

Data File : VX013187.D
Acq On : 23 Oct 2019 13:56
Operator : JC/SP
Sample : VSTDIC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Quant Time: Oct 23 15:39:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 15:31:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	96705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	137362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	139789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	37449	17.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.84%	
35) Dibromofluoromethane	5.49	113	29674	18.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.04%	
50) Toluene-d8	8.71	98	110444	18.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.74%	
62) 4-Bromofluorobenzene	11.13	95	42177	17.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	34202	17.201	ug/l	98
3) Chloromethane	1.32	50	29784	17.211	ug/l	99
4) Vinyl Chloride	1.40	62	30862	17.247	ug/l	97
5) Bromomethane	1.63	94	19071	19.940	ug/l	95
6) Chloroethane	1.72	64	20599	16.958	ug/l	95
7) Trichlorofluoromethane	1.92	101	51834	17.798	ug/l	98
8) Diethyl Ether	2.18	74	16965	16.973	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	30840	17.519	ug/l	99
10) Methyl Iodide	2.50	142	33648	15.879	ug/l	98
11) Tert butyl alcohol	3.03	59	43458	85.215	ug/l	98
12) 1,1-Dichloroethene	2.36	96	29242	17.481	ug/l	98
13) Acrolein	2.28	56	21586	73.698	ug/l	97
14) Allyl chloride	2.72	41	45425	17.390	ug/l	98
15) Acrylonitrile	3.13	53	79177	85.433	ug/l	99
16) Acetone	2.43	43	91122	93.939	ug/l	100
17) Carbon Disulfide	2.56	76	75792	16.933	ug/l	98
18) Methyl Acetate	2.76	43	37228	16.837	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	103860	17.919	ug/l	97
20) Methylene Chloride	2.85	84	32693	16.102	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	31144	16.946	ug/l	97
22) Diisopropyl ether	3.84	45	91655	18.001	ug/l	98
23) Vinyl Acetate	3.80	43	394646	89.068	ug/l	99
24) 1,1-Dichloroethane	3.69	63	55013	17.636	ug/l	100
25) 2-Butanone	4.65	43	117655	88.930	ug/l	98
26) 2,2-Dichloropropane	4.57	77	50546	17.985	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	36452	17.740	ug/l	97
28) Bromochloromethane	5.00	49	16092	19.296	ug/l	100
29) Tetrahydrofuran	5.11	42	67598	85.163	ug/l	97
30) Chloroform	5.20	83	58441	17.335	ug/l	95
31) Cyclohexane	5.57	56	48862	18.058	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	53187	17.587	ug/l	99
36) 1,1-Dichloropropene	5.79	75	44533	18.093	ug/l	98
37) Ethyl Acetate	4.82	43	41144	16.919	ug/l	98
38) Carbon Tetrachloride	5.78	117	45111	17.969	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	52959	18.146	ug/l	95
40) Benzene	6.14	78	126042	18.009	ug/l	97
41) Methacrylonitrile	5.03	41	22425	17.407	ug/l	99
42) 1,2-Dichloroethane	6.19	62	47556	18.085	ug/l	100
43) Isopropyl Acetate	6.43	43	69886	18.012	ug/l	100
44) Trichloroethene	7.20	130	35841	18.076	ug/l	100
45) 1,2-Dichloropropane	7.51	63	31583	18.181	ug/l	97
46) Dibromomethane	7.65	93	22370	18.246	ug/l	98
47) Bromodichloromethane	7.89	83	44100	18.255	ug/l	95
48) Methyl methacrylate	7.76	41	34030	18.086	ug/l	100
49) 1,4-Dioxane	7.73	88	18105	353.290	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	214728	90.307	ug/l	100
52) Toluene	8.78	92	82221	18.207	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	47178	18.236	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	52454	18.381	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	33670	18.441	ug/l	97
56) Ethyl methacrylate	9.17	69	50673	18.132	ug/l	100
57) 1,3-Dichloropropane	9.37	76	55463	18.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	104494	95.267	ug/l	98
59) 2-Hexanone	9.48	43	165910	88.954	ug/l	99
60) Dibromochloromethane	9.57	129	33818	18.047	ug/l	99
61) 1,2-Dibromoethane	9.67	107	34682	17.769	ug/l	99
64) Tetrachloroethene	9.33	164	36240	19.089	ug/l	98
65) Chlorobenzene	10.14	112	87958	18.012	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	32279	18.045	ug/l	98
67) Ethyl Benzene	10.25	91	159468	18.268	ug/l	99
68) m/p-Xylenes	10.36	106	121854	36.931	ug/l	97
69) o-Xylene	10.70	106	57648	17.934	ug/l	99
70) Styrene	10.71	104	98941	18.294	ug/l	100
71) Bromoform	10.85	173	23172	17.933	ug/l #	99
73) Isopropylbenzene	11.01	105	156975	18.460	ug/l	98
74) N-amyl acetate	10.89	43	56552	17.799	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	46714	17.740	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	54447	24.781	ug/l	81
77) Bromobenzene	11.25	156	36931	18.358	ug/l	99
78) n-propylbenzene	11.35	91	164064	18.006	ug/l	100
79) 2-Chlorotoluene	11.42	91	108327	18.476	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	133906	18.819	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	14721	17.133	ug/l	95
82) 4-Chlorotoluene	11.51	91	123379	18.460	ug/l	99
83) tert-Butylbenzene	11.76	119	128876	18.544	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	133413	18.296	ug/l	100
85) sec-Butylbenzene	11.94	105	150122	18.771	ug/l	99
86) p-Isopropyltoluene	12.06	119	142043	18.894	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	67423	17.965	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	68286	17.919	ug/l	97
89) n-Butylbenzene	12.39	91	114706	18.456	ug/l	99
90) Hexachloroethane	12.59	117	22949	17.936	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	68034	18.645	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11024	17.329	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102419\
Quantitation Report (Not Reviewed)

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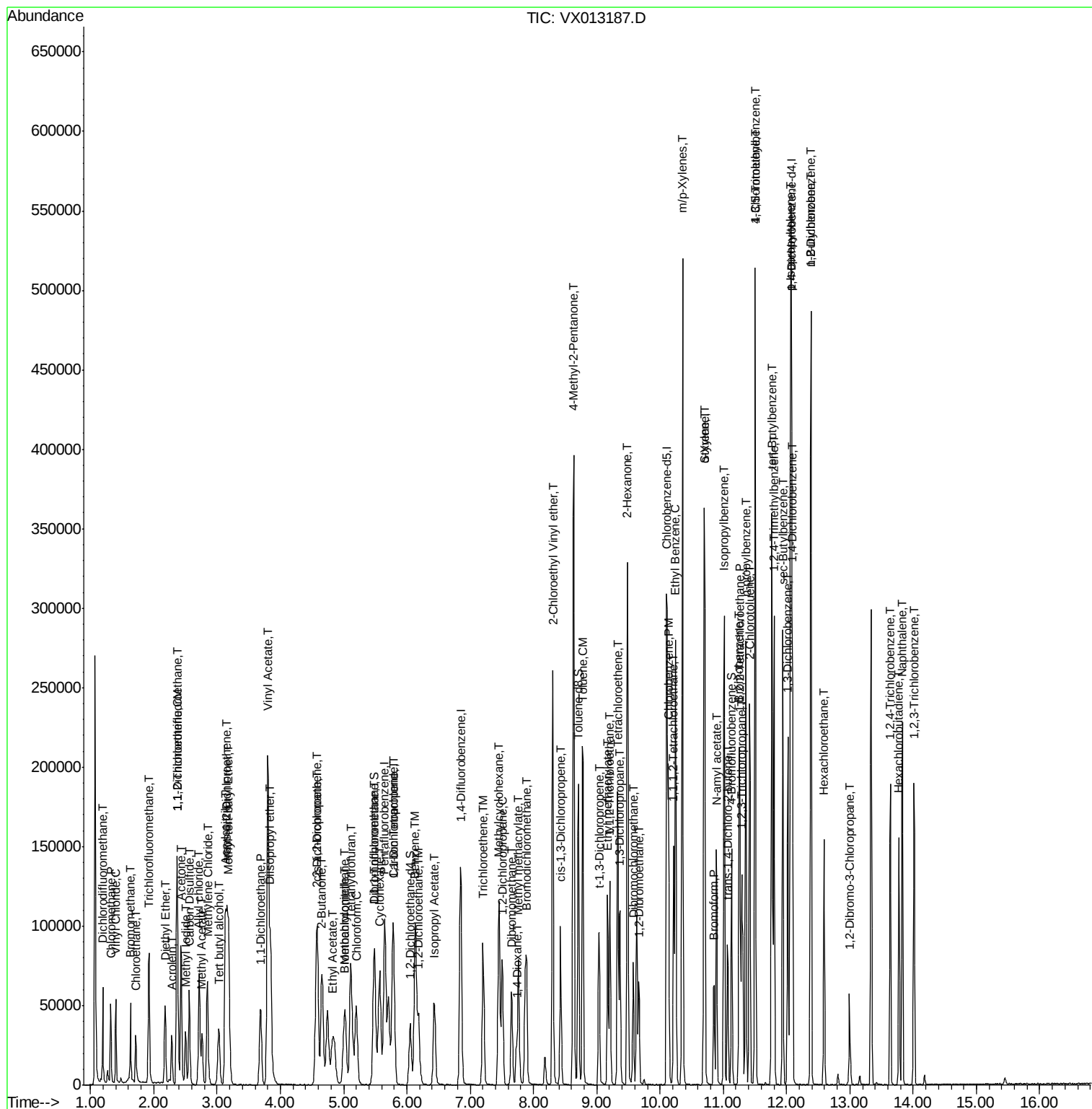
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	43681	18.859	ug/l	99
94) Hexachlorobutadiene	13.78	225	21379	18.205	ug/l	99
95) Naphthalene	13.83	128	135147	18.666	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	43908	18.876	ug/l	96

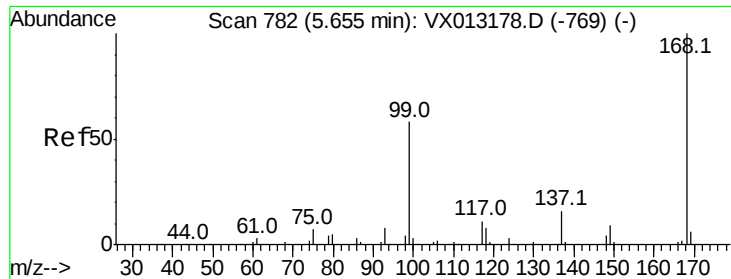
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

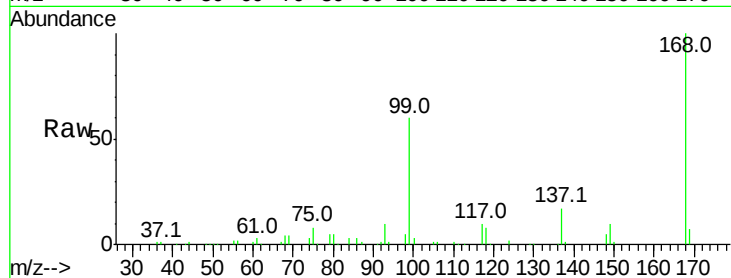
VSTDIC020

Tgt Ion:168 Resp: 96705

Ion Ratio Lower Upper

168 100

99 59.8 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

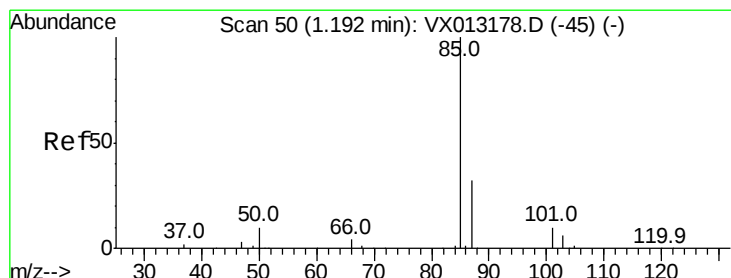
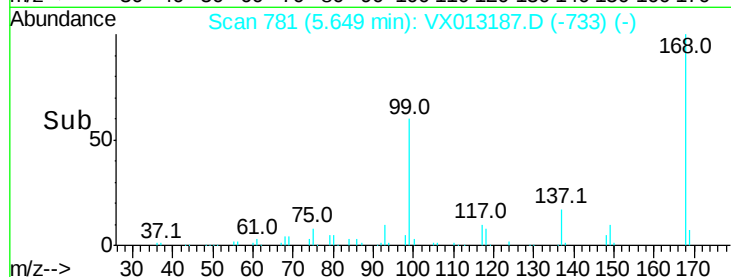
20000

10000

0

5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.201 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013187.D

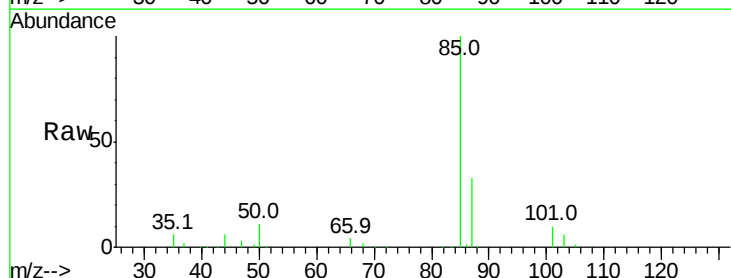
Acq: 23 Oct 2019 13:56

Tgt Ion: 85 Resp: 34202

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

30000

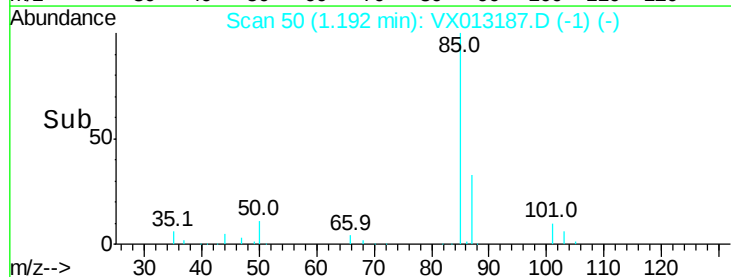
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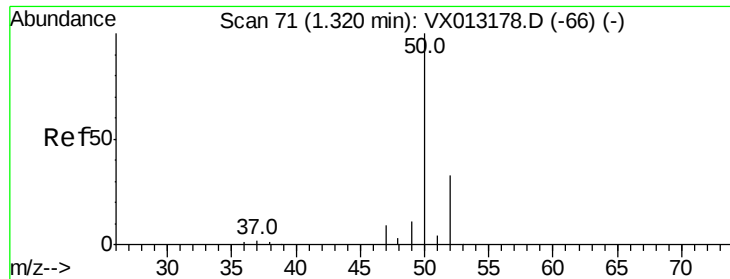
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.211 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013178.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

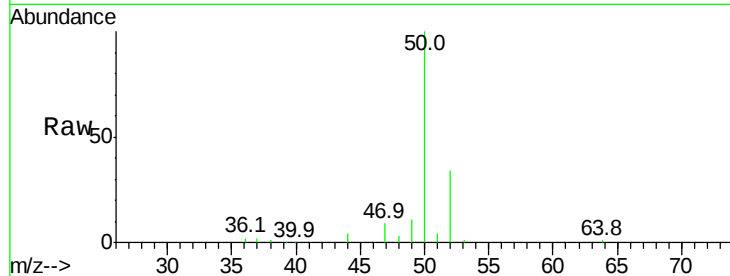
VSTDIC020

Tgt Ion: 50 Resp: 29784

Ion Ratio Lower Upper

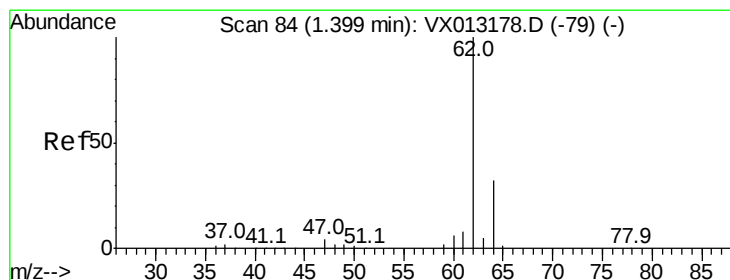
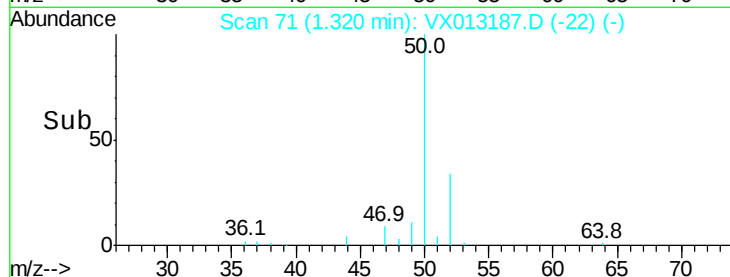
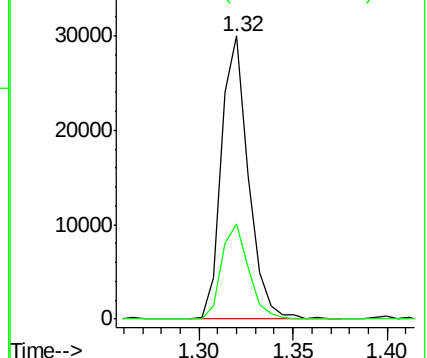
50 100

52 33.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.247 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013178.D

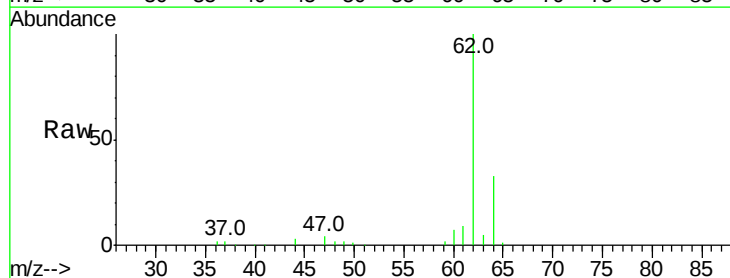
Acq: 23 Oct 2019 13:56

Tgt Ion: 62 Resp: 30862

Ion Ratio Lower Upper

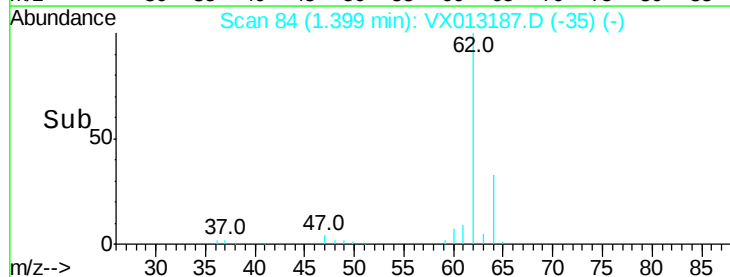
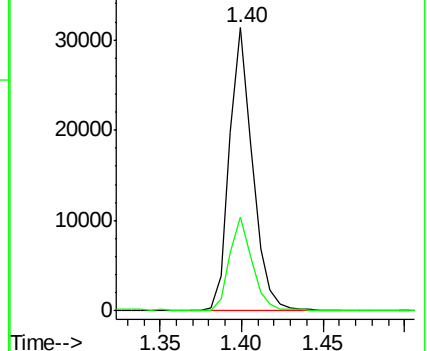
62 100

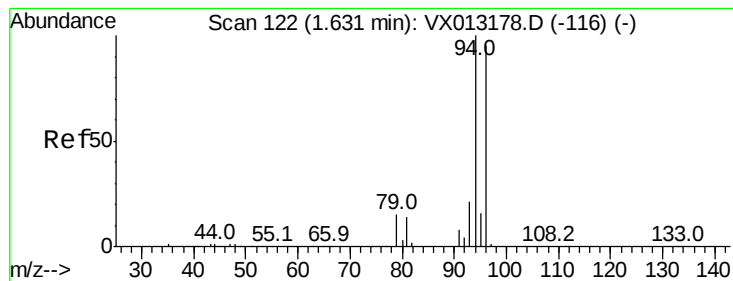
64 33.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.940 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

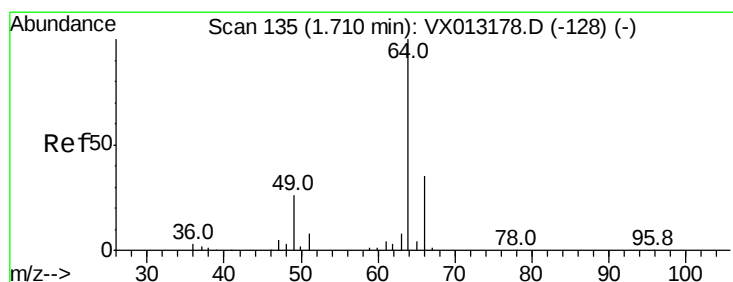
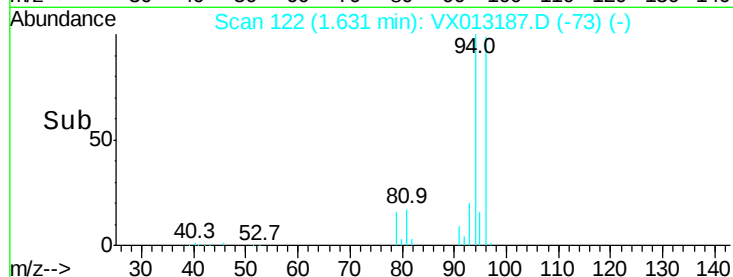
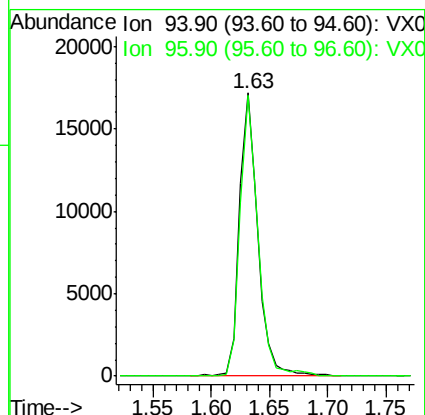
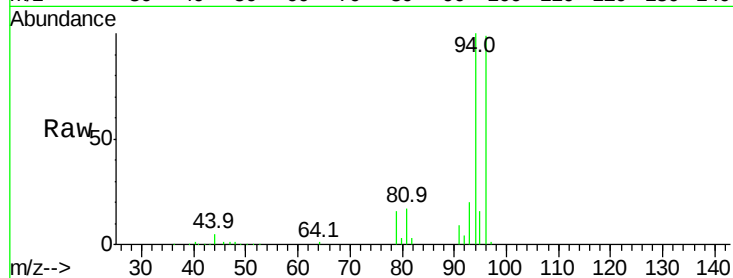
VSTDIC020

Tgt Ion: 94 Resp: 19071

Ion Ratio Lower Upper

94 100

96 99.1 75.8 113.6



#6

Chloroethane

Concen: 16.958 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013187.D

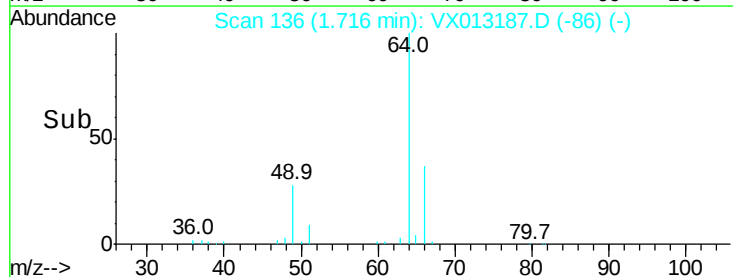
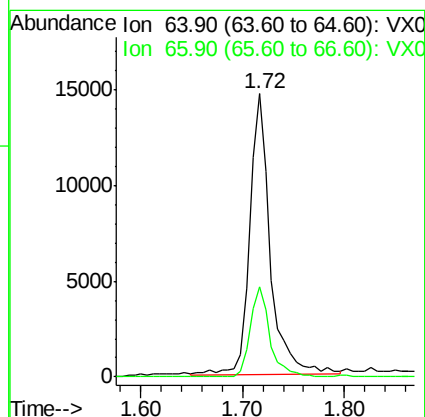
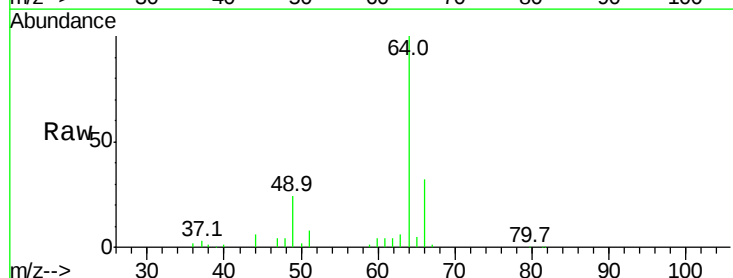
Acq: 23 Oct 2019 13:56

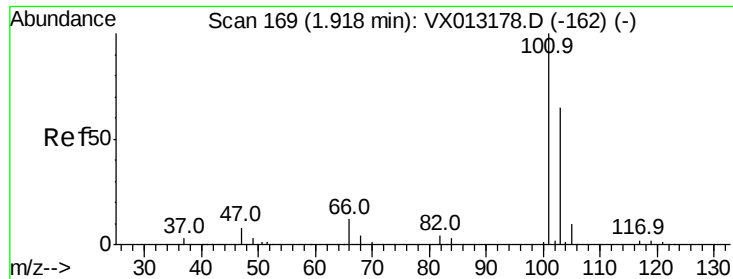
Tgt Ion: 64 Resp: 20599

Ion Ratio Lower Upper

64 100

66 32.1 27.8 41.8



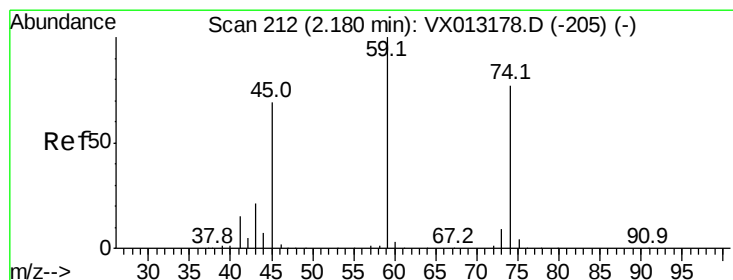
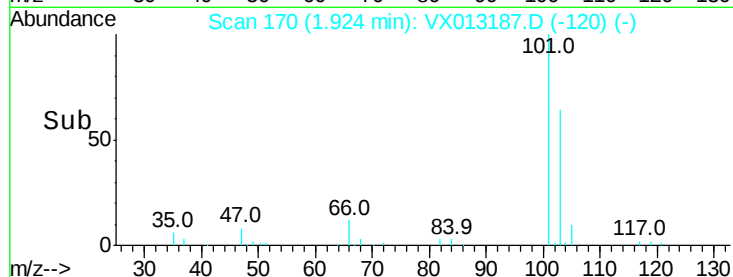
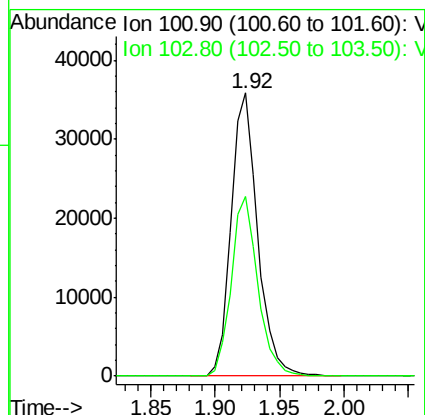
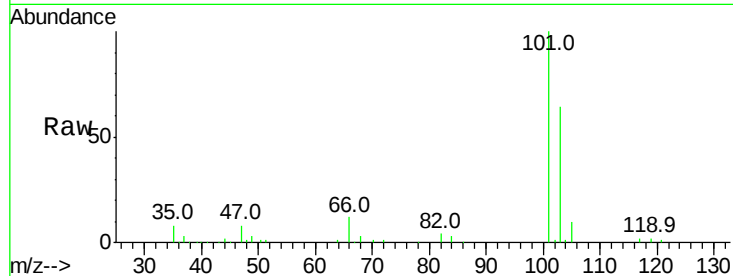


#7

Trichlorofluoromethane
Concen: 17.798 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013187.D
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VSTDIC020

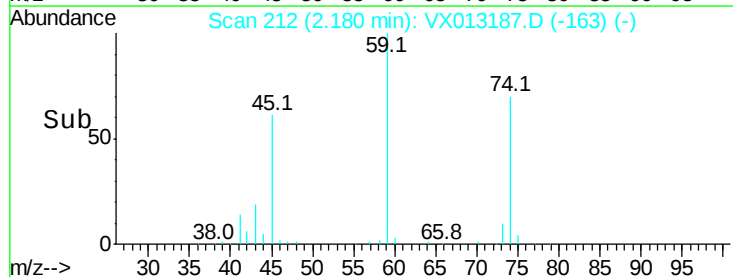
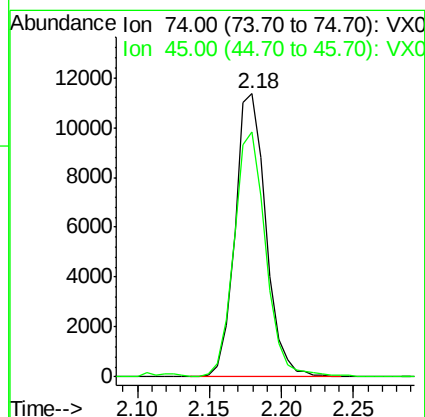
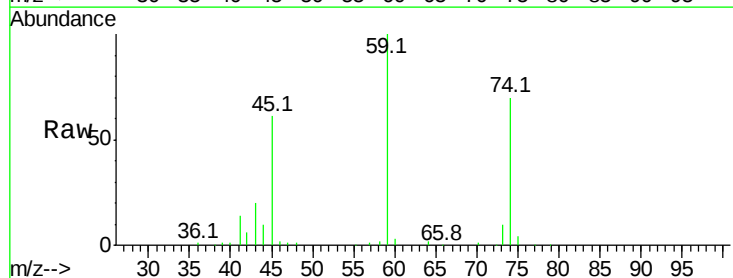
Tgt Ion:101 Resp: 51834
Ion Ratio Lower Upper
101 100
103 63.6 51.9 77.9

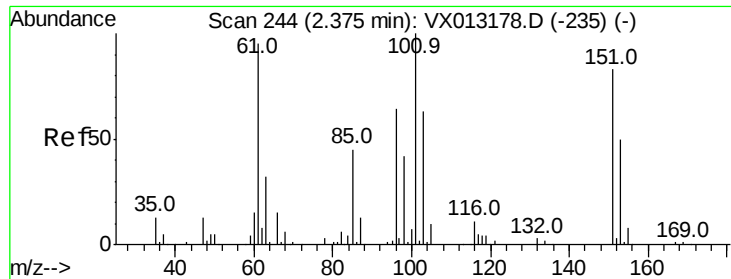


#8

Diethyl Ether
Concen: 16.973 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Tgt Ion: 74 Resp: 16965
Ion Ratio Lower Upper
74 100
45 89.4 44.1 132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.519 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

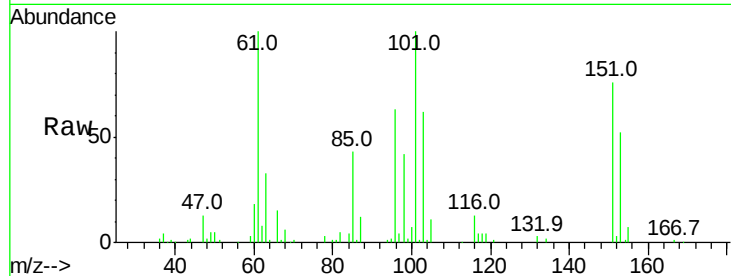
Tgt Ion:101 Resp: 30840

Ion Ratio Lower Upper

101 100

85 43.2 35.0 52.4

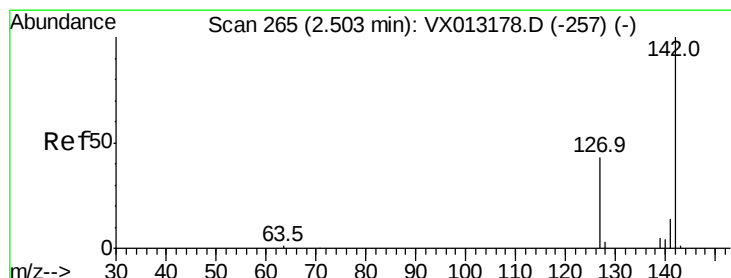
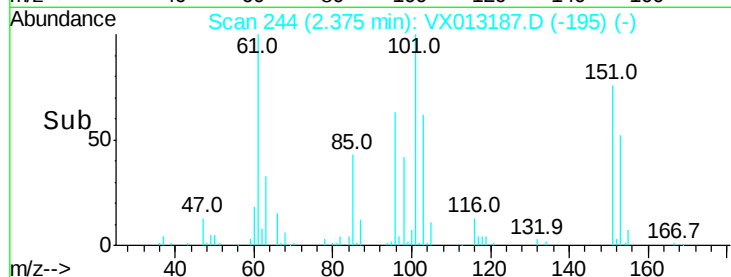
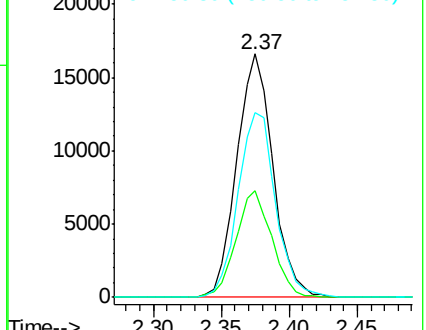
151 78.8 62.5 93.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.879 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

