

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031419\
 Data File : VX008100.D
 Acq On : 15 Mar 2019 05:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:06:32 AM

Quant Time: Mar 15 05:50:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382183	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	337698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	125189	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	5.51	113	116435	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	8.71	98	429734	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
62) 4-Bromofluorobenzene	11.13	95	151063	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	96806	46.876	ug/l	98
3) Chloromethane	1.33	50	97561	40.123	ug/l	100
4) Vinyl Chloride	1.41	62	101070	43.562	ug/l	100
5) Bromomethane	1.64	94	53697	47.582	ug/l	100
6) Chloroethane	1.72	64	61380	49.132	ug/l	98
7) Trichlorofluoromethane	1.93	101	133200	47.834	ug/l	99
8) Diethyl Ether	2.19	74	73527	53.118	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102664	49.329	ug/l	96
10) Methyl Iodide	2.51	142	172039	59.172	ug/l	97
11) Tert butyl alcohol	3.07	59	134081	266.669	ug/l	100
12) 1,1-Dichloroethene	2.37	96	104579	53.165	ug/l	93
13) Acrolein	2.30	56	95449	206.090	ug/l	98
14) Allyl chloride	2.73	41	175579	49.005	ug/l	96
15) Acrylonitrile	3.15	53	320647	261.529	ug/l	99
16) Acetone	2.45	43	259877	211.516	ug/l	99
17) Carbon Disulfide	2.57	76	296151	52.435	ug/l	99
18) Methyl Acetate	2.78	43	144570	54.441	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	350450	52.694	ug/l	97
20) Methylene Chloride	2.86	84	114734	52.286	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	111251	52.492	ug/l	91
22) Diisopropyl ether	3.87	45	369214	51.854	ug/l	97
23) Vinyl Acetate	3.82	43	1585913	261.894	ug/l	97
24) 1,1-Dichloroethane	3.70	63	208662	53.461	ug/l	99
25) 2-Butanone	4.70	43	456883	242.263	ug/l	96
26) 2,2-Dichloropropane	4.59	77	108840	36.501	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	130441	51.776	ug/l	93
28) Bromochloromethane	5.02	49	94831	51.443	ug/l	88
29) Tetrahydrofuran	5.15	42	302780	257.186	ug/l	94
30) Chloroform	5.21	83	204446	51.712	ug/l	99
31) Cyclohexane	5.57	56	184817	49.667	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	174440	52.381	ug/l	98
36) 1,1-Dichloropropene	5.80	75	152355	48.457	ug/l	98
37) Ethyl Acetate	4.85	43	172027	50.908	ug/l	98
38) Carbon Tetrachloride	5.78	117	154267	50.975	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	181313	45.115	ug/l	98
40) Benzene	6.14	78	481017	49.939	ug/l	99
41) Methacrylonitrile	5.06	41	96389	48.992	ug/l	97
42) 1,2-Dichloroethane	6.20	62	152610	49.528	ug/l	99
43) Isopropyl Acetate	6.46	43	266630	48.995	ug/l	97
44) Trichloroethene	7.21	130	140164	50.422	ug/l	95
45) 1,2-Dichloropropane	7.51	63	123438	48.577	ug/l	99
46) Dibromomethane	7.66	93	81513	51.180	ug/l	97
47) Bromodichloromethane	7.90	83	150032	49.532	ug/l	99
48) Methyl methacrylate	7.77	41	138555	48.749	ug/l	95
49) 1,4-Dioxane	7.75	88	61270	999.495	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	854391	238.215	ug/l	97
52) Toluene	8.79	92	299035	48.841	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	157362	47.392	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	177392	48.070	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	123386	49.493	ug/l	98
56) Ethyl methacrylate	9.18	69	184789	50.180	ug/l	94
57) 1,3-Dichloropropane	9.37	76	200117	48.505	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	514816	237.633	ug/l	96
59) 2-Hexanone	9.49	43	649081	231.402	ug/l	97
60) Dibromochloromethane	9.59	129	128379	49.964	ug/l	98
61) 1,2-Dibromoethane	9.67	107	131396	50.300	ug/l	100
64) Tetrachloroethene	9.34	164	140696	51.421	ug/l	97
65) Chlorobenzene	10.14	112	330242	49.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	123743	52.030	ug/l	100
67) Ethyl Benzene	10.25	91	551873	49.753	ug/l	99
68) m/p-Xylenes	10.36	106	428556	100.969	ug/l	100
69) o-Xylene	10.70	106	210059	50.768	ug/l	98
70) Styrene	10.71	104	348570	51.424	ug/l	99
71) Bromoform	10.85	173	102700	52.180	ug/l	# 99
73) Isopropylbenzene	11.02	105	558284	50.986	ug/l	100
74) N-amyl acetate	10.90	43	222996	48.278	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	175190	48.830	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	168717m	56.825	ug/l	
77) Bromobenzene	11.26	156	150791	50.453	ug/l	96
78) n-propylbenzene	11.36	91	603574	50.243	ug/l	99
79) 2-Chlorotoluene	11.42	91	363771	49.583	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	459780	50.957	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	47939	45.946	ug/l	97
82) 4-Chlorotoluene	11.51	91	419027	49.869	ug/l	99
83) tert-Butylbenzene	11.77	119	456736	50.513	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	473296	50.853	ug/l	100
85) sec-Butylbenzene	11.94	105	546847	50.761	ug/l	100
86) p-Isopropyltoluene	12.06	119	494560	50.760	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	264537	49.733	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	263258	48.740	ug/l	100
89) n-Butylbenzene	12.39	91	385649	47.304	ug/l	99
90) Hexachloroethane	12.60	117	78450	50.311	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	263798	49.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37531	51.741	ug/l	91

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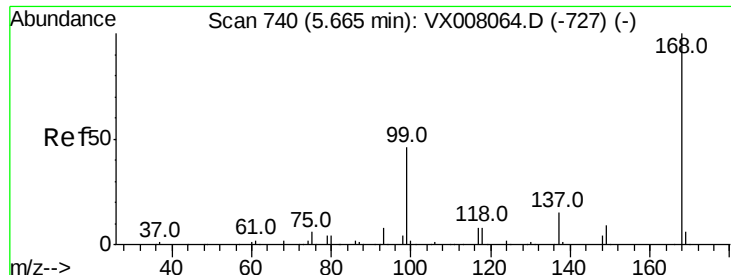
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	185592	49.646	ug/l	99
94) Hexachlorobutadiene	13.78	225	95478	47.009	ug/l	99
95) Naphthalene	13.83	128	565747	53.822	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	188816	51.307	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 257994

Ion Ratio Lower Upper

168 100

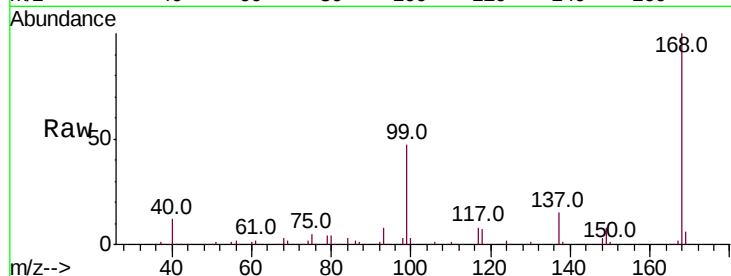
99 47.2 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

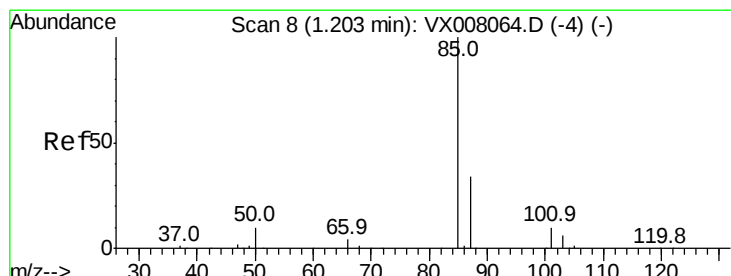
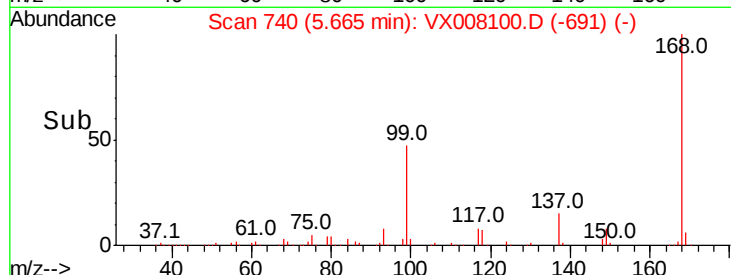
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.876 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008100.D

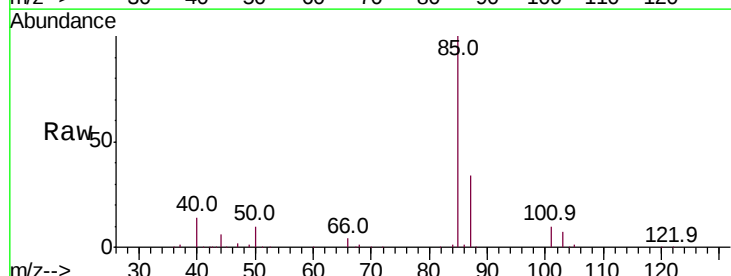
Acq: 15 Mar 2019 05:06

Tgt Ion: 85 Resp: 96806

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

40000

20000

0

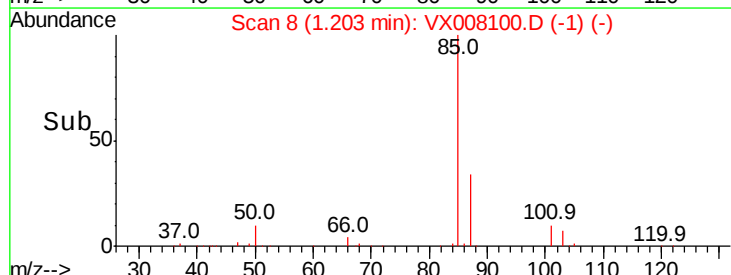
1.15

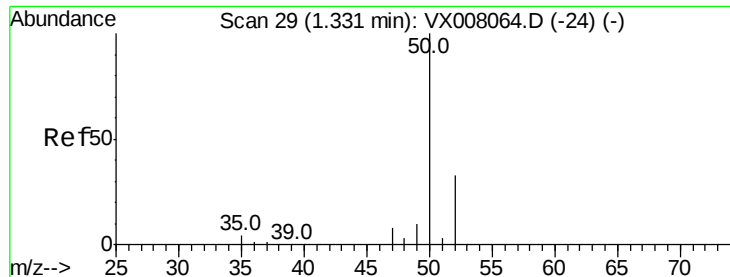
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 40.123 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 97561

Ion Ratio Lower Upper

50 100

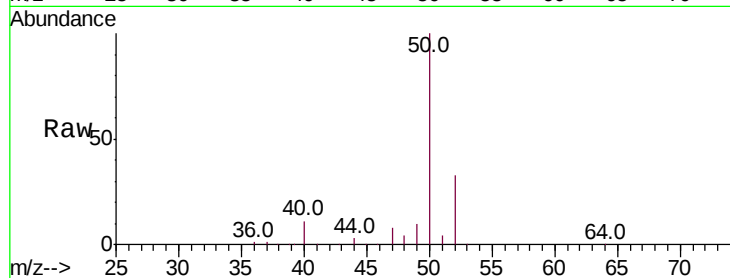
52 32.9 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

100000

80000

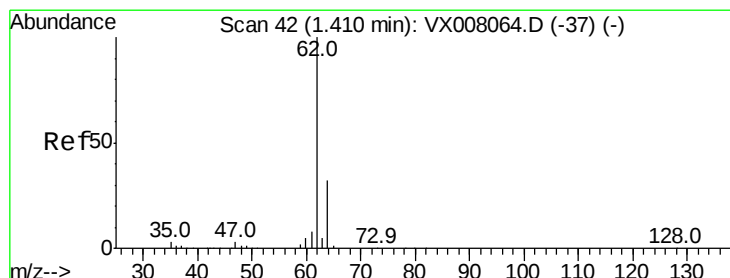
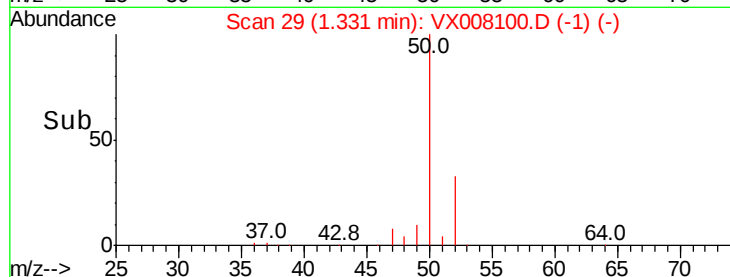
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 43.562 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008100.D

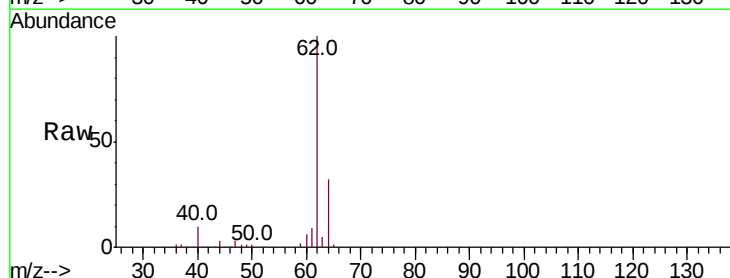
Acq: 15 Mar 2019 05:06

Tgt Ion: 62 Resp: 101070

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

120000

100000

80000

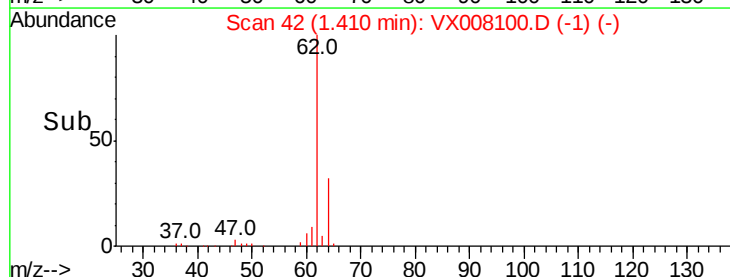
60000

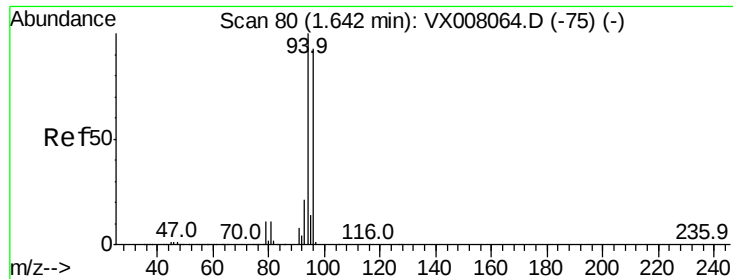
40000

20000

0

Time-->





#5

Bromomethane

Concen: 47.582 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 53697

Ion Ratio Lower Upper

94 100

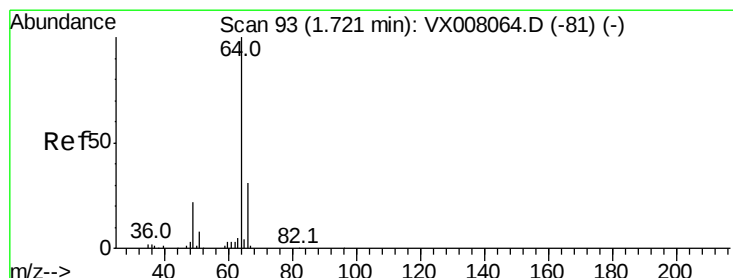
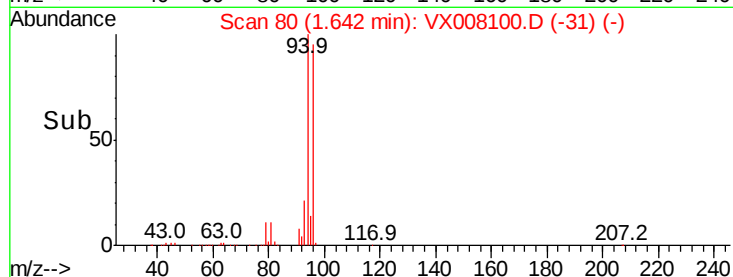
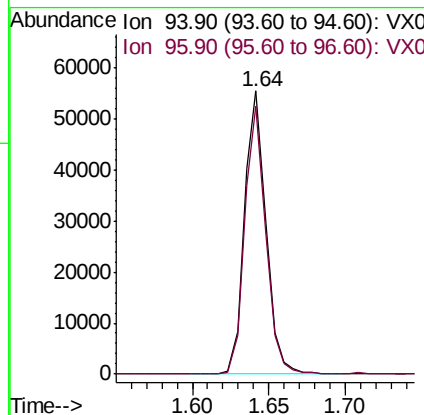
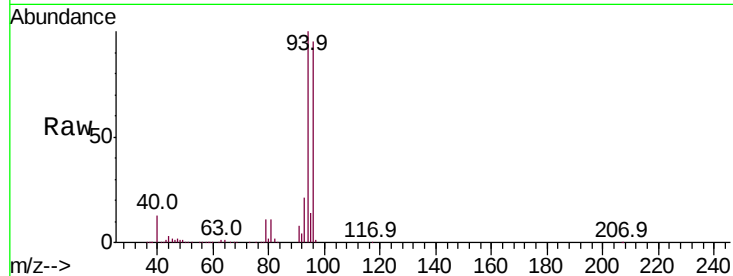
96 94.7 75.5 113.3

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#6

Chloroethane

Concen: 49.132 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008100.D

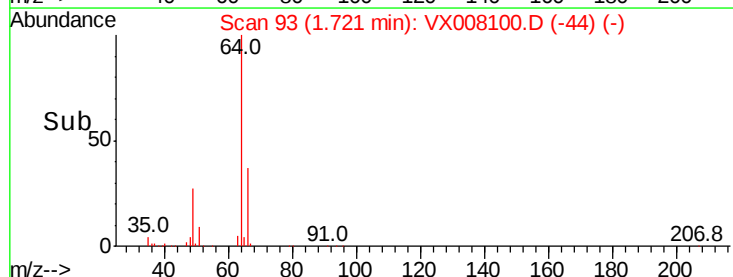
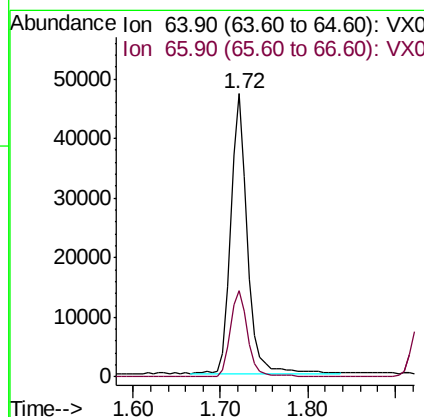
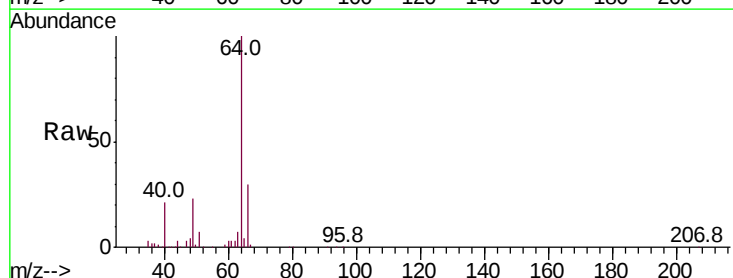
Acq: 15 Mar 2019 05:06

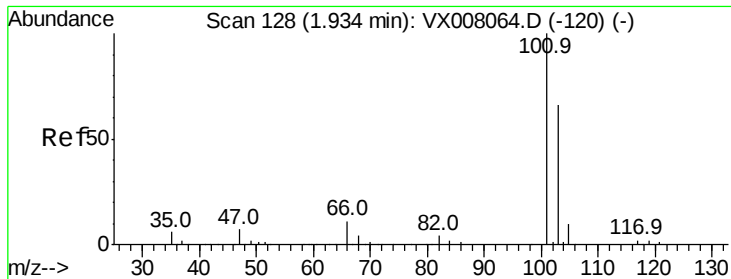
Tgt Ion: 64 Resp: 61380

Ion Ratio Lower Upper

64 100

66 30.6 25.2 37.8





#7

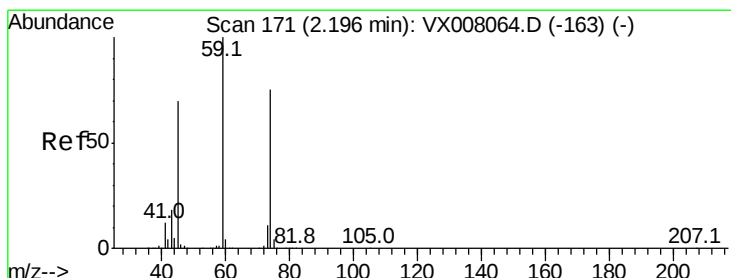
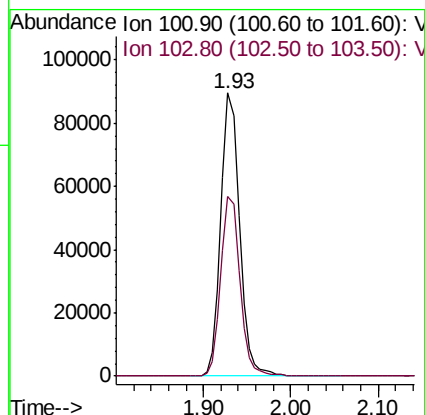
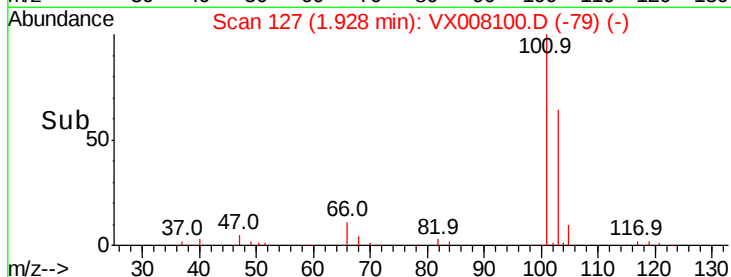
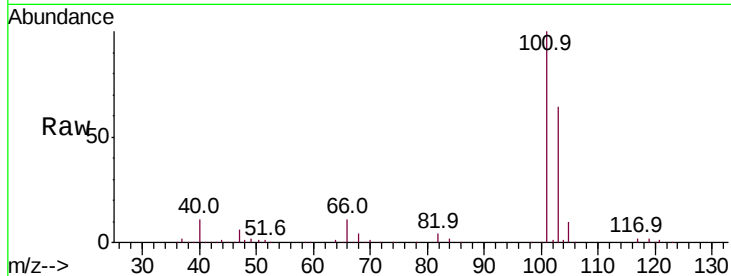
Trichlorofluoromethane
Concen: 47.834 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 133200
Ion Ratio Lower Upper
101 100
103 63.5 50.4 75.6

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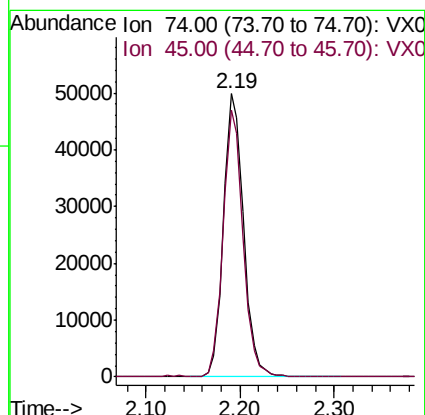
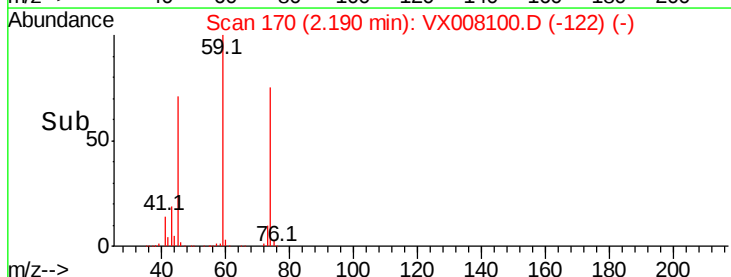
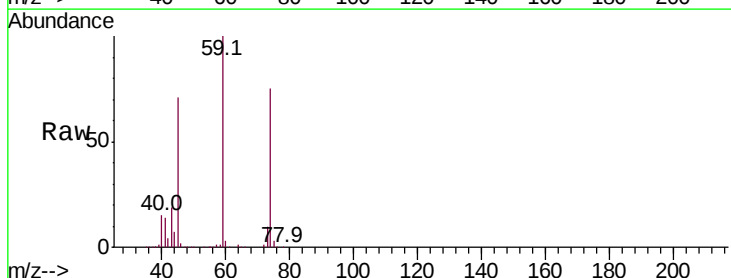
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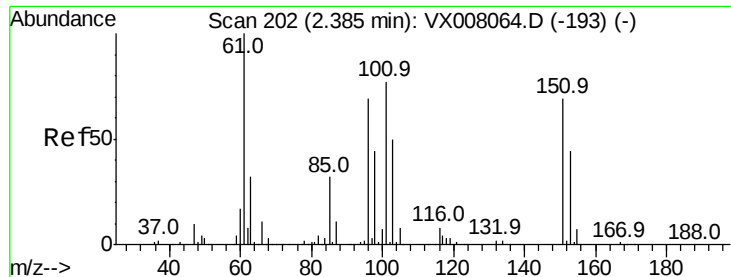


#8

Diethyl Ether
Concen: 53.118 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion: 74 Resp: 73527
Ion Ratio Lower Upper
74 100
45 93.7 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.329 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

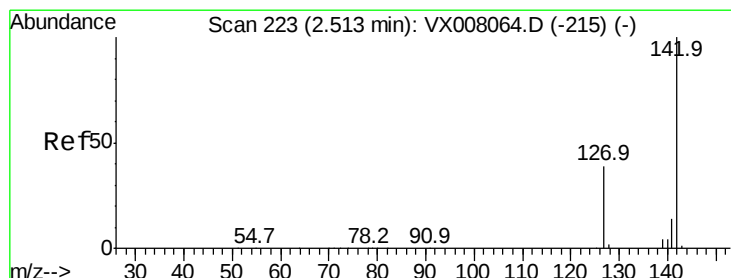
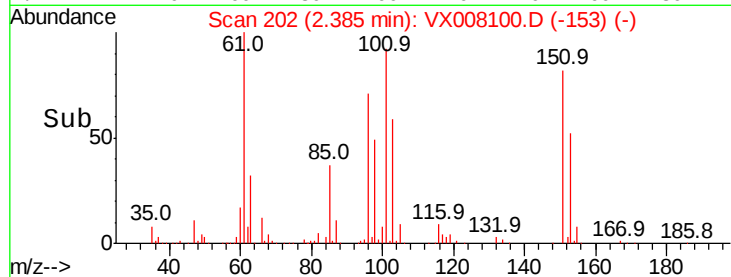
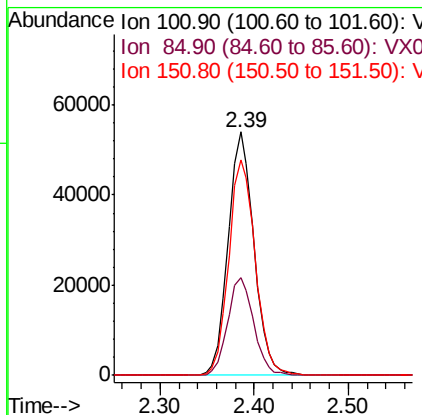
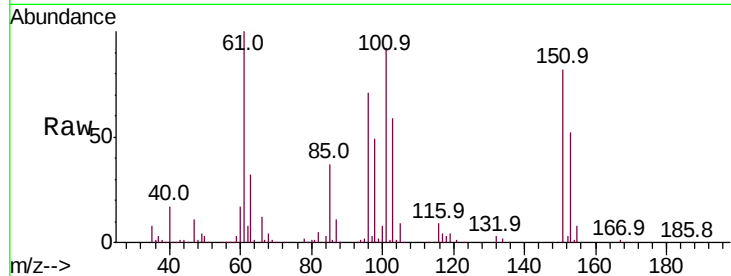
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	102664
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.8	50.6
151	91.0	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 59.172 ug/l

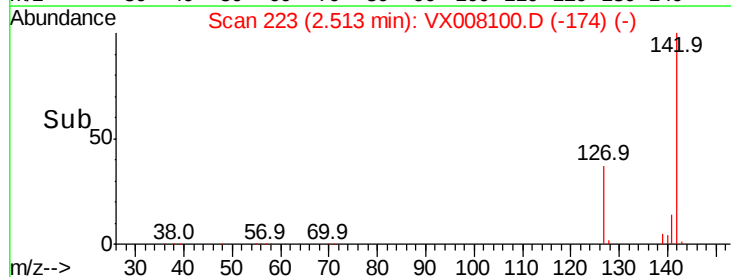
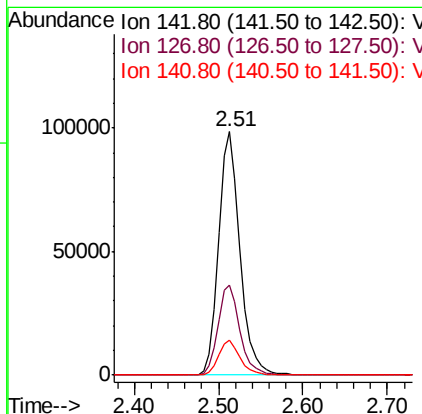
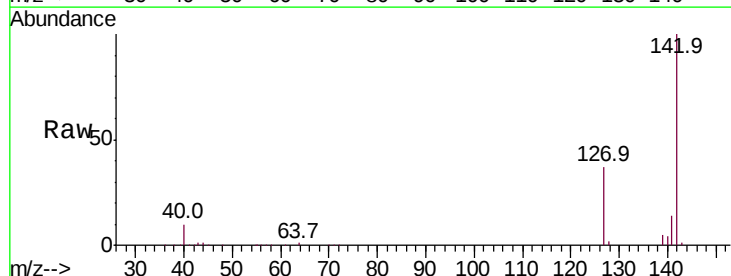
RT: 2.51 min Scan# 223

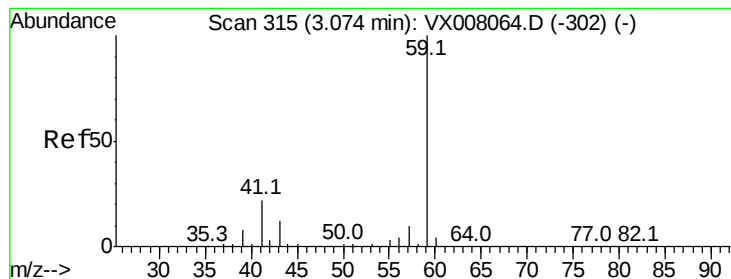
Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion:	142	Resp:	172039
Ion Ratio	Lower	Upper	
142	100		
127	37.8	32.1	48.1
141	14.4	11.4	17.2





