

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013033.D
 Acq On : 11 Oct 2019 21:46
 Operator : JC/SP
 Sample : K5306-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391009760.2-VOA

Quant Time: Oct 11 23:31:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	165639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269842	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	89038	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103874	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	5.49	113	77913	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	8.71	98	320436	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	11.13	95	105977	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.40	62	732	0.386	ug/l #	69
5) Bromomethane	1.64	94	496	0.629	ug/l #	76
6) Chloroethane	1.72	64	280	0.607	ug/l	94
8) Diethyl Ether	2.18	74	6745	6.528	ug/l	96
10) Methyl Iodide	2.50	142	463	5.303	ug/l #	44
11) Tert butyl alcohol	3.03	59	2719011	4954.363	ug/l	99
13) Acrolein	2.28	56	102	0.262	ug/l #	40
14) Allyl chloride	2.70	41	32095	10.767	ug/l #	44
15) Acrylonitrile	3.03	53	22481	21.616	ug/l #	20
16) Acetone	2.43	43	24203	22.179	ug/l	98
17) Carbon Disulfide	2.56	76	2091	0.438	ug/l #	93
18) Methyl Acetate	3.03	43	292720	113.171	ug/l #	51
19) Methyl tert-butyl Ether	3.18	73	14900	2.578	ug/l	94
24) 1,1-Dichloroethane	3.68	63	682	0.212	ug/l #	81
25) 2-Butanone	4.69	43	93005	61.432	ug/l #	73
26) 2,2-Dichloropropane	4.69	77	133660	49.463	ug/l #	53
27) cis-1,2-Dichloroethene	4.58	96	926	0.448	ug/l #	11
28) Bromochloromethane	5.11	49	1711	1.346	ug/l #	13
29) Tetrahydrofuran	5.11	42	788871	846.763	ug/l	99
36) 1,1-Dichloropropene	5.65	75	13353	5.628	ug/l #	50
37) Ethyl Acetate	4.79	43	5489	2.069	ug/l #	67
38) Carbon Tetrachloride	5.65	117	17209	7.452	ug/l #	17
39) Methylcyclohexane	7.45	83	593	0.206	ug/l #	68
40) Benzene	6.14	78	19939	2.846	ug/l	96
41) Methacrylonitrile	5.11	41	436484	299.429	ug/l #	43
42) 1,2-Dichloroethane	6.20	62	1722	0.685	ug/l #	73
43) Isopropyl Acetate	6.43	43	3205	0.753	ug/l #	74
49) 1,4-Dioxane	7.73	88	6171	142.021	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	38591	14.537	ug/l #	80
52) Toluene	8.78	92	11600	2.588	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	529	2.343	ug/l #	42
55) 1,1,2-Trichloroethane	9.14	97	1442	0.813	ug/l #	24
56) Ethyl methacrylate	9.15	69	172	1.884	ug/l #	1
59) 2-Hexanone	9.49	43	2629	1.272	ug/l	95

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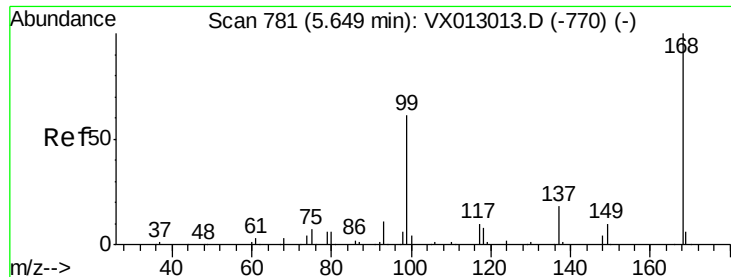
Instrument :
 MSVOA_X
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) Dibromochloromethane	9.60	129	307	2.007	ug/l #	10
65) Chlorobenzene	10.14	112	3705	0.808	ug/l #	76
67) Ethyl Benzene	10.24	91	5732	0.704	ug/l	100
68) m/p-Xylenes	10.35	106	30200	9.924	ug/l	99
69) o-Xylene	10.70	106	17647	5.947	ug/l	92
70) Styrene	10.70	104	2214	0.439	ug/l #	1
73) Isopropylbenzene	11.01	105	7409	1.132	ug/l	97
74) N-amyl acetate	10.95	43	3806	1.350	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	54294	27.493	ug/l #	33
79) 2-Chlorotoluene	11.43	91	2454	0.542	ug/l	78
80) 1,3,5-Trimethylbenzene	11.50	105	5668	1.037	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	54294	69.006	ug/l #	10
82) 4-Chlorotoluene	11.43	91	2454	0.473	ug/l	84
83) tert-Butylbenzene	12.02	119	1957	0.367	ug/l	73
84) 1,2,4-Trimethylbenzene	11.81	105	18429	3.329	ug/l	93
86) p-Isopropyltoluene	12.02	119	1957	0.342	ug/l	91
87) 1,3-Dichlorobenzene	12.09	146	12438	4.342	ug/l	84
88) 1,4-Dichlorobenzene	12.09	146	12438	4.287	ug/l	85
90) Hexachloroethane	12.57	117	321	2.408	ug/l #	13
91) 1,2-Dichlorobenzene	12.38	146	1322	0.471	ug/l #	81
92) 1,2-Dibromo-3-Chloropropan	12.95	75	269	0.527	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.64	180	409	0.232	ug/l	89
95) Naphthalene	13.83	128	9722	1.594	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

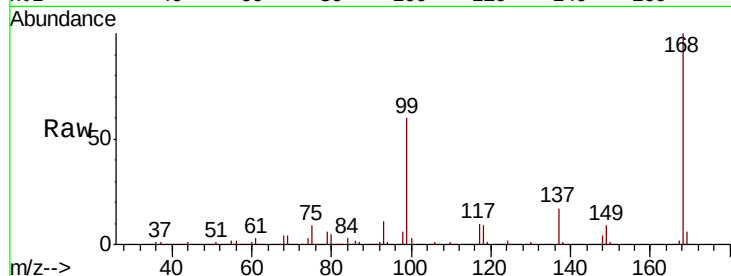
391009760.2-VOA

Tot Ion:168 Resp: 165639

Ion Ratio Lower Upper

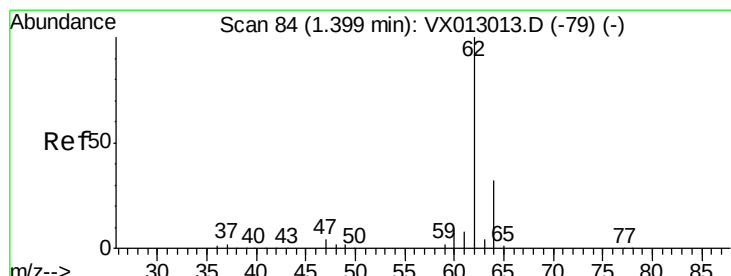
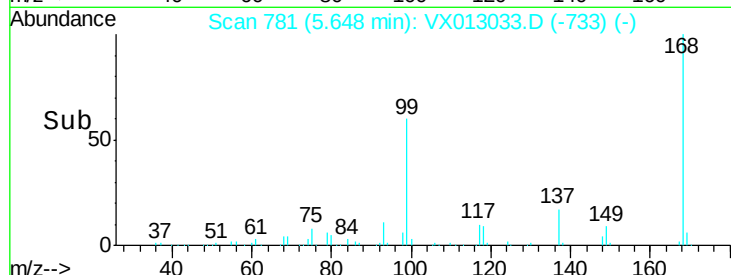
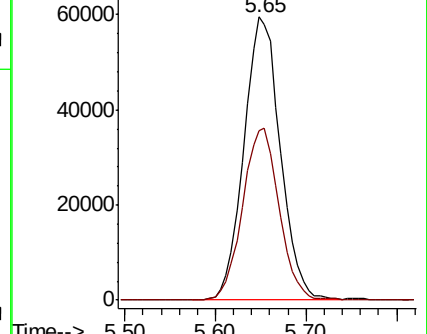
168 100

99 59.9 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.386 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013033.D

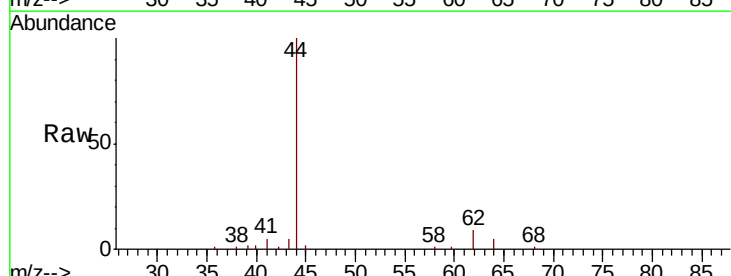
Acq: 11 Oct 2019 21:46

Tgt Ion: 62 Resp: 732

Ion Ratio Lower Upper

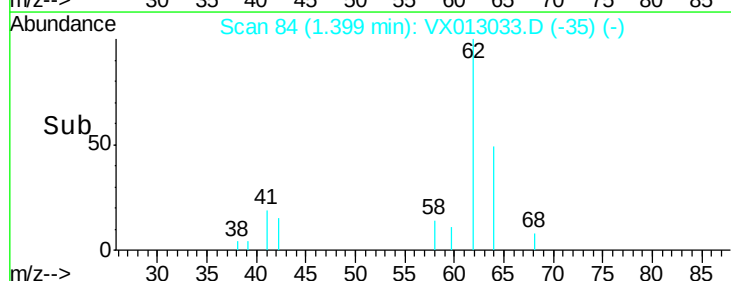
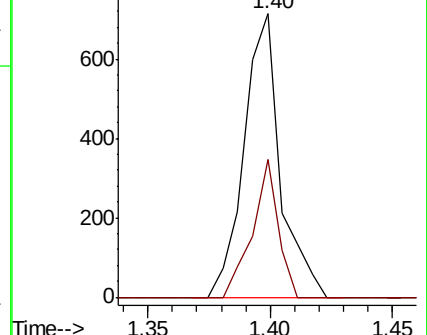
62 100

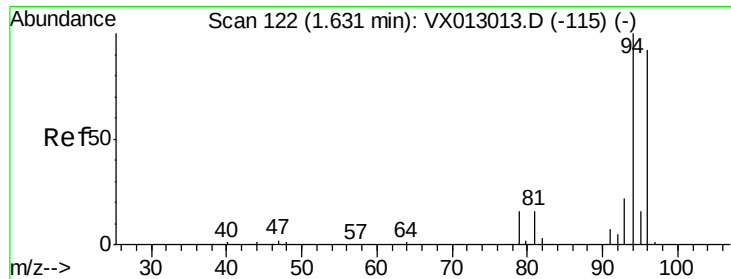
64 48.7 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 0.629 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

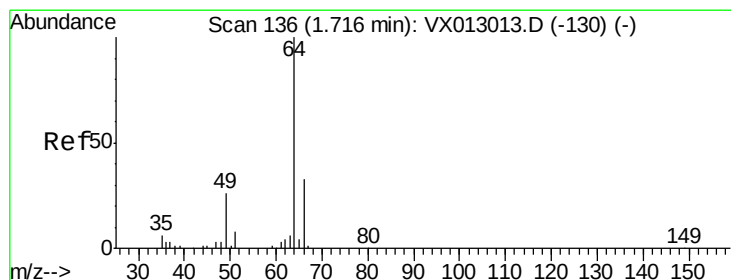
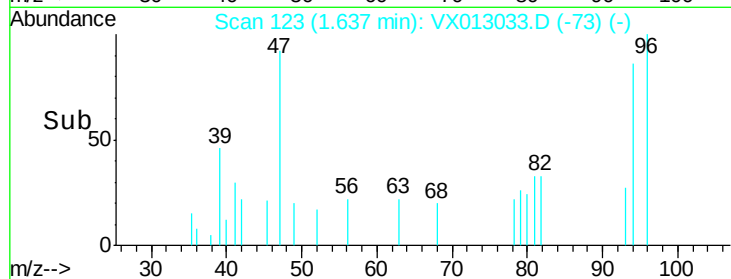
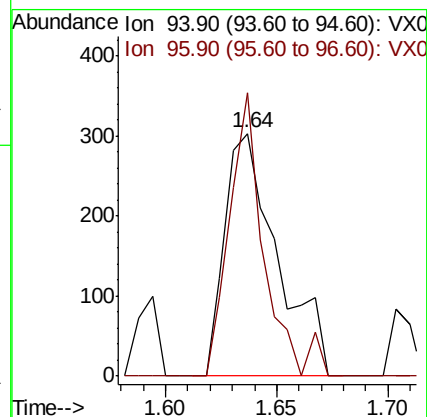
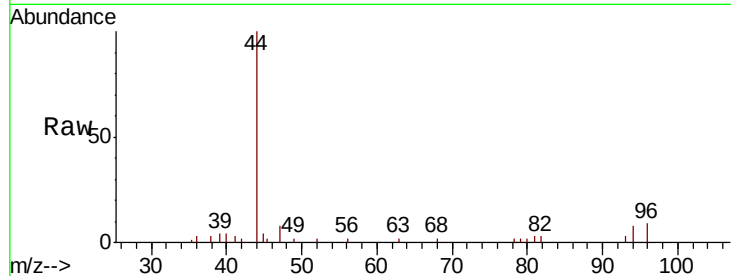
391009760.2-VOA

Tot Ion: 94 Resp: 496

Ion Ratio Lower Upper

94 100

96 116.5 74.7 112.1#



#6

Chloroethane

Concen: 0.607 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013033.D

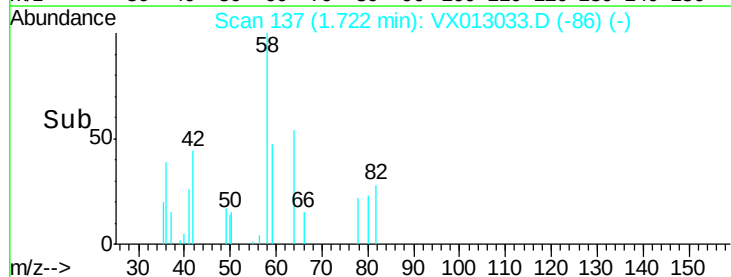
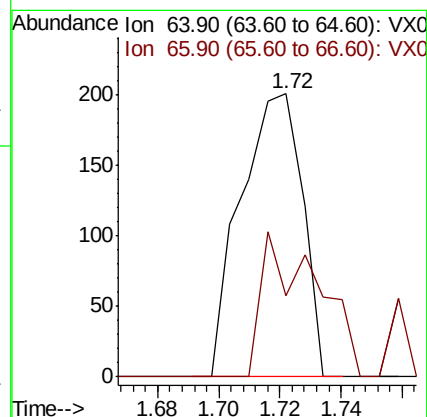
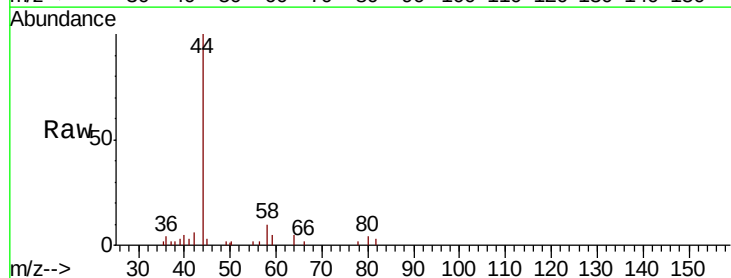
Acq: 11 Oct 2019 21:46

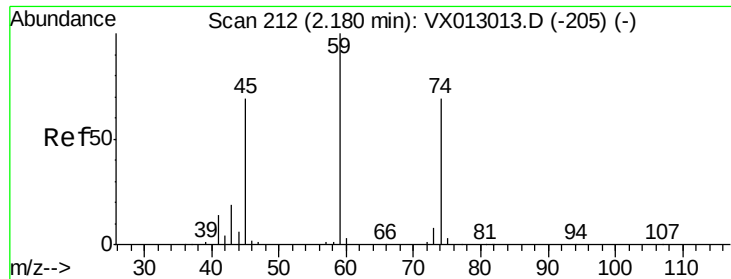
Tgt Ion: 64 Resp: 280

Ion Ratio Lower Upper

64 100

66 28.9 25.6 38.4





#8

Diethyl Ether

Concen: 6.528 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

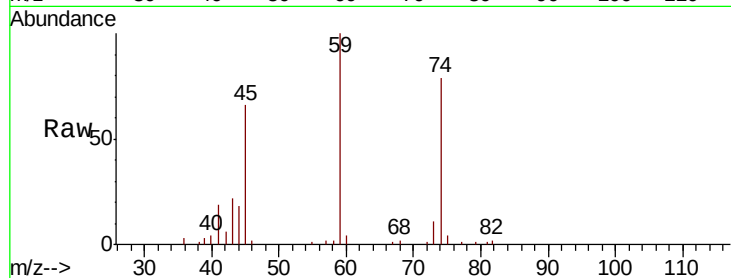
391009760.2-VOA

Tot Ion: 74 Resp: 6745

Ion Ratio Lower Upper

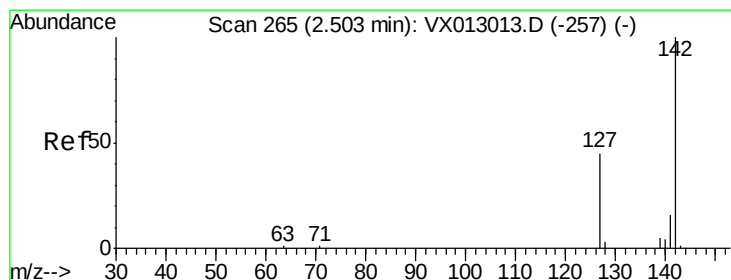
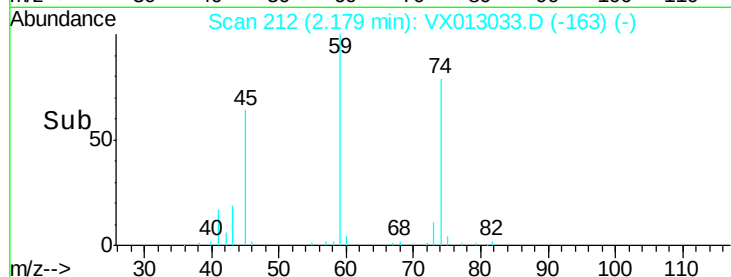
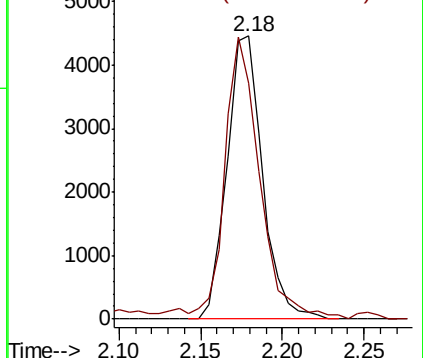
74 100

45 99.6 47.8 143.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 5.303 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

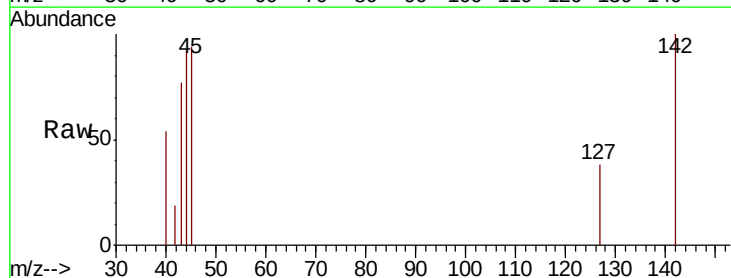
Tgt Ion: 142 Resp: 463

Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

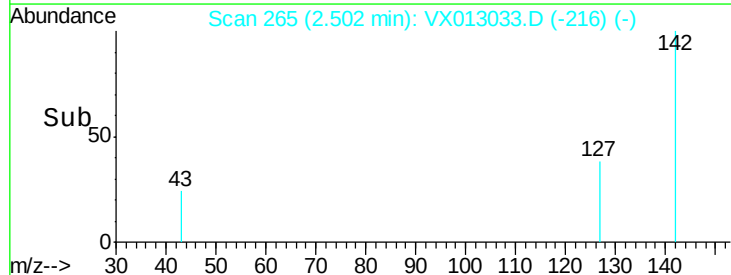
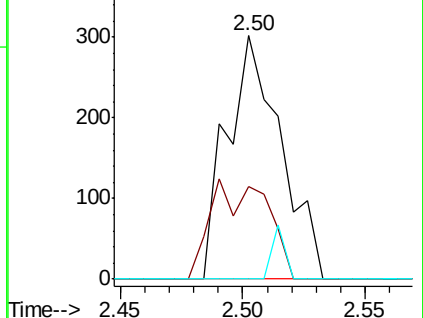
141 5.4 11.6 17.4#