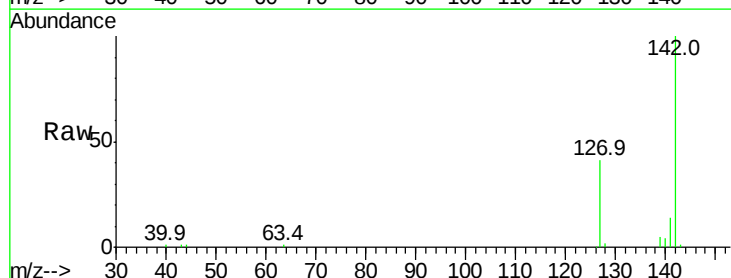
Tgt Ion:142 Resp: 33648

Ion Ratio Lower Upper

142 100

127 43.4 36.2 54.4

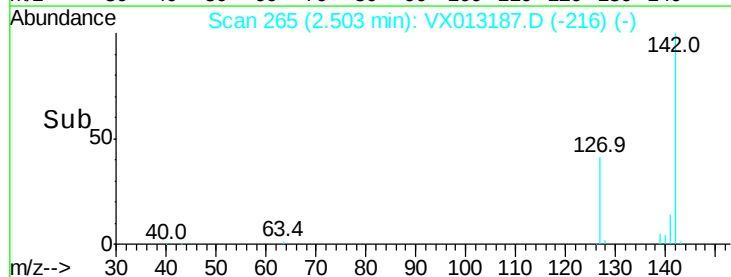
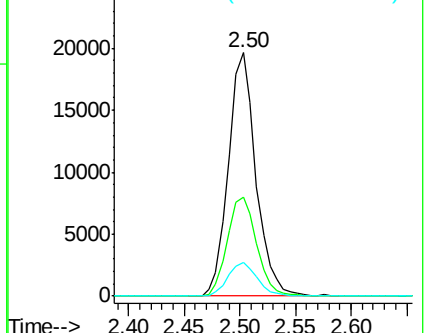
141 14.5 11.8 17.6

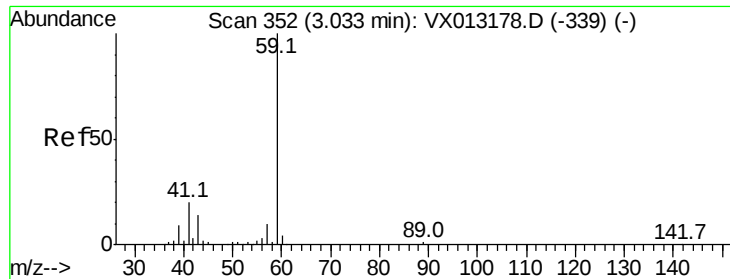


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

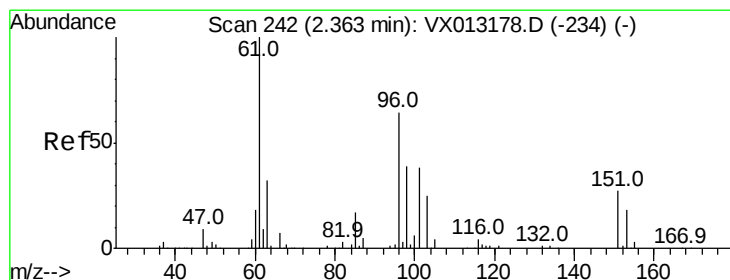
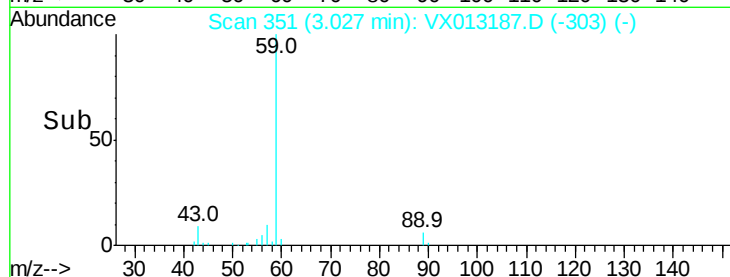
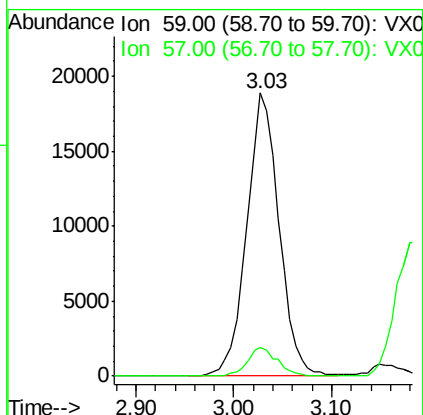
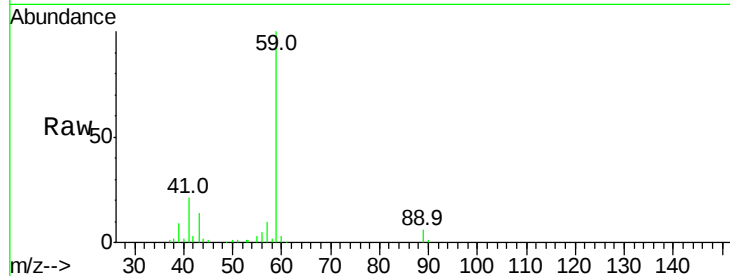




#11
Tert butyl alcohol
Concen: 85.215 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013178.D
Acq: 23 Oct 2019 13:56

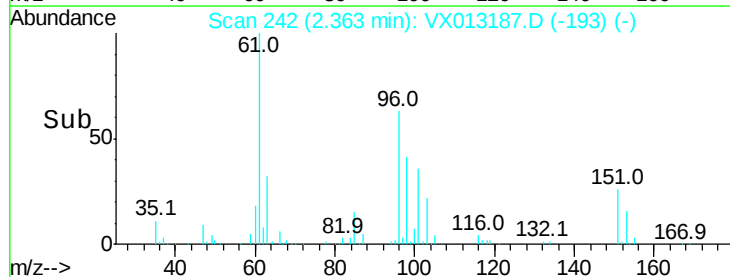
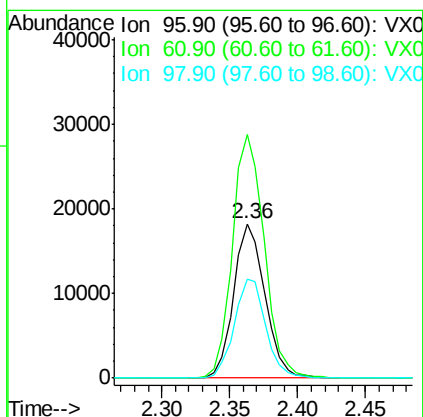
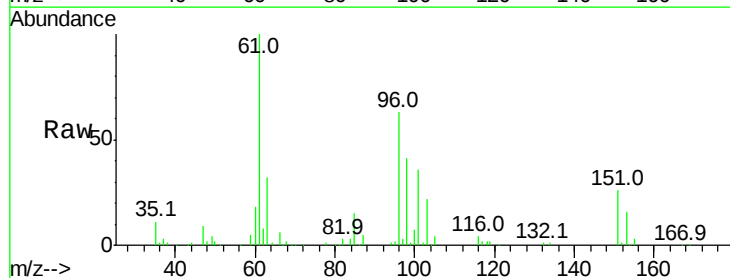
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

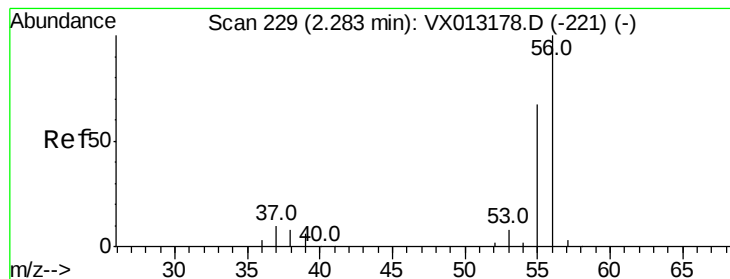
Tgt Ion: 59 Resp: 43458
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.2



#12
1,1-Dichloroethene
Concen: 17.481 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013178.D
Acq: 23 Oct 2019 13:56

Tgt Ion: 96 Resp: 29242
Ion Ratio Lower Upper
96 100
61 158.1 125.4 188.2
98 64.2 49.0 73.6





#13

Acrolein

Concen: 73.698 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

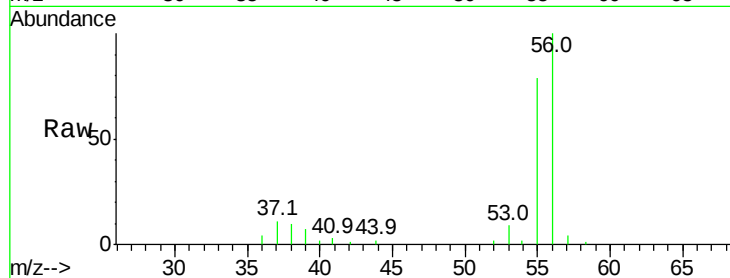
VSTDIC020

Tgt Ion: 56 Resp: 21586

Ion Ratio Lower Upper

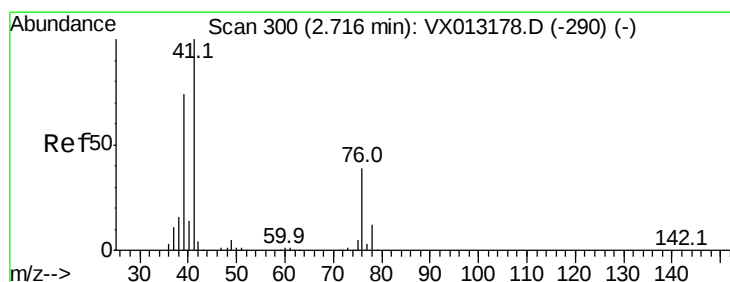
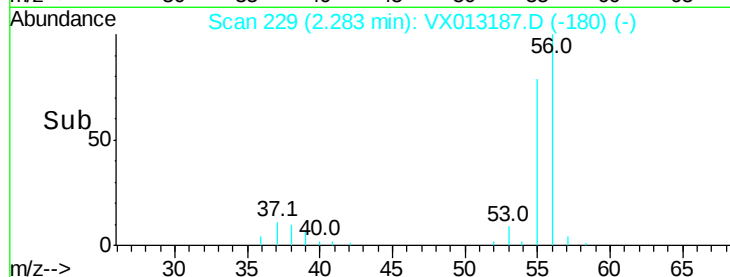
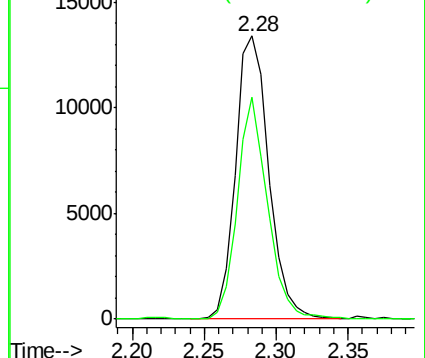
56 100

55 71.2 55.0 82.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 17.390 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

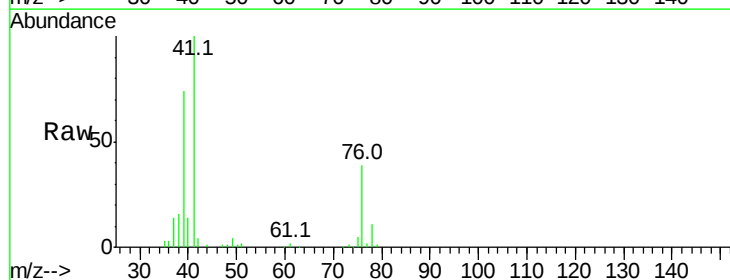
Tgt Ion: 41 Resp: 45425

Ion Ratio Lower Upper

41 100

39 69.1 54.2 81.4

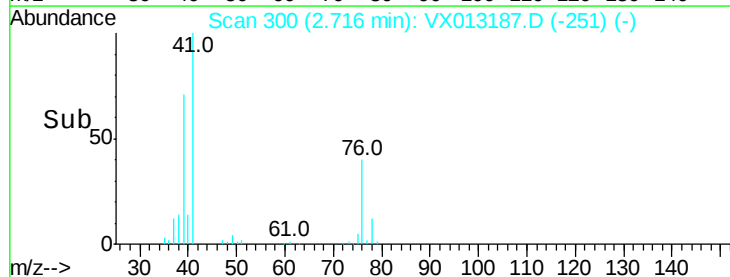
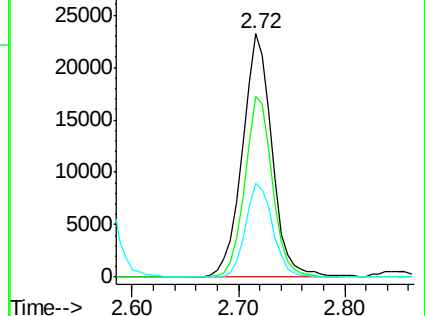
76 35.1 29.1 43.7

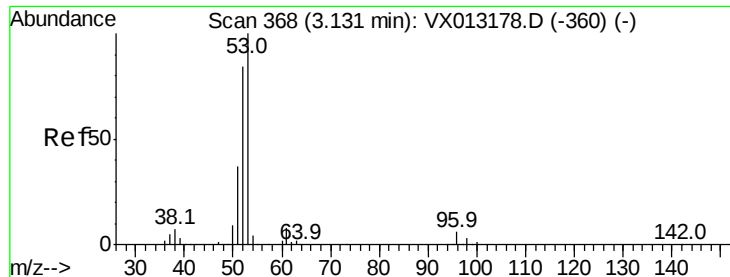


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 85.433 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

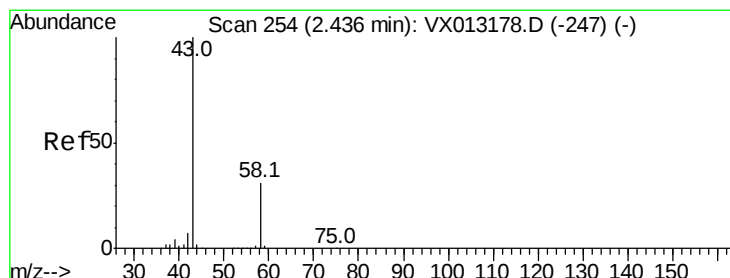
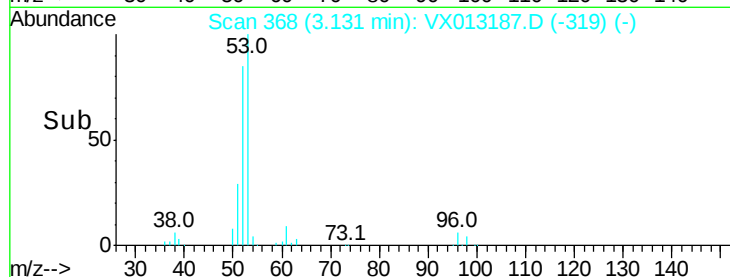
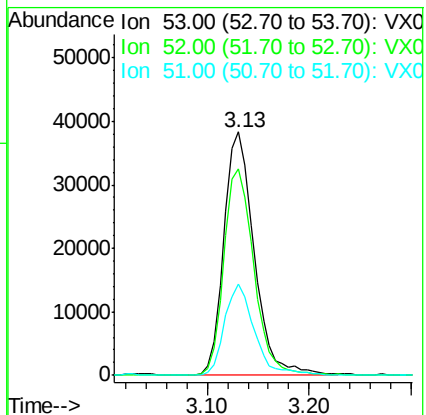
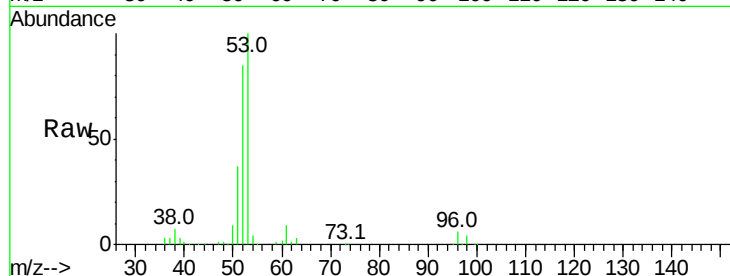
Tgt Ion: 53 Resp: 79177

Ion Ratio Lower Upper

53 100

52 84.2 66.9 100.3

51 36.9 29.9 44.9



#16

Acetone

Concen: 93.939 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013187.D

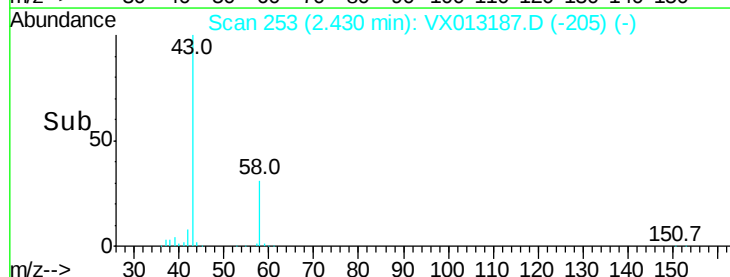
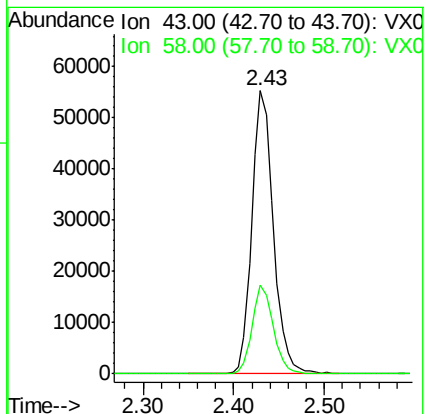
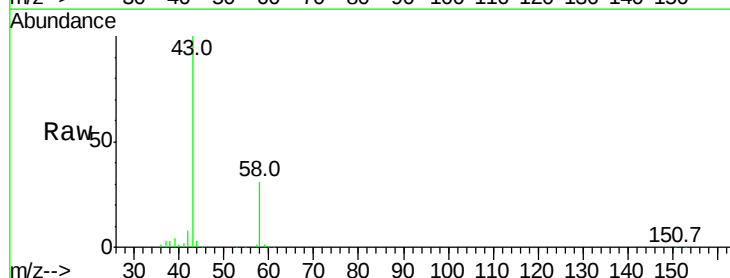
Acq: 23 Oct 2019 13:56

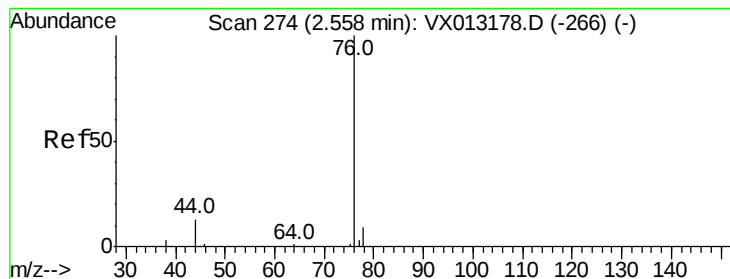
Tgt Ion: 43 Resp: 91122

Ion Ratio Lower Upper

43 100

58 31.3 25.1 37.7





#17

Carbon Disulfide

Concen: 16.933 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

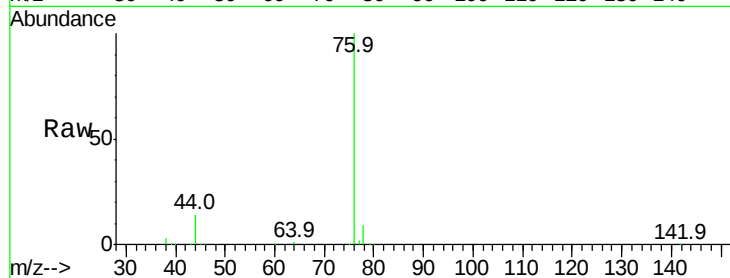
VSTDIC020

Tgt Ion: 76 Resp: 75792

Ion Ratio Lower Upper

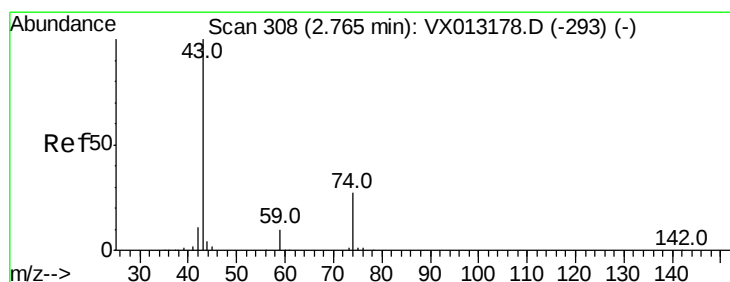
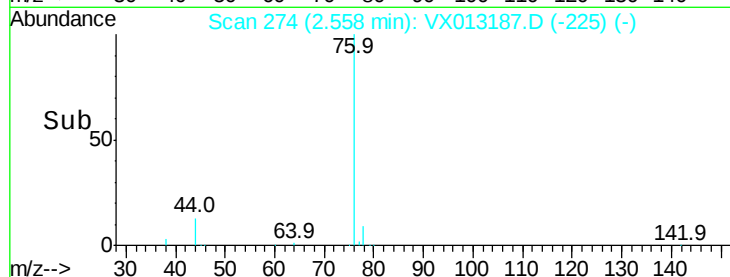
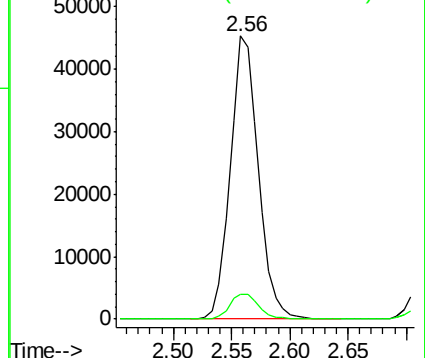
76 100

78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 16.837 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX013187.D

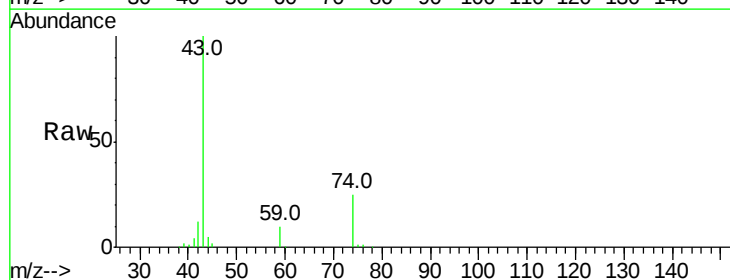
Acq: 23 Oct 2019 13:56

Tgt Ion: 43 Resp: 37228

Ion Ratio Lower Upper

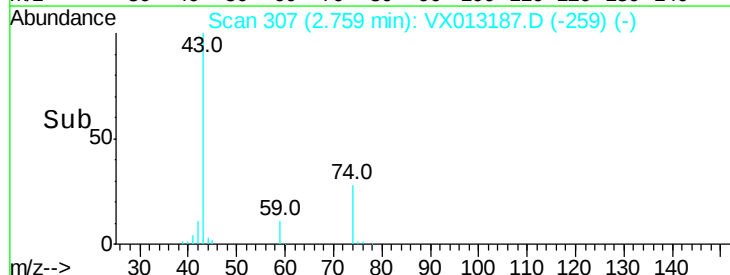
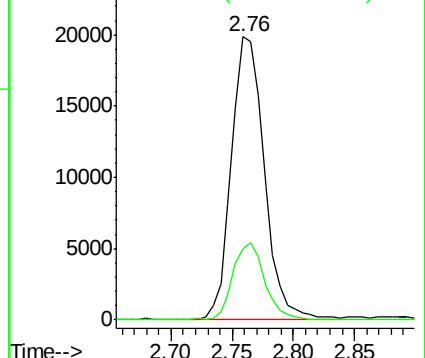
43 100

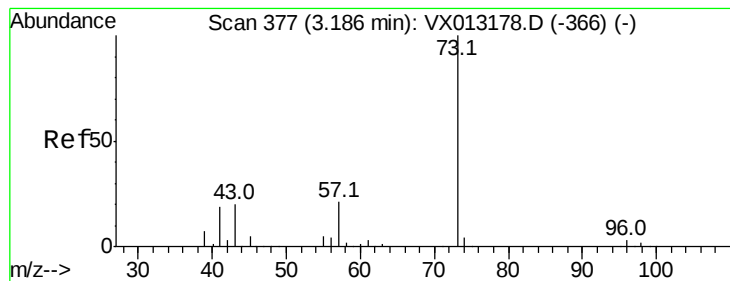
74 26.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



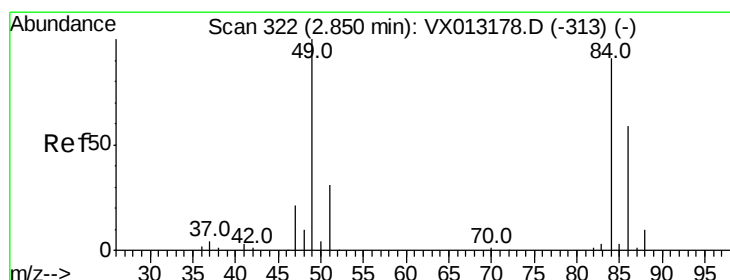
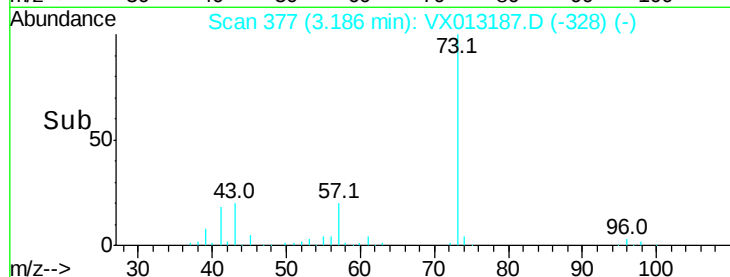
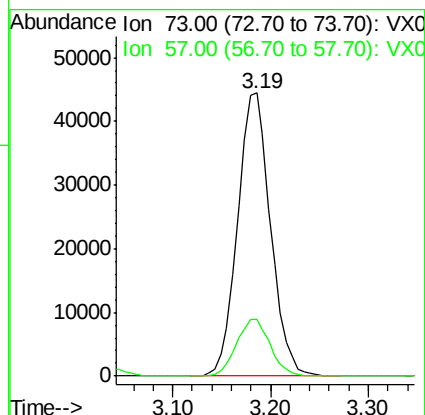
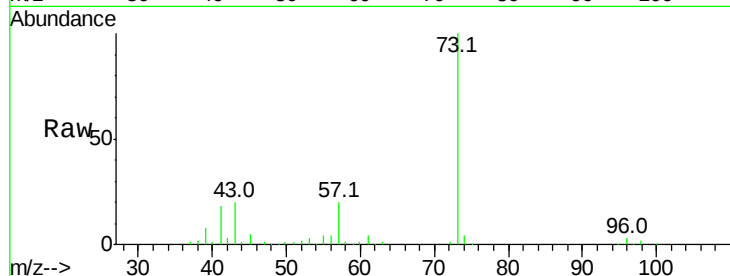


#19

Methyl tert-butyl Ether
 Concen: 17.919 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

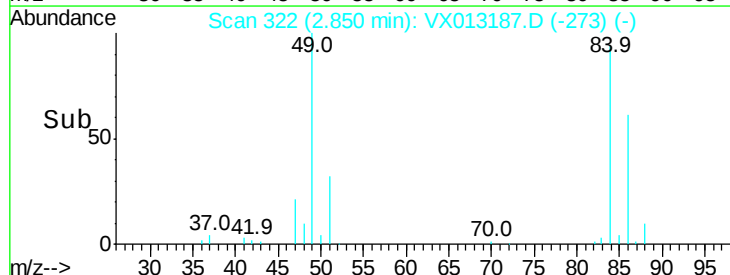
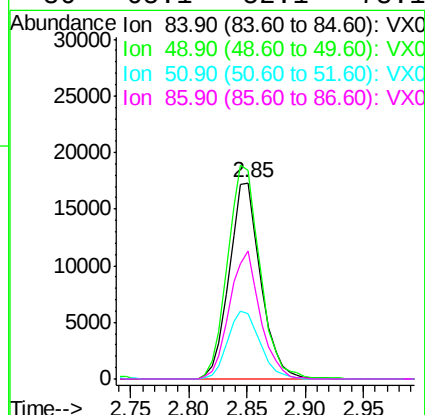
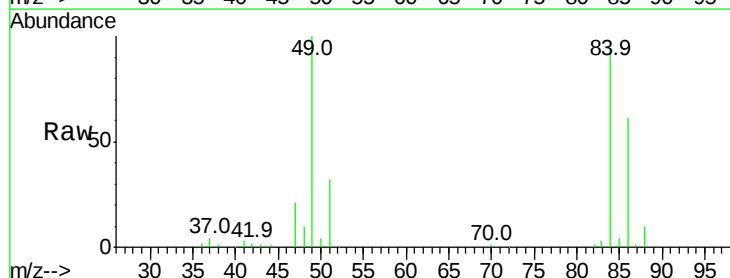
Tgt Ion: 73 Resp: 103860
 Ion Ratio Lower Upper
 73 100
 57 19.9 17.1 25.7

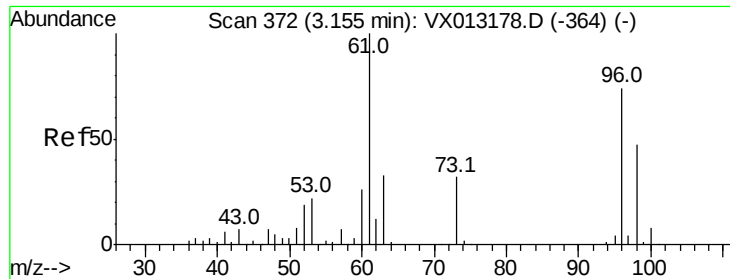


#20

Methylene Chloride
 Concen: 16.102 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Tgt Ion: 84 Resp: 32693
 Ion Ratio Lower Upper
 84 100
 49 106.3 87.8 131.6
 51 33.6 27.0 40.6
 86 65.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 16.946 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

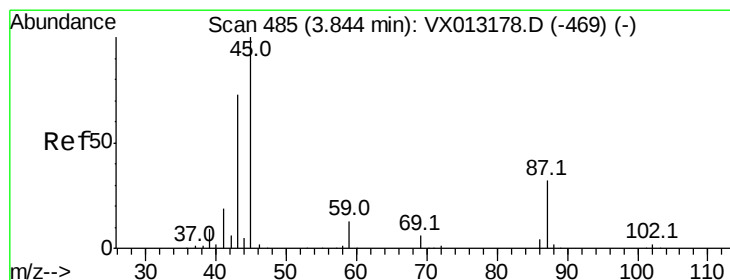
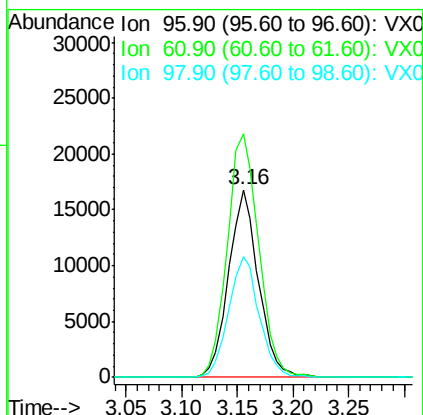
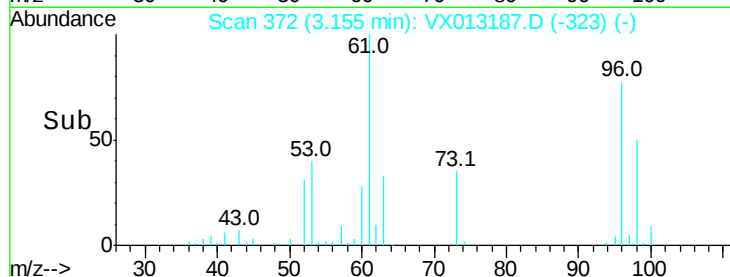
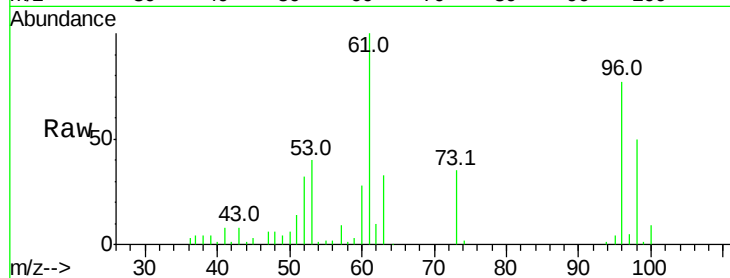
Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 31144

