

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012698.D
 Acq On : 30 Sep 2019 12:25
 Operator : JC/SP
 Sample : VX0930WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Quant Time: Oct 01 03:44:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	324284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	131511	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	134937	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
35) Dibromofluoromethane	5.48	113	101339	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
50) Toluene-d8	8.71	98	380813	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	11.14	95	145256	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	36134	17.273	ug/l	98
3) Chloromethane	1.32	50	43011	17.906	ug/l	97
4) Vinyl Chloride	1.40	62	42632	17.856	ug/l	95
5) Bromomethane	1.63	94	19442	20.711	ug/l	94
6) Chloroethane	1.72	64	28445	17.672	ug/l	96
7) Trichlorofluoromethane	1.92	101	61249	18.271	ug/l	96
8) Diethyl Ether	2.18	74	25978	18.910	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37489	18.361	ug/l	97
10) Methyl Iodide	2.50	142	30608	17.773	ug/l	94
11) Tert butyl alcohol	3.03	59	68499	101.266	ug/l	97
12) 1,1-Dichloroethene	2.36	96	37449	18.731	ug/l	97
13) Acrolein	2.28	56	36503	103.141	ug/l	98
14) Allyl chloride	2.72	41	73194	18.452	ug/l	98
15) Acrylonitrile	3.13	53	129438	94.320	ug/l	98
16) Acetone	2.43	43	121098	84.432	ug/l	99
17) Carbon Disulfide	2.56	76	97657	17.423	ug/l	100
18) Methyl Acetate	2.76	43	63399	18.772	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	142875	18.880	ug/l	99
20) Methylene Chloride	2.84	84	44930	18.521	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	41603	18.783	ug/l	98
22) Diisopropyl ether	3.84	45	145477	18.980	ug/l	99
23) Vinyl Acetate	3.80	43	629217	93.613	ug/l	98
24) 1,1-Dichloroethane	3.69	63	78200	18.770	ug/l	98
25) 2-Butanone	4.66	43	184072	89.506	ug/l	95
26) 2,2-Dichloropropane	4.57	77	67231	18.144	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	47874	18.628	ug/l	95
28) Bromochloromethane	5.00	49	29278	19.354	ug/l	97
29) Tetrahydrofuran	5.12	42	117105	93.425	ug/l	98
30) Chloroform	5.20	83	80232	18.823	ug/l	99
31) Cyclohexane	5.57	56	70512	18.708	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	70356	18.624	ug/l	99
36) 1,1-Dichloropropene	5.79	75	59262	18.959	ug/l	98
37) Ethyl Acetate	4.82	43	68077	18.629	ug/l	97
38) Carbon Tetrachloride	5.78	117	59844	18.847	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	70059	18.618	ug/l	97
40) Benzene	6.13	78	176051	19.143	ug/l	99
41) Methacrylonitrile	5.03	41	36863	17.979	ug/l	96
42) 1,2-Dichloroethane	6.18	62	66000	18.898	ug/l	98
43) Isopropyl Acetate	6.43	43	112233	18.365	ug/l	97
44) Trichloroethene	7.21	130	45085	19.176	ug/l	95
45) 1,2-Dichloropropane	7.51	63	45209	19.200	ug/l	98
46) Dibromomethane	7.66	93	30113	18.784	ug/l	95
47) Bromodichloromethane	7.89	83	59834	18.674	ug/l	99
48) Methyl methacrylate	7.76	41	54159	18.482	ug/l	93
49) 1,4-Dioxane	7.73	88	26180	393.898	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	356452	94.491	ug/l	97
52) Toluene	8.78	92	111491	19.288	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	66738	18.826	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	72417	18.709	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45087	19.619	ug/l	97
56) Ethyl methacrylate	9.17	69	73043	18.919	ug/l	94
57) 1,3-Dichloropropane	9.37	76	78102	19.419	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	174581	100.739	ug/l	98
59) 2-Hexanone	9.49	43	269673	93.394	ug/l	96
60) Dibromochloromethane	9.57	129	45608	19.605	ug/l	97
61) 1,2-Dibromoethane	9.67	107	46081	19.267	ug/l	99
64) Tetrachloroethene	9.33	164	40050	19.599	ug/l	91
65) Chlorobenzene	10.14	112	115408	18.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	42544	19.025	ug/l	98
67) Ethyl Benzene	10.25	91	210662	18.819	ug/l	99
68) m/p-Xylenes	10.35	106	157469	37.552	ug/l	99
69) o-Xylene	10.70	106	76539	18.863	ug/l	98
70) Styrene	10.71	104	128973	18.960	ug/l	99
71) Bromoform	10.85	173	29520	18.958	ug/l #	98
73) Isopropylbenzene	11.01	105	208097	19.428	ug/l	100
74) N-amyl acetate	10.89	43	94673	18.527	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	66919	18.864	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	80876	23.248	ug/l	85
77) Bromobenzene	11.25	156	46135	19.031	ug/l	100
78) n-propylbenzene	11.35	91	222379	18.441	ug/l	100
79) 2-Chlorotoluene	11.42	91	140144	18.630	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	172297	19.182	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21278	17.528	ug/l	99
82) 4-Chlorotoluene	11.51	91	160574	18.725	ug/l	98
83) tert-Butylbenzene	11.76	119	167081	19.283	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	173539	19.152	ug/l	99
85) sec-Butylbenzene	11.94	105	194984	19.348	ug/l	100
86) p-Isopropyltoluene	12.06	119	176636	19.425	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81764	18.742	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	82620	18.741	ug/l	98
89) n-Butylbenzene	12.38	91	144216	17.998	ug/l	99
90) Hexachloroethane	12.59	117	30351	18.722	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	82704	18.935	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16722	18.845	ug/l	95

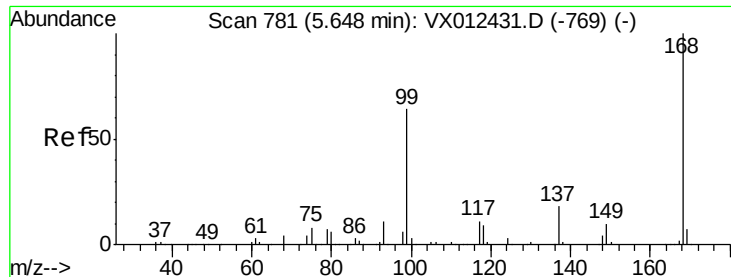
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48057	18.042	ug/l	99
94) Hexachlorobutadiene	13.77	225	22524	19.656	ug/l	99
95) Naphthalene	13.83	128	178792	18.552	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	50672	18.991	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

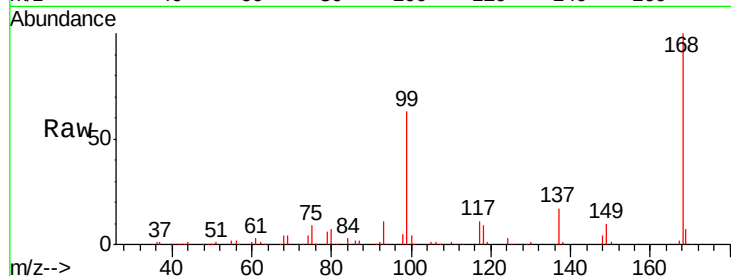
VX0930WBS01

Tgt Ion:168 Resp: 185951

Ion Ratio Lower Upper

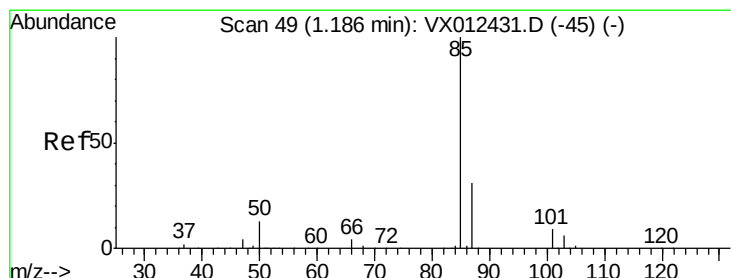
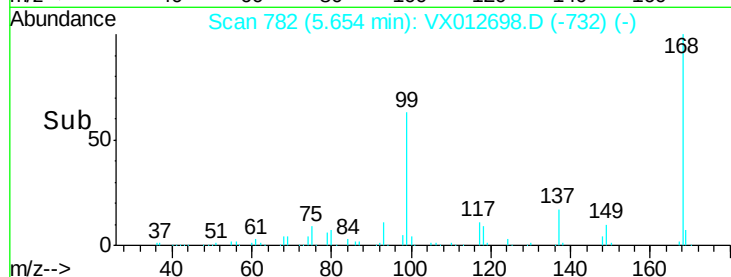
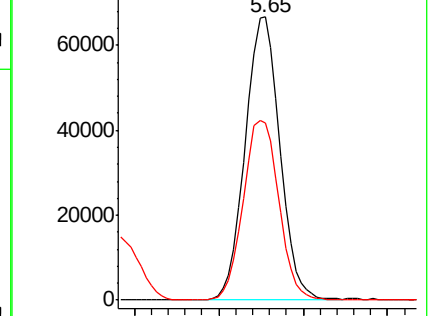
168 100

99 62.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.273 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012698.D

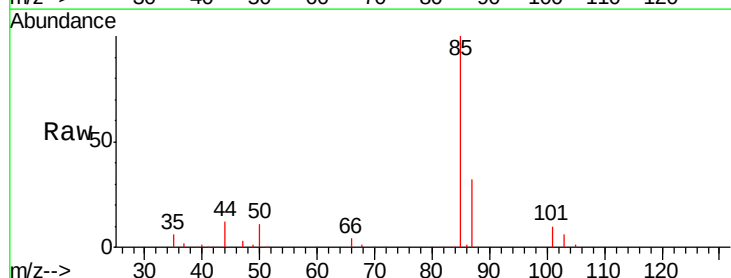
Acq: 30 Sep 2019 12:25

Tgt Ion: 85 Resp: 36134

Ion Ratio Lower Upper

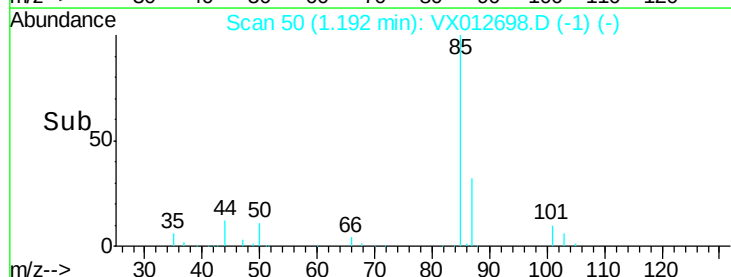
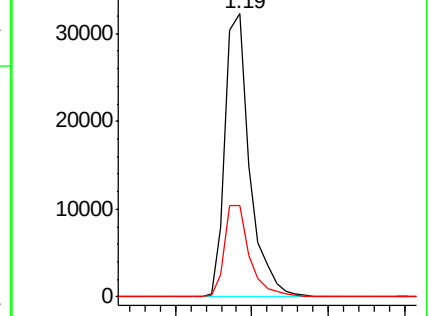
85 100

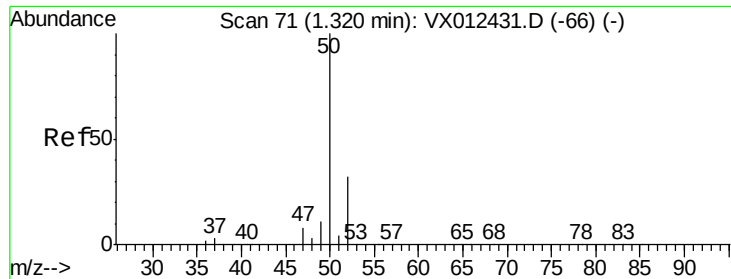
87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.906 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

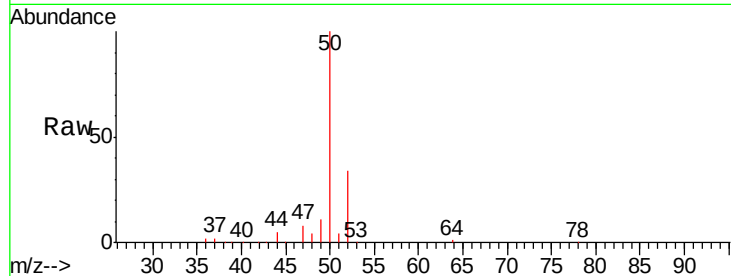
VX0930WBS01

Tgt Ion: 50 Resp: 43011

Ion Ratio Lower Upper

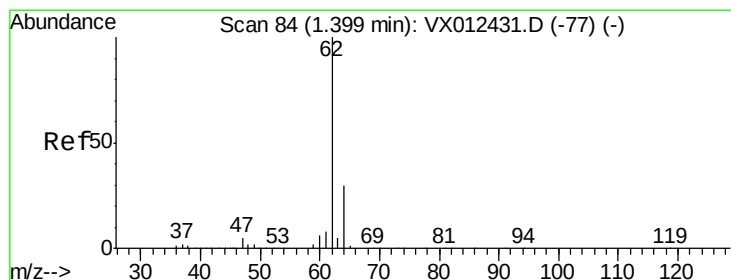
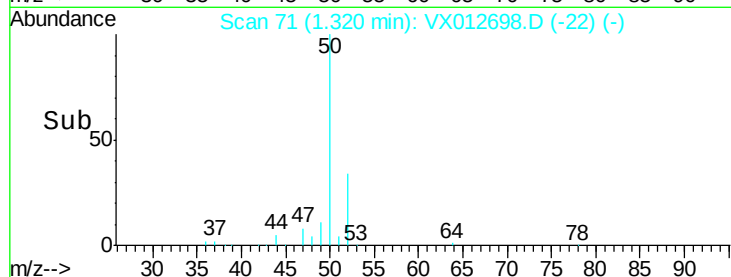
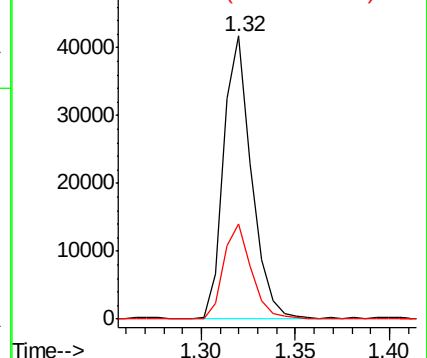
50 100

52 33.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.856 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012698.D

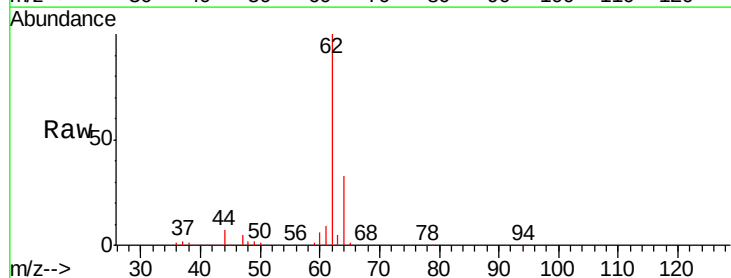
Acq: 30 Sep 2019 12:25

Tgt Ion: 62 Resp: 42632

Ion Ratio Lower Upper

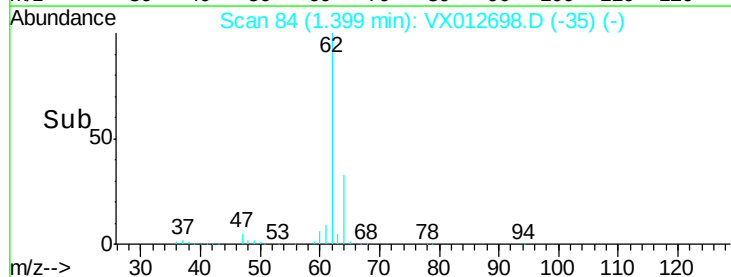
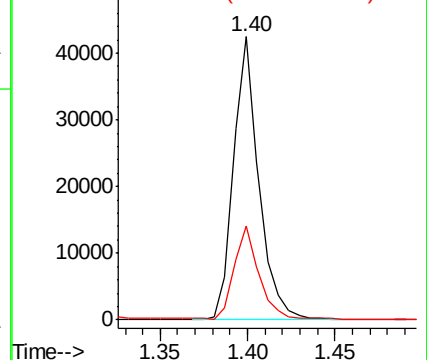
62 100

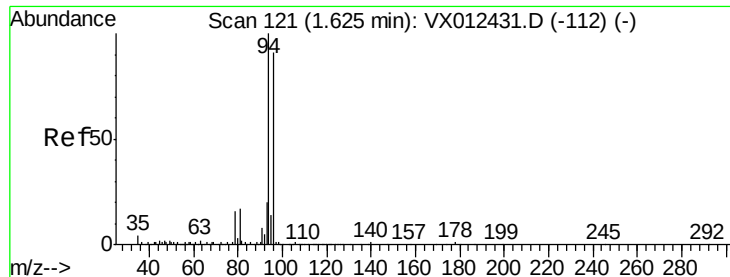
64 32.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.711 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

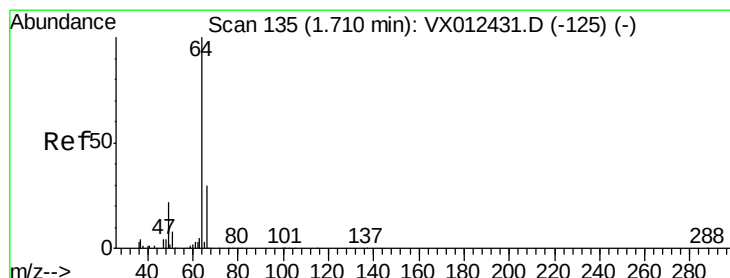
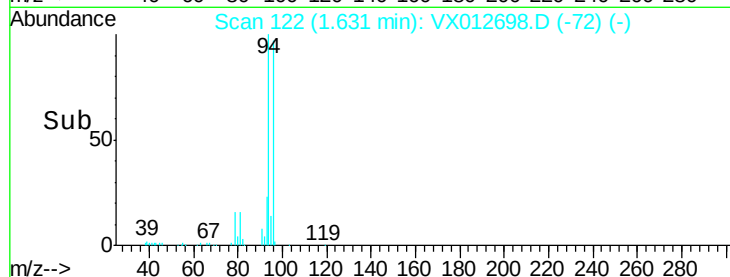
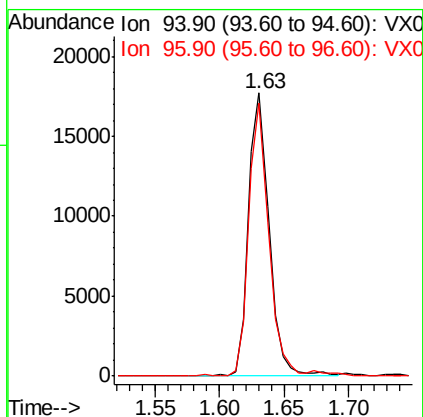
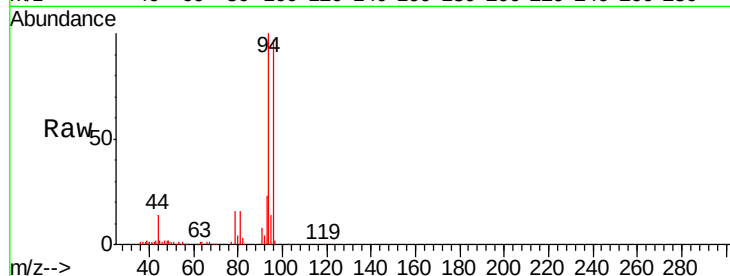
VX0930WBS01

Tgt Ion: 94 Resp: 19442

Ion Ratio Lower Upper

94 100

96 96.2 72.8 109.2



#6

Chloroethane

Concen: 17.672 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012698.D

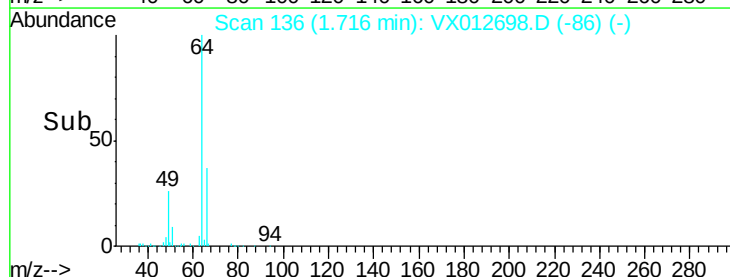
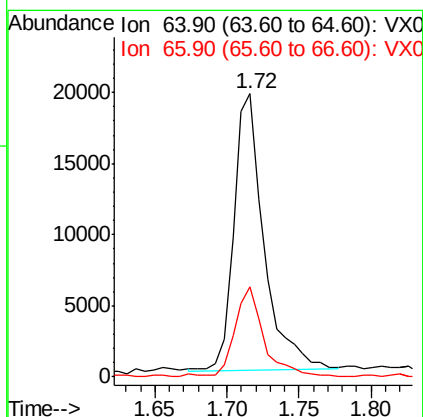
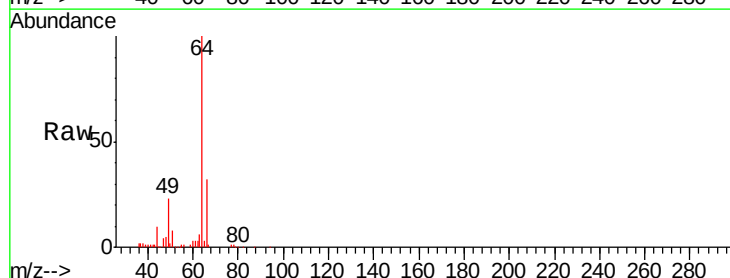
Acq: 30 Sep 2019 12:25

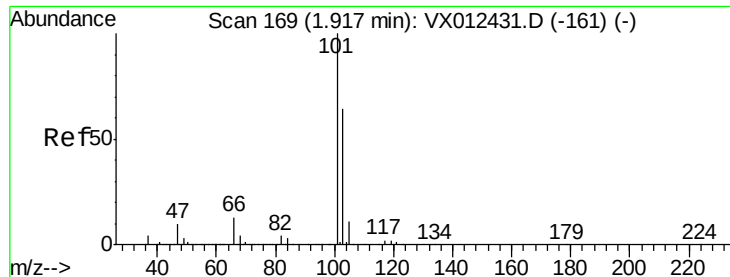
Tgt Ion: 64 Resp: 28445

Ion Ratio Lower Upper

64 100

66 32.4 24.0 36.0



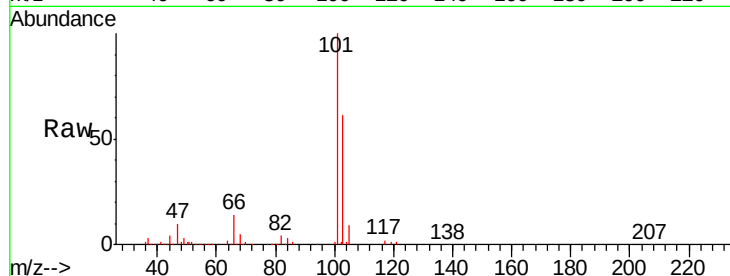


#7

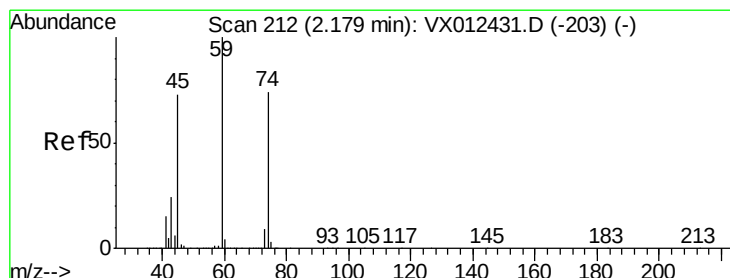
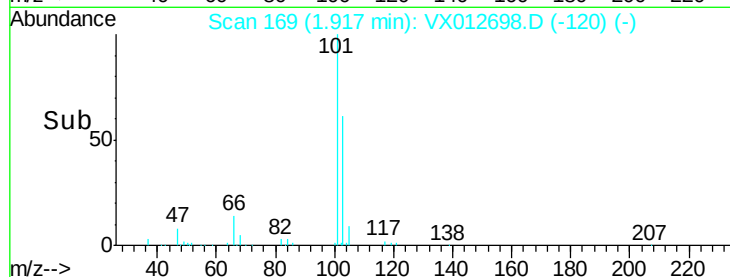
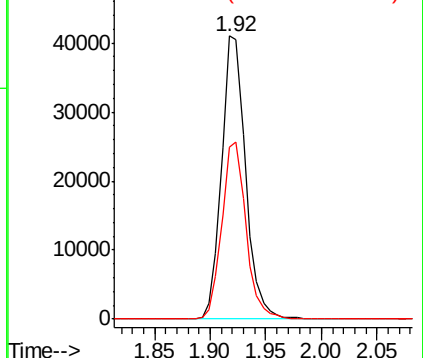
Trichlorofluoromethane
 Concen: 18.271 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Tgt Ion:101 Resp: 61249
 Ion Ratio Lower Upper
 101 100
 103 60.8 51.0 76.4



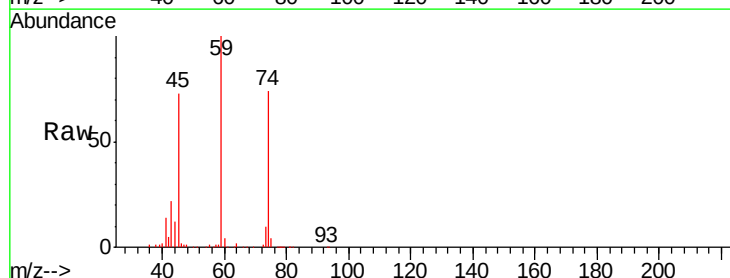
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



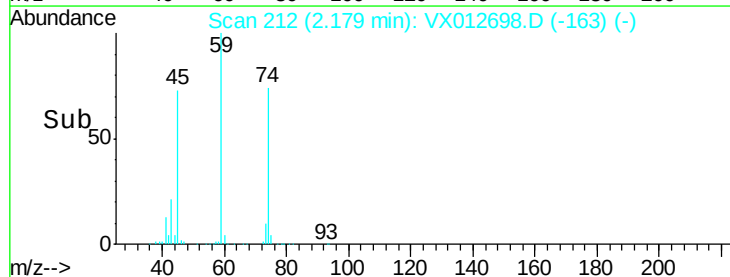
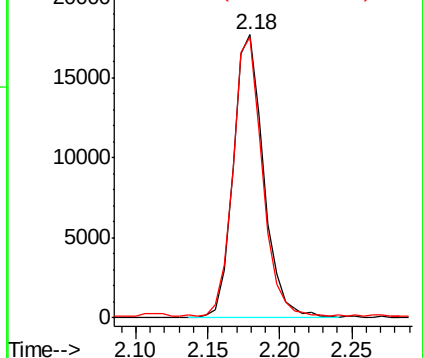
#8

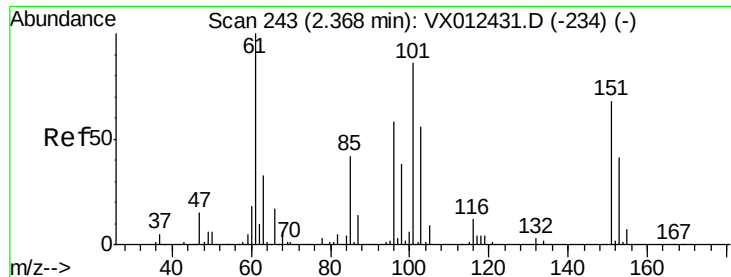
Diethyl Ether
 Concen: 18.910 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 74 Resp: 25978
 Ion Ratio Lower Upper
 74 100
 45 95.7 49.9 149.7



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.361 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

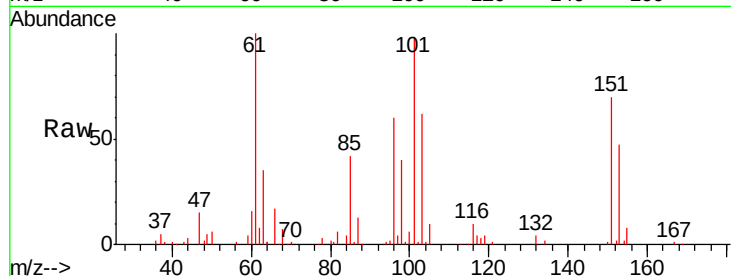
Tgt Ion:101 Resp: 37489

Ion Ratio Lower Upper

101 100

85 45.1 37.3 55.9

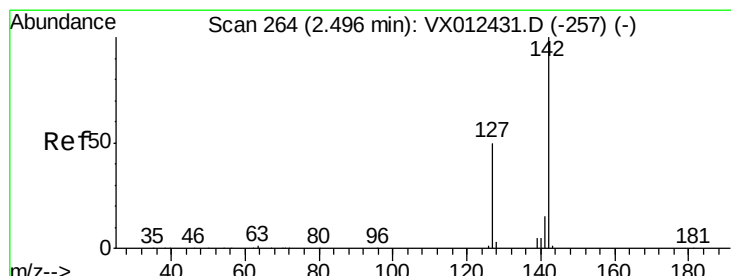
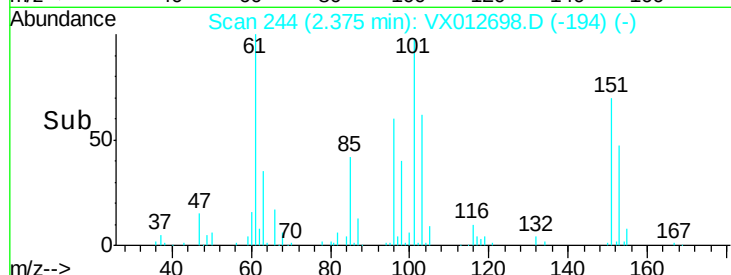
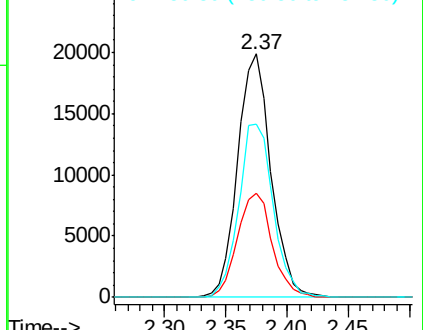
151 73.9 61.0 91.4



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: 17.773 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

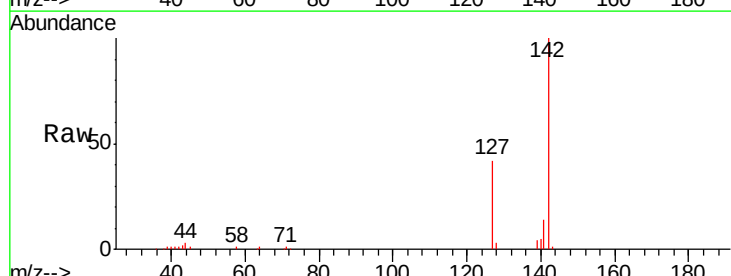
Tgt Ion:142 Resp: 30608

Ion Ratio Lower Upper

142 100

127 46.2 40.8 61.2

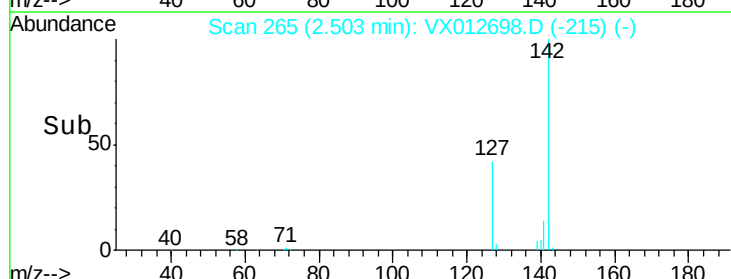
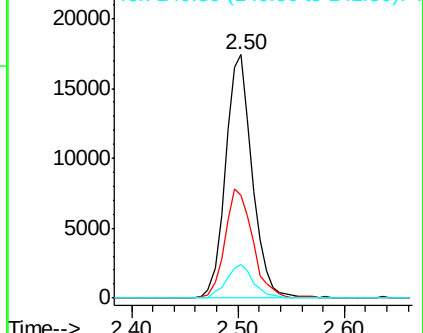
141 13.8 12.1 18.1

