

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011940.D
 Acq On : 31 Aug 2019 07:27
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 31 10:59:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	272808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	397027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	377316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	225796	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	146300	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	5.48	113	134306	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	8.71	98	475967	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.14	95	199597	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	77205	46.890	ug/l	100
3) Chloromethane	1.31	50	92585	48.506	ug/l	100
4) Vinyl Chloride	1.39	62	89046	48.855	ug/l	98
5) Bromomethane	1.62	94	70404	55.827	ug/l	100
6) Chloroethane	1.71	64	60124	53.003	ug/l	97
7) Trichlorofluoromethane	1.92	101	158989	50.227	ug/l	100
8) Diethyl Ether	2.17	74	60562	55.672	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	101948	49.417	ug/l	98
10) Methyl Iodide	2.50	142	90209	40.782	ug/l	99
11) Tert butyl alcohol	3.03	59	81773	325.190	ug/l	99
12) 1,1-Dichloroethene	2.36	96	99225	51.786	ug/l	99
13) Acrolein	2.28	56	24390	194.874	ug/l	98
14) Allyl chloride	2.72	41	187302	52.112	ug/l	100
15) Acrylonitrile	3.12	53	192057	321.415	ug/l	98
16) Acetone	2.43	43	162241	288.493	ug/l	99
17) Carbon Disulfide	2.56	76	276953	50.393	ug/l	100
18) Methyl Acetate	2.76	43	114698	73.678	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	365217	58.836	ug/l	99
20) Methylene Chloride	2.84	84	135080	56.978	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	121816	53.972	ug/l	98
22) Diisopropyl ether	3.84	45	411268	56.050	ug/l	96
23) Vinyl Acetate	3.80	43	1301163	275.815	ug/l	100
24) 1,1-Dichloroethane	3.68	63	224190	55.406	ug/l	99
25) 2-Butanone	4.65	43	262824	320.879	ug/l	99
26) 2,2-Dichloropropane	4.57	77	144117	42.466	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	150291	56.531	ug/l	97
28) Bromochloromethane	5.00	49	106908	58.882	ug/l	98
29) Tetrahydrofuran	5.11	42	168159	328.925	ug/l	99
30) Chloroform	5.20	83	241796	55.888	ug/l	96
31) Cyclohexane	5.56	56	154639	47.382	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	210963	54.893	ug/l	99
36) 1,1-Dichloropropene	5.79	75	157565	50.094	ug/l	99
37) Ethyl Acetate	4.82	43	115309	61.931	ug/l	99
38) Carbon Tetrachloride	5.77	117	188175	51.584	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	172164	45.953	ug/l	99
40) Benzene	6.13	78	498867	53.134	ug/l	100
41) Methacrylonitrile	5.03	41	67903	61.940	ug/l	99
42) 1,2-Dichloroethane	6.18	62	182041	57.015	ug/l	99
43) Isopropyl Acetate	6.43	43	226175	59.916	ug/l	99
44) Trichloroethene	7.20	130	155732	53.609	ug/l	100
45) 1,2-Dichloropropane	7.51	63	133564	54.385	ug/l	99
46) Dibromomethane	7.65	93	83311	57.159	ug/l	99
47) Bromodichloromethane	7.89	83	200757	55.546	ug/l	100
48) Methyl methacrylate	7.76	41	112666	61.341	ug/l	99
49) 1,4-Dioxane	7.73	88	33800	1338.229	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	600019	312.888	ug/l	100
52) Toluene	8.78	92	335129	53.954	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	191603	51.754	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	212419	51.113	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	120686	56.560	ug/l	99
56) Ethyl methacrylate	9.17	69	171211	57.814	ug/l	99
57) 1,3-Dichloropropane	9.37	76	203782	57.539	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	404181	286.550	ug/l	98
59) 2-Hexanone	9.48	43	422701	310.308	ug/l	99
60) Dibromochloromethane	9.57	129	164048	57.242	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124544	58.871	ug/l	100
64) Tetrachloroethene	9.33	164	184674	60.846	ug/l	98
65) Chlorobenzene	10.14	112	396338	54.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	161994	54.787	ug/l	100
67) Ethyl Benzene	10.25	91	658524	52.947	ug/l	98
68) m/p-Xylenes	10.35	106	509673	106.125	ug/l	100
69) o-Xylene	10.70	106	250458	53.517	ug/l	99
70) Styrene	10.71	104	450993	54.674	ug/l	100
71) Bromoform	10.85	173	124516	59.555	ug/l #	100
73) Isopropylbenzene	11.01	105	671556	51.763	ug/l	100
74) N-amyl acetate	10.89	43	206295	53.581	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	151712	57.138	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	160486	72.253	ug/l	84
77) Bromobenzene	11.25	156	203401	54.057	ug/l	99
78) n-propylbenzene	11.35	91	760374	51.685	ug/l	100
79) 2-Chlorotoluene	11.42	91	462443	52.222	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	581335	51.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	42601	48.182	ug/l	100
82) 4-Chlorotoluene	11.51	91	559509	52.374	ug/l	99
83) tert-Butylbenzene	11.76	119	582625	51.274	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	600940	52.363	ug/l	99
85) sec-Butylbenzene	11.94	105	679846	51.511	ug/l	99
86) p-Isopropyltoluene	12.06	119	659815	51.557	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	370223	52.942	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	373197	52.790	ug/l	99
89) n-Butylbenzene	12.39	91	570174	50.358	ug/l	100
90) Hexachloroethane	12.59	117	130711	52.794	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	352431	54.207	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	31667	59.873	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	291606	53.266	ug/l	100
94) Hexachlorobutadiene	13.78	225	189983	51.965	ug/l	99
95) Naphthalene	13.83	128	550825	58.627	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	271426	54.828	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

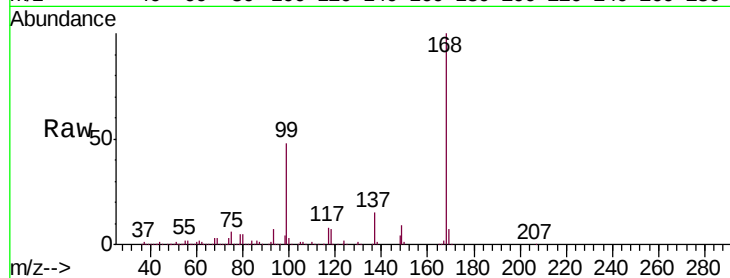
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 272808

Ion Ratio Lower Upper

168 100

99 47.8 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

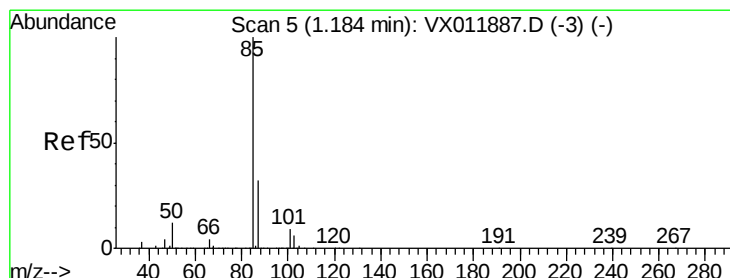
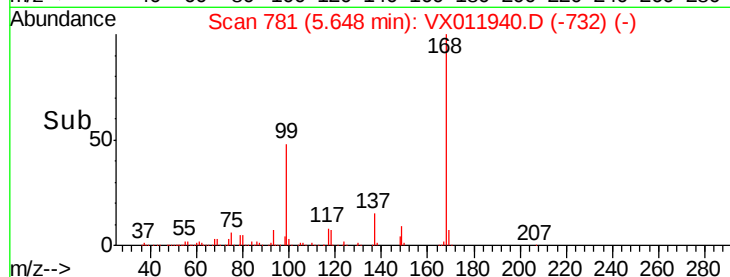
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.890 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011940.D

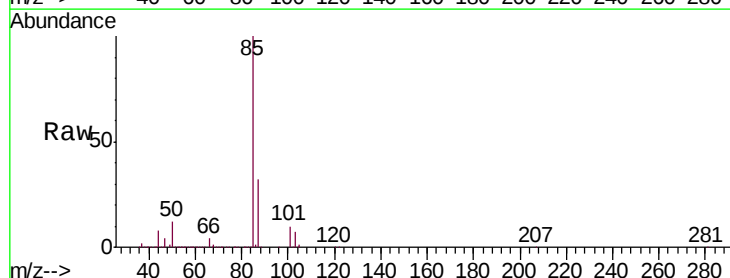
Acq: 31 Aug 2019 07:27

Tgt Ion: 85 Resp: 77205

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

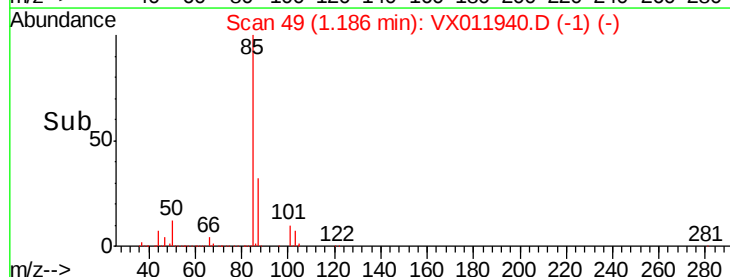
60000

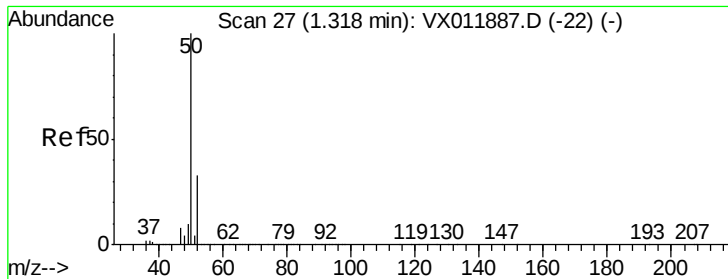
40000

20000

0

Time-->





#3

Chloromethane

Concen: 48.506 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

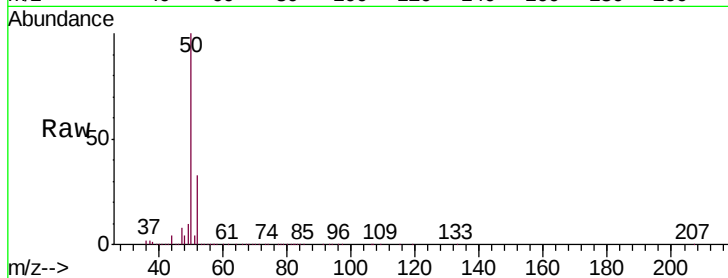
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 50 Resp: 92585

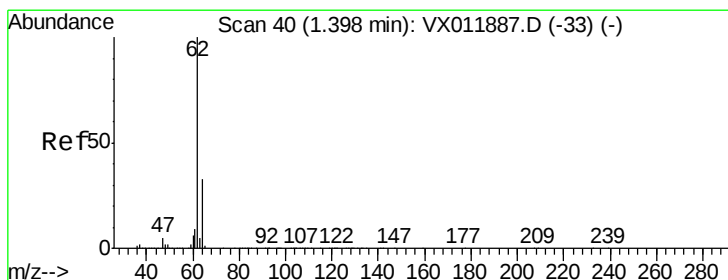
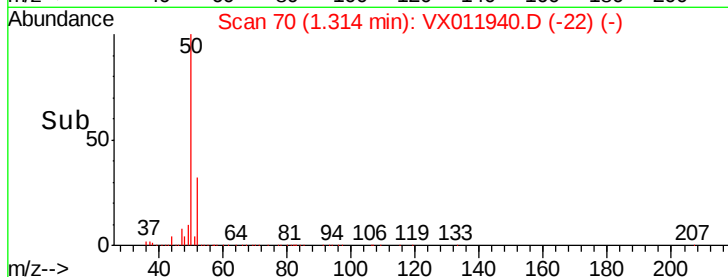
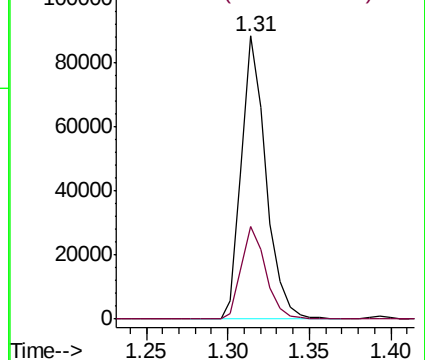
Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.855 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011940.D

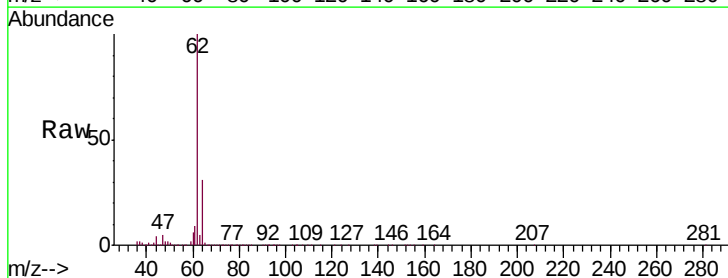
Acq: 31 Aug 2019 07:27

Tgt Ion: 62 Resp: 89046

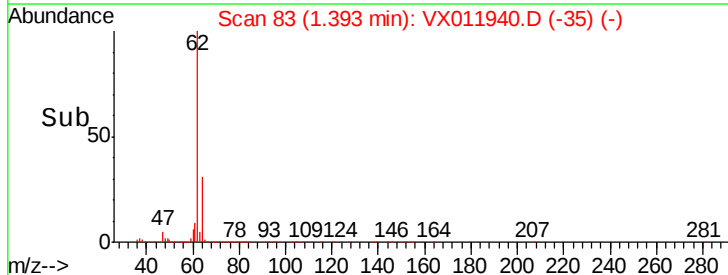
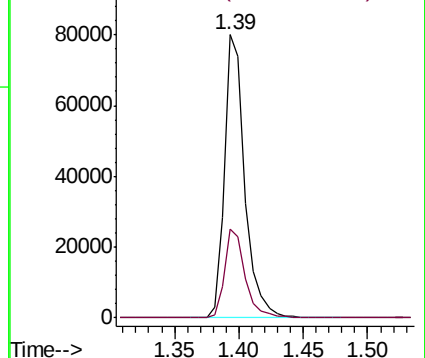
Ion Ratio Lower Upper

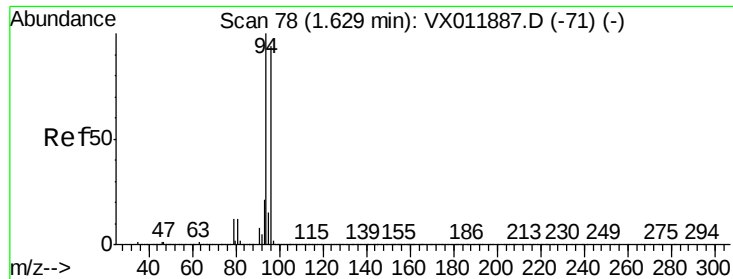
62 100

64 31.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 55.827 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

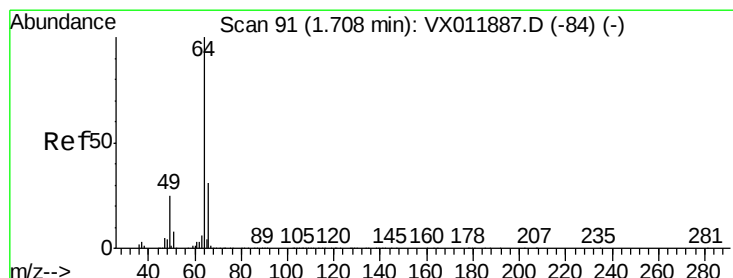
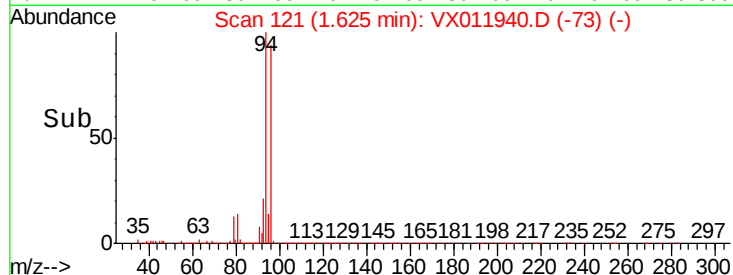
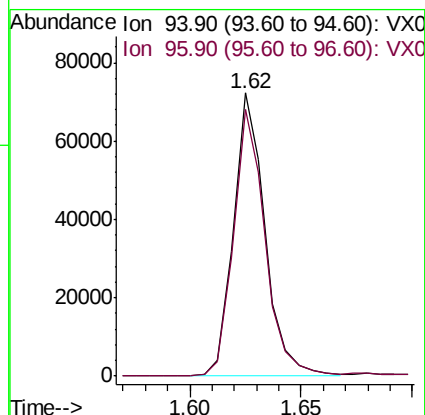
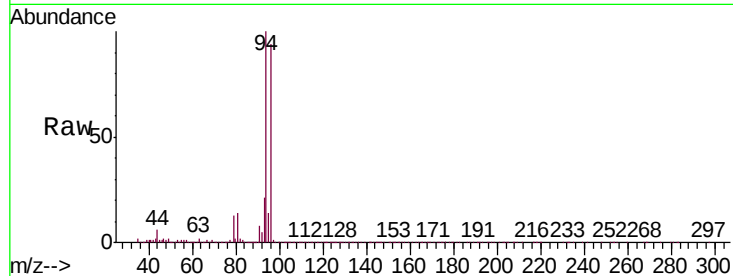
ClientSampleId :

Tot Ion: 94 Resp: 70404

Ion Ratio Lower Upper

94 100

96 94.3 75.0 112.6



#6

Chloroethane

Concen: 53.003 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011940.D

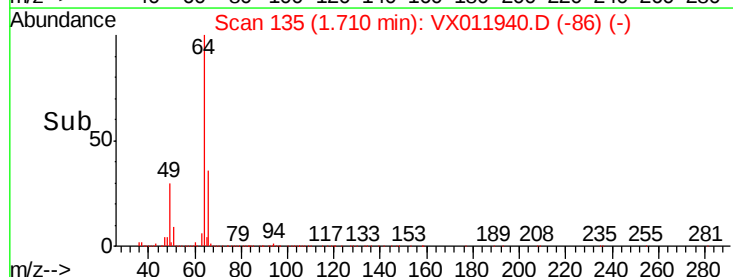
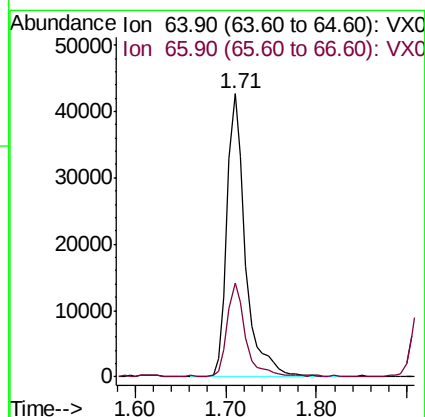
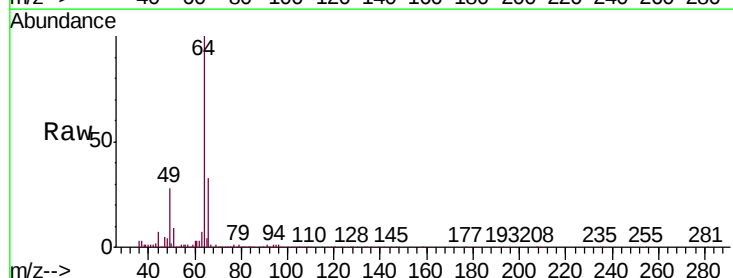
Acq: 31 Aug 2019 07:27

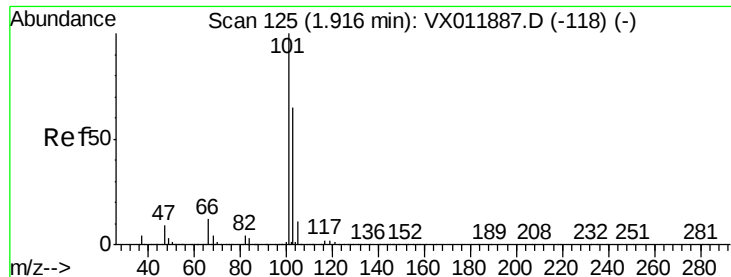
Tgt Ion: 64 Resp: 60124

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4



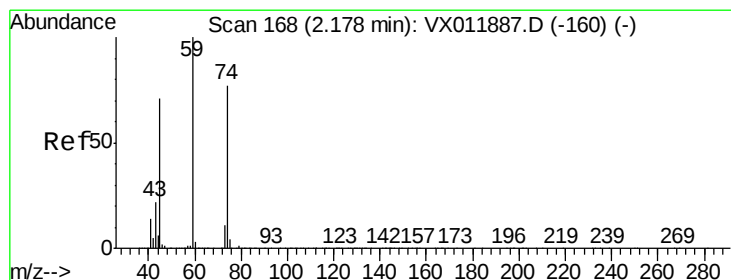
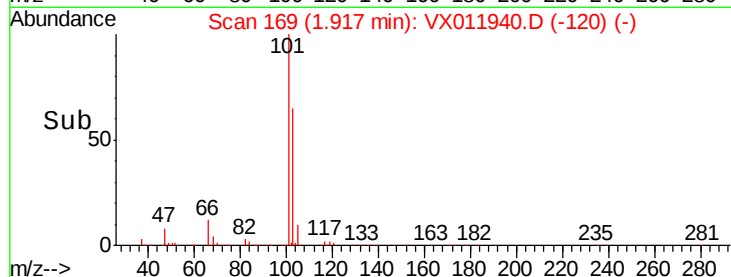
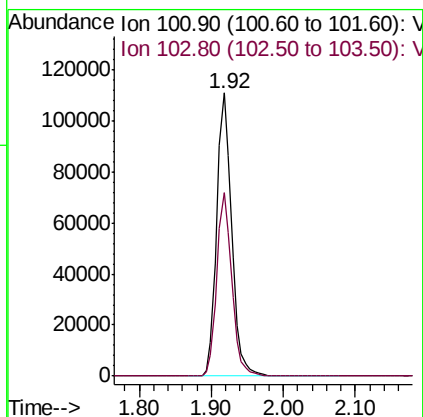
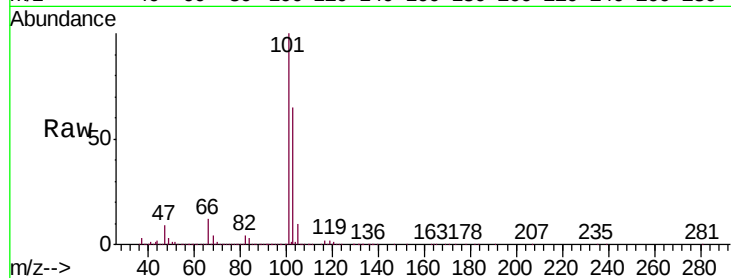


#7

Trichlorofluoromethane
Concen: 50.227 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
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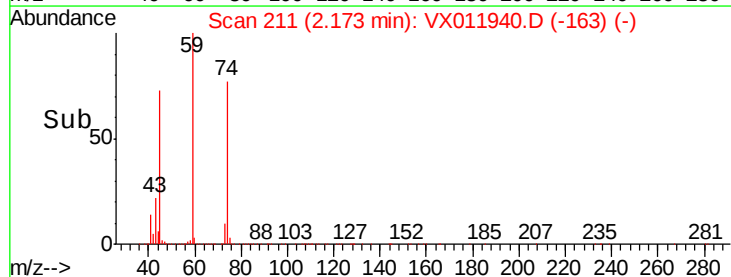
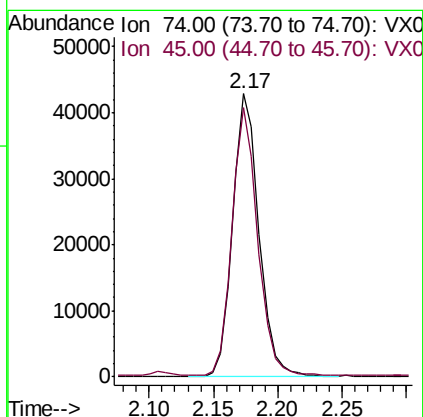
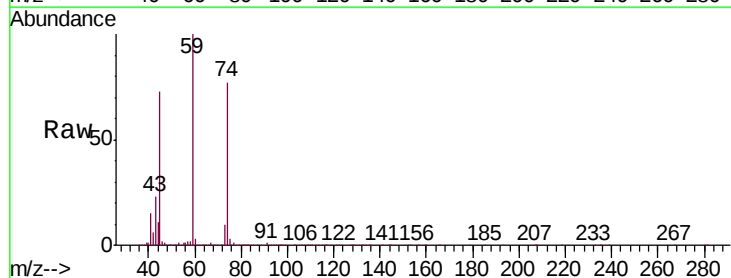
Tot Ion:101 Resp: 158989
Ion Ratio Lower Upper
101 100
103 64.6 51.6 77.4

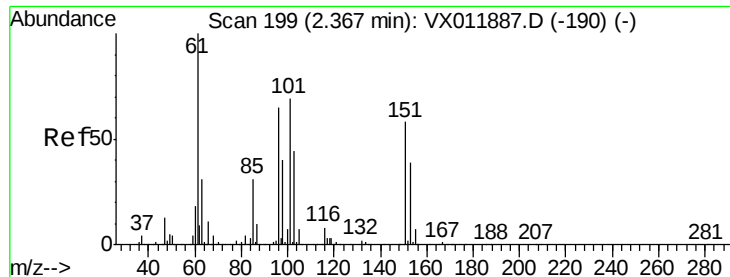


#8

Diethyl Ether
Concen: 55.672 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 74 Resp: 60562
Ion Ratio Lower Upper
74 100
45 92.9 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.417 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

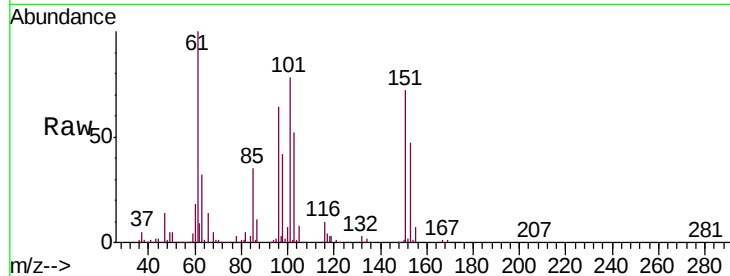
Tot Ion:101 Resp: 101948

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

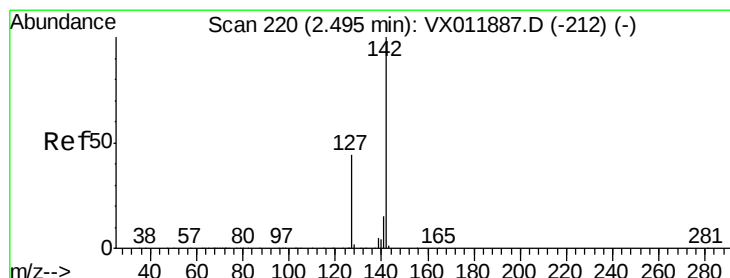
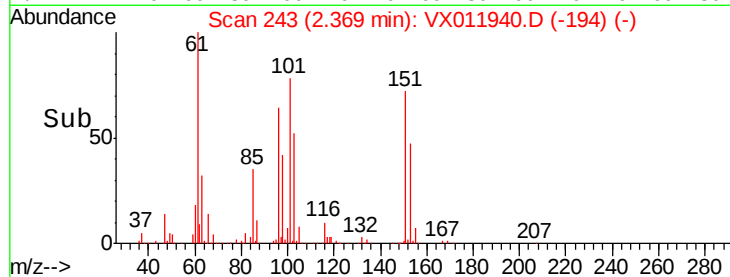
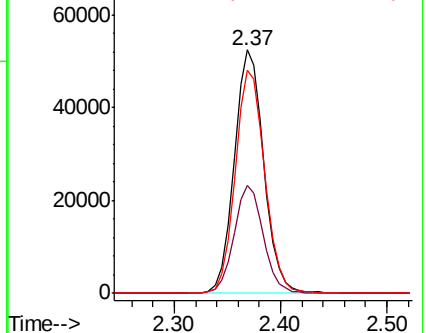
151 92.0 70.9 106.3



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: 40.782 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

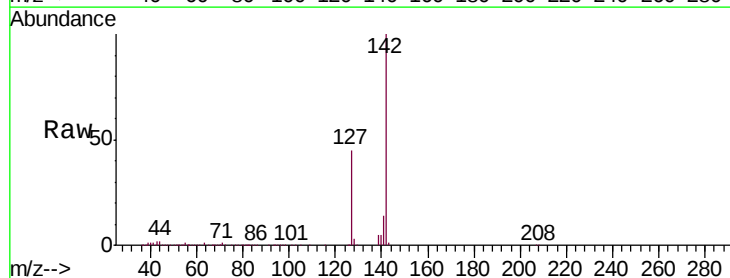
Tgt Ion:142 Resp: 90209

Ion Ratio Lower Upper

142 100

127 44.2 35.7 53.5

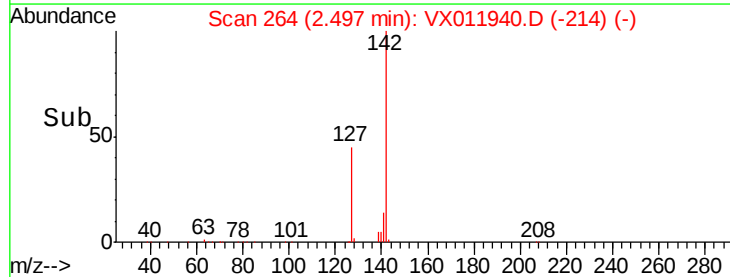
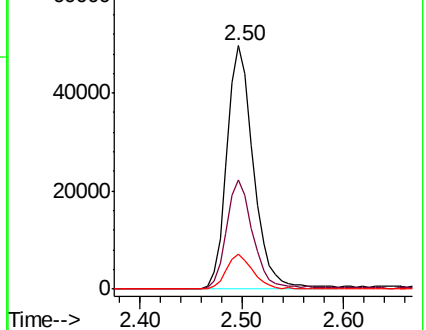
141 14.2 11.8 17.6