#11

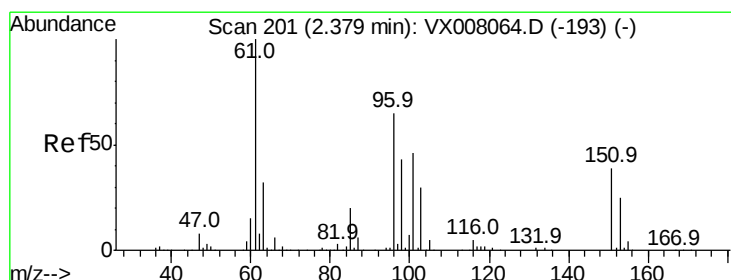
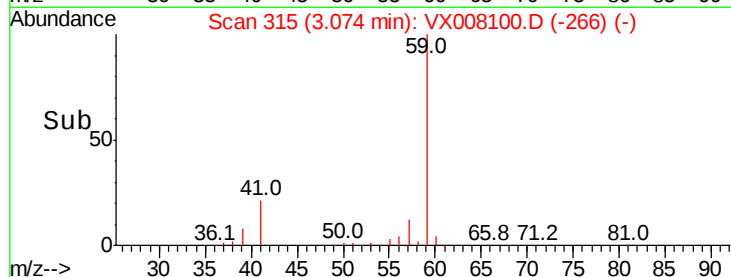
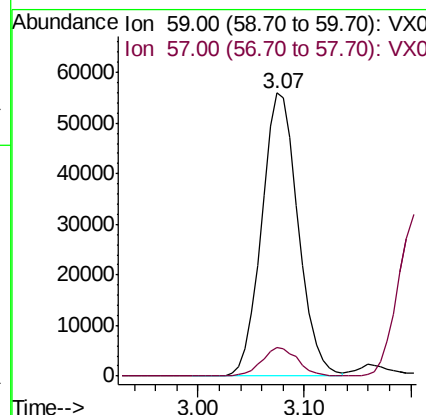
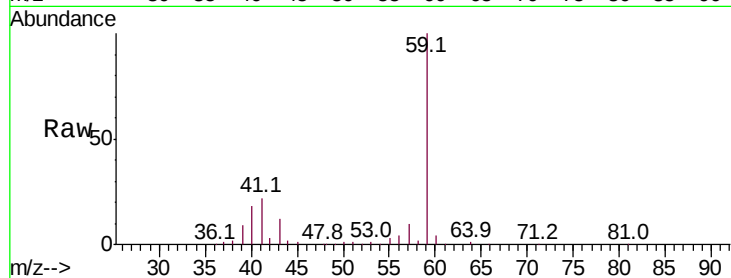
Tert butyl alcohol
 Concen: 266.669 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.0	Resp	134081	Lower	Upper

Manual Integrations
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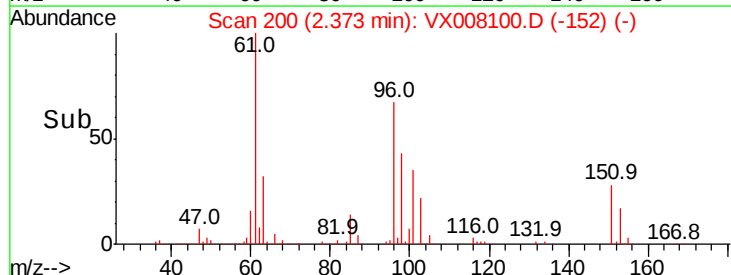
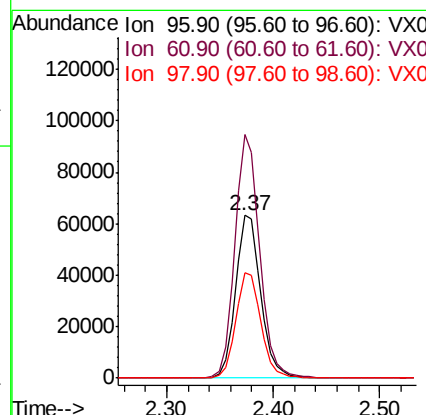
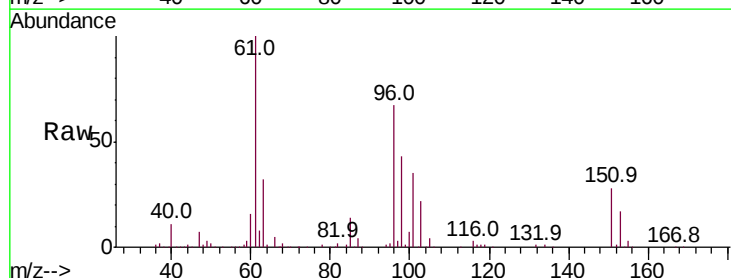
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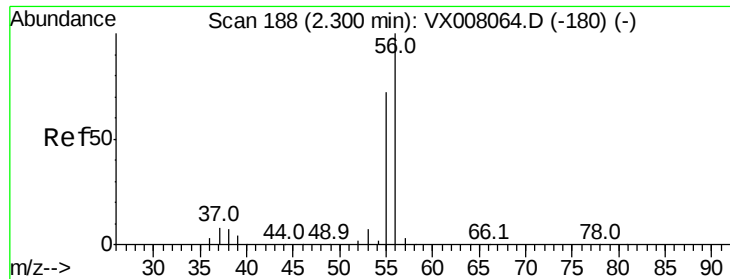


#12

1,1-Dichloroethene
 Concen: 53.165 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.01 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Tgt Ion	96	61	98	Ratio	100	149.6	64.6	Resp	104579	Lower	Upper





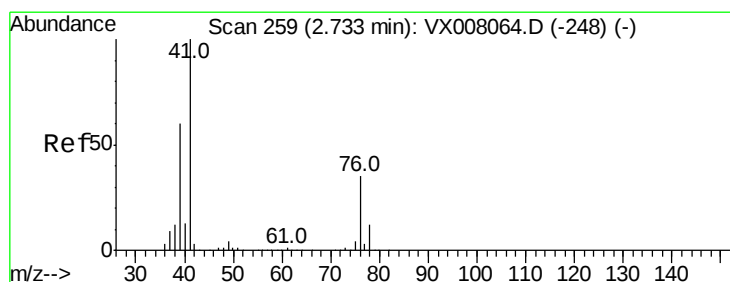
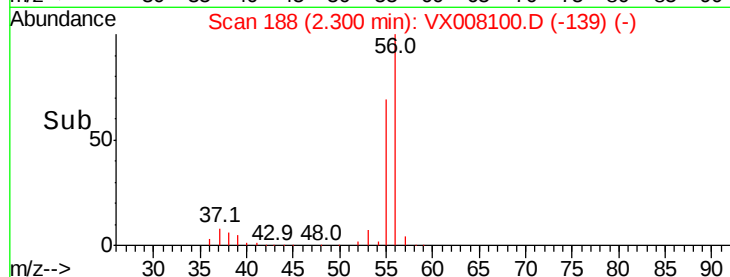
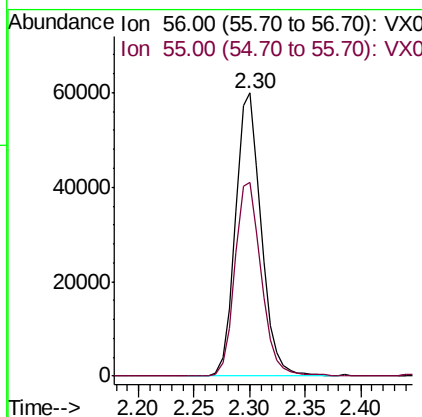
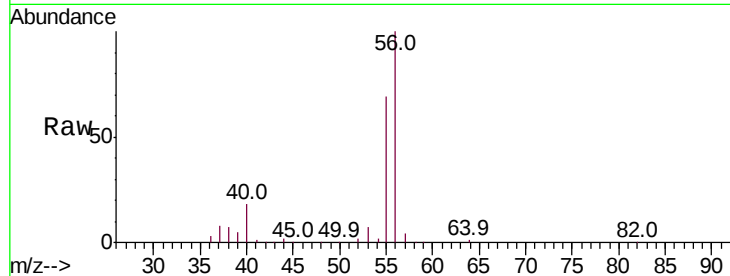
#13
 Acrolein
 Concen: 206.090 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 56 Resp: 95449
 Ion Ratio Lower Upper
 56 100
 55 70.9 57.8 86.6

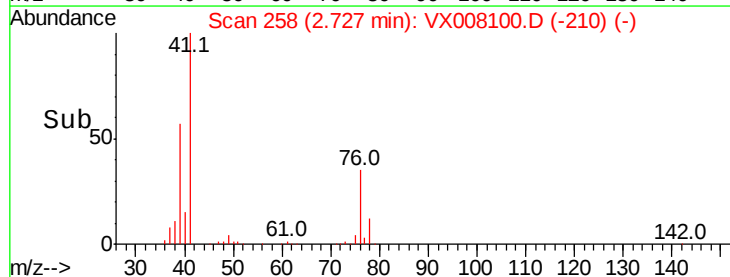
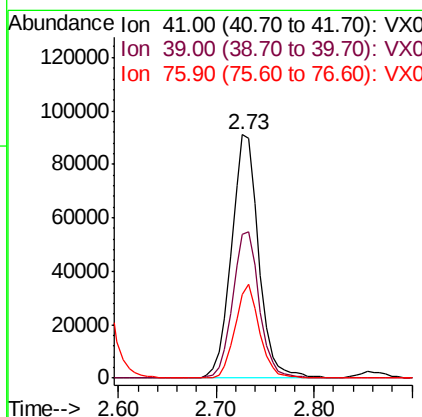
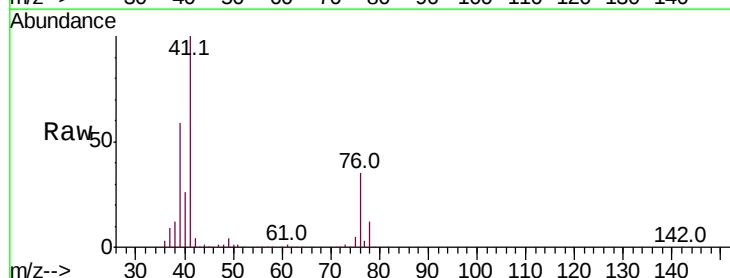
Manual Integrations
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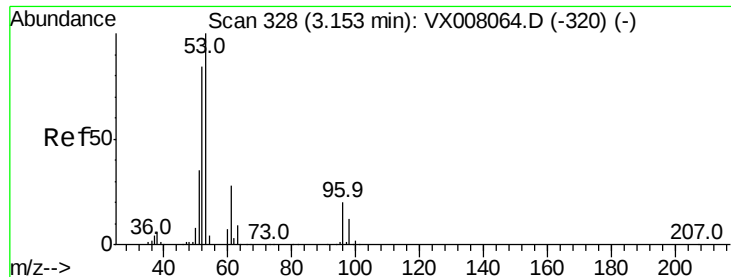
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#14
 Allyl chloride
 Concen: 49.005 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.01 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Tgt Ion: 41 Resp: 175579
 Ion Ratio Lower Upper
 41 100
 39 59.0 46.1 69.1
 76 34.5 24.0 36.0





#15

Acrylonitrile

Concen: 261.529 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

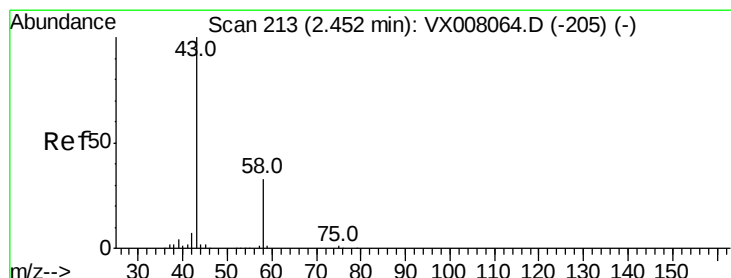
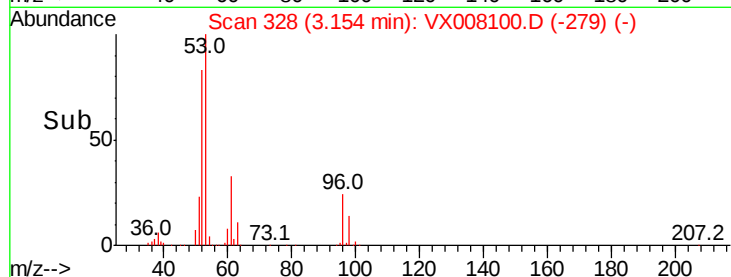
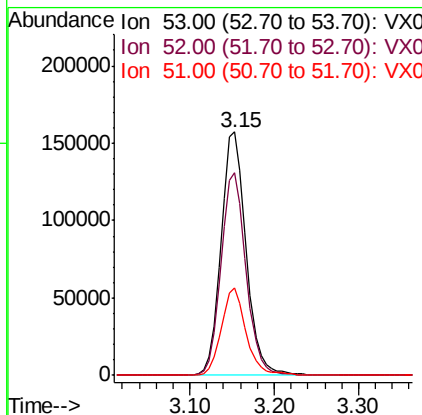
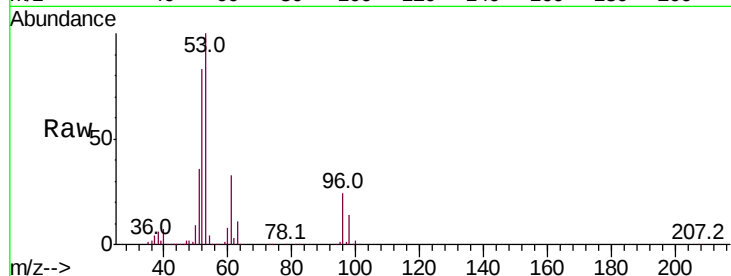
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	320647
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.0	99.0
51	35.4	28.0	42.0

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#16

Acetone

Concen: 211.516 ug/l

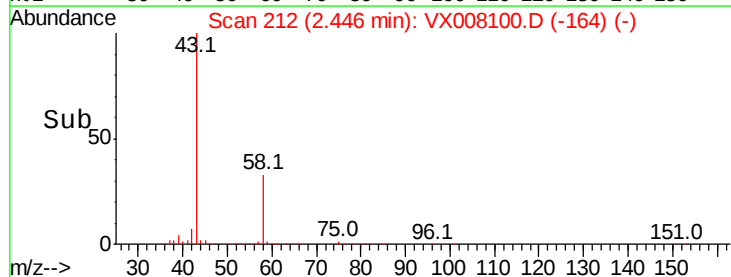
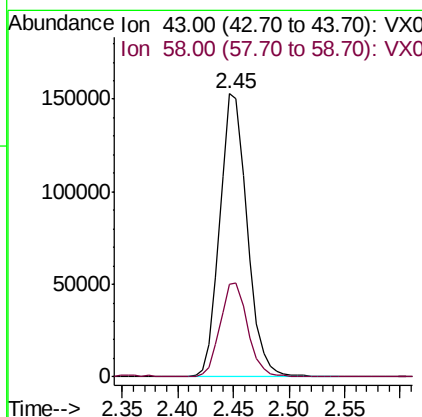
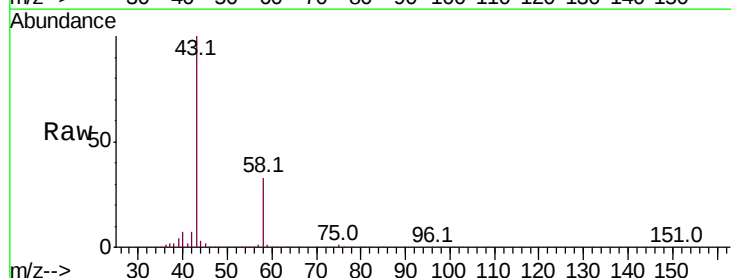
RT: 2.45 min Scan# 212

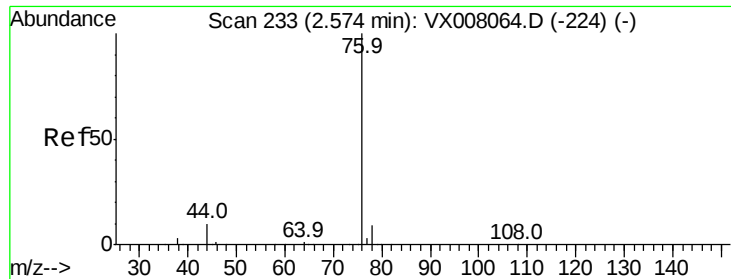
Delta R.T. -0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion:	43	Resp:	259877
Ion Ratio	Lower	Upper	
43	100		
58	32.6	25.5	38.3





#17

Carbon Disulfide

Concen: 52.435 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 296151

Ion Ratio Lower Upper

76 100

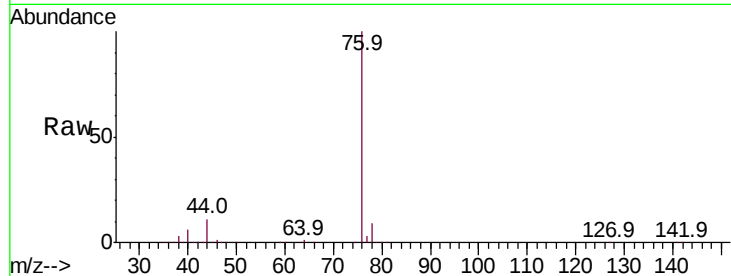
78 9.4 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

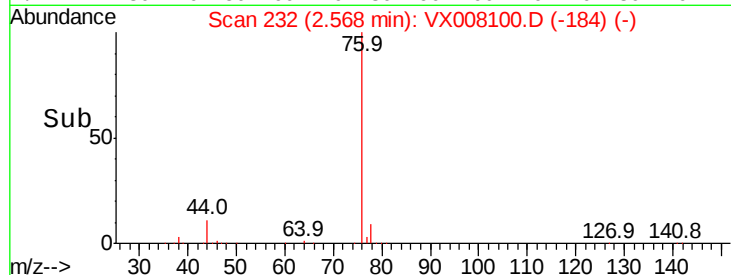
150000

100000

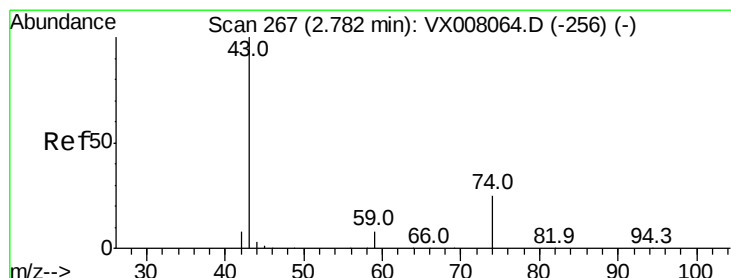
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 54.441 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008100.D

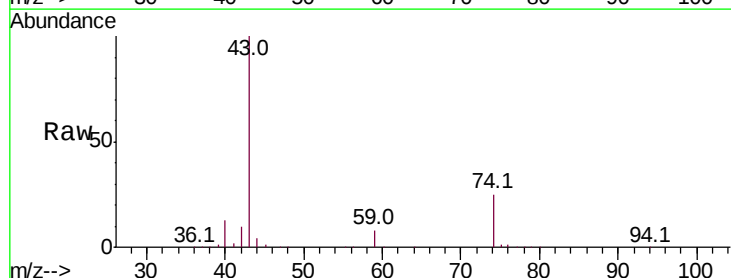
Acq: 15 Mar 2019 05:06

Tgt Ion: 43 Resp: 144570

Ion Ratio Lower Upper

43 100

74 25.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

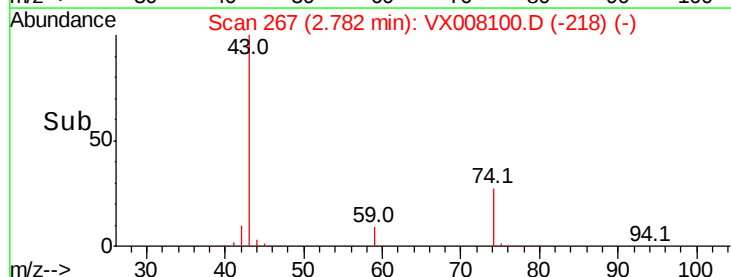
60000

40000

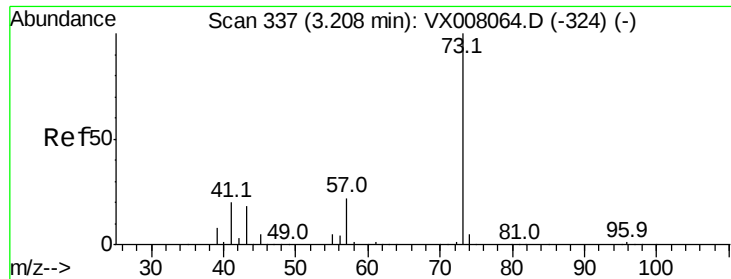
20000

0

Time-->



Time-->



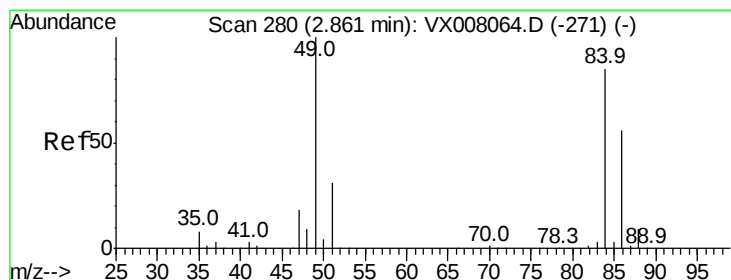
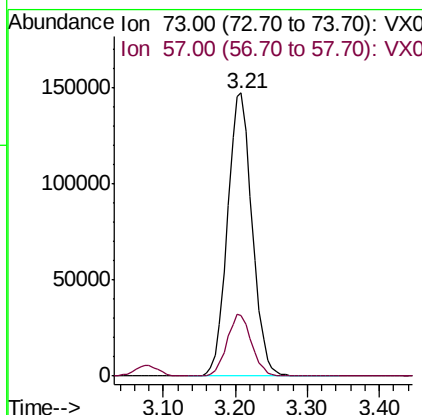
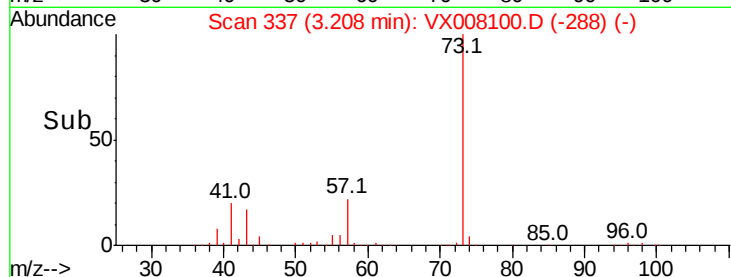
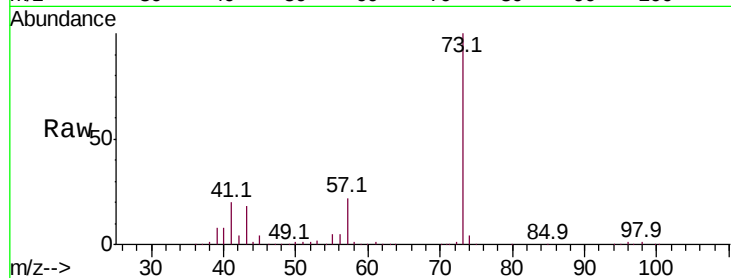
#19
Methyl tert-butyl Ether
Concen: 52.694 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 350450
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.4

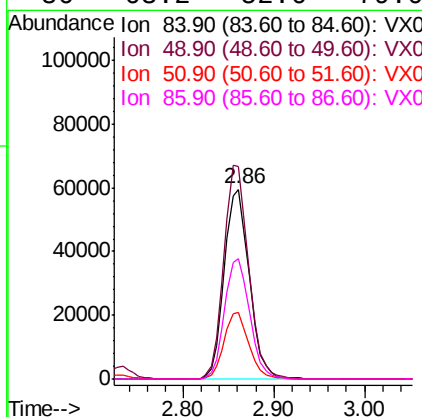
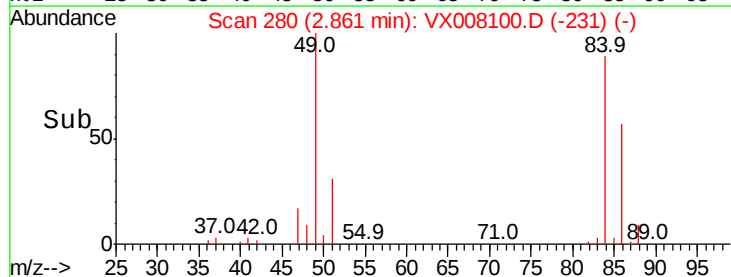
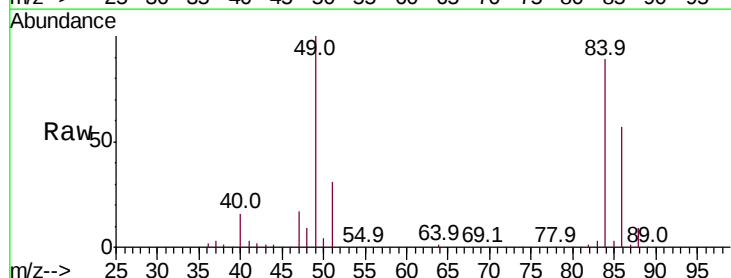
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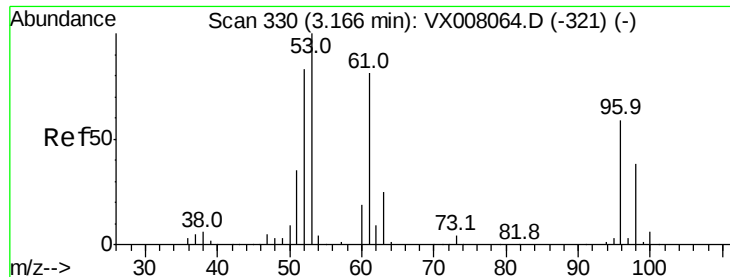
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#20
Methylene Chloride
Concen: 52.286 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion: 84 Resp: 114734
Ion Ratio Lower Upper
84 100
49 111.7 99.3 148.9
51 34.8 31.3 46.9
86 63.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 52.492 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

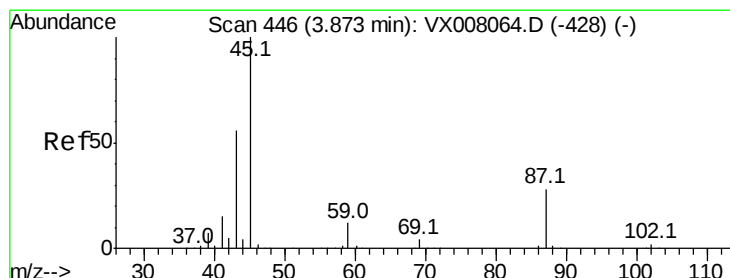
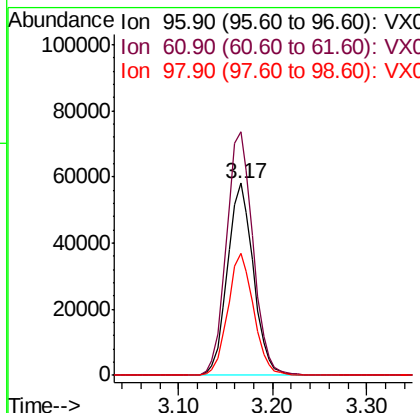
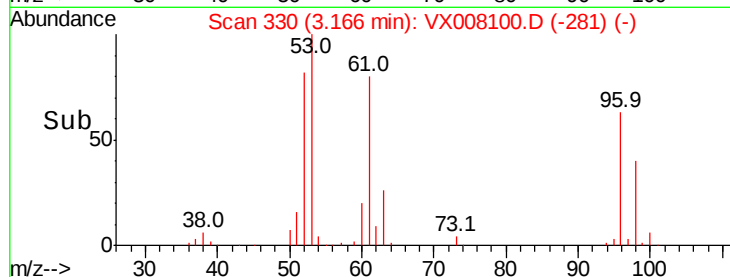
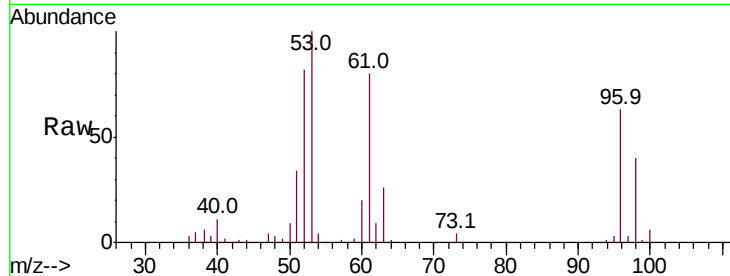
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	111251
Ion	Ratio	Lower	Upper
96	100		
61	126.7	114.4	171.6
98	63.5	51.1	76.7

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#22

Diisopropyl ether

Concen: 51.854 ug/l

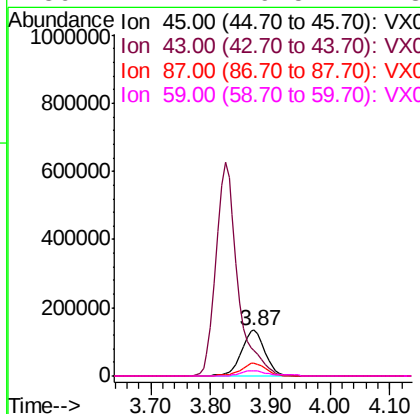
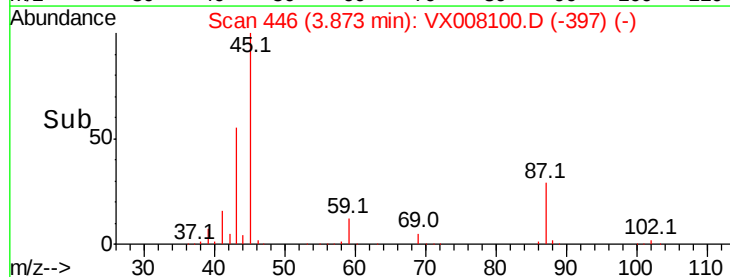
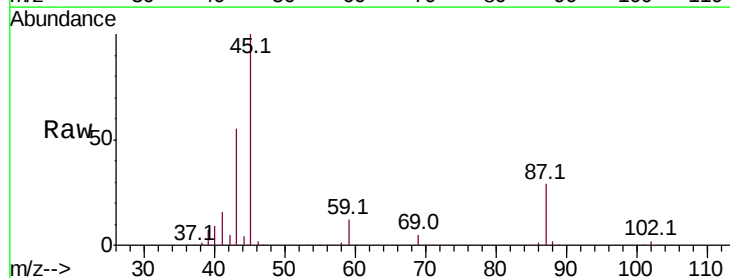
RT: 3.87 min Scan# 446

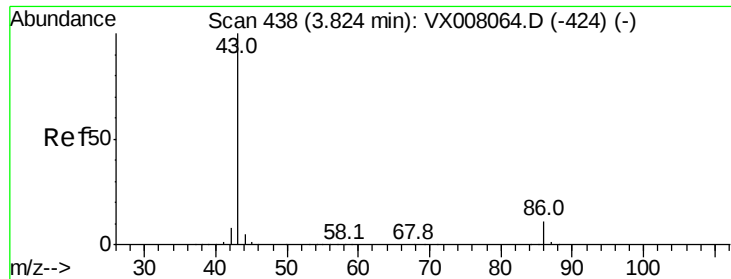
Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion:	45	Resp:	369214
Ion	Ratio	Lower	Upper
45	100		
43	54.9	45.3	67.9
87	29.1	21.4	32.0
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 261.894 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1585913

Ion Ratio Lower Upper

43 100

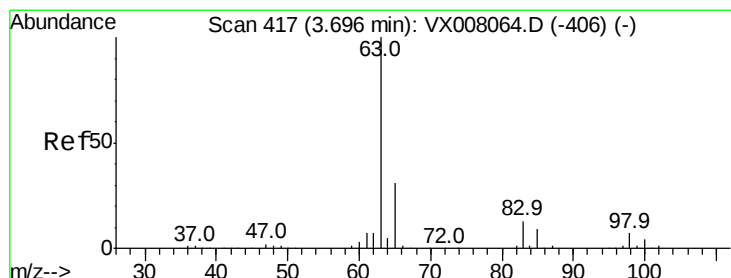
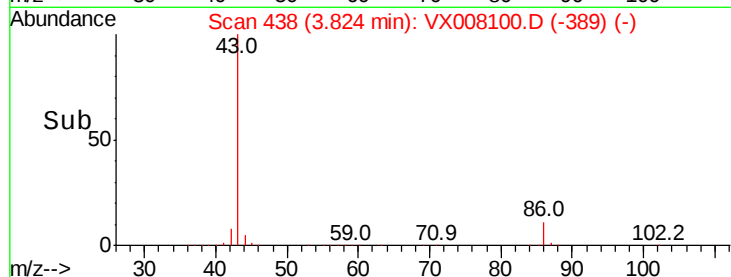
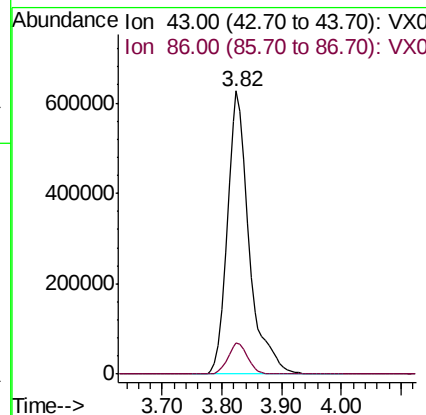
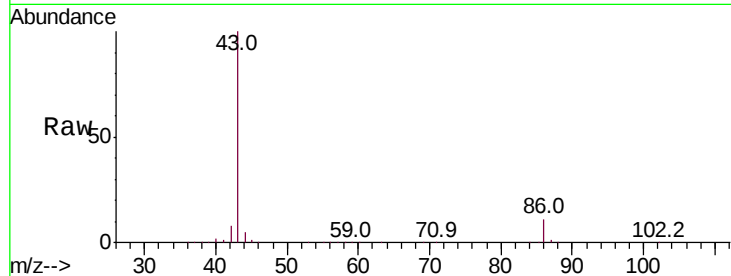
86 11.1 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 53.461 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