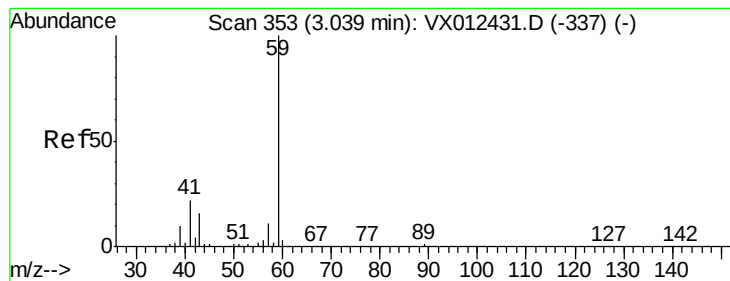


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



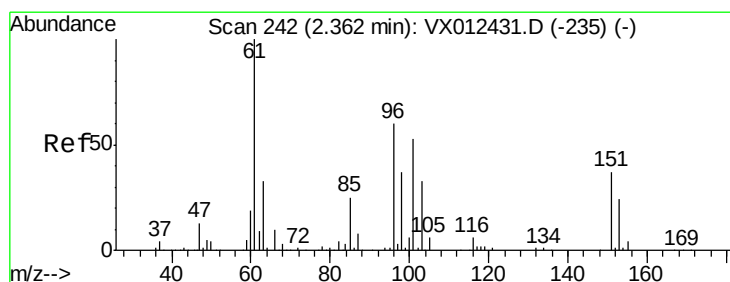
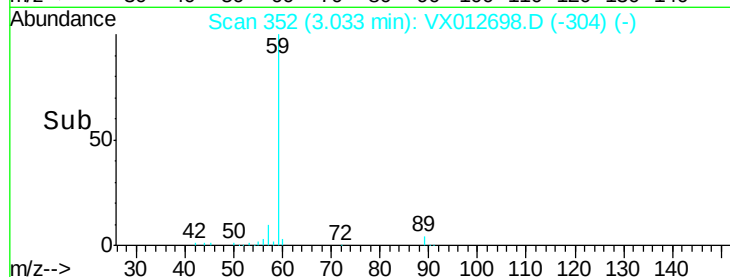
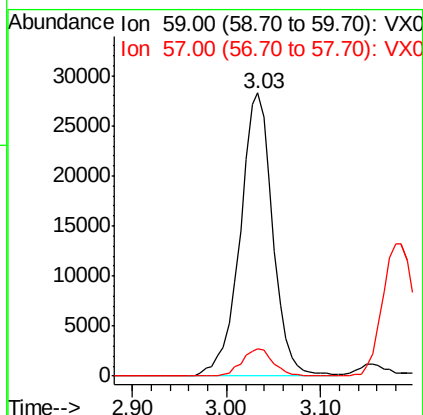
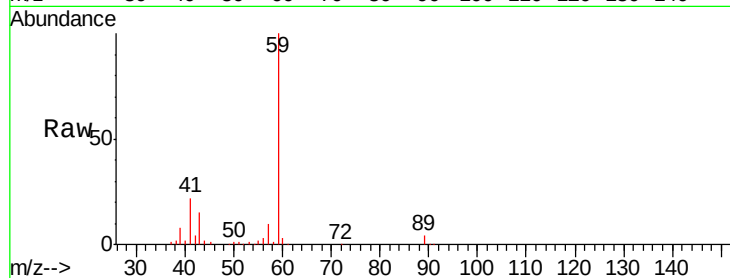


#11

Tert butyl alcohol
 Concen: 101.266 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

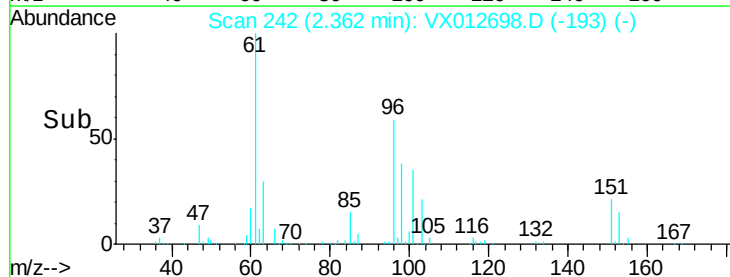
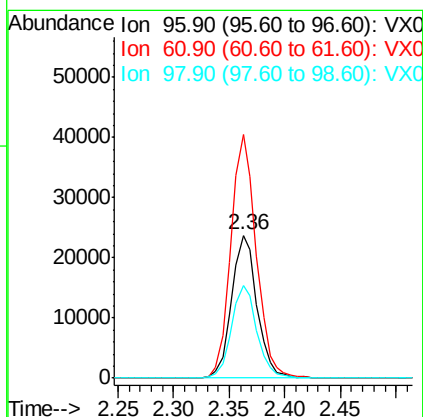
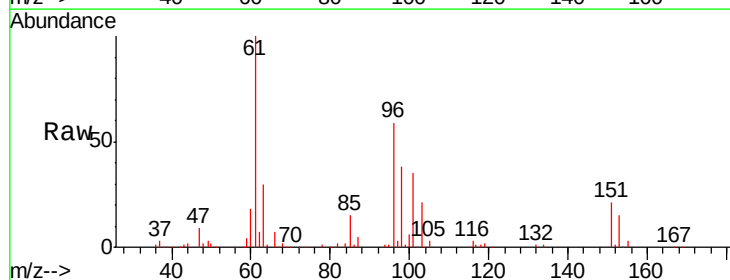
Tgt Ion: 59 Resp: 68499
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.3 12.5

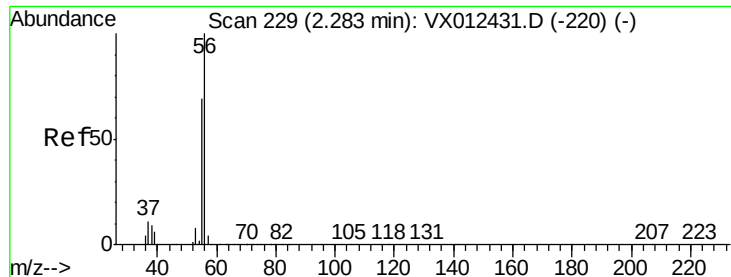


#12

1,1-Dichloroethene
 Concen: 18.731 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 96 Resp: 37449
 Ion Ratio Lower Upper
 96 100
 61 170.6 133.8 200.6
 98 64.4 49.9 74.9





#13

Acrolein

Concen: 103.141 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

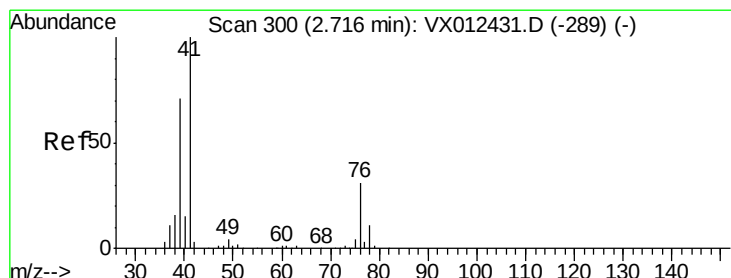
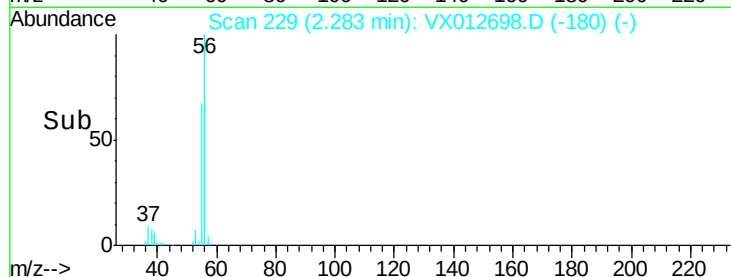
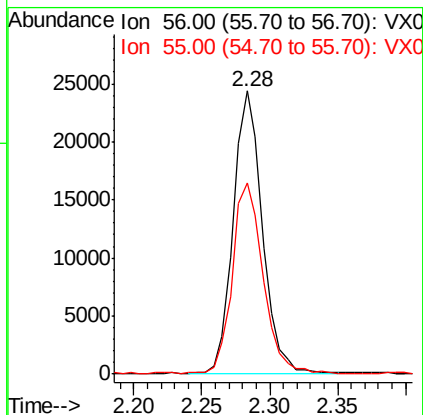
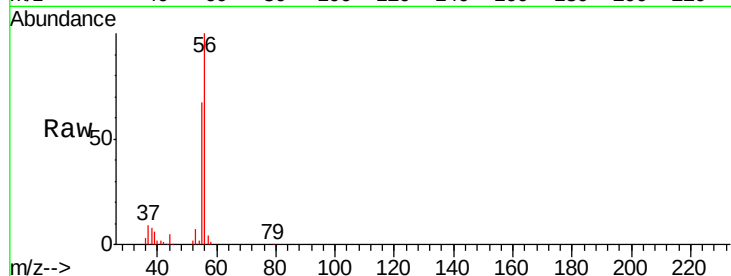
VX0930WBS01

Tgt Ion: 56 Resp: 36503

Ion Ratio Lower Upper

56 100

55 71.3 55.8 83.8



#14

Allyl chloride

Concen: 18.452 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

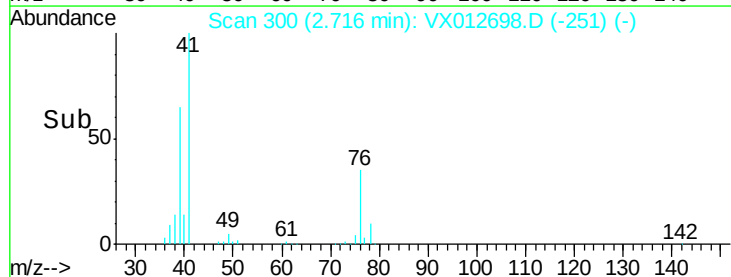
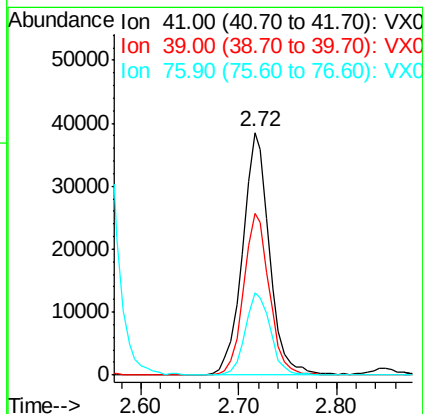
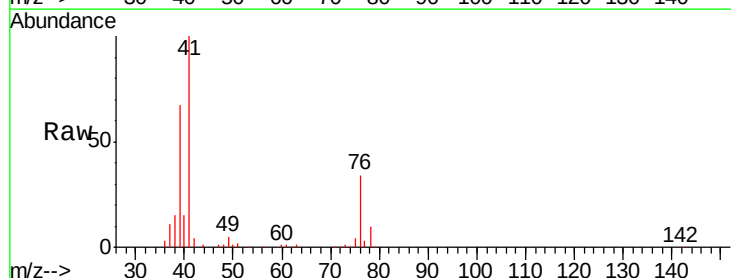
Tgt Ion: 41 Resp: 73194

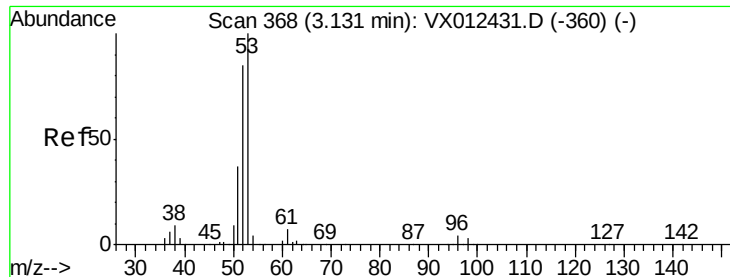
Ion Ratio Lower Upper

41 100

39 64.4 51.3 76.9

76 31.7 22.6 33.8





#15

Acrylonitrile

Concen: 94.320 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

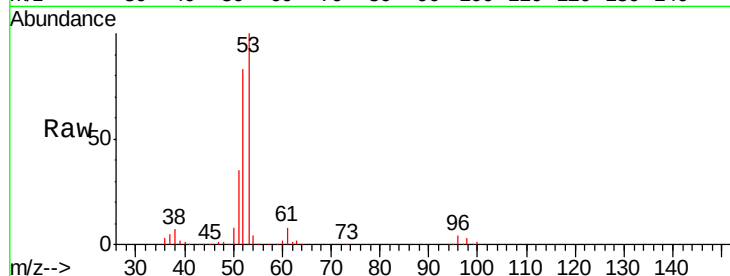
Tgt Ion: 53 Resp: 129438

Ion Ratio Lower Upper

53 100

52 81.4 67.0 100.4

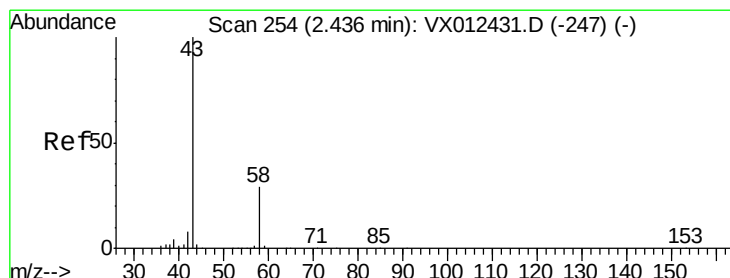
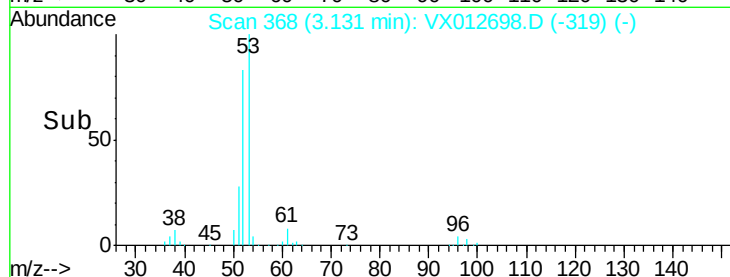
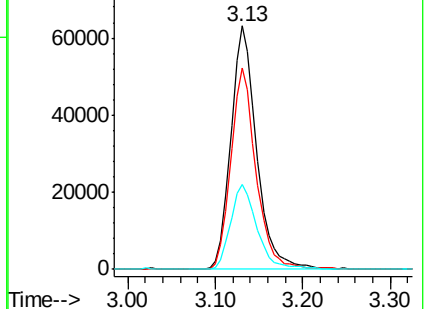
51 36.0 29.6 44.4



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: 84.432 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012698.D

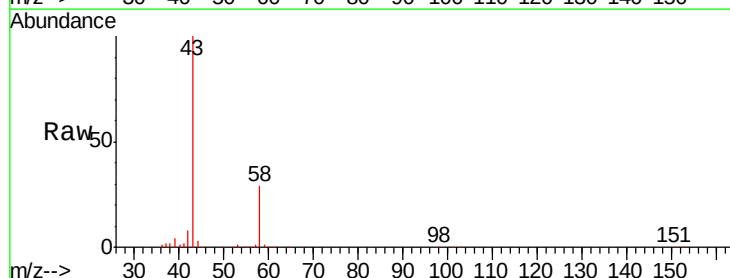
Acq: 30 Sep 2019 12:25

Tgt Ion: 43 Resp: 121098

Ion Ratio Lower Upper

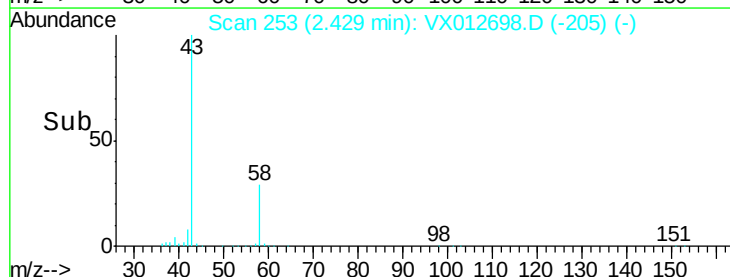
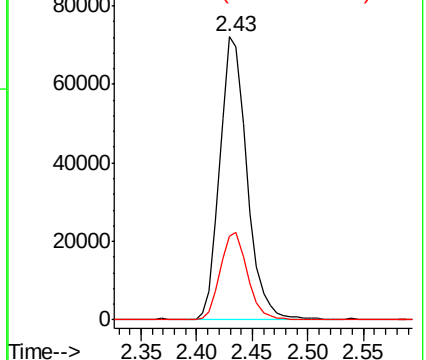
43 100

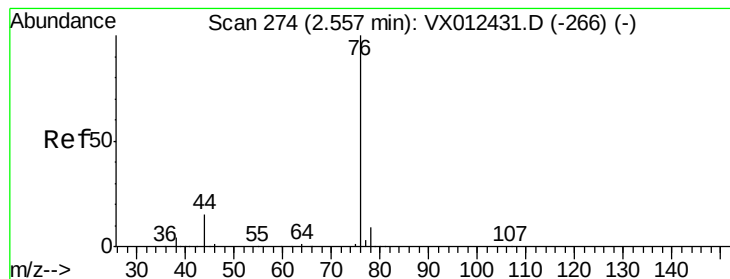
58 29.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.423 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

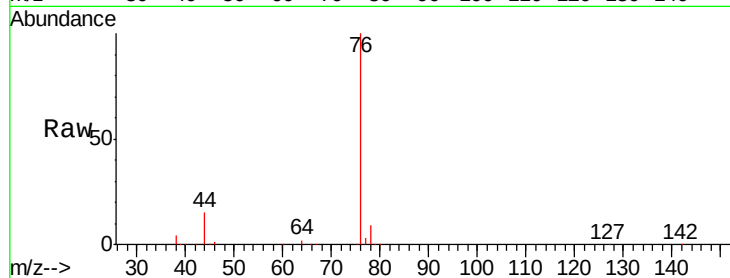
VX0930WBS01

Tgt Ion: 76 Resp: 97657

Ion Ratio Lower Upper

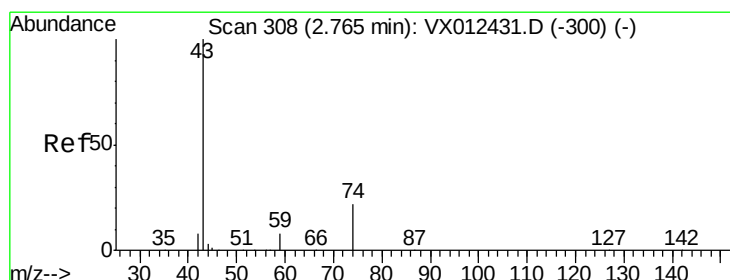
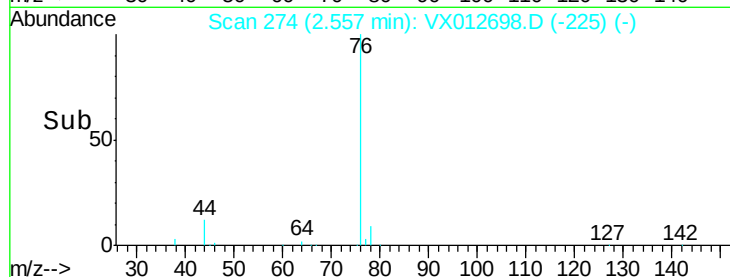
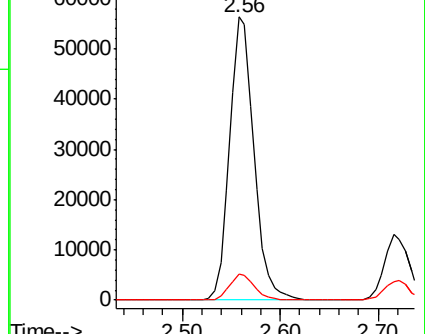
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.772 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX012698.D

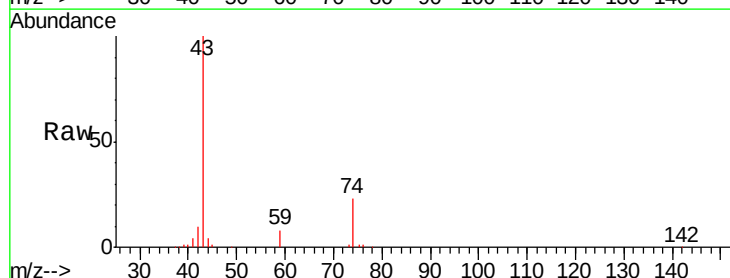
Acq: 30 Sep 2019 12:25

Tgt Ion: 43 Resp: 63399

Ion Ratio Lower Upper

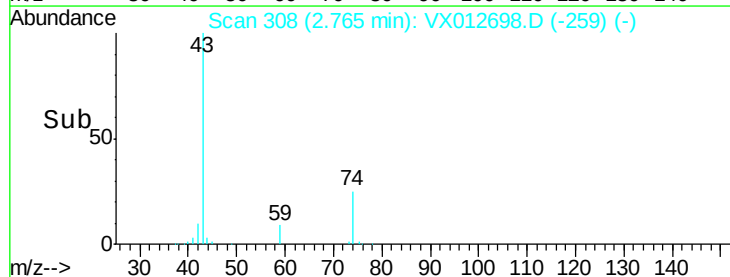
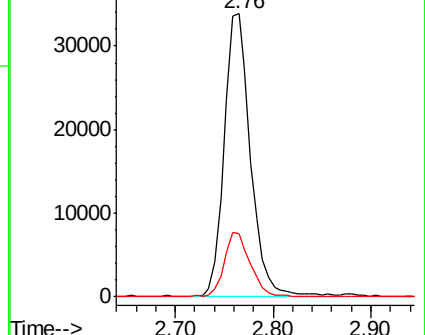
43 100

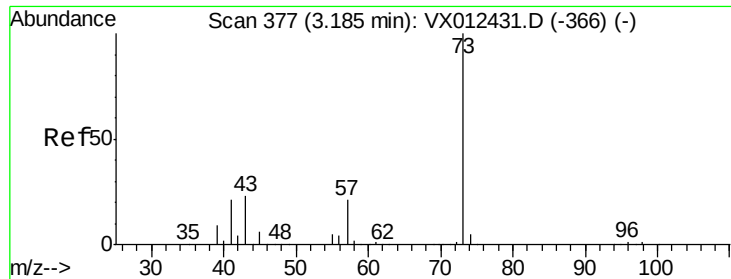
74 22.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



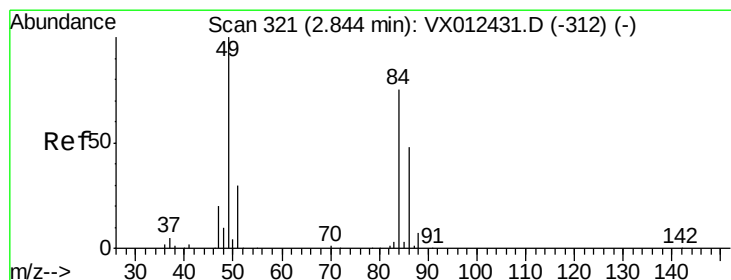
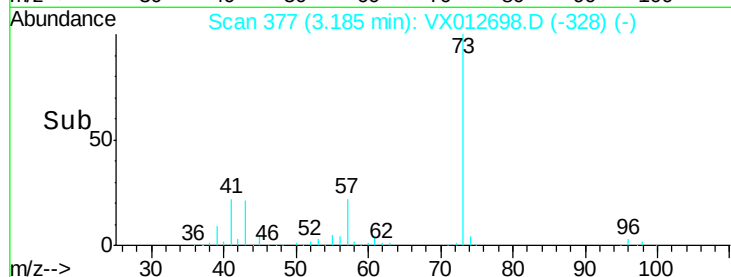
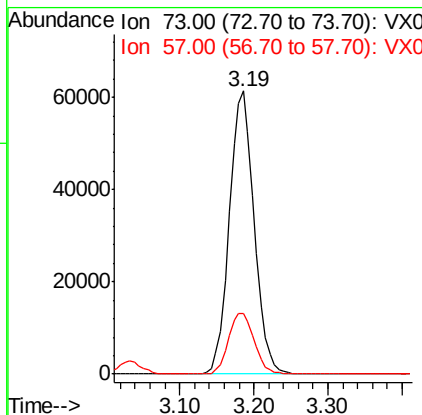
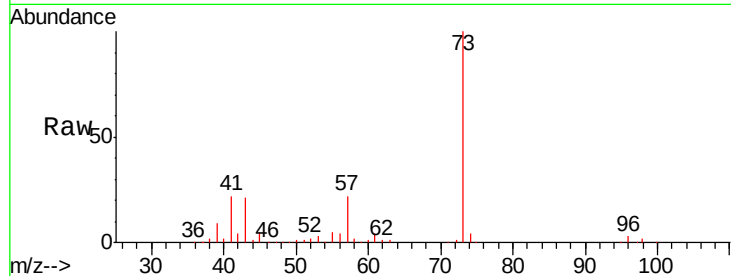


#19

Methyl tert-butyl Ether
 Concen: 18.880 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

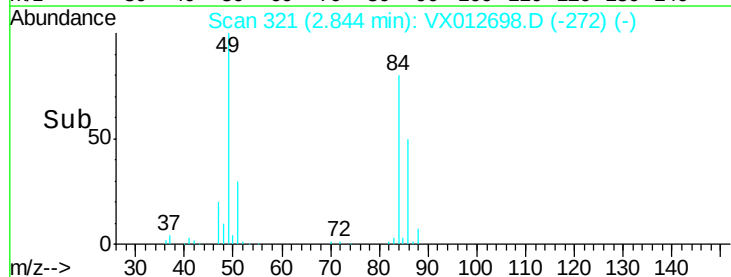
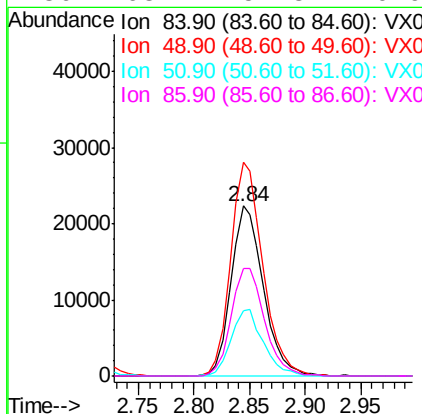
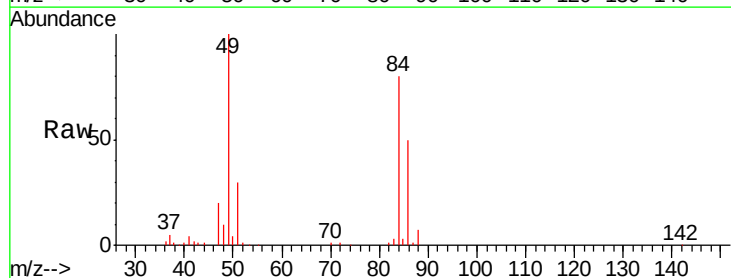
Tgt Ion: 73 Resp: 142875
 Ion Ratio Lower Upper
 73 100
 57 21.5 16.8 25.2

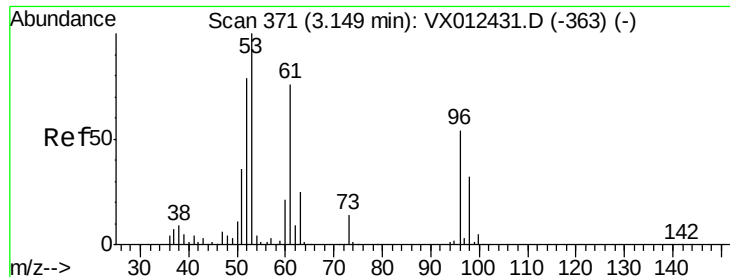


#20

Methylene Chloride
 Concen: 18.521 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 84 Resp: 44930
 Ion Ratio Lower Upper
 84 100
 49 125.7 106.8 160.2
 51 38.1 32.3 48.5
 86 63.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.783 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

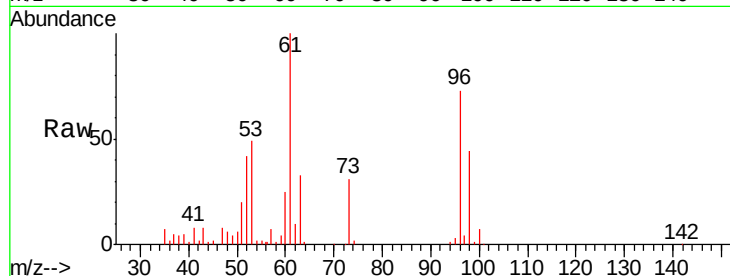
Tgt Ion: 96 Resp: 41603

Ion Ratio Lower Upper

96 100

61 136.7 112.0 168.0

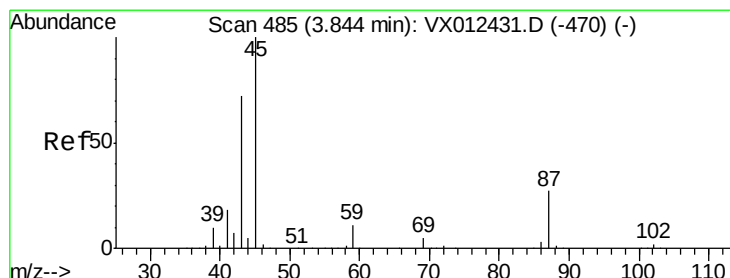
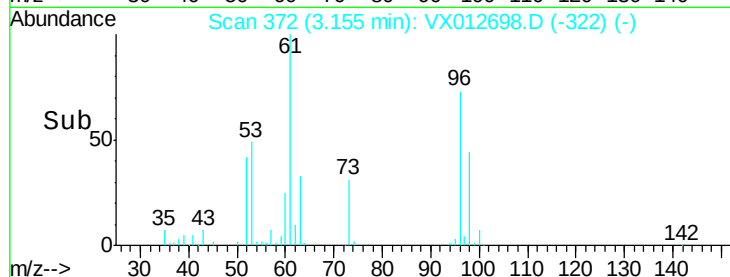
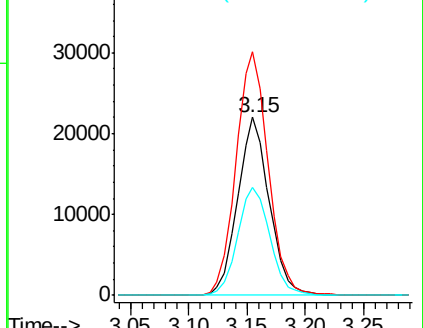
98 60.8 47.8 71.8



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: 18.980 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion: 45 Resp: 145477

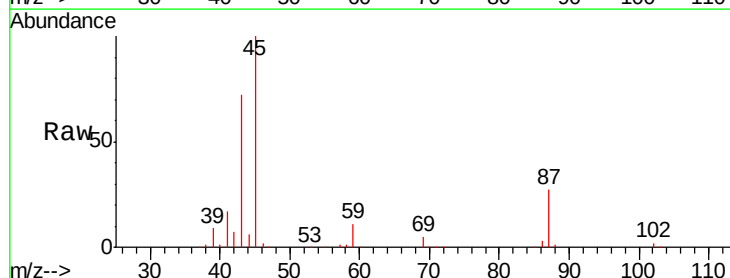
Ion Ratio Lower Upper

45 100

43 71.4 57.8 86.8

87 27.1 21.3 31.9

59 11.5 8.5 12.7

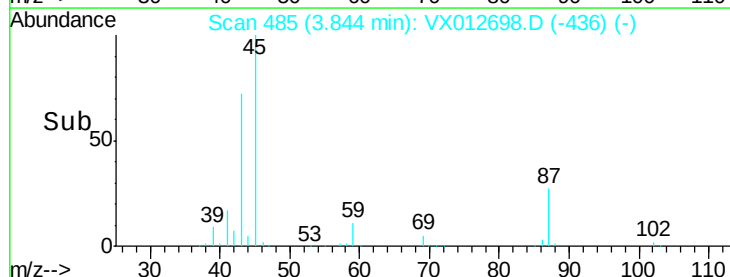
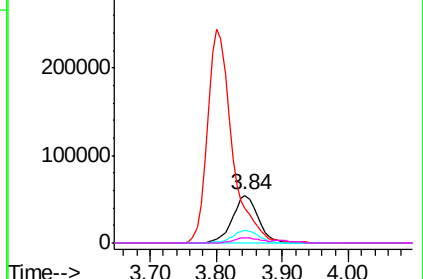