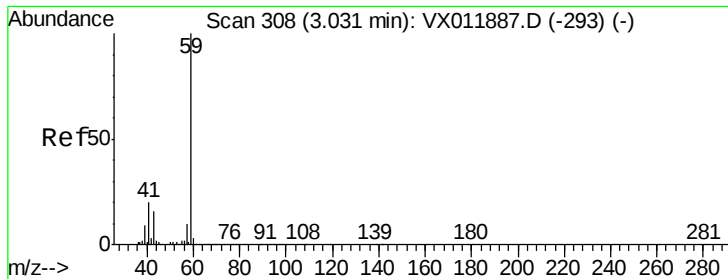


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

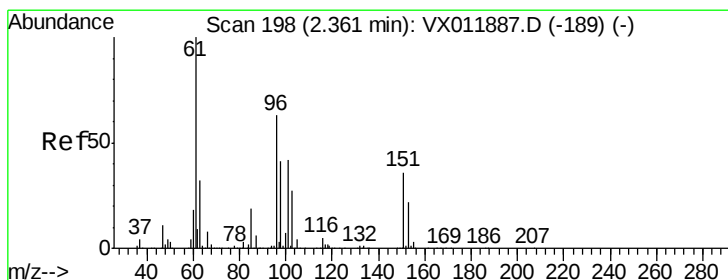
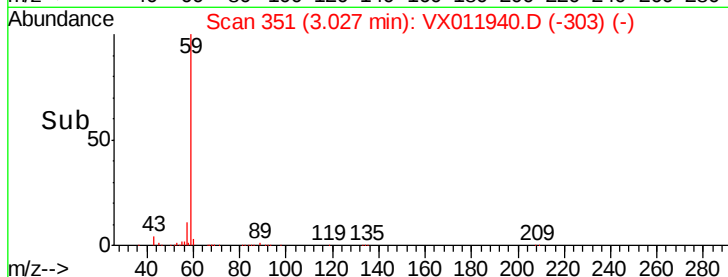
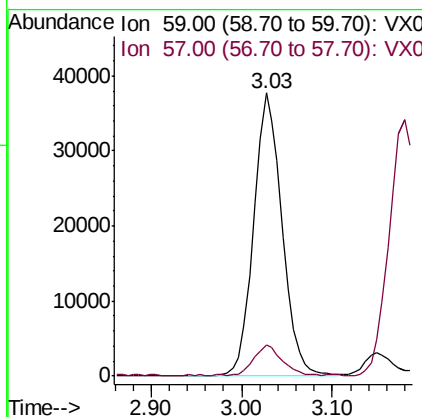
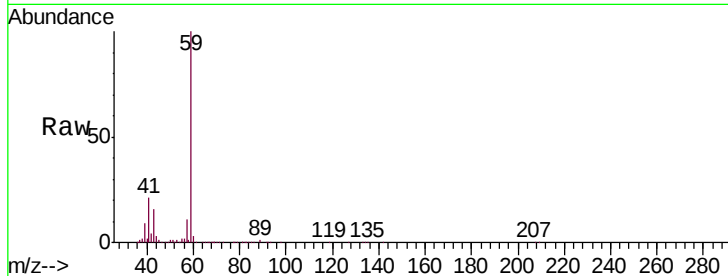




#11
Tert butyl alcohol
Concen: 325.190 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

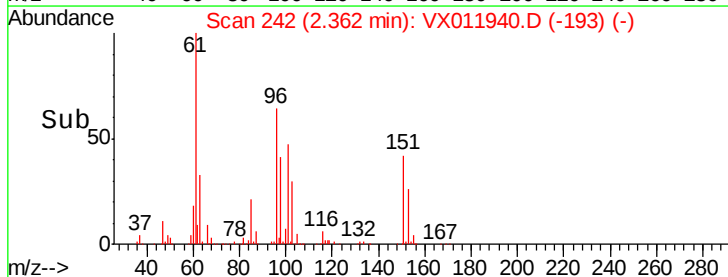
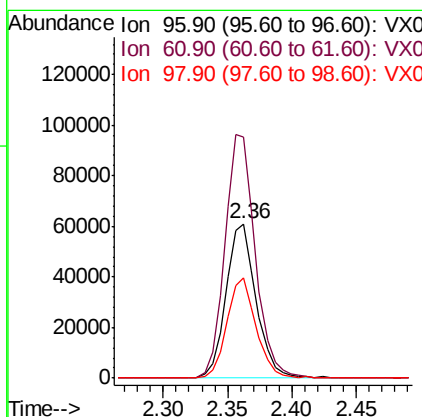
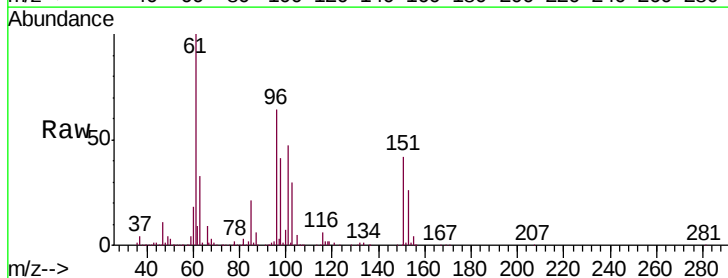
Instrument :
MSVOA_X
ClientSampleId :

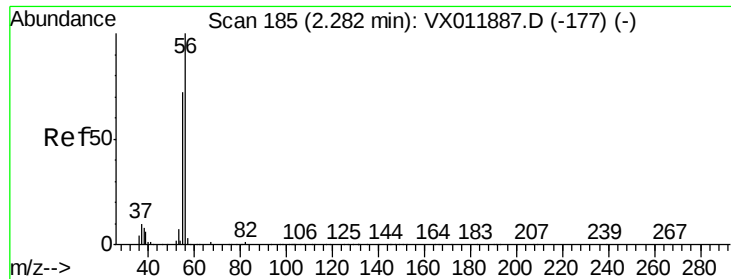
Tot Ion: 59 Resp: 81773
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#12
1,1-Dichloroethene
Concen: 51.786 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 96 Resp: 99225
Ion Ratio Lower Upper
96 100
61 156.9 126.6 190.0
98 64.6 51.6 77.4

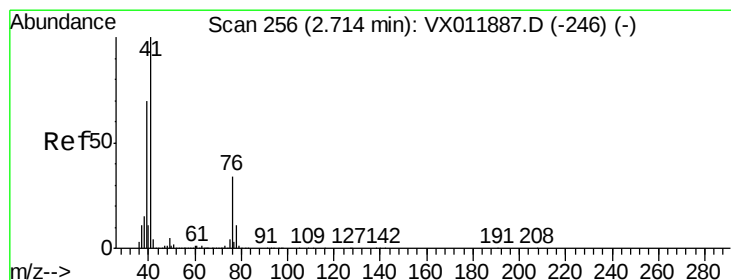
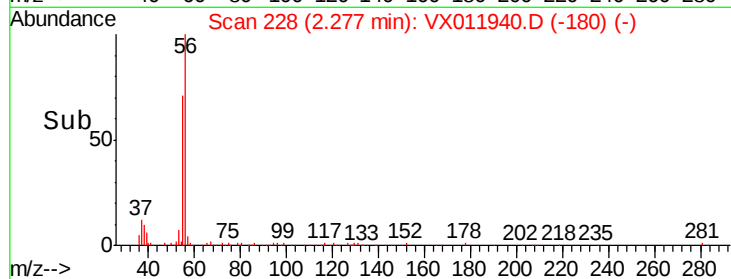
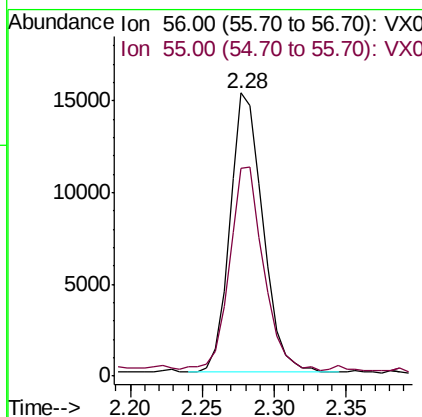
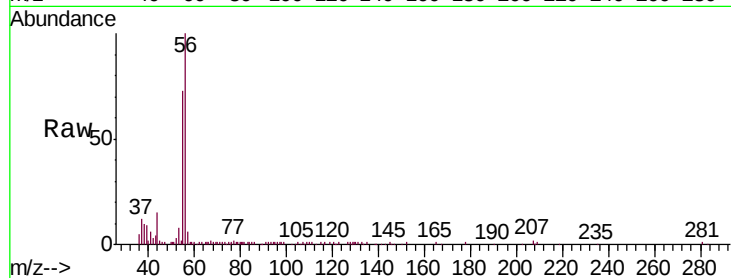




#13
Acrolein
Concen: 194.874 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

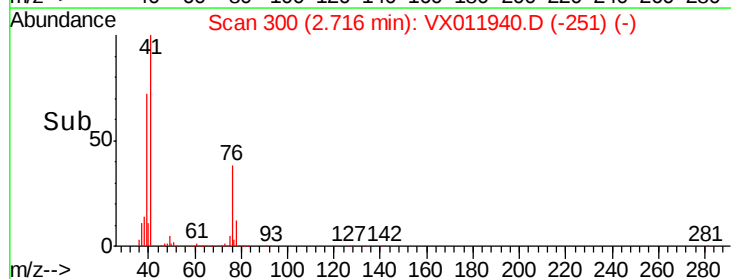
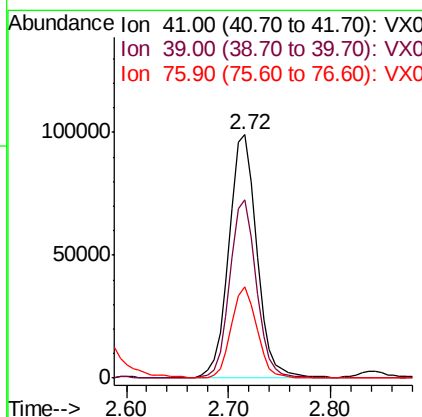
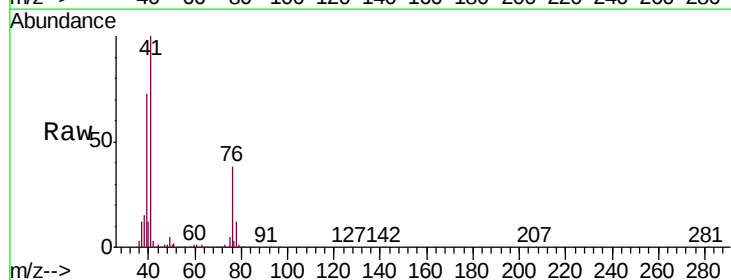
Instrument :
MSVOA_X
ClientSampleId :

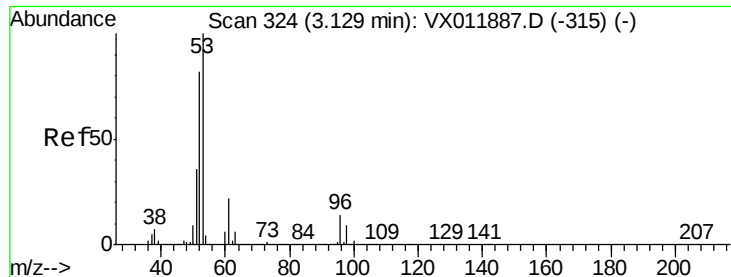
Tot Ion: 56 Resp: 24390
Ion Ratio Lower Upper
56 100
55 75.3 58.6 88.0



#14
Allyl chloride
Concen: 52.112 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 41 Resp: 187302
Ion Ratio Lower Upper
41 100
39 69.0 55.0 82.6
76 34.2 27.0 40.4





#15

Acrylonitrile

Concen: 321.415 ug/l

RT: 3.12 min Scan# 367

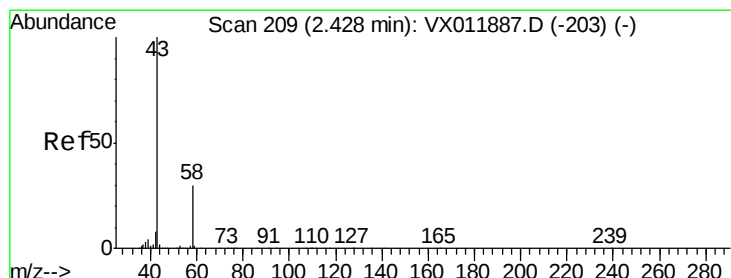
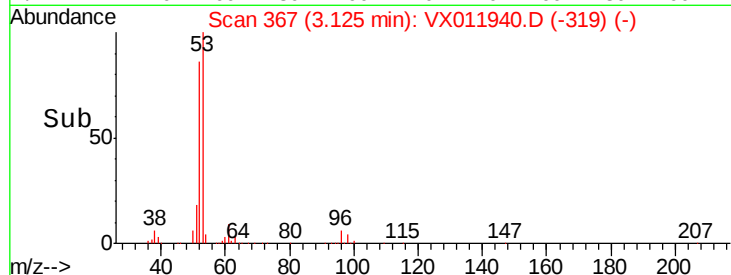
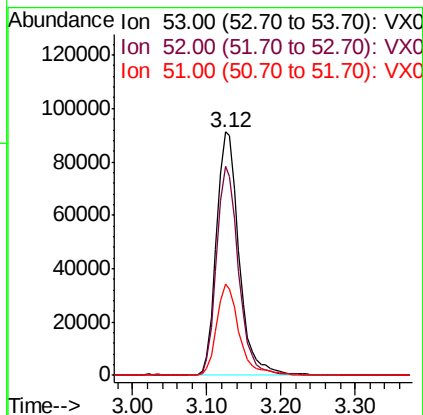
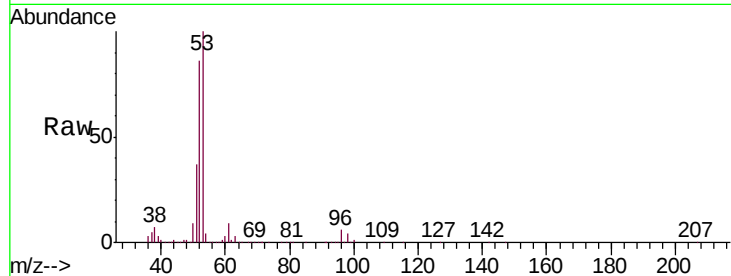
Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	53	Resp:	192057
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.3	97.9
51	37.1	29.4	44.2



#16

Acetone

Concen: 288.493 ug/l

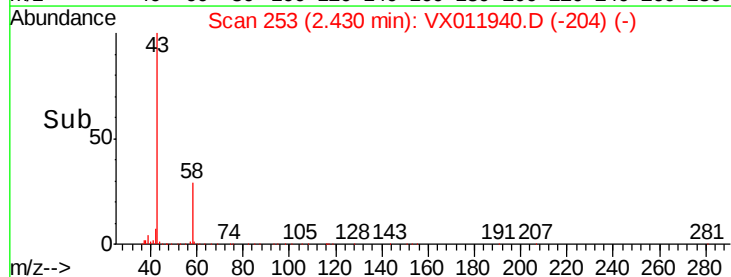
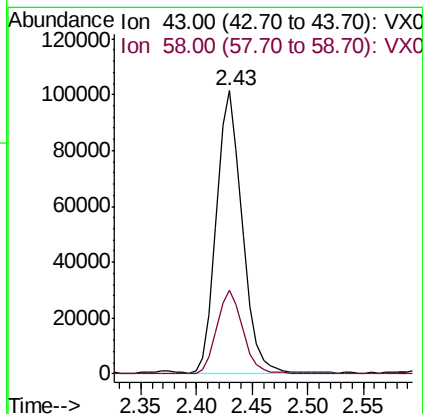
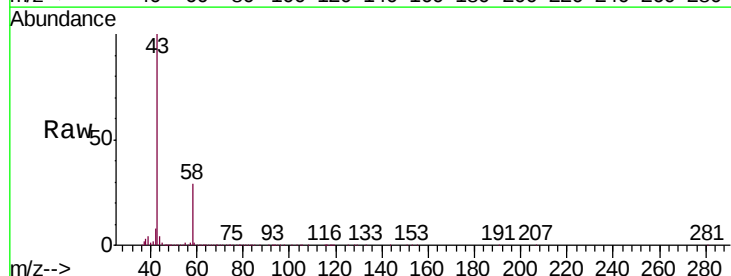
RT: 2.43 min Scan# 253

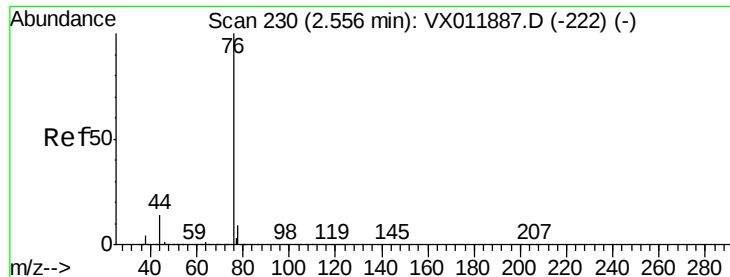
Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion:	43	Resp:	162241
Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.8	35.8

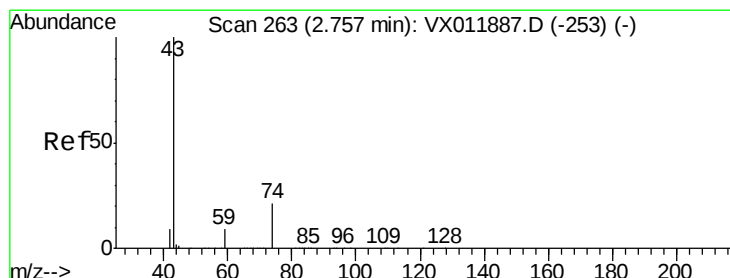
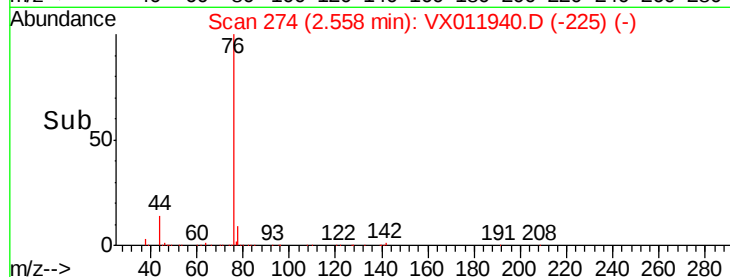
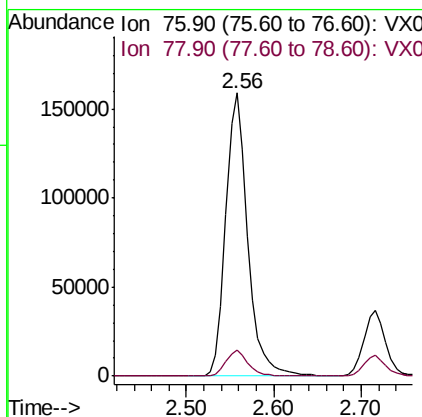
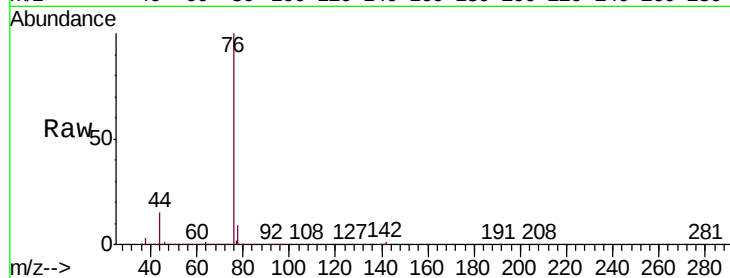




#17
Carbon Disulfide
Concen: 50.393 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

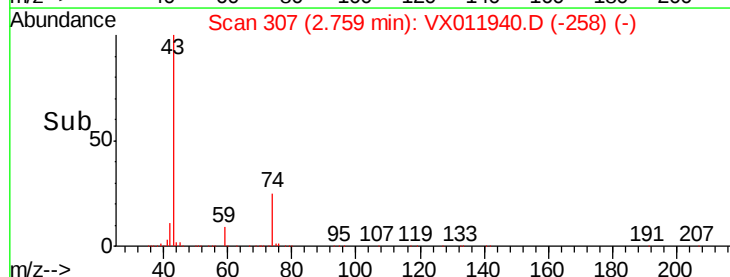
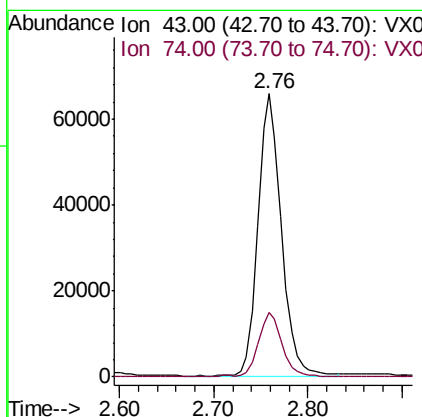
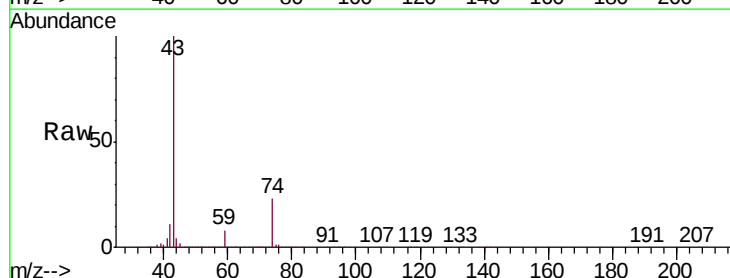
Instrument :
MSVOA_X
ClientSampled :

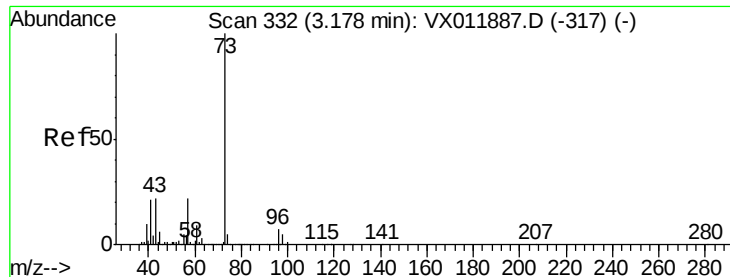
Tot Ion: 76 Resp: 276953
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 73.678 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 43 Resp: 114698
Ion Ratio Lower Upper
43 100
74 23.6 18.4 27.6

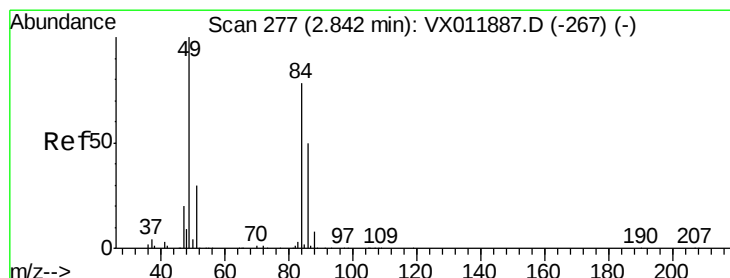
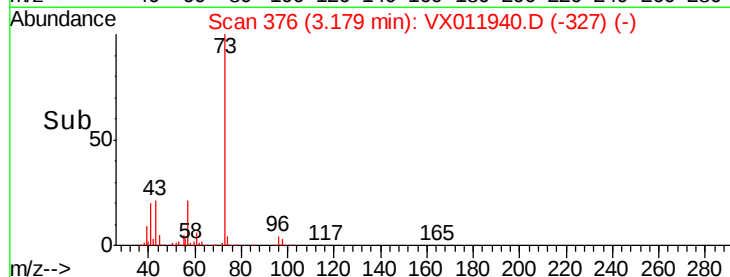
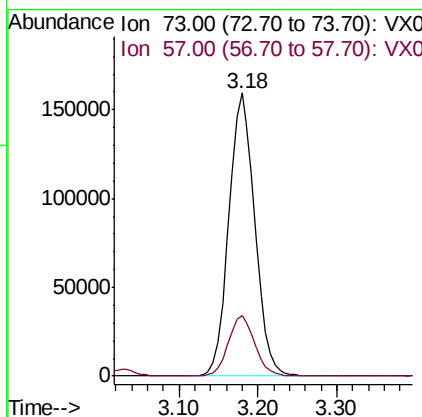
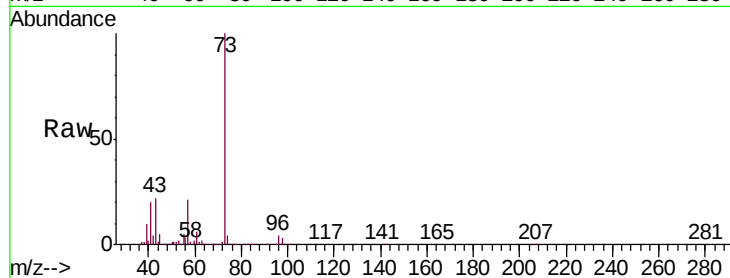




#19
Methyl tert-butyl Ether
Concen: 58.836 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

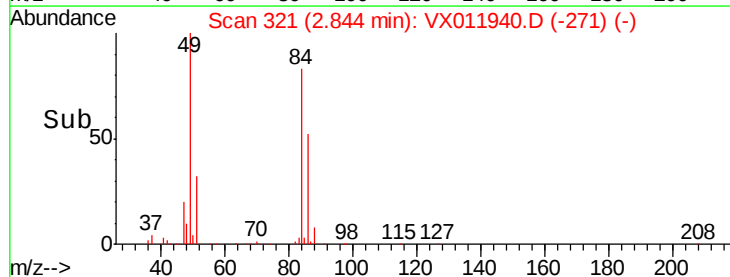
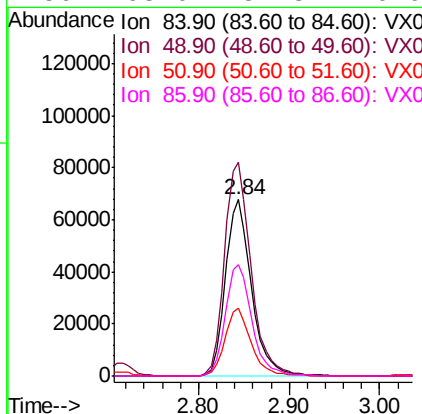
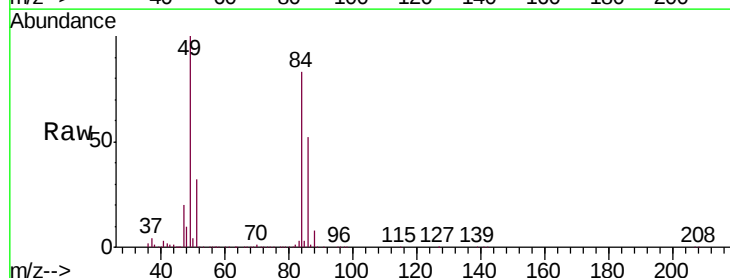
Instrument :
MSVOA_X
ClientSampleId :

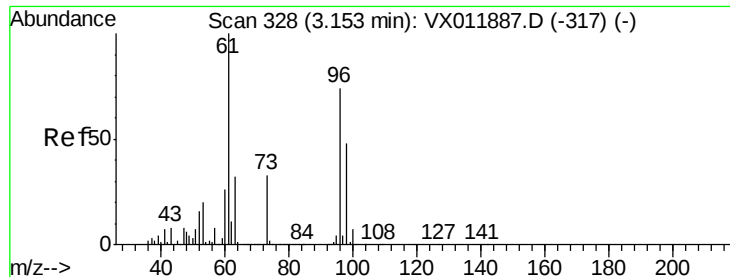
Tot Ion: 73 Resp: 365217
Ion Ratio Lower Upper
73 100
57 21.4 17.4 26.0



#20
Methylene Chloride
Concen: 56.978 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 84 Resp: 135080
Ion Ratio Lower Upper
84 100
49 120.9 103.0 154.4
51 38.2 30.8 46.2
86 63.0 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 53.972 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampled :

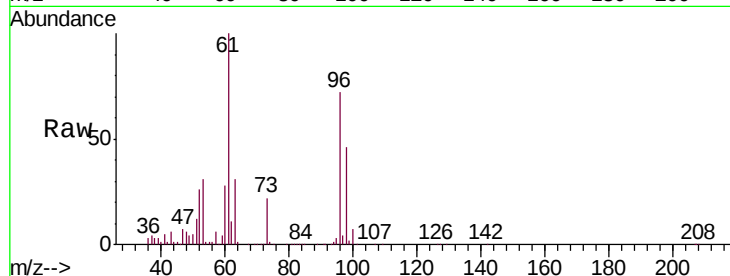
Tot Ion: 96 Resp: 121816

Ion Ratio Lower Upper

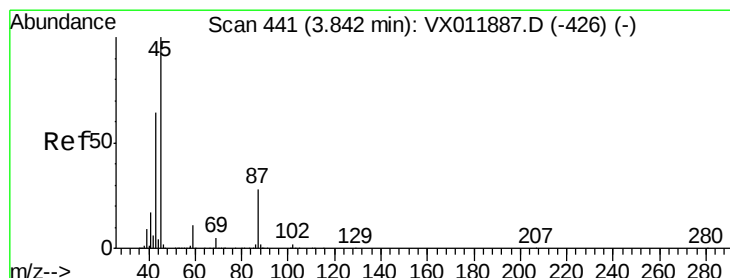
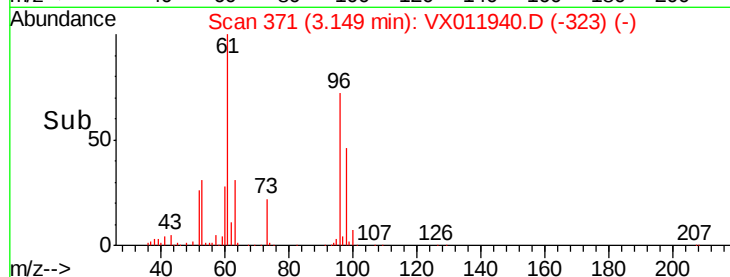
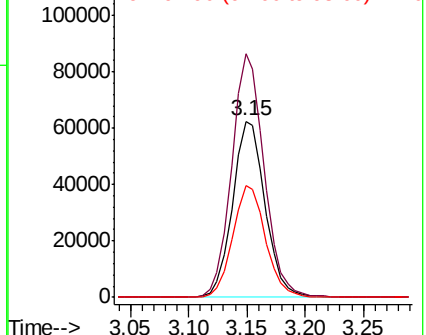
96 100

61 138.2 107.4 161.2

98 63.9 51.4 77.2



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



#22

Diisopropyl ether

Concen: 56.050 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion: 45 Resp: 411268

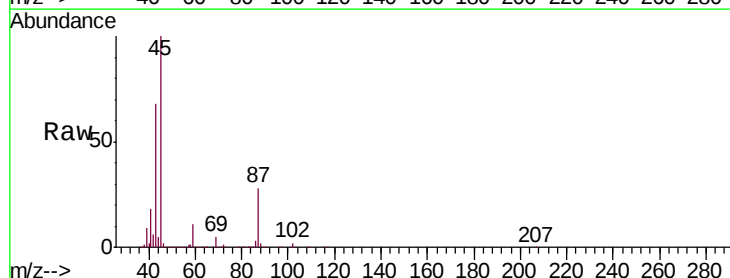
Ion Ratio Lower Upper

45 100

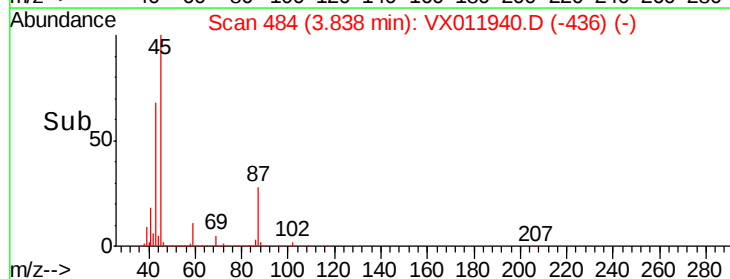
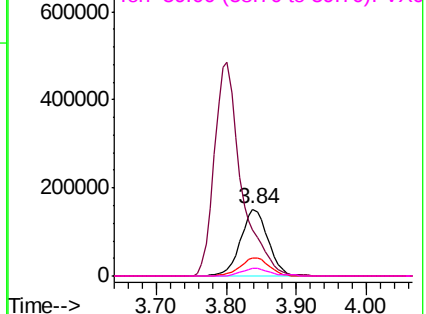
43 68.1 51.0 76.6

