

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082919\
 Data File : VX011898.D
 Acq On : 30 Aug 2019 04:28
 Operator : SY/SP
 Sample : VX0829SBS01
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Quant Time: Aug 30 06:02:26 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	314944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	477066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	455202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	261814	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	178893	59.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.58%	
35) Dibromofluoromethane	5.48	113	161949	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
50) Toluene-d8	8.71	98	579028	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.13	95	240267	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	37576	19.768	ug/l	97
3) Chloromethane	1.31	50	47210	21.425	ug/l	98
4) Vinyl Chloride	1.40	62	42212	20.061	ug/l	98
5) Bromomethane	1.62	94	33714	23.157	ug/l	100
6) Chloroethane	1.70	64	27833	21.254	ug/l	95
7) Trichlorofluoromethane	1.91	101	71258	19.500	ug/l	98
8) Diethyl Ether	2.18	74	28597	22.771	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	45810	19.234	ug/l	100
10) Methyl Iodide	2.50	142	37187	16.926	ug/l	99
11) Tert butyl alcohol	3.03	59	34574	119.097	ug/l	99
12) 1,1-Dichloroethene	2.35	96	44074	19.925	ug/l	95
13) Acrolein	2.28	56	16577	114.728	ug/l	100
14) Allyl chloride	2.71	41	88704	21.378	ug/l	99
15) Acrylonitrile	3.13	53	81619	118.318	ug/l	100
16) Acetone	2.43	43	68252	105.127	ug/l	99
17) Carbon Disulfide	2.56	76	124029	19.548	ug/l	99
18) Methyl Acetate	2.76	43	43104	23.984	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	168684	23.539	ug/l	100
20) Methylene Chloride	2.84	84	68764	22.080	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	56230	21.580	ug/l	97
22) Diisopropyl ether	3.84	45	196412	23.187	ug/l	99
23) Vinyl Acetate	3.80	43	620925	114.012	ug/l	99
24) 1,1-Dichloroethane	3.68	63	104020	22.268	ug/l	99
25) 2-Butanone	4.66	43	108756	115.015	ug/l	100
26) 2,2-Dichloropropane	4.56	77	75426	19.252	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	70415	22.943	ug/l	98
28) Bromochloromethane	5.00	49	45962	21.928	ug/l	99
29) Tetrahydrofuran	5.12	42	69808	118.278	ug/l	98
30) Chloroform	5.20	83	113279	22.680	ug/l	95
31) Cyclohexane	5.56	56	73678	19.555	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	93759	21.132	ug/l	100
36) 1,1-Dichloropropene	5.79	75	69416	18.366	ug/l	99
37) Ethyl Acetate	4.82	43	48794	21.810	ug/l	98
38) Carbon Tetrachloride	5.77	117	80999	18.479	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	79370	17.631	ug/l	95
40) Benzene	6.13	78	230783	20.456	ug/l	98
41) Methacrylonitrile	5.03	41	28777	21.846	ug/l	97
42) 1,2-Dichloroethane	6.18	62	83060	21.650	ug/l	100
43) Isopropyl Acetate	6.43	43	98306	21.673	ug/l	99
44) Trichloroethene	7.21	130	69981	20.049	ug/l	99
45) 1,2-Dichloropropane	7.51	63	62556	21.198	ug/l	97
46) Dibromomethane	7.65	93	37340	21.321	ug/l	99
47) Bromodichloromethane	7.89	83	92802	21.369	ug/l	100
48) Methyl methacrylate	7.76	41	48365	21.915	ug/l	99
49) 1,4-Dioxane	7.74	88	13292	437.971	ug/l #	95
51) 4-Methyl-2-Pentanone	8.63	43	251953	109.342	ug/l	100
52) Toluene	8.78	92	154152	20.654	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	91256	20.514	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	102269	20.480	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	54987	21.446	ug/l	99
56) Ethyl methacrylate	9.17	69	76118	21.391	ug/l	100
57) 1,3-Dichloropropane	9.37	76	92095	21.641	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	172683	101.886	ug/l	99
59) 2-Hexanone	9.49	43	175511	107.227	ug/l	100
60) Dibromochloromethane	9.58	129	74088	21.515	ug/l	99
61) 1,2-Dibromoethane	9.66	107	54803	21.559	ug/l	99
64) Tetrachloroethene	9.33	164	75949	20.742	ug/l	98
65) Chlorobenzene	10.13	112	180509	20.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	74594	20.911	ug/l	99
67) Ethyl Benzene	10.25	91	298839	19.916	ug/l	100
68) m/p-Xylenes	10.35	106	230426	39.770	ug/l	99
69) o-Xylene	10.69	106	115624	20.479	ug/l	99
70) Styrene	10.71	104	204310	20.530	ug/l	100
71) Bromoform	10.85	173	53455	21.193	ug/l #	100
73) Isopropylbenzene	11.01	105	297344	19.766	ug/l	99
74) N-amyl acetate	10.89	43	93452	20.933	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	65444	21.257	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	69724	27.072	ug/l	87
77) Bromobenzene	11.25	156	91986	21.084	ug/l	99
78) n-propylbenzene	11.35	91	335168	19.648	ug/l	100
79) 2-Chlorotoluene	11.41	91	210912	20.541	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	261254	20.120	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19816	19.329	ug/l	99
82) 4-Chlorotoluene	11.51	91	253423	20.459	ug/l	100
83) tert-Butylbenzene	11.77	119	258895	19.650	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	269272	20.235	ug/l	100
85) sec-Butylbenzene	11.94	105	294164	19.222	ug/l	99
86) p-Isopropyltoluene	12.06	119	287581	19.380	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	167068	20.604	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	168706	20.581	ug/l	99
89) n-Butylbenzene	12.38	91	243319	18.534	ug/l	100
90) Hexachloroethane	12.59	117	57943	20.183	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158600	21.038	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13186	21.501	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

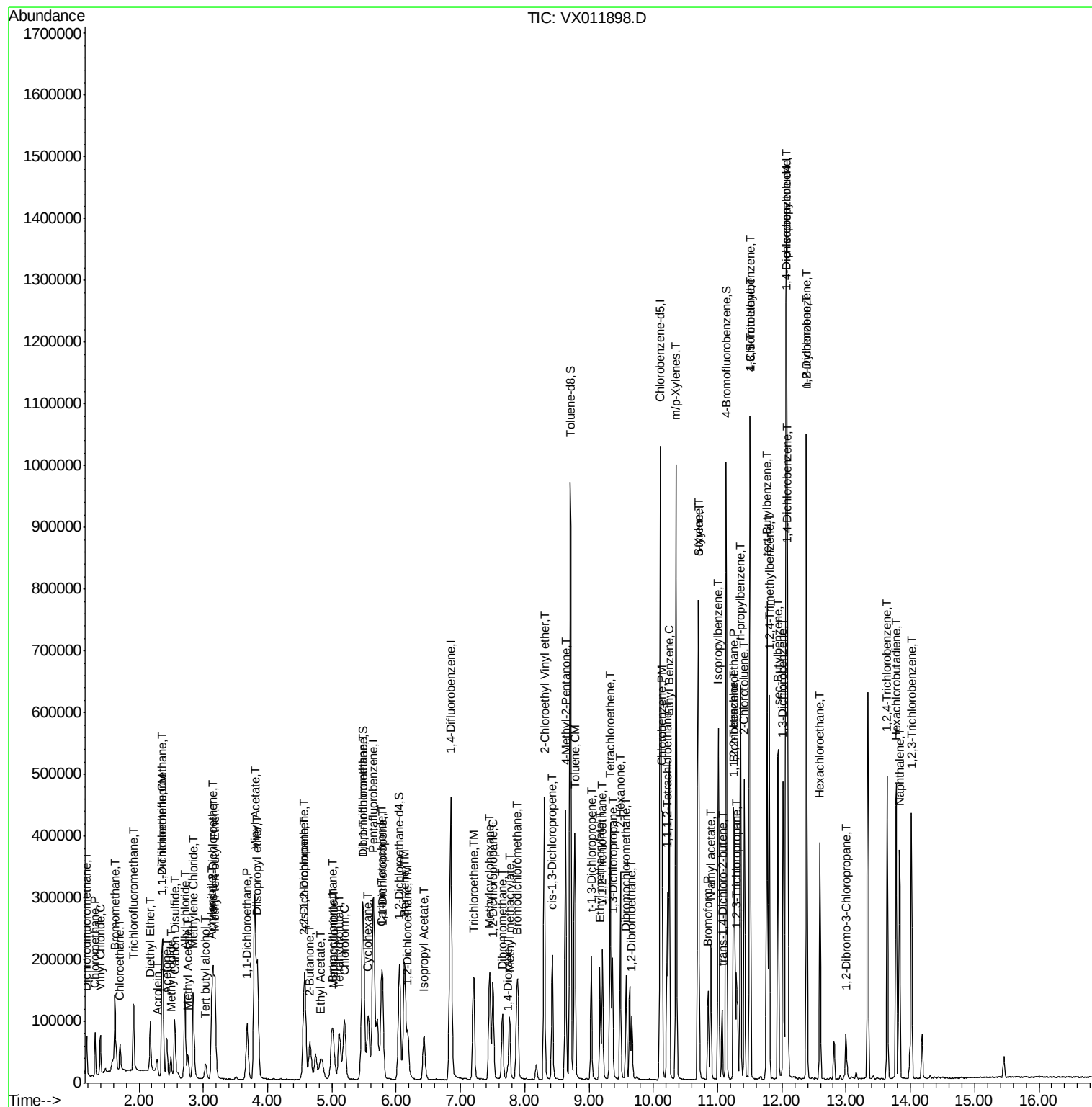
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	126524	19.932	ug/l	100
94) Hexachlorobutadiene	13.78	225	79133	18.667	ug/l	99
95) Naphthalene	13.83	128	229472	21.064	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	116434	20.284	ug/l	99

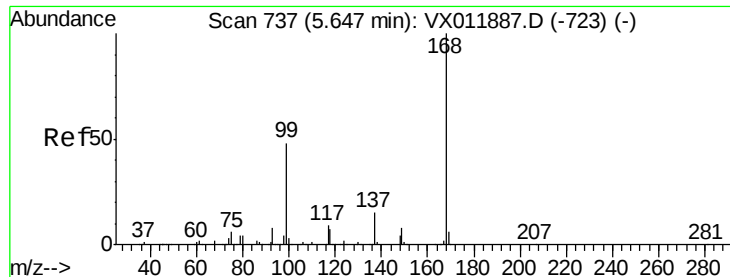
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082919\
Data File : VX011898.D
Acq On : 30 Aug 2019 04:28
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Sample : VX0829SBS01
Misc : 5.00g/5.0mL/MSVOA_X/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
Client Sample ID :
VX0829SBS01

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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

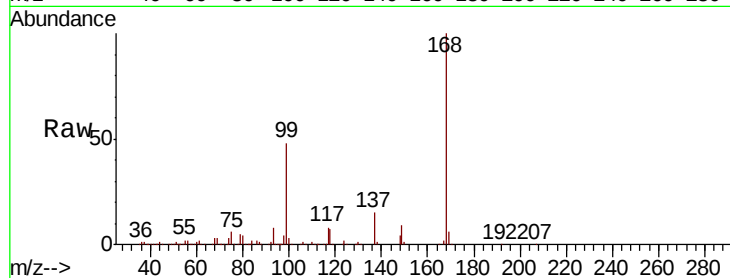
VX0829SBS01

Tgt Ion:168 Resp: 314944

Ion Ratio Lower Upper

168 100

99 47.9 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

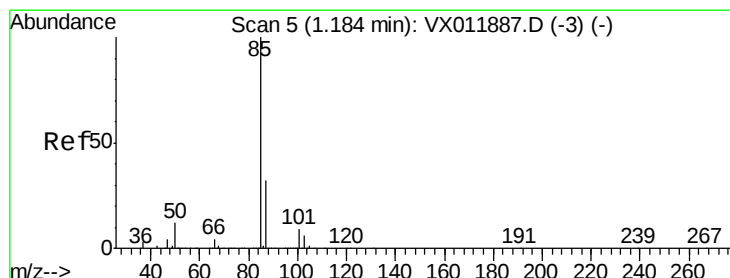
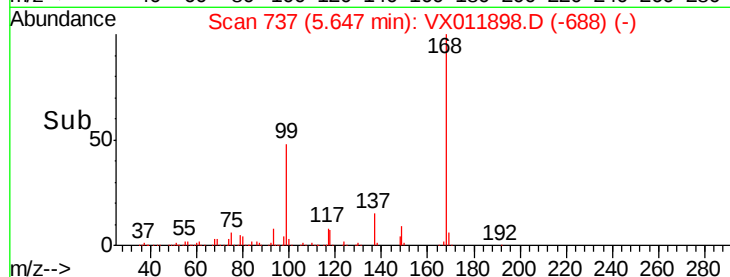
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.768 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011898.D

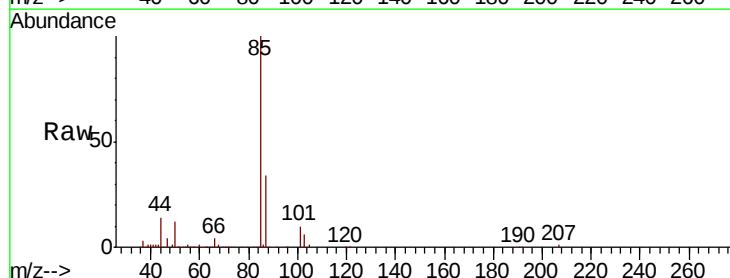
Acq: 30 Aug 2019 04:28

Tgt Ion: 85 Resp: 37576

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

40000

30000

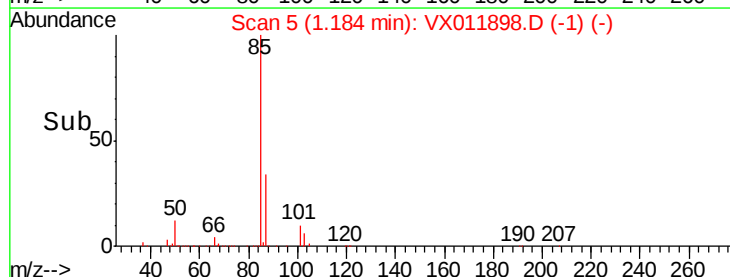
20000

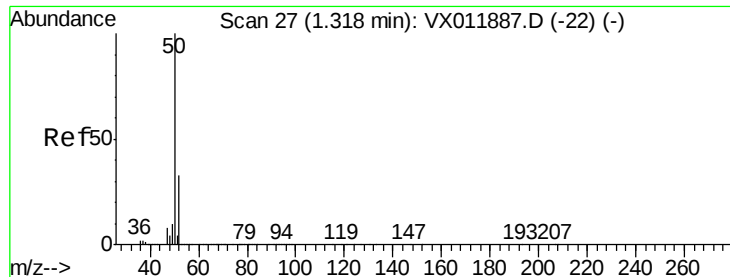
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 21.425 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

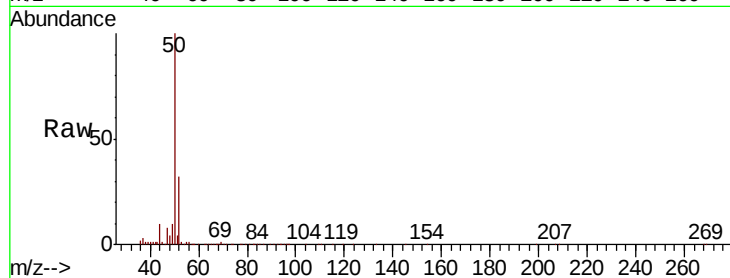
VX0829SBS01

Tgt Ion: 50 Resp: 47210

Ion Ratio Lower Upper

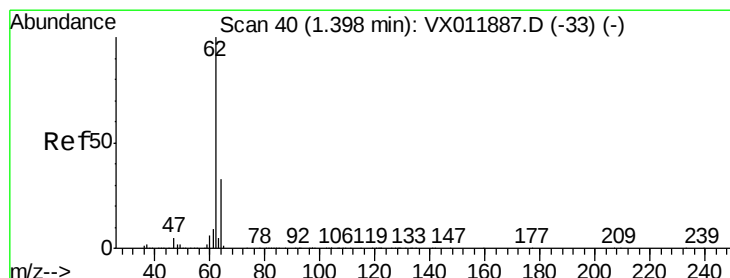
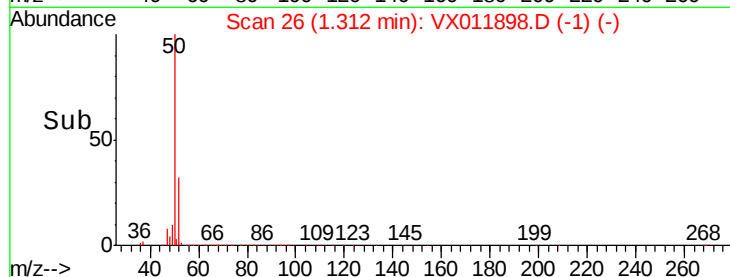
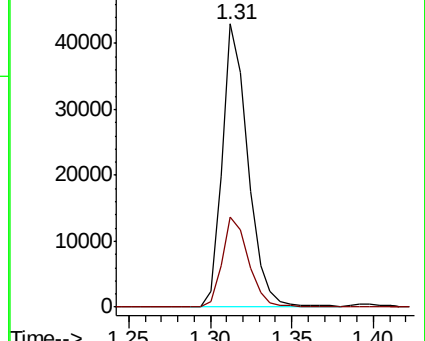
50 100

52 31.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.061 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011898.D

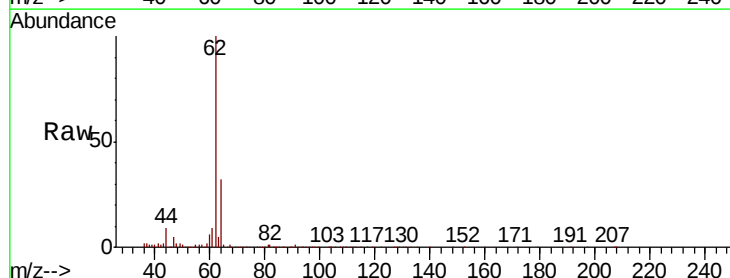
Acq: 30 Aug 2019 04:28

Tgt Ion: 62 Resp: 42212

Ion Ratio Lower Upper

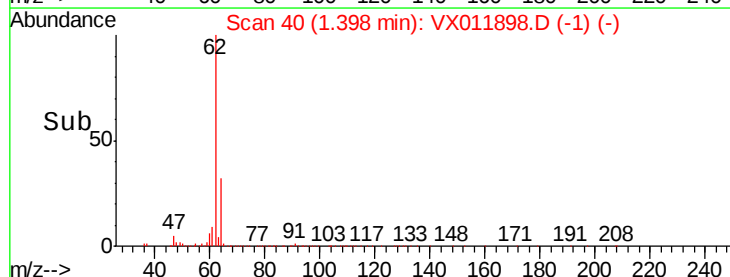
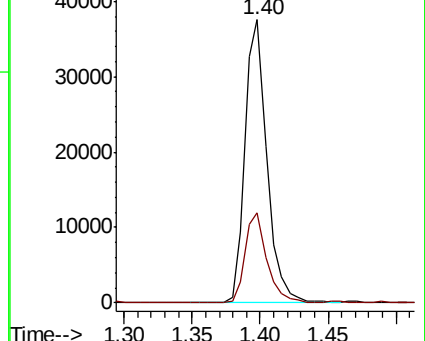
62 100

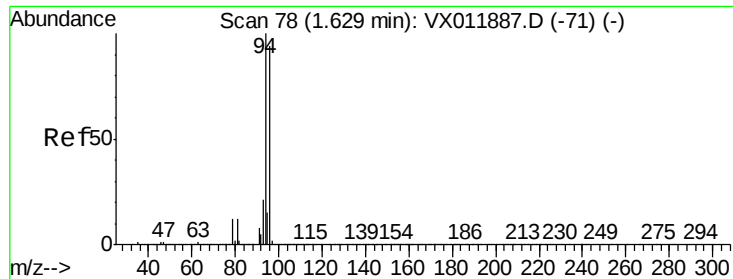
64 31.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.157 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

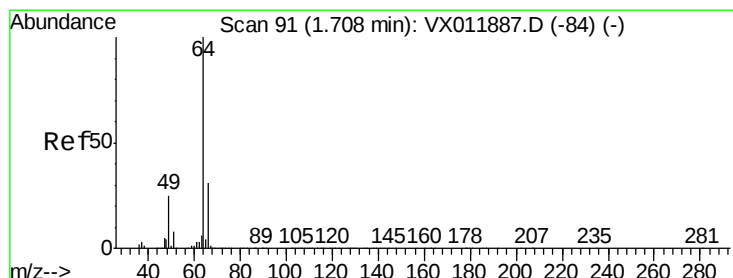
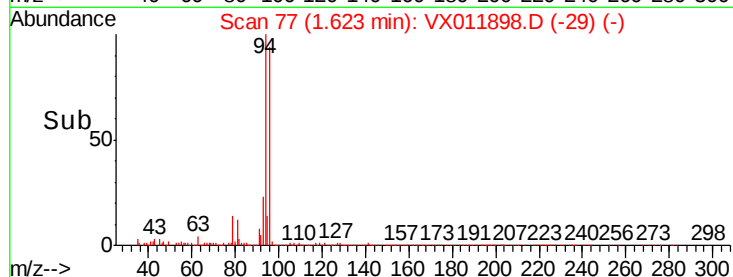
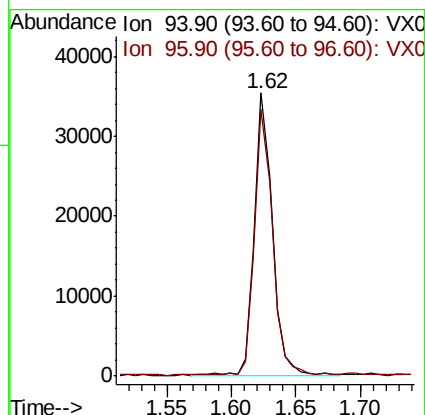
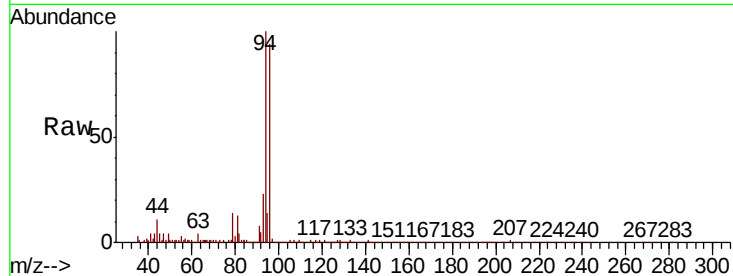
VX0829SBS01

Tgt Ion: 94 Resp: 33714

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.6



#6

Chloroethane

Concen: 21.254 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011898.D

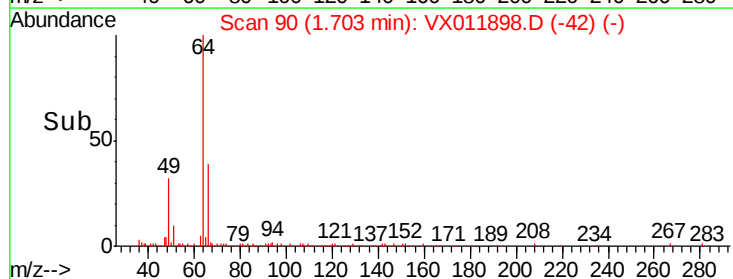
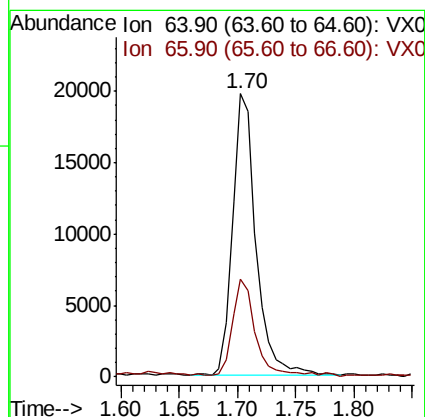
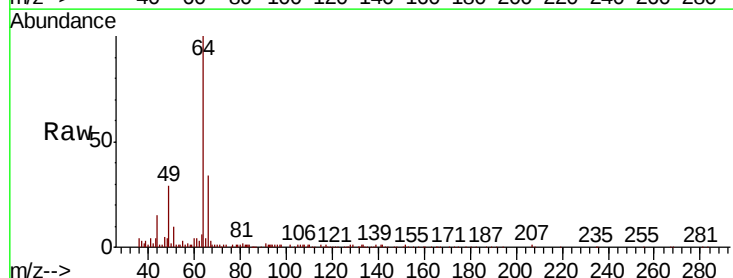
Acq: 30 Aug 2019 04:28

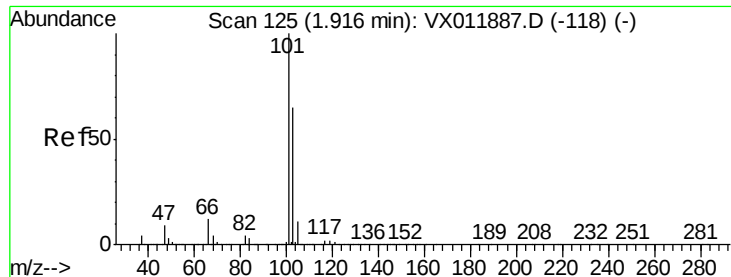
Tgt Ion: 64 Resp: 27833

Ion Ratio Lower Upper

64 100

66 34.1 25.0 37.4



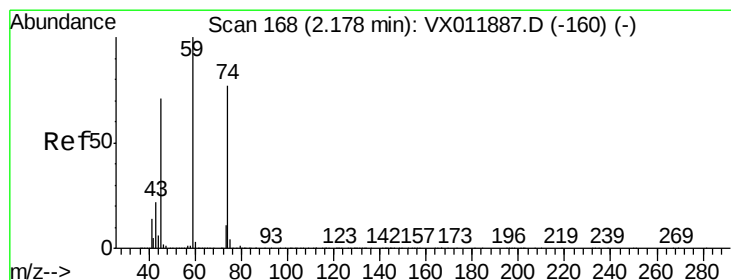
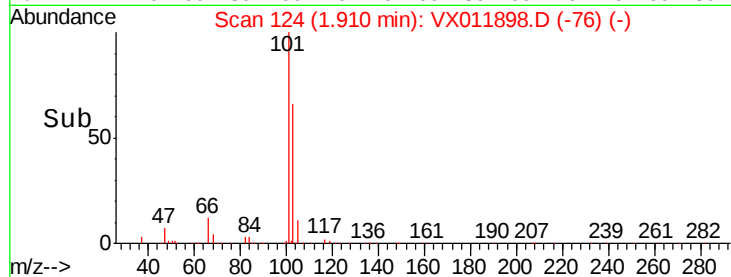
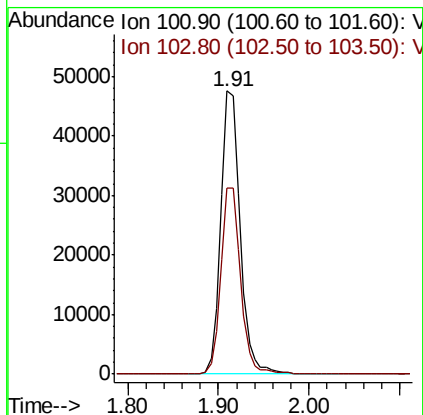
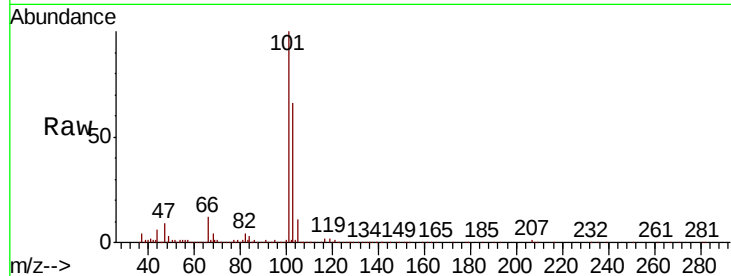


#7

Trichlorofluoromethane
Concen: 19.500 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

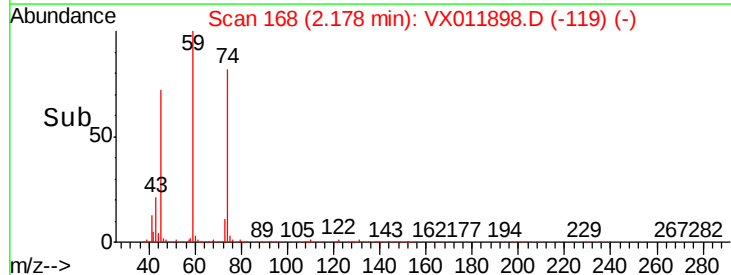
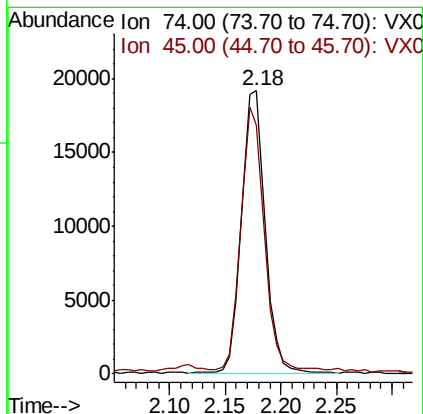
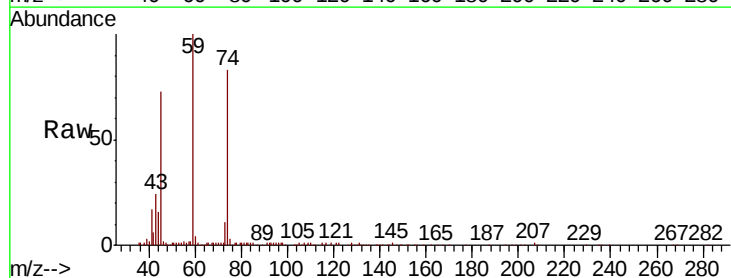
Tgt Ion:101 Resp: 71258
Ion Ratio Lower Upper
101 100
103 65.7 51.6 77.4

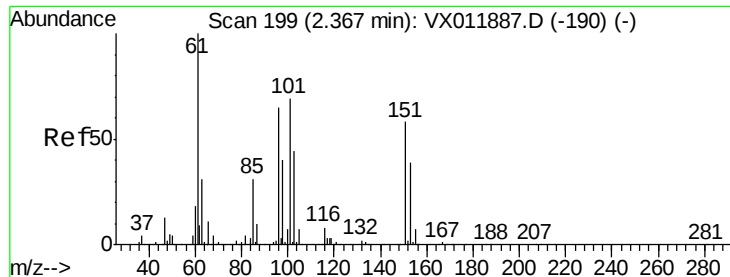


#8

Diethyl Ether
Concen: 22.771 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion: 74 Resp: 28597
Ion Ratio Lower Upper
74 100
45 92.5 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.234 ug/l

RT: 2.37 min Scan# 199

Delta R.T. 0.00 min

Lab File: VX011898.D

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MSVOA_X

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VX0829SBS01

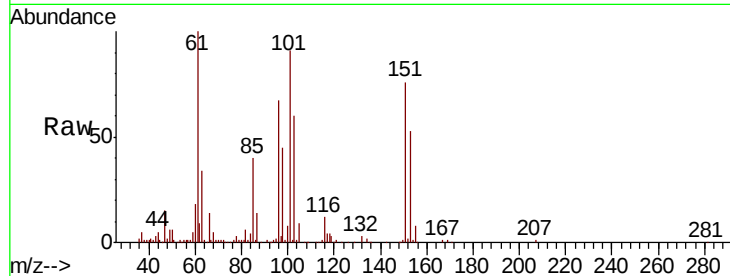
Tgt Ion:101 Resp: 45810

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

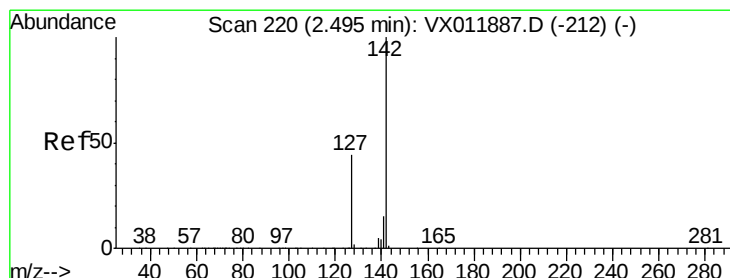
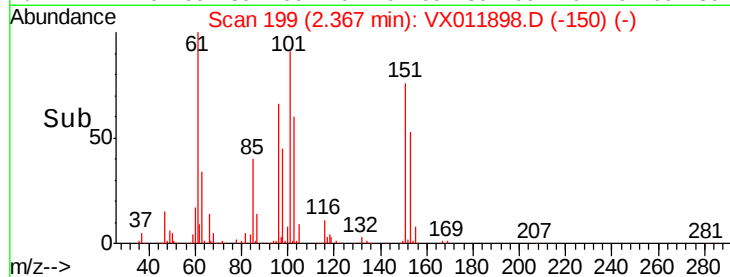
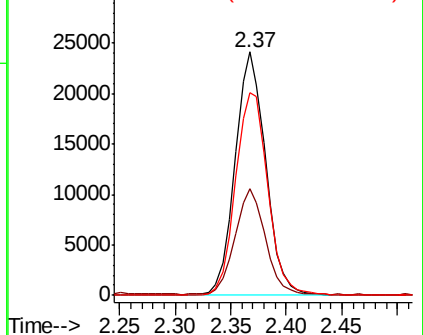
151 88.1 70.9 106.3