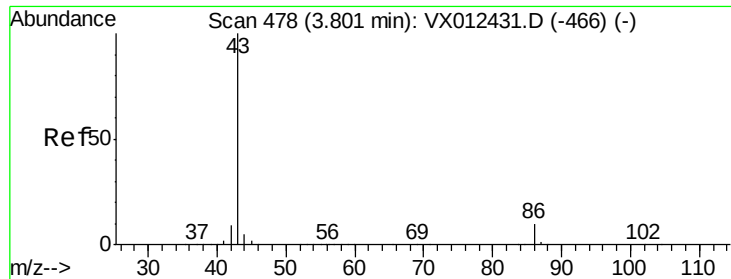
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 93.613 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

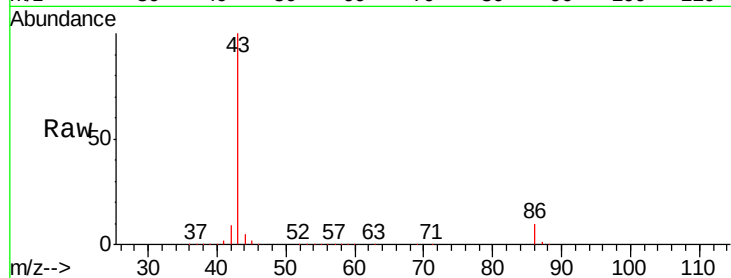
VX0930WBS01

Tgt Ion: 43 Resp: 629217

Ion Ratio Lower Upper

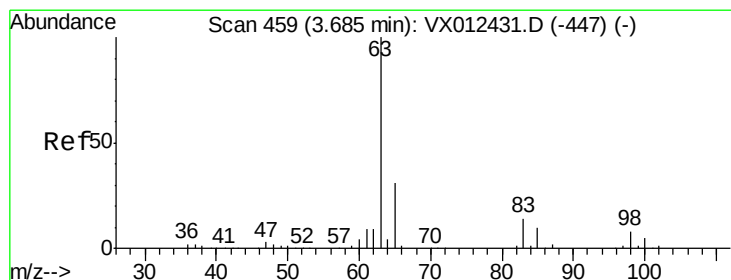
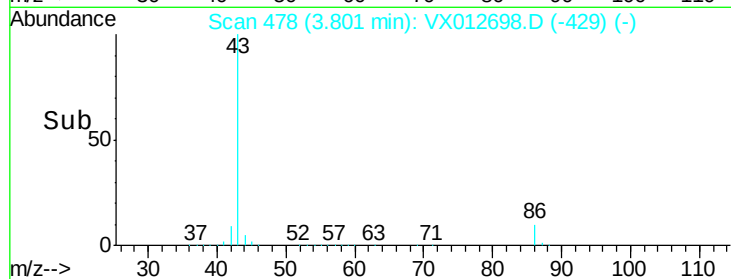
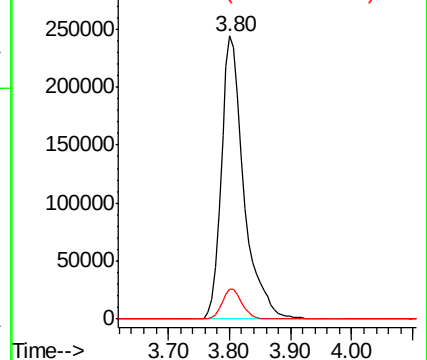
43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.770 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

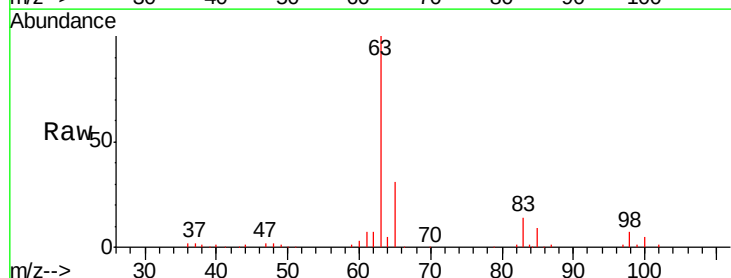
Tgt Ion: 63 Resp: 78200

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

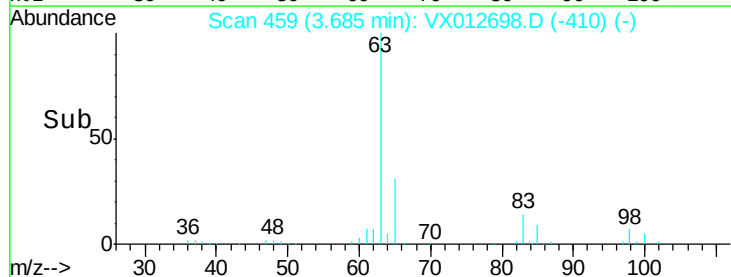
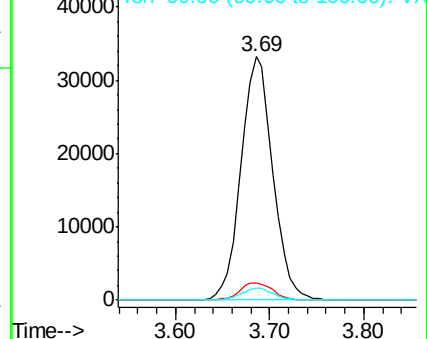
100 4.8 2.3 6.9

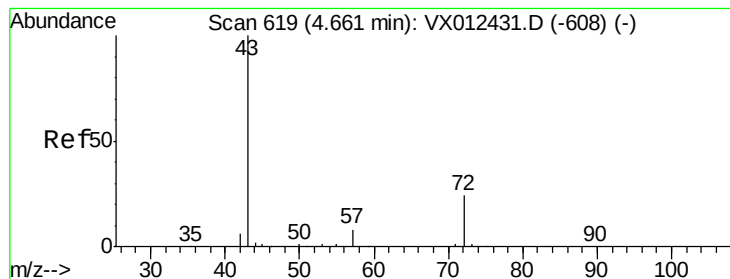


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 89.506 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

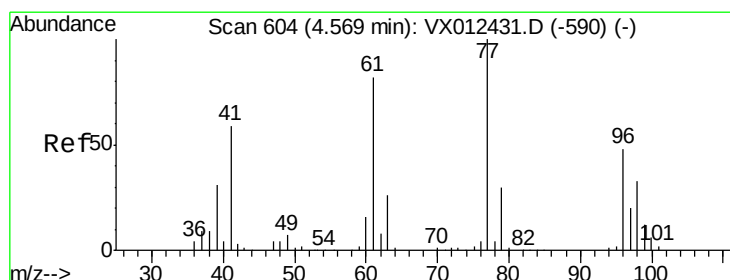
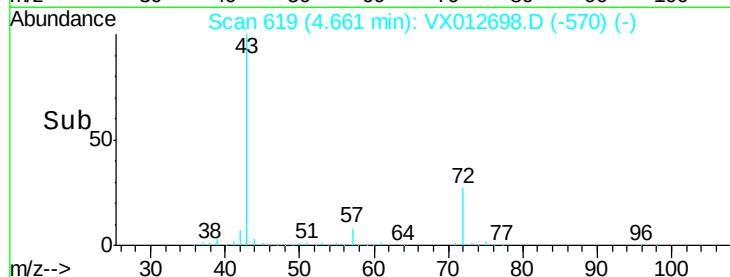
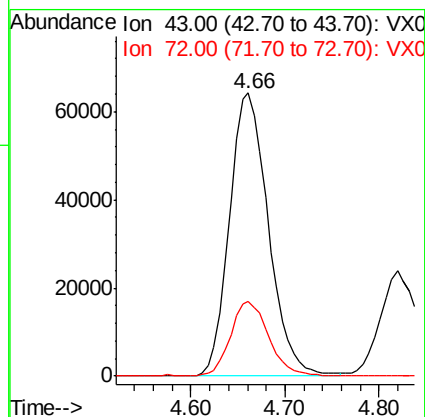
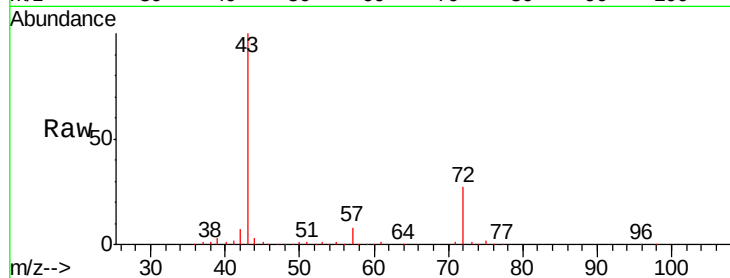
VX0930WBS01

Tgt Ion: 43 Resp: 184072

Ion Ratio Lower Upper

43 100

72 26.5 19.2 28.8



#26

2,2-Dichloropropane

Concen: 18.144 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012698.D

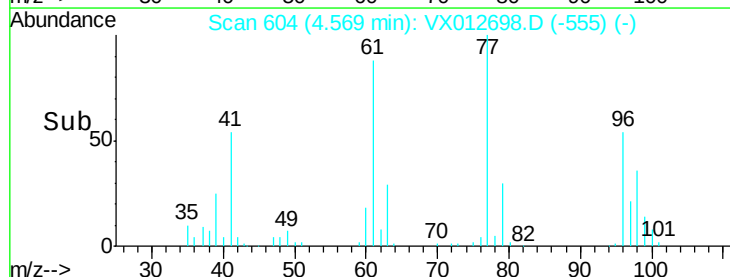
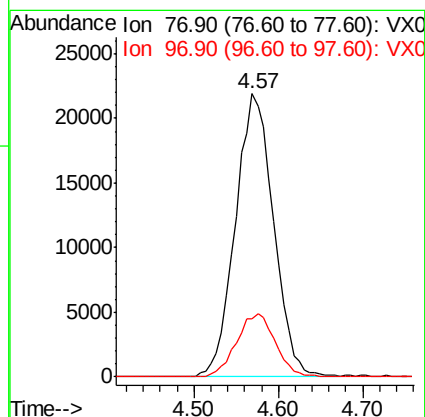
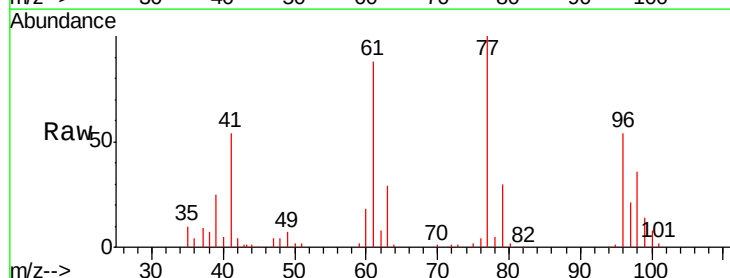
Acq: 30 Sep 2019 12:25

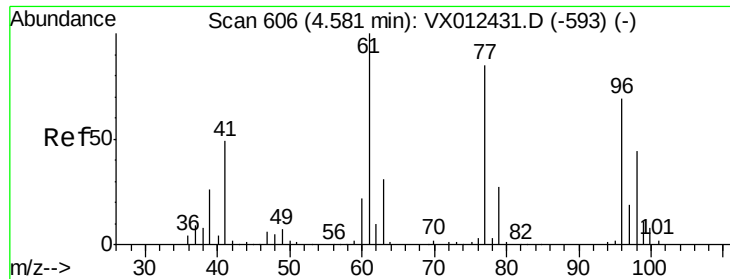
Tgt Ion: 77 Resp: 67231

Ion Ratio Lower Upper

77 100

97 22.7 10.5 31.6



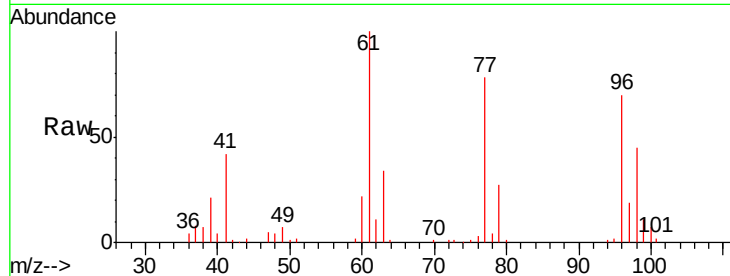


#27

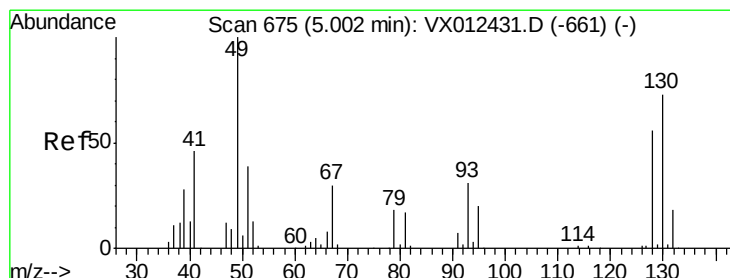
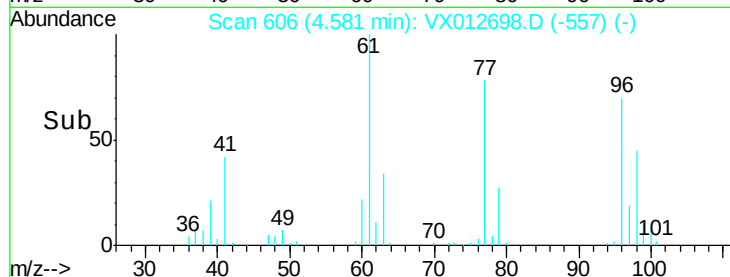
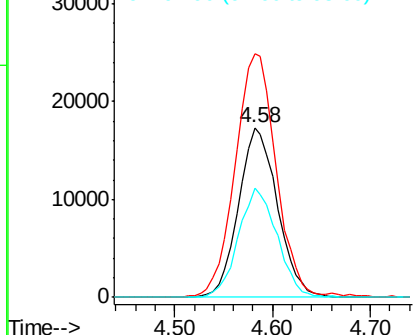
cis-1,2-Dichloroethene
Concen: 18.628 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 96 Resp: 47874
Ion Ratio Lower Upper
96 100
61 151.6 0.0 319.4
98 64.2 0.0 130.6



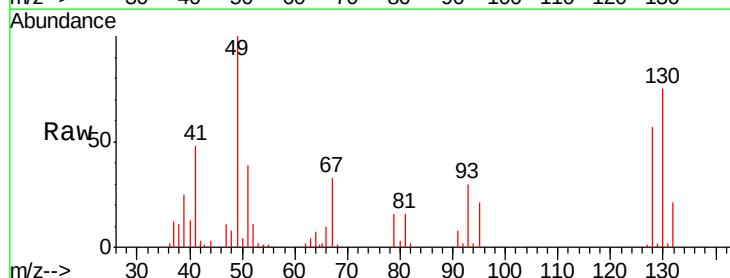
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



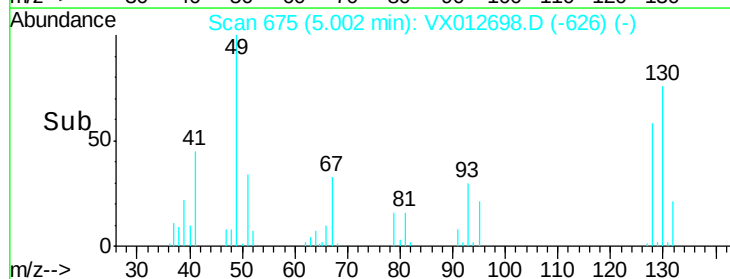
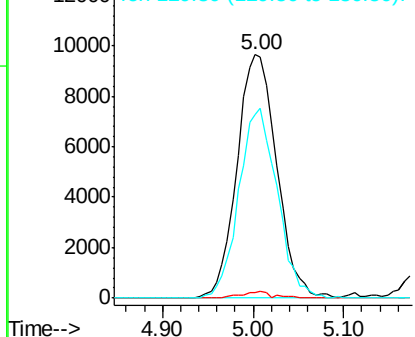
#28

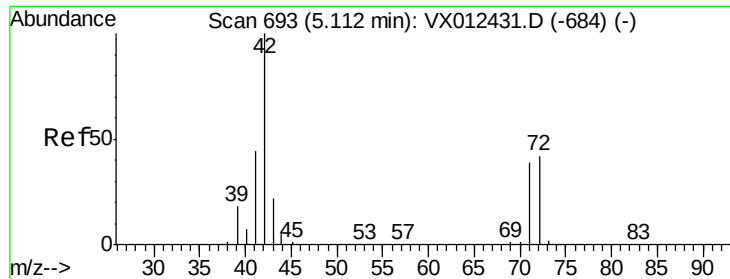
Bromochloromethane
Concen: 19.354 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion: 49 Resp: 29278
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.8
130 75.1 58.2 87.4



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: 93.425 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VX0930WBS01

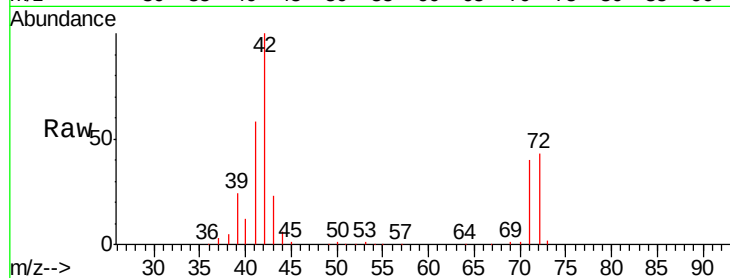
Tgt Ion: 42 Resp: 117105

Ion Ratio Lower Upper

42 100

72 44.1 34.0 51.0

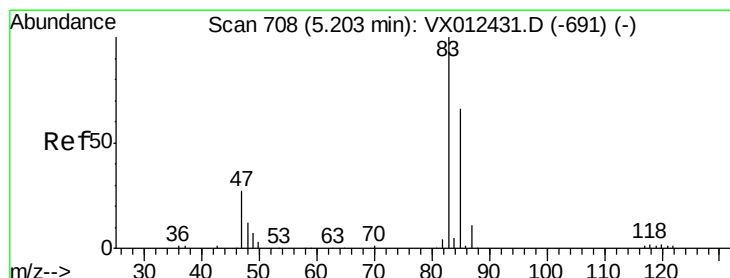
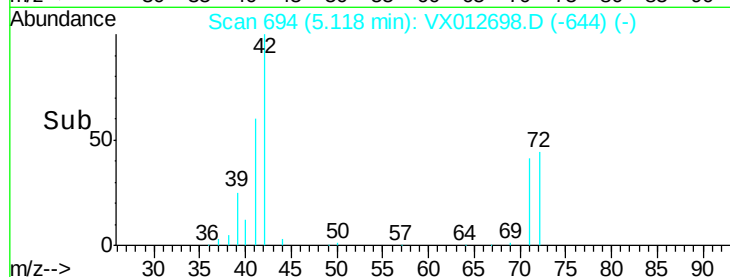
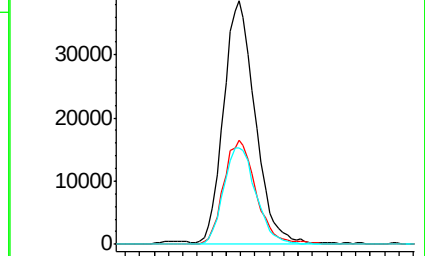
71 40.8 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 18.823 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012698.D

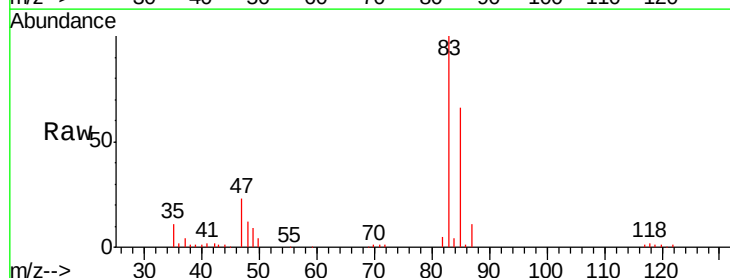
Acq: 30 Sep 2019 12:25

Tgt Ion: 83 Resp: 80232

Ion Ratio Lower Upper

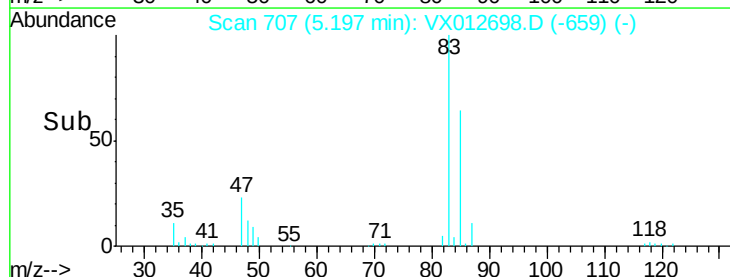
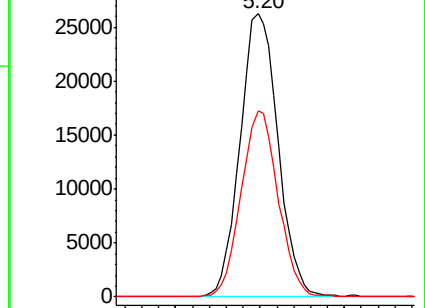
83 100

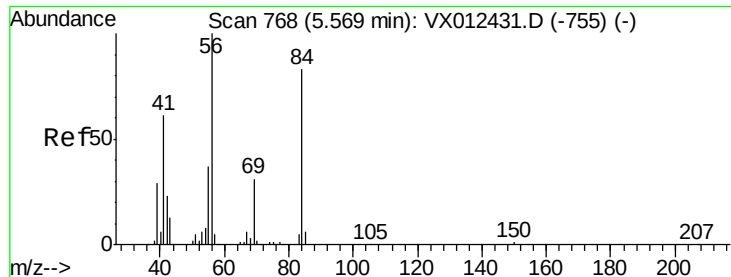
85 65.6 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

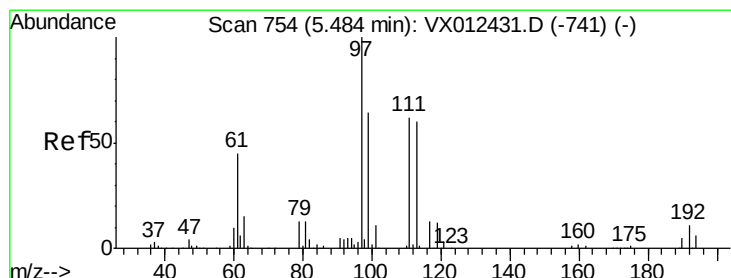
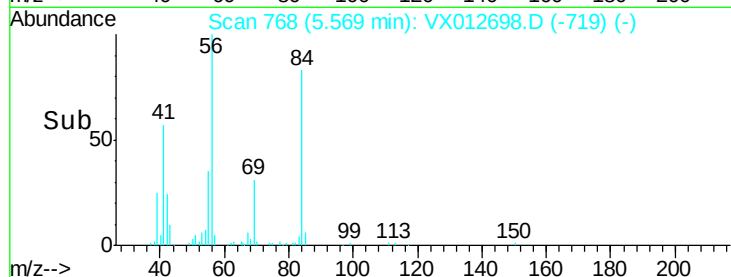
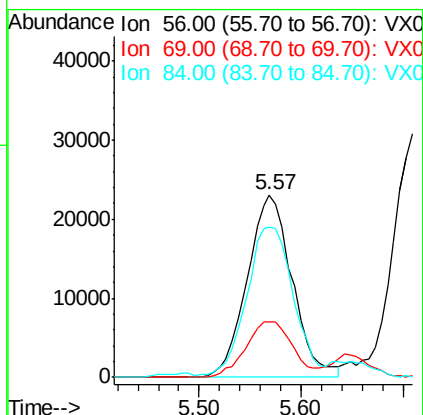
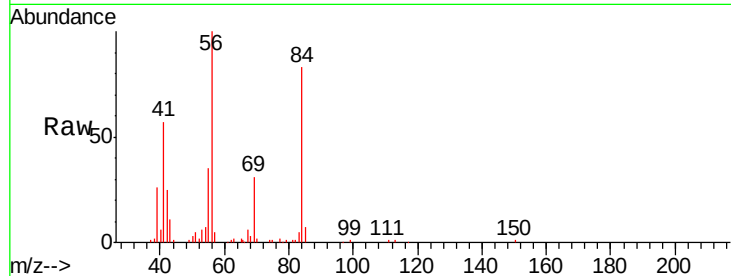




#31
Cyclohexane
Concen: 18.708 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

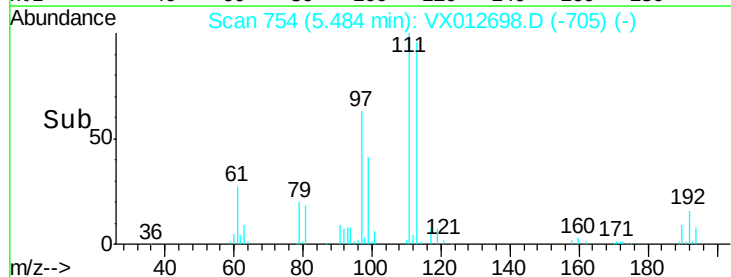
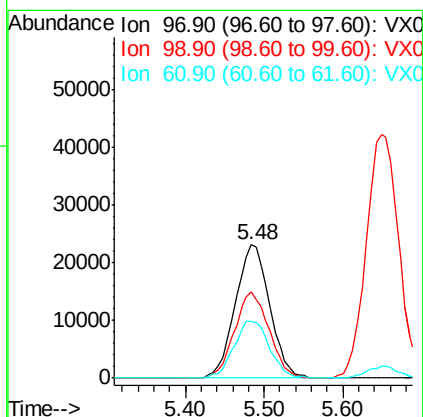
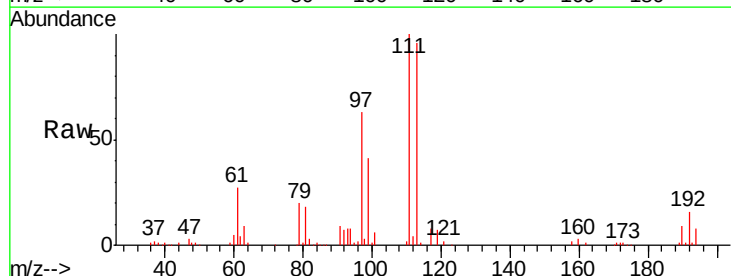
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

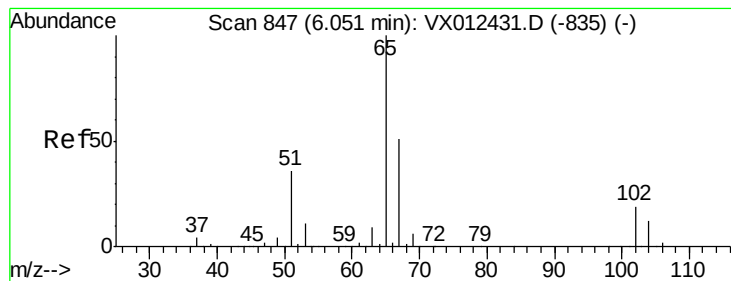
Tgt Ion: 56 Resp: 70512
Ion Ratio Lower Upper
56 100
69 30.5 25.0 37.6
84 80.5 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 18.624 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion: 97 Resp: 70356
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 44.5 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 49.833 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

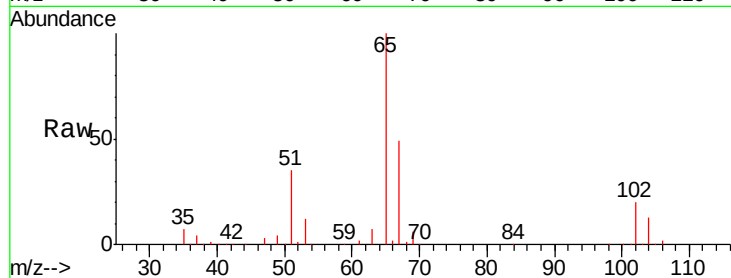
VX0930WBS01

Tgt Ion: 65 Resp: 134937

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.2

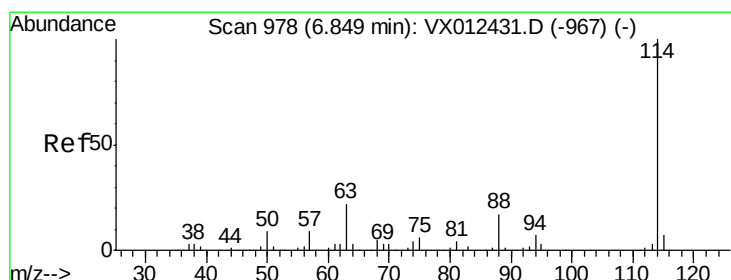
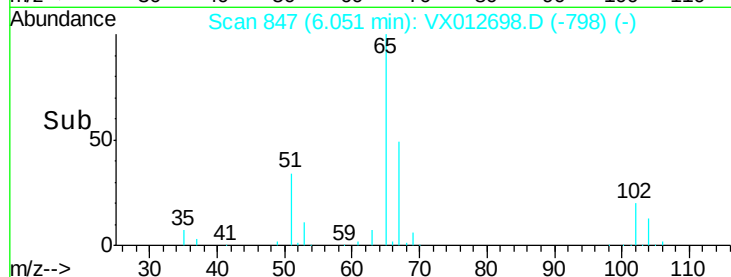


Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

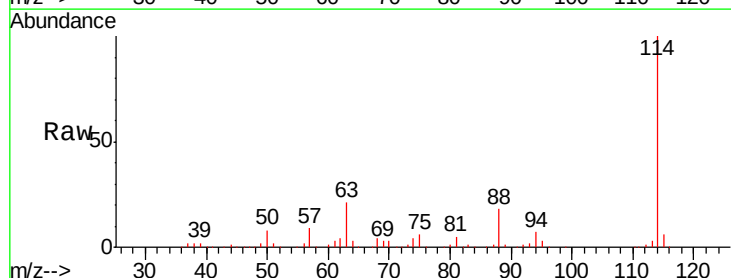
Tgt Ion: 114 Resp: 324284

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

88 17.8 0.0 33.2



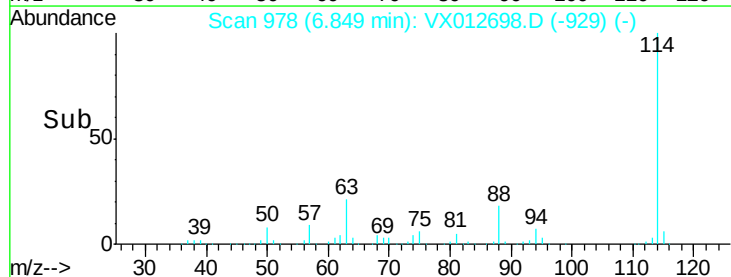
Abundance Ion 113.90 (113.60 to 114.60): V

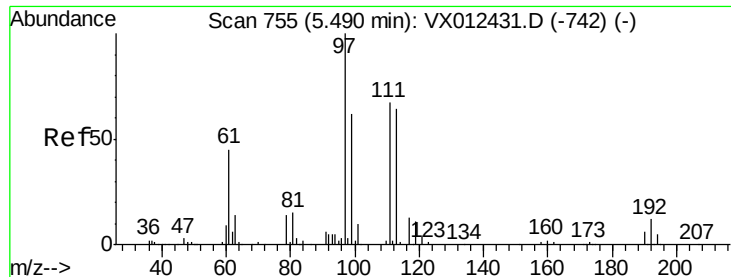
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