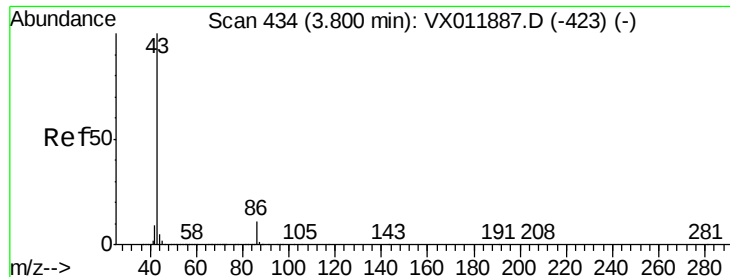
87 27.6 22.0 33.0

59 11.1 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 275.815 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

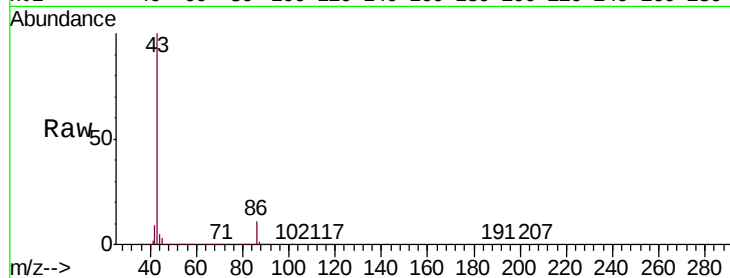
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1301163

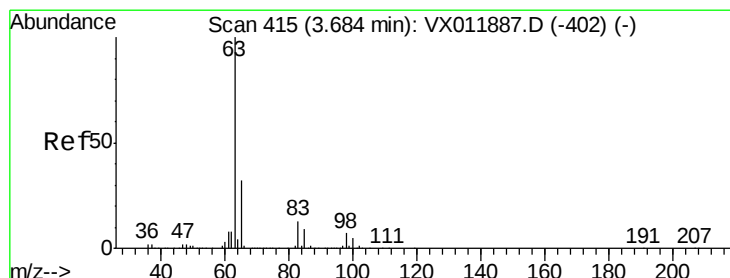
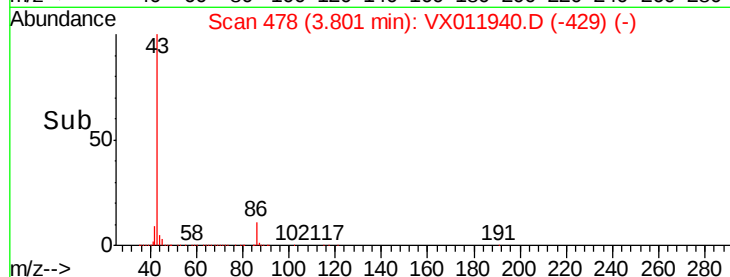
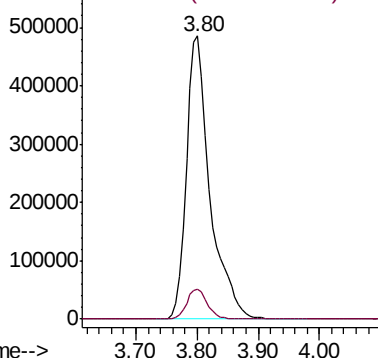
Ion Ratio Lower Upper

43 100

86 10.6 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 55.406 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

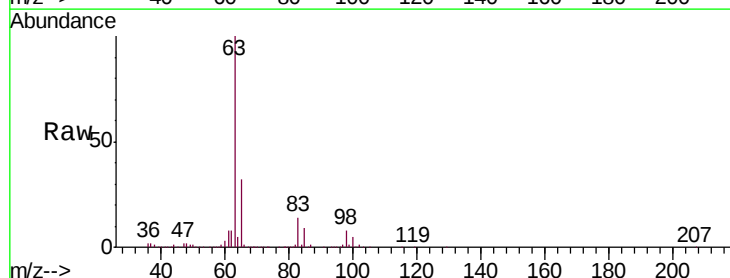
Tgt Ion: 63 Resp: 224190

Ion Ratio Lower Upper

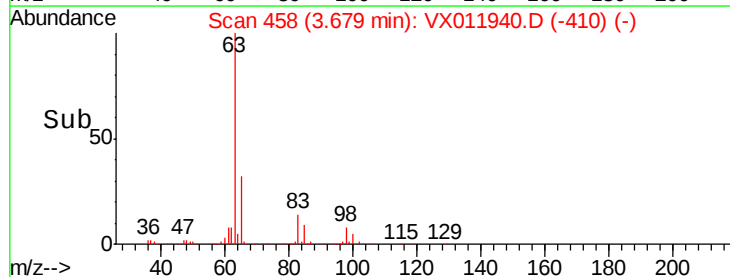
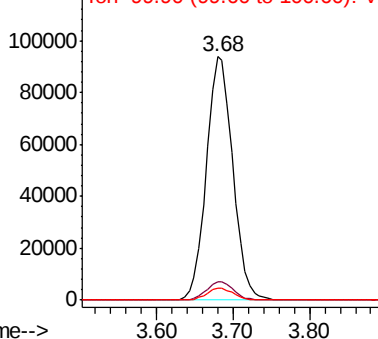
63 100

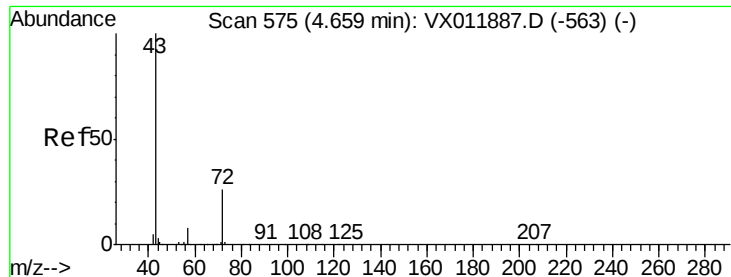
98 7.8 3.8 11.2

100 4.9 2.4 7.2



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: 320.879 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

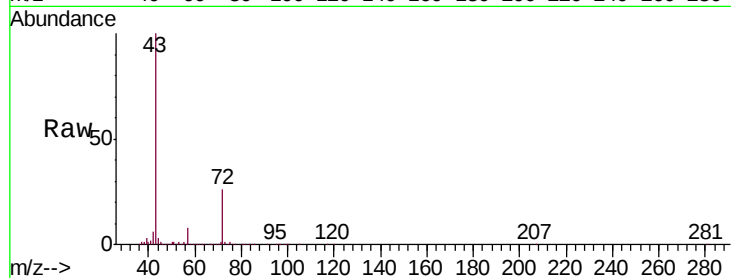
ClientSampleId :

Tot Ion: 43 Resp: 262824

Ion Ratio Lower Upper

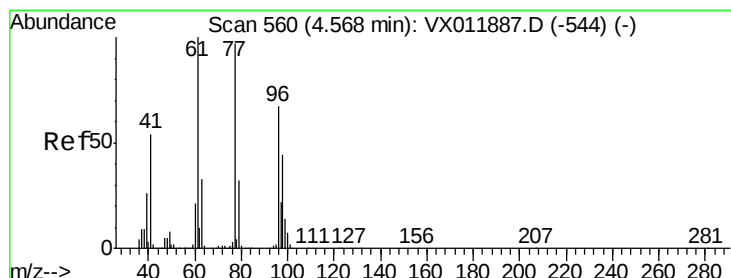
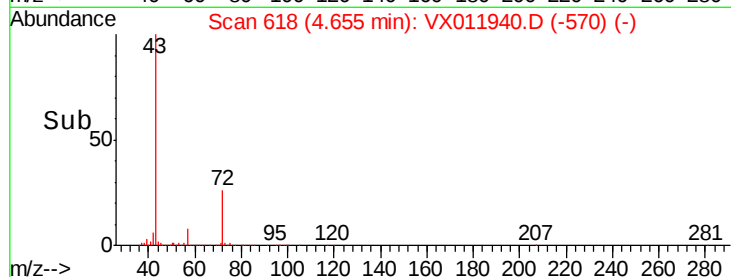
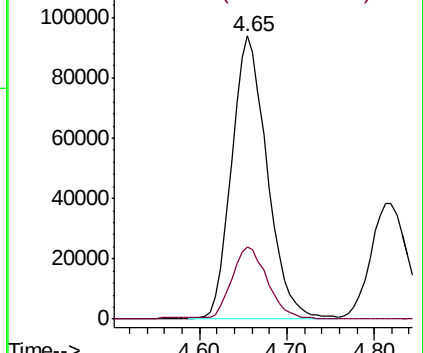
43 100

72 25.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 42.466 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011940.D

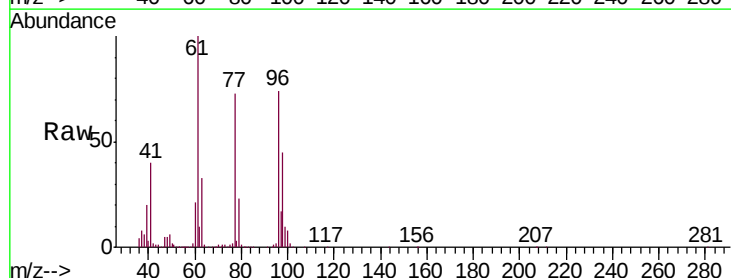
Acq: 31 Aug 2019 07:27

Tgt Ion: 77 Resp: 144117

Ion Ratio Lower Upper

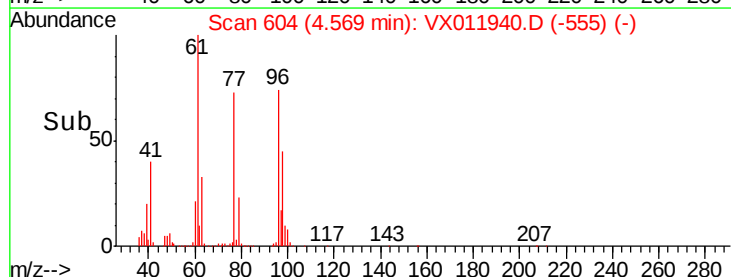
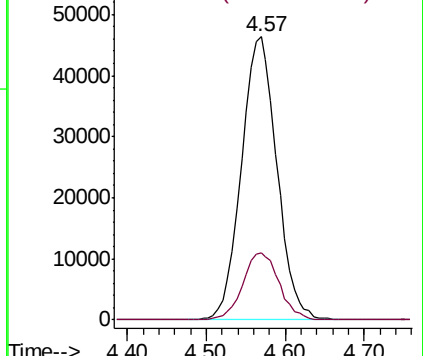
77 100

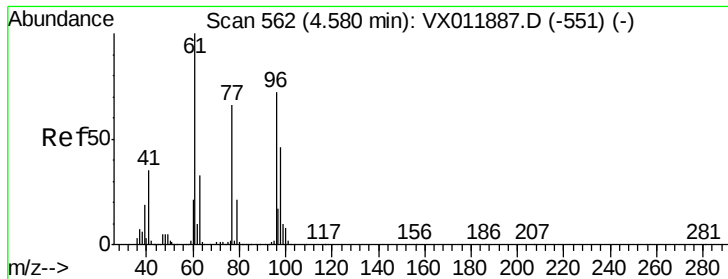
97 24.5 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



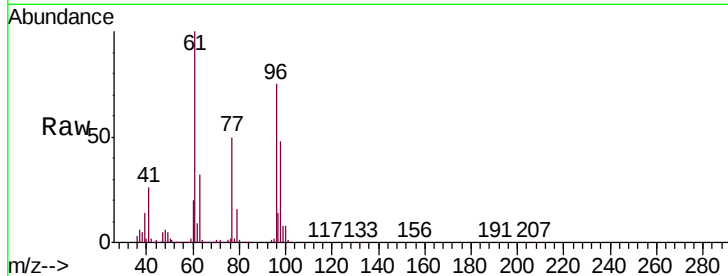


#27

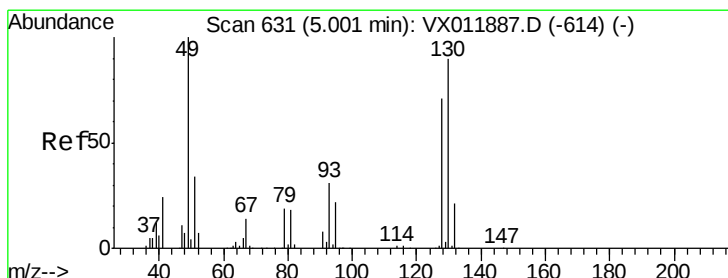
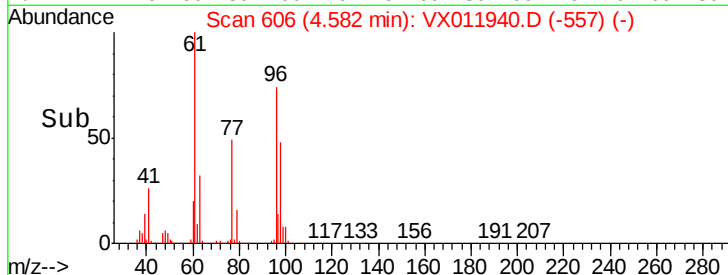
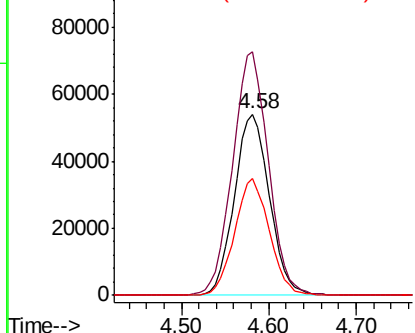
cis-1,2-Dichloroethene
Concen: 56.531 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	283.8
98	63.9	0.0	131.2



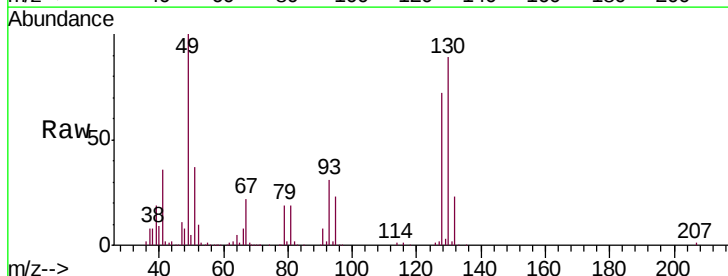
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



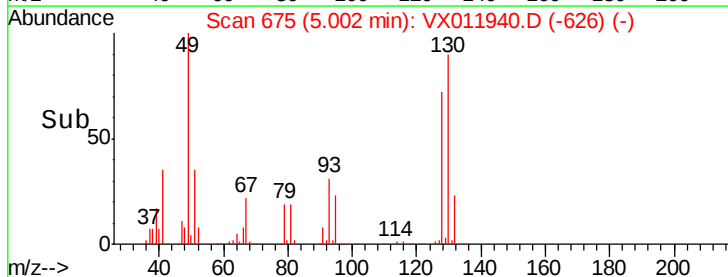
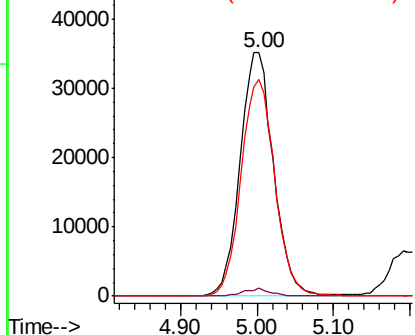
#28

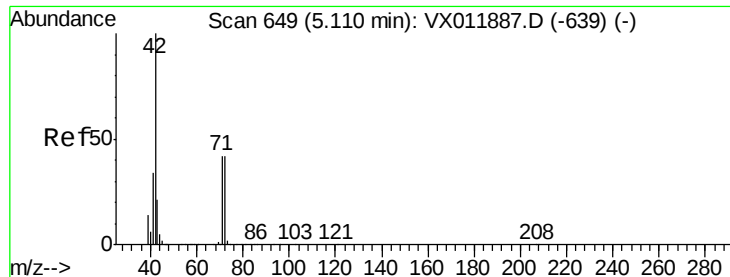
Bromochloromethane
Concen: 58.882 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	89.7	70.6	105.8



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: 328.925 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

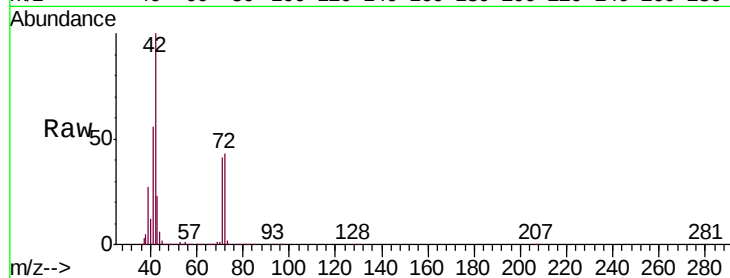
Tot Ion: 42 Resp: 168159

Ion Ratio Lower Upper

42 100

72 46.3 36.2 54.4

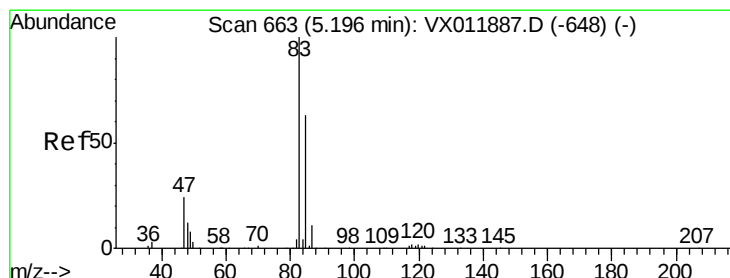
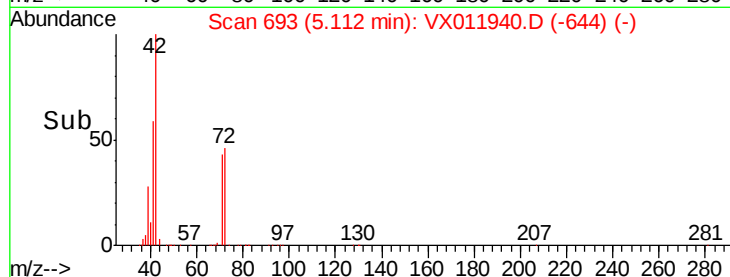
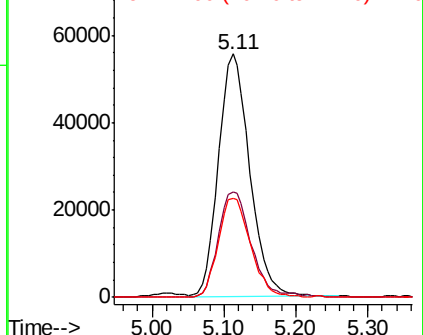
71 41.5 33.1 49.7



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: 55.888 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX011940.D

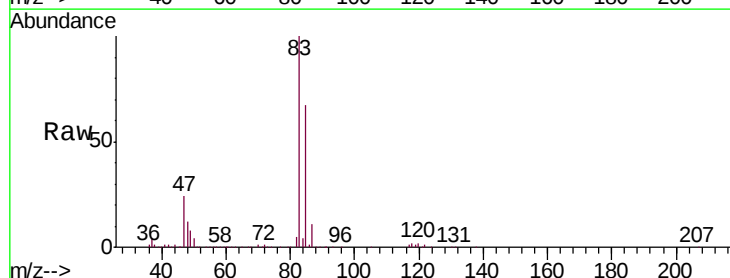
Acq: 31 Aug 2019 07:27

Tgt Ion: 83 Resp: 241796

Ion Ratio Lower Upper

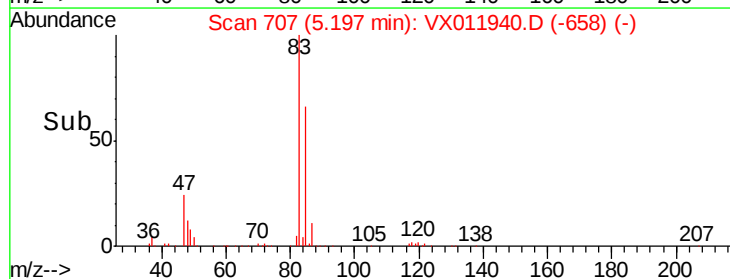
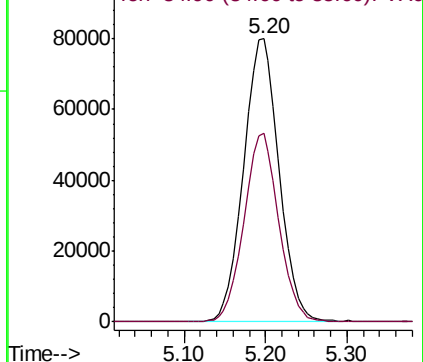
83 100

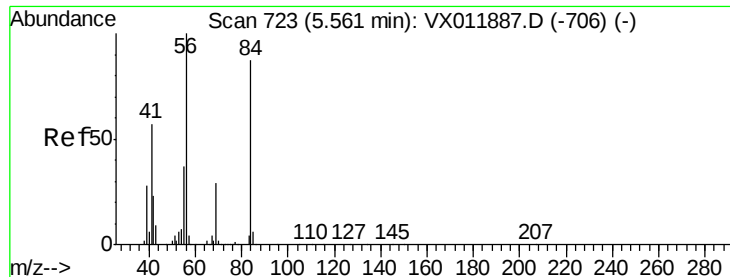
85 66.5 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

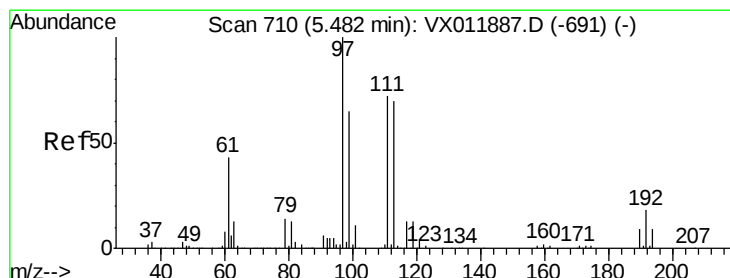
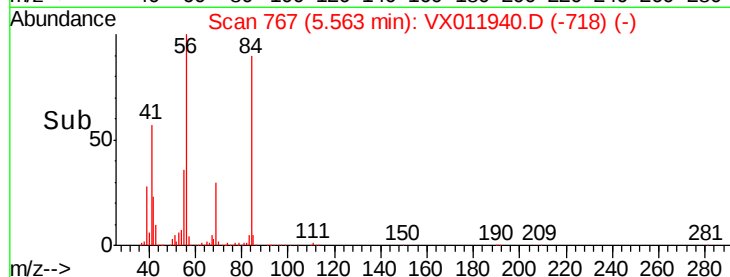
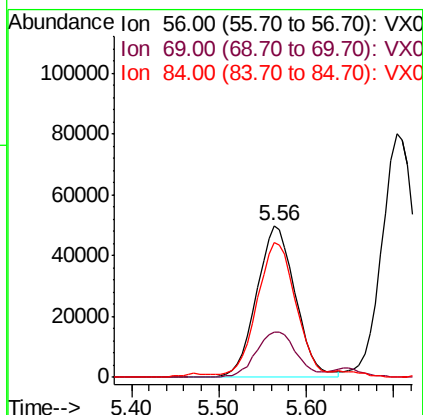
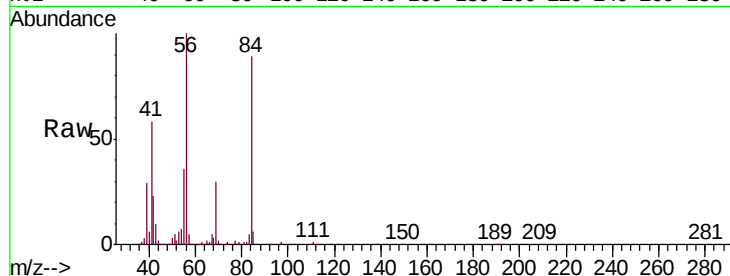




#31
Cyclohexane
Concen: 47.382 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

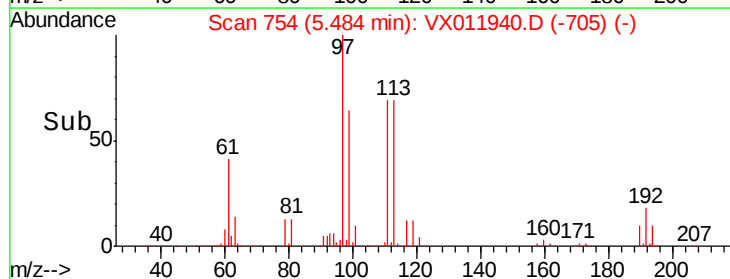
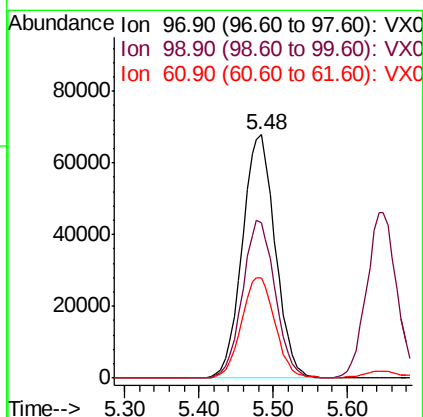
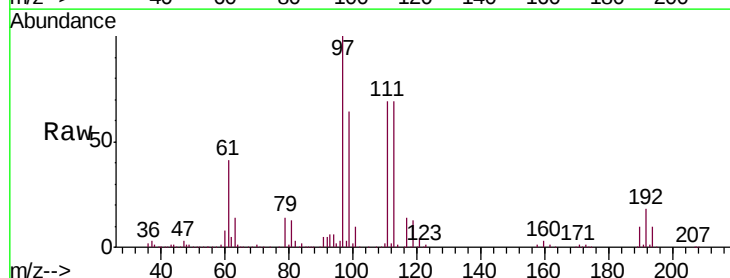
Instrument :
MSVOA_X
ClientSampleId :

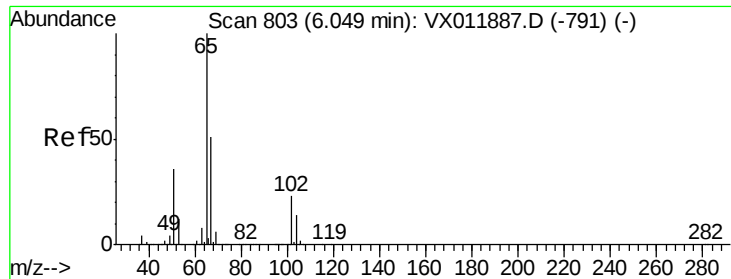
Tot Ion: 56 Resp: 154639
Ion Ratio Lower Upper
56 100
69 29.4 23.1 34.7
84 87.4 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 54.893 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 97 Resp: 210963
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.8
61 42.0 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 55.973 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

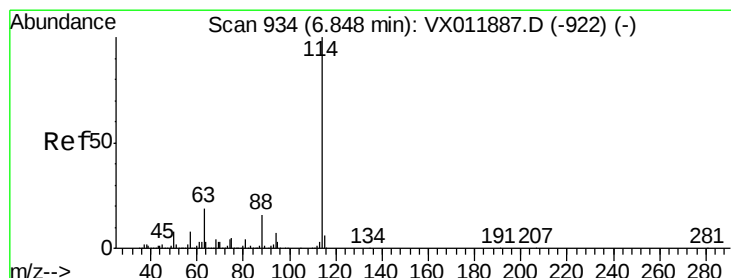
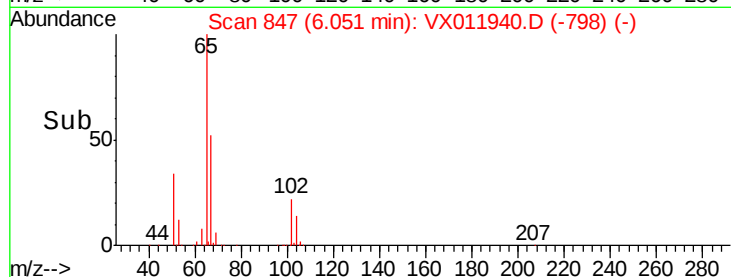
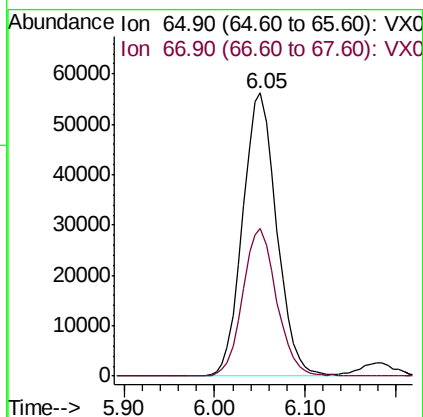
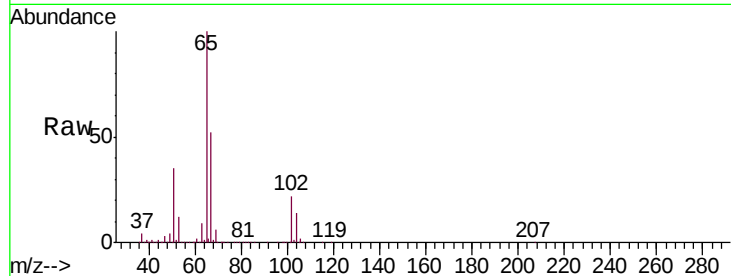
ClientSampled :

Tot Ion: 65 Resp: 146300

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

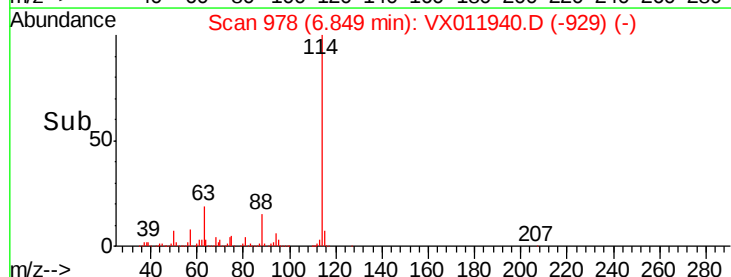
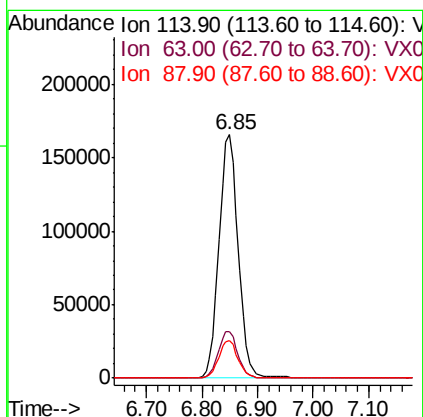
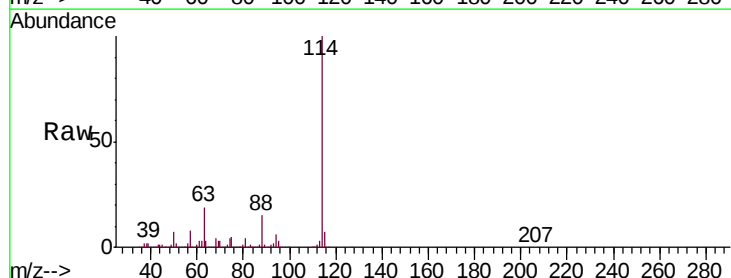
Tgt Ion: 114 Resp: 397027

