

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011923.D
 Acq On : 30 Aug 2019 23:31
 Operator : SY/SP
 Sample : VX0830SBS03
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Quant Time: Aug 31 02:38:47 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	307981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	450205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	253505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	158988	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
35) Dibromofluoromethane	5.48	113	146538	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	8.71	98	529211	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	11.14	95	220267	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38649	20.792	ug/l	98
3) Chloromethane	1.31	50	43928	20.386	ug/l	98
4) Vinyl Chloride	1.40	62	41095	19.972	ug/l	99
5) Bromomethane	1.62	94	30437	21.379	ug/l	98
6) Chloroethane	1.70	64	26513	20.703	ug/l	98
7) Trichlorofluoromethane	1.92	101	68875	19.274	ug/l	99
8) Diethyl Ether	2.17	74	25620	20.861	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45068	19.351	ug/l	98
10) Methyl Iodide	2.50	142	41607	18.836	ug/l	100
11) Tert butyl alcohol	3.03	59	31816	112.074	ug/l	99
12) 1,1-Dichloroethene	2.36	96	42792	19.783	ug/l	99
13) Acrolein	2.28	56	13782	97.541	ug/l	96
14) Allyl chloride	2.72	41	81643	20.121	ug/l	99
15) Acrylonitrile	3.12	53	75136	111.383	ug/l	99
16) Acetone	2.43	43	63240	99.609	ug/l	99
17) Carbon Disulfide	2.56	76	111643	17.994	ug/l	100
18) Methyl Acetate	2.76	43	43177	24.568	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	155422	22.179	ug/l	99
20) Methylene Chloride	2.84	84	61268	19.634	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	52253	20.507	ug/l	97
22) Diisopropyl ether	3.84	45	180708	21.815	ug/l	95
23) Vinyl Acetate	3.80	43	557915	104.758	ug/l	100
24) 1,1-Dichloroethane	3.69	63	97453	21.334	ug/l	99
25) 2-Butanone	4.65	43	98360	106.372	ug/l	95
26) 2,2-Dichloropropane	4.56	77	74730	19.505	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	66236	22.069	ug/l	99
28) Bromochloromethane	5.00	49	43295	21.122	ug/l	98
29) Tetrahydrofuran	5.12	42	64387	111.560	ug/l	99
30) Chloroform	5.19	83	107091	21.926	ug/l	96
31) Cyclohexane	5.56	56	69847	18.957	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	90464	20.851	ug/l	99
36) 1,1-Dichloropropene	5.78	75	66584	18.668	ug/l	99
37) Ethyl Acetate	4.82	43	43064	20.397	ug/l	99
38) Carbon Tetrachloride	5.77	117	80069	19.356	ug/l	99

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 Operator : SY/SP
 Sample : VX0830SBS03
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

Quant Time: Aug 31 02:38:47 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)
39) Methylcyclohexane	7.45	83	75912	17.869	ug/l	98
40) Benzene	6.13	78	217164	20.398	ug/l	98
41) Methacrylonitrile	5.03	41	27073	21.778	ug/l	98
42) 1,2-Dichloroethane	6.18	62	77267	21.341	ug/l	100
43) Isopropyl Acetate	6.43	43	87971	20.552	ug/l	99
44) Trichloroethene	7.20	130	65867	19.996	ug/l	97
45) 1,2-Dichloropropane	7.51	63	57016	20.474	ug/l	100
46) Dibromomethane	7.65	93	34508	20.879	ug/l	99
47) Bromodichloromethane	7.89	83	85338	20.823	ug/l	98
48) Methyl methacrylate	7.76	41	43726	20.995	ug/l	100
49) 1,4-Dioxane	7.73	88	12789	446.540	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	229272	105.435	ug/l	100
52) Toluene	8.78	92	142379	20.215	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	86356	20.570	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	95665	20.300	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50802	20.996	ug/l	99
56) Ethyl methacrylate	9.17	69	69376	20.659	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84010	20.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	167216	104.547	ug/l	99
59) 2-Hexanone	9.48	43	162261	105.047	ug/l	100
60) Dibromochloromethane	9.57	129	67762	20.852	ug/l	100
61) 1,2-Dibromoethane	9.67	107	50433	21.023	ug/l	99
64) Tetrachloroethene	9.33	164	70145	20.214	ug/l	99
65) Chlorobenzene	10.14	112	170139	20.352	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	69887	20.673	ug/l	99
67) Ethyl Benzene	10.25	91	282719	19.882	ug/l	100
68) m/p-Xylenes	10.35	106	222901	40.595	ug/l	99
69) o-Xylene	10.70	106	109243	20.417	ug/l	99
70) Styrene	10.71	104	195587	20.739	ug/l	99
71) Bromoform	10.85	173	49744	20.810	ug/l #	98
73) Isopropylbenzene	11.01	105	288303	19.793	ug/l	100
74) N-amyl acetate	10.89	43	86594	20.033	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	61574	20.655	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	67033	26.881	ug/l	84
77) Bromobenzene	11.25	156	88326	20.908	ug/l	98
78) n-propylbenzene	11.35	91	327206	19.810	ug/l	99
79) 2-Chlorotoluene	11.42	91	202699	20.388	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	252581	20.090	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18955	19.095	ug/l	99
82) 4-Chlorotoluene	11.51	91	244443	20.380	ug/l	100
83) tert-Butylbenzene	11.76	119	256609	20.115	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	258440	20.058	ug/l	100
85) sec-Butylbenzene	11.94	105	290090	19.577	ug/l	99
86) p-Isopropyltoluene	12.06	119	280894	19.550	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	161410	20.559	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	162222	20.439	ug/l	99
89) n-Butylbenzene	12.39	91	243142	19.127	ug/l	99
90) Hexachloroethane	12.59	117	54189	19.495	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	150510	20.619	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12923	21.763	ug/l	97

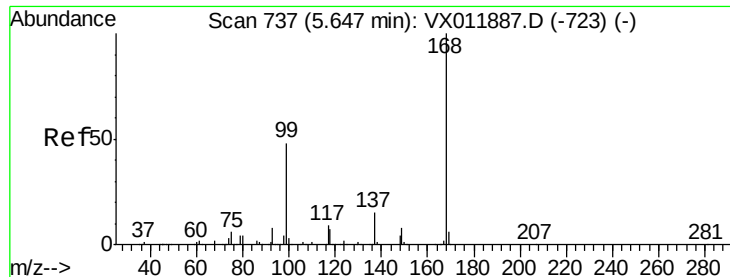
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
Data File : VX011923.D
Acq On : 30 Aug 2019 23:31
Operator : SY/SP
Sample : VX0830SBSD03
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

Quant Time: Aug 31 02:38:47 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)
93) 1,2,4-Trichlorobenzene	13.64	180	122631	19.952	ug/l	100
94) Hexachlorobutadiene	13.78	225	75983	18.511	ug/l	98
95) Naphthalene	13.83	128	217691	20.637	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	115107	20.710	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: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

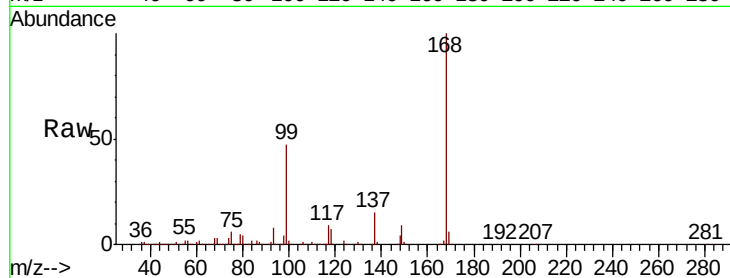
VX0830SBS02

Tgt Ion:168 Resp: 307981

Ion Ratio Lower Upper

168 100

99 46.6 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

120000

100000

80000

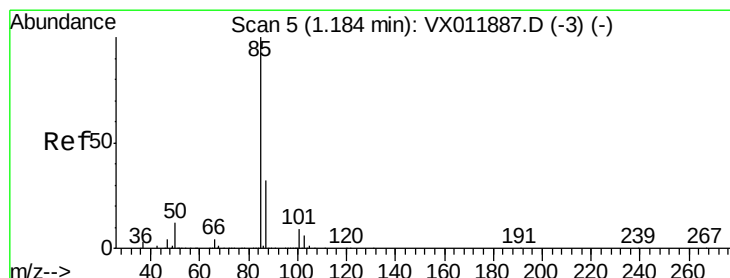
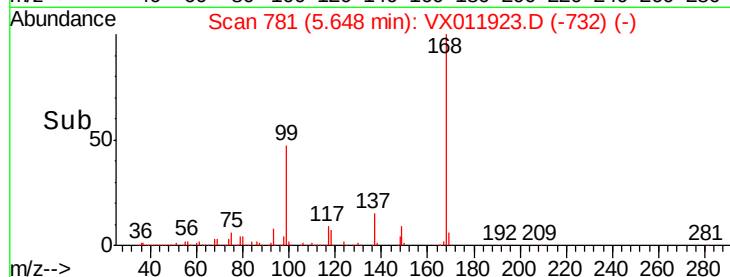
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.792 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011923.D

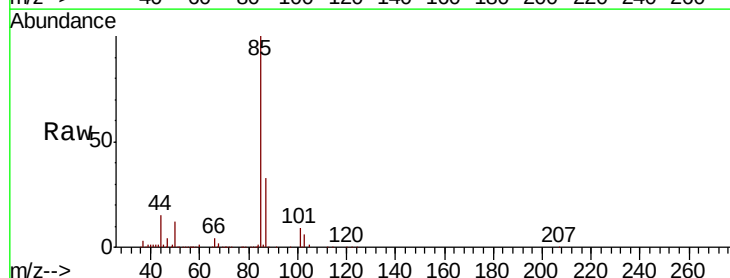
Acq: 30 Aug 2019 23:31

Tgt Ion: 85 Resp: 38649

Ion Ratio Lower Upper

85 100

87 33.1 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

40000

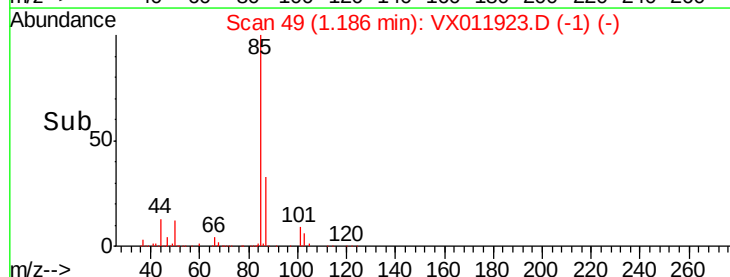
30000

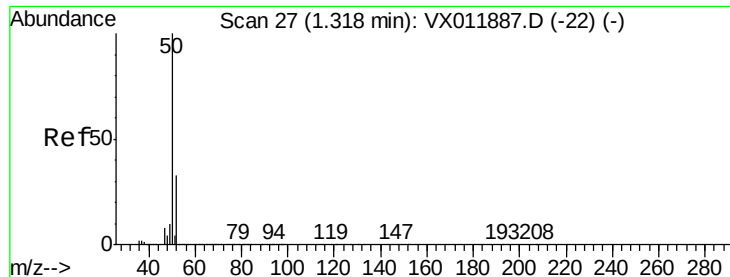
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.386 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

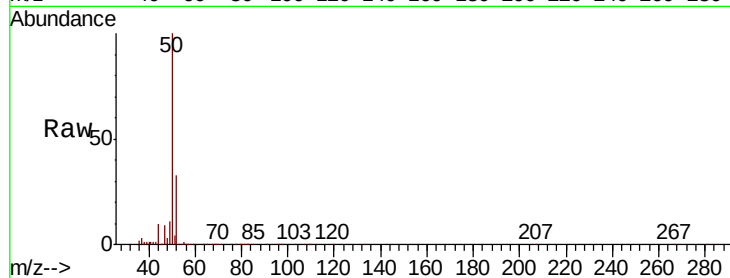
VX0830SBS02

Tgt Ion: 50 Resp: 43928

Ion Ratio Lower Upper

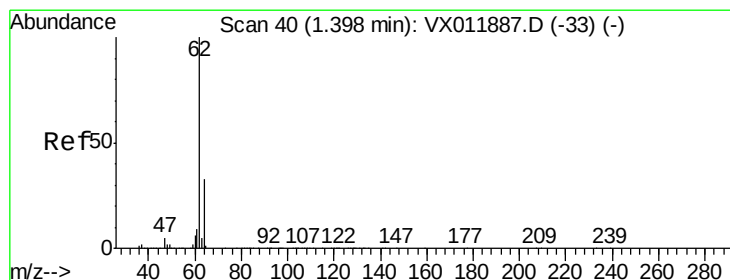
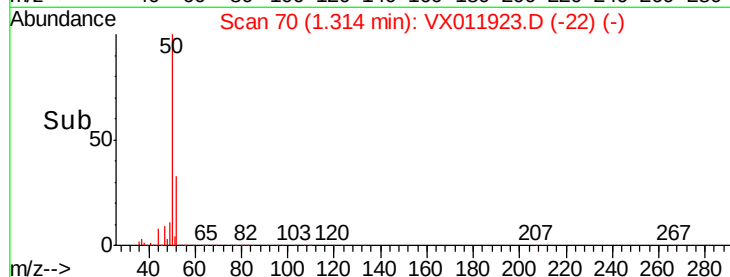
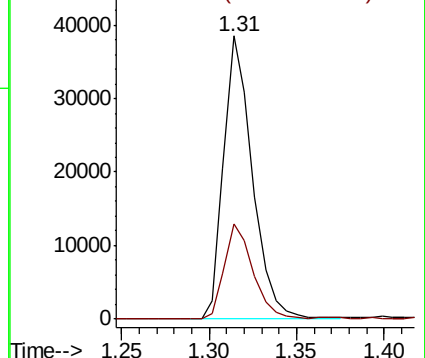
50 100

52 33.4 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: 19.972 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011923.D

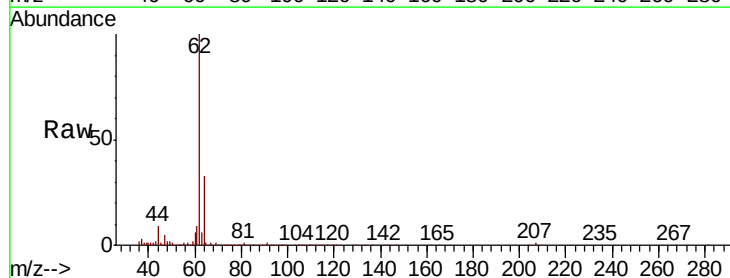
Acq: 30 Aug 2019 23:31

Tgt Ion: 62 Resp: 41095

Ion Ratio Lower Upper

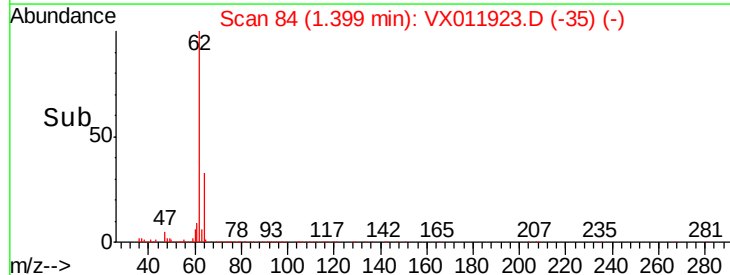
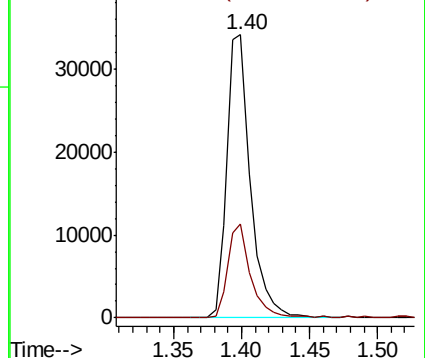
62 100

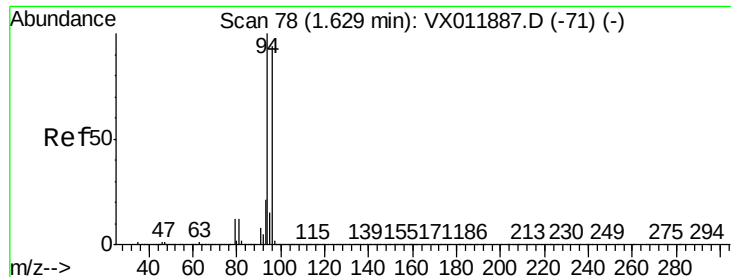
64 32.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.379 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

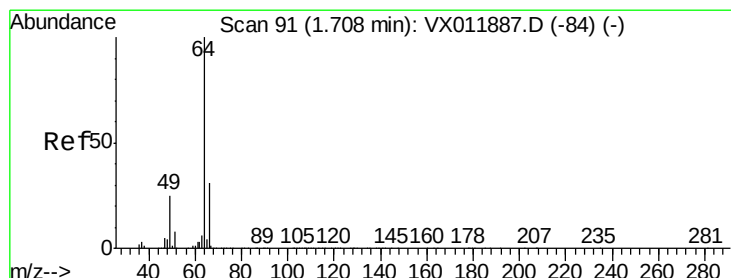
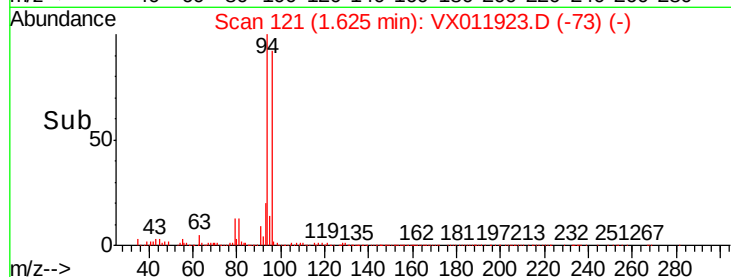
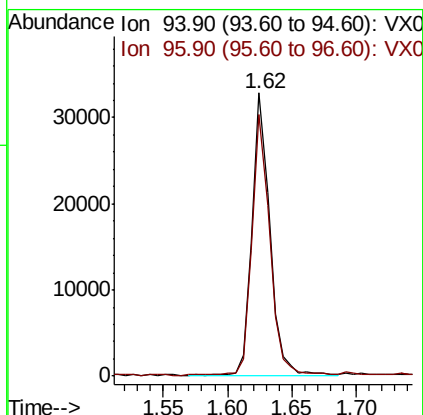
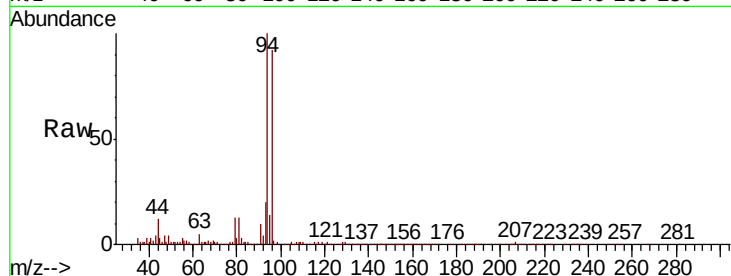
VX0830SBS02

Tgt Ion: 94 Resp: 30437

Ion Ratio Lower Upper

94 100

96 92.1 75.0 112.6



#6

Chloroethane

Concen: 20.703 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011923.D

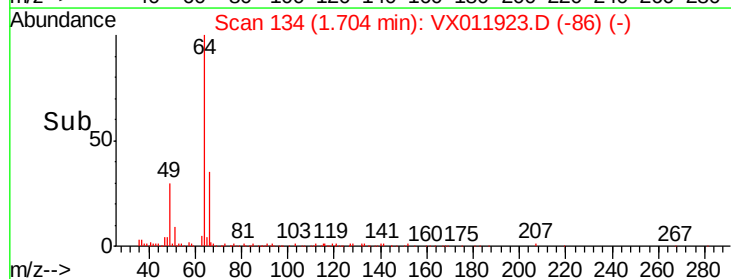
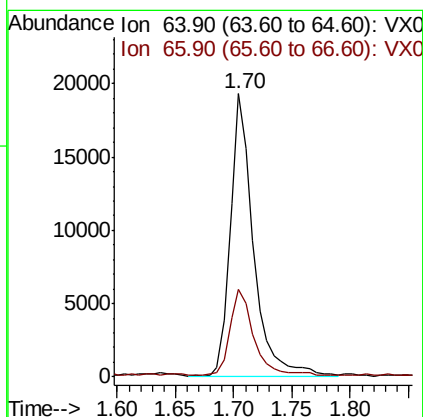
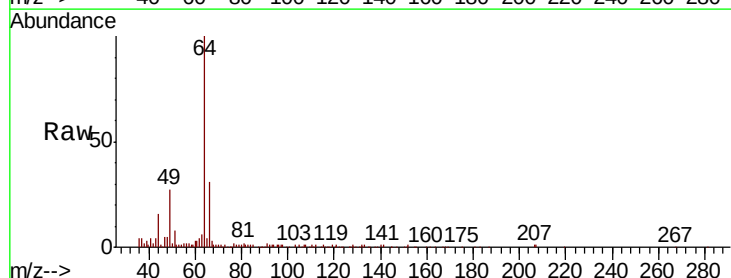
Acq: 30 Aug 2019 23:31

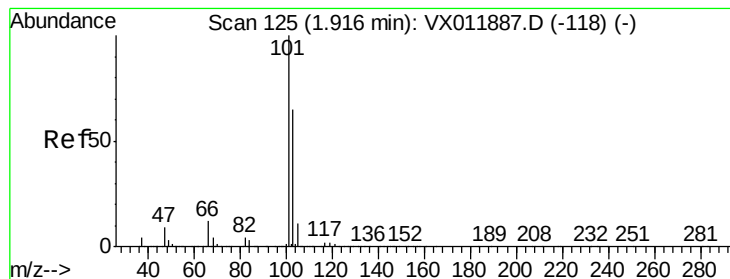
Tgt Ion: 64 Resp: 26513

Ion Ratio Lower Upper

64 100

66 30.2 25.0 37.4



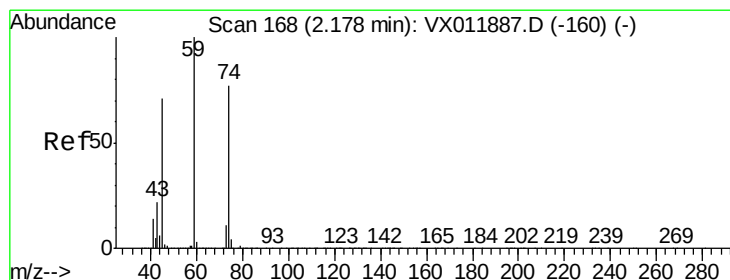
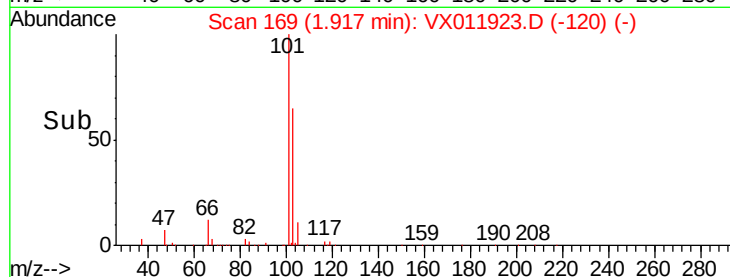
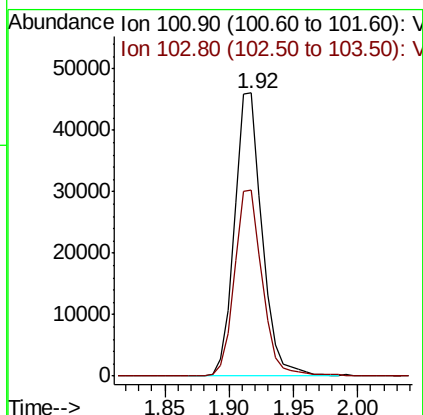
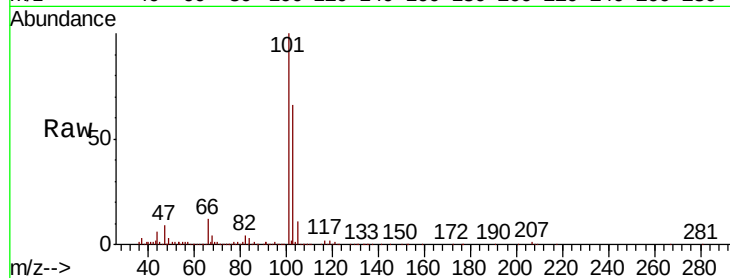


#7

Trichlorofluoromethane
Concen: 19.274 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

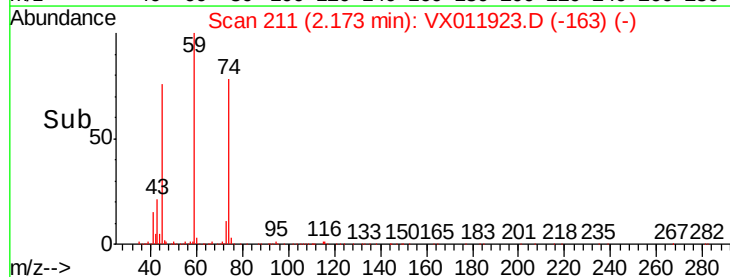
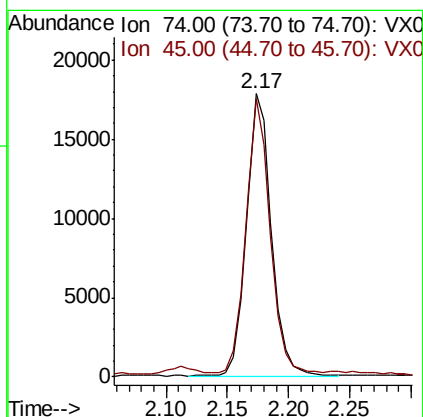
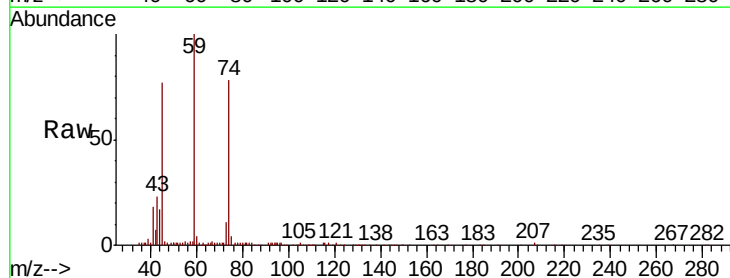
Tgt Ion: 101 Resp: 68875
Ion Ratio Lower Upper
101 100
103 65.4 51.6 77.4

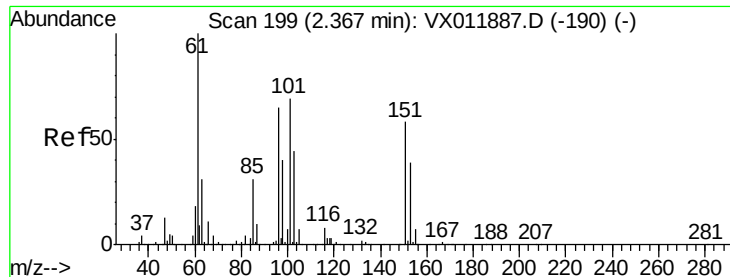


#8

Diethyl Ether
Concen: 20.861 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion: 74 Resp: 25620
Ion Ratio Lower Upper
74 100
45 92.4 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.351 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBSD02

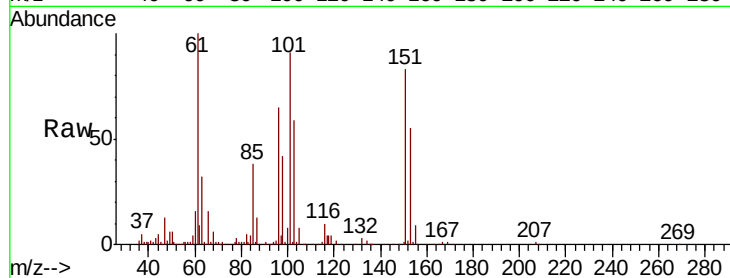
Tgt Ion:101 Resp: 45068

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

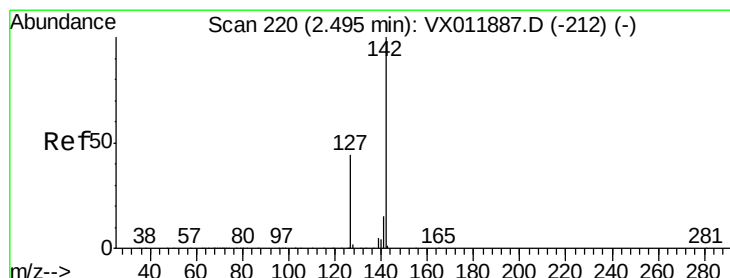
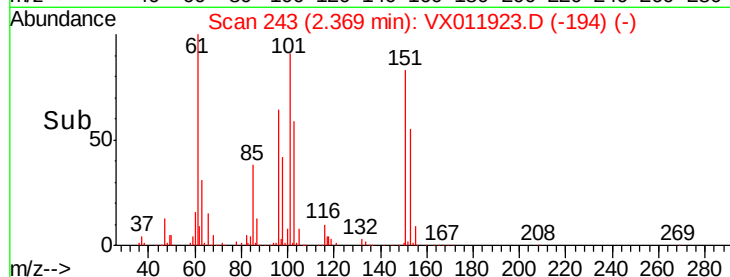
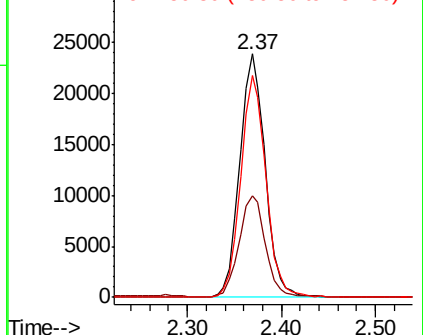
151 90.5 70.9 106.3



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: 18.836 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

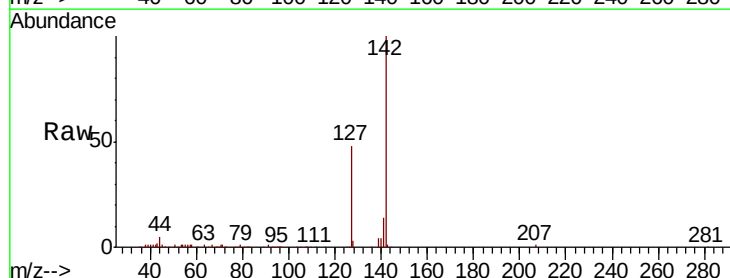
Tgt Ion:142 Resp: 41607

Ion Ratio Lower Upper

142 100

127 44.7 35.7 53.5

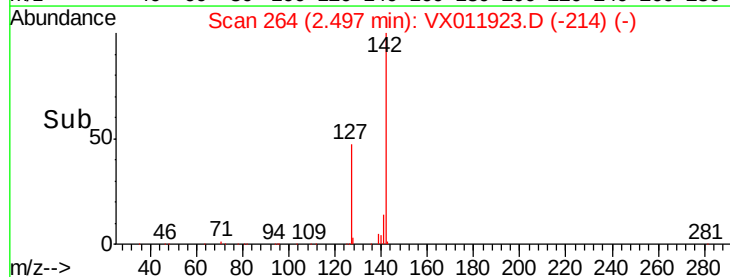
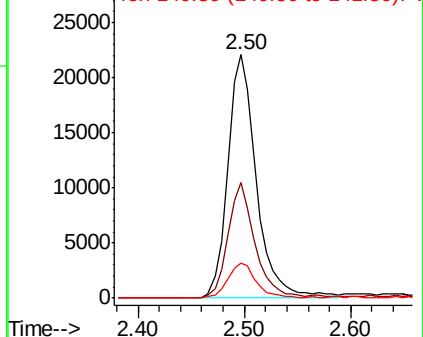
141 14.5 11.8 17.6