Time--> 6.80 6.90





#35

Dibromofluoromethane

Concen: 52.473 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

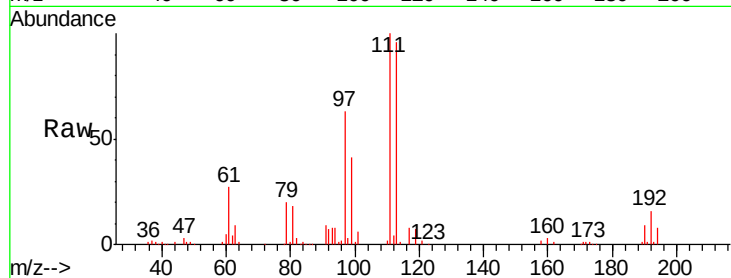
Tgt Ion:113 Resp: 101339

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

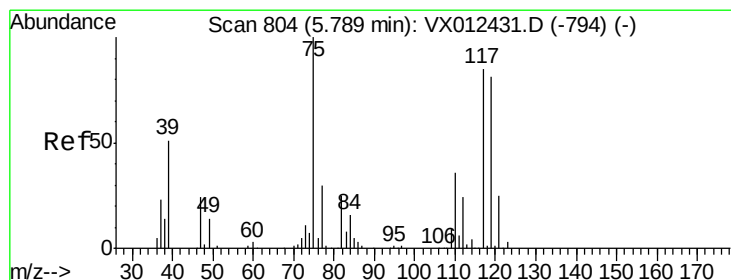
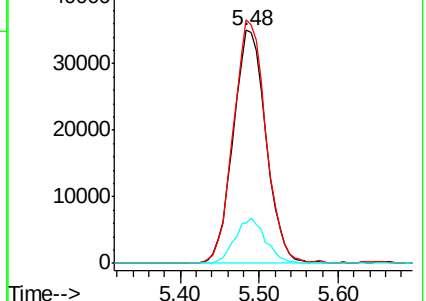
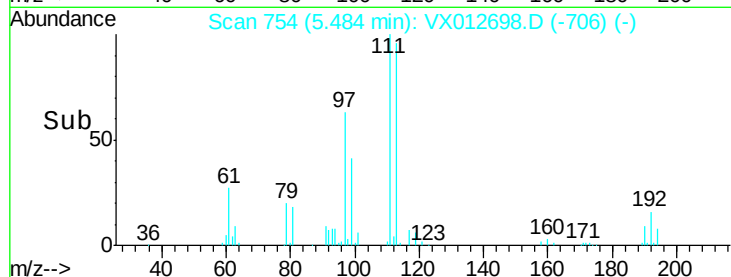
192 18.0 14.4 21.6



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: 18.959 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

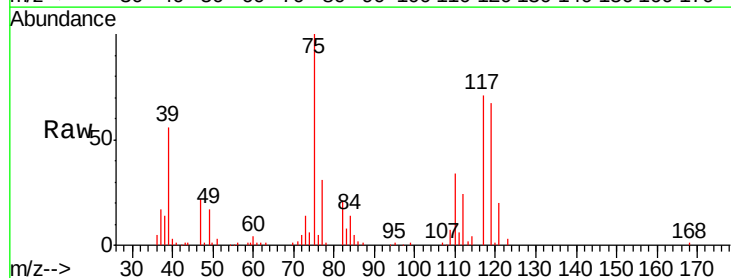
Tgt Ion: 75 Resp: 59262

Ion Ratio Lower Upper

75 100

110 34.4 16.7 50.0

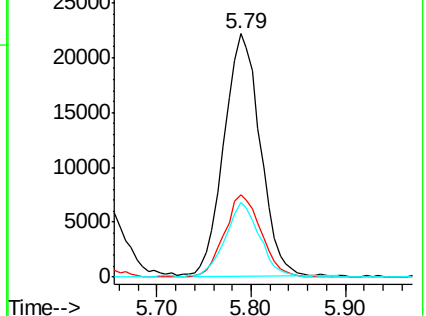
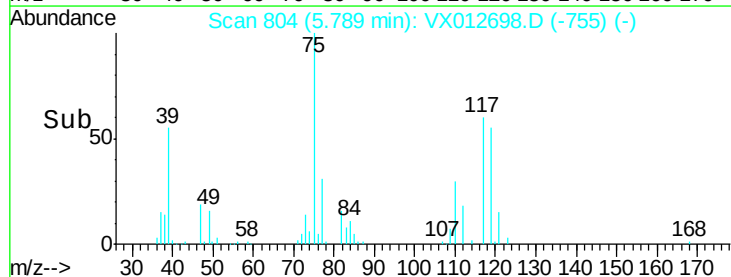
77 29.4 24.2 36.2

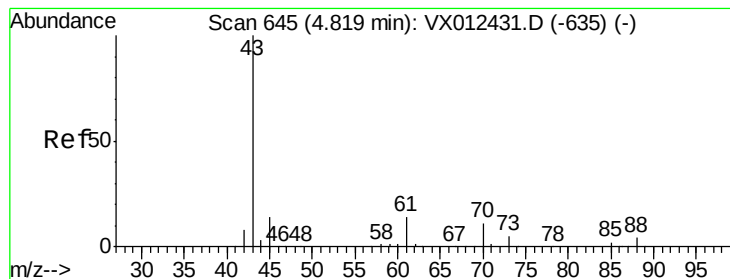


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 18.629 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

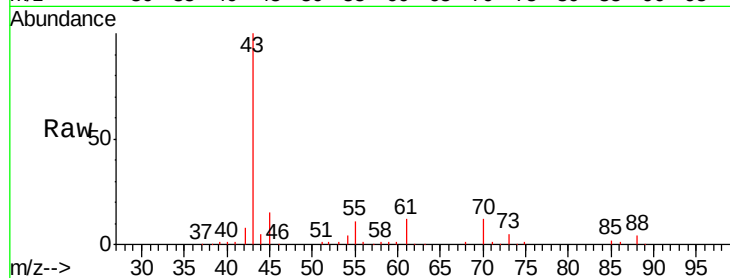
Tgt Ion: 43 Resp: 68077

Ion Ratio Lower Upper

43 100

61 13.9 10.2 15.4

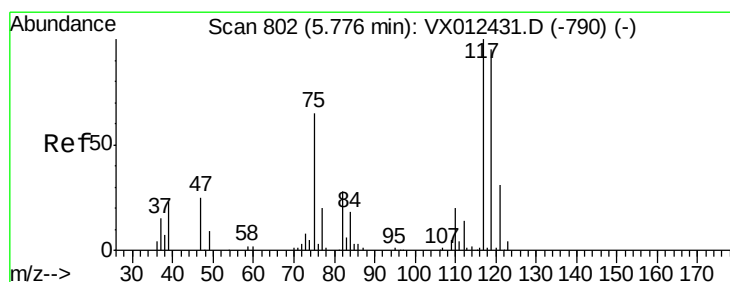
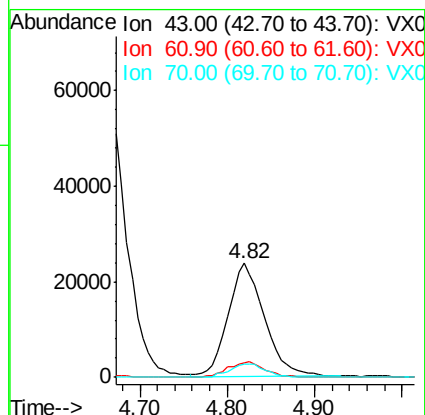
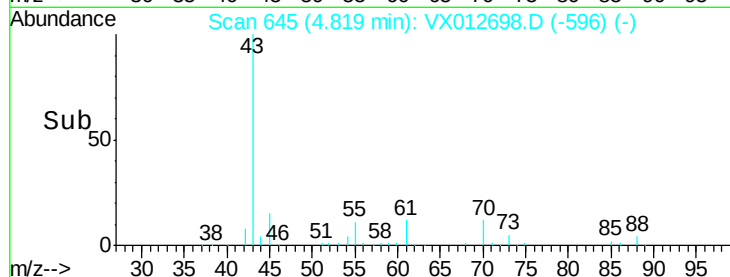
70 12.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 18.847 ug/l

RT: 5.78 min Scan# 802

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

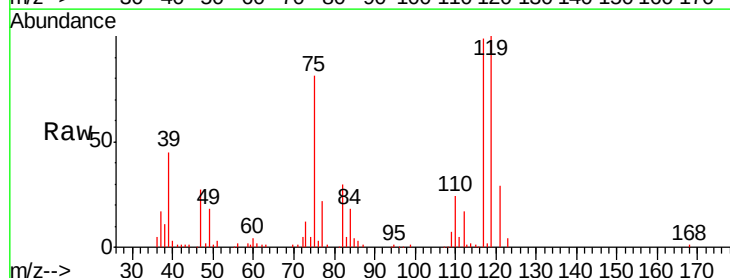
Tgt Ion: 117 Resp: 59844

Ion Ratio Lower Upper

117 100

119 101.0 75.7 113.5

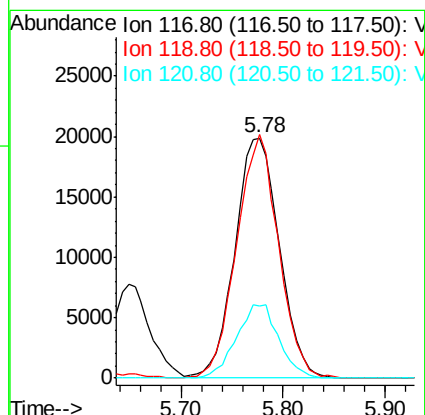
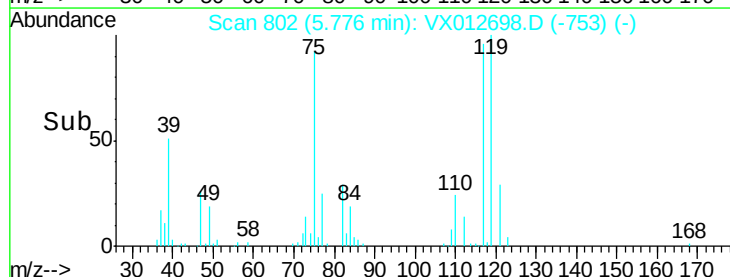
121 29.8 24.2 36.4

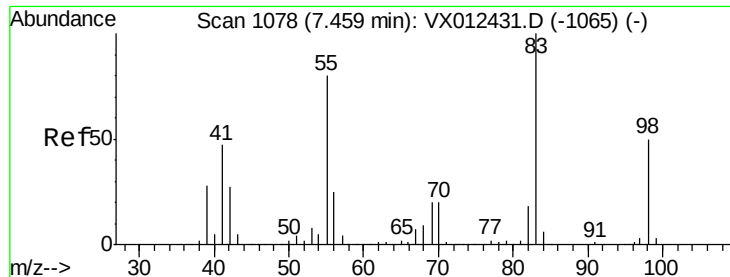


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

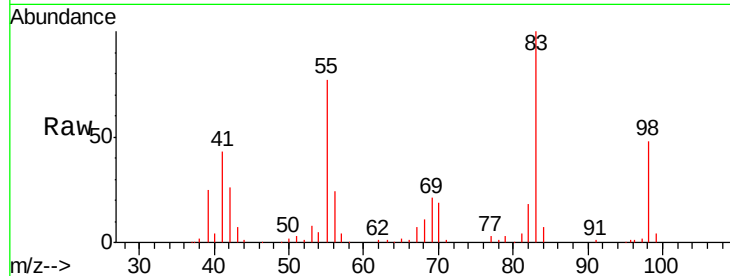




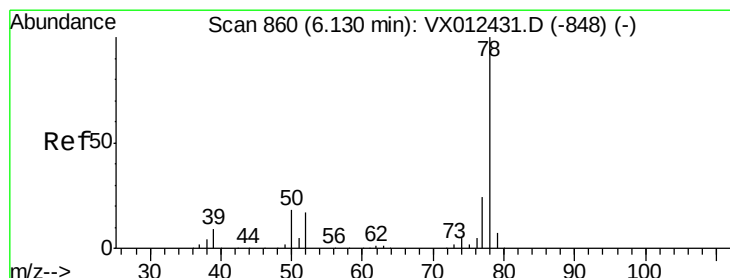
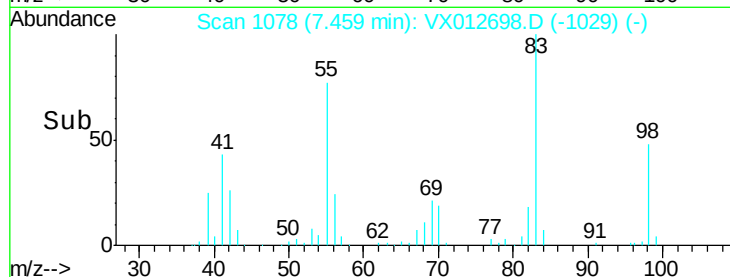
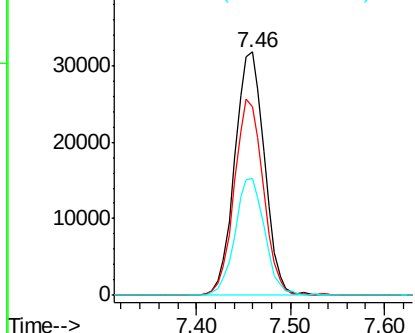
#39
Methylcyclohexane
Concen: 18.618 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion: 83 Resp: 70059
Ion Ratio Lower Upper
83 100
55 77.2 64.4 96.6
98 48.1 40.1 60.1

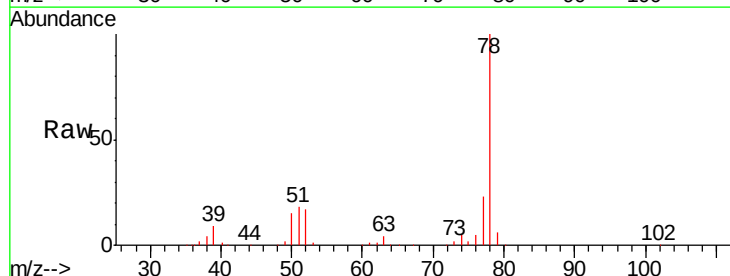


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

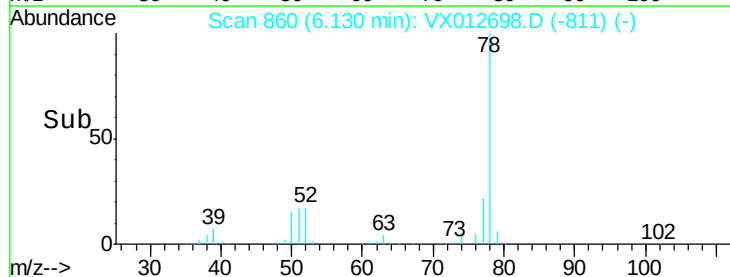
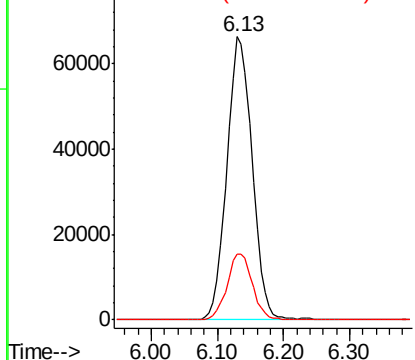


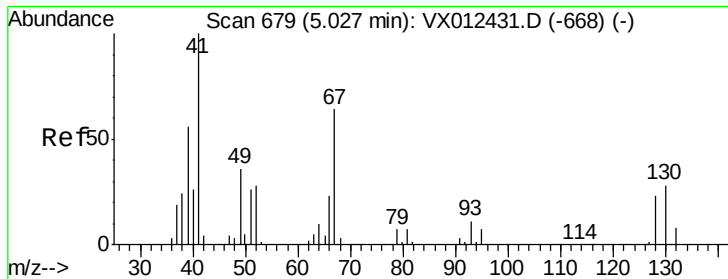
#40
Benzene
Concen: 19.143 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion: 78 Resp: 176051
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8



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





#41

Methacrylonitrile

Concen: 17.979 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VX0930WBS01

Tgt Ion: 41 Resp: 36863

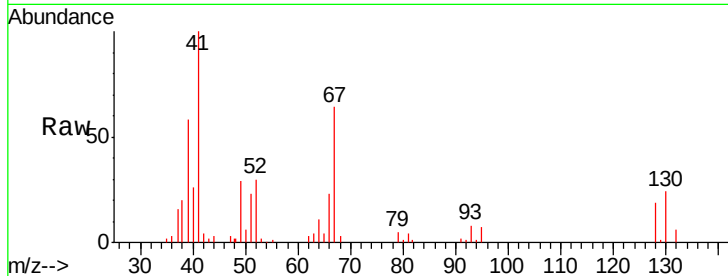
Ion Ratio Lower Upper

41 100

39 56.9 46.0 69.0

67 71.4 52.2 78.2

52 30.3 22.7 34.1

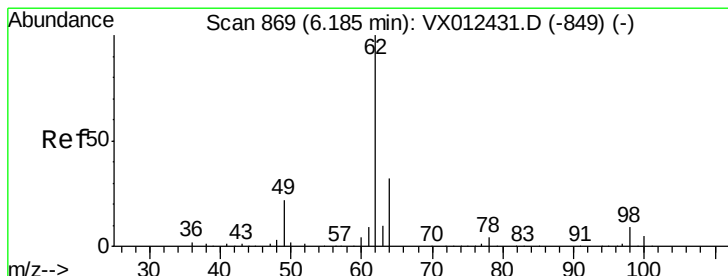
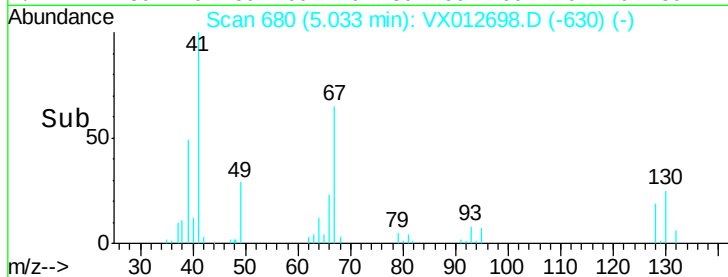
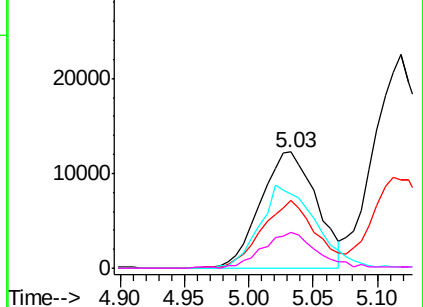


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 18.898 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012698.D

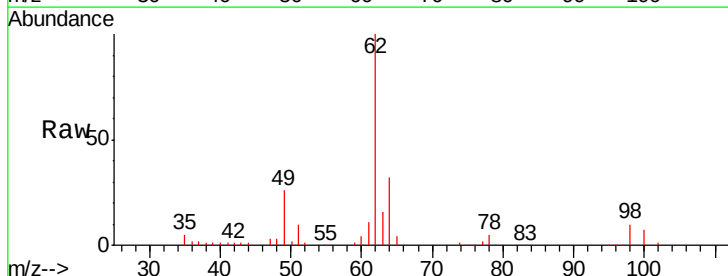
Acq: 30 Sep 2019 12:25

Tgt Ion: 62 Resp: 66000

Ion Ratio Lower Upper

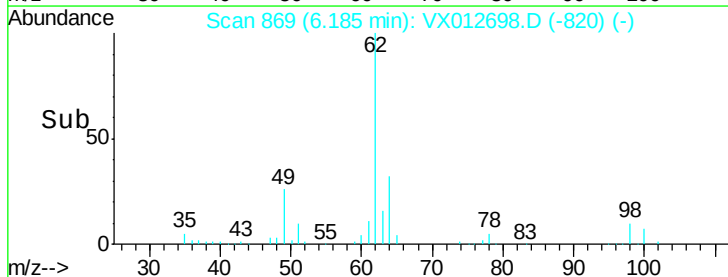
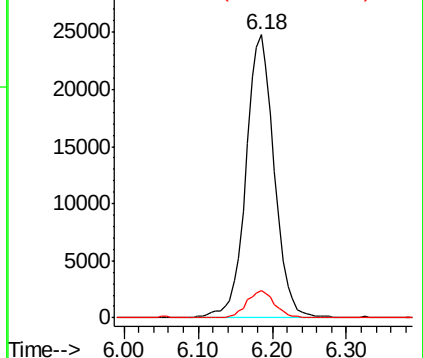
62 100

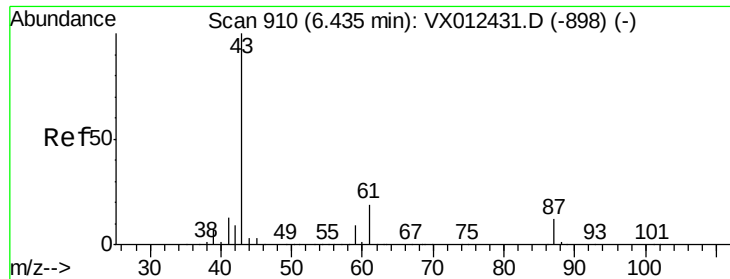
98 9.5 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.365 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

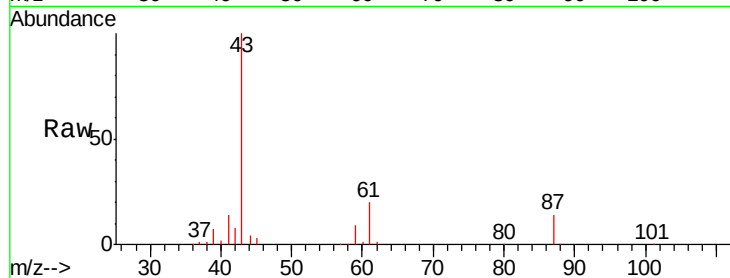
Tgt Ion: 43 Resp: 112233

Ion Ratio Lower Upper

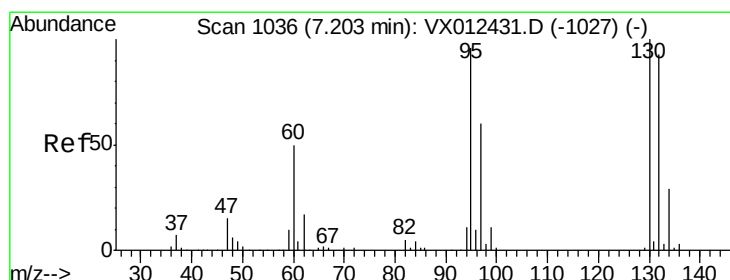
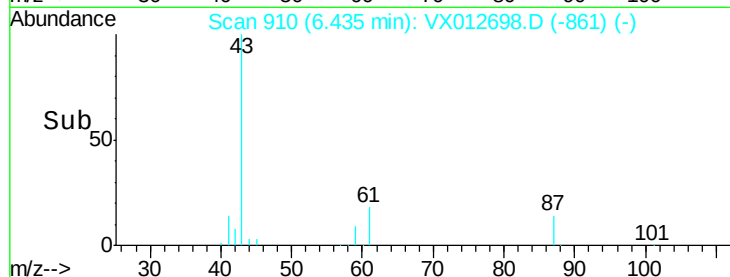
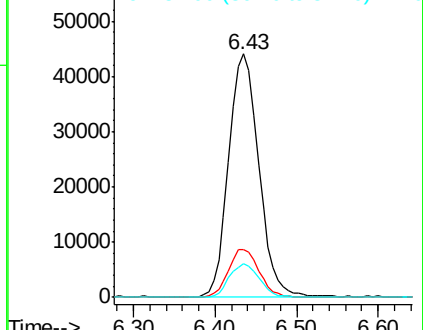
43 100

61 20.2 15.4 23.0

87 13.7 9.8 14.8



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



#44

Trichloroethene

Concen: 19.176 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012698.D

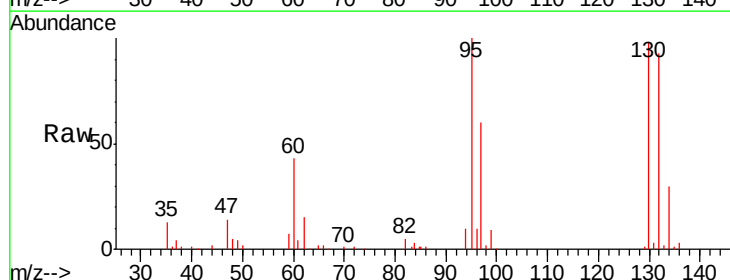
Acq: 30 Sep 2019 12:25

Tgt Ion: 130 Resp: 45085

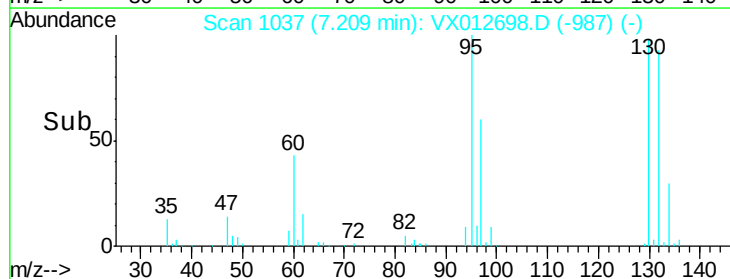
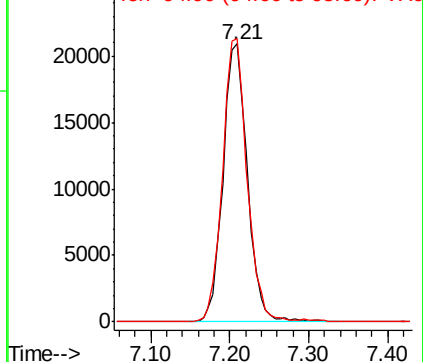
Ion Ratio Lower Upper

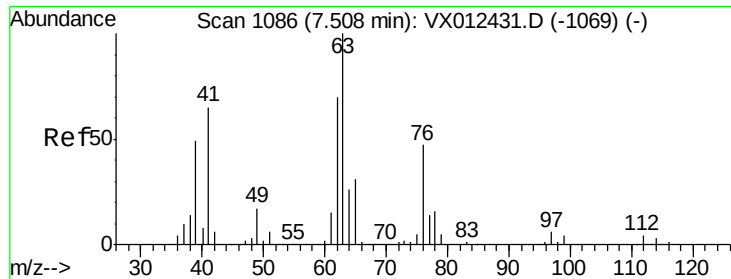
130 100

95 101.8 0.0 193.0



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

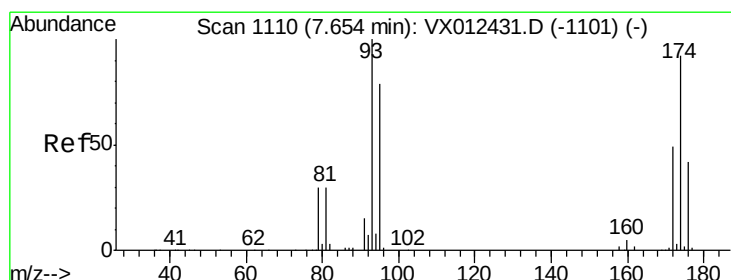
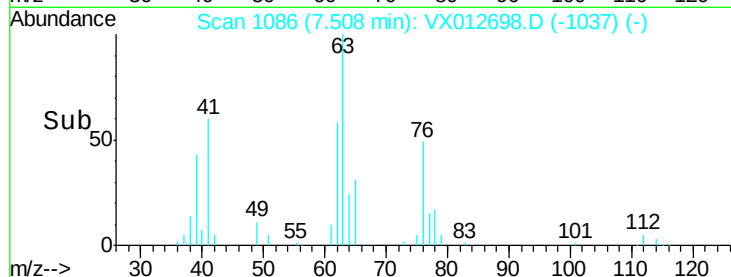
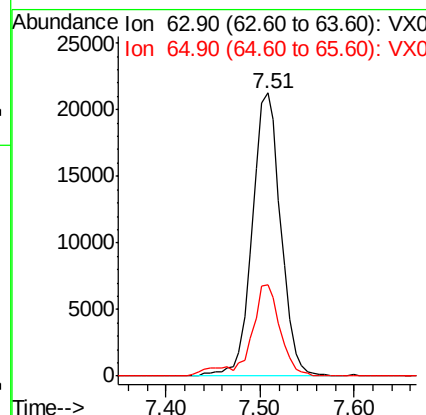
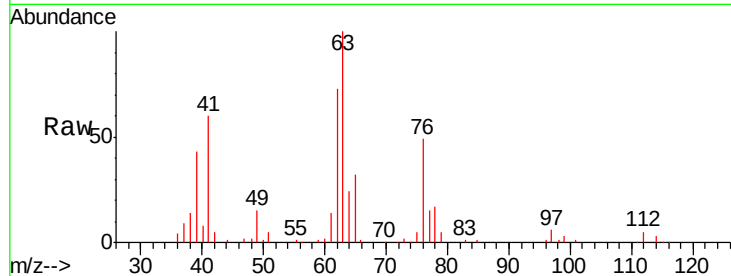




#45
 1,2-Dichloropropane
 Concen: 19.200 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

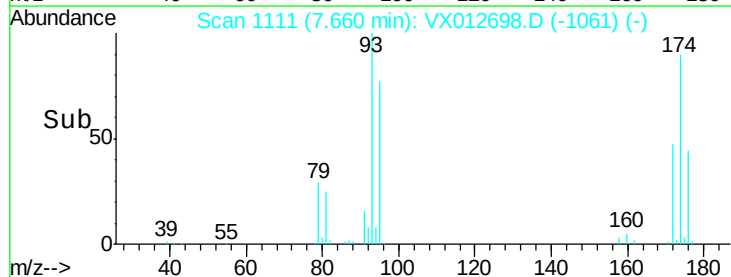
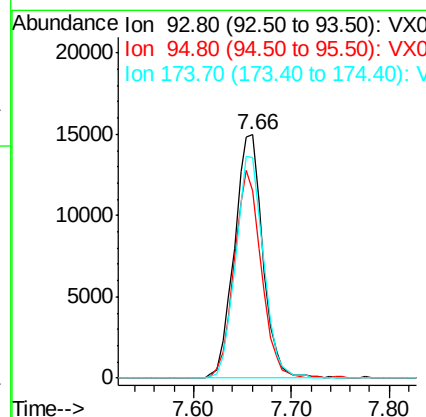
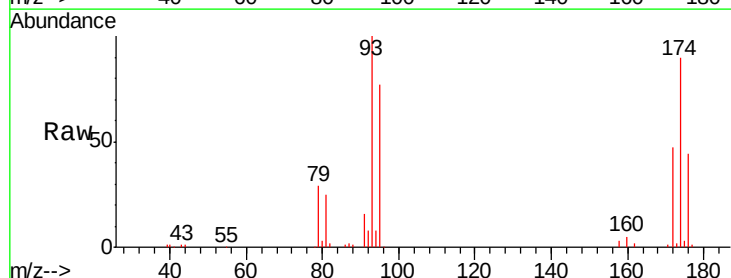
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

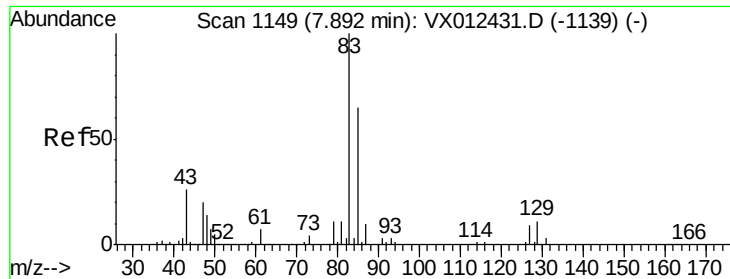
Tgt Ion: 63 Resp: 45209
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.6



#46
 Dibromomethane
 Concen: 18.784 ug/l
 RT: 7.66 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 93 Resp: 30113
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.6 100.0
 174 89.5 77.4 116.0