Ion	Ratio	Lower	Upper
96	100		
61	129.8	108.1	162.1
98	64.3	51.1	76.7



#22

Diisopropyl ether

Concen: 18.001 ug/l

RT: 3.84 min Scan# 485

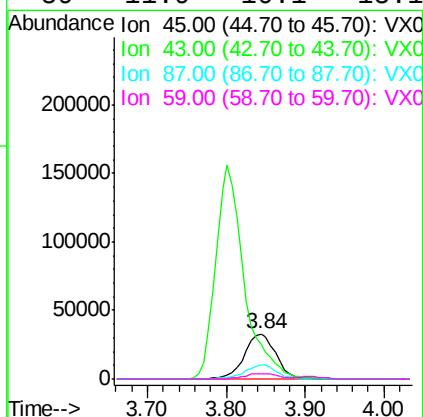
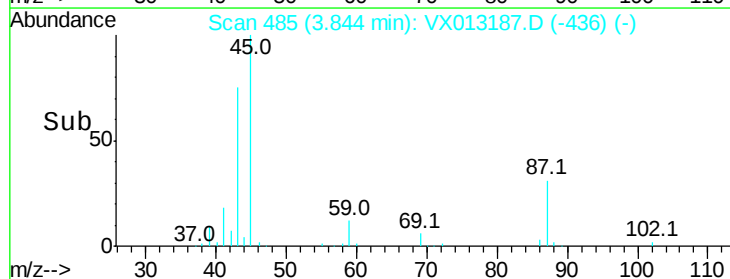
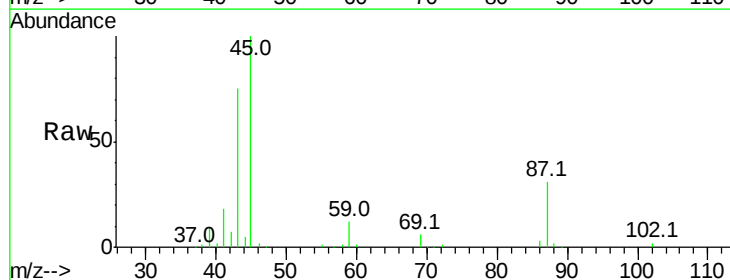
Delta R.T. 0.00 min

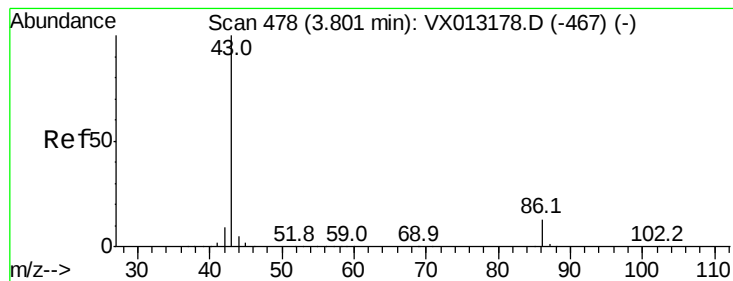
Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Tgt Ion: 45 Resp: 91655

Ion	Ratio	Lower	Upper
45	100		
43	74.3	58.1	87.1
87	30.7	25.9	38.9
59	11.9	10.1	15.1





#23

Vinyl Acetate

Concen: 89.068 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

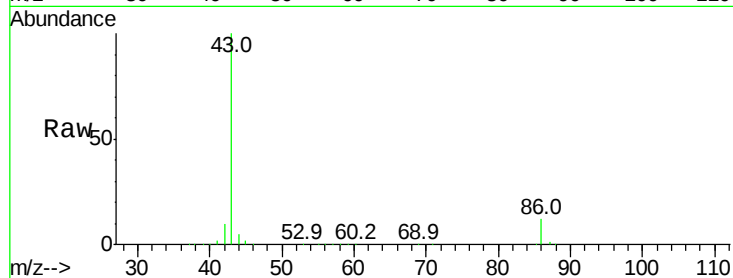
VSTDIC020

Tgt Ion: 43 Resp: 394646

Ion Ratio Lower Upper

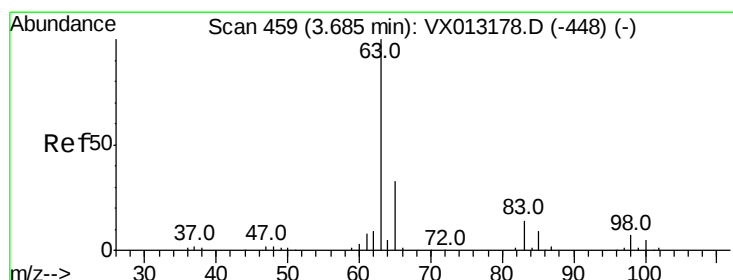
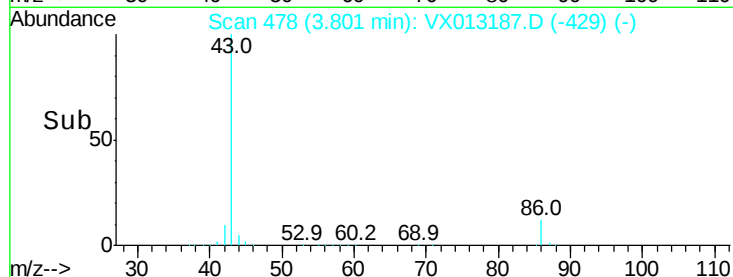
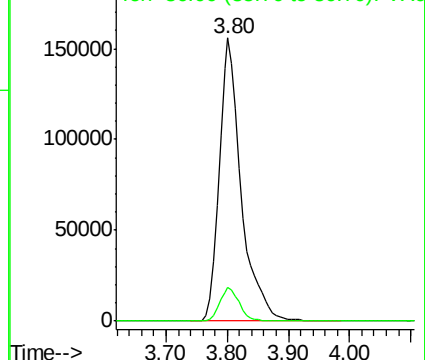
43 100

86 12.1 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.636 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

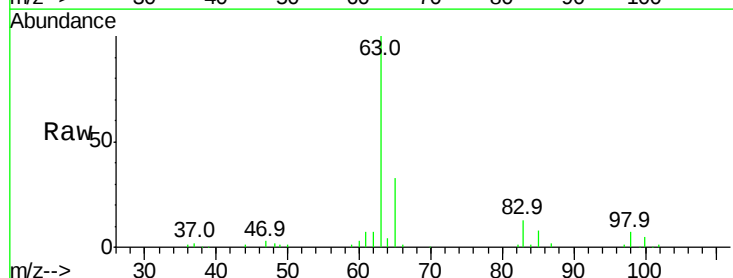
Tgt Ion: 63 Resp: 55013

Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

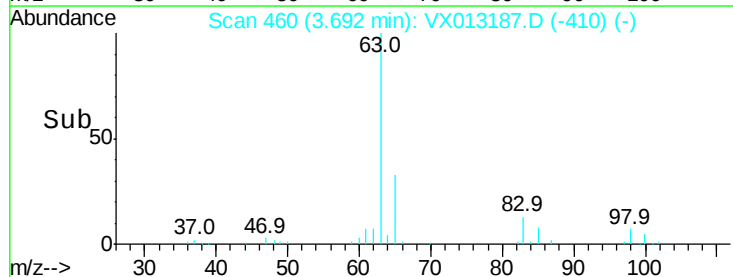
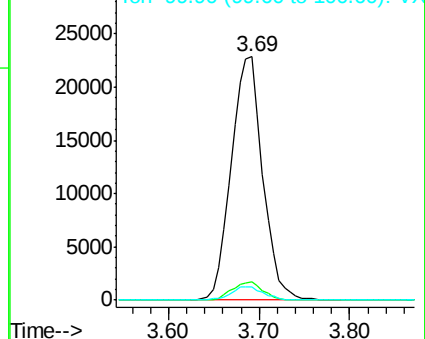
100 5.2 2.5 7.4

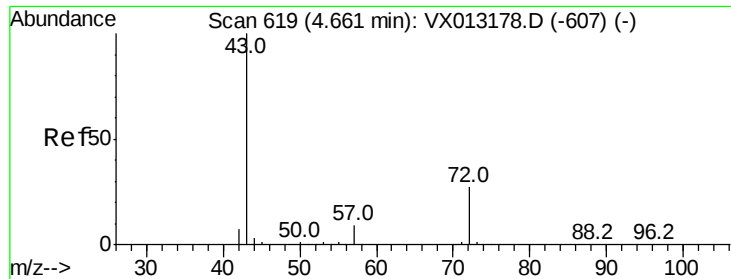


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 88.930 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

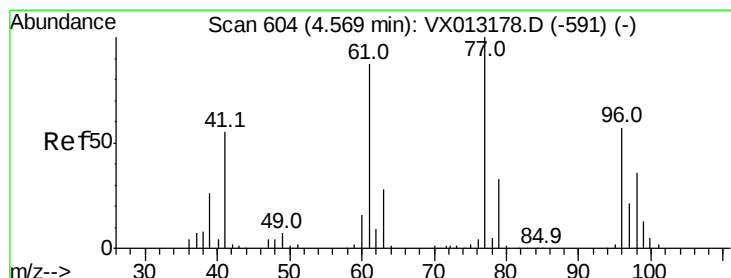
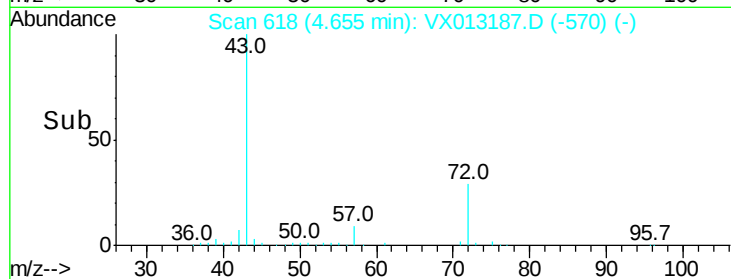
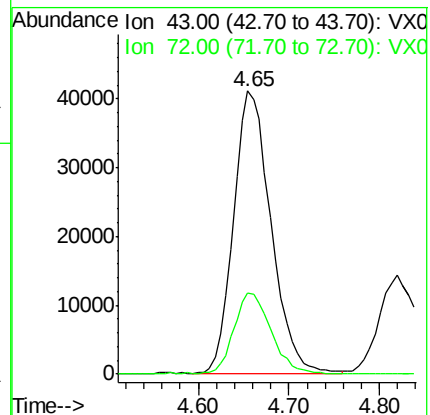
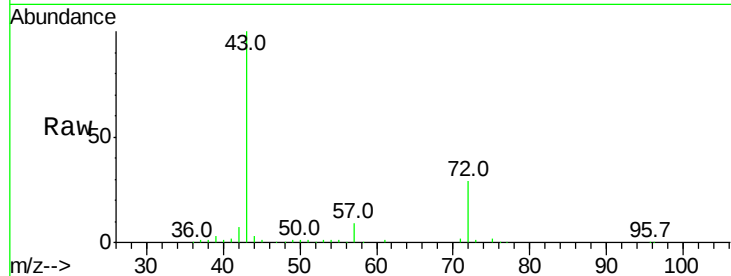
VSTDIC020

Tgt Ion: 43 Resp: 117655

Ion Ratio Lower Upper

43 100

72 28.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 17.985 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013187.D

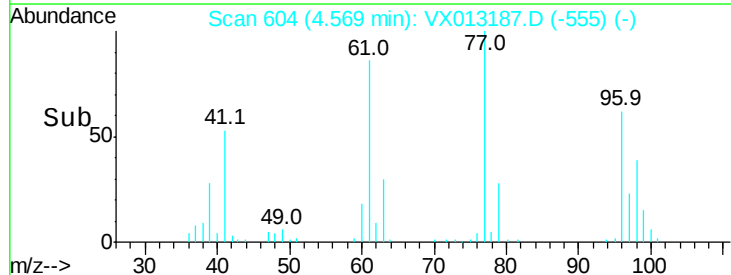
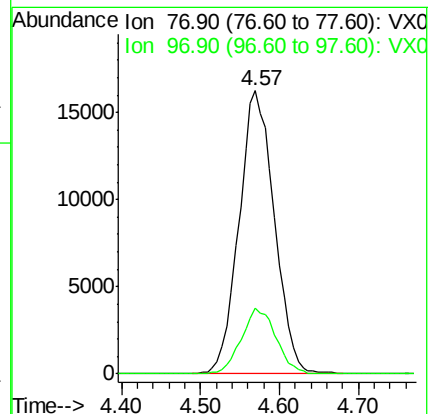
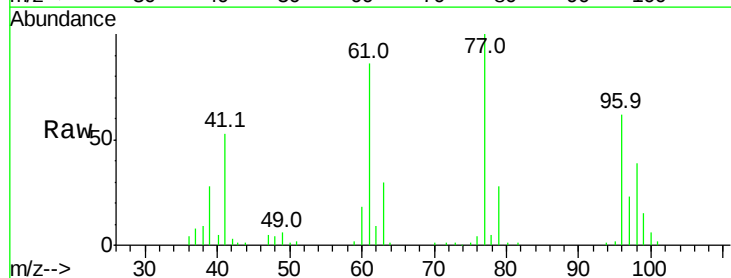
Acq: 23 Oct 2019 13:56

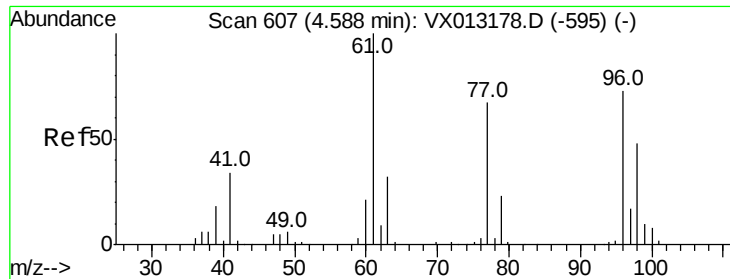
Tgt Ion: 77 Resp: 50546

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3



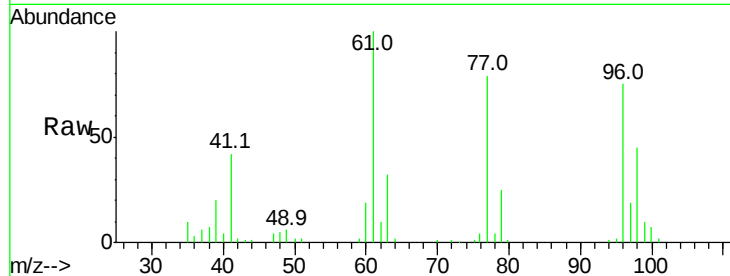


#27

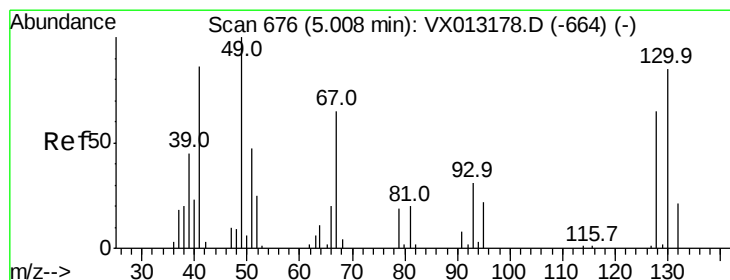
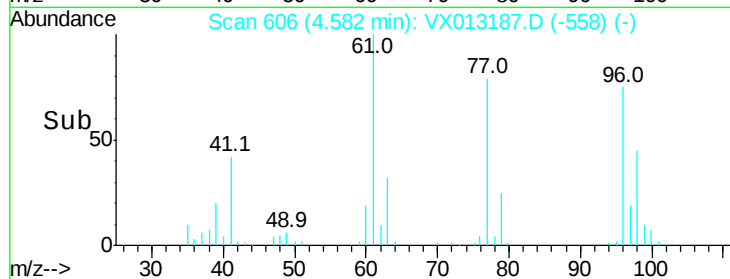
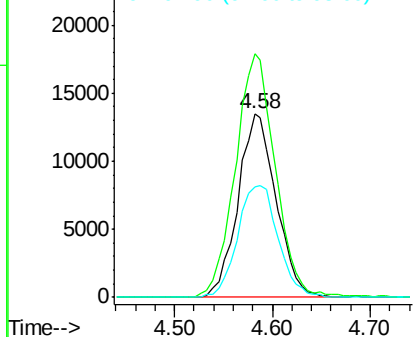
cis-1,2-Dichloroethene
 Concen: 17.740 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 36452
 Ion Ratio Lower Upper
 96 100
 61 138.7 0.0 288.0
 98 64.5 0.0 131.2



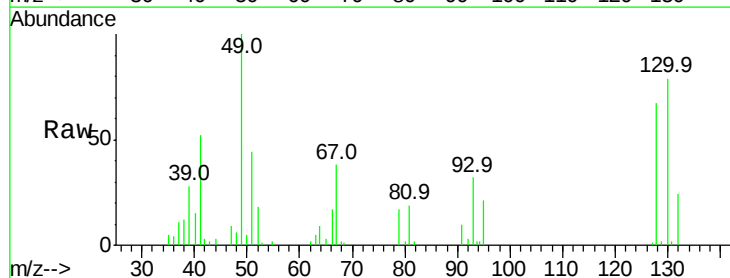
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



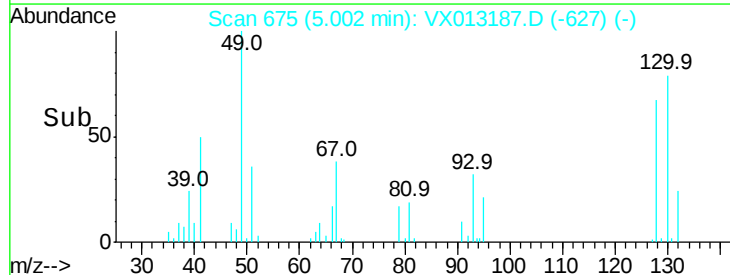
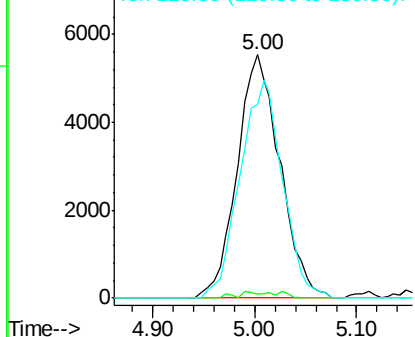
#28

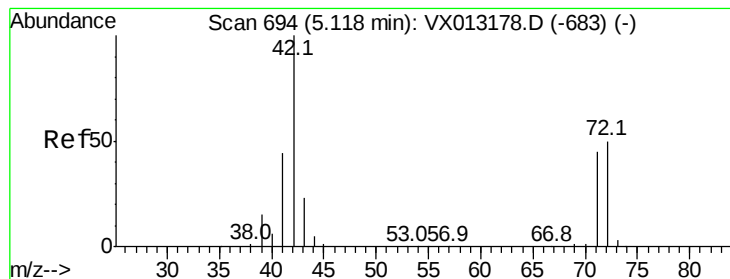
Bromochloromethane
 Concen: 19.296 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Tgt Ion: 49 Resp: 16092
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 2.8
 130 89.1 71.5 107.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 85.163 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

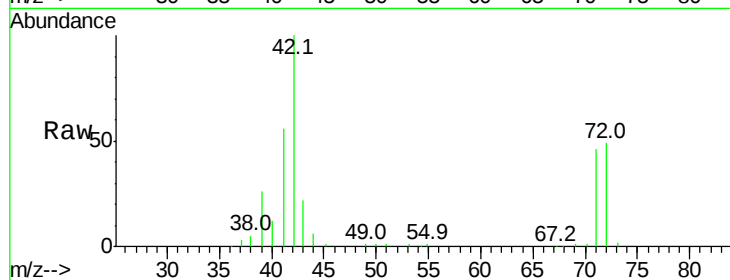
Tgt Ion: 42 Resp: 67598

Ion Ratio Lower Upper

42 100

72 51.7 40.2 60.2

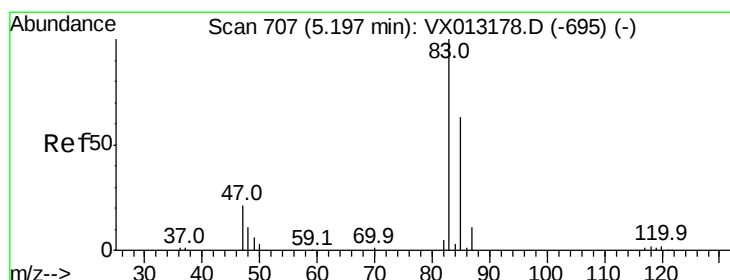
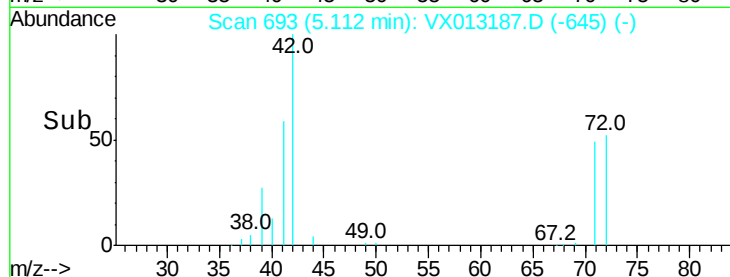
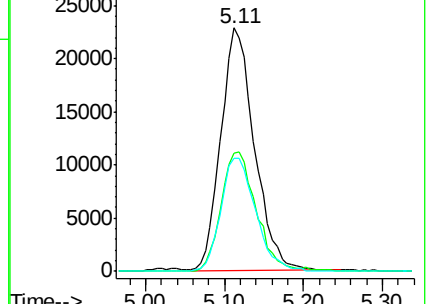
71 48.5 37.0 55.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 17.335 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013187.D

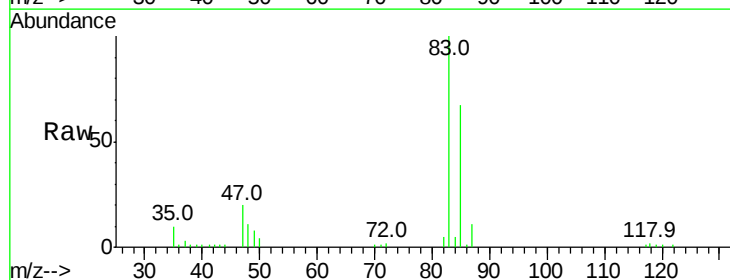
Acq: 23 Oct 2019 13:56

Tgt Ion: 83 Resp: 58441

Ion Ratio Lower Upper

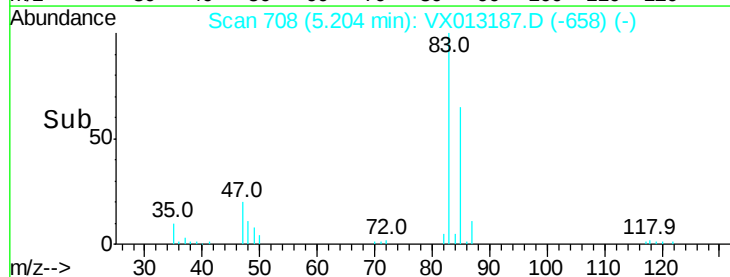
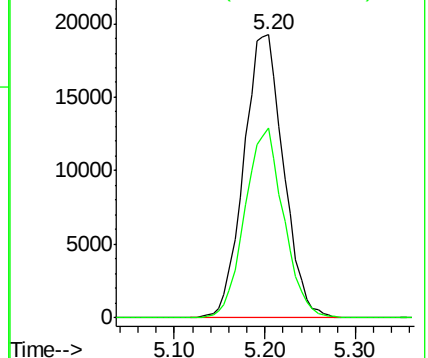
83 100

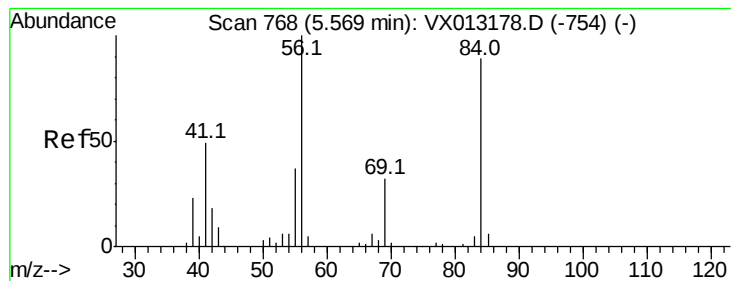
85 66.9 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 18.058 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

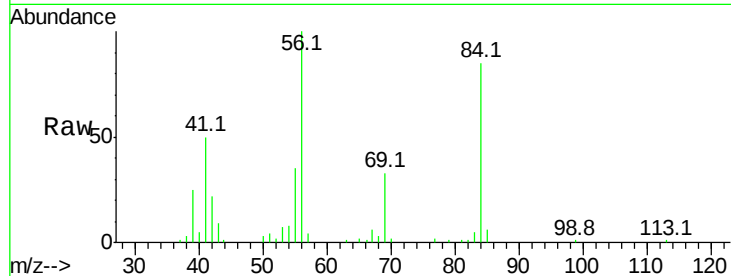
Tgt Ion: 56 Resp: 48862

Ion Ratio Lower Upper

56 100

69 33.0 25.9 38.9

84 83.6 70.8 106.2

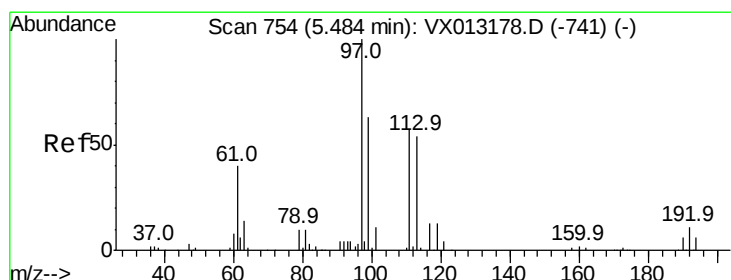
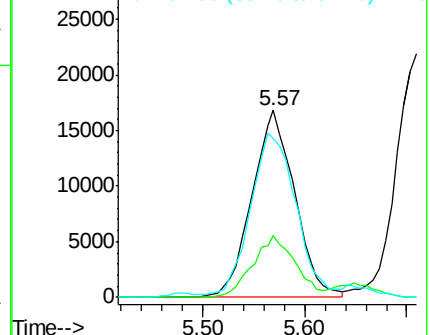
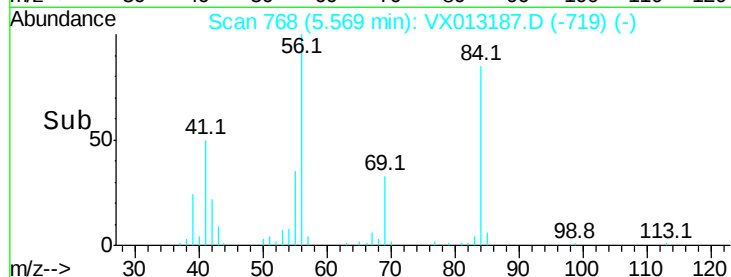


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 17.587 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

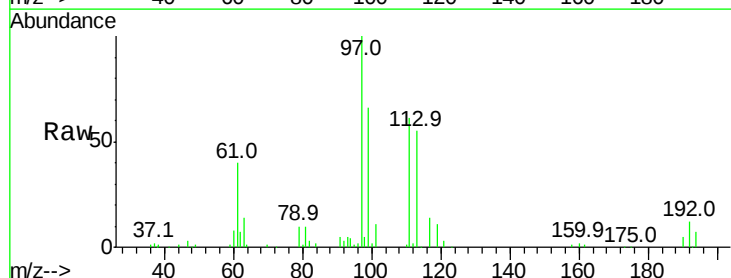
Tgt Ion: 97 Resp: 53187

Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

61 40.9 32.6 48.8

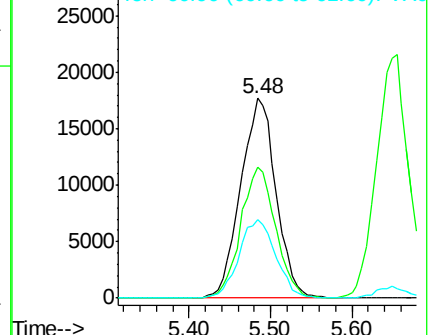
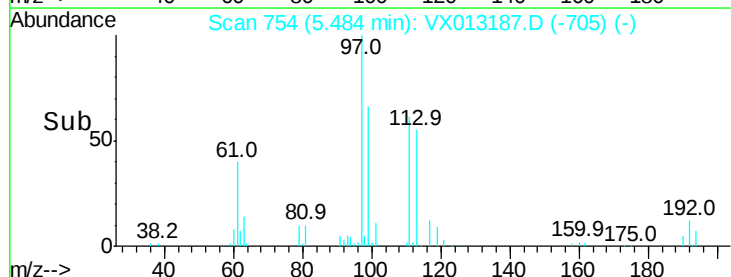


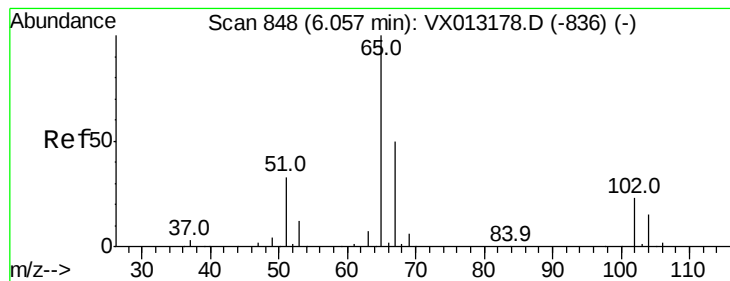
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 17.922 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

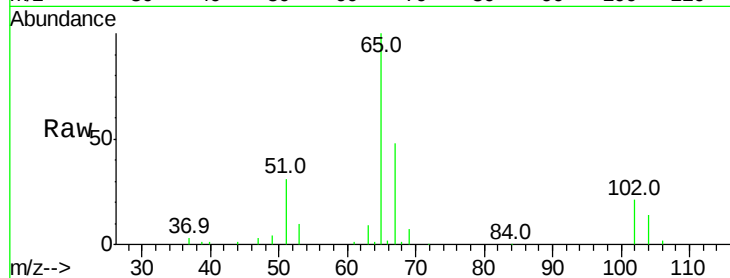
VSTDIC020

Tgt Ion: 65 Resp: 37449

Ion Ratio Lower Upper

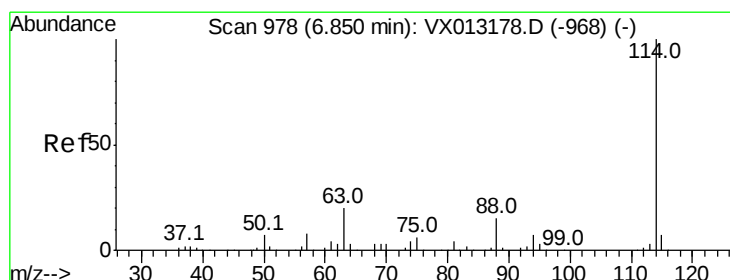
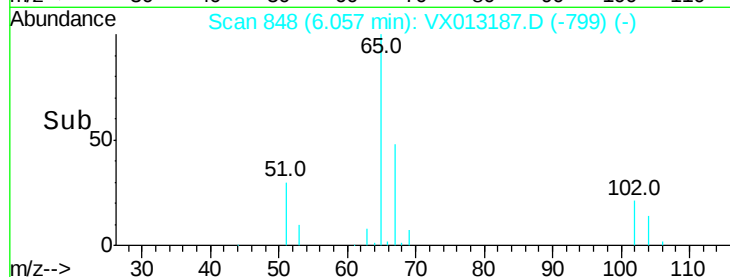
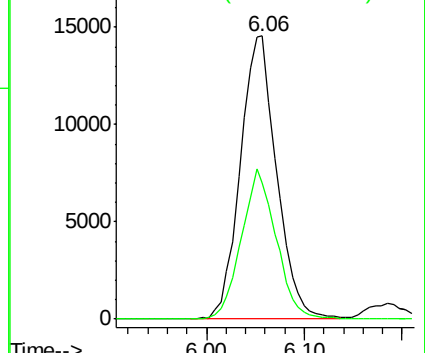
65 100