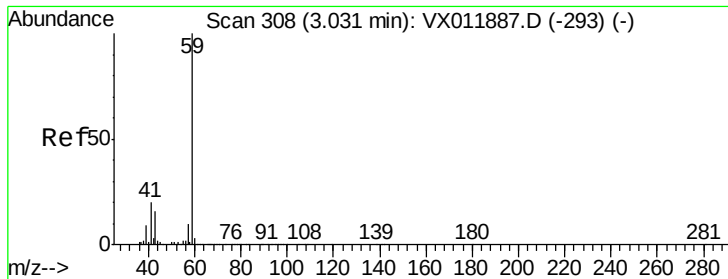


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



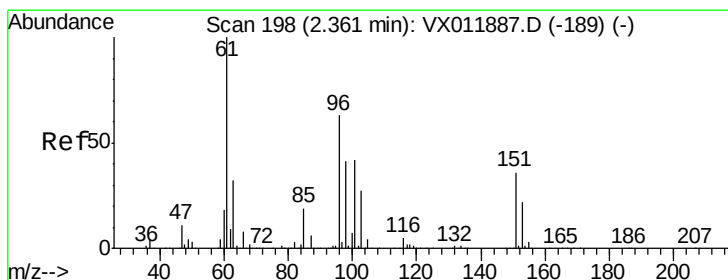
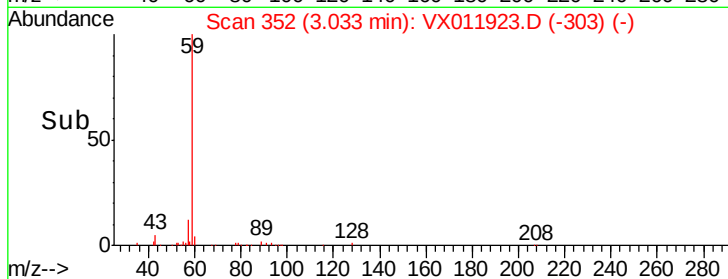
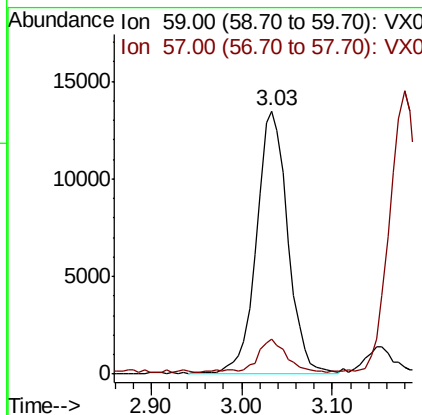
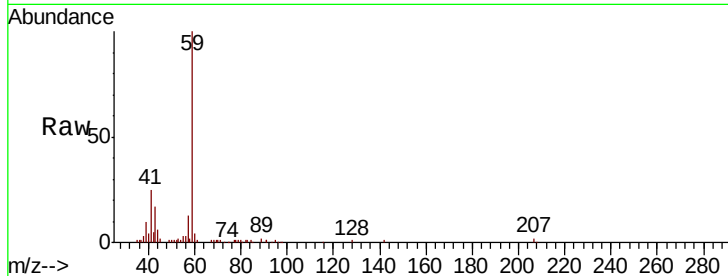


#11

Tert butyl alcohol
Concen: 112.074 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

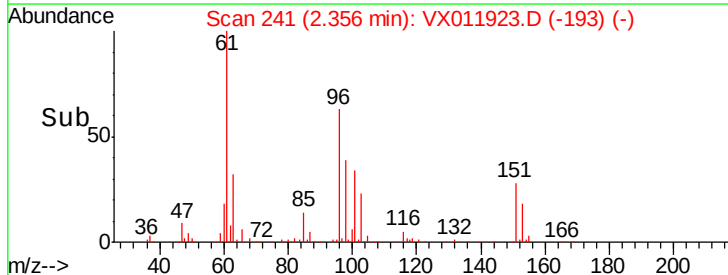
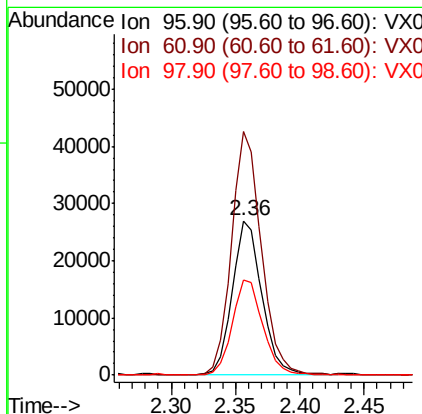
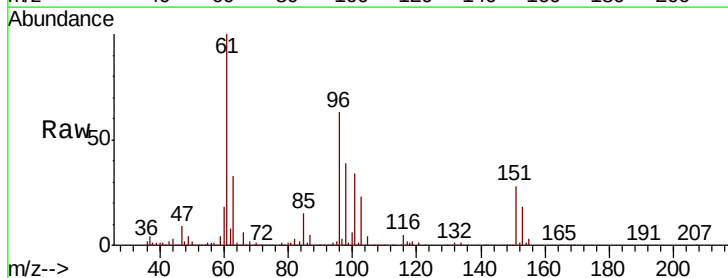
Tgt Ion: 59 Resp: 31816
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8

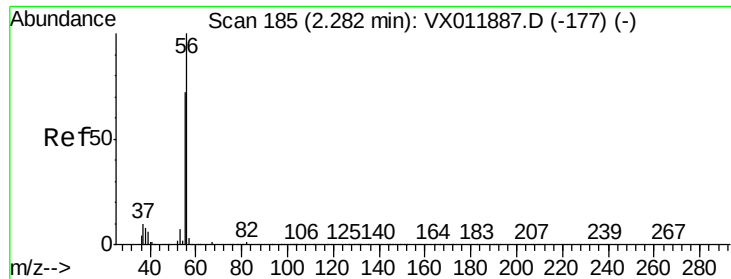


#12

1,1-Dichloroethene
Concen: 19.783 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion: 96 Resp: 42792
Ion Ratio Lower Upper
96 100
61 158.0 126.6 190.0
98 61.8 51.6 77.4





#13

Acrolein

Concen: 97.541 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

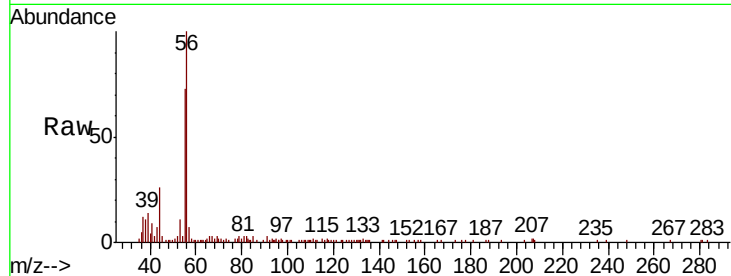
VX0830SBS02

Tgt Ion: 56 Resp: 13782

Ion Ratio Lower Upper

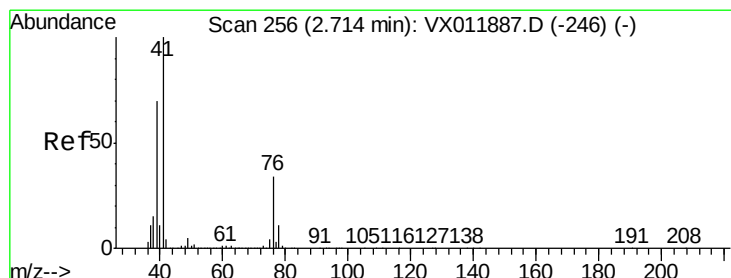
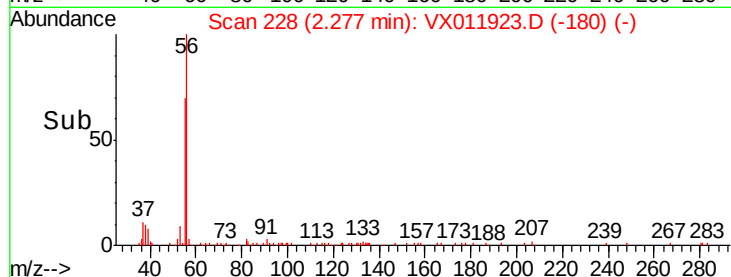
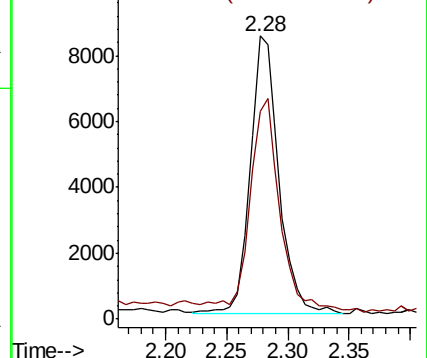
56 100

55 76.7 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.121 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

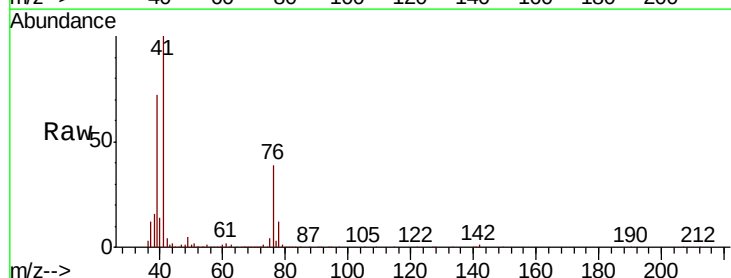
Tgt Ion: 41 Resp: 81643

Ion Ratio Lower Upper

41 100

39 69.1 55.0 82.6

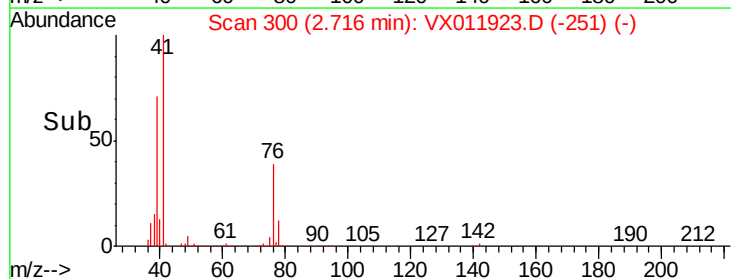
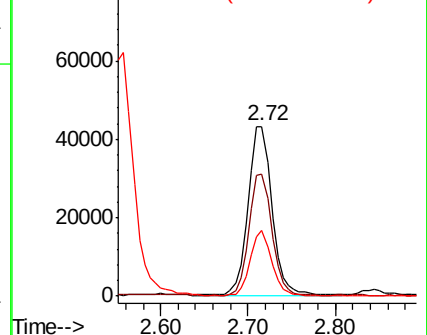
76 35.5 27.0 40.4

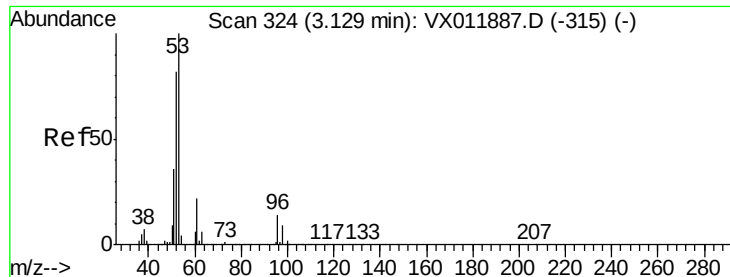


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

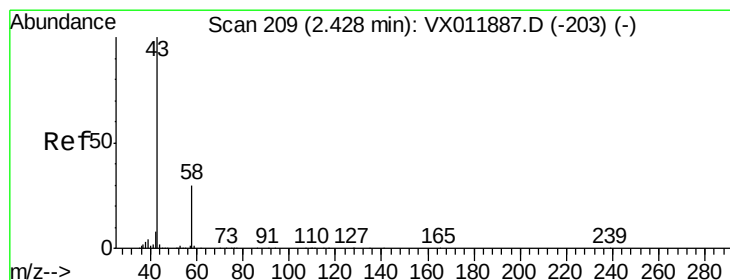
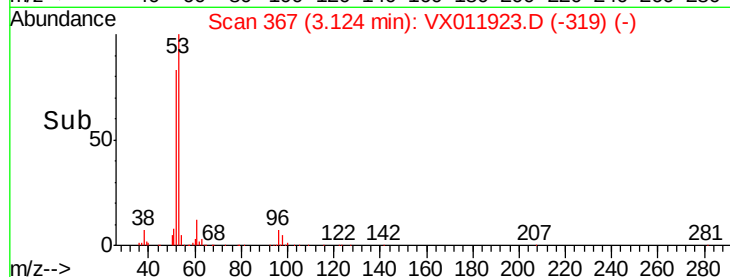
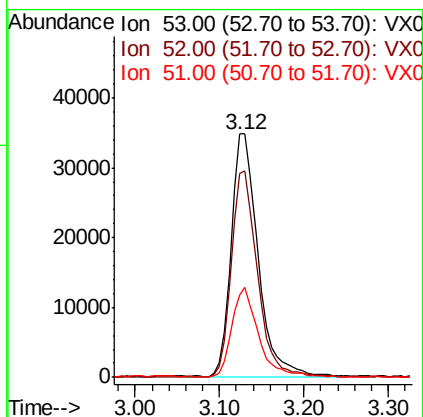
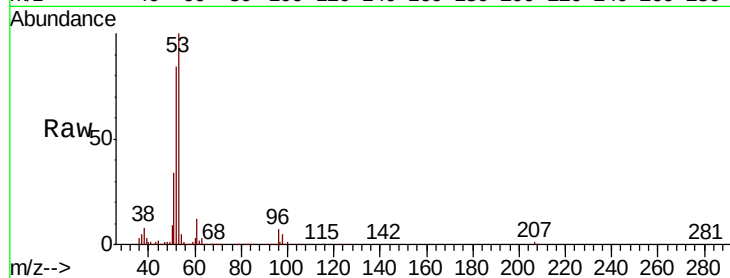




#15
 Acrylonitrile
 Concen: 111.383 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

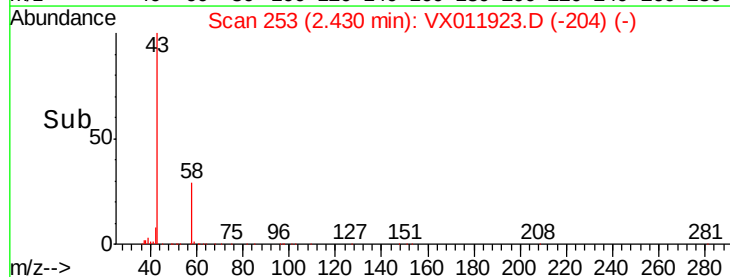
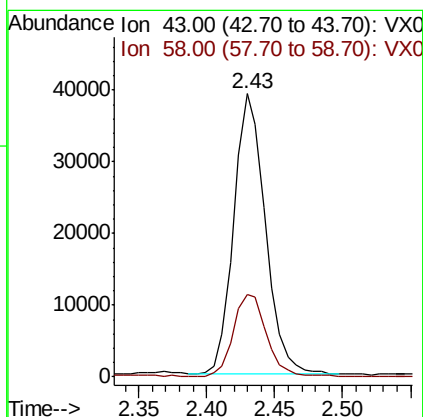
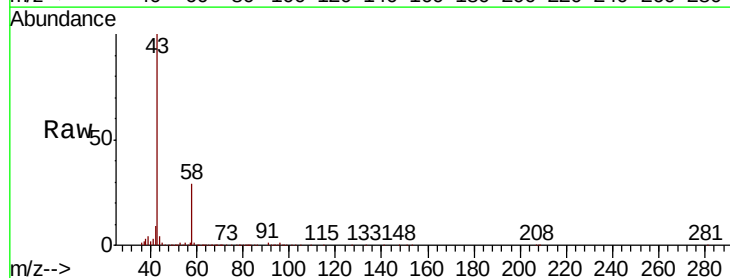
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

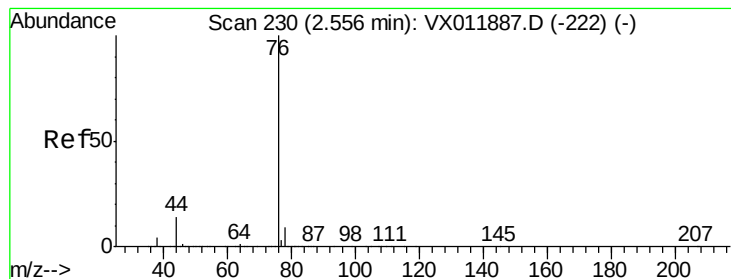
Tgt Ion:	53	Resp:	75136
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.3	97.9
51	36.3	29.4	44.2



#16
 Acetone
 Concen: 99.609 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion:	43	Resp:	63240
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.8	35.8





#17

Carbon Disulfide

Concen: 17.994 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

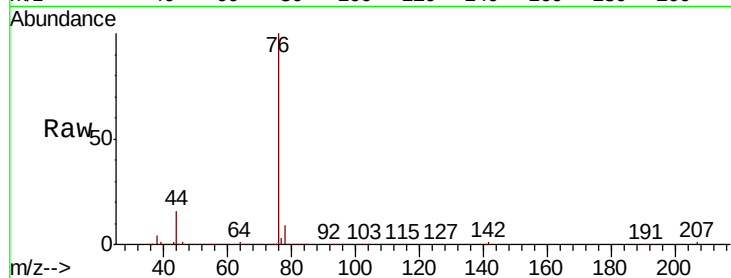
VX0830SBSD02

Tgt Ion: 76 Resp: 111643

Ion Ratio Lower Upper

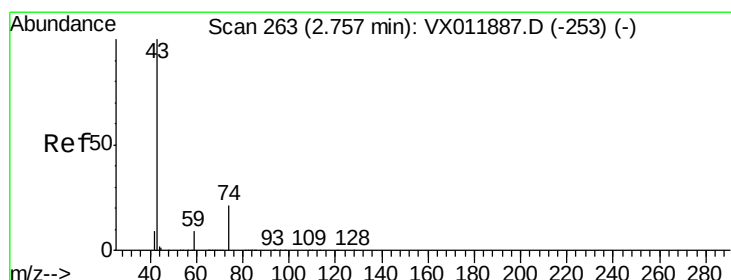
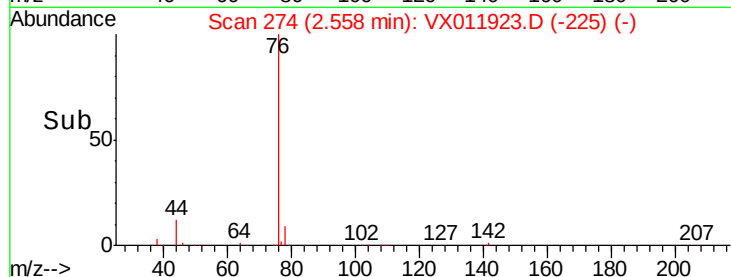
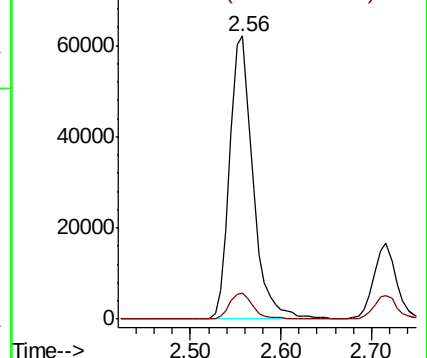
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 24.568 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX011923.D

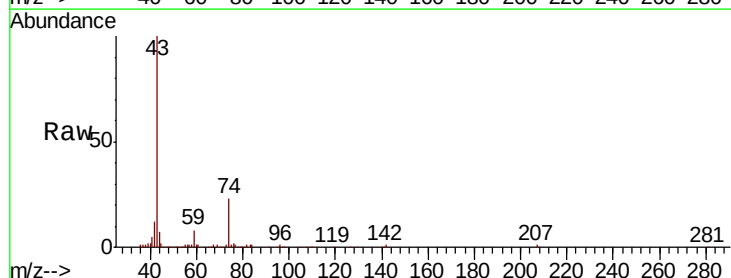
Acq: 30 Aug 2019 23:31

Tgt Ion: 43 Resp: 43177

Ion Ratio Lower Upper

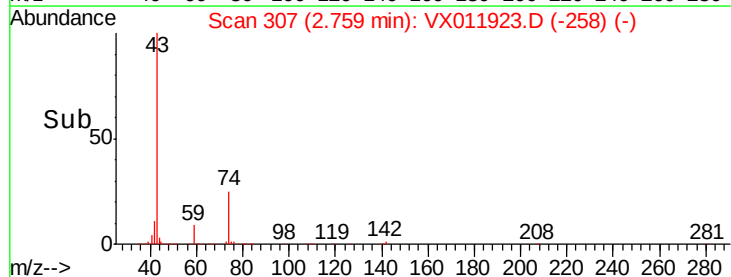
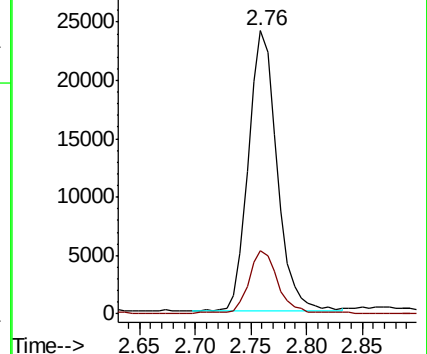
43 100

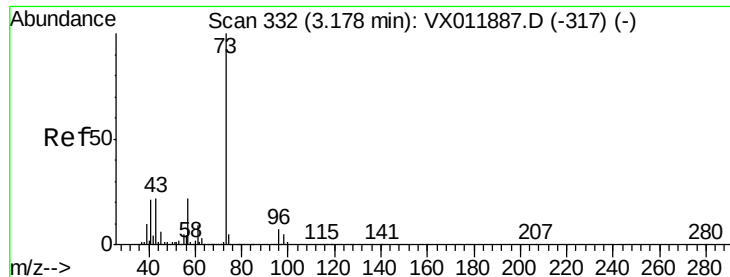
74 23.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



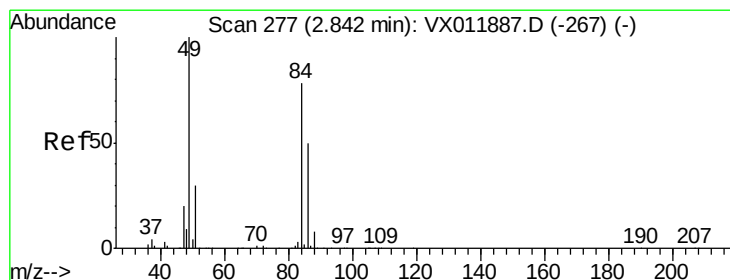
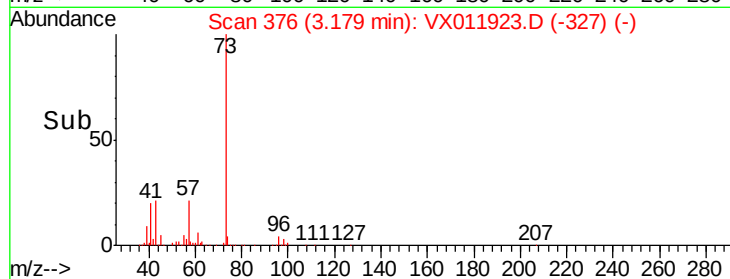
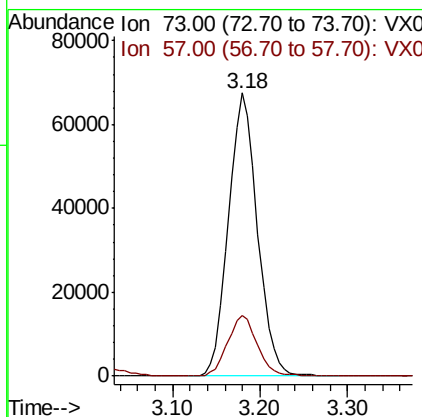
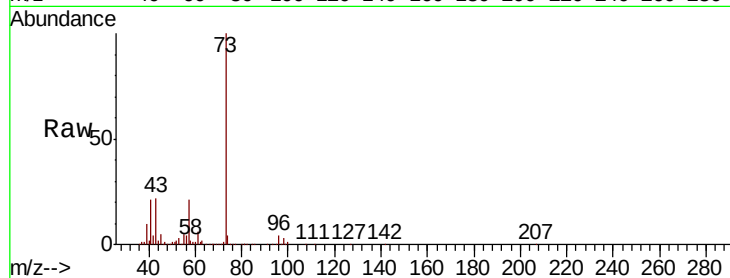


#19

Methyl tert-butyl Ether
 Concen: 22.179 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

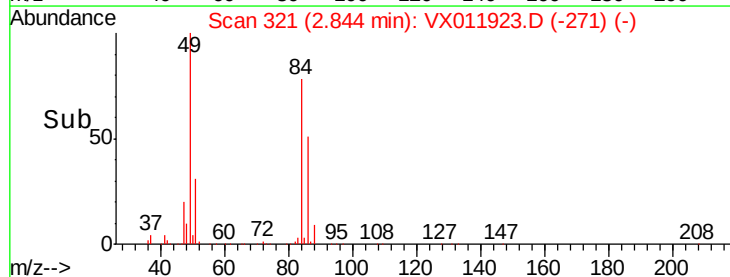
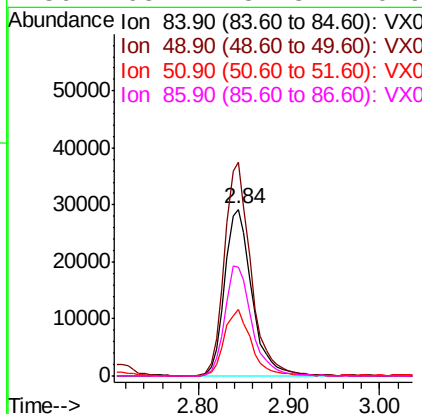
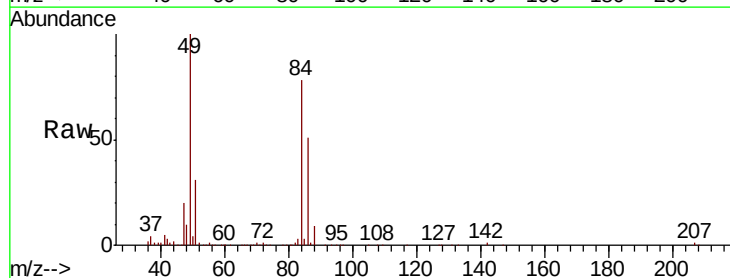
Tgt Ion: 73 Resp: 155422
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.4 26.0

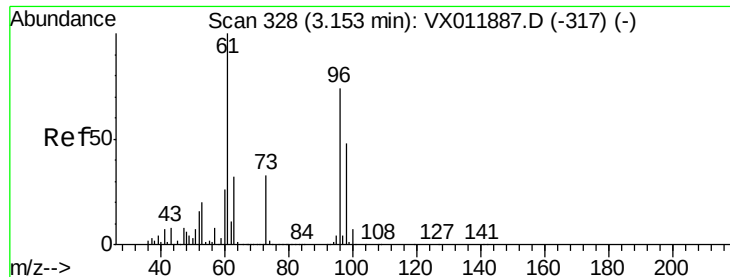


#20

Methylene Chloride
 Concen: 19.634 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion: 84 Resp: 61268
 Ion Ratio Lower Upper
 84 100
 49 127.6 103.0 154.4
 51 39.3 30.8 46.2
 86 65.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.507 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

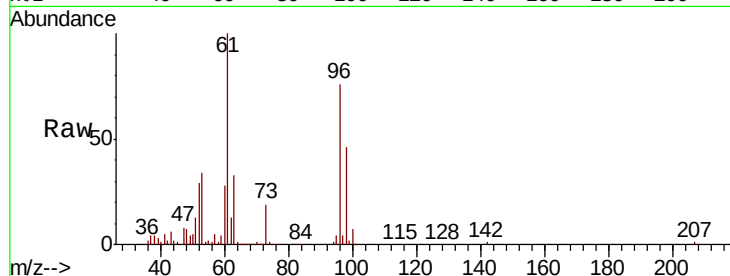
Tgt Ion: 96 Resp: 52253

Ion Ratio Lower Upper

96 100

61 131.6 107.4 161.2

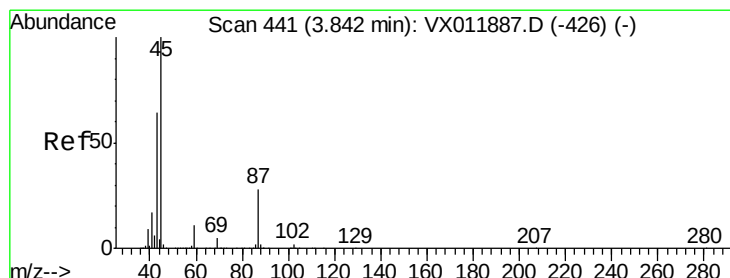
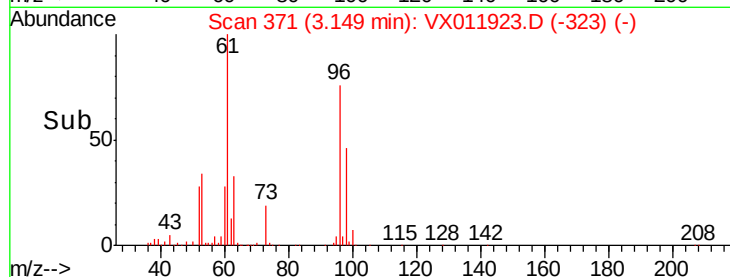
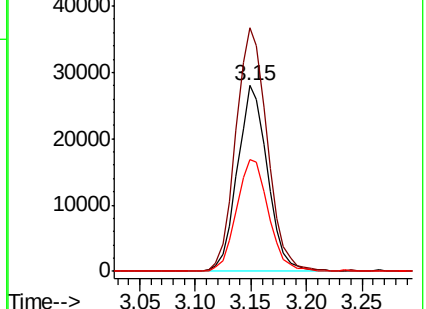
98 60.1 51.4 77.2



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: 21.815 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion: 45 Resp: 180708

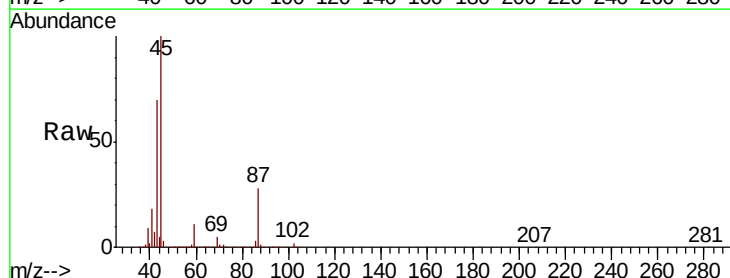
Ion Ratio Lower Upper

45 100

43 69.8 51.0 76.6

87 27.7 22.0 33.0

59 10.6 9.1 13.7

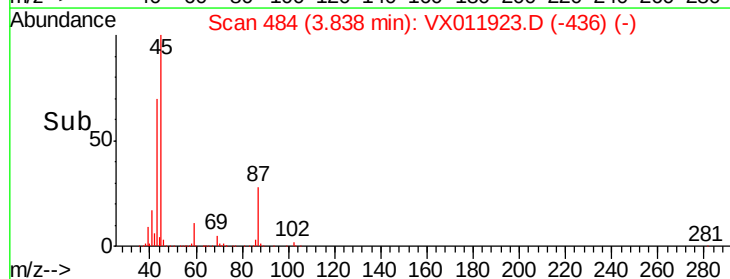
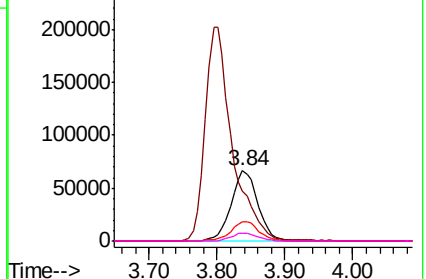


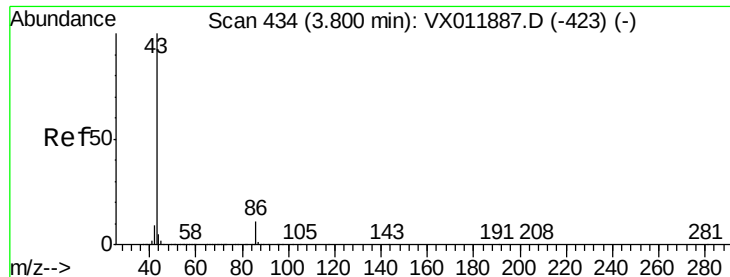
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