#47

Bromodichloromethane

Concen: 18.674 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

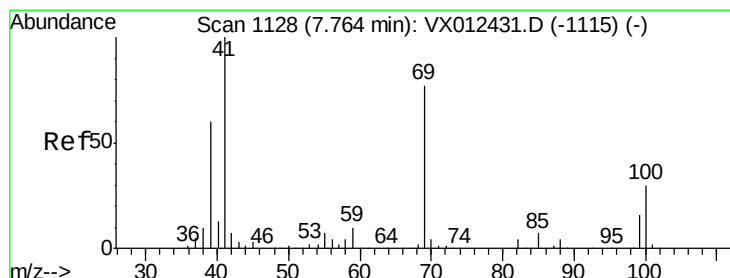
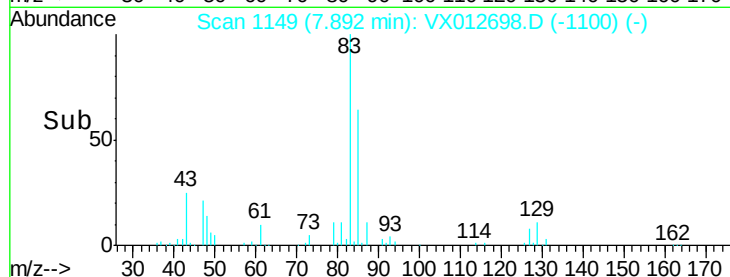
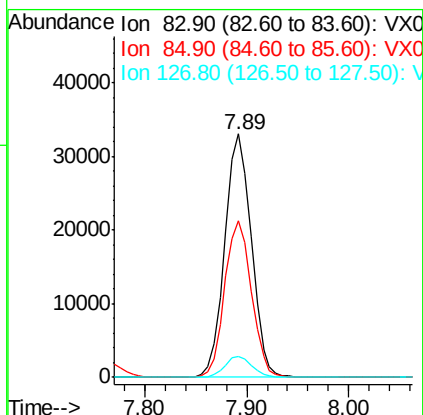
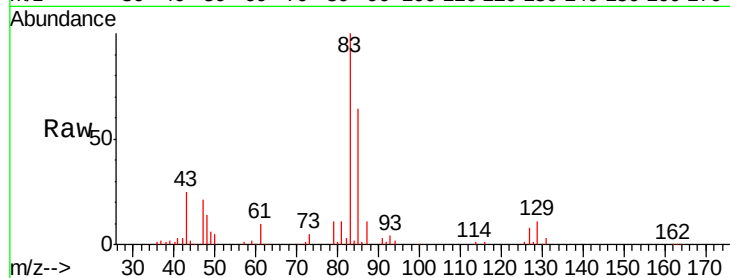
Tgt Ion: 83 Resp: 59834

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

127 8.4 7.3 10.9



#48

Methyl methacrylate

Concen: 18.482 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

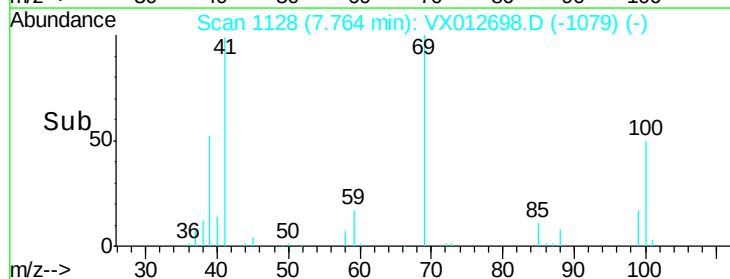
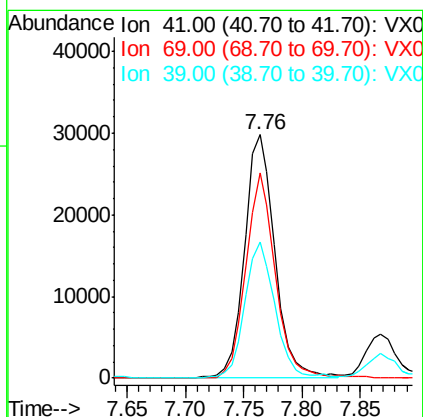
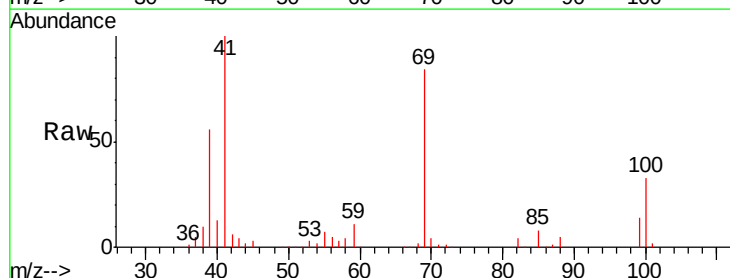
Tgt Ion: 41 Resp: 54159

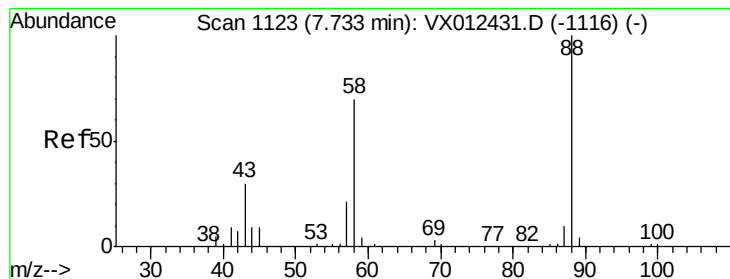
Ion Ratio Lower Upper

41 100

69 82.5 59.9 89.9

39 56.0 47.8 71.6





#49

1,4-Dioxane

Concen: 393.898 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

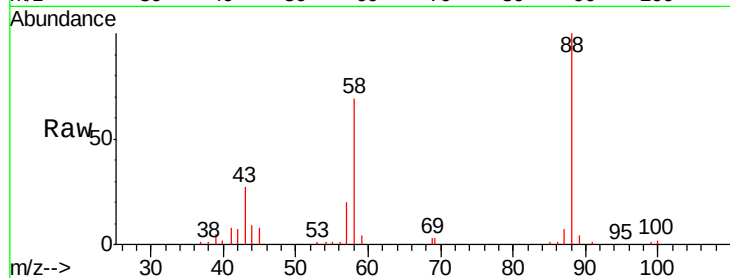
Tgt Ion: 88 Resp: 26180

Ion Ratio Lower Upper

88 100

43 32.5 29.4 44.0

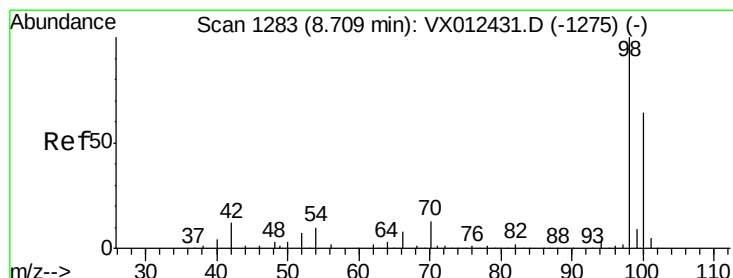
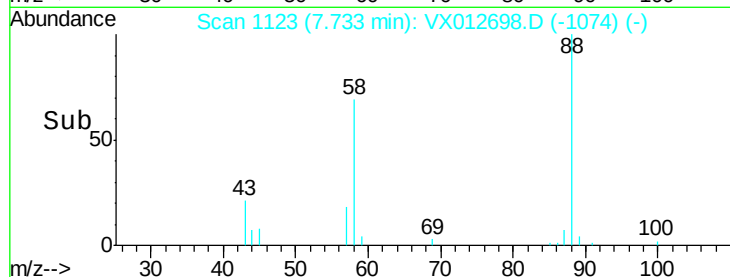
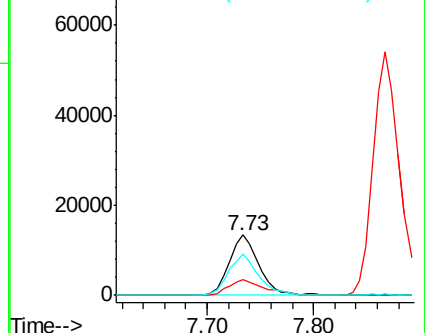
58 69.7 57.5 86.3



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.203 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012698.D

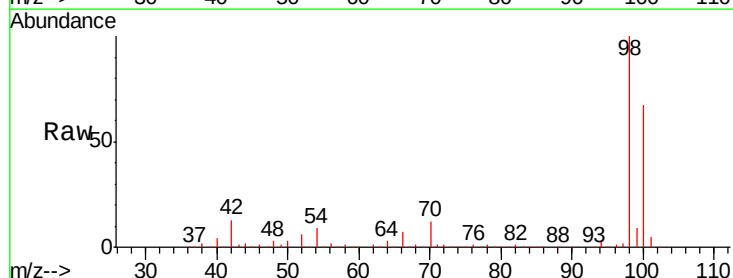
Acq: 30 Sep 2019 12:25

Tgt Ion: 98 Resp: 380813

Ion Ratio Lower Upper

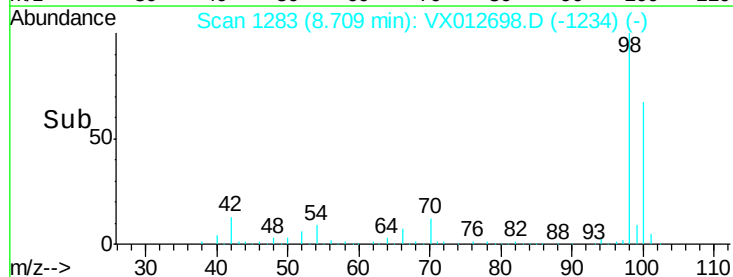
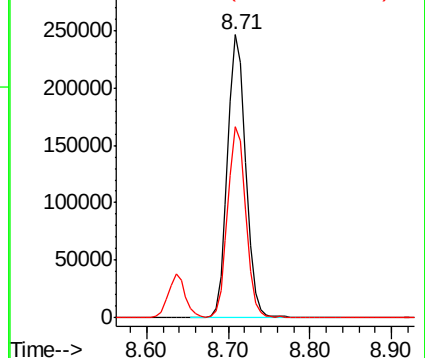
98 100

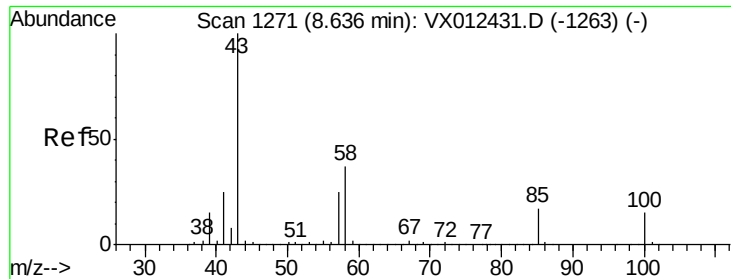
100 67.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 94.491 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

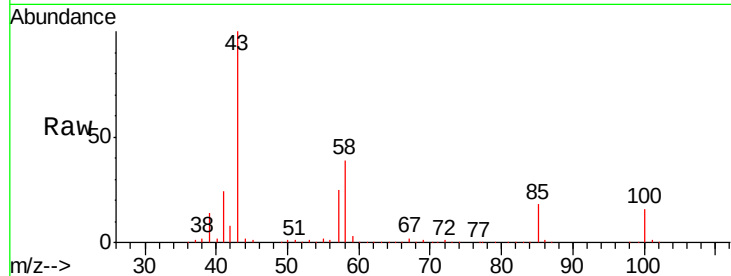
VX0930WBS01

Tgt Ion: 43 Resp: 356452

Ion Ratio Lower Upper

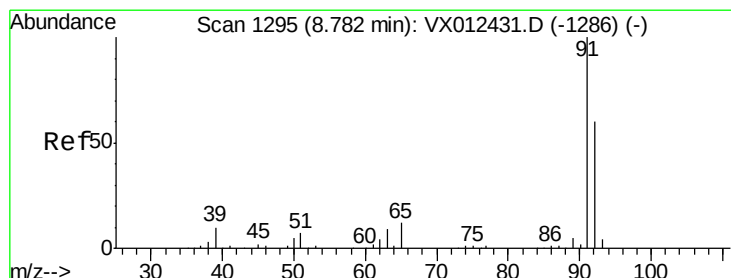
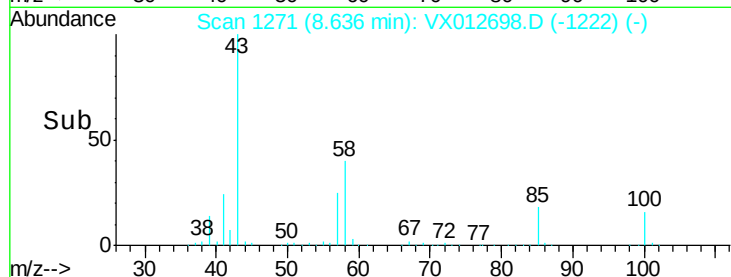
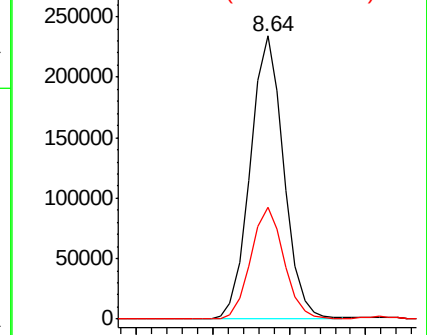
43 100

58 39.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.288 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012698.D

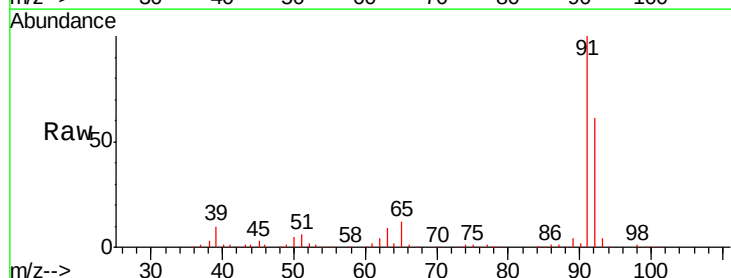
Acq: 30 Sep 2019 12:25

Tgt Ion: 92 Resp: 111491

Ion Ratio Lower Upper

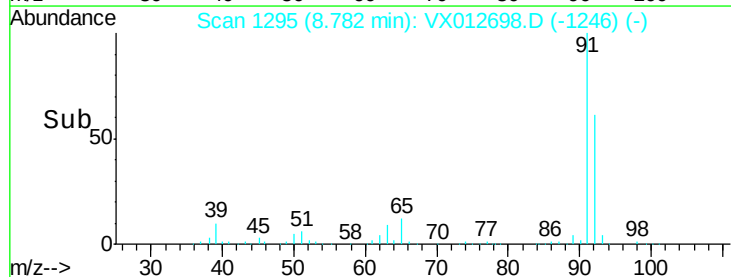
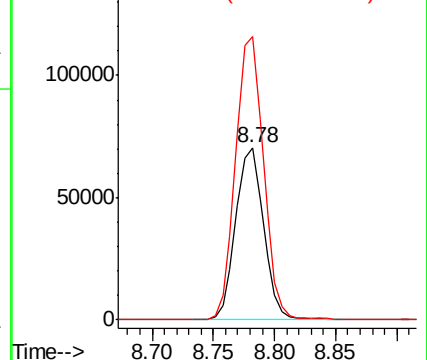
92 100

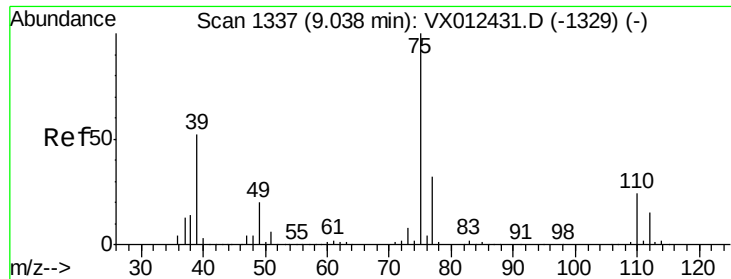
91 165.8 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.826 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

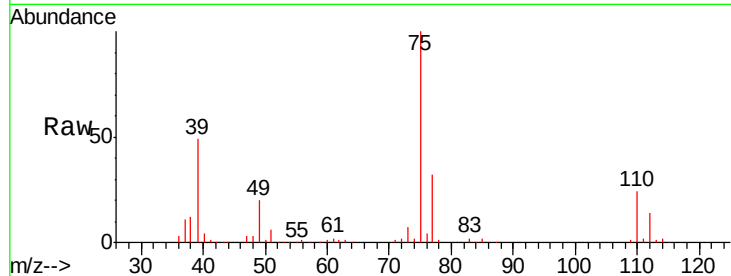
VX0930WBS01

Tgt Ion: 75 Resp: 66738

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

50000

40000

30000

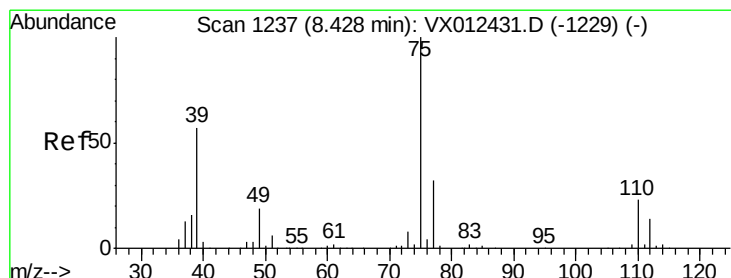
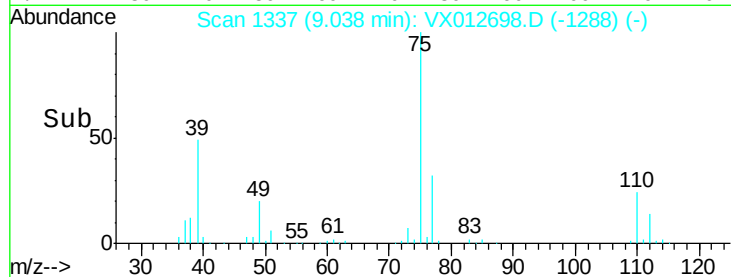
20000

10000

0

Time-->

9.00 9.10



#54

cis-1,3-Dichloropropene

Concen: 18.709 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

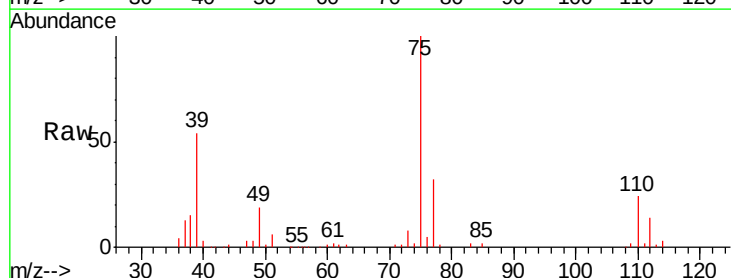
Tgt Ion: 75 Resp: 72417

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

39 54.3 45.5 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

60000

50000

40000

30000

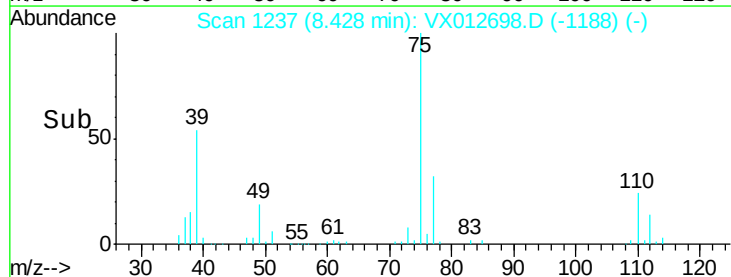
20000

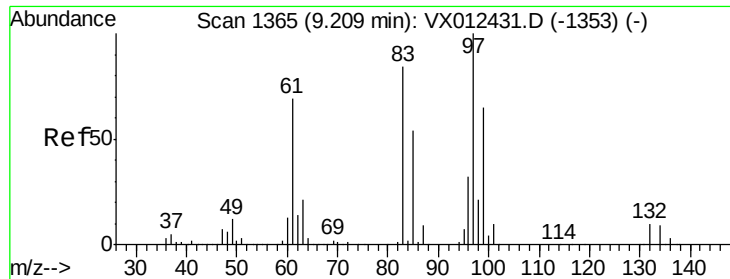
10000

0

Time-->

8.35 8.40 8.45 8.50 8.55

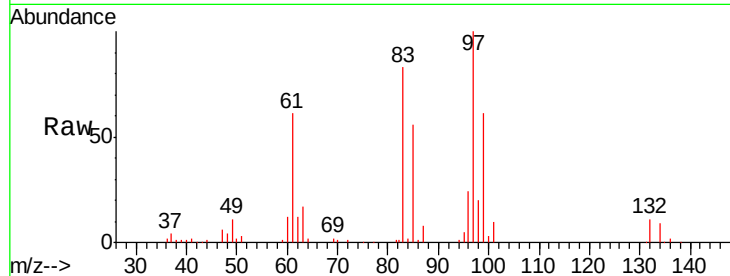




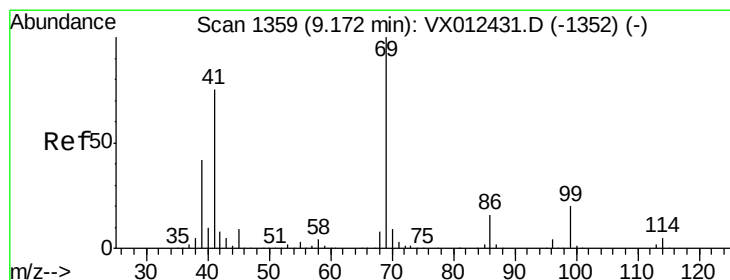
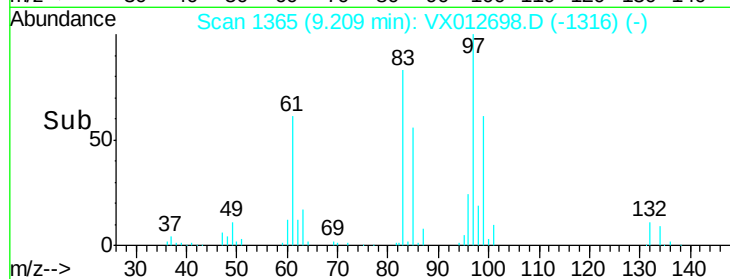
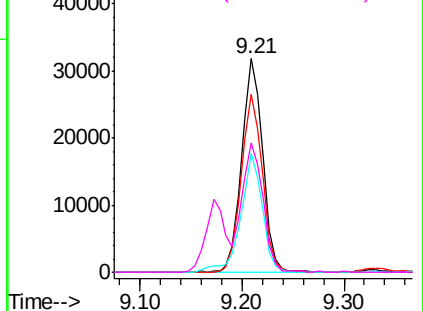
#55
 1,1,2-Trichloroethane
 Concen: 19.619 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Tgt Ion:	97	Resp:	45087
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.4	101.2
85	55.7	43.5	65.3
99	60.6	51.8	77.8

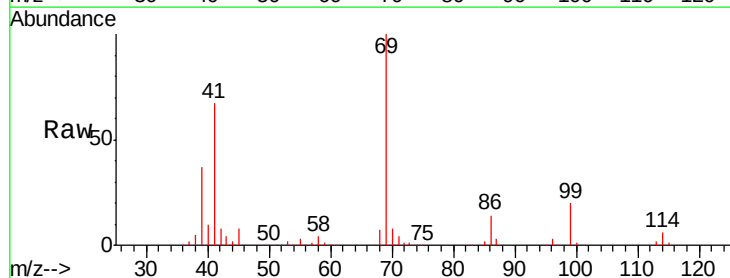


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

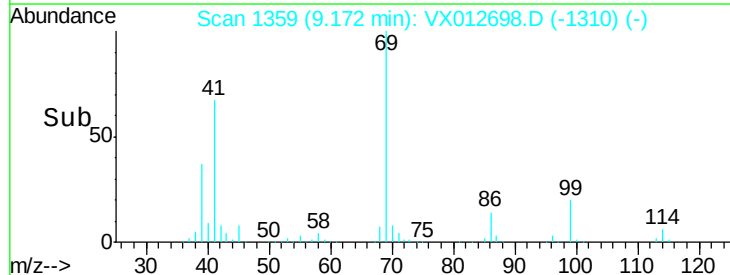
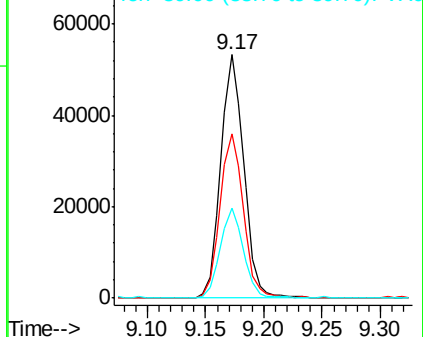


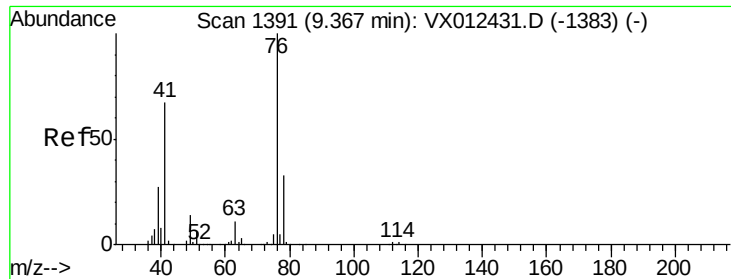
#56
 Ethyl methacrylate
 Concen: 18.919 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion:	69	Resp:	73043
Ion	Ratio	Lower	Upper
69	100		
41	68.0	58.4	87.6
39	37.2	33.4	50.0



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

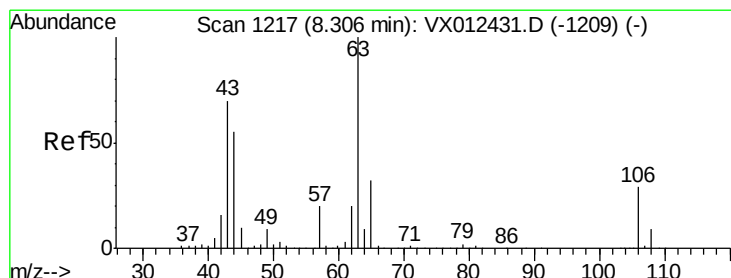
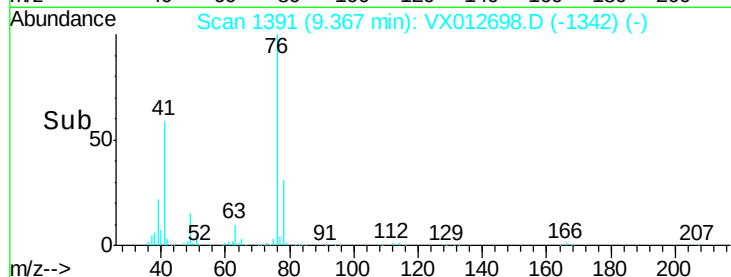
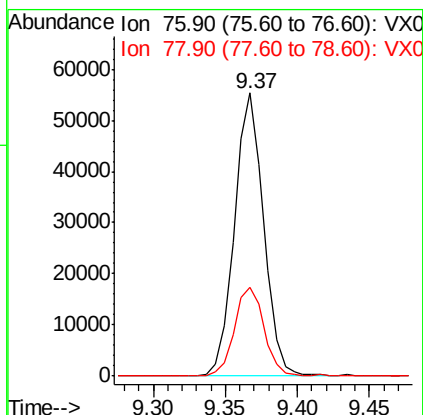
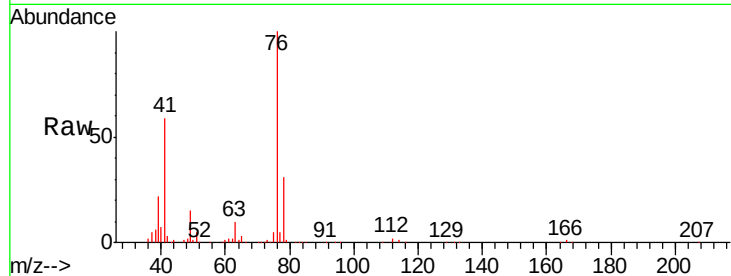




#57
 1,3-Dichloropropane
 Concen: 19.419 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

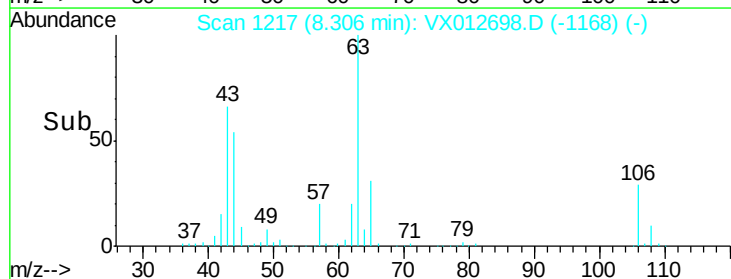
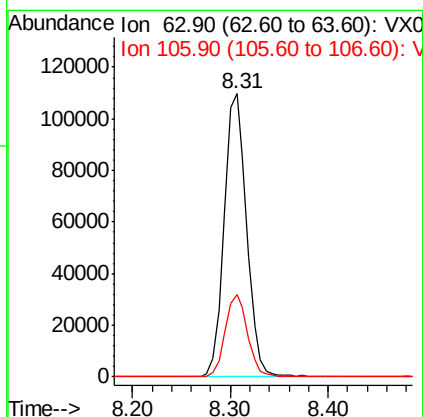
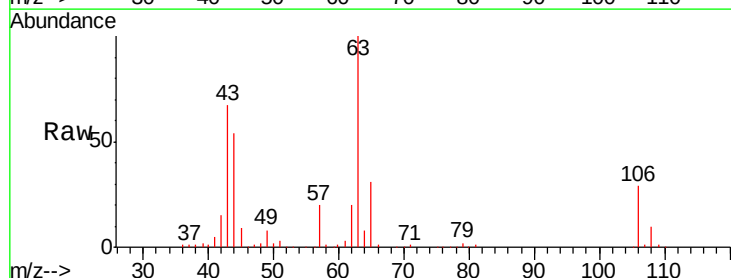
Instrument :
 MSVOA_X
 ClientSampled :
 VX0930WBS01

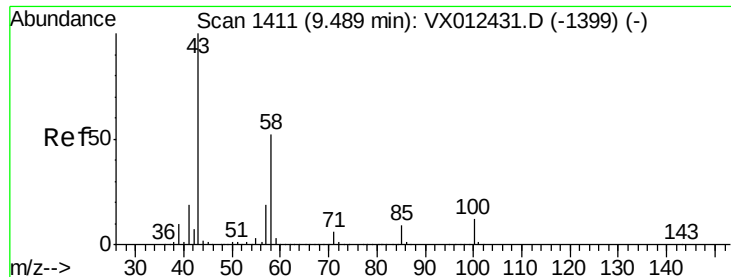
Tgt Ion: 76 Resp: 78102
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.739 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 63 Resp: 174581
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.8 35.6

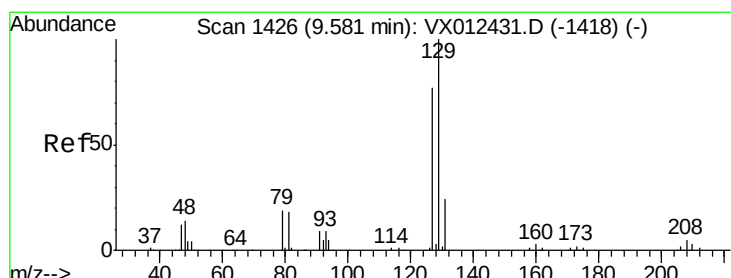
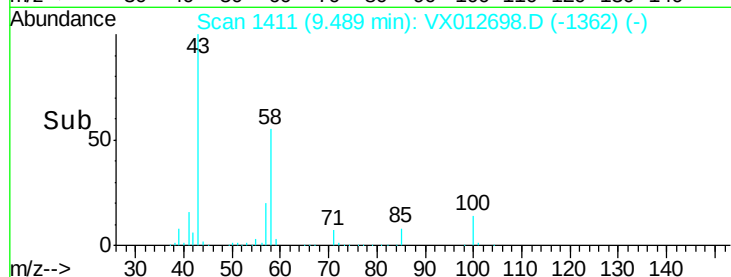
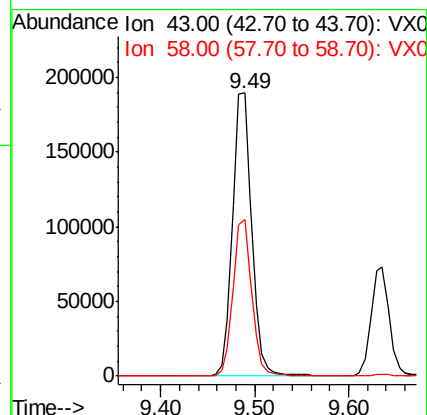
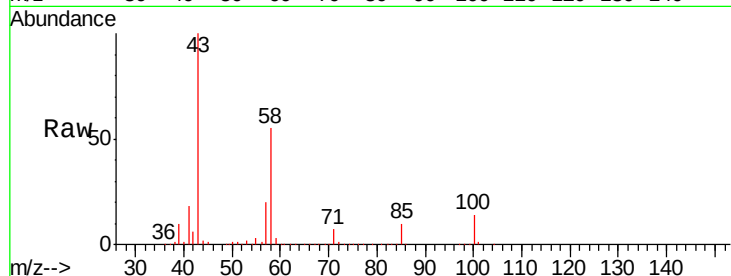