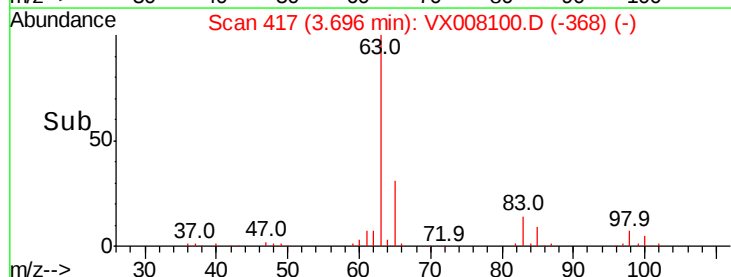
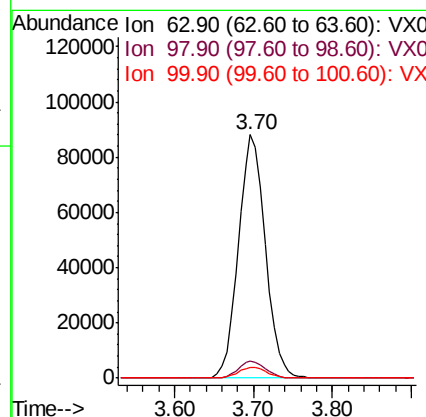
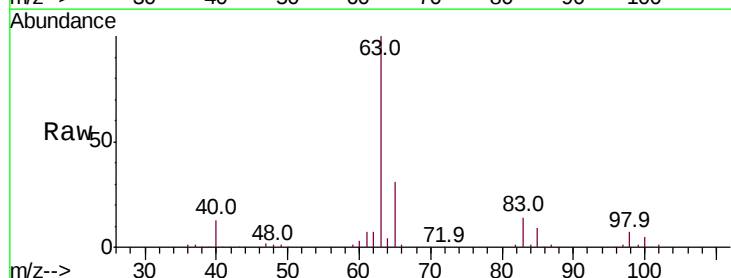
Tgt Ion: 63 Resp: 208662

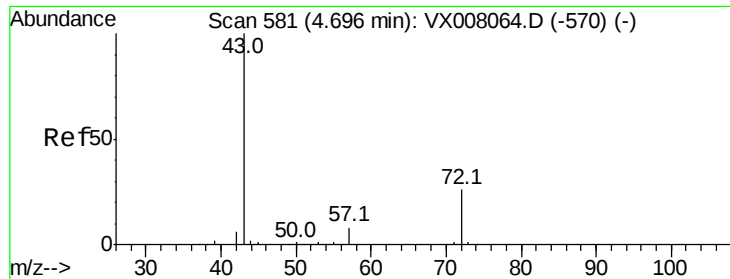
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 242.263 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tot Ion: 43 Resp: 456883

Ion Ratio Lower Upper

43 100

72 26.8 19.9 29.9

Instrument :

MSVOA_X

ClientSampleId :

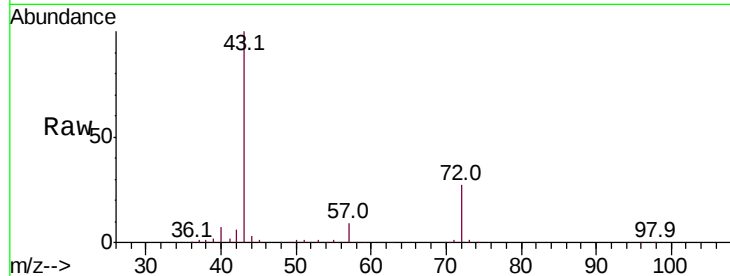
VSTDCCC050EC

Manual Integrations

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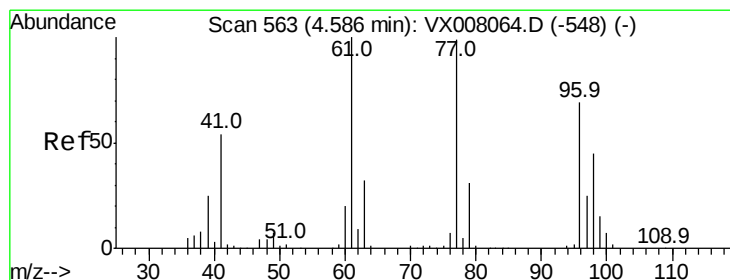
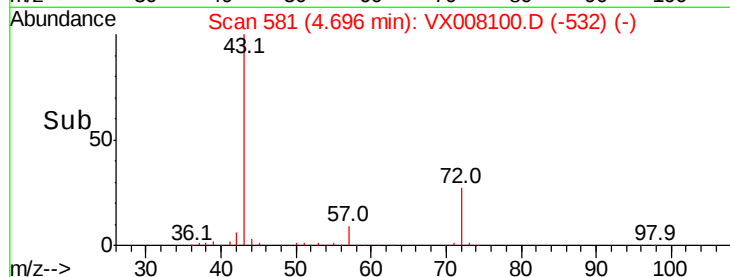
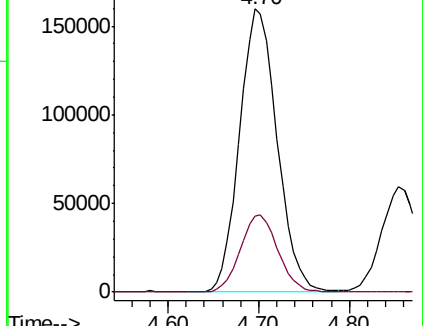
MMDadoda

3/15/2019 9:06:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 36.501 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008100.D

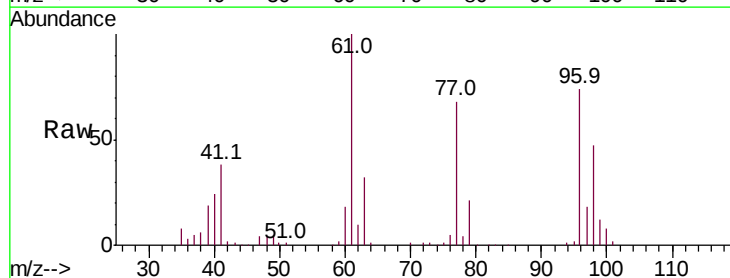
Acq: 15 Mar 2019 05:06

Tgt Ion: 77 Resp: 108840

Ion Ratio Lower Upper

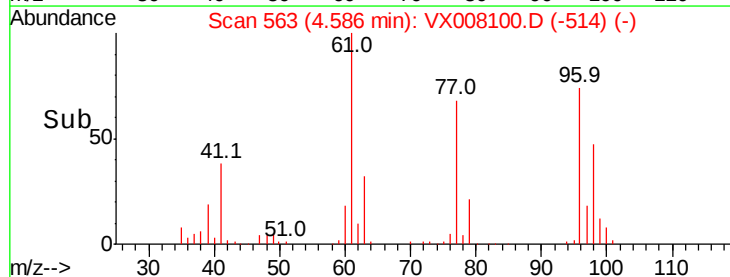
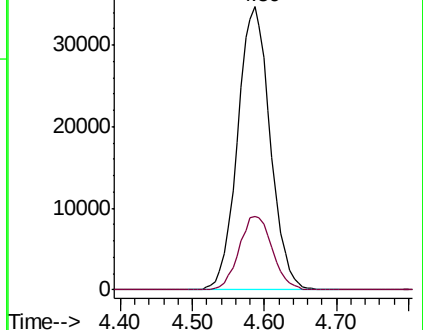
77 100

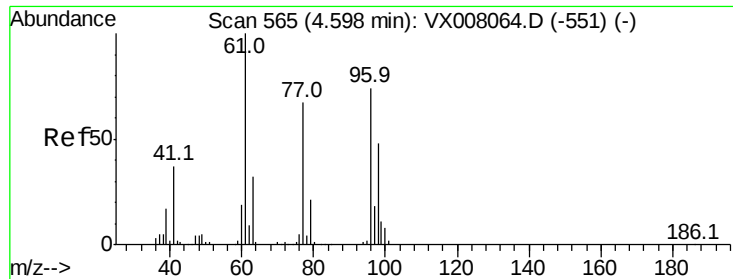
97 26.7 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

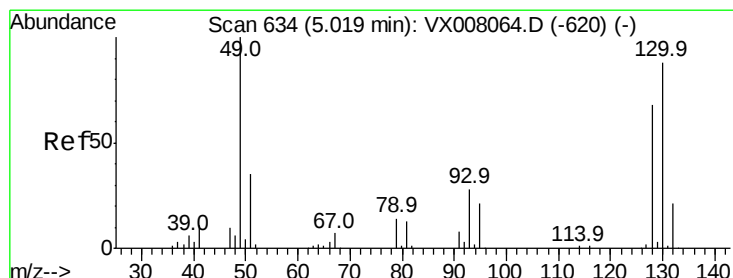
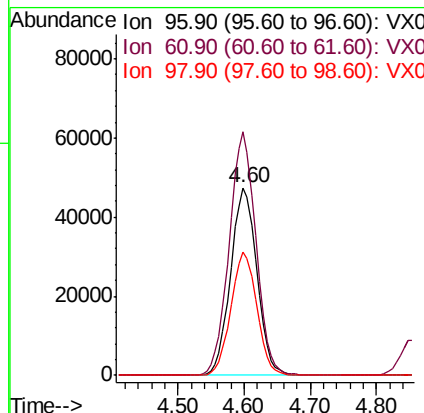
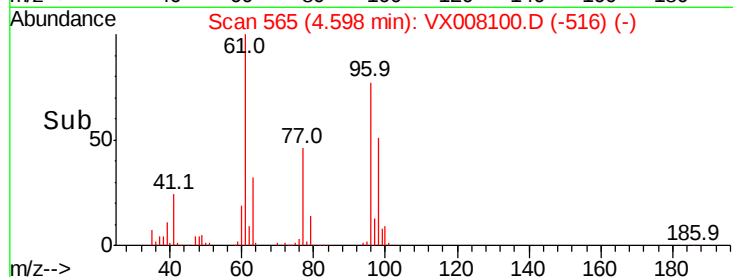
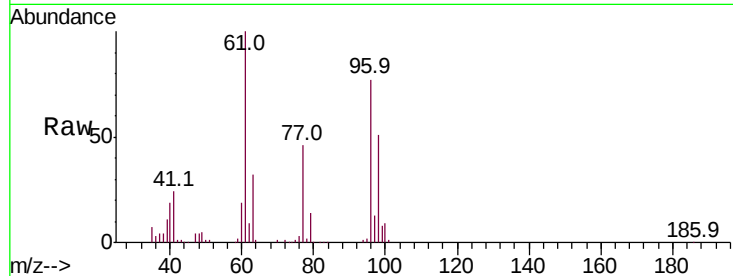
cis-1,2-Dichloroethene
Concen: 51.776 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.2	0.0	288.0	
98	65.1	0.0	129.0	

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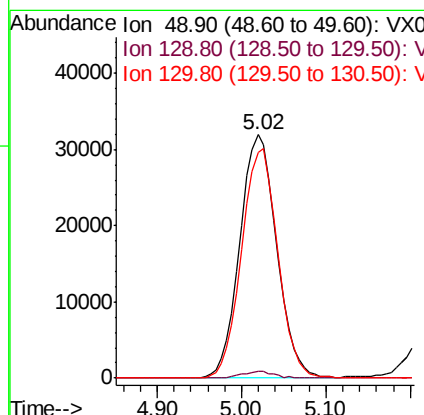
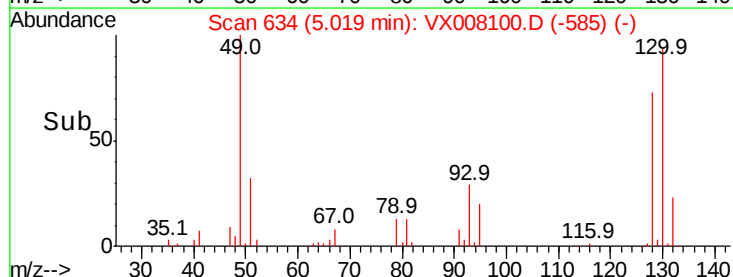
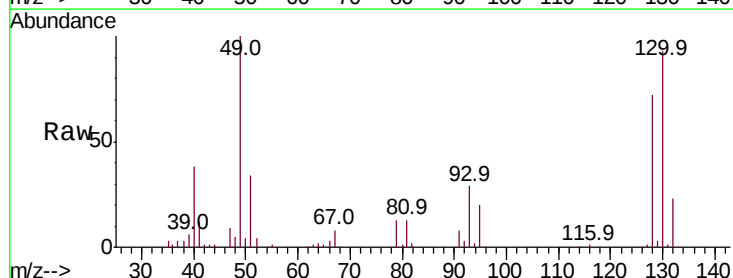
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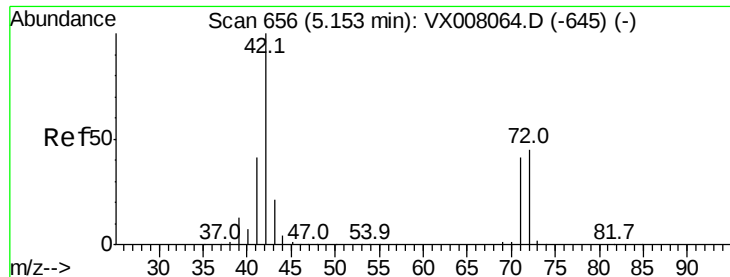


#28

Bromochloromethane
Concen: 51.443 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.0	
130	92.3	65.0	97.4	





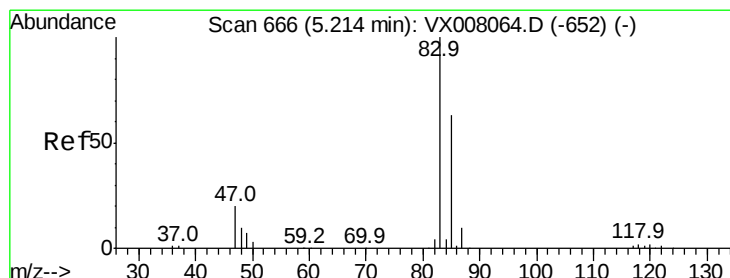
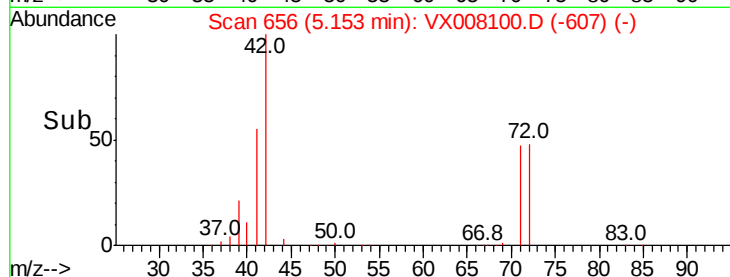
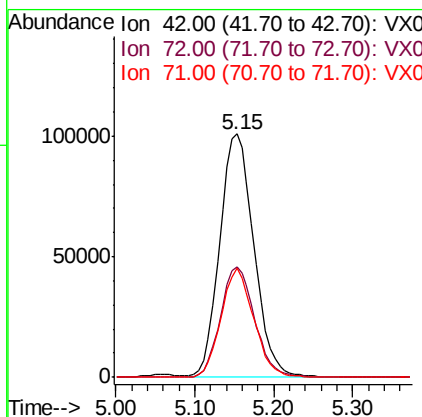
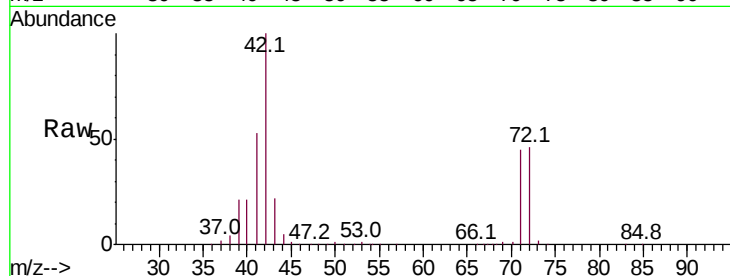
#29
Tetrahydrofuran
Concen: 257.186 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	33.8	50.6
71	43.0	31.5	47.3

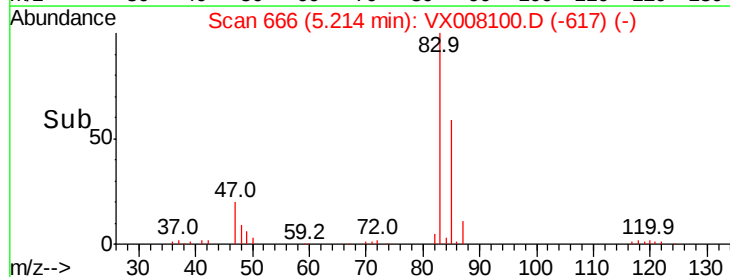
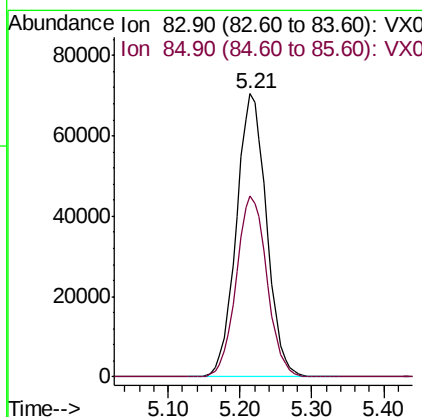
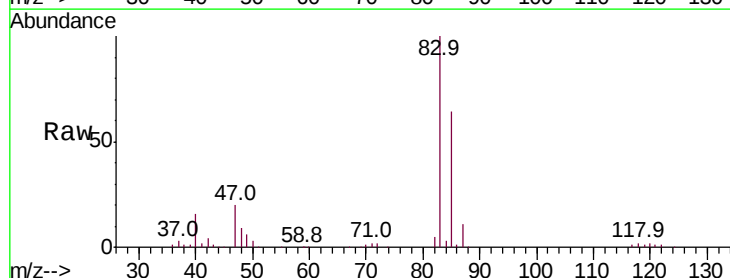
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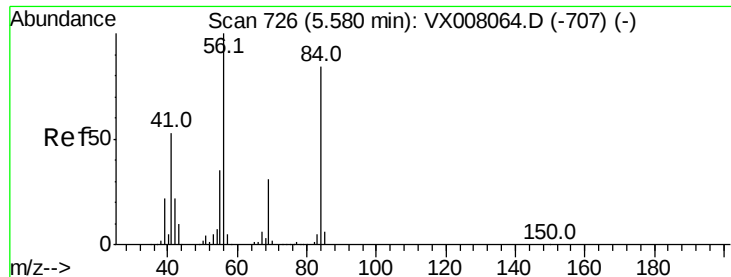
MMDadoda
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#30
Chloroform
Concen: 51.712 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6





#31

Cyclohexane

Concen: 49.667 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

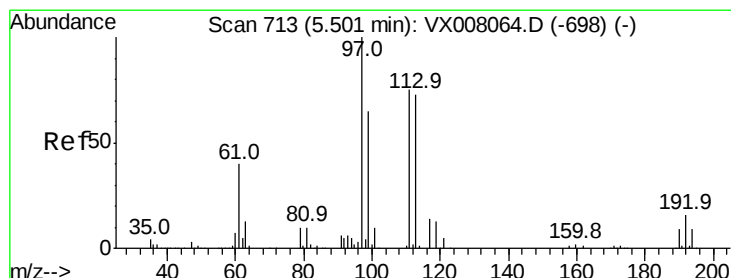
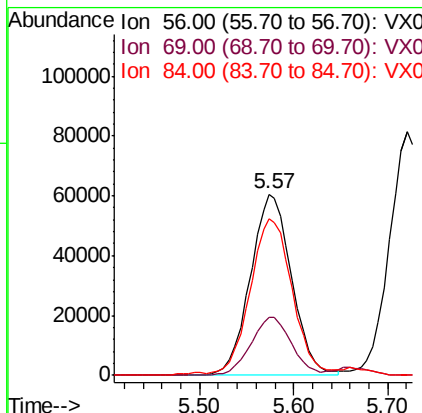
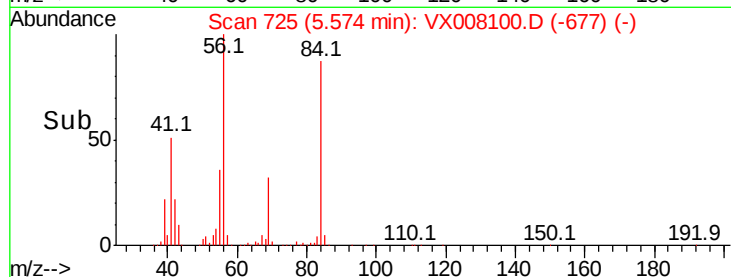
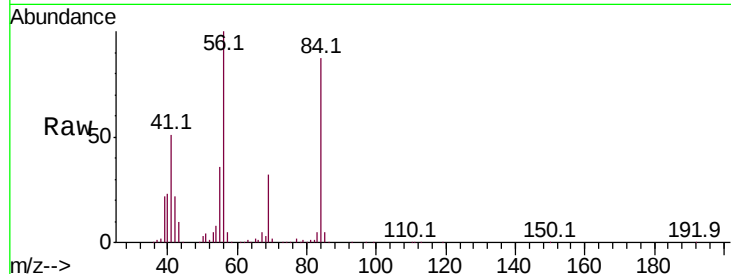
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	184817
Ion Ratio	Lower	Upper	
56	100		
69	31.7	24.0	36.0
84	85.4	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 52.381 ug/l

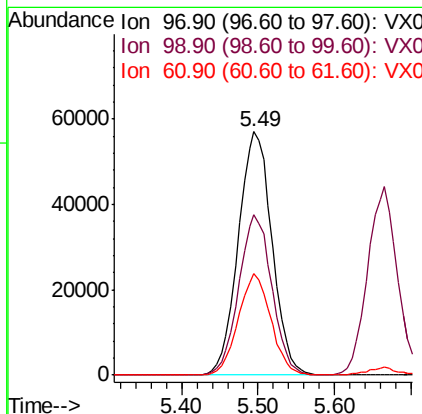
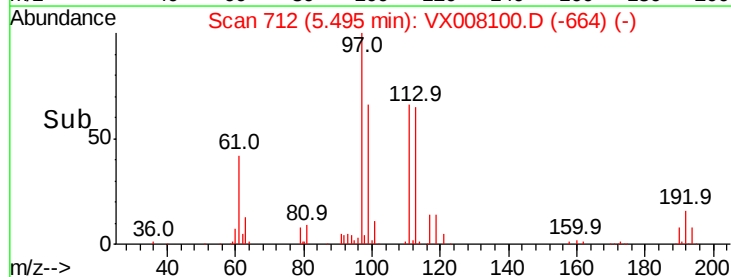
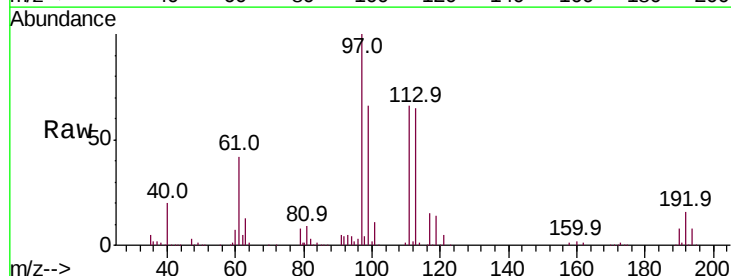
RT: 5.49 min Scan# 712

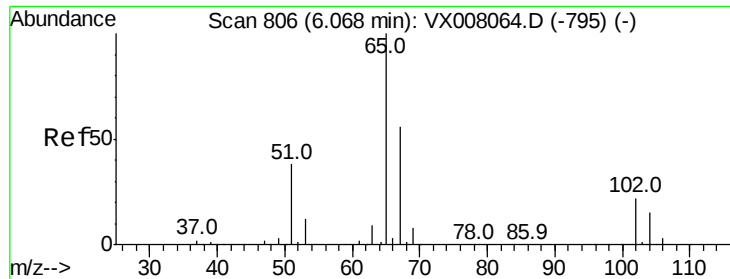
Delta R.T. -0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion:	97	Resp:	174440
Ion Ratio	Lower	Upper	
97	100		
99	64.8	52.2	78.2
61	40.5	34.9	52.3





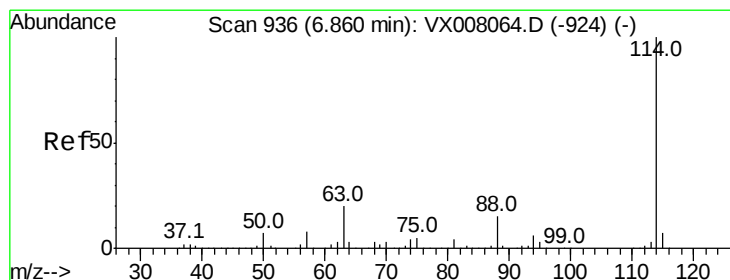
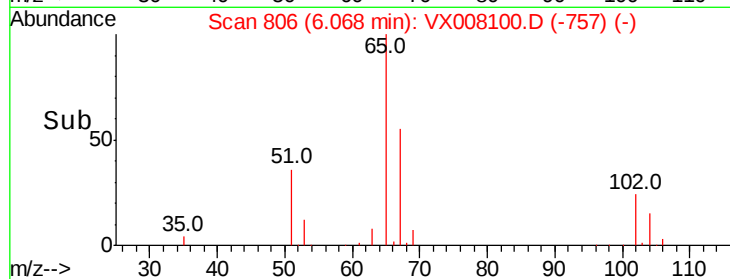
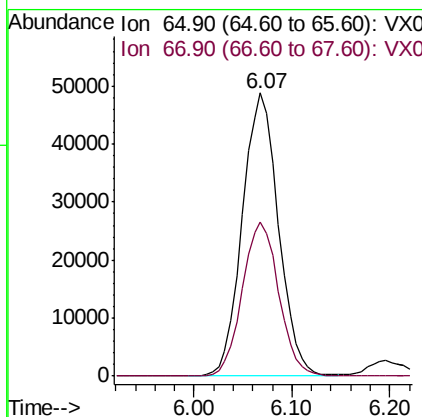
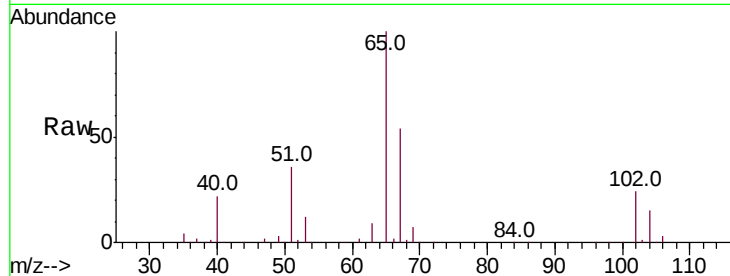
#33
 1,2-Dichloroethane-d4
 Concen: 48.104 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	110.0

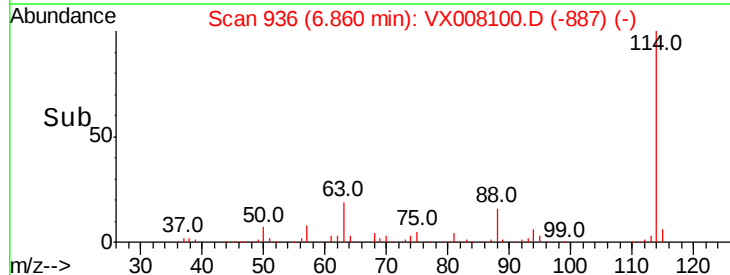
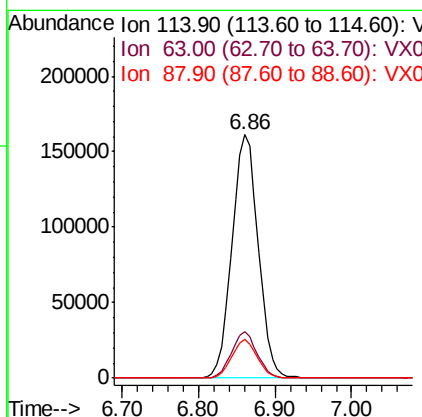
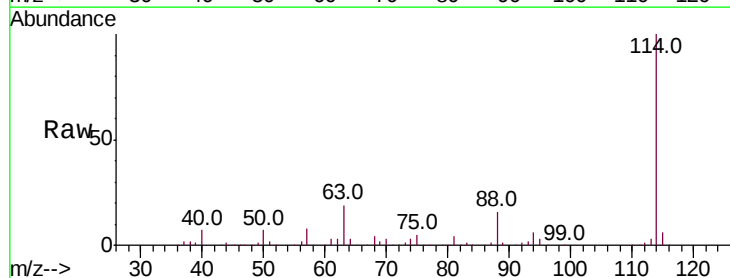
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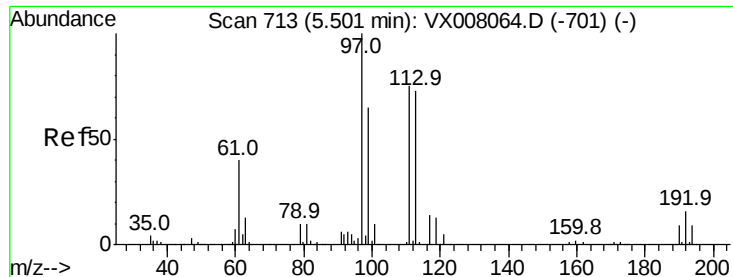
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.8
88	15.7	0.0	31.4





#35

Dibromofluoromethane

Concen: 48.042 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

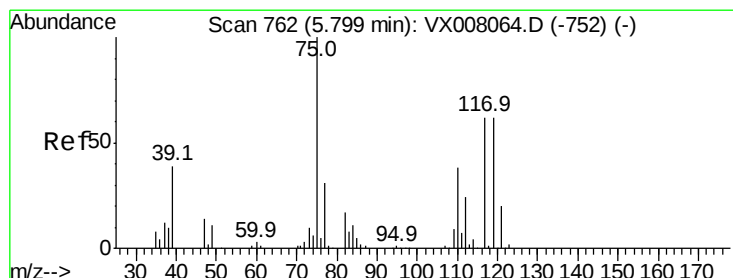
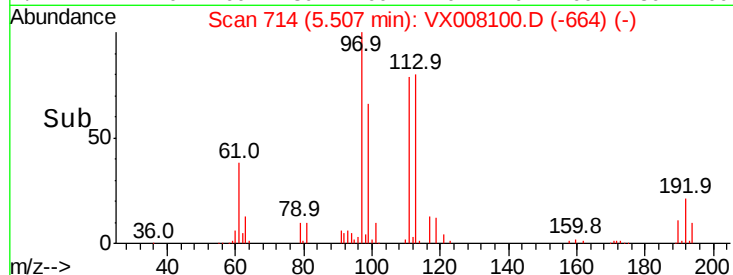
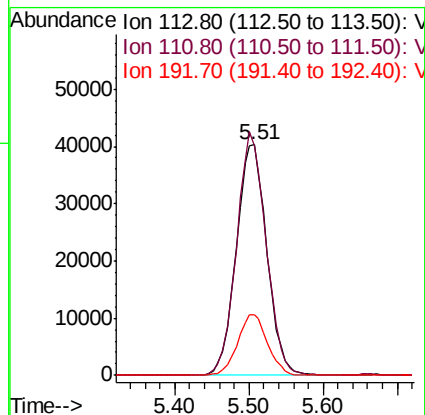
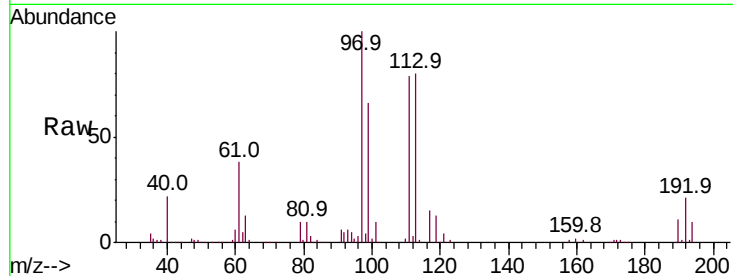
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	116435
Ion Ratio	Lower	Upper	
113	100		
111	101.2	81.4	122.0
192	25.6	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 48.457 ug/l