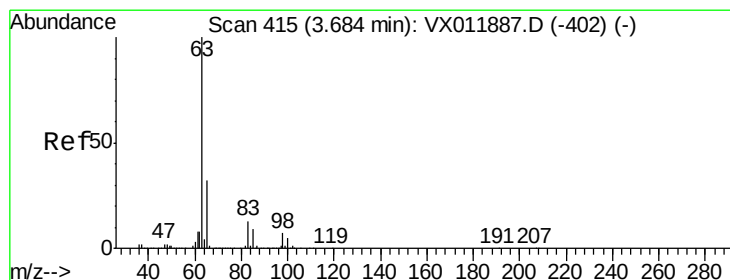
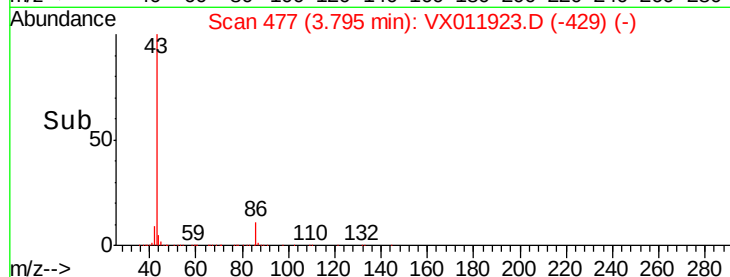
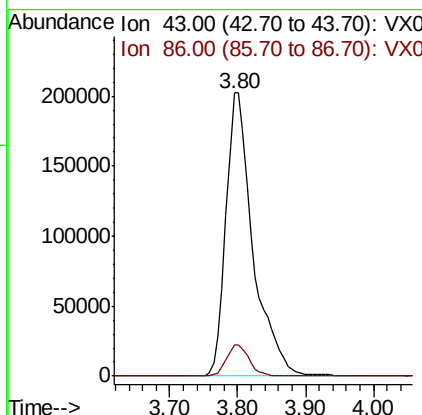
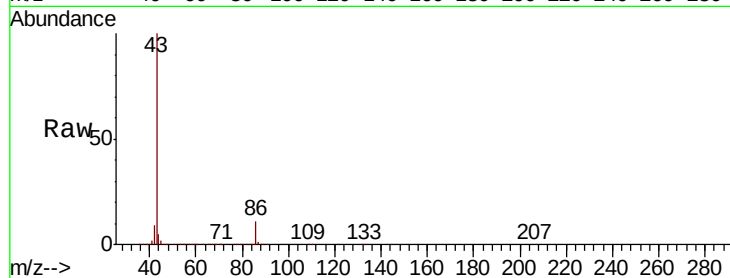




#23
 Vinyl Acetate
 Concen: 104.758 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

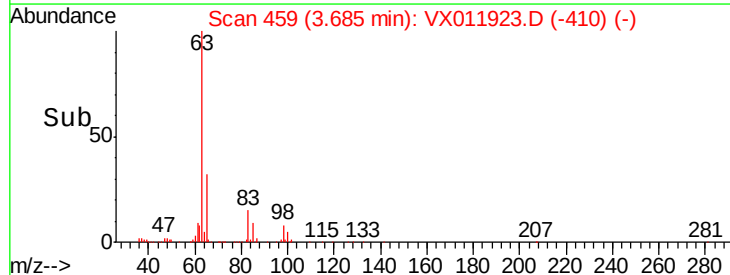
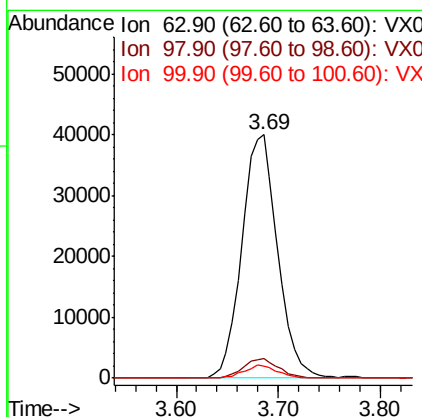
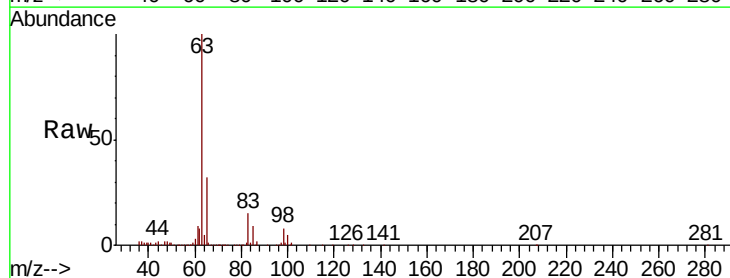
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBSD02

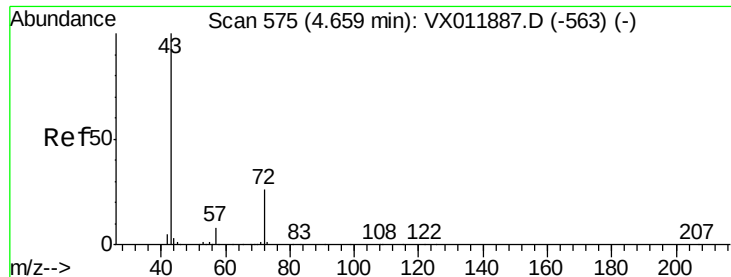
Tgt Ion: 43 Resp: 557915
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 21.334 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion: 63 Resp: 97453
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.2
 100 5.0 2.4 7.2





#25

2-Butanone

Concen: 106.372 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

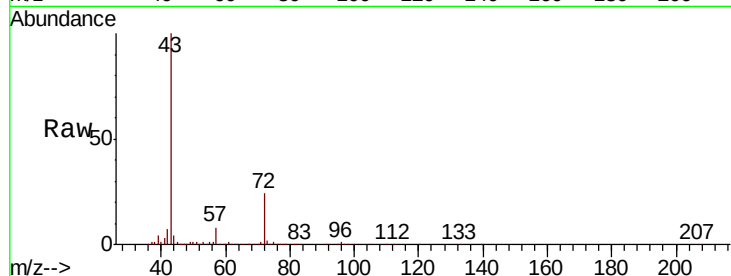
VX0830SBS02

Tgt Ion: 43 Resp: 98360

Ion Ratio Lower Upper

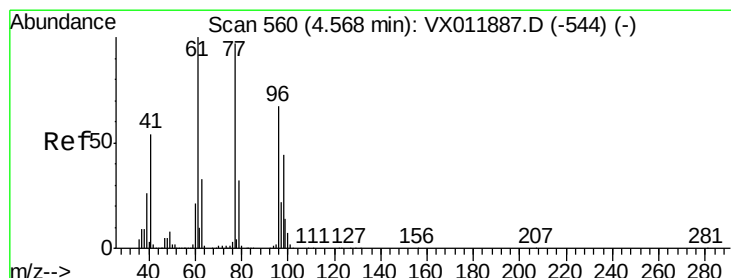
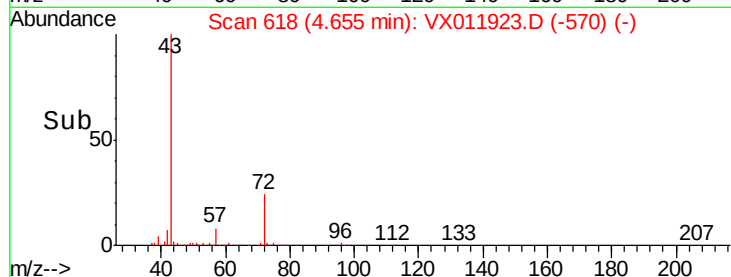
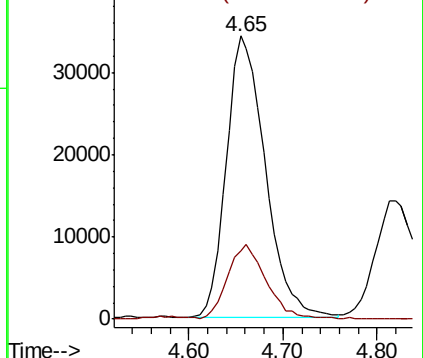
43 100

72 23.9 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: 19.505 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011923.D

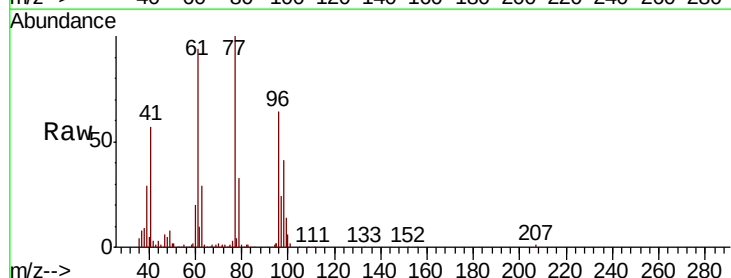
Acq: 30 Aug 2019 23:31

Tgt Ion: 77 Resp: 74730

Ion Ratio Lower Upper

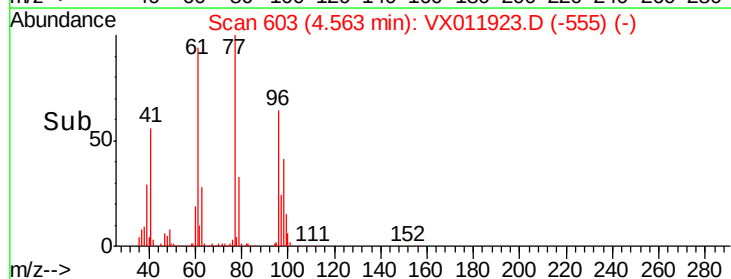
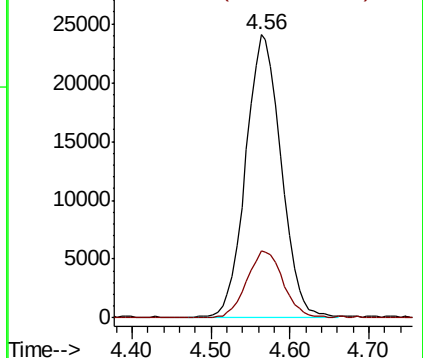
77 100

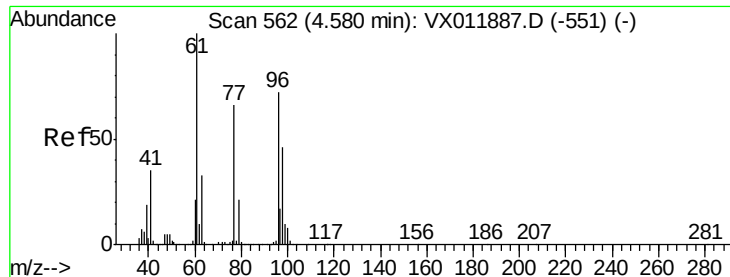
97 24.4 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



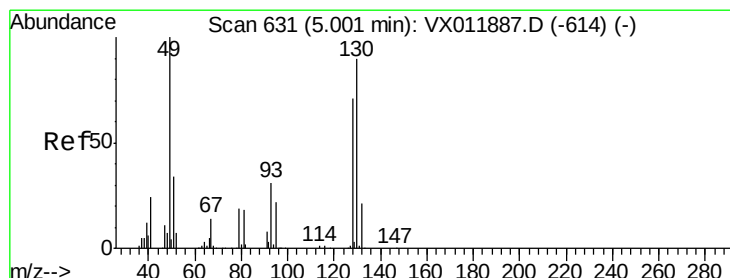
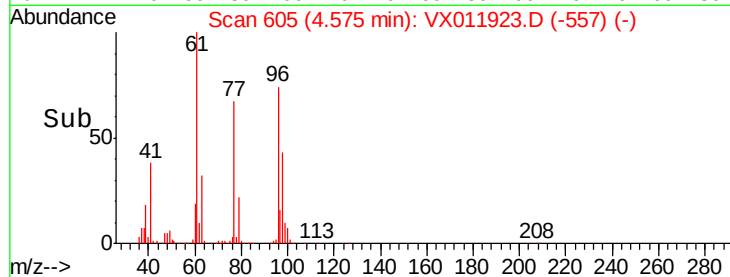
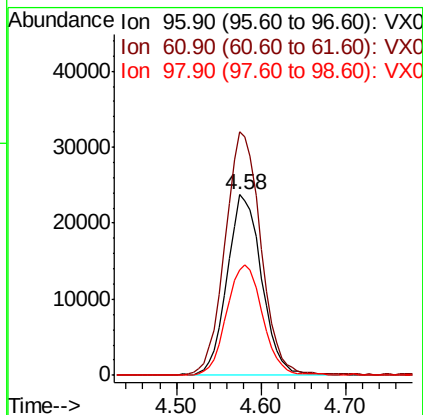
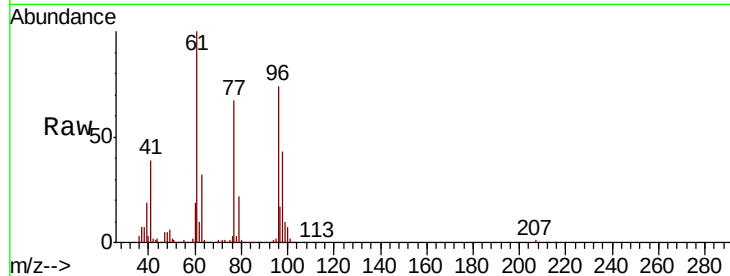


#27

cis-1,2-Dichloroethene
 Concen: 22.069 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

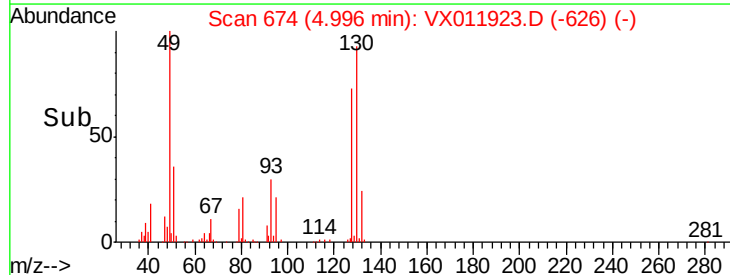
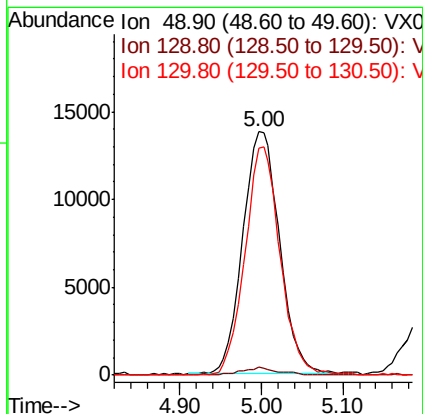
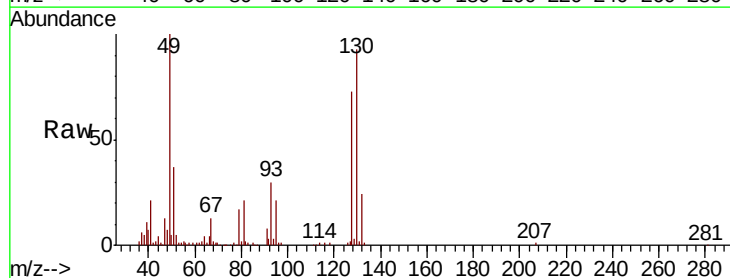
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	283.8
98	63.7	0.0	131.2

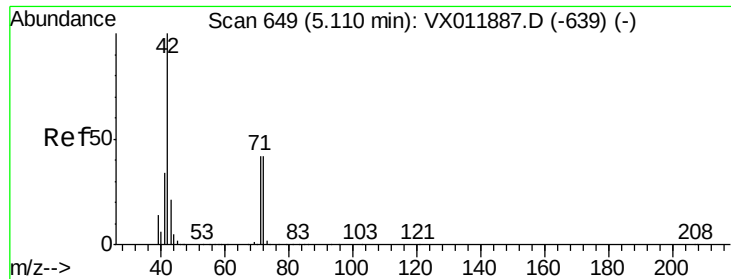


#28

Bromochloromethane
 Concen: 21.122 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	4.8
130	90.2	70.6	105.8

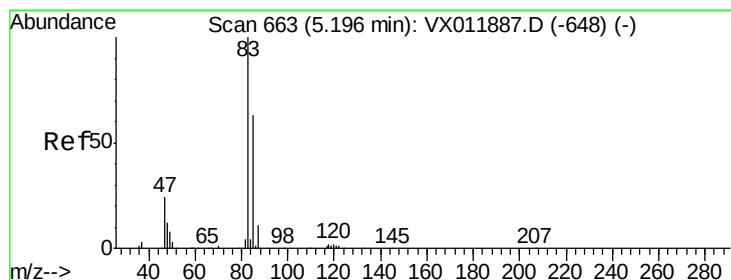
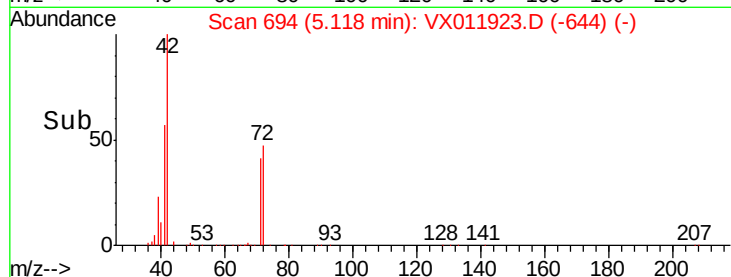
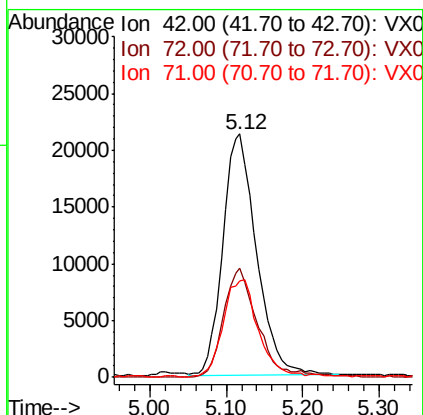
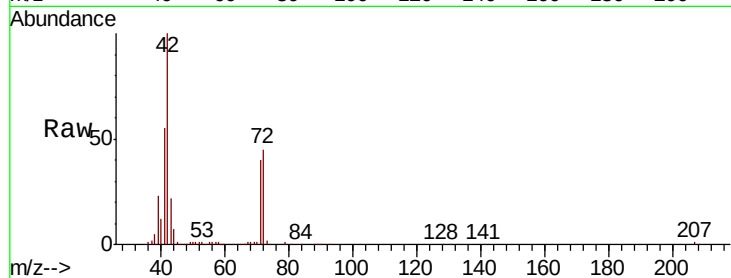




#29
Tetrahydrofuran
Concen: 111.560 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

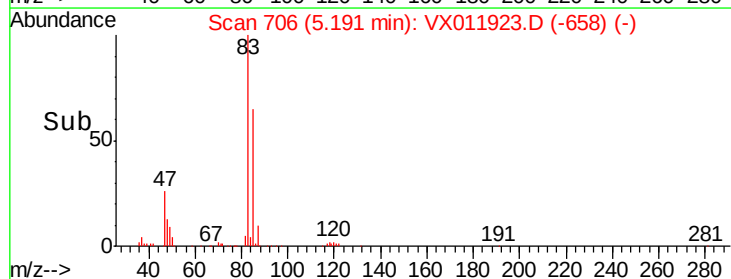
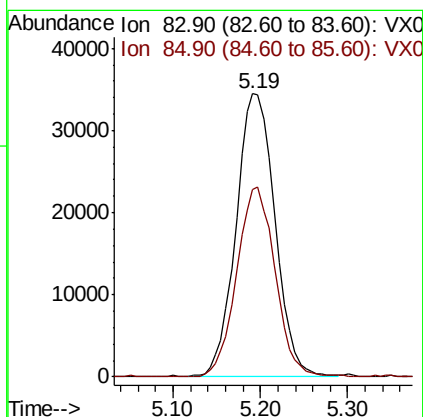
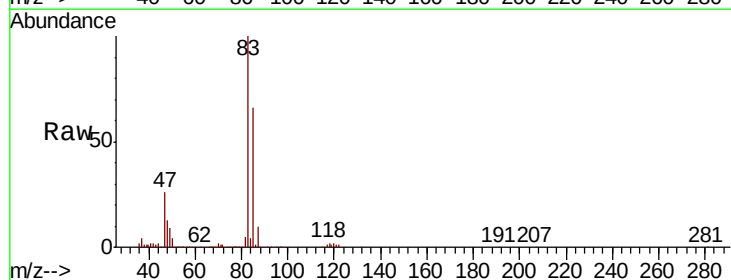
Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

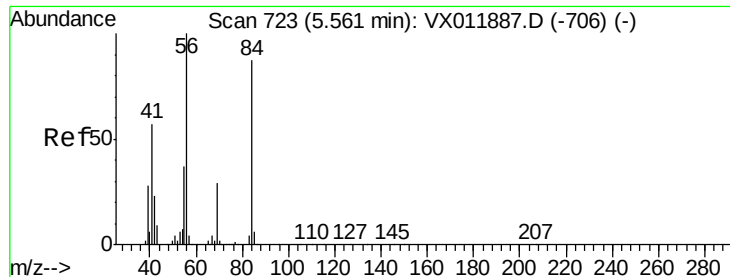
Tgt Ion: 42 Resp: 64387
Ion Ratio Lower Upper
42 100
72 46.4 36.2 54.4
71 41.4 33.1 49.7



#30
Chloroform
Concen: 21.926 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion: 83 Resp: 107091
Ion Ratio Lower Upper
83 100
85 66.1 50.6 75.8

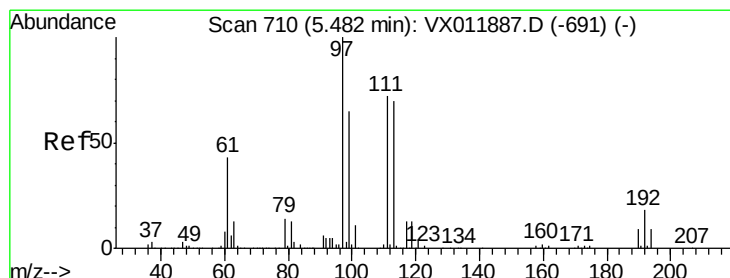
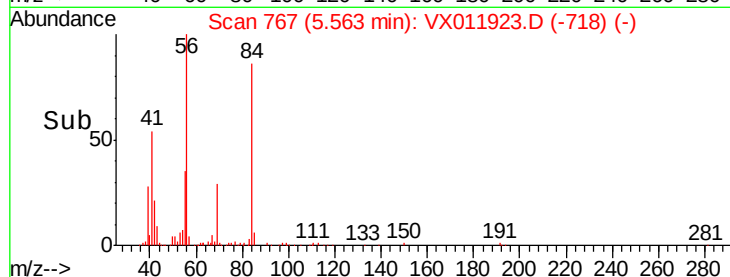
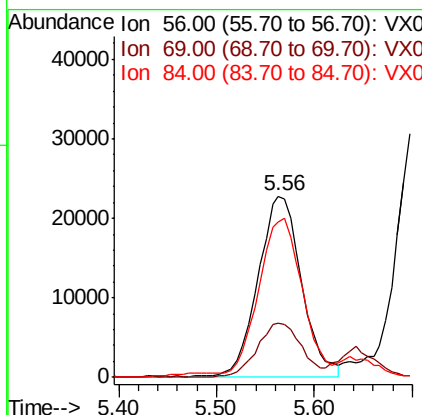
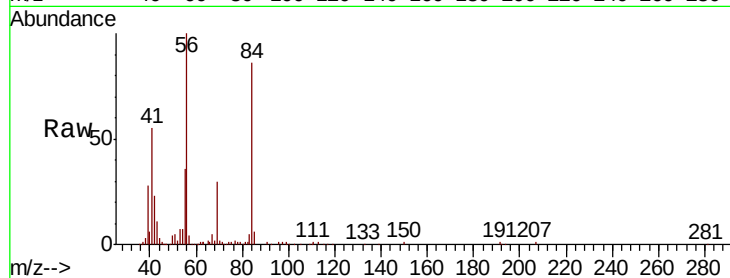




#31
Cyclohexane
Concen: 18.957 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

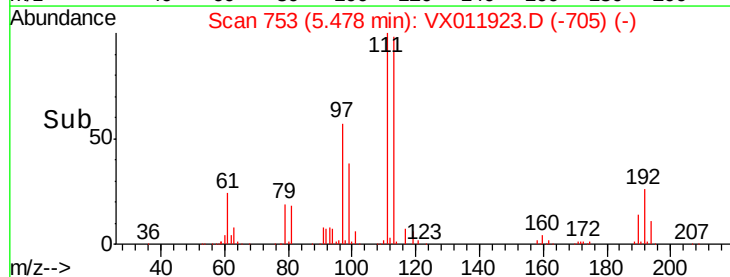
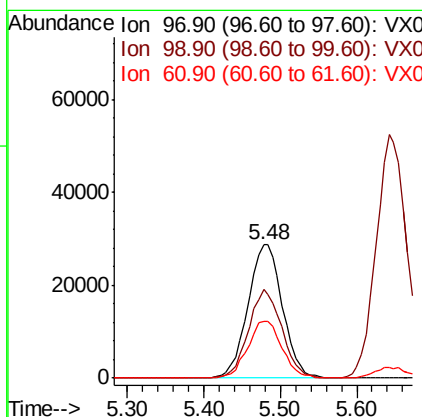
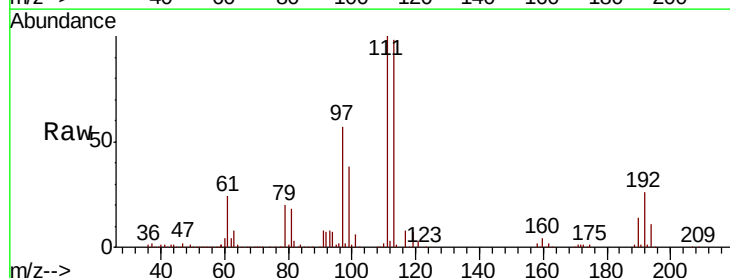
Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS02

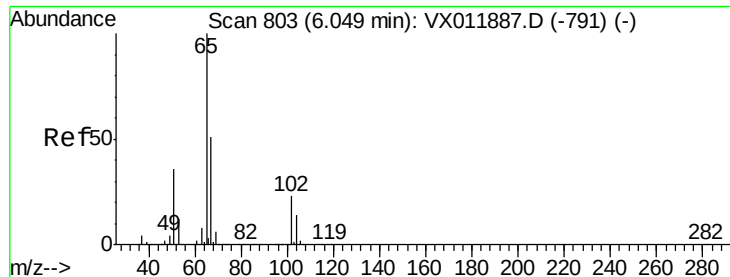
Tgt Ion: 56 Resp: 69847
Ion Ratio Lower Upper
56 100
69 29.4 23.1 34.7
84 83.9 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 20.851 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion: 97 Resp: 90464
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 42.6 33.8 50.6

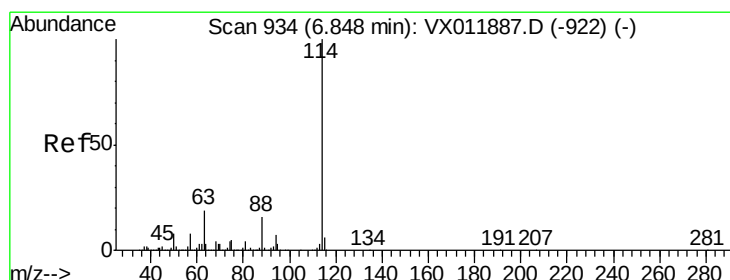
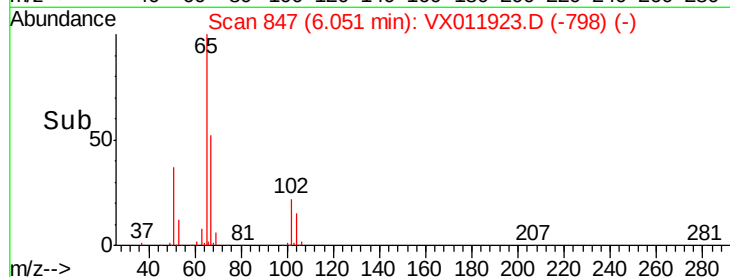
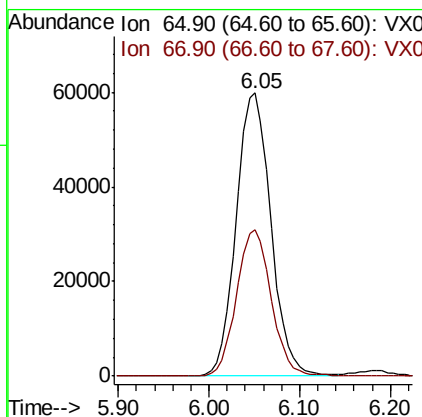
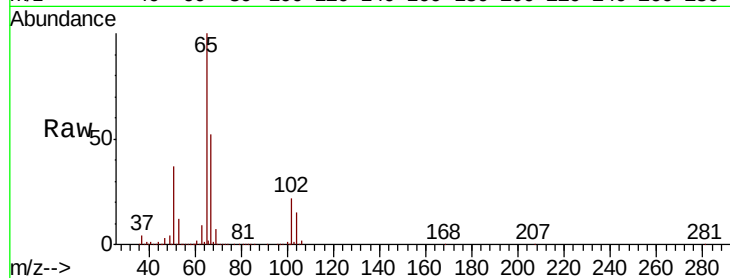




#33
 1,2-Dichloroethane-d4
 Concen: 53.880 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

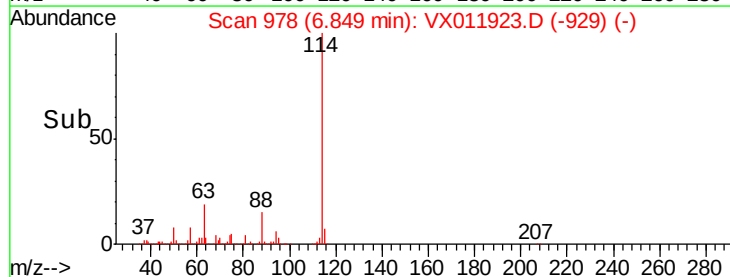
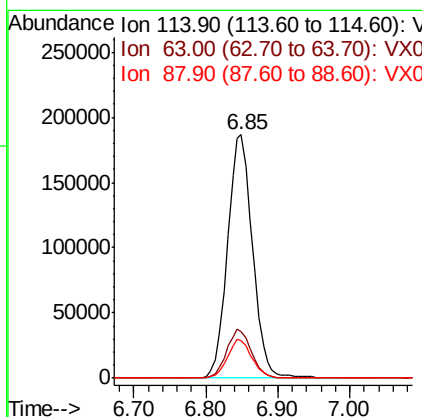
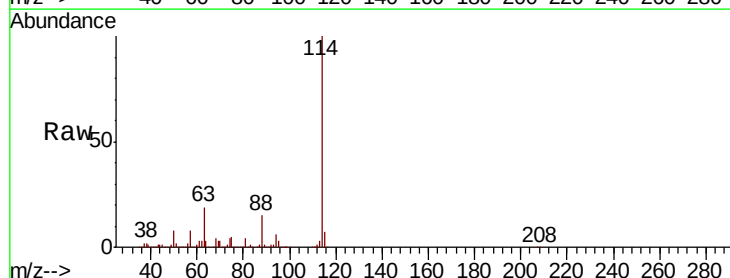
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

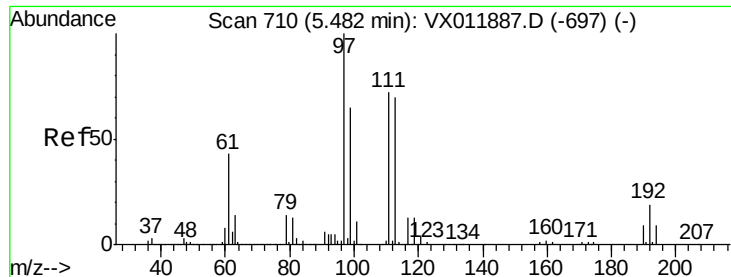
Tgt Ion: 65 Resp: 158988
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion: 114 Resp: 450205
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.8
 88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.760 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