#59
2-Hexanone
Concen: 93.394 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

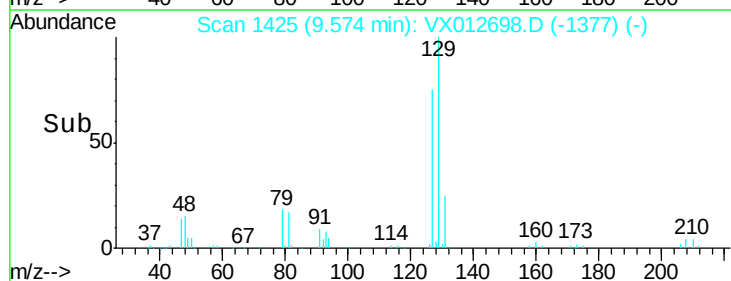
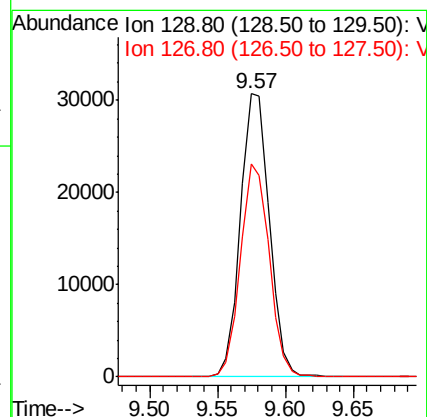
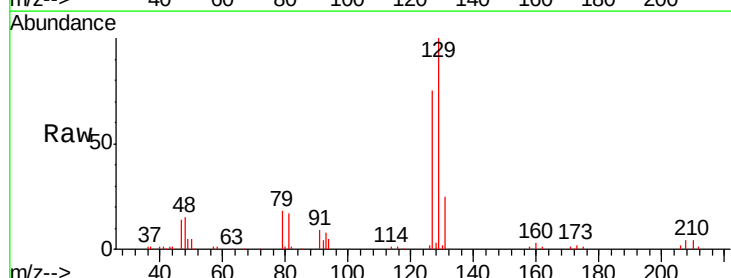
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

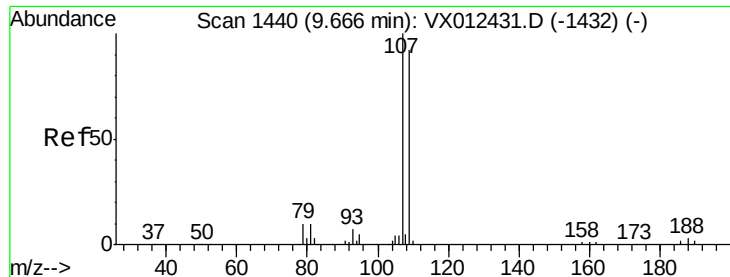
Tgt Ion: 43 Resp: 269673
Ion Ratio Lower Upper
43 100
58 54.2 25.7 77.1



#60
Dibromochloromethane
Concen: 19.605 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion: 129 Resp: 45608
Ion Ratio Lower Upper
129 100
127 75.0 38.9 116.6

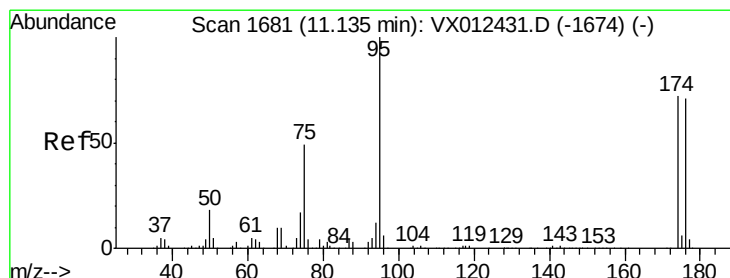
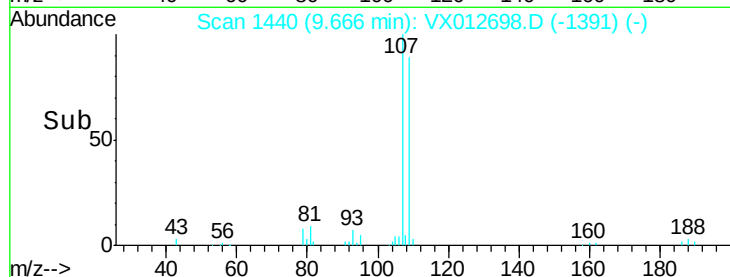
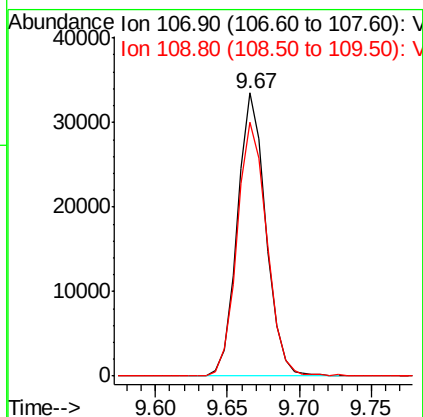
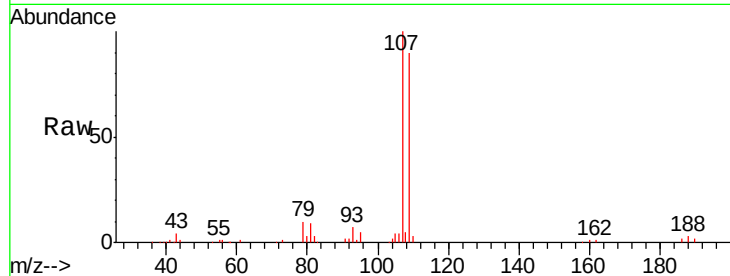




#61
 1,2-Dibromoethane
 Concen: 19.267 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

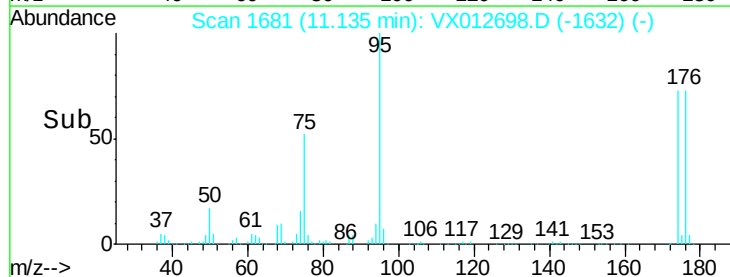
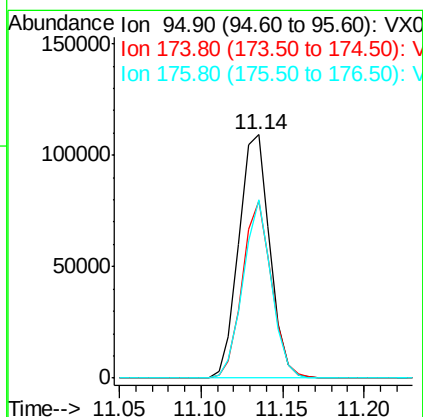
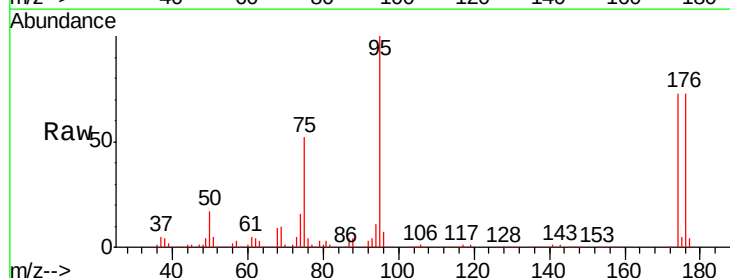
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

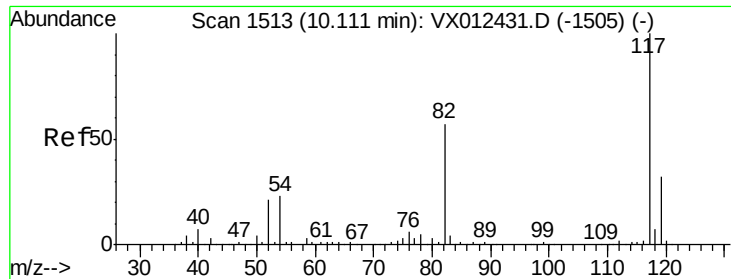
Tgt Ion: 107 Resp: 46081
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 49.670 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 95 Resp: 145256
 Ion Ratio Lower Upper
 95 100
 174 68.7 0.0 140.0
 176 66.9 0.0 135.4

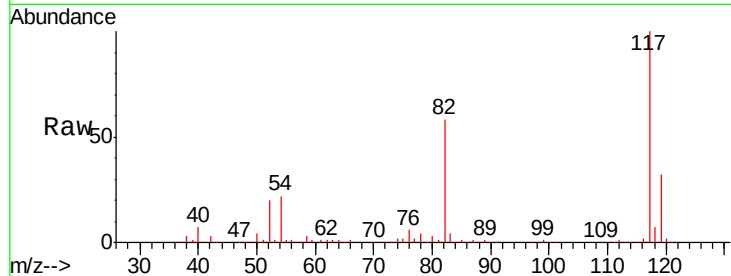




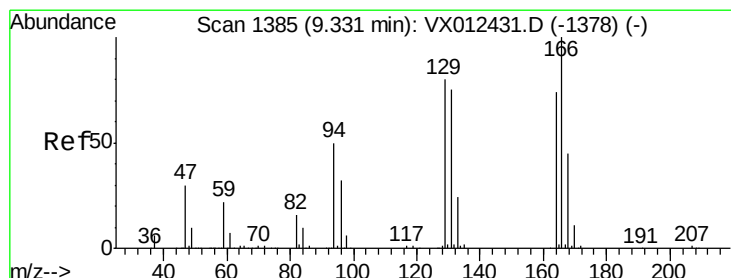
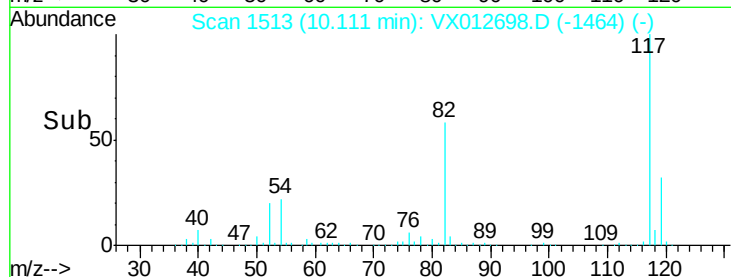
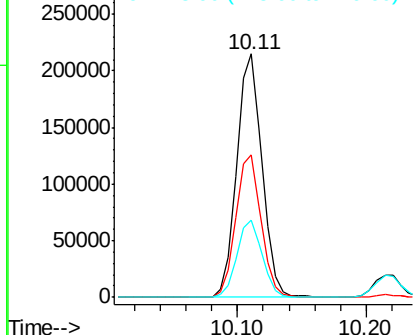
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:117 Resp: 293090
Ion Ratio Lower Upper
117 100
82 58.5 45.9 68.9
119 31.6 25.3 37.9

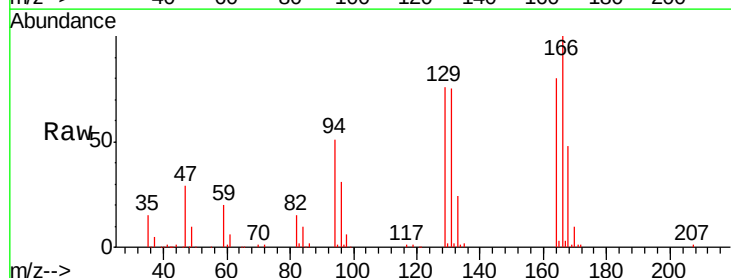


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

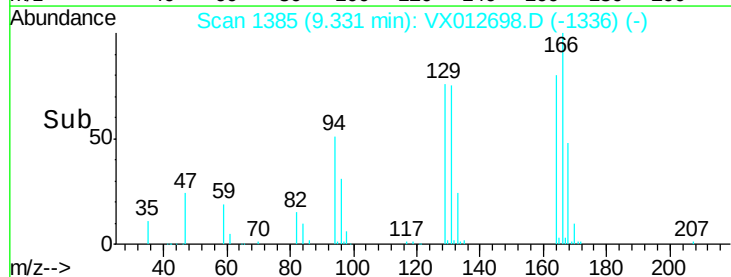
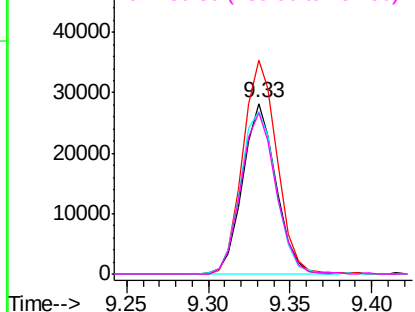


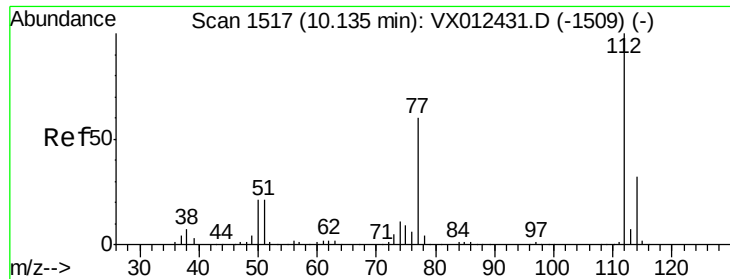
#64
Tetrachloroethene
Concen: 19.599 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion:164 Resp: 40050
Ion Ratio Lower Upper
164 100
166 125.1 107.8 161.6
129 94.9 86.2 129.2
131 94.4 80.4 120.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

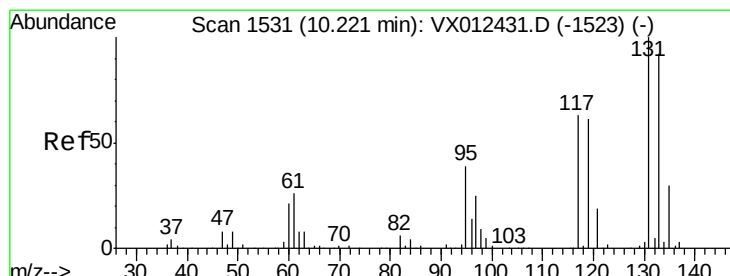
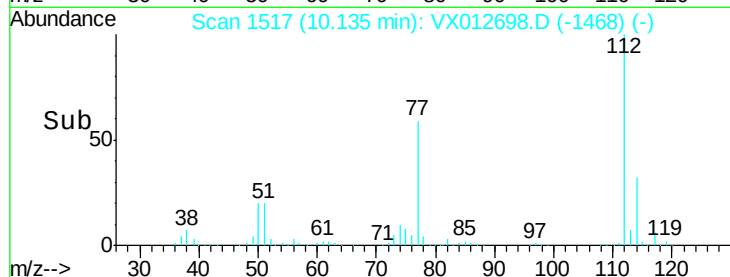
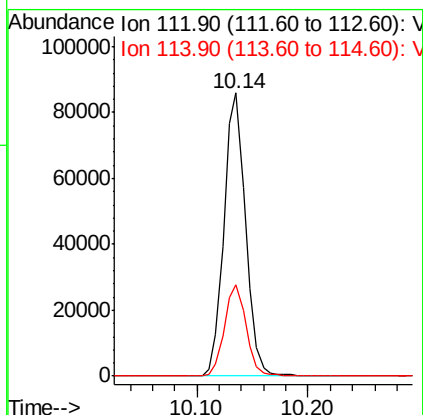
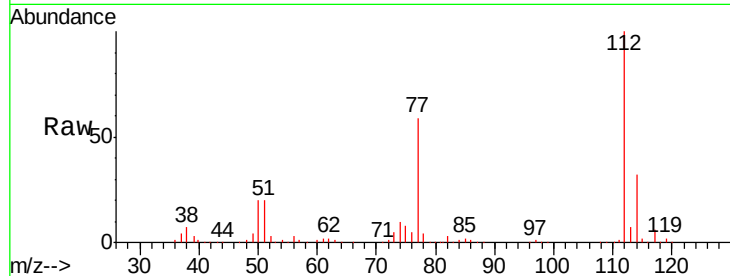




#65
Chlorobenzene
Concen: 18.699 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

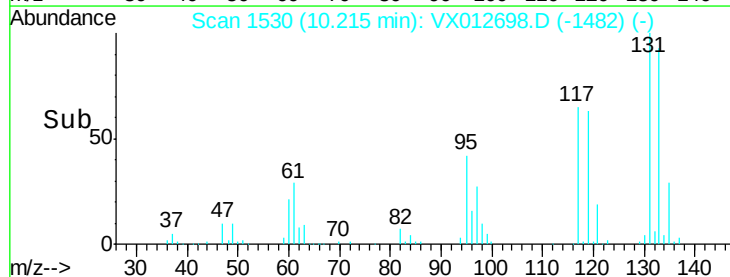
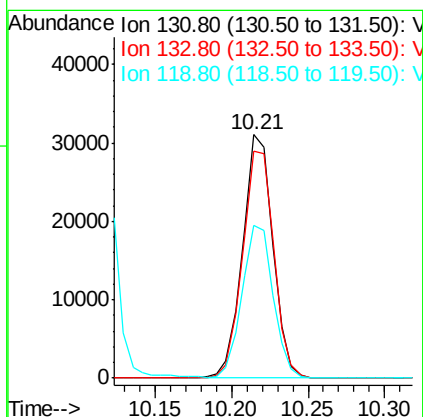
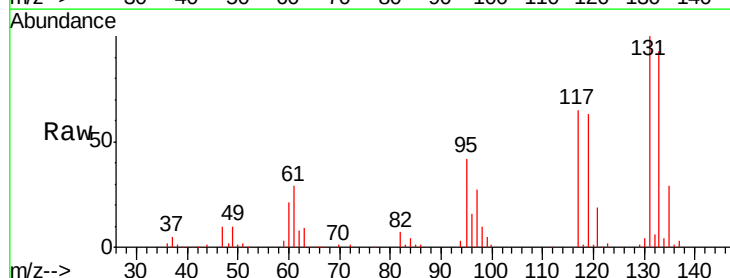
Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

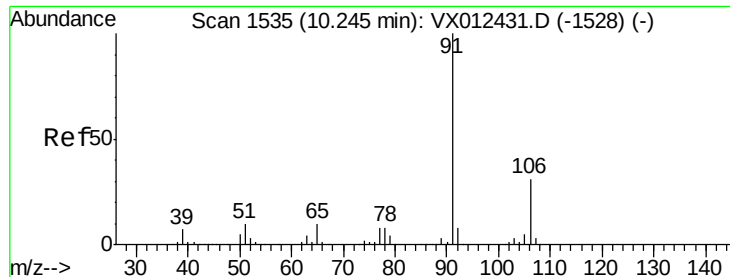
Tgt Ion:112 Resp: 115408
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.025 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion:131 Resp: 42544
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 64.9 31.3 93.8





#67

Ethyl Benzene

Concen: 18.819 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

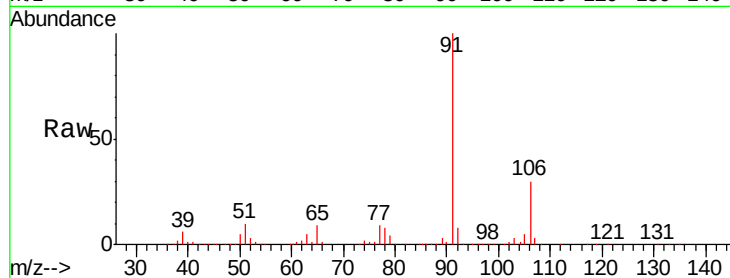
VX0930WBS01

Tgt Ion: 91 Resp: 210662

Ion Ratio Lower Upper

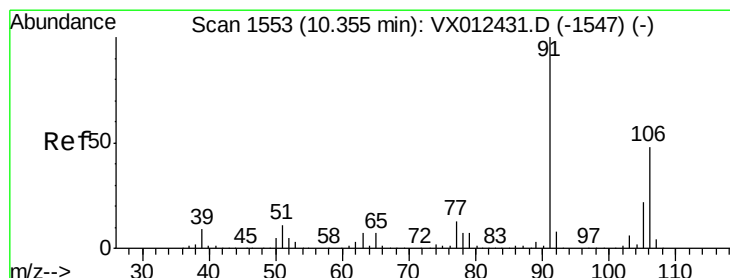
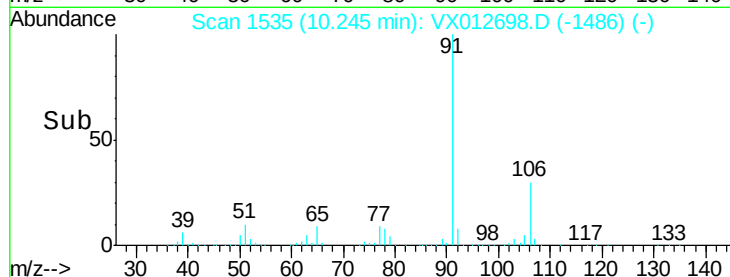
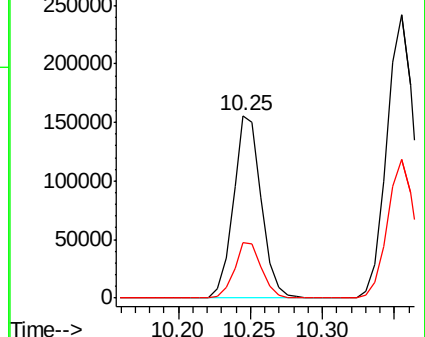
91 100

106 30.3 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.552 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012698.D

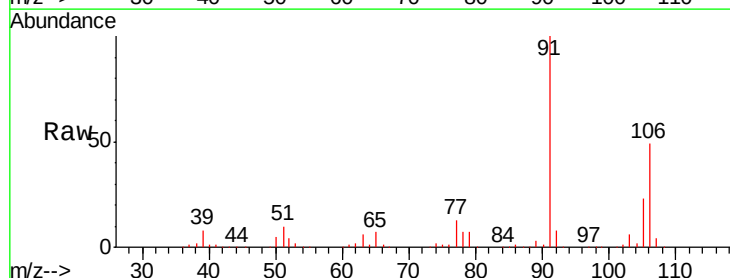
Acq: 30 Sep 2019 12:25

Tgt Ion: 106 Resp: 157469

Ion Ratio Lower Upper

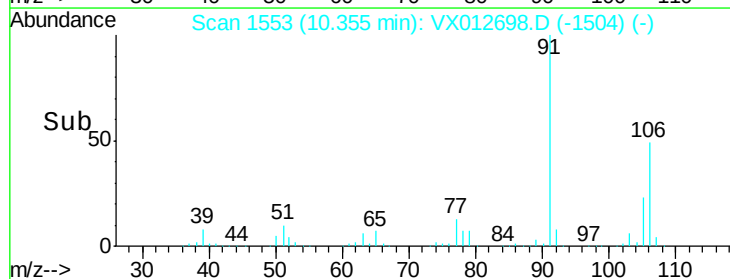
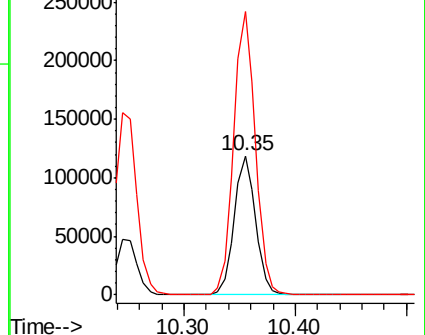
106 100

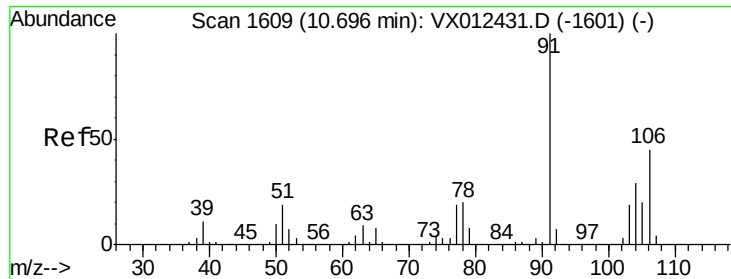
91 206.1 166.6 250.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

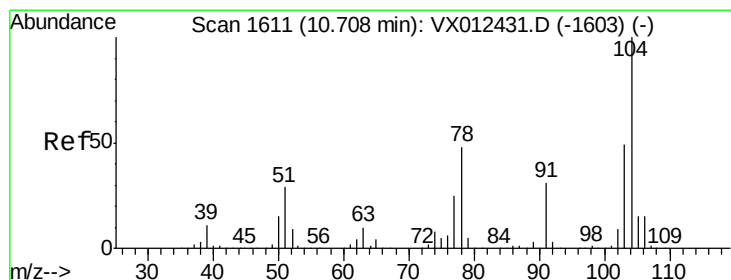
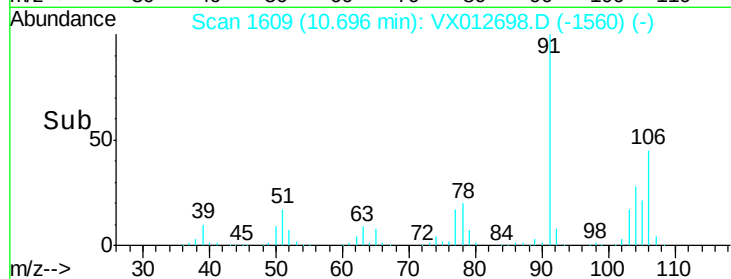
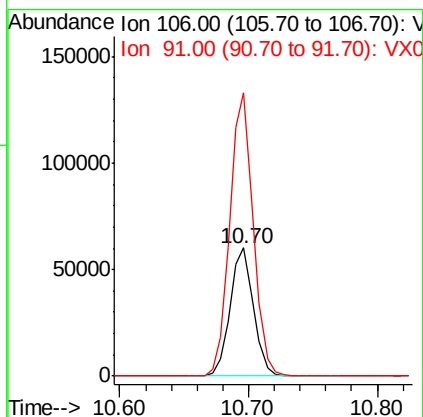
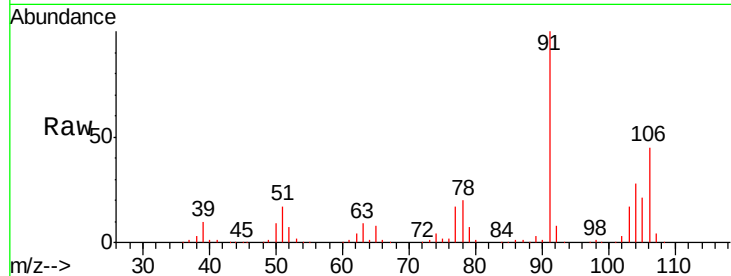




#69
o-Xylene
Concen: 18.863 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

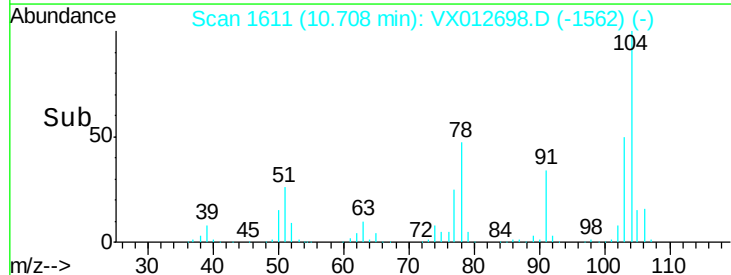
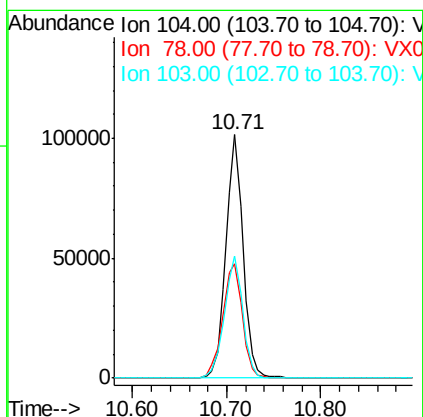
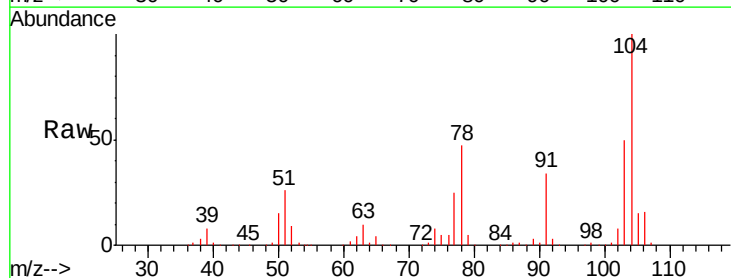
Instrument :
MSVOA_X
ClientSampled :
VX0930WBS01

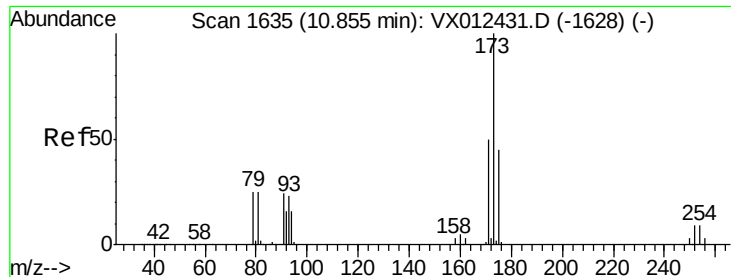
Tgt Ion:106 Resp: 76539
Ion Ratio Lower Upper
106 100
91 222.0 109.4 328.2



#70
Styrene
Concen: 18.960 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion:104 Resp: 128973
Ion Ratio Lower Upper
104 100
78 53.7 43.4 65.2
103 53.4 43.3 64.9





#71

Bromoform

Concen: 18.958 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

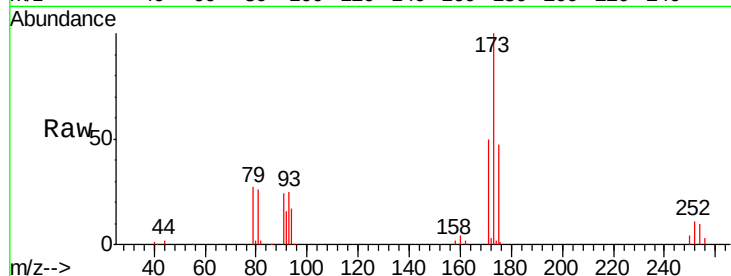
Tgt Ion:173 Resp: 29520

Ion Ratio Lower Upper

173 100

175 46.1 23.7 71.1

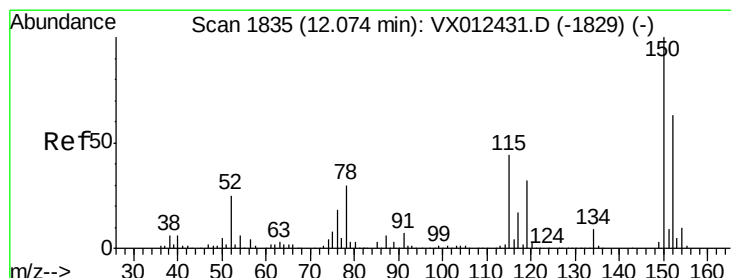
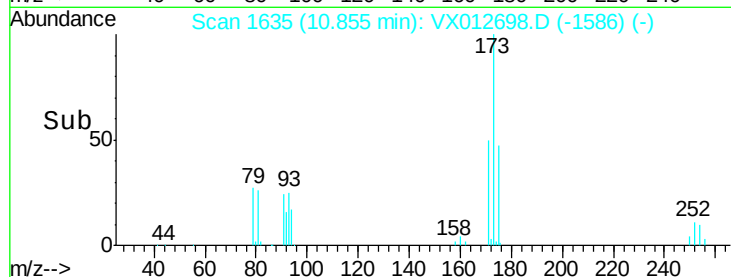
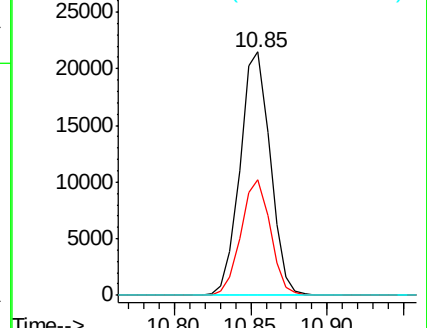
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