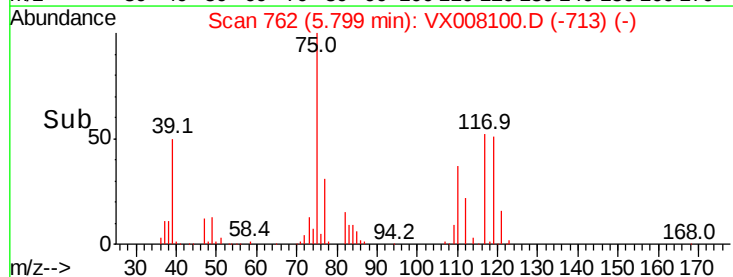
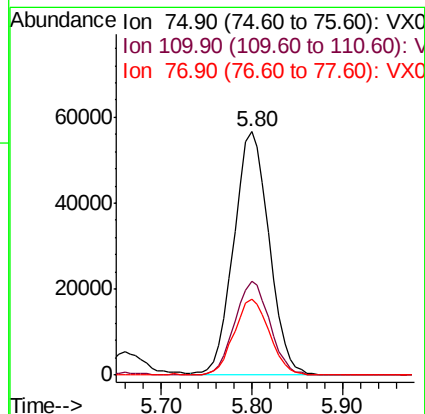
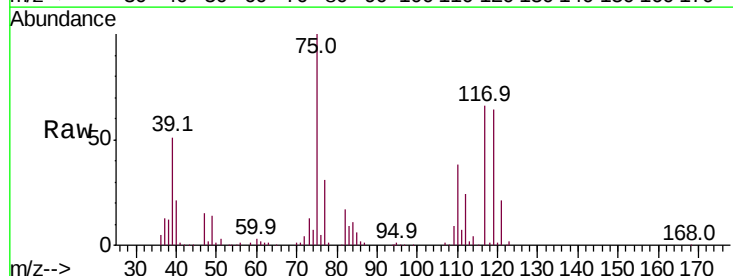
RT: 5.80 min Scan# 762

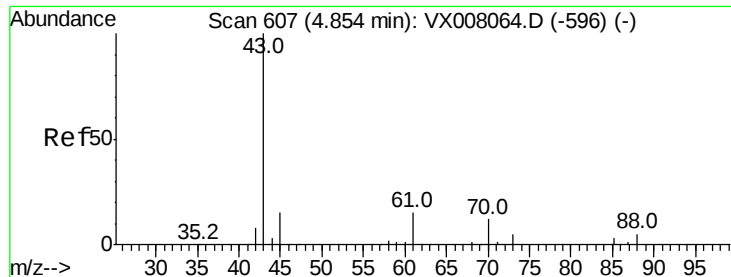
Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion:	75	Resp:	152355
Ion Ratio	Lower	Upper	
75	100		
110	38.6	18.4	55.0
77	31.5	25.0	37.4





#37

Ethyl Acetate

Concen: 50.908 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

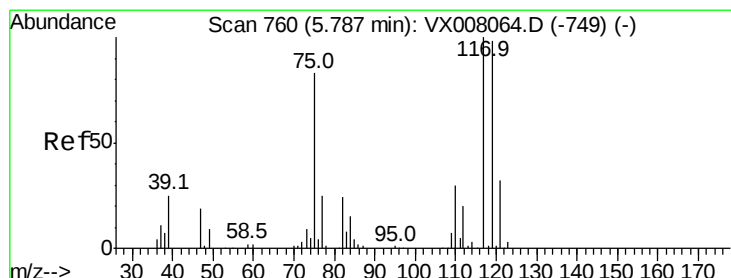
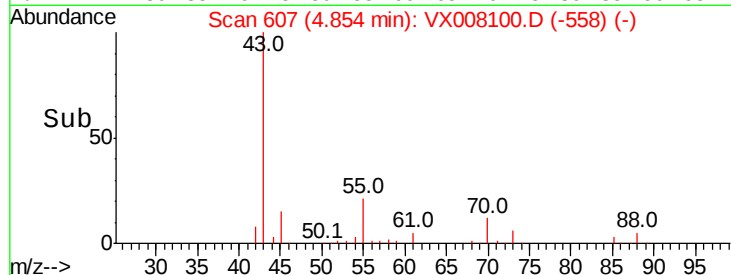
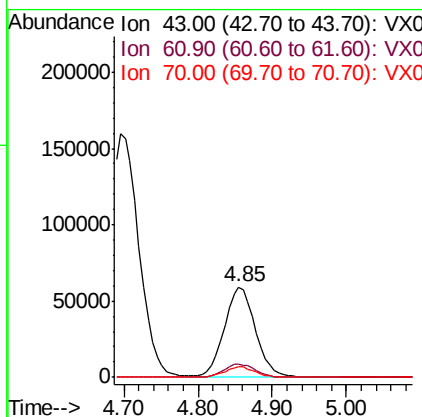
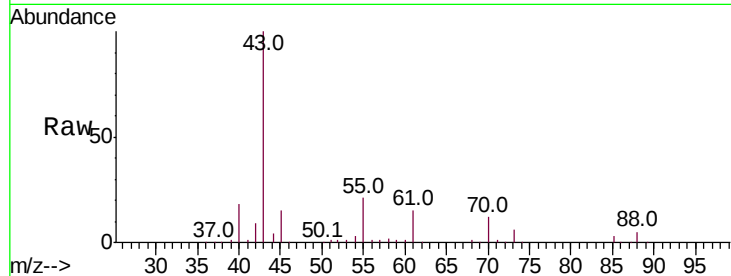
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	172027
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.3	16.9
70	11.6	8.5	12.7

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#38

Carbon Tetrachloride

Concen: 50.975 ug/l

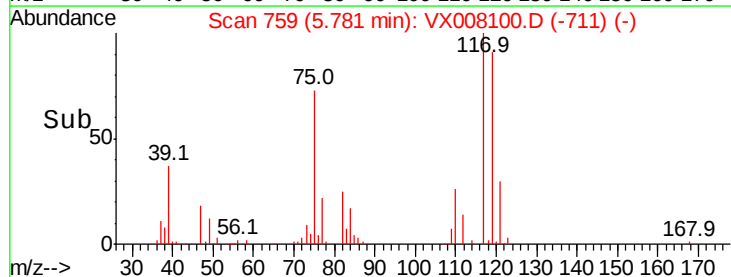
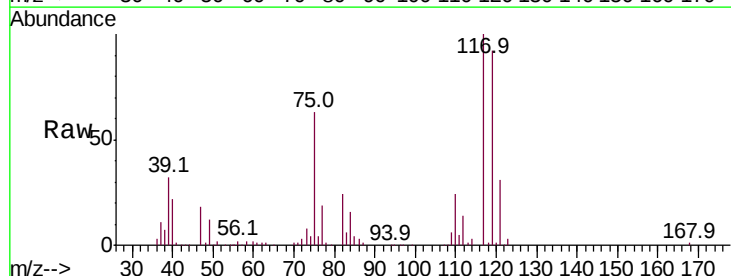
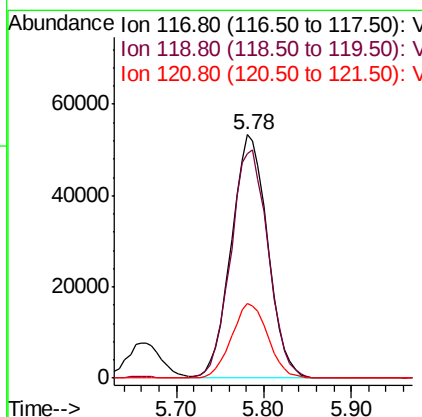
RT: 5.78 min Scan# 759

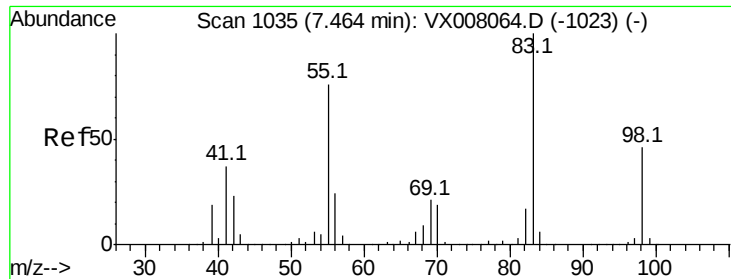
Delta R.T. -0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion:	117	Resp:	154267
Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.2	114.2
121	30.6	24.6	36.8





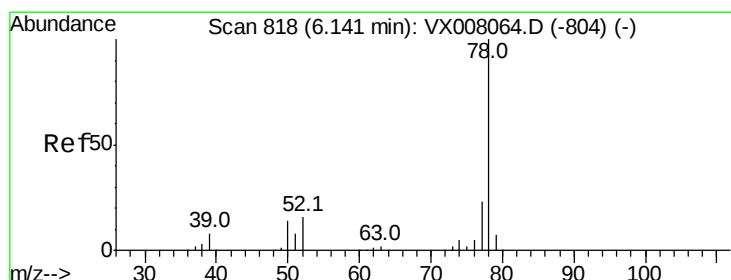
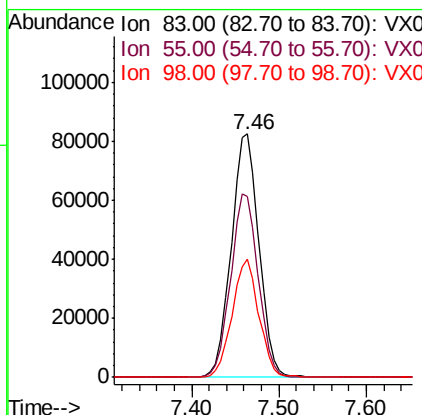
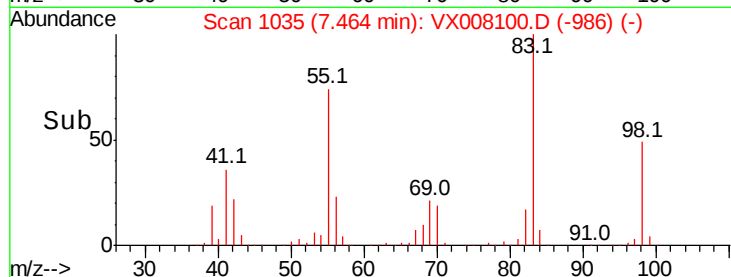
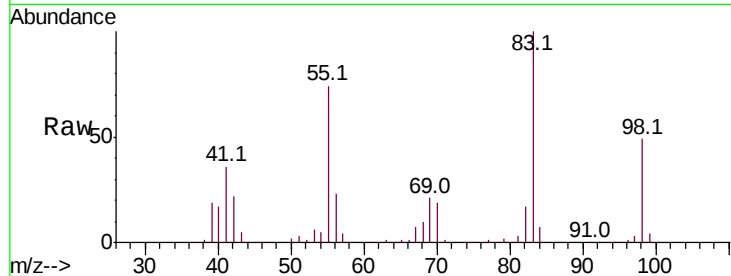
#39
Methvlcvclohexane
Concen: 45.115 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.4	90.6
98	48.5	36.5	54.7

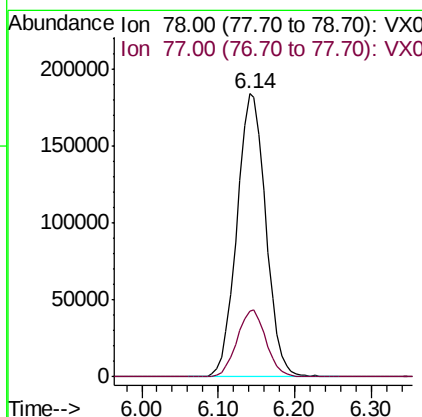
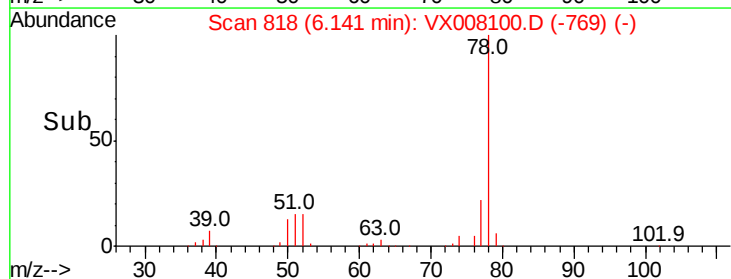
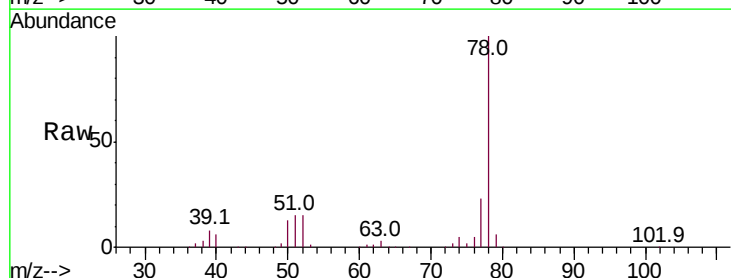
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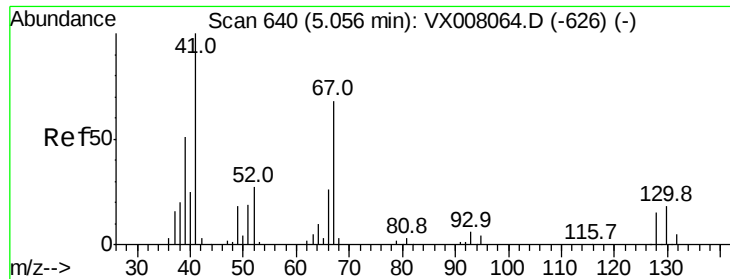
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#40
Benzene
Concen: 49.939 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





#41

Methacrylonitrile

Concen: 48.992 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

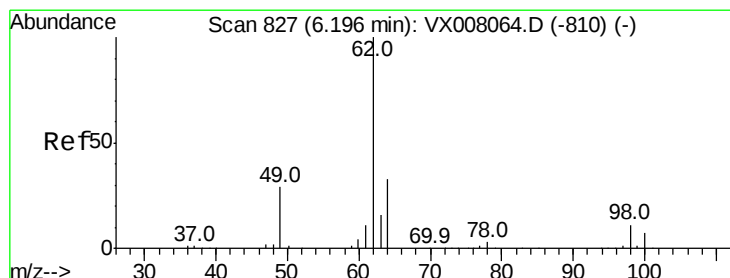
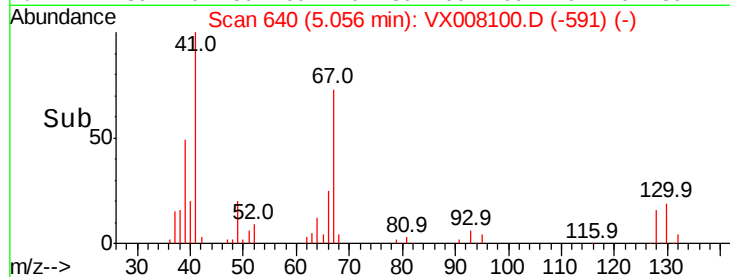
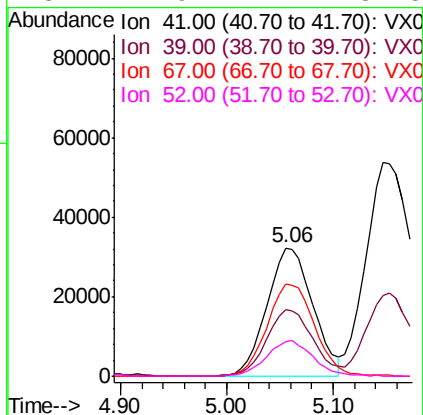
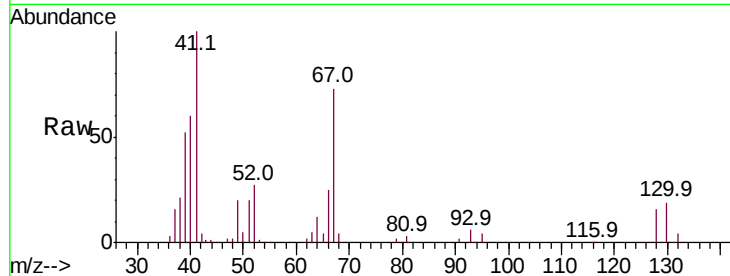
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	41.6	62.4	
67	74.3	55.8	83.6	
52	27.9	21.7	32.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.528 ug/l

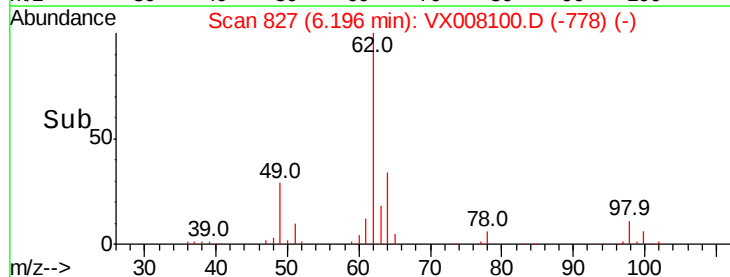
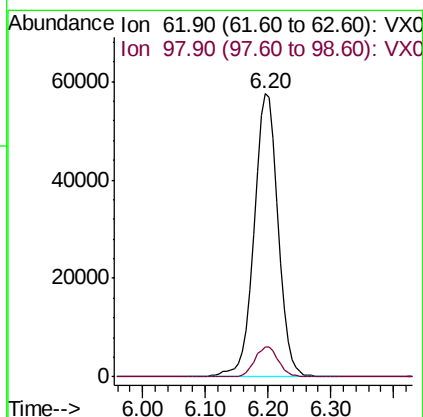
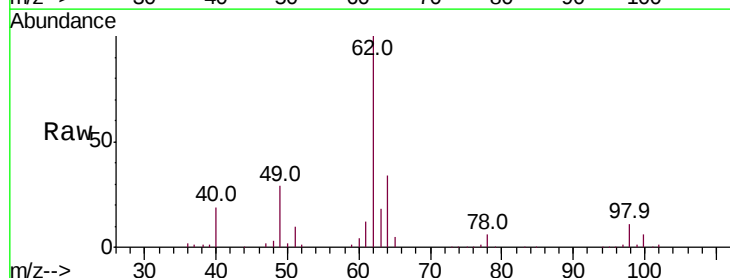
RT: 6.20 min Scan# 827

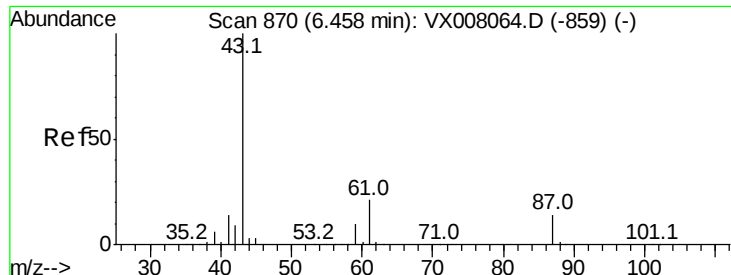
Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.4	





#43

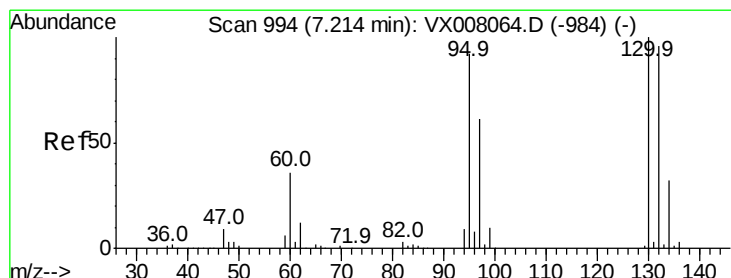
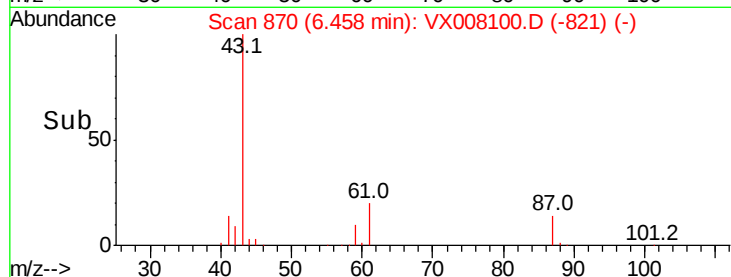
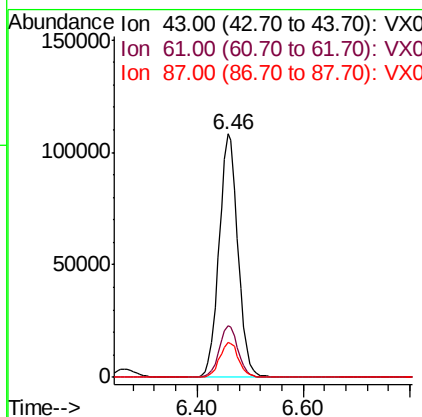
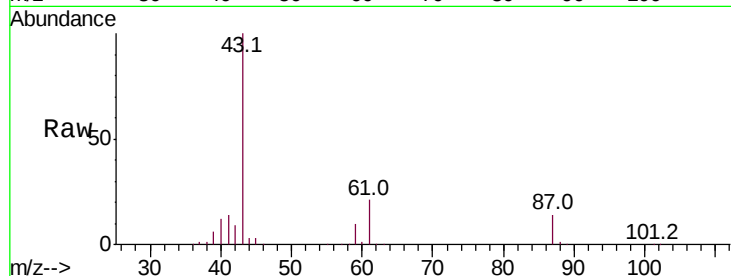
Isopropyl Acetate
 Concen: 48.995 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.3	24.5
87	14.5	10.5	15.7

Manual Integrations
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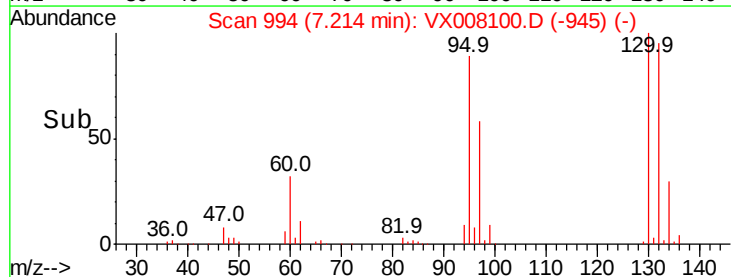
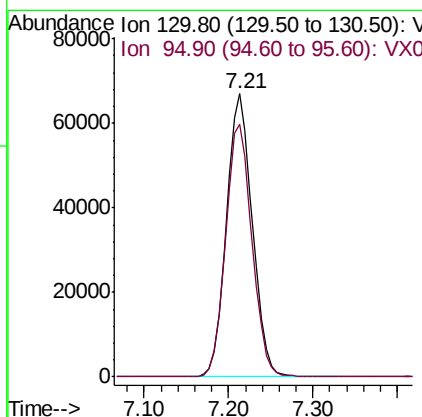
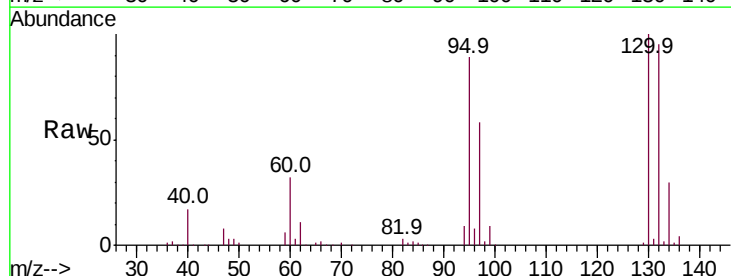
MMDadoda
 3/15/2019 9:06:32 AM

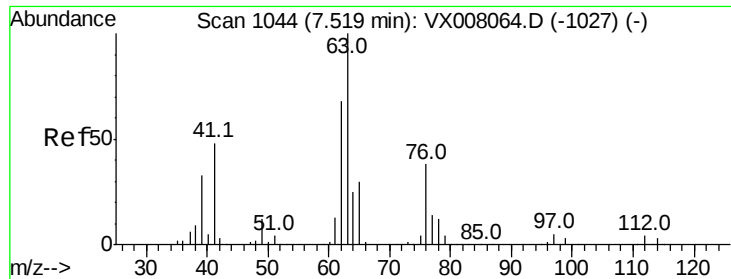


#44

Trichloroethene
 Concen: 50.422 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	188.0





#45

1,2-Dichloropropane

Concen: 48.577 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 123438

Ion Ratio Lower Upper

63 100

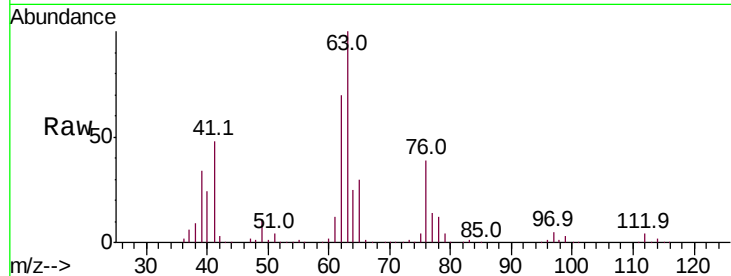
65 30.3 24.7 37.1

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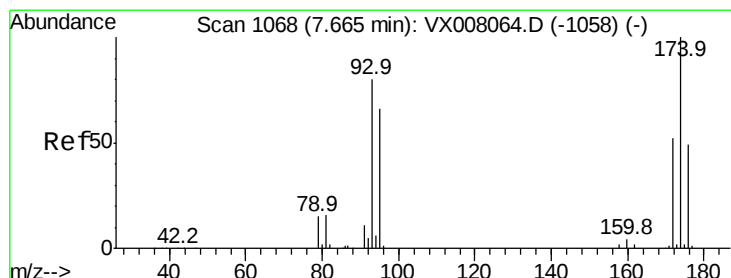
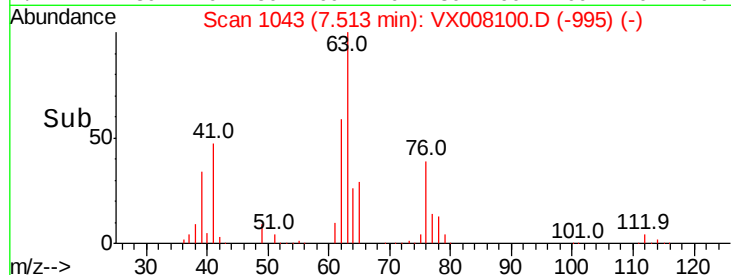
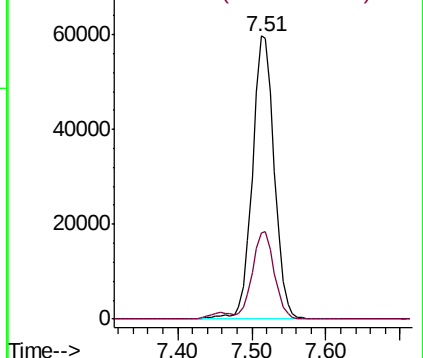
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3/15/2019 9:06:32 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.180 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

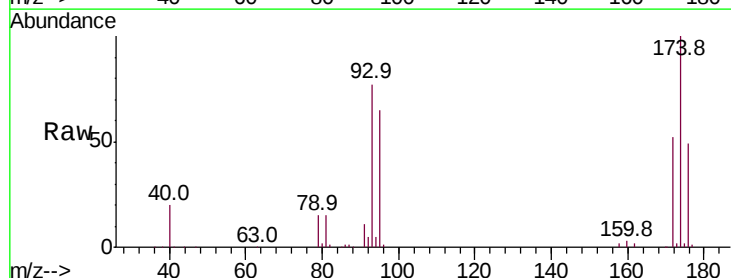
Tgt Ion: 93 Resp: 81513

Ion Ratio Lower Upper

93 100

95 83.9 66.8 100.2

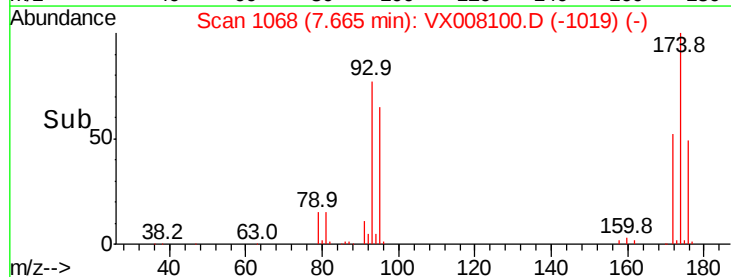
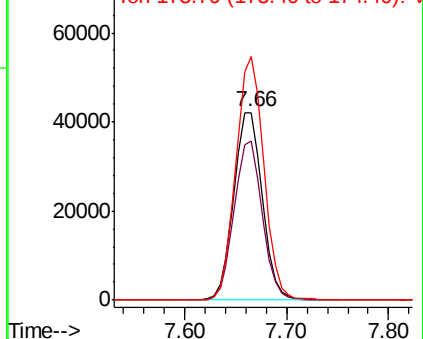
174 127.4 97.3 145.9

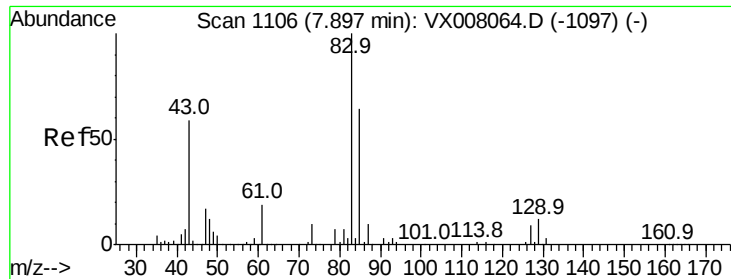


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.532 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 150032

Ion Ratio Lower Upper

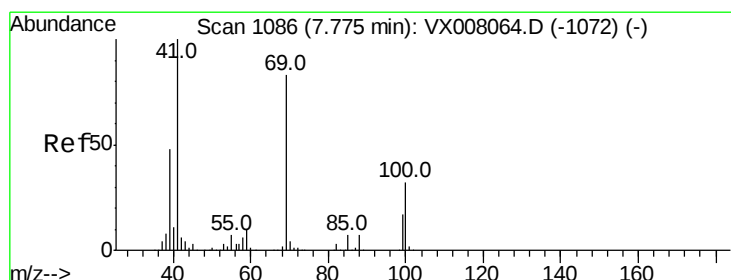
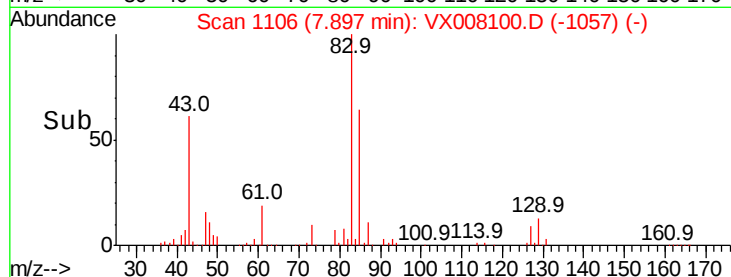
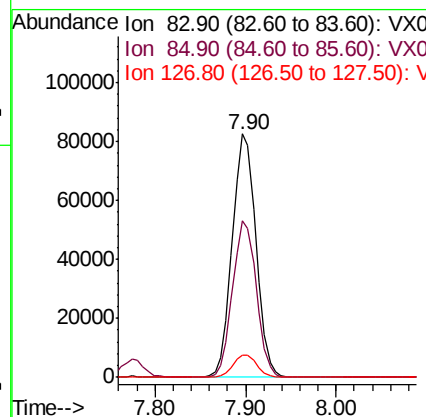
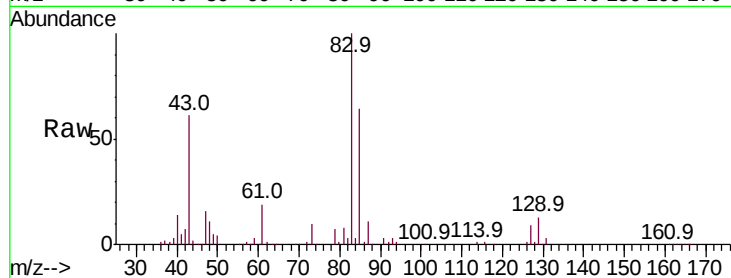
83 100