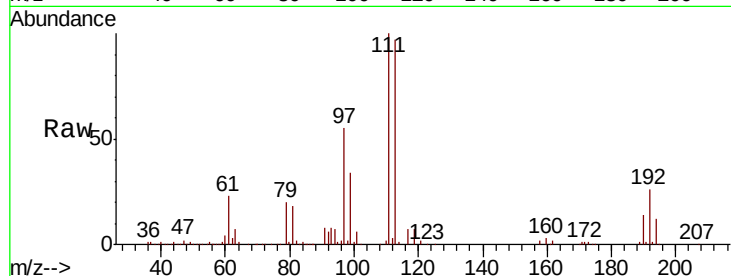
Tgt Ion: 113 Resp: 146538

Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

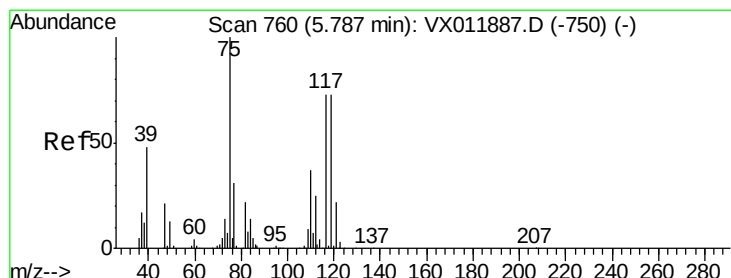
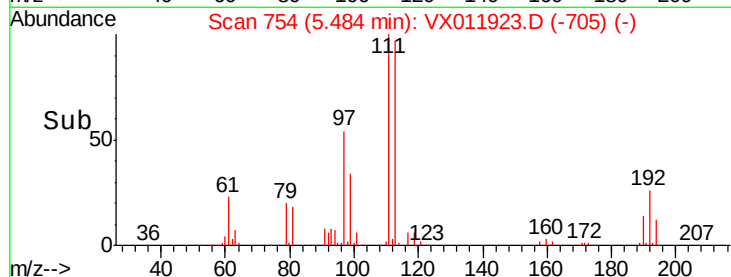
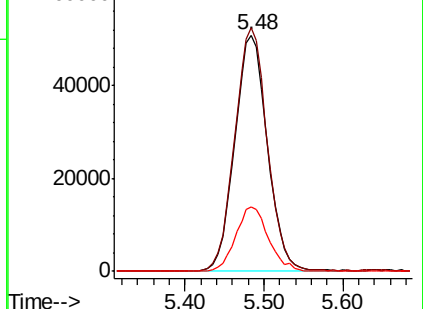
192 27.5 21.5 32.3



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: 18.668 ug/l

RT: 5.78 min Scan# 803

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

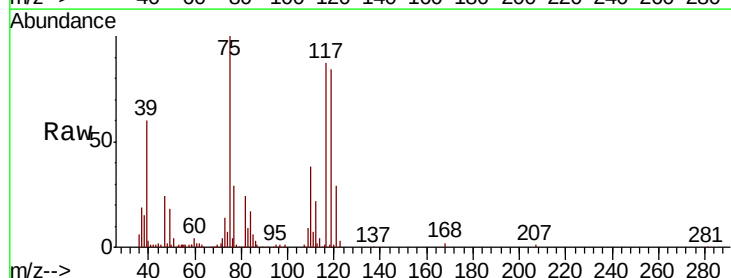
Tgt Ion: 75 Resp: 66584

Ion Ratio Lower Upper

75 100

110 39.3 19.1 57.3

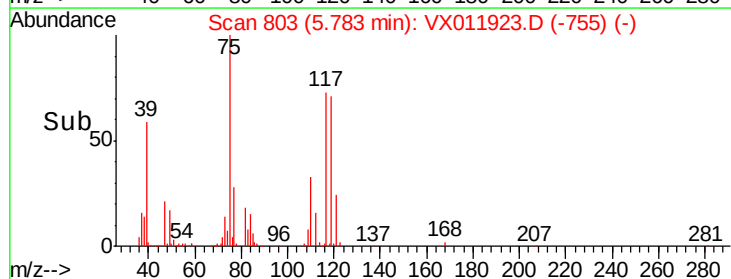
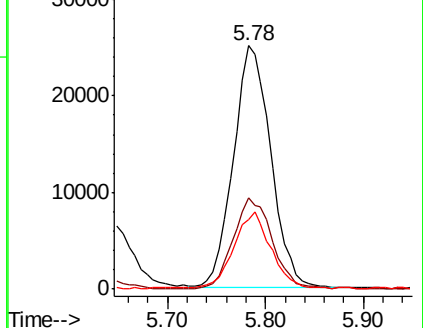
77 31.1 24.4 36.6

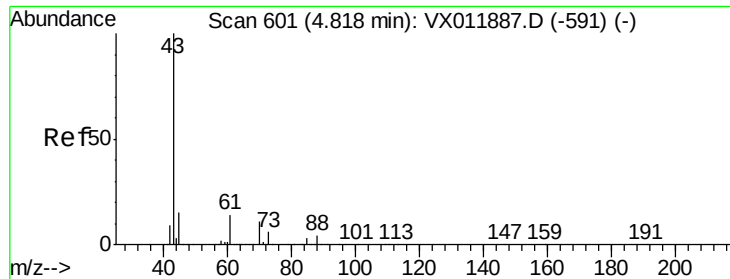


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

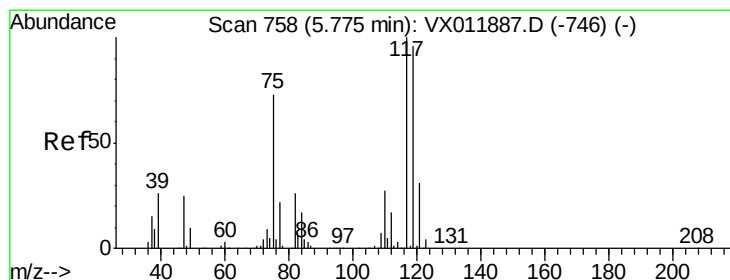
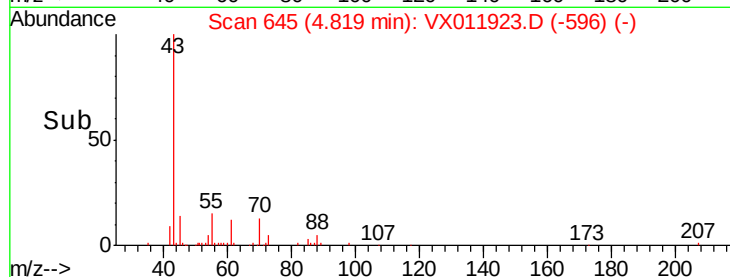
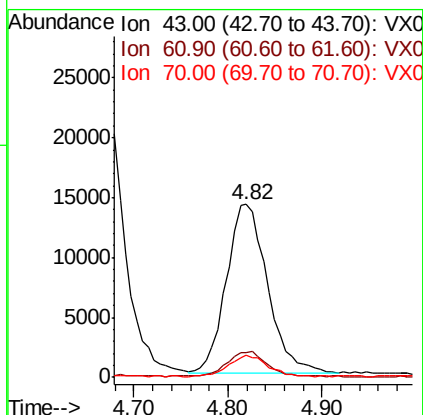
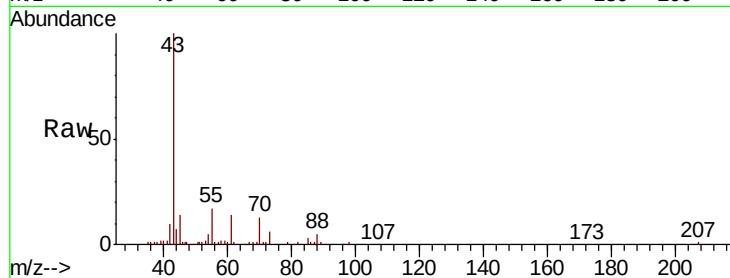




#37
Ethyl Acetate
Concen: 20.397 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

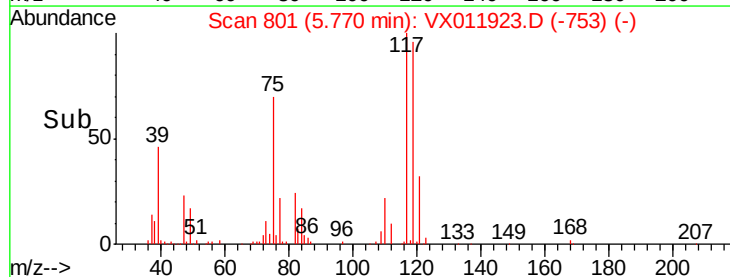
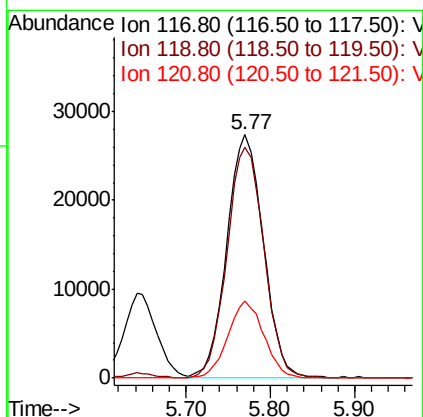
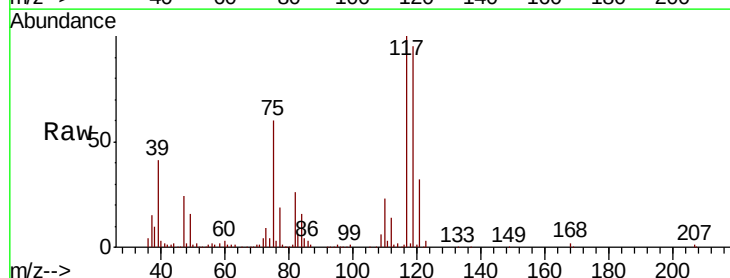
Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

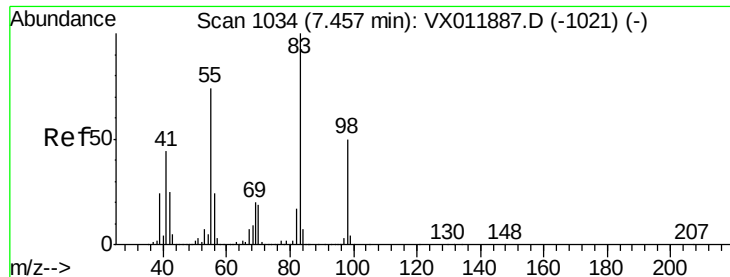
Tgt Ion: 43 Resp: 43064
Ion Ratio Lower Upper
43 100
61 14.3 11.0 16.4
70 12.1 9.2 13.8



#38
Carbon Tetrachloride
Concen: 19.356 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion: 117 Resp: 80069
Ion Ratio Lower Upper
117 100
119 94.9 76.6 114.8
121 31.7 24.7 37.1

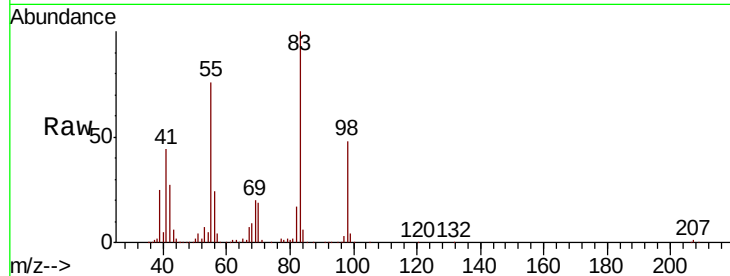




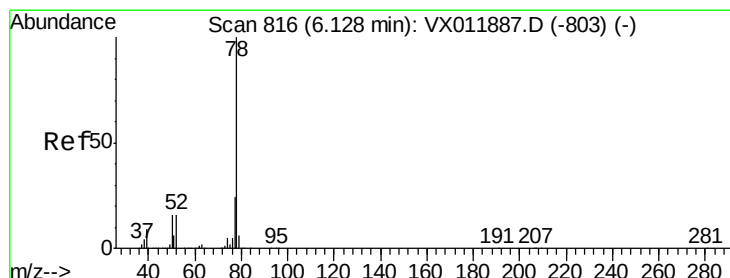
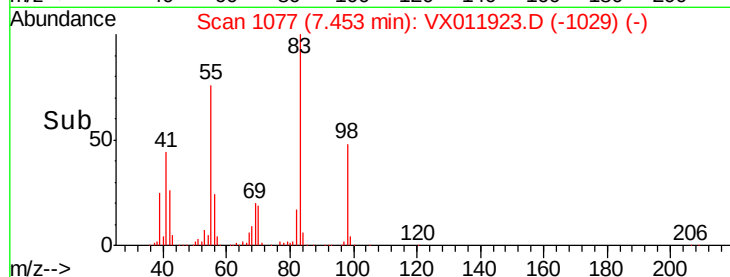
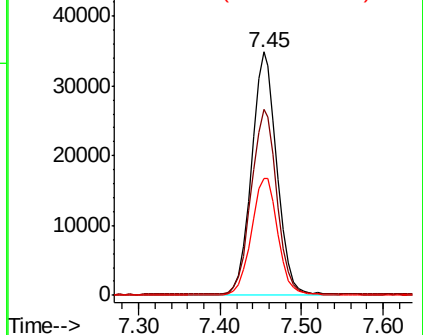
#39
Methylcyclohexane
Concen: 17.869 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

Tgt Ion: 83 Resp: 75912
Ion Ratio Lower Upper
83 100
55 75.8 59.4 89.0
98 48.2 40.3 60.5

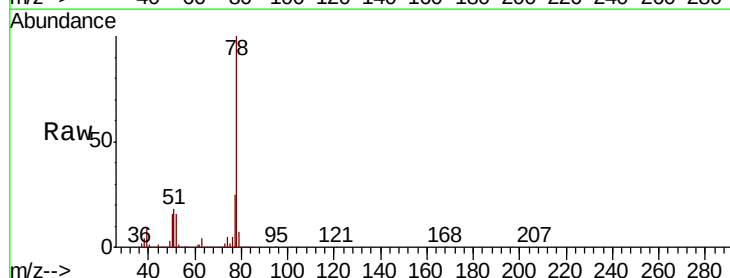


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

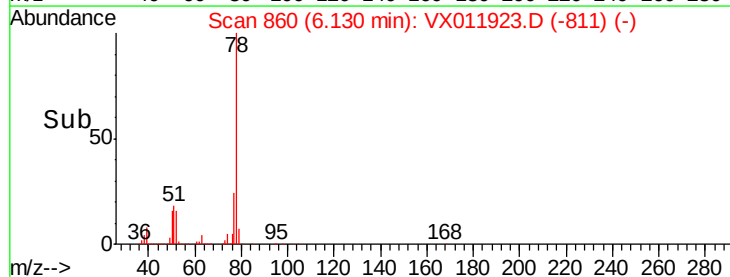
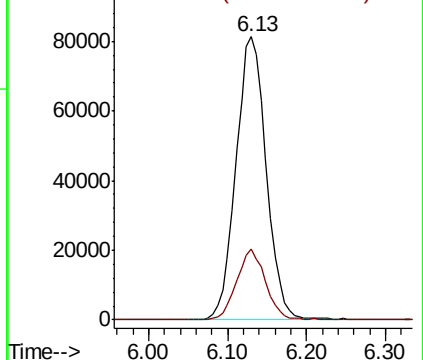


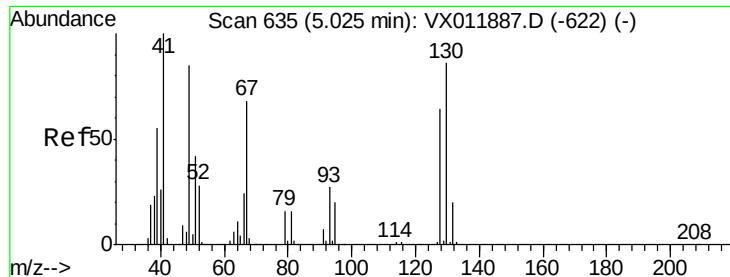
#40
Benzene
Concen: 20.398 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion: 78 Resp: 217164
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6



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

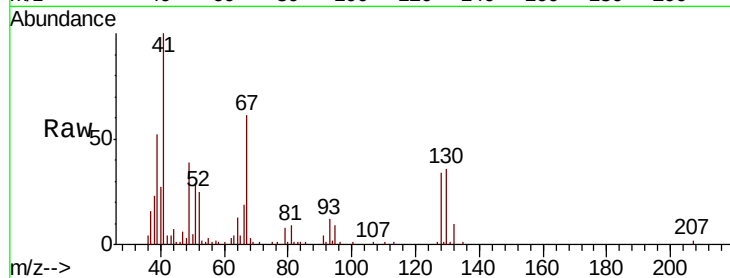




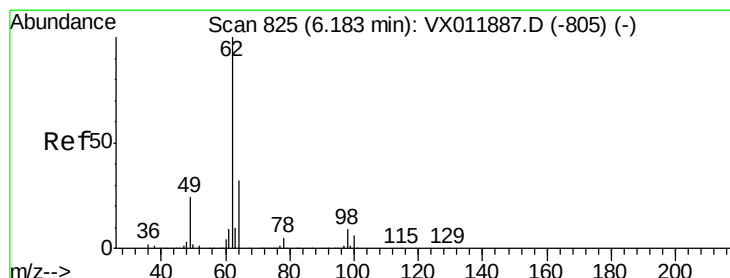
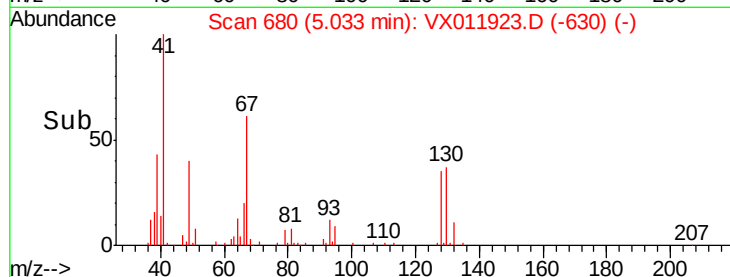
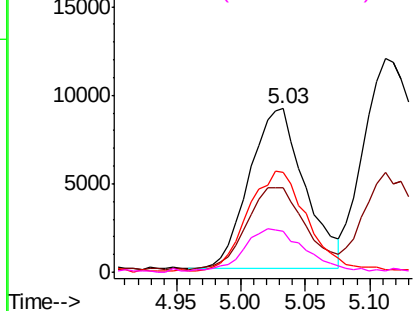
#41
Methacrylonitrile
Concen: 21.778 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

Tgt Ion:	41	Resp:	27073
Ion	Ratio	Lower	Upper
41	100		
39	54.6	45.0	67.6
67	67.8	55.0	82.4
52	28.3	24.1	36.1

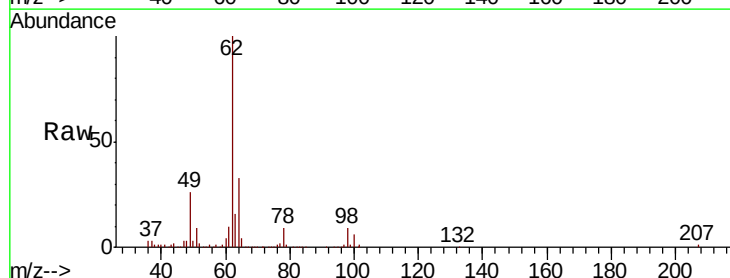


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

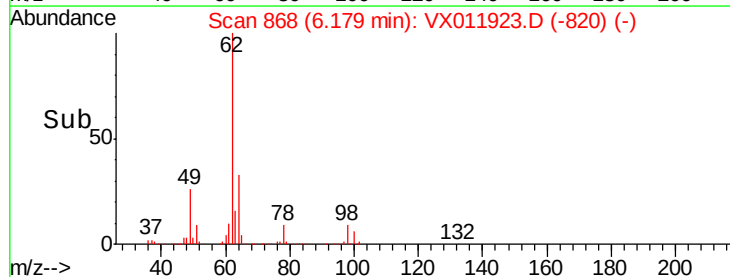
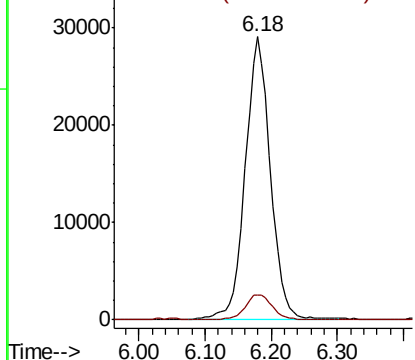


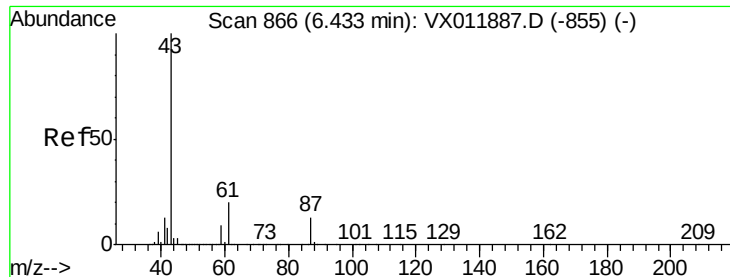
#42
1,2-Dichloroethane
Concen: 21.341 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion:	62	Resp:	77267
Ion	Ratio	Lower	Upper
62	100		
98	9.5	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: 20.552 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBSD02

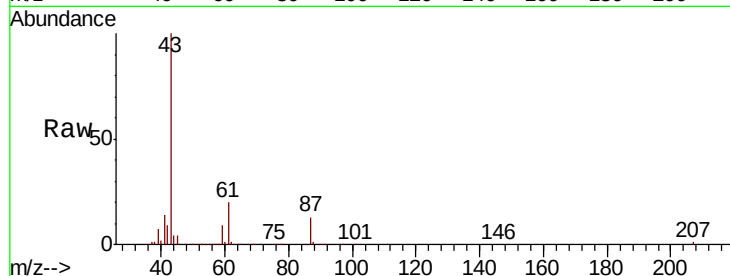
Tgt Ion: 43 Resp: 87971

Ion Ratio Lower Upper

43 100

61 20.4 16.1 24.1

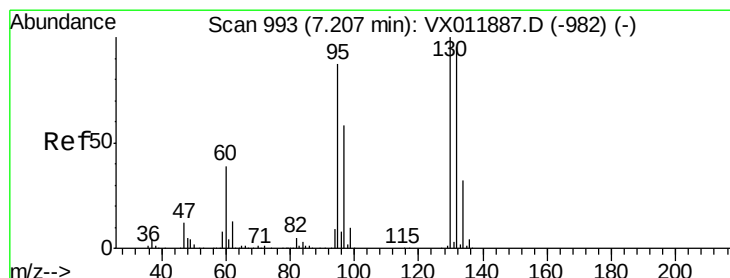
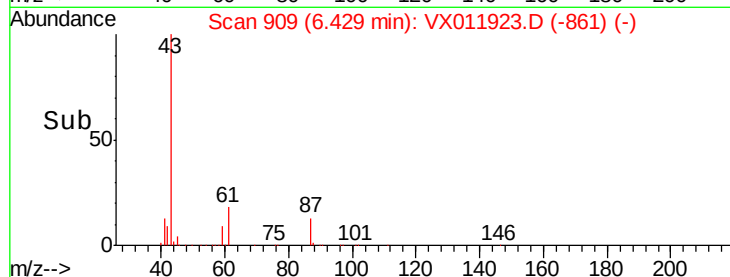
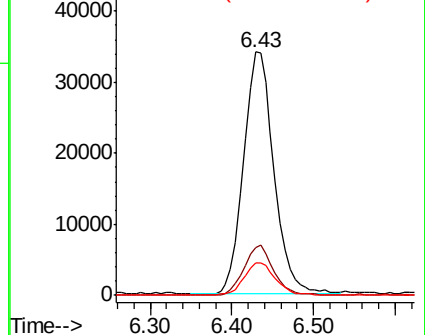
87 14.0 10.6 16.0



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: 19.996 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX011923.D

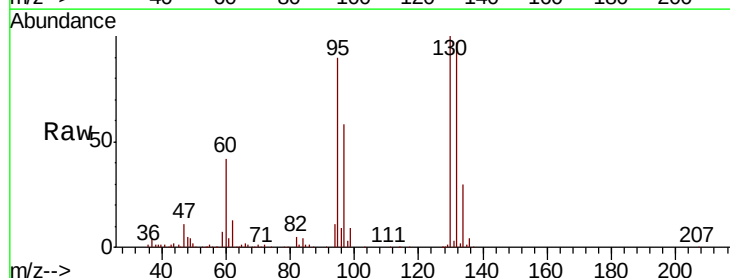
Acq: 30 Aug 2019 23:31

Tgt Ion: 130 Resp: 65867

Ion Ratio Lower Upper

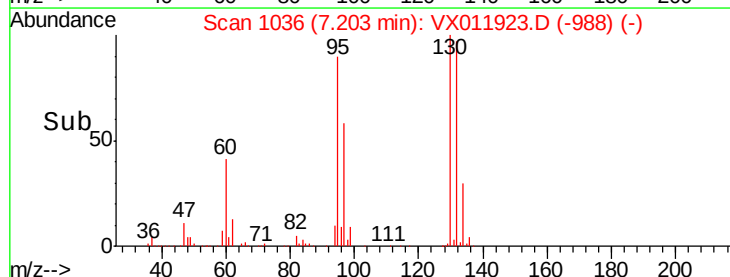
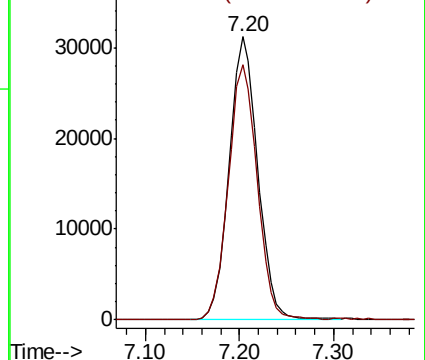
130 100

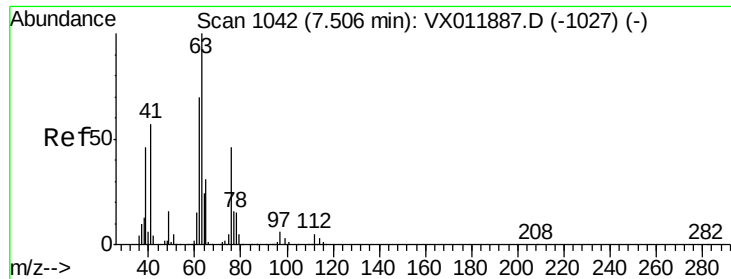
95 90.0 0.0 174.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

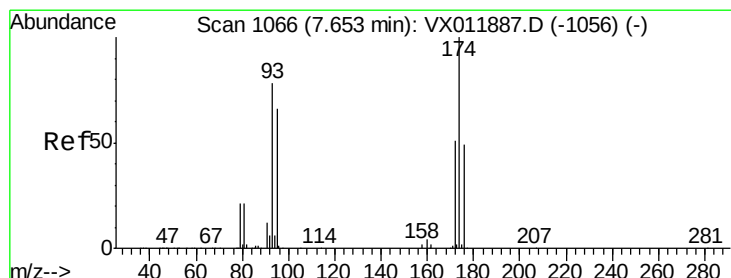
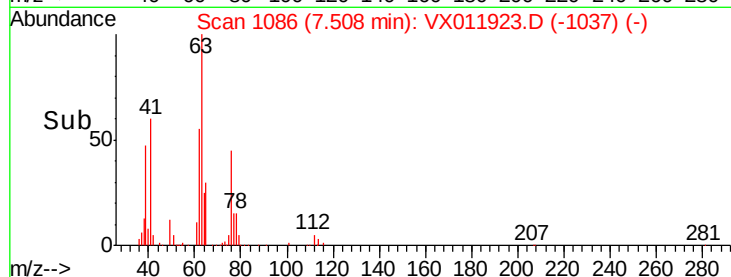
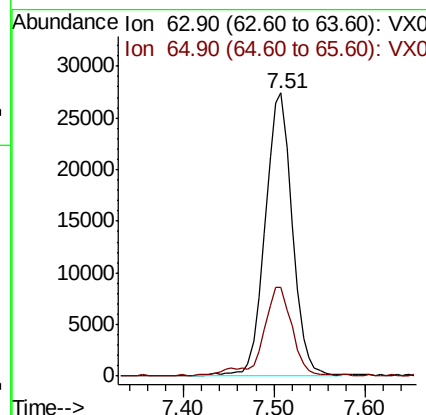
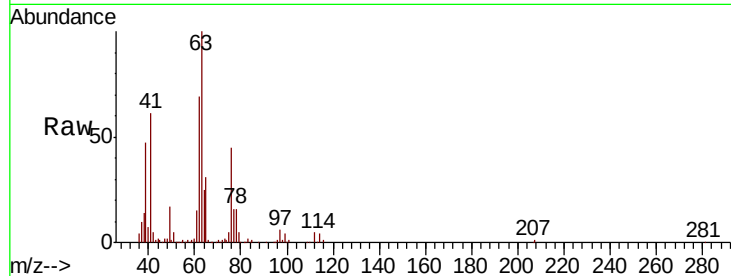




#45
 1,2-Dichloropropane
 Concen: 20.474 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

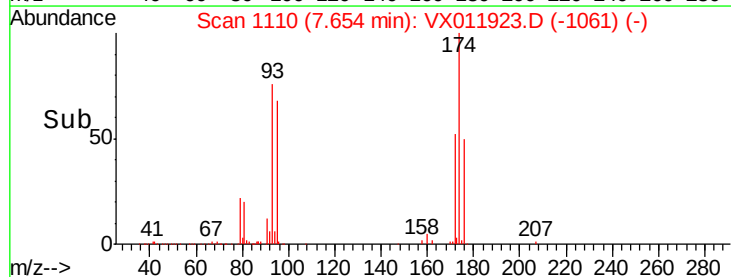
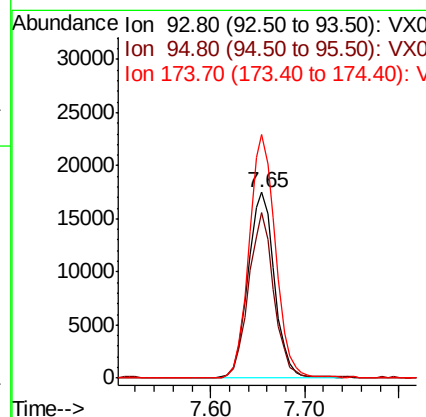
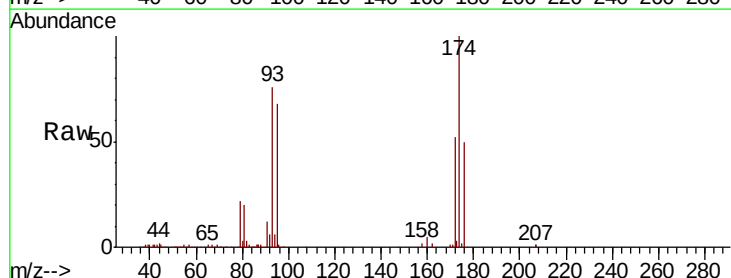
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

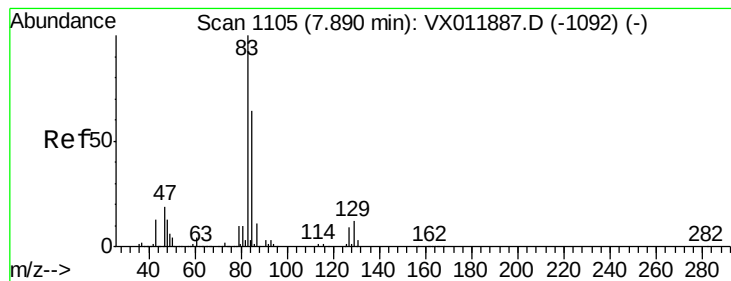
Tgt Ion: 63 Resp: 57016
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.1 37.7



#46
 Dibromomethane
 Concen: 20.879 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion: 93 Resp: 34508
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.7 98.5
 174 130.6 104.2 156.4





#47

Bromodichloromethane

Concen: 20.823 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

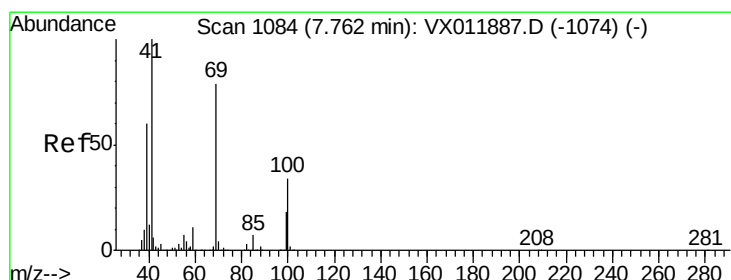
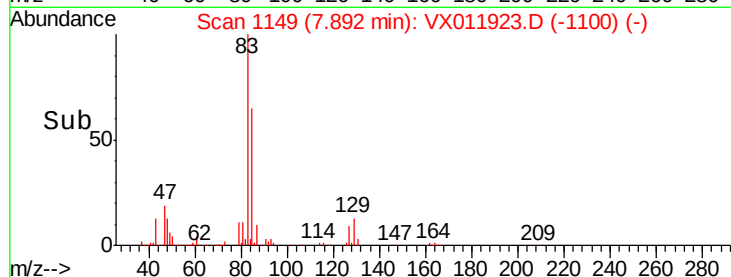
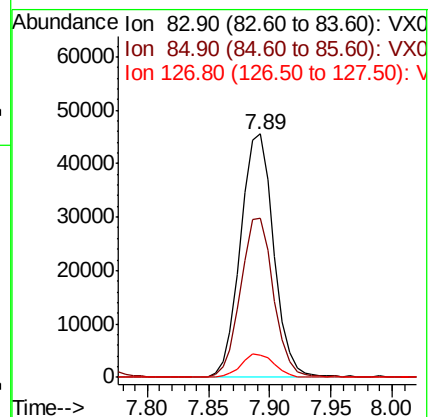
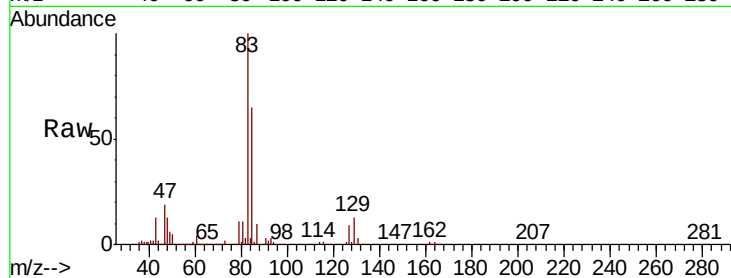
Tgt Ion: 83 Resp: 85338