67 50.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

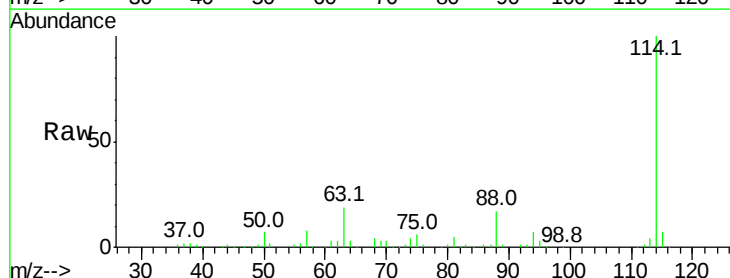
Tgt Ion: 114 Resp: 137362

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

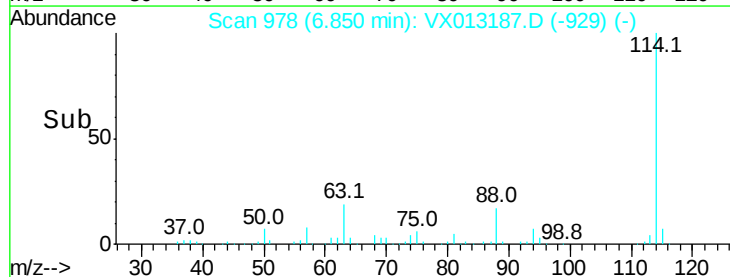
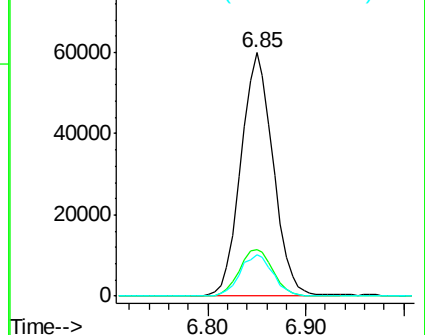
88 16.9 0.0 30.6

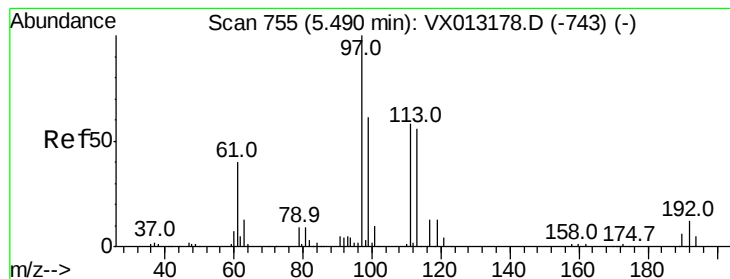


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 18.520 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

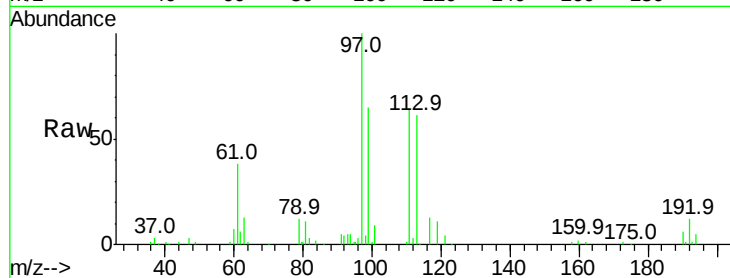
Tgt Ion:113 Resp: 29674

Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

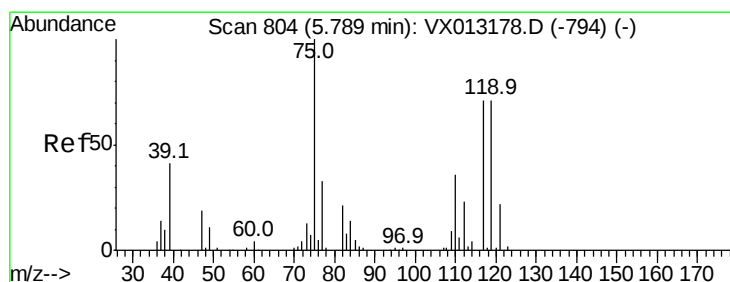
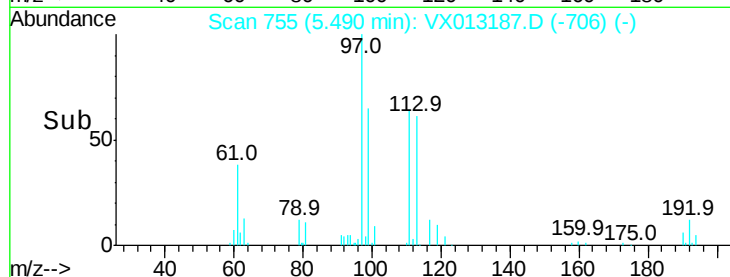
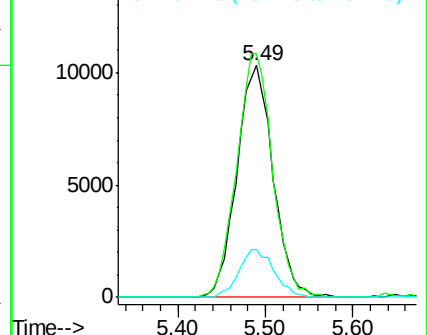
192 20.0 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.093 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

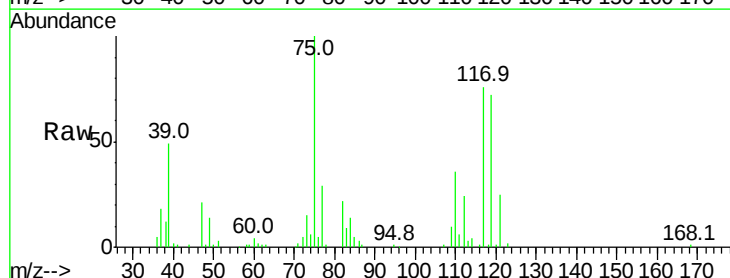
Tgt Ion: 75 Resp: 44533

Ion Ratio Lower Upper

75 100

110 35.0 18.1 54.1

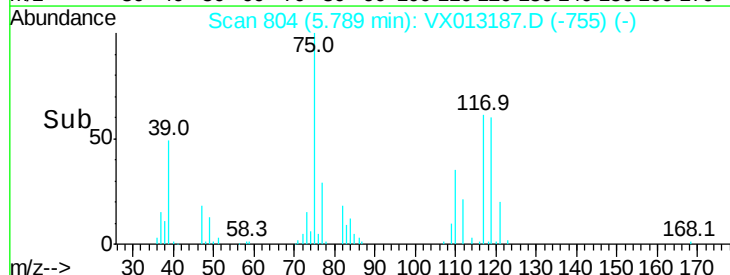
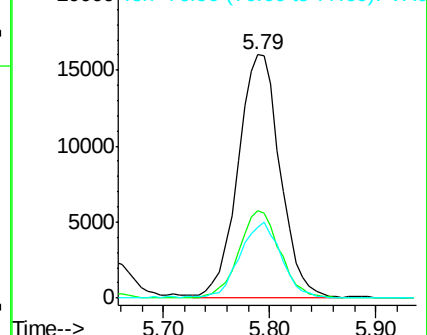
77 30.8 25.2 37.8

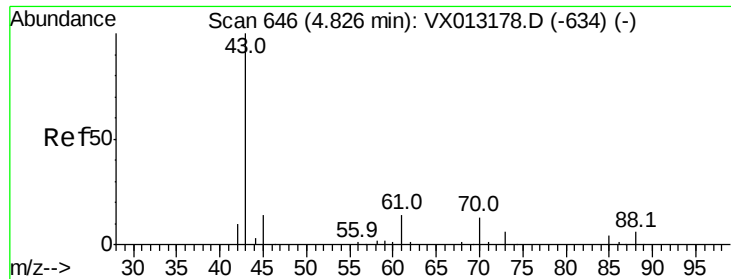


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

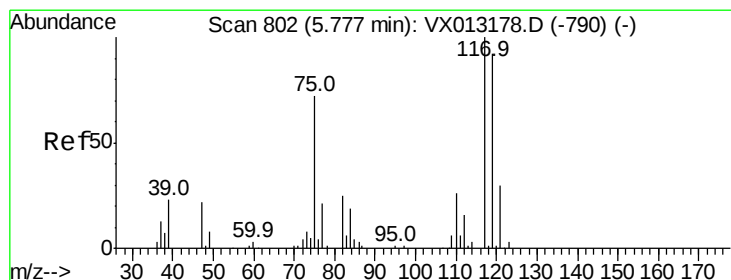
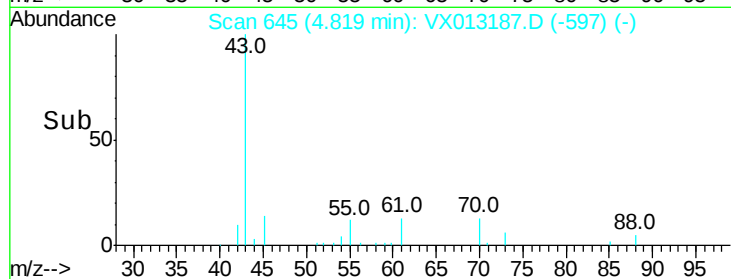
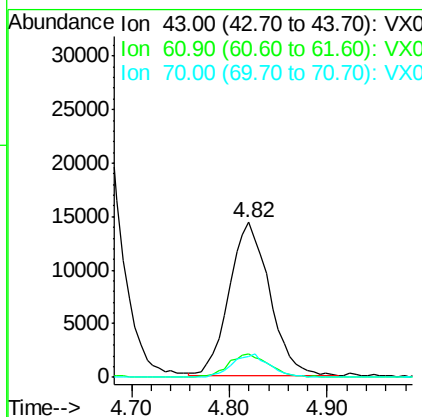
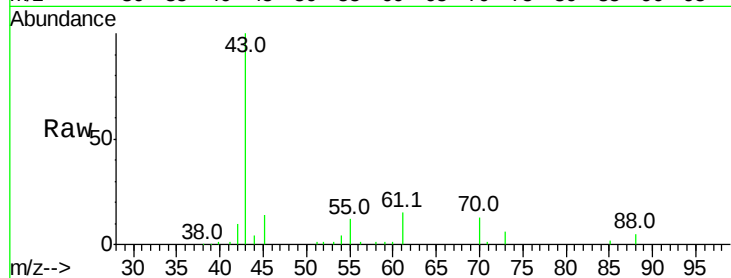




#37
Ethyl Acetate
Concen: 16.919 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX013178.D
Acq: 23 Oct 2019 13:56

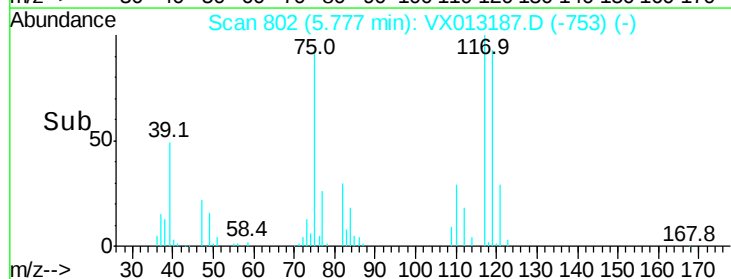
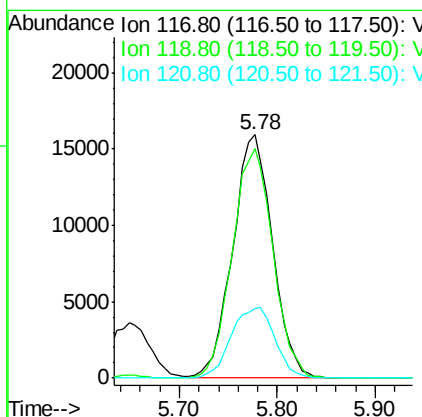
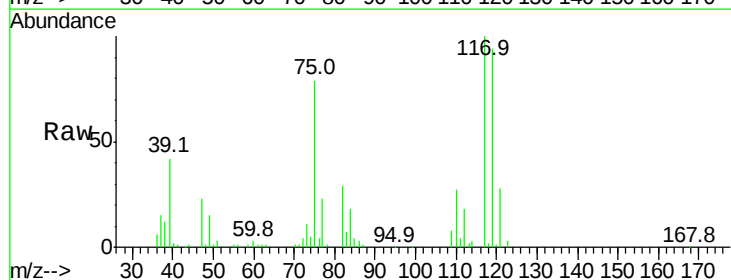
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

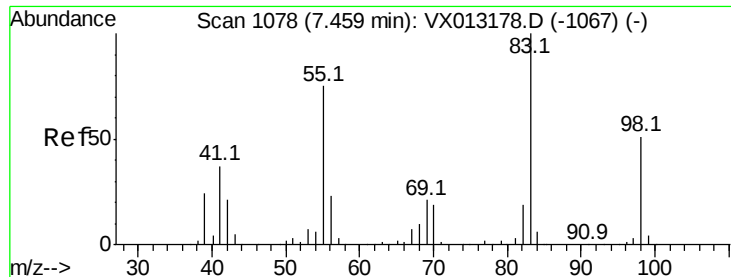
Tgt Ion: 43 Resp: 41144
Ion Ratio Lower Upper
43 100
61 15.4 11.7 17.5
70 13.6 10.0 15.0



#38
Carbon Tetrachloride
Concen: 17.969 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013178.D
Acq: 23 Oct 2019 13:56

Tgt Ion: 117 Resp: 45111
Ion Ratio Lower Upper
117 100
119 94.0 73.8 110.6
121 28.4 24.3 36.5

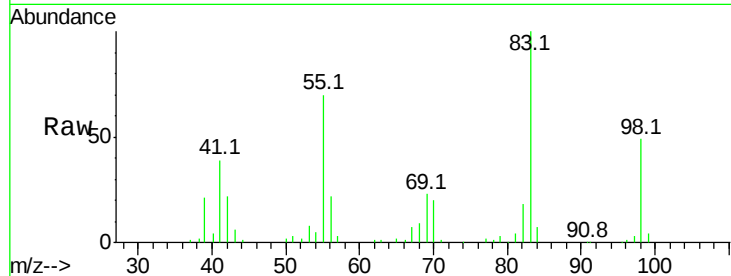




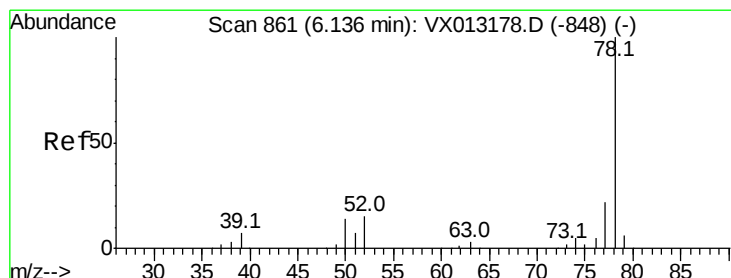
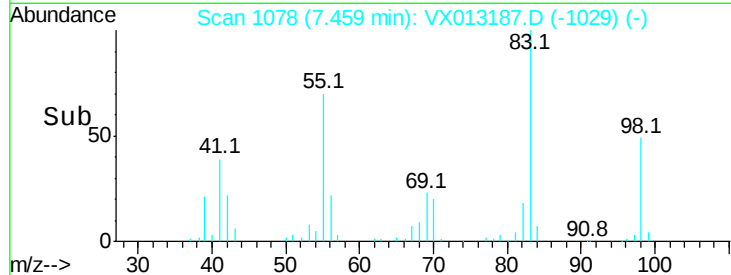
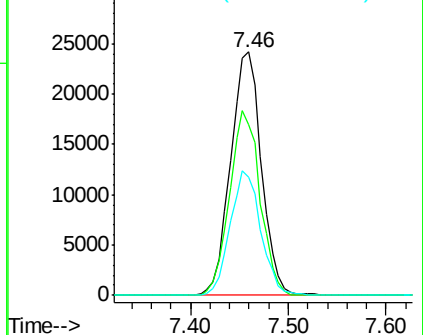
#39
Methylcyclohexane
Concen: 18.146 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 52959
Ion Ratio Lower Upper
83 100
55 70.0 60.3 90.5
98 48.8 40.6 61.0

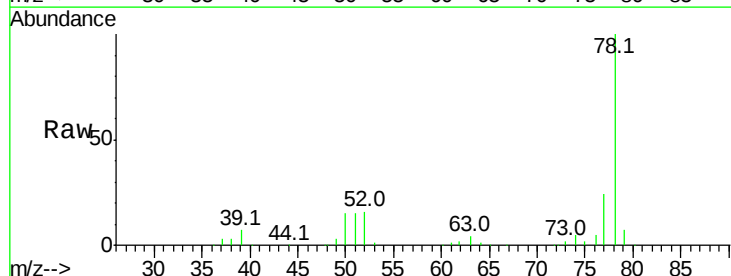


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

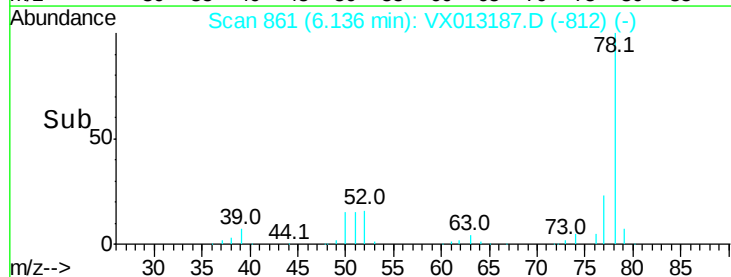
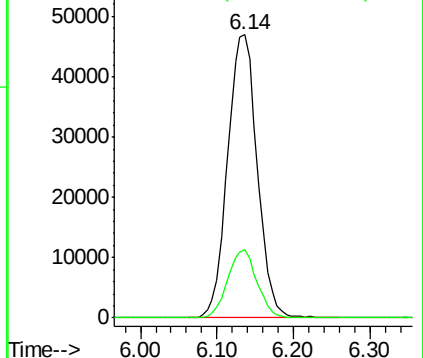


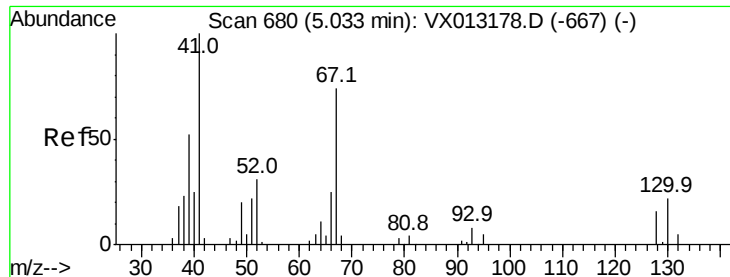
#40
Benzene
Concen: 18.009 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Tgt Ion: 78 Resp: 126042
Ion Ratio Lower Upper
78 100
77 24.0 18.0 27.0



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 17.407 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 22425

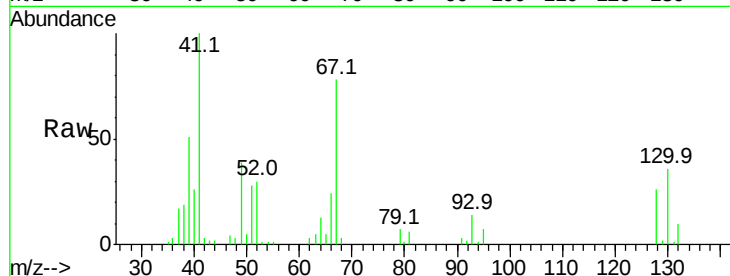
Ion Ratio Lower Upper

41 100

39 55.9 43.3 64.9

67 78.8 62.5 93.7

52 32.2 25.4 38.0

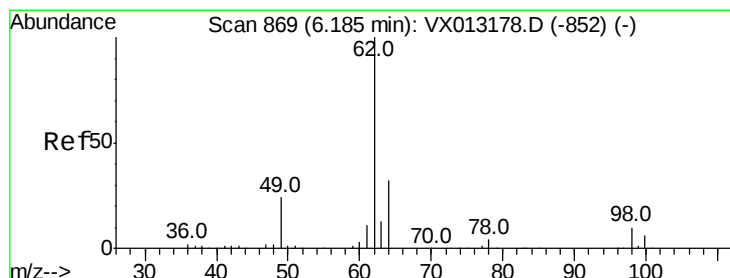
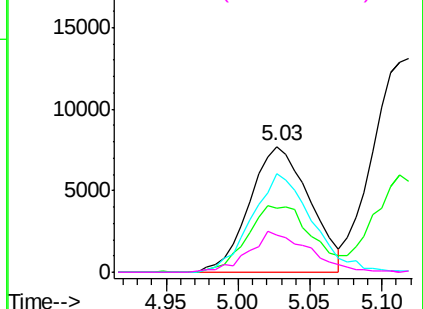
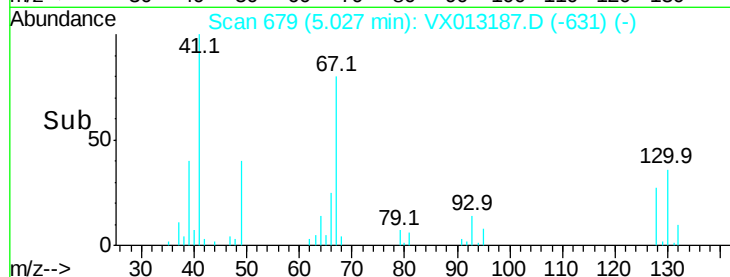


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.085 ug/l

RT: 6.19 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX013187.D

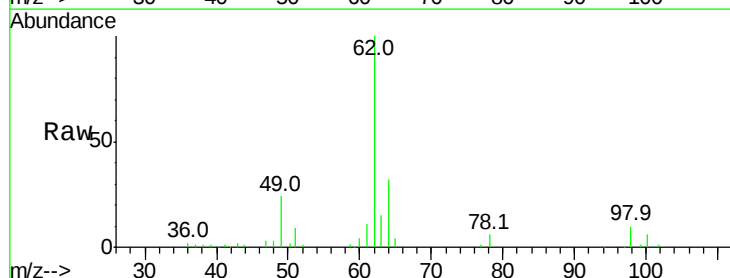
Acq: 23 Oct 2019 13:56

Tgt Ion: 62 Resp: 47556

Ion Ratio Lower Upper

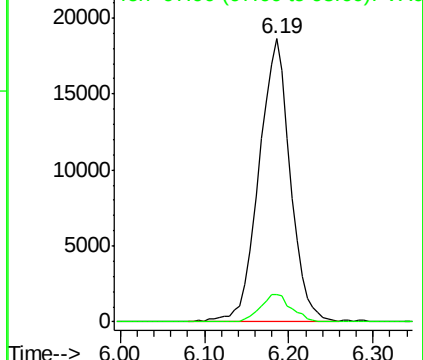
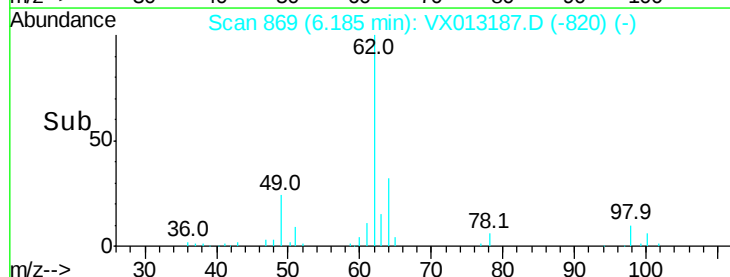
62 100

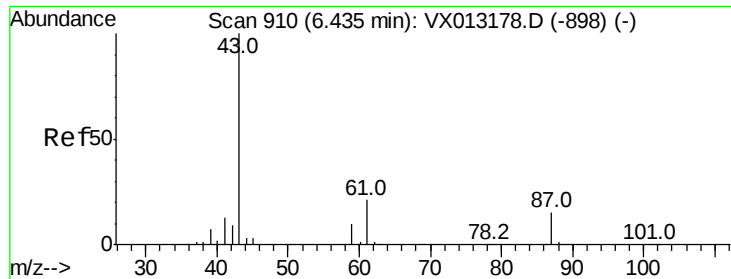
98 9.6 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.012 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

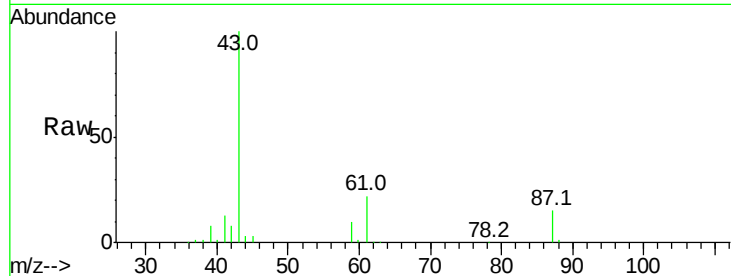
Tgt Ion: 43 Resp: 69886

Ion Ratio Lower Upper

43 100

61 21.1 16.8 25.2

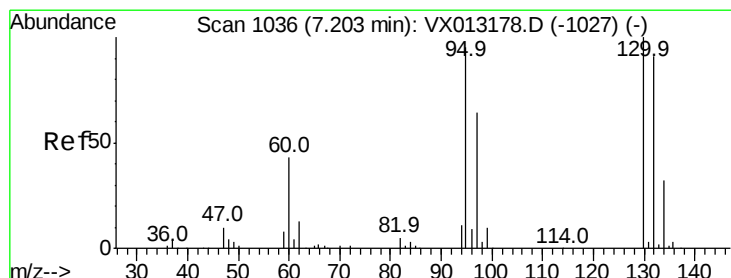
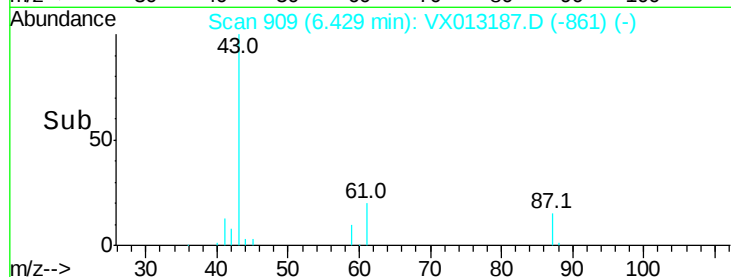
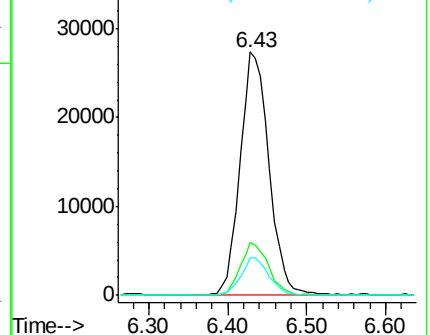
87 15.0 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 18.076 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013187.D

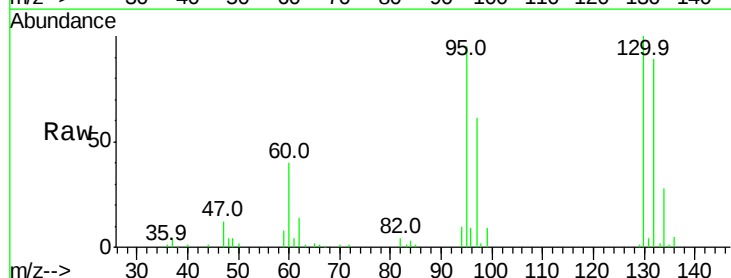
Acq: 23 Oct 2019 13:56

Tgt Ion: 130 Resp: 35841

Ion Ratio Lower Upper

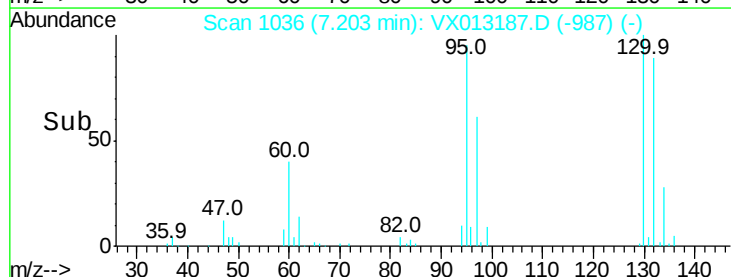
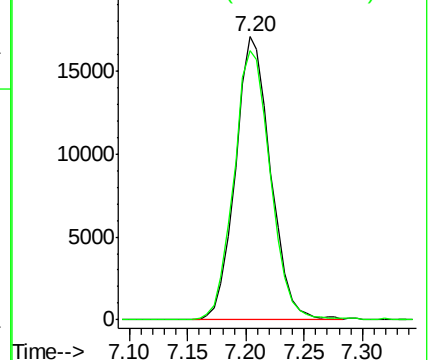
130 100

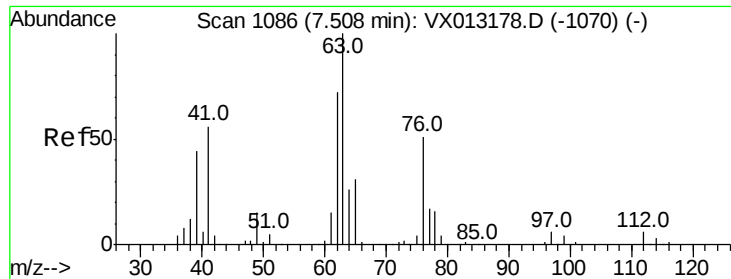
95 94.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 18.181 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013178.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

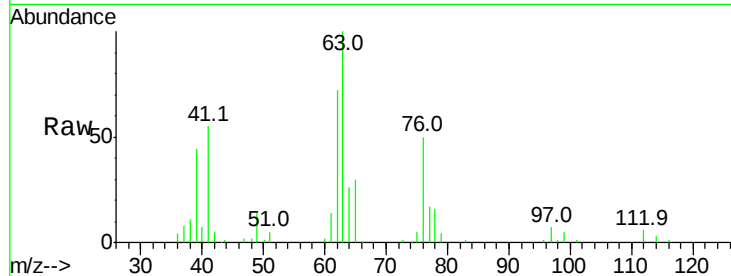
VSTDIC020

Tgt Ion: 63 Resp: 31583

Ion Ratio Lower Upper

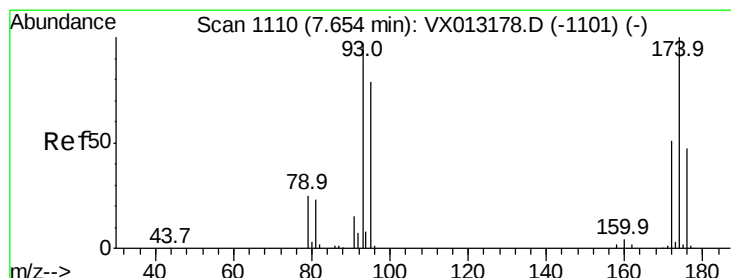
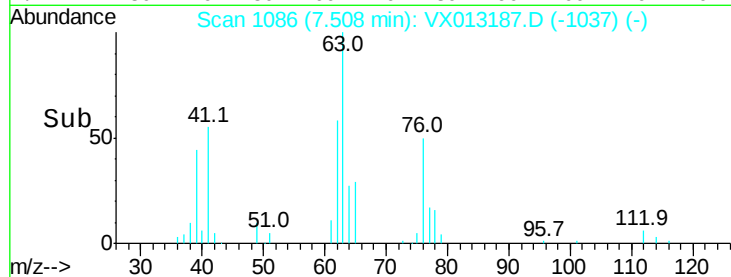
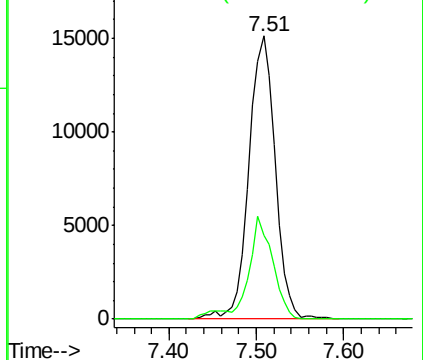
63 100

65 29.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.246 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013178.D

Acq: 23 Oct 2019 13:56

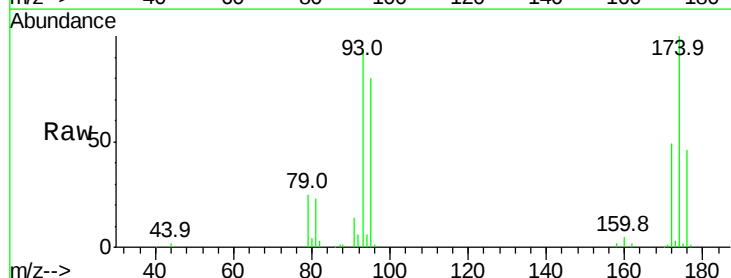
Tgt Ion: 93 Resp: 22370

Ion Ratio Lower Upper

93 100

95 82.7 66.1 99.1

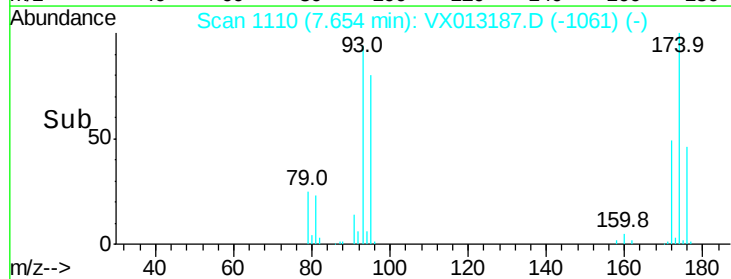
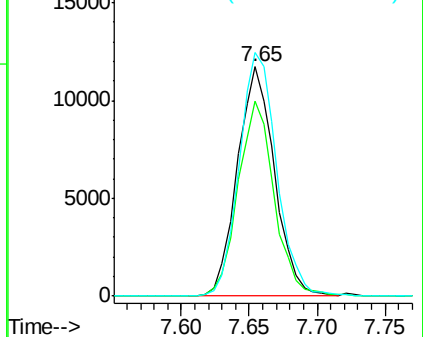
174 107.3 83.0 124.4

