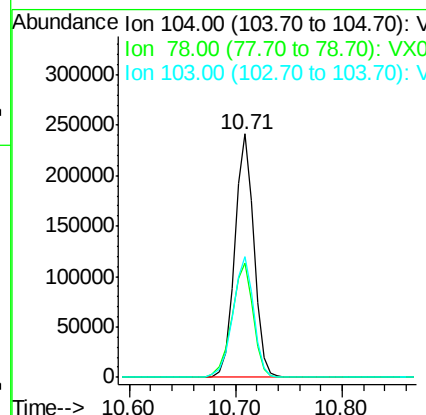
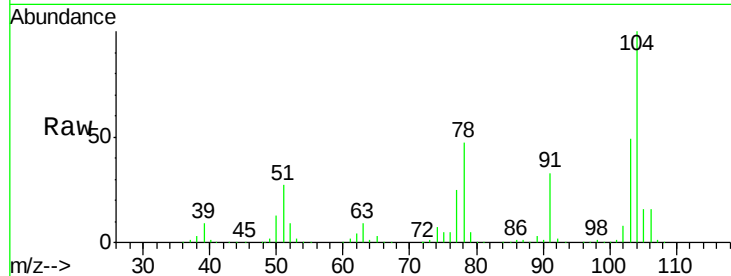
#70
Stvrene
Concen: 52.617 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	43.4	65.2
103	53.7	43.3	64.9

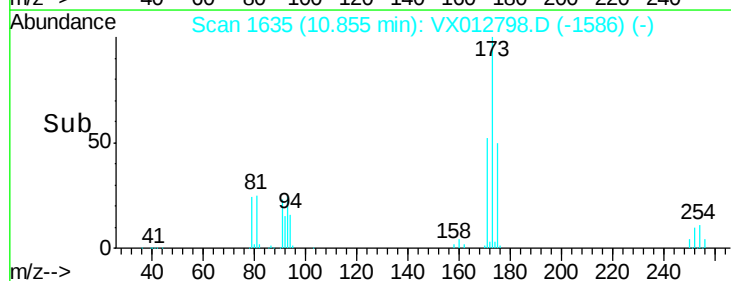
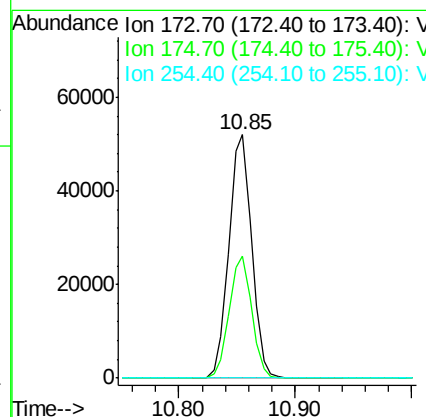
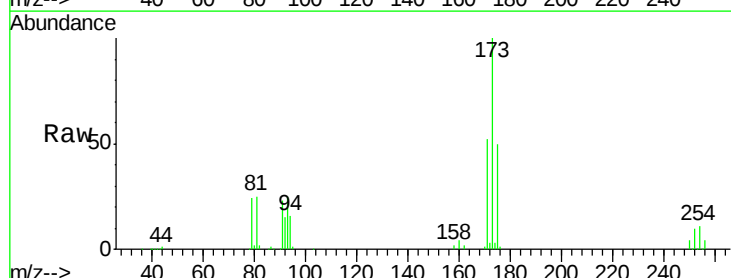
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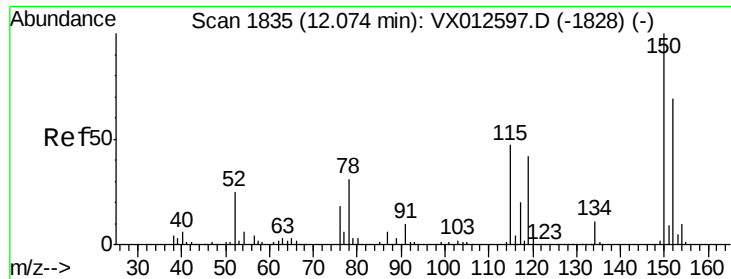
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10/4/2019 9:19:19 AM



#71
Bromoform
Concen: 53.043 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.7	71.1
254	0.1	0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

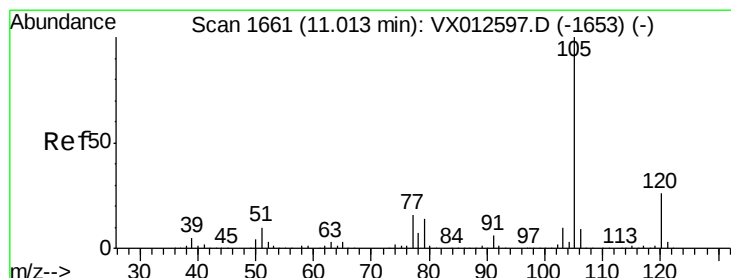
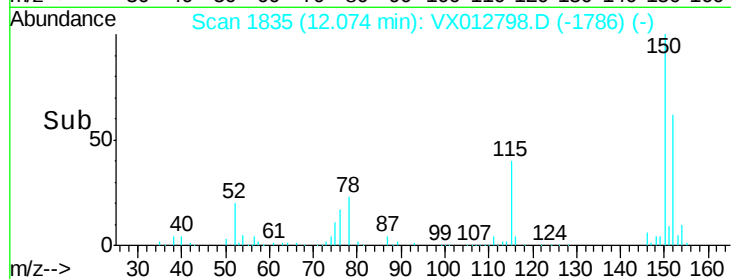
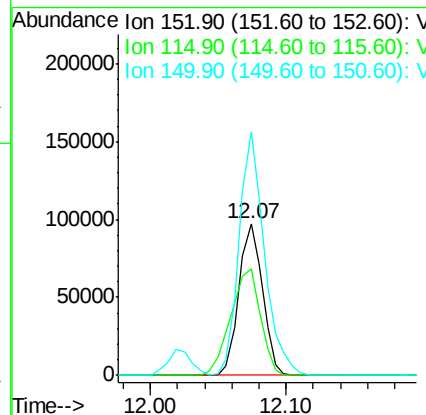
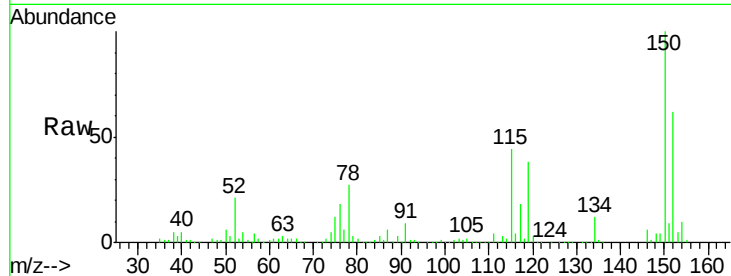
ClientSampleId :

S49-0539MS

Tot Ion:	152	Resp:	118269
Ion Ratio	Lower	Upper	
152	100		
115	88.3	44.1	132.3
150	171.6	0.0	343.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 49.014 ug/l

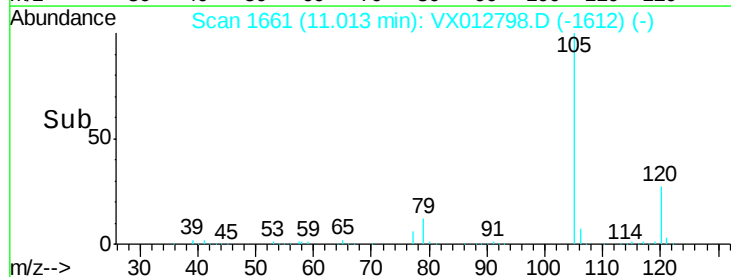
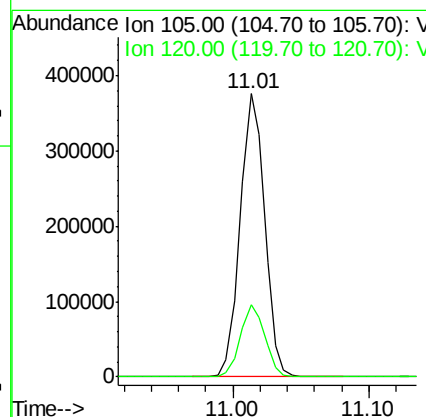
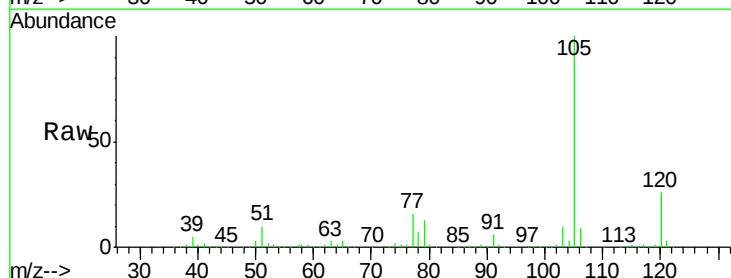
RT: 11.01 min Scan# 1661