Ion Ratio Lower Upper

83 100

85 65.2 51.1 76.7

127 9.4 7.4 11.2



#48

Methyl methacrylate

Concen: 20.995 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

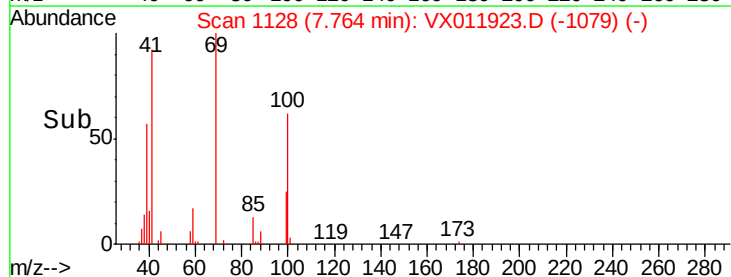
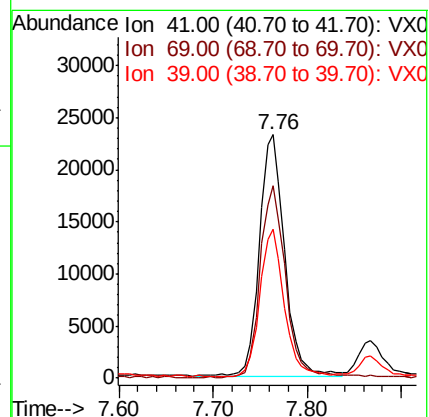
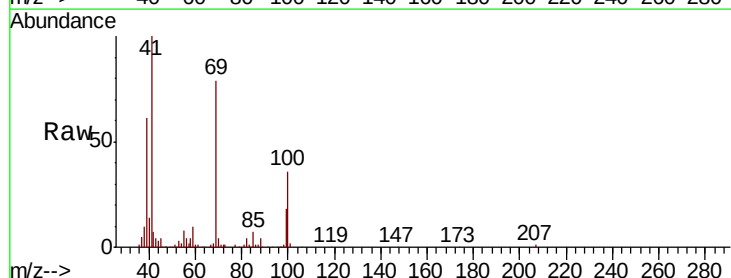
Tgt Ion: 41 Resp: 43726

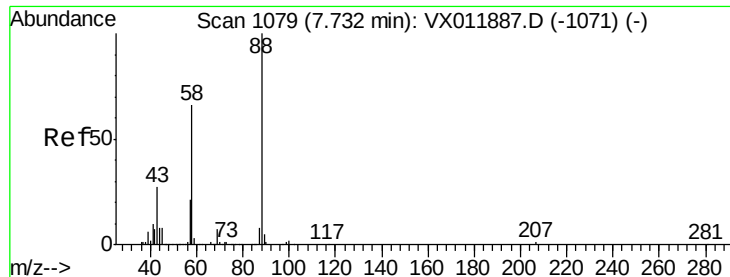
Ion Ratio Lower Upper

41 100

69 80.4 64.4 96.6

39 59.4 47.2 70.8

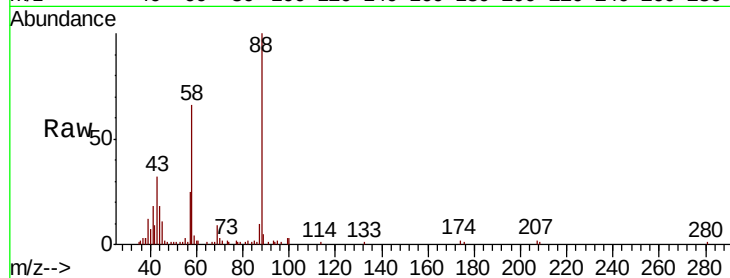




#49
 1,4-Dioxane
 Concen: 446.540 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBSD02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.3	40.9
58	71.3	53.9	80.9

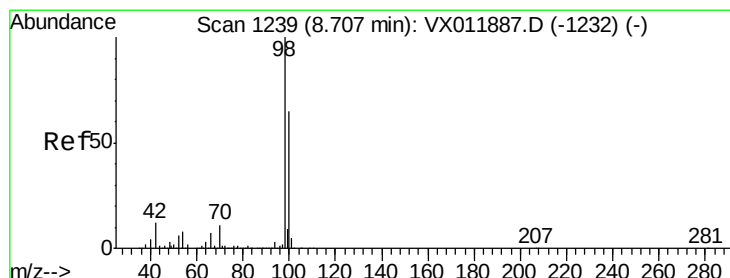
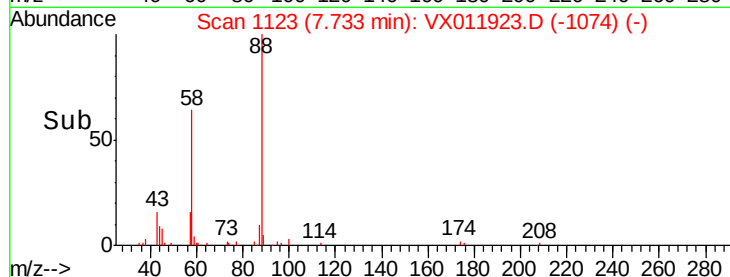
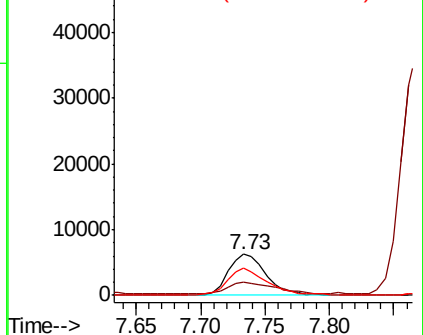


Abundance

Ion 88.00 (87.70 to 88.70): VX0

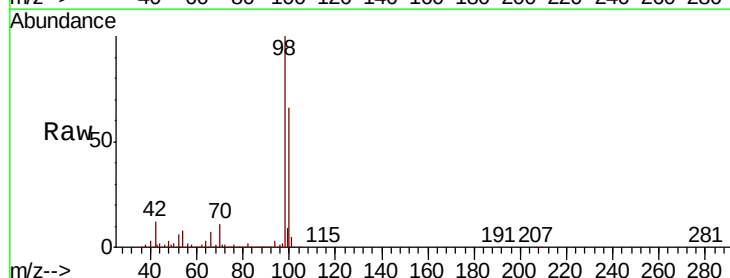
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 51.281 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

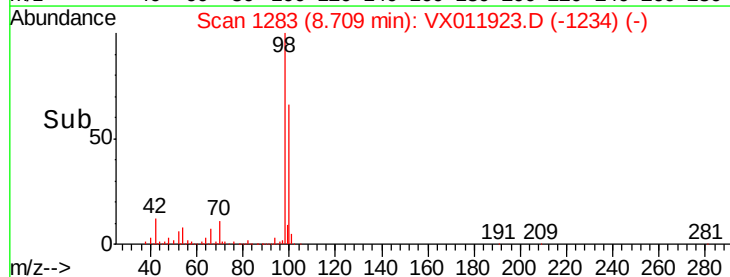
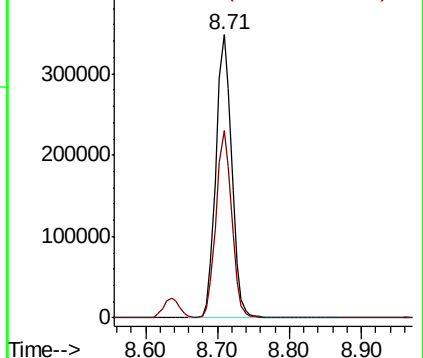
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.6

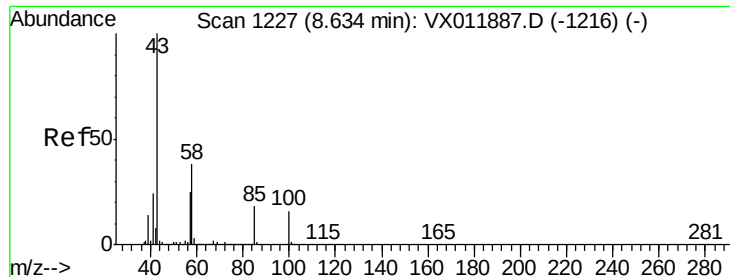


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

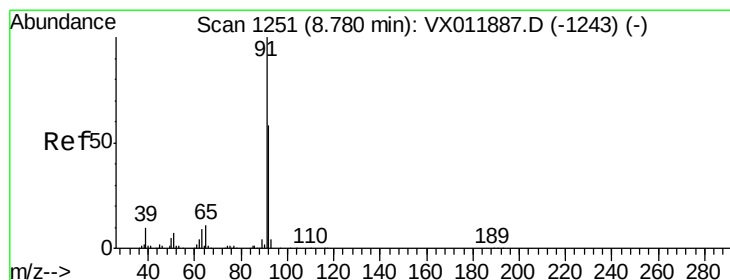
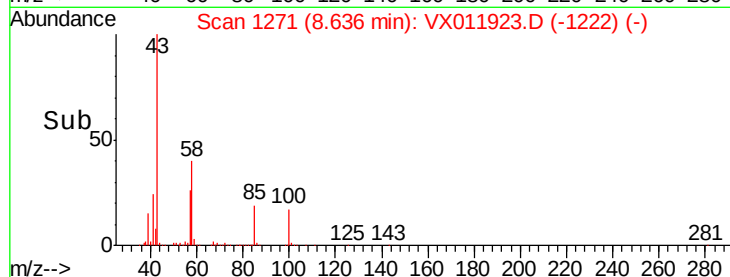
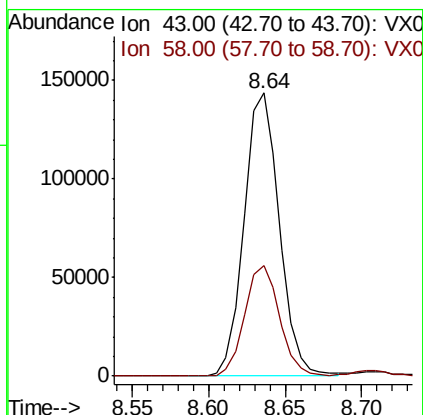
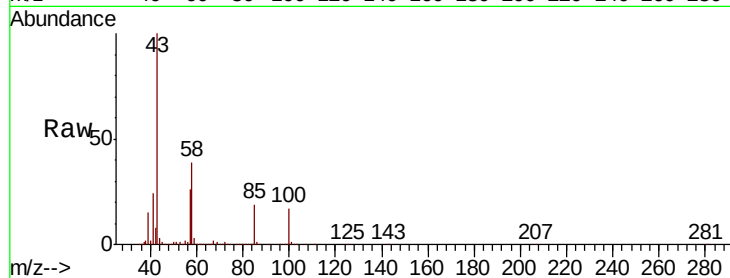




#51
 4-Methyl-2-Pentanone
 Concen: 105.435 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

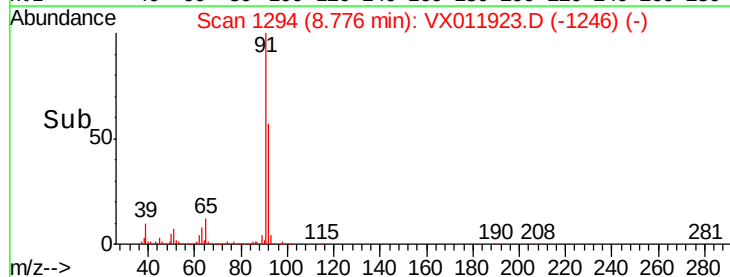
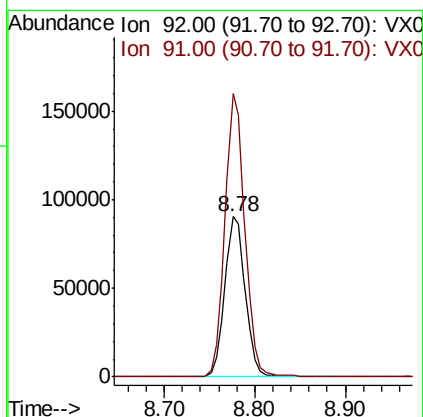
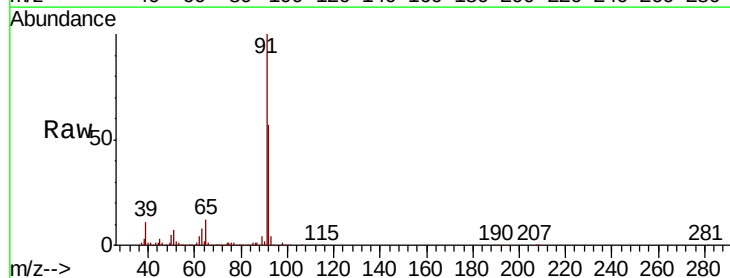
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

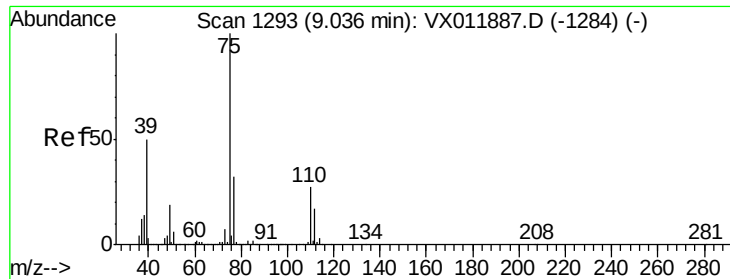
Tgt Ion: 43 Resp: 229272
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3



#52
 Toluene
 Concen: 20.215 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion: 92 Resp: 142379
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 20.570 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

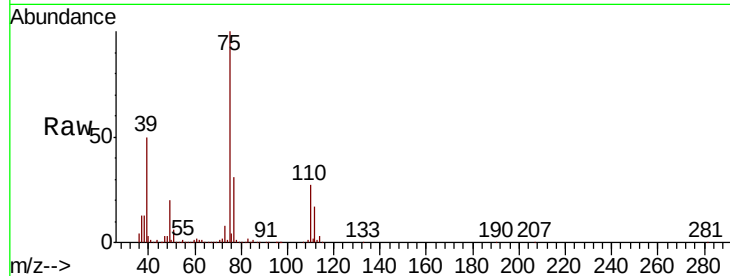
VX0830SBS02

Tgt Ion: 75 Resp: 86356

Ion Ratio Lower Upper

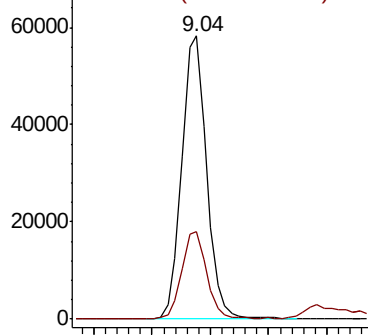
75 100

77 30.6 25.6 38.4

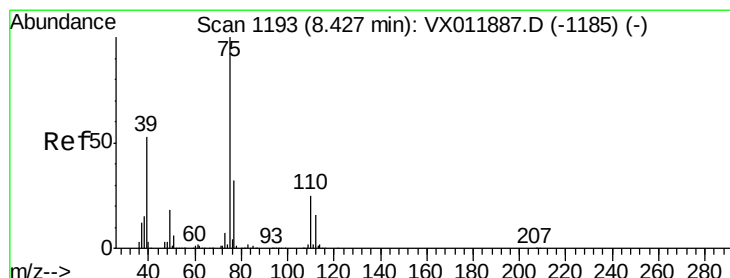
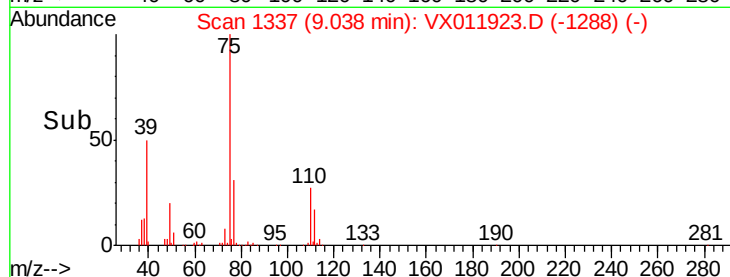


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.300 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

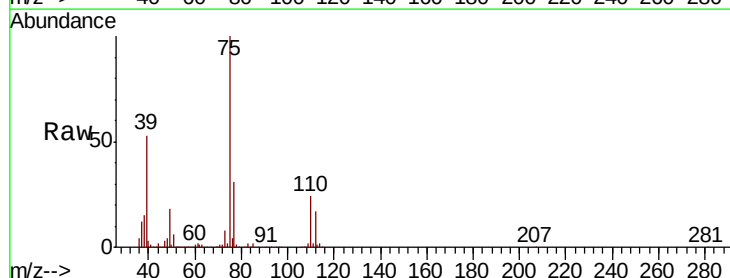
Tgt Ion: 75 Resp: 95665

Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3

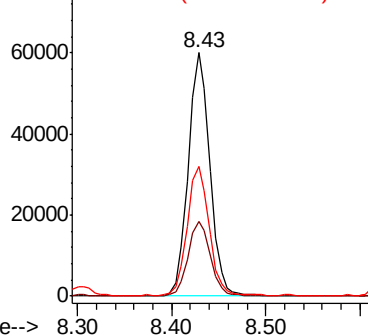
39 52.7 42.6 64.0



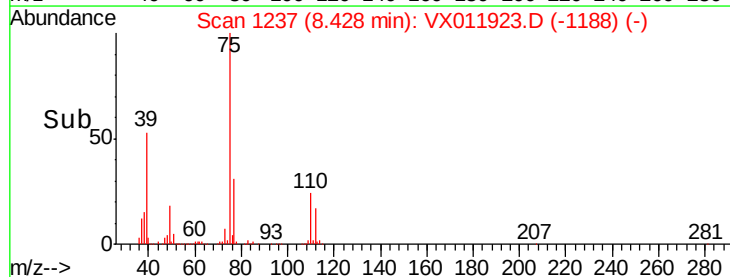
Abundance Ion 74.90 (74.60 to 75.60): VX0

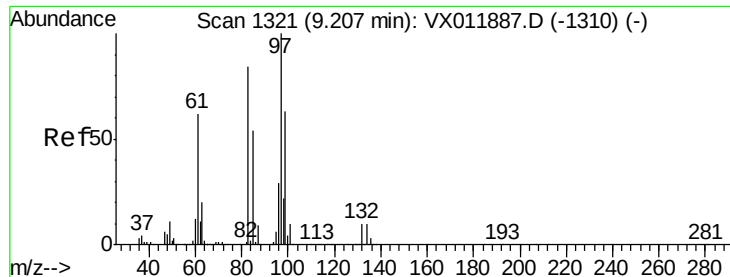
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->

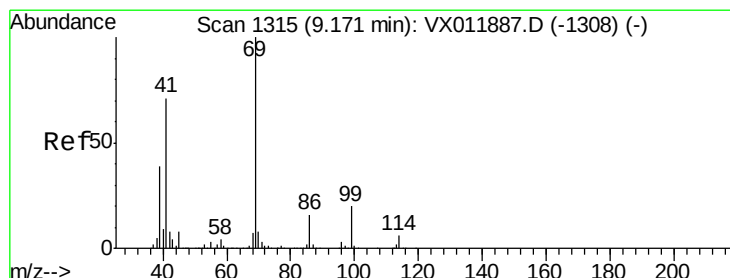
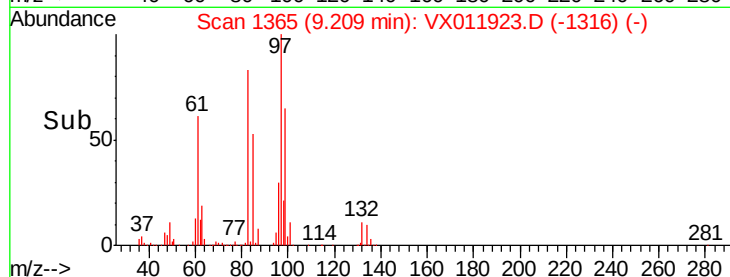
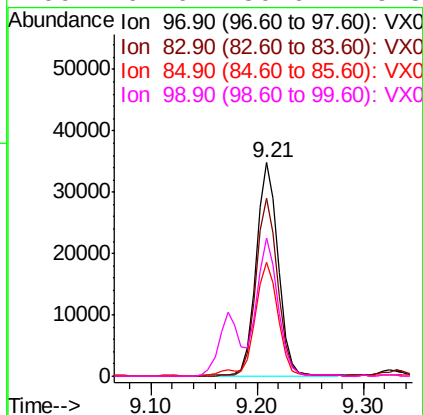
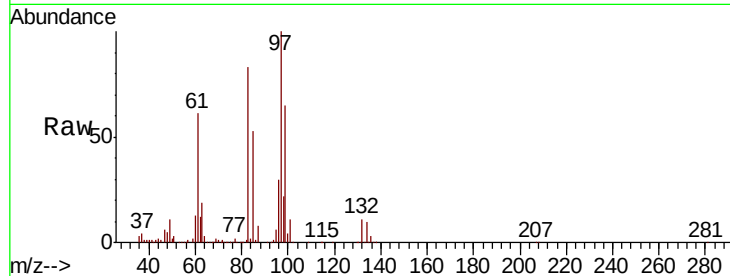




#55
 1,1,2-Trichloroethane
 Concen: 20.996 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

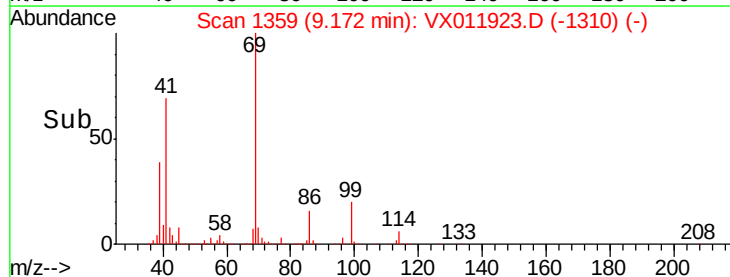
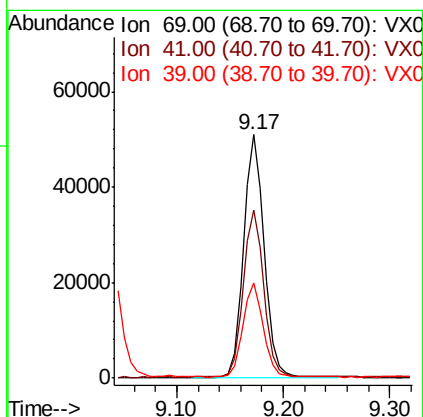
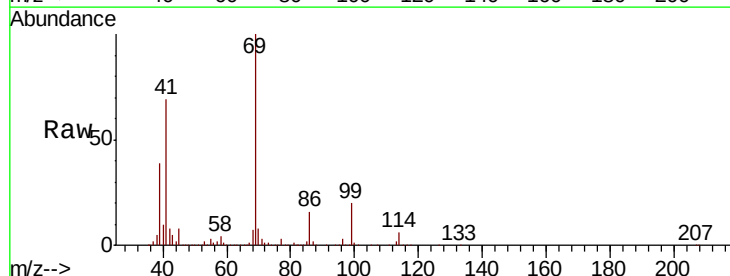
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBSD02

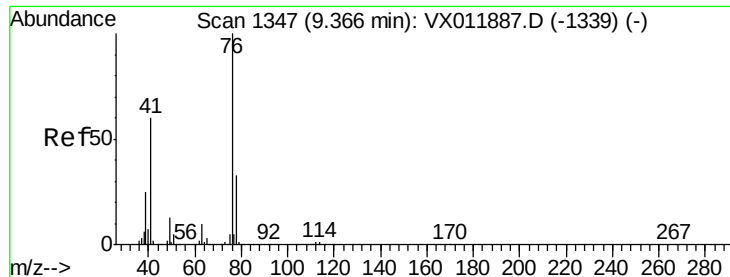
Tgt Ion:	97	Resp:	50802
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.8	100.2
85	52.8	43.5	65.3
99	64.6	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 20.659 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion:	69	Resp:	69376
Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.8	83.8
39	38.3	31.1	46.7





#57

1,3-Dichloropropane

Concen: 20.919 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

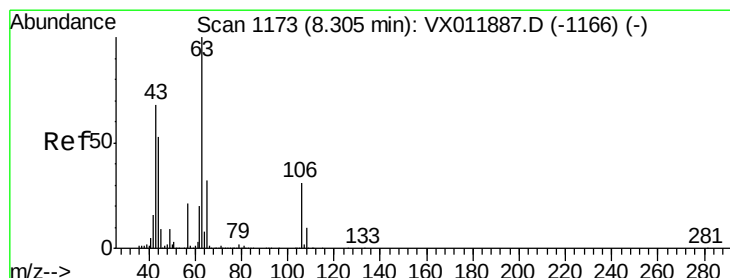
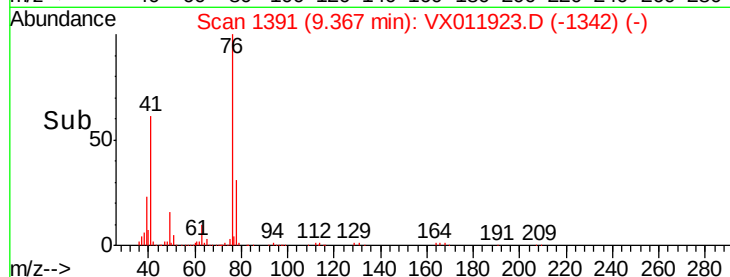
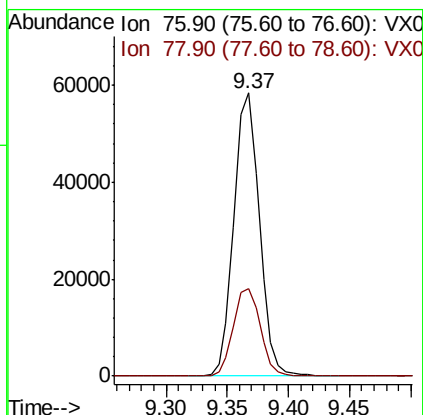
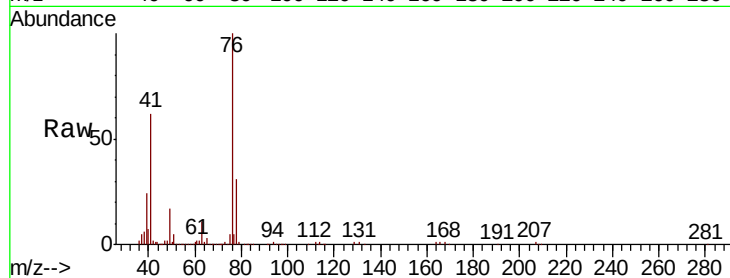
VX0830SBS02

Tgt Ion: 76 Resp: 84010

Ion Ratio Lower Upper

76 100

78 33.2 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 104.547 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011923.D

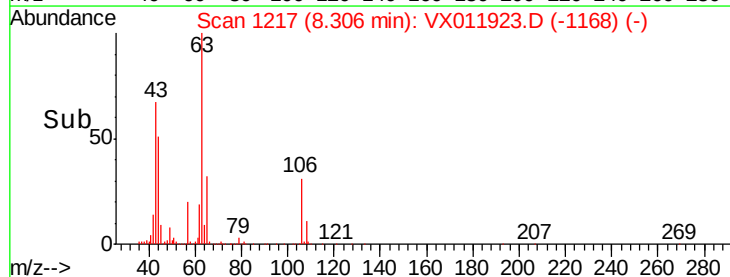
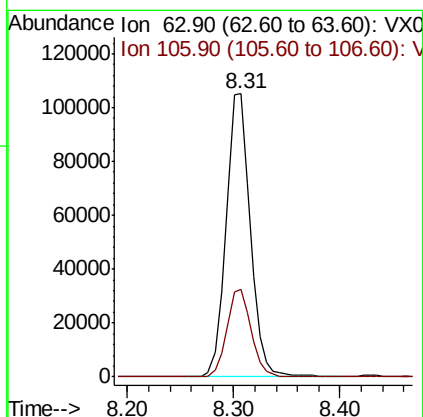
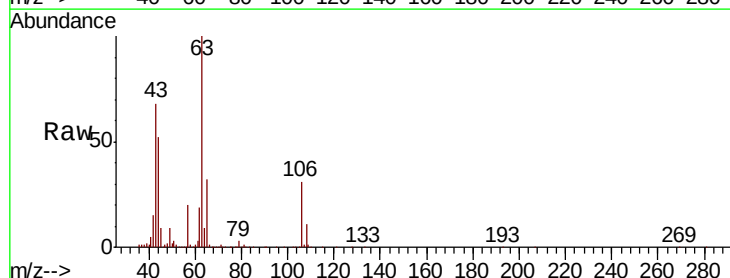
Acq: 30 Aug 2019 23:31

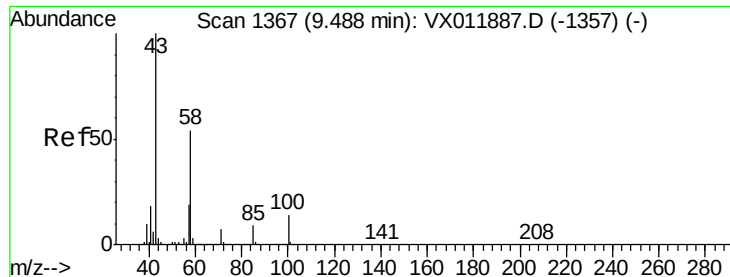
Tgt Ion: 63 Resp: 167216

Ion Ratio Lower Upper

63 100

106 31.7 24.8 37.2

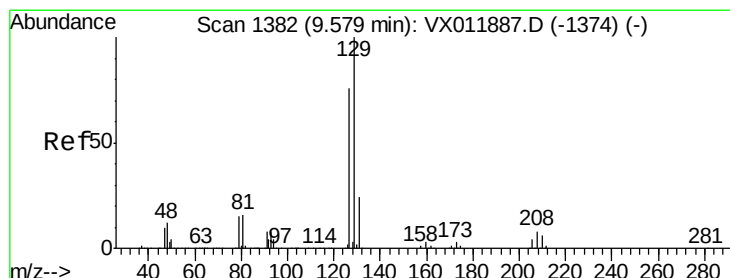
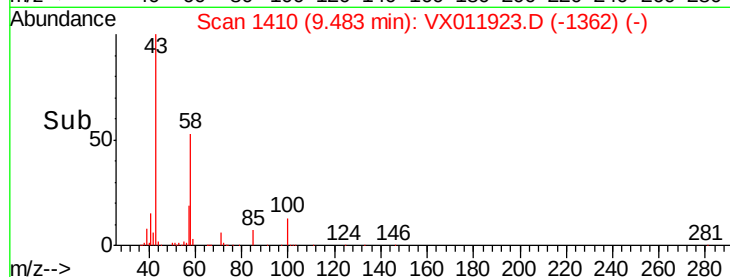
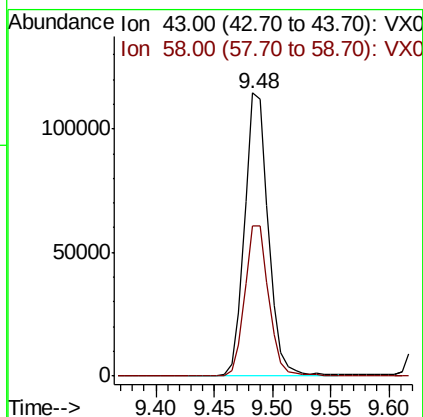
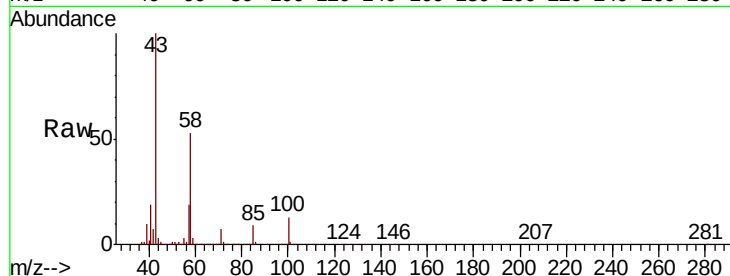