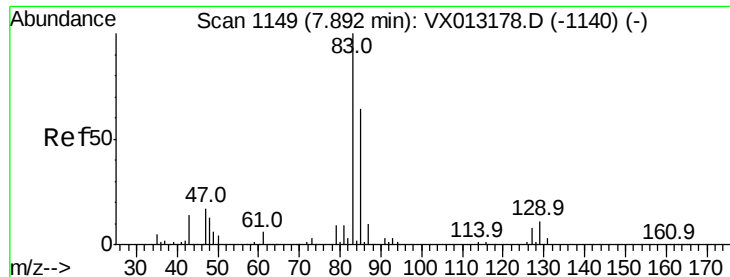


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.255 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

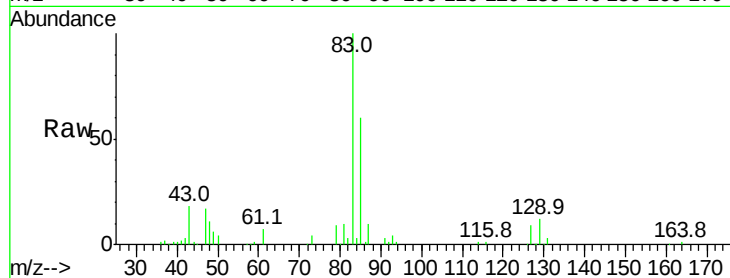
Tgt Ion: 83 Resp: 44100

Ion Ratio Lower Upper

83 100

85 59.7 50.9 76.3

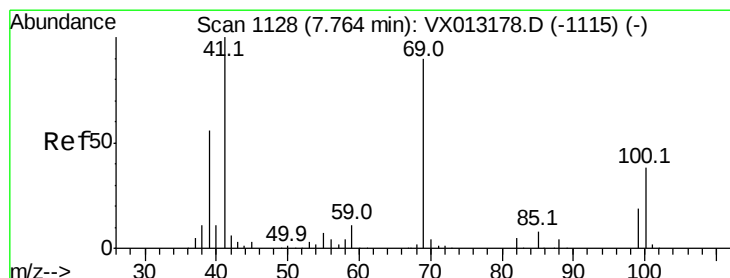
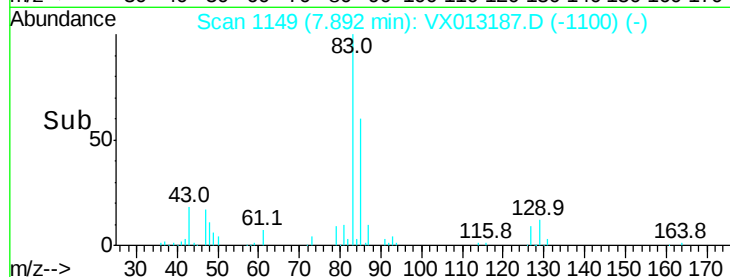
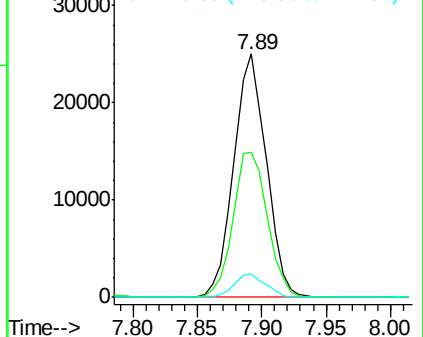
127 9.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.086 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

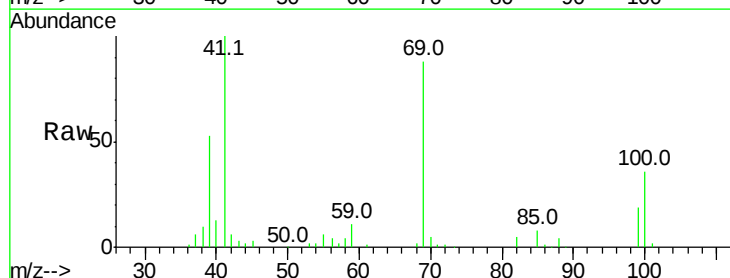
Tgt Ion: 41 Resp: 34030

Ion Ratio Lower Upper

41 100

69 90.4 72.2 108.4

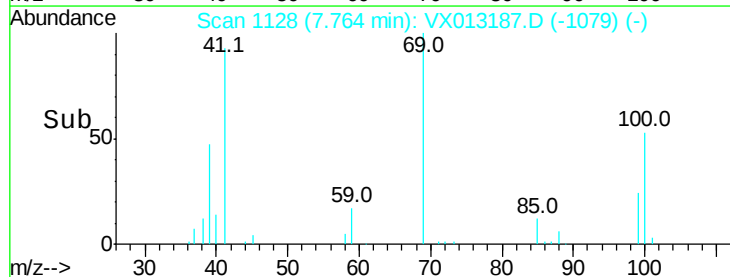
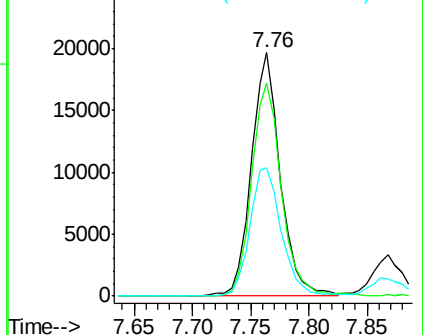
39 57.5 45.6 68.4

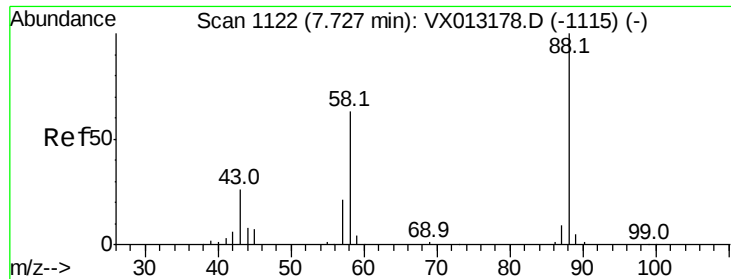


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

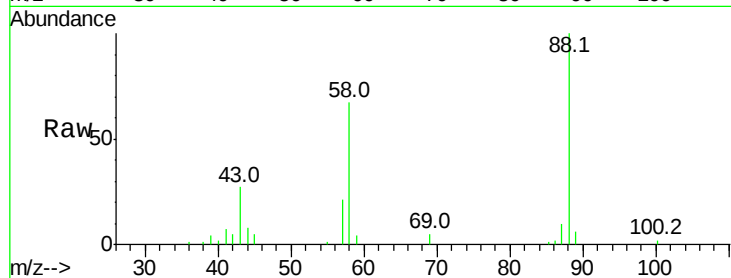




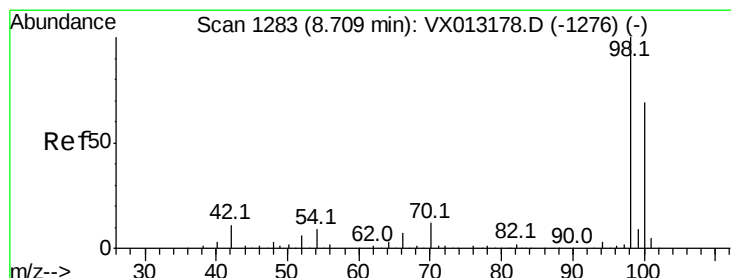
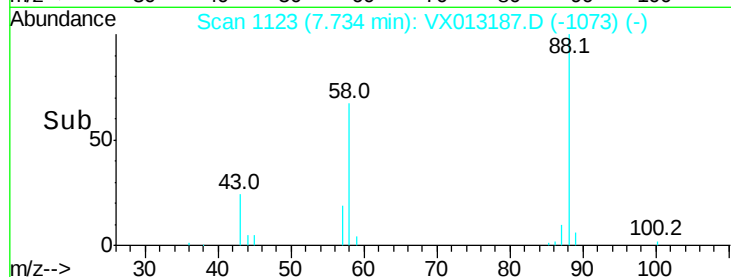
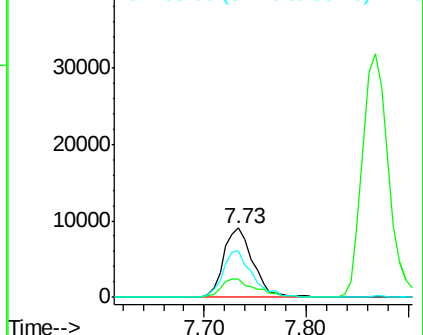
#49
1,4-Dioxane
Concen: 353.290 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 18105
Ion Ratio Lower Upper
88 100
43 31.3 24.4 36.6
58 67.1 52.2 78.4

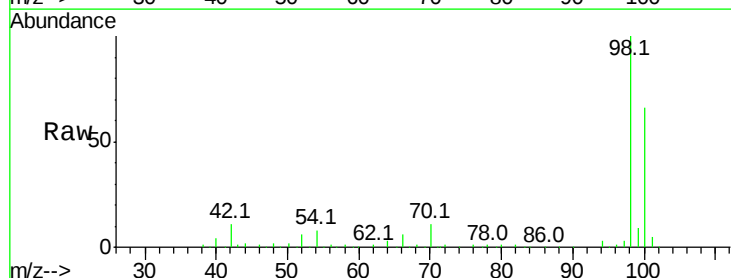


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

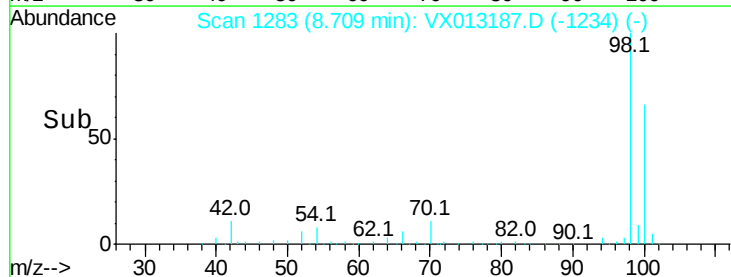
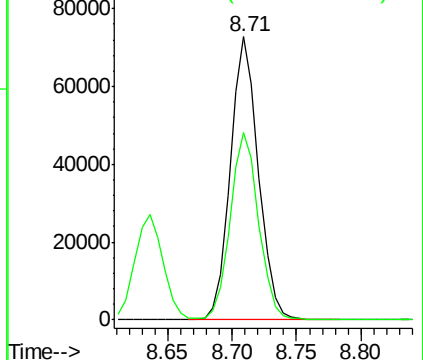


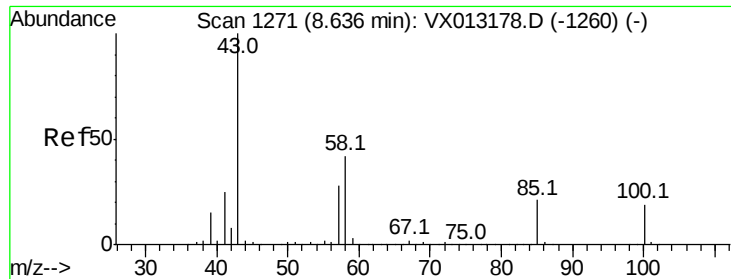
#50
Toluene-d8
Concen: 18.868 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Tgt Ion: 98 Resp: 110444
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 90.307 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

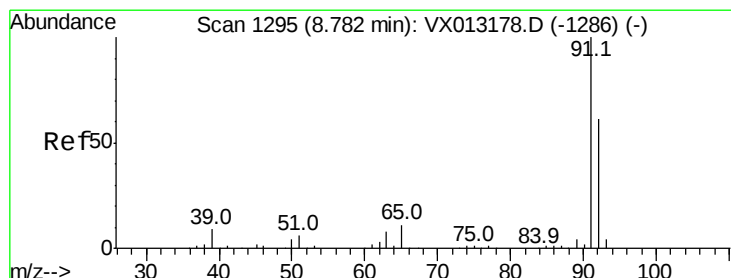
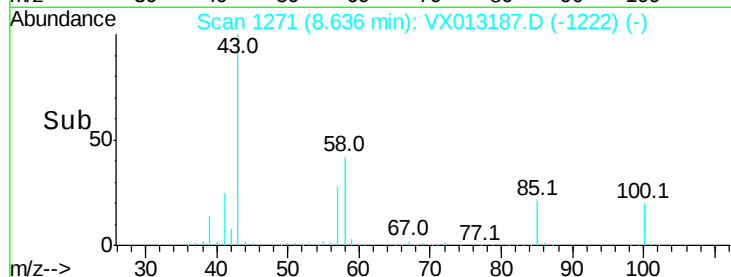
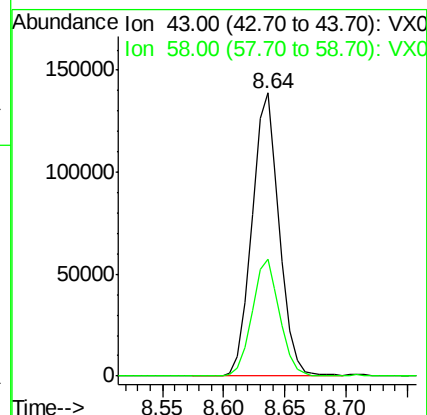
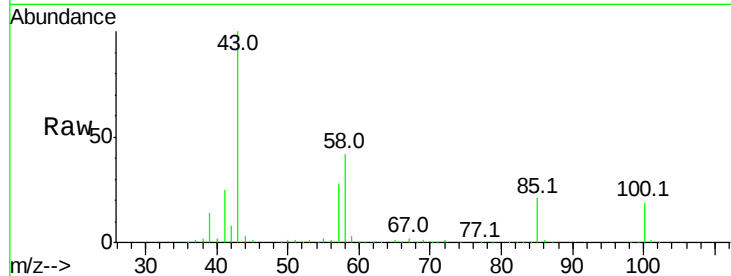
VSTDIC020

Tgt Ion: 43 Resp: 214728

Ion Ratio Lower Upper

43 100

58 41.7 33.5 50.3



#52

Toluene

Concen: 18.207 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013187.D

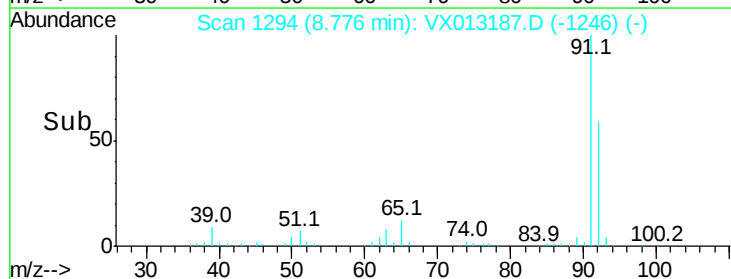
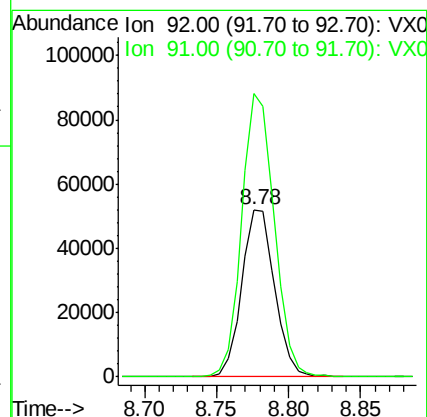
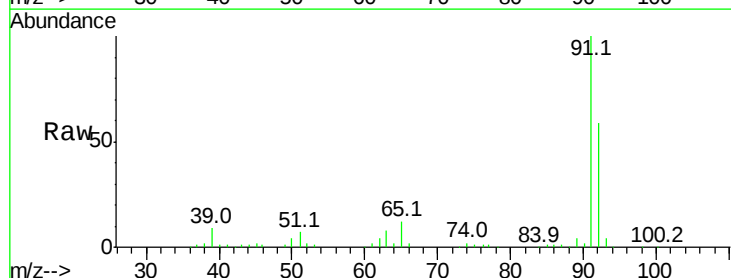
Acq: 23 Oct 2019 13:56

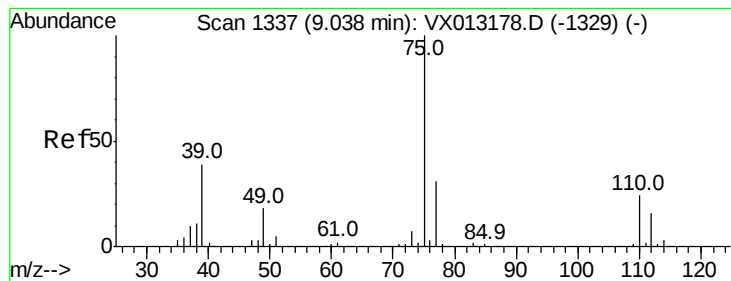
Tgt Ion: 92 Resp: 82221

Ion Ratio Lower Upper

92 100

91 168.3 133.4 200.0





#53

t-1,3-Dichloropropene

Concen: 18.236 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

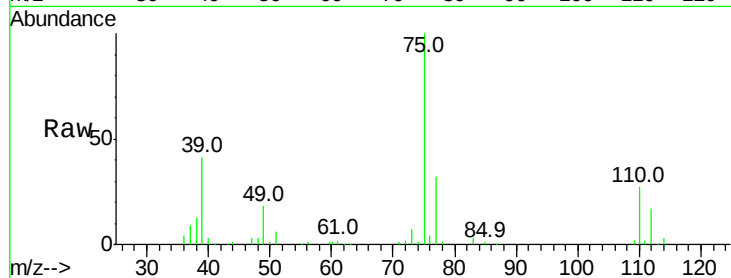
VSTDIC020

Tgt Ion: 75 Resp: 47178

Ion Ratio Lower Upper

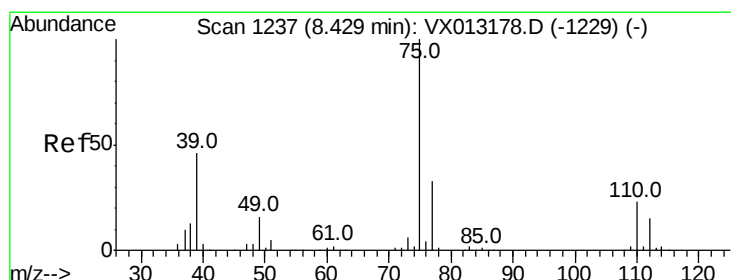
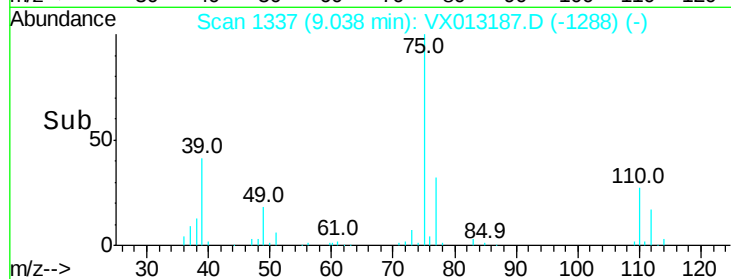
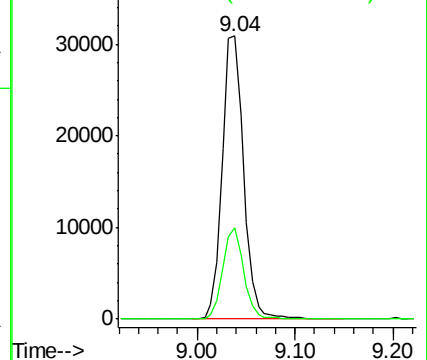
75 100

77 32.4 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 18.381 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

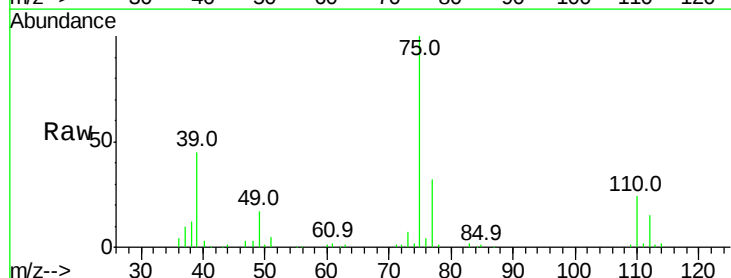
Tgt Ion: 75 Resp: 52454

Ion Ratio Lower Upper

75 100

77 31.7 26.4 39.6

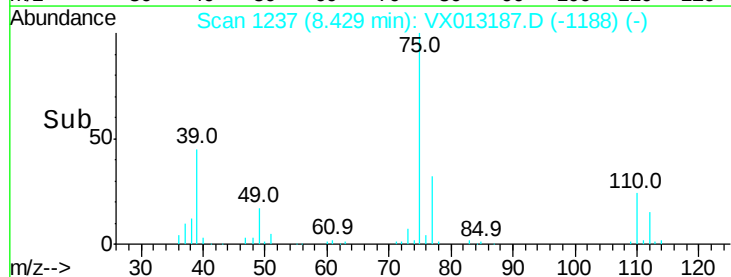
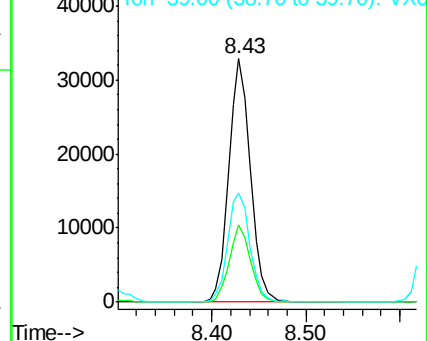
39 44.7 36.6 55.0

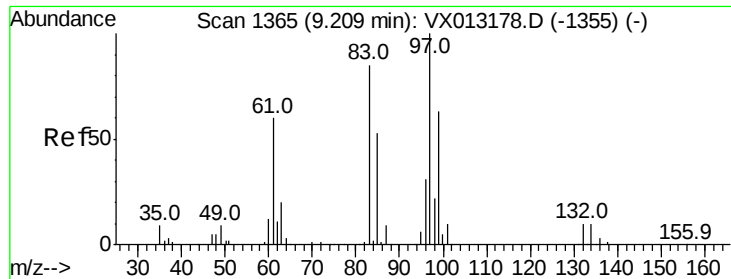


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

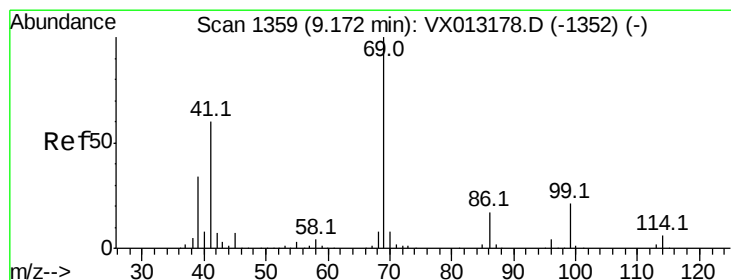
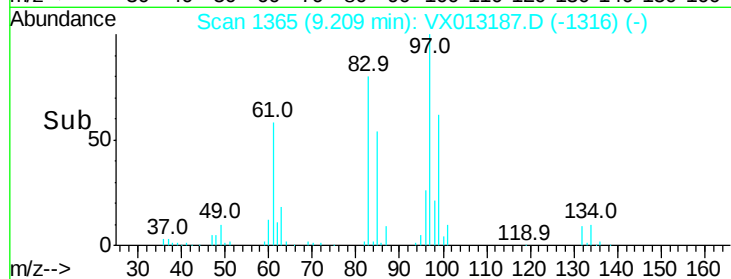
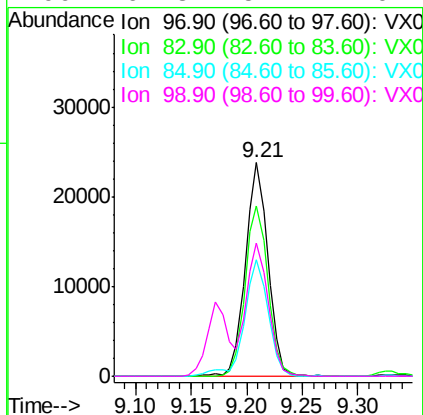
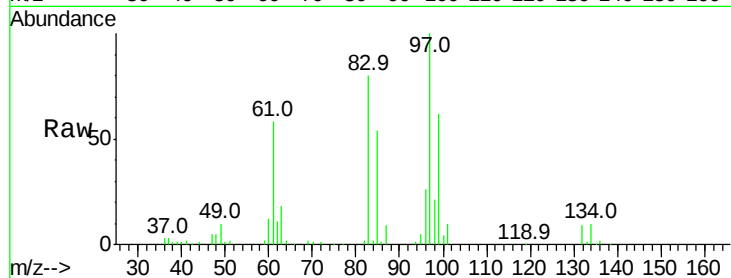




#55
 1,1,2-Trichloroethane
 Concen: 18.441 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

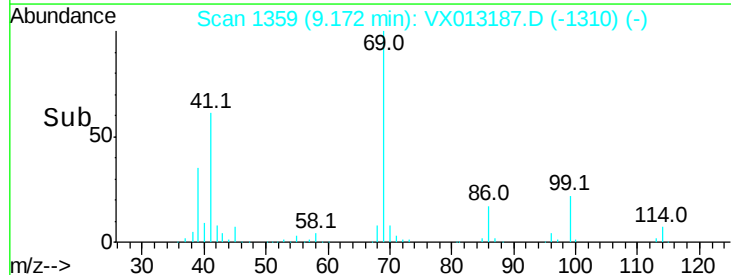
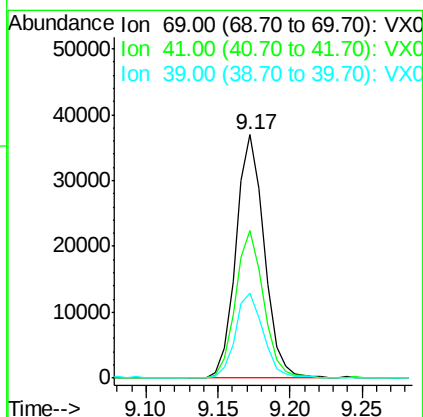
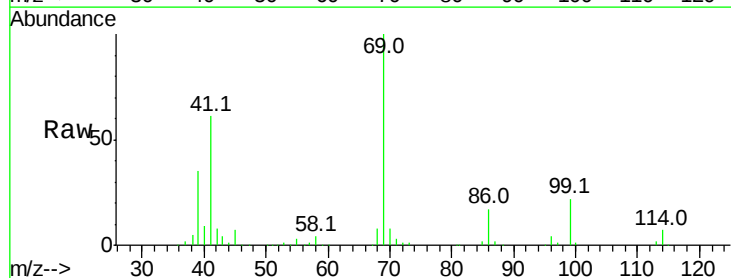
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

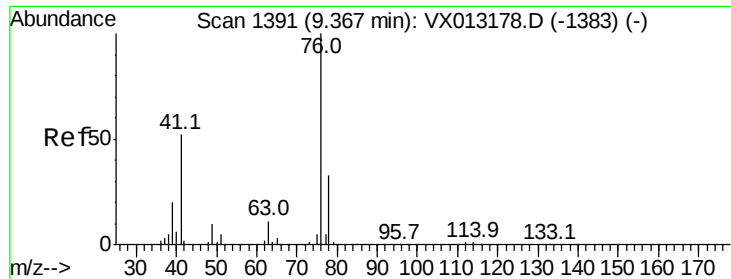
Tgt Ion:	97	Resp:	33670
Ion	Ratio	Lower	Upper
97	100		
83	79.7	67.8	101.6
85	54.5	42.7	64.1
99	62.3	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 18.132 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Tgt Ion:	69	Resp:	50673
Ion	Ratio	Lower	Upper
69	100		
41	60.3	48.5	72.7
39	34.9	27.8	41.6





#57

1,3-Dichloropropane

Concen: 18.365 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

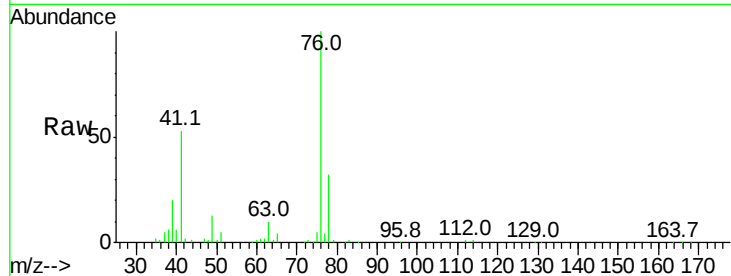
VSTDIC020

Tgt Ion: 76 Resp: 55463

Ion Ratio Lower Upper

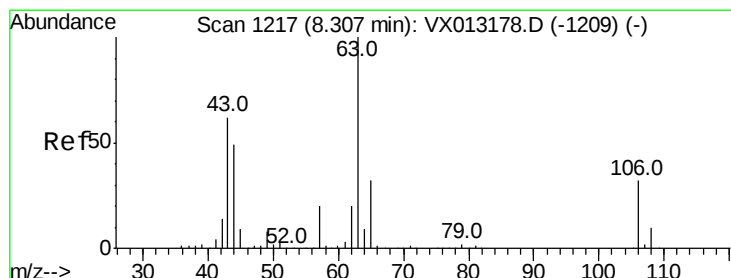
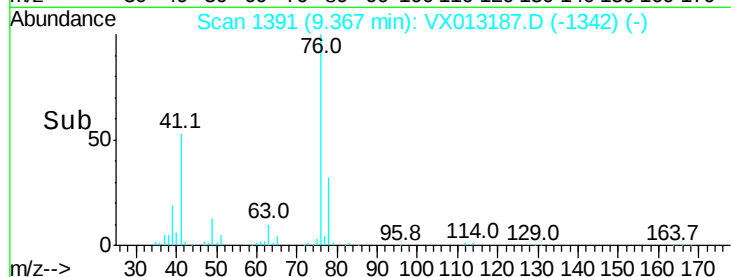
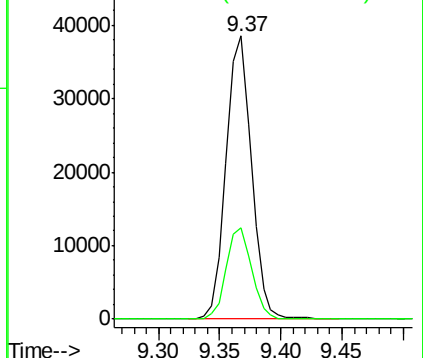
76 100

78 32.2 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.267 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013187.D

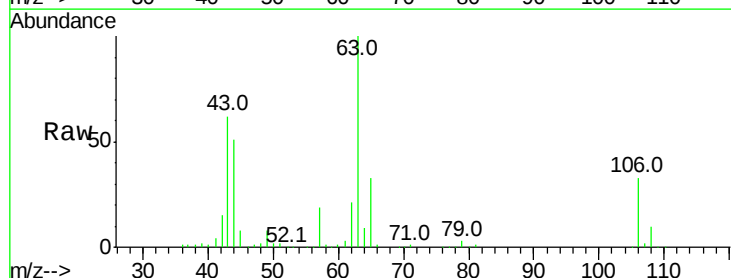
Acq: 23 Oct 2019 13:56

Tgt Ion: 63 Resp: 104494

Ion Ratio Lower Upper

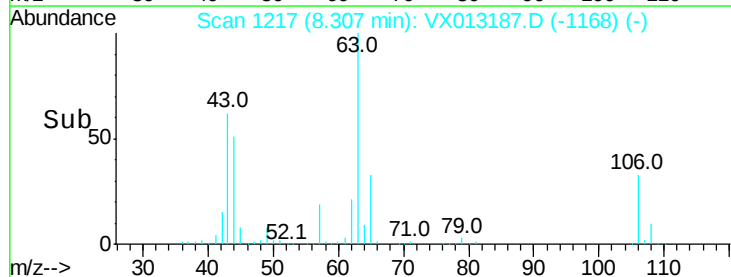
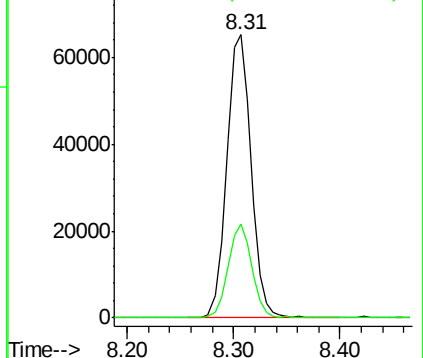
63 100

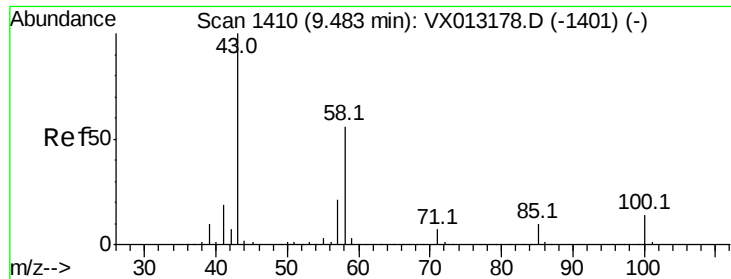
106 32.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