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: 16.926 ug/l

RT: 2.50 min Scan# 220

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

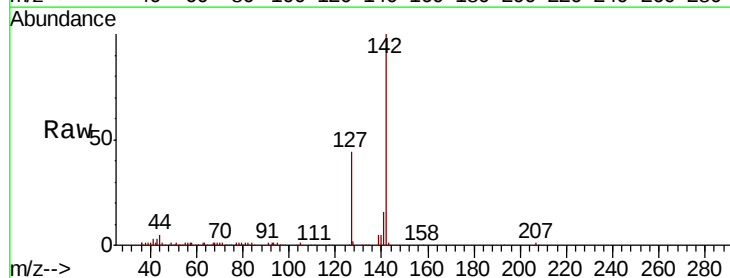
Tgt Ion:142 Resp: 37187

Ion Ratio Lower Upper

142 100

127 44.3 35.7 53.5

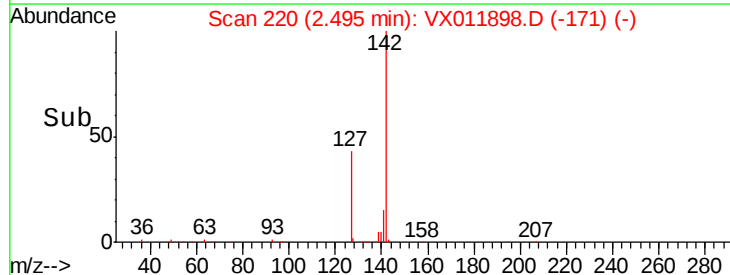
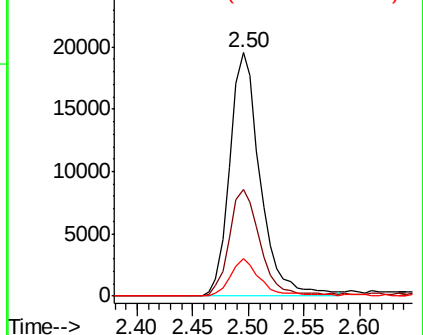
141 15.2 11.8 17.6

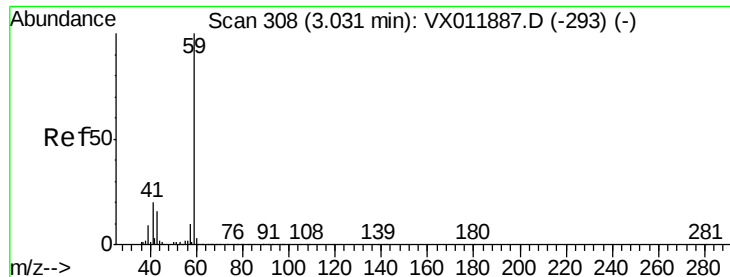


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



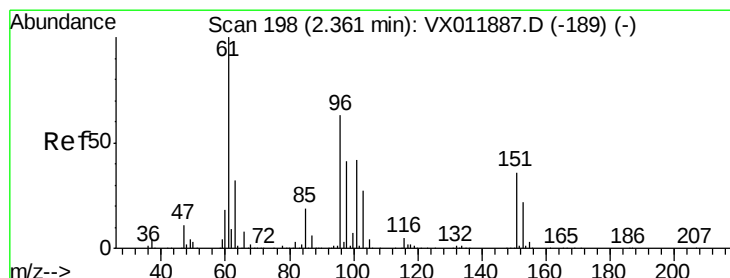
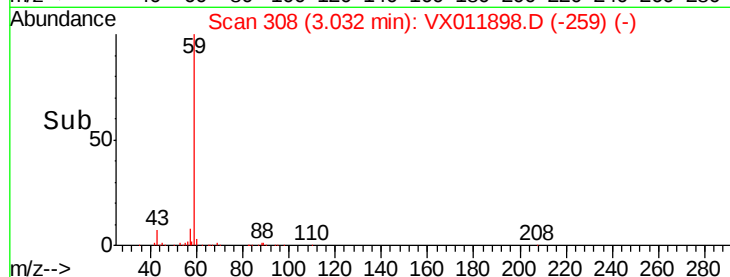
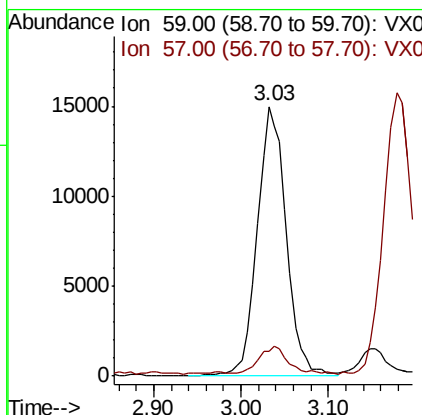
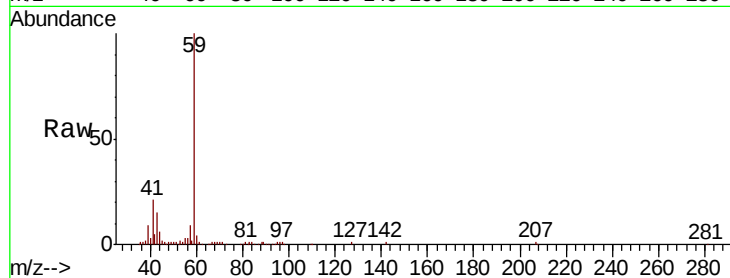


#11

Tert butyl alcohol
 Concen: 119.097 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

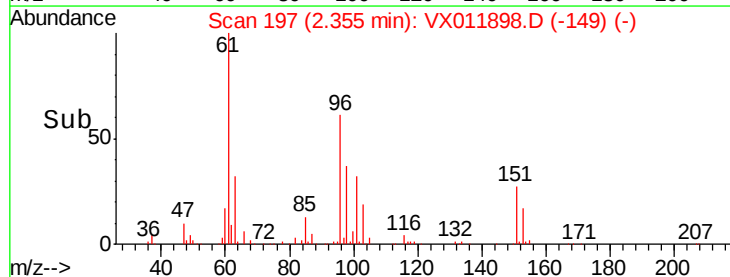
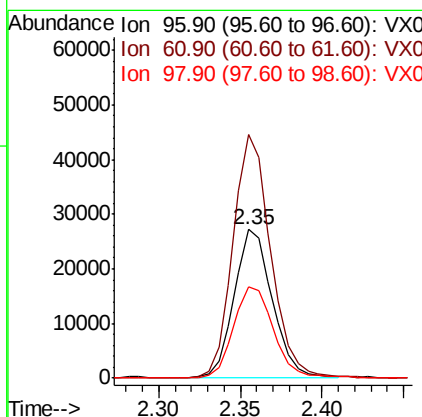
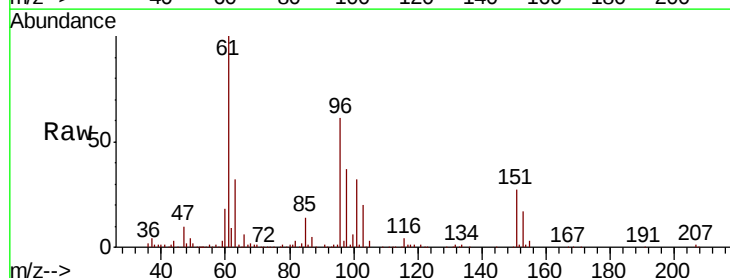
Tgt Ion: 59 Resp: 34574
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.6 12.8

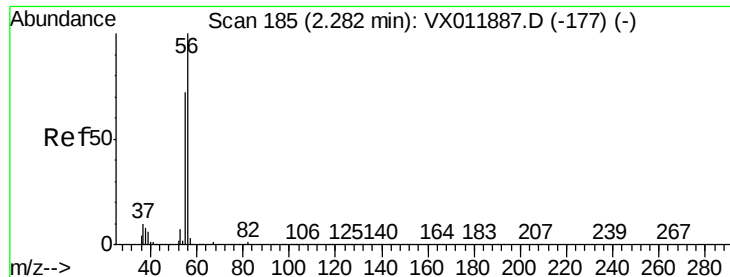


#12

1,1-Dichloroethene
 Concen: 19.925 ug/l
 RT: 2.35 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 96 Resp: 44074
 Ion Ratio Lower Upper
 96 100
 61 164.7 126.6 190.0
 98 61.0 51.6 77.4





#13

Acrolein

Concen: 114.728 ug/l

RT: 2.28 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

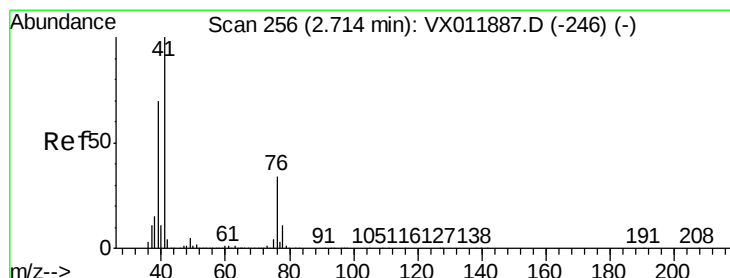
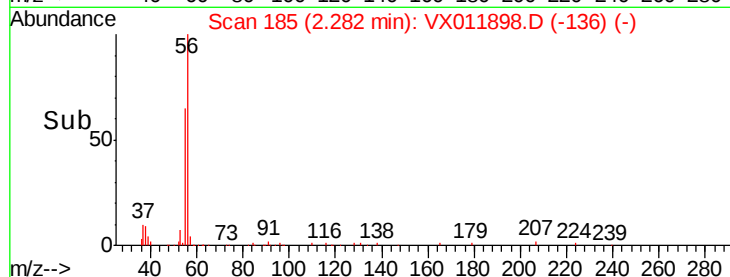
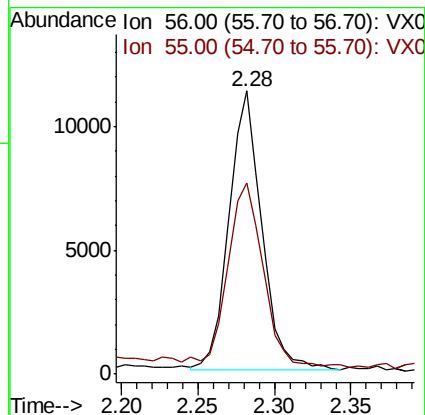
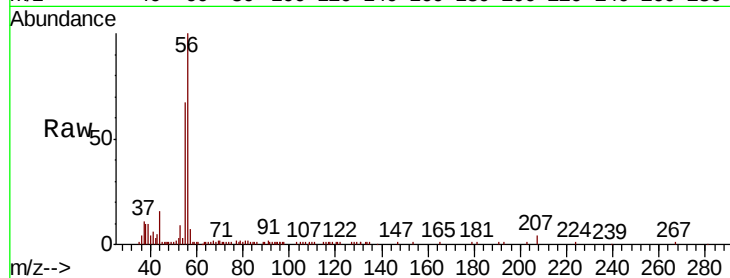
VX0829SBS01

Tgt Ion: 56 Resp: 16577

Ion Ratio Lower Upper

56 100

55 73.6 58.6 88.0



#14

Allyl chloride

Concen: 21.378 ug/l

RT: 2.71 min Scan# 256

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

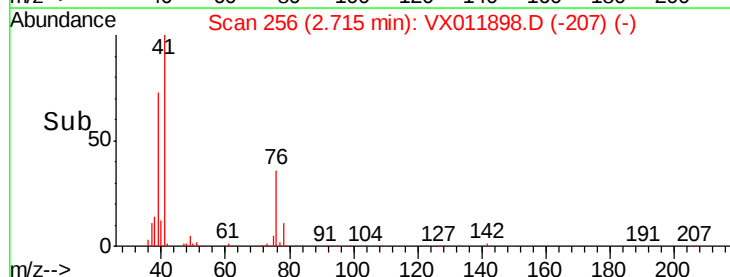
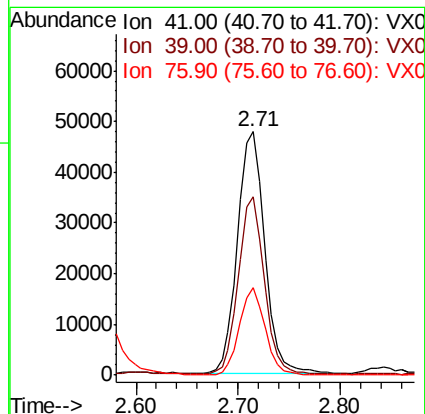
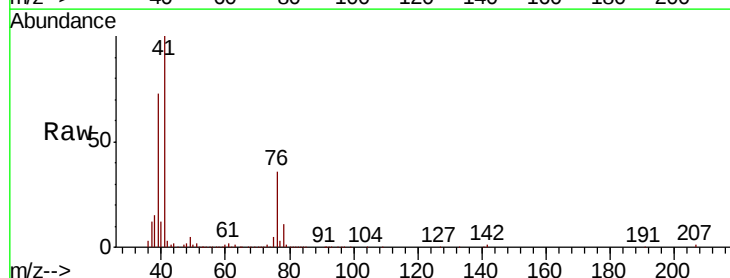
Tgt Ion: 41 Resp: 88704

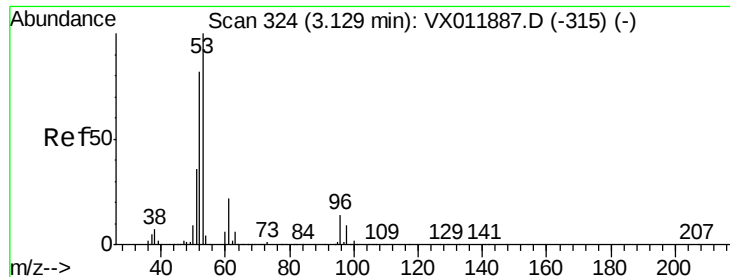
Ion Ratio Lower Upper

41 100

39 69.4 55.0 82.6

76 33.5 27.0 40.4





#15

Acrylonitrile

Concen: 118.318 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

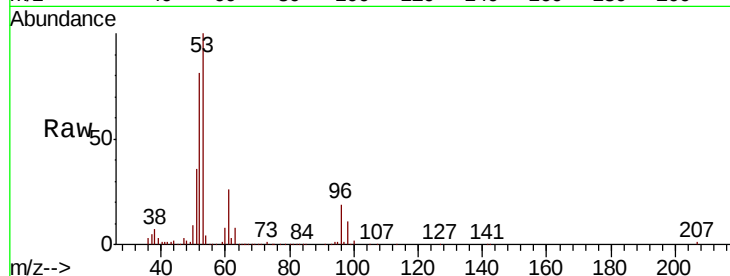
Tgt Ion: 53 Resp: 81619

Ion Ratio Lower Upper

53 100

52 81.5 65.3 97.9

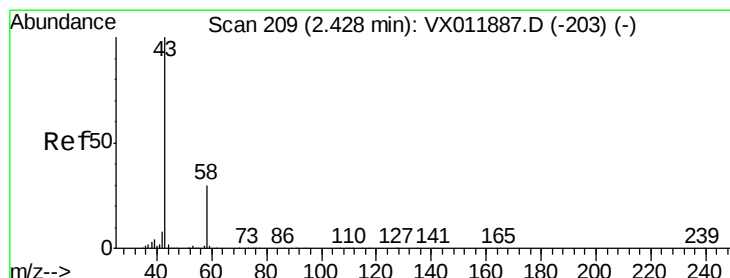
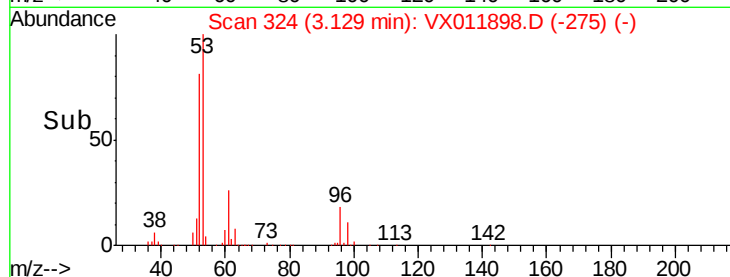
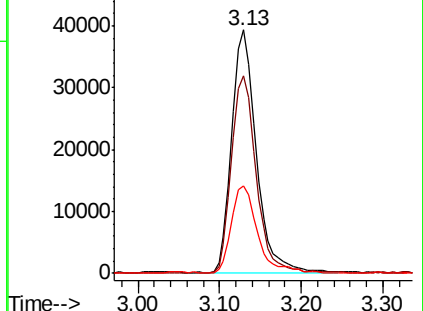
51 37.4 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 105.127 ug/l

RT: 2.43 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX011898.D

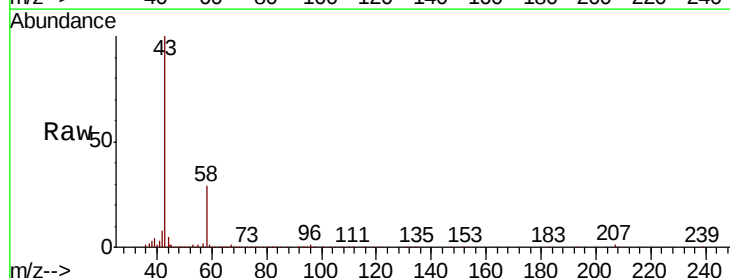
Acq: 30 Aug 2019 04:28

Tgt Ion: 43 Resp: 68252

Ion Ratio Lower Upper

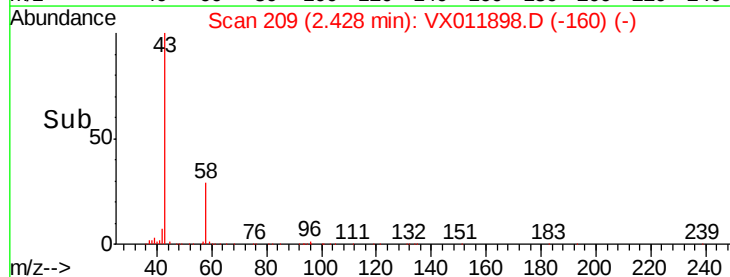
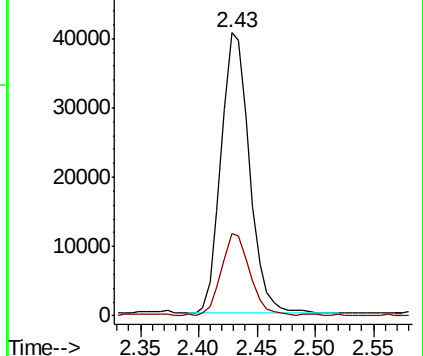
43 100

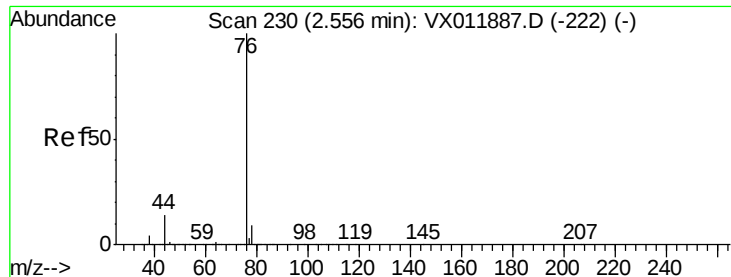
58 29.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

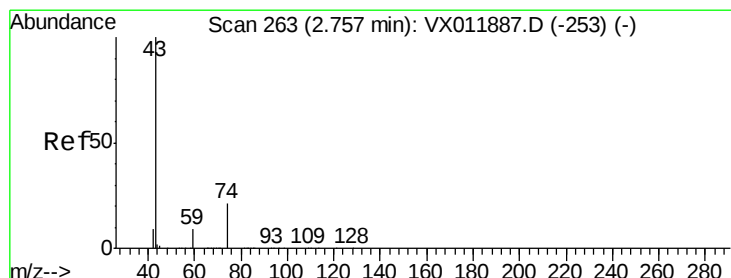
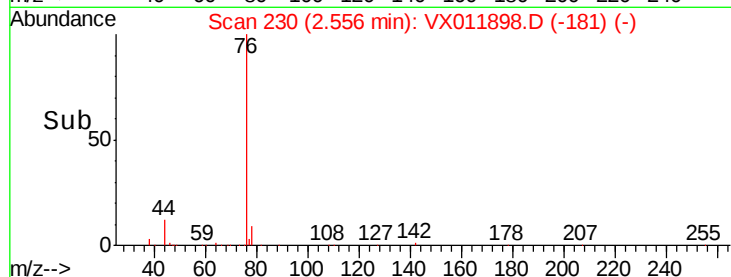
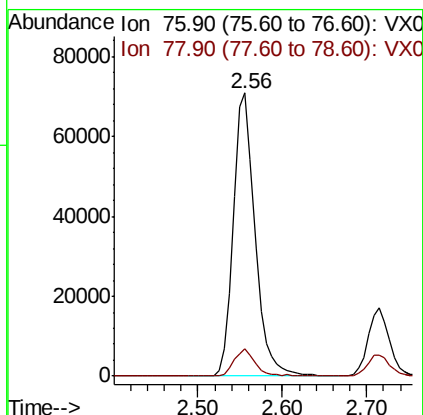
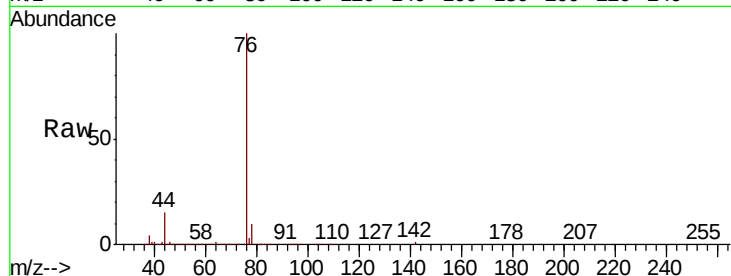




#17
Carbon Disulfide
Concen: 19.548 ug/l
RT: 2.56 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

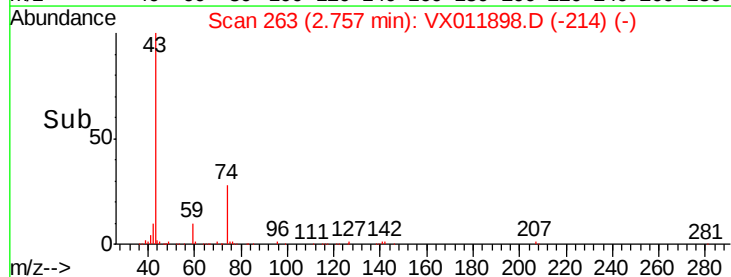
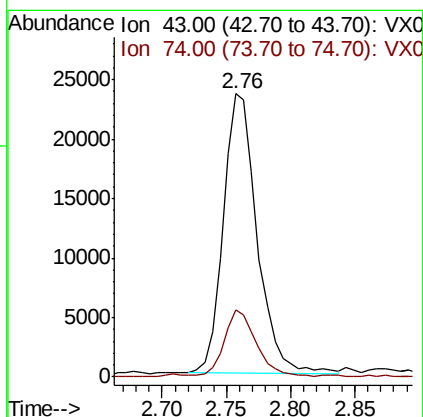
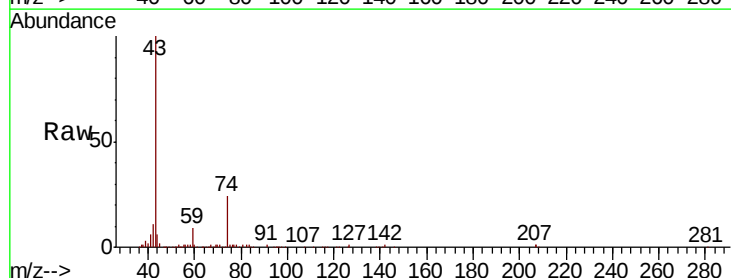
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

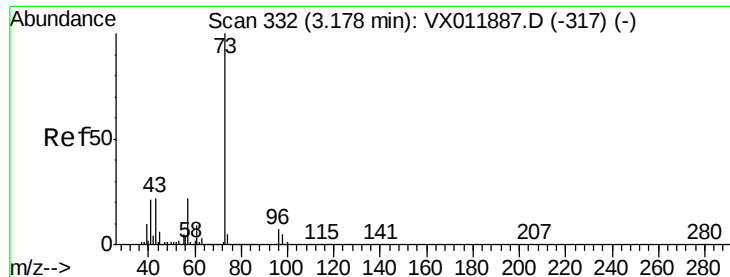
Tgt Ion: 76 Resp: 124029
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 23.984 ug/l
RT: 2.76 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion: 43 Resp: 43104
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6





#19

Methyl tert-butyl Ether

Concen: 23.539 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

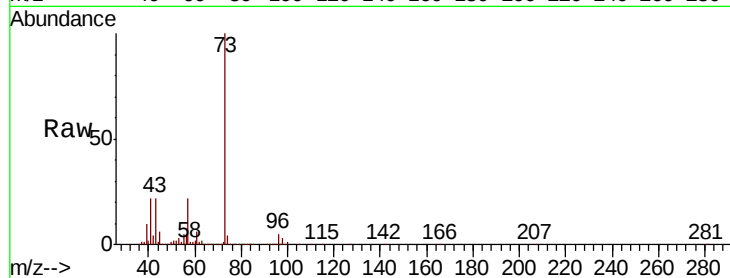
VX0829SBS01

Tgt Ion: 73 Resp: 168684

Ion Ratio Lower Upper

73 100

57 21.8 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.18

80000

60000

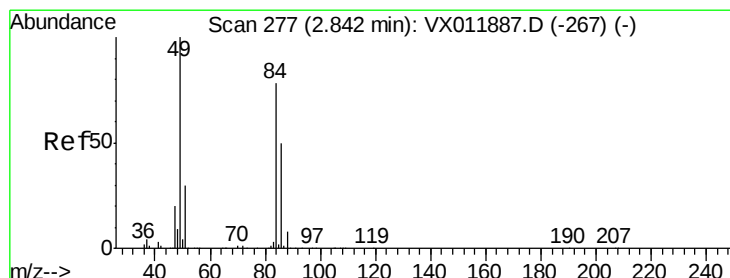
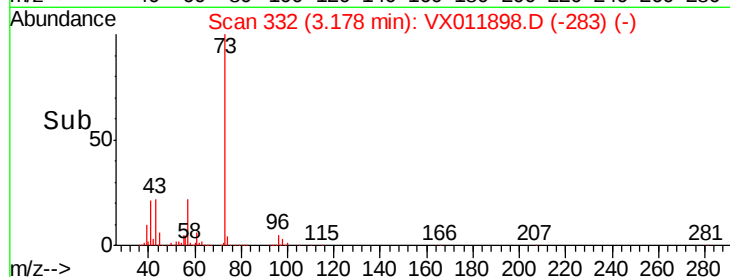
40000

20000

0

Time-->

3.10 3.20 3.30



#20

Methylene Chloride

Concen: 22.080 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Tgt Ion: 84 Resp: 68764

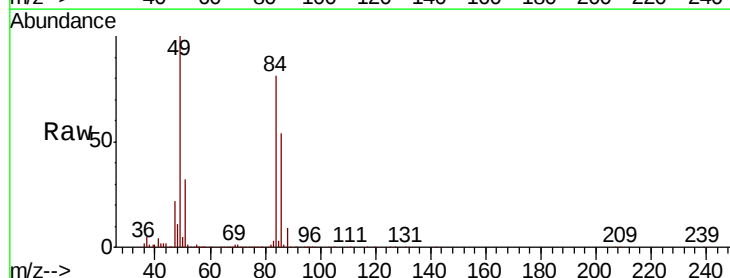
Ion Ratio Lower Upper

84 100

49 123.2 103.0 154.4

51 39.1 30.8 46.2

86 66.0 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

60000

50000

40000

30000

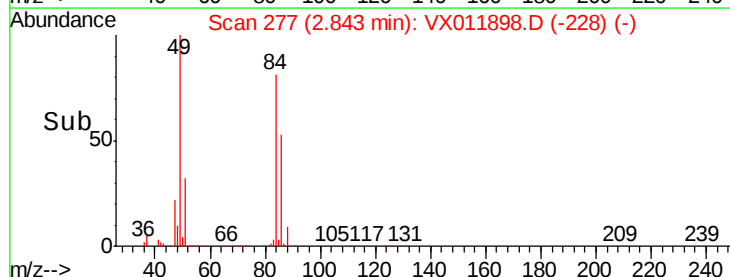
20000

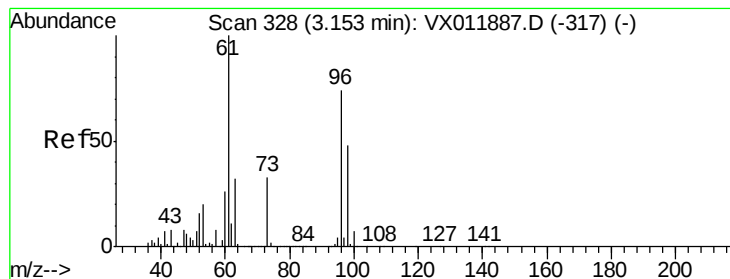
10000

0

Time-->

2.80 2.90





#21

trans-1,2-Dichloroethene

Concen: 21.580 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

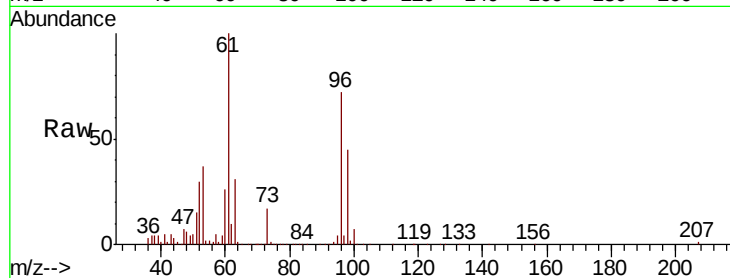
Tgt Ion: 96 Resp: 56230

Ion Ratio Lower Upper

96 100

61 139.3 107.4 161.2

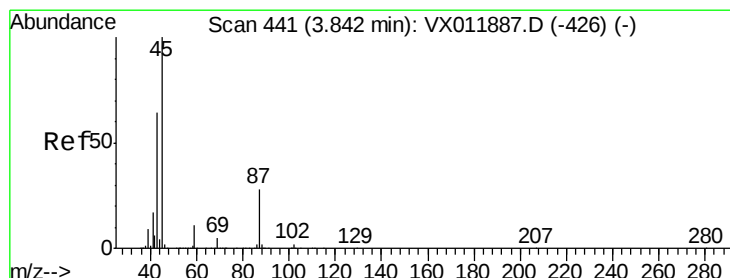
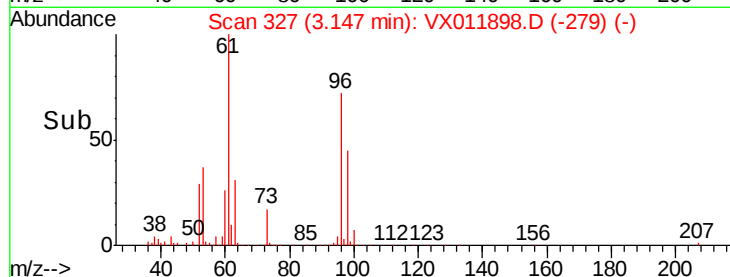
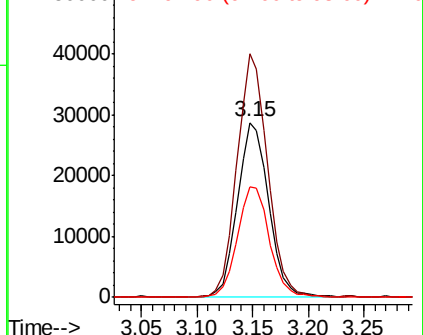
98 62.9 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 23.187 ug/l