#59
2-Hexanone
Concen: 105.047 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

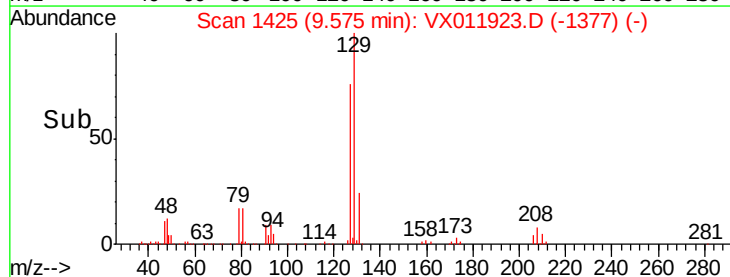
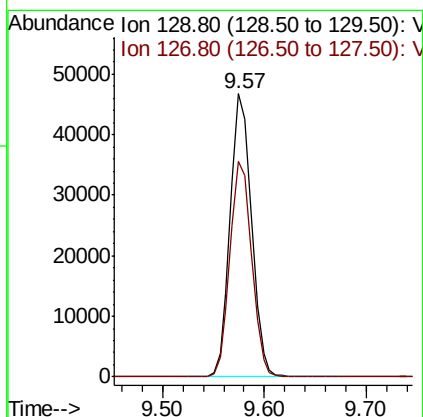
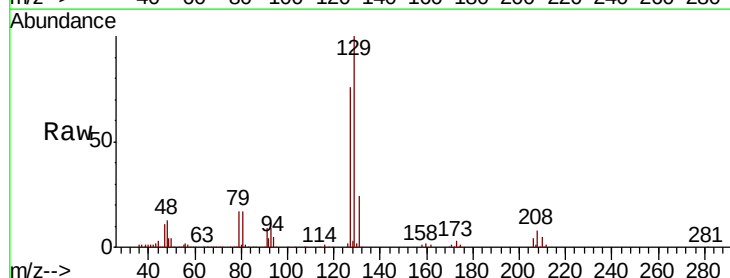
Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

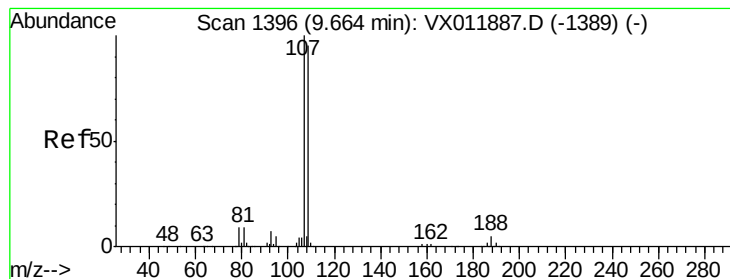
Tgt Ion: 43 Resp: 162261
Ion Ratio Lower Upper
43 100
58 53.7 26.8 80.4



#60
Dibromochloromethane
Concen: 20.852 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion: 129 Resp: 67762
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.023 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

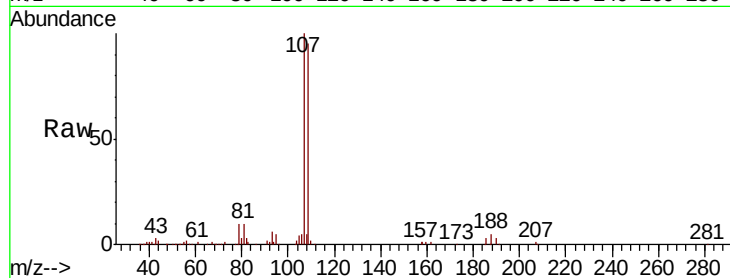
VX0830SBSD02

Tgt Ion: 107 Resp: 50433

Ion Ratio Lower Upper

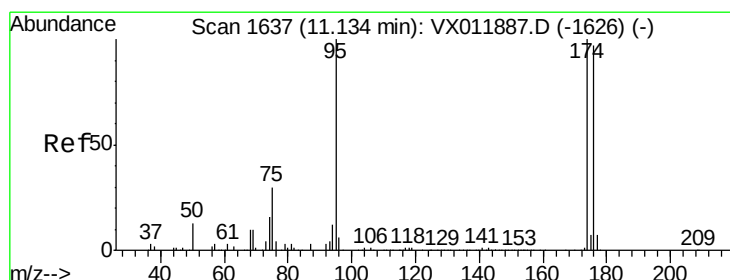
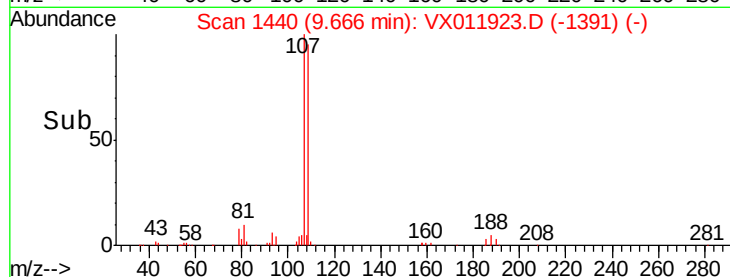
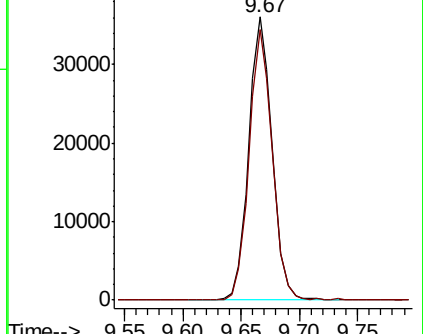
107 100

109 95.4 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.657 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

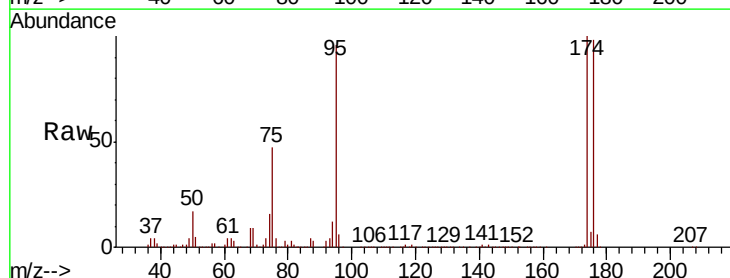
Tgt Ion: 95 Resp: 220267

Ion Ratio Lower Upper

95 100

174 99.2 0.0 196.0

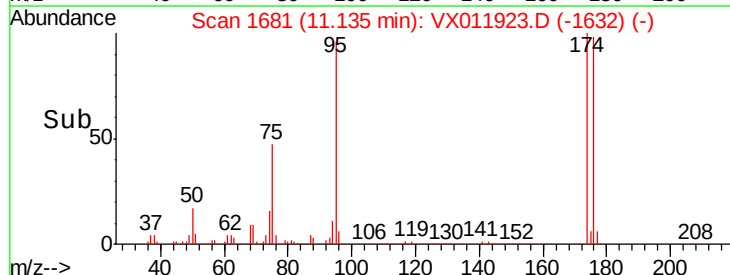
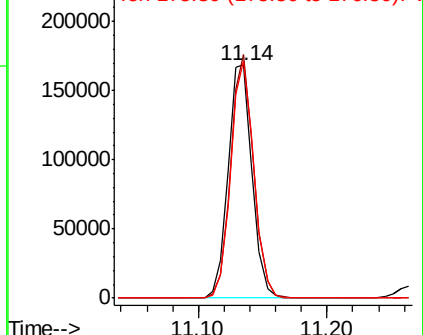
176 97.7 0.0 191.4

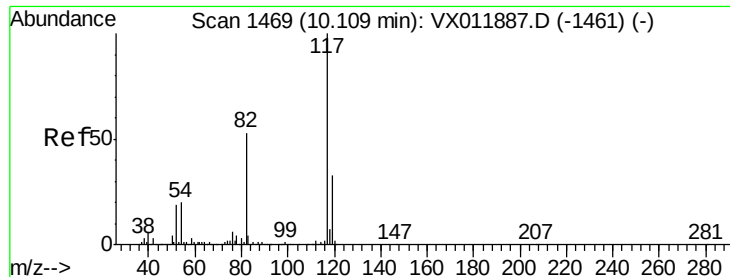


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

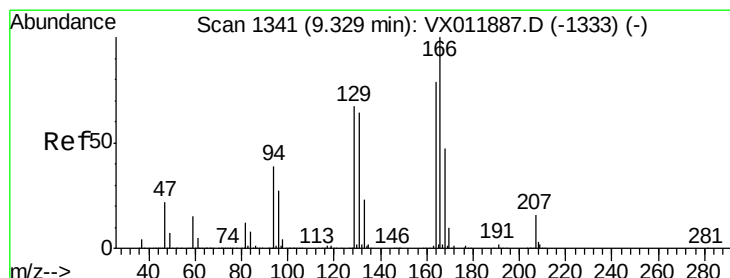
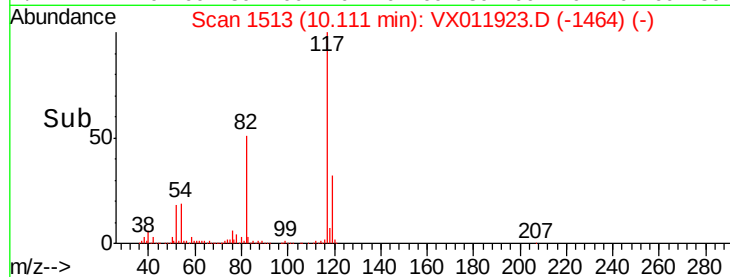
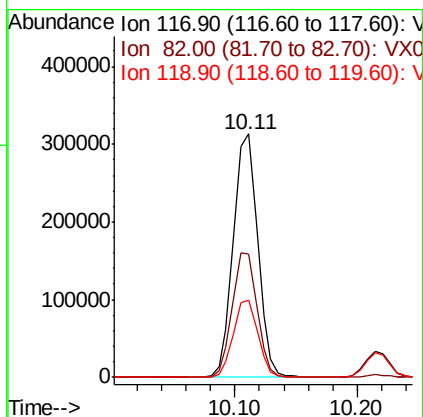
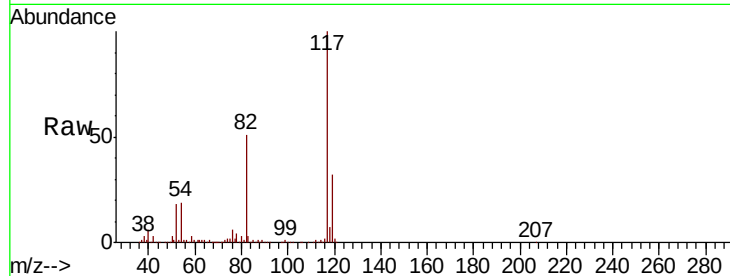




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

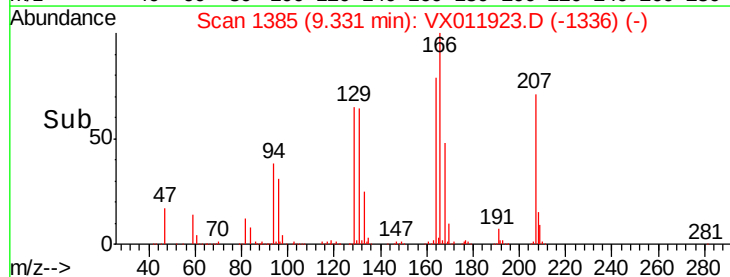
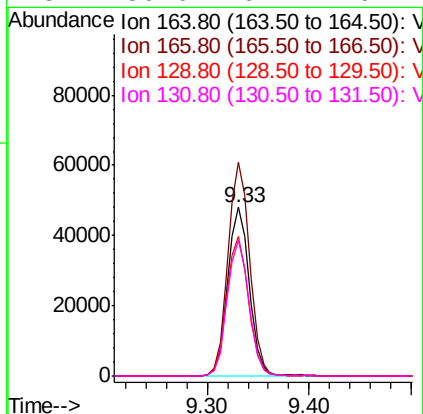
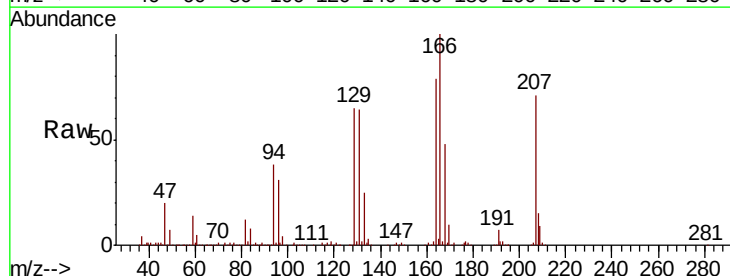
Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

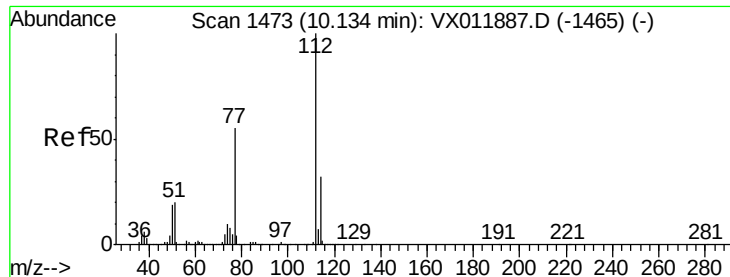
Tgt Ion:117 Resp: 431389
Ion Ratio Lower Upper
117 100
82 50.6 42.0 63.0
119 31.7 26.2 39.4



#64
Tetrachloroethene
Concen: 20.214 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion:164 Resp: 70145
Ion Ratio Lower Upper
164 100
166 126.6 101.4 152.0
129 82.8 68.0 102.0
131 80.6 64.7 97.1





#65

Chlorobenzene

Concen: 20.352 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

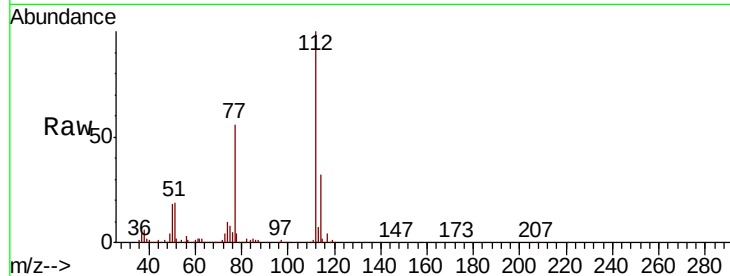
VX0830SBSD02

Tgt Ion:112 Resp: 170139

Ion Ratio Lower Upper

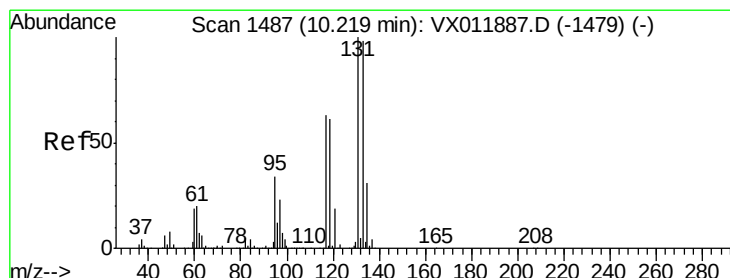
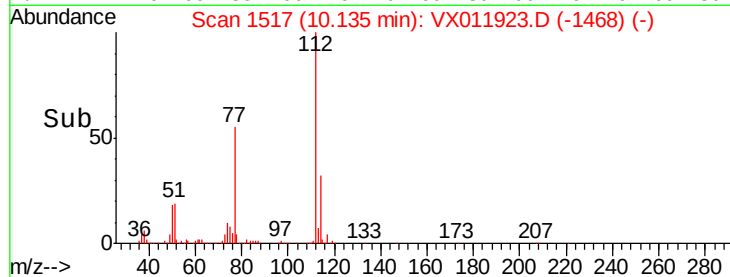
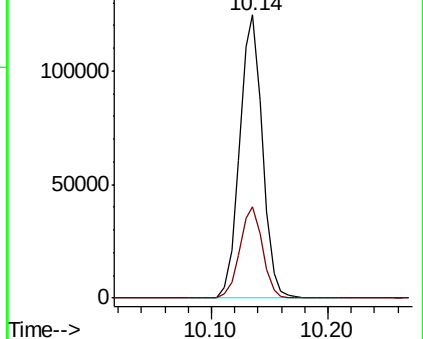
112 100

114 32.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.673 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

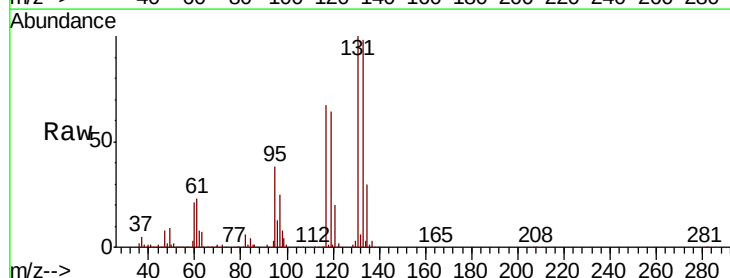
Tgt Ion:131 Resp: 69887

Ion Ratio Lower Upper

131 100

133 98.0 48.4 145.0

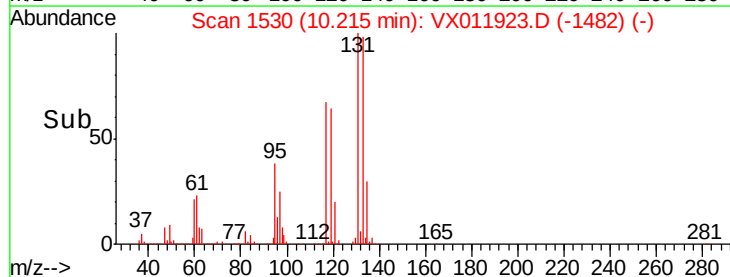
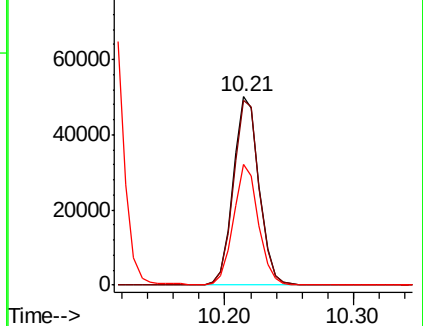
119 62.2 30.6 92.0

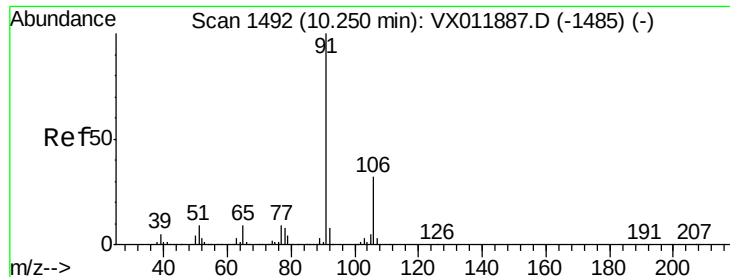


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.882 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

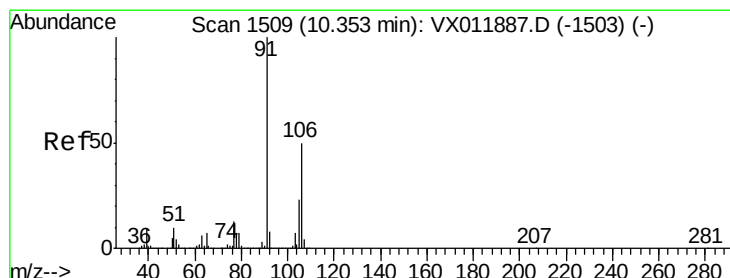
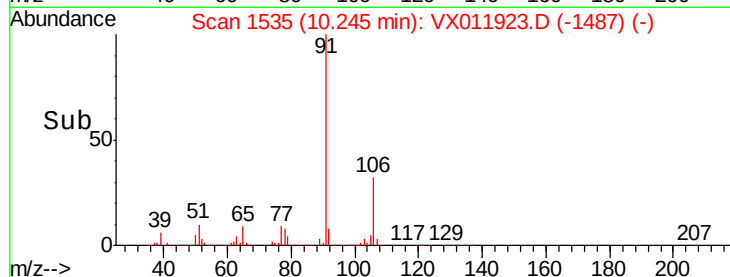
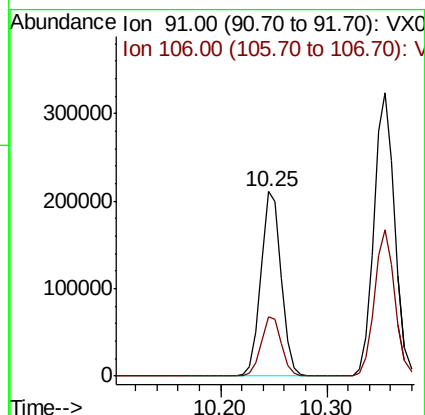
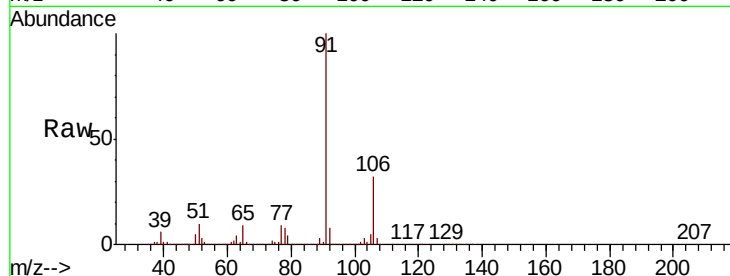
VX0830SBS02

Tgt Ion: 91 Resp: 282719

Ion Ratio Lower Upper

91 100

106 32.3 25.8 38.8



#68

m/p-Xylenes

Concen: 40.595 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011923.D

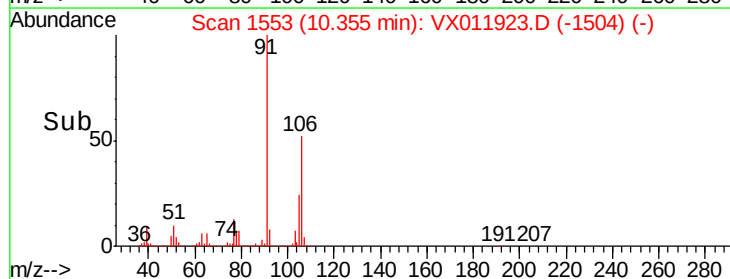
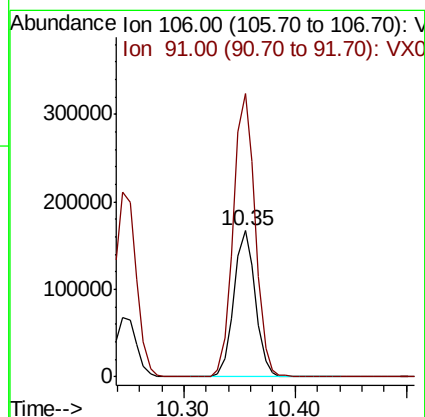
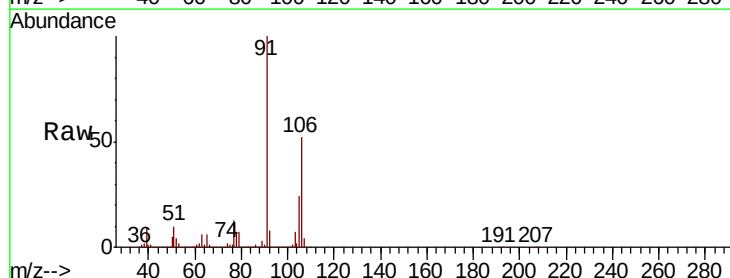
Acq: 30 Aug 2019 23:31

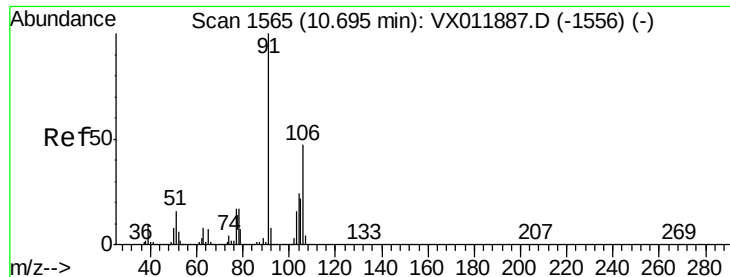
Tgt Ion: 106 Resp: 222901

Ion Ratio Lower Upper

106 100

91 197.1 158.6 237.8

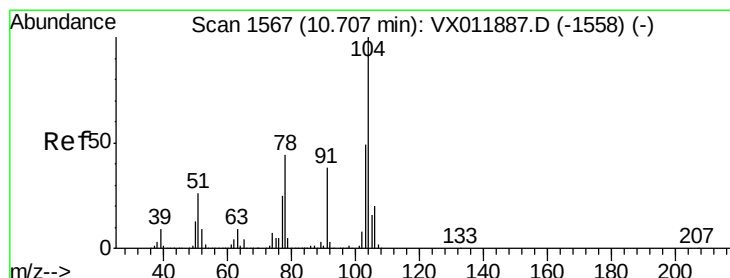
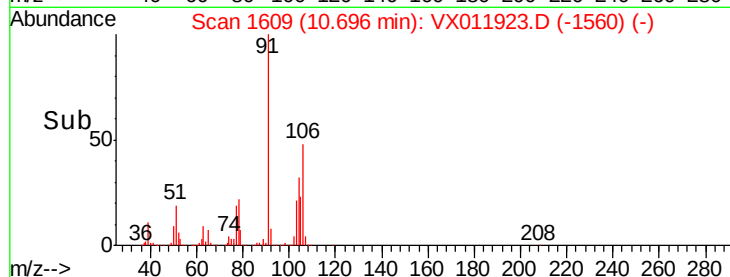
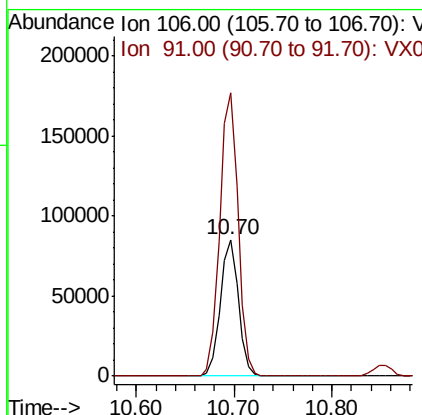
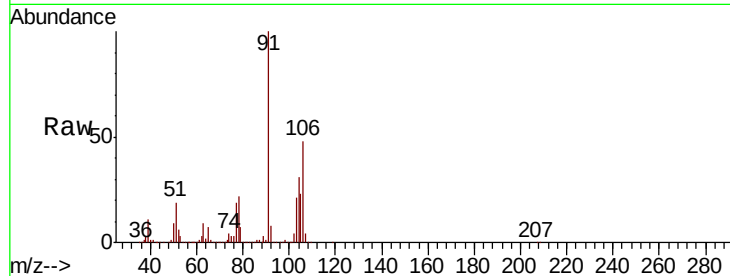




#69
o-Xylene
Concen: 20.417 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

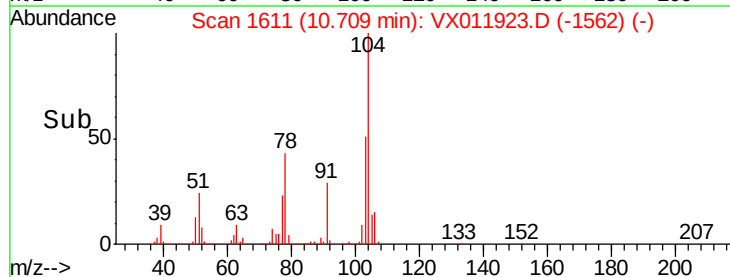
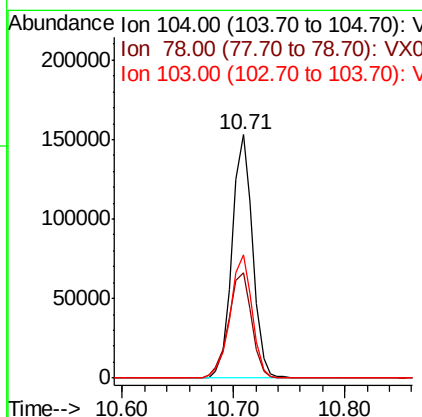
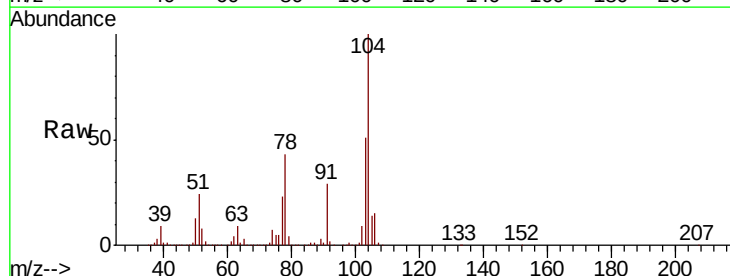
Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

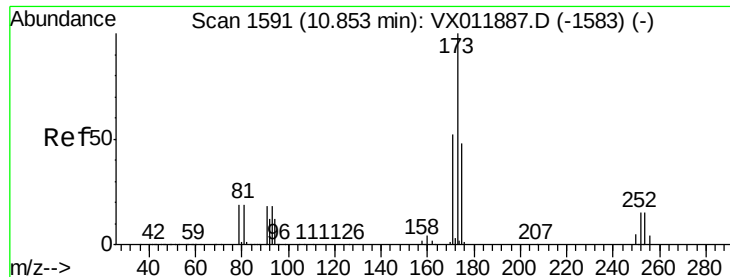
Tgt Ion:106 Resp: 109243
Ion Ratio Lower Upper
106 100
91 210.7 104.8 314.6



#70
Styrene
Concen: 20.739 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion:104 Resp: 195587
Ion Ratio Lower Upper
104 100
78 49.3 39.2 58.8
103 54.3 43.0 64.6





#71

Bromoform

Concen: 20.810 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBSD02

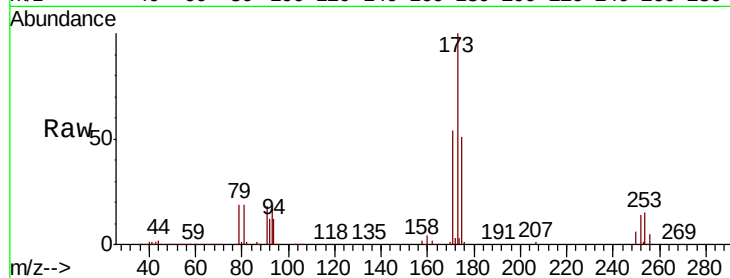
Tgt Ion:173 Resp: 49744

Ion Ratio Lower Upper

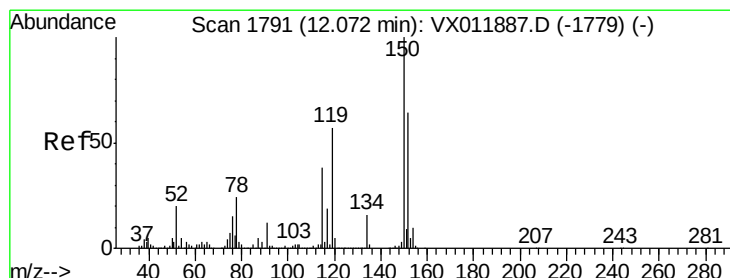
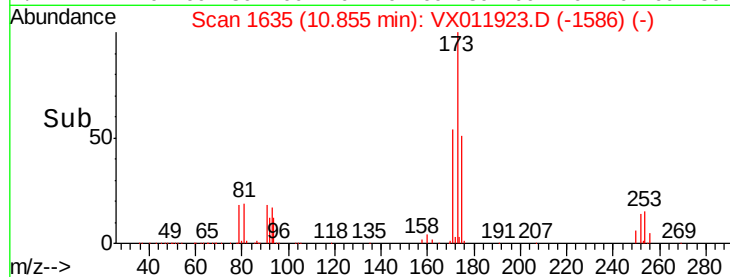
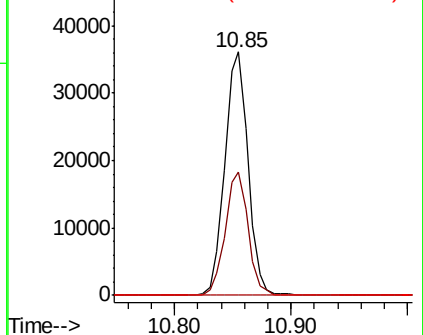
173 100