85 64.4 50.9 76.3

127 9.2 7.4 11.0

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#48

Methyl methacrylate

Concen: 48.749 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

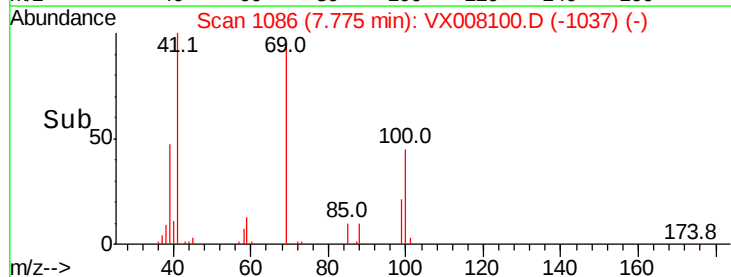
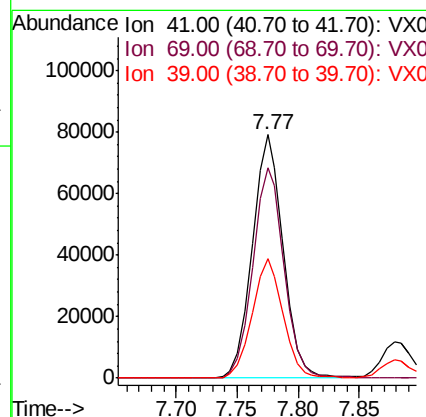
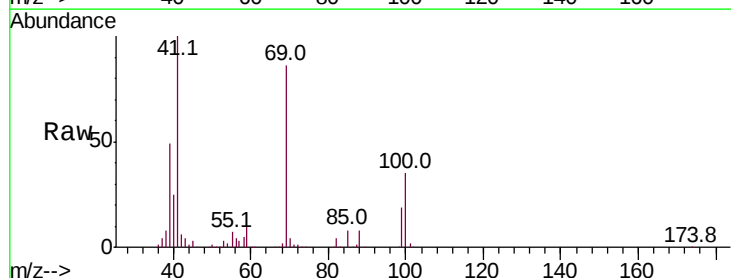
Tgt Ion: 41 Resp: 138555

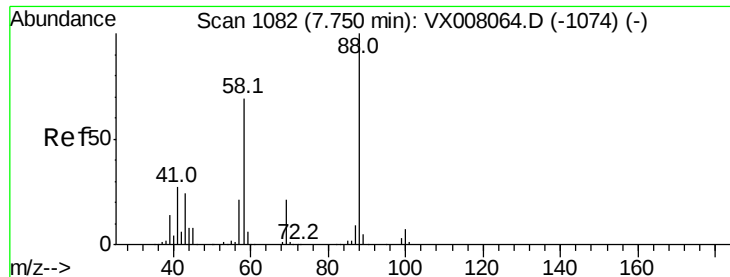
Ion Ratio Lower Upper

41 100

69 87.9 65.2 97.8

39 49.5 39.4 59.2





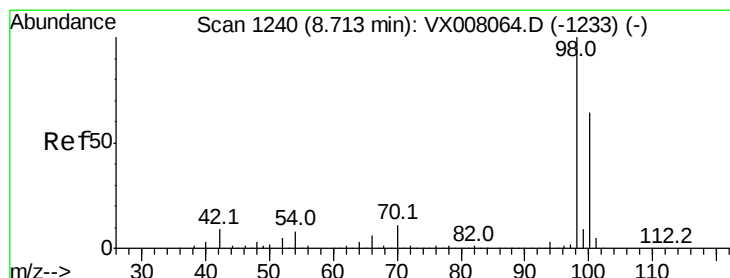
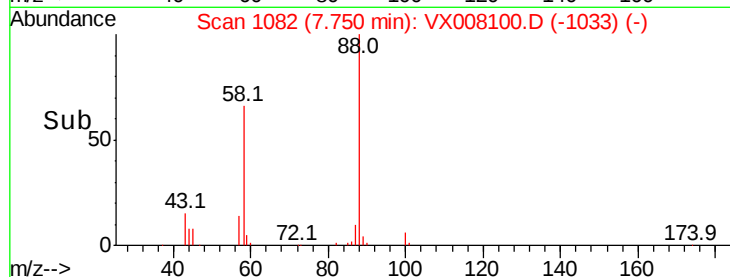
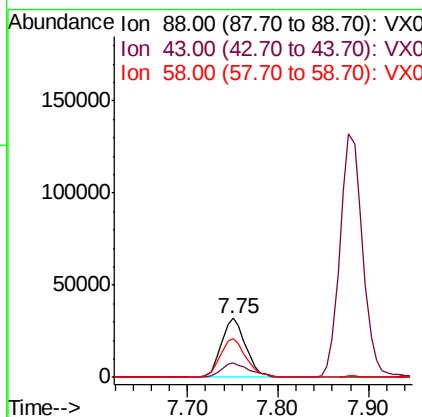
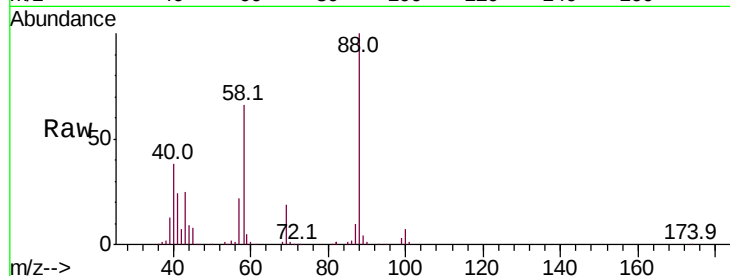
#49
1,4-Dioxane
Concen: 999.495 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	25.1	37.7
58	68.7	57.8	86.6

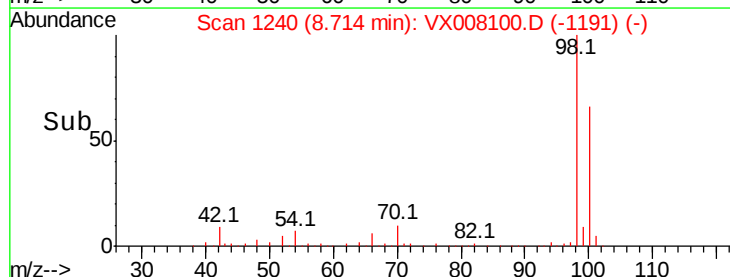
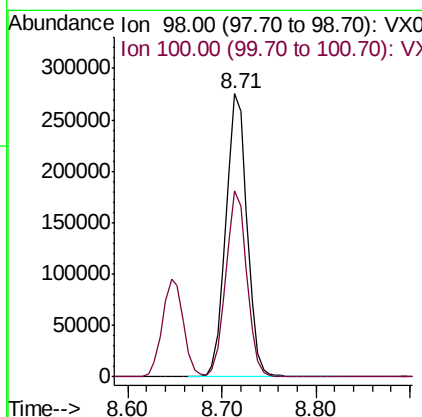
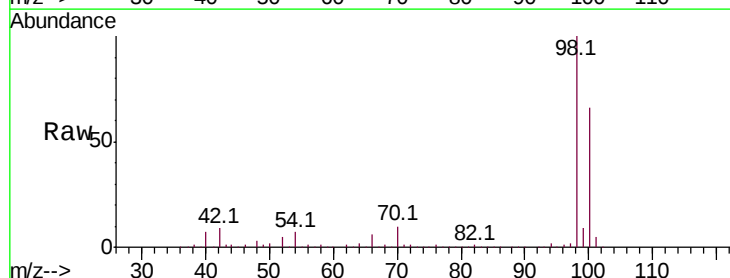
Manual Integrations
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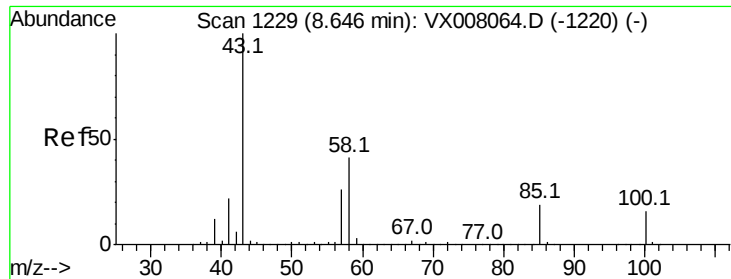
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3/15/2019 9:06:32 AM



#50
Toluene-d8
Concen: 46.621 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 238.215 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tot Ion: 43 Resp: 854391

Ion Ratio Lower Upper

43 100

58 41.2 31.3 46.9

Instrument :

MSVOA_X

ClientSampleId :

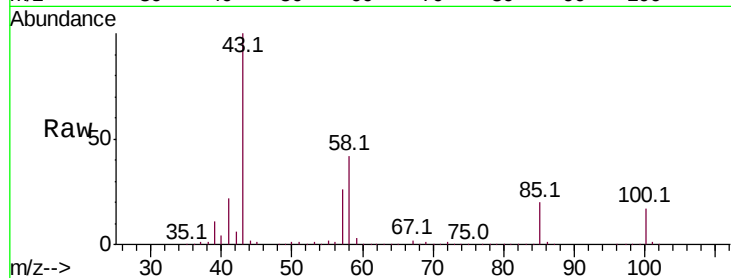
VSTDCCC050EC

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

600000

500000

400000

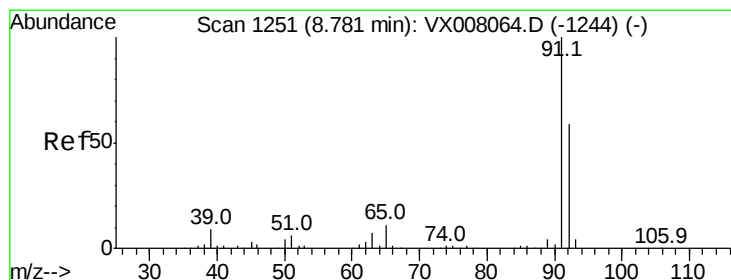
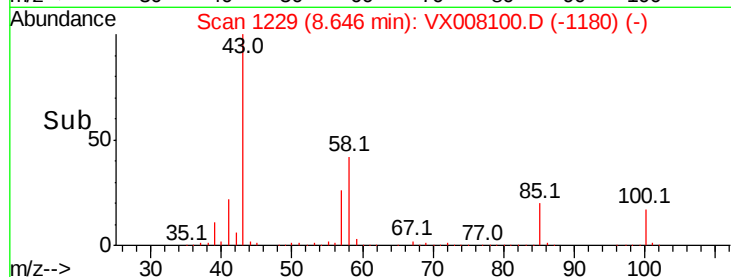
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.841 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008100.D

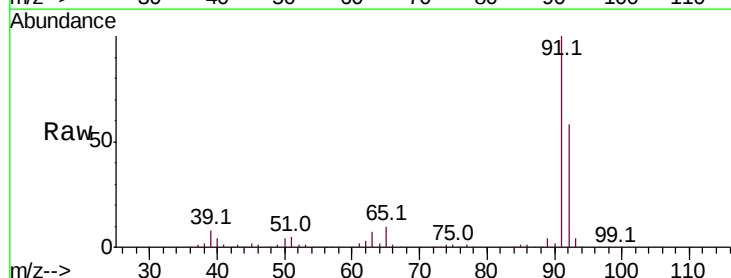
Acq: 15 Mar 2019 05:06

Tgt Ion: 92 Resp: 299035

Ion Ratio Lower Upper

92 100

91 171.3 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

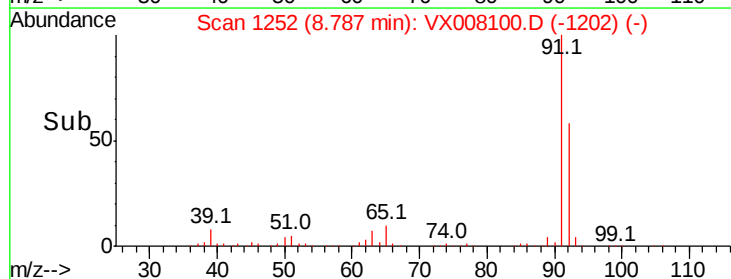
300000

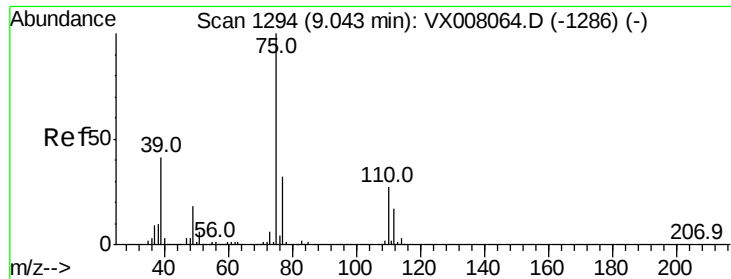
200000

100000

0

Time-->





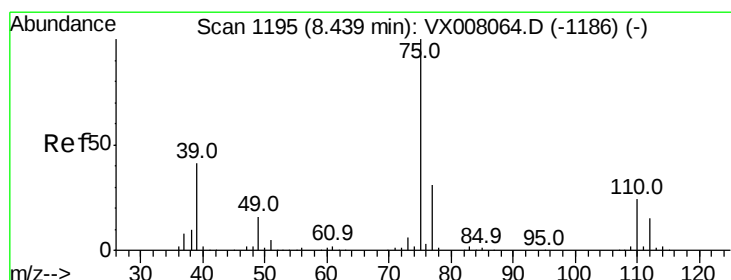
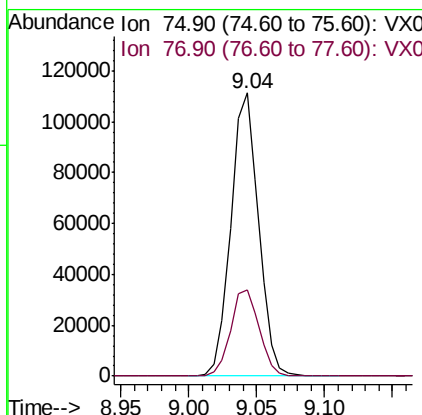
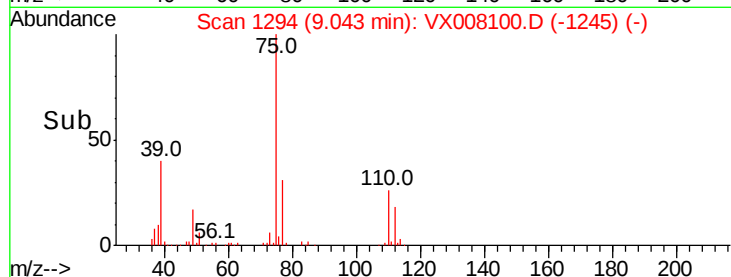
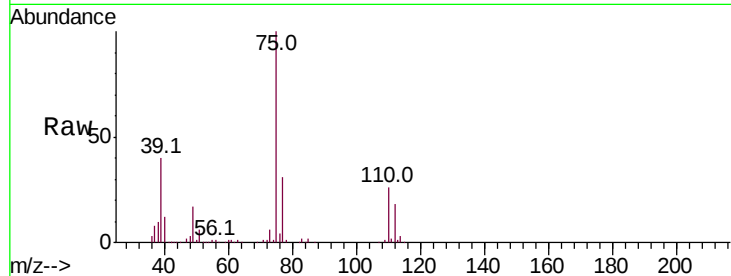
#53
t-1,3-Dichloropropene
Concen: 47.392 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 157362
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0

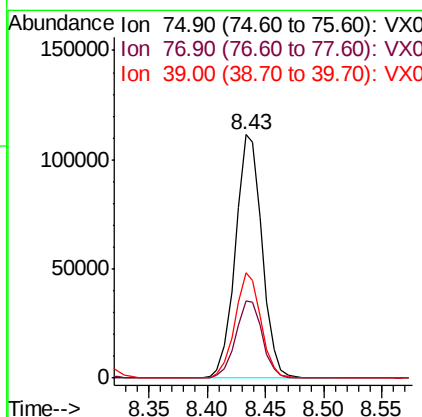
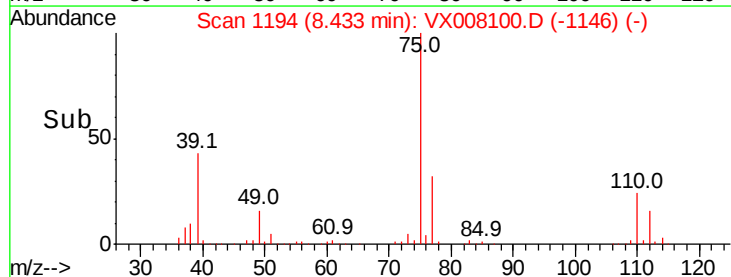
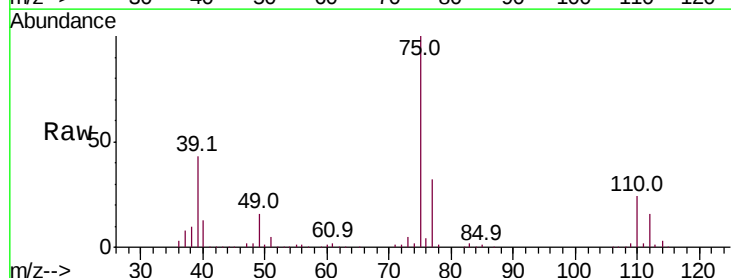
Manual Integrations
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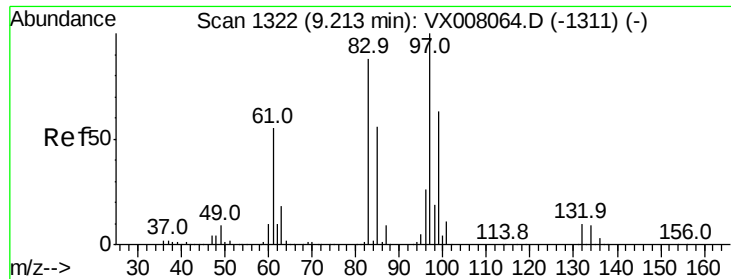
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3/15/2019 9:06:32 AM



#54
cis-1,3-Dichloropropene
Concen: 48.070 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion: 75 Resp: 177392
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 43.2 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 49.493 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 123386

Ion Ratio Lower Upper

97 100

83 85.1 69.1 103.7

85 53.1 44.3 66.5

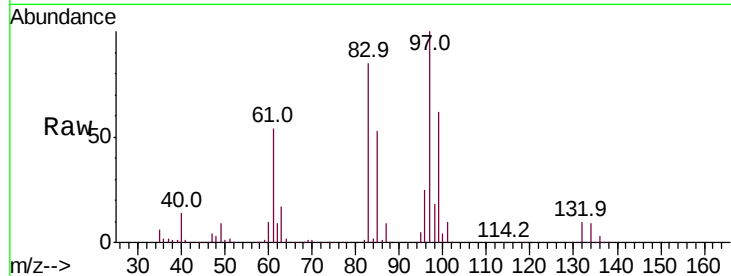
99 62.1 49.8 74.8

Manual Integrations

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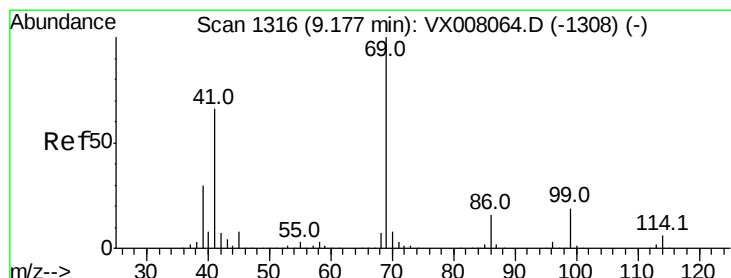
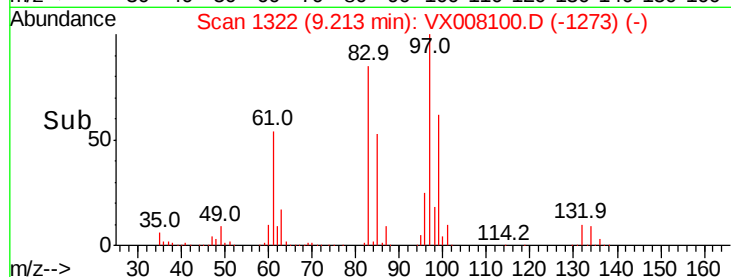
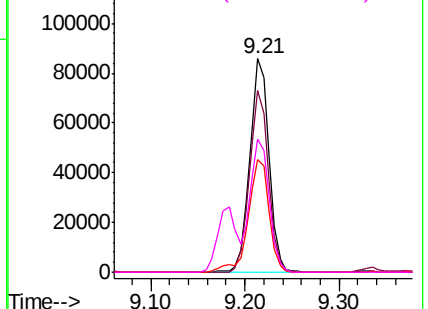


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 50.180 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

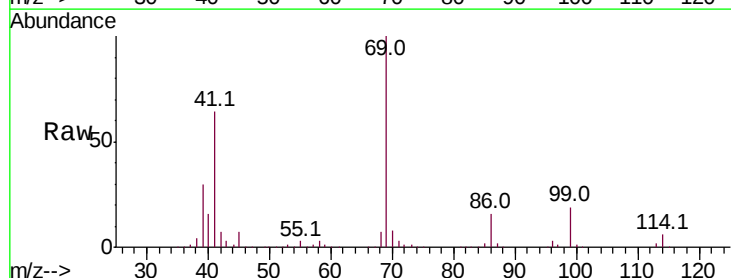
Tgt Ion: 69 Resp: 184789

Ion Ratio Lower Upper

69 100

41 62.5 54.2 81.4

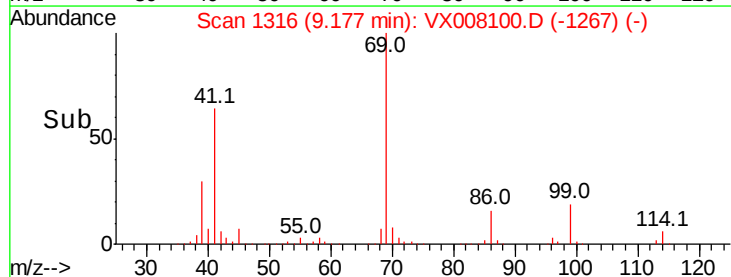
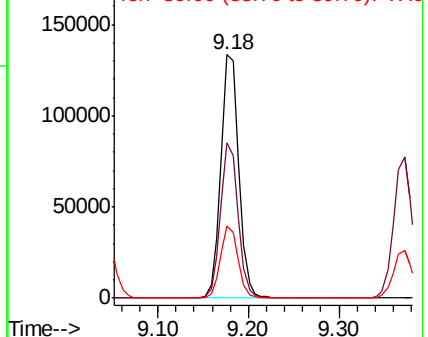
39 28.9 25.0 37.4

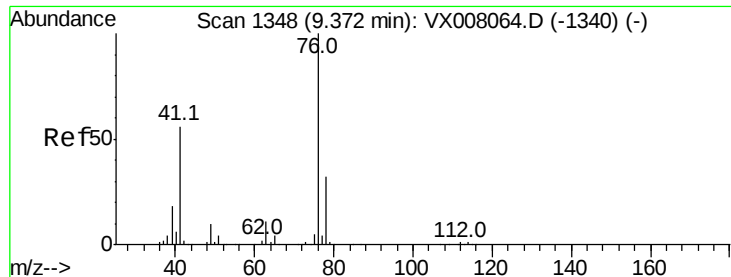


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





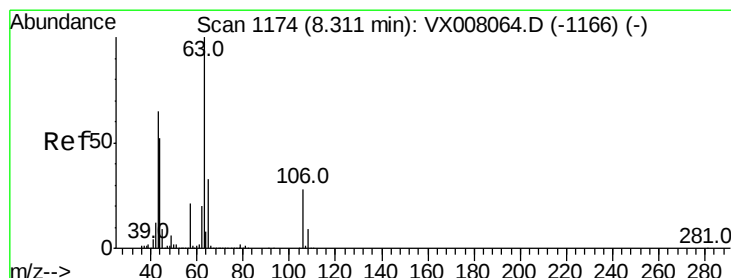
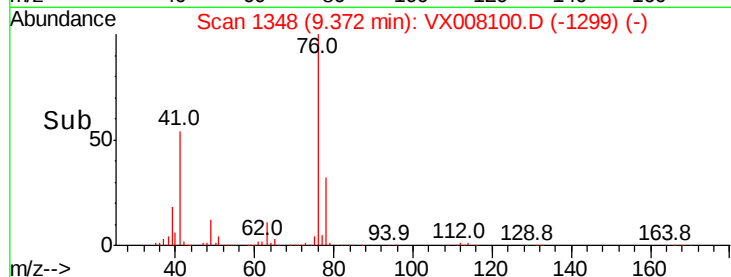
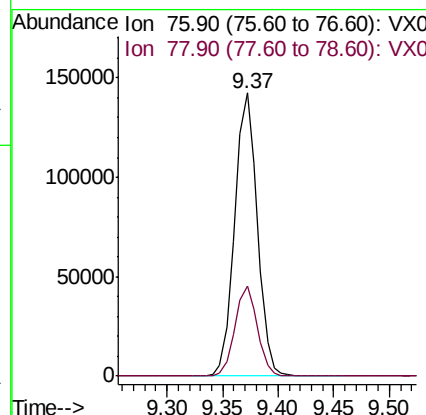
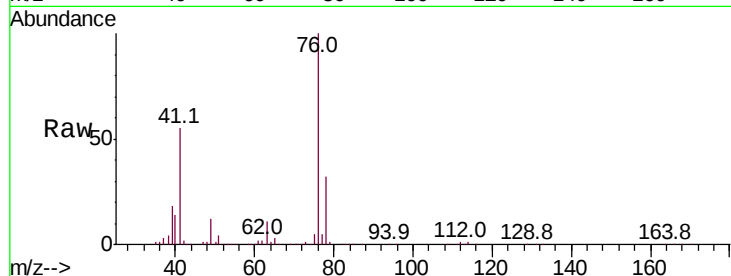
#57
 1,3-Dichloropropane
 Concen: 48.505 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

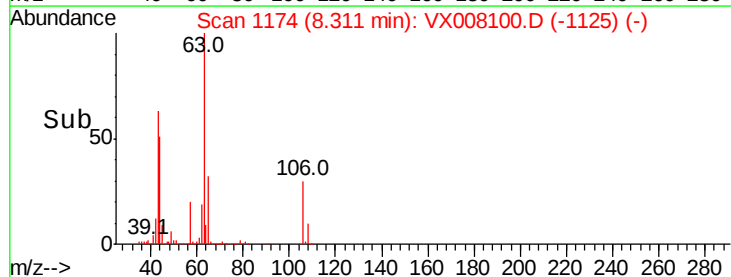
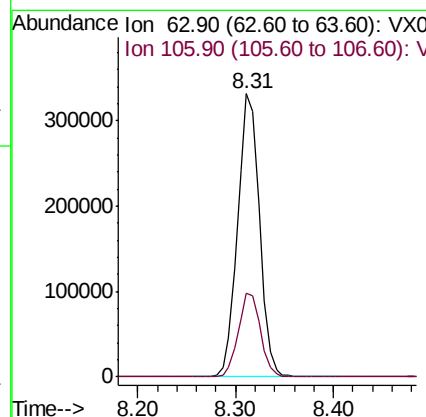
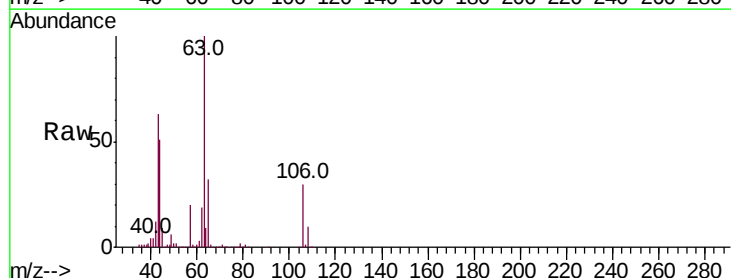
Manual Integrations
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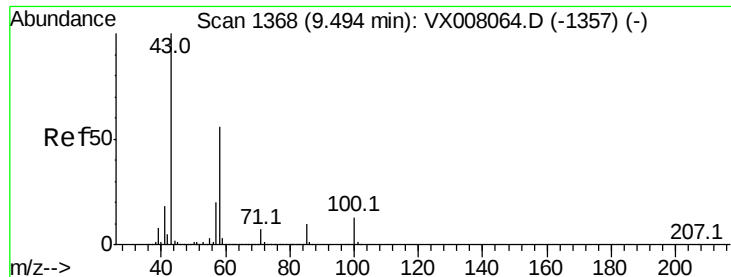
MMDadoda
 3/15/2019 9:06:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.633 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	22.2	33.2





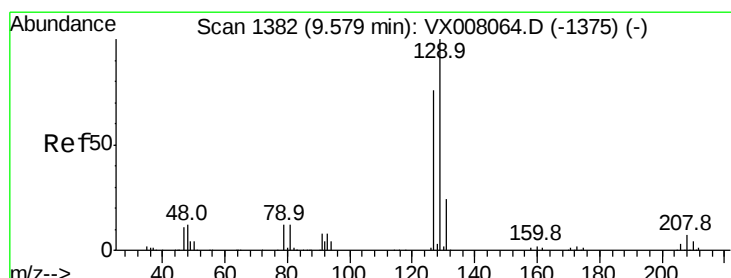
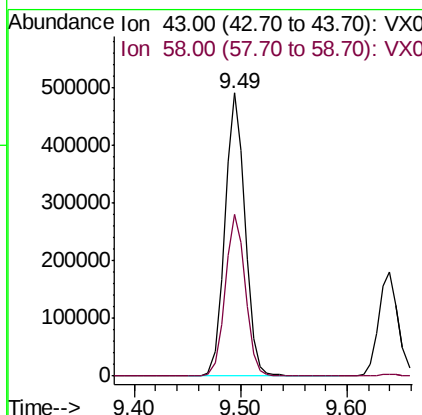
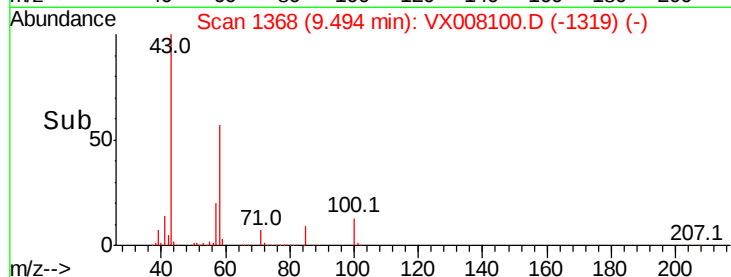
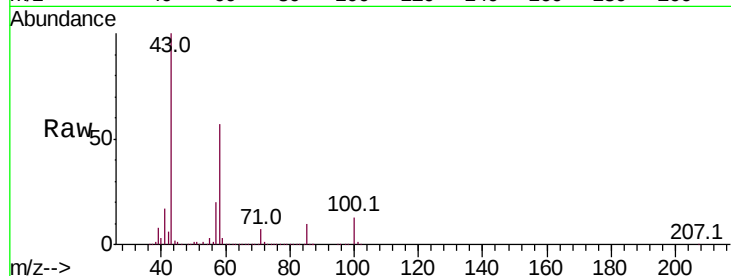
#59
2-Hexanone
Concen: 231.402 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 649081
Ion Ratio Lower Upper
43 100
58 57.6 27.6 82.7