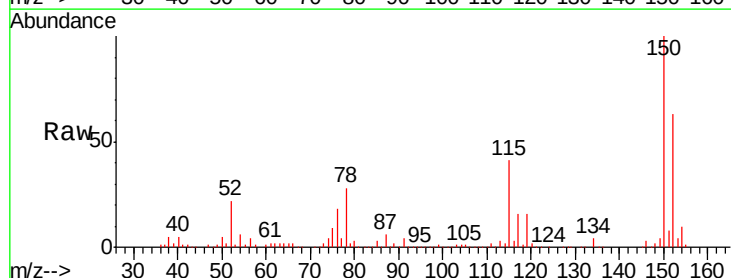
Tgt Ion:152 Resp: 131511

Ion Ratio Lower Upper

152 100

115 73.3 44.1 132.3

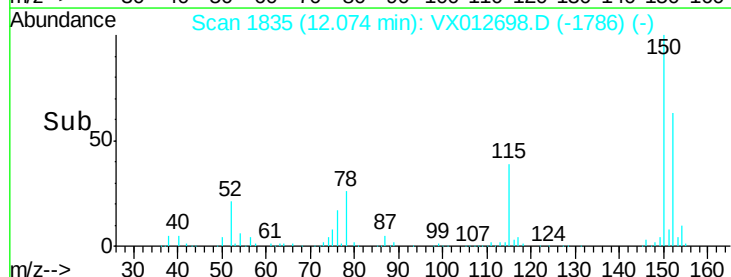
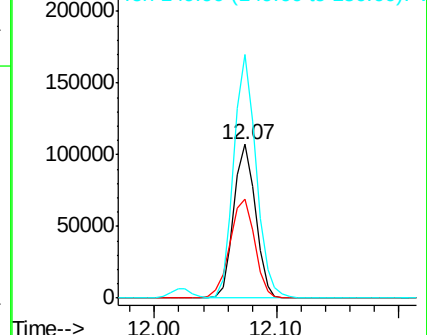
150 162.8 0.0 343.8

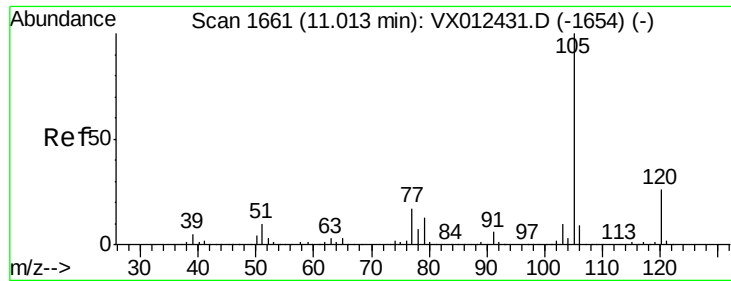


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.428 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

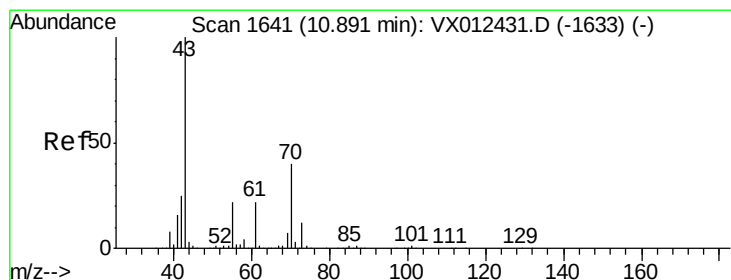
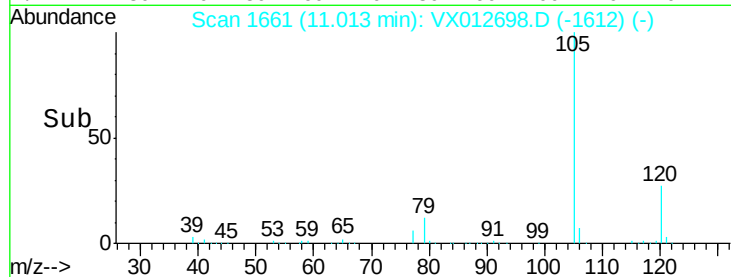
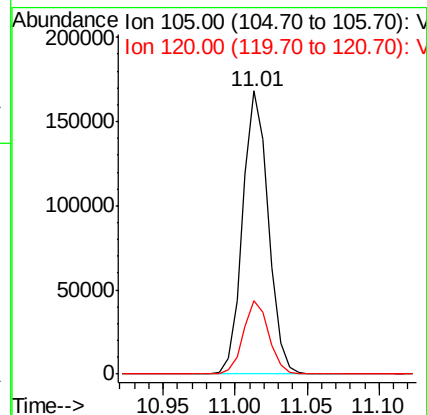
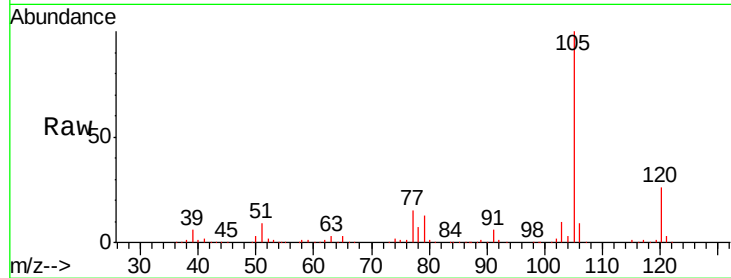
VX0930WBS01

Tgt Ion: 105 Resp: 208097

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



#74

N-amyl acetate

Concen: 18.527 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Tgt Ion: 43 Resp: 94673

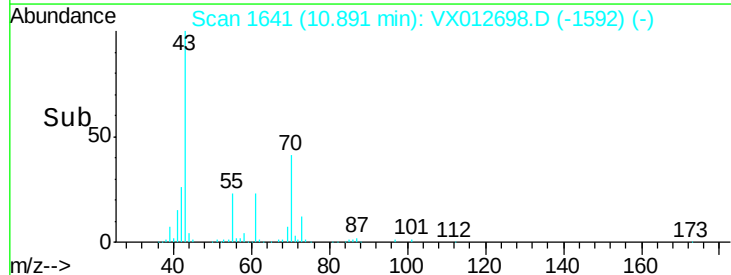
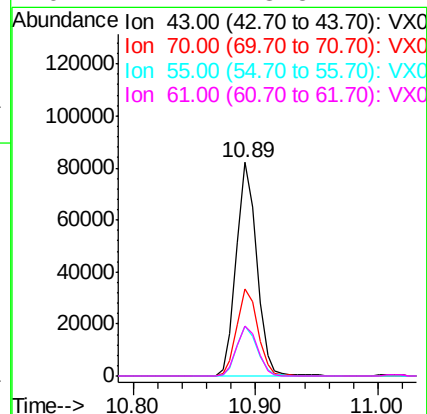
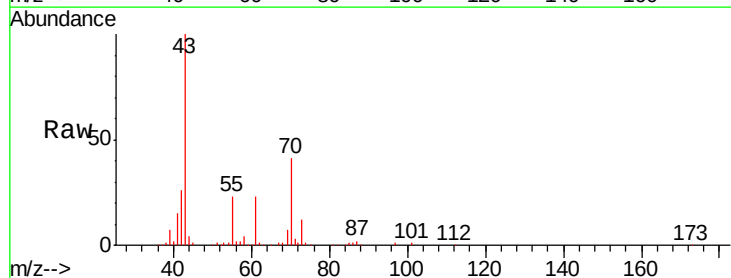
Ion Ratio Lower Upper

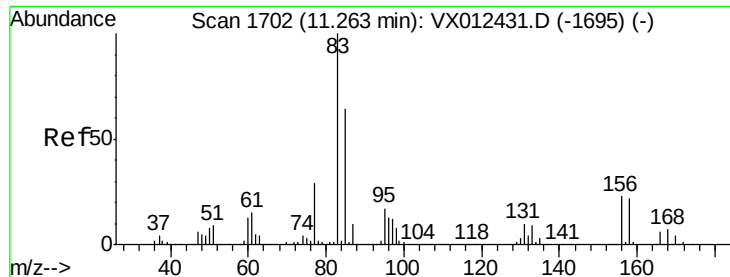
43 100

70 42.1 32.4 48.6

55 23.8 18.2 27.4

61 24.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.864 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VX0930WBS01

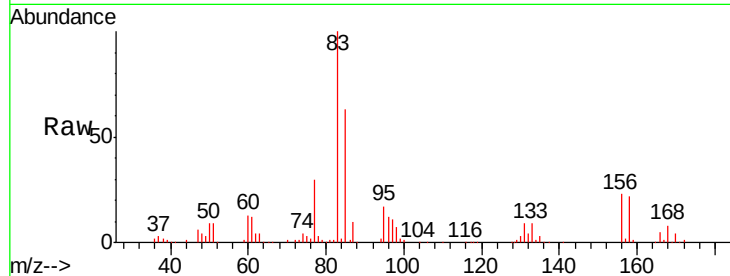
Tgt Ion: 83 Resp: 66919

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

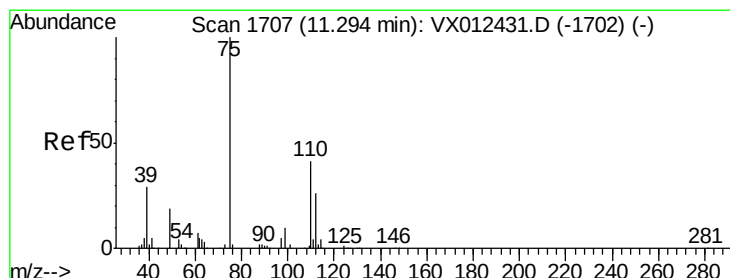
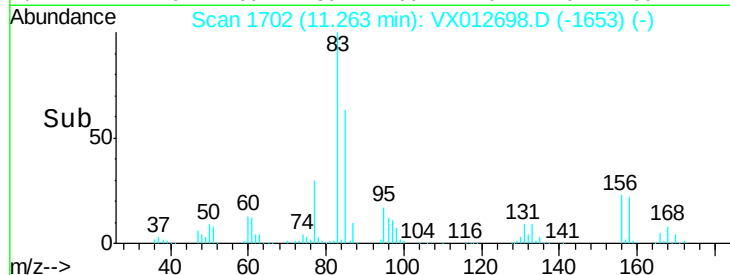
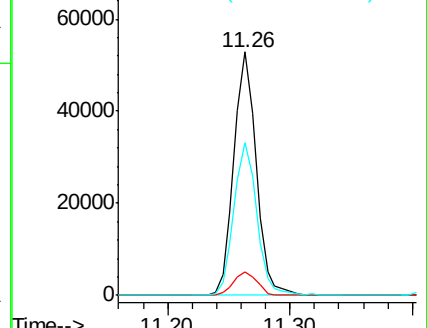
85 64.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 23.248 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012698.D

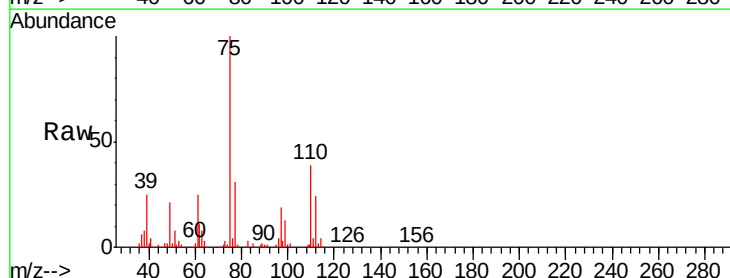
Acq: 30 Sep 2019 12:25

Tgt Ion: 75 Resp: 80876

Ion Ratio Lower Upper

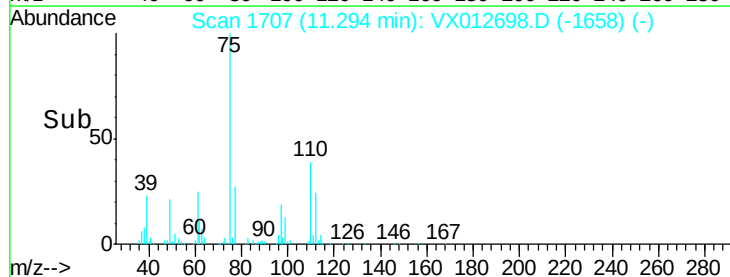
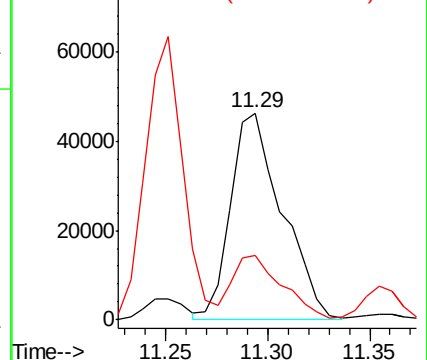
75 100

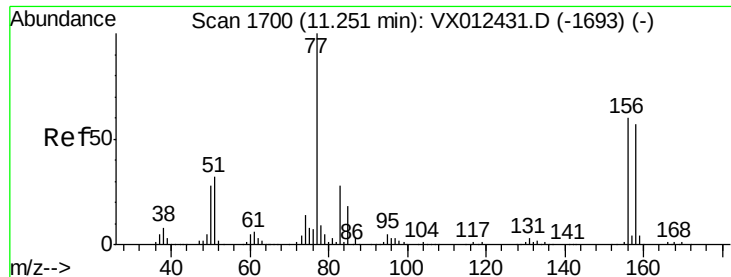
77 30.0 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

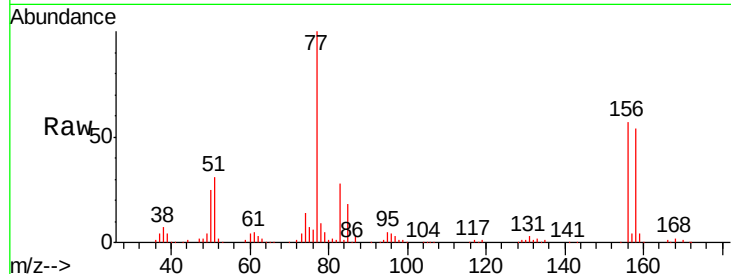




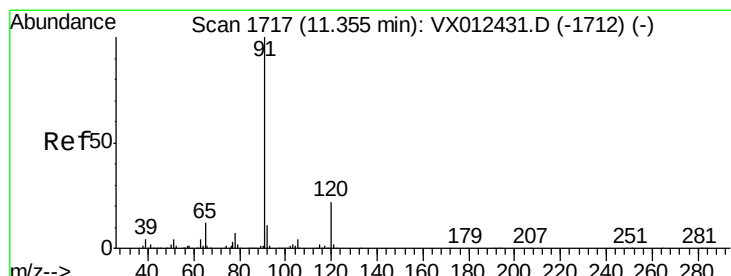
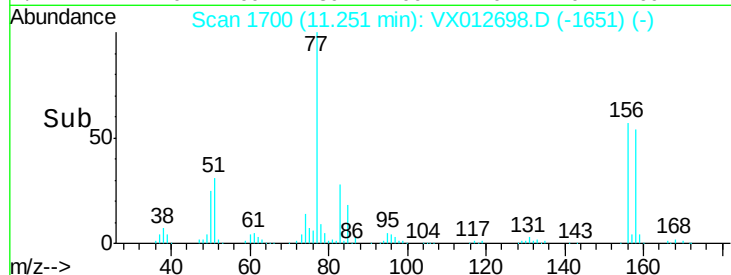
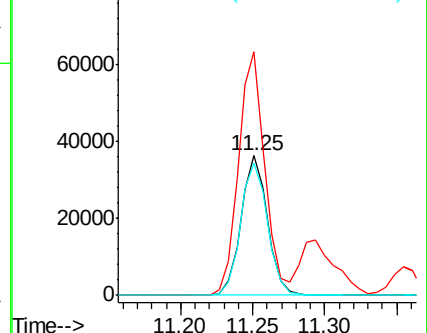
#77
Bromobenzene
Concen: 19.031 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampled :
VX0930WBS01

Tgt Ion:156 Resp: 46135
Ion Ratio Lower Upper
156 100
77 175.3 87.3 261.8
158 96.8 48.5 145.6

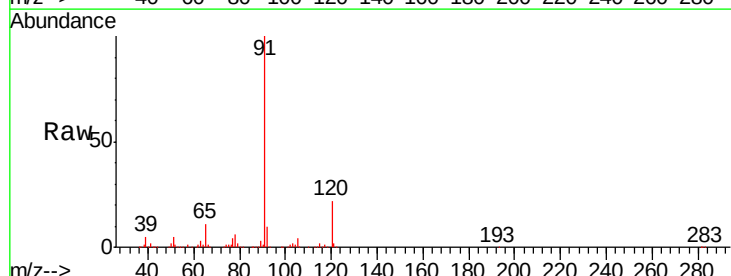


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V

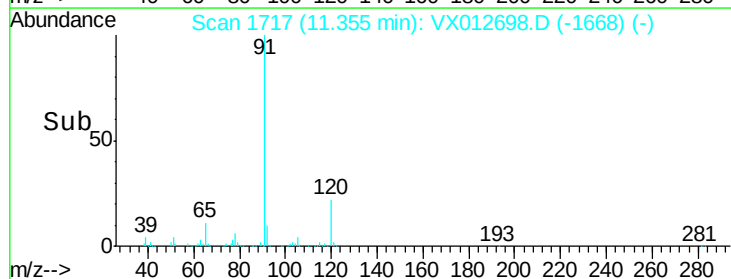
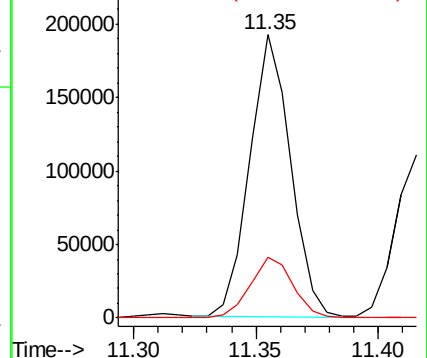


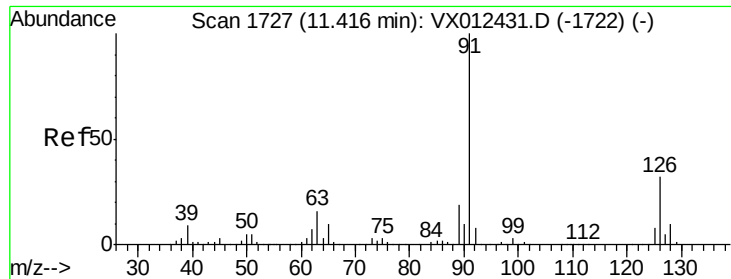
#78
n-propylbenzene
Concen: 18.441 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion: 91 Resp: 222379
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V

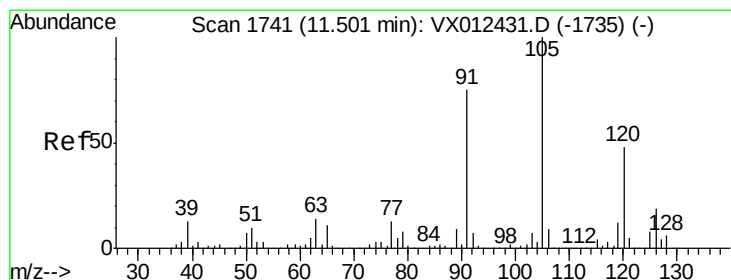
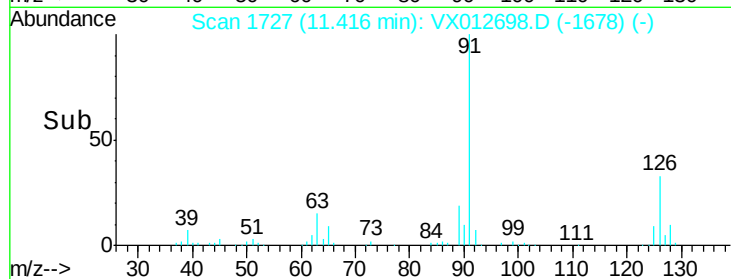
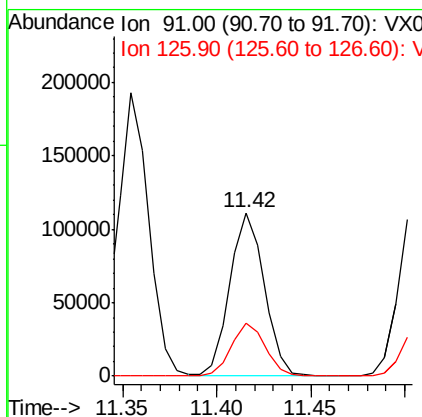
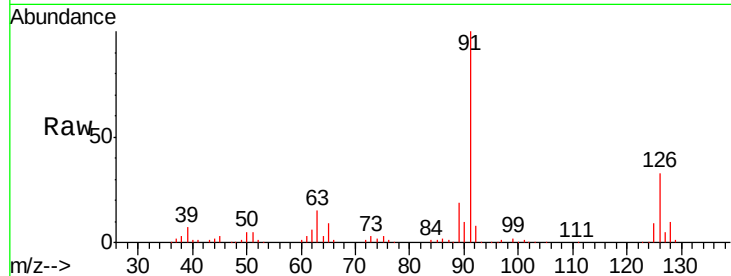




#79
 2-Chlorotoluene
 Concen: 18.630 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

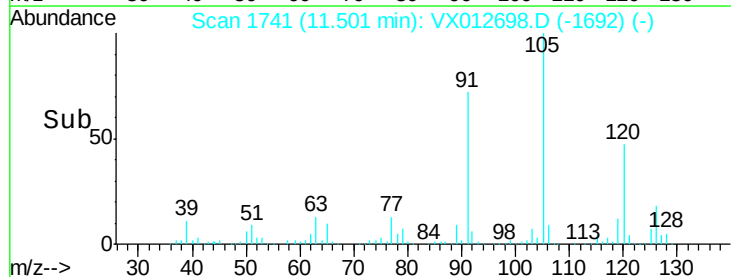
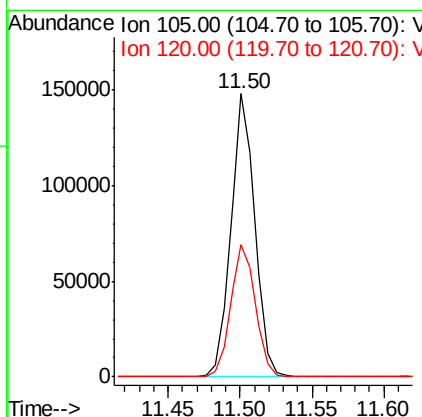
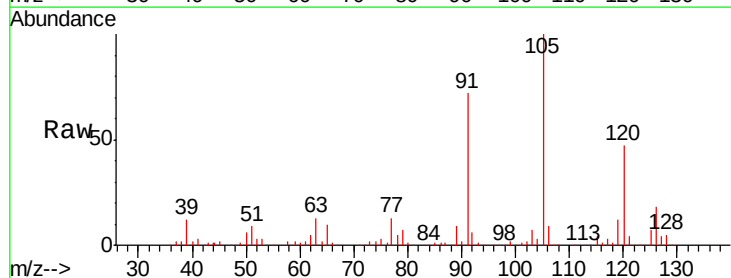
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

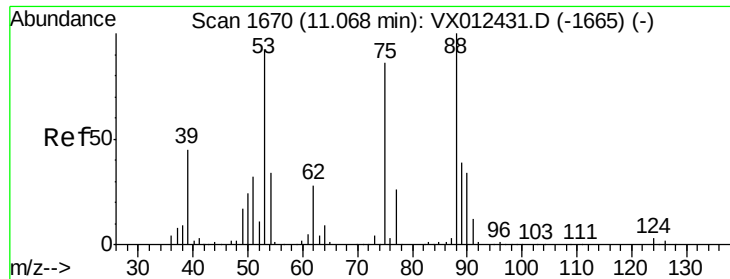
Tgt Ion: 91 Resp: 140144
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 19.182 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion: 105 Resp: 172297
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.528 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

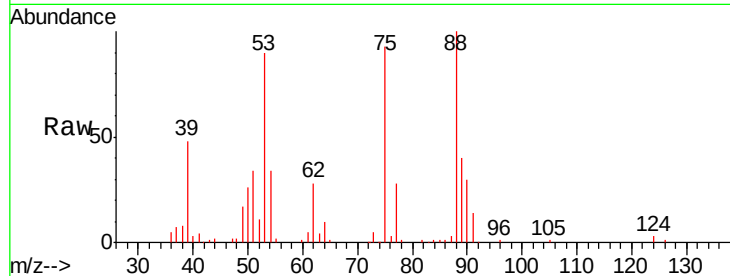
Tgt Ion: 75 Resp: 21278

Ion Ratio Lower Upper

75 100

53 103.2 83.6 125.4

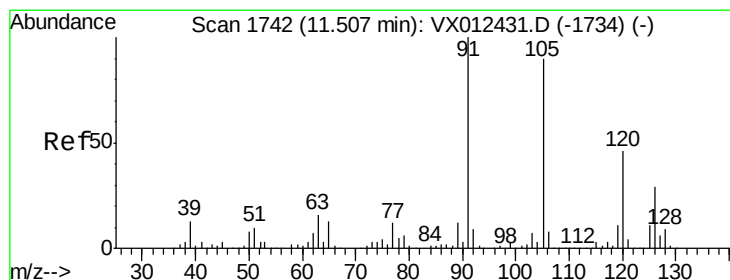
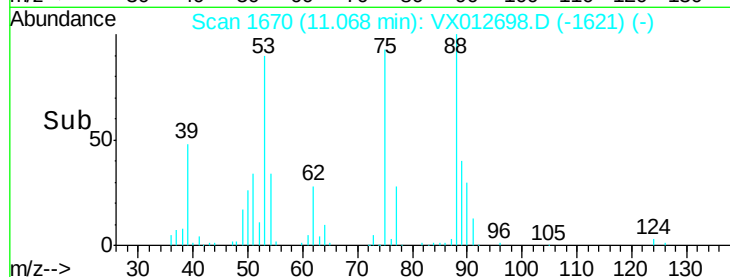
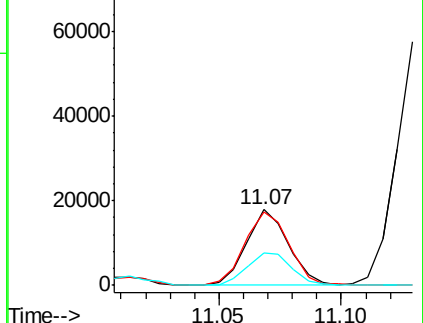
89 46.2 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.725 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012698.D

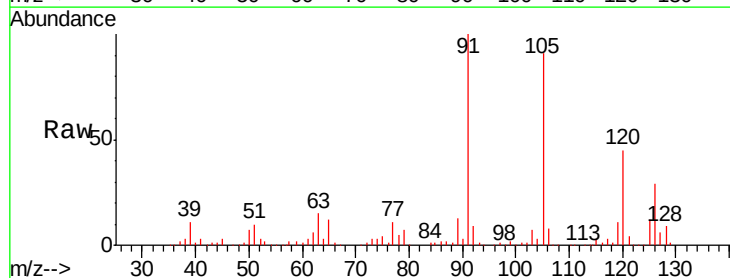
Acq: 30 Sep 2019 12:25

Tgt Ion: 91 Resp: 160574

Ion Ratio Lower Upper

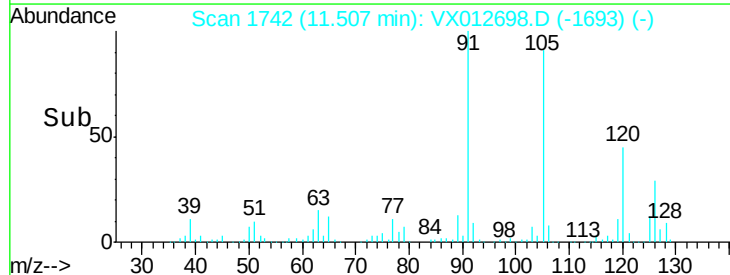
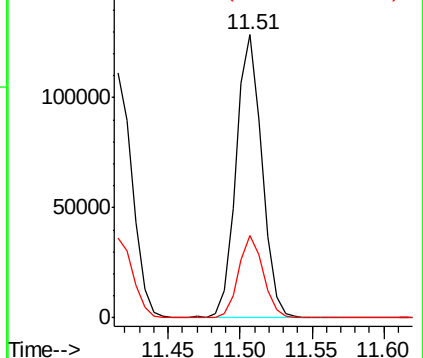
91 100

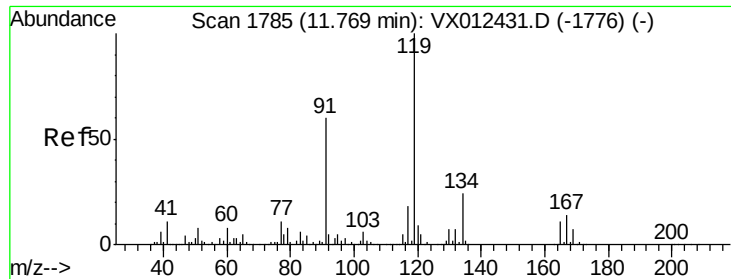
126 27.9 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

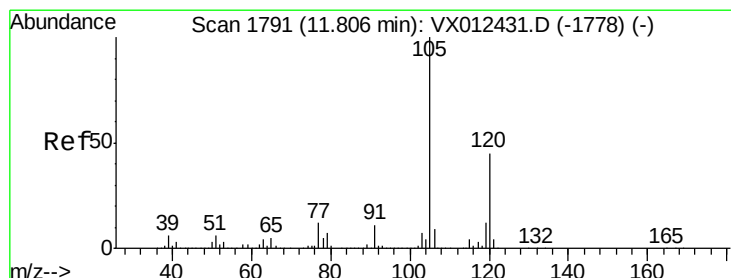
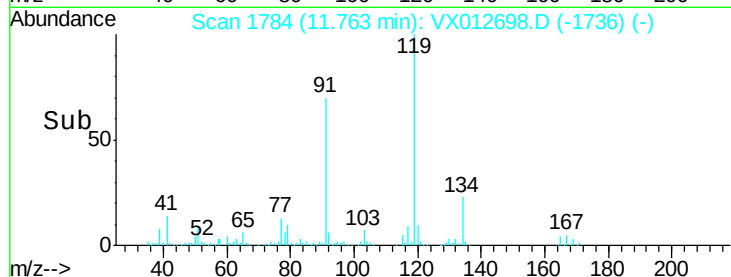
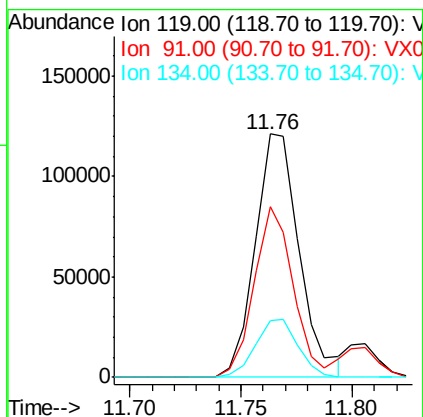
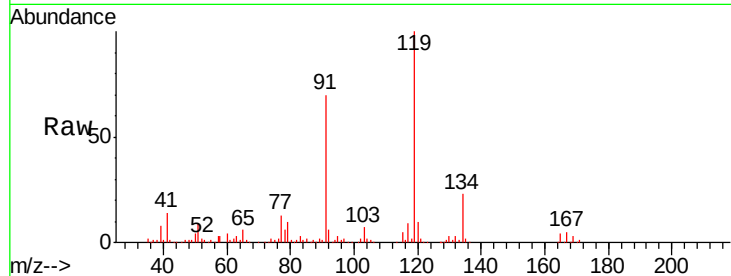




#83
 tert-Butylbenzene
 Concen: 19.283 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