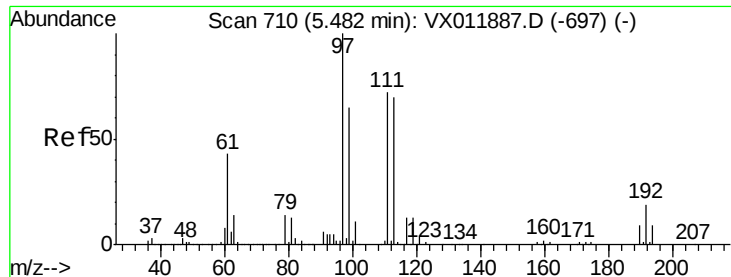
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.754 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :

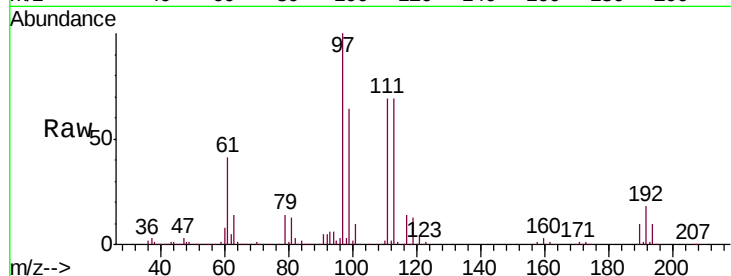
Tot Ion:113 Resp: 134306

Ion Ratio Lower Upper

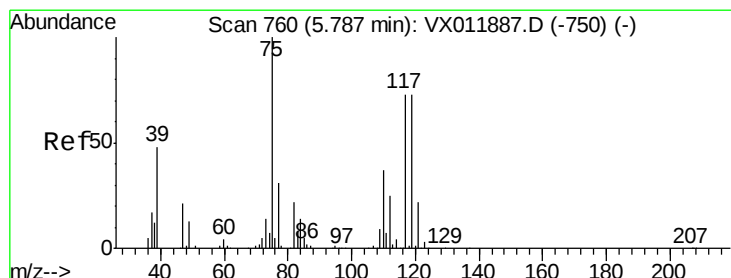
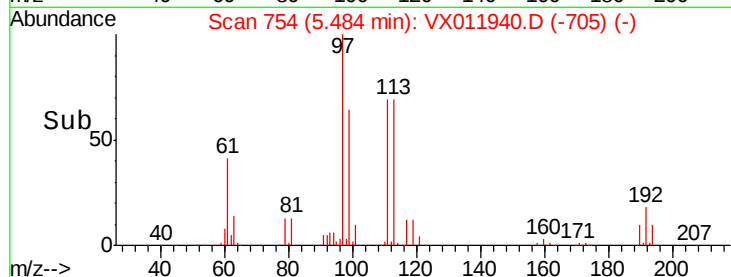
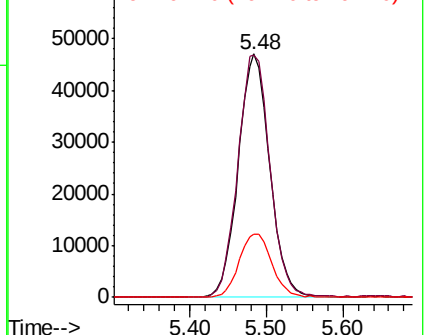
113 100

111 102.2 82.1 123.1

192 27.0 21.5 32.3



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: 50.094 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

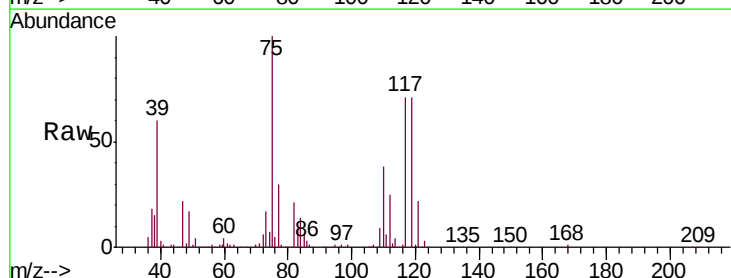
Tgt Ion: 75 Resp: 157565

Ion Ratio Lower Upper

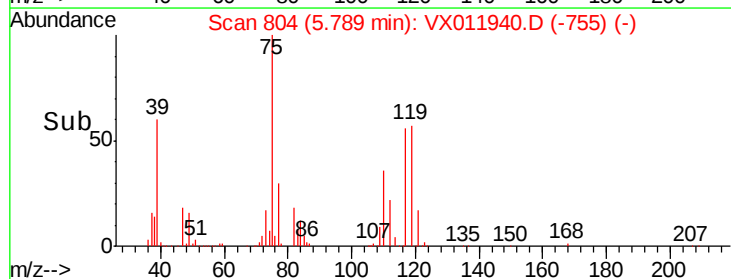
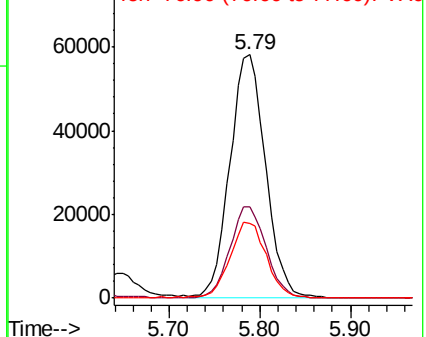
75 100

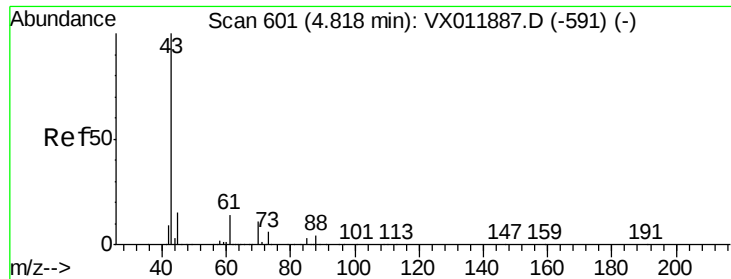
110 38.2 19.1 57.3

77 31.5 24.4 36.6



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

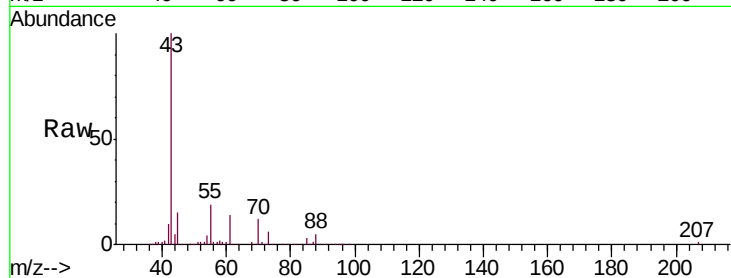




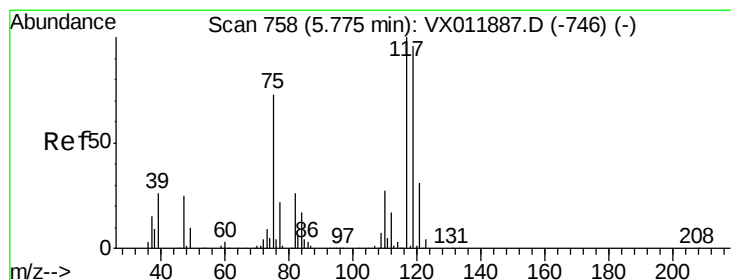
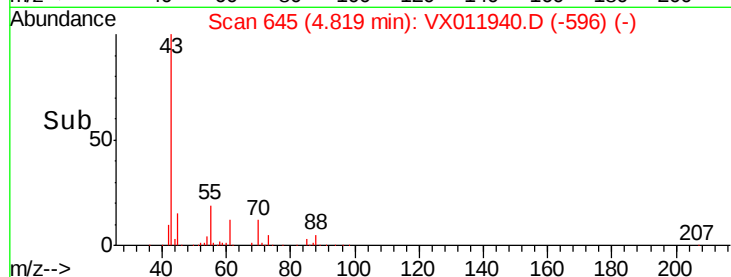
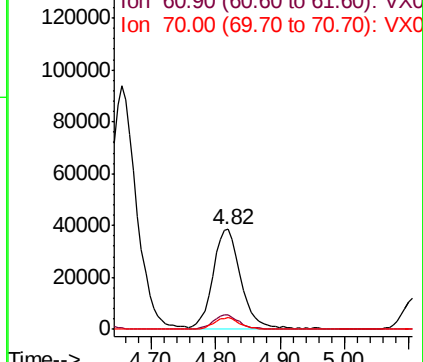
#37
Ethyl Acetate
Concen: 61.931 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 115309
Ion Ratio Lower Upper
43 100
61 13.3 11.0 16.4
70 11.6 9.2 13.8

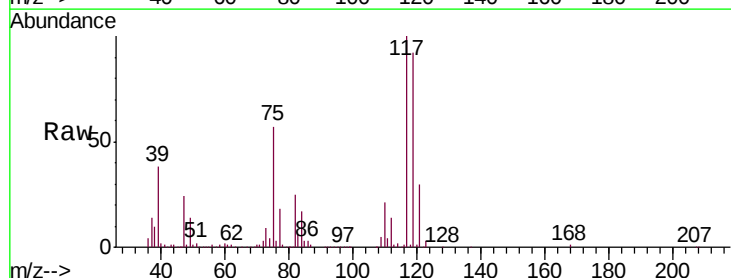


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

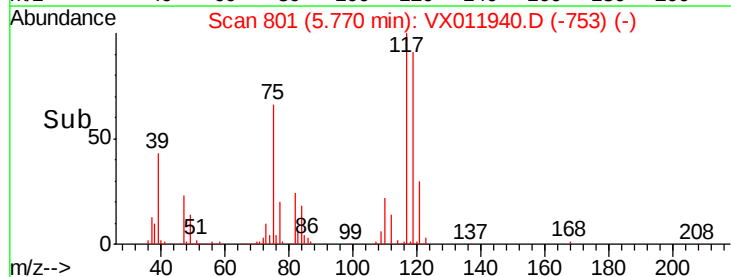
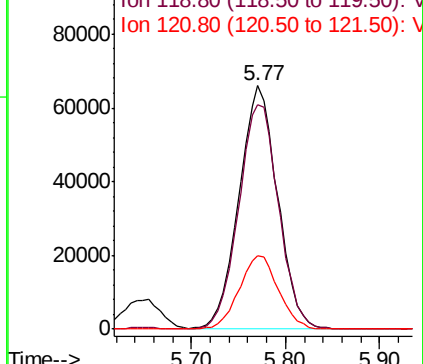


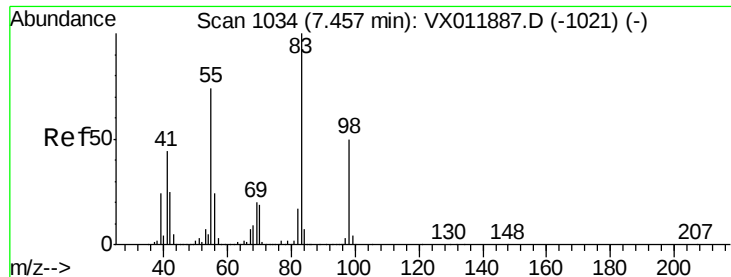
#38
Carbon Tetrachloride
Concen: 51.584 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 117 Resp: 188175
Ion Ratio Lower Upper
117 100
119 92.1 76.6 114.8
121 30.3 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

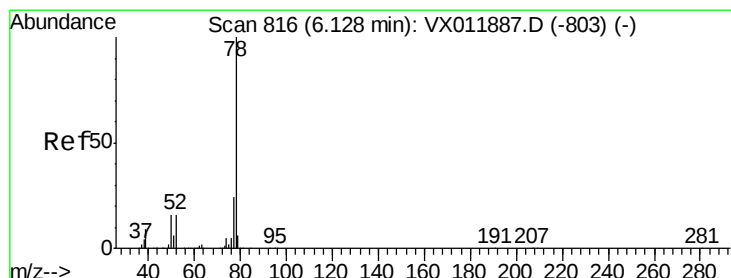
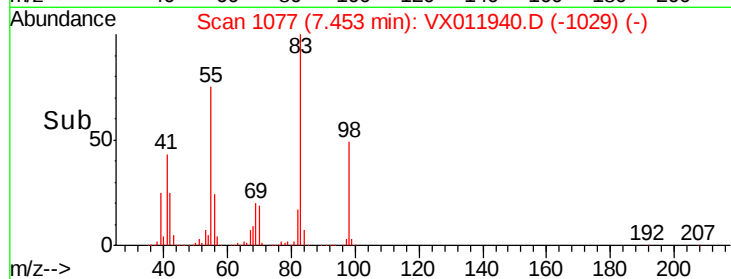
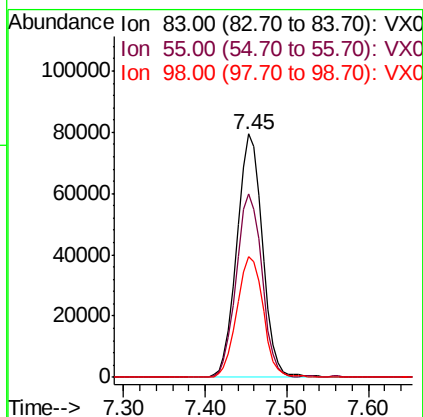
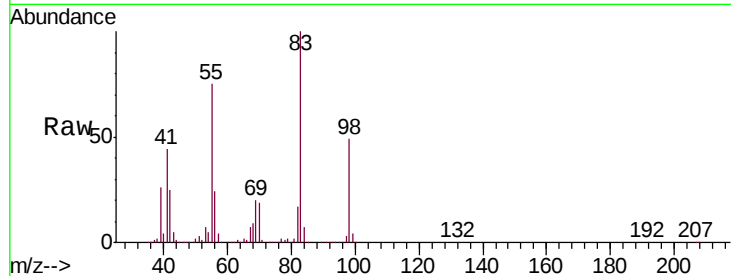




#39
Methvlcvclohexane
Concen: 45.953 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

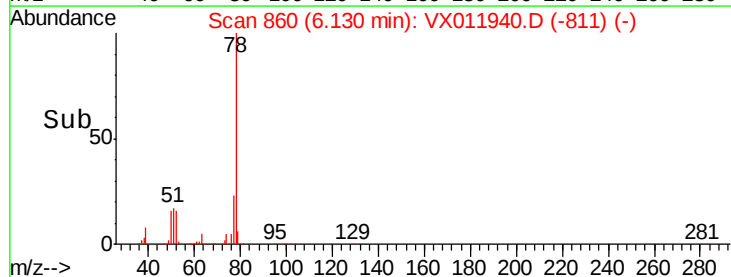
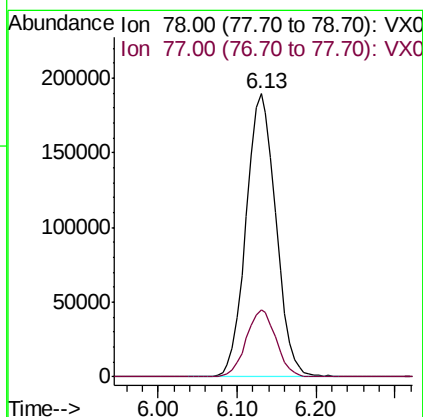
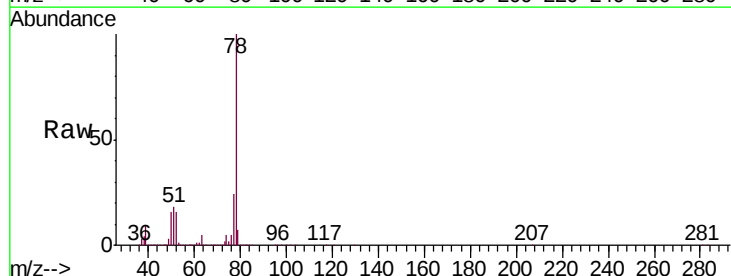
Instrument :
MSVOA_X
ClientSampleId :

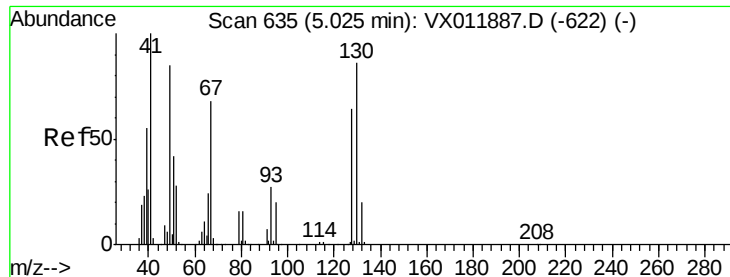
Tot Ion: 83 Resp: 172164
Ion Ratio Lower Upper
83 100
55 75.2 59.4 89.0
98 49.5 40.3 60.5



#40
Benzene
Concen: 53.134 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 78 Resp: 498867
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

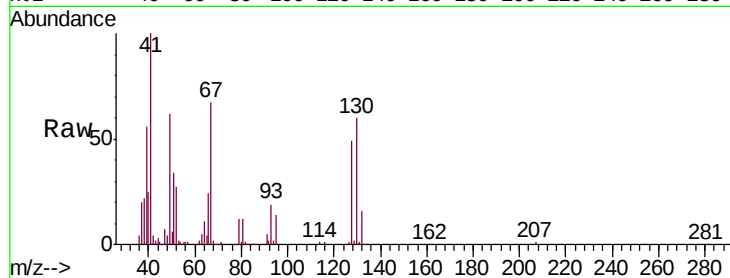




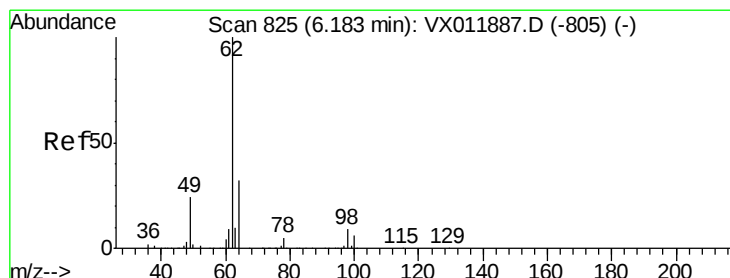
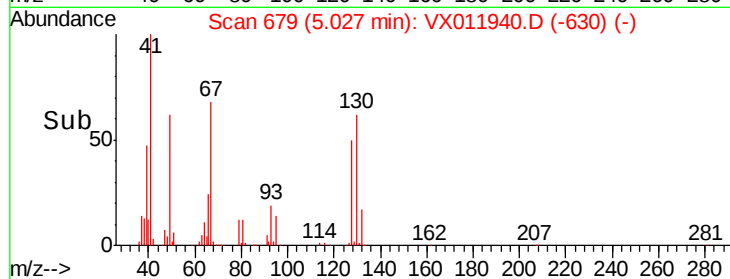
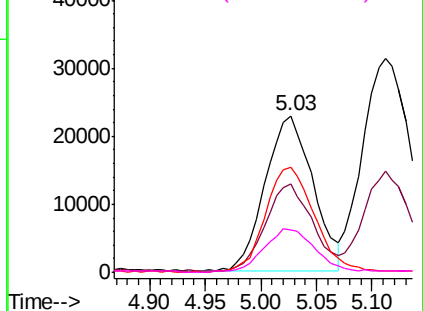
#41
Methacrylonitrile
Concen: 61.940 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	41	Resp:	67903
Ion	Ratio	Lower	Upper
41	100		
39	55.6	45.0	67.6
67	68.9	55.0	82.4
52	29.6	24.1	36.1

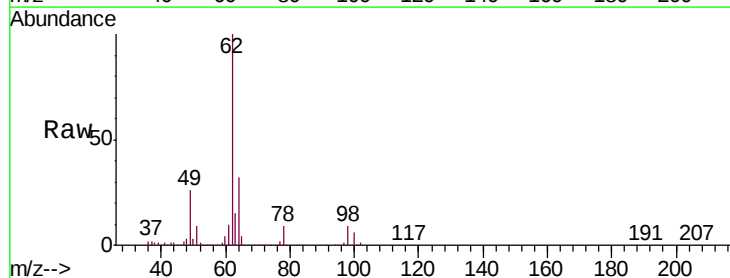


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

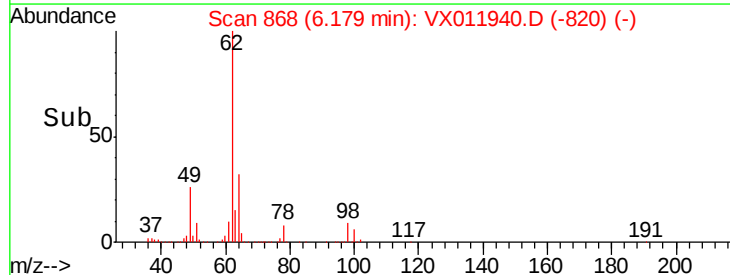
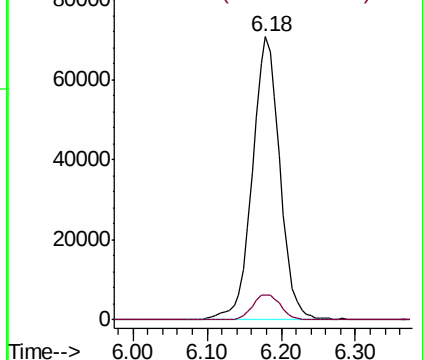


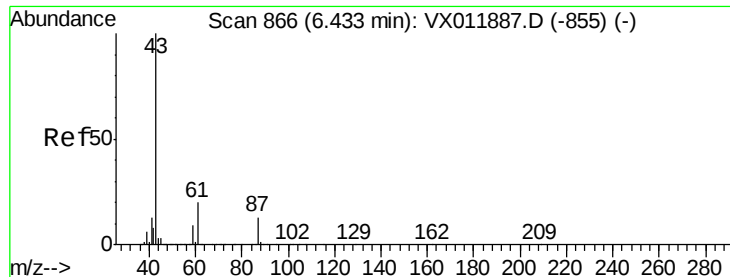
#42
1,2-Dichloroethane
Concen: 57.015 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion:	62	Resp:	182041
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



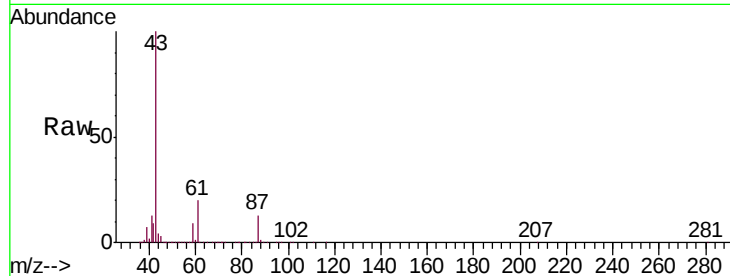


#43

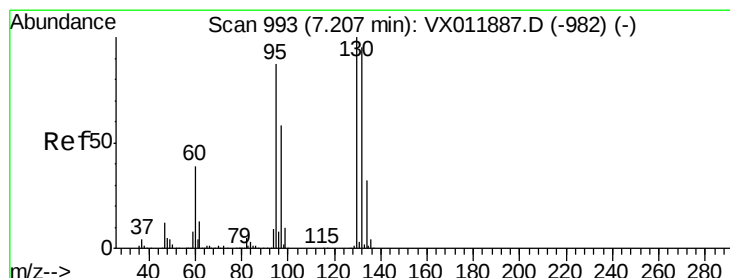
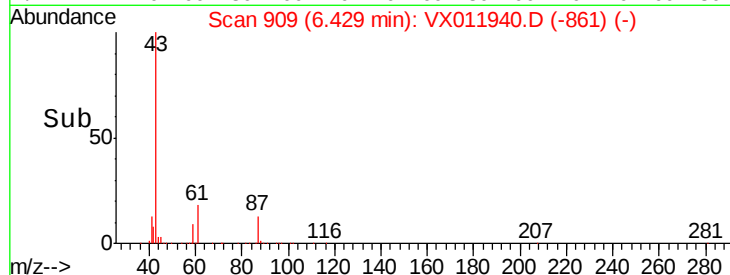
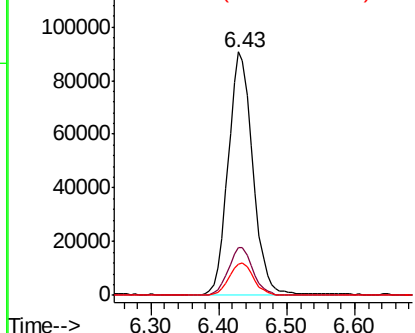
Isopropyl Acetate
 Concen: 59.916 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.5	10.6	16.0



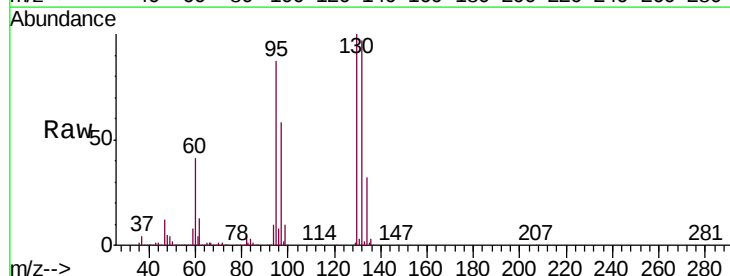
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



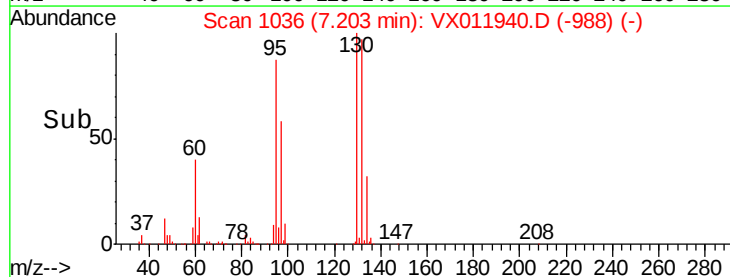
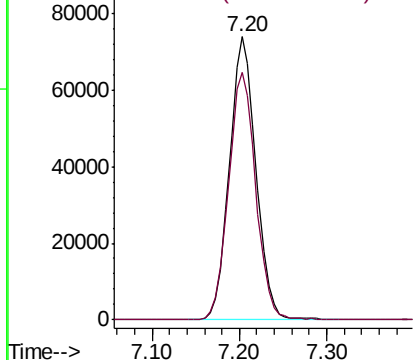
#44

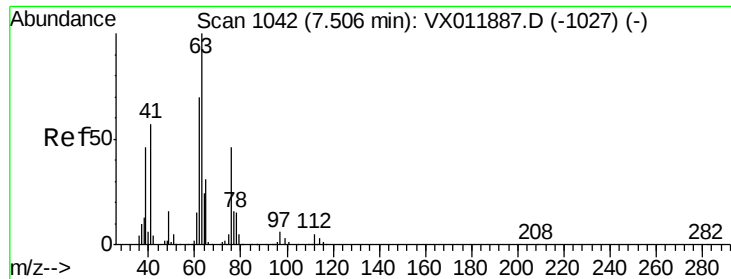
Trichloroethene
 Concen: 53.609 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	174.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

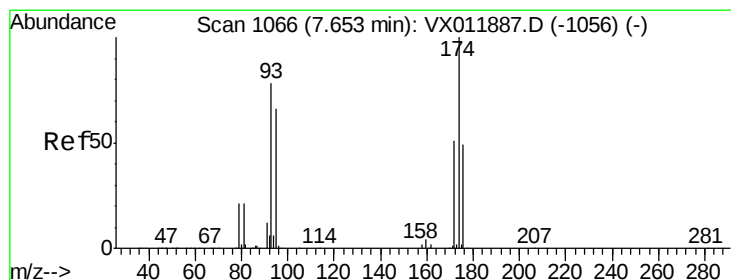
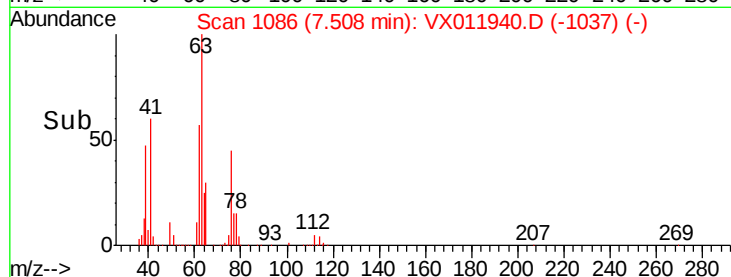
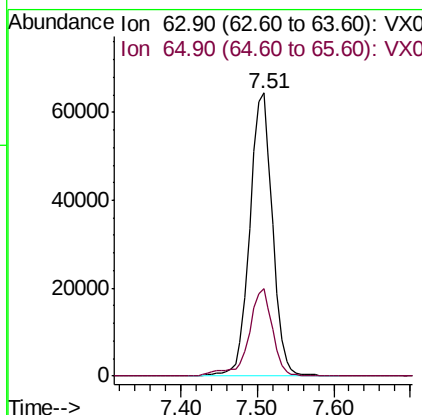
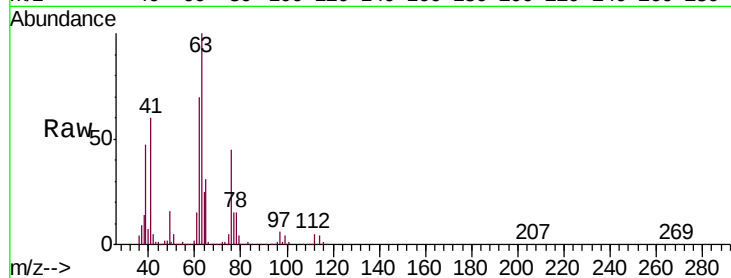




#45
 1,2-Dichloropropane
 Concen: 54.385 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

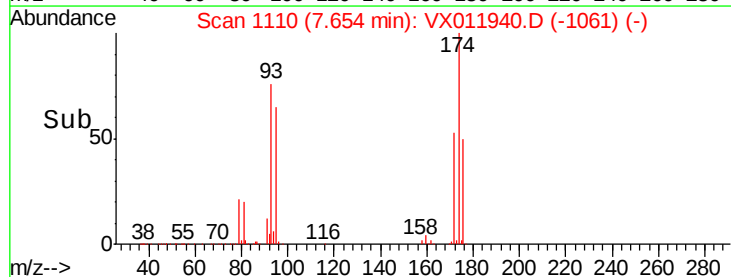
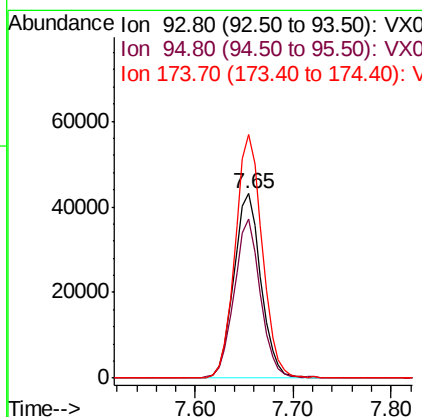
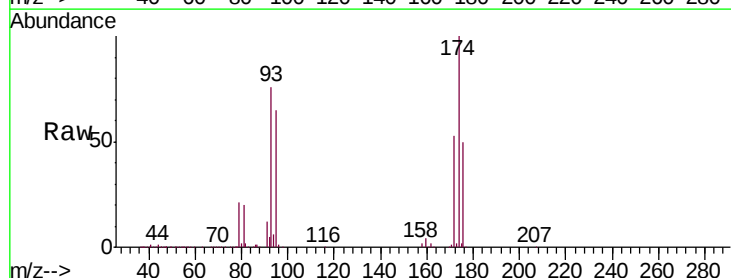
Instrument :
 MSVOA_X
 ClientSampleId :