RT: 3.84 min Scan# 441

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Tgt Ion: 45 Resp: 196412

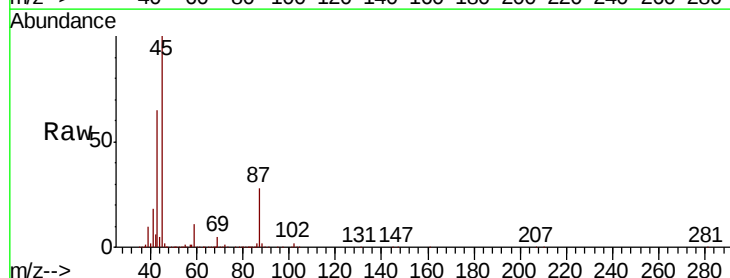
Ion Ratio Lower Upper

45 100

43 64.7 51.0 76.6

87 27.5 22.0 33.0

59 11.0 9.1 13.7

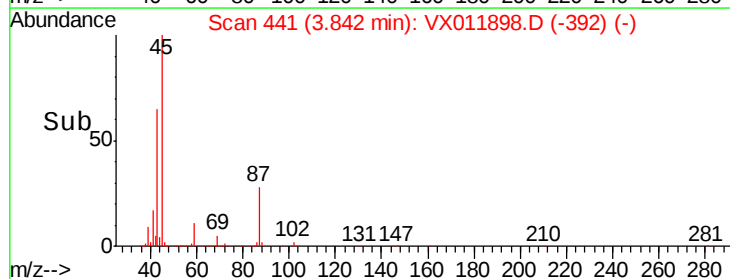
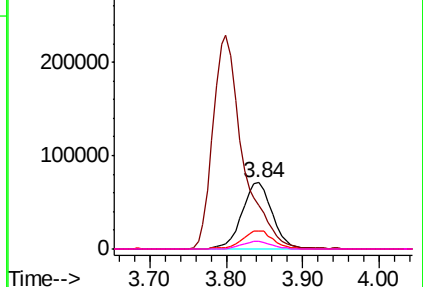


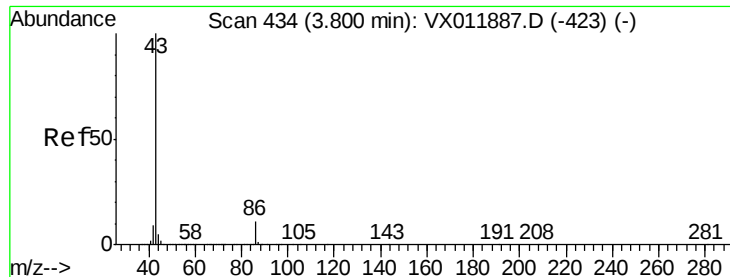
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

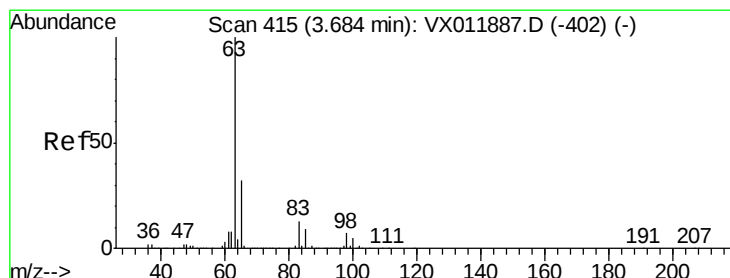
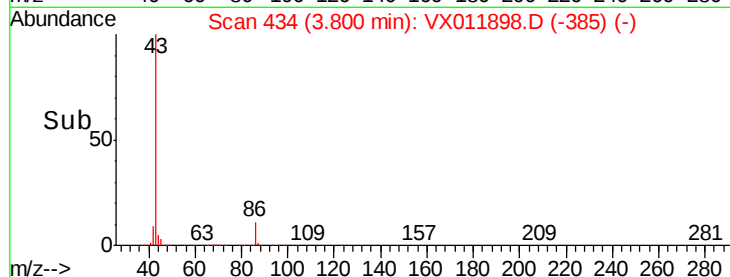
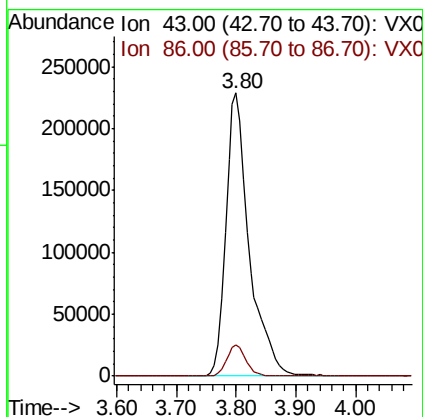
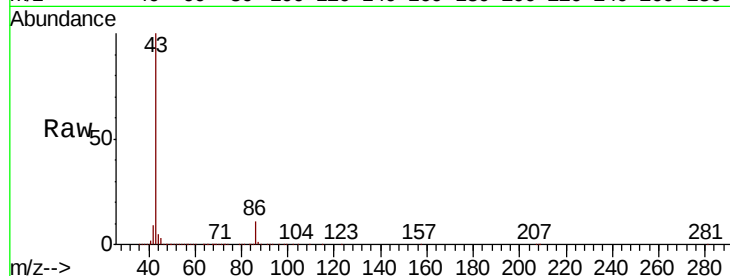




#23
 Vinyl Acetate
 Concen: 114.012 ug/l
 RT: 3.80 min Scan# 434
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

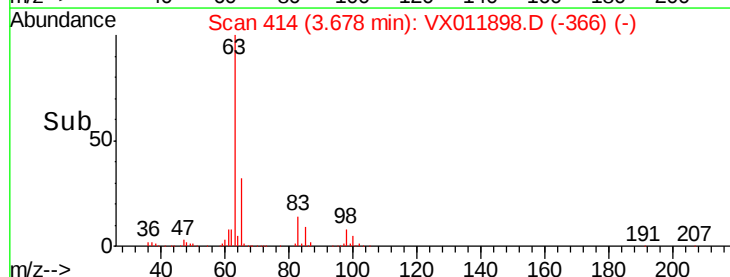
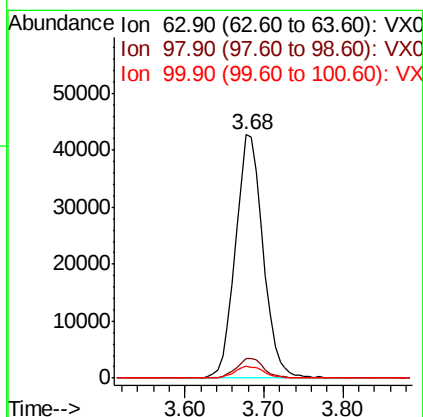
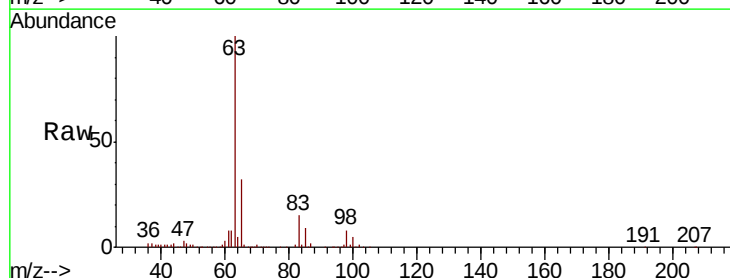
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

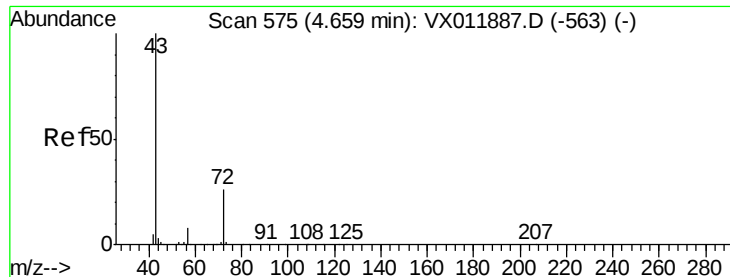
Tgt Ion: 43 Resp: 620925
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 22.268 ug/l
 RT: 3.68 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 63 Resp: 104020
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.8 11.2
 100 4.8 2.4 7.2





#25

2-Butanone

Concen: 115.015 ug/l

RT: 4.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

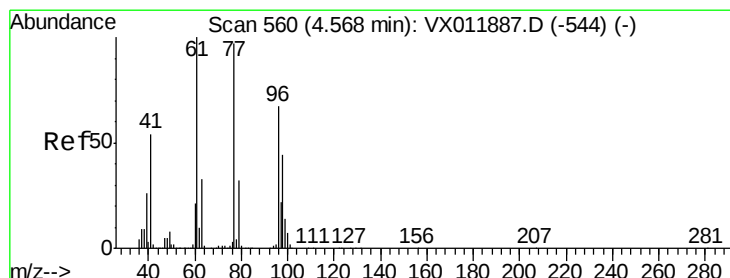
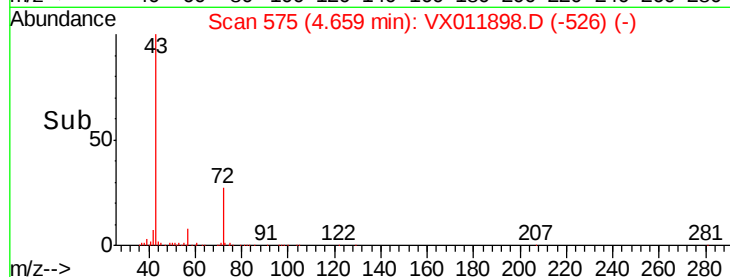
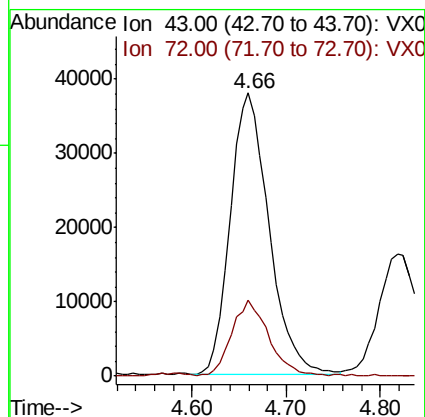
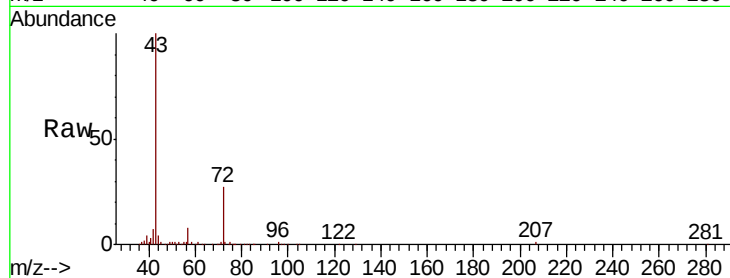
VX0829SBS01

Tgt Ion: 43 Resp: 108756

Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.4



#26

2,2-Dichloropropane

Concen: 19.252 ug/l

RT: 4.56 min Scan# 559

Delta R.T. -0.01 min

Lab File: VX011898.D

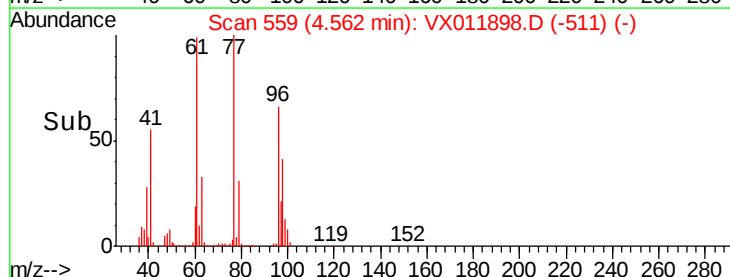
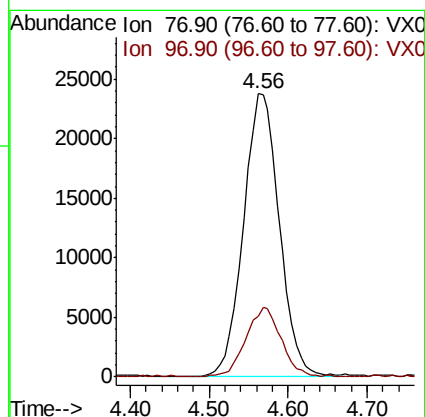
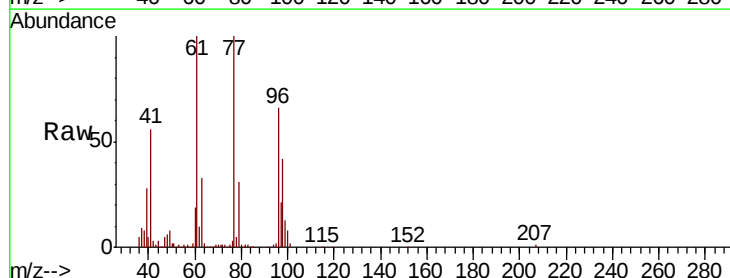
Acq: 30 Aug 2019 04:28

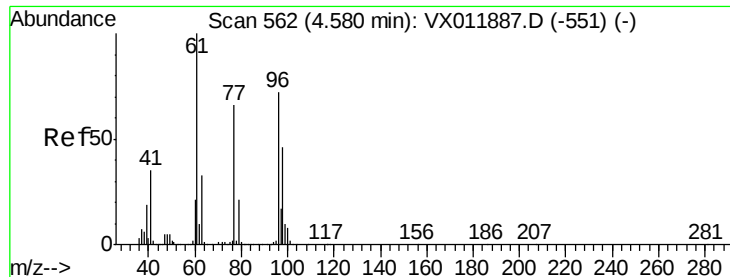
Tgt Ion: 77 Resp: 75426

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.1



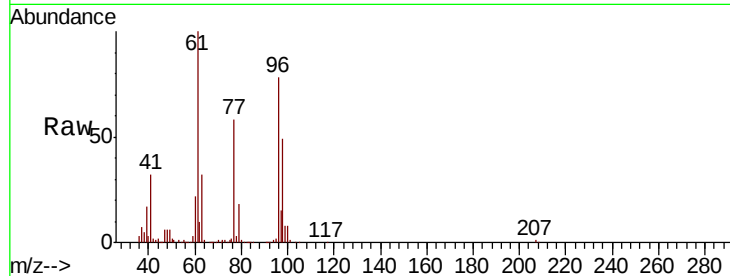


#27

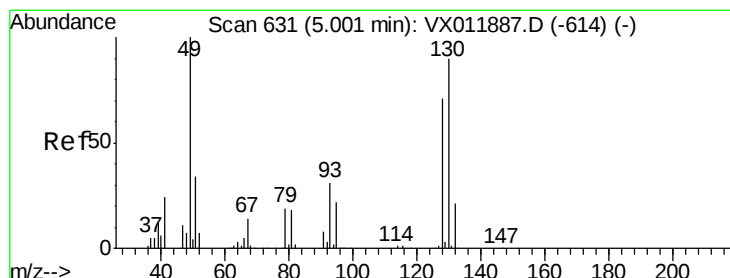
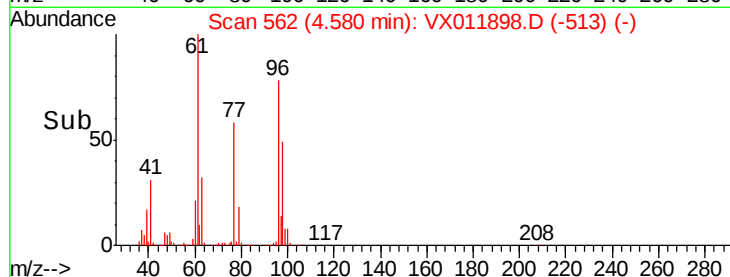
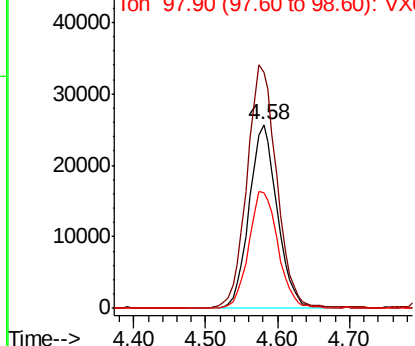
cis-1,2-Dichloroethene
 Concen: 22.943 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tgt Ion: 96 Resp: 70415
 Ion Ratio Lower Upper
 96 100
 61 138.7 0.0 283.8
 98 65.6 0.0 131.2



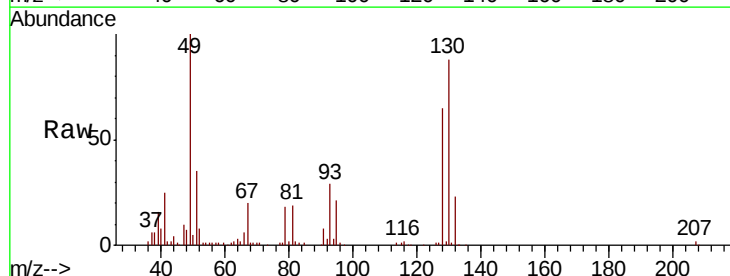
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



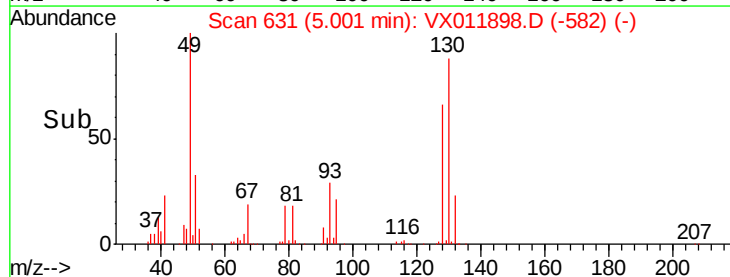
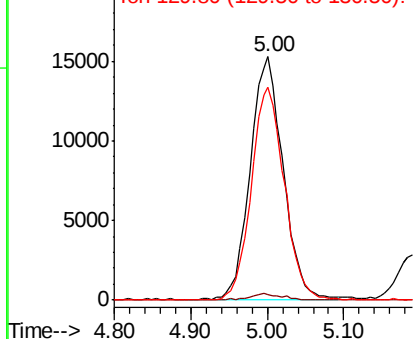
#28

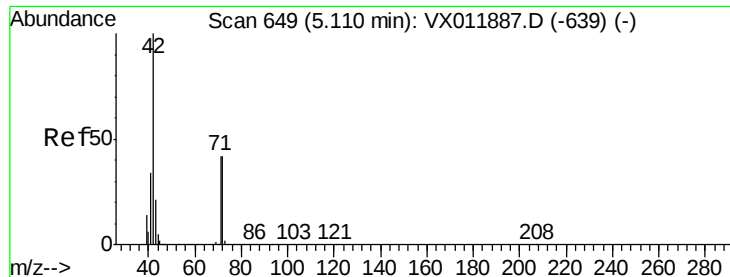
Bromochloromethane
 Concen: 21.928 ug/l
 RT: 5.00 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 49 Resp: 45962
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 4.8
 130 87.2 70.6 105.8



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





#29

Tetrahydrofuran

Concen: 118.278 ug/l

RT: 5.12 min Scan# 650

Delta R.T. 0.01 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

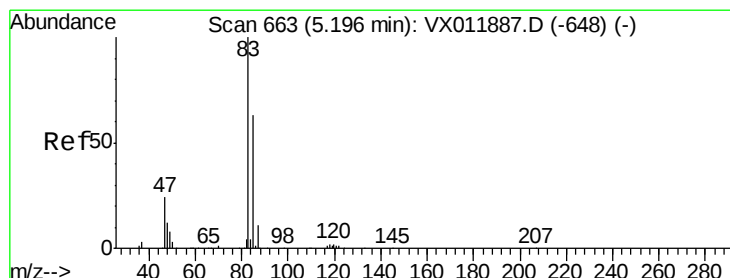
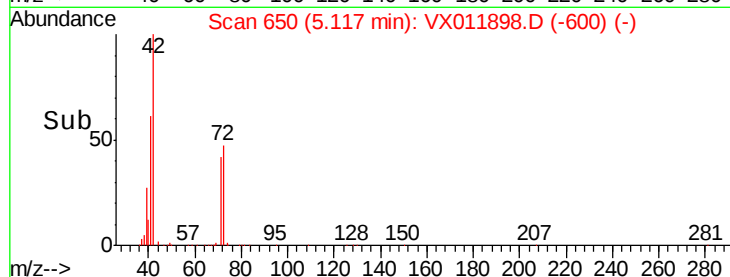
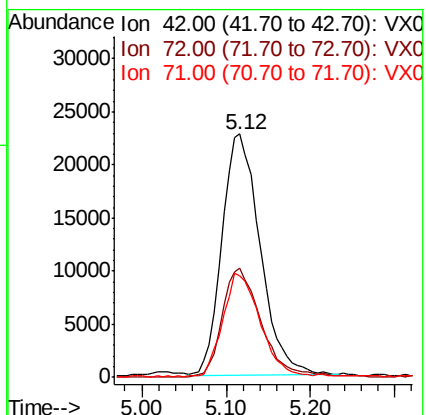
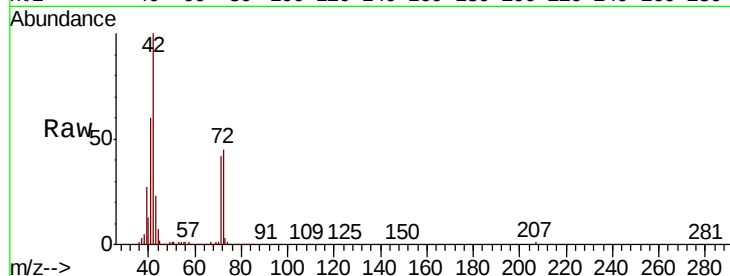
Tgt Ion: 42 Resp: 69808

Ion Ratio Lower Upper

42 100

72 47.1 36.2 54.4

71 41.7 33.1 49.7



#30

Chloroform

Concen: 22.680 ug/l

RT: 5.20 min Scan# 663

Delta R.T. 0.00 min

Lab File: VX011898.D

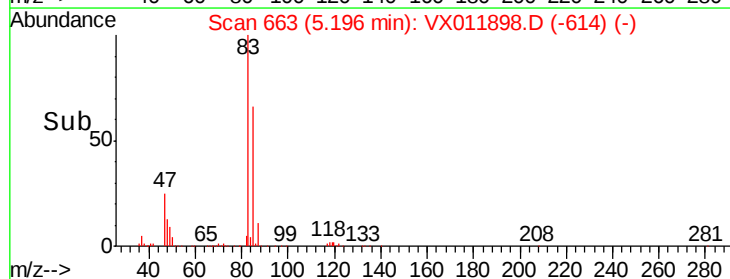
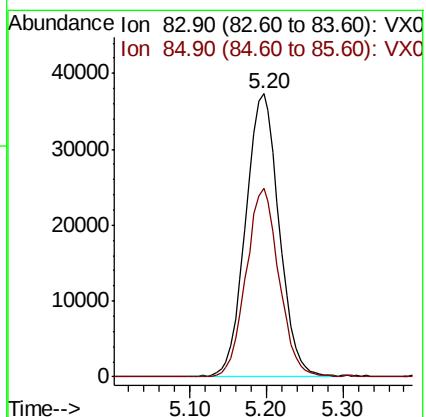
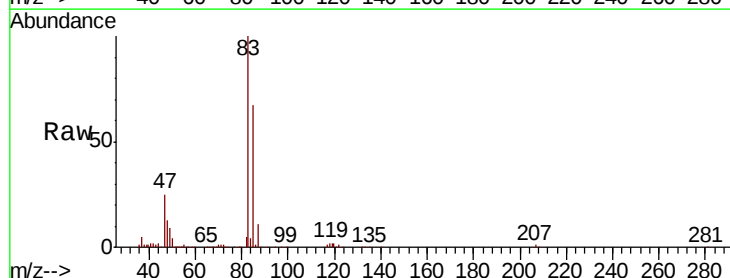
Acq: 30 Aug 2019 04:28

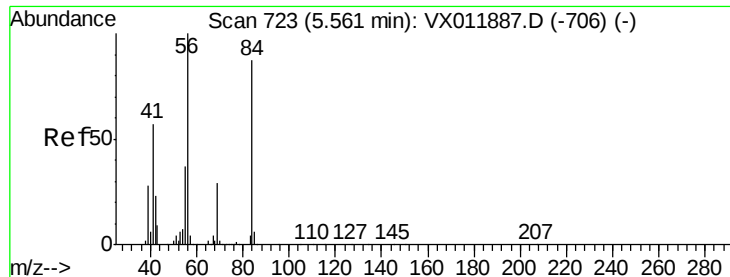
Tgt Ion: 83 Resp: 113279

Ion Ratio Lower Upper

83 100

85 66.8 50.6 75.8

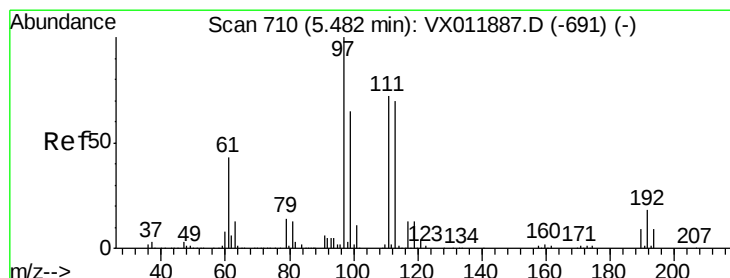
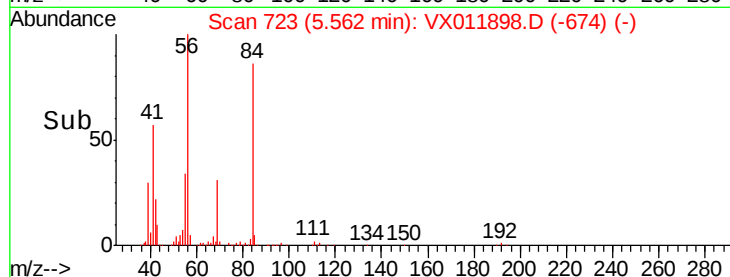
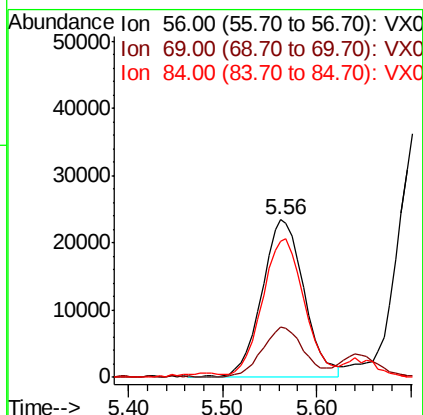
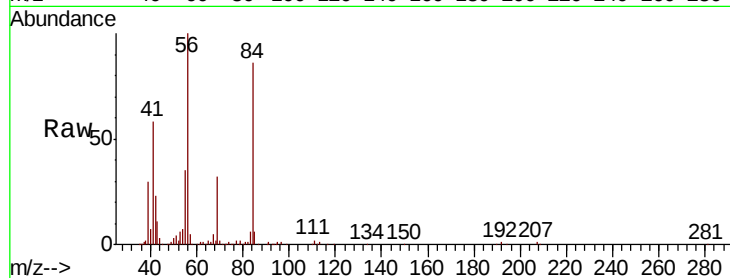




#31
Cyclohexane
Concen: 19.555 ug/l
RT: 5.56 min Scan# 723
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

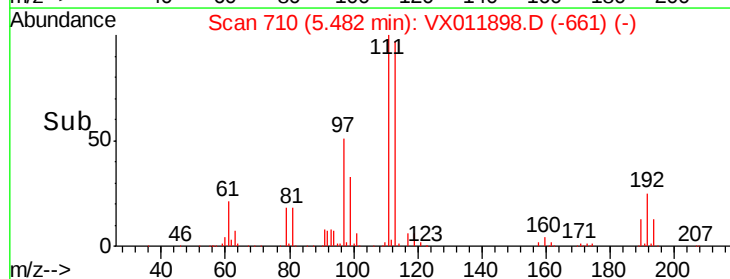
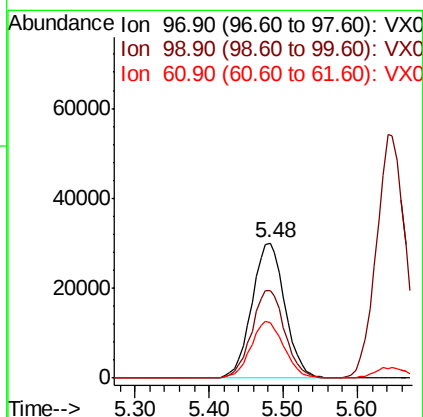
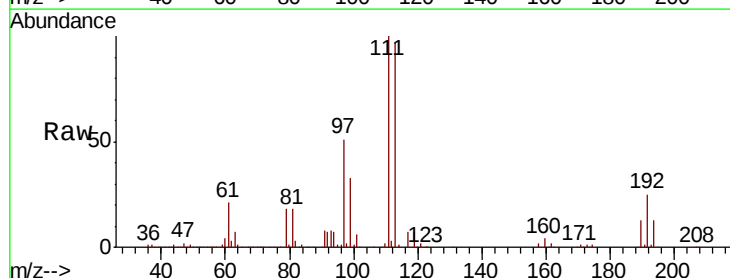
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

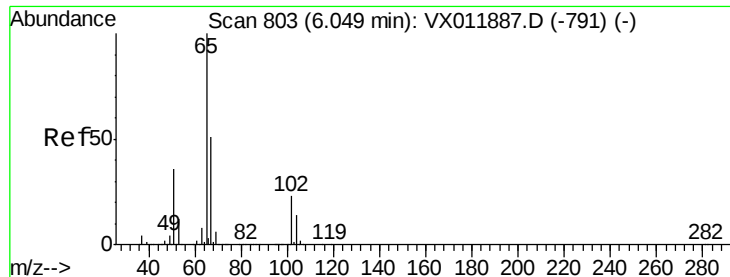
Tgt Ion: 56 Resp: 73678
Ion Ratio Lower Upper
56 100
69 30.7 23.1 34.7
84 84.3 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 21.132 ug/l
RT: 5.48 min Scan# 710
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion: 97 Resp: 93759
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.8
61 42.3 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 59.286 ug/l

RT: 6.05 min Scan# 803

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

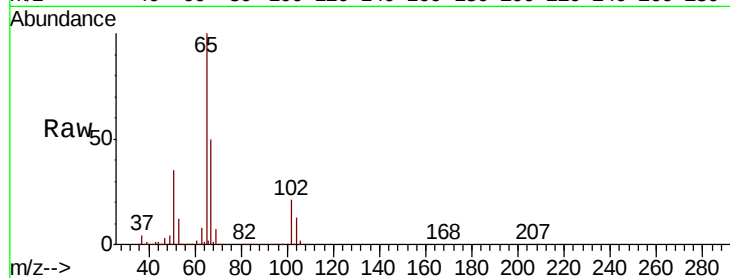
VX0829SBS01

Tgt Ion: 65 Resp: 178893

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

80000

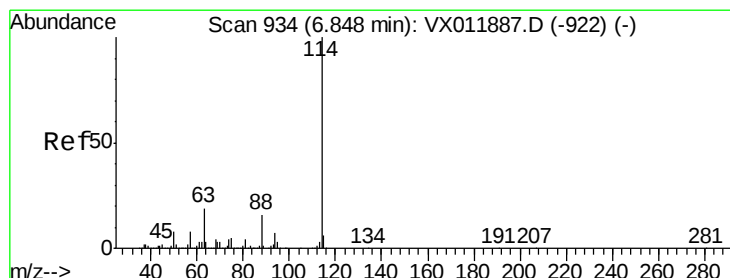
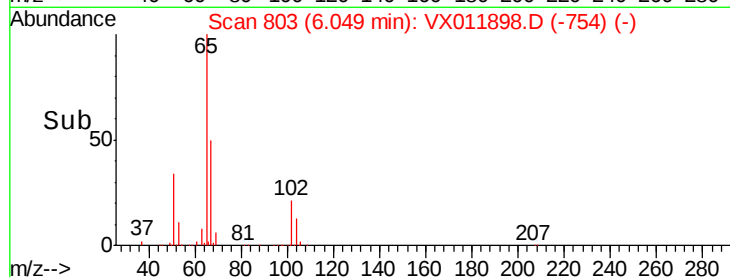
60000