175 50.0 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: VX011923.D

Acq: 30 Aug 2019 23:31

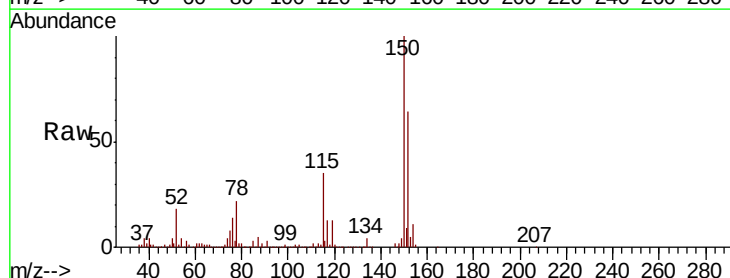
Tgt Ion:152 Resp: 253505

Ion Ratio Lower Upper

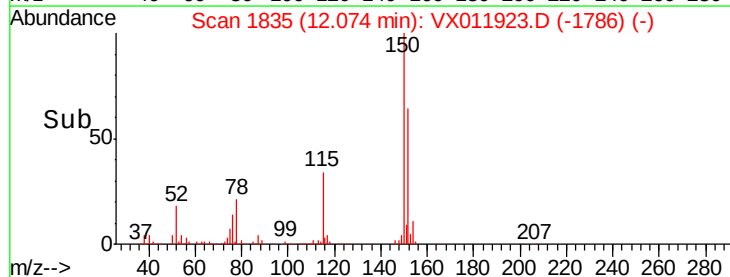
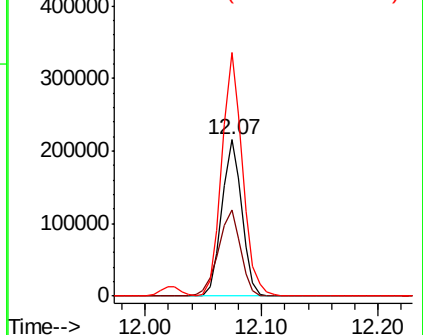
152 100

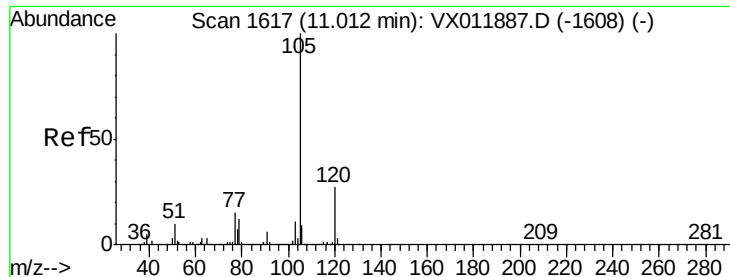
115 61.4 37.1 111.3

150 162.0 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: 19.793 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

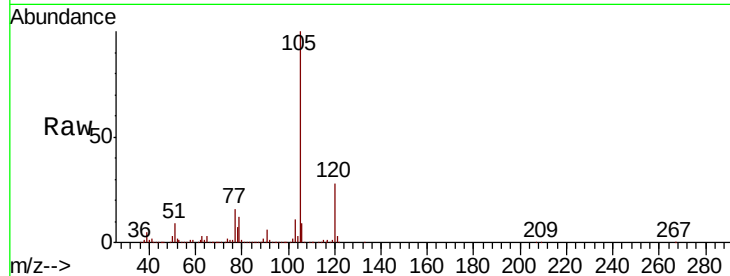
VX0830SBS02

Tgt Ion: 105 Resp: 288303

Ion Ratio Lower Upper

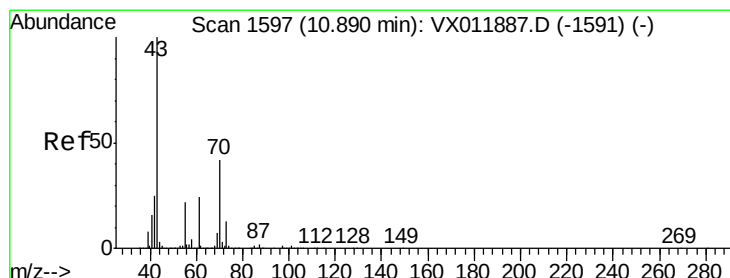
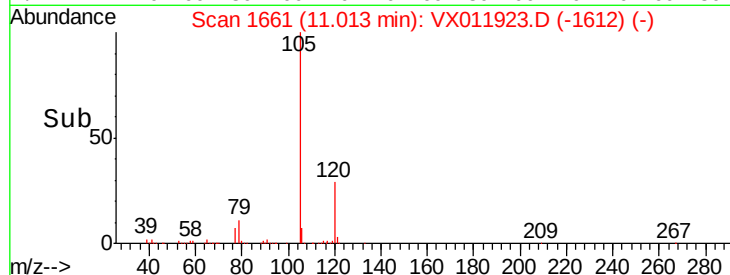
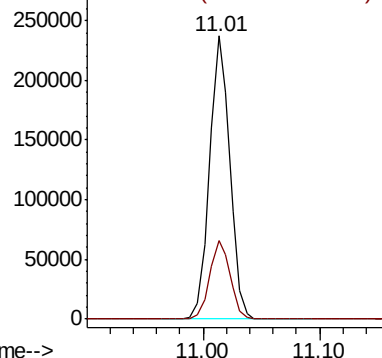
105 100

120 27.9 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: 20.033 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion: 43 Resp: 86594

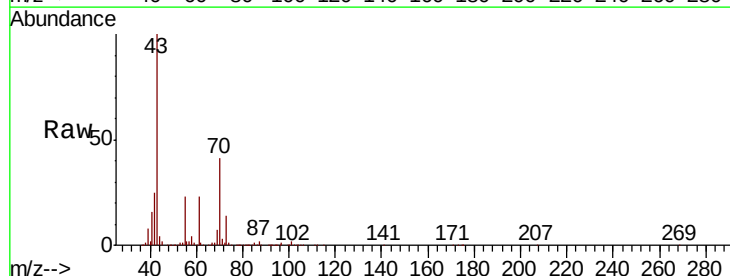
Ion Ratio Lower Upper

43 100

70 41.9 0.2 0.2#

55 22.9 0.1 0.1#

61 23.9 16.4 24.6

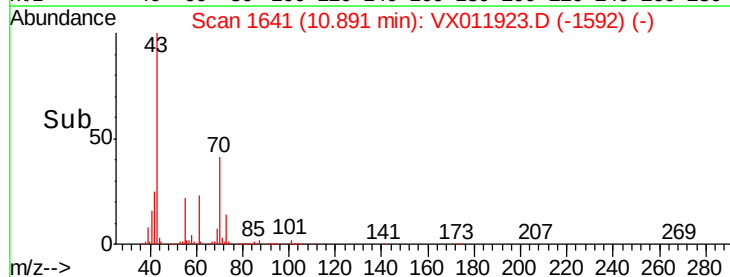
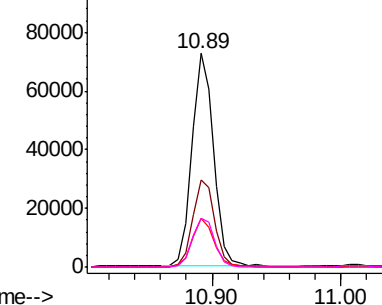


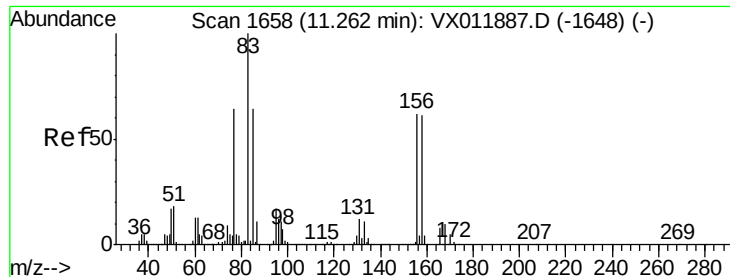
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.655 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

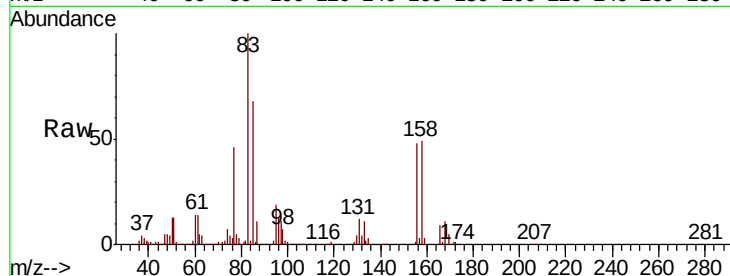
Tgt Ion: 83 Resp: 61574

Ion Ratio Lower Upper

83 100

131 12.4 6.0 18.0

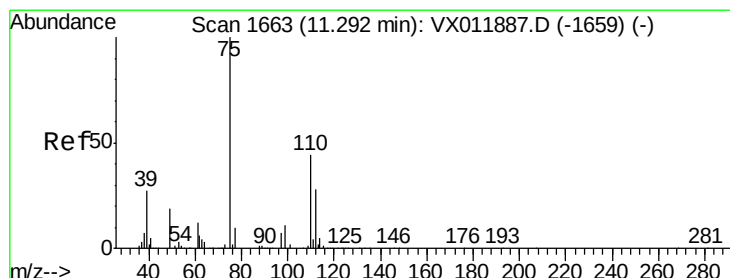
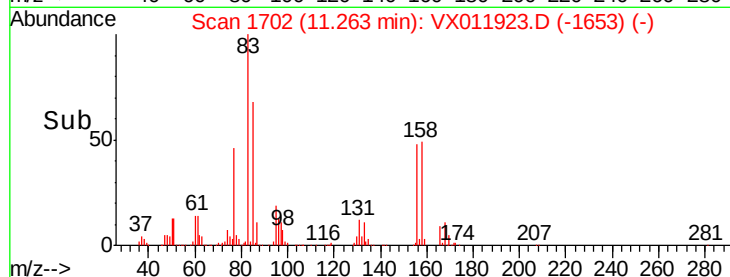
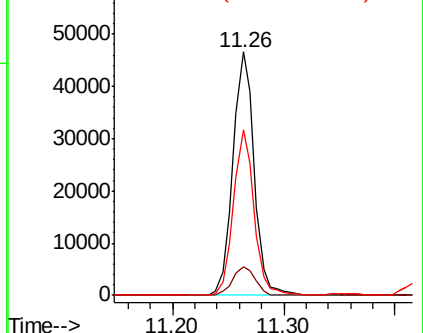
85 66.3 31.9 95.9



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: 26.881 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011923.D

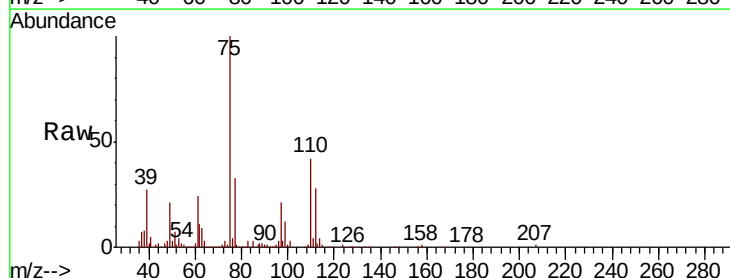
Acq: 30 Aug 2019 23:31

Tgt Ion: 75 Resp: 67033

Ion Ratio Lower Upper

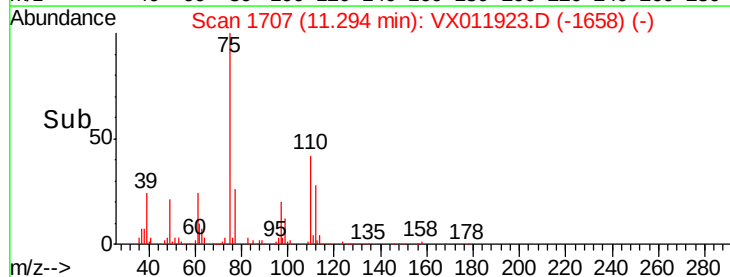
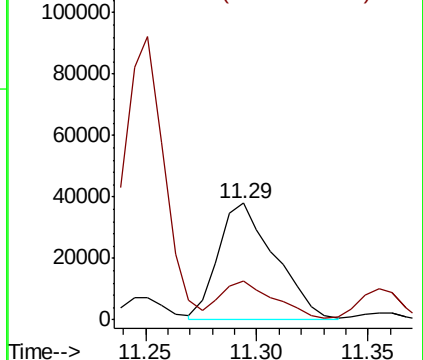
75 100

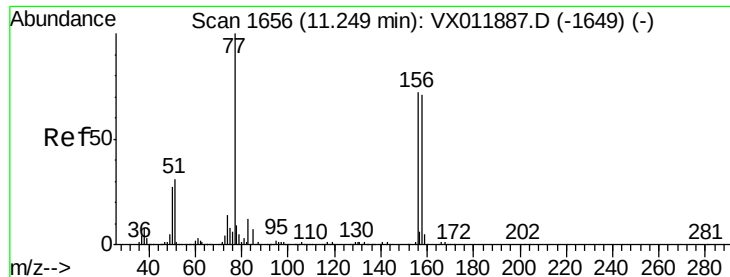
77 31.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.908 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBSD02

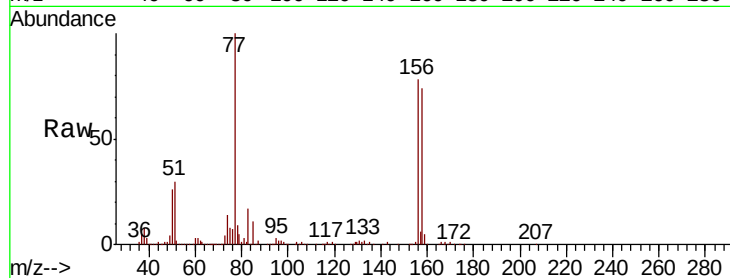
Tgt Ion:156 Resp: 88326

Ion Ratio Lower Upper

156 100

77 133.5 68.1 204.3

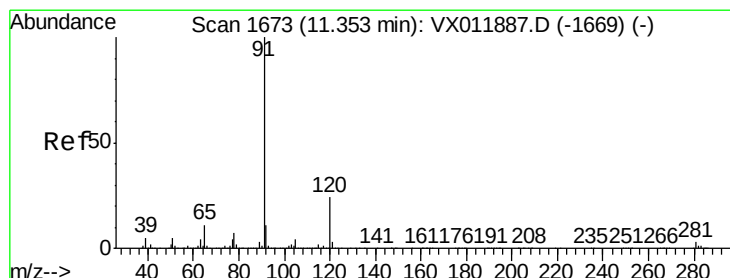
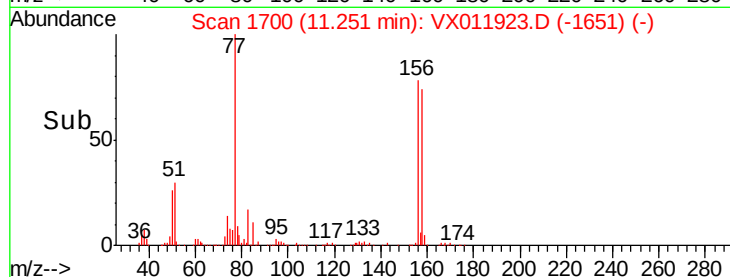
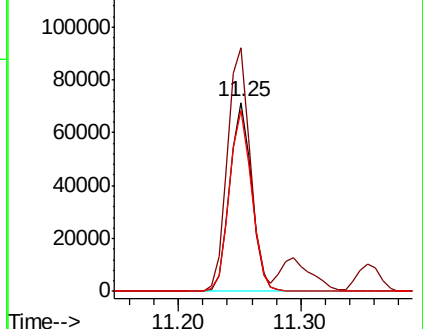
158 97.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.810 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011923.D

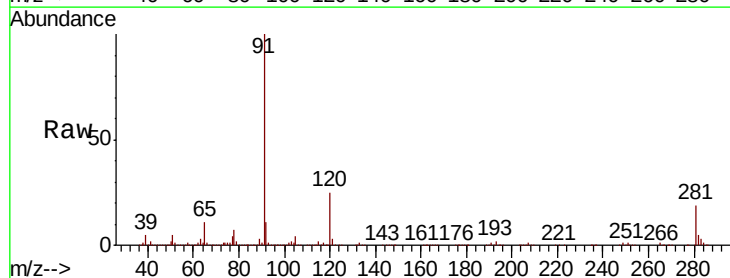
Acq: 30 Aug 2019 23:31

Tgt Ion: 91 Resp: 327206

Ion Ratio Lower Upper

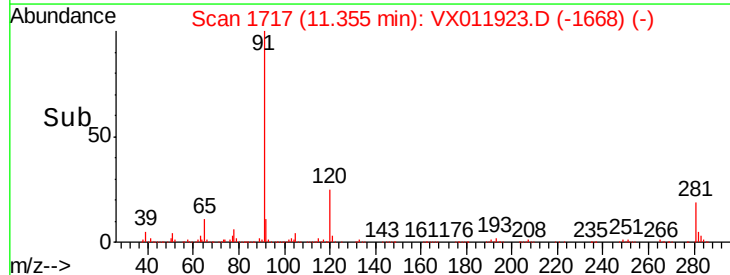
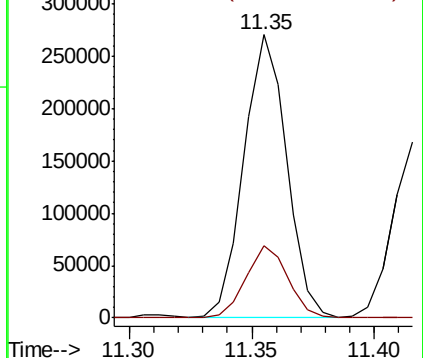
91 100

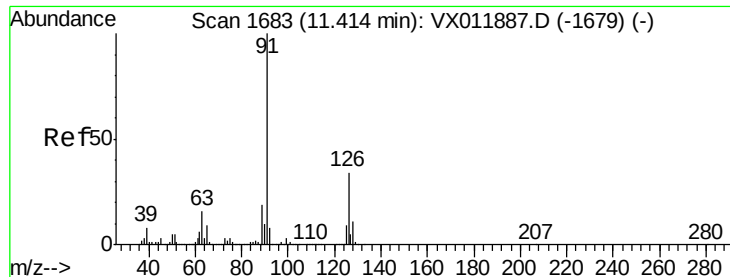
120 25.1 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

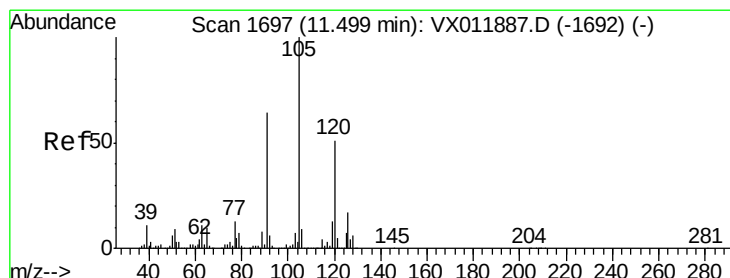
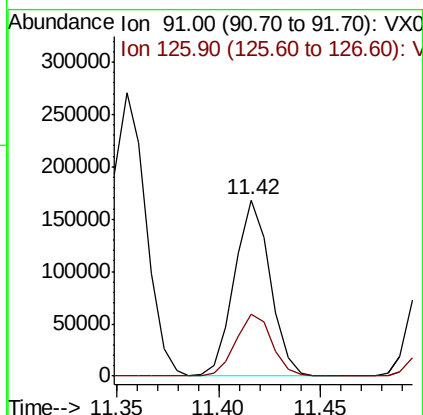
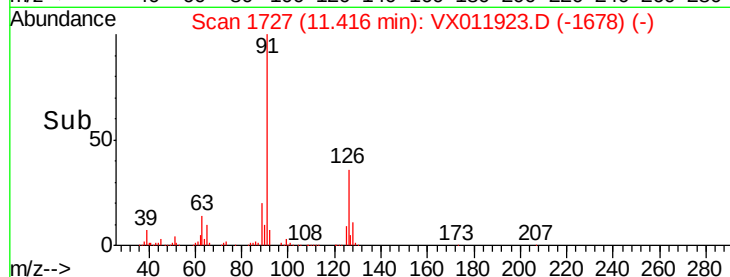
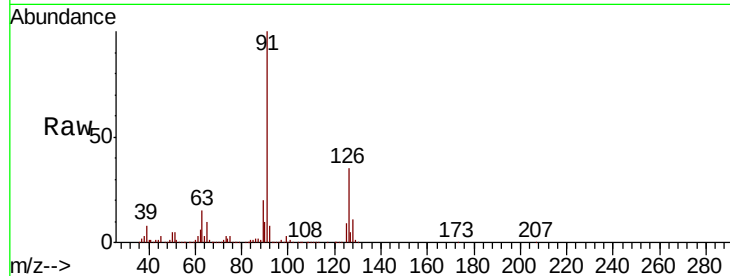




#79
 2-Chlorotoluene
 Concen: 20.388 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

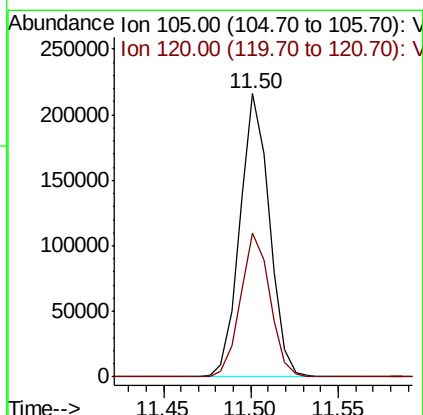
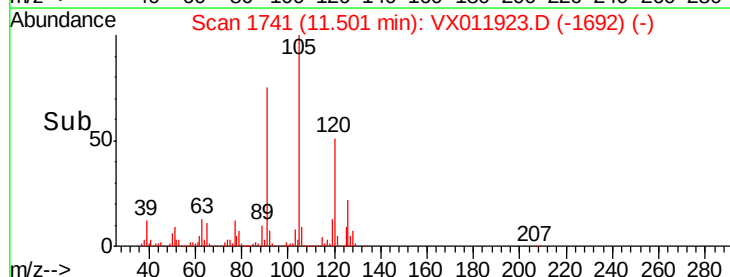
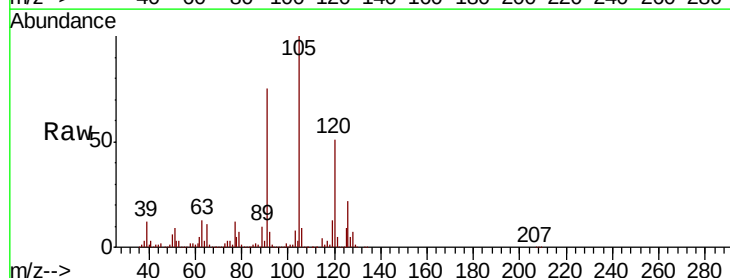
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS02

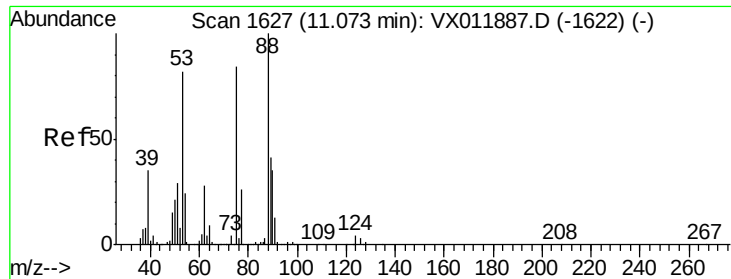
Tgt Ion: 91 Resp: 202699
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.090 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion: 105 Resp: 252581
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.095 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

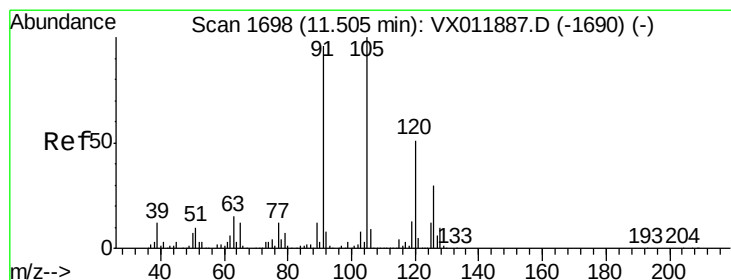
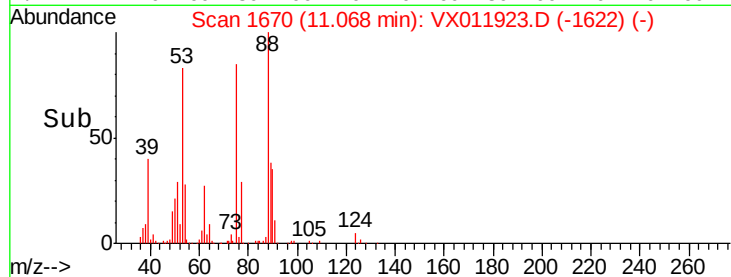
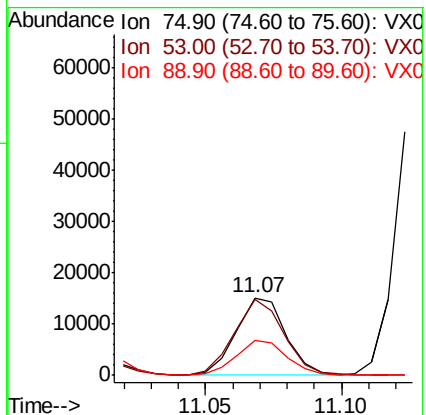
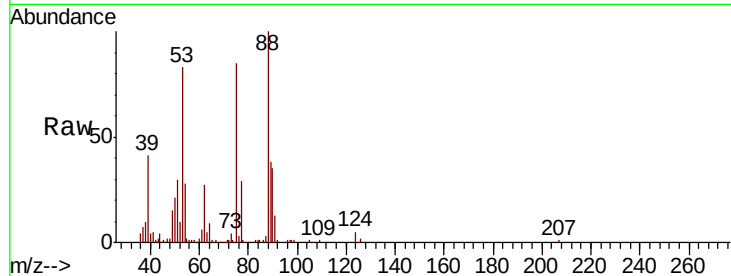
Tgt Ion: 75 Resp: 18955

Ion Ratio Lower Upper

75 100

53 98.0 77.1 115.7

89 47.0 38.2 57.2



#82

4-Chlorotoluene

Concen: 20.380 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX011923.D

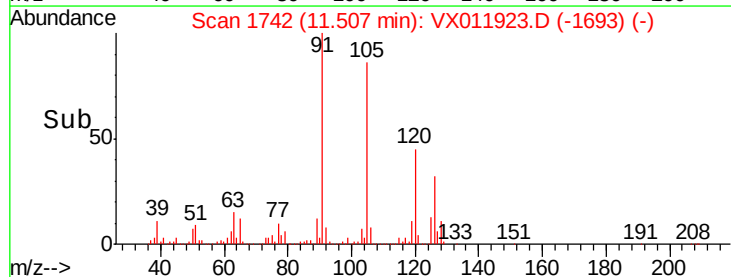
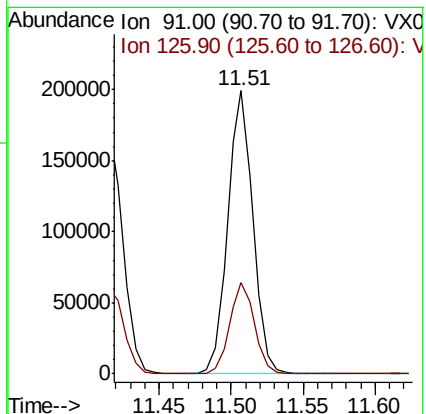
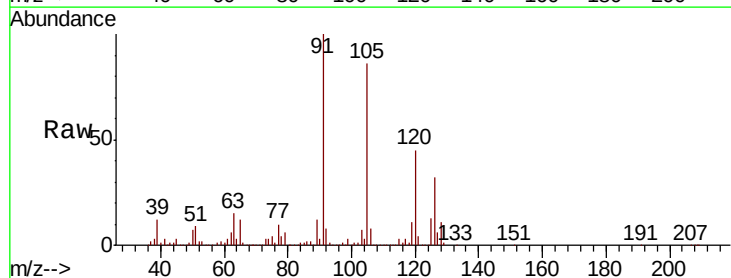
Acq: 30 Aug 2019 23:31

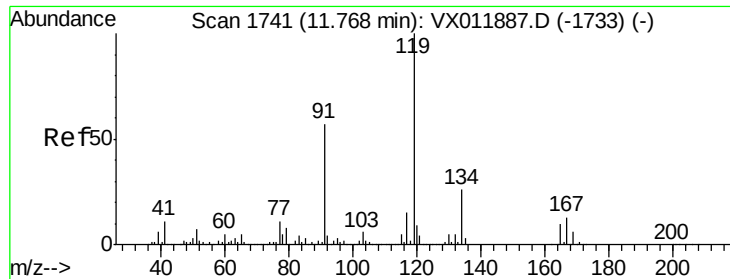
Tgt Ion: 91 Resp: 244443

Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.6

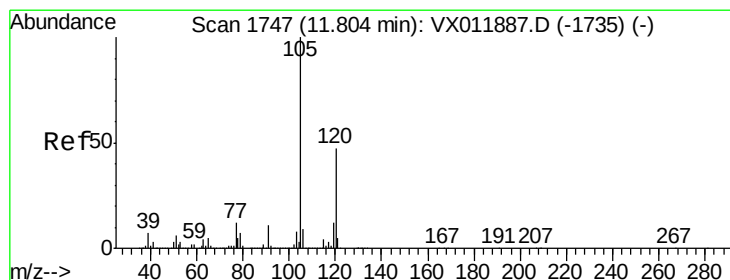
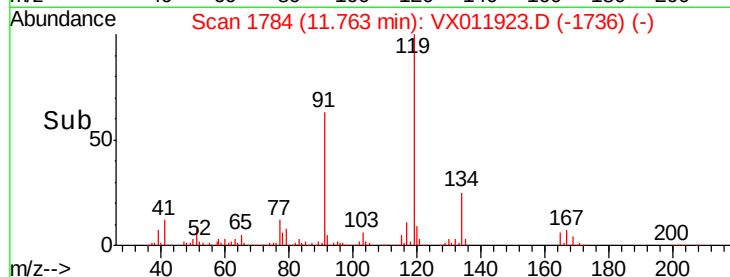
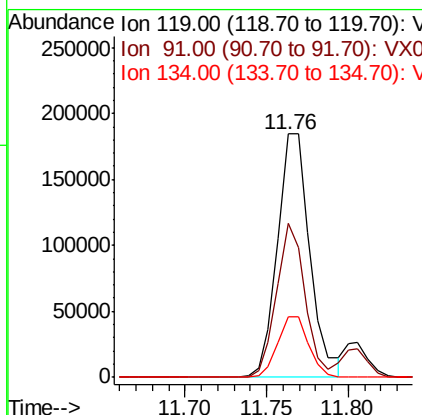
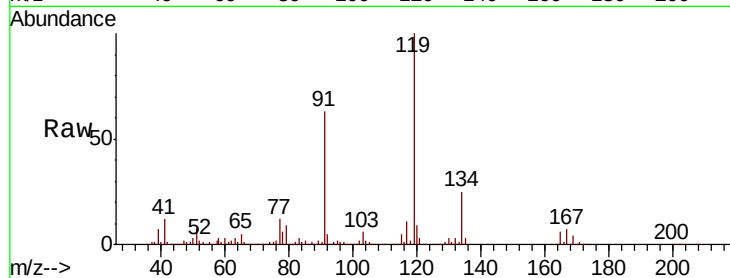




#83
 tert-Butylbenzene
 Concen: 20.115 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