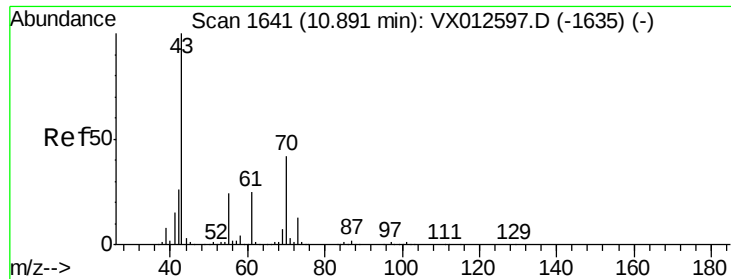
Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Tgt Ion:	105	Resp:	472131
Ion Ratio	Lower	Upper	
105	100		
120	25.4	12.9	38.7





#74

N-amvl acetate

Concen: 45.891 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

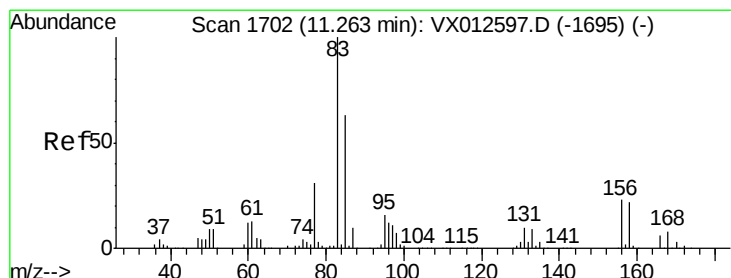
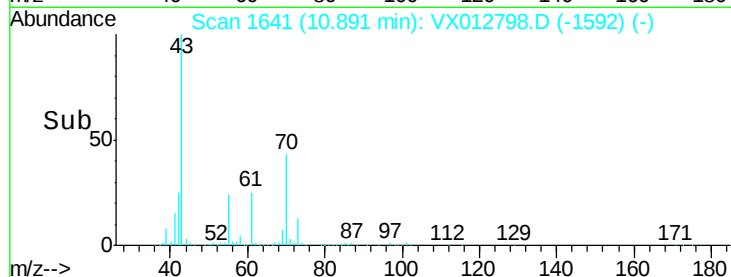
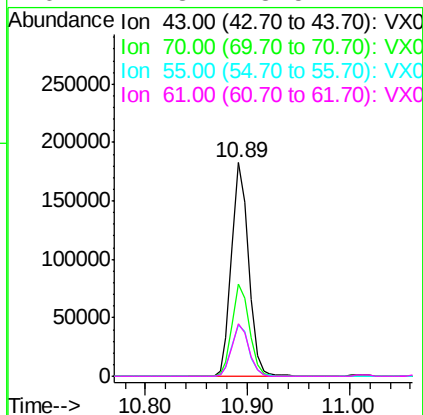
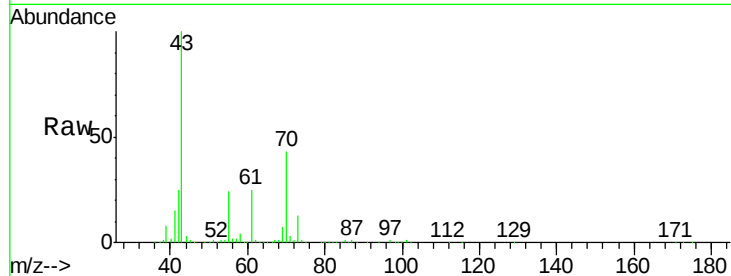
ClientSampleId :

S49-0539MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		210890		
70	43.7	32.4	48.6		
55	24.6	18.2	27.4		
61	24.3	18.5	27.7		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 52.228 ug/l

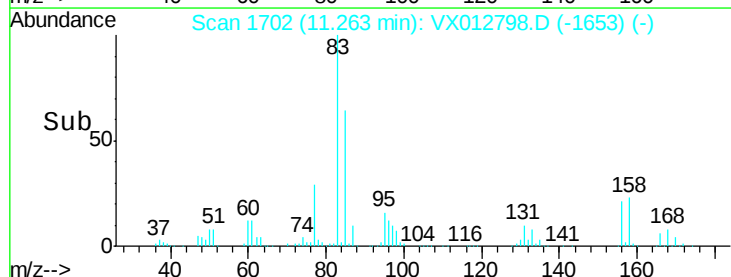
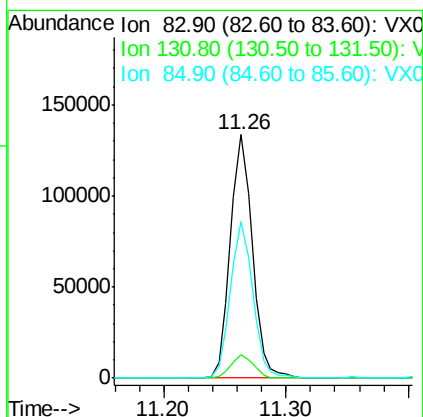
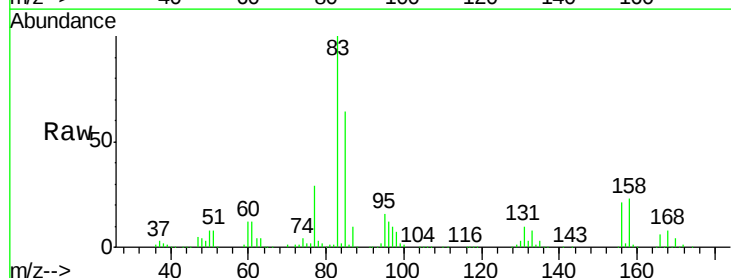
RT: 11.26 min Scan# 1702

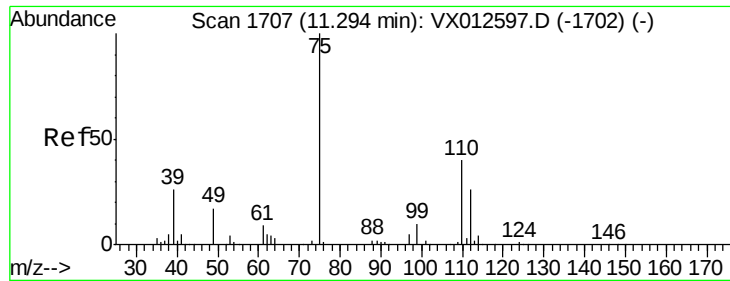
Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		166616		
131	9.6	5.2	15.6		
85	65.4	32.0	96.0		





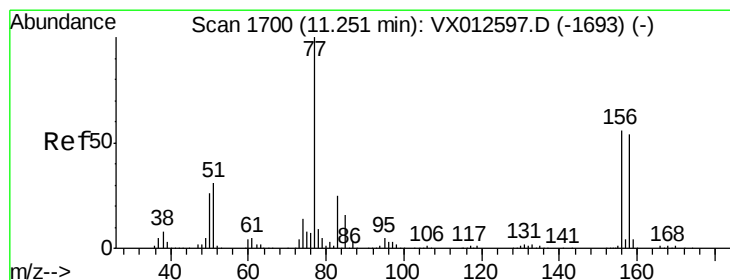
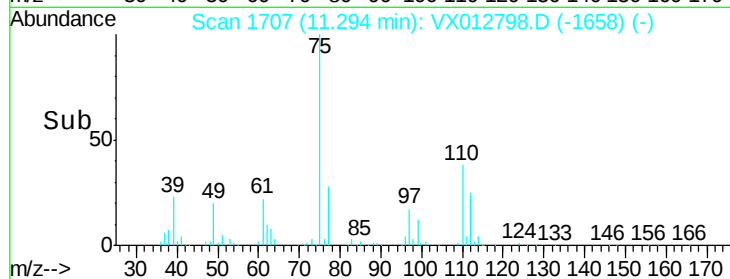
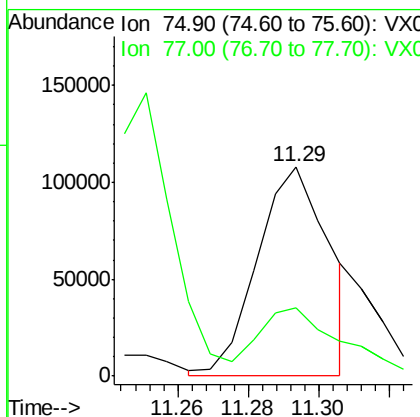
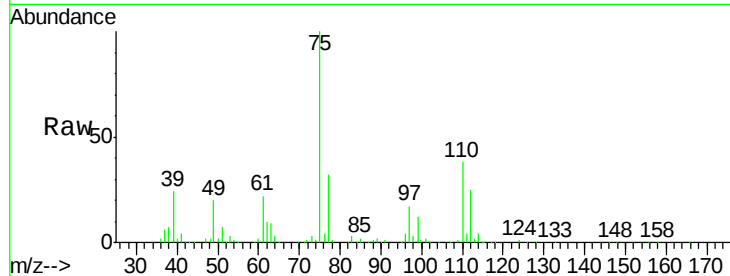
#76
1,2,3-Trichloropropane
Concen: 48.657 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion: 75 Resp: 152225
Ion Ratio Lower Upper
75 100
77 37.7 19.7 59.0