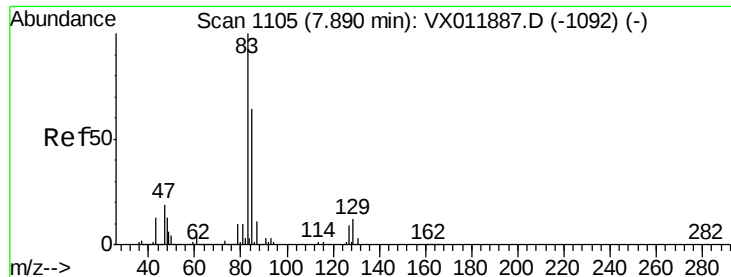
Tot Ion: 63 Resp: 133564
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.1 37.7



#46
 Dibromomethane
 Concen: 57.159 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion: 93 Resp: 83311
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.7 98.5
 174 131.4 104.2 156.4





#47

Bromodichloromethane

Concen: 55.546 ug/l

RT: 7.89 min Scan# 1149

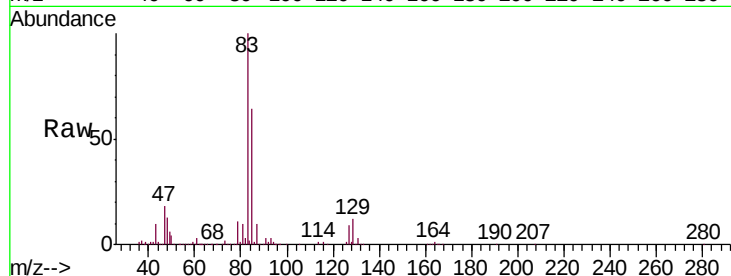
Delta R.T. 0.00 min

Lab File: VX011940.D

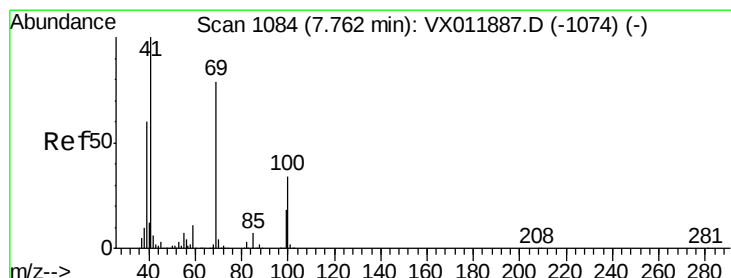
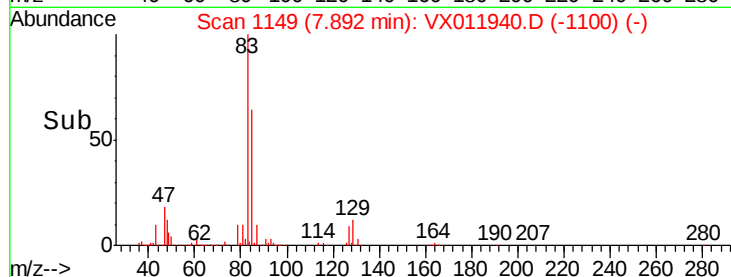
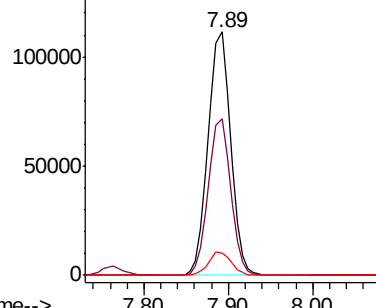
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	83	Resp:	200757
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	9.0	7.4	11.2



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: 61.341 ug/l

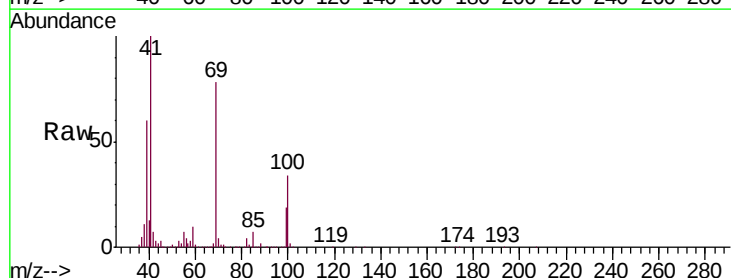
RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

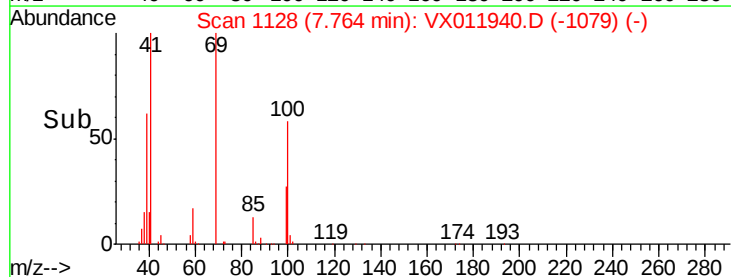
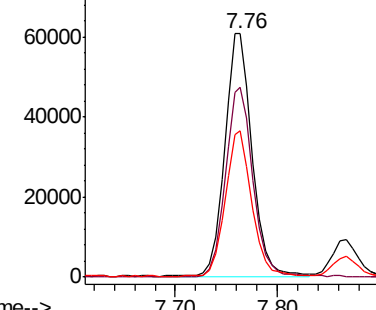
Lab File: VX011940.D

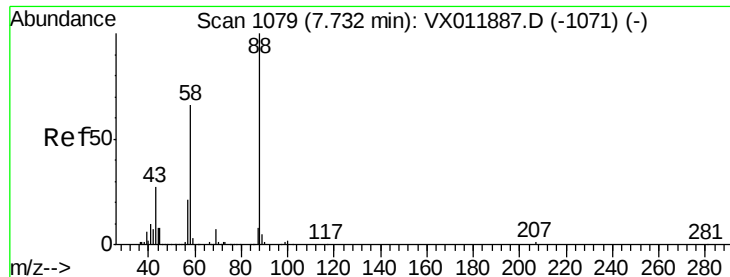
Acq: 31 Aug 2019 07:27

Tgt Ion:	41	Resp:	112666
Ion	Ratio	Lower	Upper
41	100		
69	79.1	64.4	96.6
39	58.3	47.2	70.8



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: 1338.229 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

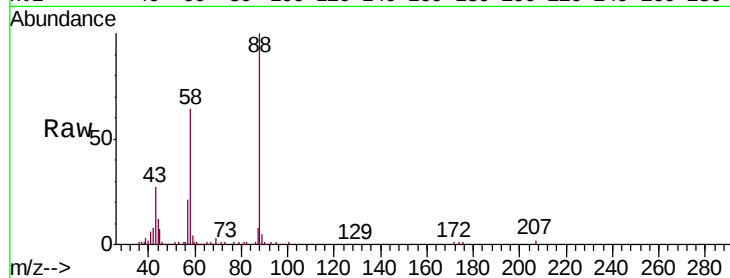
Tot Ion: 88 Resp: 33800

Ion Ratio Lower Upper

88 100

43 35.1 27.3 40.9

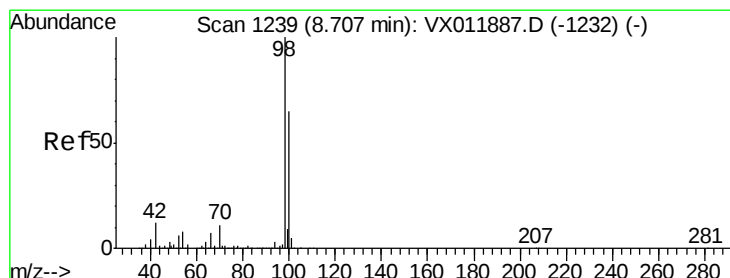
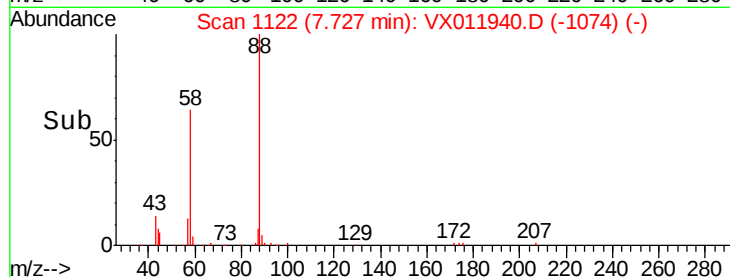
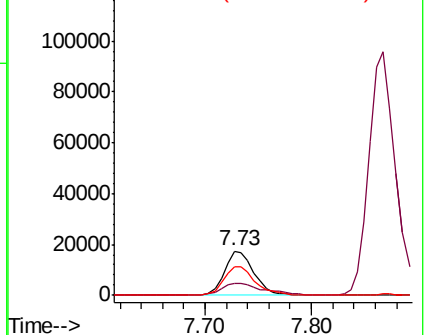
58 67.8 53.9 80.9



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: 52.299 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011940.D

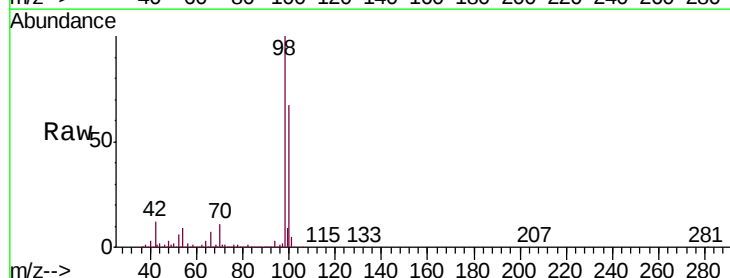
Acq: 31 Aug 2019 07:27

Tgt Ion: 98 Resp: 475967

Ion Ratio Lower Upper

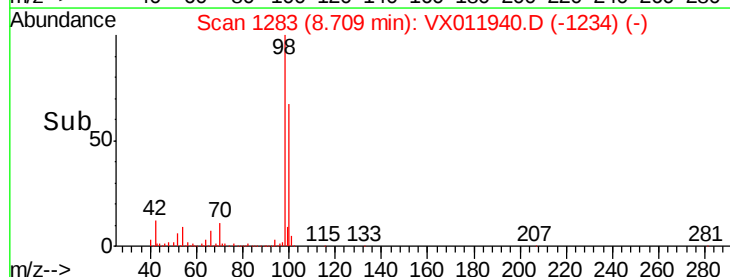
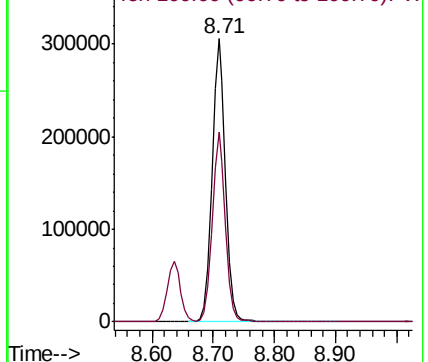
98 100

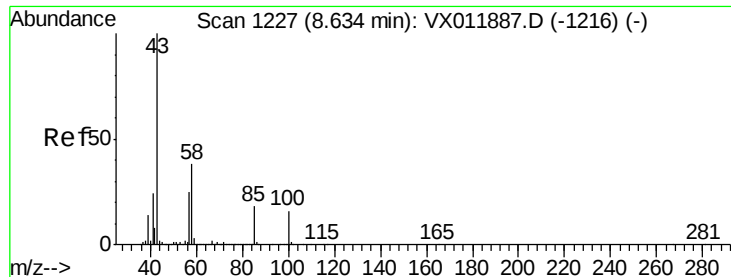
100 66.3 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 312.888 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

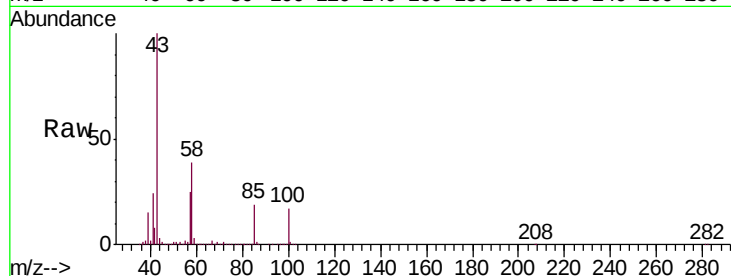
ClientSampled :

Tot Ion: 43 Resp: 600019

Ion Ratio Lower Upper

43 100

58 38.4 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

400000

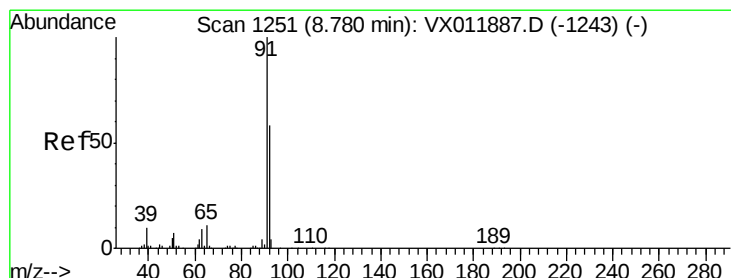
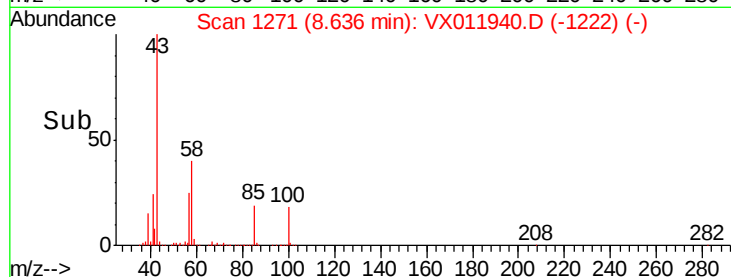
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.954 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX011940.D

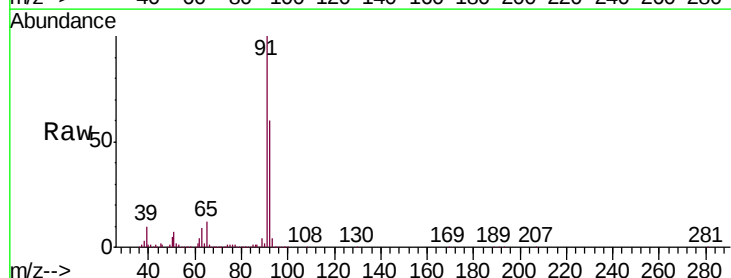
Acq: 31 Aug 2019 07:27

Tgt Ion: 92 Resp: 335129

Ion Ratio Lower Upper

92 100

91 169.2 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

400000

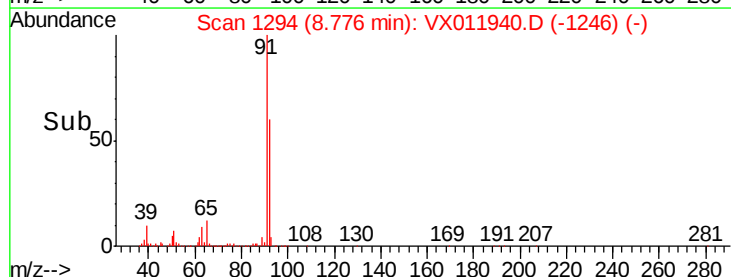
300000

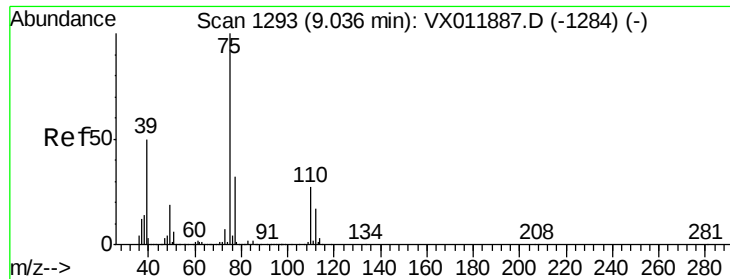
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.754 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

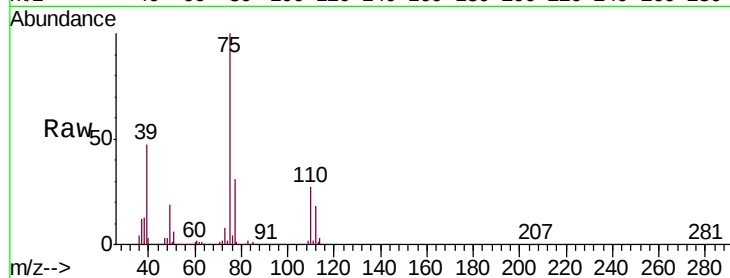
ClientSampled :

Tot Ion: 75 Resp: 191603

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

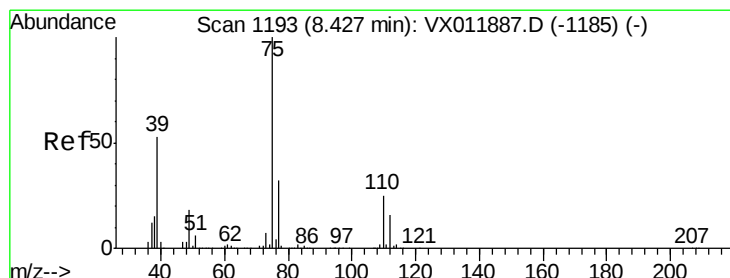
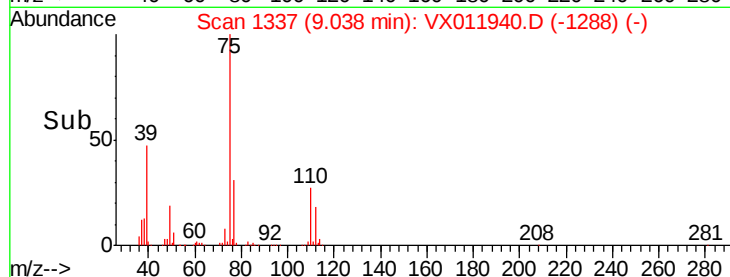
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.113 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

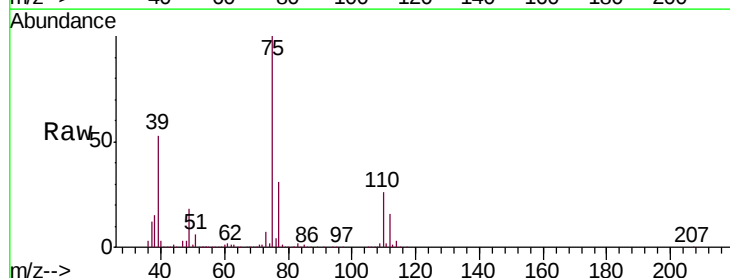
Tgt Ion: 75 Resp: 212419

Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 53.1 42.6 64.0



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

8.43

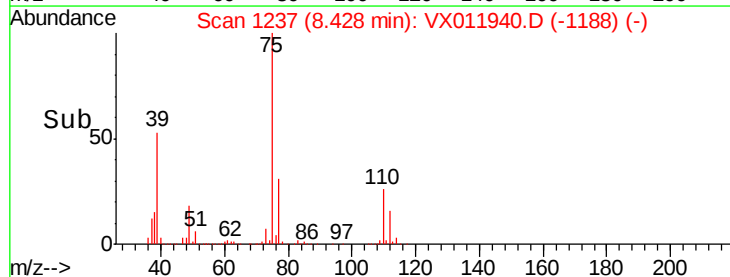
150000

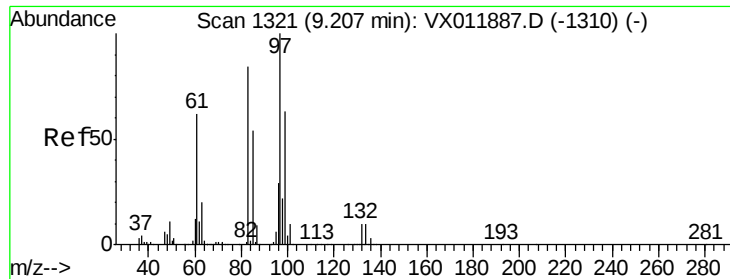
100000

50000

0

Time-->

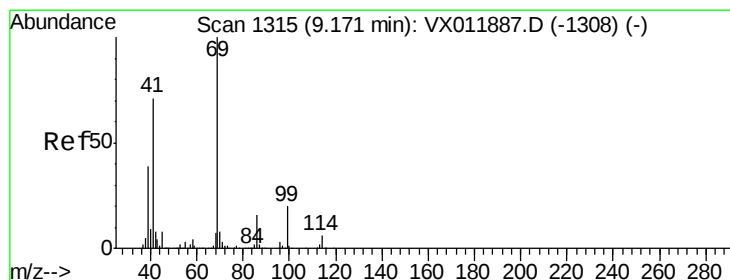
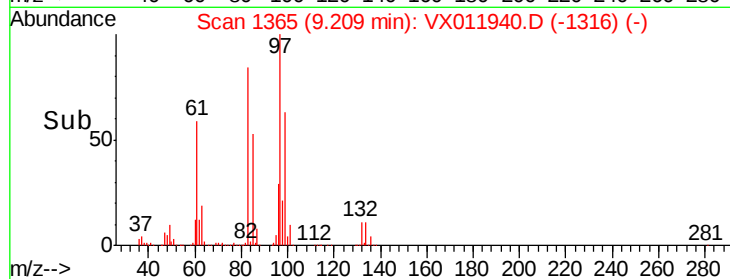
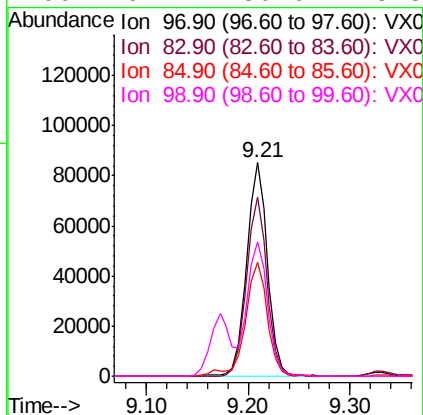
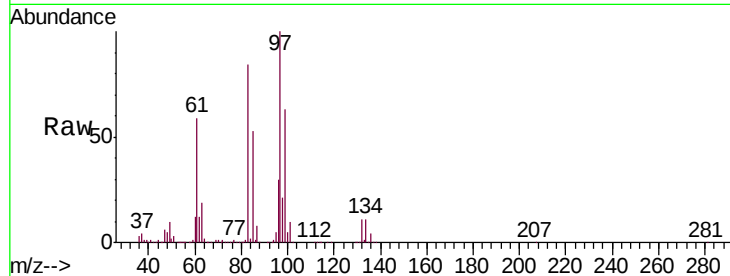




#55
 1,1,2-Trichloroethane
 Concen: 56.560 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

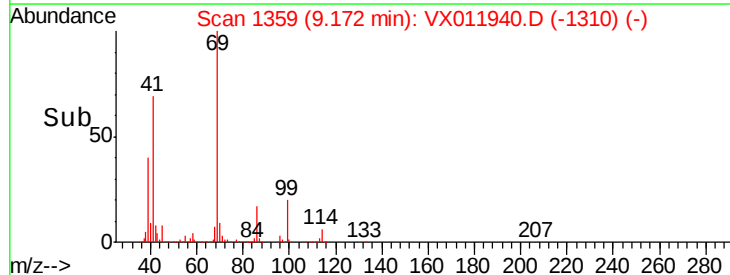
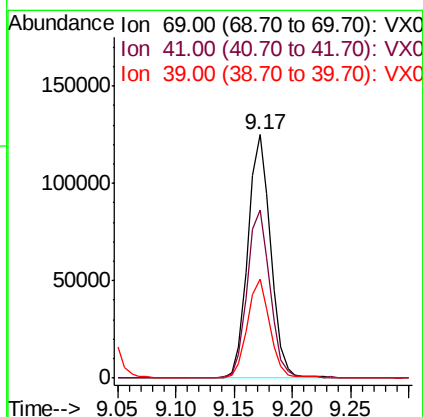
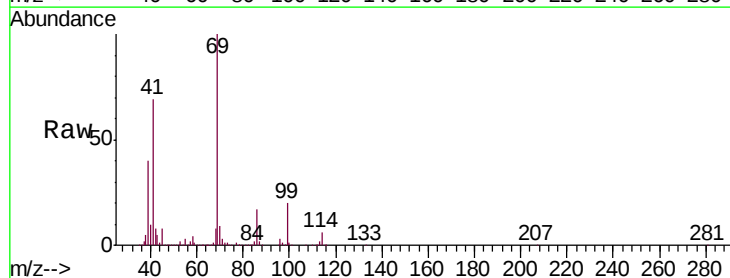
Instrument :
 MSVOA_X
 ClientSampleId :

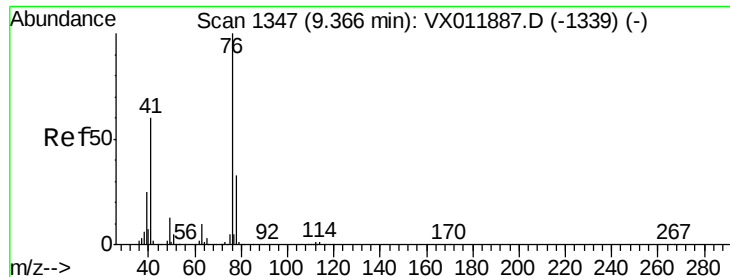
Tot Ion:	97	Resp:	120686
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.8	100.2
85	53.3	43.5	65.3
99	62.7	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 57.814 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion:	69	Resp:	171211
Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.8	83.8
39	39.8	31.1	46.7





#57

1,3-Dichloropropane

Concen: 57.539 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

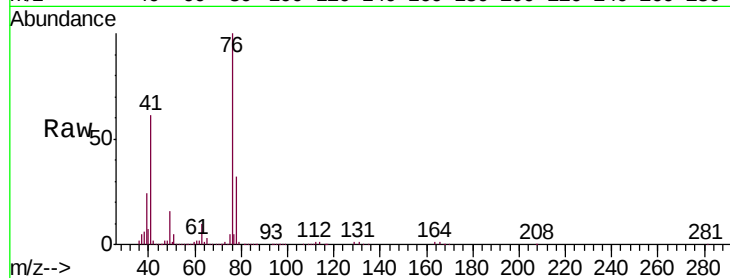
ClientSampleId :

Tot Ion: 76 Resp: 203782

Ion Ratio Lower Upper

76 100

78 31.9 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

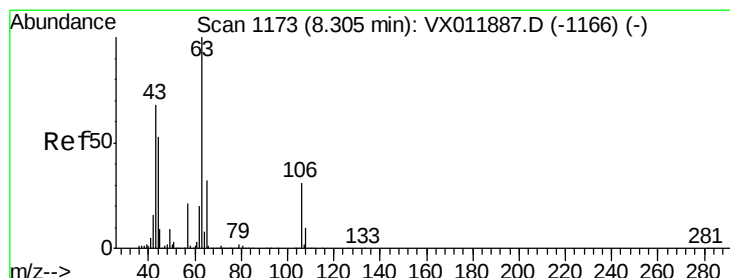
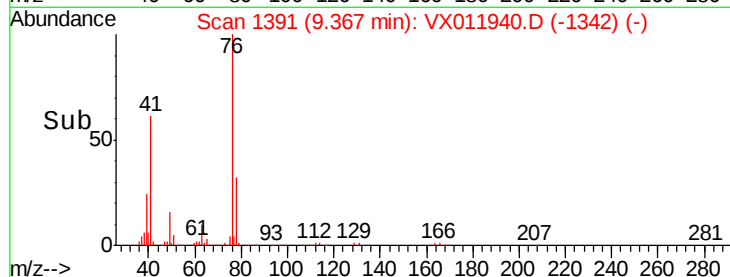
150000

100000

50000

0

Time--> 9.20 9.30 9.40 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 286.550 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011940.D

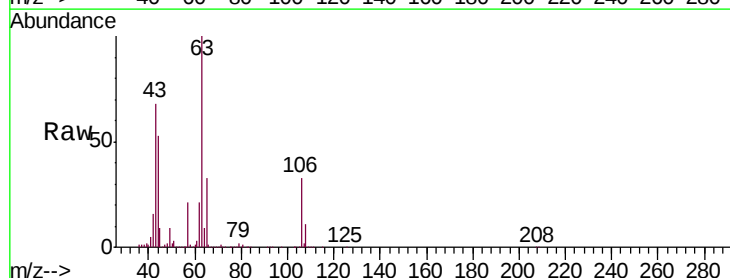
Acq: 31 Aug 2019 07:27

Tgt Ion: 63 Resp: 404181

Ion Ratio Lower Upper

63 100

106 31.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

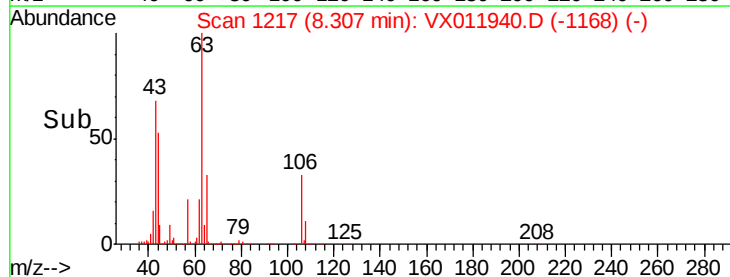
150000

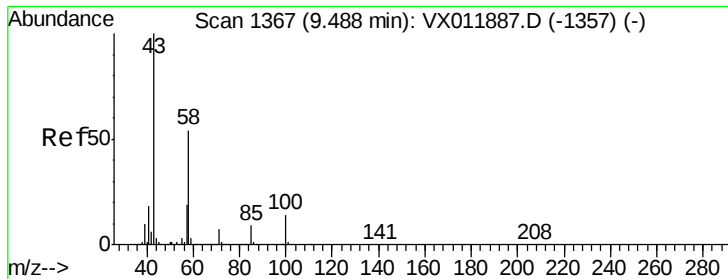
100000

50000

0

Time--> 8.20 8.25 8.30 8.35 8.40

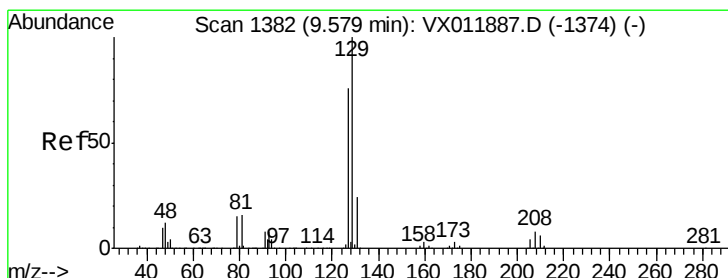
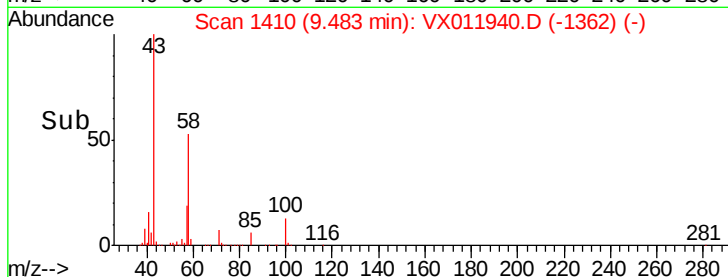
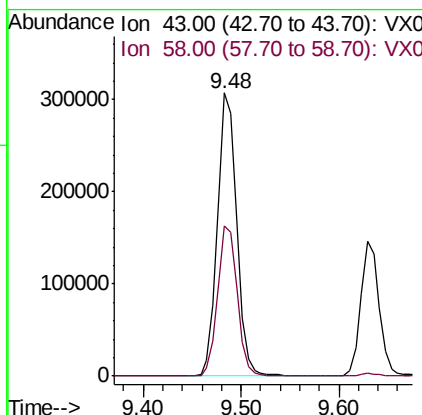
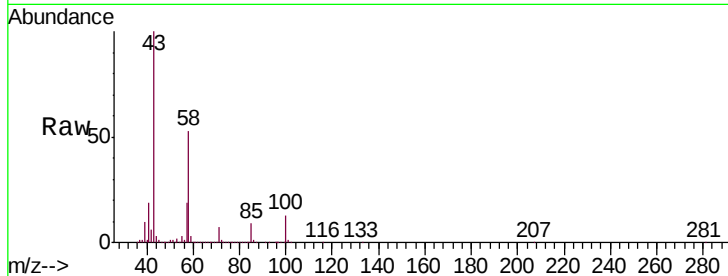