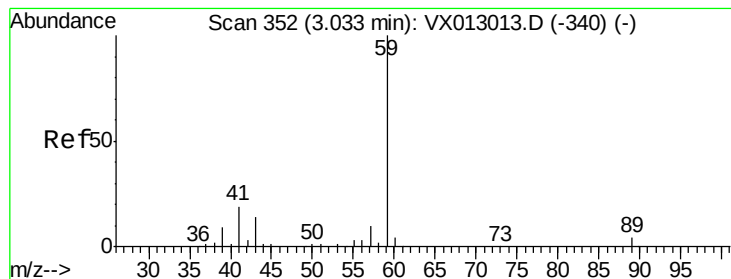


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



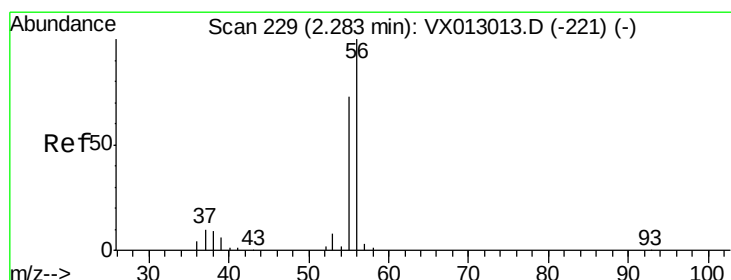
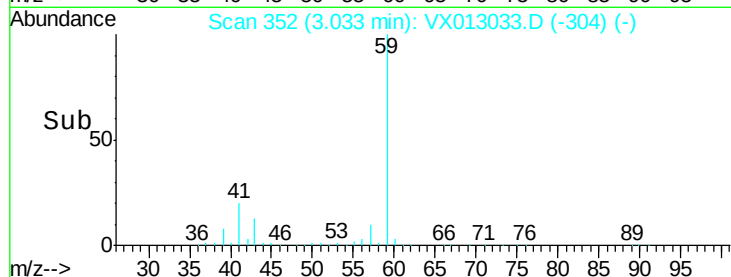
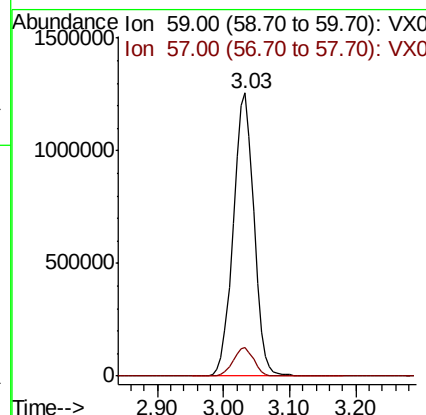
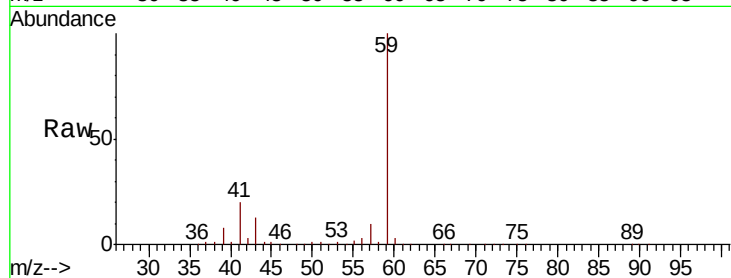


#11

Tert butyl alcohol
 Concen: 4954.363 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 391009760.2-VOA

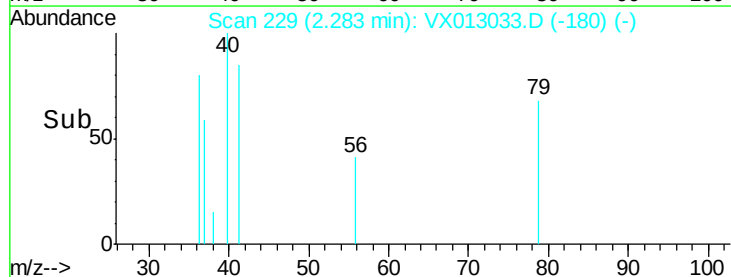
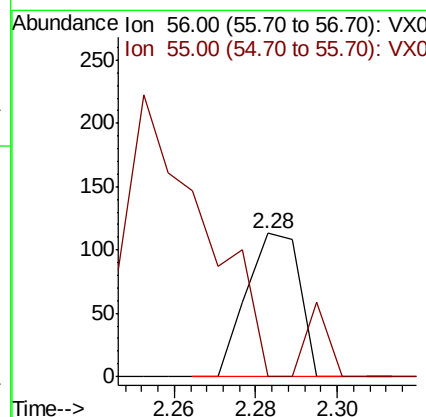
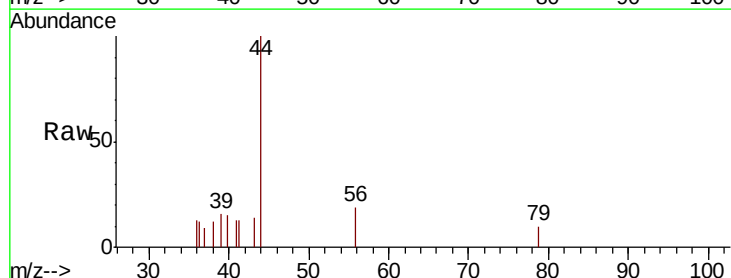
Tot Ion: 59 Resp: 2719011
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.3 12.5

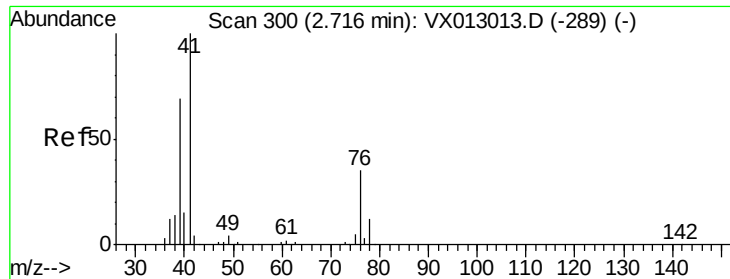


#13

Acrolein
 Concen: 0.262 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

Tgt Ion: 56 Resp: 102
 Ion Ratio Lower Upper
 56 100
 55 21.6 56.6 85.0#

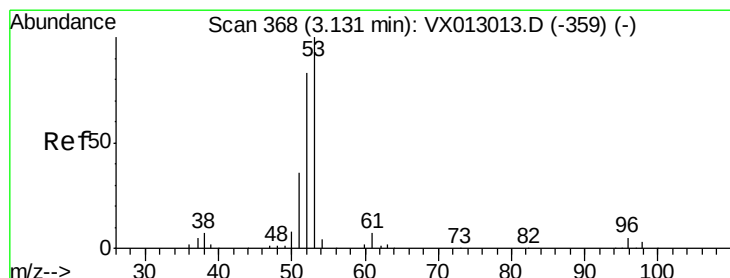
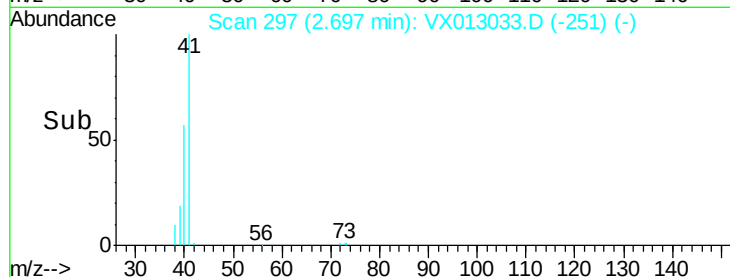
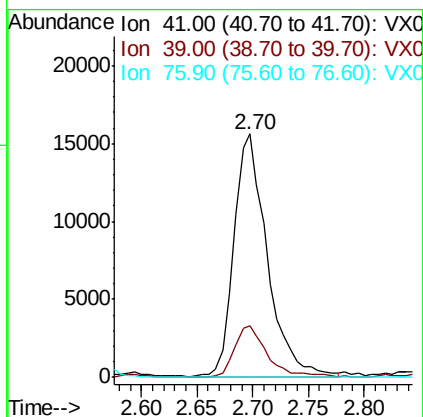
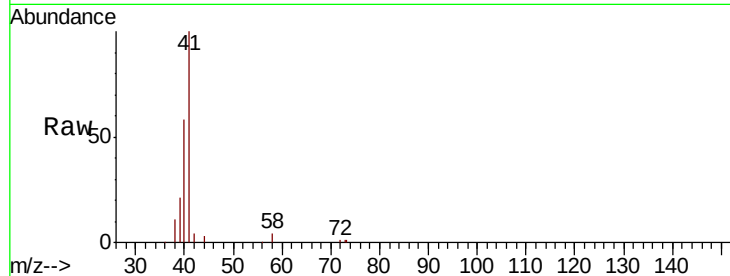




#14
Allvl chloride
Concen: 10.767 ug/l
RT: 2.70 min Scan# 297
Delta R.T. -0.02 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

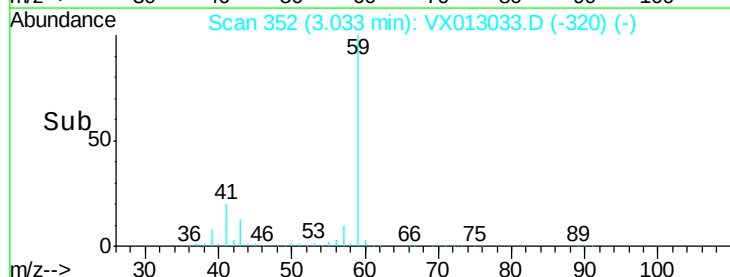
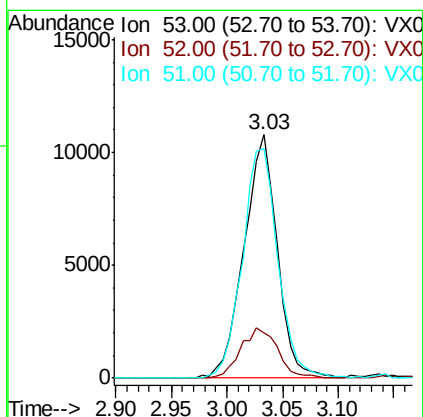
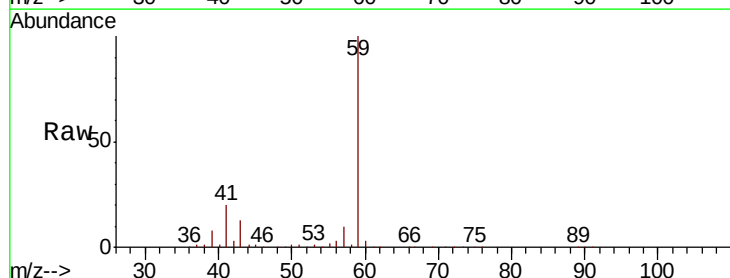
Instrument :
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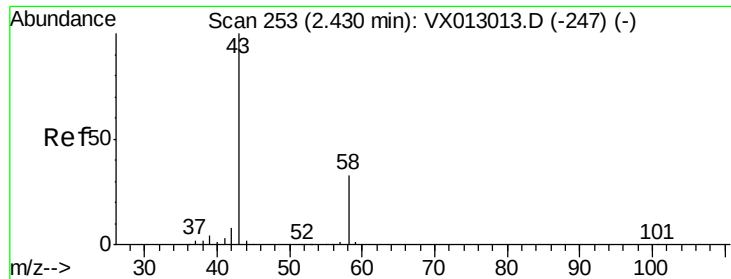
Tot Ion: 41 Resp: 32095
Ion Ratio Lower Upper
41 100
39 21.3 51.0 76.6#
76 0.0 26.2 39.4#



#15
Acrylonitrile
Concen: 21.616 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.10 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 53 Resp: 22481
Ion Ratio Lower Upper
53 100
52 22.7 66.2 99.2#
51 100.7 28.2 42.4#





#16

Acetone

Concen: 22.179 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

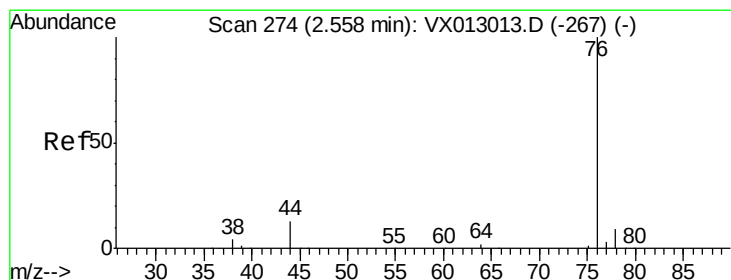
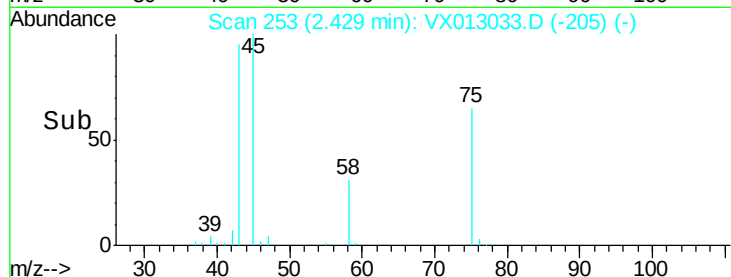
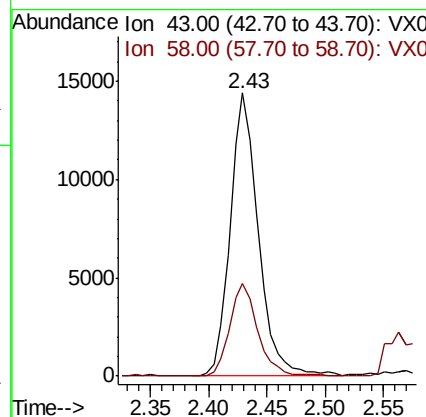
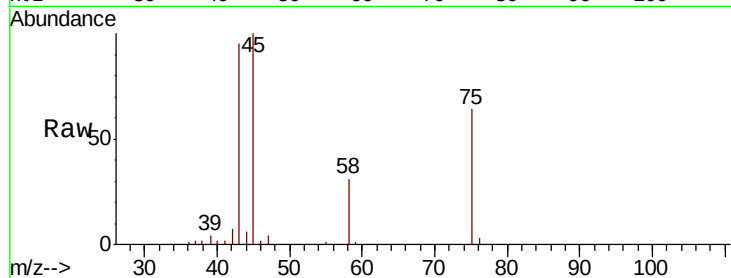
391009760.2-VOA

Tot Ion: 43 Resp: 24203

Ion Ratio Lower Upper

43 100

58 32.7 25.4 38.2



#17

Carbon Disulfide

Concen: 0.438 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013033.D

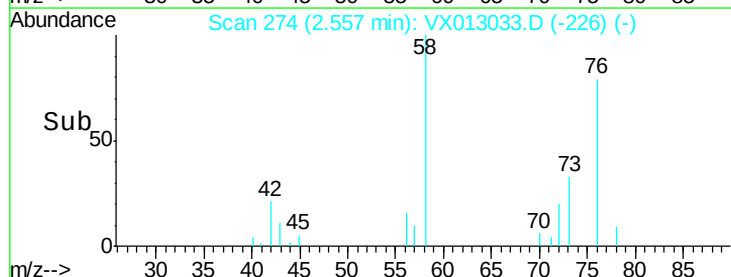
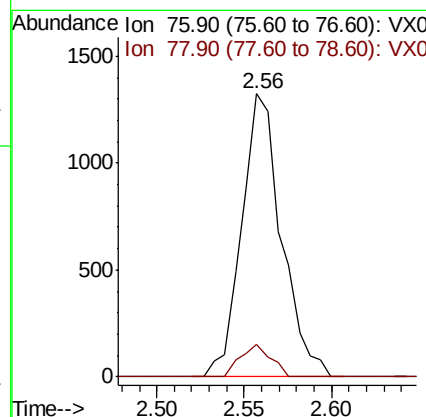
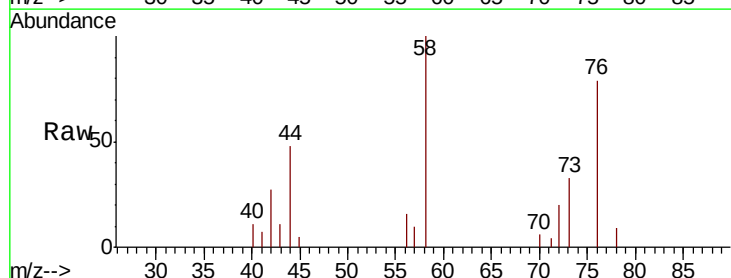
Acq: 11 Oct 2019 21:46

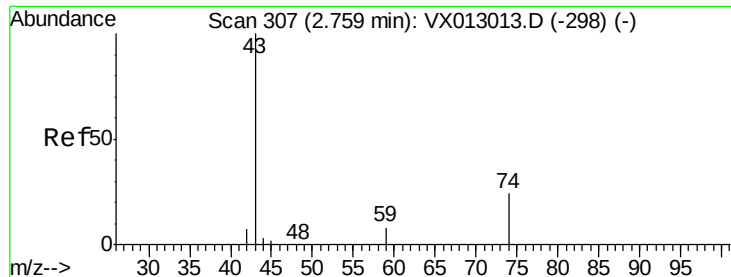
Tgt Ion: 76 Resp: 2091

Ion Ratio Lower Upper

76 100

78 11.3 7.1 10.7#

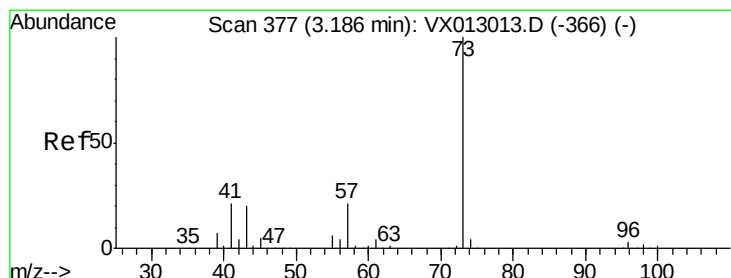
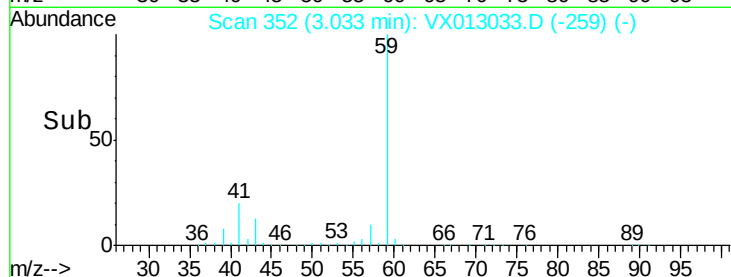
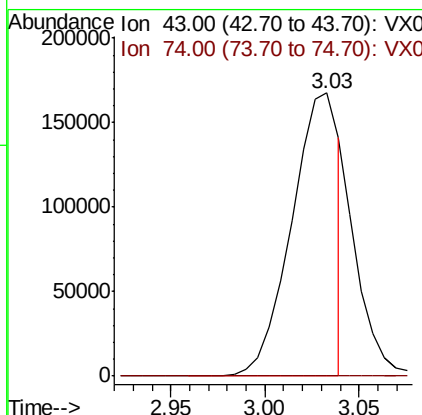
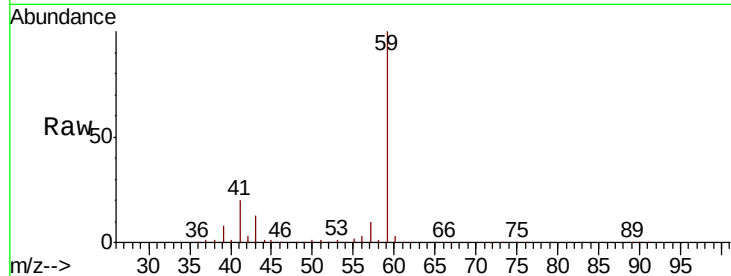