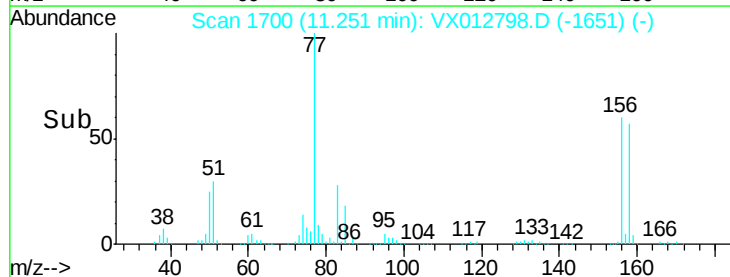
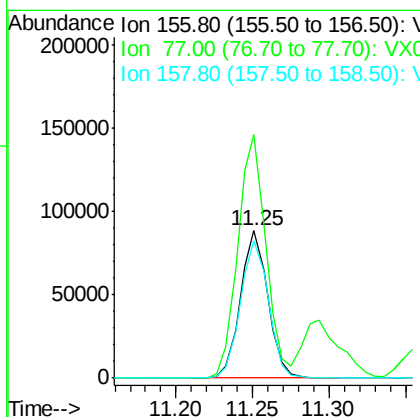
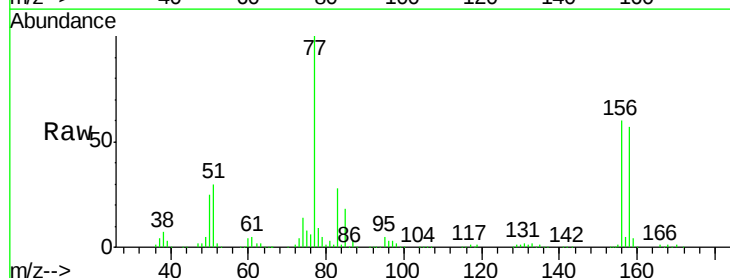
Manual Integrations
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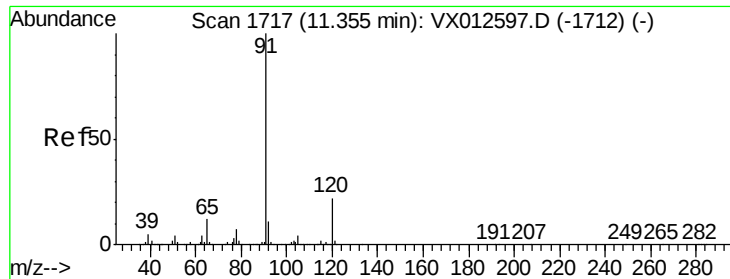
MMDadoda
10/4/2019 9:19:19 AM



#77
Bromobenzene
Concen: 50.083 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion: 156 Resp: 109188
Ion Ratio Lower Upper
156 100
77 169.9 87.3 261.8
158 96.0 48.5 145.6





#78

n-propylbenzene

Concen: 47.944 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012798.D

Acq: 03 Oct 2019 20:53

Instrument :

MSVOA_X

ClientSampled :

S49-0539MS

Tot Ion: 91 Resp: 519934

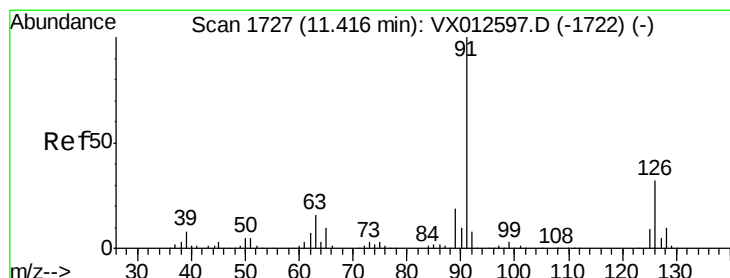
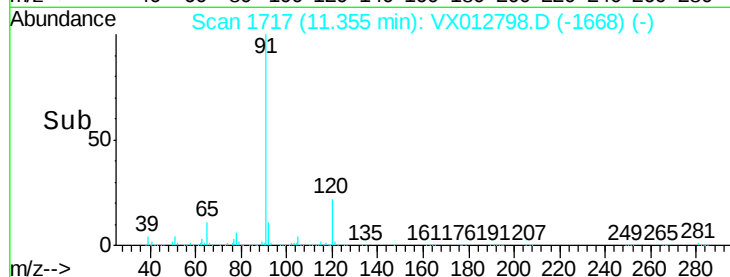
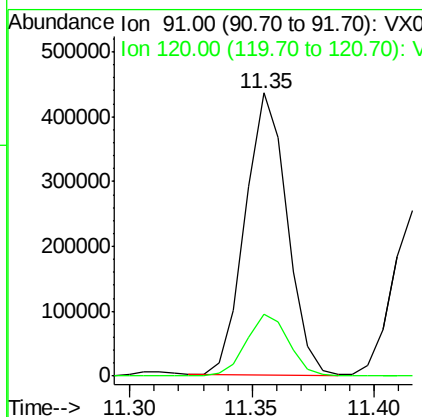
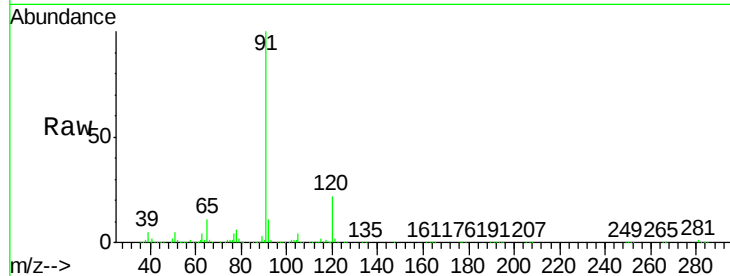
Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.8

Manual Integrations
APPROVED

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10/4/2019 9:19:19 AM



#79

2-Chlorotoluene

Concen: 47.352 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012798.D

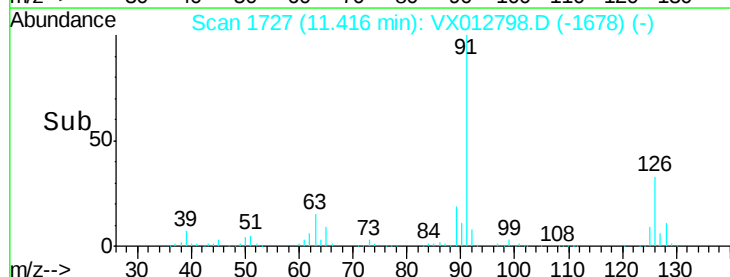
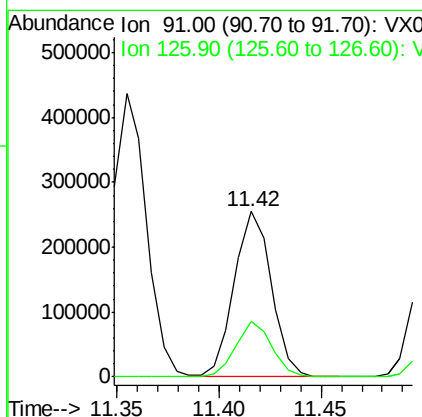
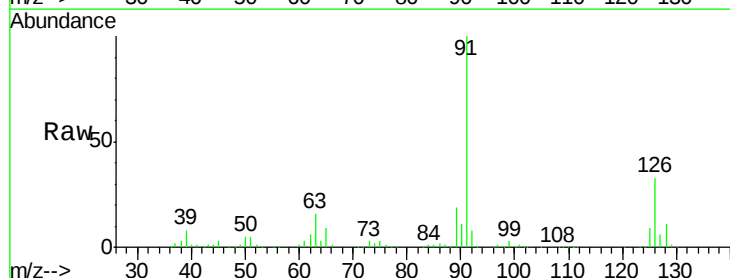
Acq: 03 Oct 2019 20:53