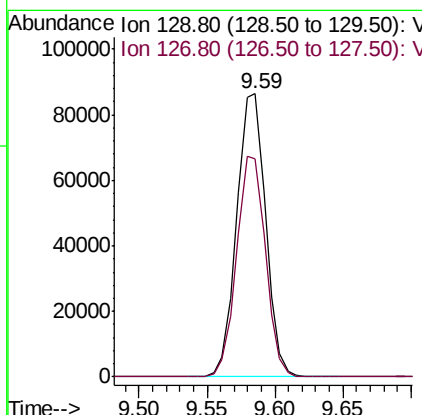
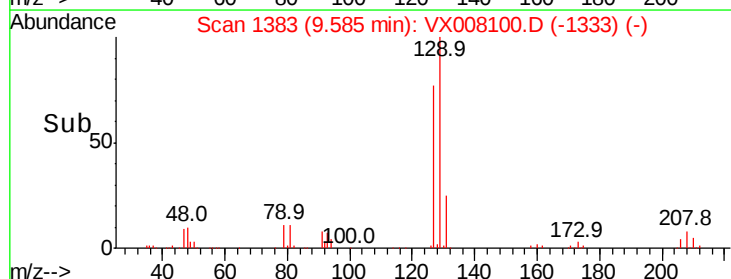
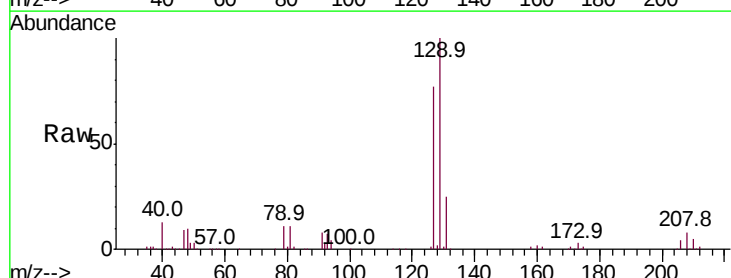
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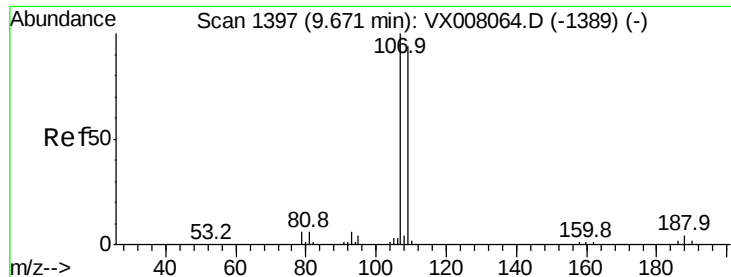
MMDadoda
3/15/2019 9:06:32 AM



#60
Dibromochloromethane
Concen: 49.964 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion: 129 Resp: 128379
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 50.300 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 131396

Ion Ratio Lower Upper

107 100

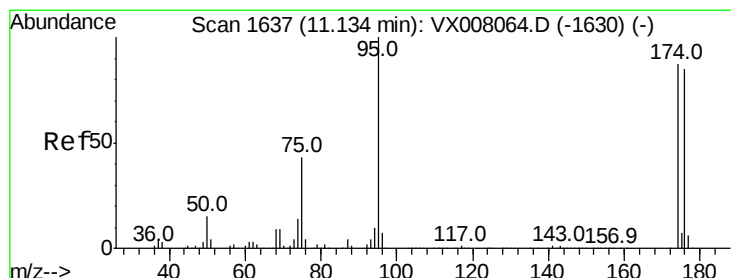
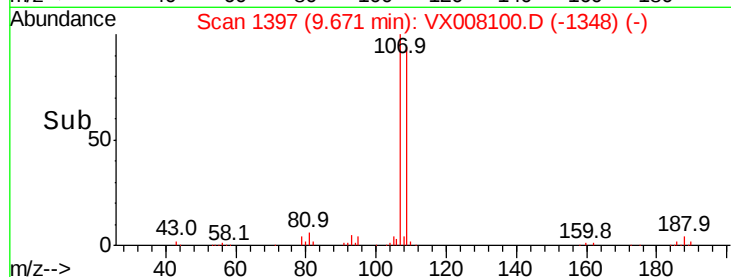
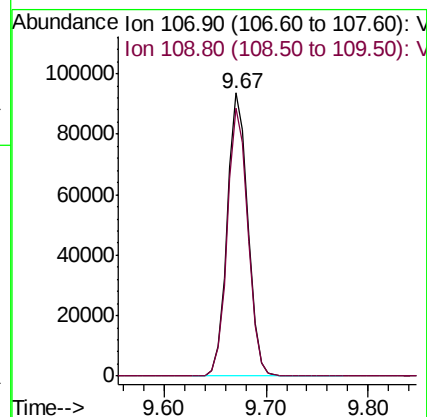
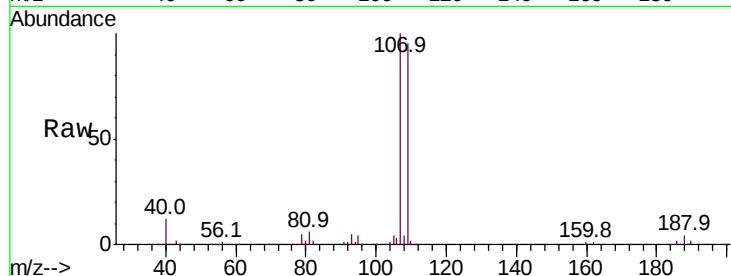
109 94.7 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 45.748 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

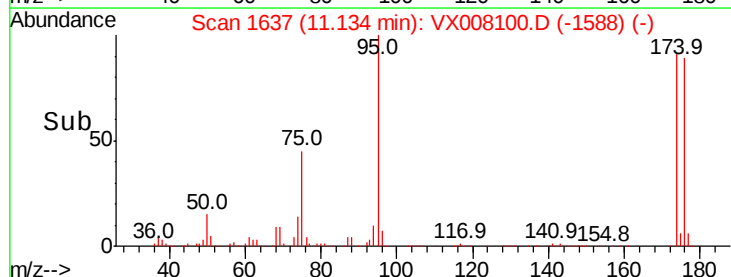
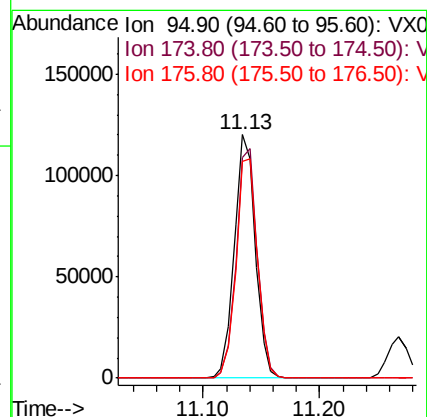
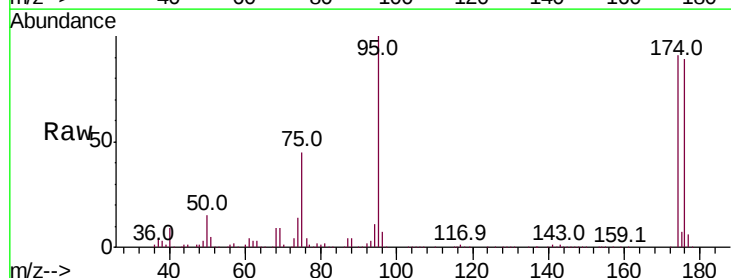
Tgt Ion: 95 Resp: 151063

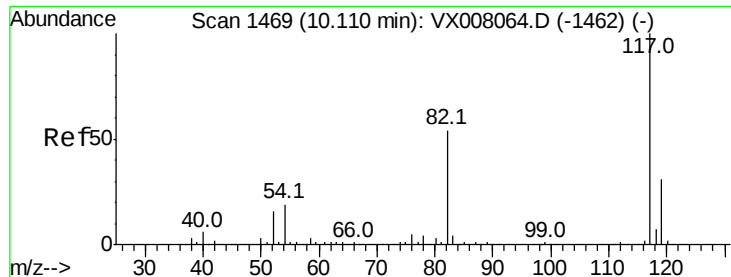
Ion Ratio Lower Upper

95 100

174 95.2 0.0 182.8

176 92.3 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:117 Resp: 337698

Ion Ratio Lower Upper

117 100

82 51.0 44.3 66.5

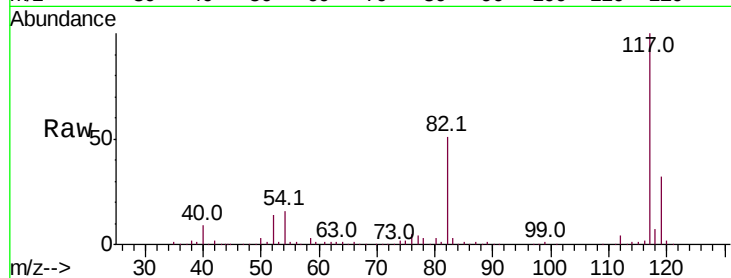
119 32.1 25.3 37.9

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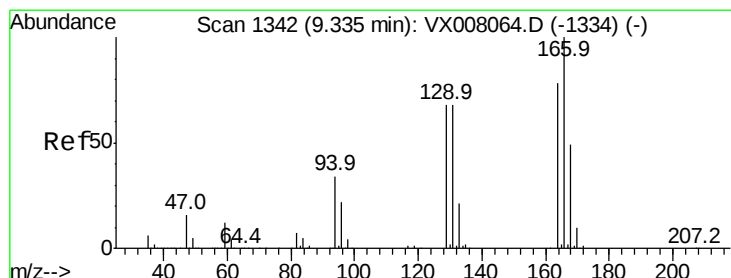
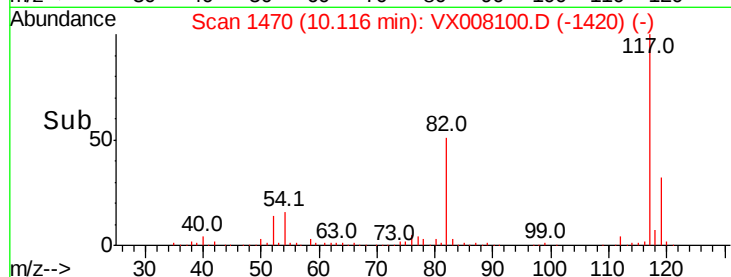
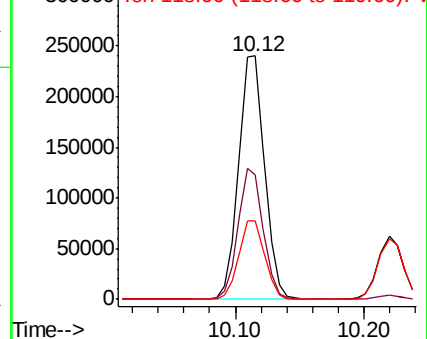


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 51.421 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion:164 Resp: 140696

Ion Ratio Lower Upper

164 100

166 128.1 103.4 155.0

129 85.9 72.2 108.4

131 84.3 69.4 104.2

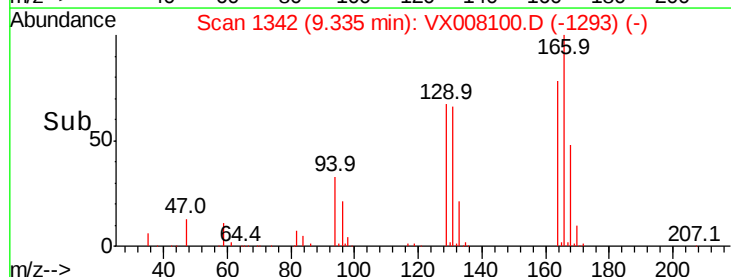
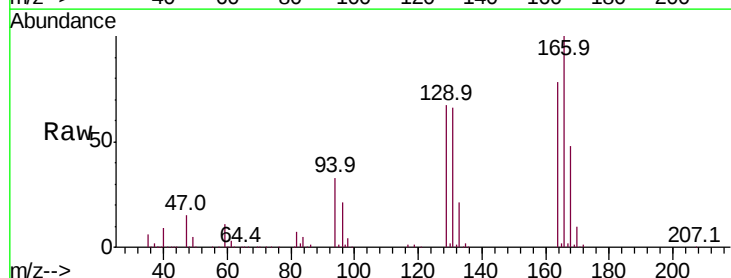
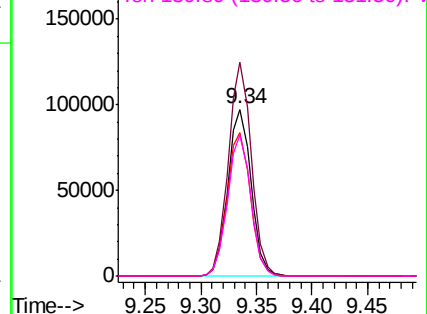
Abundance

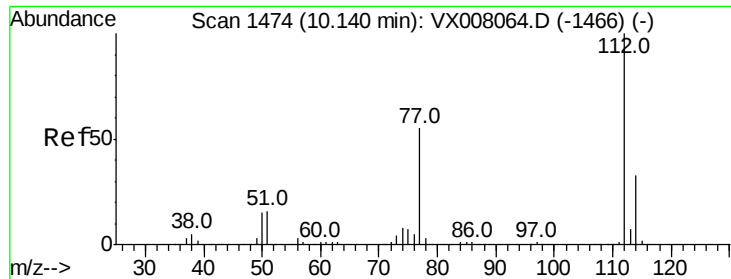
Ion 163.80 (163.50 to 164.50): V

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: 49.279 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 330242

Ion Ratio Lower Upper

112 100

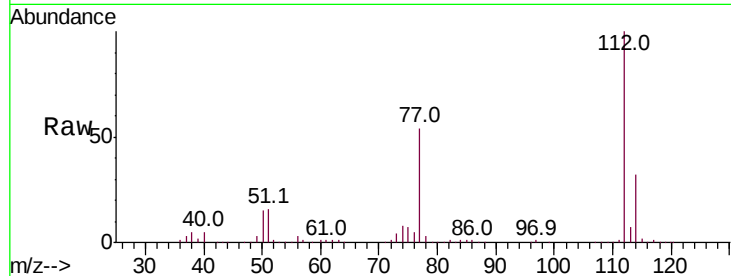
114 32.3 26.0 39.0

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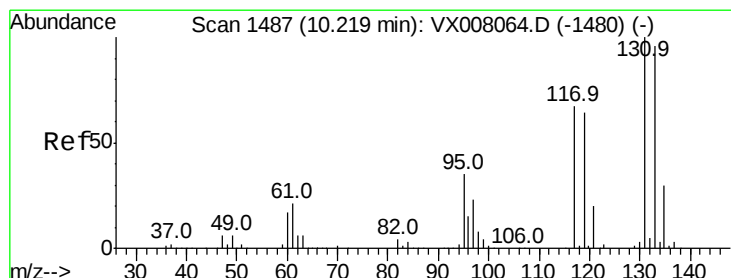
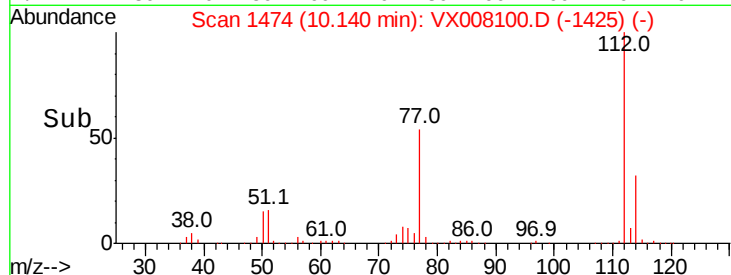
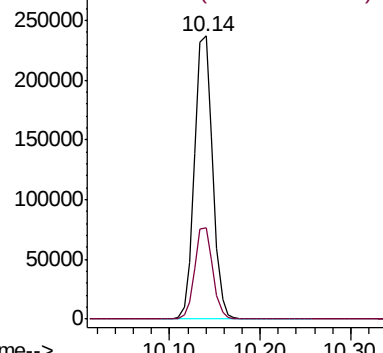
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.030 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

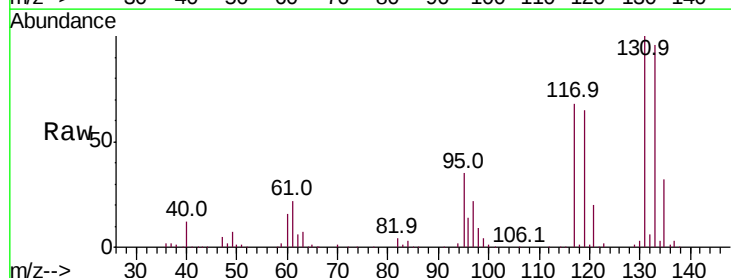
Tgt Ion:131 Resp: 123743

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

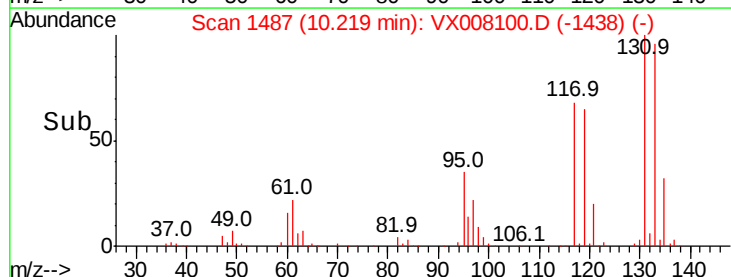
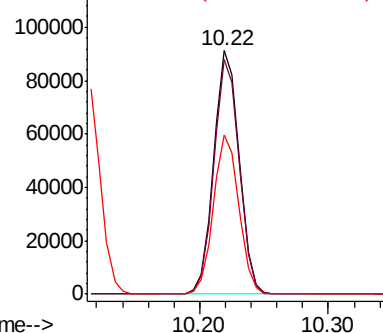
119 65.5 32.5 97.5

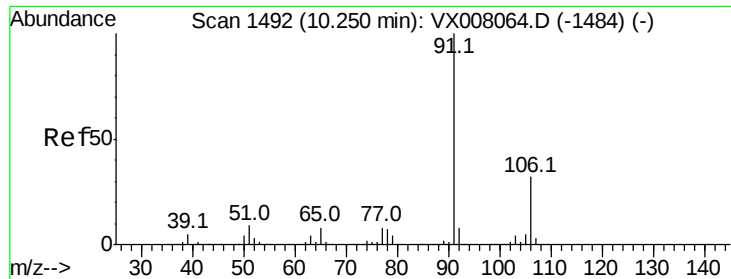


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





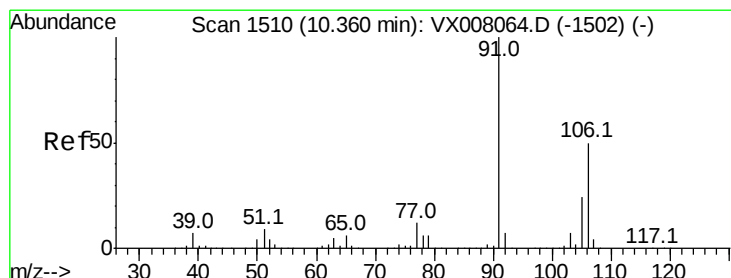
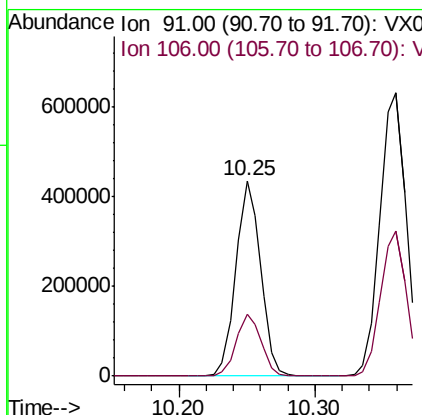
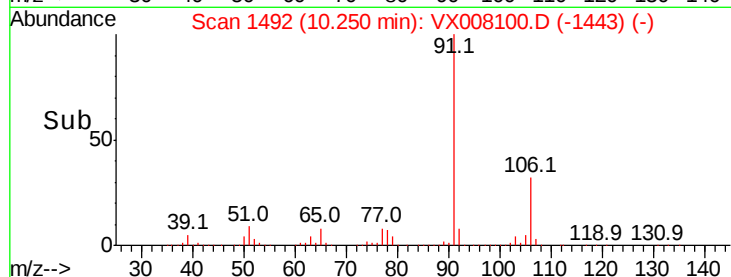
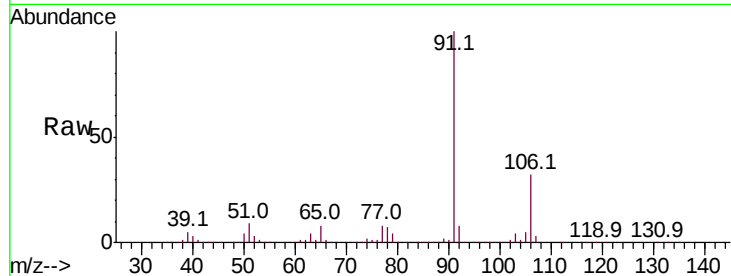
#67
Ethyl Benzene
Concen: 49.753 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 551873
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8

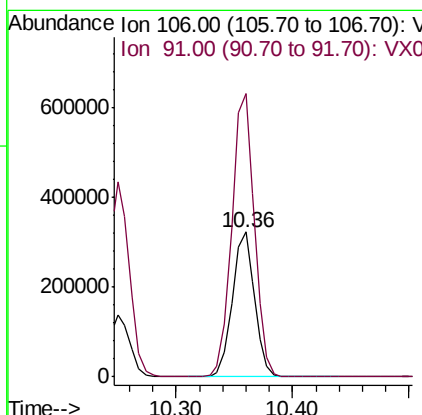
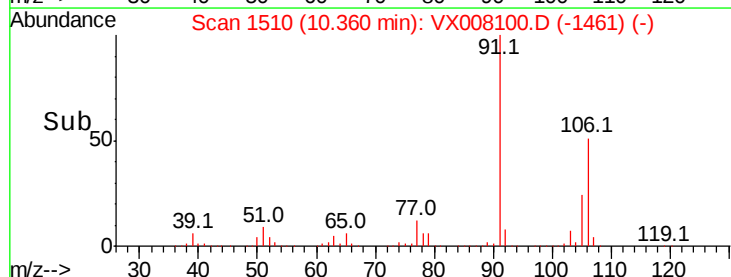
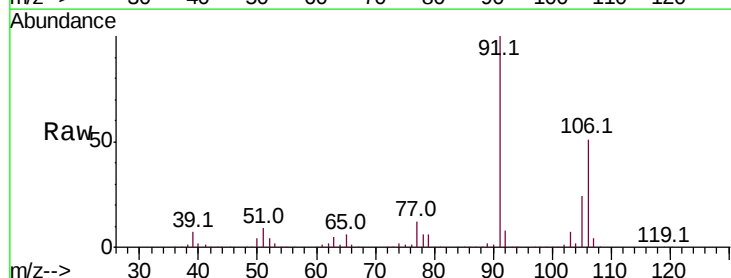
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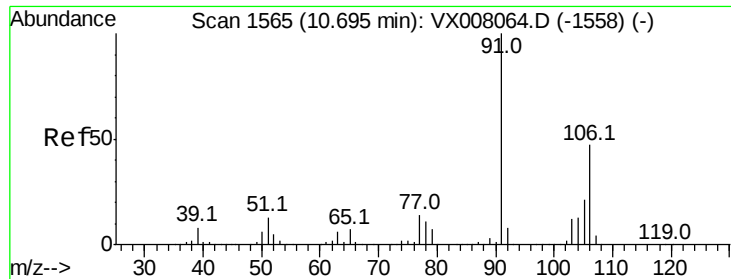
MMDadoda
3/15/2019 9:06:32 AM



#68
m/p-Xylenes
Concen: 100.969 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion: 106 Resp: 428556
Ion Ratio Lower Upper
106 100
91 199.0 159.8 239.6





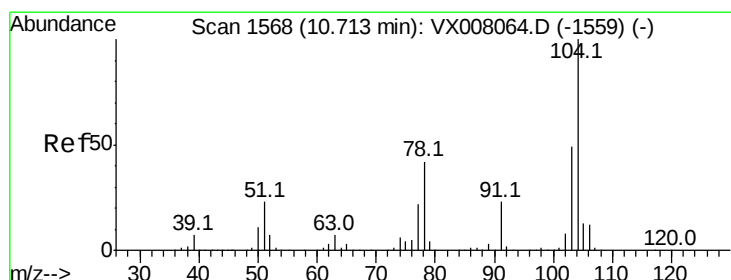
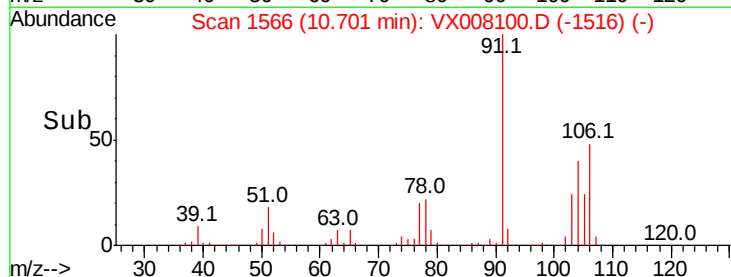
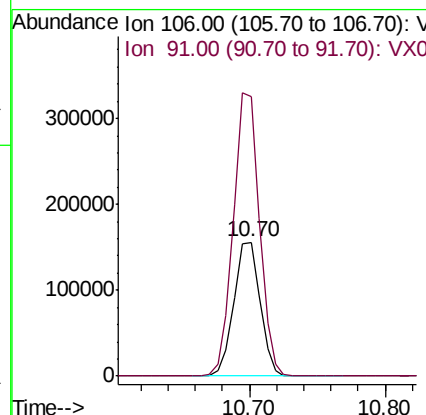
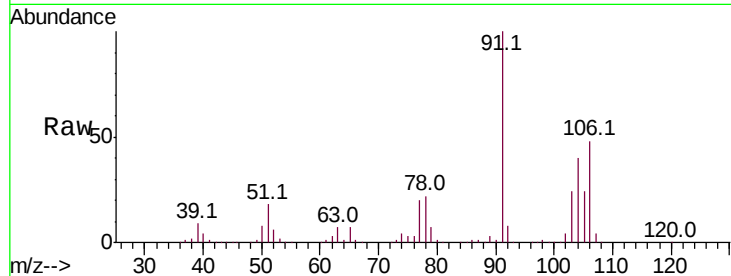
#69
o-Xylene
Concen: 50.768 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 210059
Ion Ratio Lower Upper
106 100
91 210.2 106.3 318.9

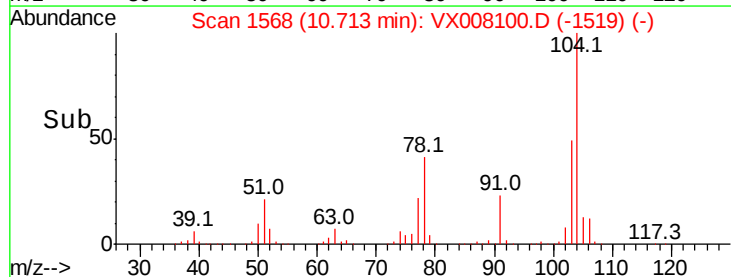
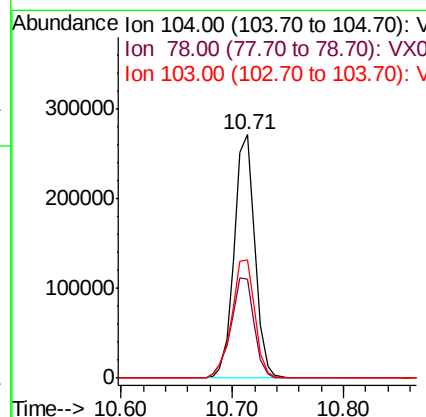
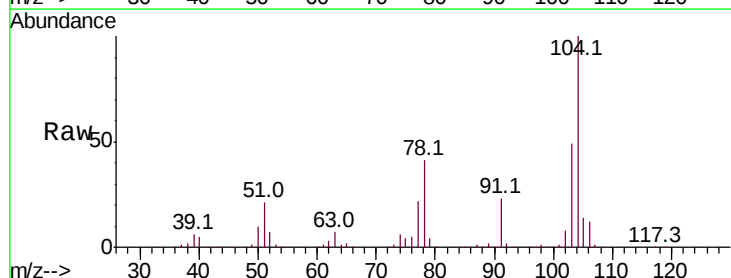
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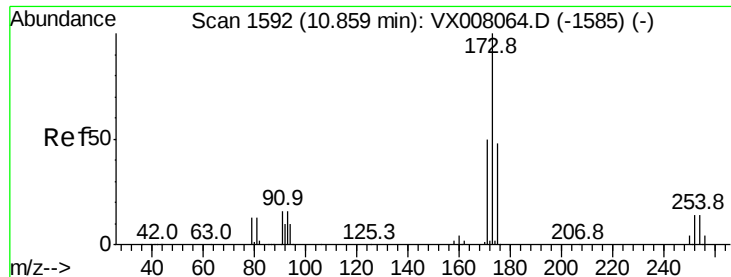
MMDadoda
3/15/2019 9:06:32 AM



#70
Styrene
Concen: 51.424 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion:104 Resp: 348570
Ion Ratio Lower Upper
104 100
78 46.6 38.5 57.7
103 54.6 44.1 66.1





#71

Bromoform

Concen: 52.180 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 102700

Ion Ratio Lower Upper

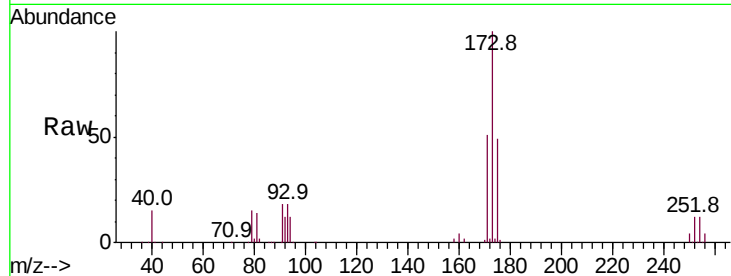
173 100

175 49.0 24.3 72.9

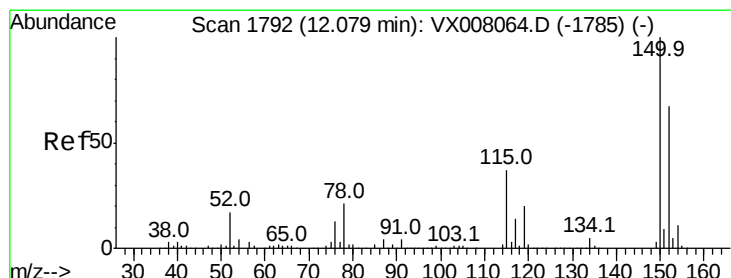
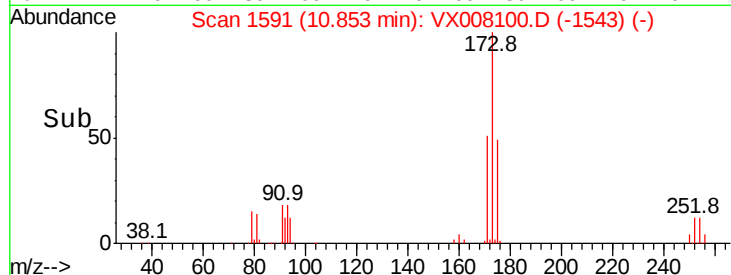
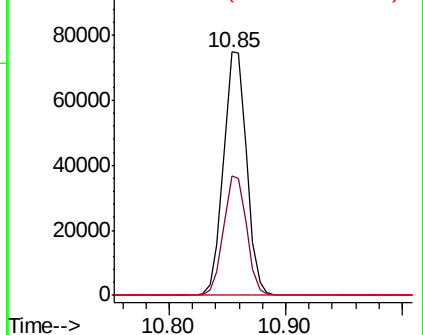
254 0.2 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