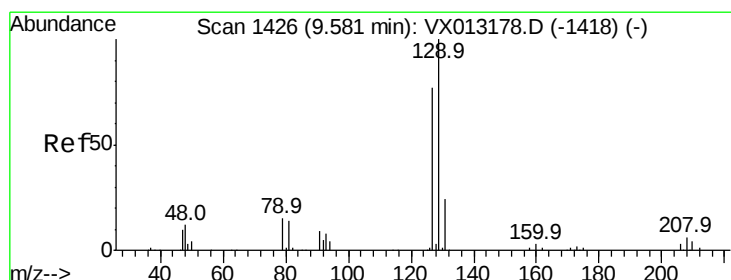
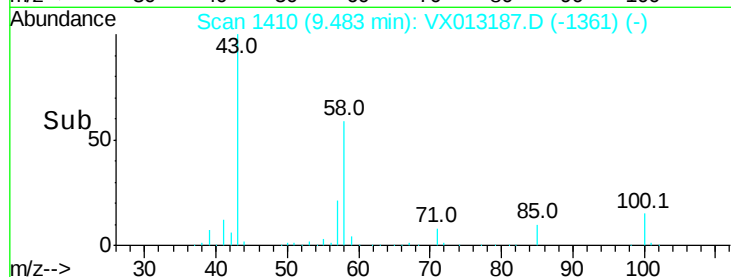
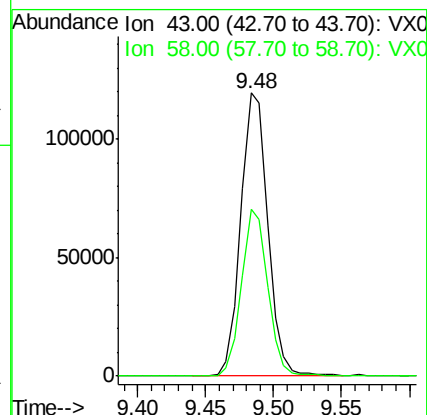
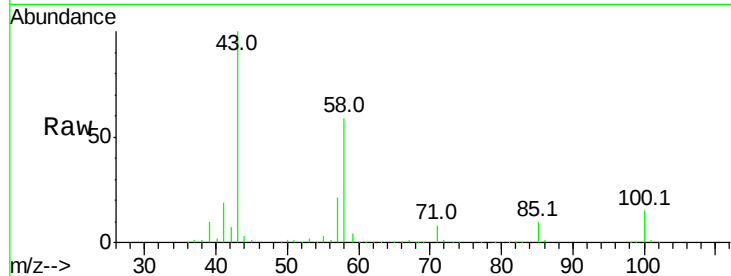




#59
2-Hexanone
Concen: 88.954 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

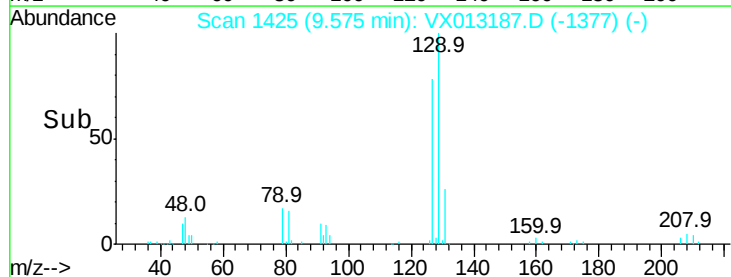
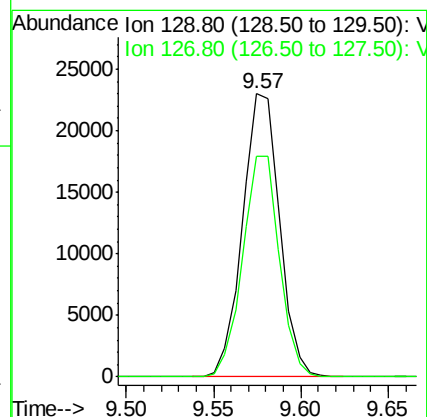
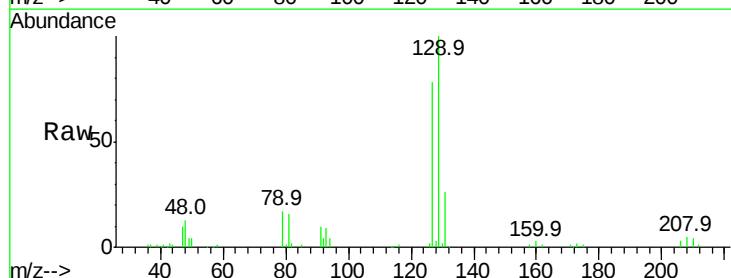
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

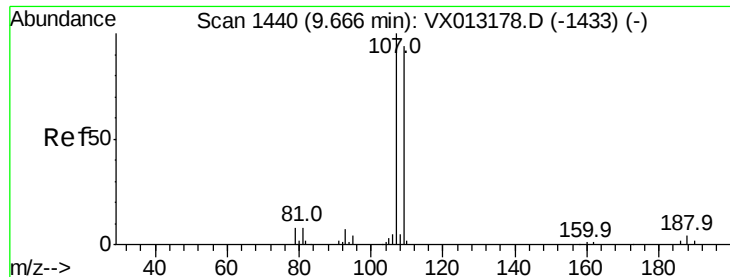
Tgt Ion: 43 Resp: 165910
Ion Ratio Lower Upper
43 100
58 57.9 28.4 85.3



#60
Dibromochloromethane
Concen: 18.047 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Tgt Ion: 129 Resp: 33818
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 17.769 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

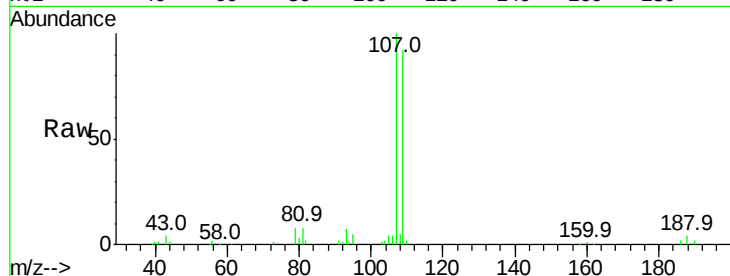
VSTDIC020

Tgt Ion:107 Resp: 34682

Ion Ratio Lower Upper

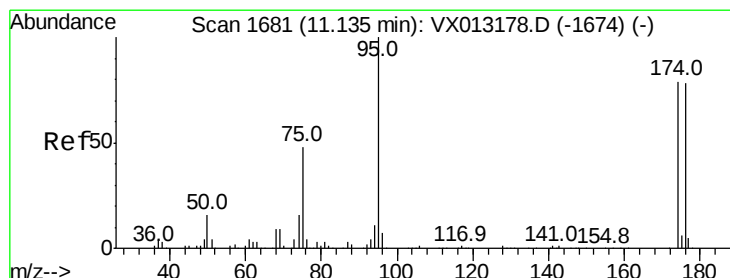
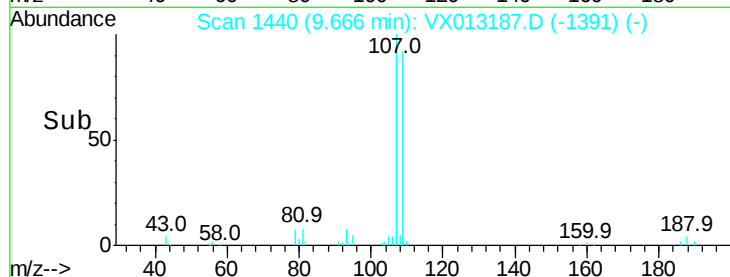
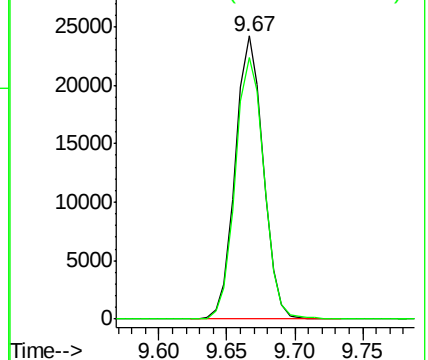
107 100

109 95.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 17.489 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

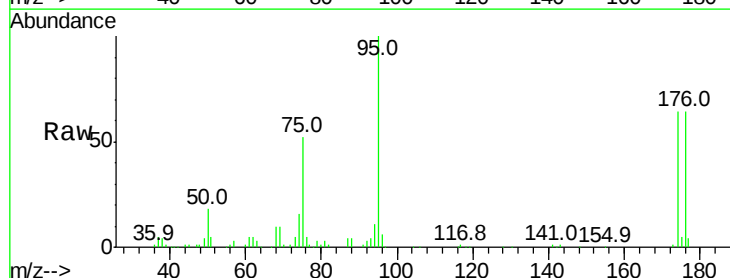
Tgt Ion: 95 Resp: 42177

Ion Ratio Lower Upper

95 100

174 74.7 0.0 155.6

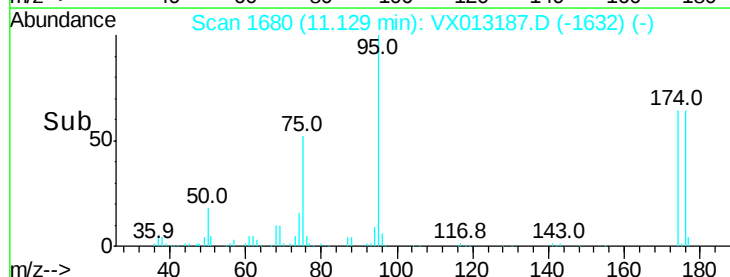
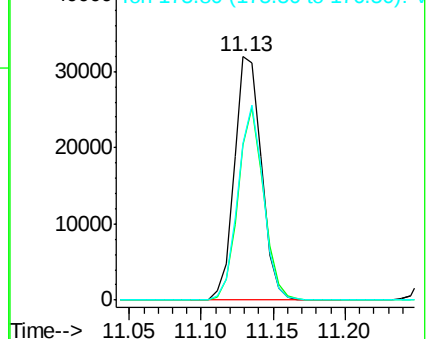
176 74.9 0.0 151.2

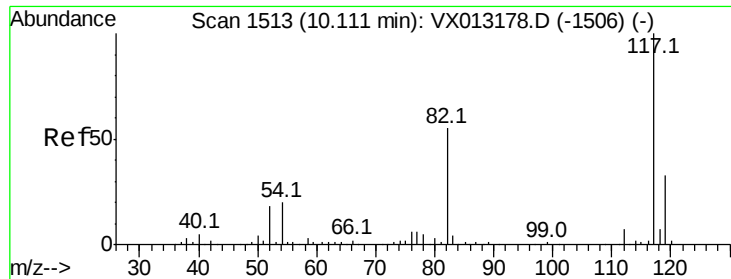


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

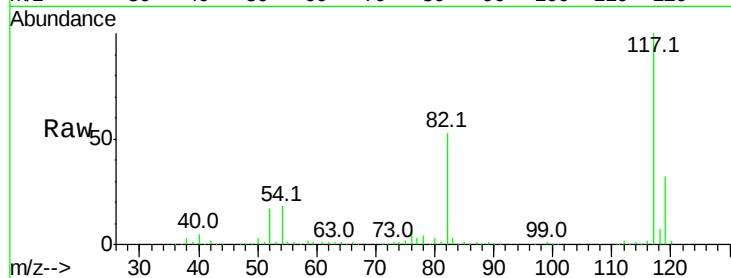




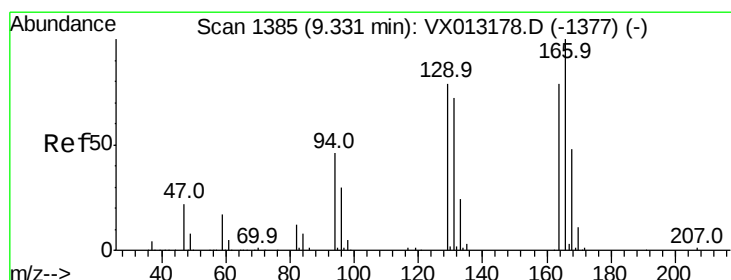
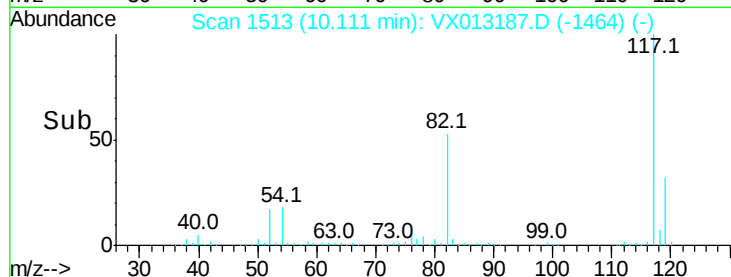
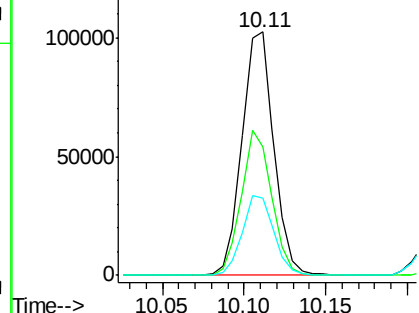
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 139789
Ion Ratio Lower Upper
117 100
82 52.6 44.0 66.0
119 31.9 26.3 39.5

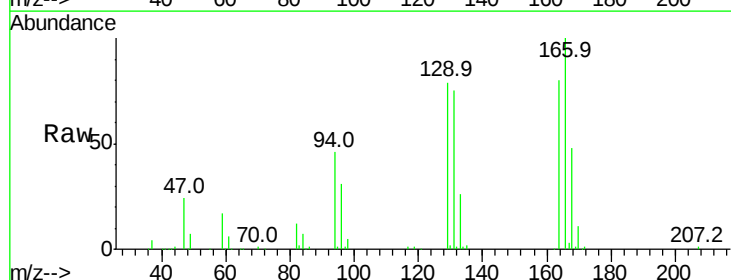


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

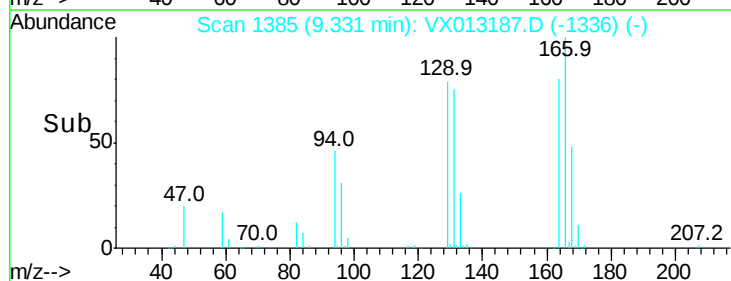
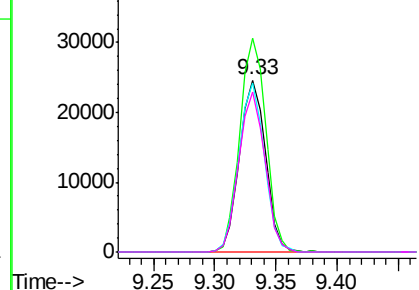


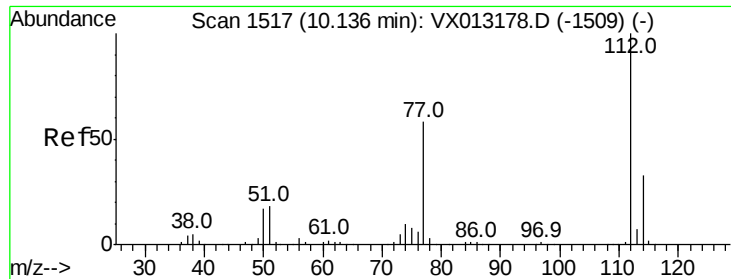
#64
Tetrachloroethene
Concen: 19.089 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Tgt Ion:164 Resp: 36240
Ion Ratio Lower Upper
164 100
166 124.3 101.3 151.9
129 98.1 79.9 119.9
131 93.1 72.5 108.7



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: 18.012 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

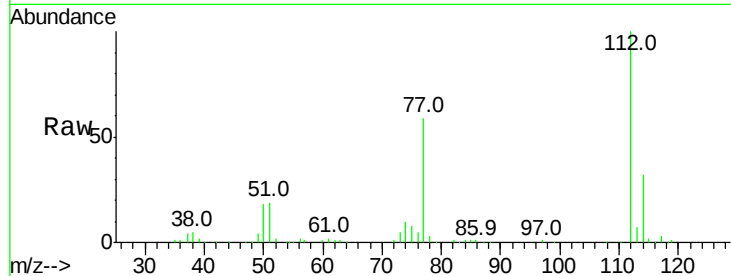
VSTDIC020

Tgt Ion:112 Resp: 87958

Ion Ratio Lower Upper

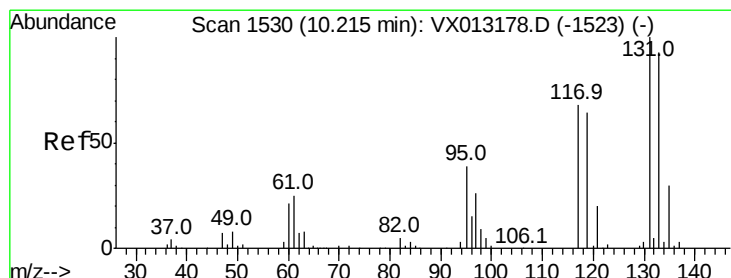
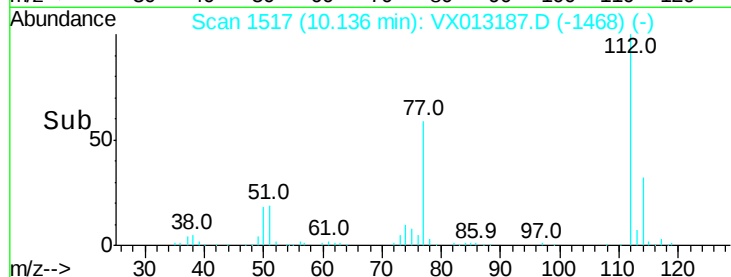
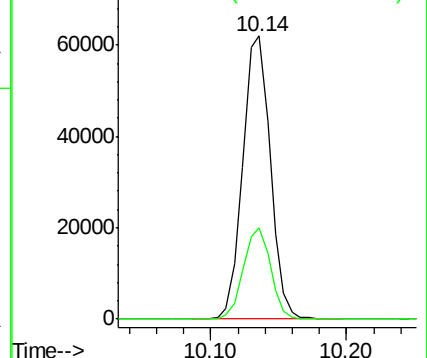
112 100

114 32.2 26.2 39.4



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: 18.045 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

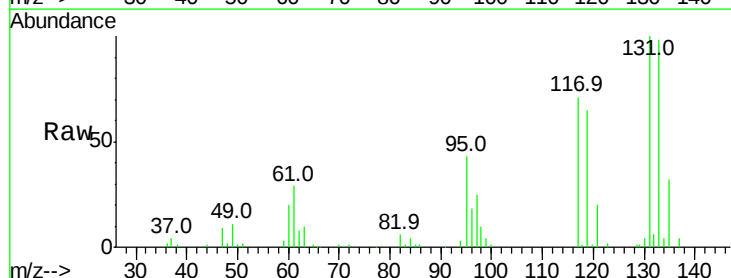
Tgt Ion:131 Resp: 32279

Ion Ratio Lower Upper

131 100

133 95.9 47.3 141.9

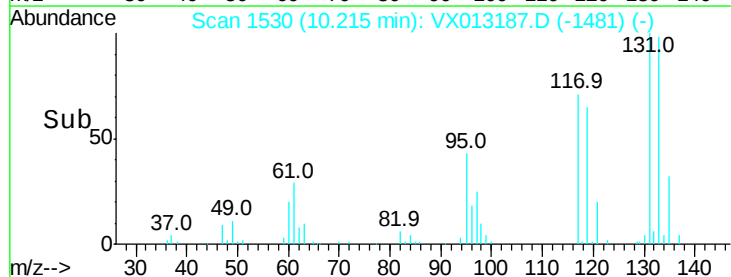
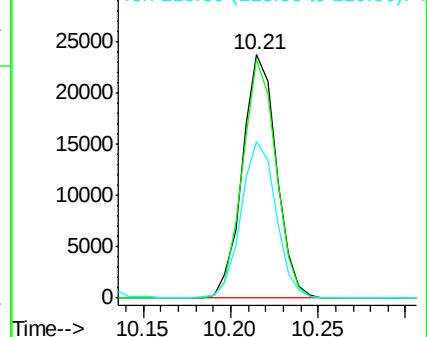
119 66.0 31.6 94.8

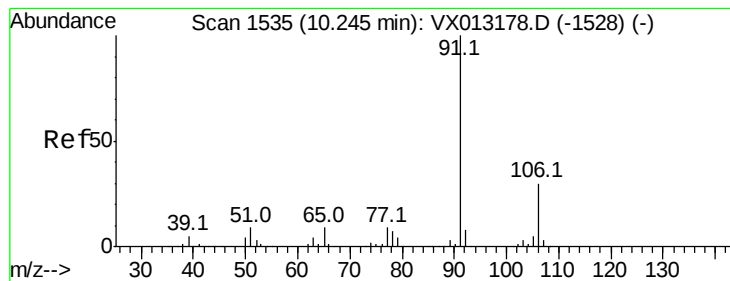


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.268 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

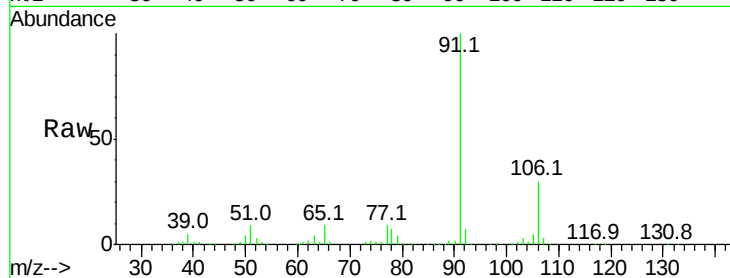
VSTDIC020

Tgt Ion: 91 Resp: 159468

Ion Ratio Lower Upper

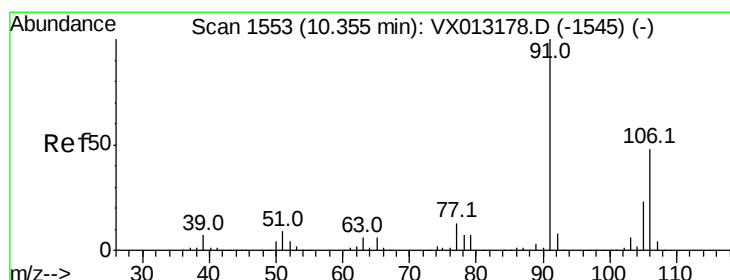
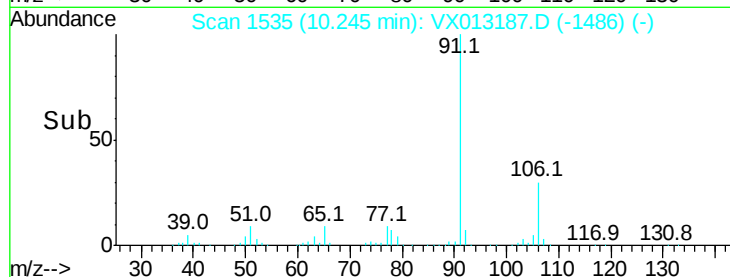
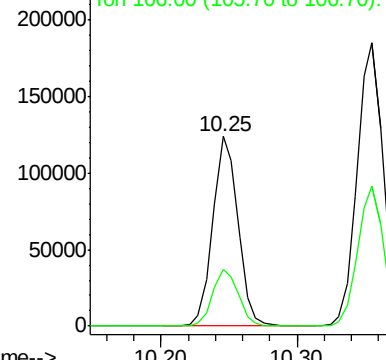
91 100

106 29.9 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.931 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013187.D

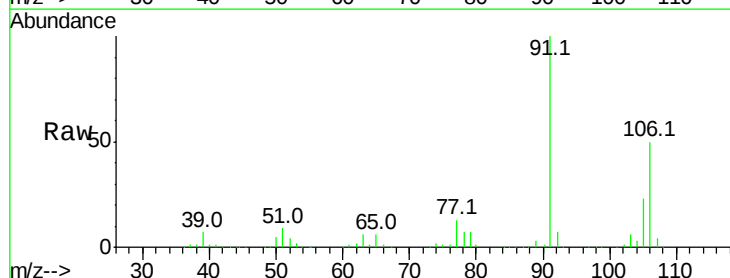
Acq: 23 Oct 2019 13:56

Tgt Ion: 106 Resp: 121854

Ion Ratio Lower Upper

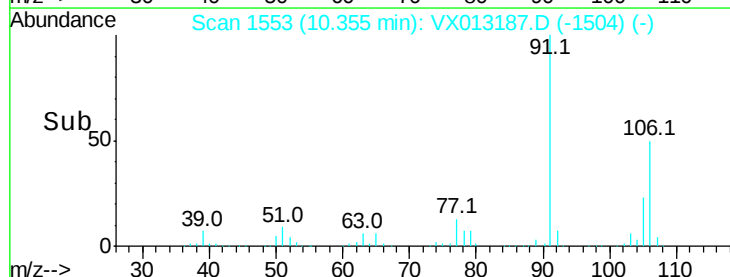
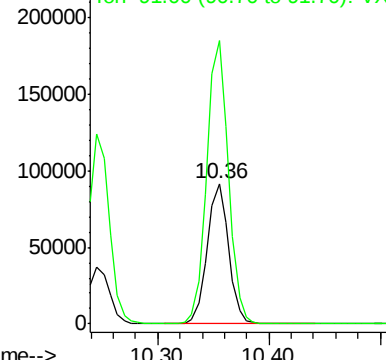
106 100

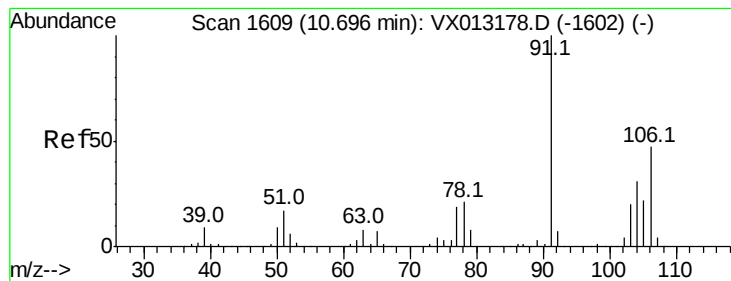
91 203.8 166.3 249.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

o-Xylene

Concen: 17.934 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

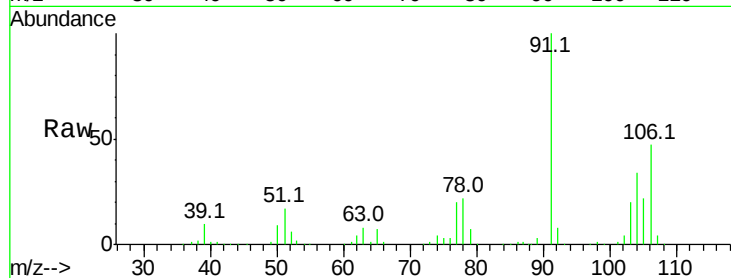
VSTDIC020

Tgt Ion:106 Resp: 57648

Ion Ratio Lower Upper

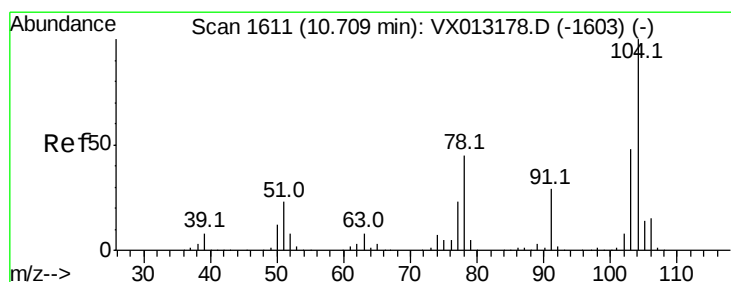
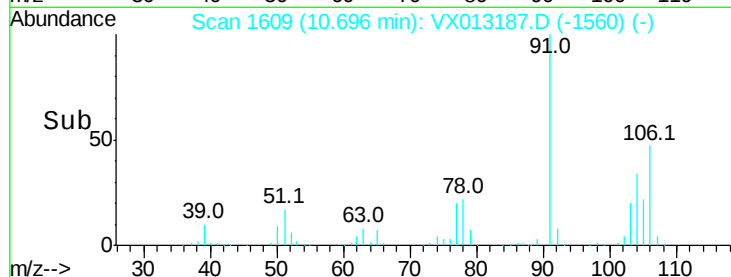
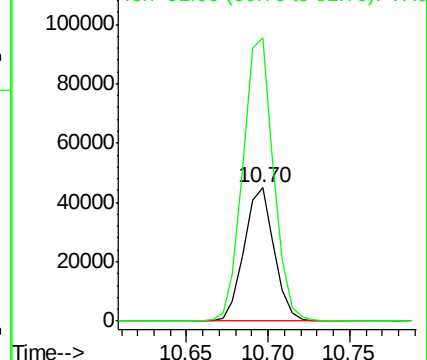
106 100

91 217.0 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 18.294 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

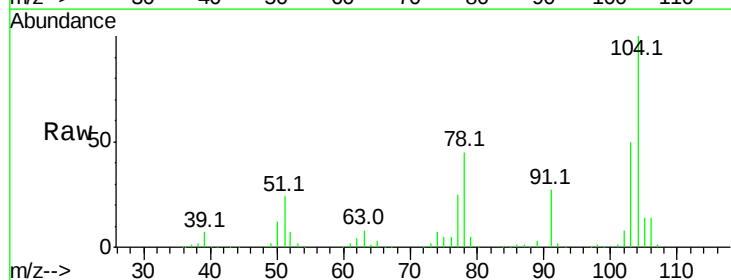
Tgt Ion:104 Resp: 98941

Ion Ratio Lower Upper

104 100

78 52.9 42.2 63.2

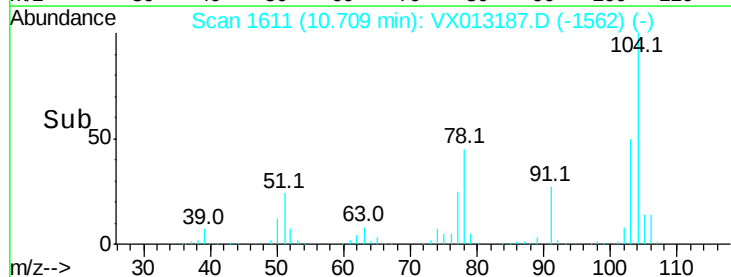
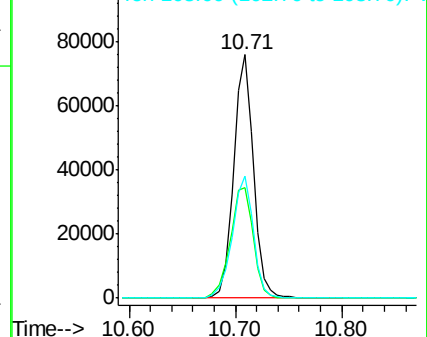
103 53.7 43.0 64.6

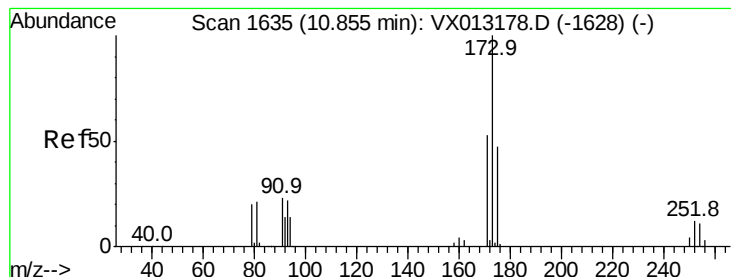


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.933 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