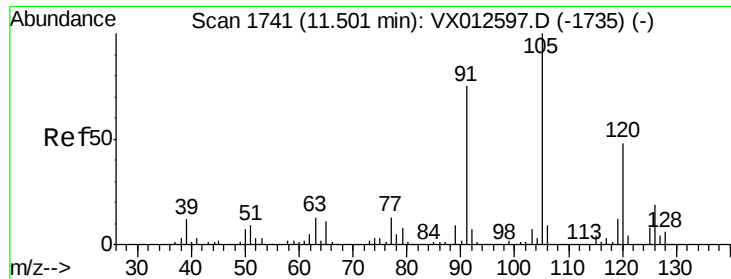
Tgt Ion: 91 Resp: 320344

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.4





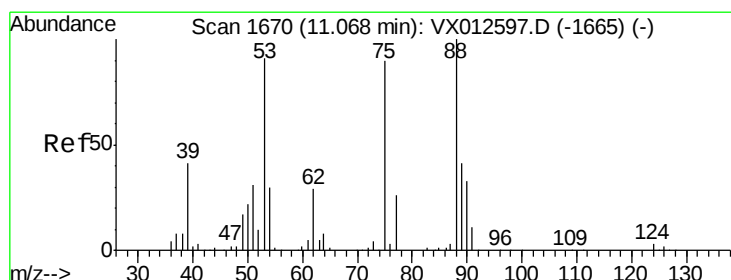
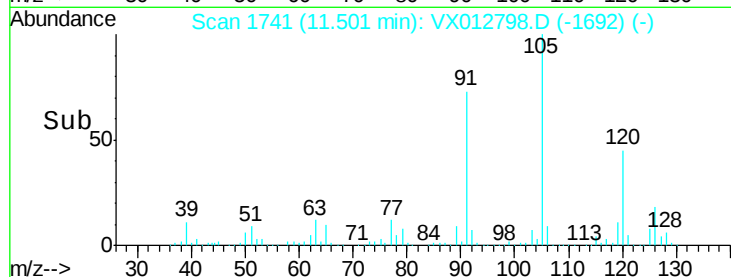
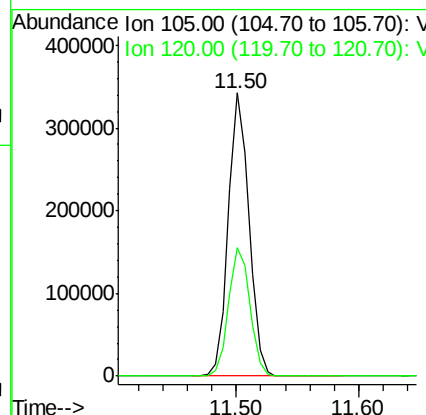
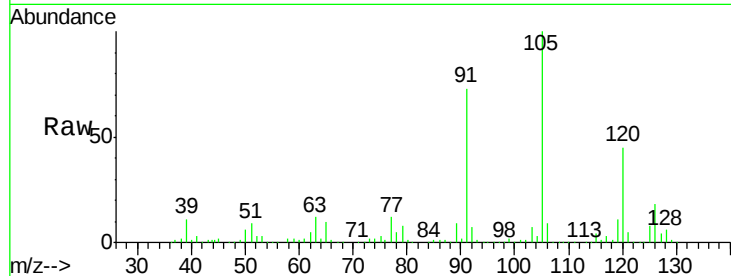
#80
 1,3,5-Trimethylbenzene
 Concen: 49.641 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Tot Ion:105 Resp: 400987
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.3 72.8

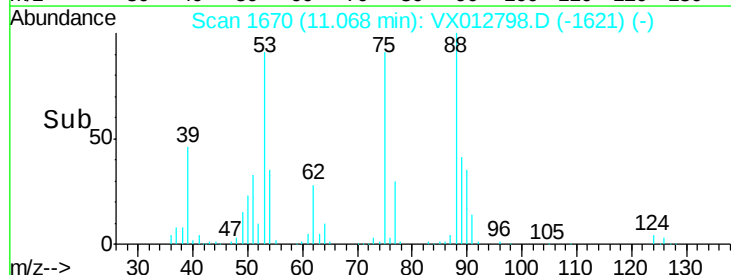
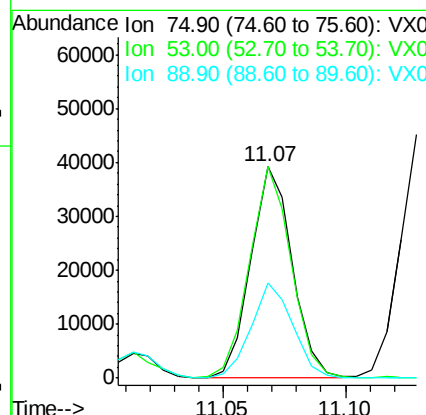
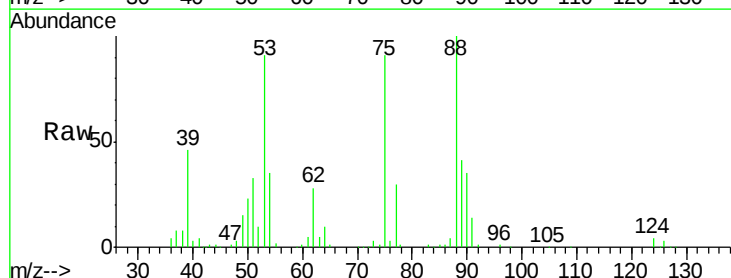
Manual Integrations
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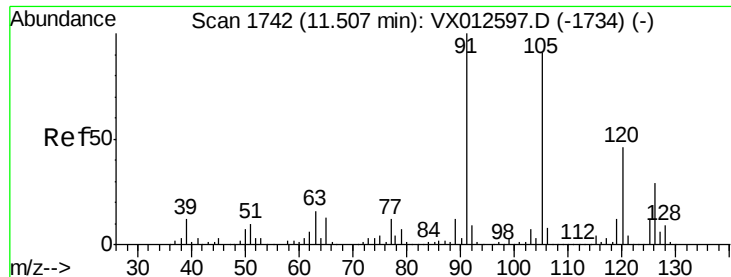
MMDadoda
 10/4/2019 9:19:19 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.201 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Tgt Ion: 75 Resp: 46070
 Ion Ratio Lower Upper
 75 100
 53 100.9 83.6 125.4
 89 45.7 36.3 54.5





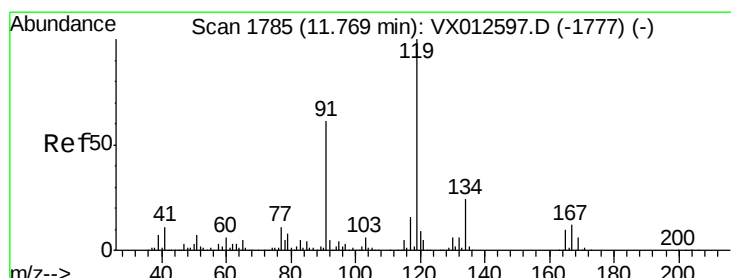
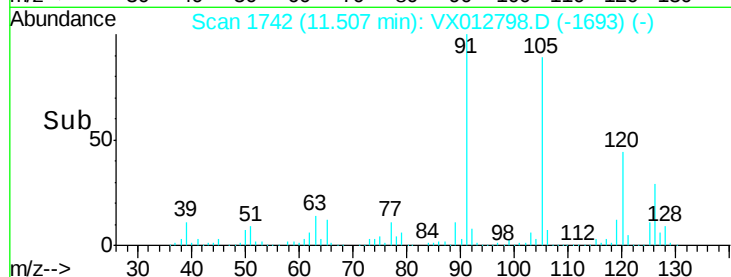
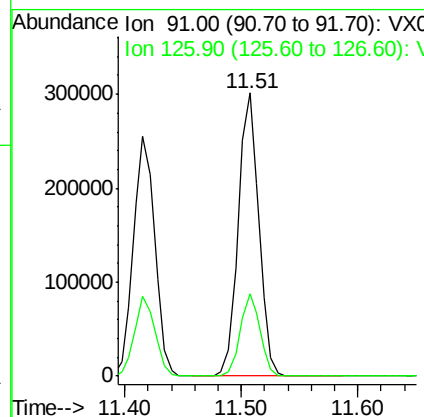
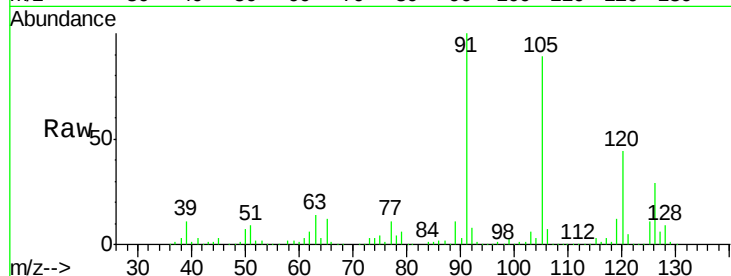
#82
4-Chlorotoluene
Concen: 48.187 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion: 91 Resp: 371615
Ion Ratio Lower Upper
91 100
126 28.1 14.4 43.0