#59
2-Hexanone
Concen: 310.308 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

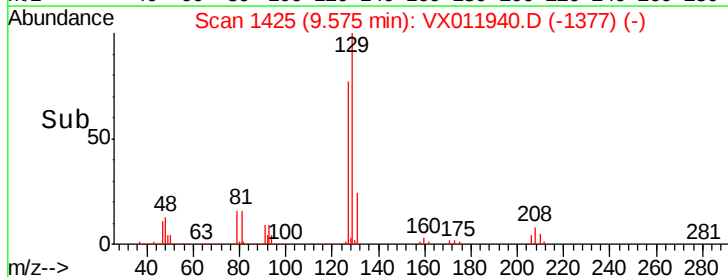
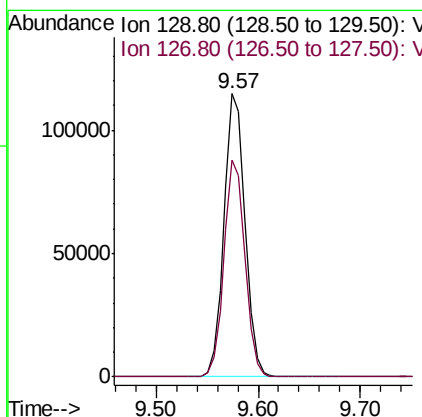
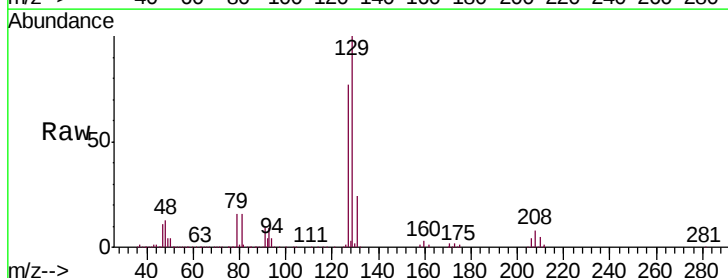
Instrument :
MSVOA_X
ClientSampleId :

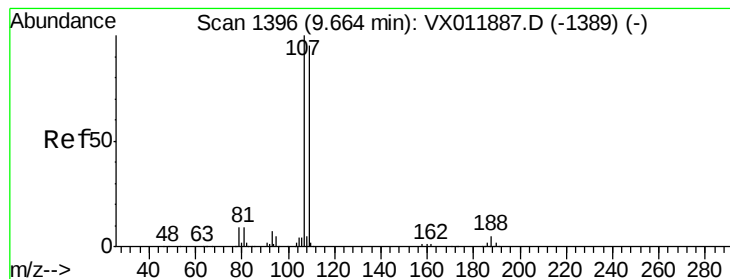
Tot Ion: 43 Resp: 422701
Ion Ratio Lower Upper
43 100
58 54.1 26.8 80.4



#60
Dibromochloromethane
Concen: 57.242 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 129 Resp: 164048
Ion Ratio Lower Upper
129 100
127 76.5 38.6 115.7





#61

1,2-Dibromoethane

Concen: 58.871 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

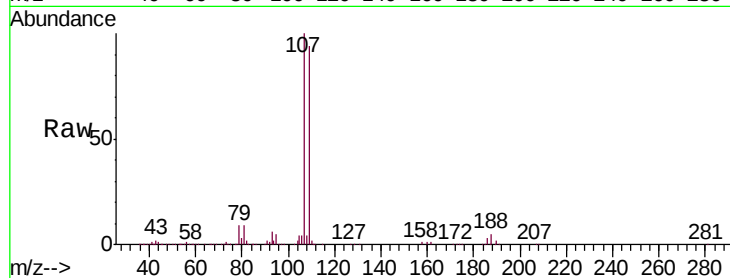
ClientSampleId :

Tot Ion:107 Resp: 124544

Ion Ratio Lower Upper

107 100

109 94.2 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

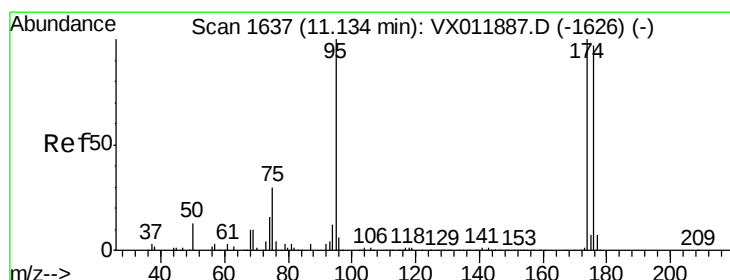
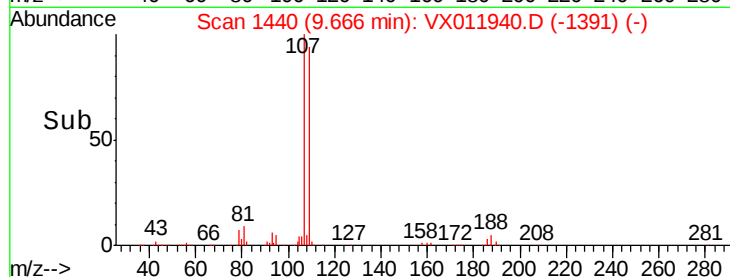
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.997 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

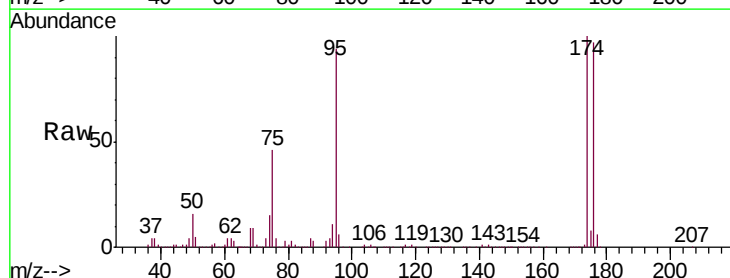
Tgt Ion: 95 Resp: 199597

Ion Ratio Lower Upper

95 100

174 99.5 0.0 196.0

176 97.2 0.0 191.4



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

200000

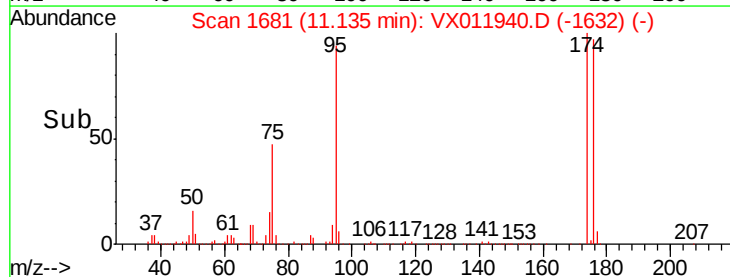
150000

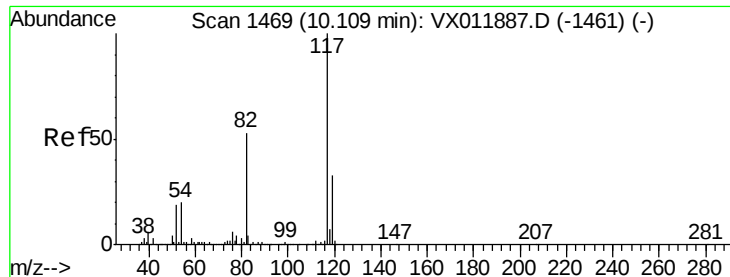
100000

50000

0

Time-->

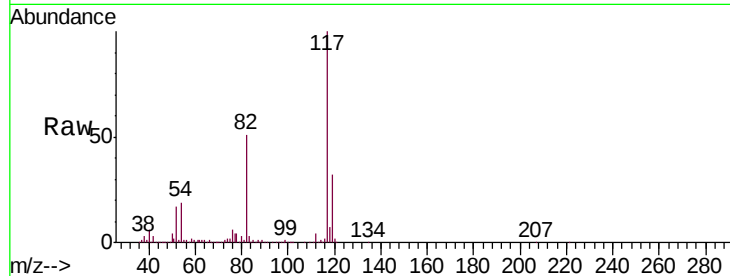




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.0	63.0
119	32.2	26.2	39.4

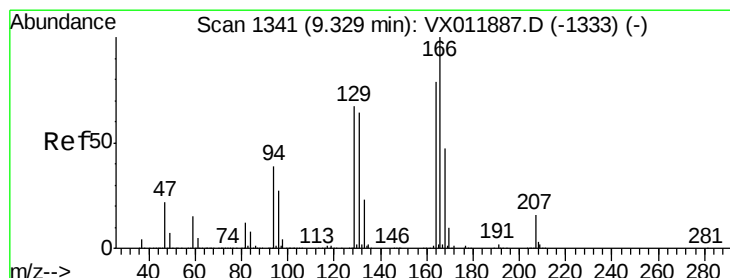
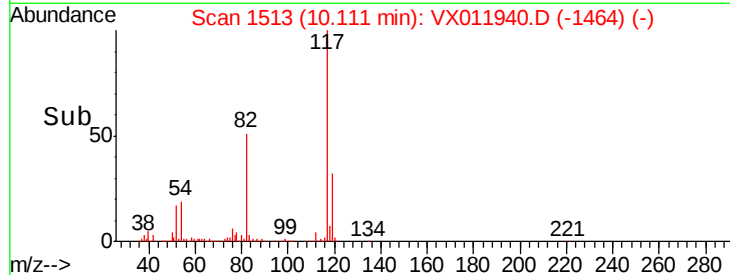
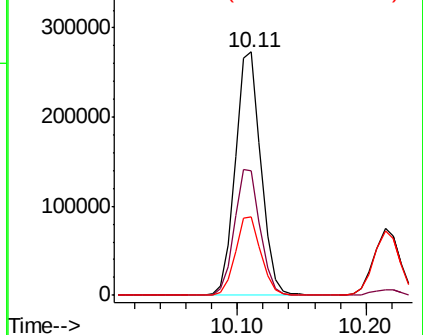


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 60.846 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.4	152.0
129	82.0	68.0	102.0
131	79.1	64.7	97.1

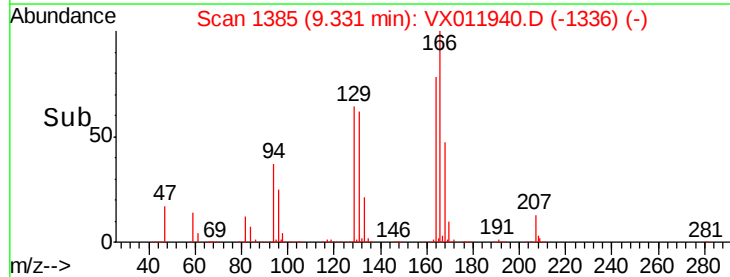
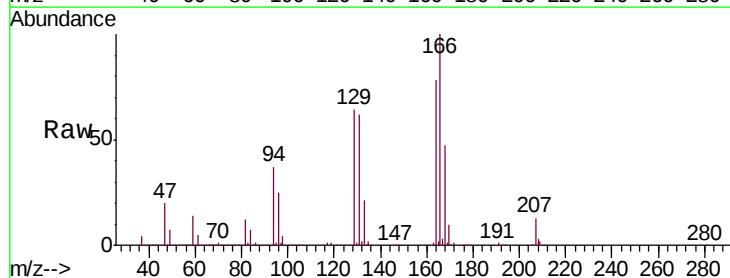
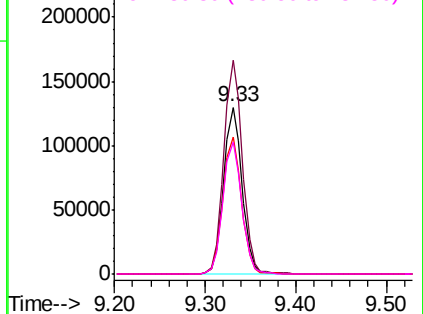
Abundance

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: 54.205 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

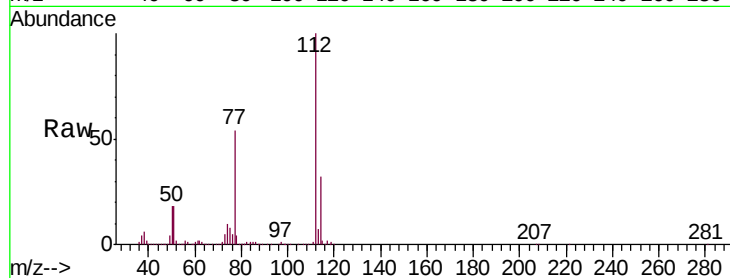
ClientSampleId :

Tot Ion:112 Resp: 396338

Ion Ratio Lower Upper

112 100

114 32.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

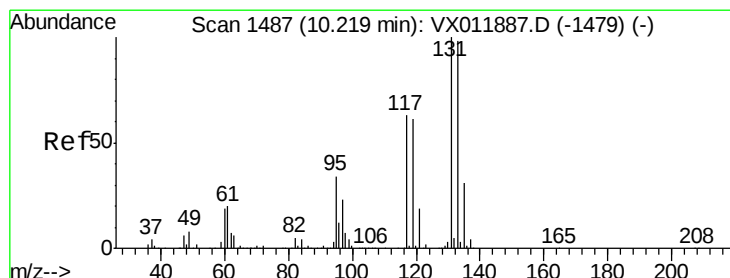
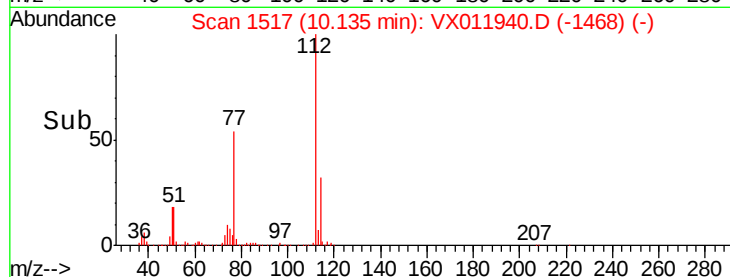
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.787 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

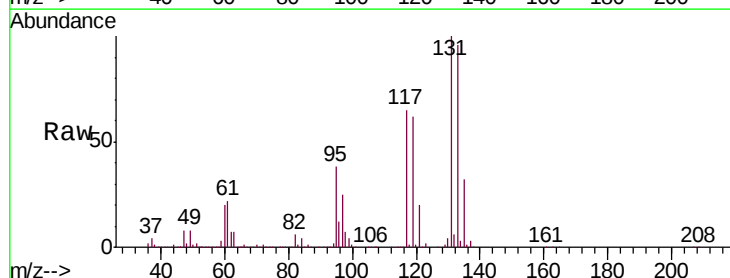
Tgt Ion:131 Resp: 161994

Ion Ratio Lower Upper

131 100

133 96.7 48.4 145.0

119 61.1 30.6 92.0



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

10.21

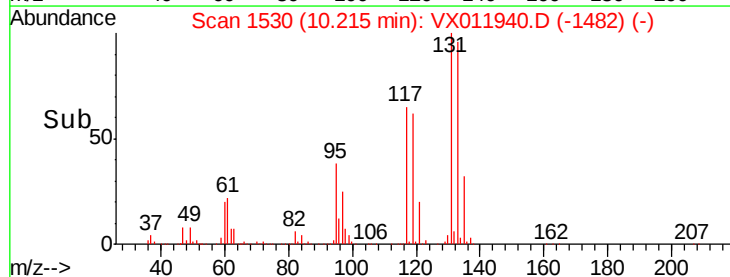
150000

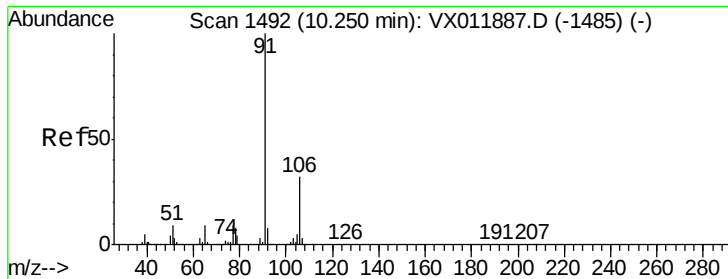
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 52.947 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

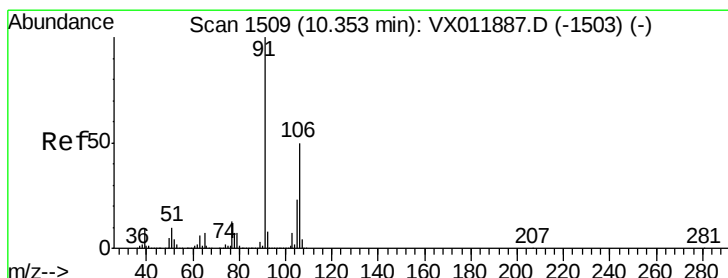
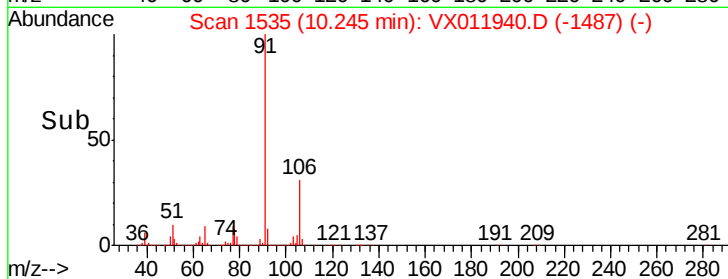
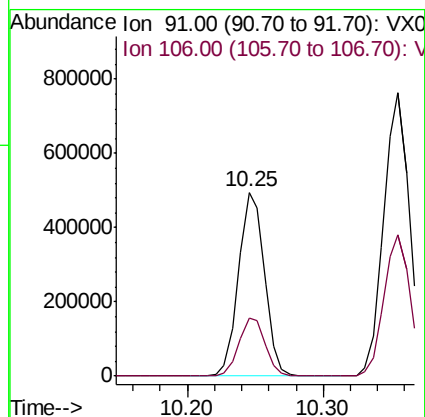
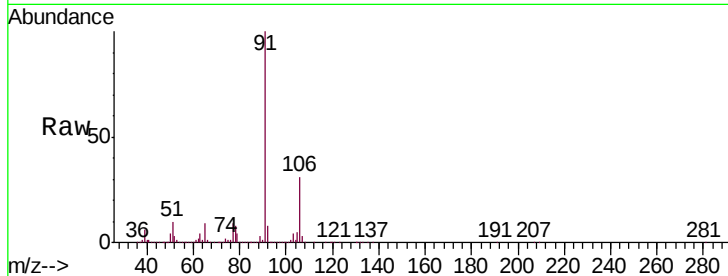
ClientSampleId :

Tot Ion: 91 Resp: 658524

Ion Ratio Lower Upper

91 100

106 31.4 25.8 38.8



#68

m/p-Xylenes

Concen: 106.125 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011940.D

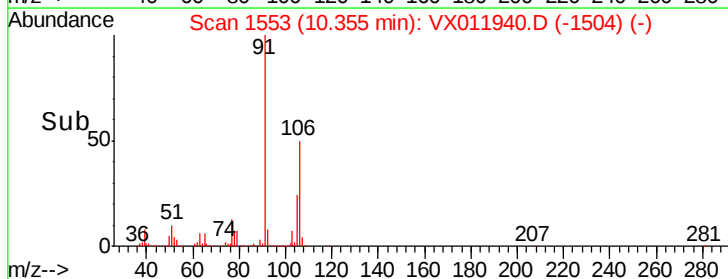
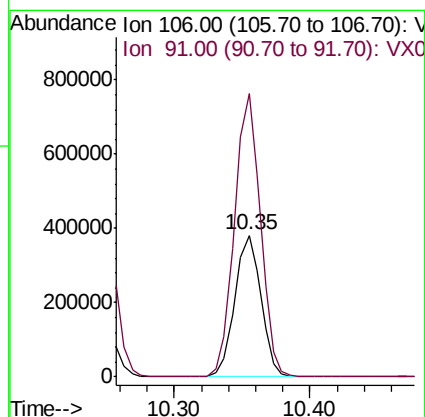
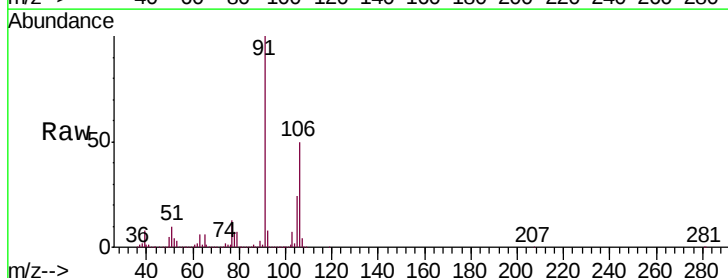
Acq: 31 Aug 2019 07:27

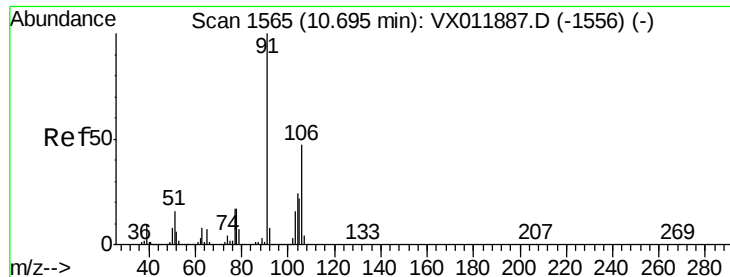
Tgt Ion: 106 Resp: 509673

Ion Ratio Lower Upper

106 100

91 198.5 158.6 237.8

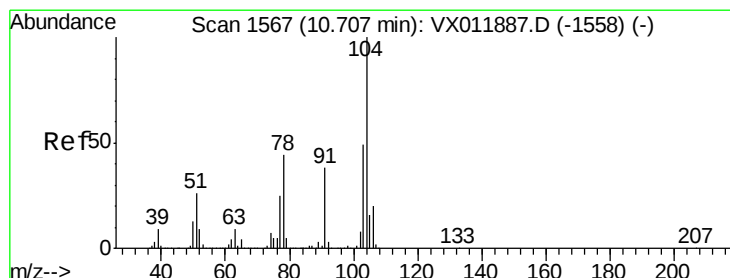
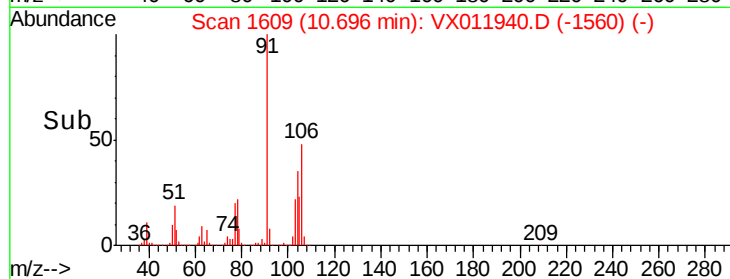
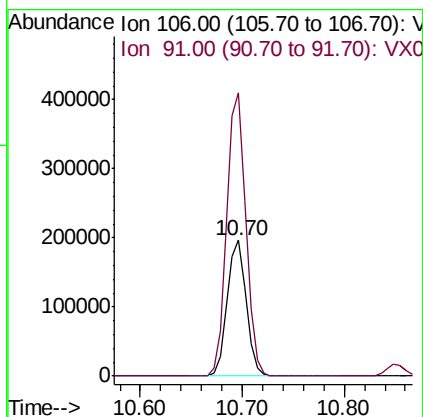
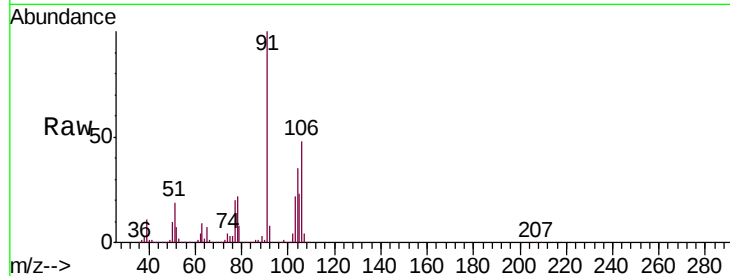




#69
o-Xylene
Concen: 53.517 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

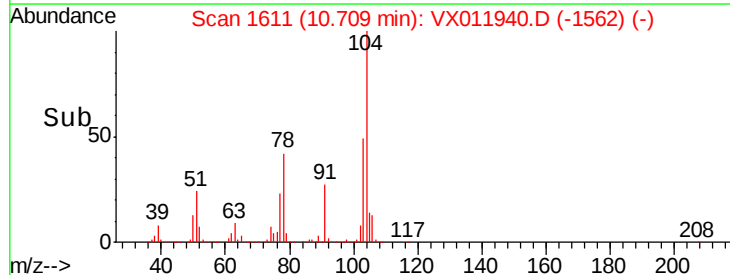
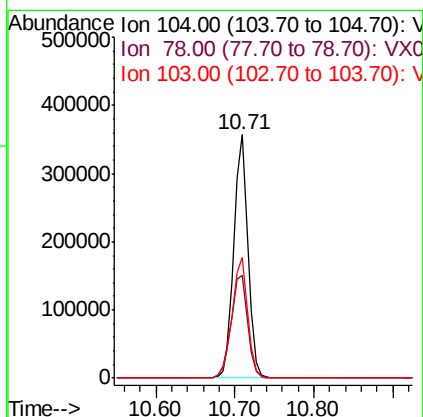
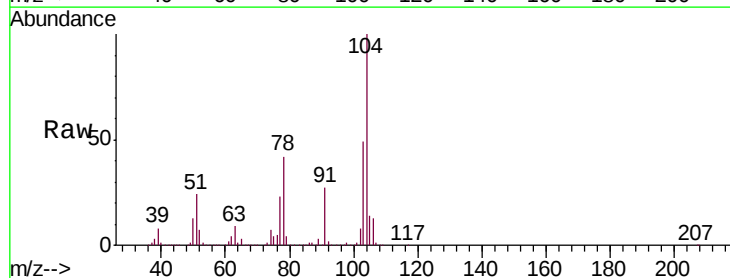
Instrument :
MSVOA_X
ClientSampleId :

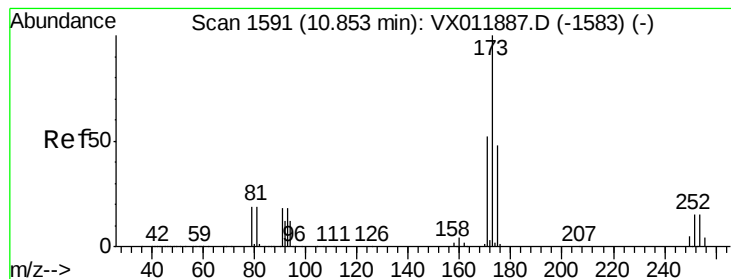
Tot Ion:106 Resp: 250458
Ion Ratio Lower Upper
106 100
91 210.5 104.8 314.6



#70
Styrene
Concen: 54.674 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion:104 Resp: 450993
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 54.0 43.0 64.6





#71

Bromoform

Concen: 59.555 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

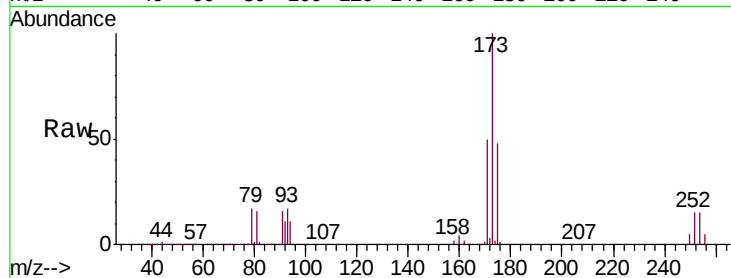
Tot Ion:173 Resp: 124516

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.2

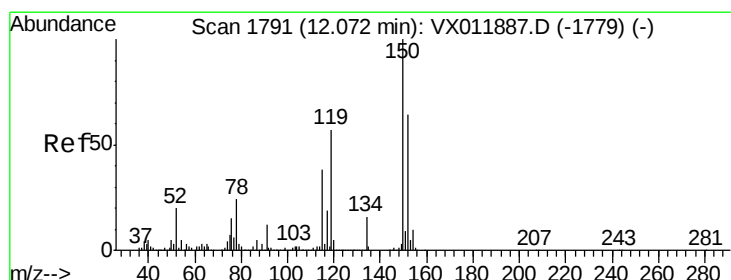
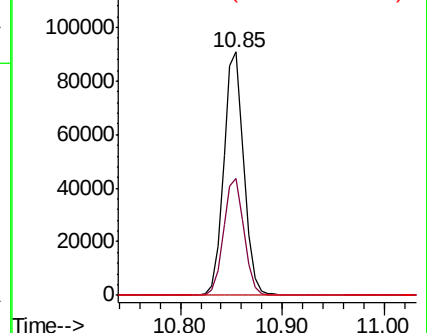
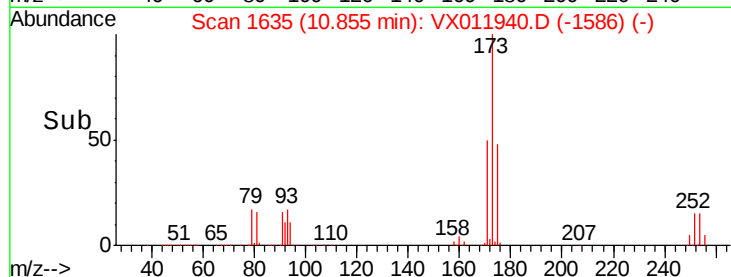
254 0.1 0.1 0.1#