#18
Methvl Acetate
Concen: 113.171 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.27 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

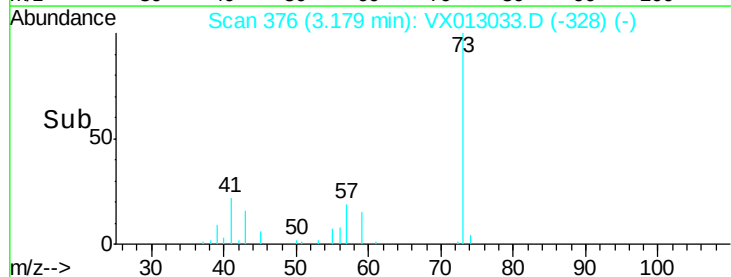
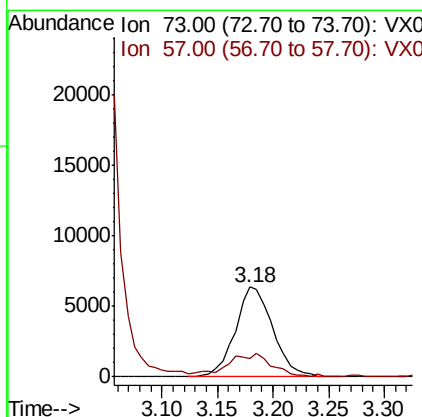
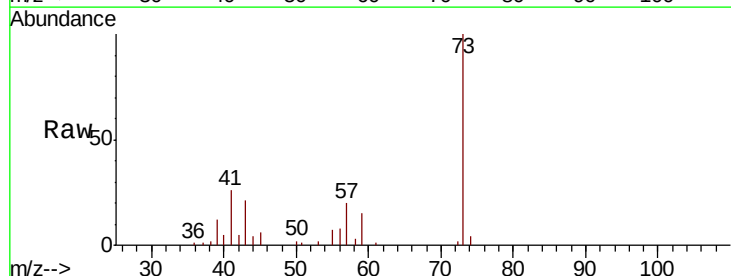
Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

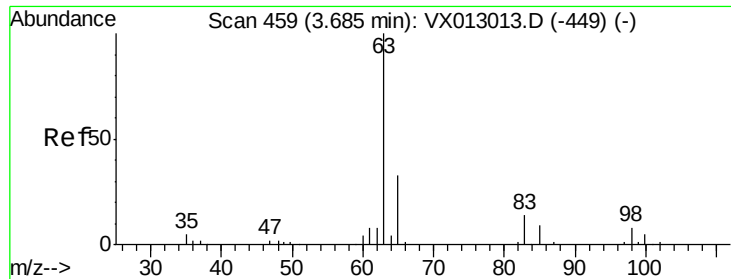
Tot Ion: 43 Resp: 292720
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#19
Methyl tert-butyl Ether
Concen: 2.578 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 73 Resp: 14900
Ion Ratio Lower Upper
73 100
57 19.1 17.8 26.6

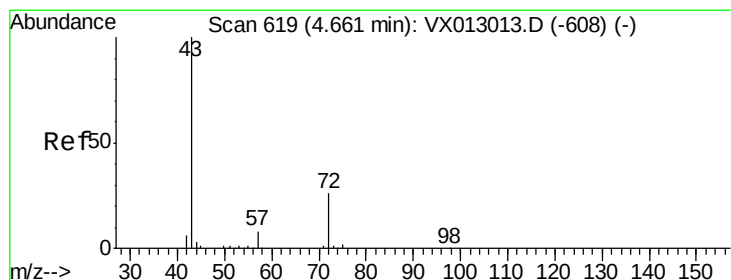
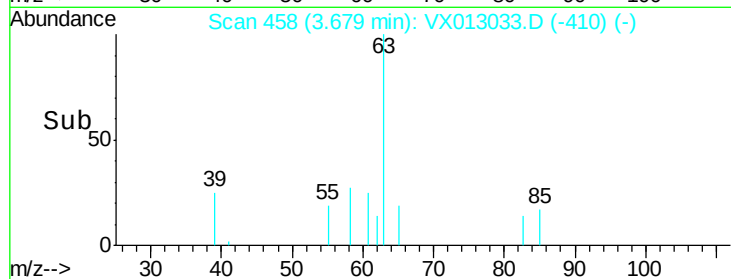
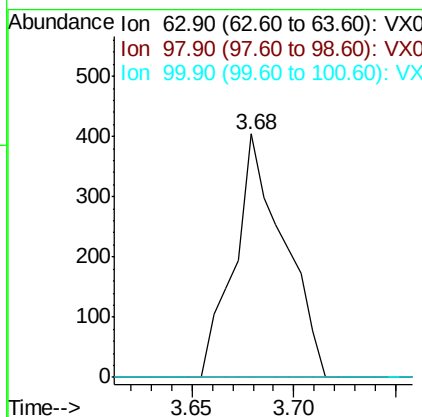
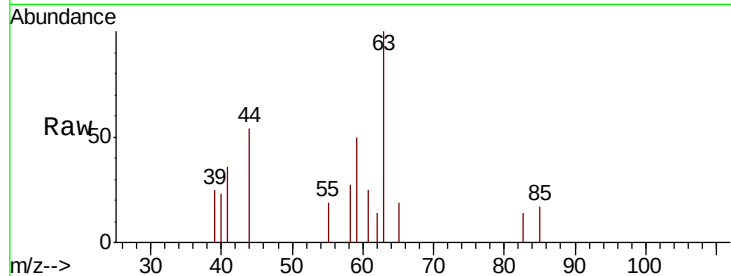




#24
 1,1-Dichloroethane
 Concen: 0.212 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

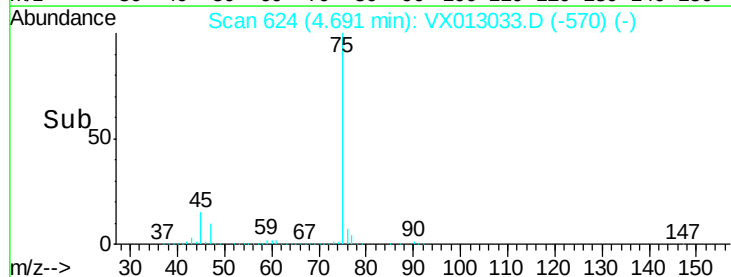
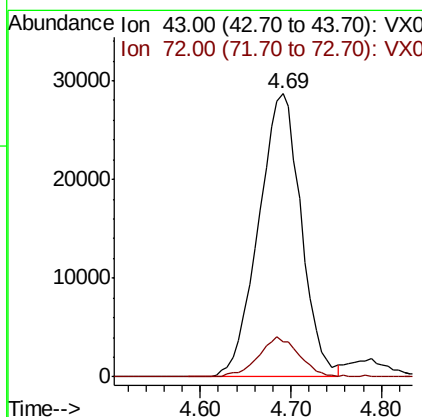
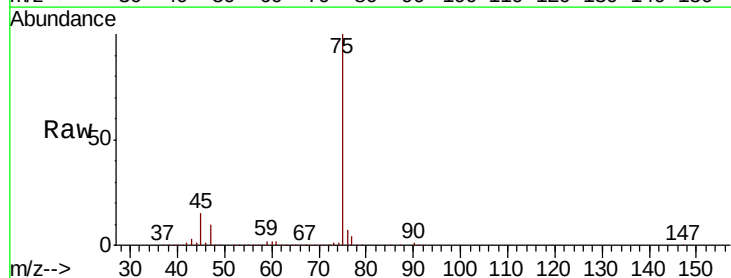
Instrument :
 MSVOA_X
 ClientSampleId :
 391009760.2-VOA

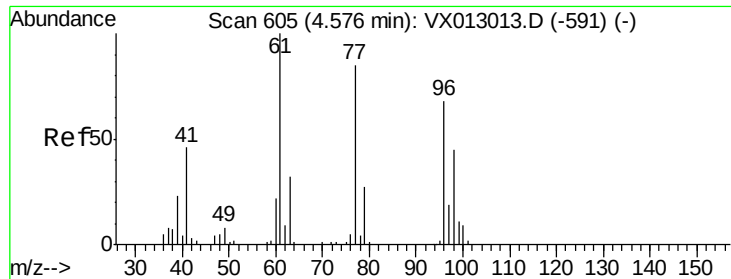
Tot Ion: 63 Resp: 682
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.5#
 100 0.0 2.3 6.9#



#25
 2-Butanone
 Concen: 61.432 ug/l
 RT: 4.69 min Scan# 624
 Delta R.T. 0.03 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

Tgt Ion: 43 Resp: 93005
 Ion Ratio Lower Upper
 43 100
 72 12.4 21.0 31.6#

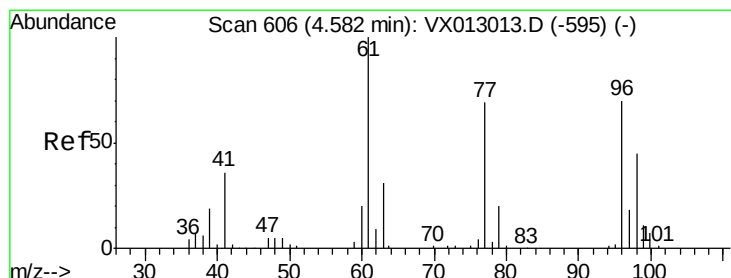
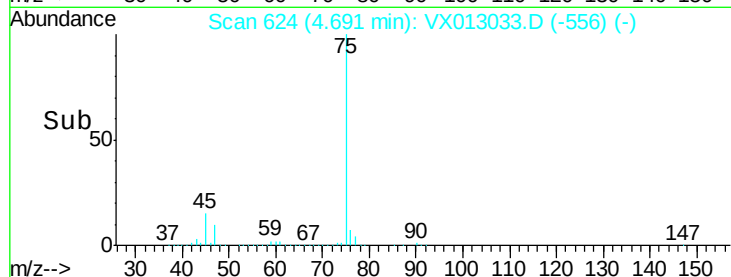
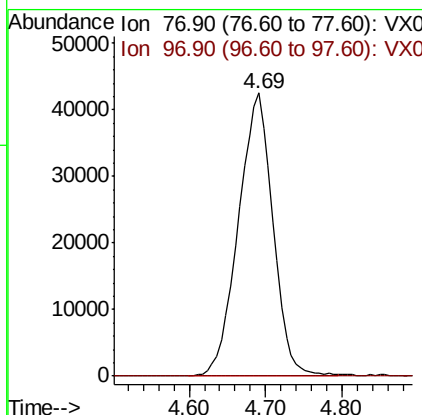
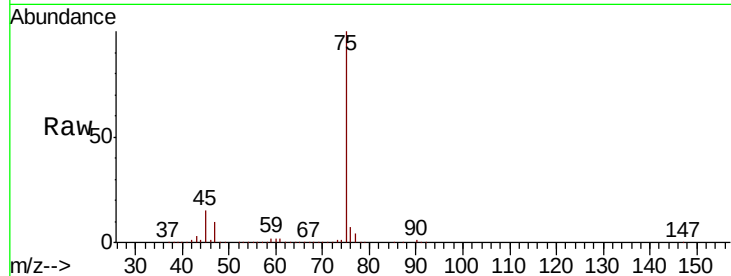




#26
 2,2-Dichloropropane
 Concen: 49.463 ug/l
 RT: 4.69 min Scan# 624
 Delta R.T. 0.12 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

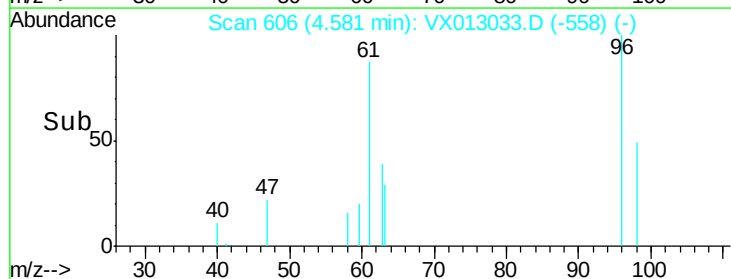
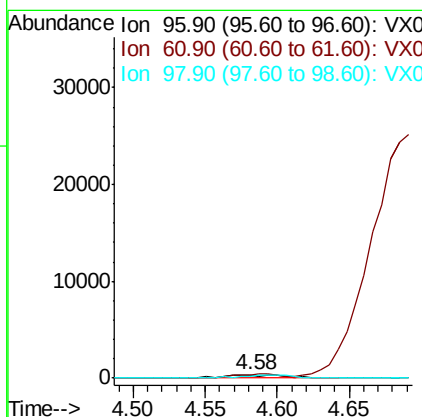
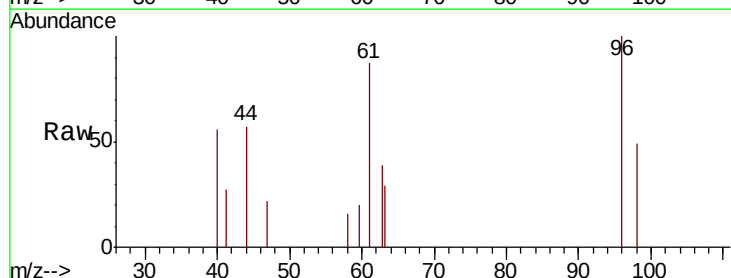
Instrument :
 MSVOA_X
 ClientSampleId :
 391009760.2-VOA

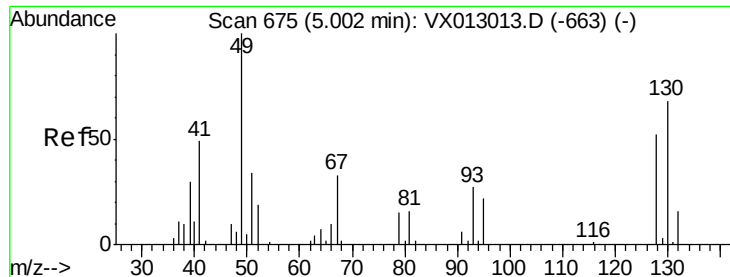
Tot Ion: 77 Resp: 133660
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.3 33.9#



#27
 cis-1,2-Dichloroethene
 Concen: 0.448 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

Tgt Ion: 96 Resp: 926
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 290.6
 98 85.1 0.0 128.8





#28

Bromochloromethane

Concen: 1.346 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.10 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

391009760.2-VOA

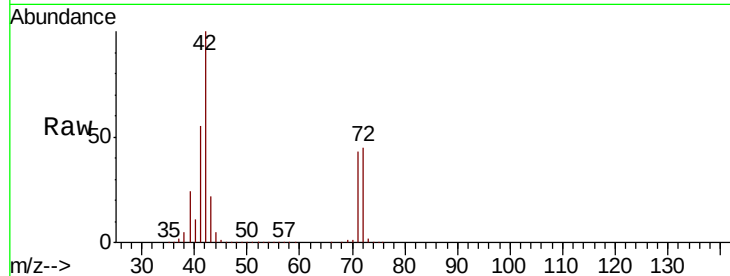
Tot Ion: 49 Resp: 1711

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

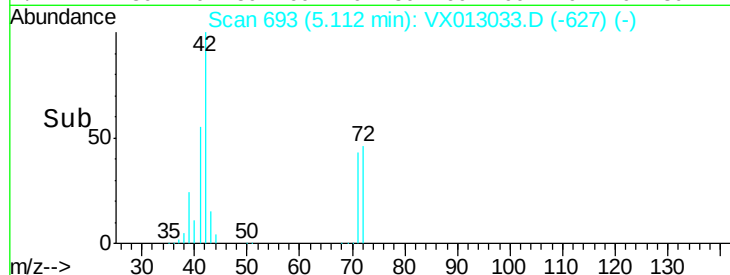
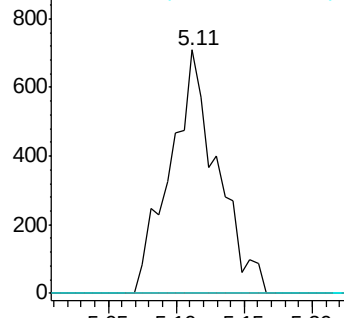
130 0.0 62.1 93.1#



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: 846.763 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

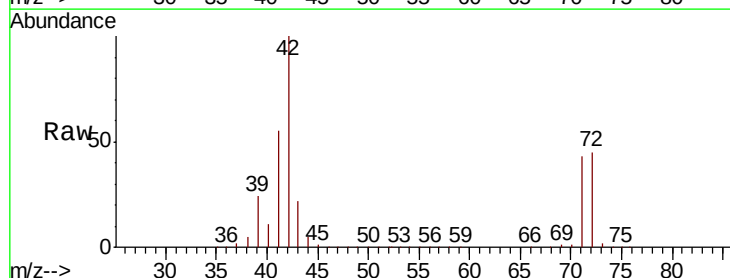
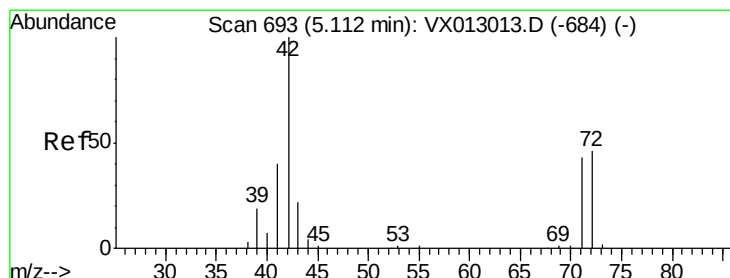
Tgt Ion: 42 Resp: 788871

Ion Ratio Lower Upper

42 100

72 45.5 36.9 55.3

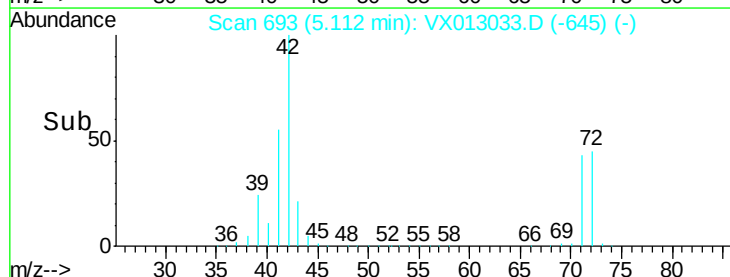
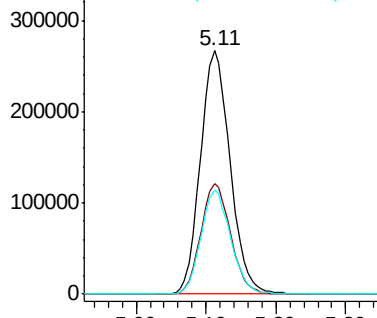
71 42.8 33.5 50.3