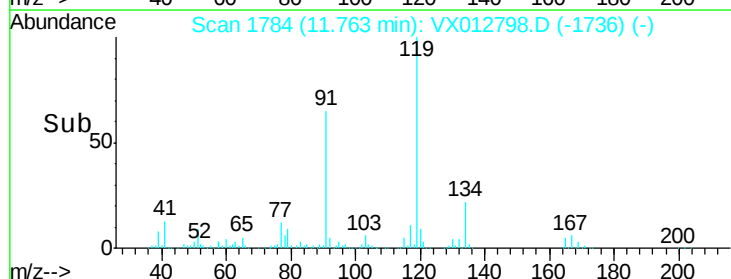
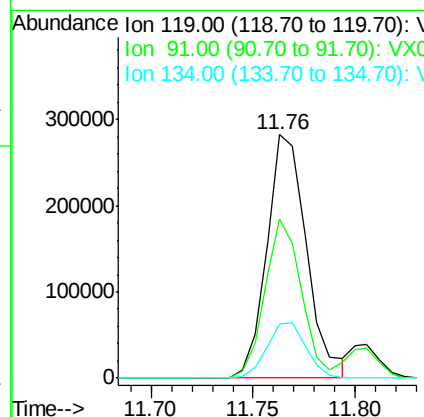
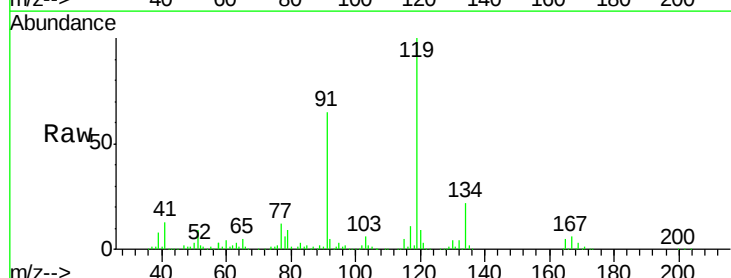
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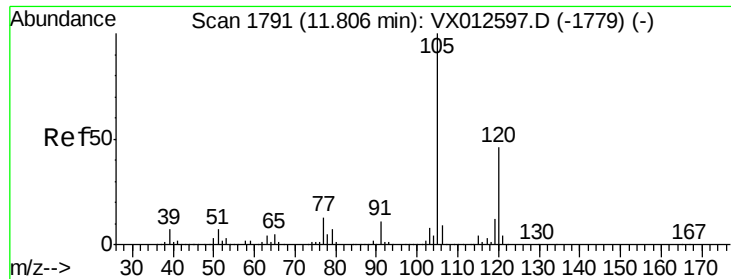
MMDadoda
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#83
tert-Butylbenzene
Concen: 49.436 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion: 119 Resp: 385209
Ion Ratio Lower Upper
119 100
91 59.6 30.0 90.0
134 22.5 11.3 33.9





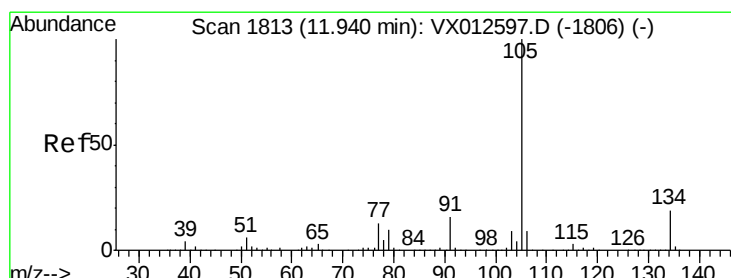
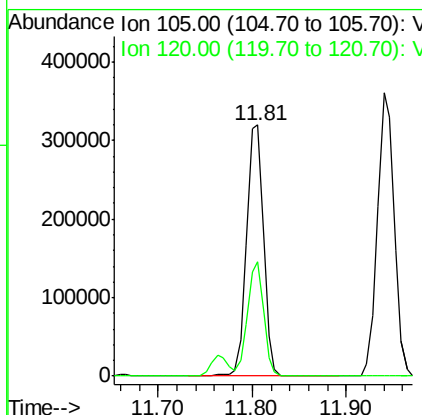
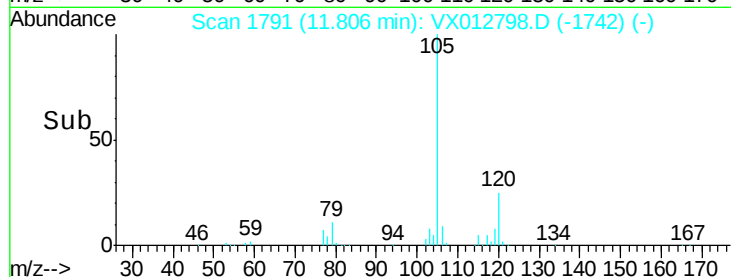
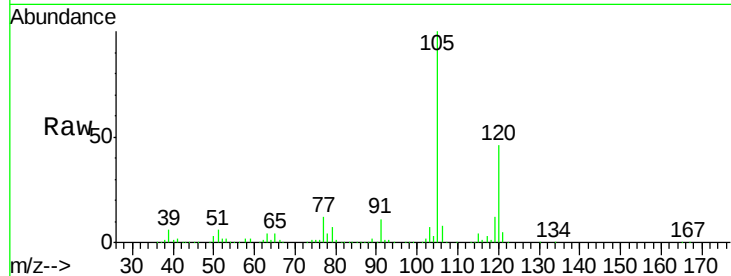
#84
 1,2,4-Trimethylbenzene
 Concen: 49.446 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	402918		
120	43.3	22.2	66.6	

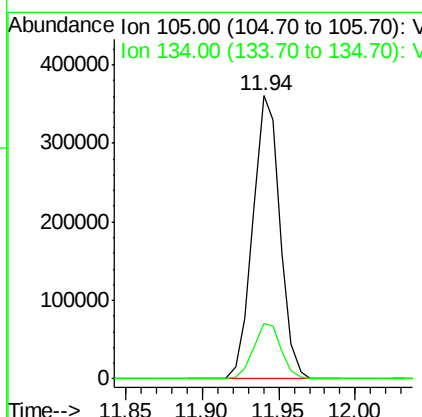
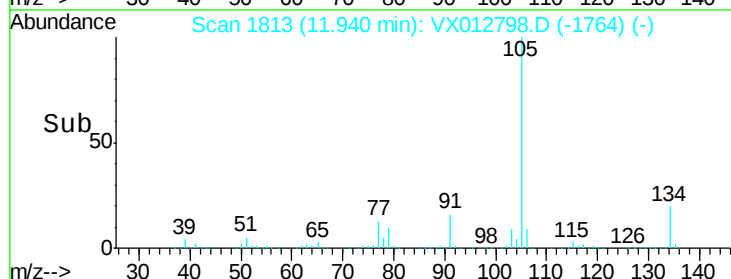
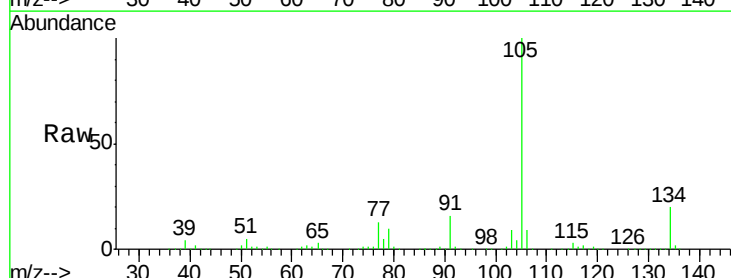
Manual Integrations
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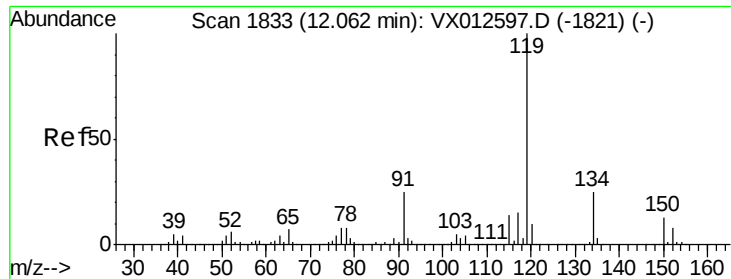
MMDadoda
 10/4/2019 9:19:19 AM



#85
 sec-Butylbenzene
 Concen: 49.045 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	444495		
134	19.8	9.8	29.4	