40000

20000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

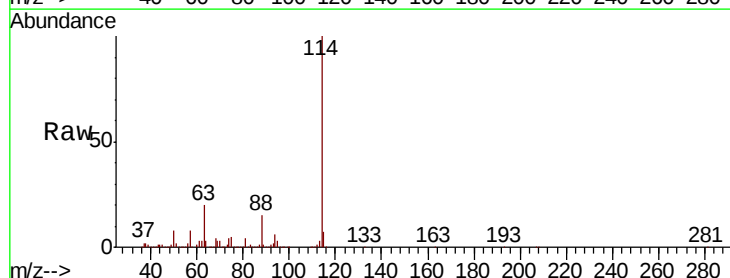
Tgt Ion: 114 Resp: 477066

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

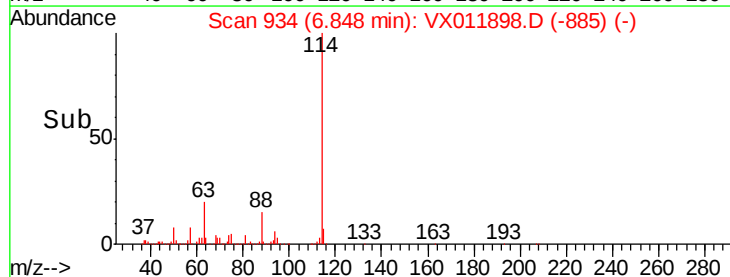
150000

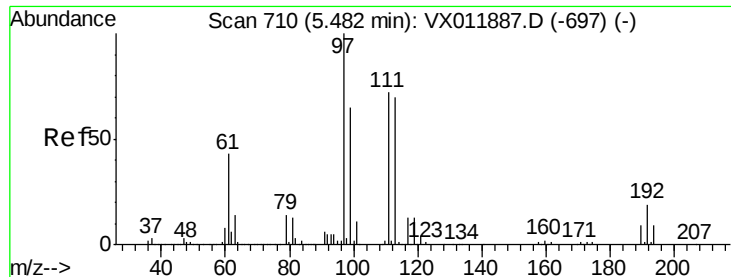
100000

50000

0

Time--> 6.80 7.00

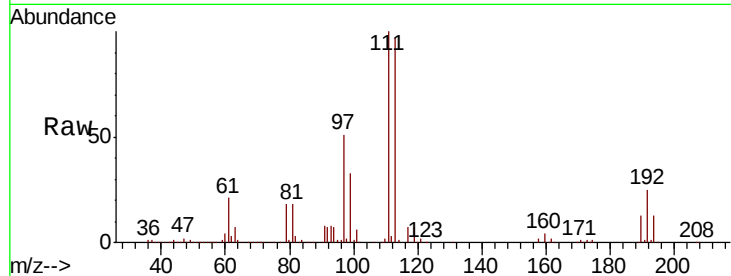




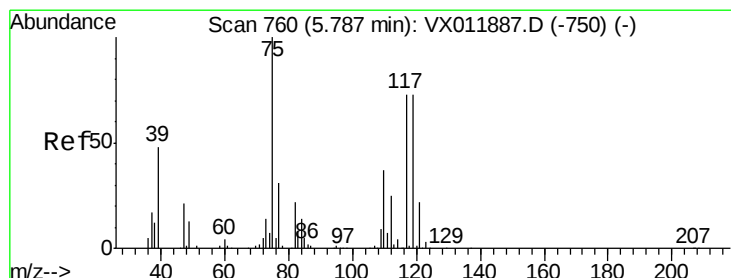
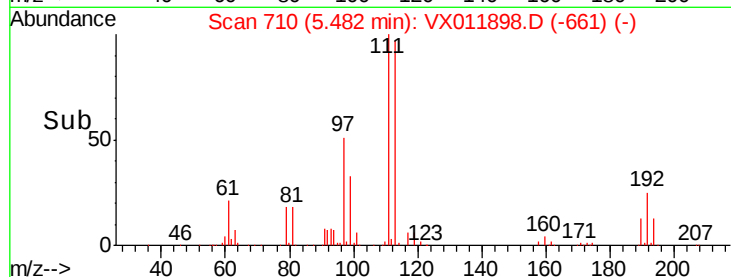
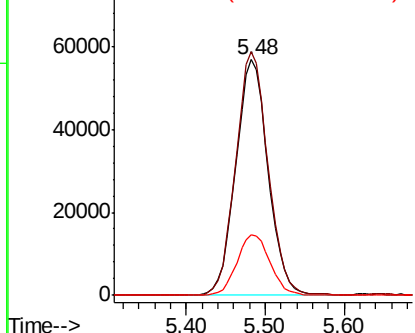
#35
 Dibromofluoromethane
 Concen: 52.939 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tgt Ion:113 Resp: 161949
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.1 123.1
 192 26.4 21.5 32.3

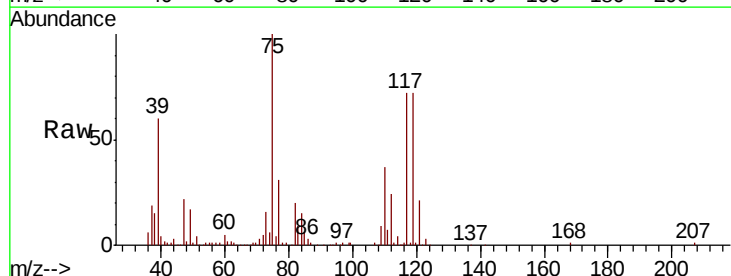


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

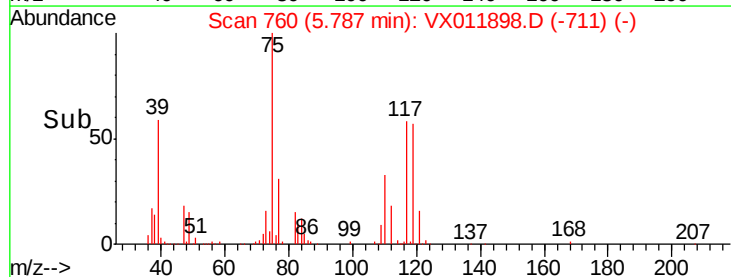
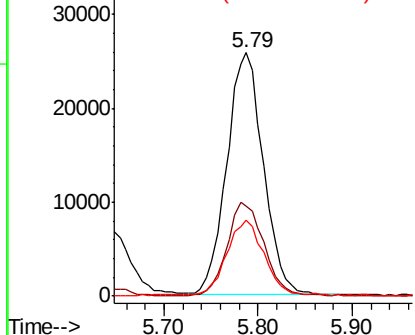


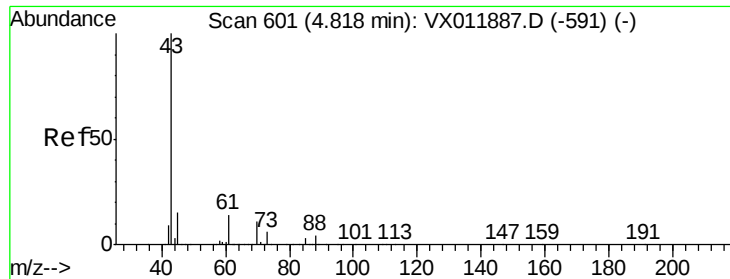
#36
 1,1-Dichloropropene
 Concen: 18.366 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 75 Resp: 69416
 Ion Ratio Lower Upper
 75 100
 110 39.3 19.1 57.3
 77 30.9 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

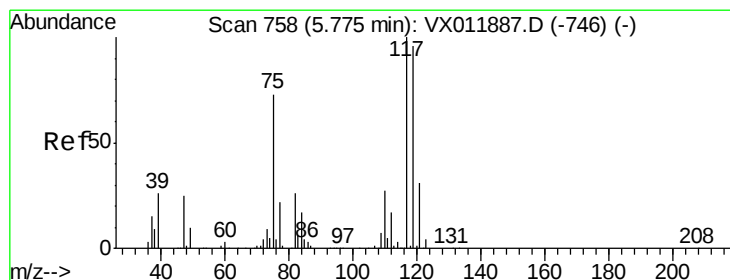
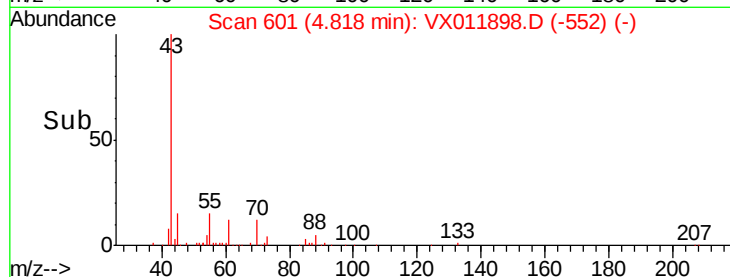
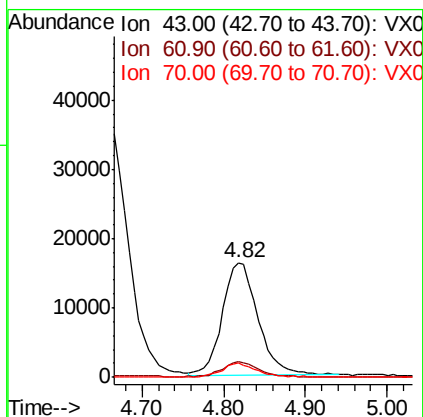
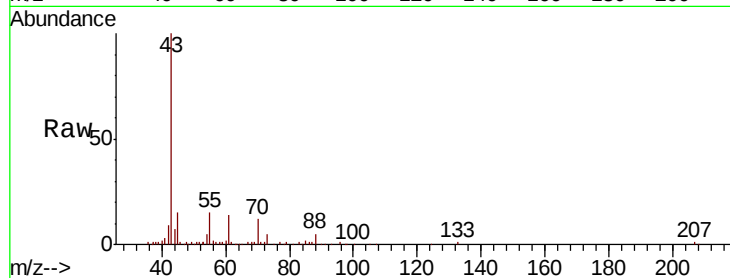




#37
Ethyl Acetate
Concen: 21.810 ug/l
RT: 4.82 min Scan# 601
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

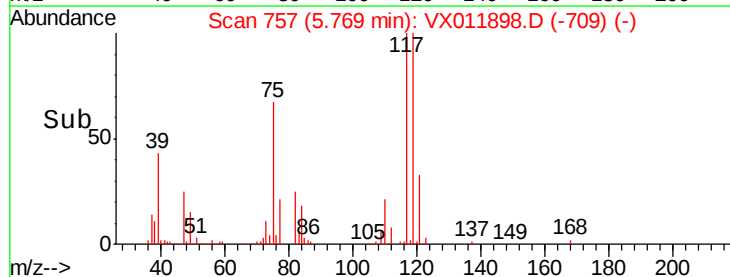
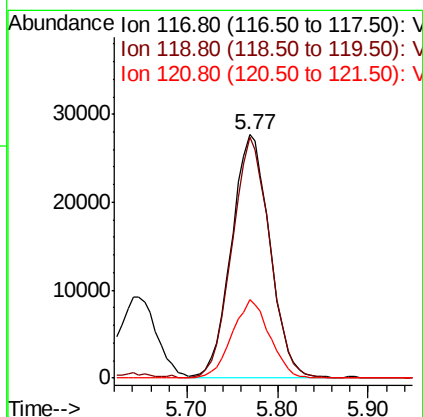
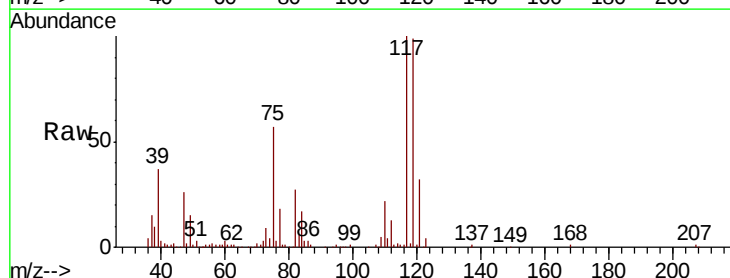
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

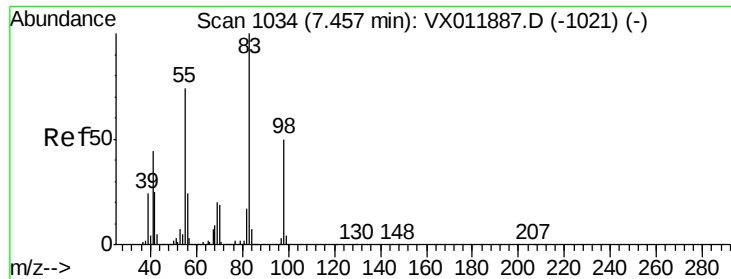
Tgt Ion: 43 Resp: 48794
Ion Ratio Lower Upper
43 100
61 13.5 11.0 16.4
70 12.6 9.2 13.8



#38
Carbon Tetrachloride
Concen: 18.479 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion: 117 Resp: 80999
Ion Ratio Lower Upper
117 100
119 99.1 76.6 114.8
121 32.4 24.7 37.1

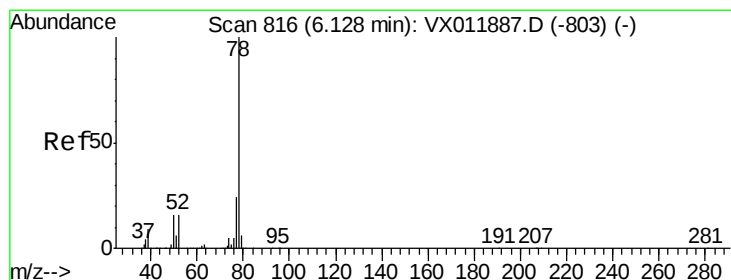
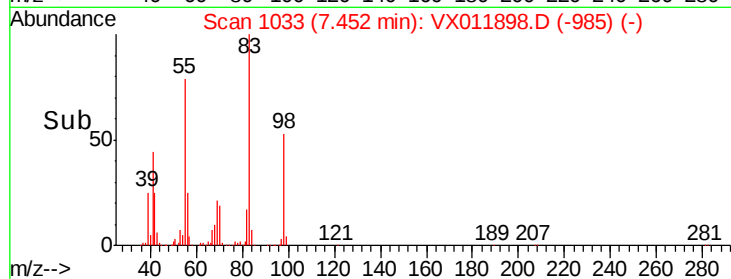
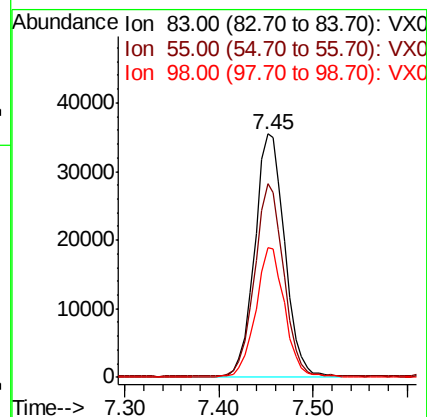
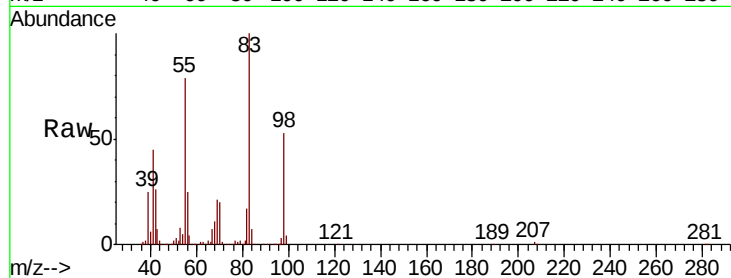




#39
Methylcyclohexane
Concen: 17.631 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

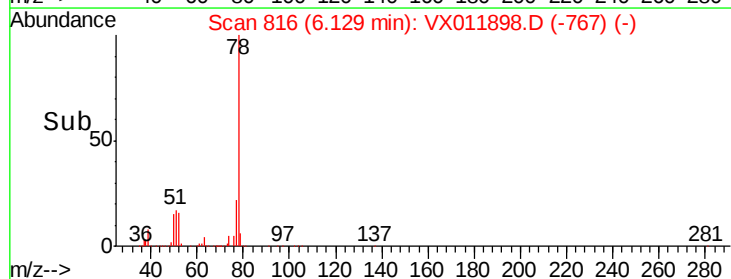
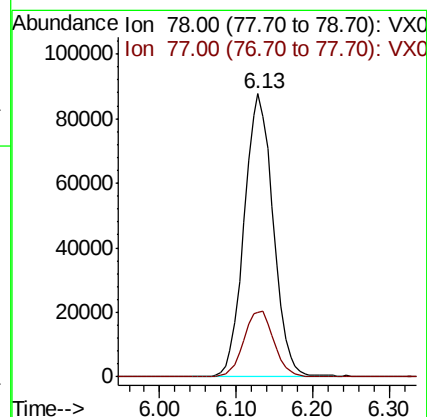
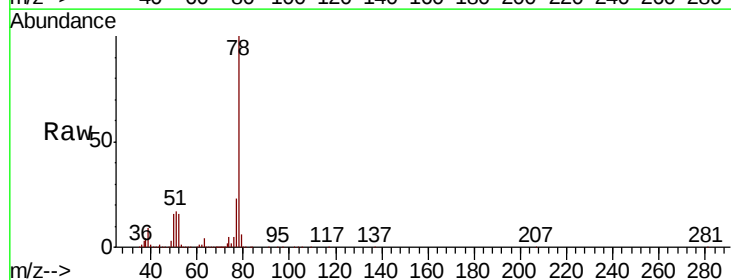
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

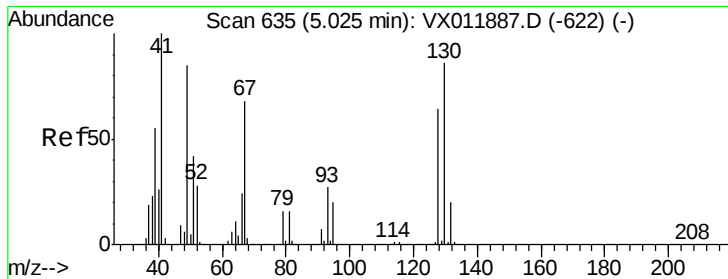
Tgt Ion: 83 Resp: 79370
Ion Ratio Lower Upper
83 100
55 79.0 59.4 89.0
98 53.2 40.3 60.5



#40
Benzene
Concen: 20.456 ug/l
RT: 6.13 min Scan# 816
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion: 78 Resp: 230783
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.6





#41

Methacrylonitrile

Concen: 21.846 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBSD01

Tgt Ion: 41 Resp: 28777

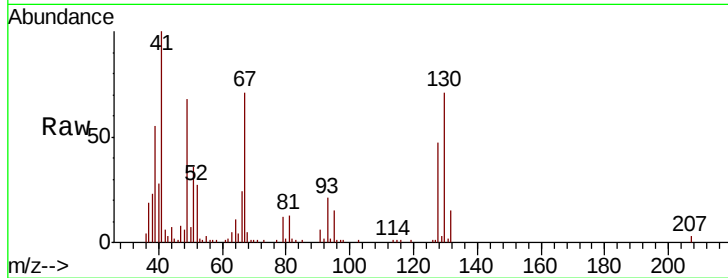
Ion Ratio Lower Upper

41 100

39 57.5 45.0 67.6

67 72.0 55.0 82.4

52 32.1 24.1 36.1

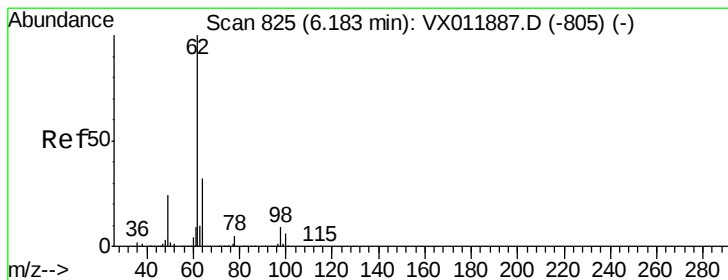
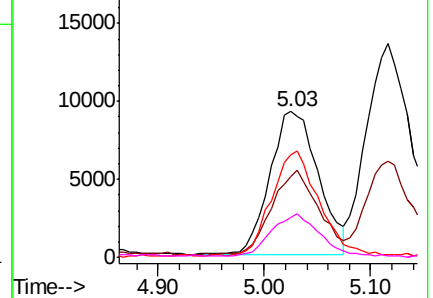
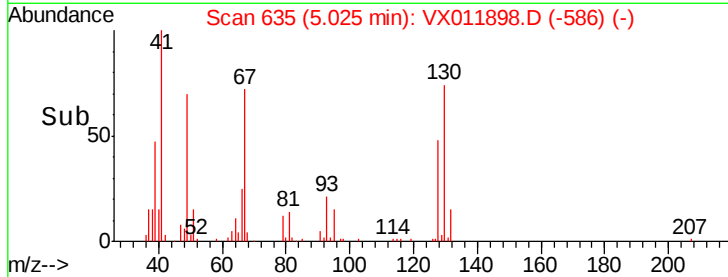


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.650 ug/l

RT: 6.18 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX011898.D

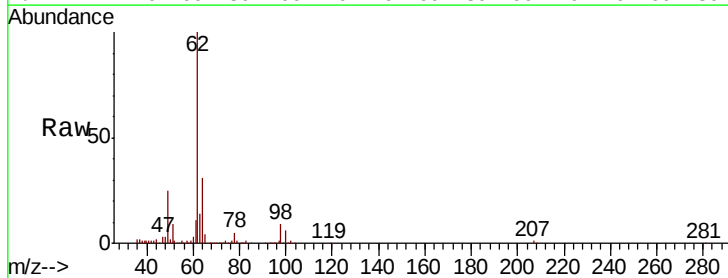
Acq: 30 Aug 2019 04:28

Tgt Ion: 62 Resp: 83060

Ion Ratio Lower Upper

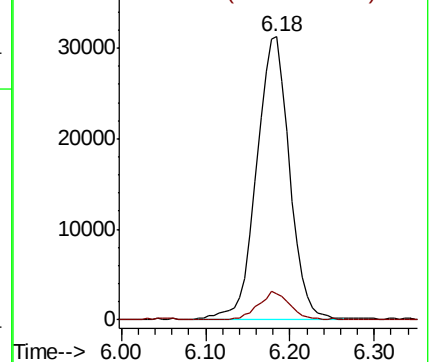
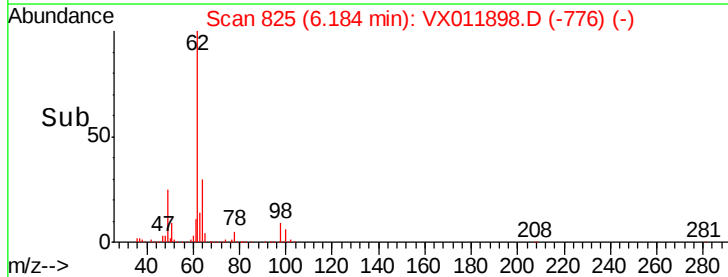
62 100

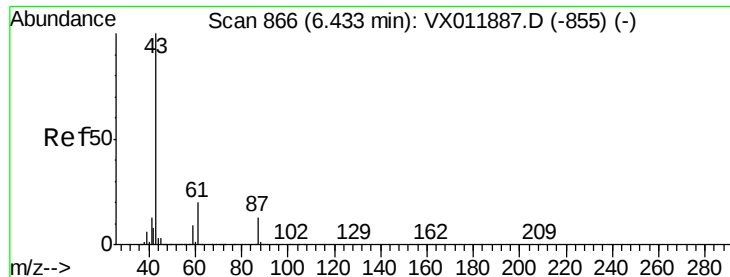
98 9.8 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.673 ug/l

RT: 6.43 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

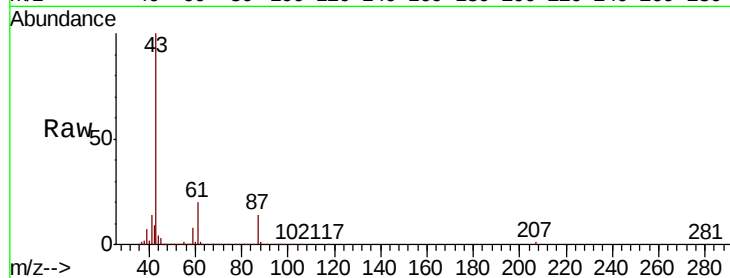
Tgt Ion: 43 Resp: 98306

Ion Ratio Lower Upper

43 100

61 20.5 16.1 24.1

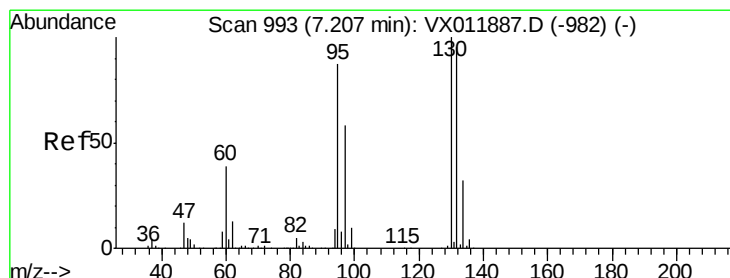
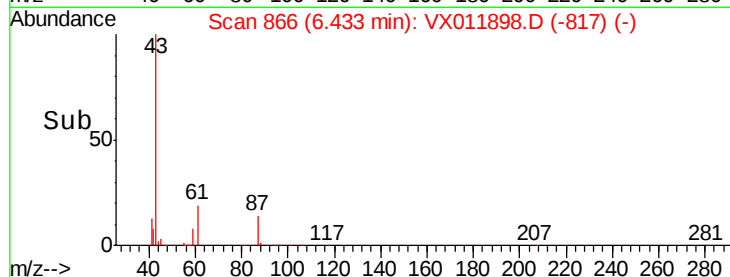
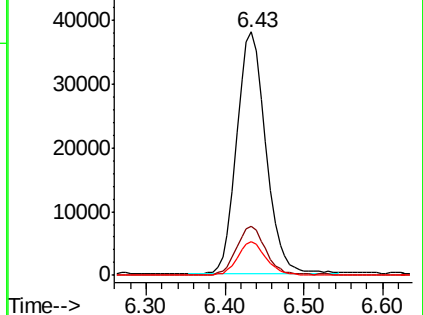
87 13.8 10.6 16.0



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: 20.049 ug/l

RT: 7.21 min Scan# 993

Delta R.T. 0.00 min

Lab File: VX011898.D

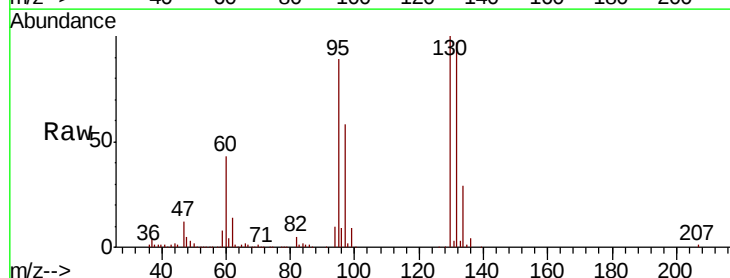
Acq: 30 Aug 2019 04:28

Tgt Ion: 130 Resp: 69981

Ion Ratio Lower Upper

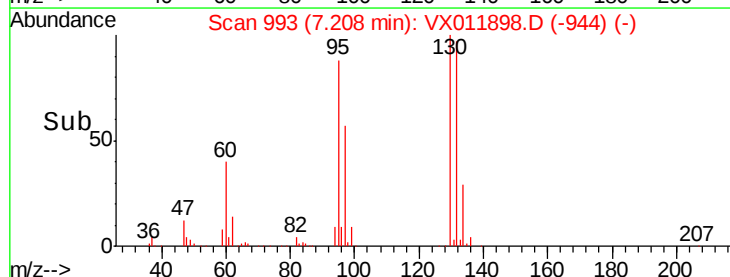
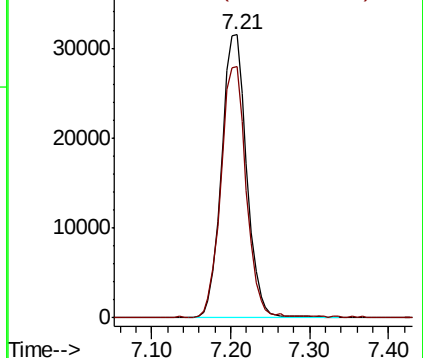
130 100

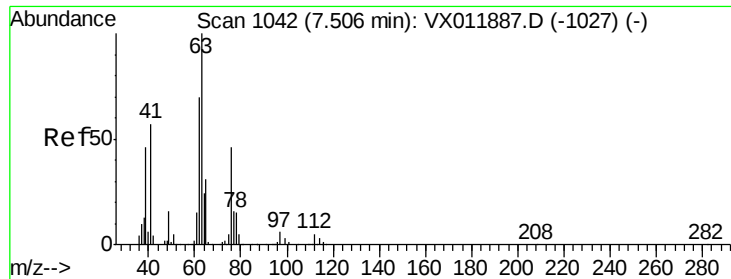
95 88.6 0.0 174.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

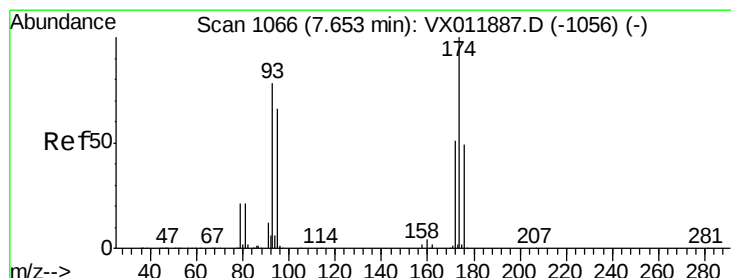
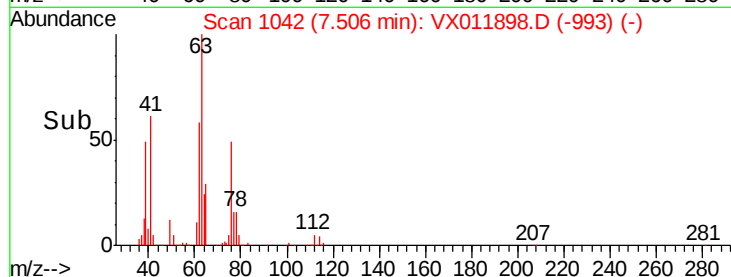
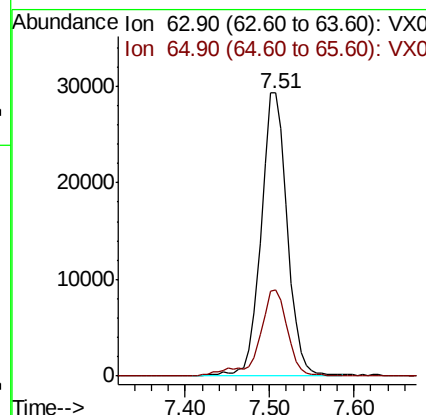
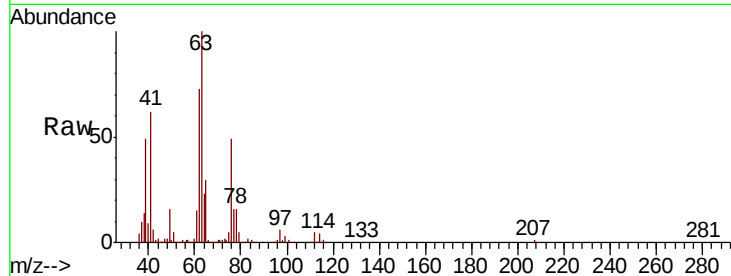




#45
 1,2-Dichloropropane
 Concen: 21.198 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

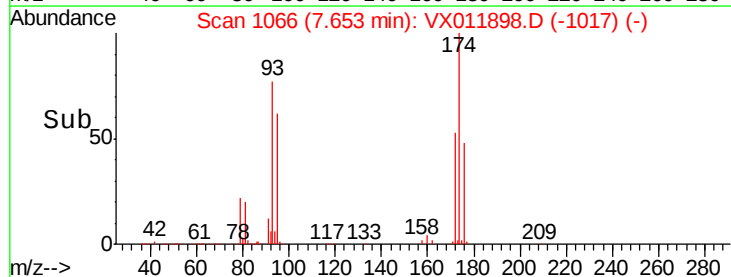
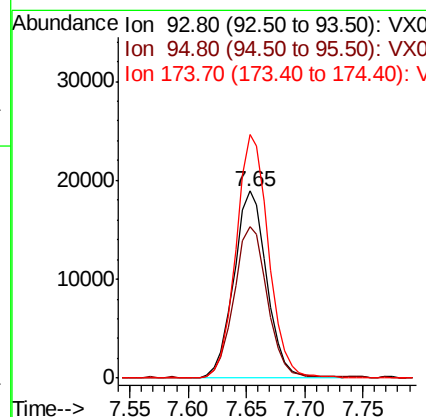
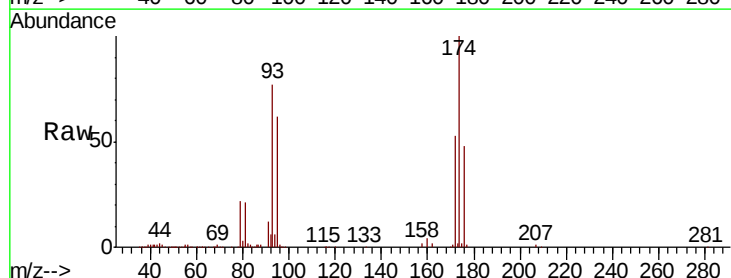
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