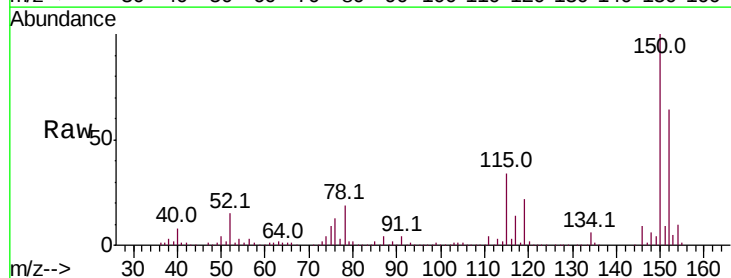
Tgt Ion:152 Resp: 170960

Ion Ratio Lower Upper

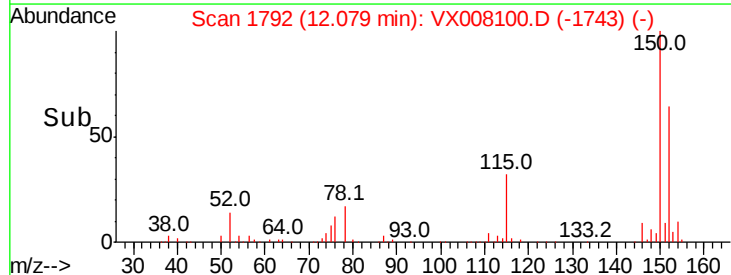
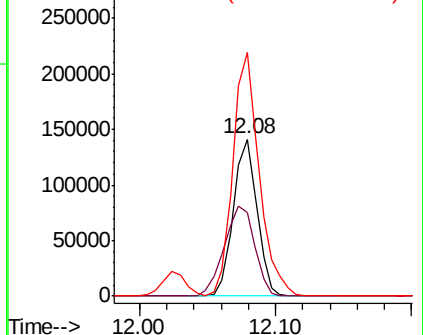
152 100

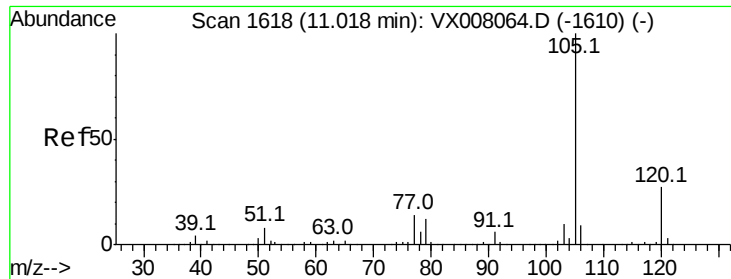
115 73.9 38.6 115.7

150 172.4 0.0 348.4



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





#73

Isopropylbenzene

Concen: 50.986 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 558284

Ion Ratio Lower Upper

105 100

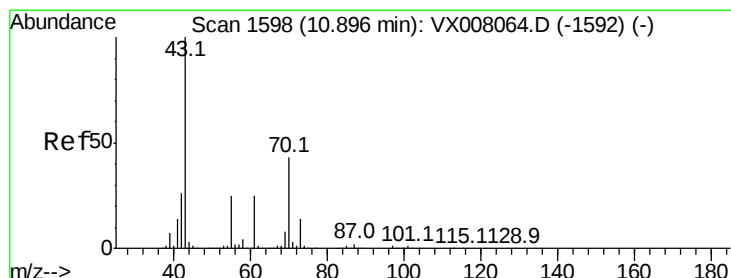
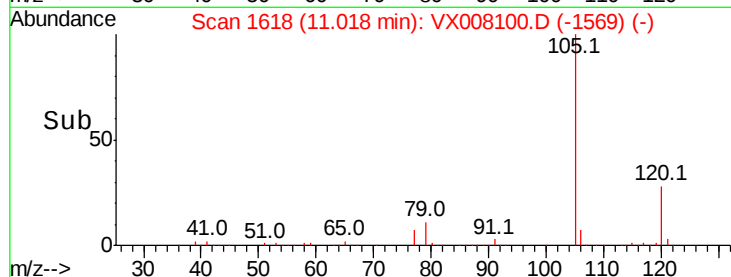
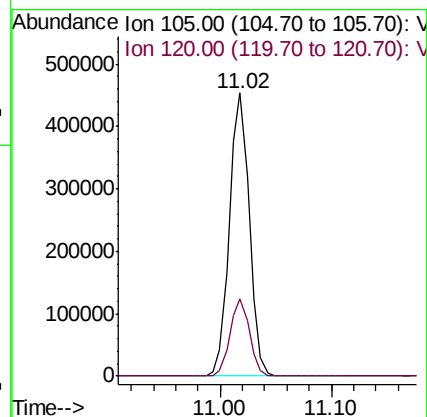
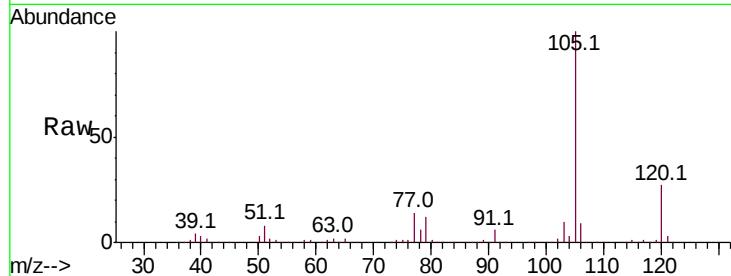
120 26.9 13.4 40.1

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#74

N-ethyl acetate

Concen: 48.278 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion: 43 Resp: 222996

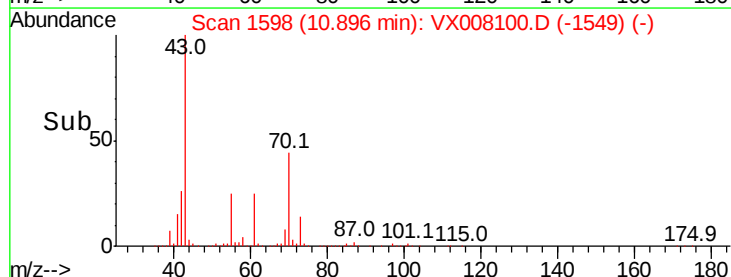
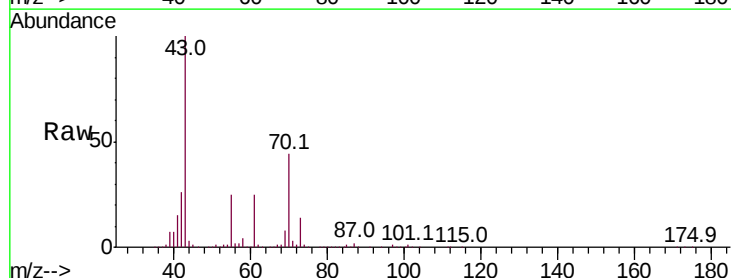
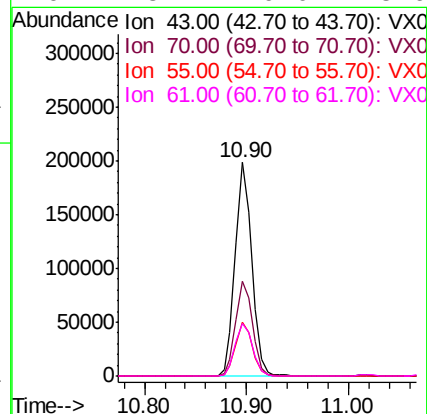
Ion Ratio Lower Upper

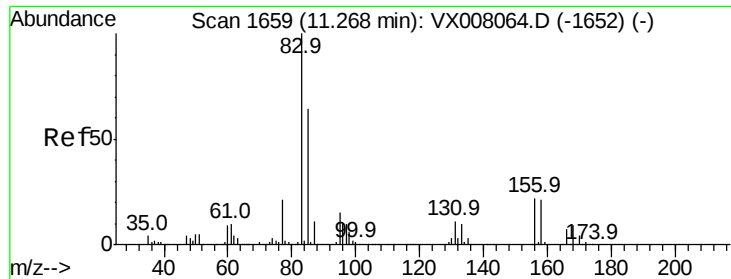
43 100

70 45.0 33.5 50.3

55 25.5 19.2 28.8

61 25.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.830 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 175190

Ion Ratio Lower Upper

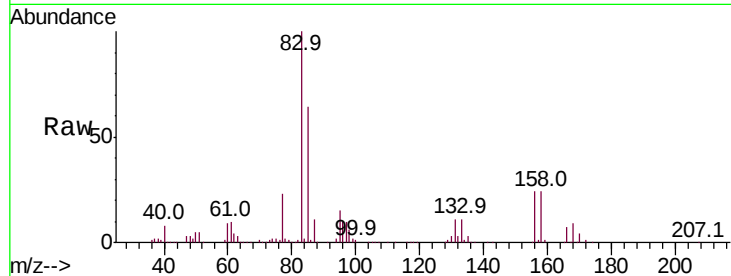
83 100

131 11.1 5.4 16.2

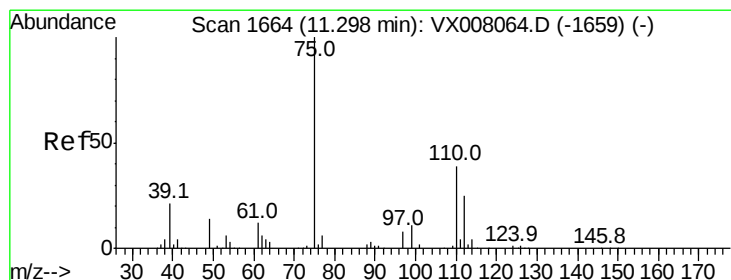
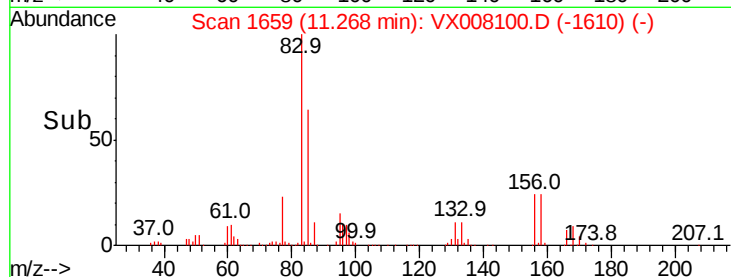
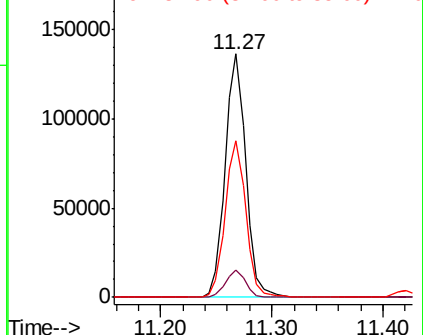
85 64.6 32.3 96.8

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



#76

1,2,3-Trichloropropane

Concen: 56.825 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX008100.D

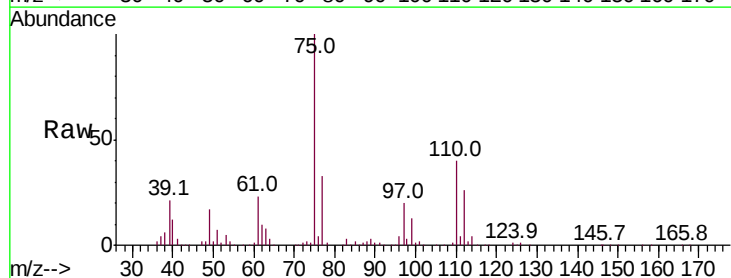
Acq: 15 Mar 2019 05:06

Tgt Ion: 75 Resp: 168717

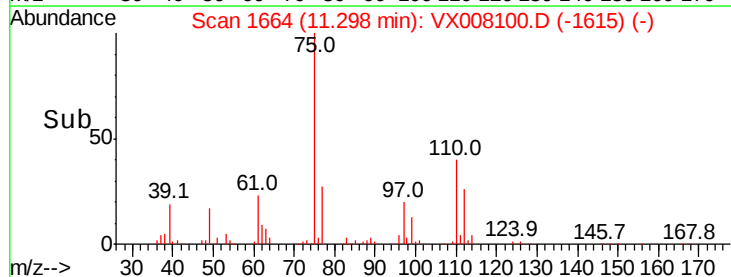
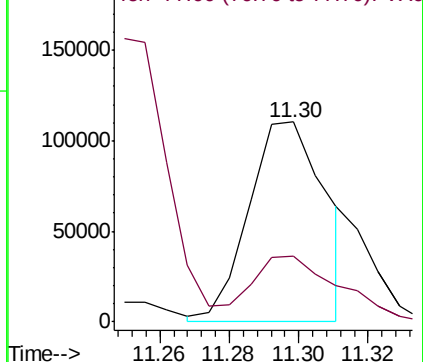
Ion Ratio Lower Upper

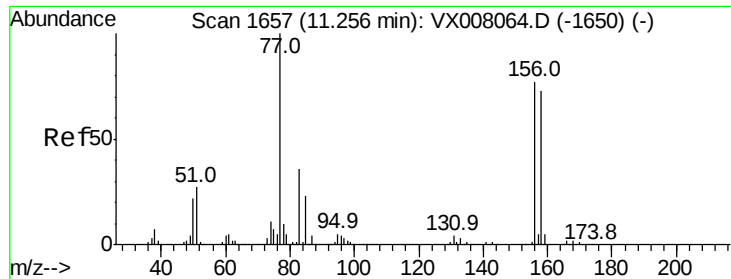
75 100

77 38.7 18.9 56.7



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





#77

Bromobenzene

Concen: 50.453 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 150791

Ion Ratio Lower Upper

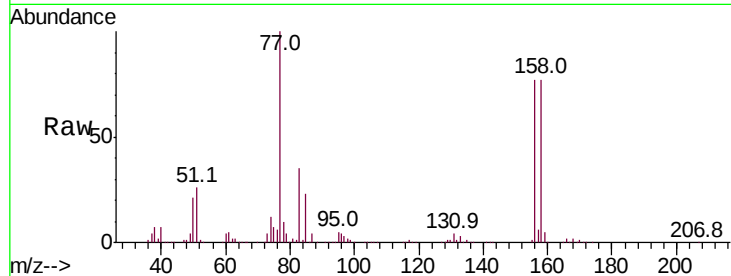
156 100

77 136.4 72.0 215.9

158 99.3 48.6 145.9

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

200000

150000

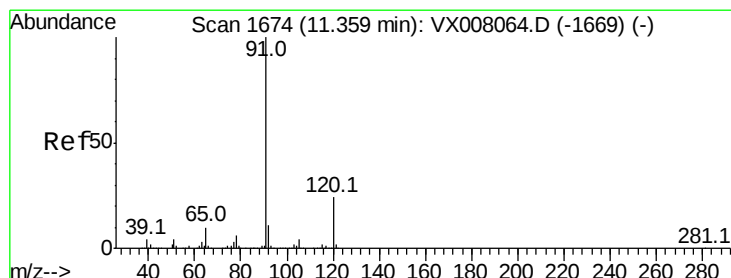
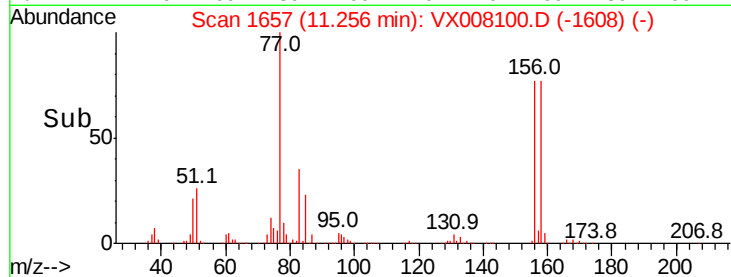
100000

50000

0

11.20 11.30

Time-->



#78

n-propylbenzene

Concen: 50.243 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008100.D

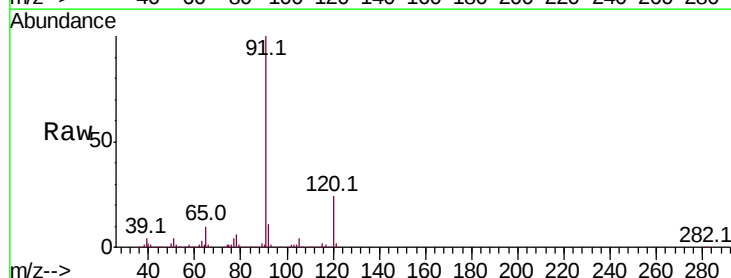
Acq: 15 Mar 2019 05:06

Tgt Ion: 91 Resp: 603574

Ion Ratio Lower Upper

91 100

120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

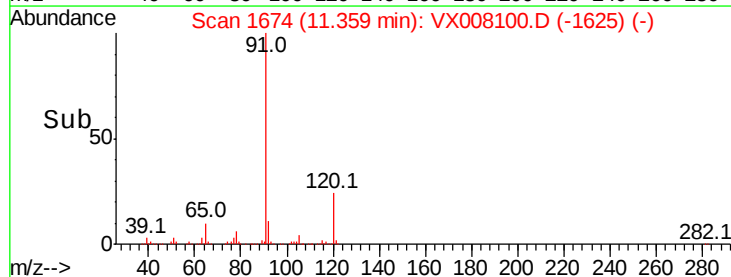
200000

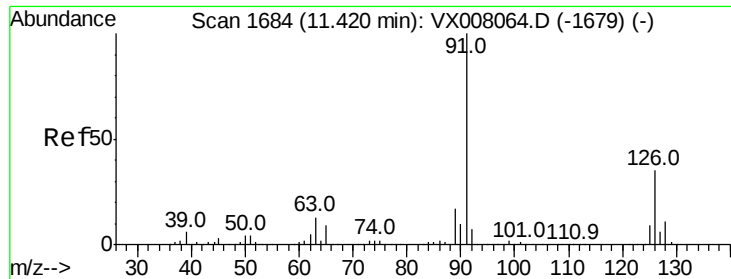
100000

0

11.30 11.35 11.40

Time-->





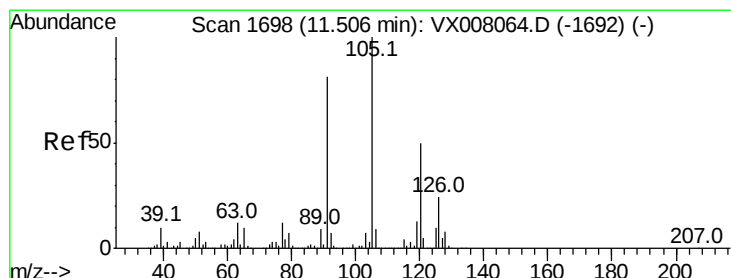
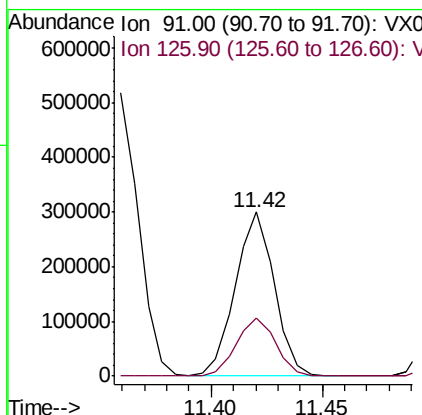
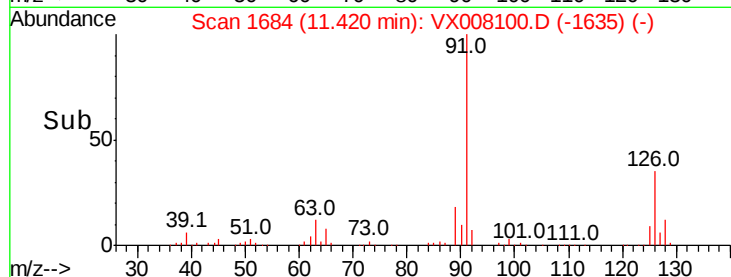
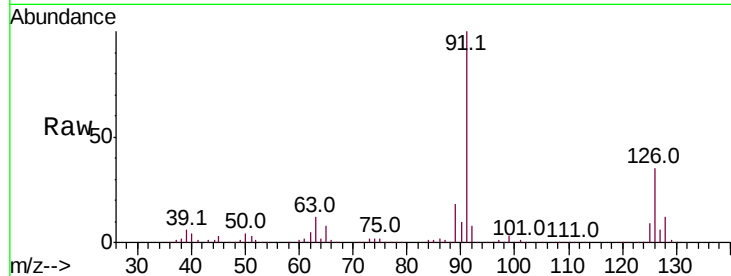
#79
2-Chlorotoluene
Concen: 49.583 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 363771
Ion Ratio Lower Upper
91 100
126 36.0 17.5 52.6

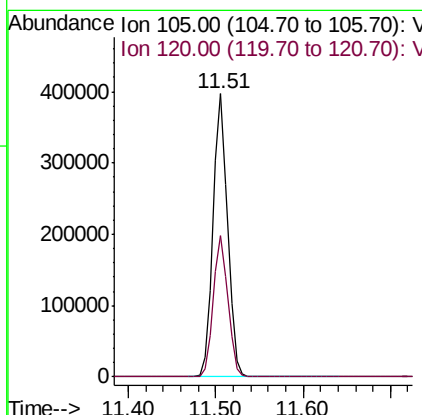
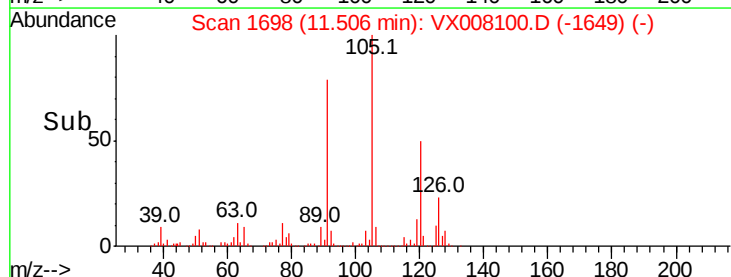
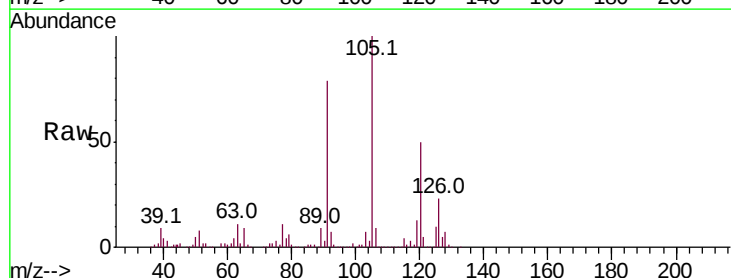
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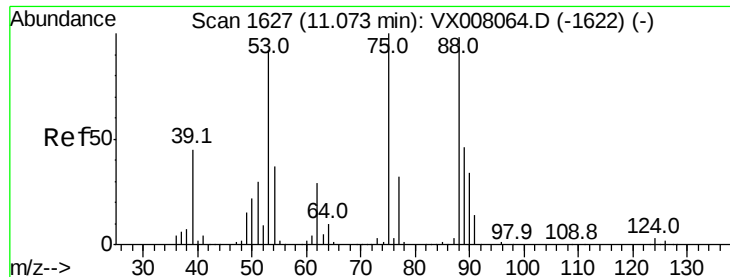
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#80
1,3,5-Trimethylbenzene
Concen: 50.957 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX008100.D
Acq: 15 Mar 2019 05:06

Tgt Ion: 105 Resp: 459780
Ion Ratio Lower Upper
105 100
120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 45.946 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 47939

Ion Ratio Lower Upper

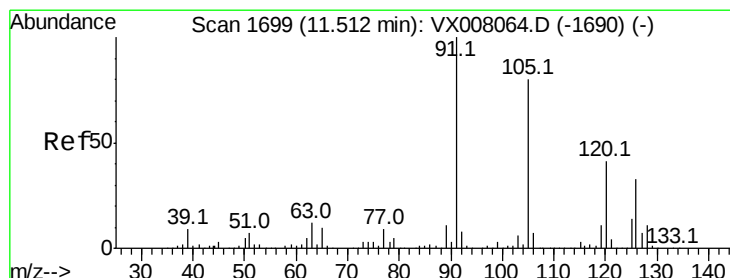
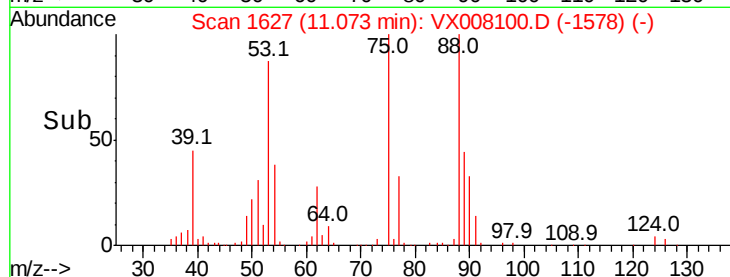
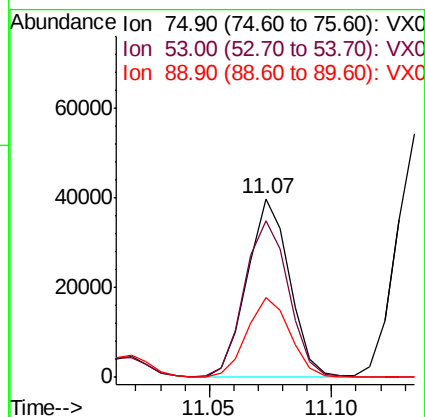
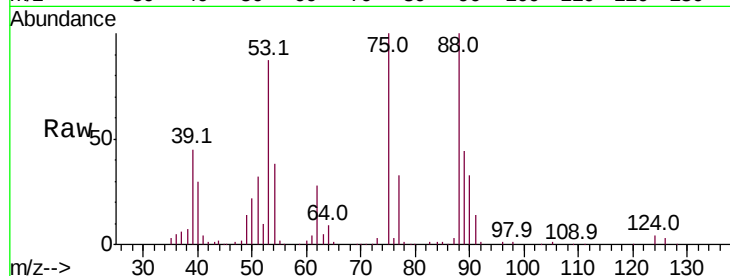
75 100

53 91.8 76.1 114.1

89 45.8 36.3 54.5

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#82

4-Chlorotoluene

Concen: 49.869 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008100.D

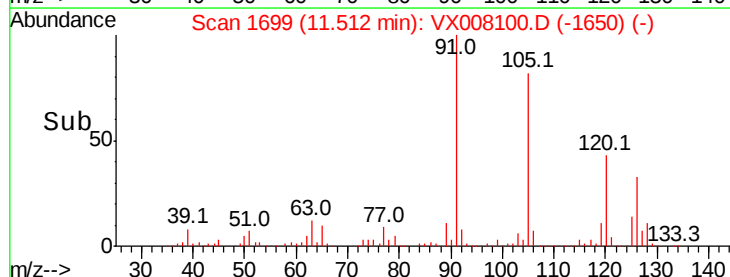
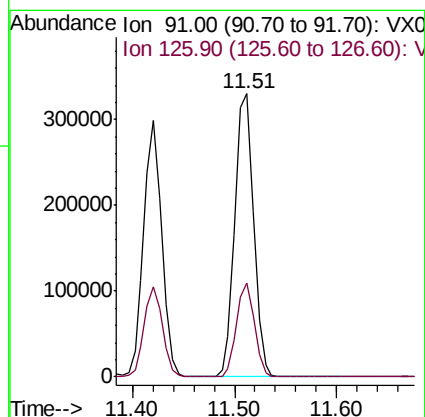
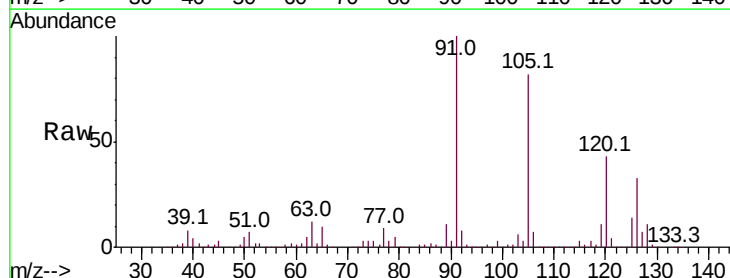
Acq: 15 Mar 2019 05:06

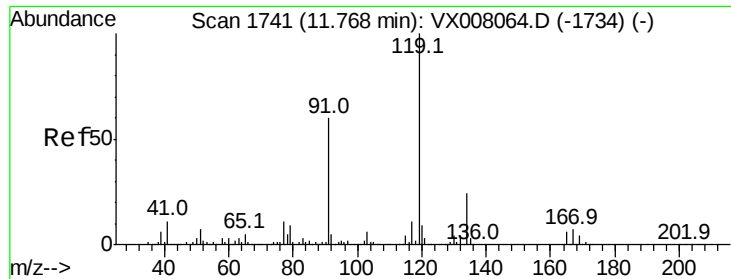
Tgt Ion: 91 Resp: 419027

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8





#83

tert-Butylbenzene

Concen: 50.513 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008100.D

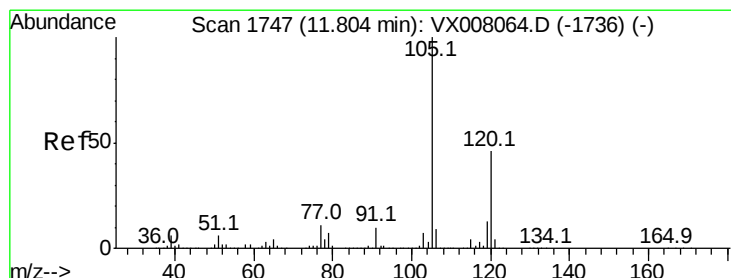
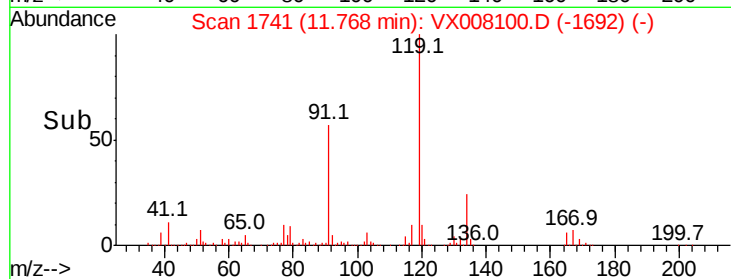
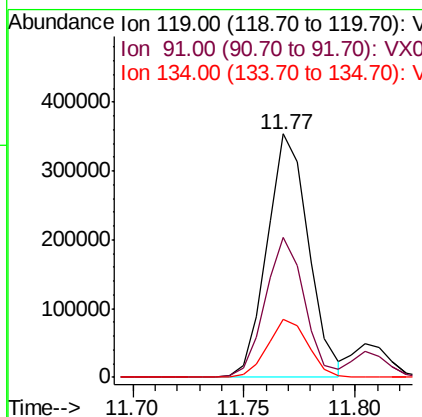
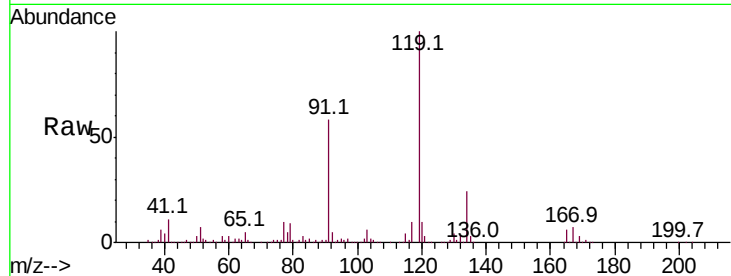
Acq: 15 Mar 2019 05:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	456736		
91	54.9	27.1	81.3	
134	23.2	11.4	34.1	