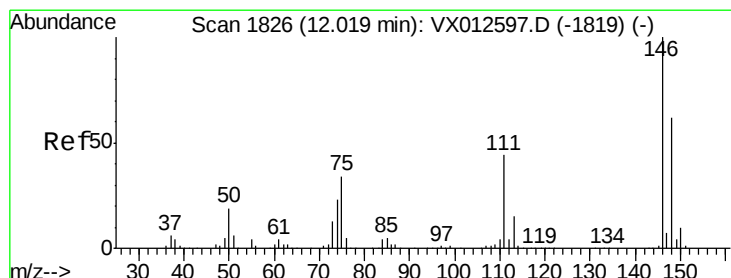
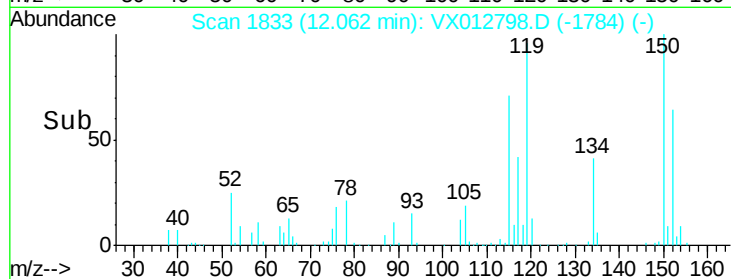
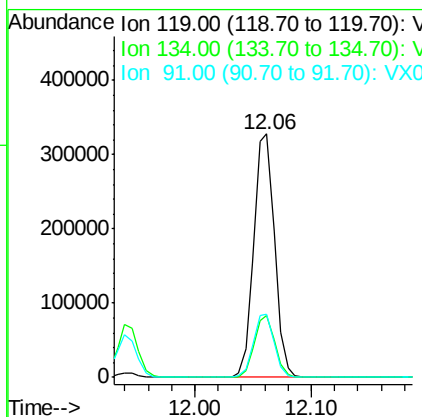
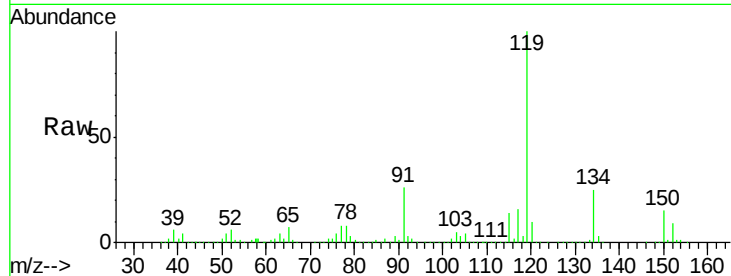
#86
p-Isopropyltoluene
Concen: 50.204 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	410556		
134	25.2	12.7	38.1	
91	25.7	12.8	38.4	

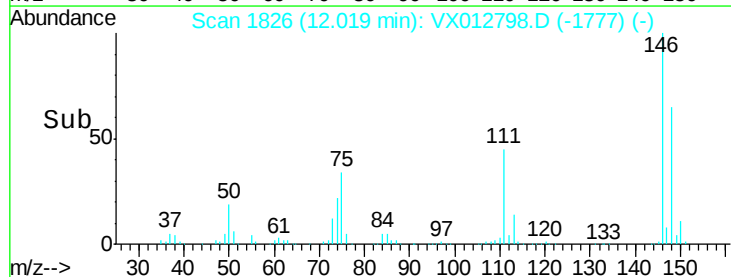
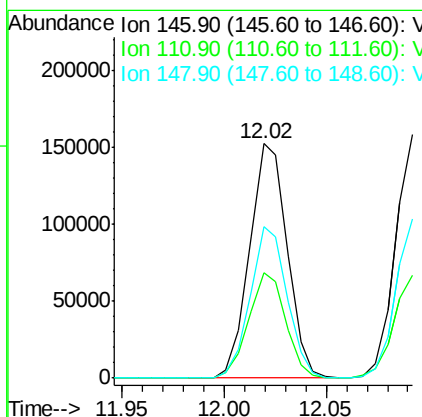
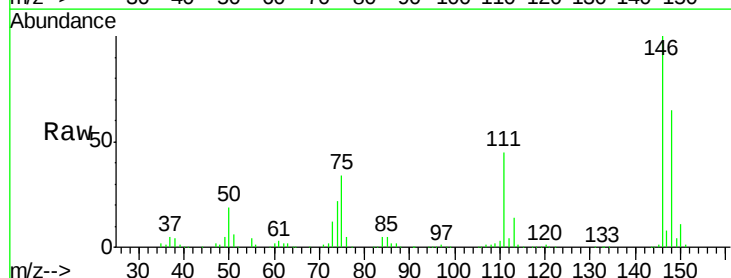
Manual Integrations
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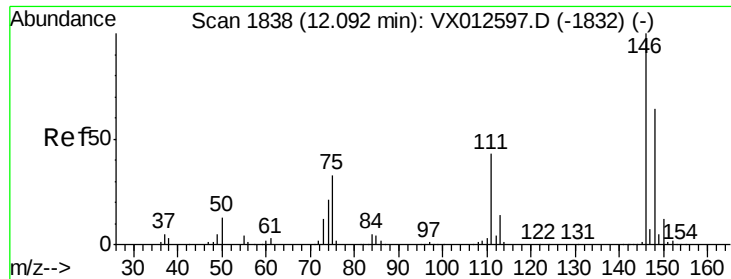
MMDadoda
10/4/2019 9:19:19 AM



#87
1,3-Dichlorobenzene
Concen: 49.904 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	195793		
111	44.1	21.3	64.0	
148	63.5	32.4	97.2	





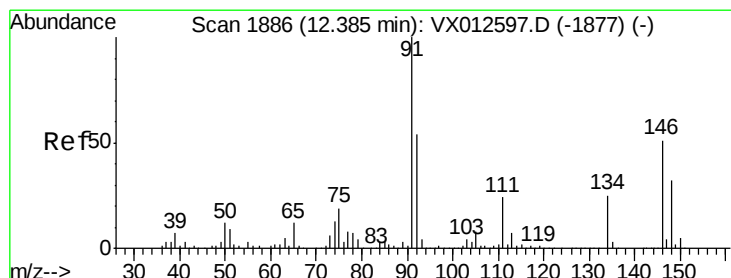
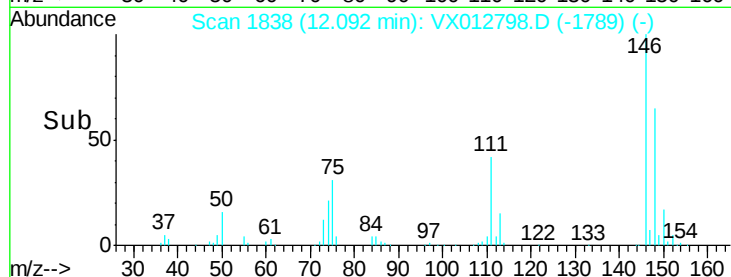
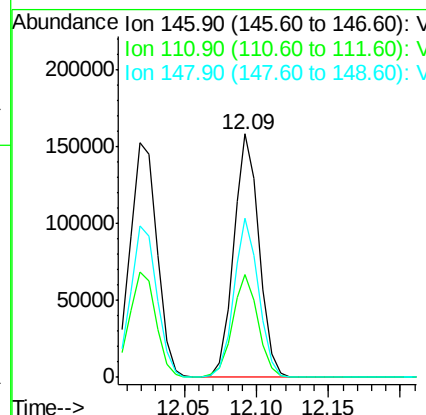
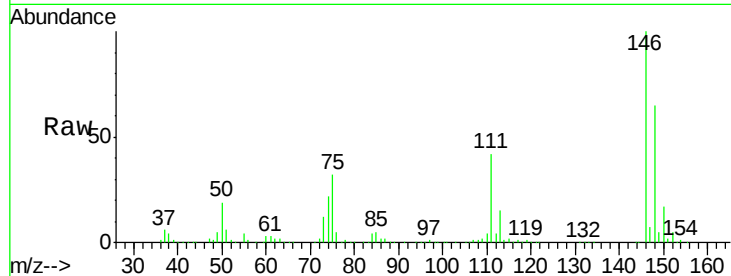
#88
 1,4-Dichlorobenzene
 Concen: 49.294 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	63.8	32.1	96.5

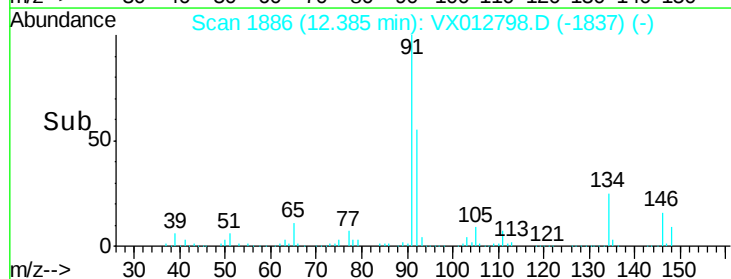
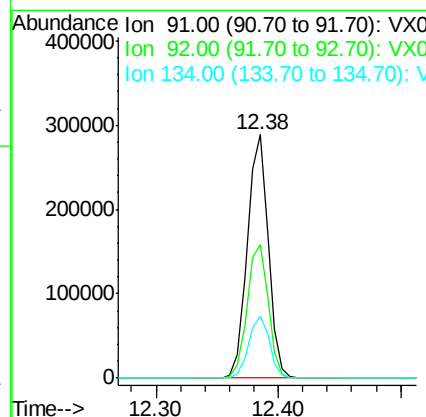
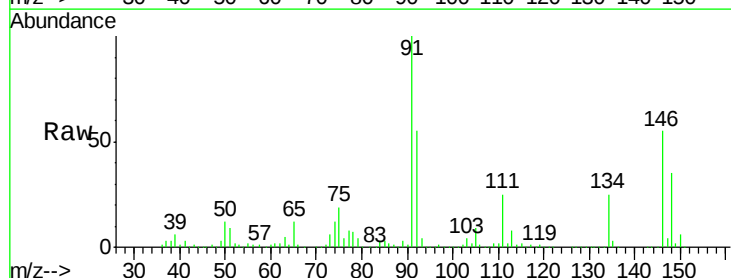
Manual Integrations
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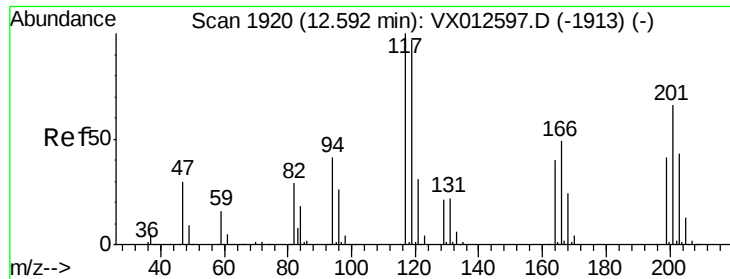
MMDadoda
 10/4/2019 9:19:19 AM