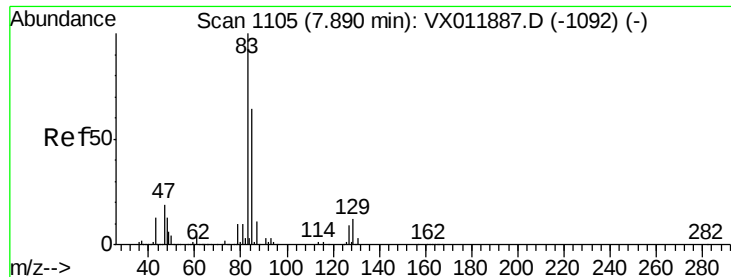
Tgt Ion: 63 Resp: 62556
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.1 37.7



#46
 Dibromomethane
 Concen: 21.321 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 93 Resp: 37340
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.7 98.5
 174 128.5 104.2 156.4





#47

Bromodichloromethane

Concen: 21.369 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

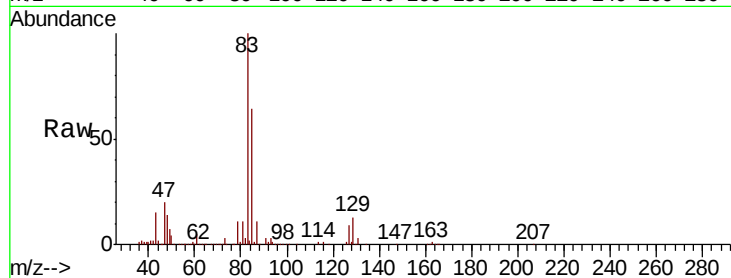
Tgt Ion: 83 Resp: 92802

Ion Ratio Lower Upper

83 100

85 63.7 51.1 76.7

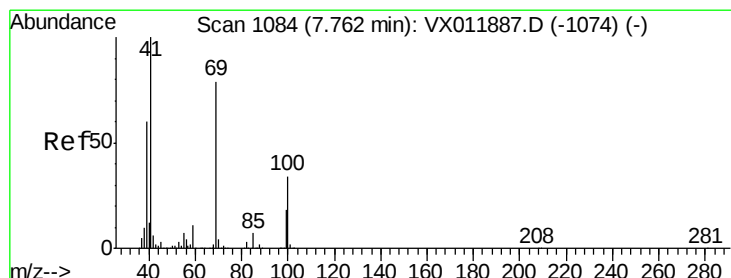
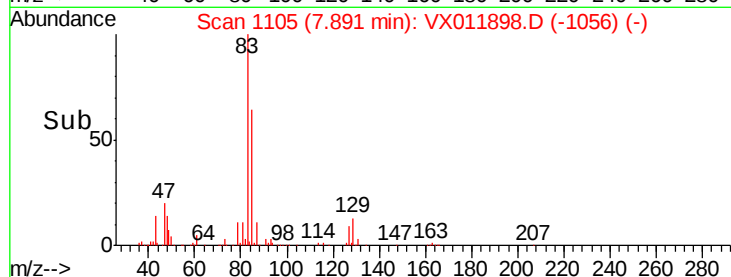
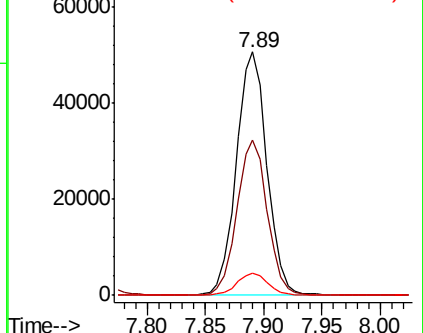
127 9.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.915 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

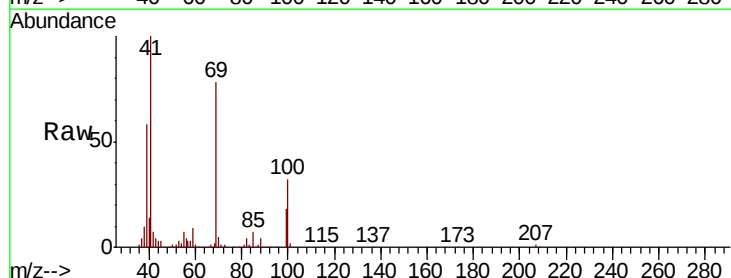
Tgt Ion: 41 Resp: 48365

Ion Ratio Lower Upper

41 100

69 79.9 64.4 96.6

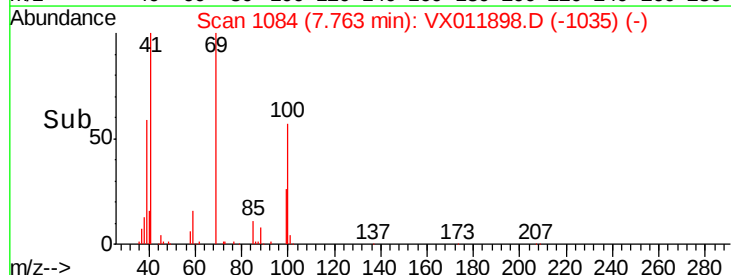
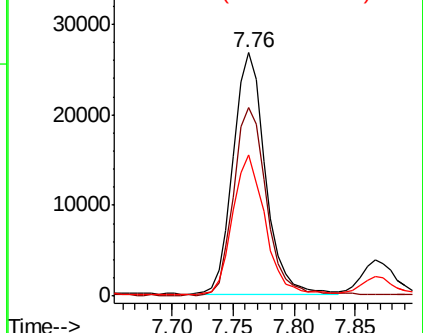
39 58.7 47.2 70.8

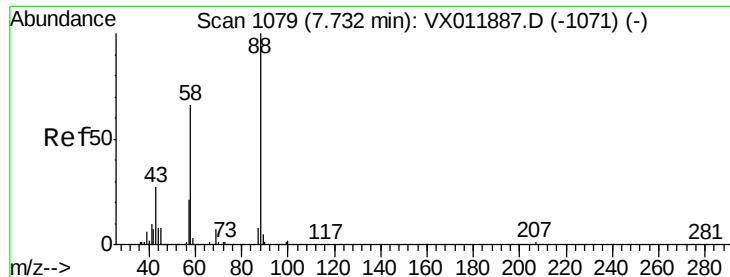


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

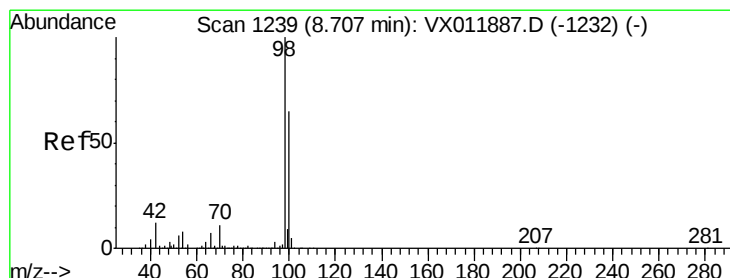
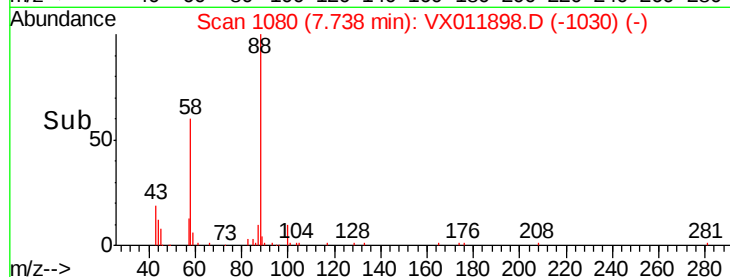
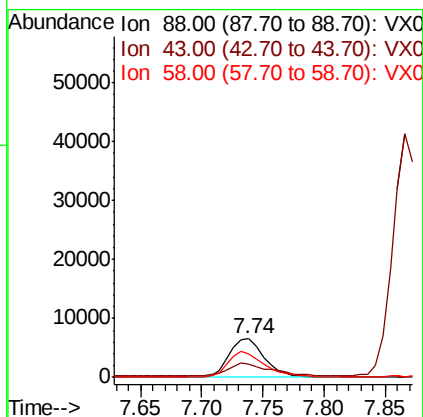
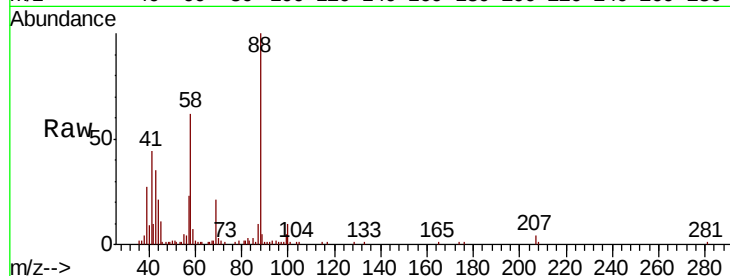




#49
1,4-Dioxane
Concen: 437.971 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

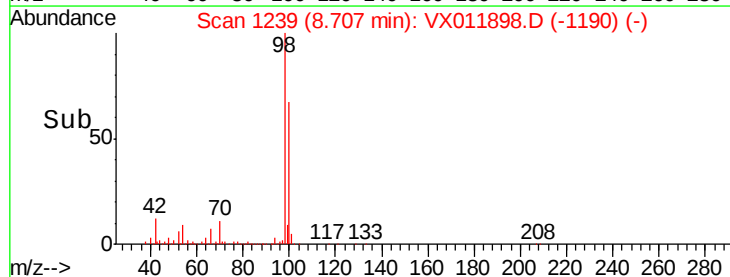
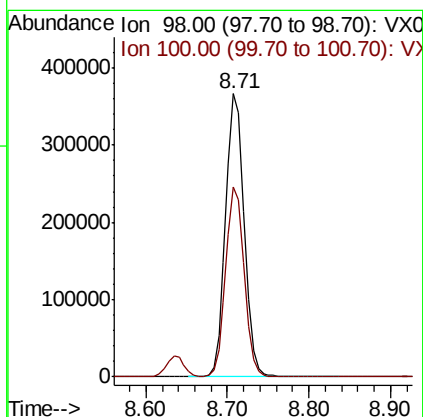
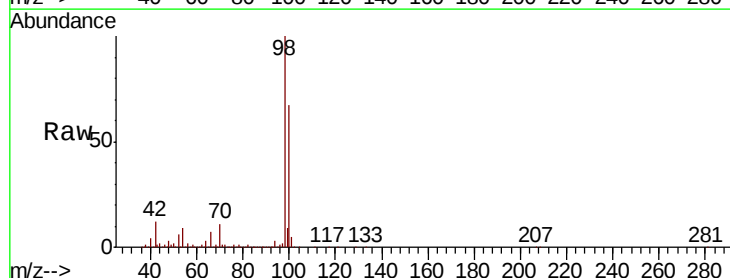
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

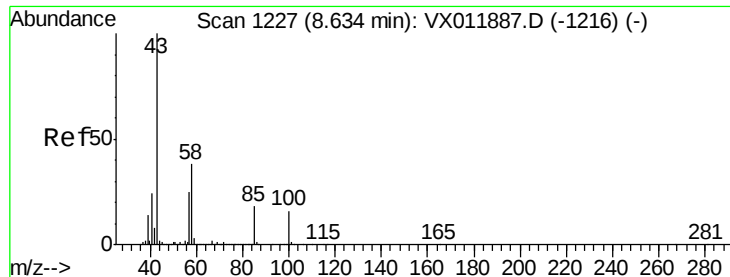
Tgt Ion: 88 Resp: 13292
Ion Ratio Lower Upper
88 100
43 41.0 27.3 40.9#
58 66.7 53.9 80.9



#50
Toluene-d8
Concen: 52.949 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion: 98 Resp: 579028
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.6

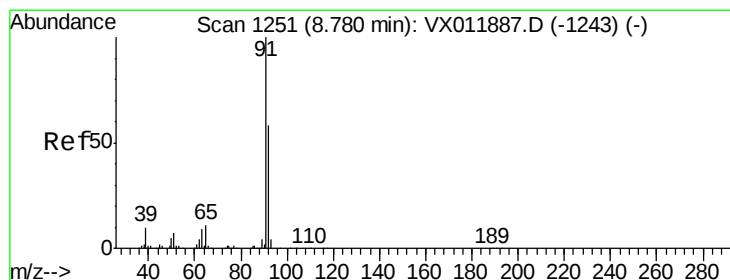
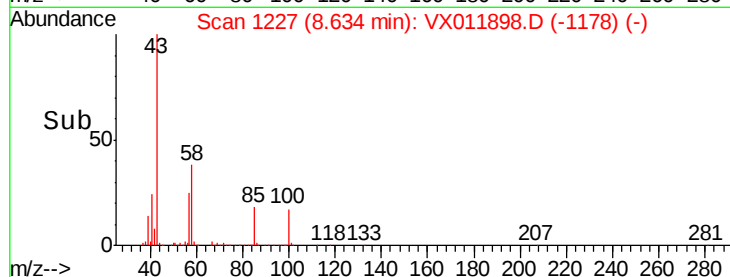
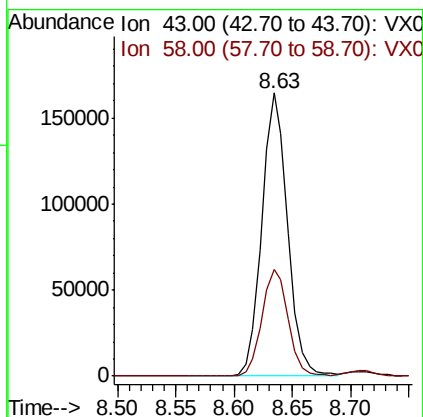
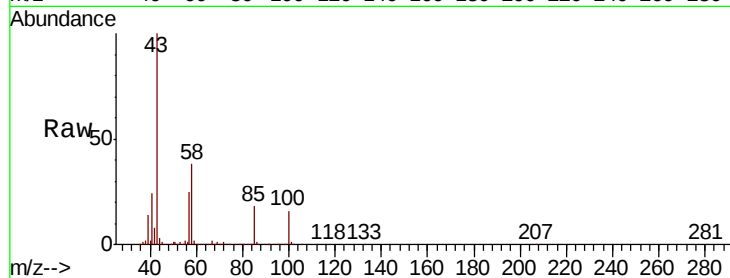




#51
 4-Methyl-2-Pentanone
 Concen: 109.342 ug/l
 RT: 8.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

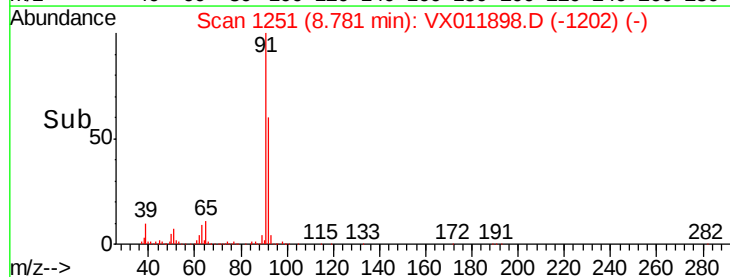
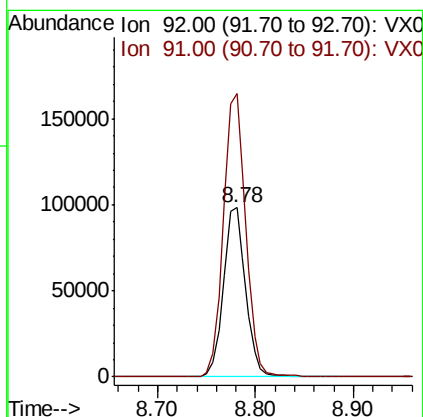
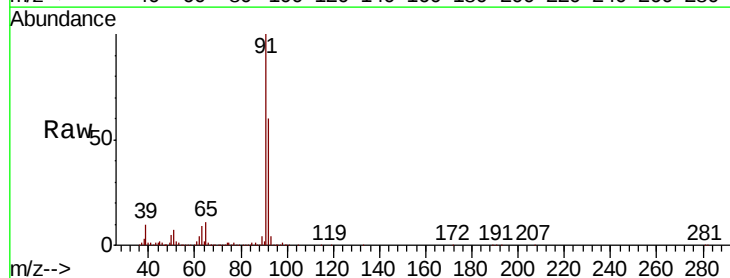
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

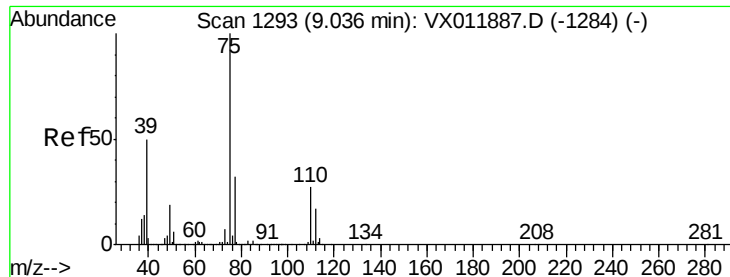
Tgt Ion: 43 Resp: 251953
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.9 46.3



#52
 Toluene
 Concen: 20.654 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 92 Resp: 154152
 Ion Ratio Lower Upper
 92 100
 91 169.1 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 20.514 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

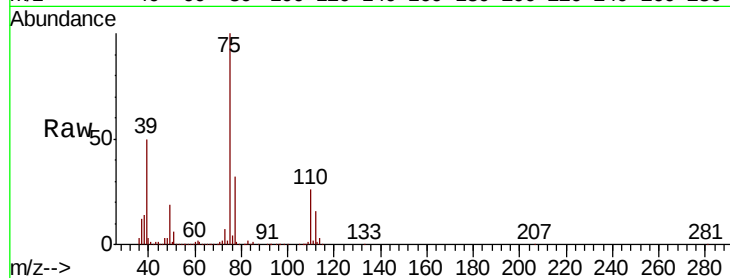
VX0829SBS01

Tgt Ion: 75 Resp: 91256

Ion Ratio Lower Upper

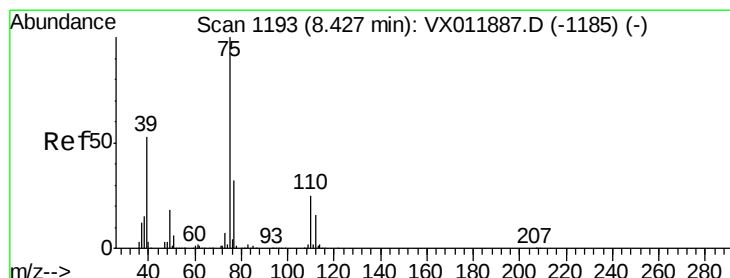
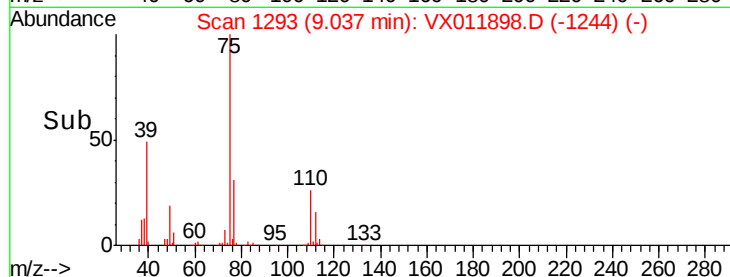
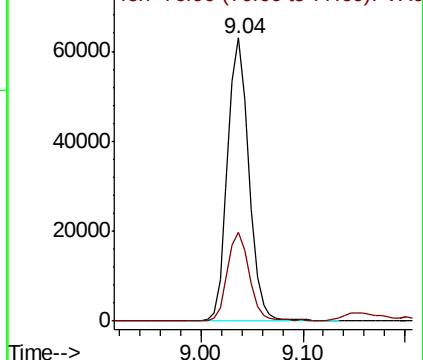
75 100

77 31.4 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.480 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

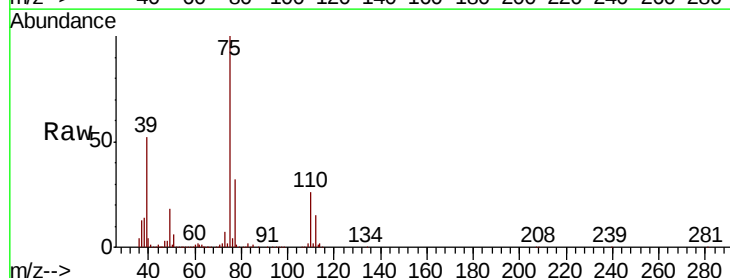
Tgt Ion: 75 Resp: 102269

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

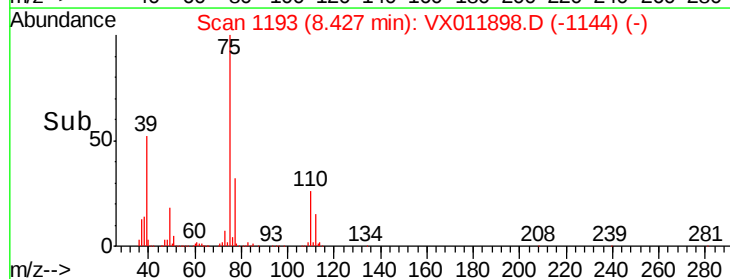
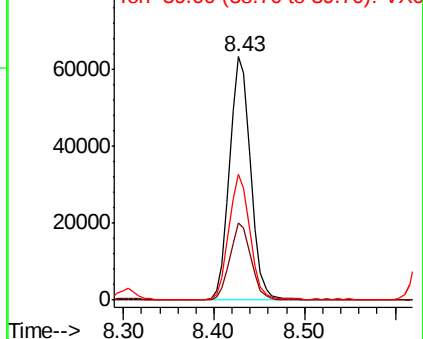
39 51.4 42.6 64.0

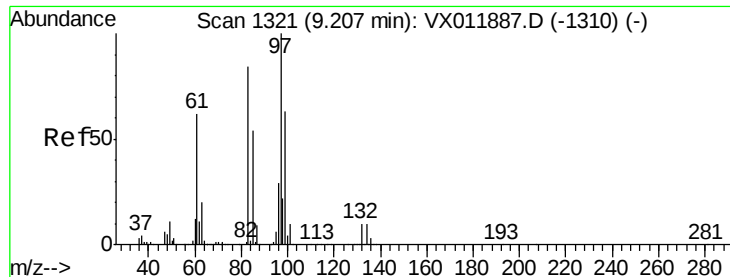


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

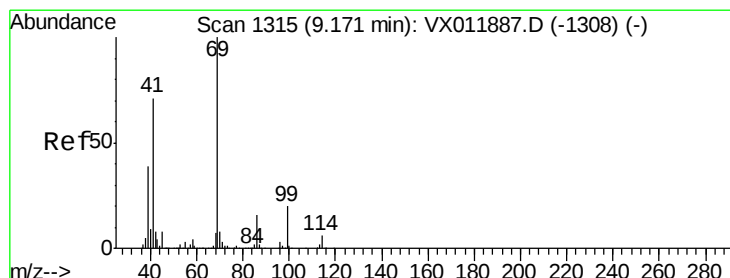
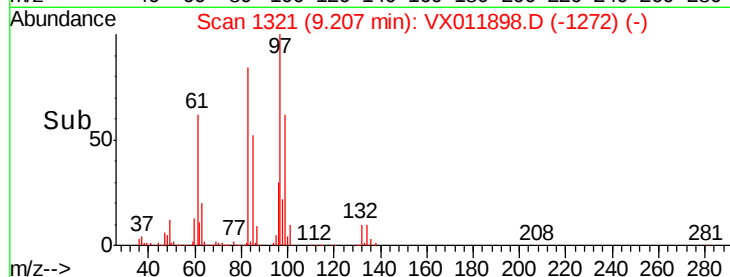
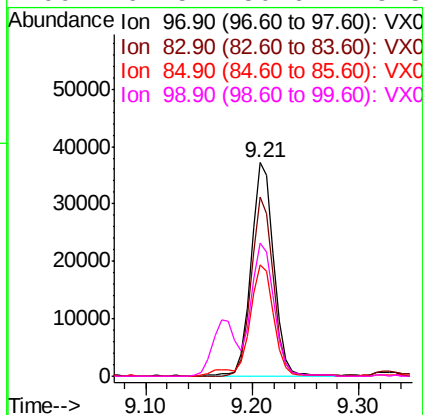
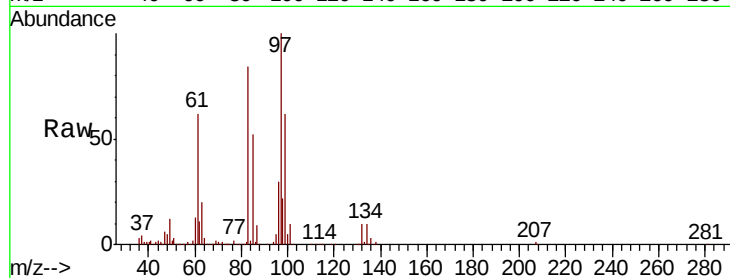




#55
 1,1,2-Trichloroethane
 Concen: 21.446 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

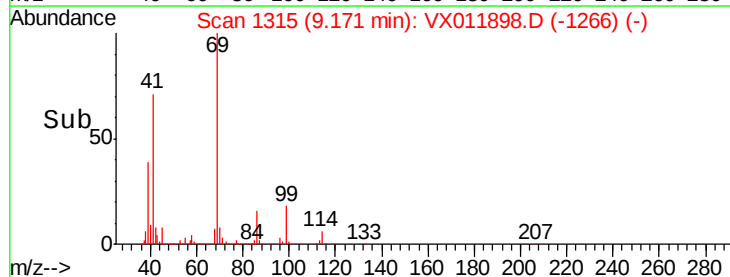
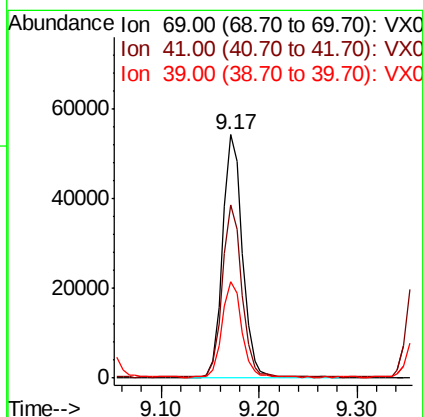
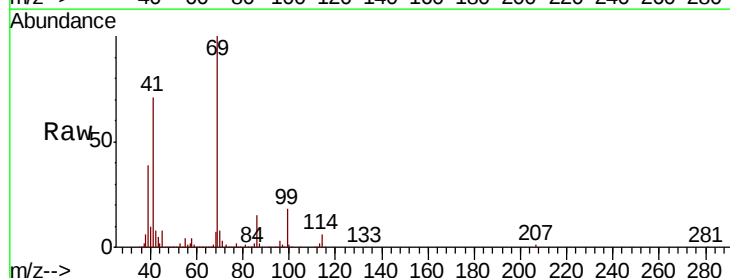
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBSD01

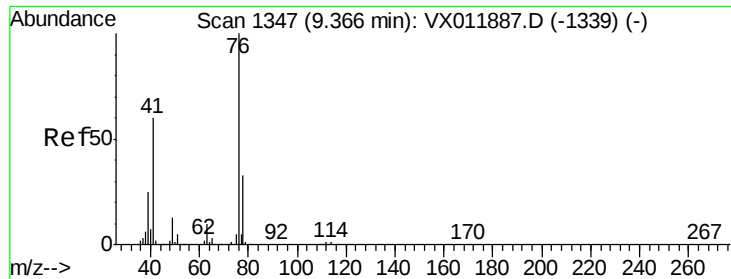
Tgt Ion:	97	Resp:	54987
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.8	100.2
85	52.4	43.5	65.3
99	62.5	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 21.391 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion:	69	Resp:	76118
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.8	83.8
39	39.0	31.1	46.7





#57

1,3-Dichloropropane

Concen: 21.641 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

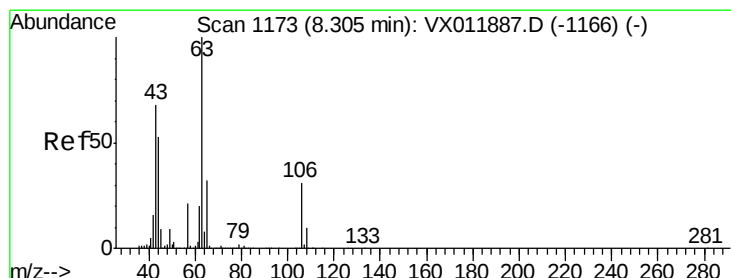
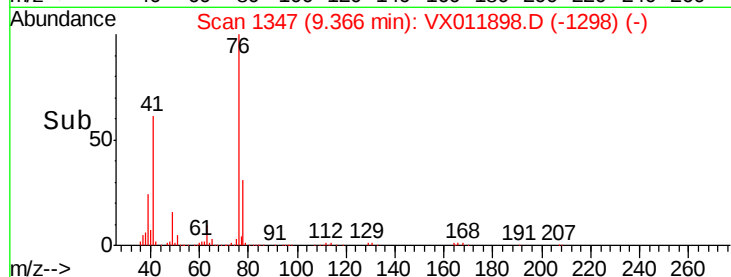
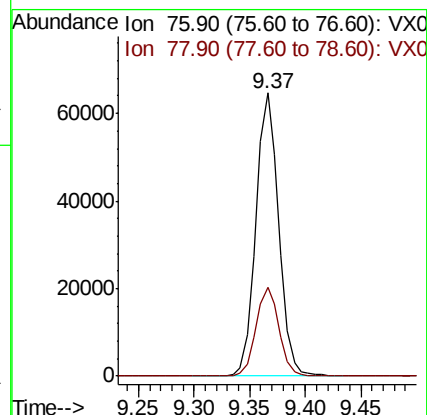
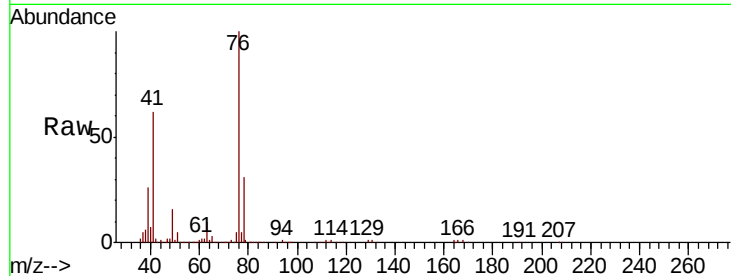
VX0829SBS01

Tgt Ion: 76 Resp: 92095

Ion Ratio Lower Upper

76 100

78 31.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 101.886 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011898.D

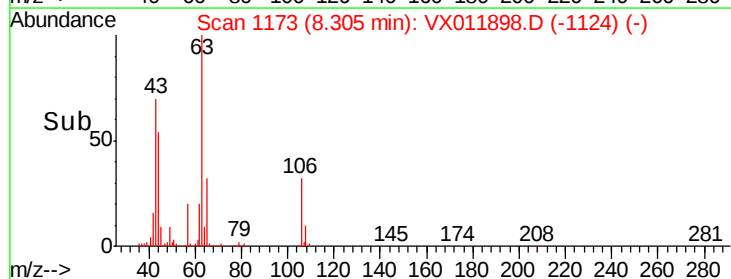
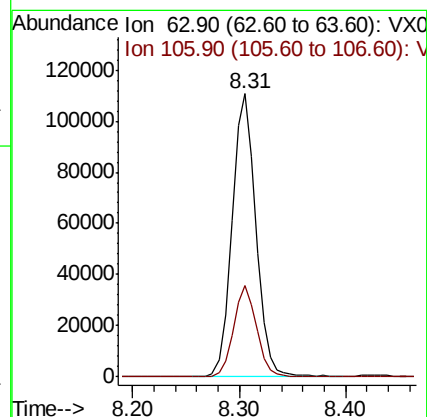
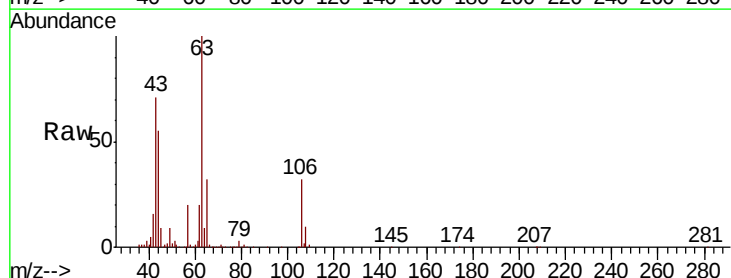
Acq: 30 Aug 2019 04:28