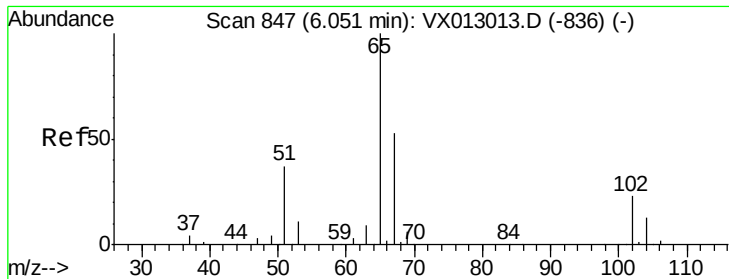


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

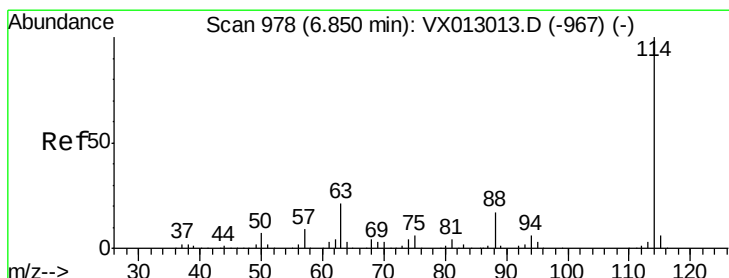
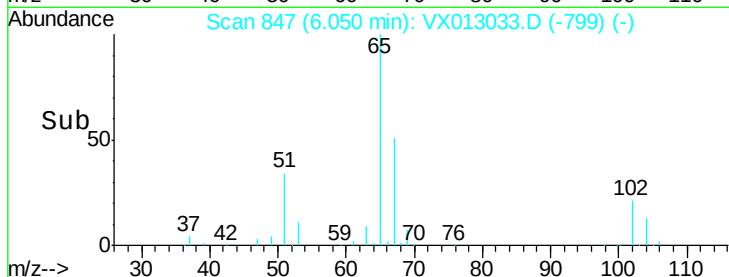
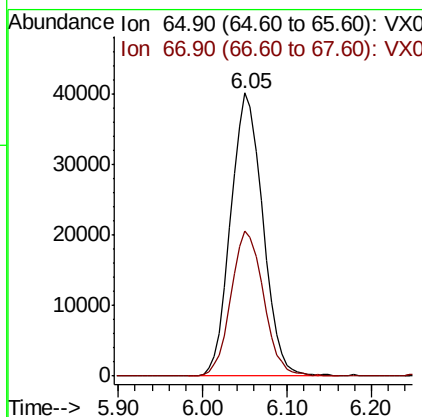
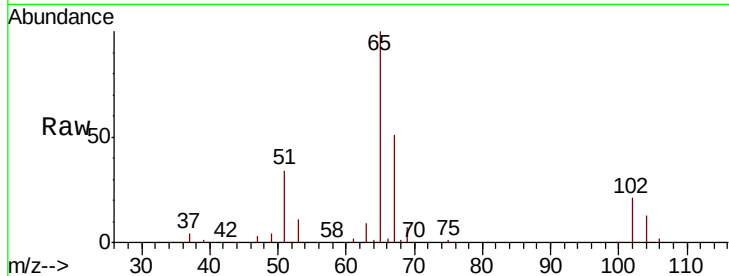




#33
 1,2-Dichloroethane-d4
 Concen: 50.174 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

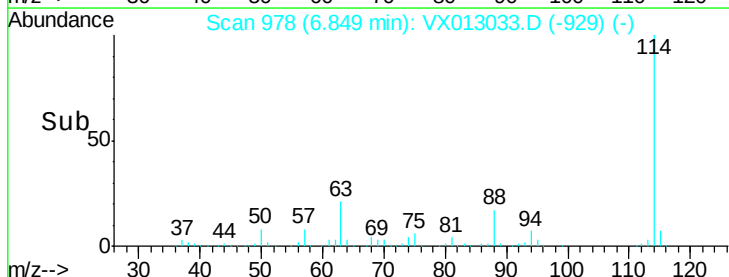
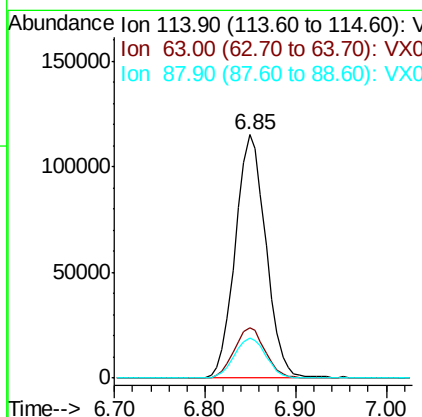
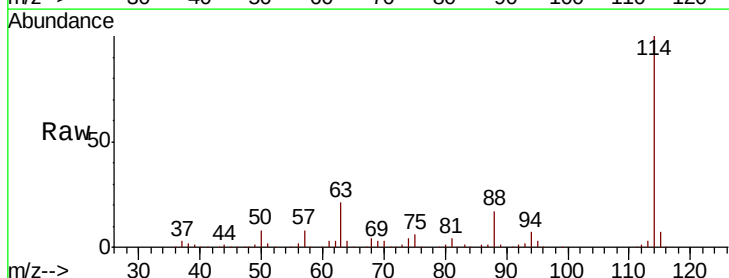
Instrument :
 MSVOA_X
 ClientSampleId :
 391009760.2-VOA

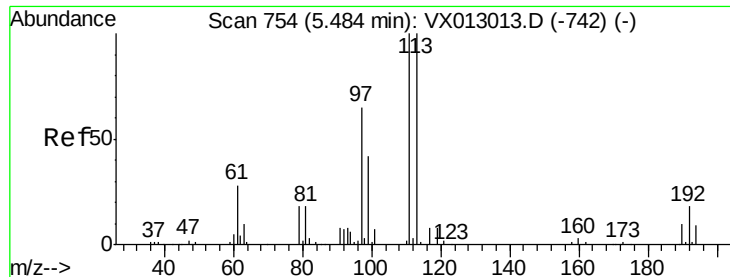
Tot Ion: 65 Resp: 103874
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

Tgt Ion: 114 Resp: 269842
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.307 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

391009760.2-VOA

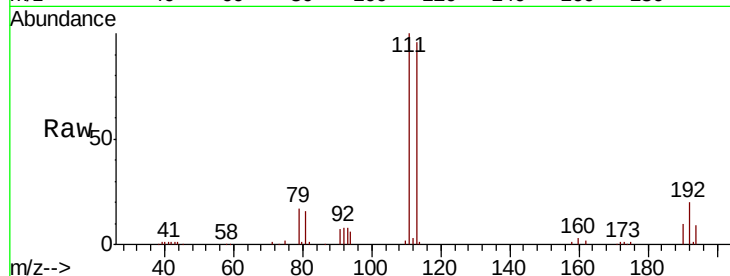
Tot Ion:113 Resp: 77913

Ion Ratio Lower Upper

113 100

111 102.4 83.2 124.8

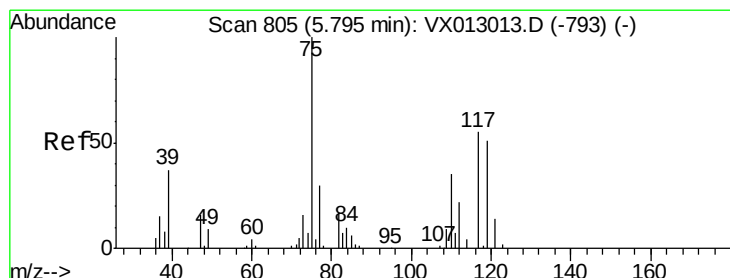
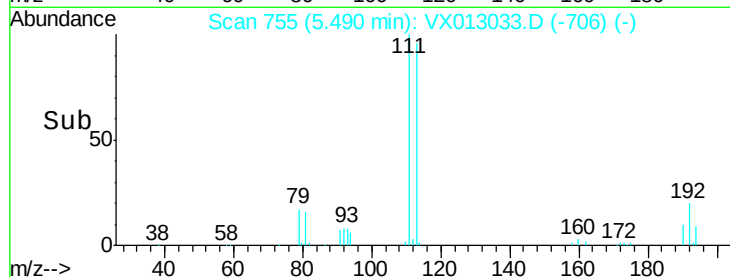
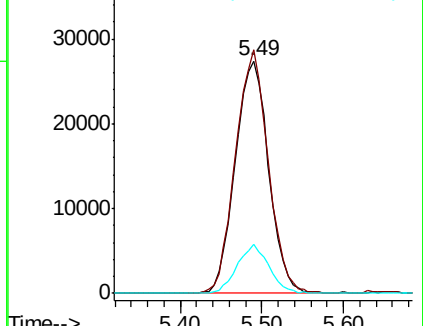
192 19.9 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.628 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

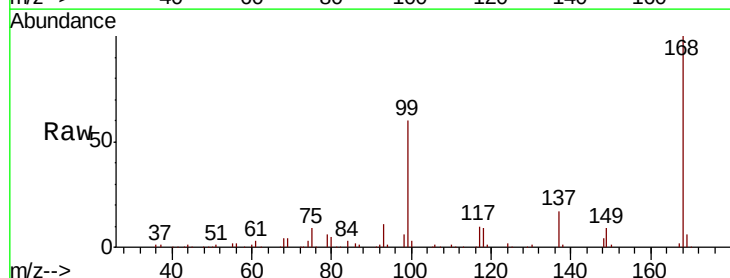
Tgt Ion: 75 Resp: 13353

Ion Ratio Lower Upper

75 100

110 9.4 17.6 52.9#

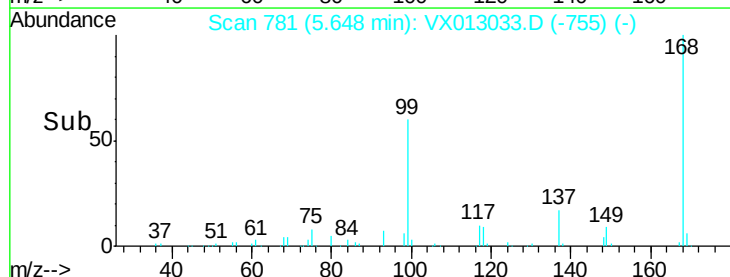
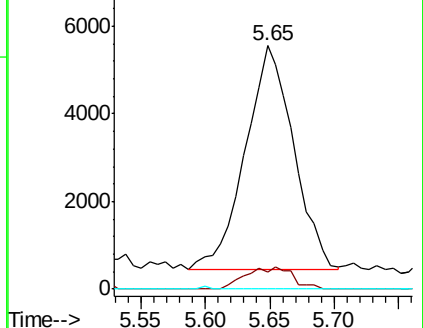
77 0.0 24.4 36.6#

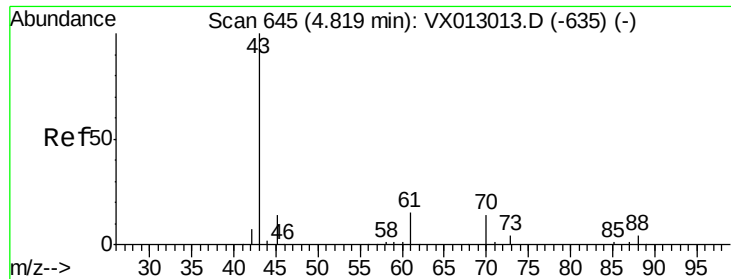


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

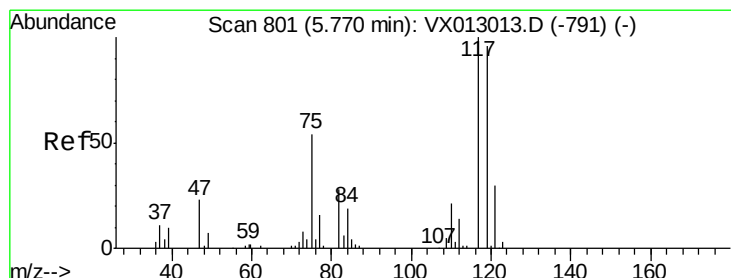
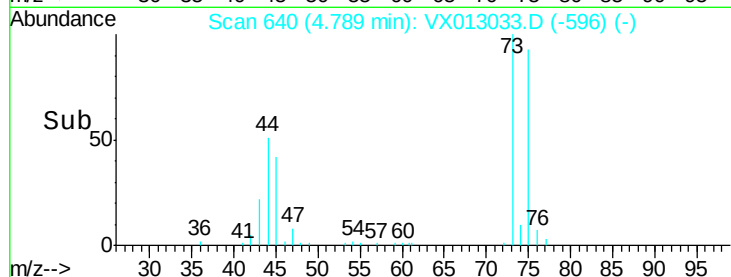
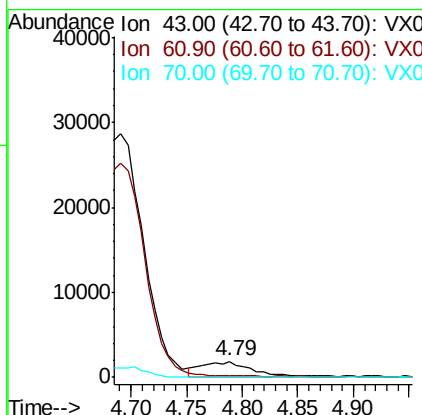
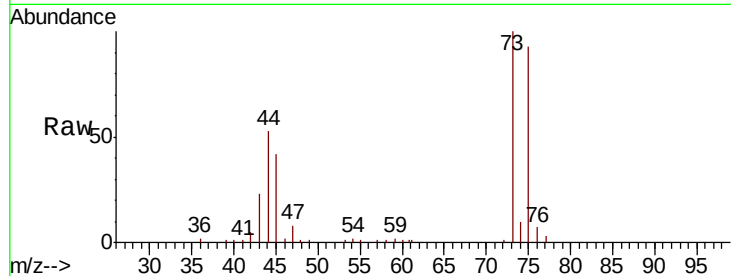




#37
Ethyl Acetate
Concen: 2.069 ug/l
RT: 4.79 min Scan# 640
Delta R.T. -0.03 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

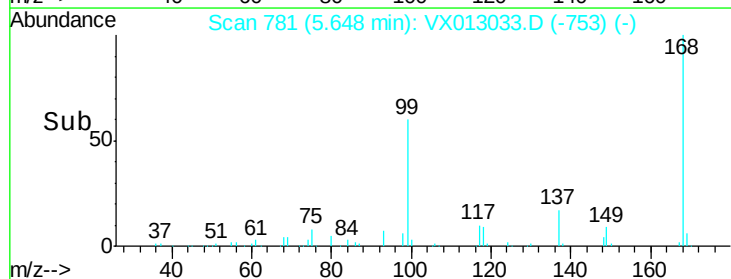
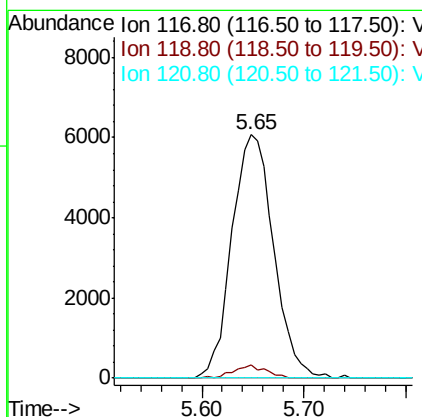
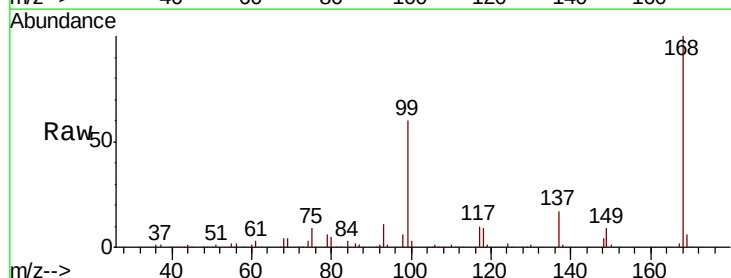
Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

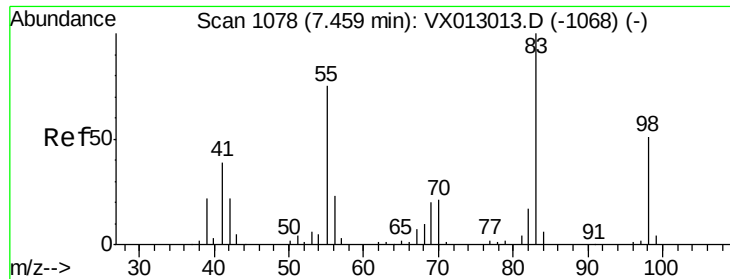
Tot Ion: 43 Resp: 5489
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.452 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 117 Resp: 17209
Ion Ratio Lower Upper
117 100
119 5.5 74.5 111.7#
121 0.0 24.2 36.4#

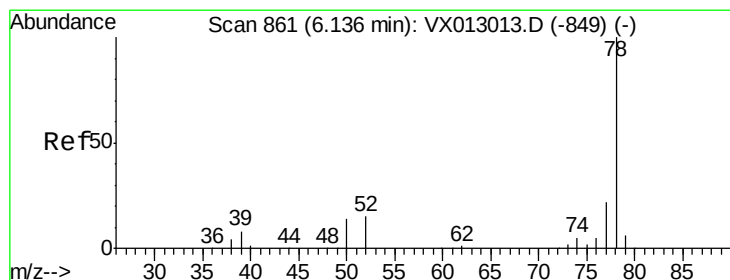
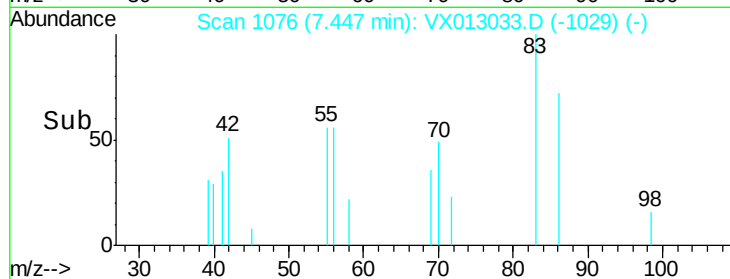
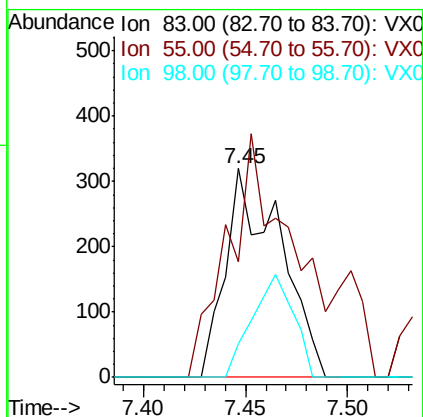
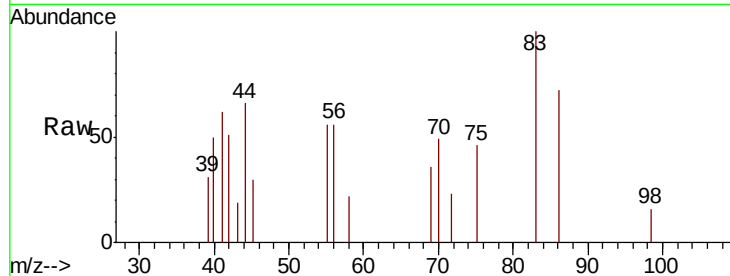




#39
Methylvlcyclohexane
Concen: 0.206 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

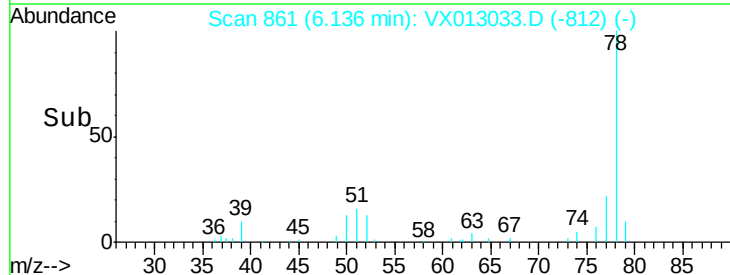
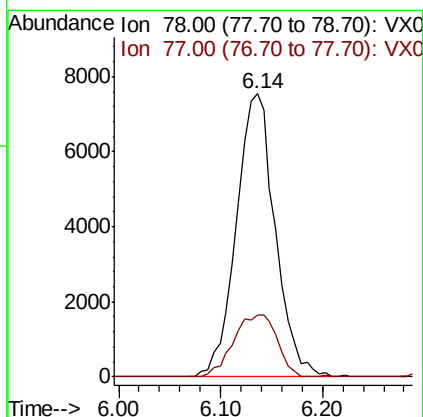
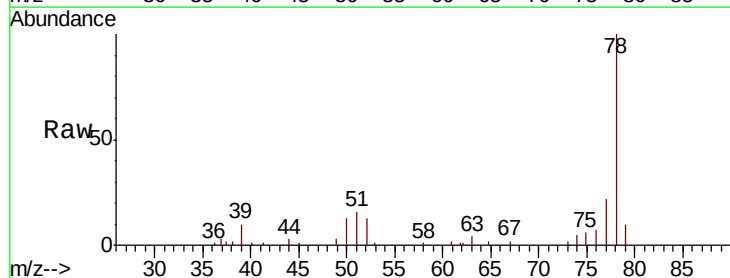
Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