#89
 n-Butylbenzene
 Concen: 47.234 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.7	83.0
134	25.3	12.9	38.6





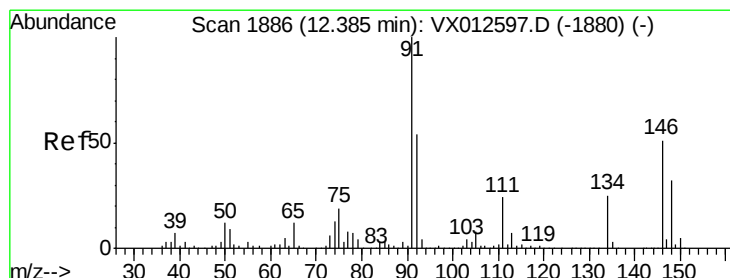
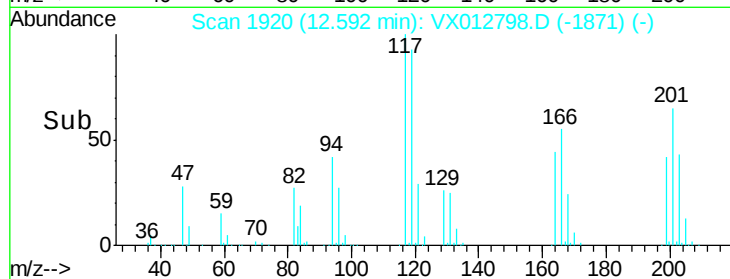
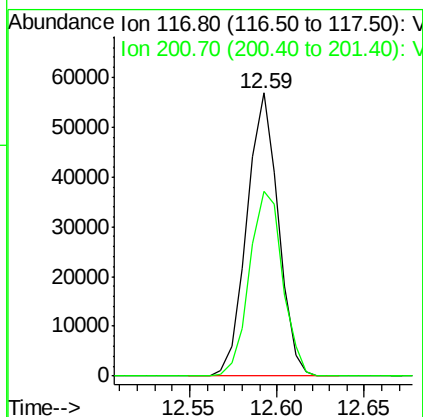
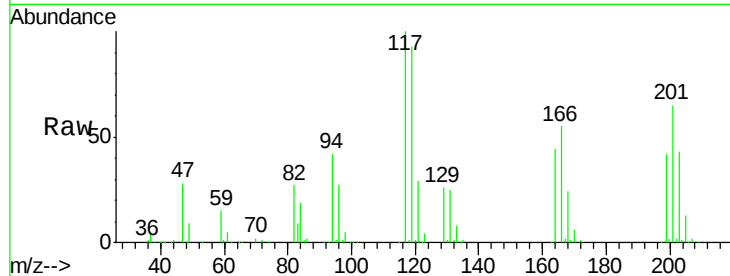
#90
Hexachloroethane
Concen: 48.807 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion:117 Resp: 71158
Ion Ratio Lower Upper
117 100
201 68.9 33.3 99.8

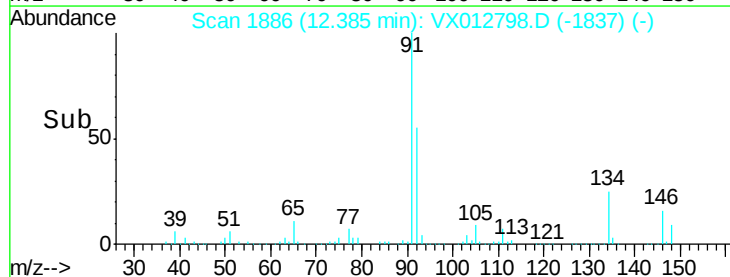
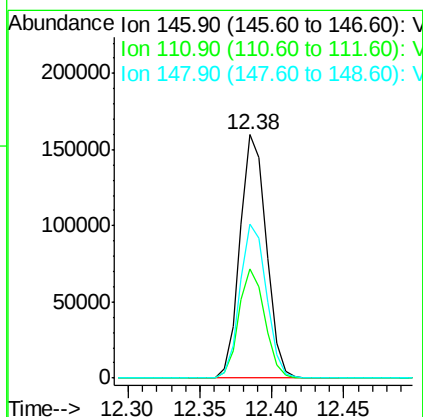
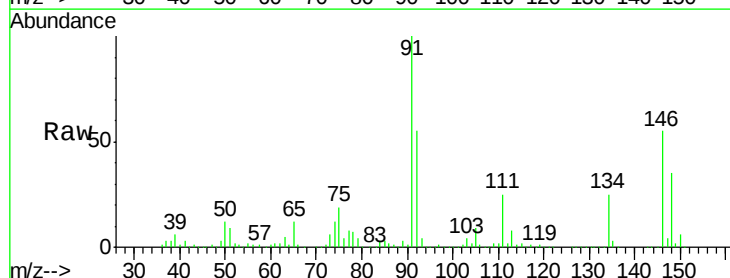
Manual Integrations
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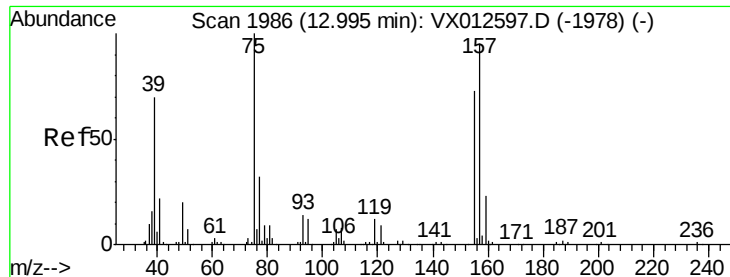
MMDadoda
10/4/2019 9:19:19 AM



#91
1,2-Dichlorobenzene
Concen: 51.693 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion:146 Resp: 203044
Ion Ratio Lower Upper
146 100
111 44.2 22.1 66.1
148 63.7 31.3 93.9





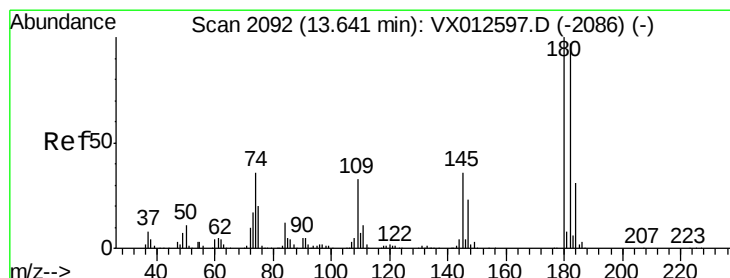
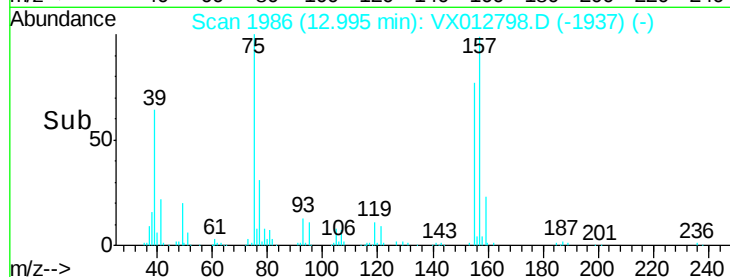
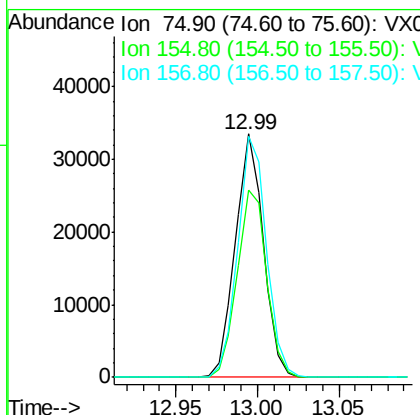
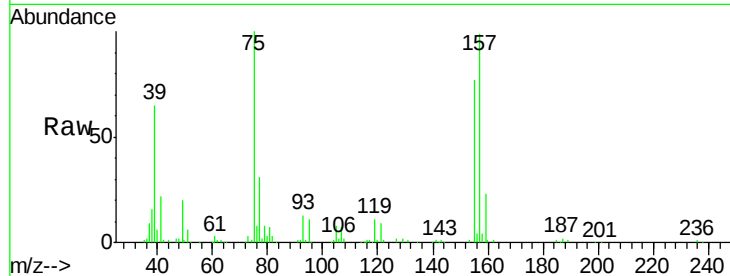
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.132 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.3	38.6	115.8
157	101.5	50.6	151.9