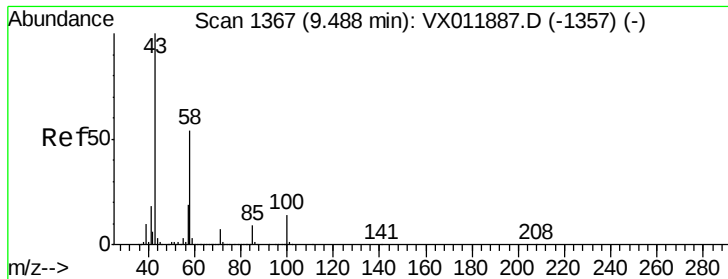
Tgt Ion: 63 Resp: 172683

Ion Ratio Lower Upper

63 100

106 31.6 24.8 37.2

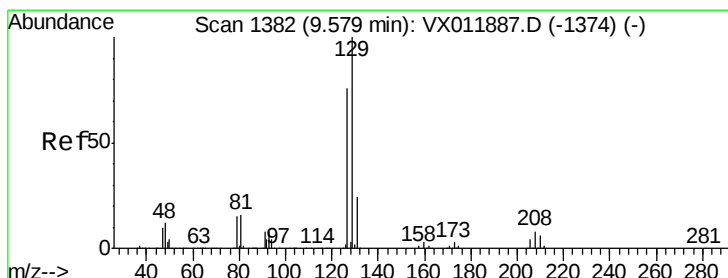
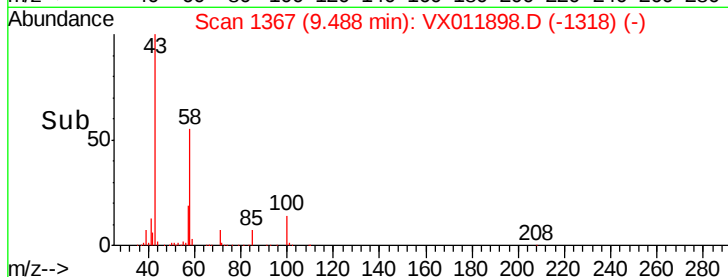
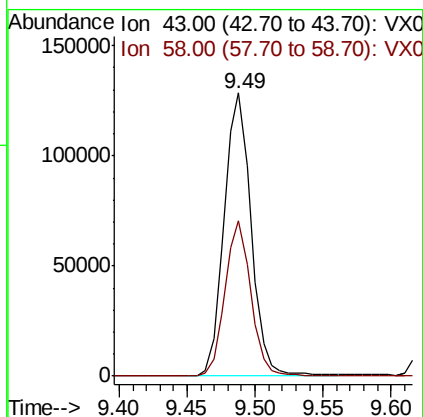
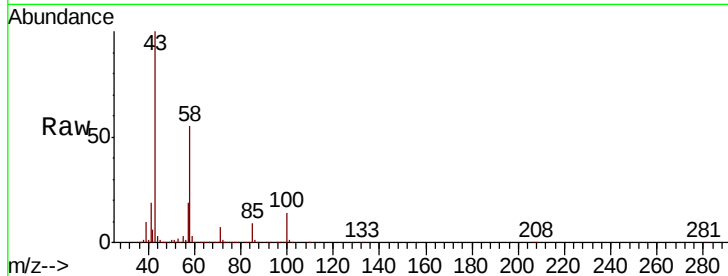




#59
2-Hexanone
Concen: 107.227 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

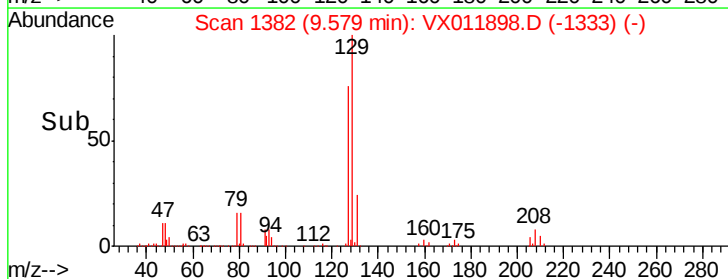
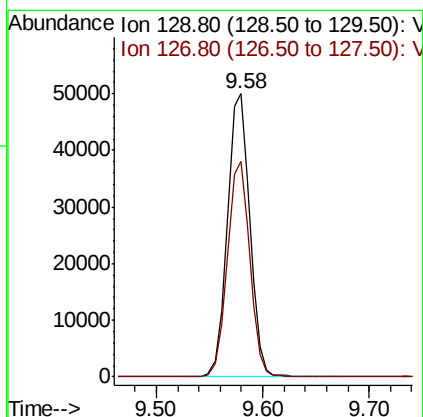
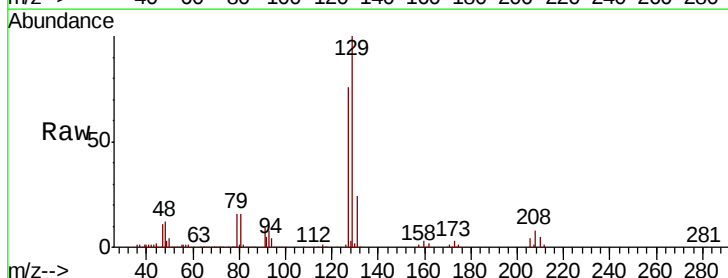
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

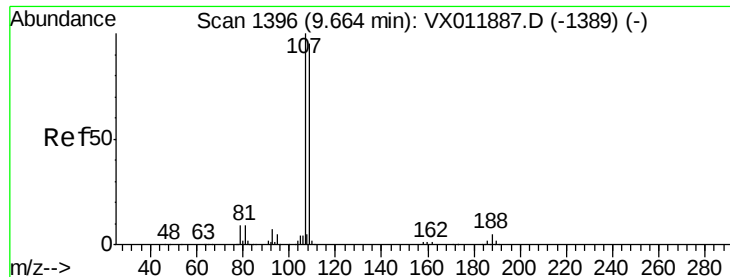
Tgt Ion: 43 Resp: 175511
Ion Ratio Lower Upper
43 100
58 53.4 26.8 80.4



#60
Dibromochloromethane
Concen: 21.515 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion: 129 Resp: 74088
Ion Ratio Lower Upper
129 100
127 76.2 38.6 115.7

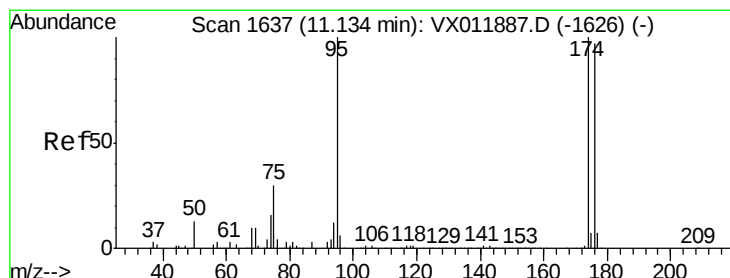
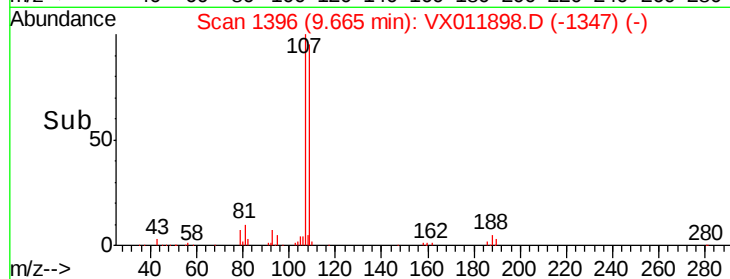
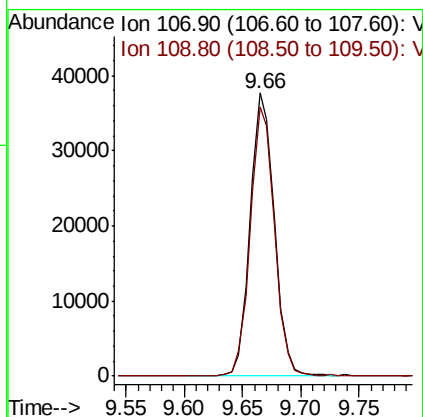
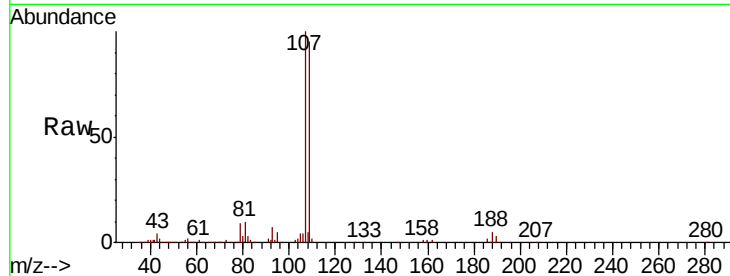




#61
 1,2-Dibromoethane
 Concen: 21.559 ug/l
 RT: 9.66 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

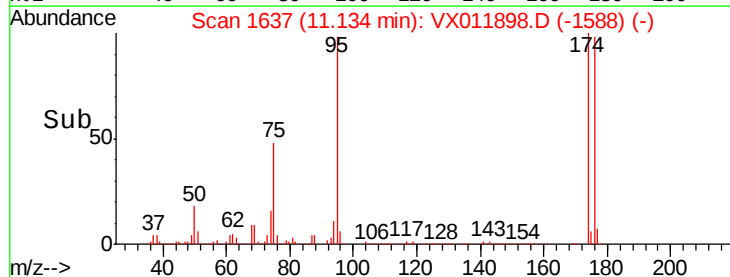
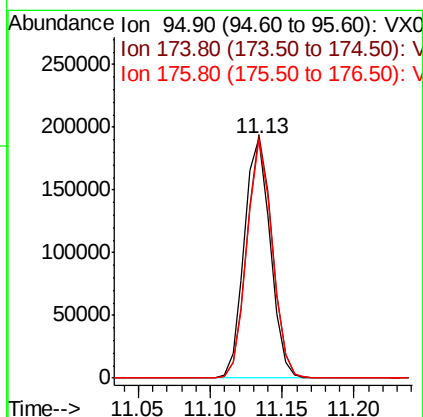
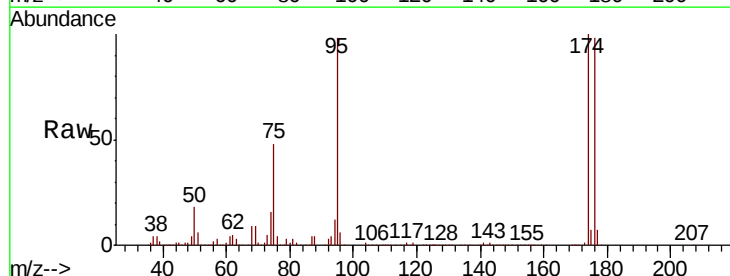
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBSD01

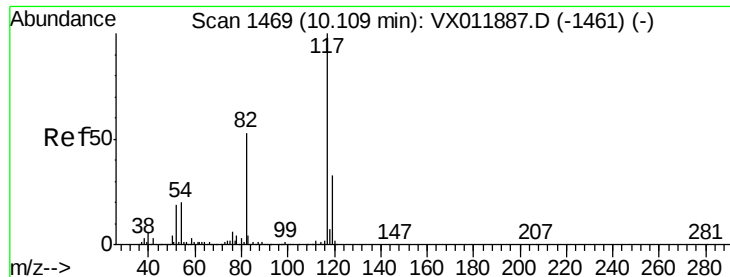
Tgt Ion: 107 Resp: 54803
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 50.087 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 95 Resp: 240267
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 196.0
 176 95.6 0.0 191.4

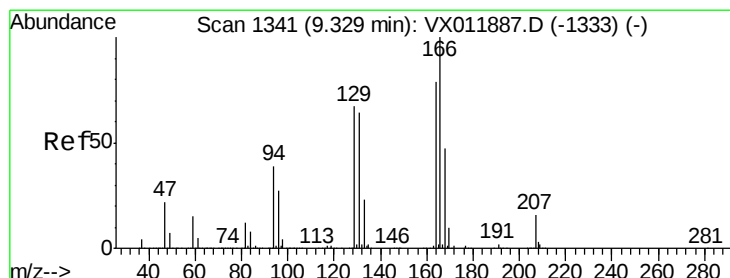
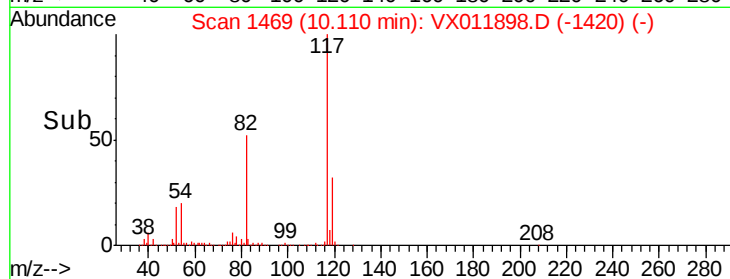
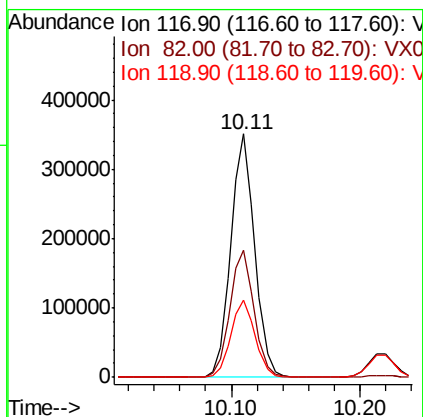
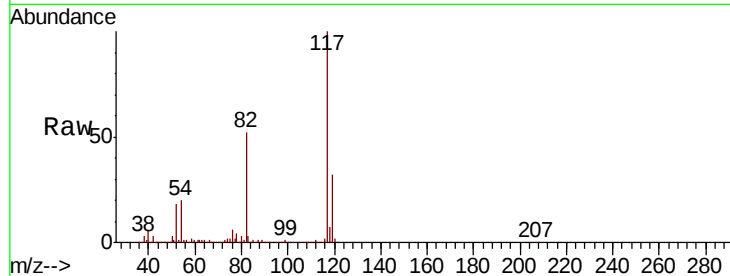




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

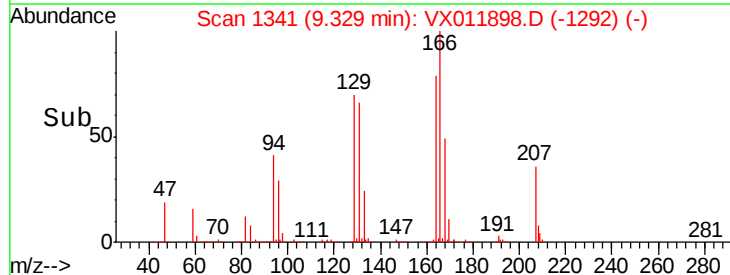
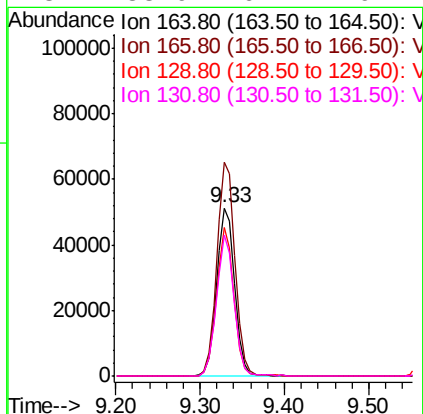
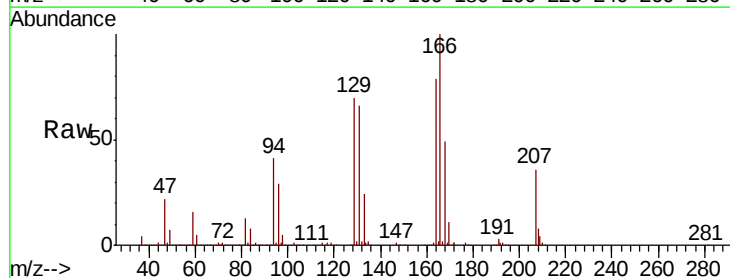
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

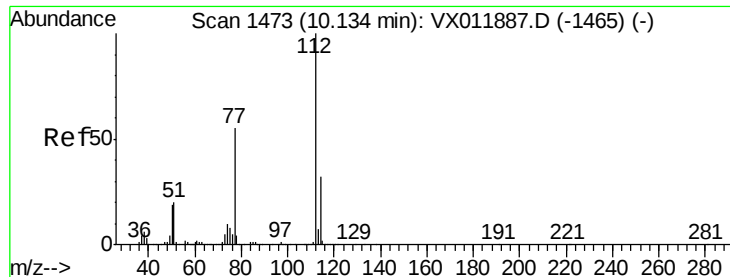
Tgt Ion:117 Resp: 455202
Ion Ratio Lower Upper
117 100
82 52.2 42.0 63.0
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 20.742 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion:164 Resp: 75949
Ion Ratio Lower Upper
164 100
166 127.2 101.4 152.0
129 88.8 68.0 102.0
131 83.9 64.7 97.1

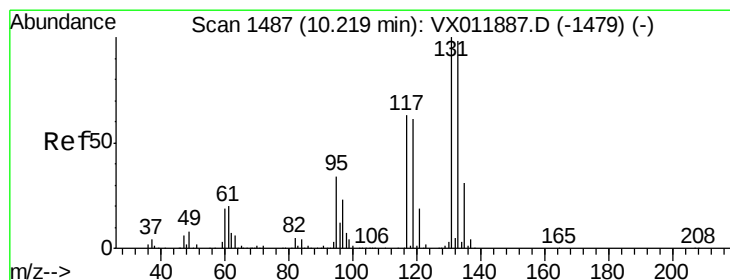
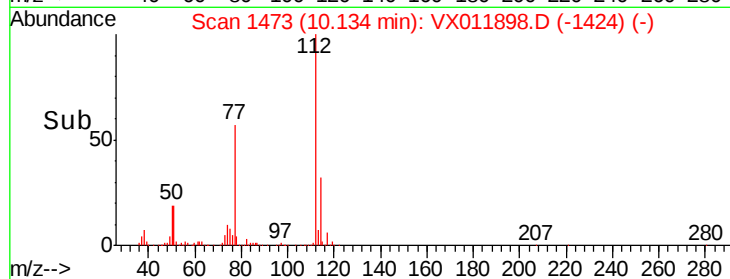
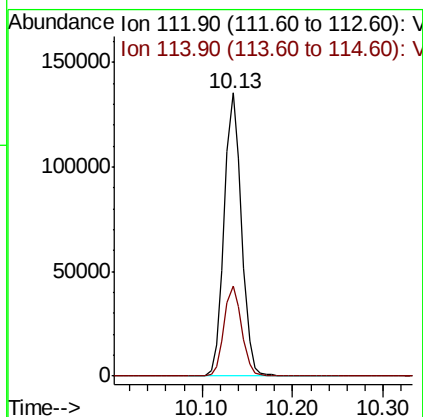
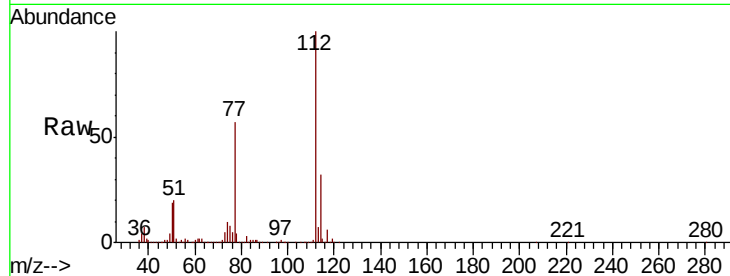




#65
Chlorobenzene
Concen: 20.463 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

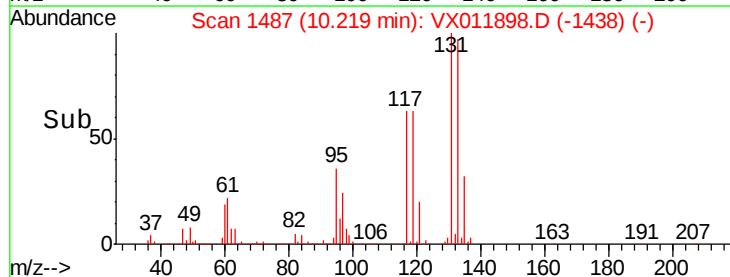
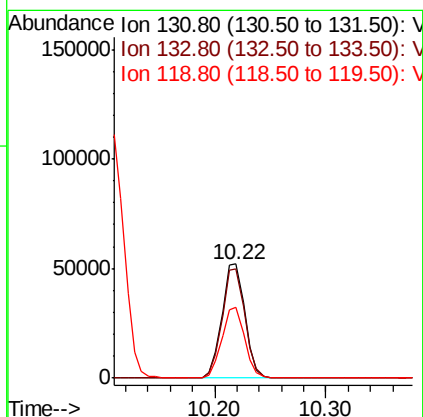
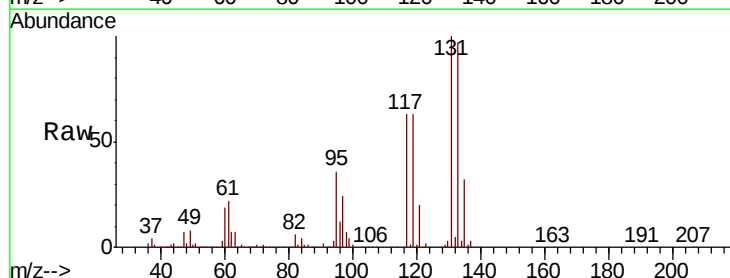
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

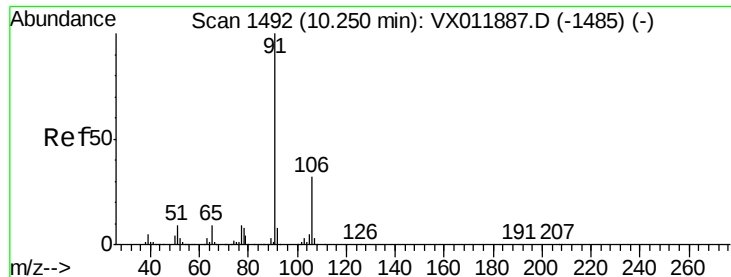
Tgt Ion:112 Resp: 180509
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.911 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion:131 Resp: 74594
Ion Ratio Lower Upper
131 100
133 95.6 48.4 145.0
119 62.2 30.6 92.0

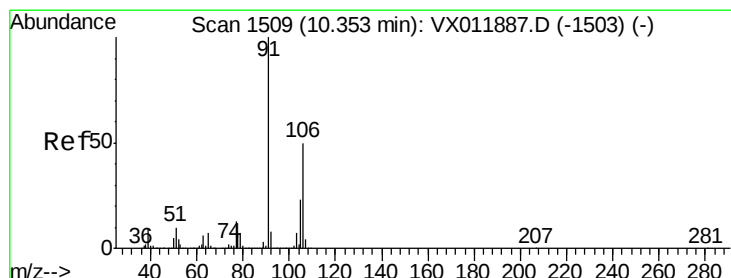
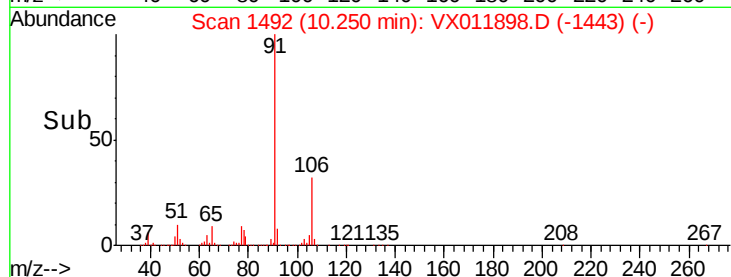
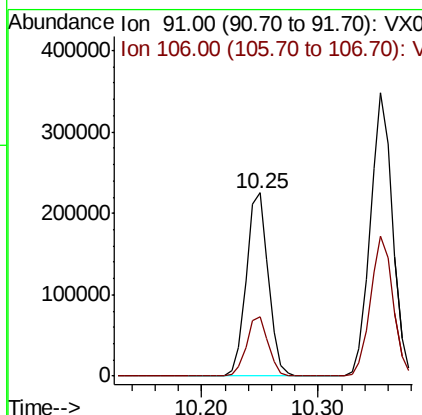
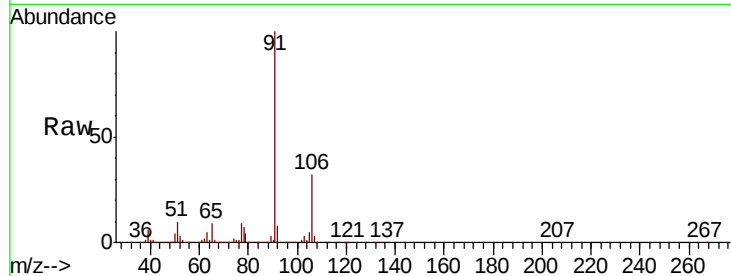




#67
Ethyl Benzene
Concen: 19.916 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

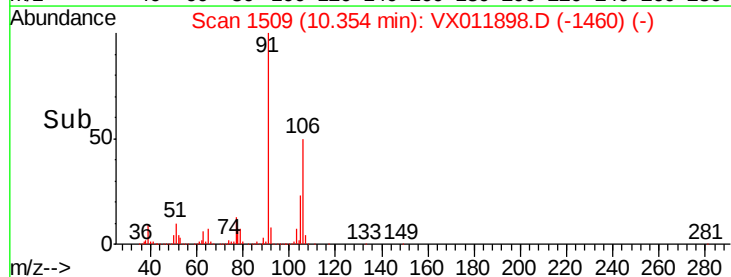
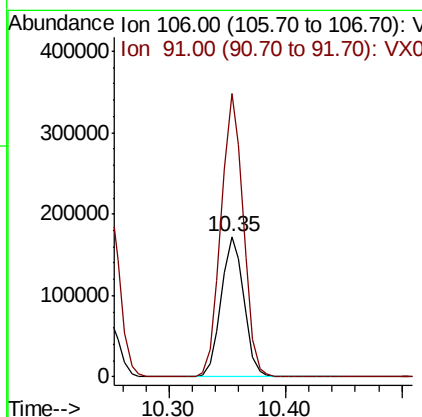
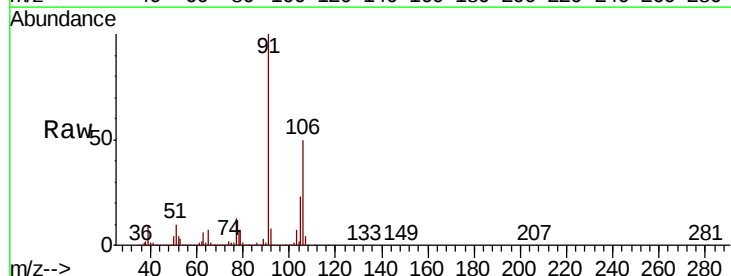
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

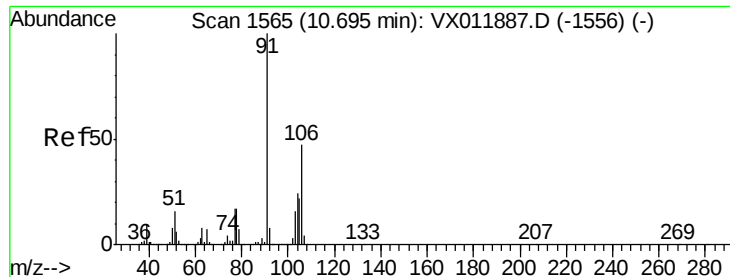
Tgt Ion: 91 Resp: 298839
Ion Ratio Lower Upper
91 100
106 32.1 25.8 38.8



#68
m/p-Xylenes
Concen: 39.770 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion: 106 Resp: 230426
Ion Ratio Lower Upper
106 100
91 199.7 158.6 237.8

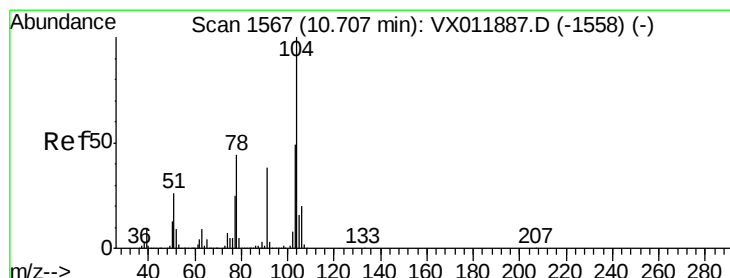
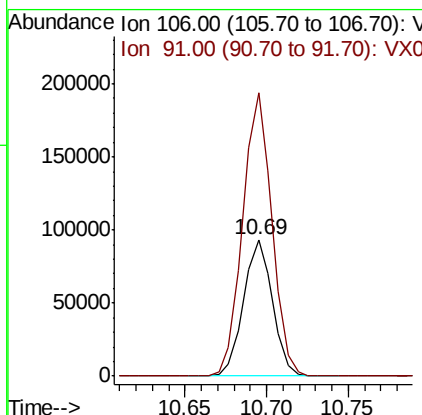
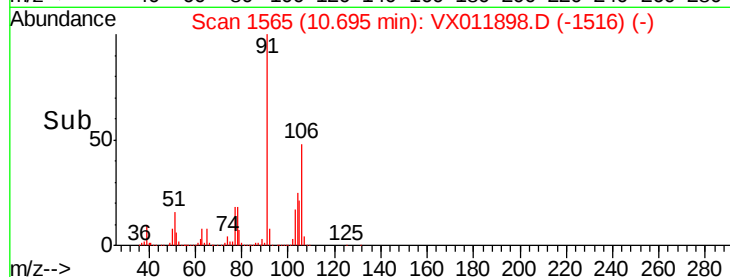
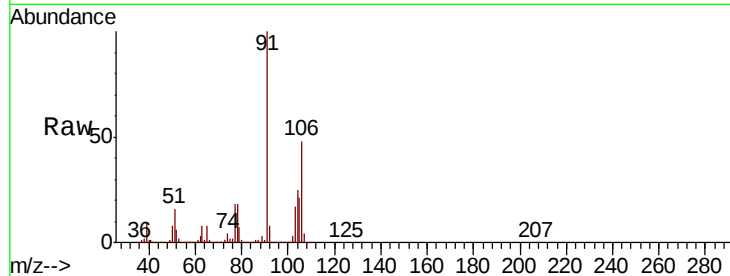




#69
o-Xylene
Concen: 20.479 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

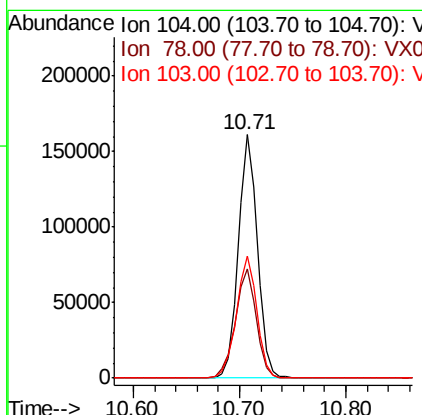
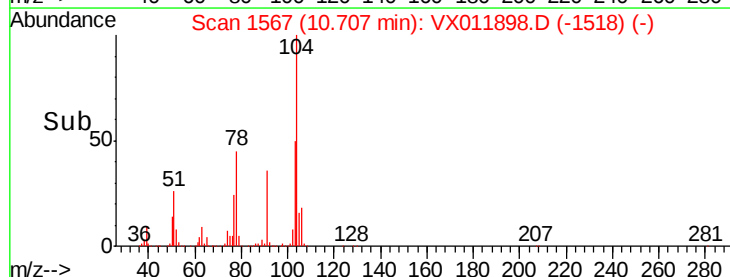
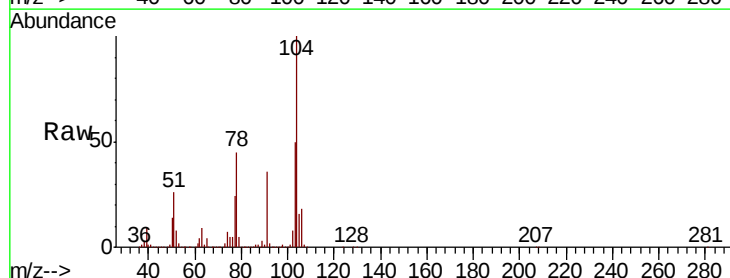
Instrument :
MSVOA_X
ClientSampleId :
VX0829SBSD01

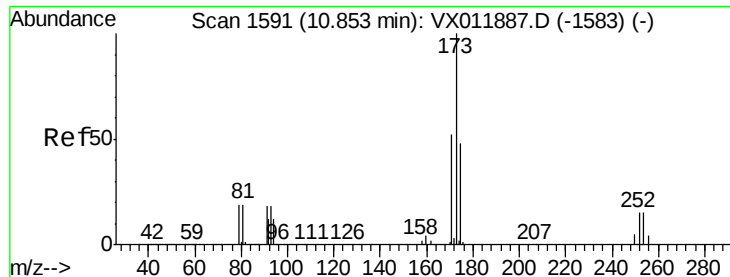
Tgt Ion:106 Resp: 115624
Ion Ratio Lower Upper
106 100
91 208.9 104.8 314.6



#70
Styrene
Concen: 20.530 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion:104 Resp: 204310
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 54.1 43.0 64.6