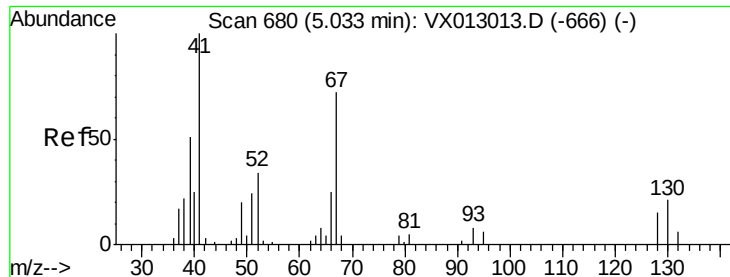
Tot Ion: 83 Resp: 593
Ion Ratio Lower Upper
83 100
55 55.6 60.2 90.4#
98 16.3 38.5 57.7#



#40
Benzene
Concen: 2.846 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 78 Resp: 19939
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.4

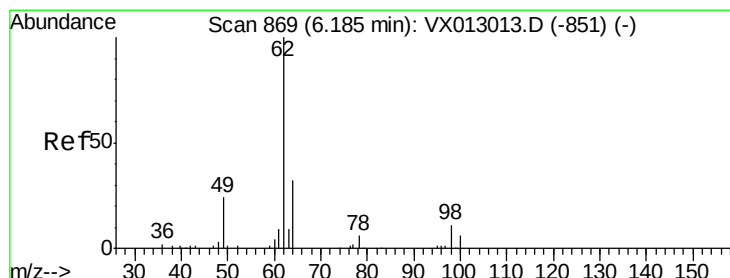
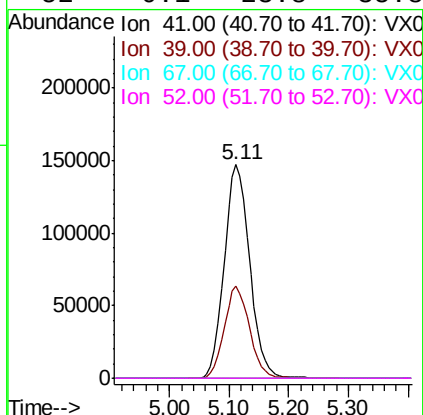
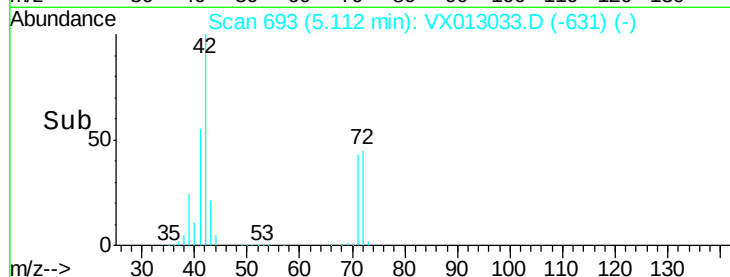
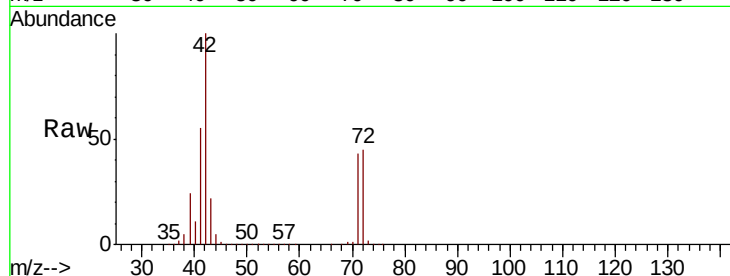




#41
Methacrylonitrile
Concen: 299.429 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.08 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

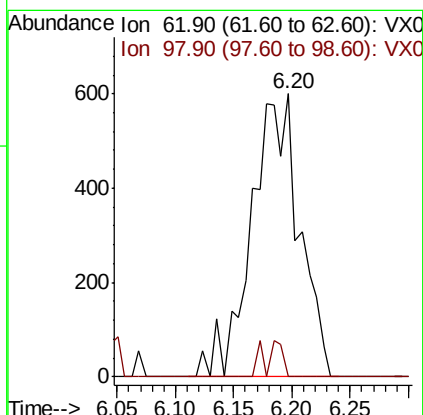
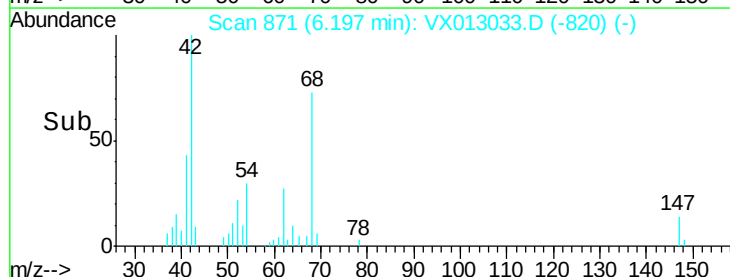
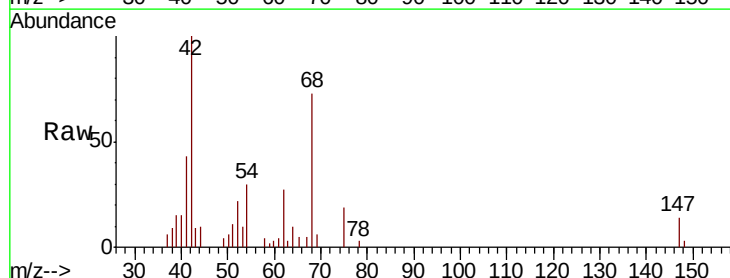
Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

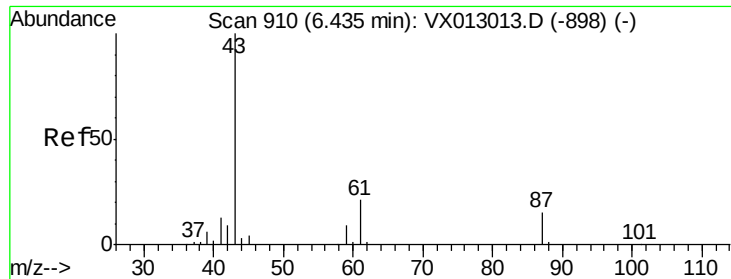
Tot Ion: 41 Resp: 436484
Ion Ratio Lower Upper
41 100
39 42.6 44.0 66.0#
67 0.0 58.5 87.7#
52 0.1 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 0.685 ug/l
RT: 6.20 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 62 Resp: 1722
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4





#43

Isopropyl Acetate

Concen: 0.753 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

391009760.2-VOA

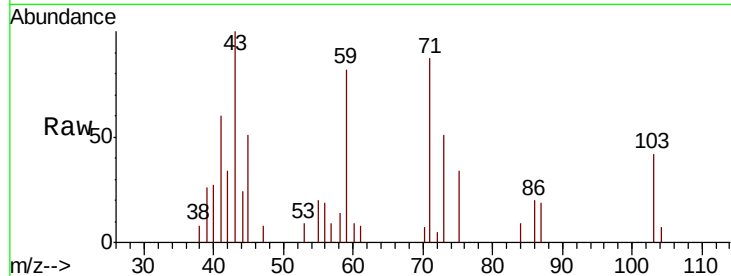
Tot Ion: 43 Resp: 3205

Ion Ratio Lower Upper

43 100

61 3.1 16.6 24.8#

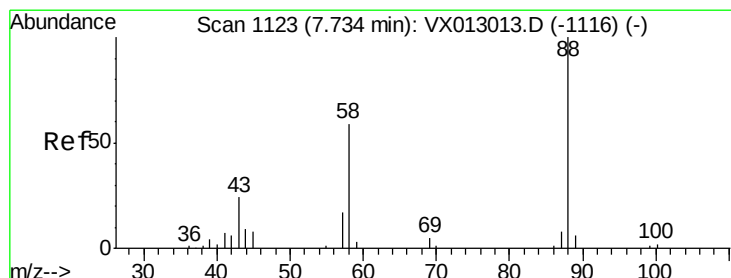
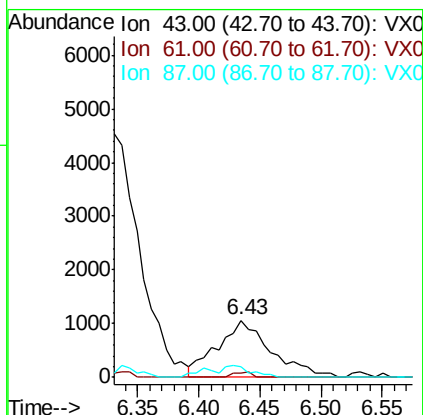
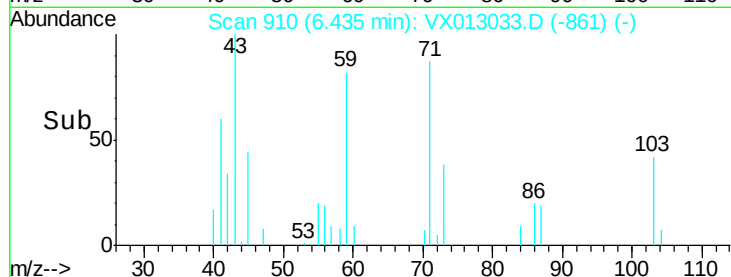
87 10.4 11.0 16.6#



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



#49

1,4-Dioxane

Concen: 142.021 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

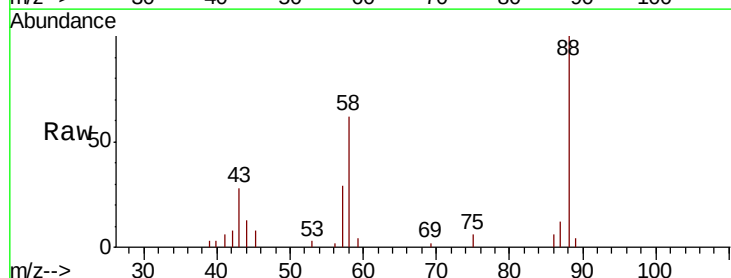
Tgt Ion: 88 Resp: 6171

Ion Ratio Lower Upper

88 100

43 33.4 25.0 37.6

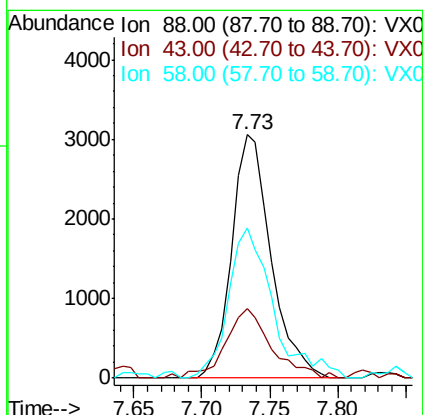
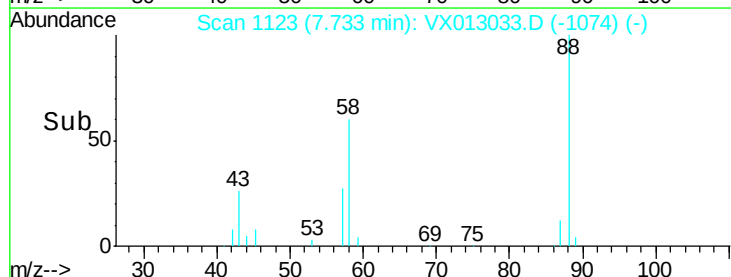
58 70.2 55.4 83.2

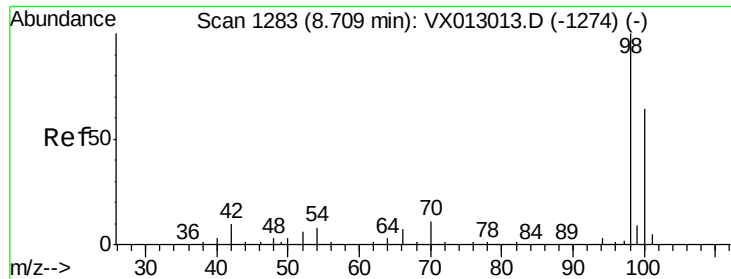


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

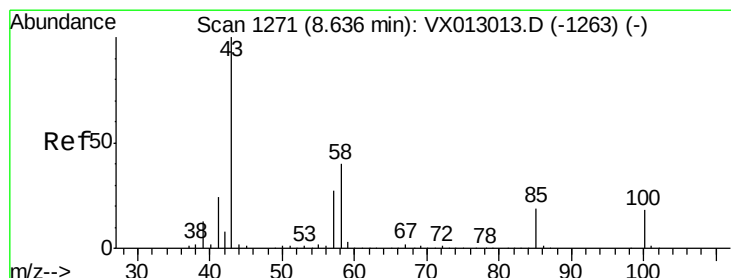
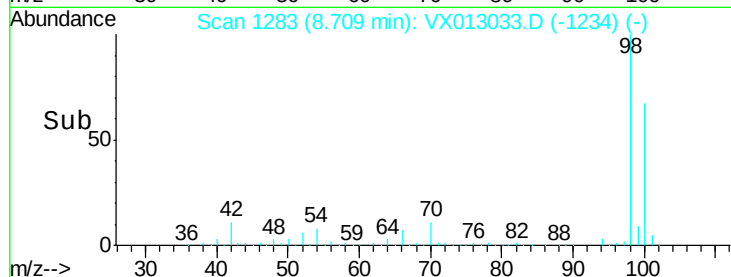
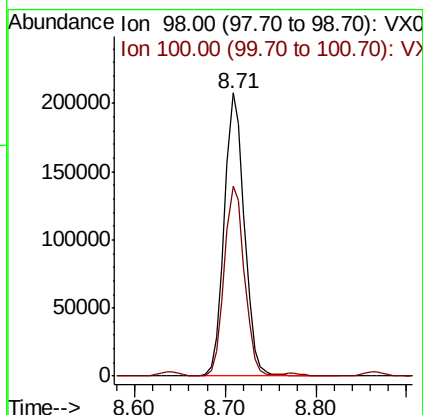
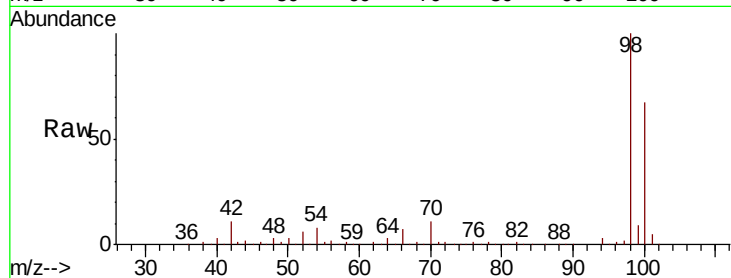




#50
Toluene-d8
Concen: 53.048 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

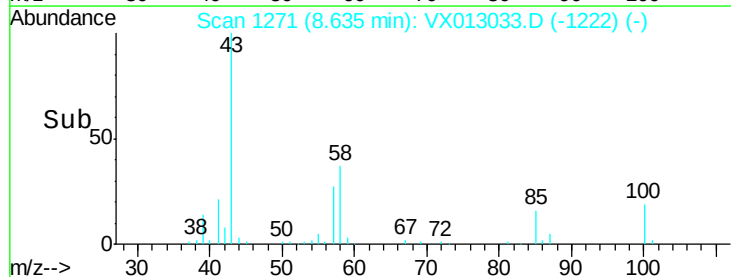
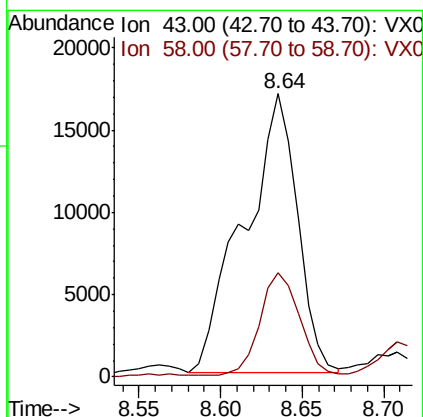
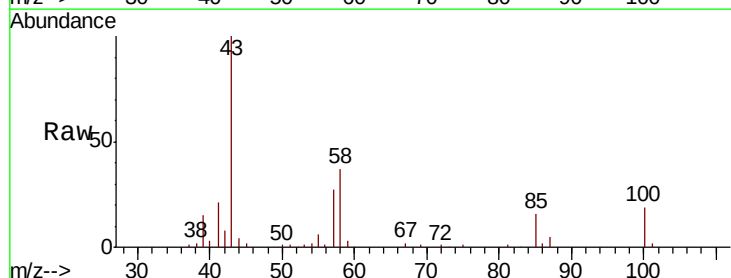
Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

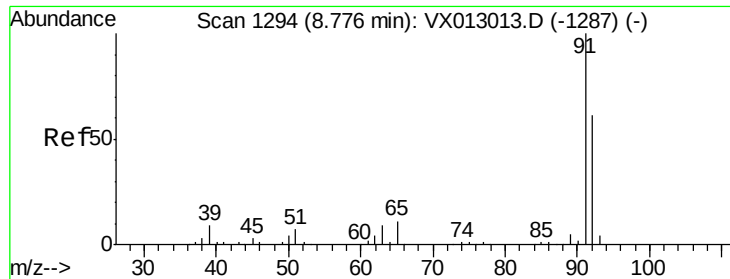
Tot Ion: 98 Resp: 320436
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 14.537 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 43 Resp: 38591
Ion Ratio Lower Upper
43 100
58 28.0 32.4 48.6#





#52

Toluene

Concen: 2.588 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

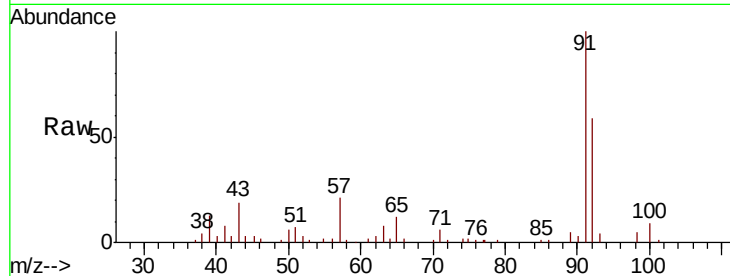
391009760.2-VOA

Tot Ion: 92 Resp: 11600

Ion Ratio Lower Upper

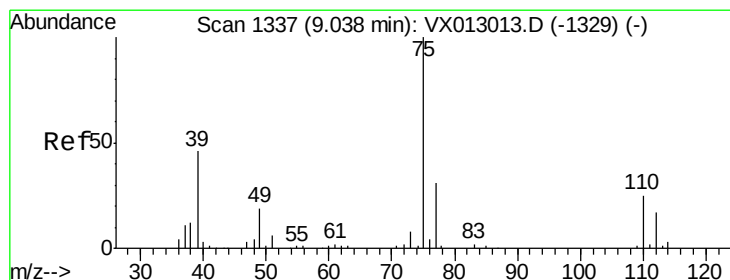
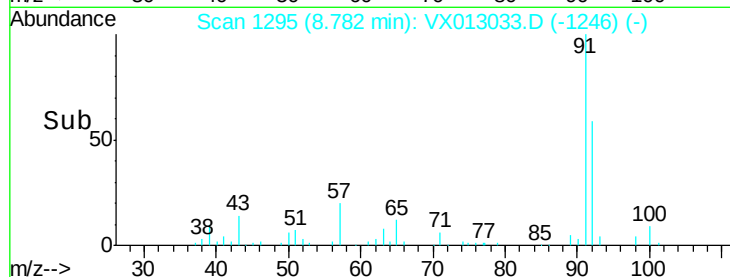
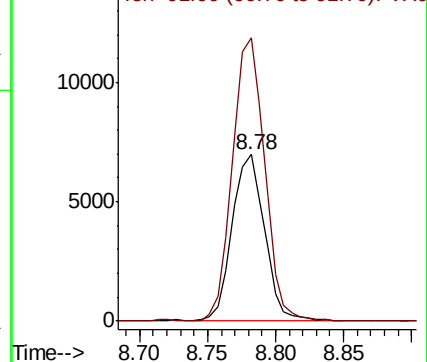
92 100