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: VX011940.D

Acq: 31 Aug 2019 07:27

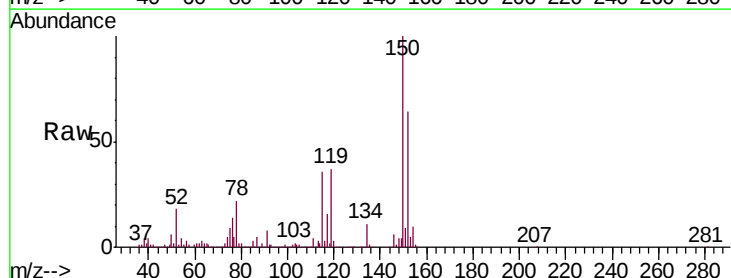
Tgt Ion:152 Resp: 225796

Ion Ratio Lower Upper

152 100

115 74.0 37.1 111.3

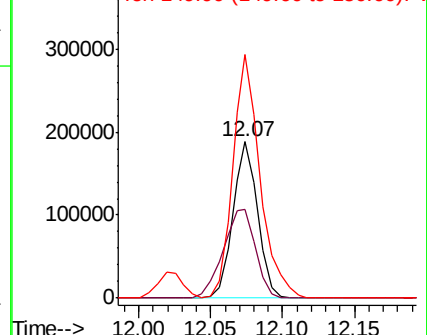
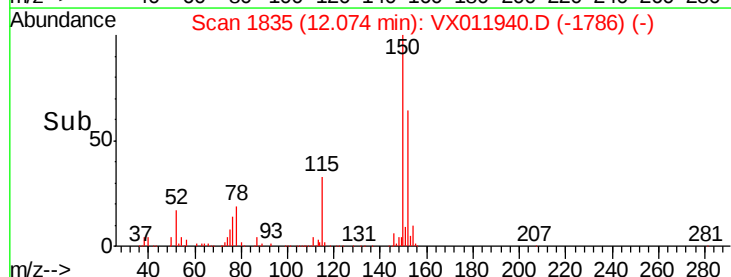
150 171.5 0.0 339.6

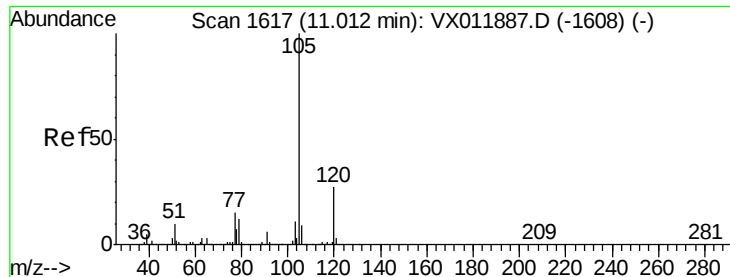


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.763 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

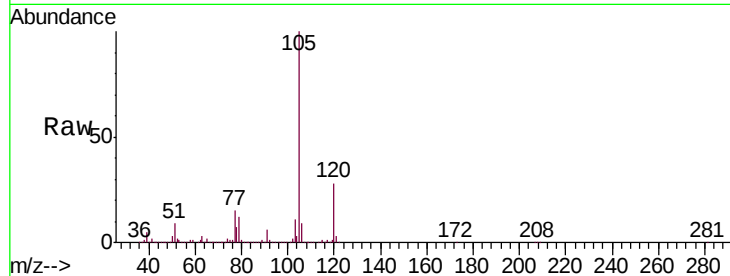
ClientSampleId :

Tot Ion:105 Resp: 671556

Ion Ratio Lower Upper

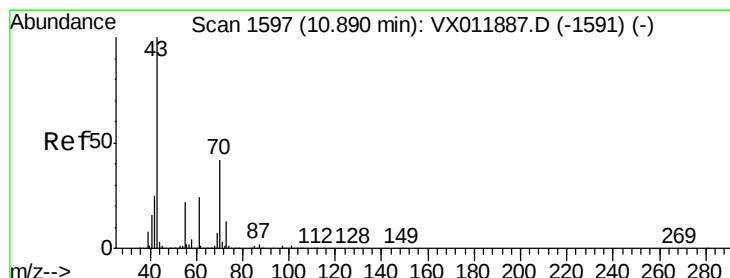
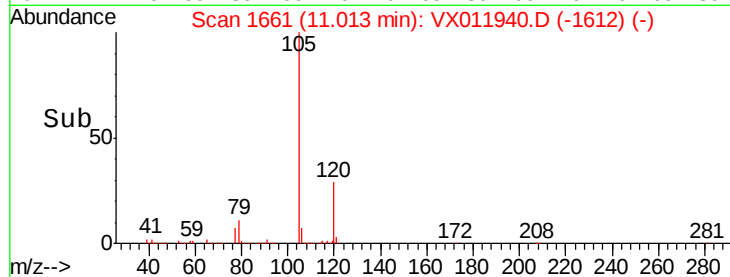
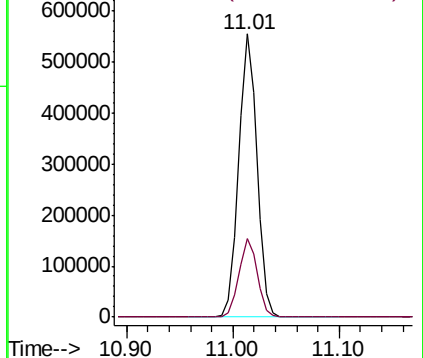
105 100

120 27.7 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.581 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Tgt Ion: 43 Resp: 206295

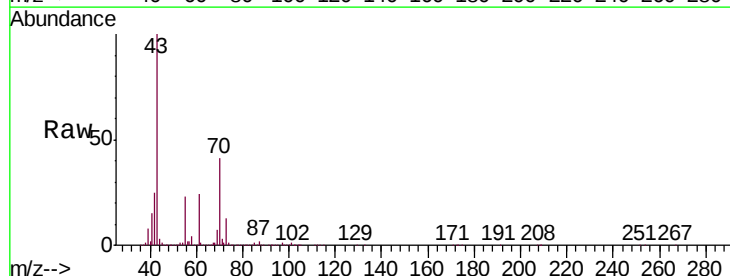
Ion Ratio Lower Upper

43 100

70 42.5 0.2 0.2#

55 22.7 0.1 0.1#

61 23.9 16.4 24.6

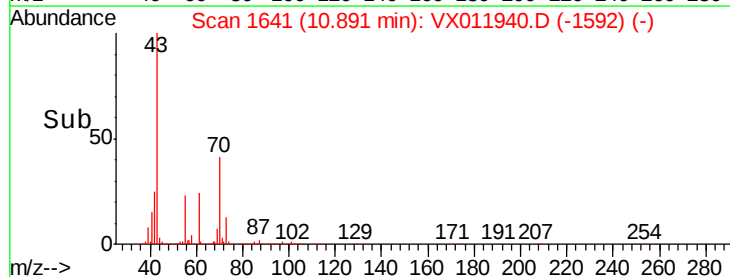
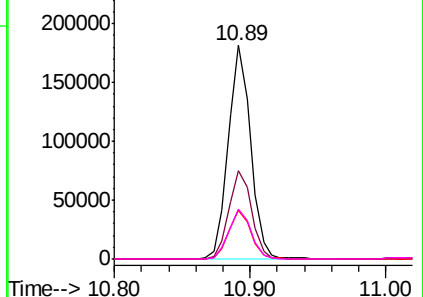


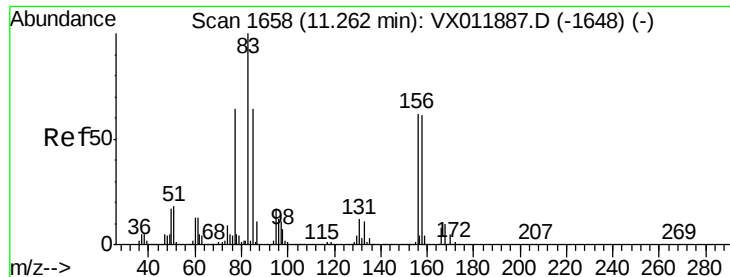
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 57.138 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

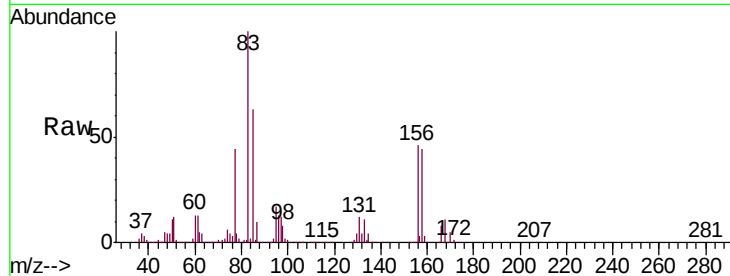
Tot Ion: 83 Resp: 151712

Ion Ratio Lower Upper

83 100

131 12.2 6.0 18.0

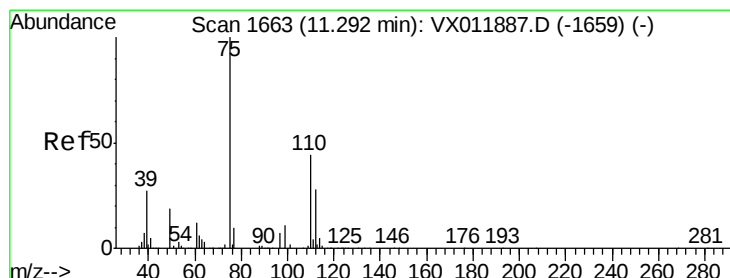
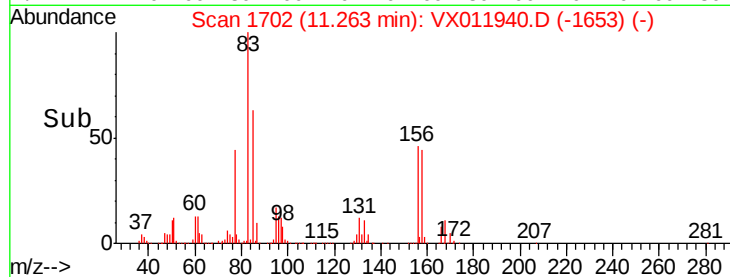
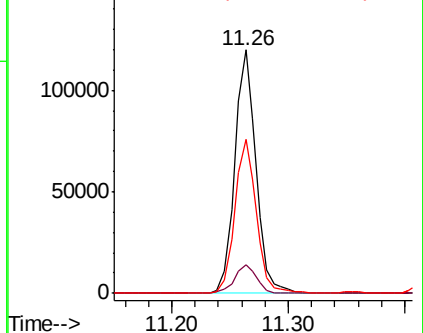
85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 72.253 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011940.D

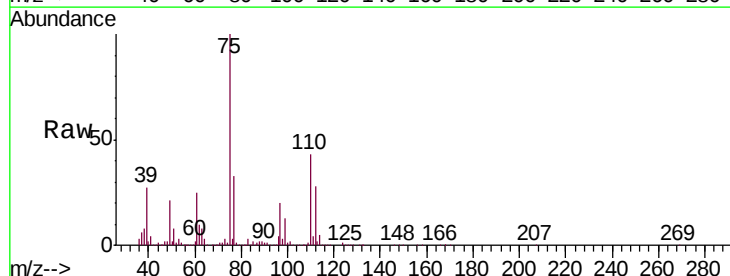
Acq: 31 Aug 2019 07:27

Tgt Ion: 75 Resp: 160486

Ion Ratio Lower Upper

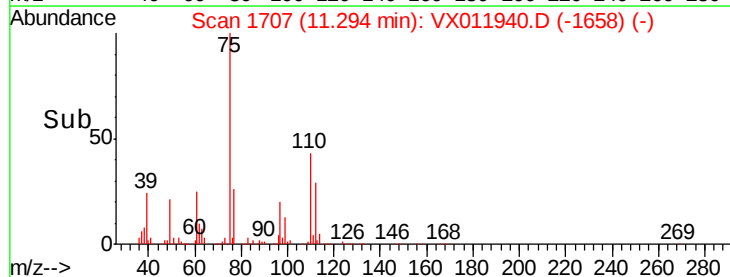
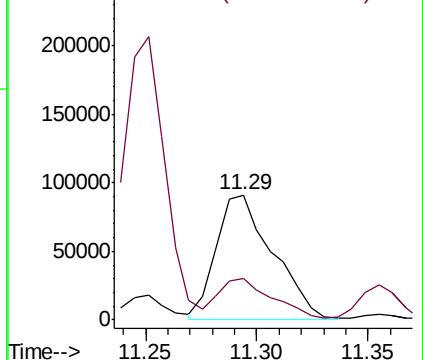
75 100

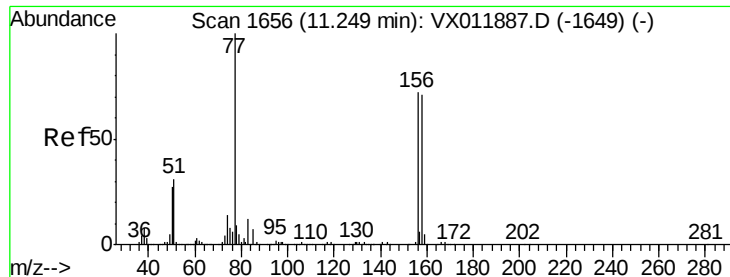
77 31.4 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 54.057 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

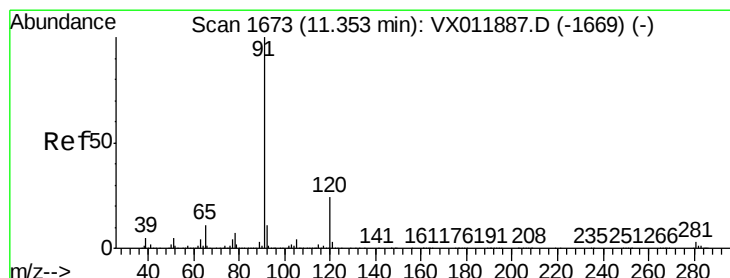
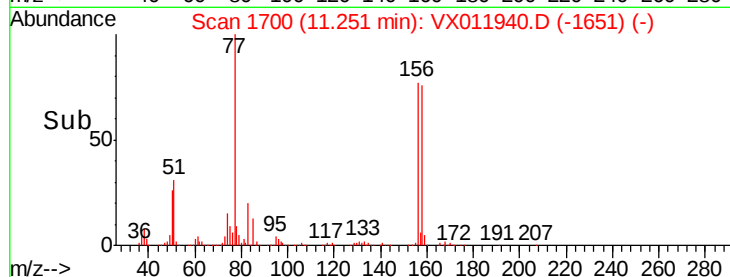
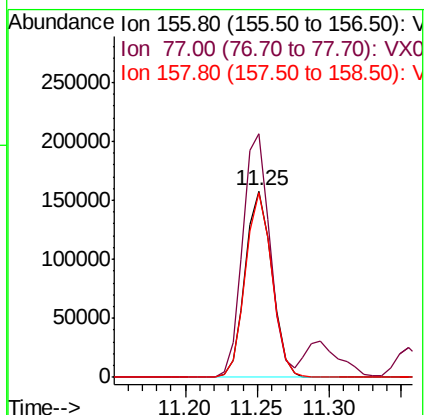
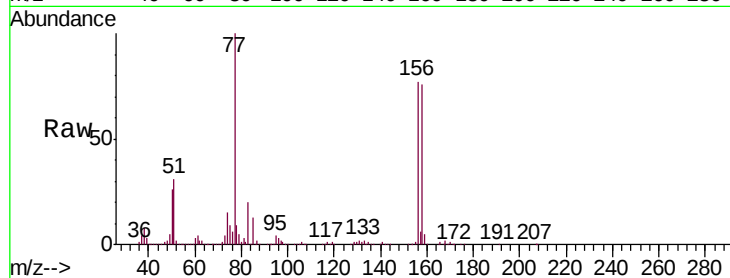
Tot Ion:156 Resp: 203401

Ion Ratio Lower Upper

156 100

77 133.4 68.1 204.3

158 98.0 48.9 146.8



#78

n-propylbenzene

Concen: 51.685 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011940.D

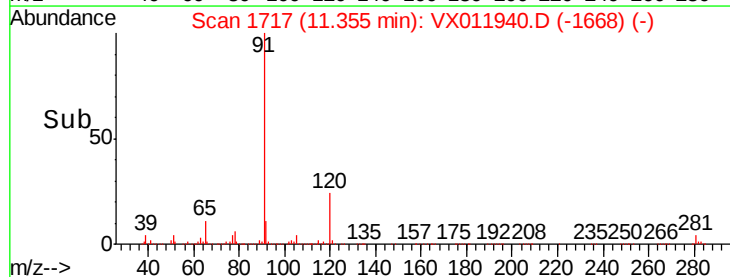
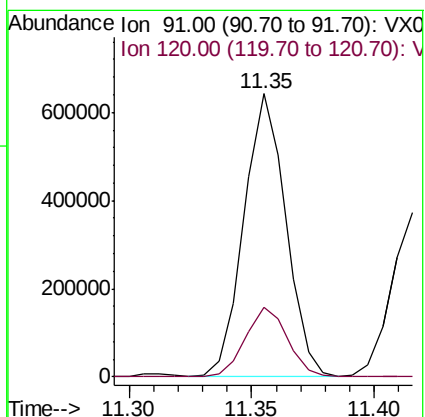
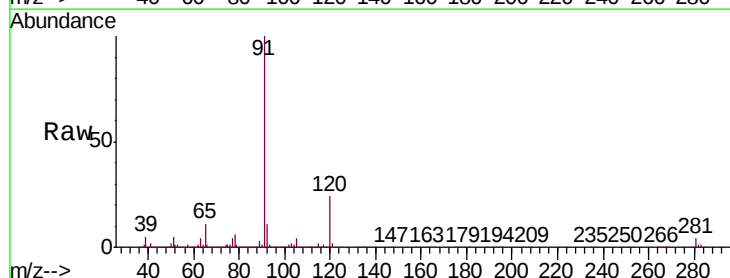
Acq: 31 Aug 2019 07:27

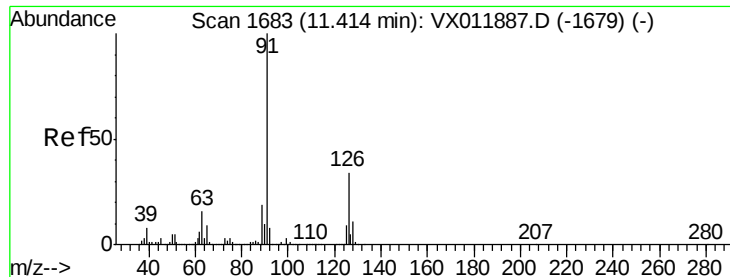
Tgt Ion: 91 Resp: 760374

Ion Ratio Lower Upper

91 100

120 24.7 12.3 36.9





#79

2-Chlorotoluene

Concen: 52.222 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

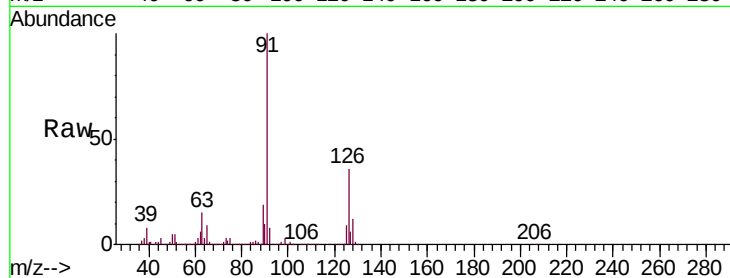
ClientSampleId :

Tot Ion: 91 Resp: 462443

Ion Ratio Lower Upper

91 100

126 36.7 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011887.D (-1679) (-)

600000

400000

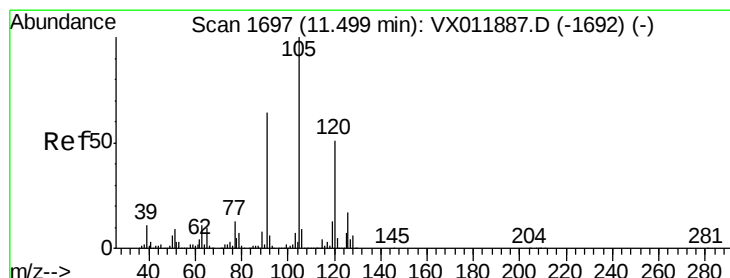
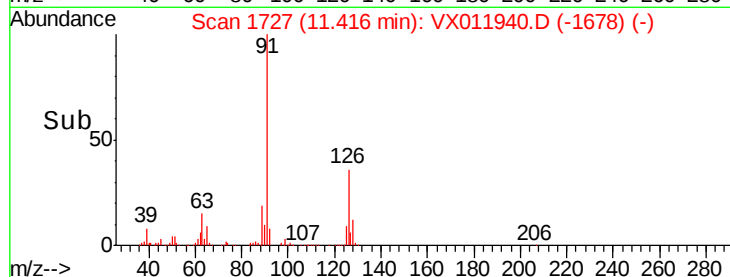
200000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.913 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011940.D

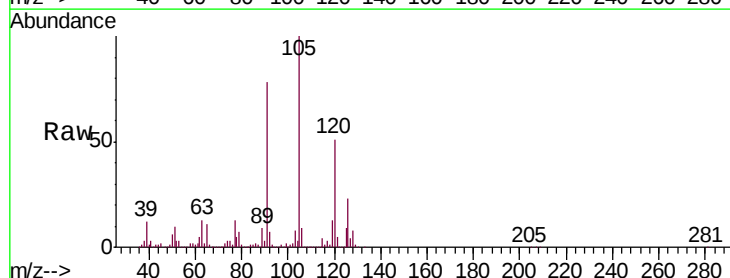
Acq: 31 Aug 2019 07:27

Tgt Ion: 105 Resp: 581335

Ion Ratio Lower Upper

105 100

120 51.2 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011887.D (-1692) (-)

500000

400000

300000

200000

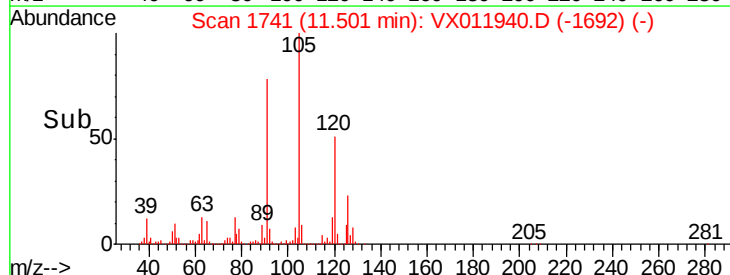
100000

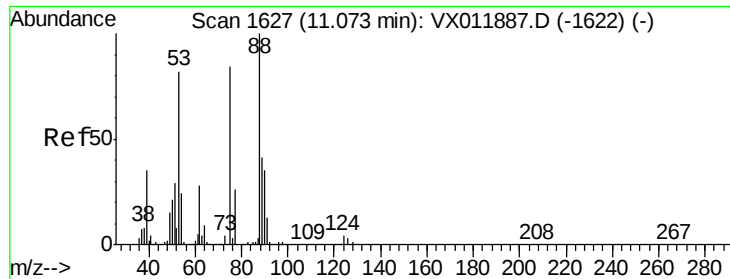
0

11.50

11.60

Time-->

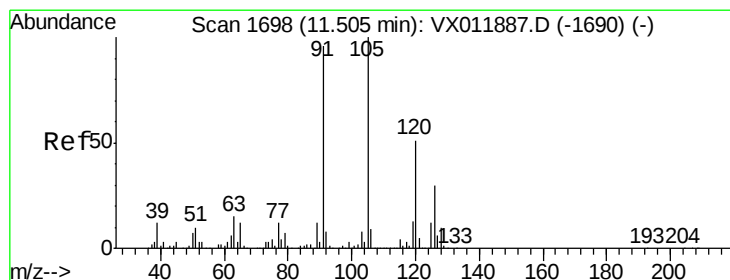
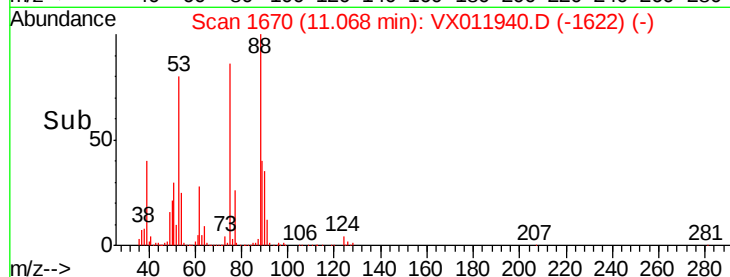
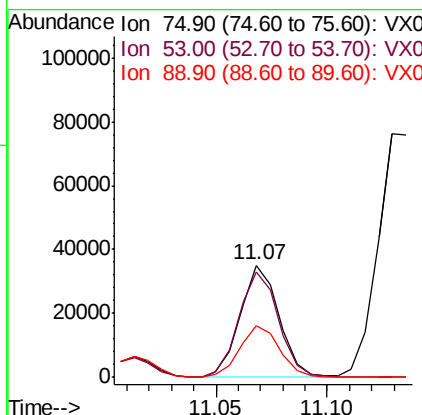
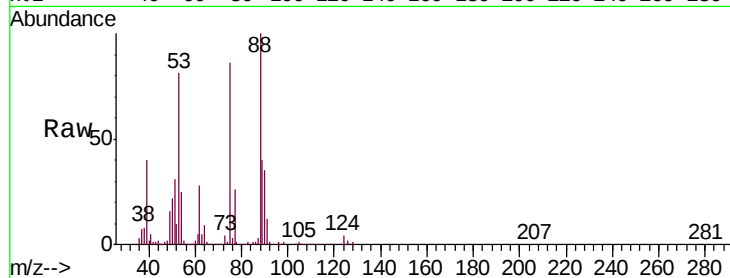




#81
trans-1,4-Dichloro-2-butene
Concen: 48.182 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

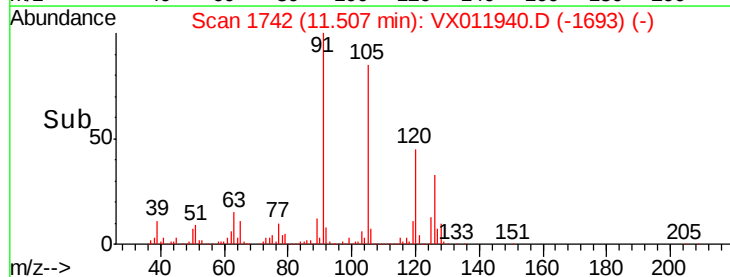
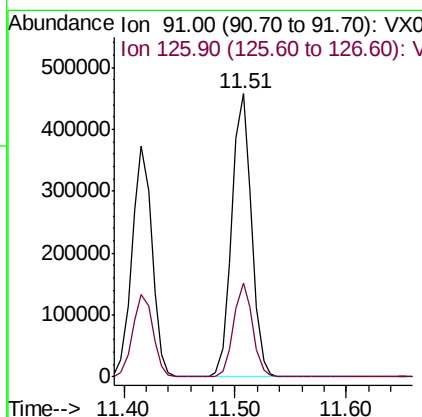
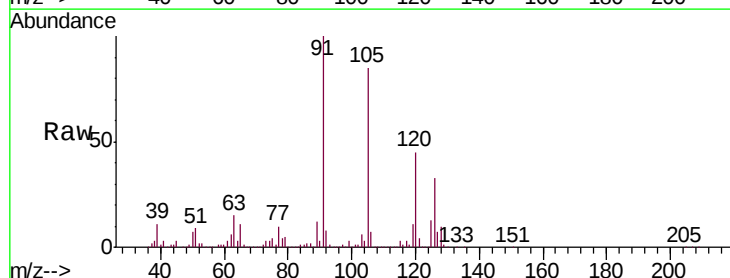
Instrument :
MSVOA_X
ClientSampleId :

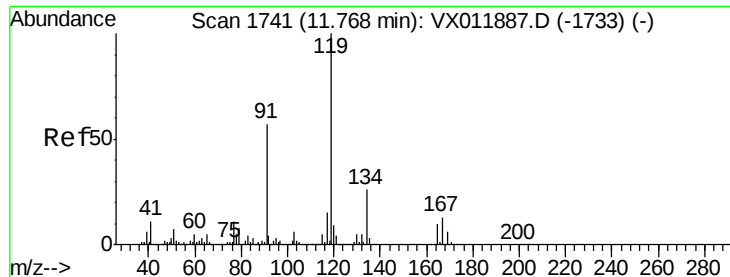
Tot Ion: 75 Resp: 42601
Ion Ratio Lower Upper
75 100
53 95.9 77.1 115.7
89 47.8 38.2 57.2



#82
4-Chlorotoluene
Concen: 52.374 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011940.D
Acq: 31 Aug 2019 07:27

Tgt Ion: 91 Resp: 559509
Ion Ratio Lower Upper
91 100
126 32.0 15.9 47.6

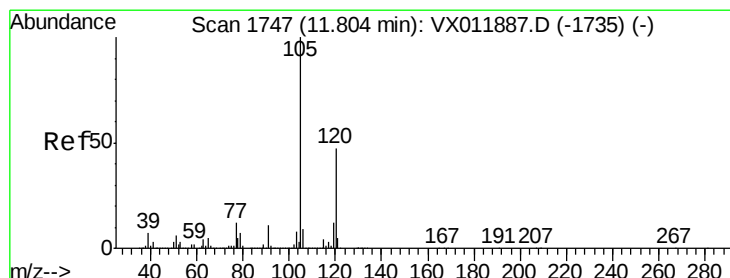
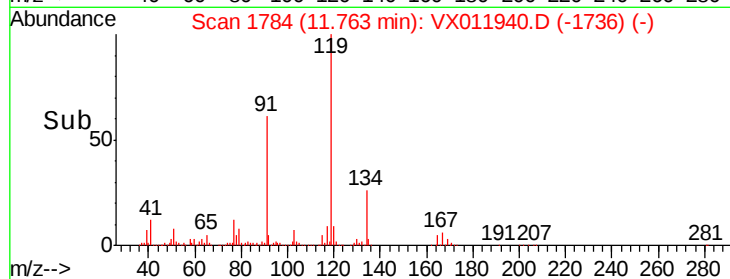
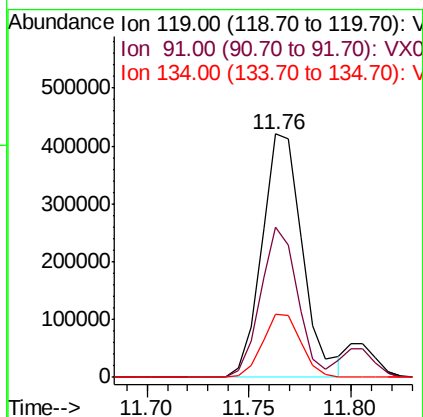
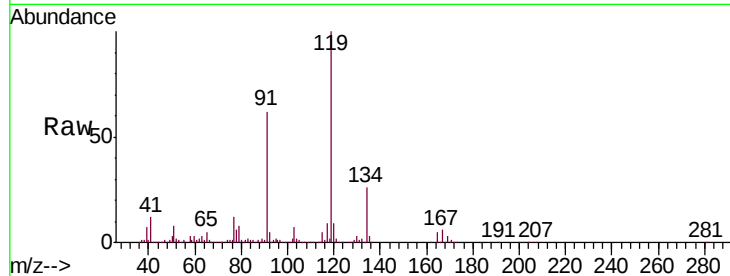




#83
 tert-Butylbenzene
 Concen: 51.274 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