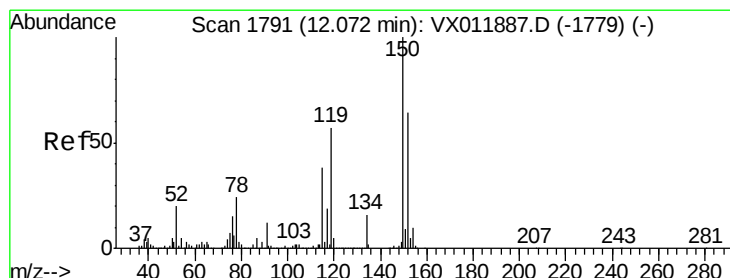
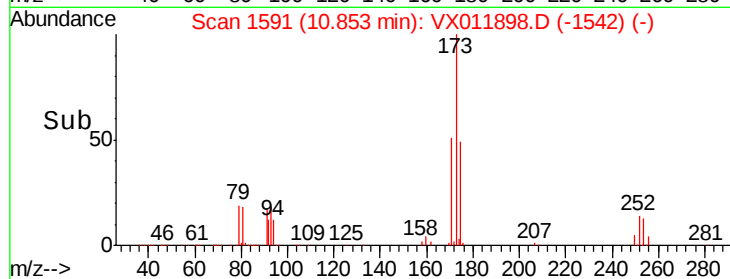
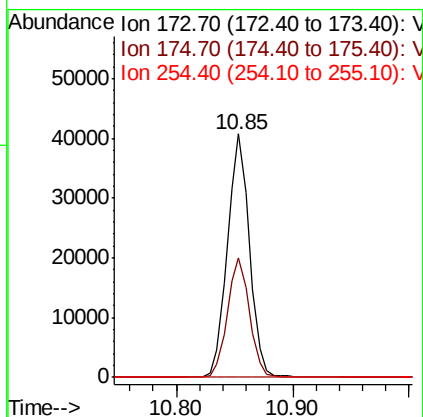
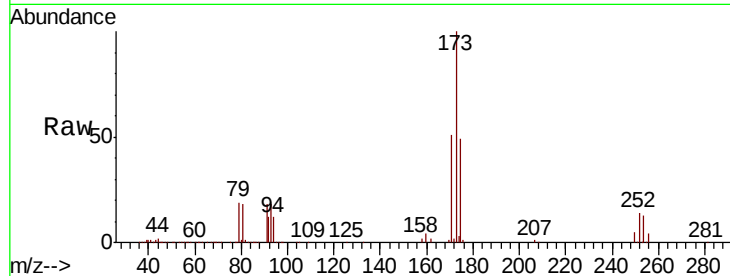




#71
 Bromoform
 Concen: 21.193 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

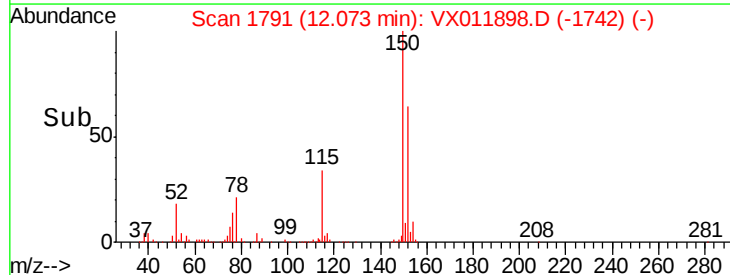
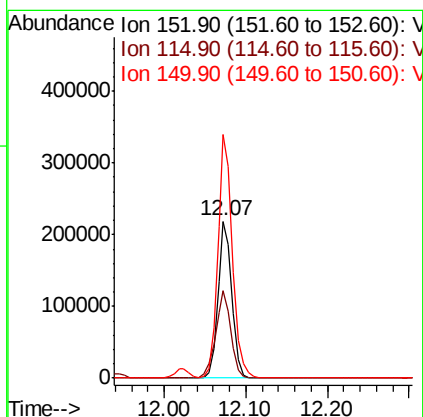
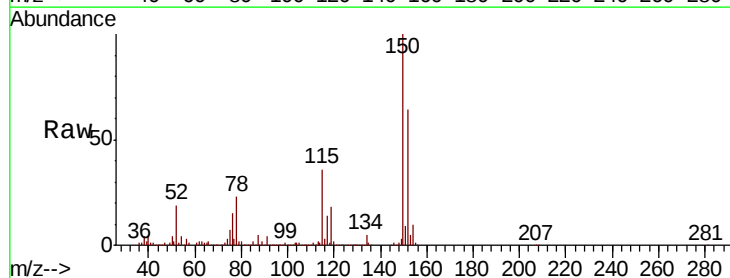
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

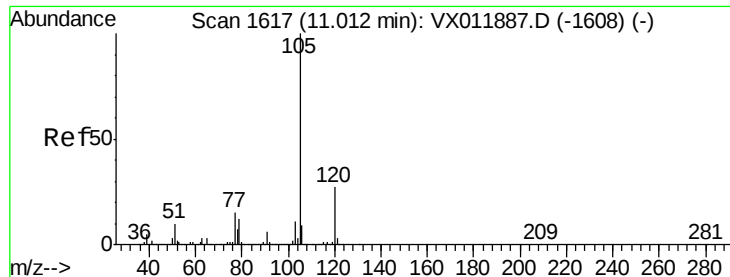
Tgt Ion:173 Resp: 53455
 Ion Ratio Lower Upper
 173 100
 175 49.0 24.4 73.2
 254 0.1 0.1 0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion:152 Resp: 261814
 Ion Ratio Lower Upper
 152 100
 115 61.3 37.1 111.3
 150 162.2 0.0 339.6





#73

Isopropylbenzene

Concen: 19.766 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

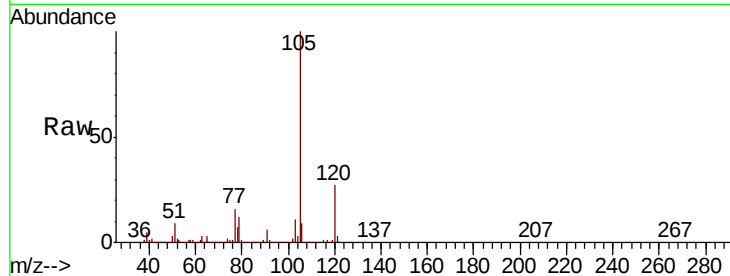
VX0829SBS01

Tgt Ion: 105 Resp: 297344

Ion Ratio Lower Upper

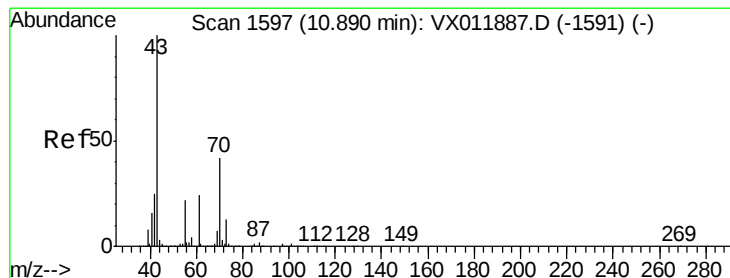
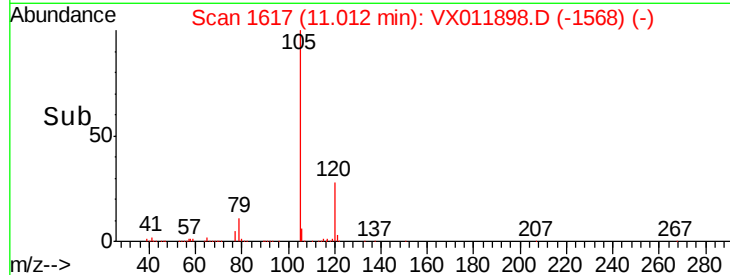
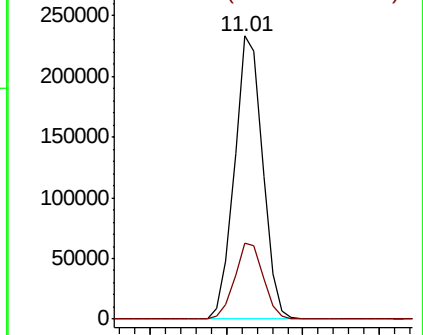
105 100

120 27.3 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: 20.933 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Tgt Ion: 43 Resp: 93452

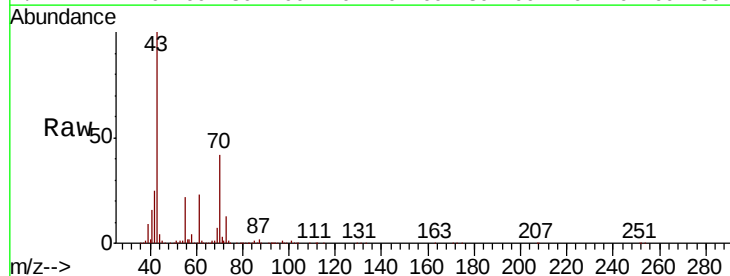
Ion Ratio Lower Upper

43 100

70 43.2 0.2 0.2#

55 23.4 0.1 0.1#

61 24.2 16.4 24.6

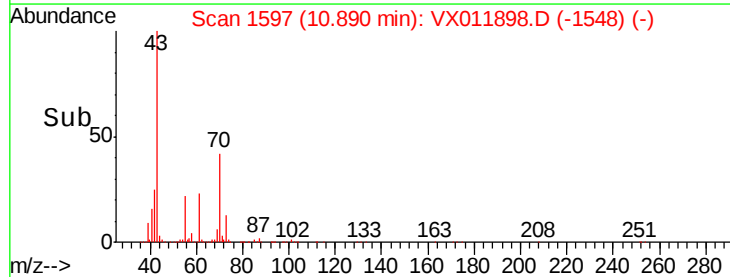
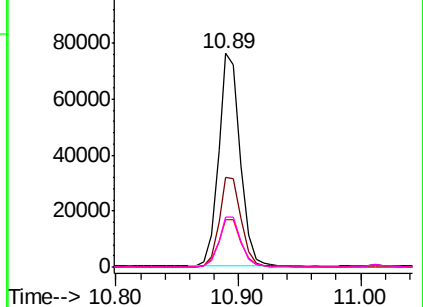


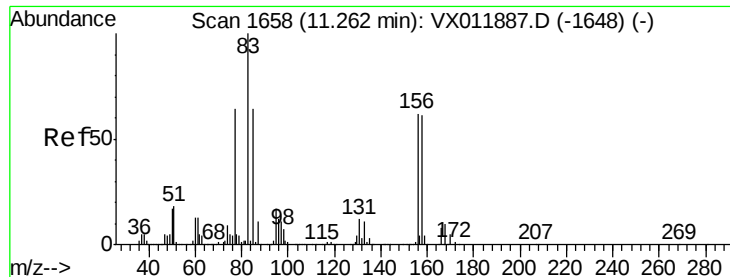
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.257 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

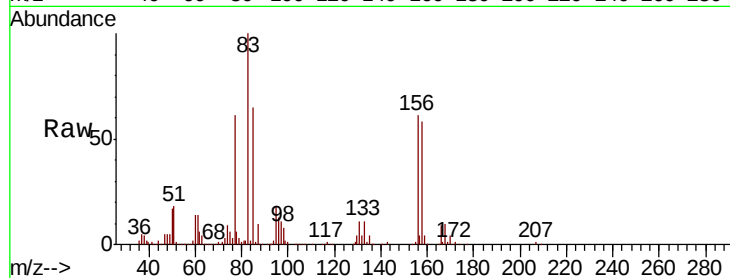
Tgt Ion: 83 Resp: 65444

Ion Ratio Lower Upper

83 100

131 11.7 6.0 18.0

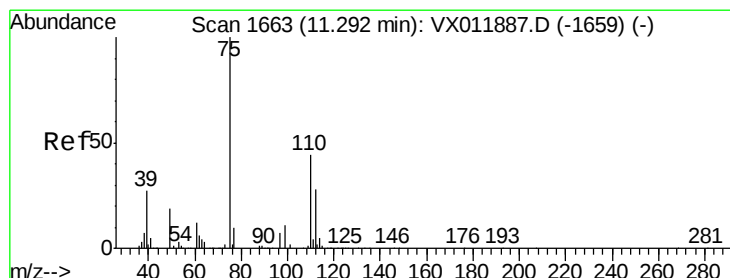
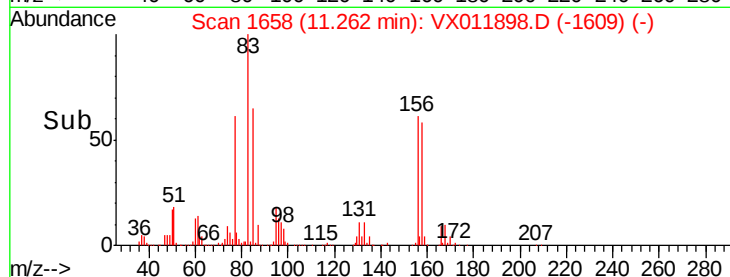
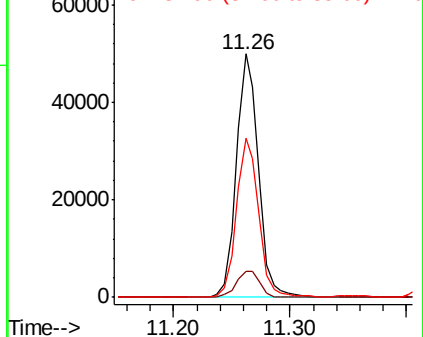
85 66.3 31.9 95.9



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: 27.072 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011898.D

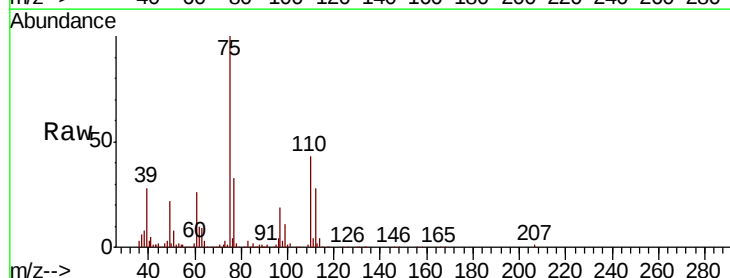
Acq: 30 Aug 2019 04:28

Tgt Ion: 75 Resp: 69724

Ion Ratio Lower Upper

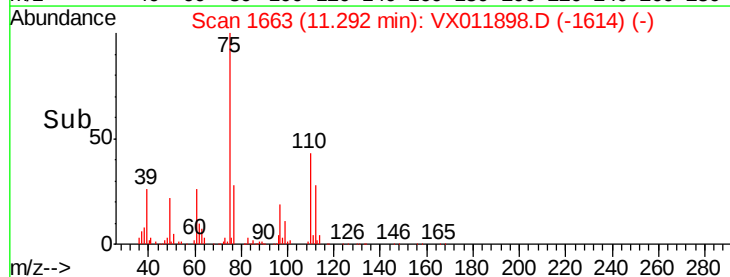
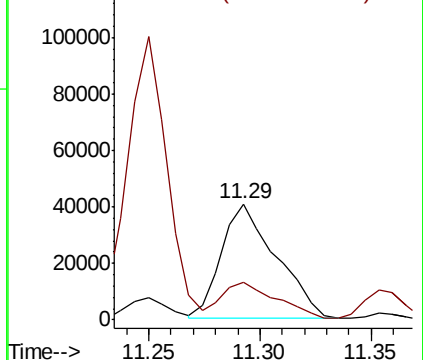
75 100

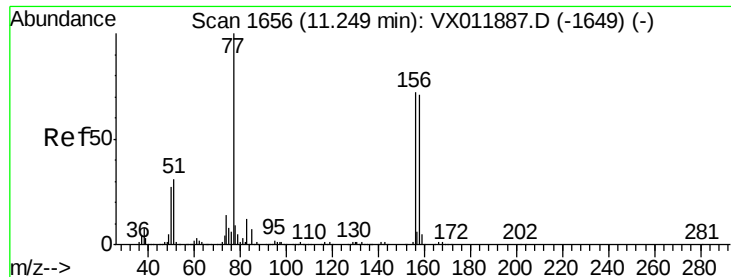
77 33.4 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.084 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBSD01

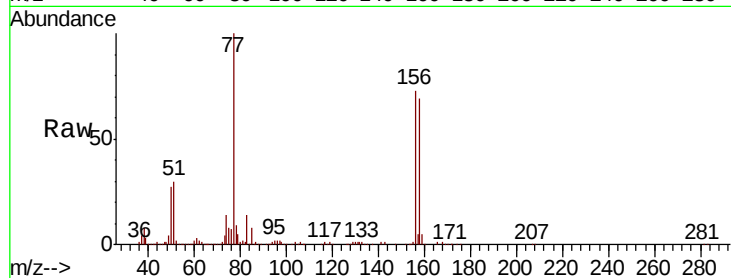
Tgt Ion:156 Resp: 91986

Ion Ratio Lower Upper

156 100

77 134.7 68.1 204.3

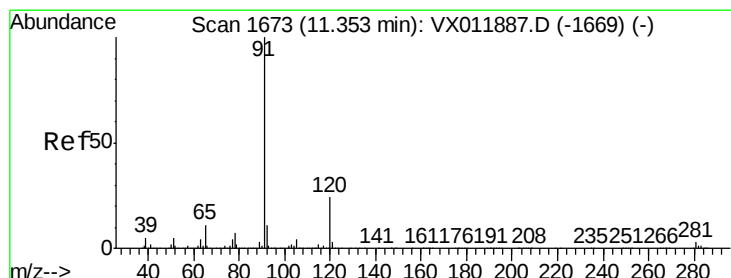
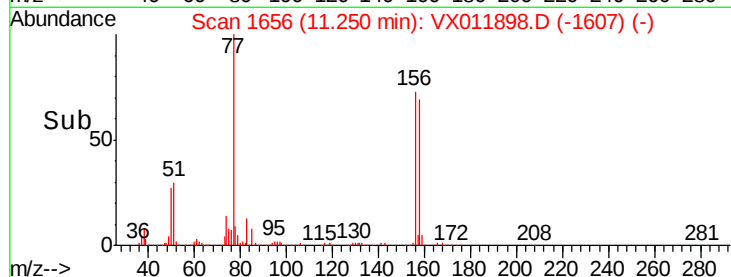
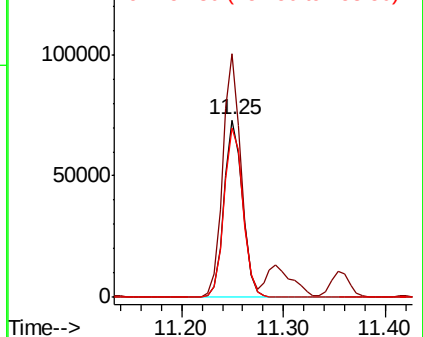
158 97.8 48.9 146.8



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: 19.648 ug/l

RT: 11.35 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VX011898.D

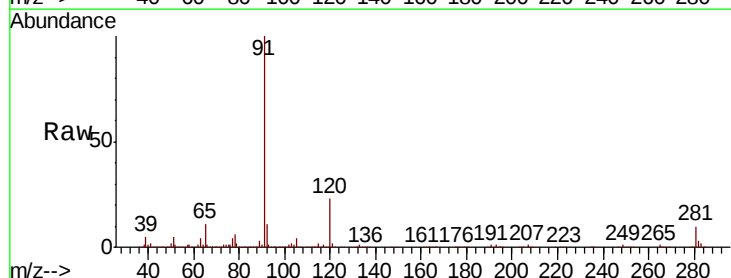
Acq: 30 Aug 2019 04:28

Tgt Ion: 91 Resp: 335168

Ion Ratio Lower Upper

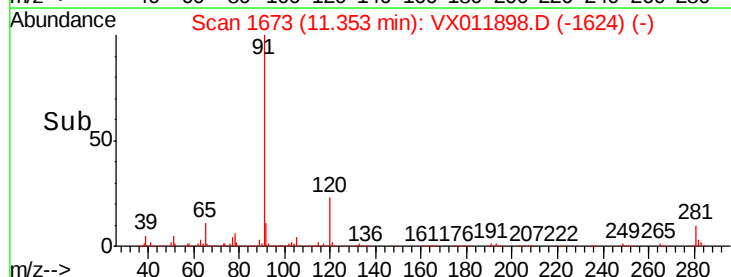
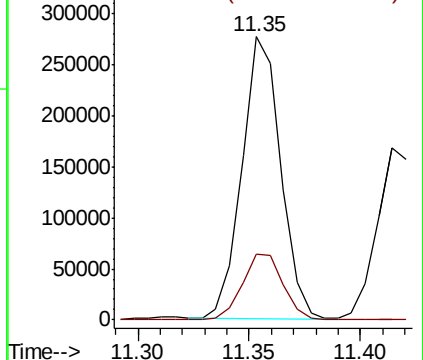
91 100

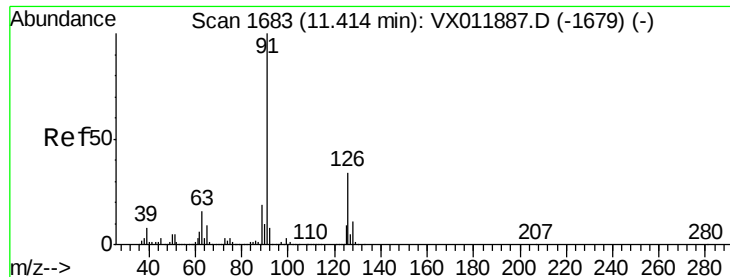
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

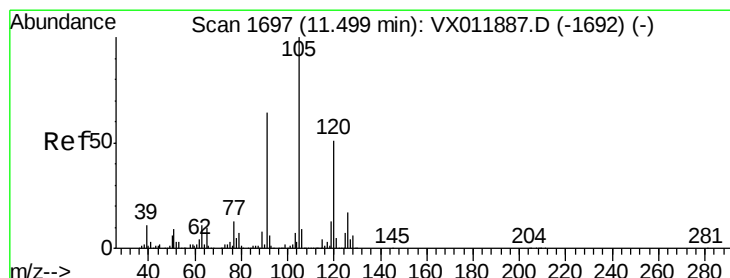
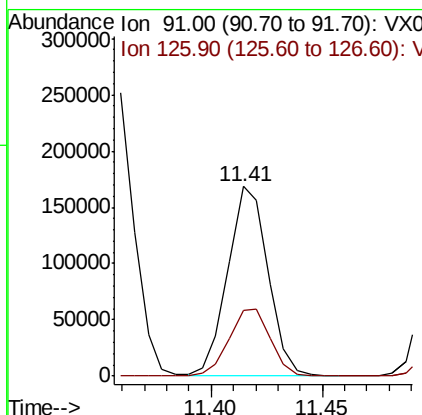
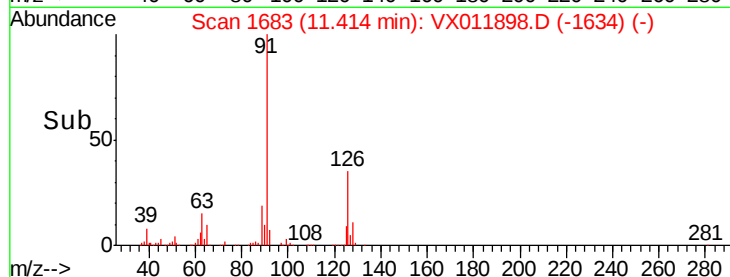
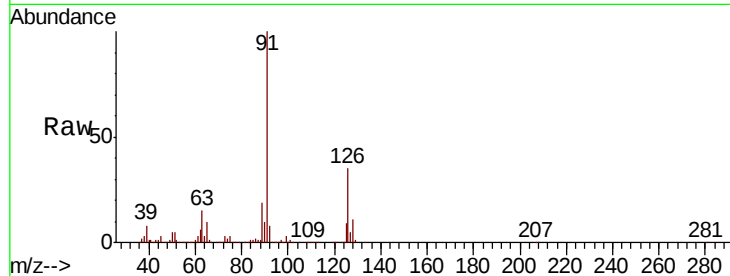




#79
 2-Chlorotoluene
 Concen: 20.541 ug/l
 RT: 11.41 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

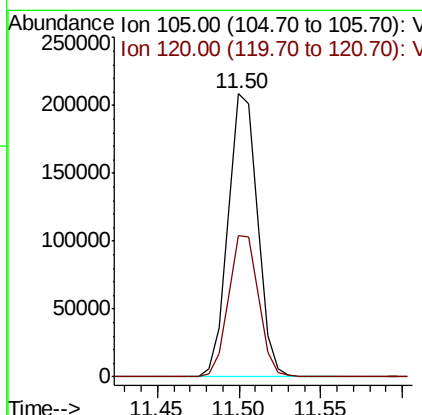
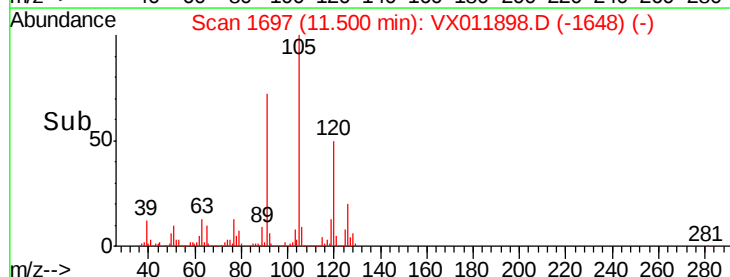
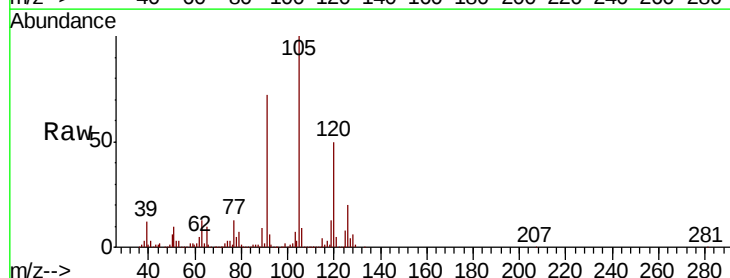
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

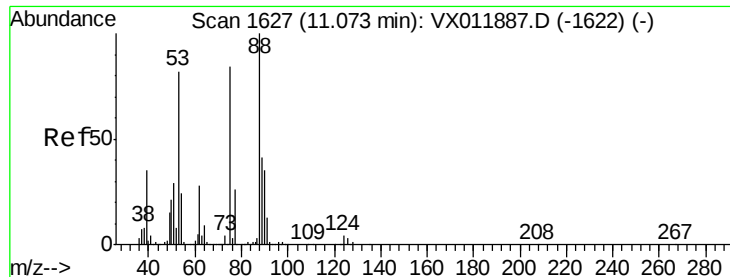
Tgt Ion: 91 Resp: 210912
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.120 ug/l
 RT: 11.50 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 105 Resp: 261254
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.329 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

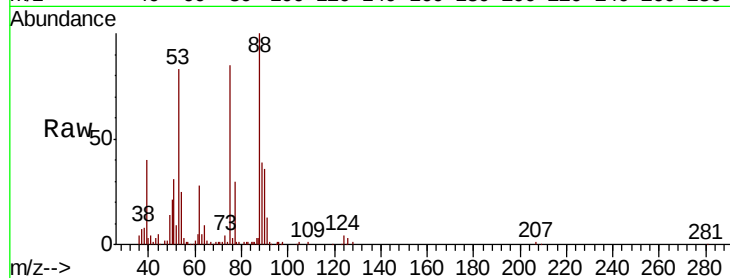
Tgt Ion: 75 Resp: 19816

Ion Ratio Lower Upper

75 100

53 96.7 77.1 115.7

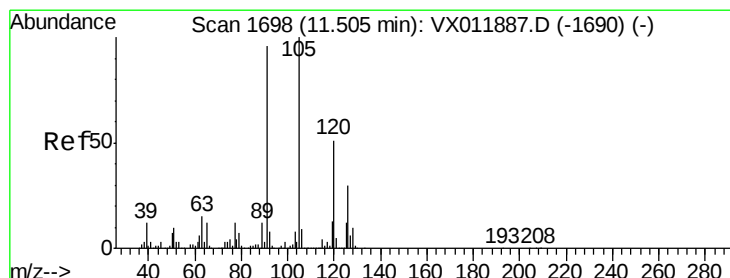
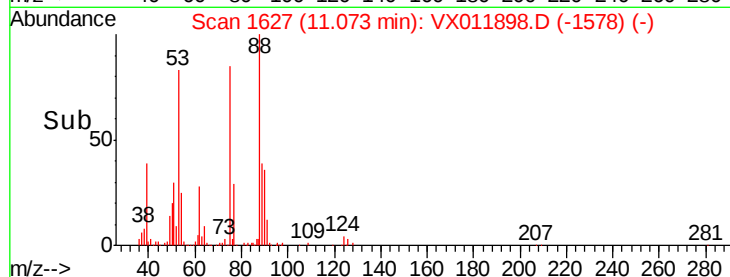
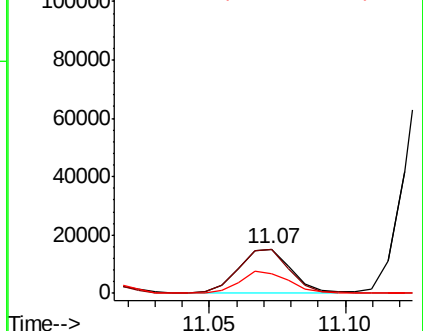
89 49.1 38.2 57.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.459 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011898.D

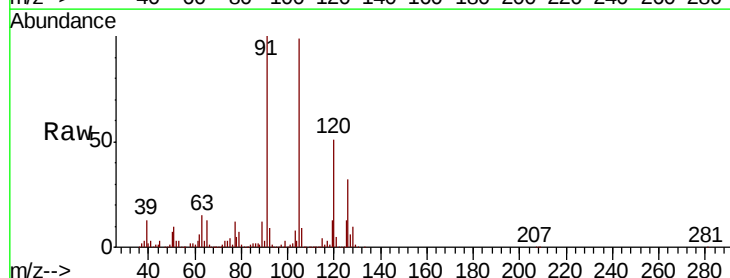
Acq: 30 Aug 2019 04:28

Tgt Ion: 91 Resp: 253423

Ion Ratio Lower Upper

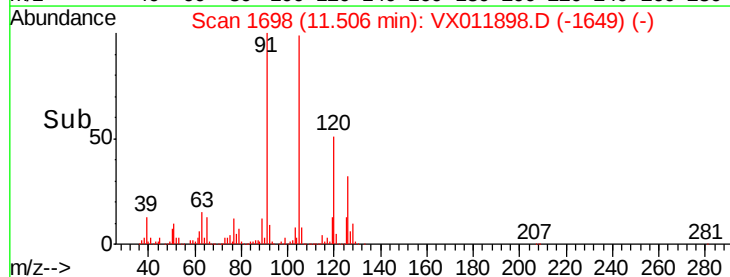
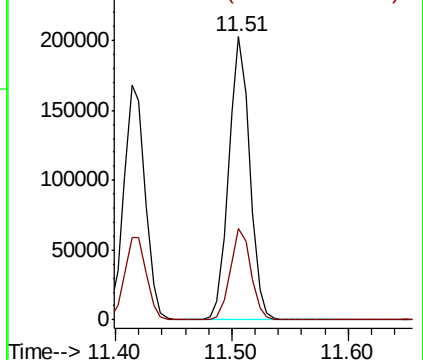
91 100

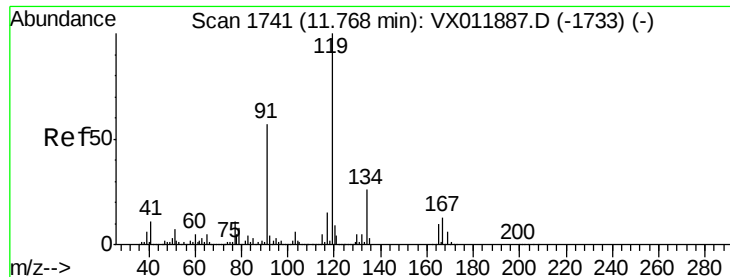
126 31.8 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