91 168.8 135.9 203.9



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: 2.343 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013033.D

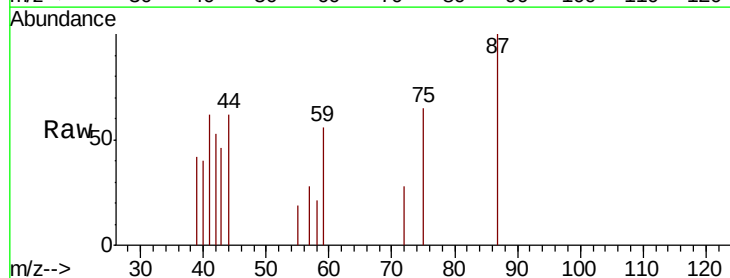
Acq: 11 Oct 2019 21:46

Tgt Ion: 75 Resp: 529

Ion Ratio Lower Upper

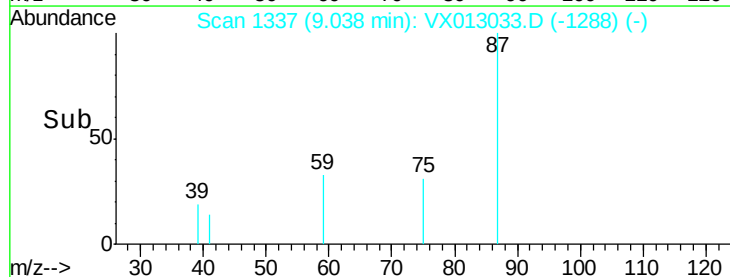
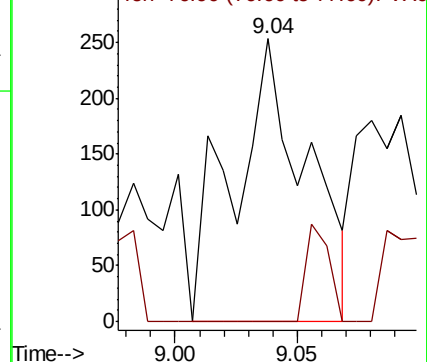
75 100

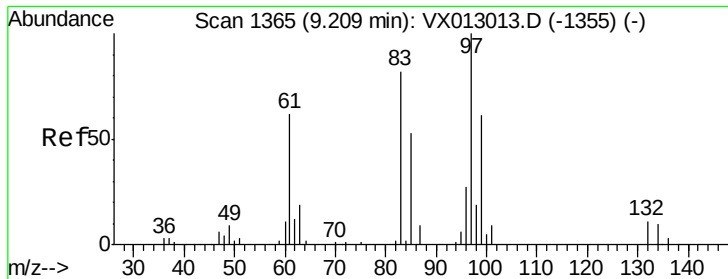
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

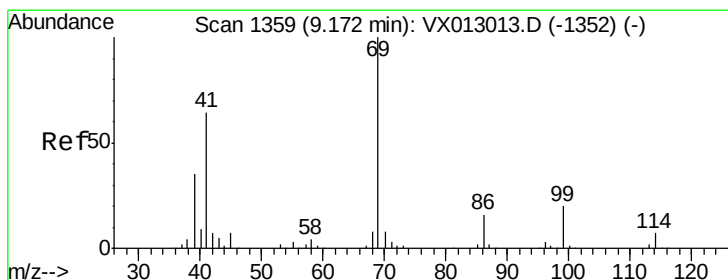
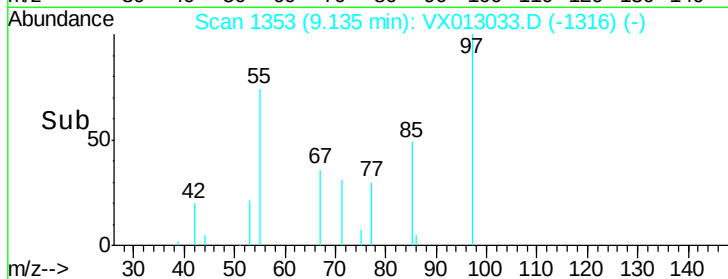
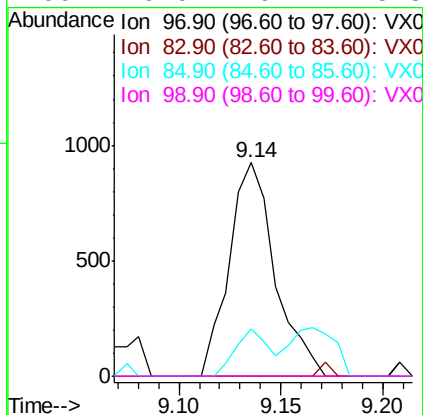
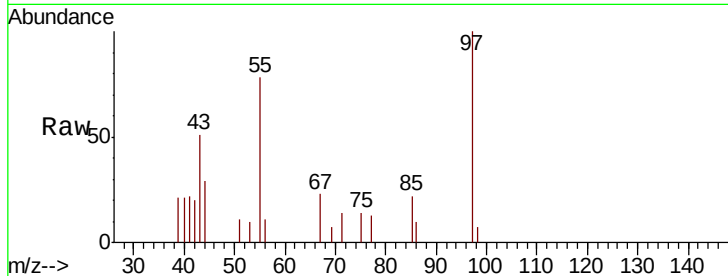




#55
 1,1,2-Trichloroethane
 Concen: 0.813 ug/l
 RT: 9.14 min Scan# 1353
 Delta R.T. -0.07 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

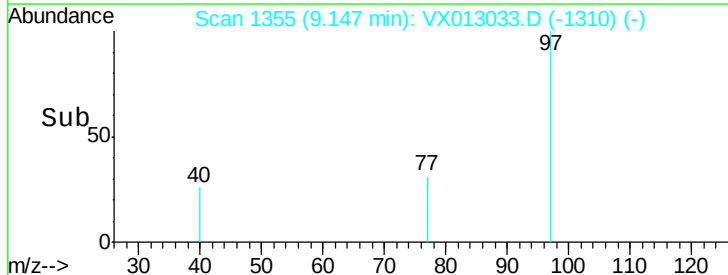
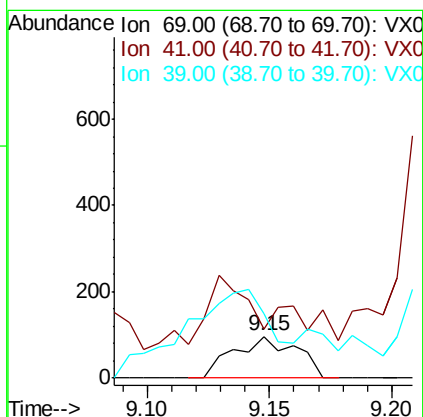
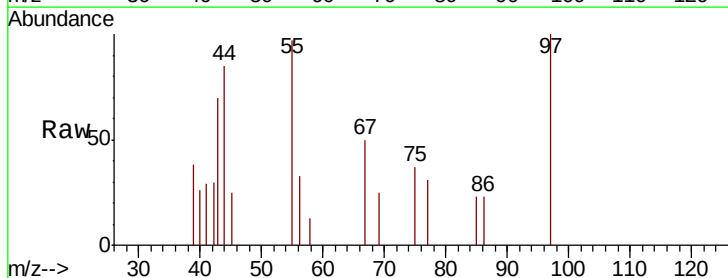
Instrument :
 MSVOA_X
 ClientSampleId :
 391009760.2-VOA

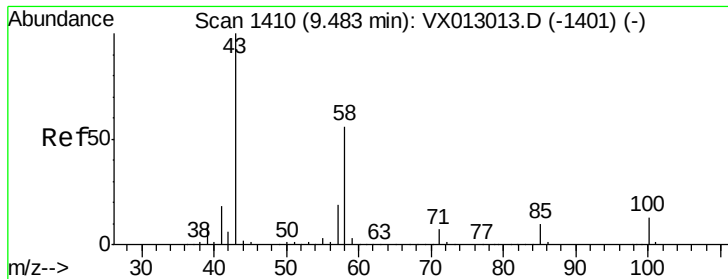
Tot Ion: 97 Resp: 1442
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.5 99.7#
 85 22.2 43.1 64.7#
 99 0.0 49.2 73.8#



#56
 Ethyl methacrylate
 Concen: 1.884 ug/l
 RT: 9.15 min Scan# 1355
 Delta R.T. -0.02 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

Tgt Ion: 69 Resp: 172
 Ion Ratio Lower Upper
 69 100
 41 0.0 52.1 78.1#
 39 302.9 27.8 41.8#

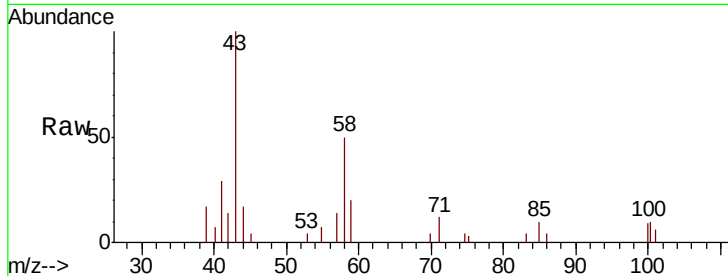




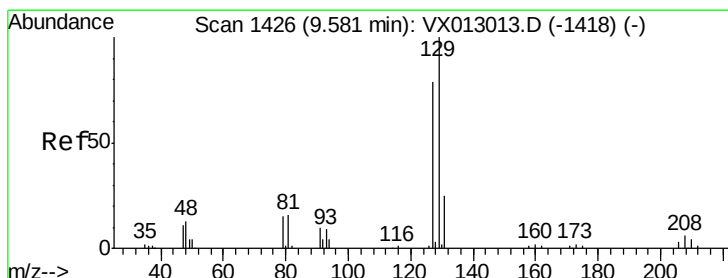
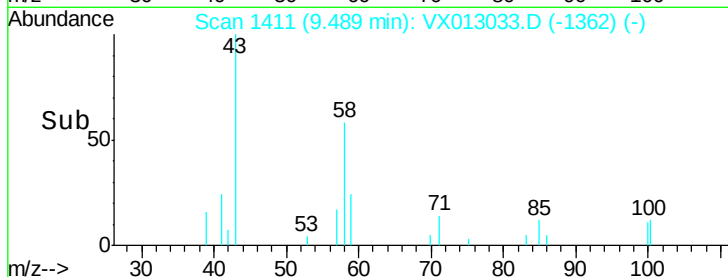
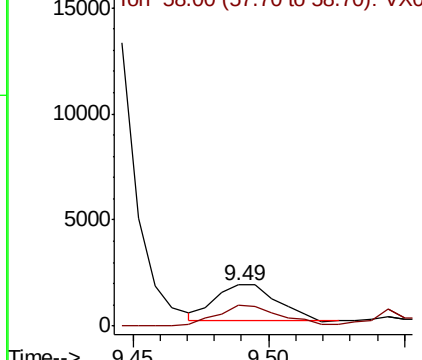
#59
2-Hexanone
Concen: 1.272 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

Tot Ion: 43 Resp: 2629
Ion Ratio Lower Upper
43 100
58 59.8 28.1 84.3

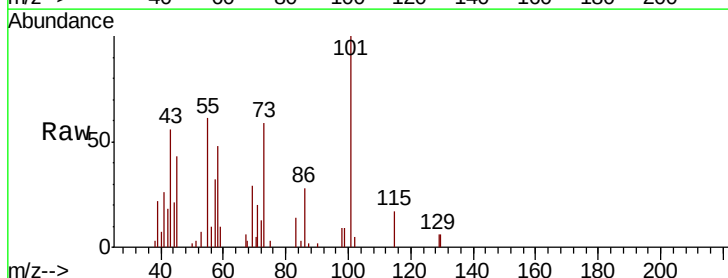


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

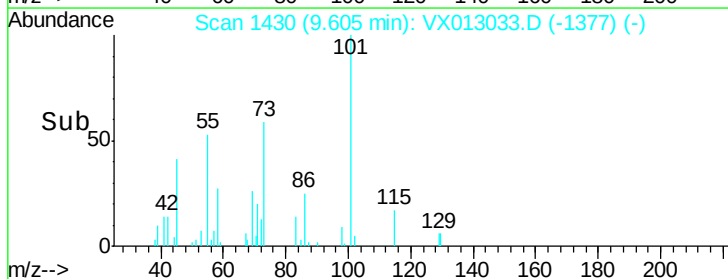
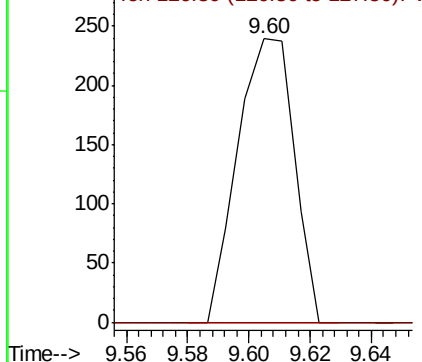


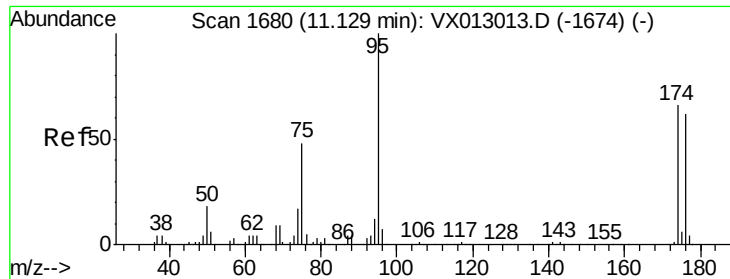
#60
Dibromochloromethane
Concen: 2.007 ug/l
RT: 9.60 min Scan# 1430
Delta R.T. 0.02 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 129 Resp: 307
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.153 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

391009760.2-VOA

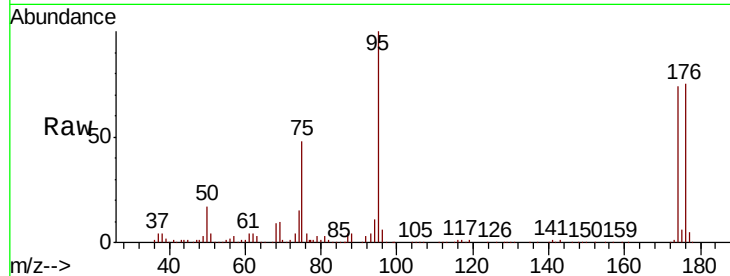
Tot Ion: 95 Resp: 105977

Ion Ratio Lower Upper

95 100

174 73.0 0.0 143.4

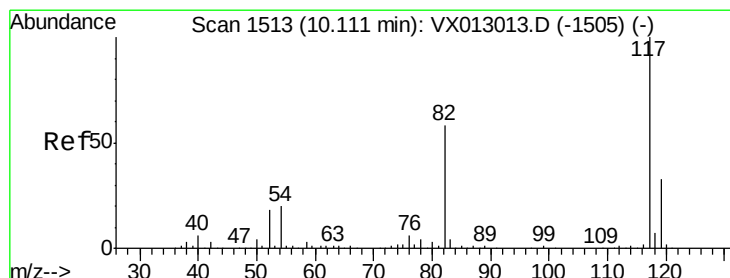
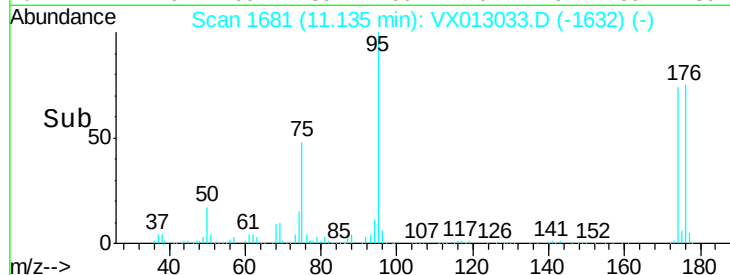
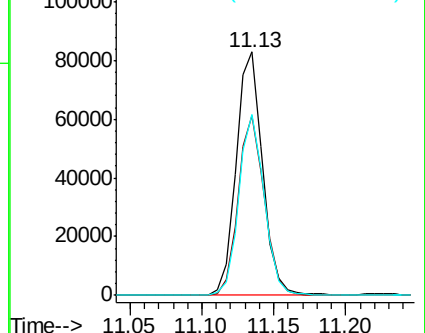
176 71.7 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

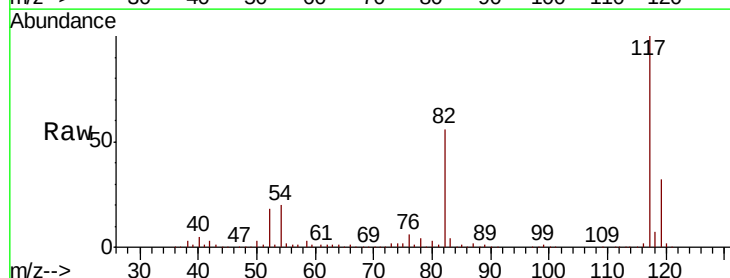
Tgt Ion: 117 Resp: 230918

Ion Ratio Lower Upper

117 100

82 56.2 44.1 66.1

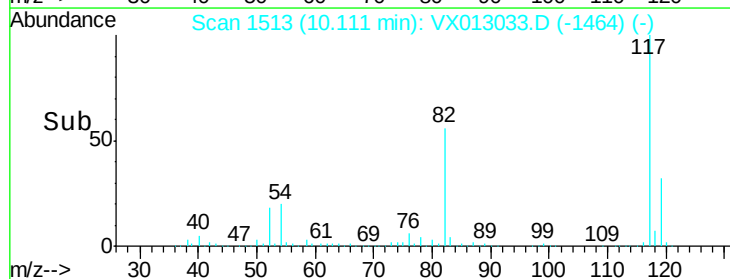
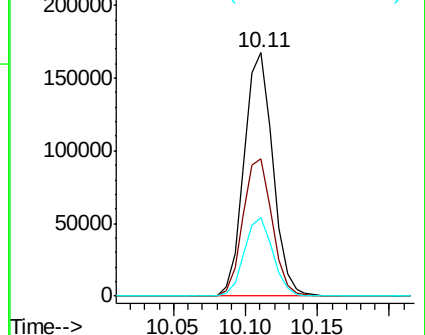
119 32.0 25.8 38.8