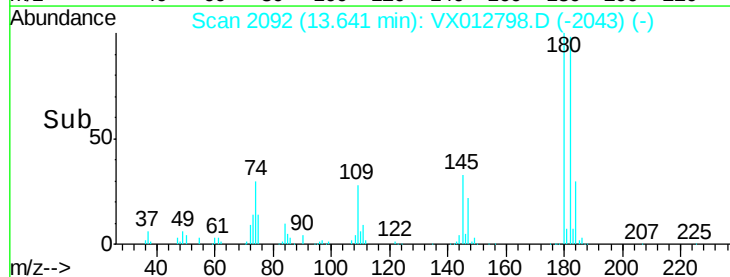
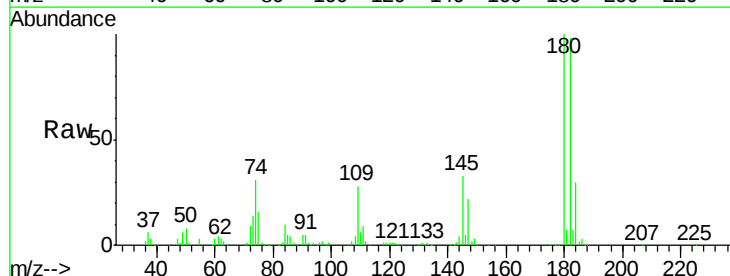
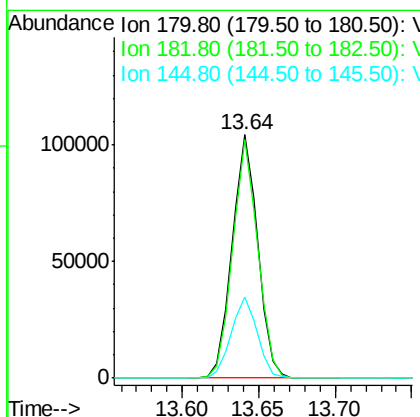
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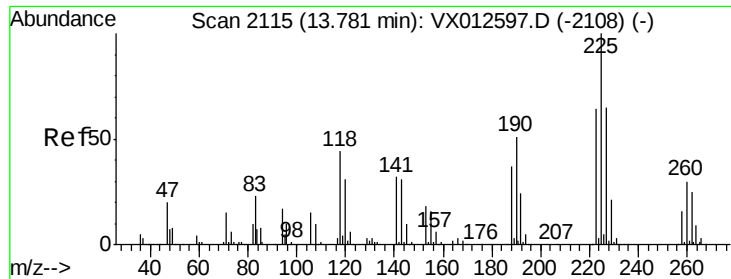
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#93
 1,2,4-Trichlorobenzene
 Concen: 50.603 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.0	141.0
145	34.0	16.8	50.4





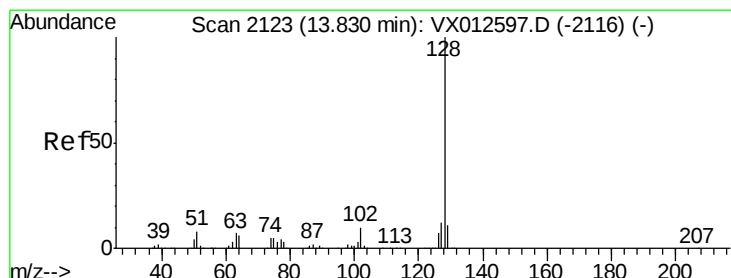
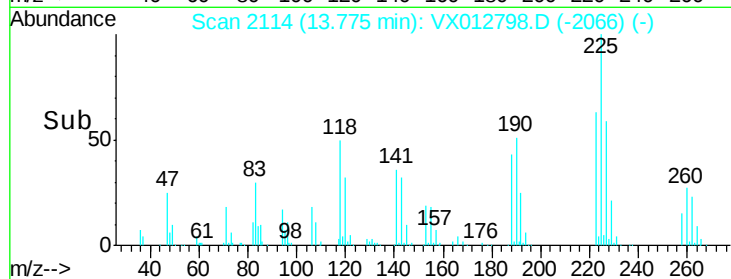
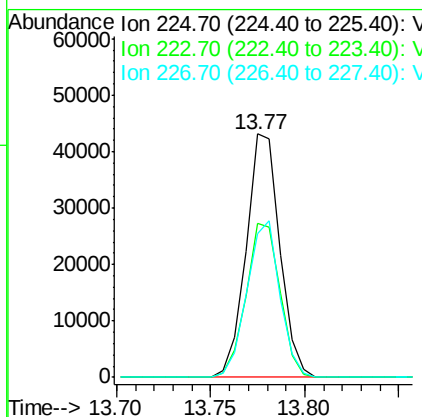
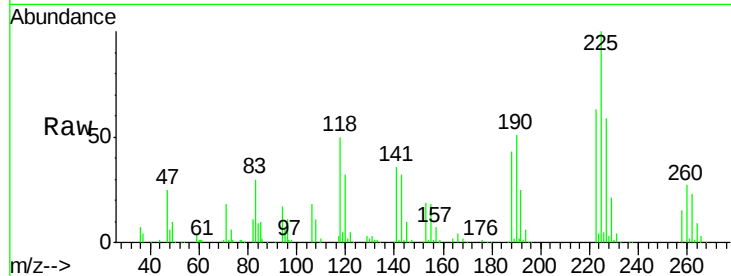
#94
Hexachlorobutadiene
Concen: 51.707 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Instrument :
MSVOA_X
ClientSampleId :
S49-0539MS

Tot Ion	Ratio	Resp	Lower	Upper
225	100	53285		
223	64.1		32.0	96.2
227	63.0		31.9	95.5

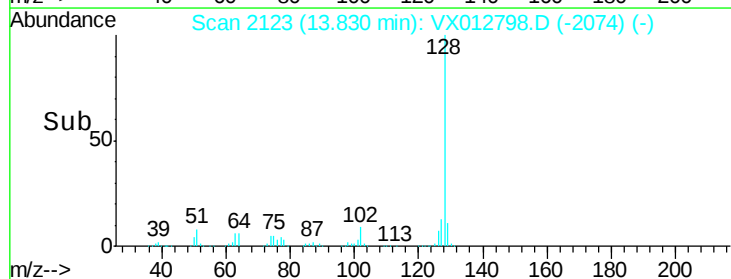
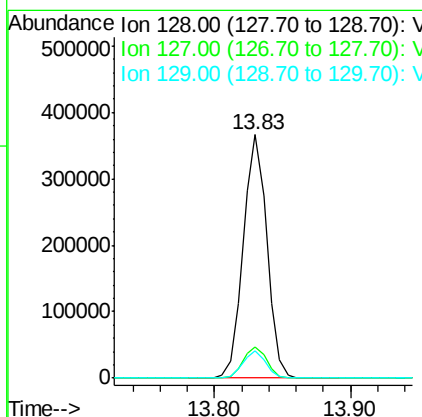
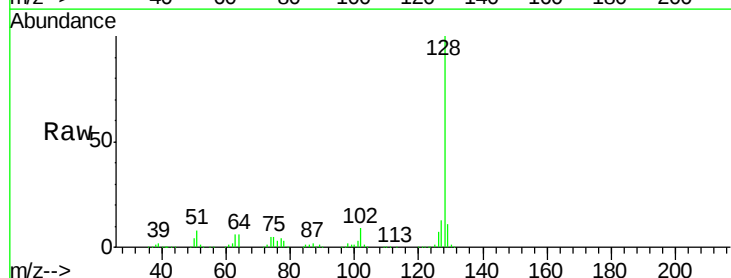
Manual Integrations
APPROVED

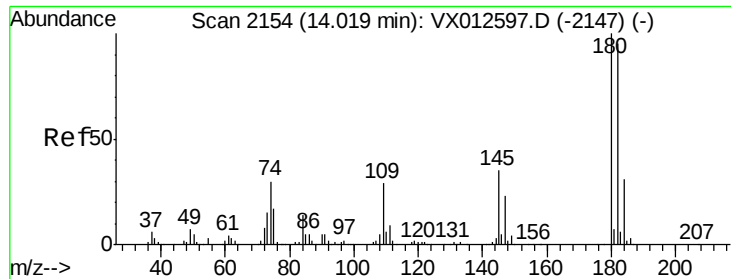
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#95
Naphthalene
Concen: 51.308 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012798.D
Acq: 03 Oct 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	444673		
127	12.9		10.2	15.4
129	10.8		8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 51.321 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX012798.D
 Acq: 03 Oct 2019 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0539MS

Tot Ion:	180	Resp:	123149
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.1	141.3
145	35.7	18.0	54.0

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 9:19:19 AM