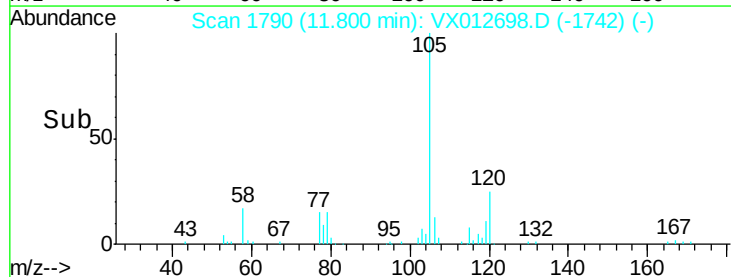
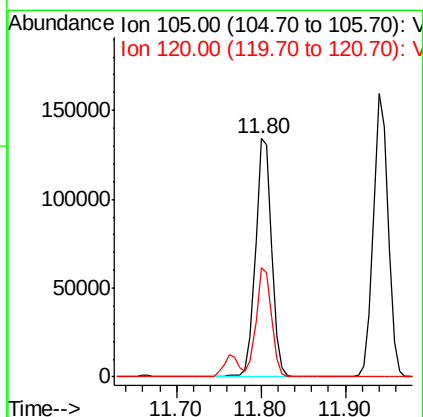
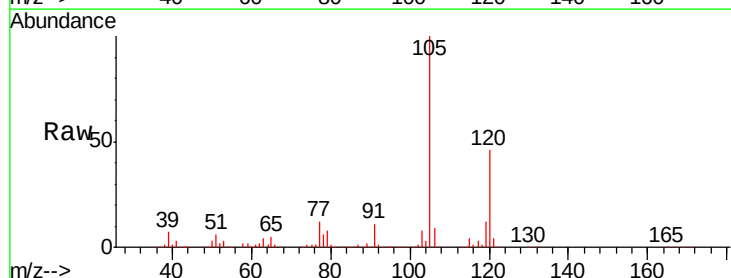
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

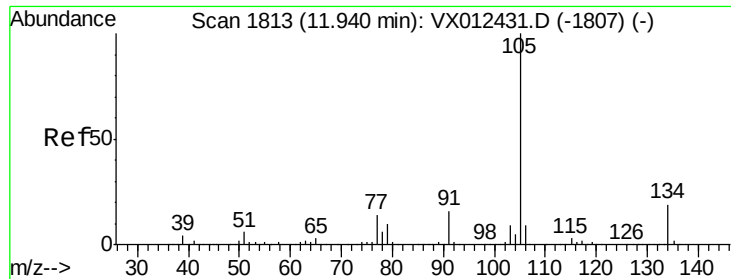
Tgt Ion:119 Resp: 167081
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.0 90.0
 134 23.0 11.3 33.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.152 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion:105 Resp: 173539
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.348 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

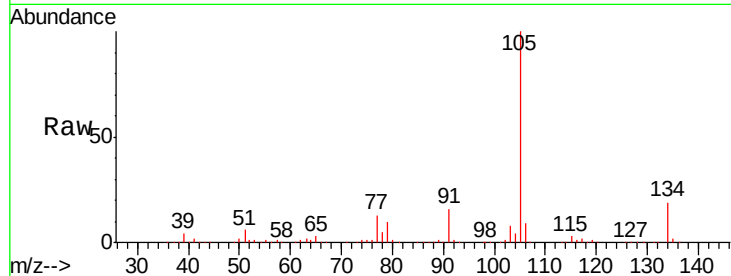
VX0930WBS01

Tgt Ion:105 Resp: 194984

Ion Ratio Lower Upper

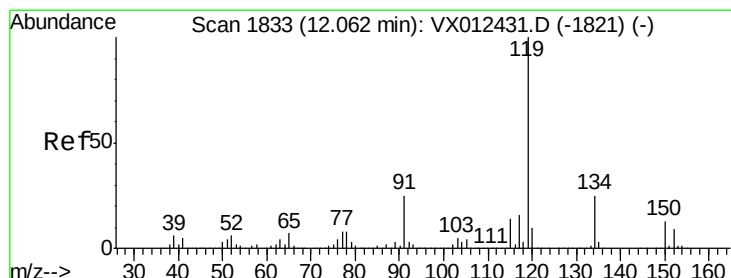
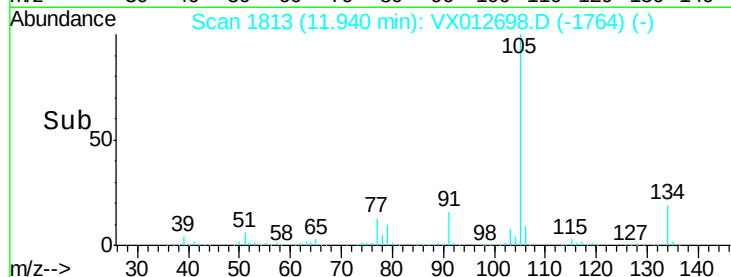
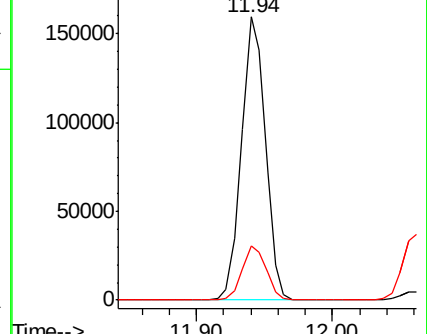
105 100

134 19.4 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.425 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

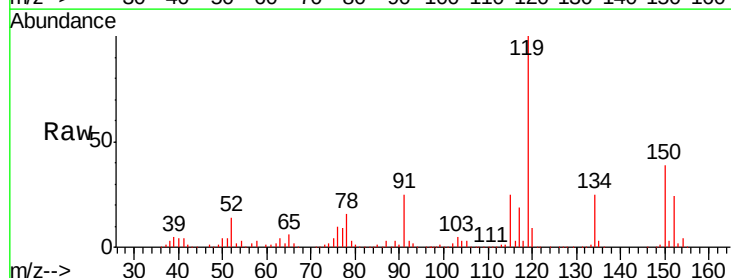
Tgt Ion:119 Resp: 176636

Ion Ratio Lower Upper

119 100

134 24.9 12.7 38.1

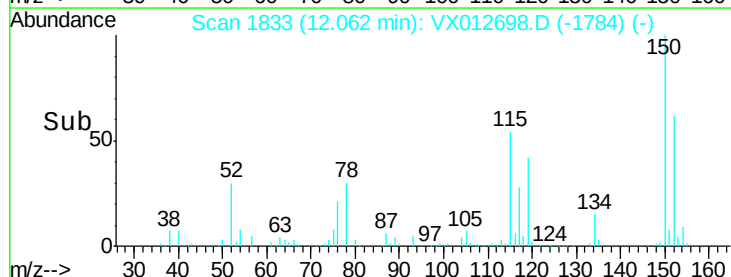
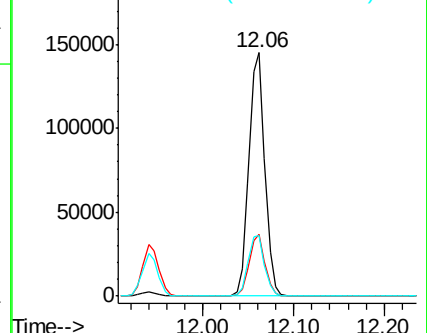
91 25.9 12.8 38.4

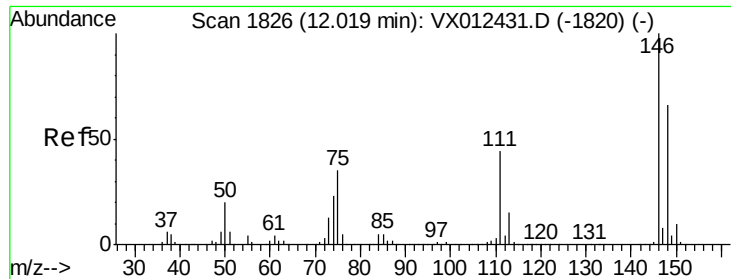


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

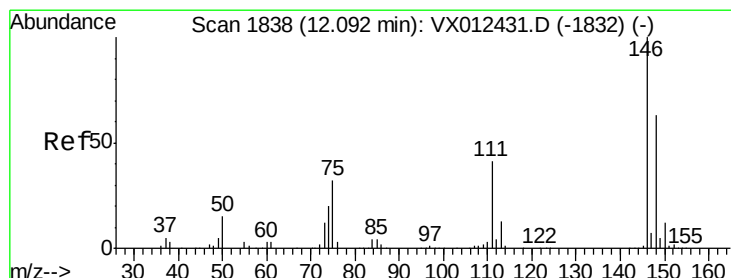
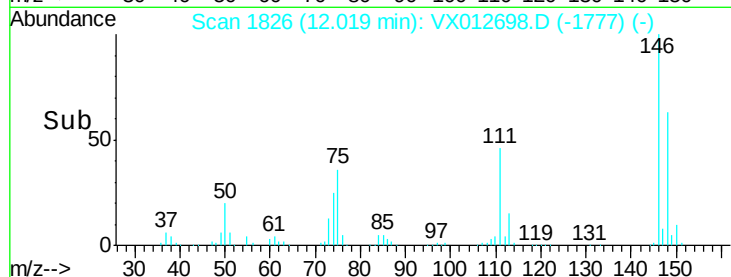
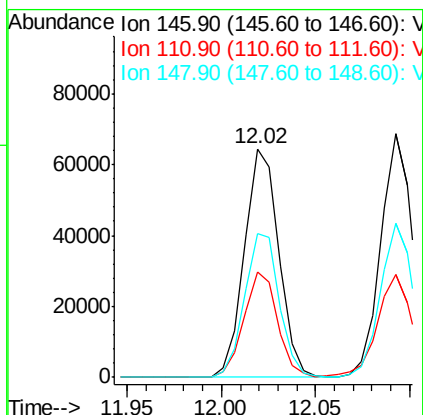
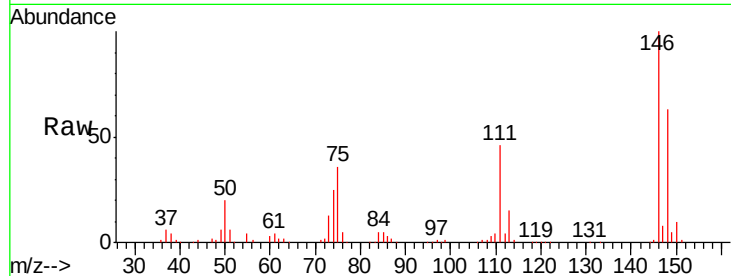




#87
 1,3-Dichlorobenzene
 Concen: 18.742 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

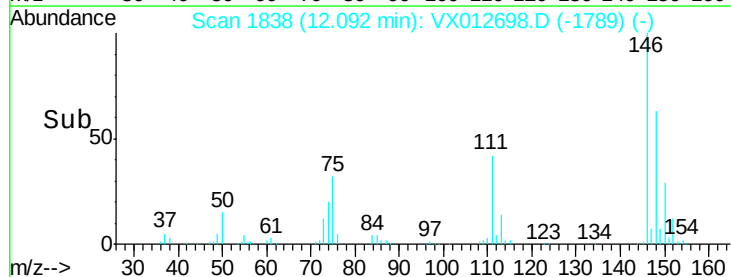
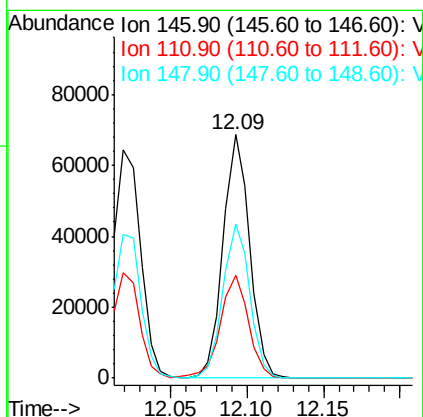
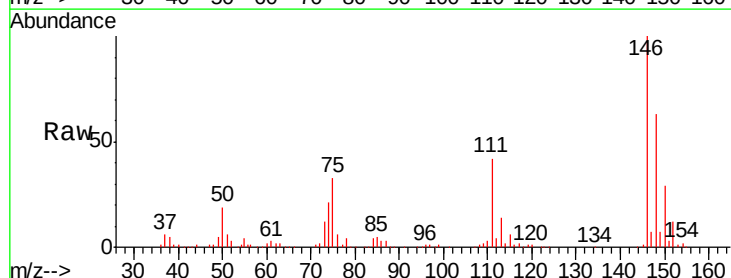
Instrument :
 MSVOA_X
 ClientSampled :
 VX0930WBS01

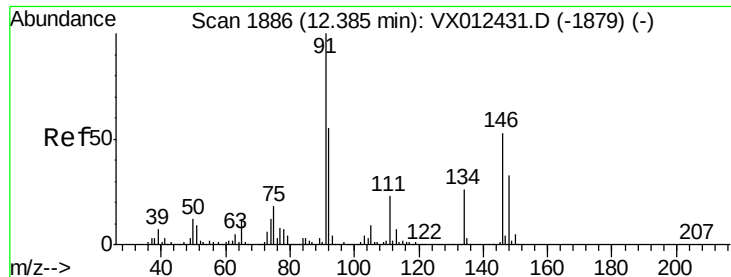
Tgt Ion:146 Resp: 81764
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.3 64.0
 148 63.5 32.4 97.2



#88
 1,4-Dichlorobenzene
 Concen: 18.741 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion:146 Resp: 82620
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.1 63.3
 148 64.4 32.1 96.5





#89

n-Butylbenzene

Concen: 17.998 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampled :

VX0930WBS01

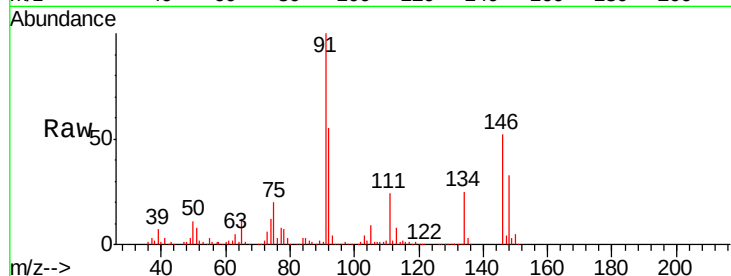
Tgt Ion: 91 Resp: 144216

Ion Ratio Lower Upper

91 100

92 54.1 27.7 83.0

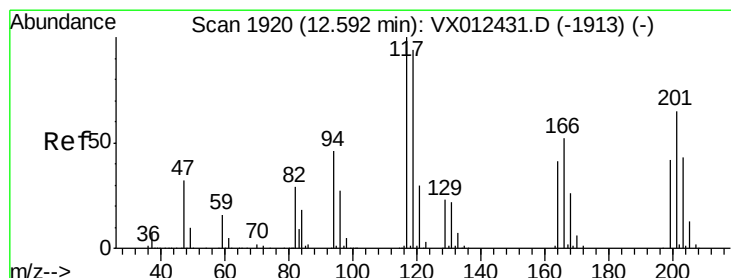
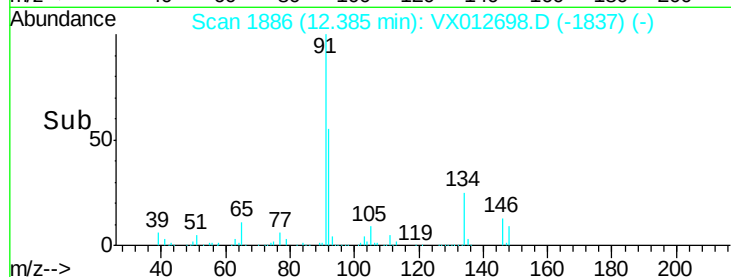
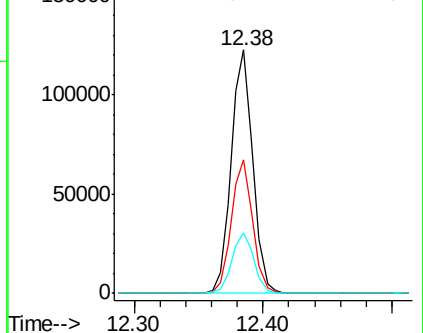
134 25.2 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.722 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012698.D

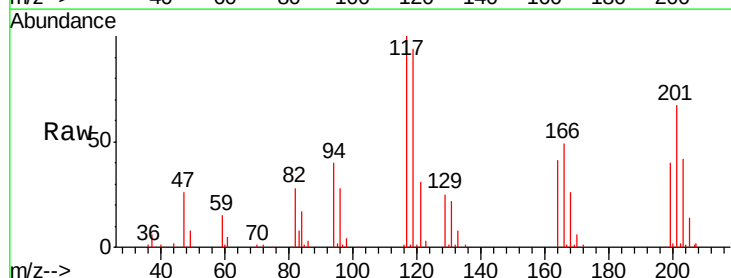
Acq: 30 Sep 2019 12:25

Tgt Ion: 117 Resp: 30351

Ion Ratio Lower Upper

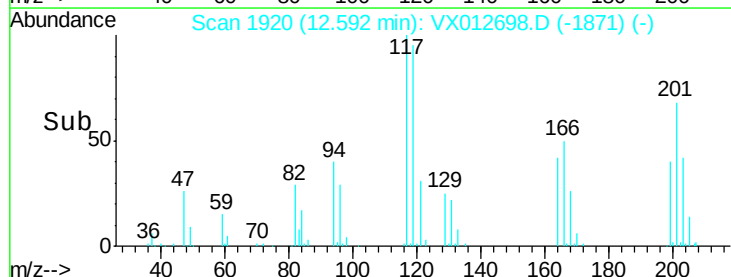
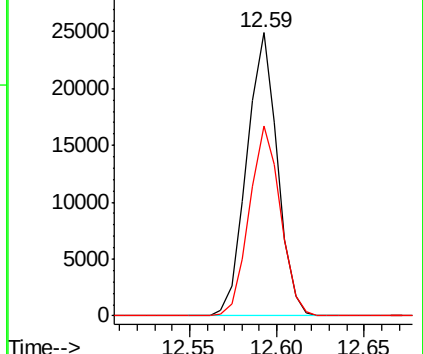
117 100

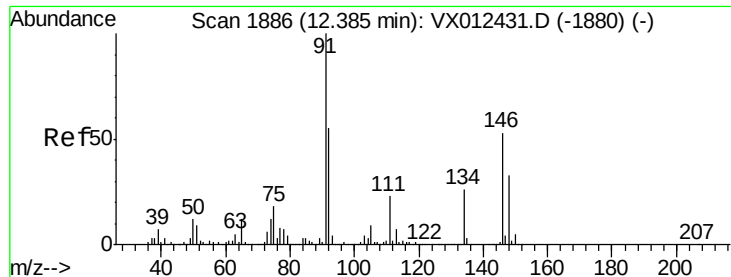
201 68.2 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 18.935 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

Instrument :

MSVOA_X

ClientSampleId :

VX0930WBS01

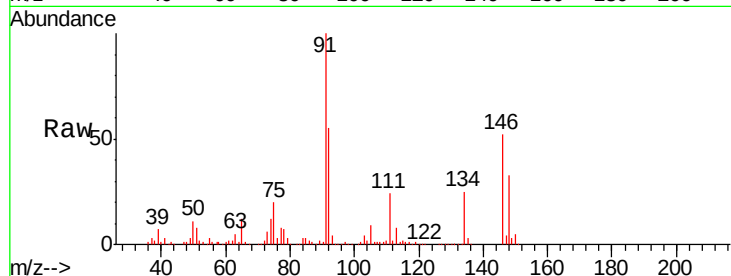
Tgt Ion:146 Resp: 82704

Ion Ratio Lower Upper

146 100

111 45.7 22.1 66.1

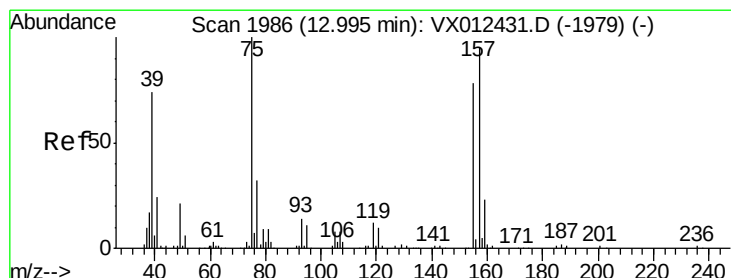
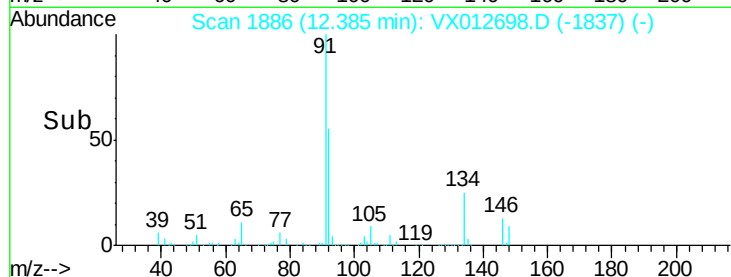
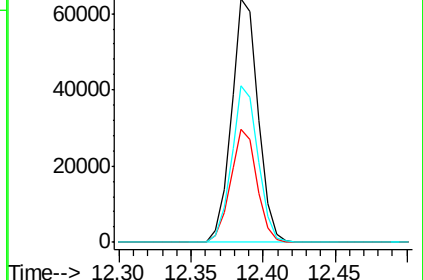
148 63.8 31.3 93.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.845 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012698.D

Acq: 30 Sep 2019 12:25

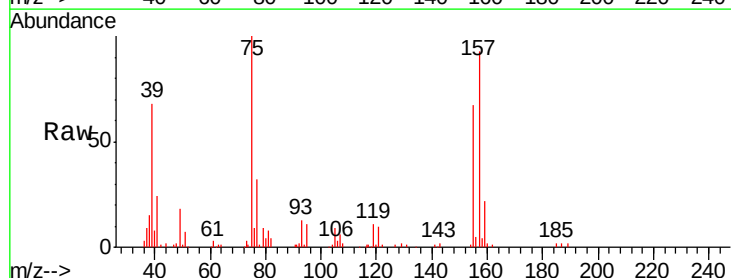
Tgt Ion: 75 Resp: 16722

Ion Ratio Lower Upper

75 100

155 72.2 38.6 115.8

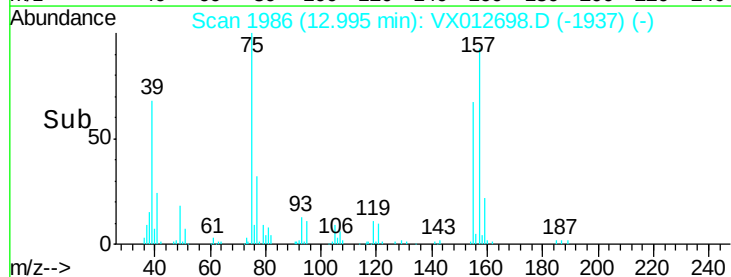
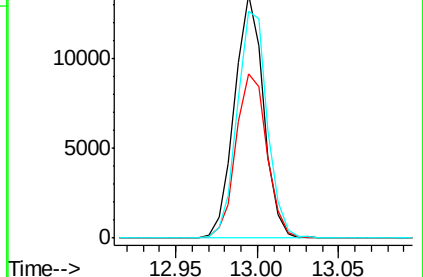
157 96.9 50.6 151.9

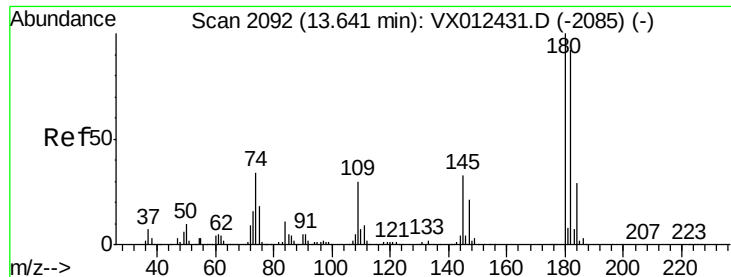


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

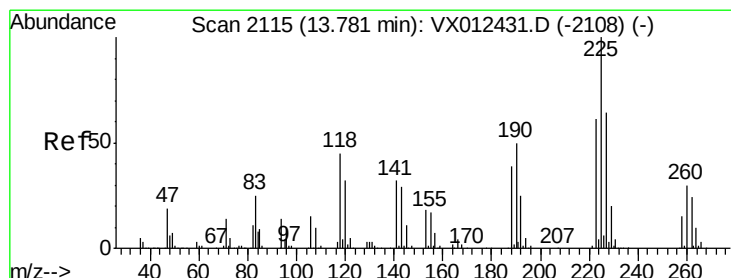
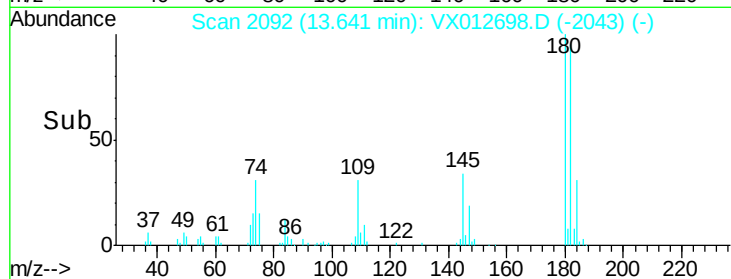
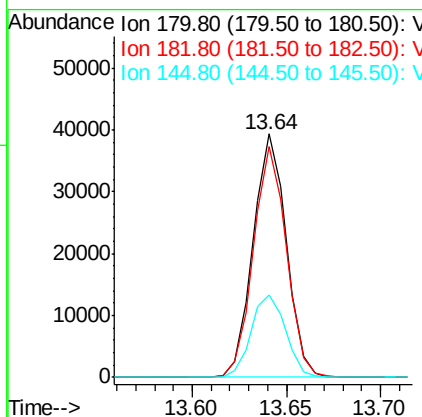
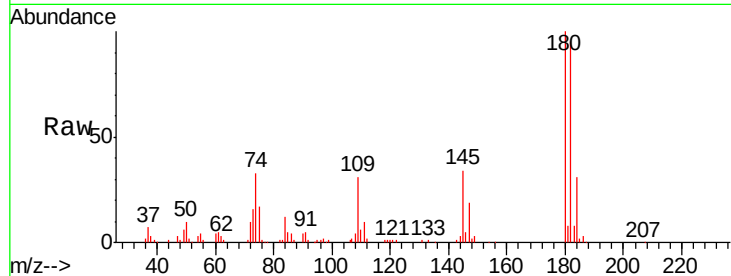




#93
 1,2,4-Trichlorobenzene
 Concen: 18.042 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

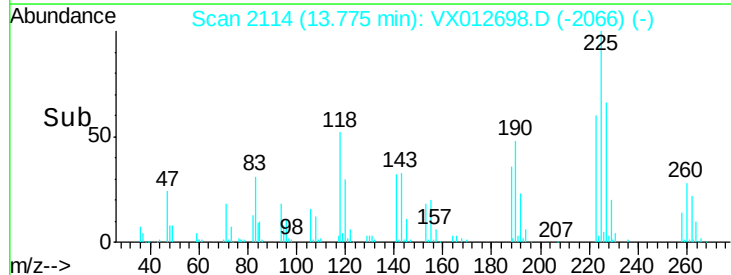
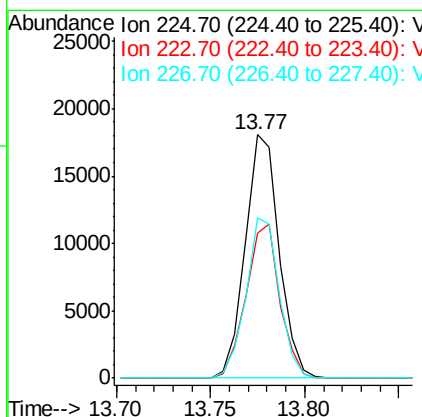
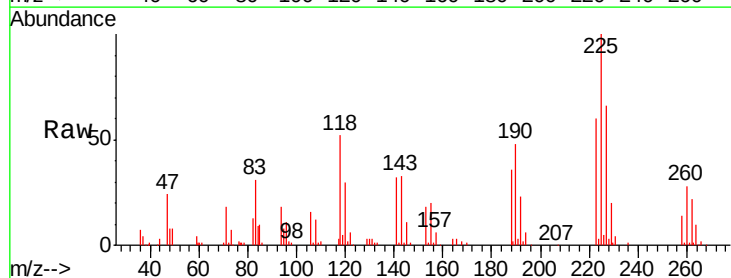
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

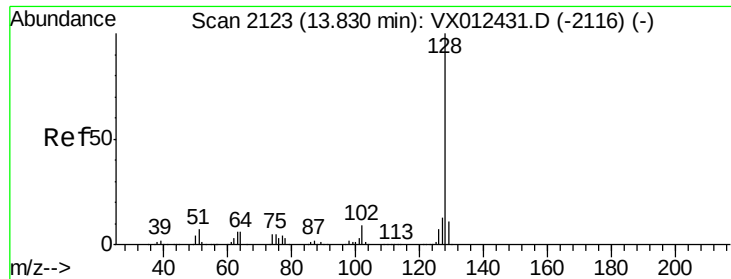
Tgt Ion:180 Resp: 48057
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.0 141.0
 145 35.1 16.8 50.4



#94
 Hexachlorobutadiene
 Concen: 19.656 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012698.D
 Acq: 30 Sep 2019 12:25

Tgt Ion:225 Resp: 22524
 Ion Ratio Lower Upper
 225 100
 223 63.0 32.0 96.2
 227 64.6 31.9 95.5

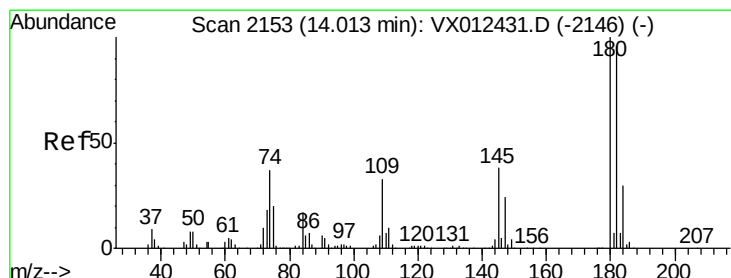
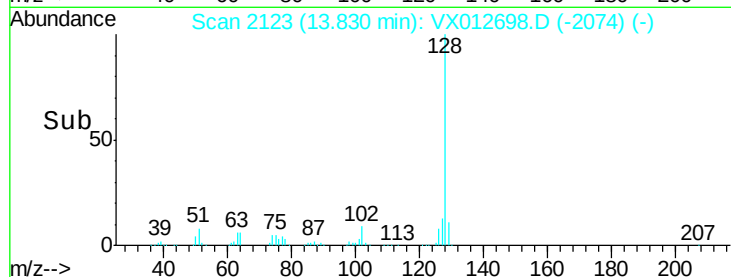
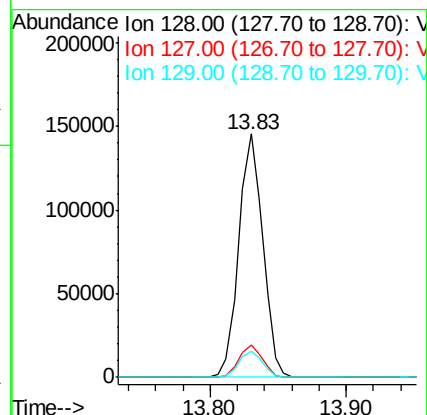
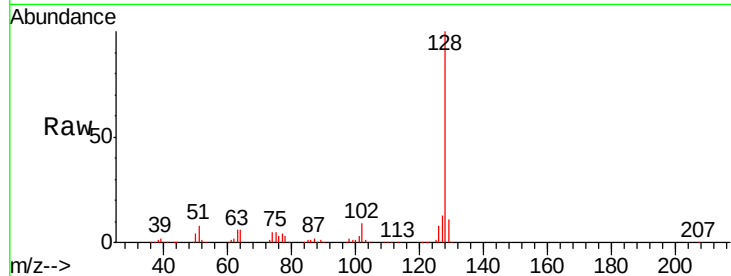




#95
Naphthalene
Concen: 18.552 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Instrument :
MSVOA_X
ClientSampleId :
VX0930WBS01

Tgt Ion:128 Resp: 178792
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.991 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012698.D
Acq: 30 Sep 2019 12:25

Tgt Ion:180 Resp: 50672
Ion Ratio Lower Upper
180 100
182 93.0 47.1 141.3
145 36.0 18.0 54.0