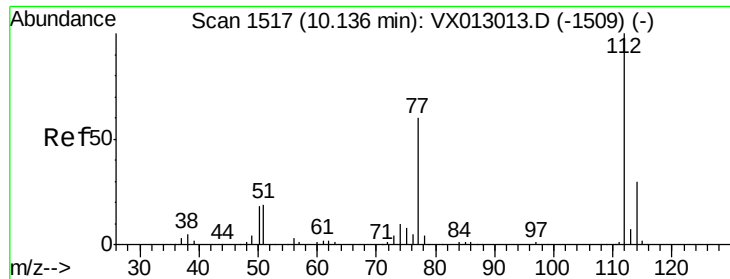


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

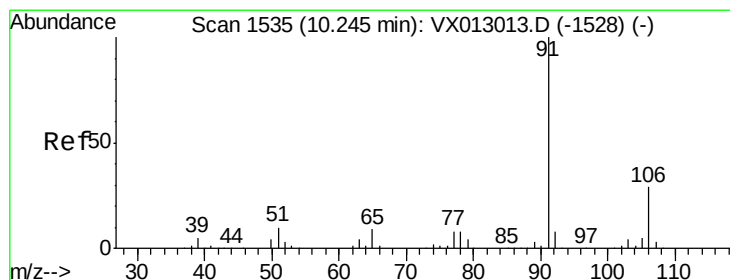
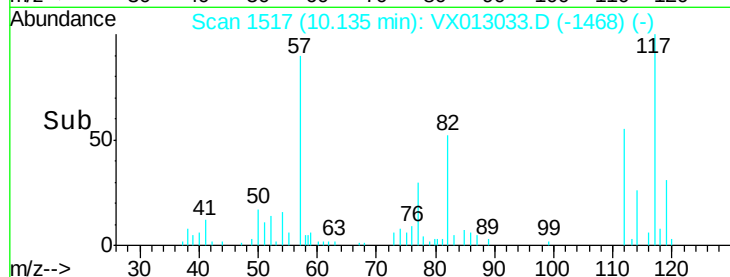
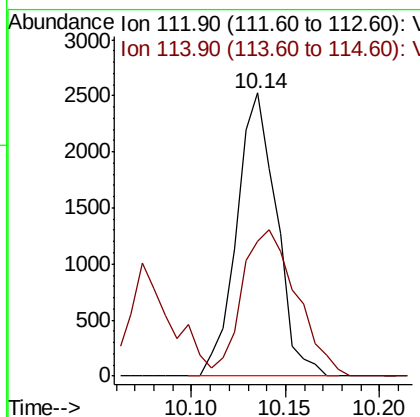
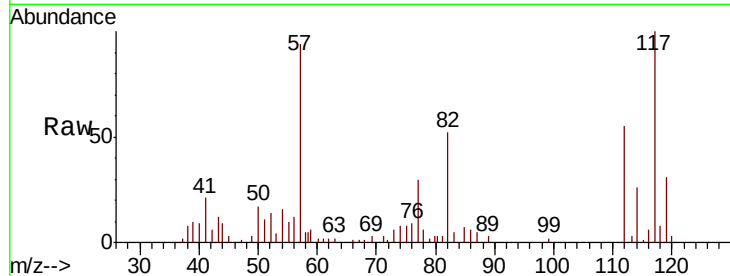




#65
Chlorobenzene
Concen: 0.808 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

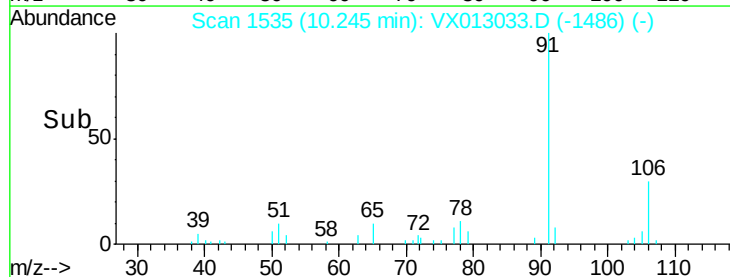
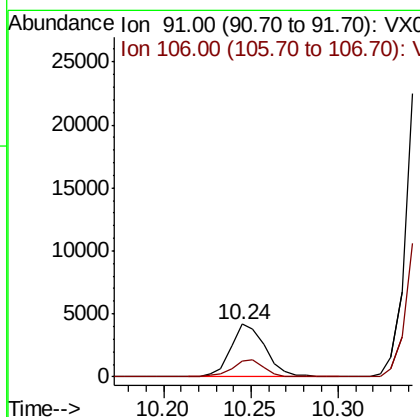
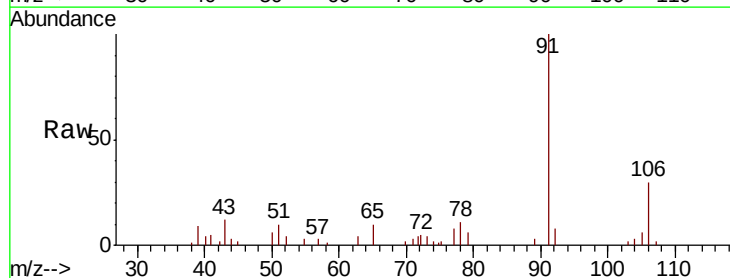
Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

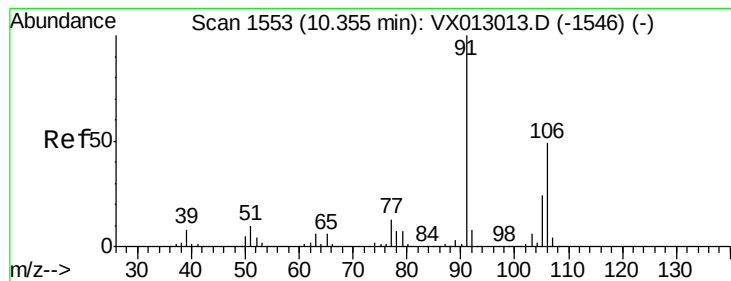
Tot Ion:112 Resp: 3705
Ion Ratio Lower Upper
112 100
114 45.4 25.7 38.5#



#67
Ethyl Benzene
Concen: 0.704 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 91 Resp: 5732
Ion Ratio Lower Upper
91 100
106 29.7 23.9 35.9





#68

m/p-Xylenes

Concen: 9.924 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

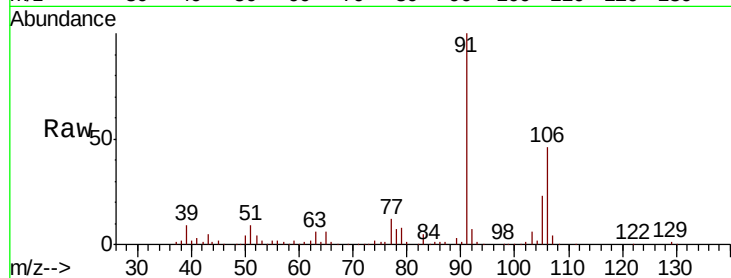
391009760.2-VOA

Tot Ion:106 Resp: 30200

Ion Ratio Lower Upper

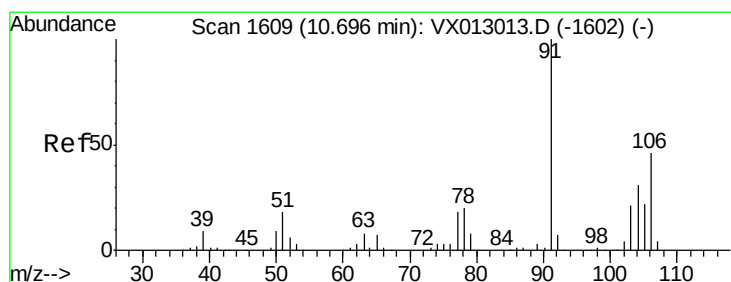
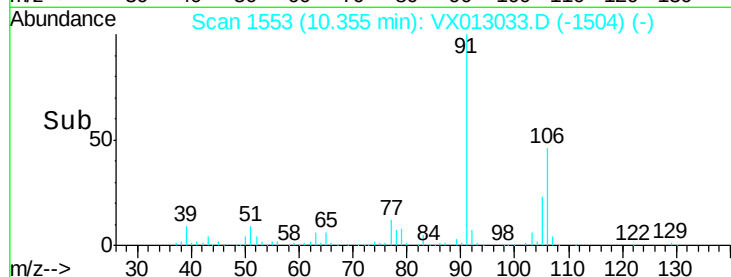
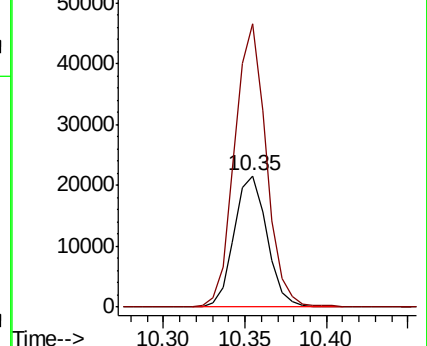
106 100

91 208.5 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 5.947 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013033.D

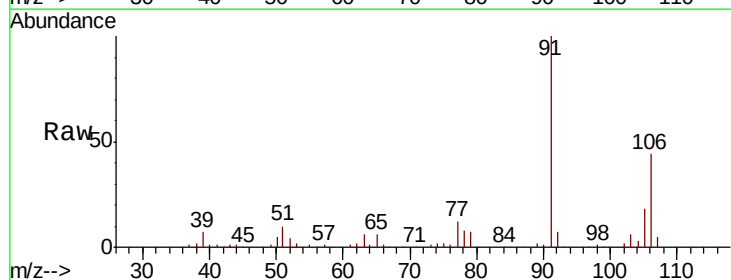
Acq: 11 Oct 2019 21:46

Tgt Ion:106 Resp: 17647

Ion Ratio Lower Upper

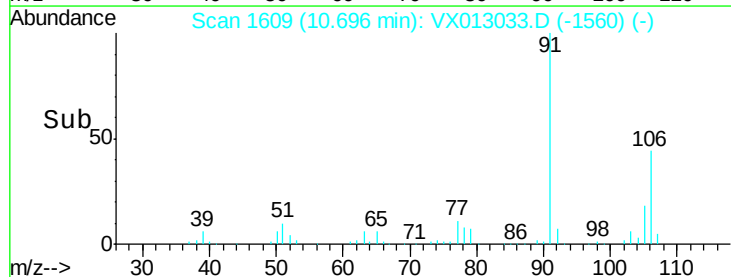
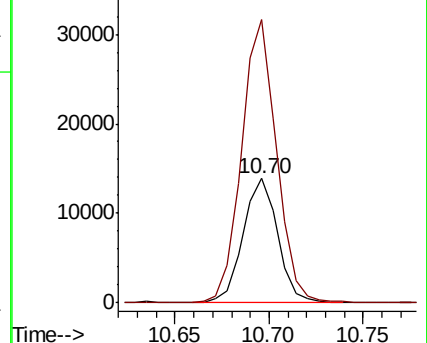
106 100

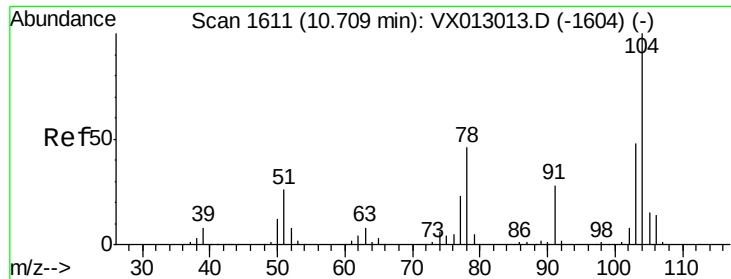
91 230.4 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

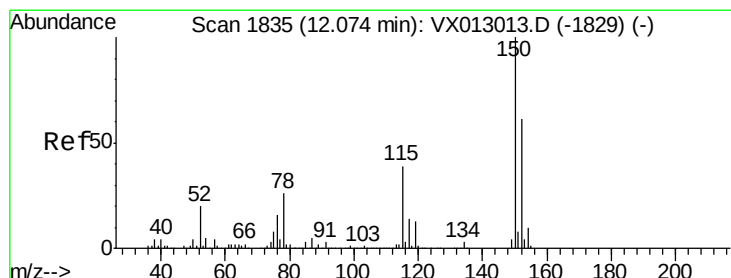
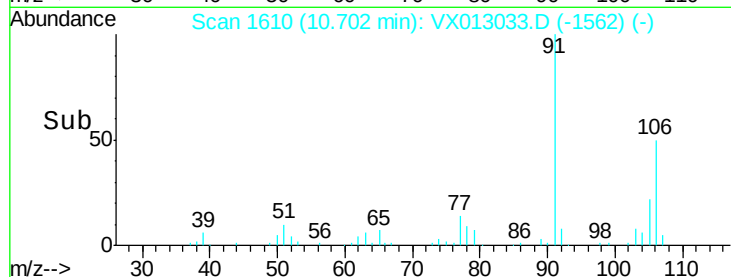
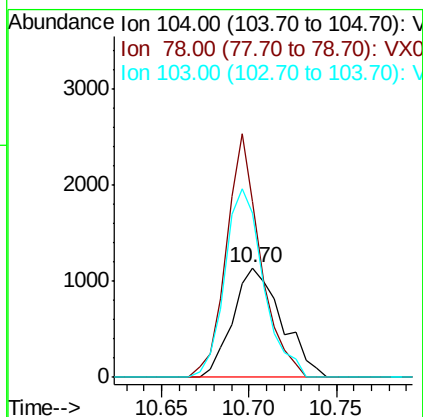
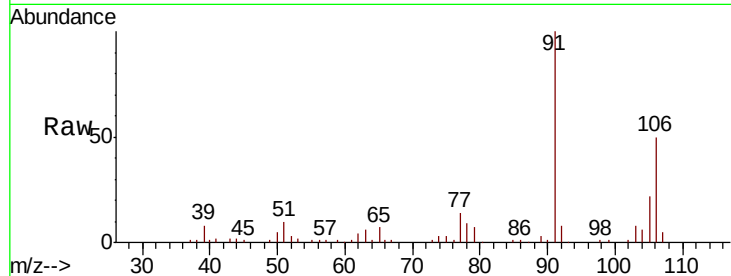




#70
Stvrene
Concen: 0.439 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

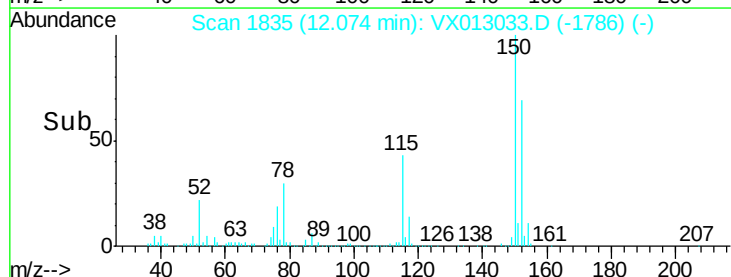
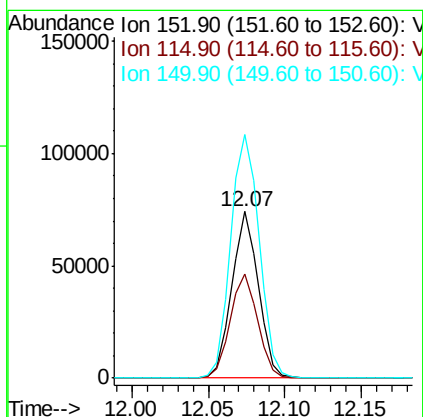
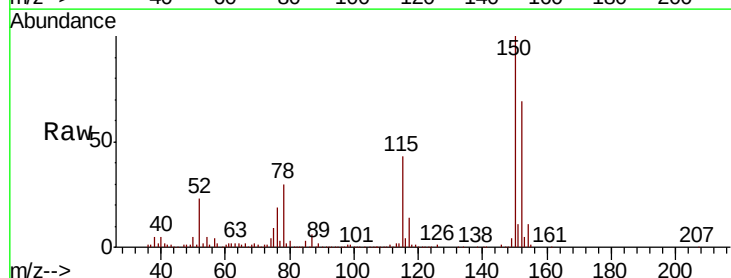
Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

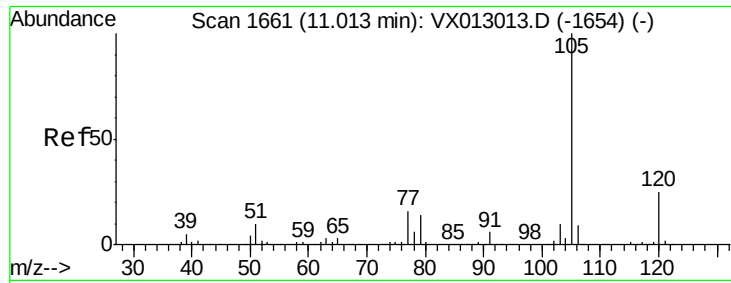
Tot Ion:104 Resp: 2214
Ion Ratio Lower Upper
104 100
78 154.6 41.2 61.8#
103 135.5 43.0 64.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion:152 Resp: 89038
Ion Ratio Lower Upper
152 100
115 64.4 44.5 133.5
150 157.7 0.0 353.4

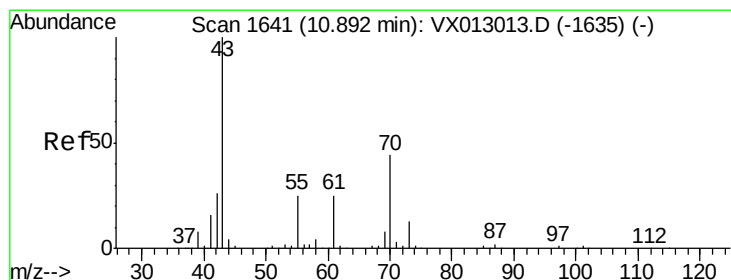
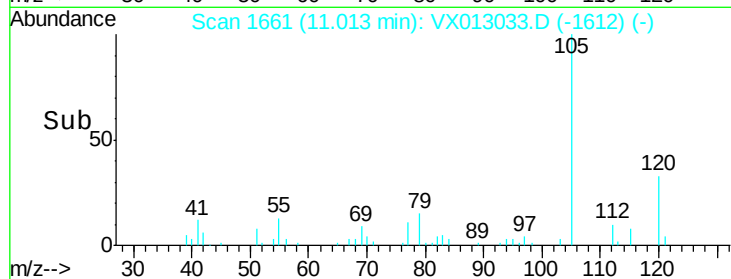
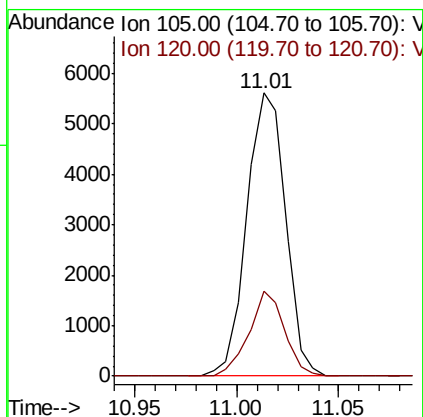
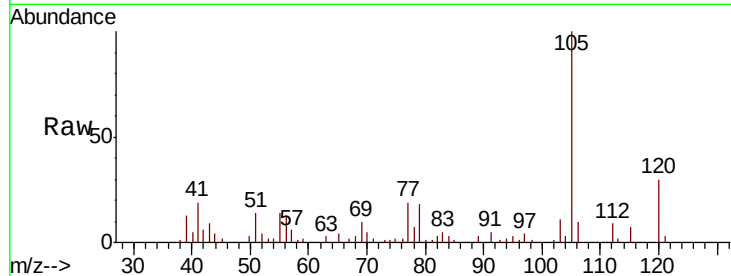




#73
Isopropylbenzene
Concen: 1.132 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

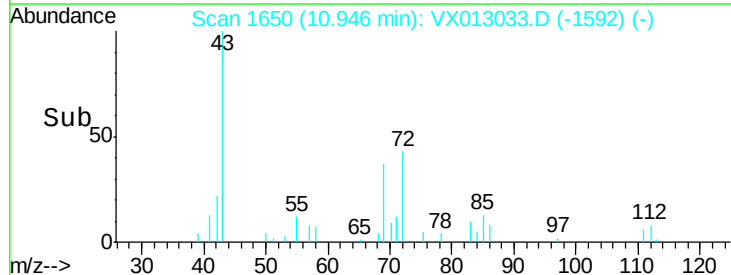
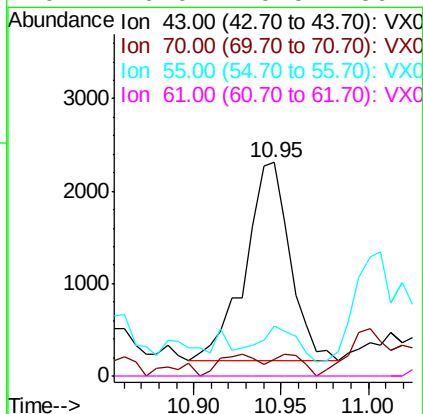
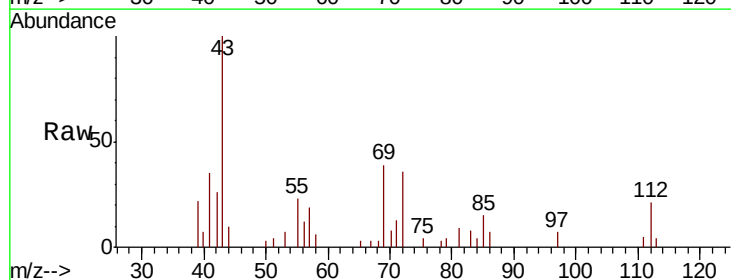
Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