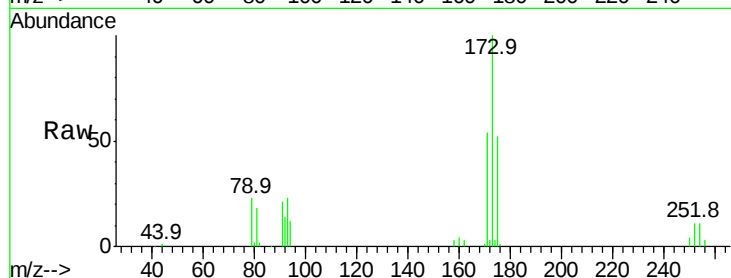
Tgt Ion:173 Resp: 23172

Ion Ratio Lower Upper

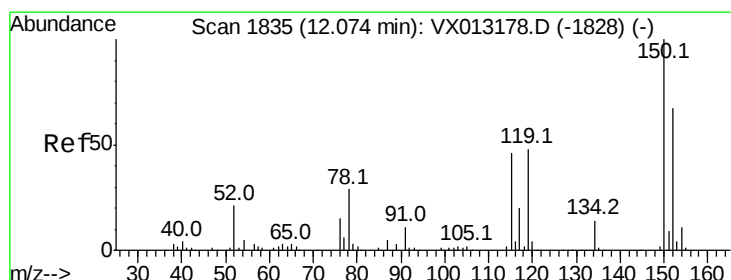
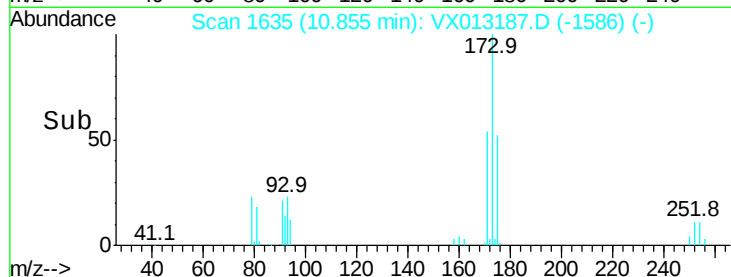
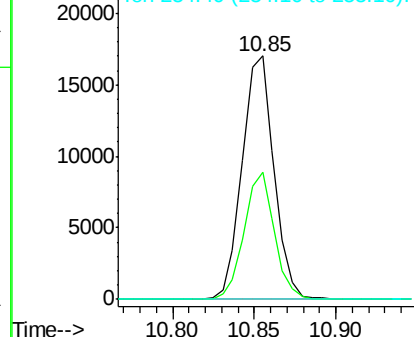
173 100

175 49.4 24.4 73.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

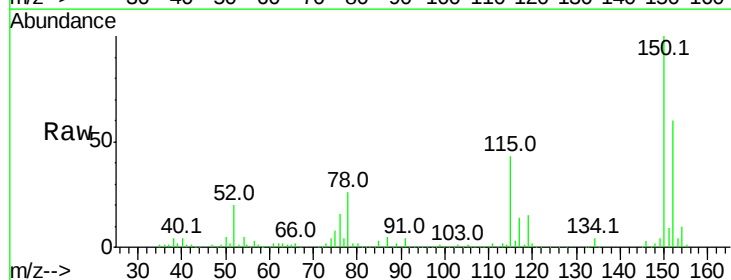
Tgt Ion:152 Resp: 94899

Ion Ratio Lower Upper

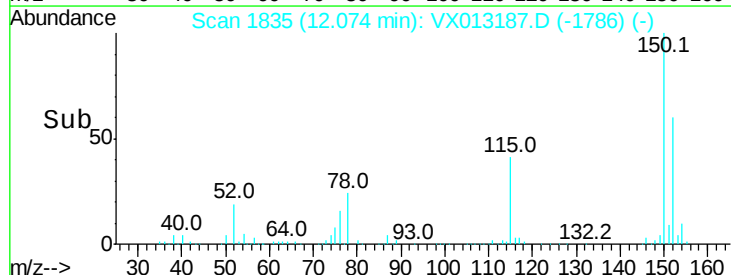
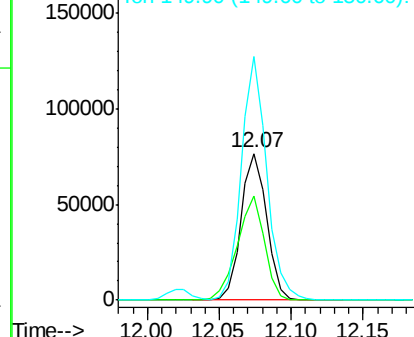
152 100

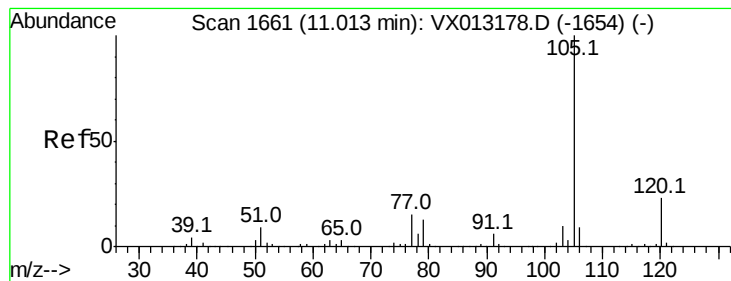
115 75.6 46.3 138.9

150 164.7 0.0 339.4



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: 18.460 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

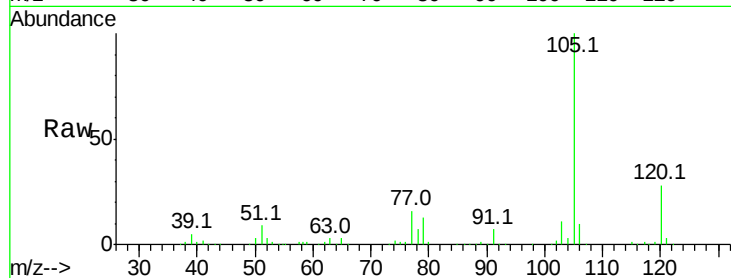
VSTDIC020

Tgt Ion:105 Resp: 156975

Ion Ratio Lower Upper

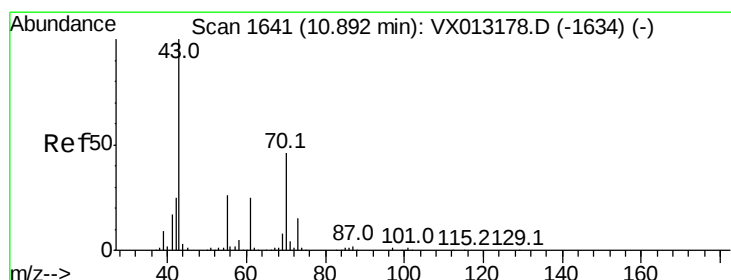
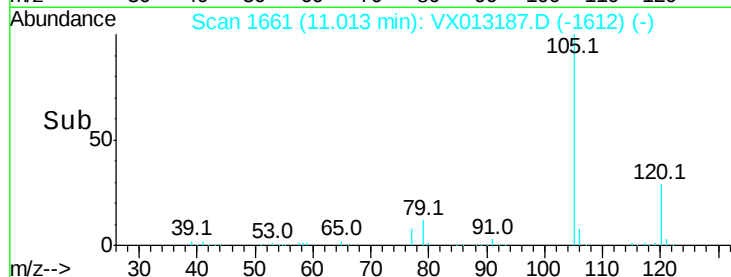
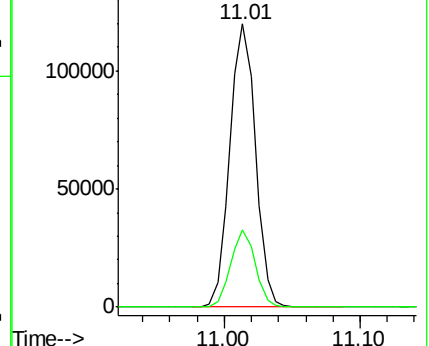
105 100

120 26.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.799 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Tgt Ion: 43 Resp: 56552

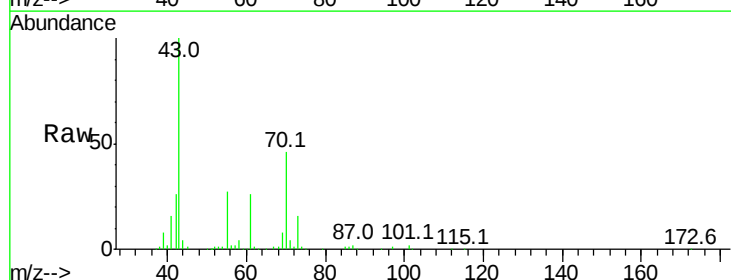
Ion Ratio Lower Upper

43 100

70 46.9 37.8 56.8

55 26.7 20.6 31.0

61 26.2 20.6 31.0

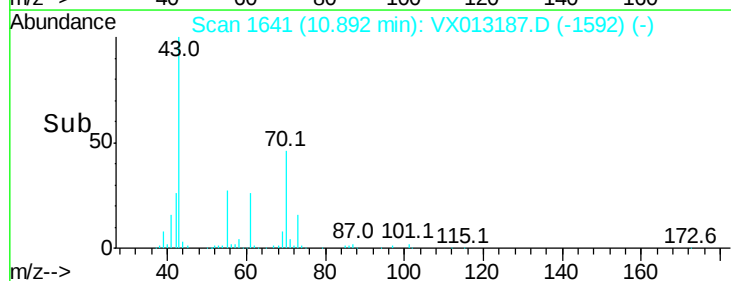
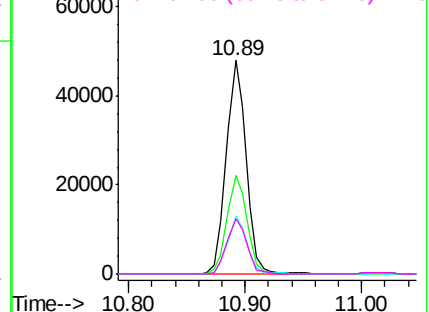


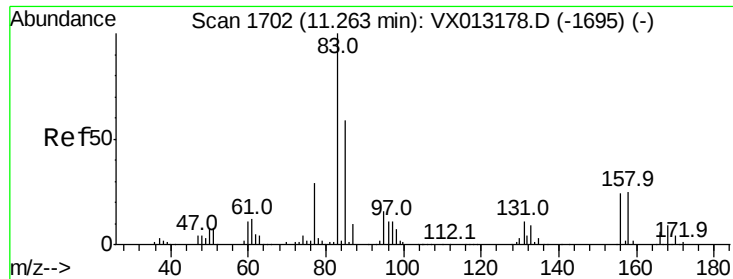
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.740 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

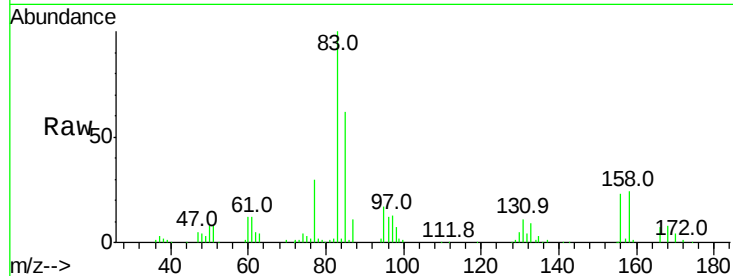
Tgt Ion: 83 Resp: 46714

Ion Ratio Lower Upper

83 100

131 10.6 5.6 16.8

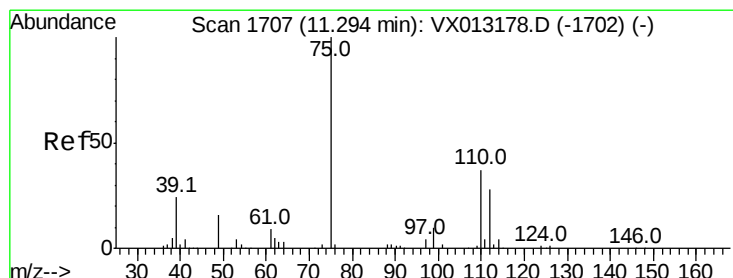
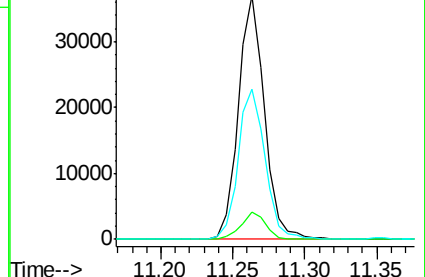
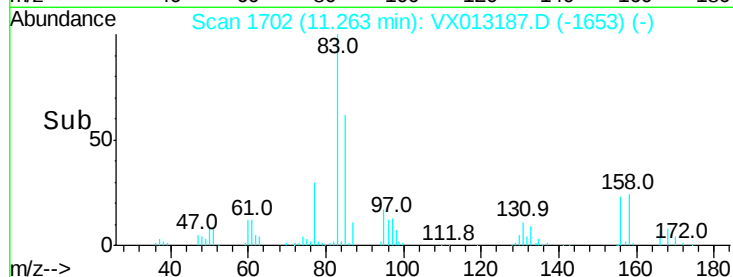
85 63.8 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.781 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013187.D

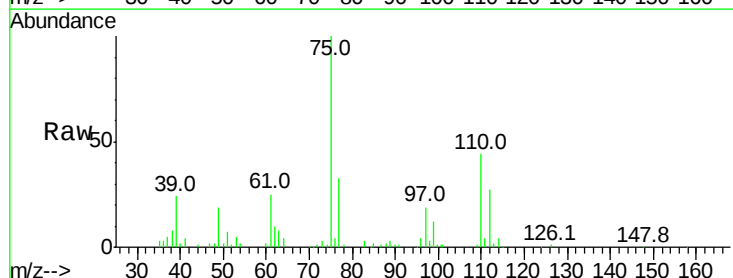
Acq: 23 Oct 2019 13:56

Tgt Ion: 75 Resp: 54447

Ion Ratio Lower Upper

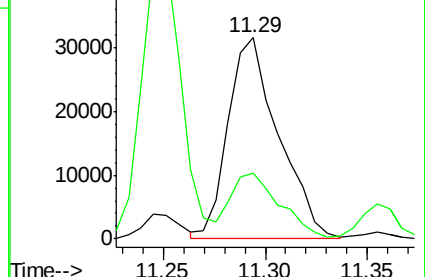
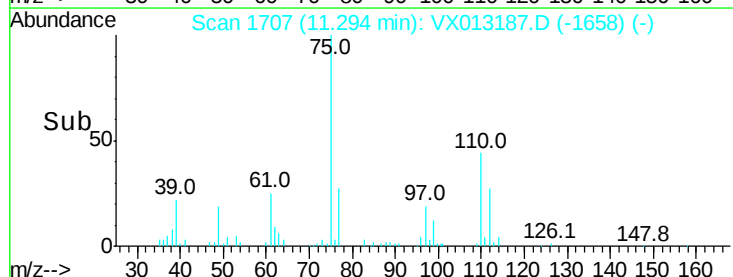
75 100

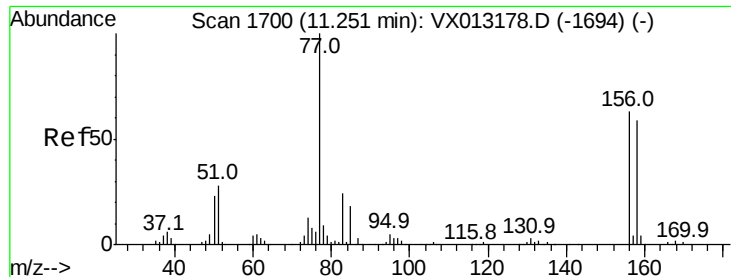
77 31.8 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.358 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

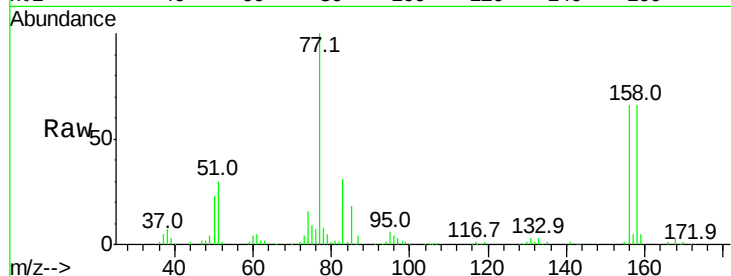
Tgt Ion:156 Resp: 36931

Ion Ratio Lower Upper

156 100

77 162.8 81.5 244.4

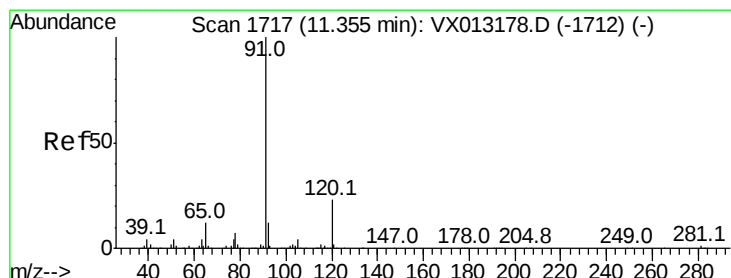
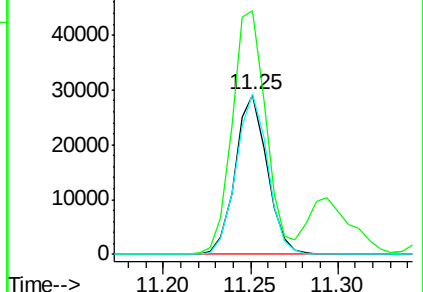
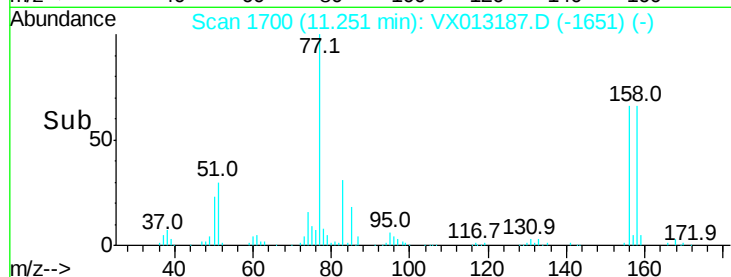
158 99.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.006 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013187.D

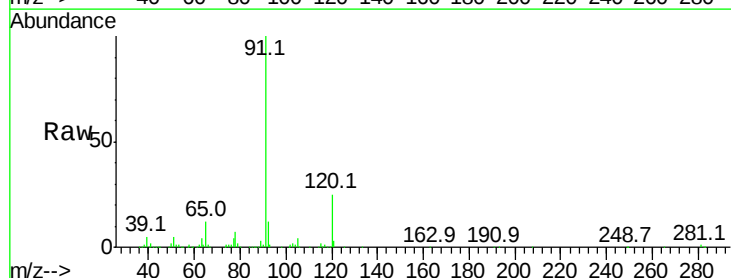
Acq: 23 Oct 2019 13:56

Tgt Ion: 91 Resp: 164064

Ion Ratio Lower Upper

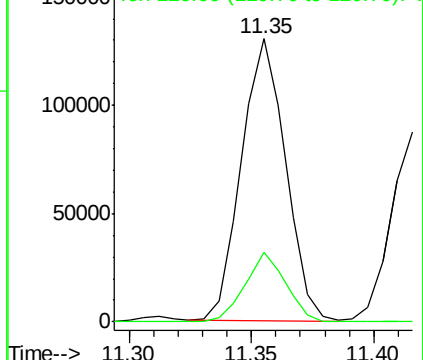
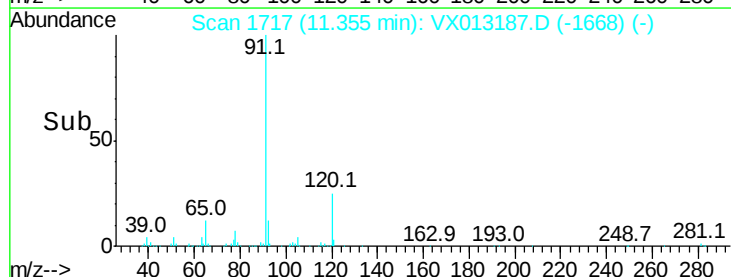
91 100

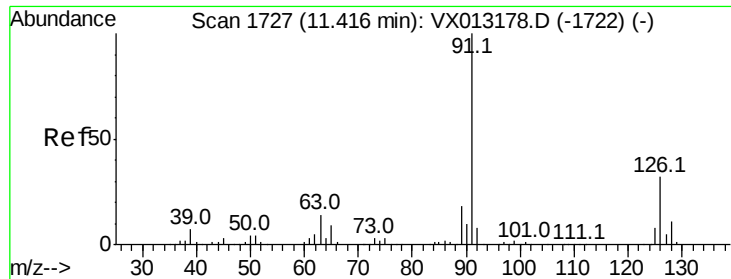
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

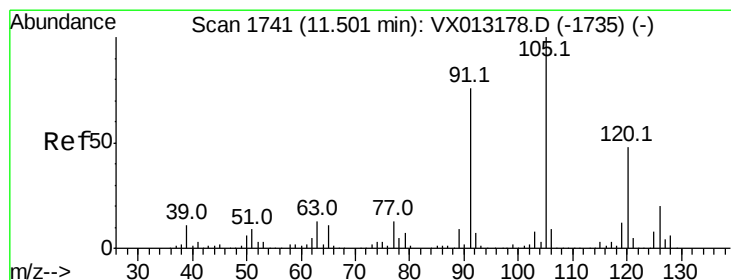
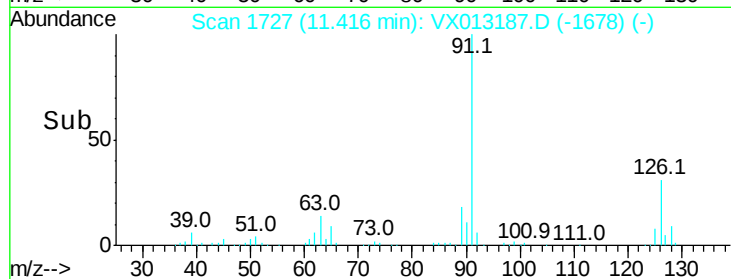
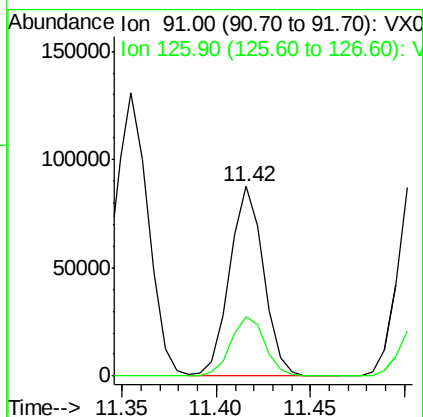
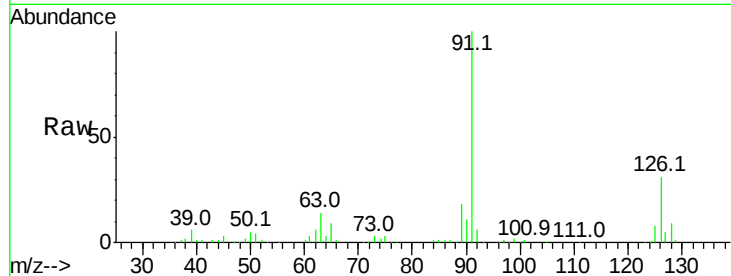




#79
2-Chlorotoluene
Concen: 18.476 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

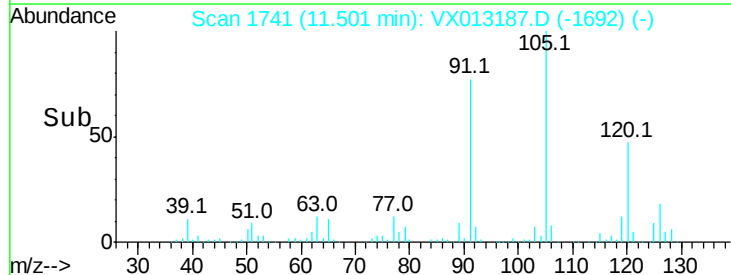
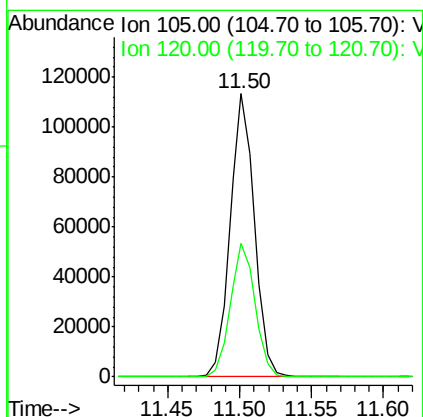
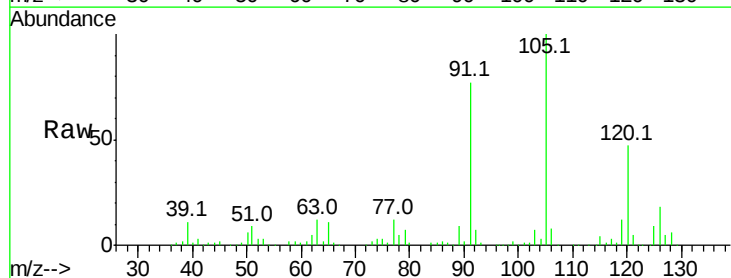
Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

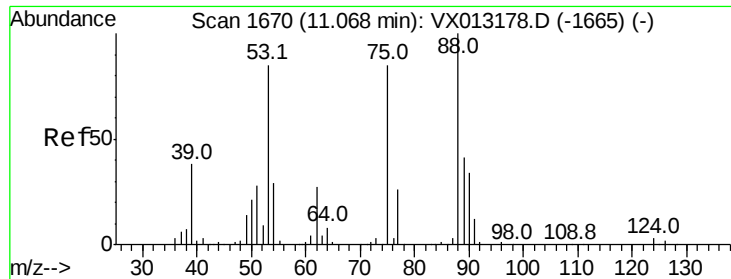
Tgt Ion: 91 Resp: 108327
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 18.819 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Tgt Ion: 105 Resp: 133906
Ion Ratio Lower Upper
105 100
120 48.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.133 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

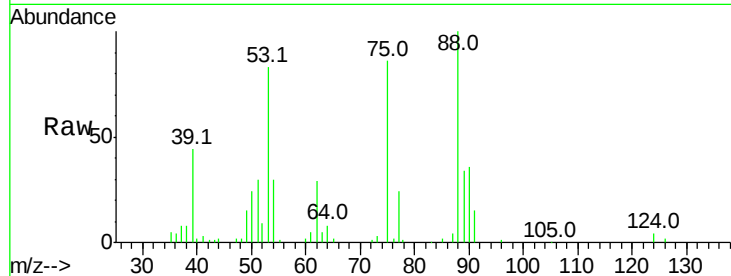
Tgt Ion: 75 Resp: 14721

Ion Ratio Lower Upper

75 100

53 100.8 76.0 114.0

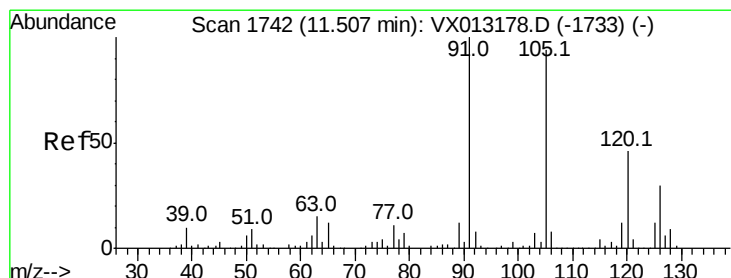
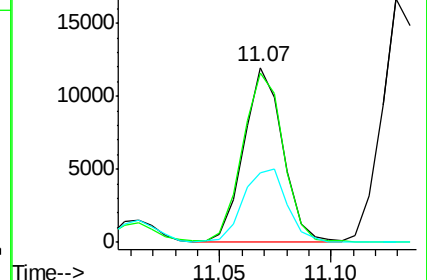
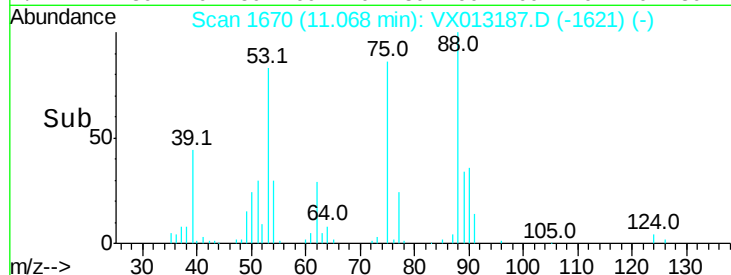
89 45.9 37.7 56.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.460 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013187.D

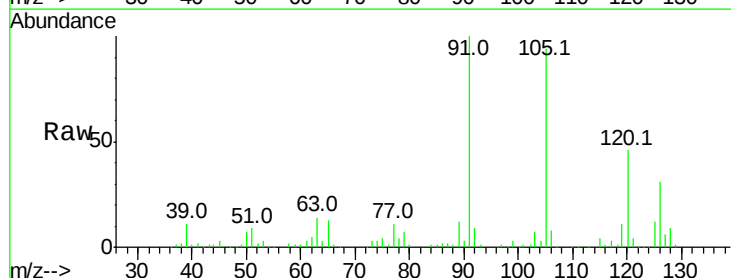
Acq: 23 Oct 2019 13:56

Tgt Ion: 91 Resp: 123379

Ion Ratio Lower Upper

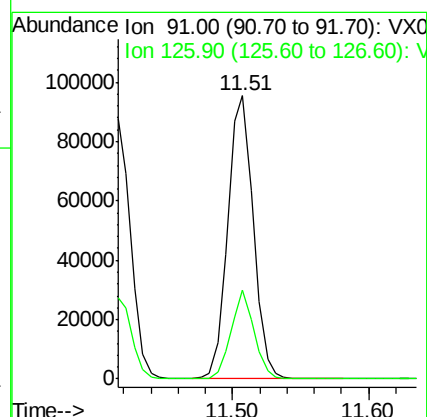
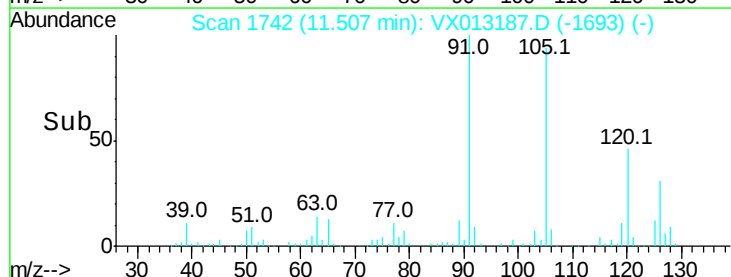
91 100

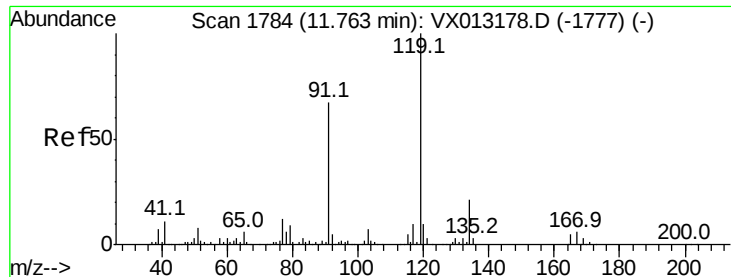
126 28.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

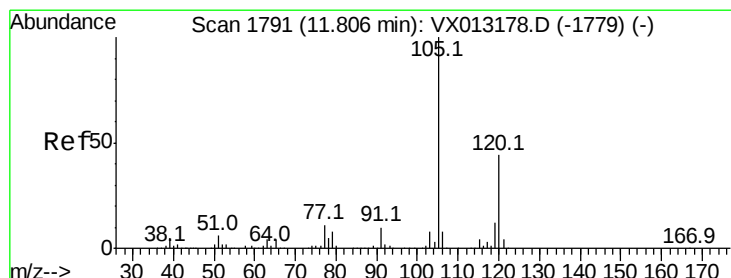
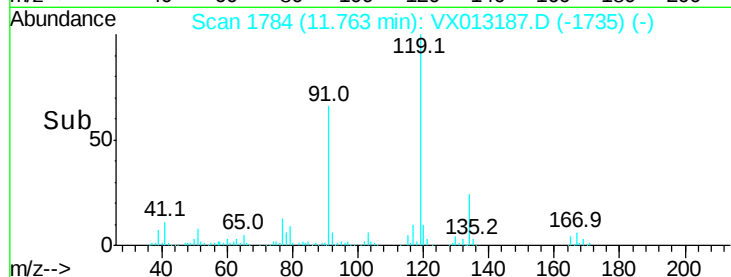
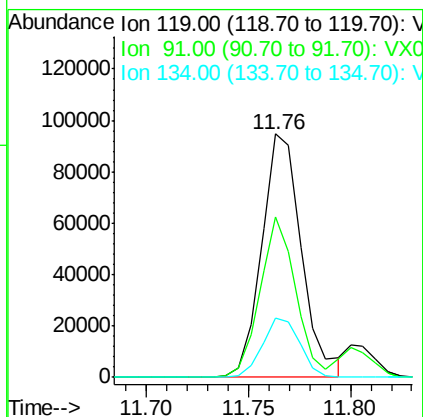
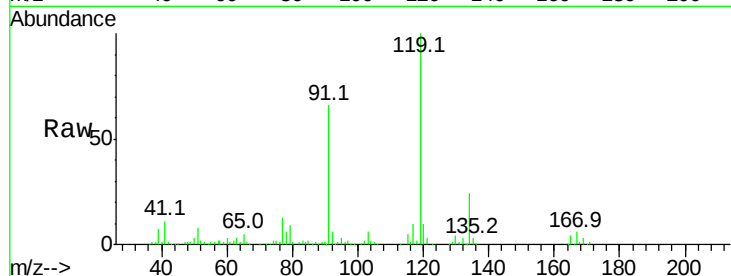




#83
 tert-Butylbenzene
 Concen: 18.544 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