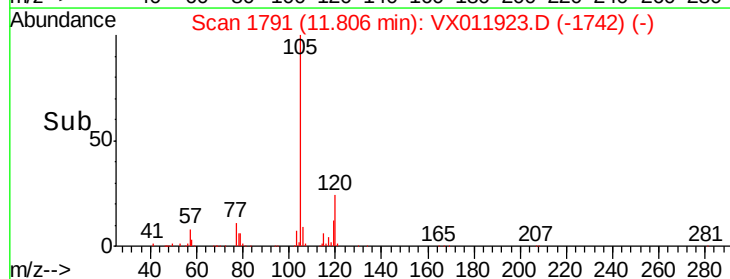
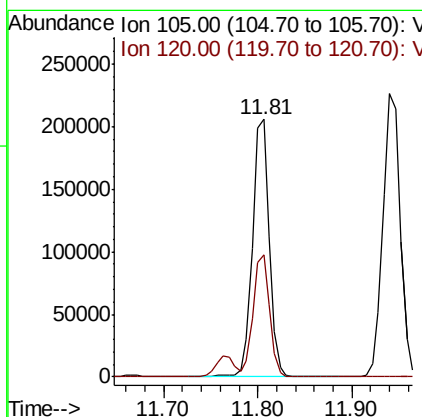
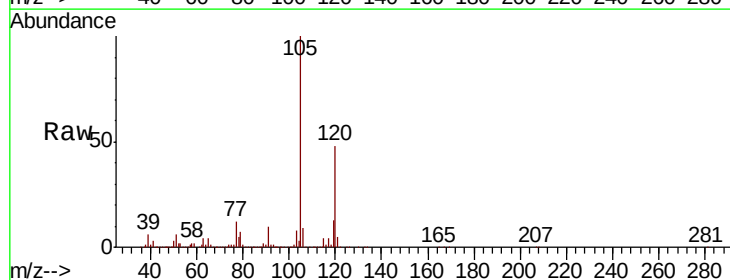
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBSD02

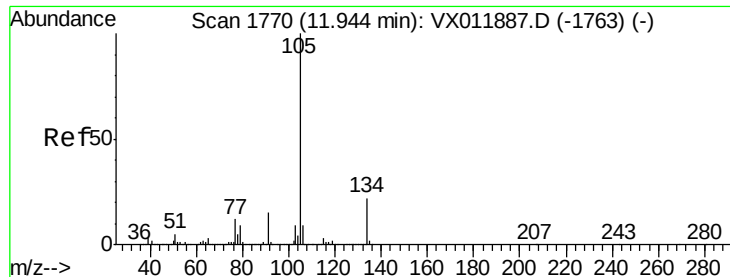
Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.4	27.9	83.6
134	24.0	12.3	36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.058 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.577 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

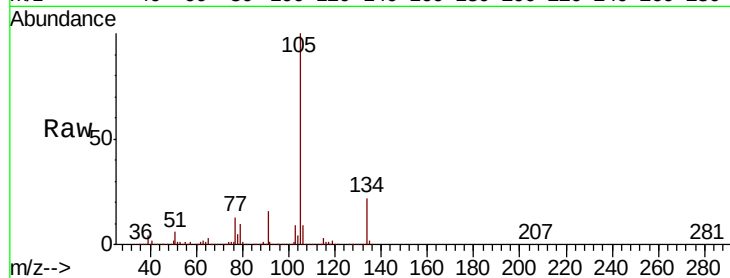
VX0830SBSD02

Tgt Ion:105 Resp: 290090

Ion Ratio Lower Upper

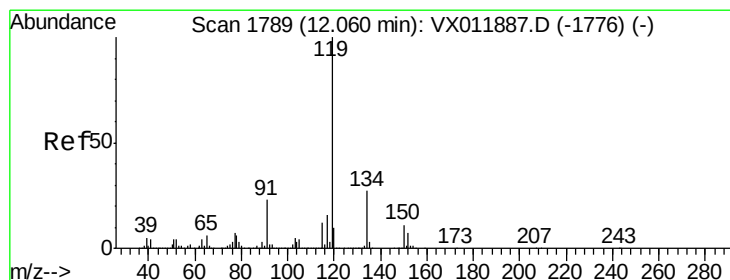
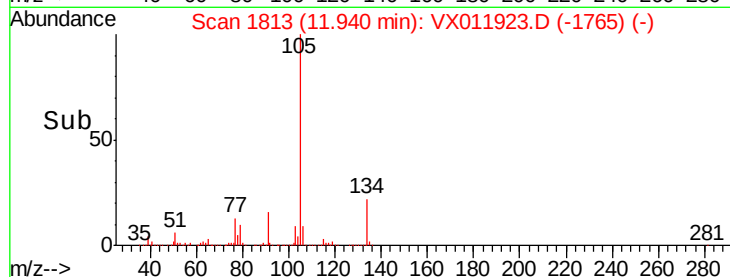
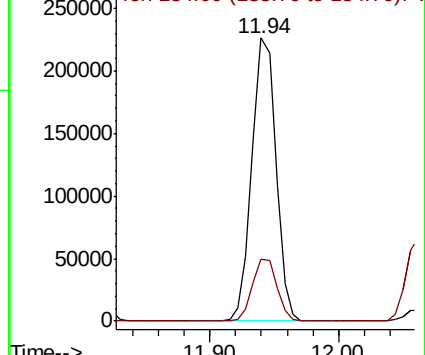
105 100

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



#86

p-Isopropyltoluene

Concen: 19.550 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

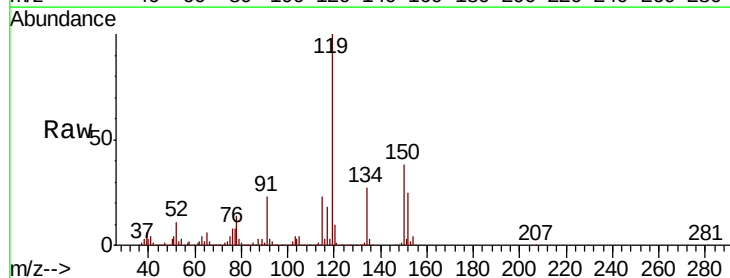
Tgt Ion:119 Resp: 280894

Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.0

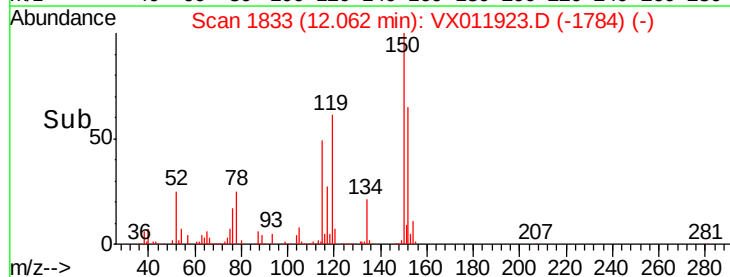
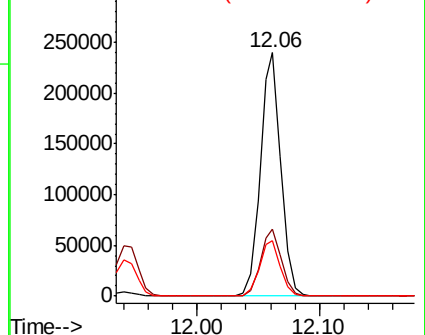
91 23.2 11.6 34.7

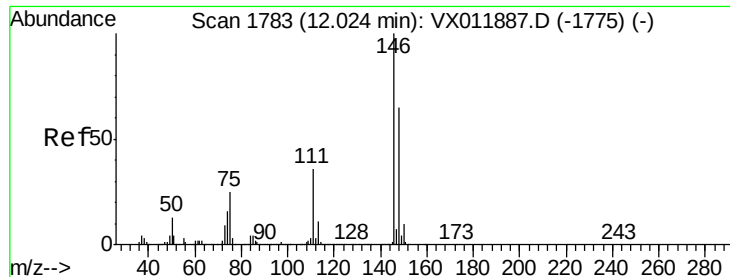


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.559 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

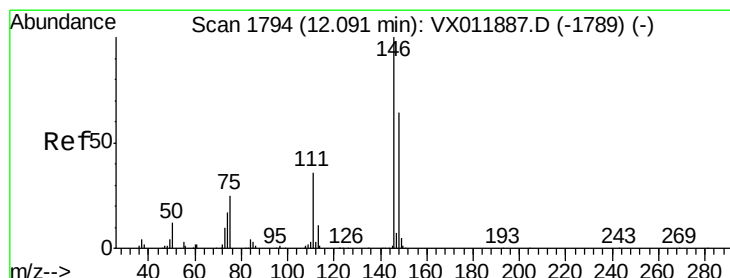
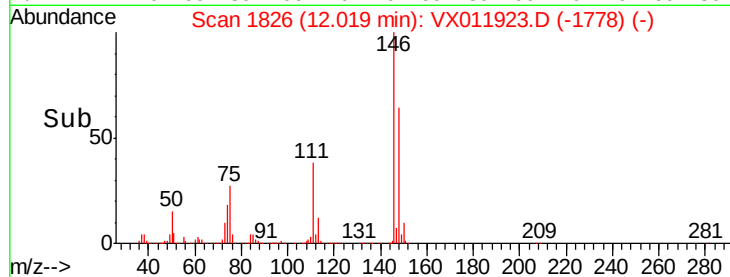
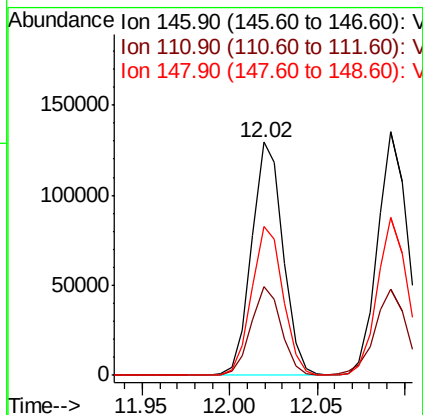
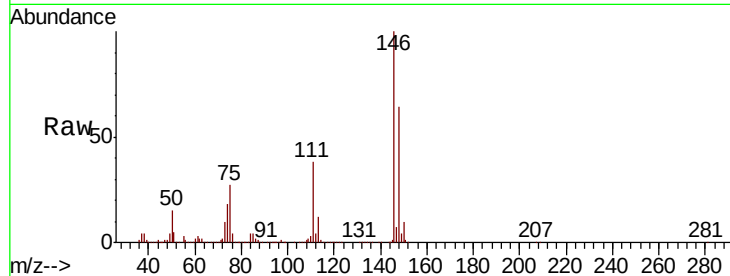
Instrument :

MSVOA_X

ClientSampleId :

VX0830SBSD02

Tgt Ion:	146	Resp:	161410
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.0	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 20.439 ug/l

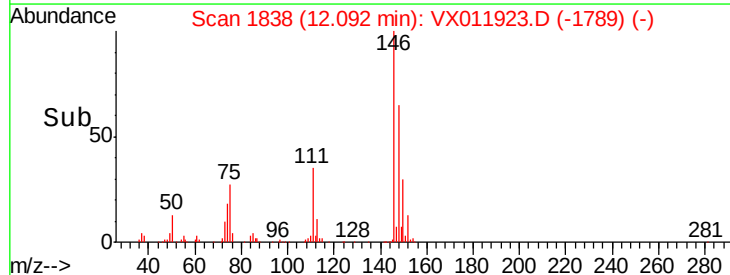
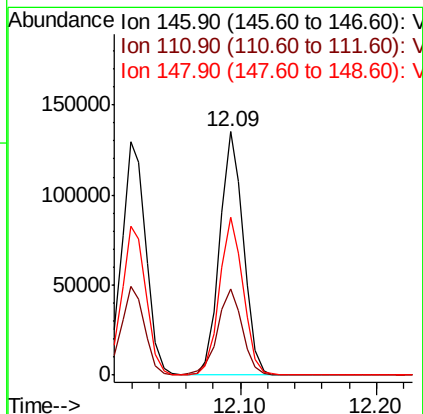
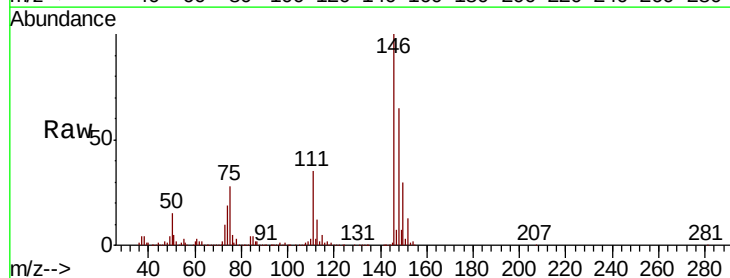
RT: 12.09 min Scan# 1838

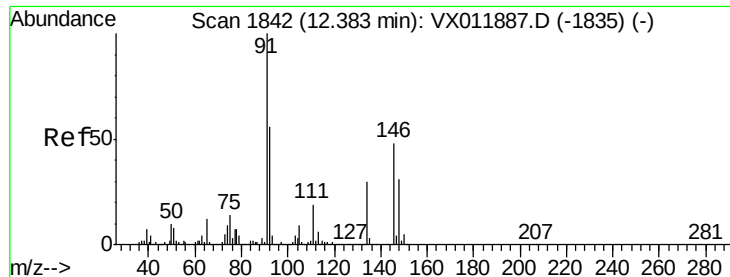
Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Tgt Ion:	146	Resp:	162222
Ion	Ratio	Lower	Upper
146	100		
111	36.9	17.9	53.7
148	65.1	32.4	97.0





#89

n-Butylbenzene

Concen: 19.127 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBSD02

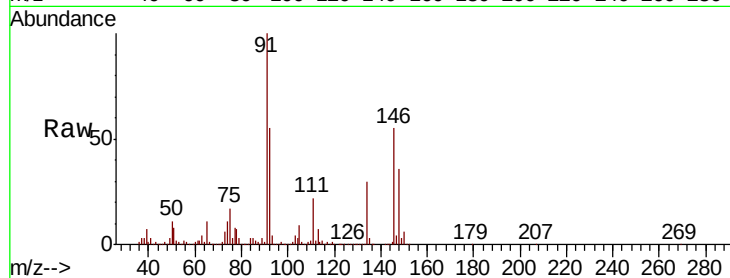
Tgt Ion: 91 Resp: 243142

Ion Ratio Lower Upper

91 100

92 54.8 27.6 82.8

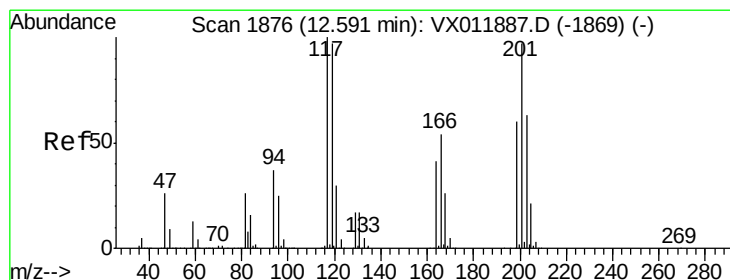
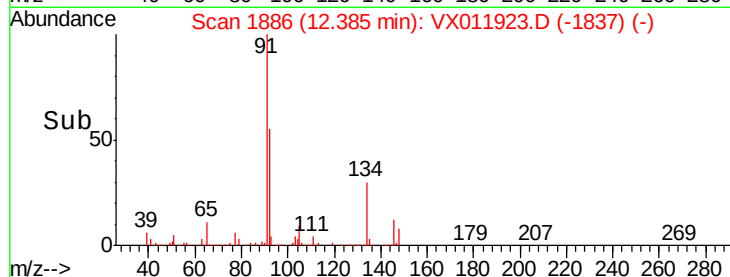
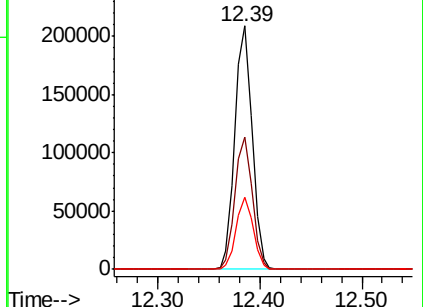
134 29.2 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.495 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX011923.D

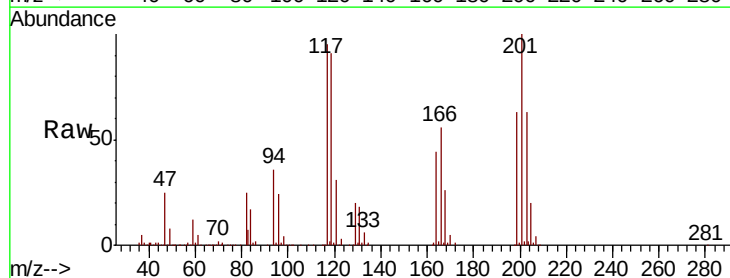
Acq: 30 Aug 2019 23:31

Tgt Ion: 117 Resp: 54189

Ion Ratio Lower Upper

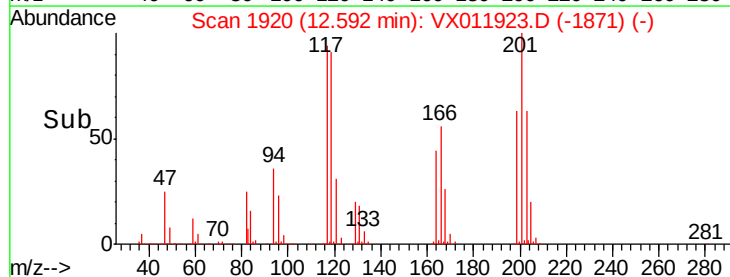
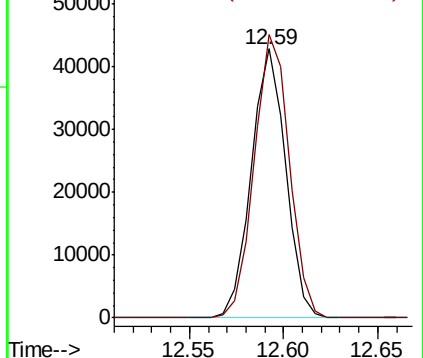
117 100

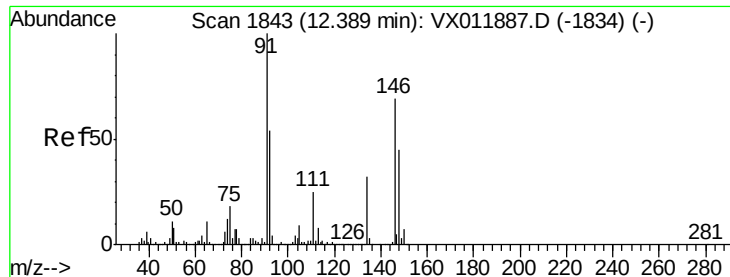
201 107.3 52.8 158.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

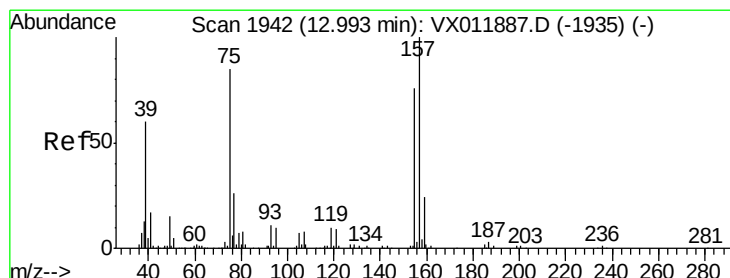
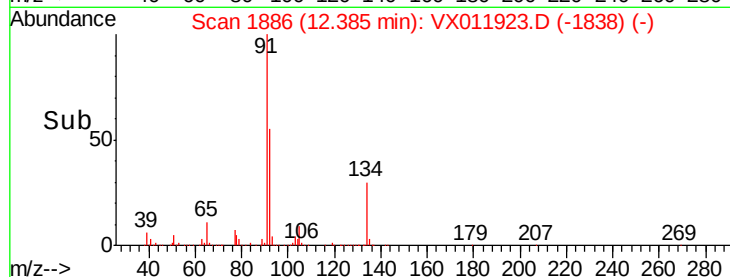
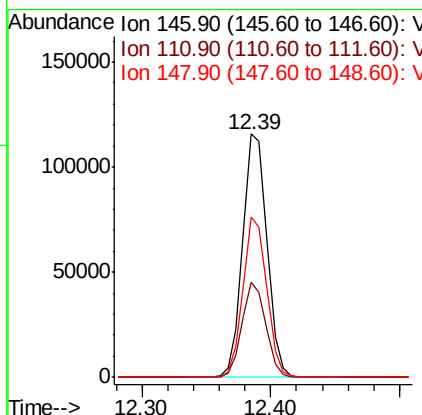
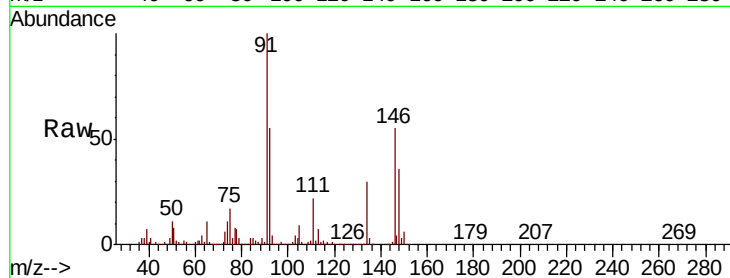




#91
1,2-Dichlorobenzene
Concen: 20.619 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

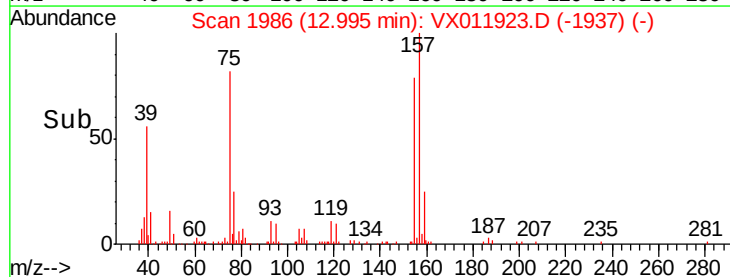
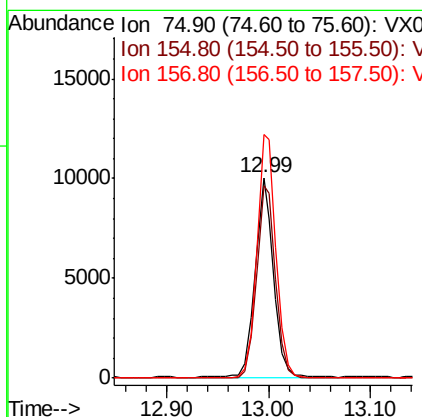
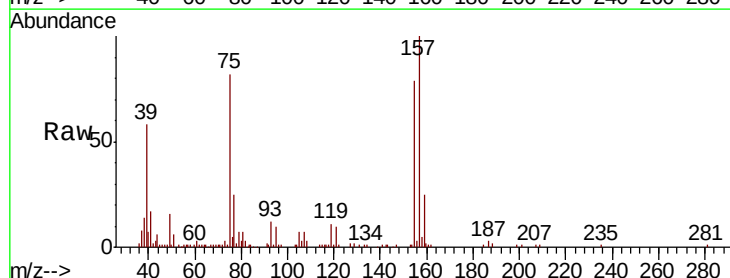
Instrument :
MSVOA_X
ClientSampleId :
VX0830SBSD02

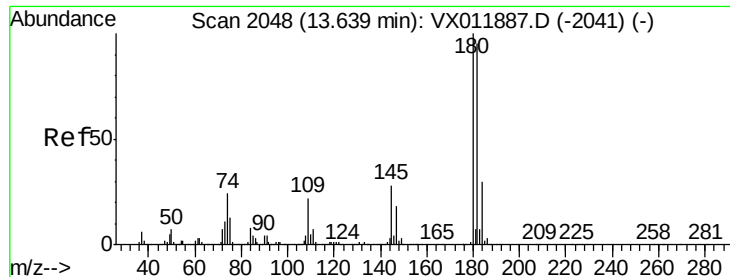
Tgt Ion:146 Resp: 150510
Ion Ratio Lower Upper
146 100
111 38.3 18.9 56.5
148 64.8 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.763 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VX011923.D
Acq: 30 Aug 2019 23:31

Tgt Ion: 75 Resp: 12923
Ion Ratio Lower Upper
75 100
155 96.9 50.1 150.4
157 124.0 63.9 191.7

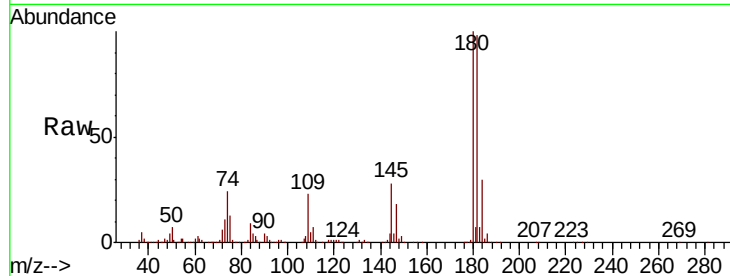




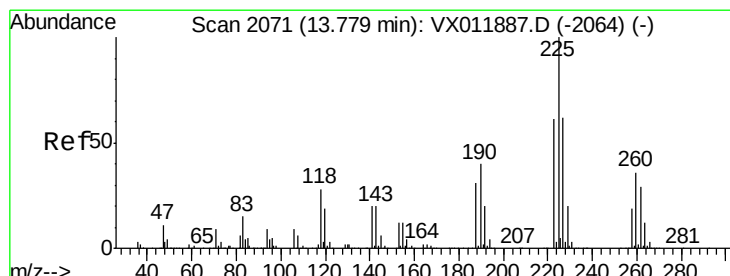
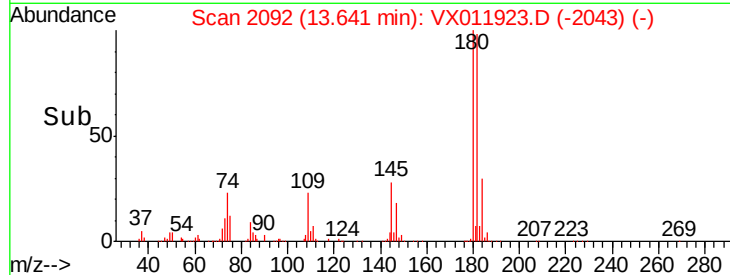
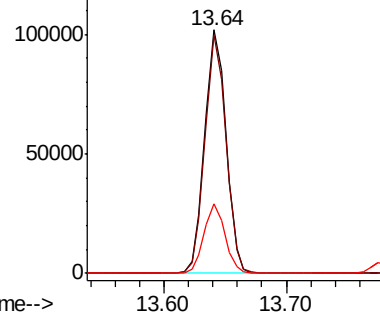
#93
 1,2,4-Trichlorobenzene
 Concen: 19.952 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBSD02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.4
145	28.0	13.8	41.3

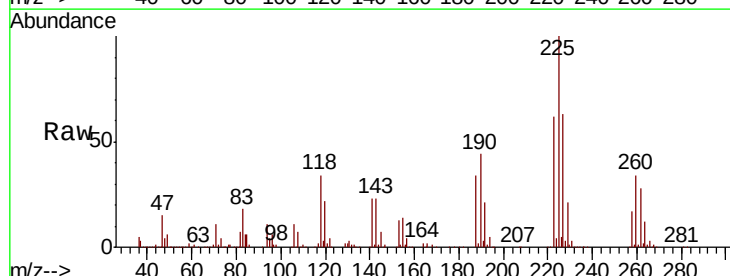


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

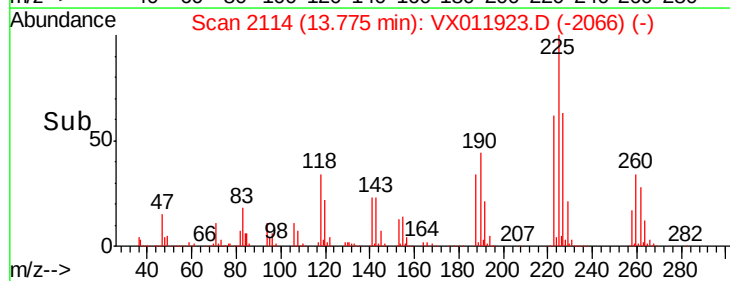
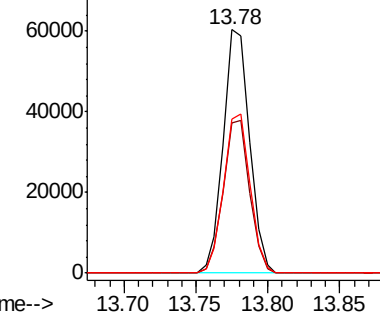


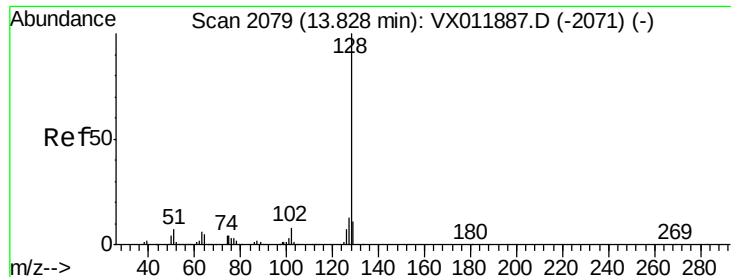
#94
 Hexachlorobutadiene
 Concen: 18.511 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011923.D
 Acq: 30 Aug 2019 23:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.8	92.3
227	65.4	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.637 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS02

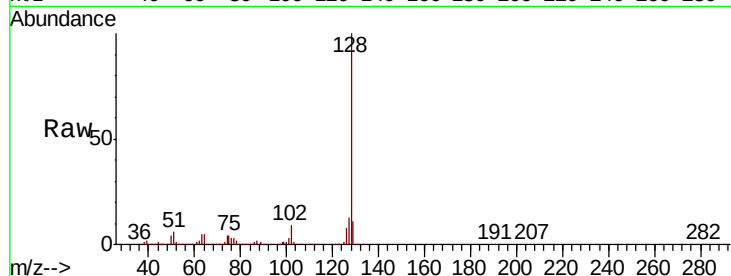
Tgt Ion:128 Resp: 217691

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

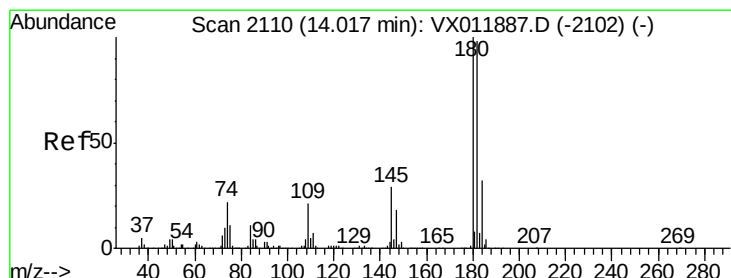
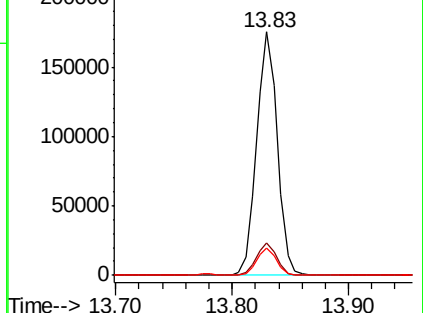
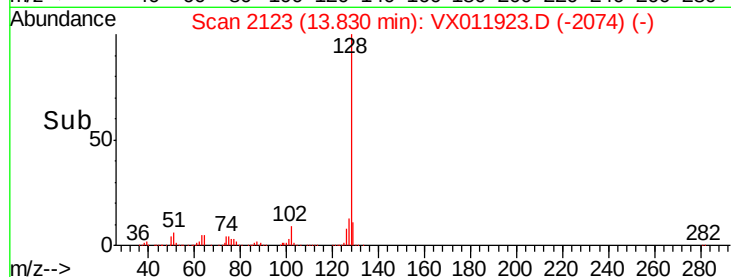
129 10.9 8.8 13.2



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: 20.710 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VX011923.D

Acq: 30 Aug 2019 23:31

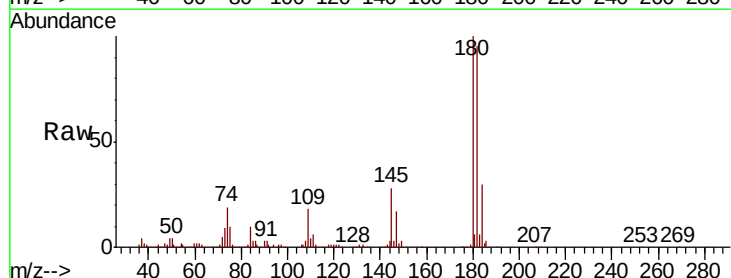
Tgt Ion:180 Resp: 115107

Ion Ratio Lower Upper

180 100

182 94.9 48.3 144.8

145 29.1 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