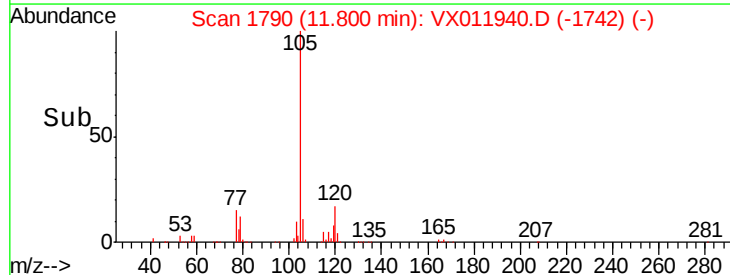
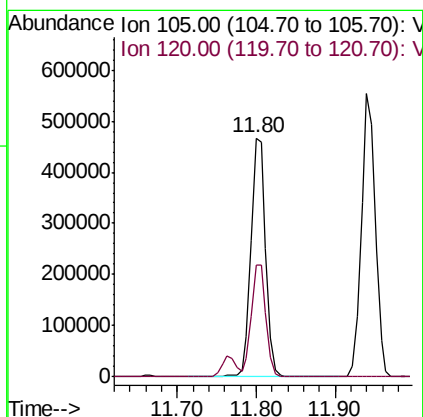
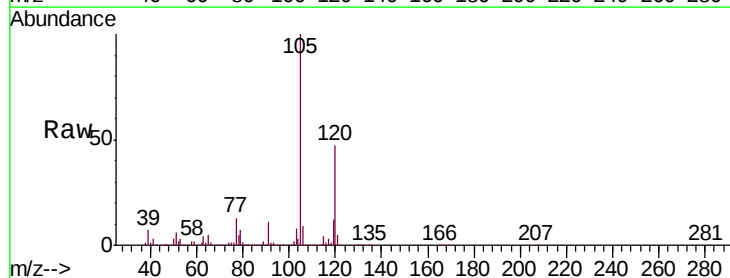
Instrument :
 MSVOA_X
 ClientSampled :

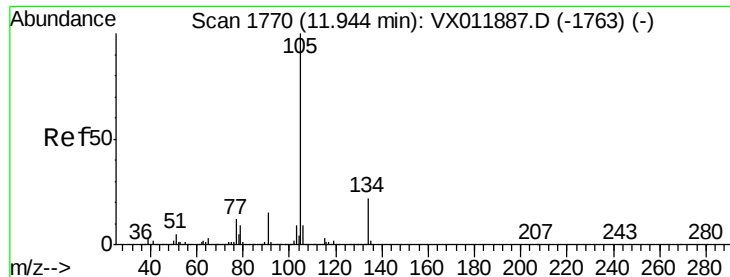
Tot Ion:119 Resp: 582625
 Ion Ratio Lower Upper
 119 100
 91 56.5 27.9 83.6
 134 24.6 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.363 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion:105 Resp: 600940
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3





#85

sec-Butylbenzene

Concen: 51.511 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

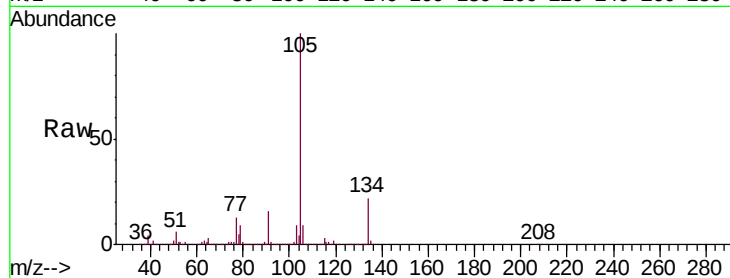
ClientSampleId :

Tot Ion:105 Resp: 679846

Ion Ratio Lower Upper

105 100

134 22.2 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

500000

400000

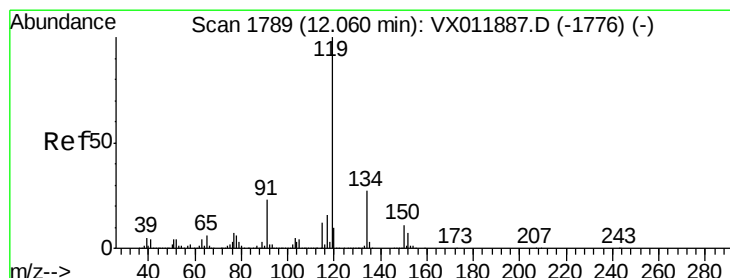
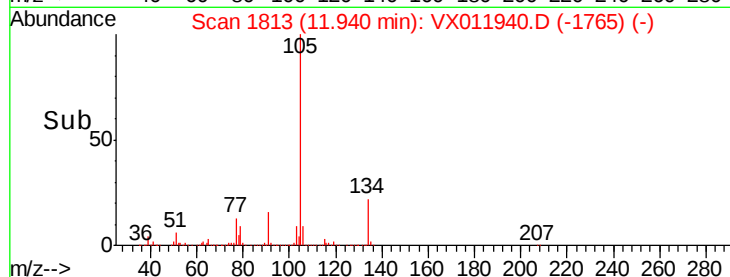
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.557 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

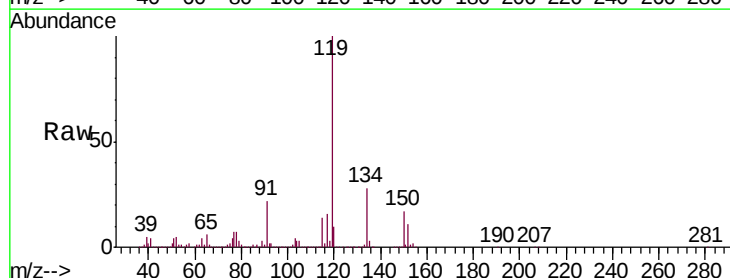
Tgt Ion:119 Resp: 659815

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 23.1 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

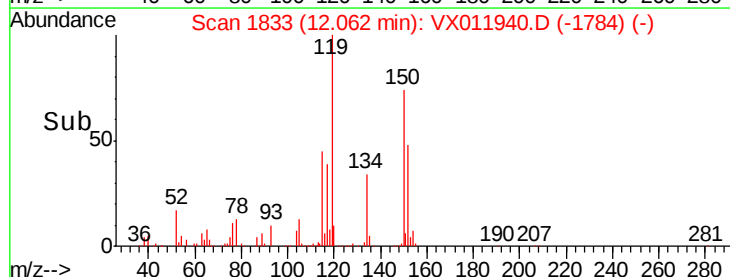
600000

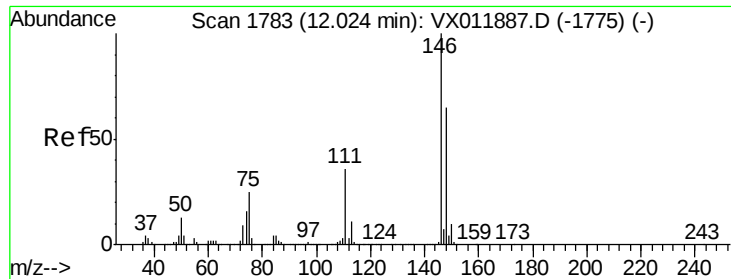
400000

200000

0

Time-->

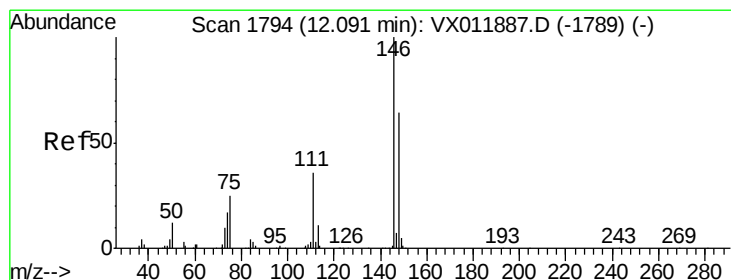
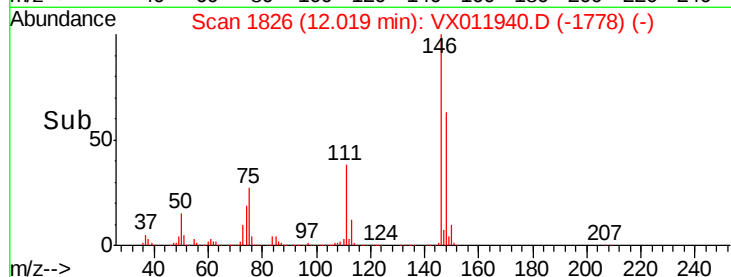
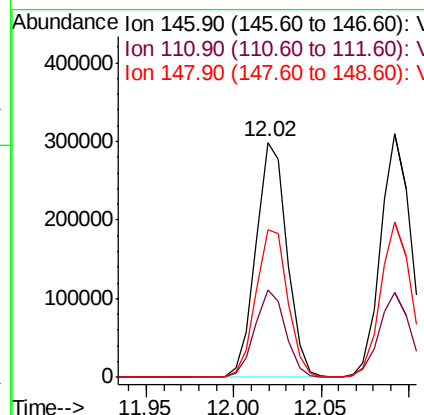
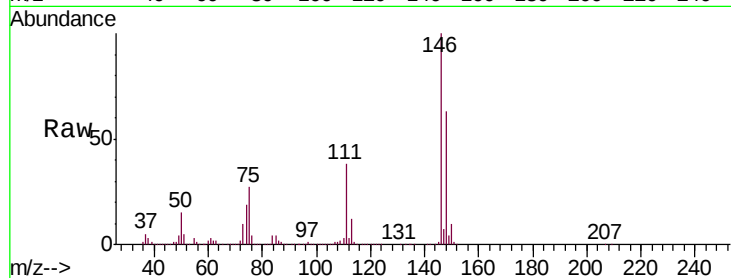




#87
 1,3-Dichlorobenzene
 Concen: 52.942 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

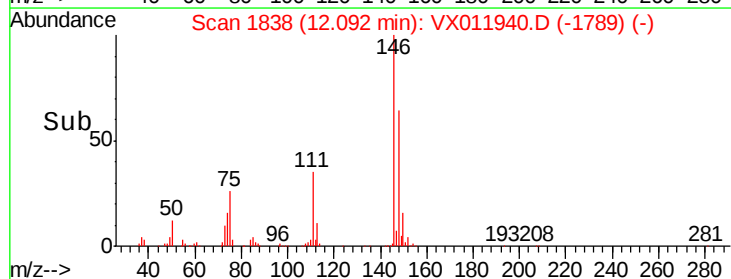
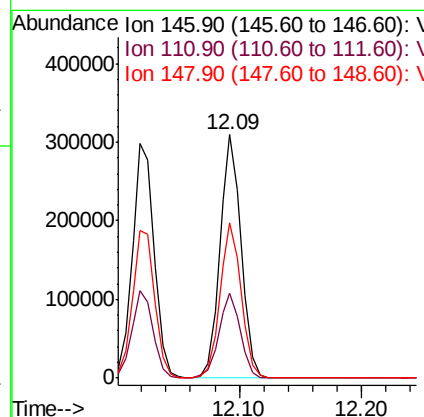
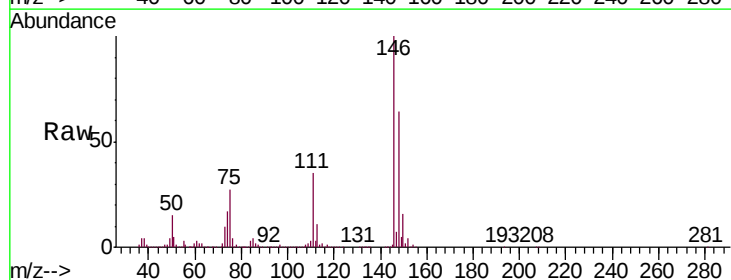
Instrument :
 MSVOA_X
 ClientSampleId :

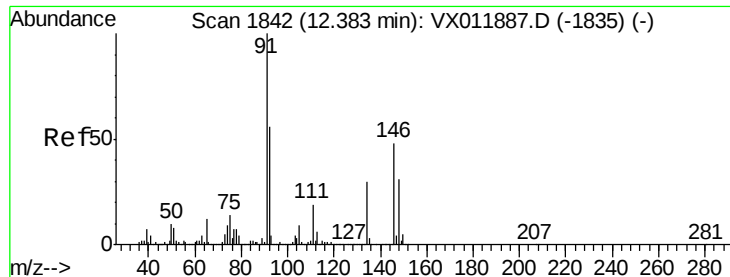
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	64.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 52.790 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	17.9	53.7
148	64.1	32.4	97.0





#89

n-Butylbenzene

Concen: 50.358 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

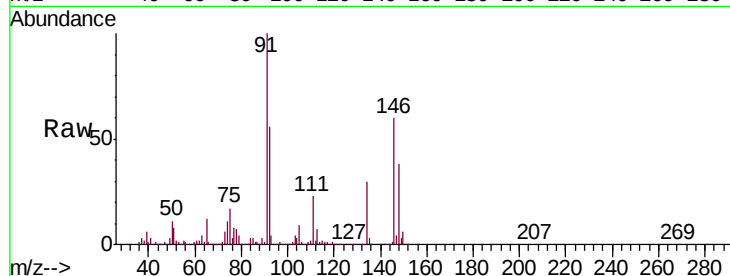
Tot Ion: 91 Resp: 570174

Ion Ratio Lower Upper

91 100

92 55.1 27.6 82.8

134 29.4 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1835) (-)

Ion 92.00 (91.70 to 92.70): VX011887.D (-1835) (-)

Ion 134.00 (133.70 to 134.70): VX011887.D (-1835) (-)

12.39

500000

400000

300000

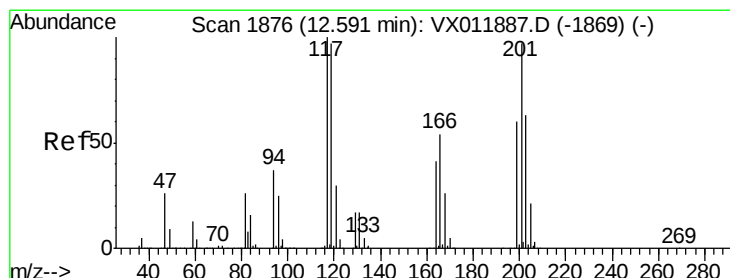
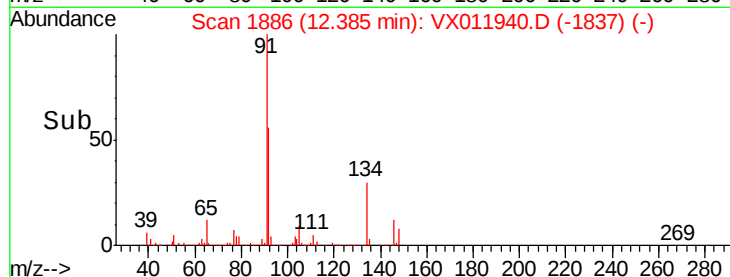
200000

100000

0

12.30 12.40 12.50

Time-->



#90

Hexachloroethane

Concen: 52.794 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX011940.D

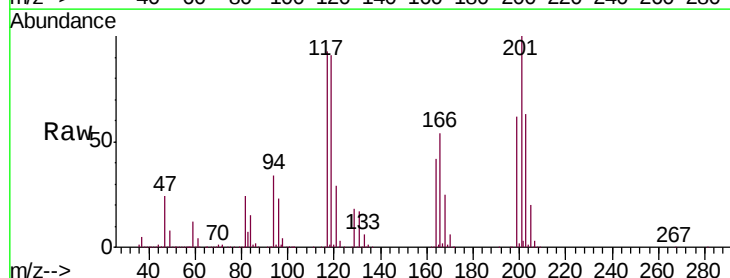
Acq: 31 Aug 2019 07:27

Tgt Ion: 117 Resp: 130711

Ion Ratio Lower Upper

117 100

201 105.9 52.8 158.5



Abundance Ion 116.80 (116.50 to 117.50): VX011887.D (-1869) (-)

Ion 200.70 (200.40 to 201.40): VX011887.D (-1869) (-)

12.59

120000

100000

80000

60000

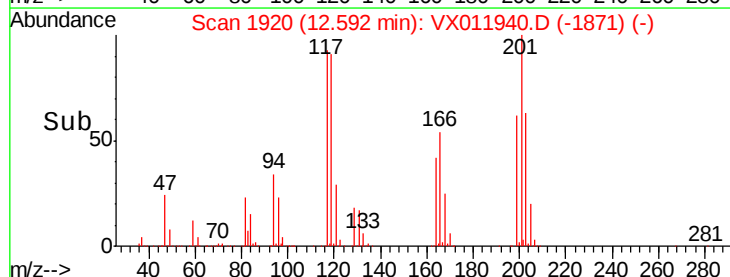
40000

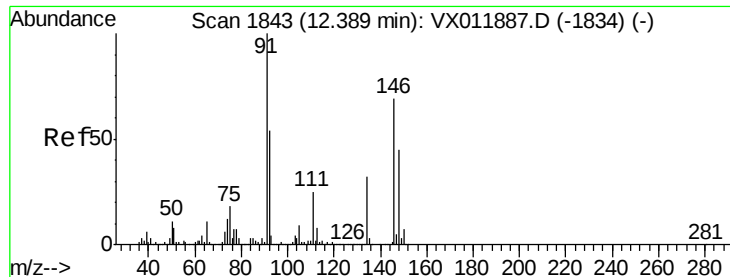
20000

0

12.50 12.60

Time-->

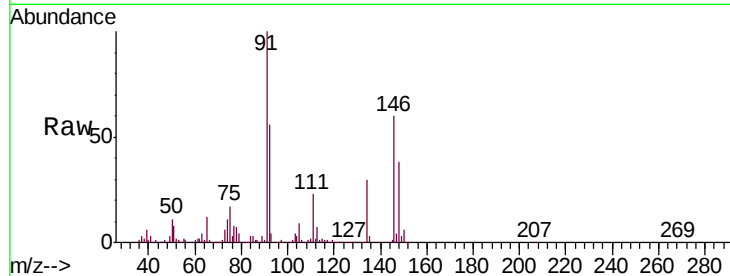




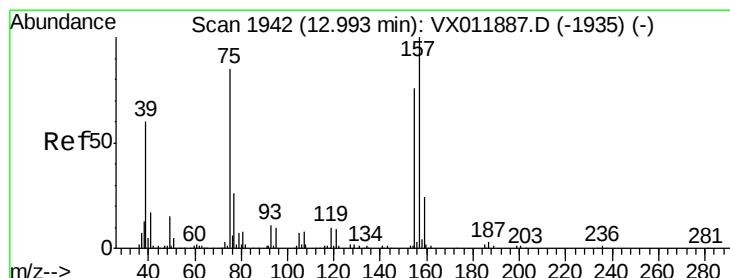
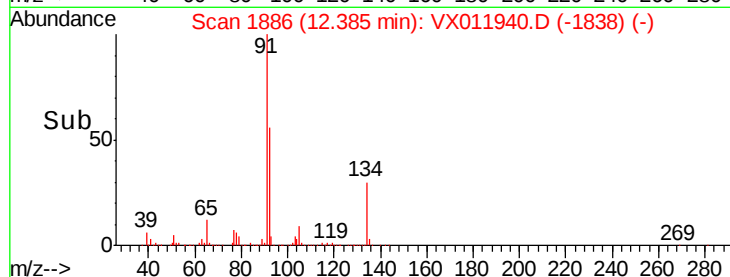
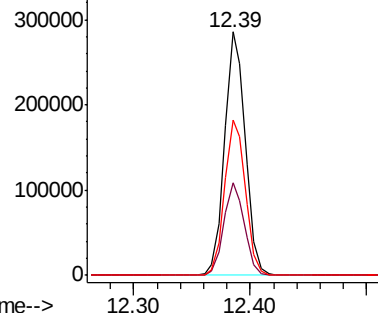
#91
 1,2-Dichlorobenzene
 Concen: 54.207 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	64.3	32.1	96.3

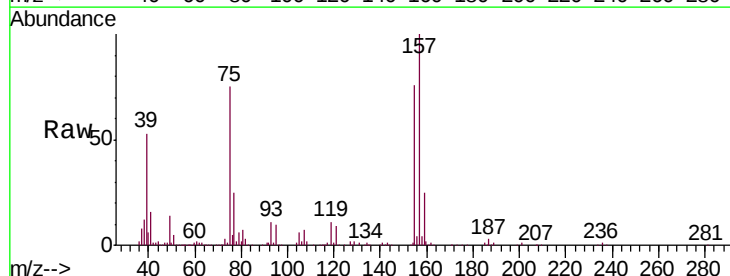


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

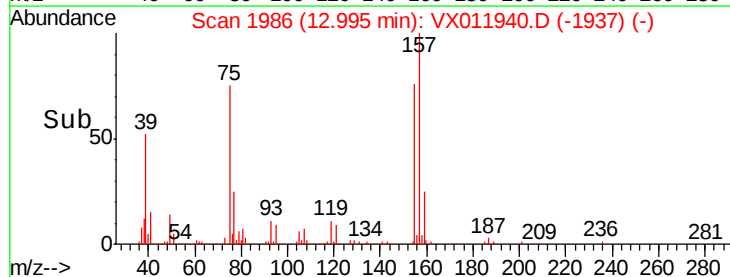
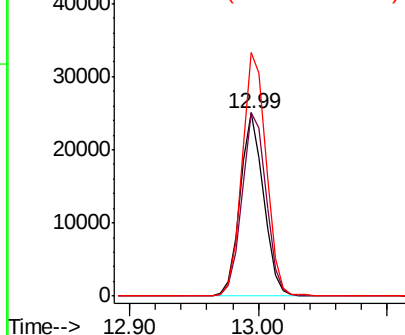


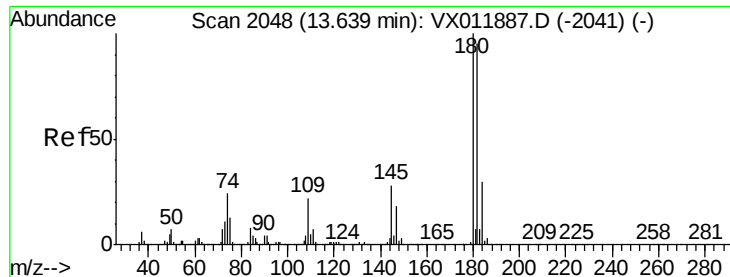
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.873 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.3	50.1	150.4
157	134.7	63.9	191.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

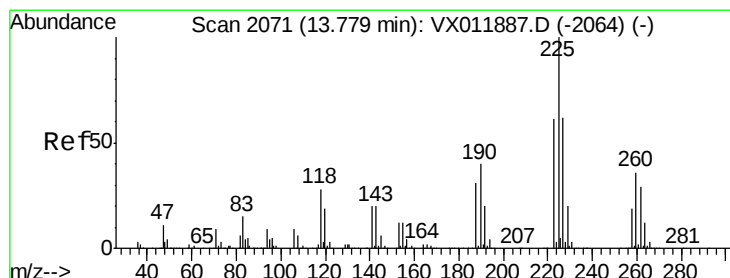
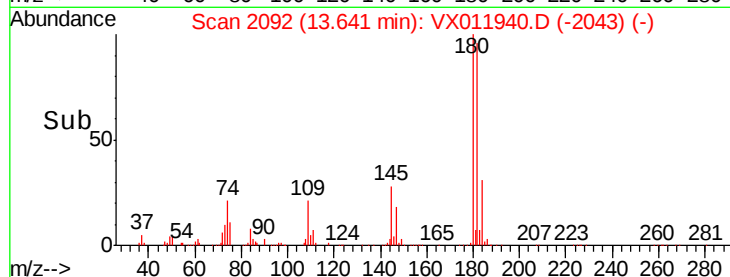
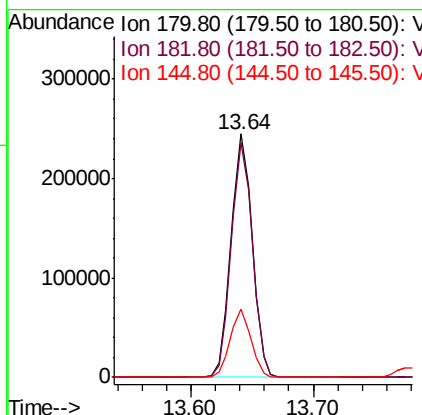
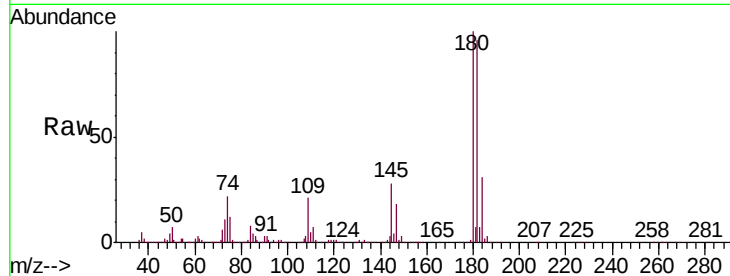




#93
 1,2,4-Trichlorobenzene
 Concen: 53.266 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

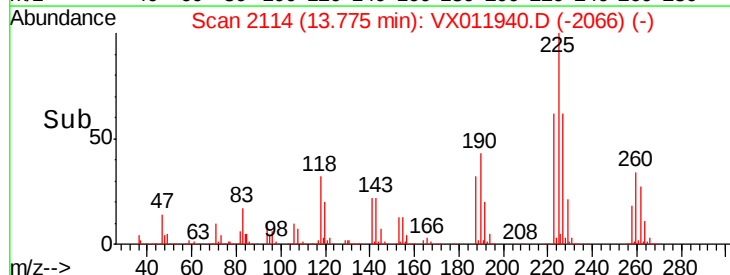
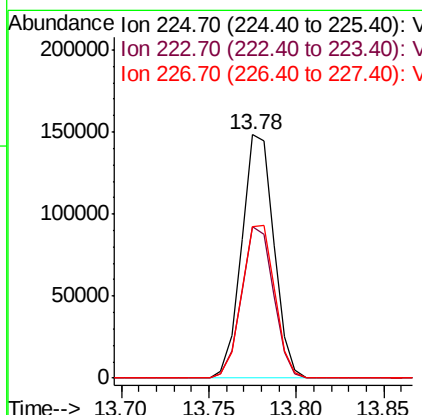
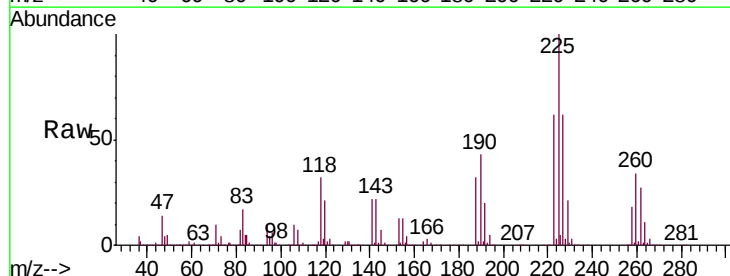
Instrument :
 MSVOA_X
 ClientSampleId :

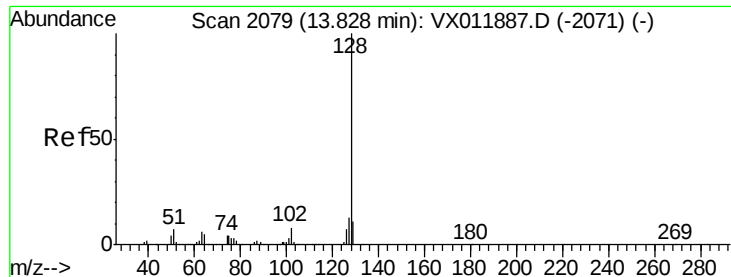
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.4
145	27.5	13.8	41.3



#94
 Hexachlorobutadiene
 Concen: 51.965 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011940.D
 Acq: 31 Aug 2019 07:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.8	92.3
227	64.4	31.9	95.7





#95

Naphthalene

Concen: 58.627 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

Instrument :

MSVOA_X

ClientSampleId :

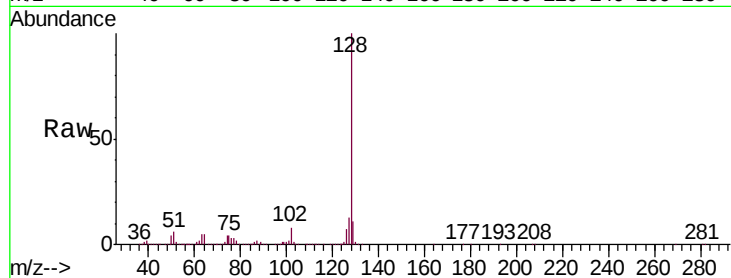
Tot Ion:128 Resp: 550825

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.8 13.2

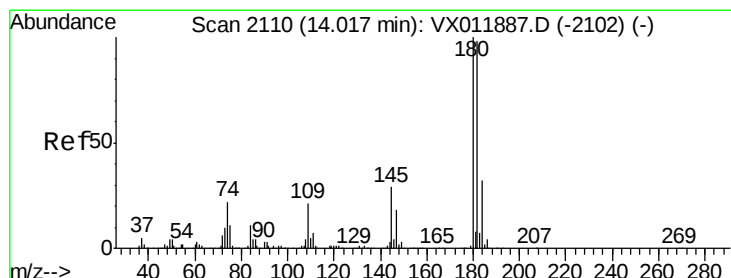
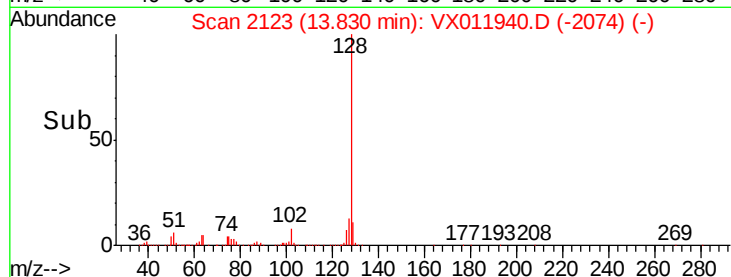
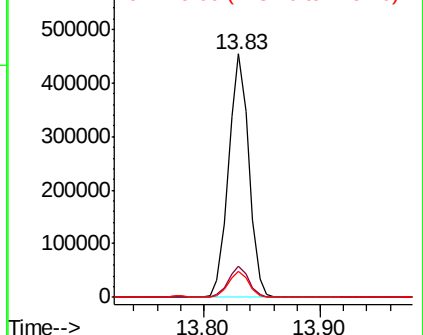


Abundance

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: 54.828 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX011940.D

Acq: 31 Aug 2019 07:27

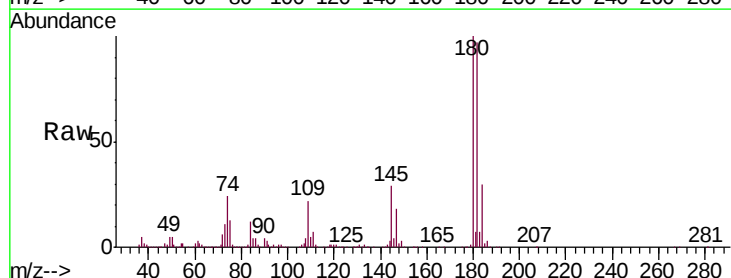
Tgt Ion:180 Resp: 271426

Ion Ratio Lower Upper

180 100

182 97.9 48.3 144.8

145 29.3 14.6 43.8



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