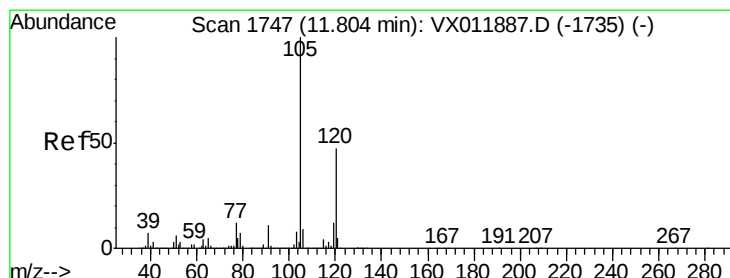
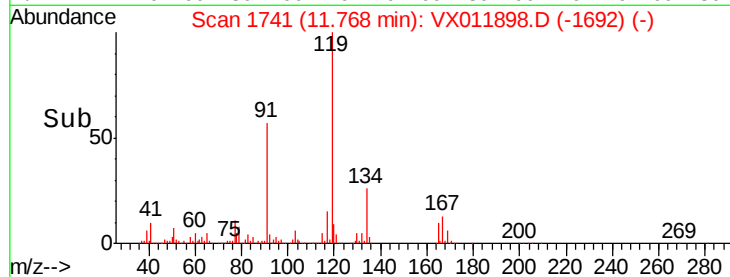
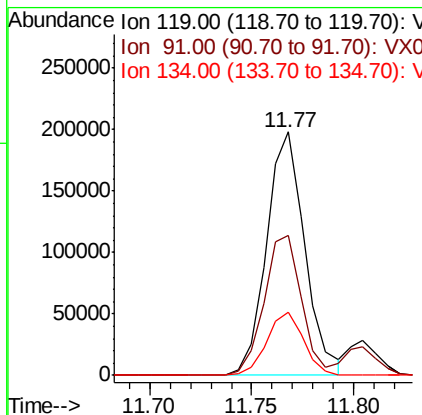
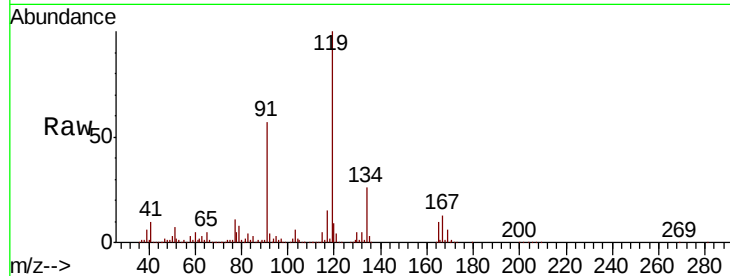




#83
 tert-Butylbenzene
 Concen: 19.650 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

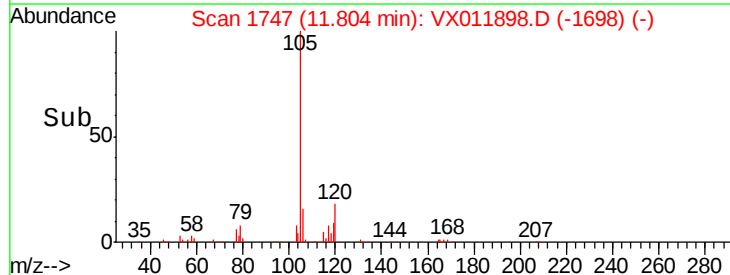
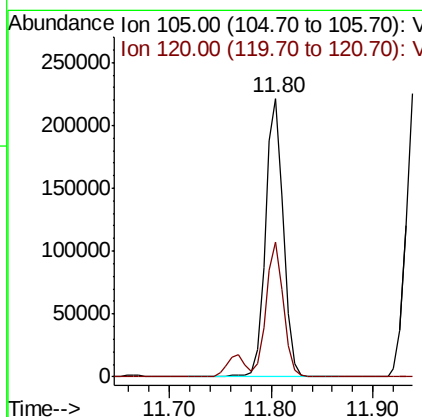
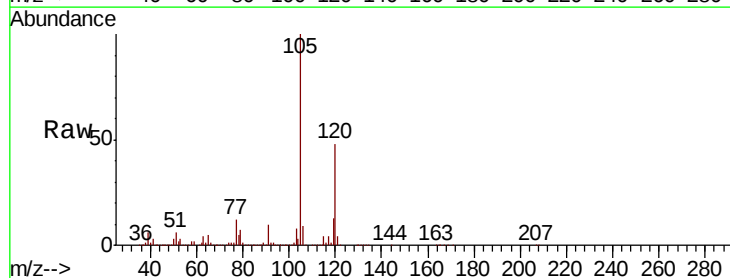
Instrument :
 MSVOA_X
 ClientSampled :
 VX0829SBS01

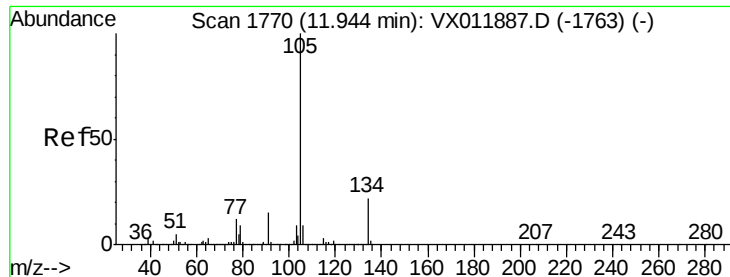
Tgt Ion	Resp	Lower	Upper
119	258895		
91	55.8	27.9	83.6
134	25.0	12.3	36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.235 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion	Resp	Lower	Upper
105	269272		
120	46.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.222 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

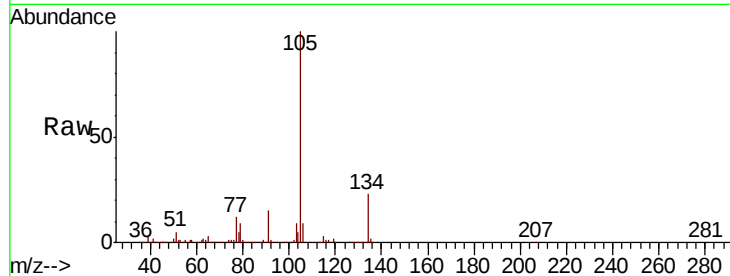
VX0829SBS01

Tgt Ion:105 Resp: 294164

Ion Ratio Lower Upper

105 100

134 22.3 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

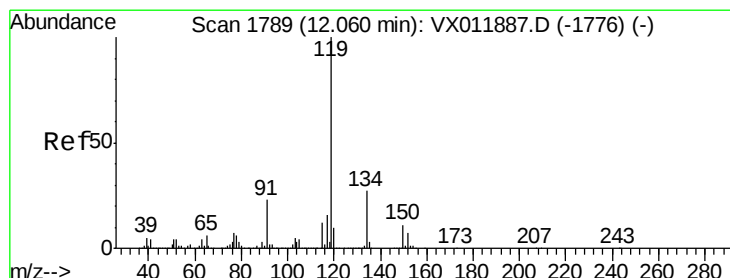
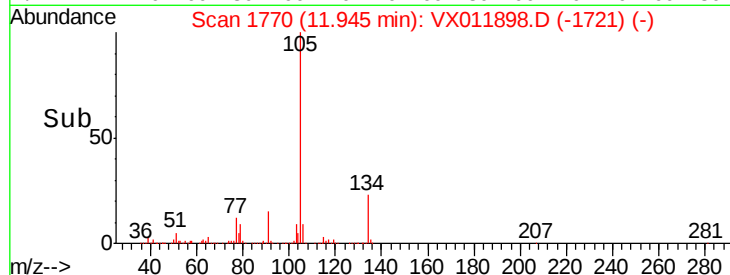
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 19.380 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

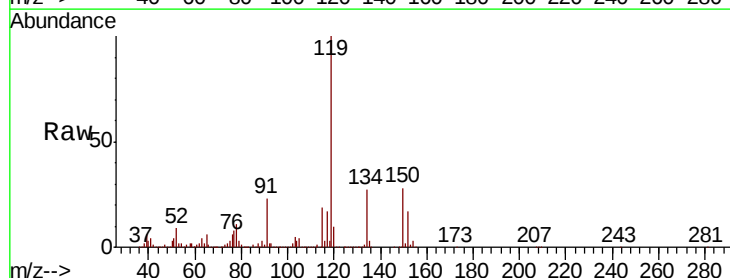
Tgt Ion:119 Resp: 287581

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 23.0 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

300000

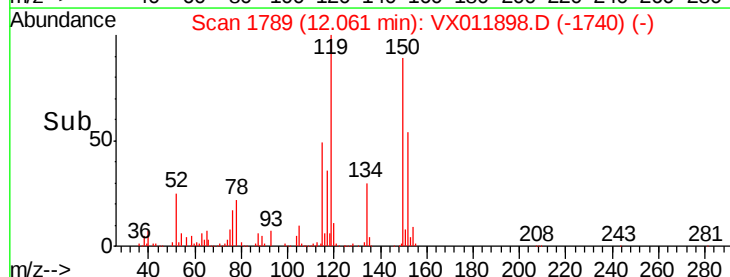
200000

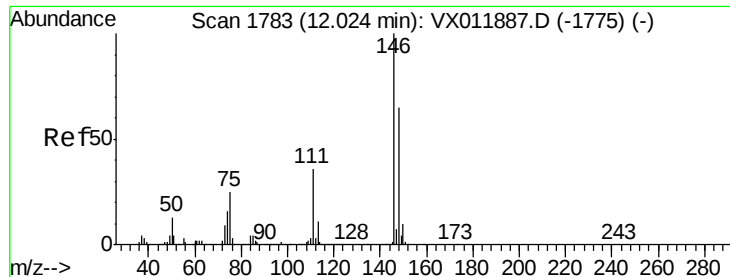
100000

0

12.00 12.10

Time-->

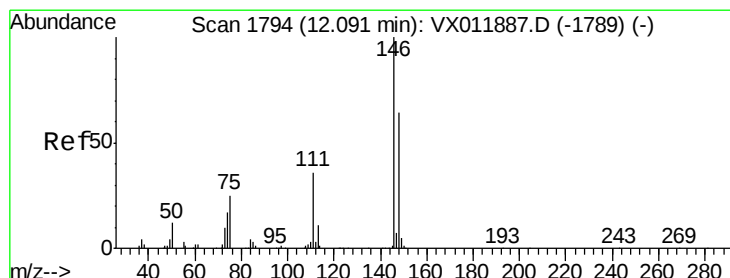
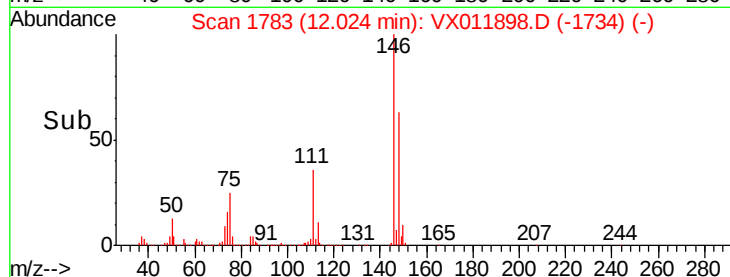
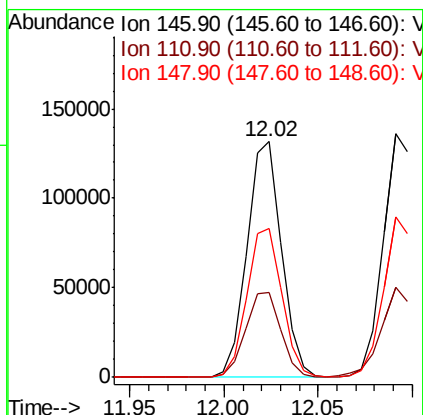
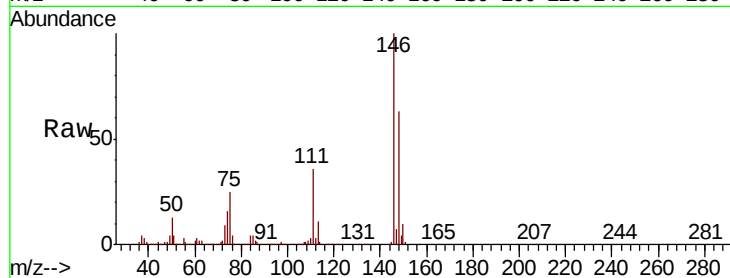




#87
 1,3-Dichlorobenzene
 Concen: 20.604 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

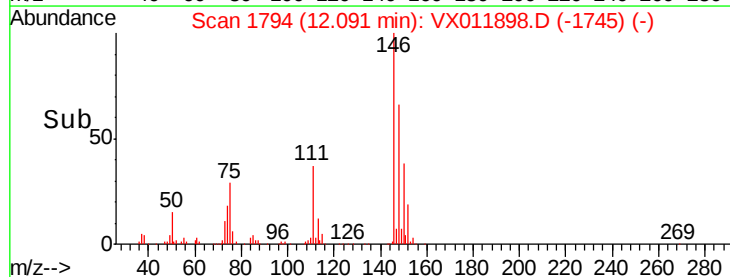
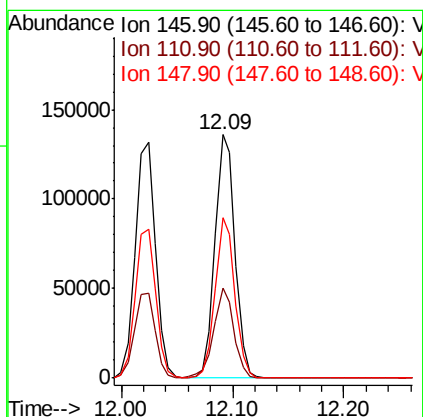
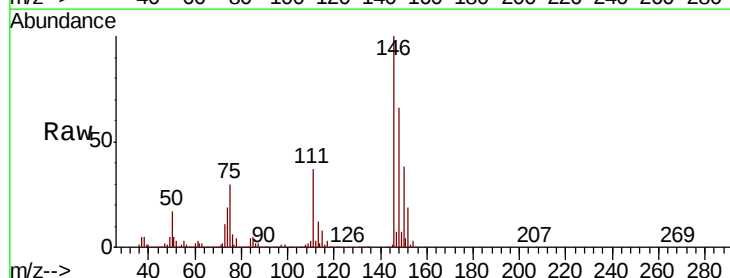
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

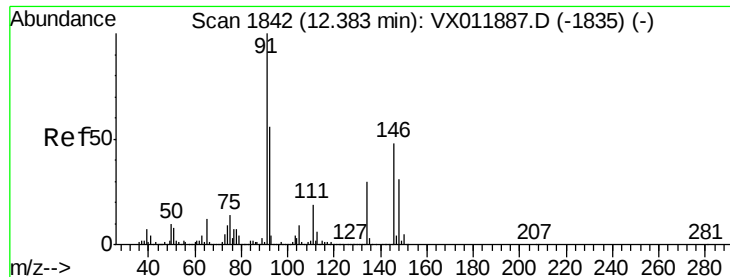
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.2
148	64.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.581 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.9	53.7
148	65.0	32.4	97.0





#89

n-Butylbenzene

Concen: 18.534 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX011898.D

Acq: 30 Aug 2019 04:28

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

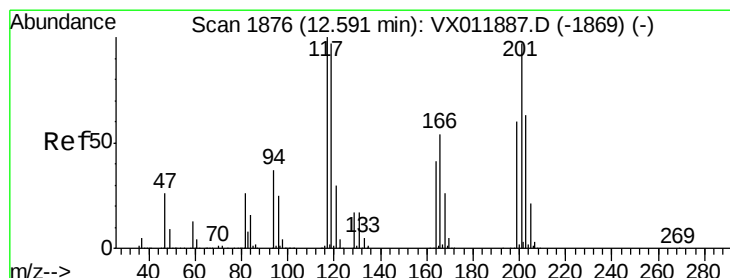
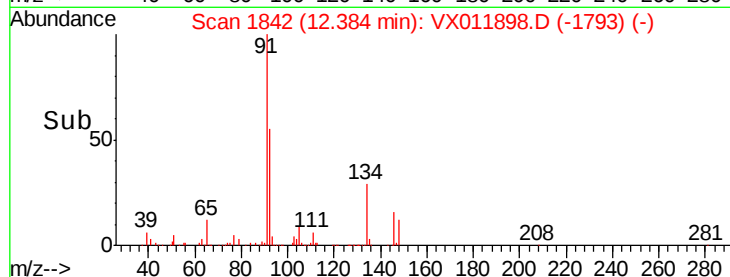
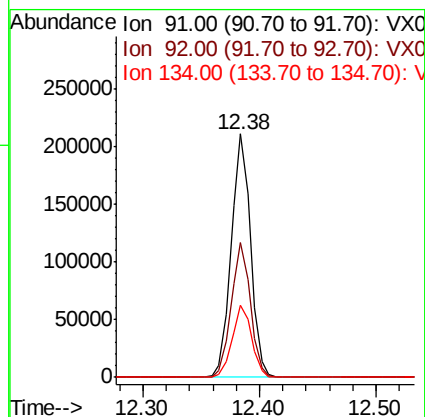
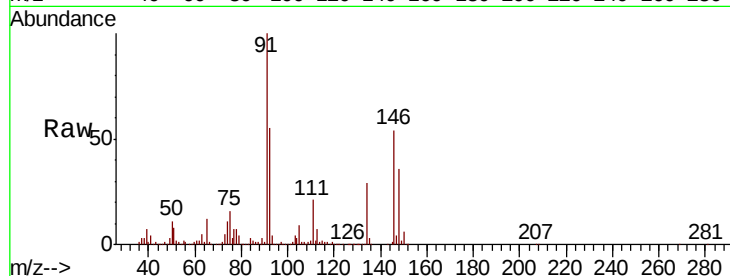
Tgt Ion: 91 Resp: 243319

Ion Ratio Lower Upper

91 100

92 54.9 27.6 82.8

134 29.7 14.8 44.3



#90

Hexachloroethane

Concen: 20.183 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VX011898.D

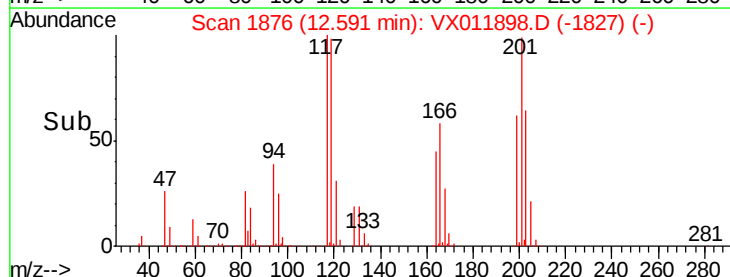
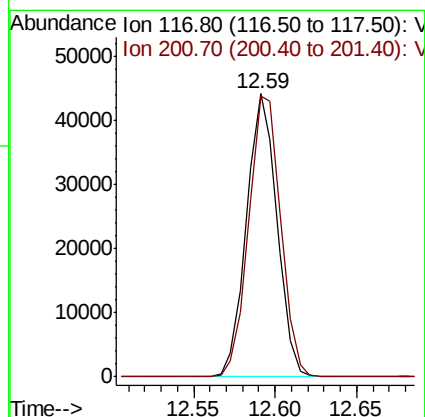
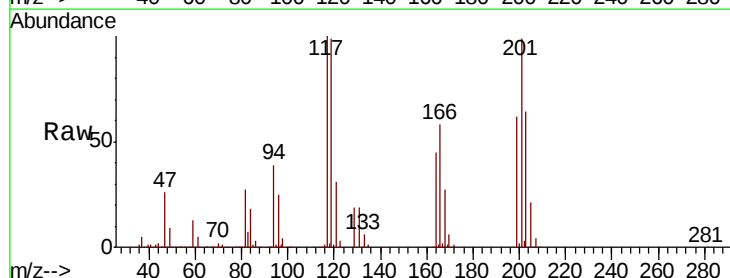
Acq: 30 Aug 2019 04:28

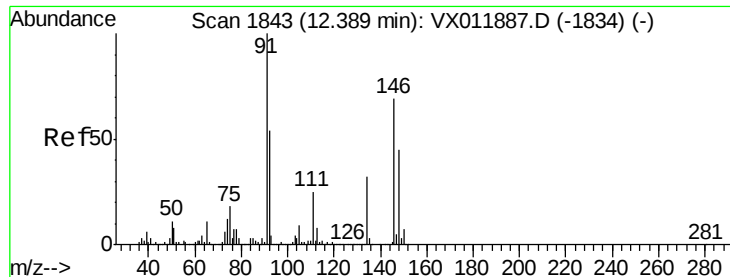
Tgt Ion: 117 Resp: 57943

Ion Ratio Lower Upper

117 100

201 103.6 52.8 158.5

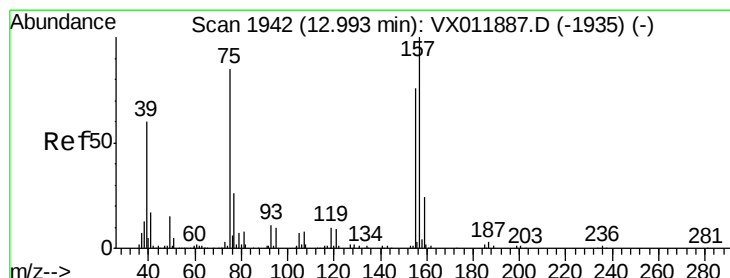
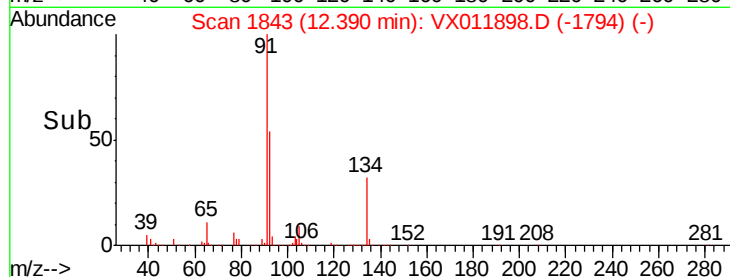
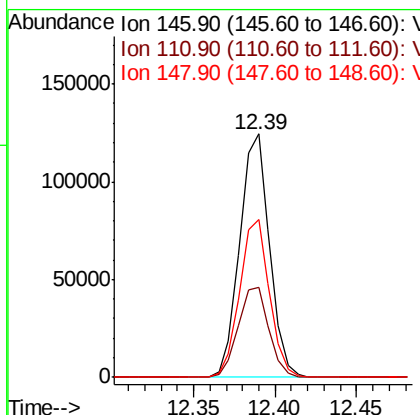
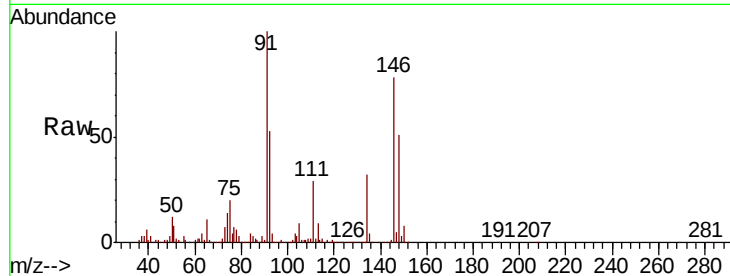




#91
 1,2-Dichlorobenzene
 Concen: 21.038 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

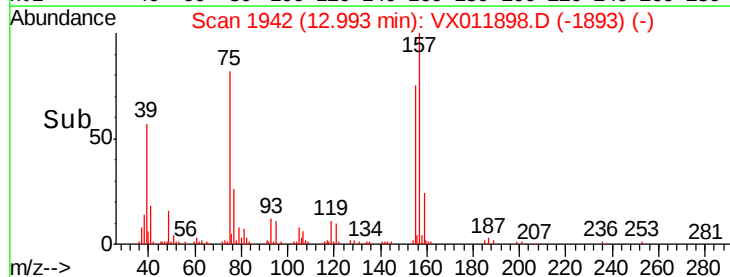
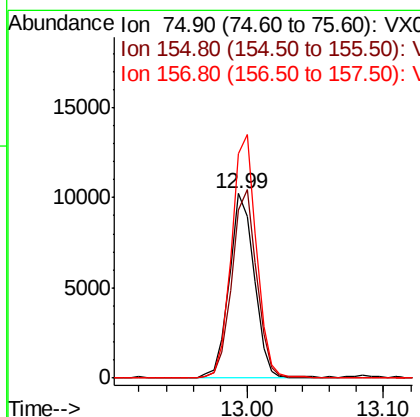
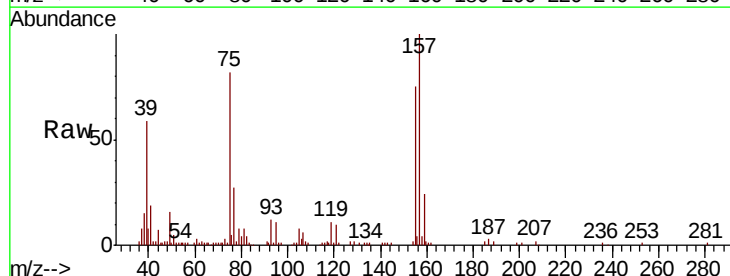
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

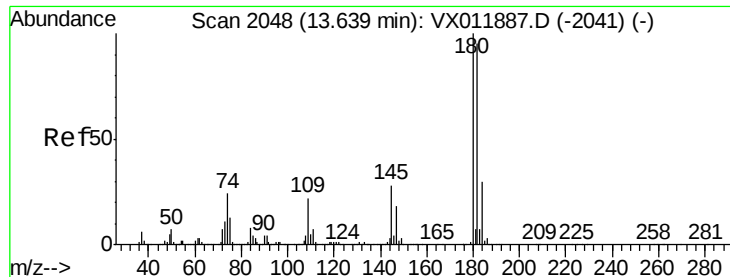
Tgt Ion: 146 Resp: 158600
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.5
 148 64.5 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.501 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion: 75 Resp: 13186
 Ion Ratio Lower Upper
 75 100
 155 100.0 50.1 150.4
 157 130.0 63.9 191.7

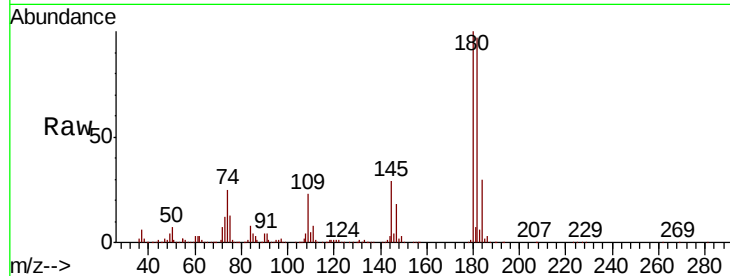




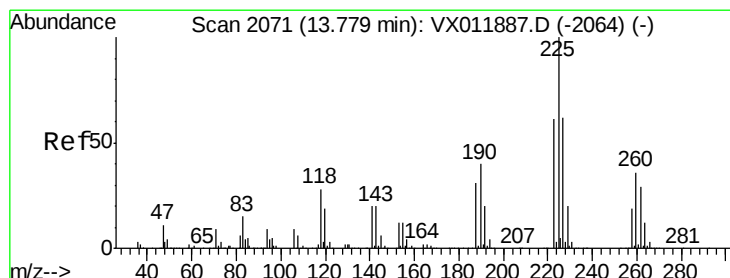
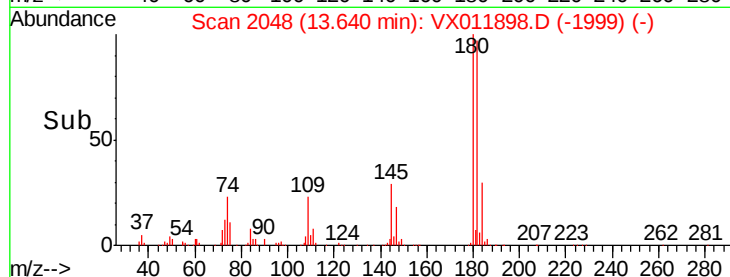
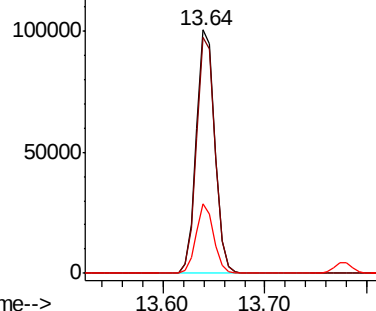
#93
 1,2,4-Trichlorobenzene
 Concen: 19.932 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBSD01

Tgt Ion:180 Resp: 126524
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.1 144.4
 145 27.2 13.8 41.3

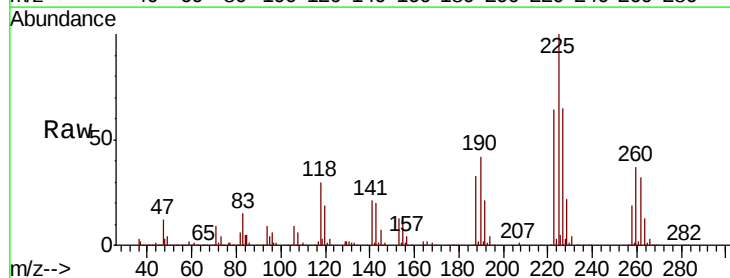


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

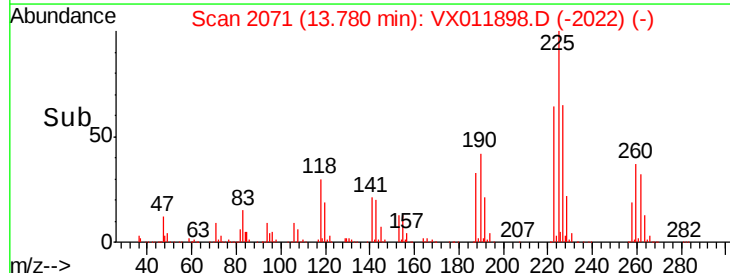
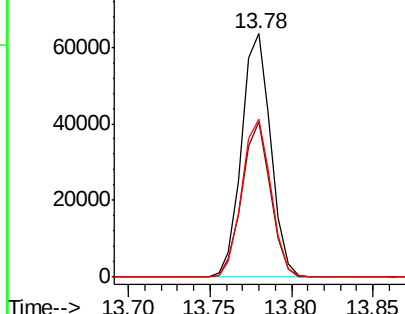


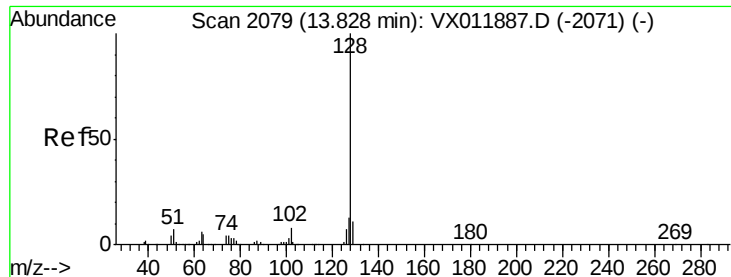
#94
 Hexachlorobutadiene
 Concen: 18.667 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011898.D
 Acq: 30 Aug 2019 04:28

Tgt Ion:225 Resp: 79133
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.8 92.3
 227 64.9 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

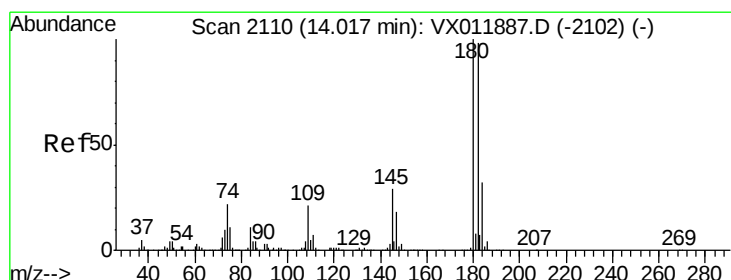
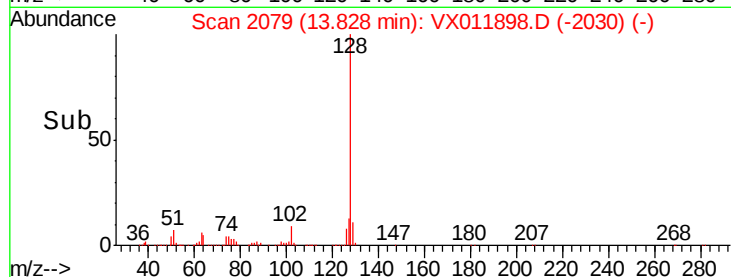
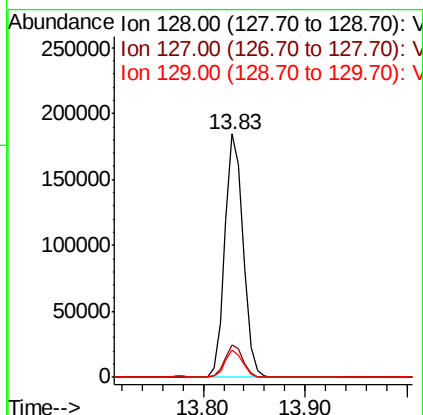
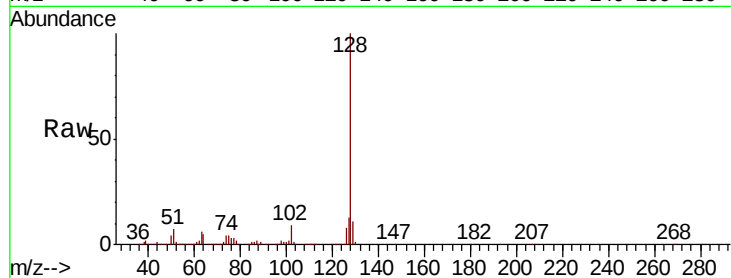




#95
Naphthalene
Concen: 21.064 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tgt Ion:128 Resp: 229472
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.284 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011898.D
Acq: 30 Aug 2019 04:28

Tgt Ion:180 Resp: 116434
Ion Ratio Lower Upper
180 100
182 96.0 48.3 144.8
145 29.8 14.6 43.8