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#84

1,2,4-Trimethylbenzene

Concen: 50.853 ug/l

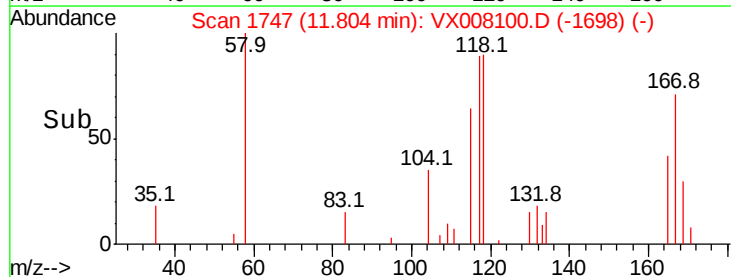
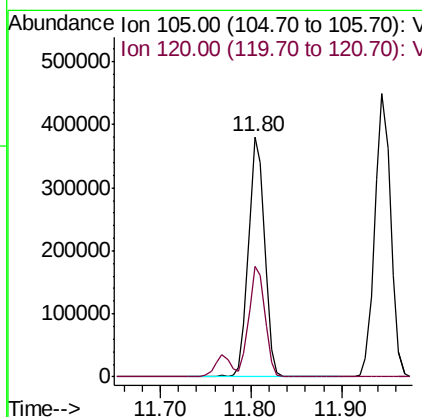
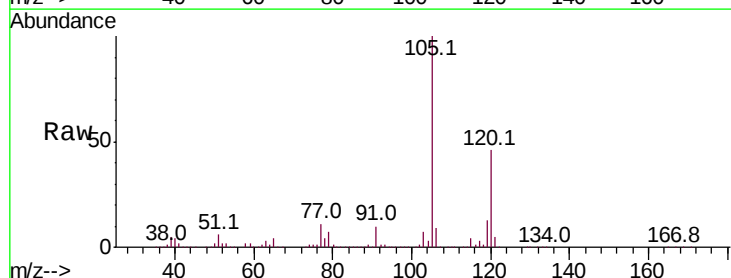
RT: 11.80 min Scan# 1747

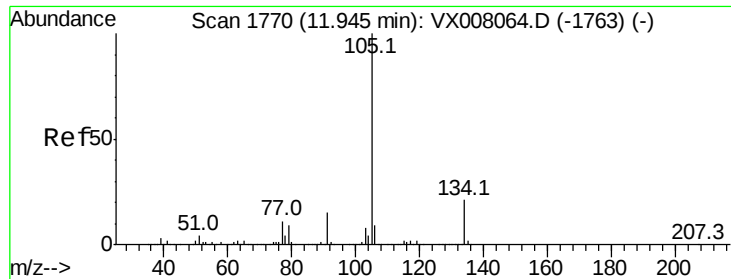
Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	473296		
120	45.4	22.6	67.7	





#85

sec-Butylbenzene

Concen: 50.761 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 546847

Ion Ratio Lower Upper

105 100

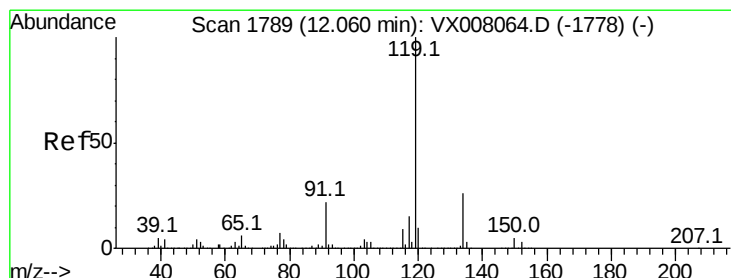
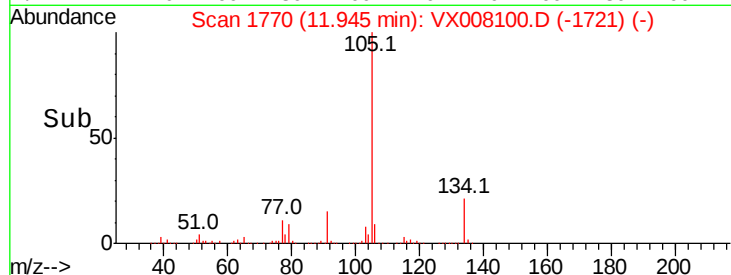
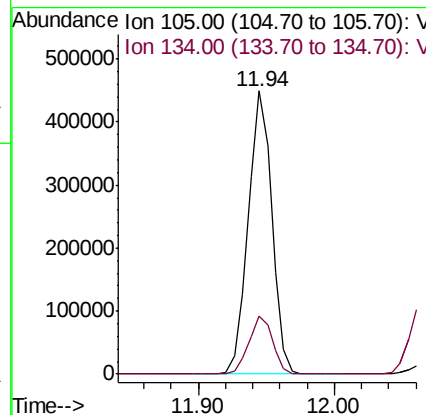
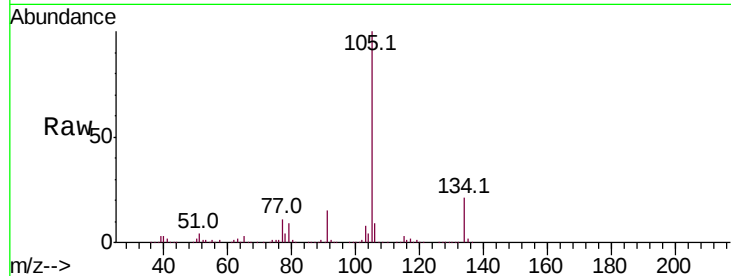
134 20.7 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 50.760 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

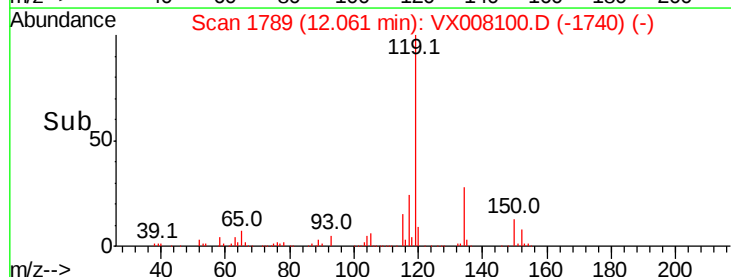
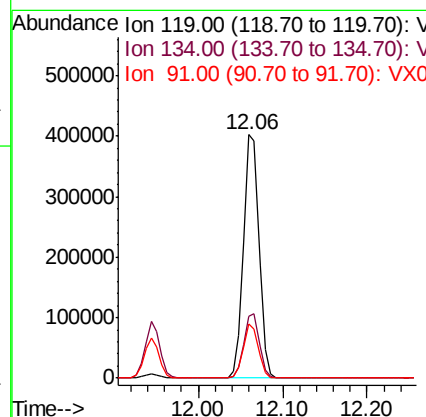
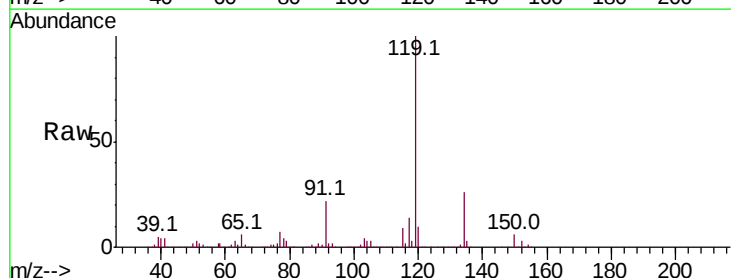
Tgt Ion:119 Resp: 494560

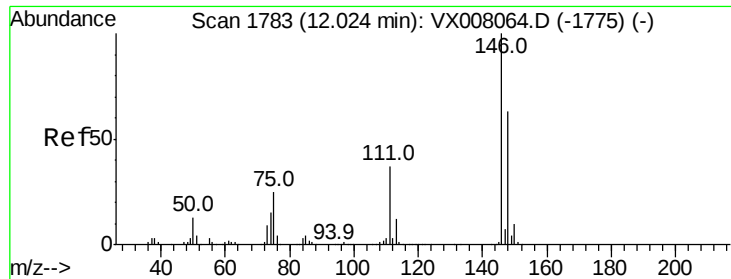
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 21.5 10.9 32.7





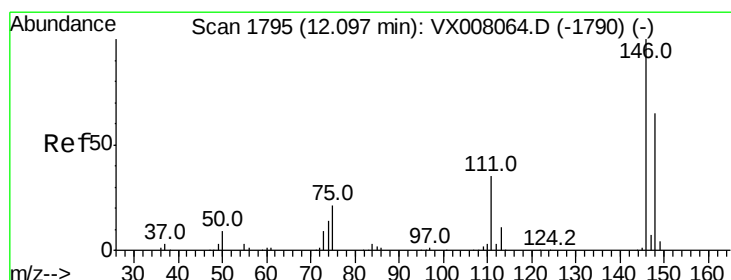
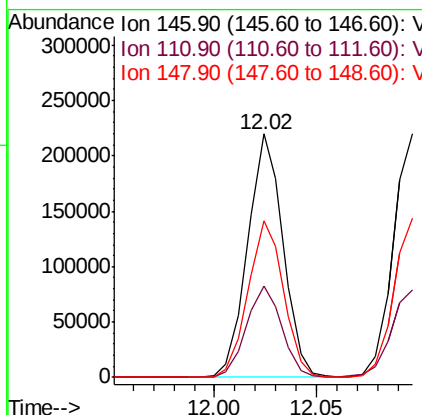
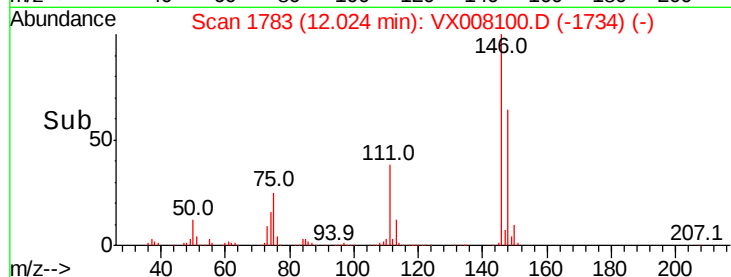
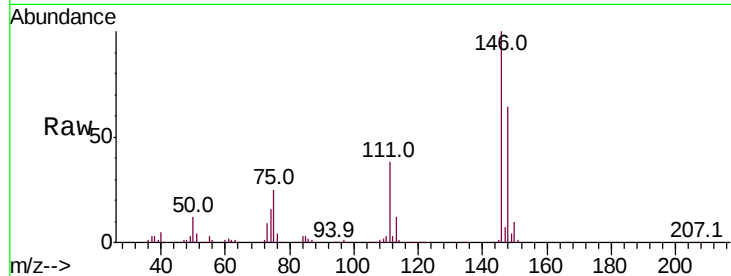
#87
 1,3-Dichlorobenzene
 Concen: 49.733 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.7
148	64.5	31.7	95.1

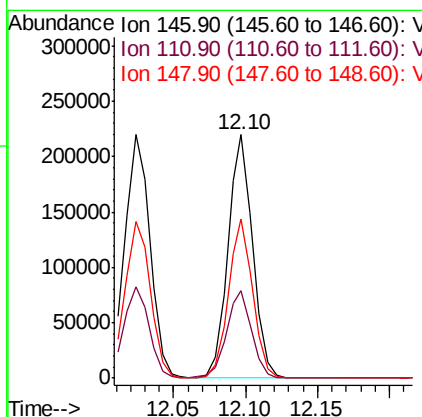
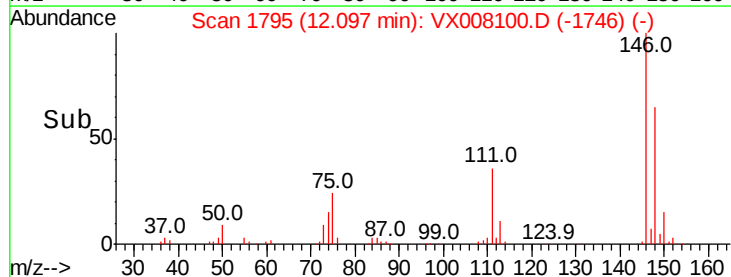
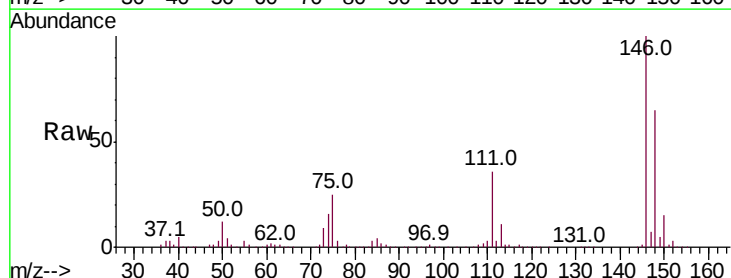
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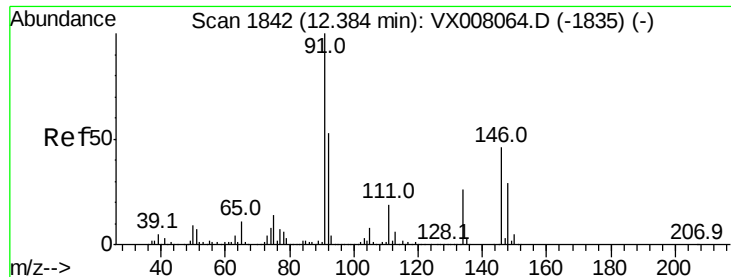
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#88
 1,4-Dichlorobenzene
 Concen: 48.740 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	64.4	32.2	96.6





#89

n-Butylbenzene

Concen: 47.304 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 385649

Ion Ratio Lower Upper

91 100

92 54.2 27.0 80.8

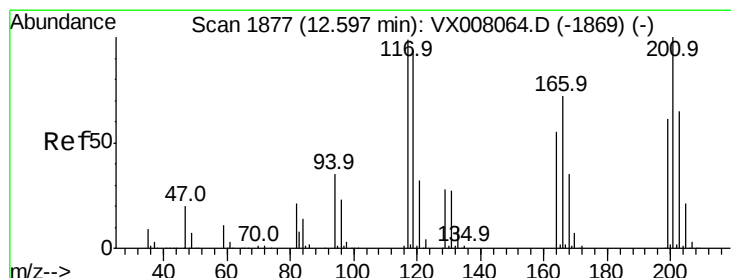
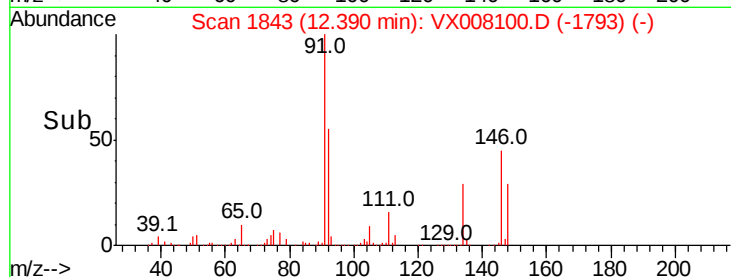
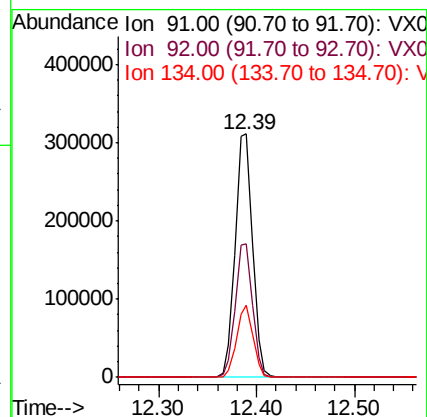
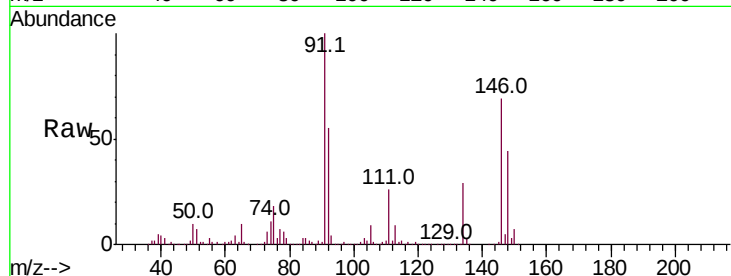
134 28.1 13.7 41.0

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#90

Hexachloroethane

Concen: 50.311 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX008100.D

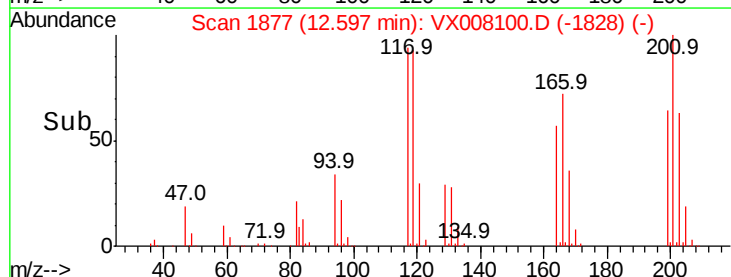
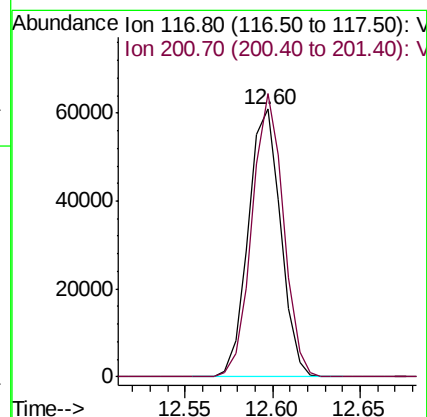
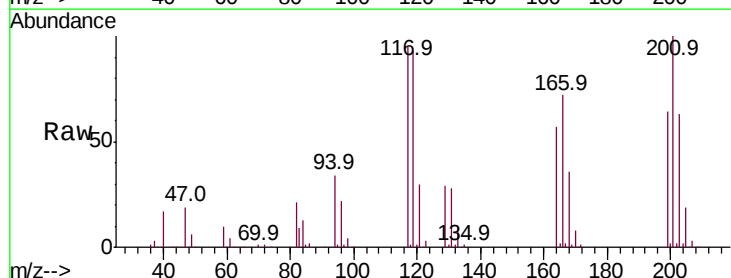
Acq: 15 Mar 2019 05:06

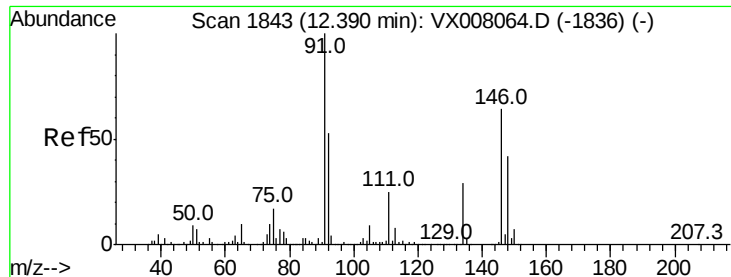
Tgt Ion: 117 Resp: 78450

Ion Ratio Lower Upper

117 100

201 102.3 48.9 146.7





#91

1,2-Dichlorobenzene

Concen: 49.986 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 263798

Ion Ratio Lower Upper

146 100

111 38.2 19.6 58.8

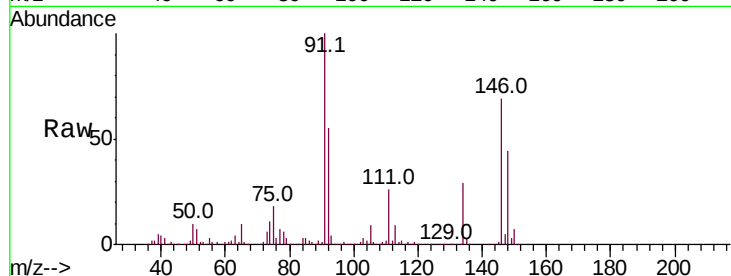
148 63.9 31.9 95.5

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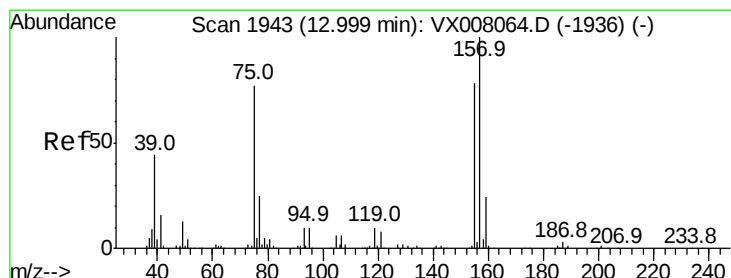
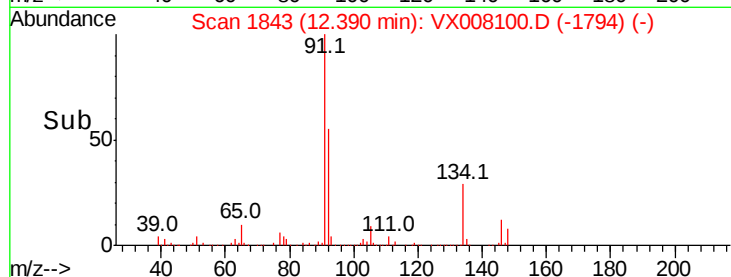
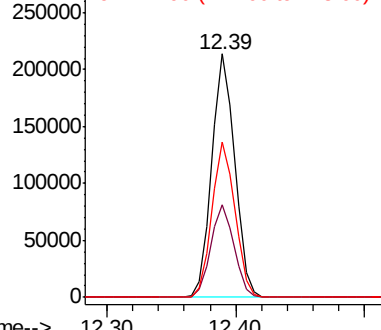
3/15/2019 9:06:32 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.741 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

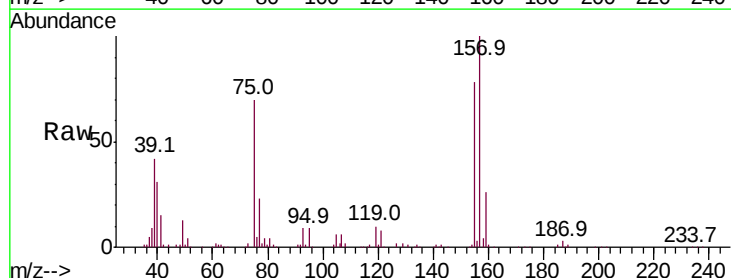
Tgt Ion: 75 Resp: 37531

Ion Ratio Lower Upper

75 100

155 108.8 49.7 149.1

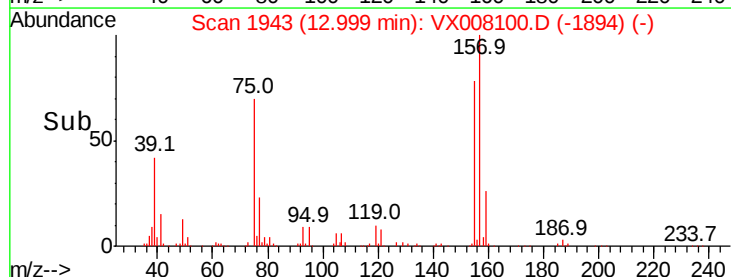
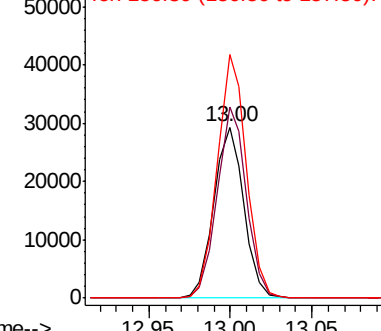
157 138.4 63.8 191.4

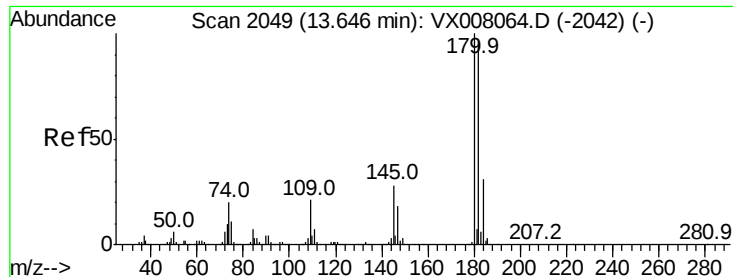


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





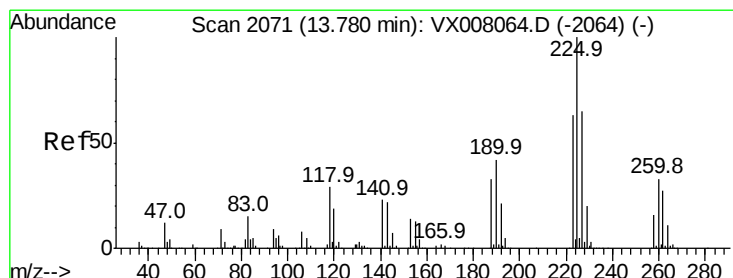
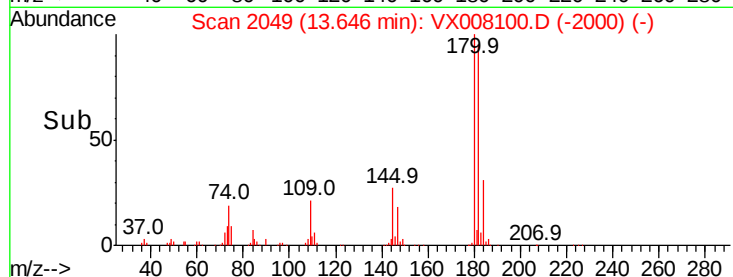
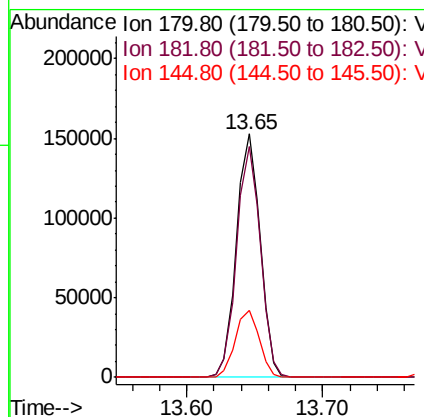
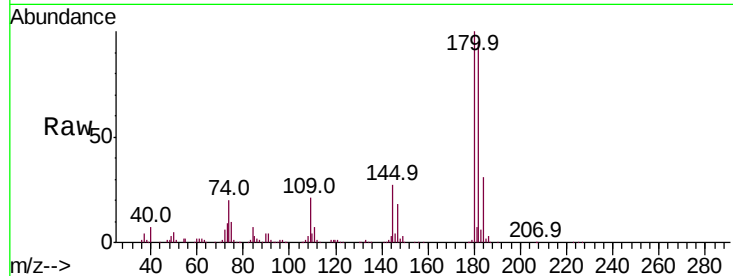
#93
 1,2,4-Trichlorobenzene
 Concen: 49.646 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	185592
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	27.9	14.1	42.4

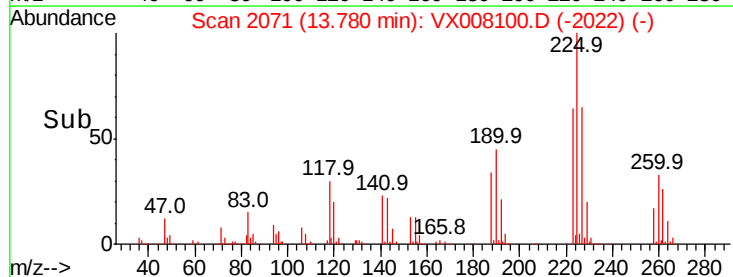
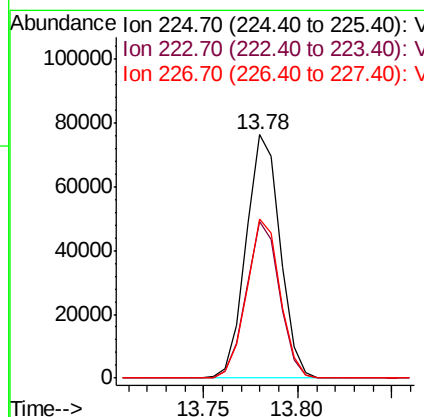
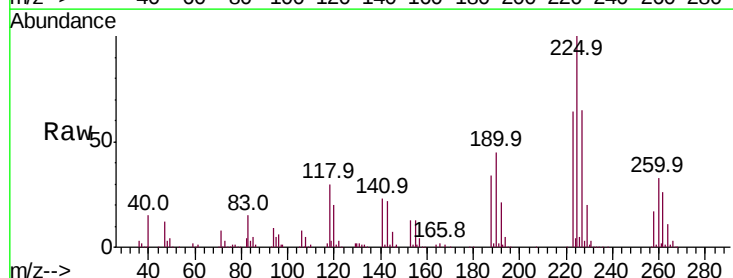
Manual Integrations
 APPROVED

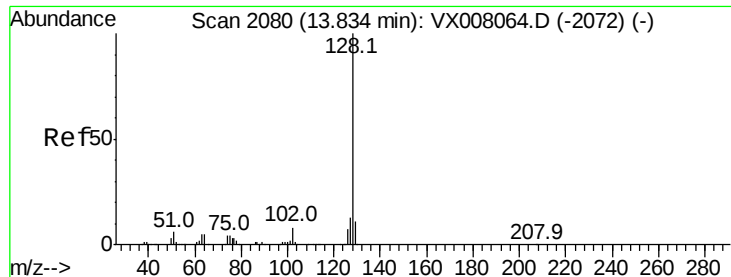
MMDadoda
 3/15/2019 9:06:32 AM



#94
 Hexachlorobutadiene
 Concen: 47.009 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008100.D
 Acq: 15 Mar 2019 05:06

Tgt Ion:	225	Resp:	95478
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.1	93.2
227	64.2	32.0	96.0





#95

Naphthalene

Concen: 53.822 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Instrument :

MSVOA_X

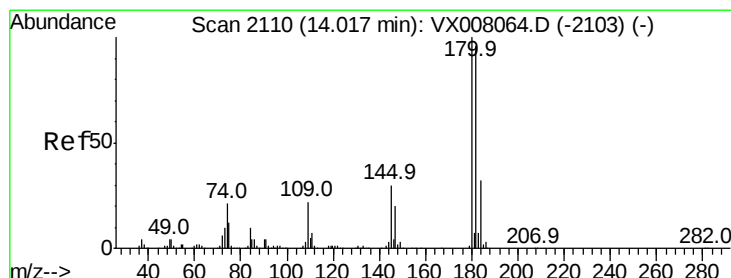
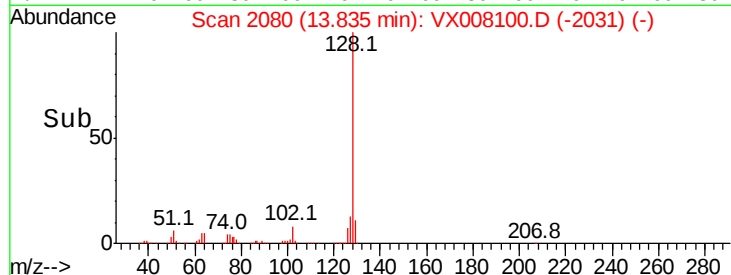
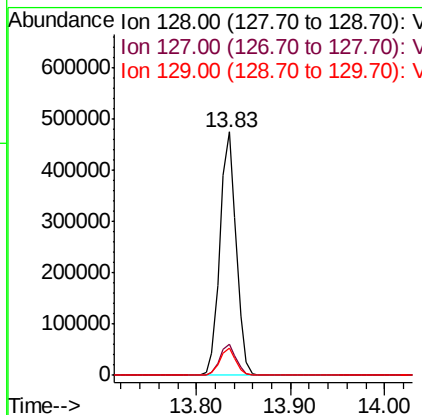
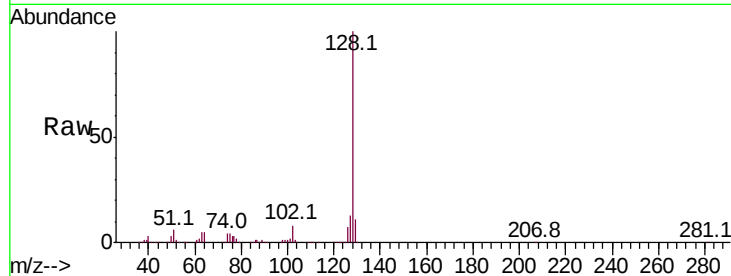
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	565747
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:06:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.307 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008100.D

Acq: 15 Mar 2019 05:06

Tgt Ion:	180	Resp:	188816
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.5
145	29.9	14.8	44.3