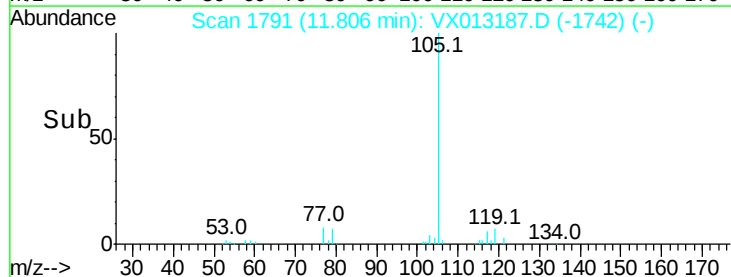
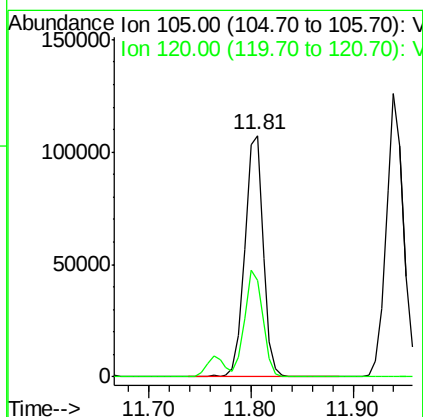
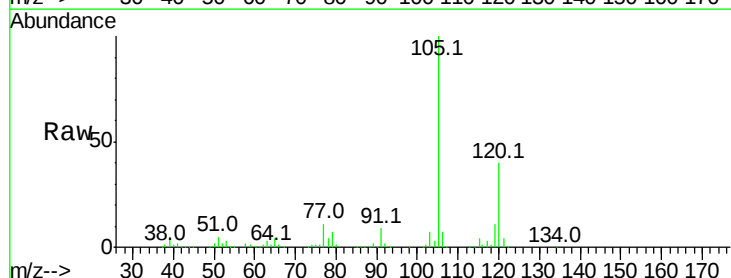
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

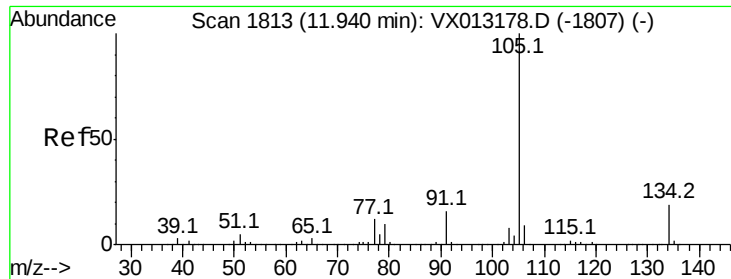
Tgt Ion:119 Resp: 128876
 Ion Ratio Lower Upper
 119 100
 91 59.2 30.4 91.2
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 18.296 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Tgt Ion:105 Resp: 133413
 Ion Ratio Lower Upper
 105 100
 120 43.4 21.6 64.8

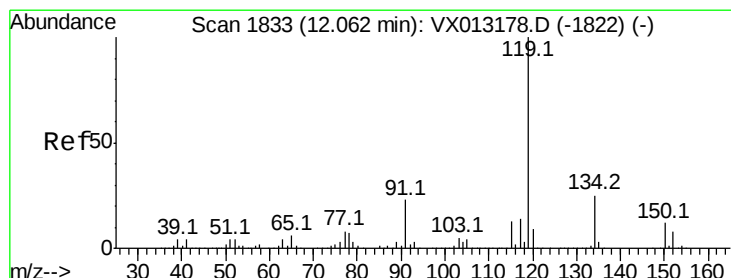
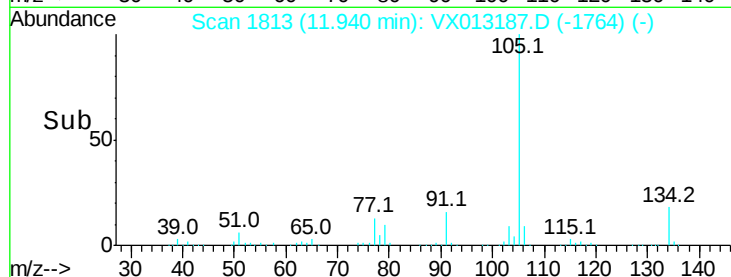
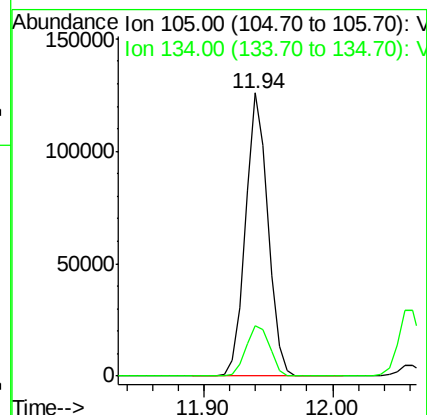
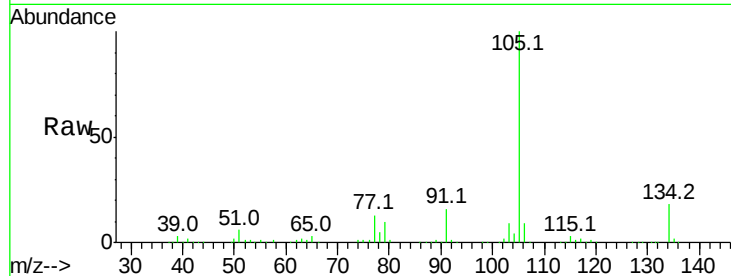




#85
 sec-Butylbenzene
 Concen: 18.771 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

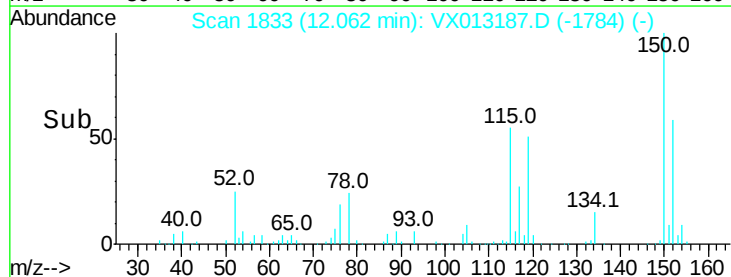
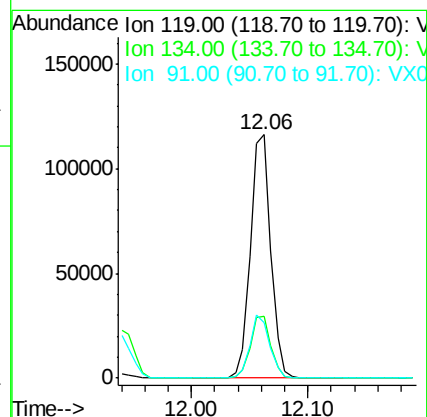
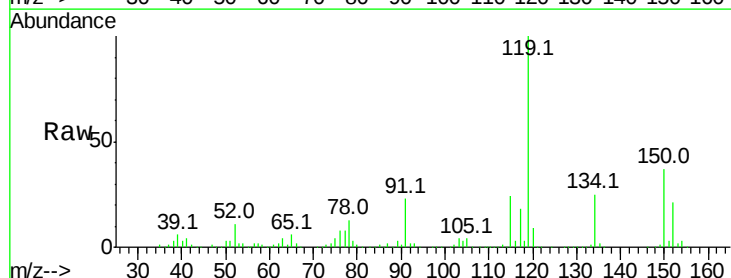
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

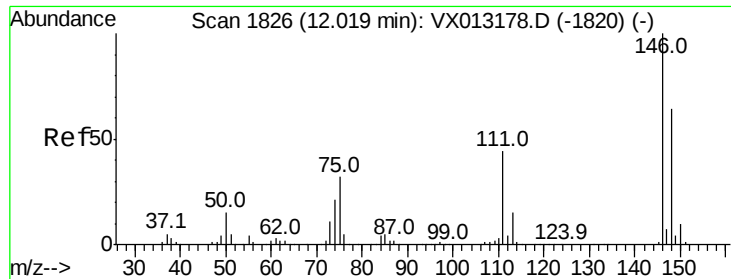
Tgt Ion:105 Resp: 150122
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 18.894 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Tgt Ion:119 Resp: 142043
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.3 36.9
 91 25.2 12.4 37.0

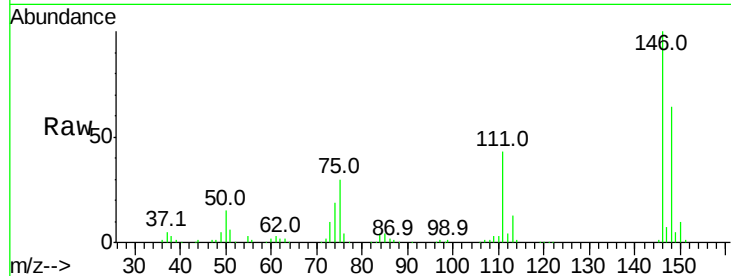




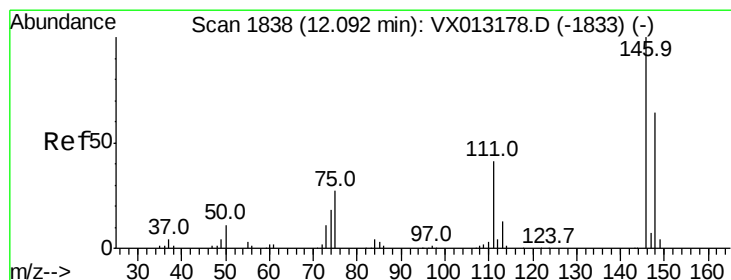
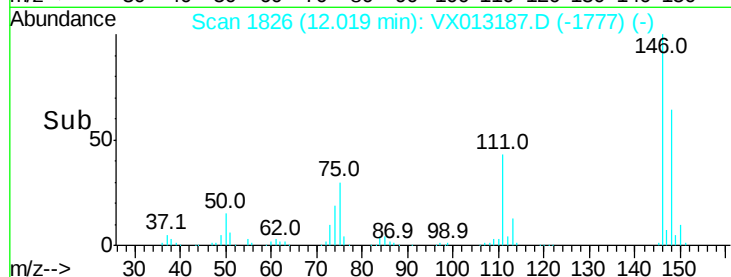
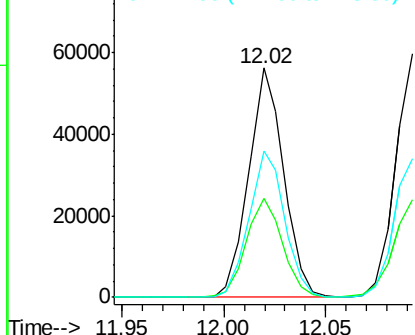
#87
 1,3-Dichlorobenzene
 Concen: 17.965 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 67423
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.6 64.8
 148 64.8 31.6 94.8

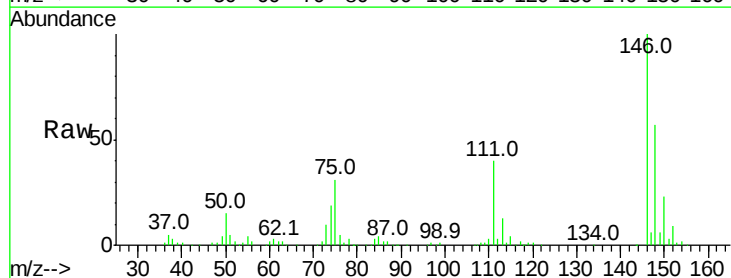


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

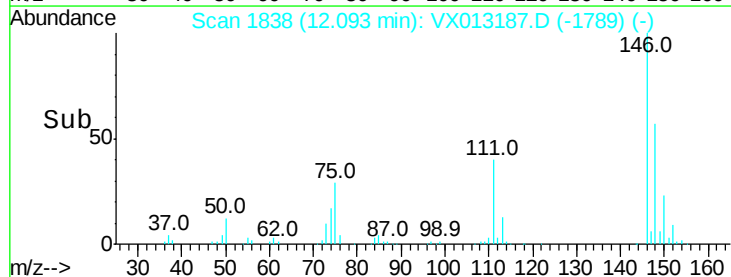
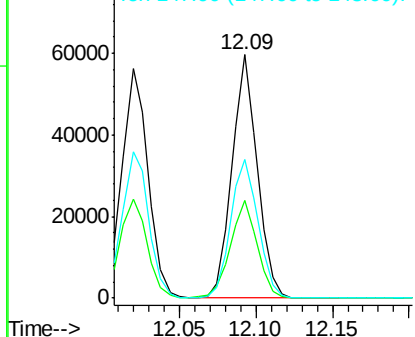


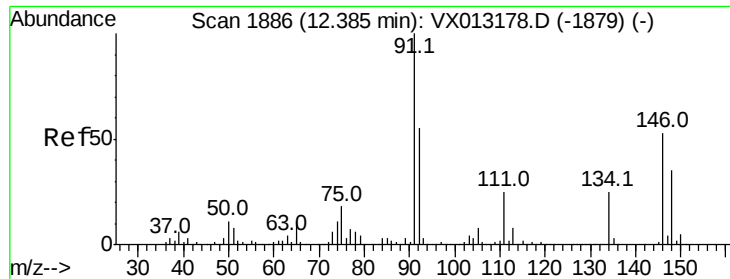
#88
 1,4-Dichlorobenzene
 Concen: 17.919 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Tgt Ion:146 Resp: 68286
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.1 63.1
 148 61.6 32.5 97.5



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





#89

n-Butylbenzene

Concen: 18.456 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013187.D

Acq: 23 Oct 2019 13:56

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

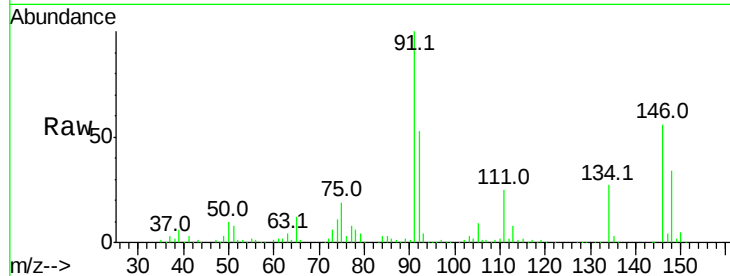
Tgt Ion: 91 Resp: 114706

Ion Ratio Lower Upper

91 100

92 54.7 27.3 81.8

134 26.8 12.9 38.6

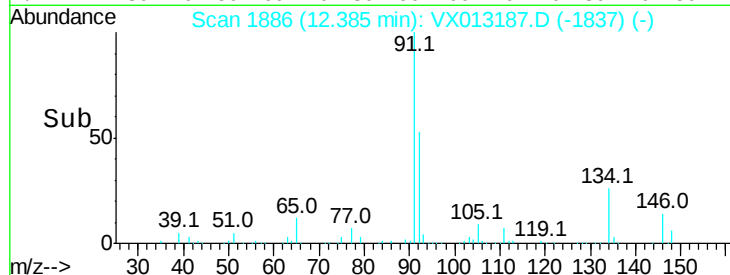


Abundance Ion 91.00 (90.70 to 91.70): VX013187.D (-1879) (-)

Ion 92.00 (91.70 to 92.70): VX013187.D (-1879) (-)

Ion 134.00 (133.70 to 134.70): VX013187.D (-1879) (-)

Time-->

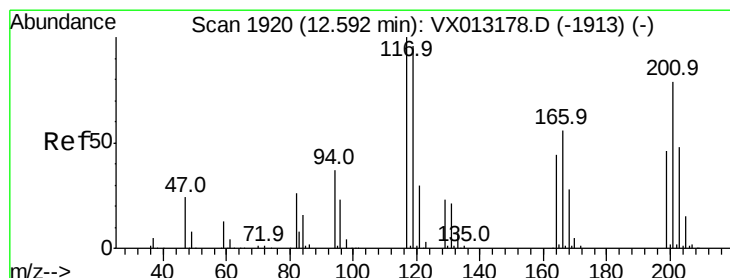


Abundance Ion 91.00 (90.70 to 91.70): VX013187.D (-1837) (-)

Ion 92.00 (91.70 to 92.70): VX013187.D (-1837) (-)

Ion 134.00 (133.70 to 134.70): VX013187.D (-1837) (-)

Time-->



#90

Hexachloroethane

Concen: 17.936 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX013187.D

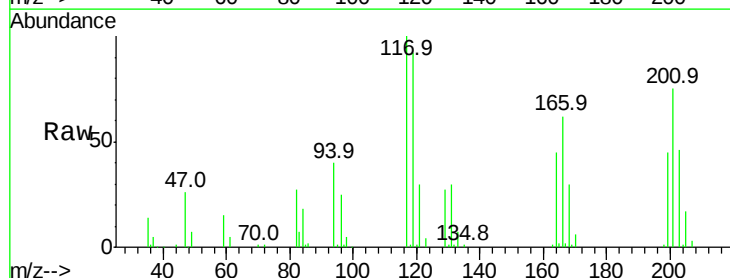
Acq: 23 Oct 2019 13:56

Tgt Ion: 117 Resp: 22949

Ion Ratio Lower Upper

117 100

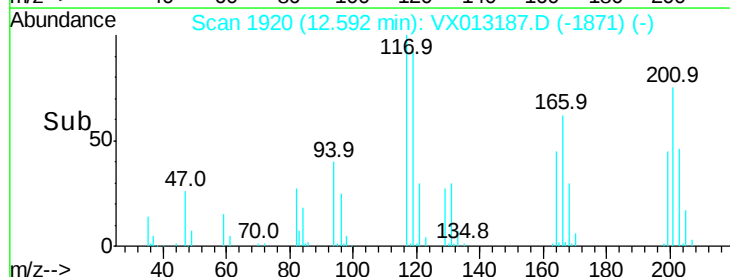
201 76.4 38.5 115.3



Abundance Ion 116.80 (116.50 to 117.50): VX013187.D (-1871) (-)

Ion 200.70 (200.40 to 201.40): VX013187.D (-1871) (-)

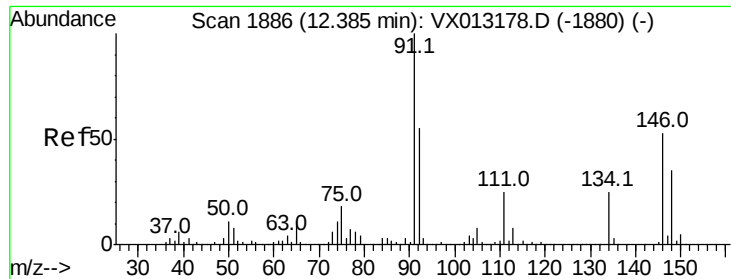
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX013187.D (-1871) (-)

Ion 200.70 (200.40 to 201.40): VX013187.D (-1871) (-)

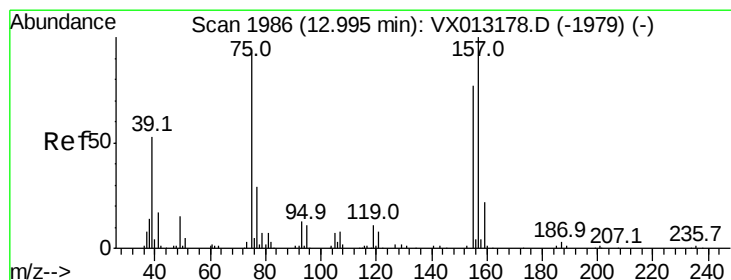
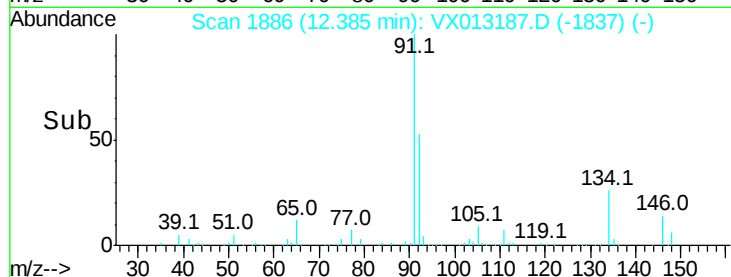
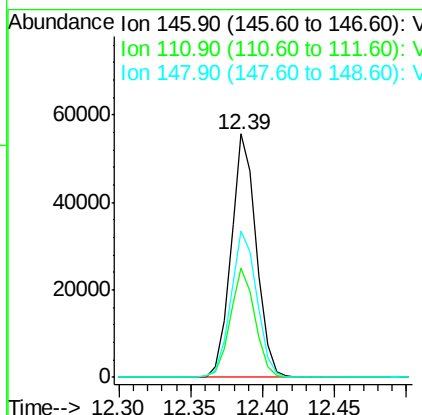
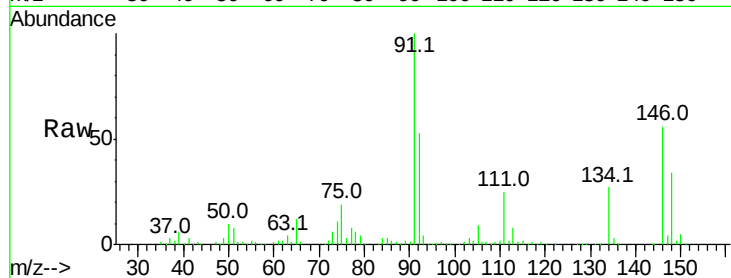
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 18.645 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

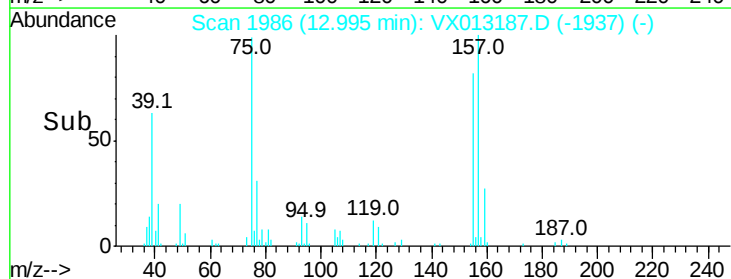
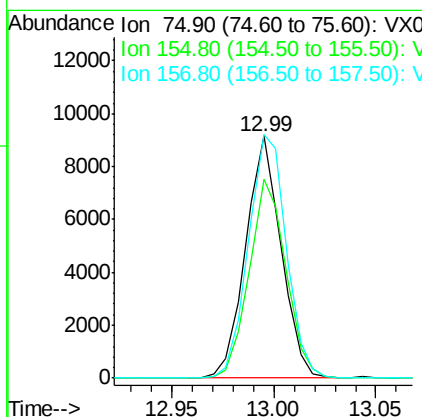
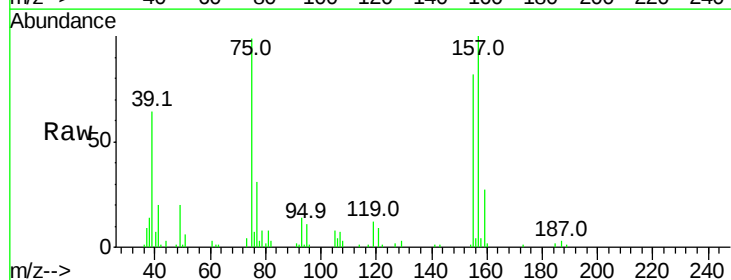
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

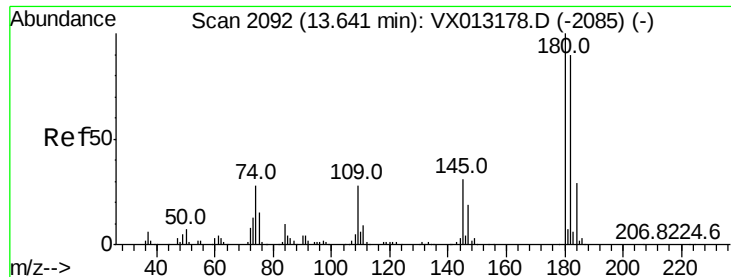
Tgt Ion:146 Resp: 68034
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.4 67.0
 148 62.1 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.329 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Tgt Ion: 75 Resp: 11024
 Ion Ratio Lower Upper
 75 100
 155 85.6 42.4 127.2
 157 108.2 54.4 163.1

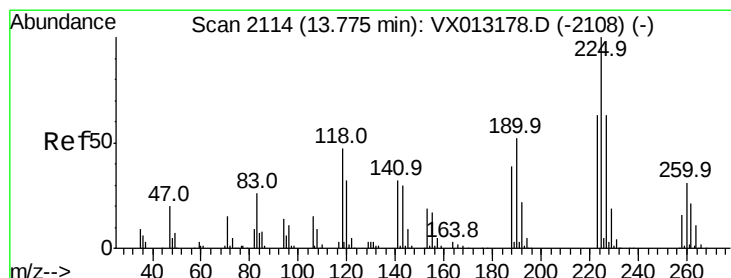
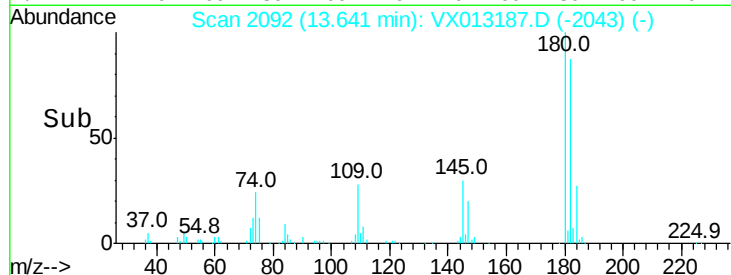
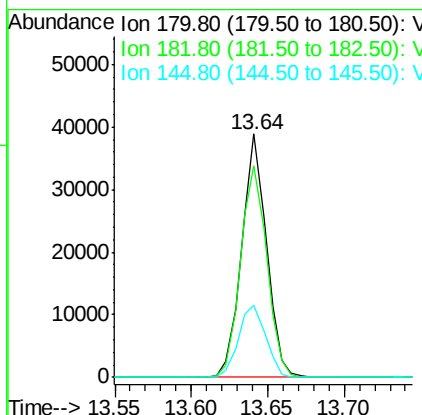
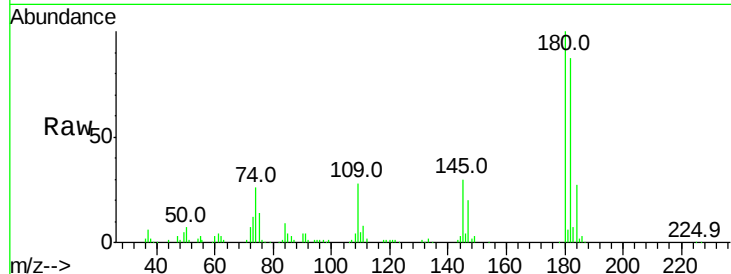




#93
 1,2,4-Trichlorobenzene
 Concen: 18.859 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

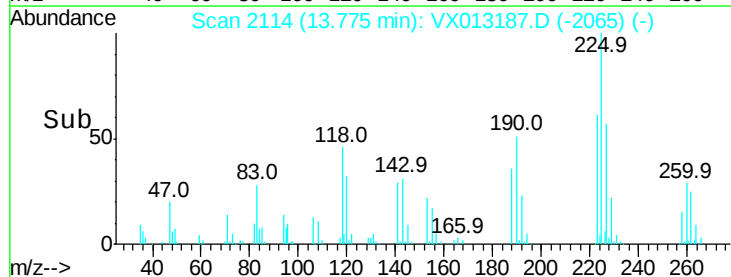
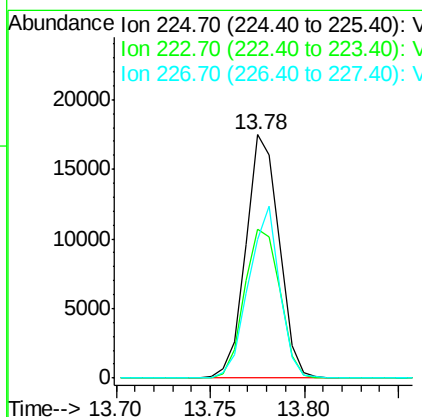
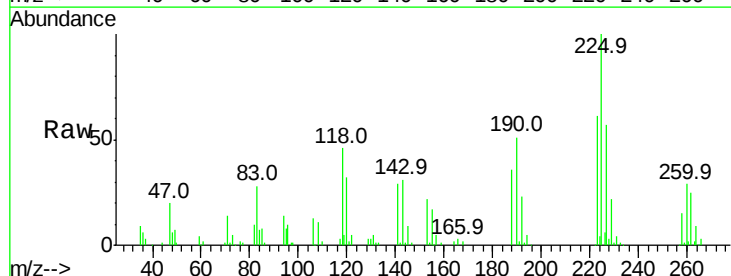
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

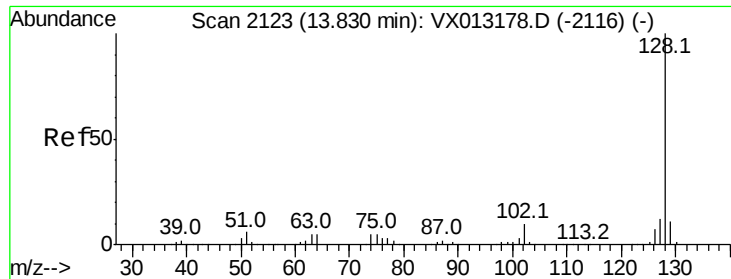
Tgt Ion:180 Resp: 43681
 Ion Ratio Lower Upper
 180 100
 182 92.0 46.3 138.9
 145 32.7 16.4 49.2



#94
 Hexachlorobutadiene
 Concen: 18.205 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013187.D
 Acq: 23 Oct 2019 13:56

Tgt Ion:225 Resp: 21379
 Ion Ratio Lower Upper
 225 100
 223 65.4 32.0 96.2
 227 65.6 33.0 98.9

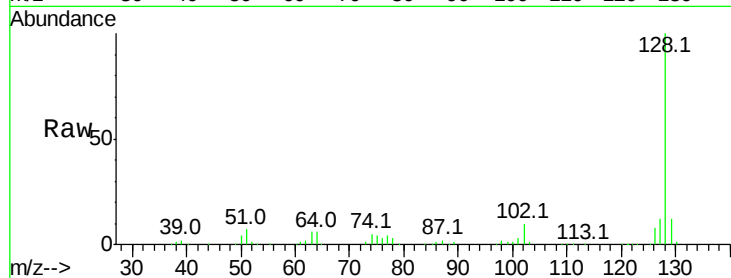




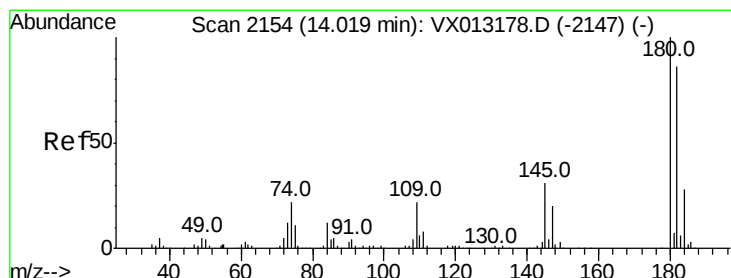
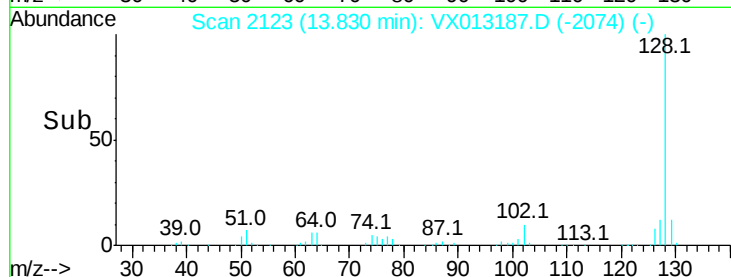
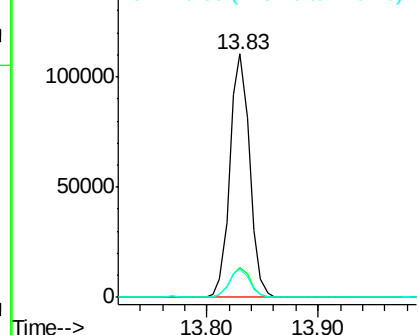
#95
Naphthalene
Concen: 18.666 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 135147
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 11.9 8.7 13.1

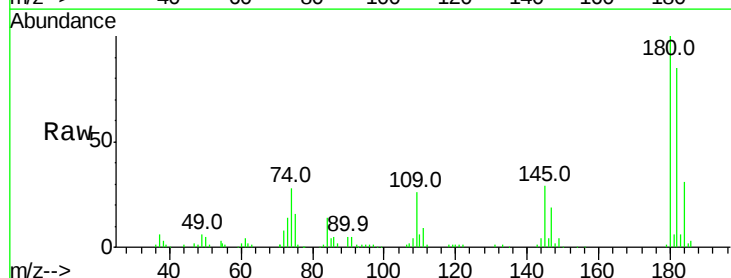


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.876 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX013187.D
Acq: 23 Oct 2019 13:56

Tgt Ion:180 Resp: 43908
Ion Ratio Lower Upper
180 100
182 91.2 48.1 144.4
145 33.2 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