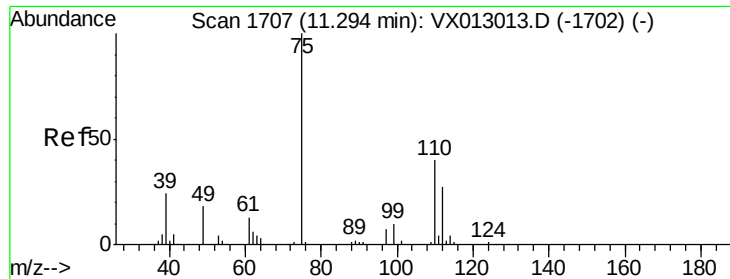
Tot Ion:105 Resp: 7409
Ion Ratio Lower Upper
105 100
120 27.7 13.0 39.0



#74
N-amyl acetate
Concen: 1.350 ug/l
RT: 10.95 min Scan# 1650
Delta R.T. 0.05 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Tgt Ion: 43 Resp: 3806
Ion Ratio Lower Upper
43 100
70 7.3 36.4 54.6#
55 16.2 20.2 30.2#
61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 27.493 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

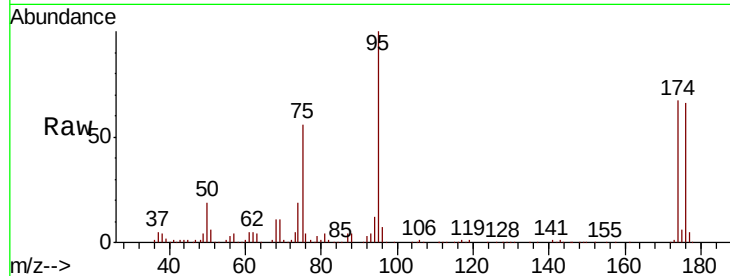
391009760.2-VOA

Tot Ion: 75 Resp: 54294

Ion Ratio Lower Upper

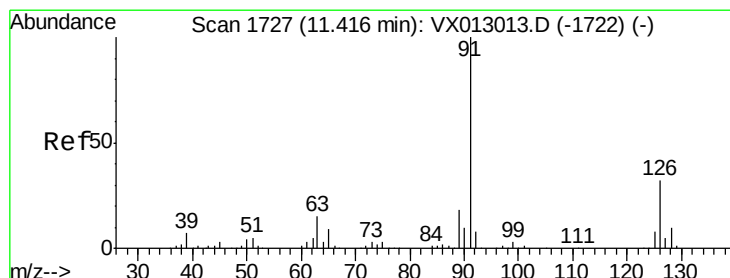
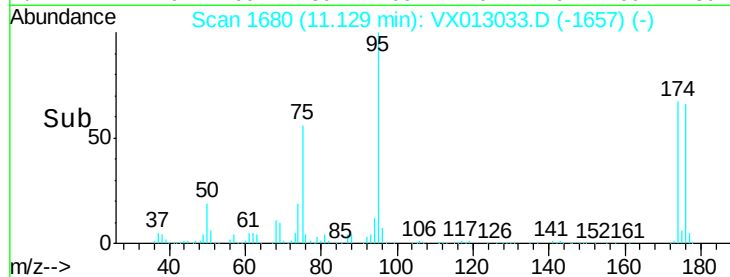
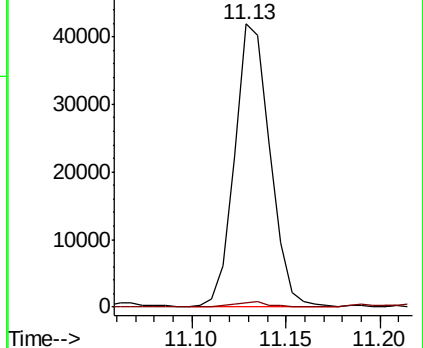
75 100

77 1.9 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#79

2-Chlorotoluene

Concen: 0.542 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. 0.01 min

Lab File: VX013033.D

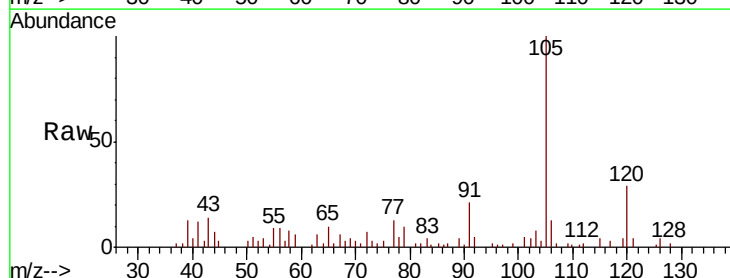
Acq: 11 Oct 2019 21:46

Tgt Ion: 91 Resp: 2454

Ion Ratio Lower Upper

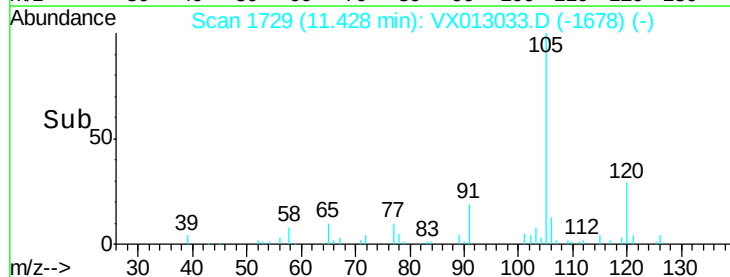
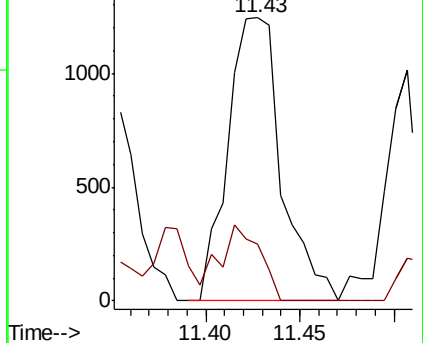
91 100

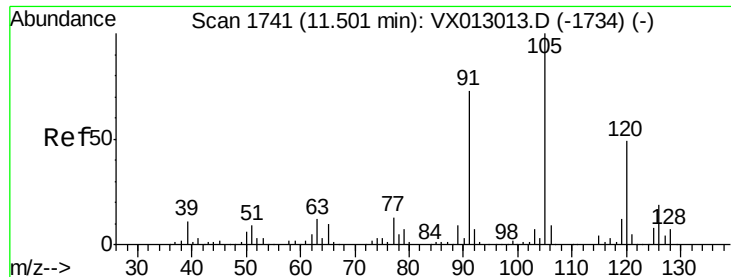
126 20.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

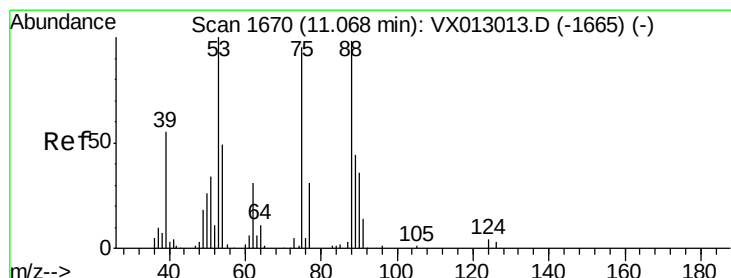
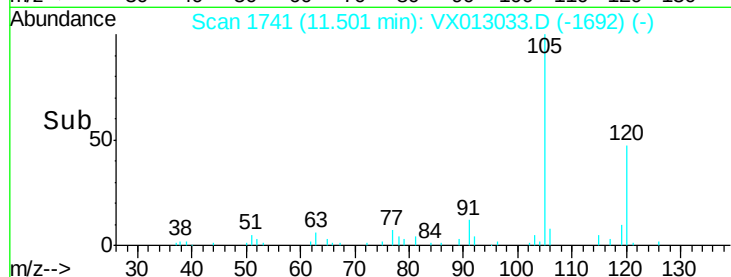
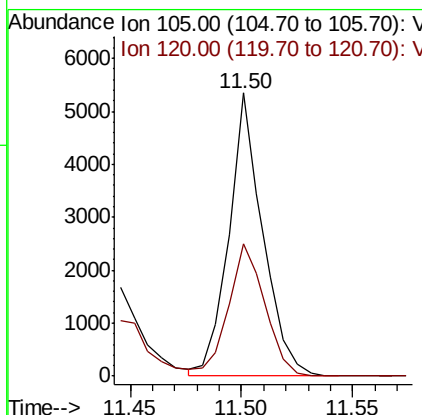
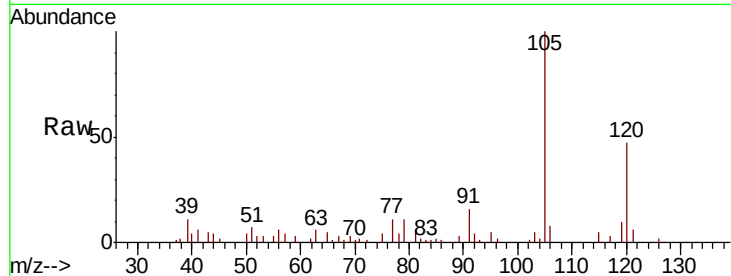




#80
 1,3,5-Trimethylbenzene
 Concen: 1.037 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

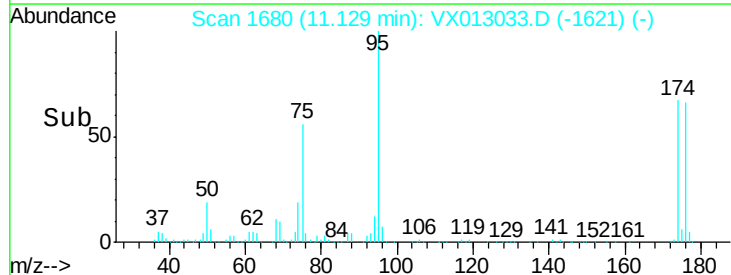
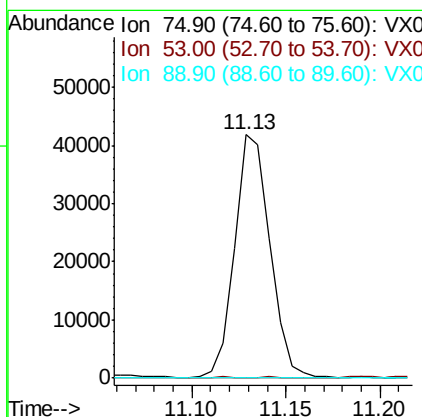
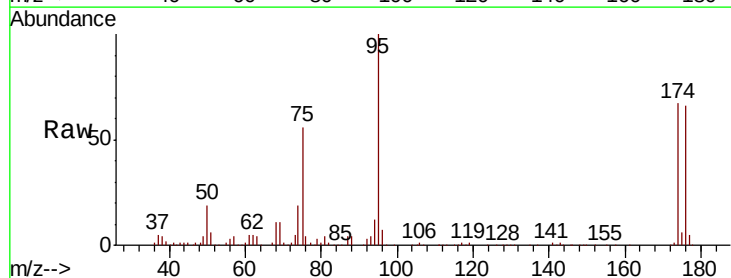
Instrument :
 MSVOA_X
 ClientSampleId :
 391009760.2-VOA

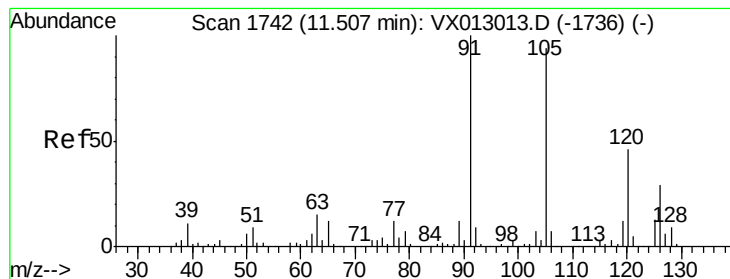
Tot Ion:105 Resp: 5668
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.006 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

Tgt Ion: 75 Resp: 54294
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.5 117.7#
 89 0.0 37.4 56.2#





#82

4-Chlorotoluene

Concen: 0.473 ug/l

RT: 11.43 min Scan# 1729

Delta R.T. -0.08 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

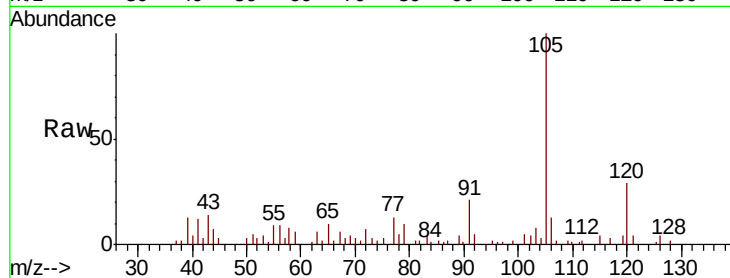
391009760.2-VOA

Tot Ion: 91 Resp: 2454

Ion Ratio Lower Upper

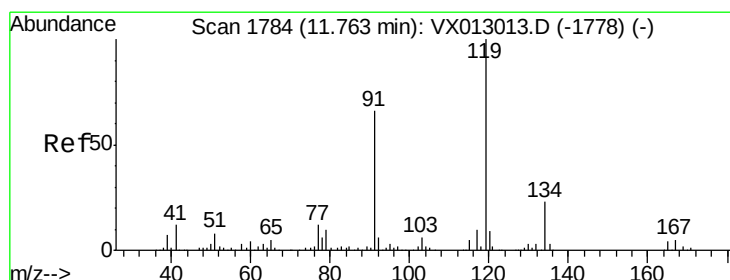
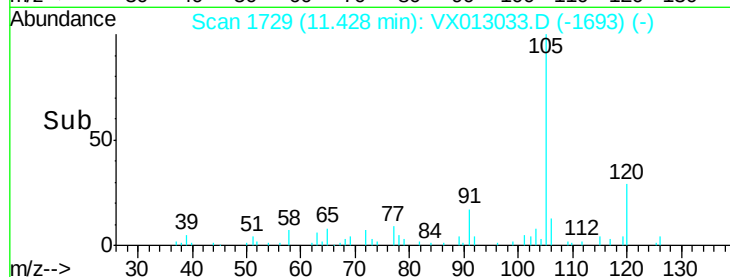
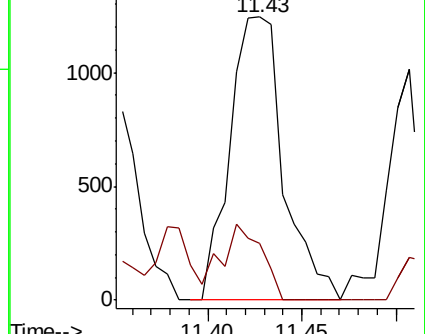
91 100

126 20.0 14.2 42.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 0.367 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.26 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

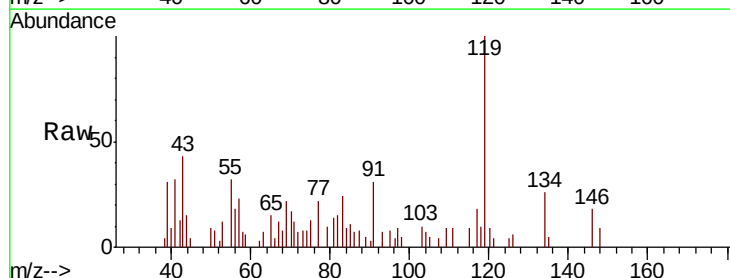
Tgt Ion: 119 Resp: 1957

Ion Ratio Lower Upper

119 100

91 33.0 29.3 87.9

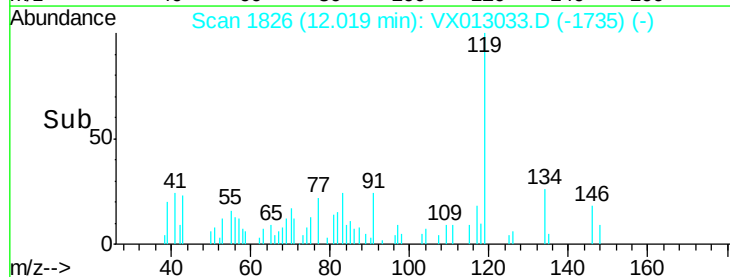
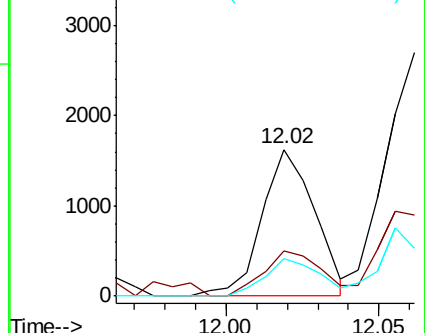
134 26.5 11.5 34.4

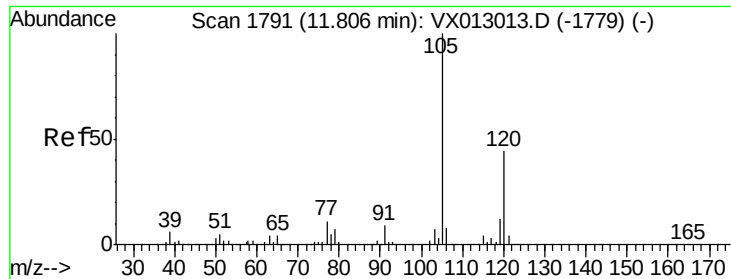


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

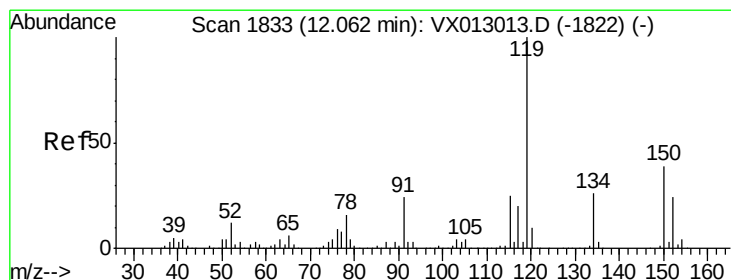
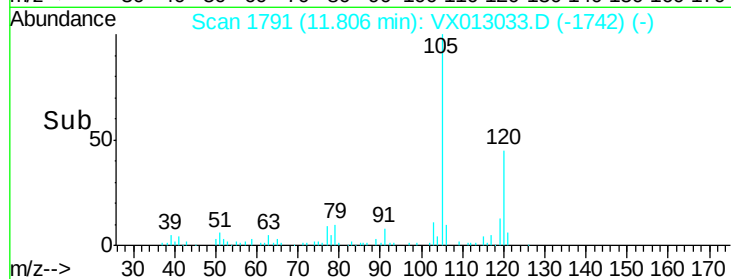
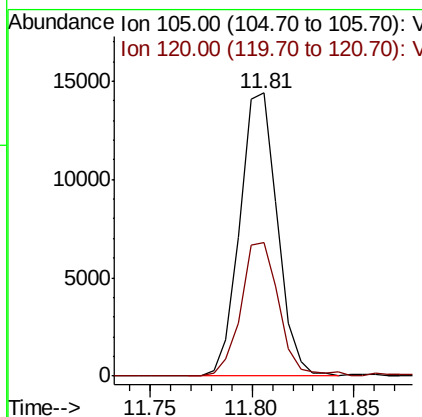
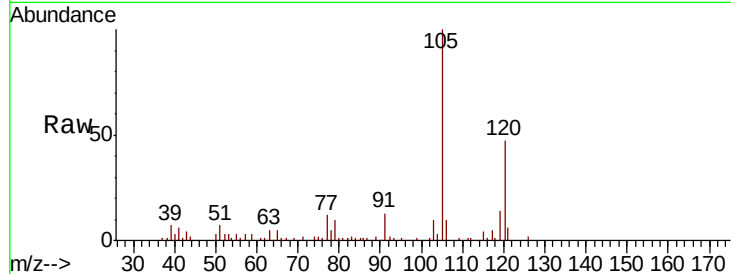




#84
 1,2,4-Trimethylbenzene
 Concen: 3.329 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

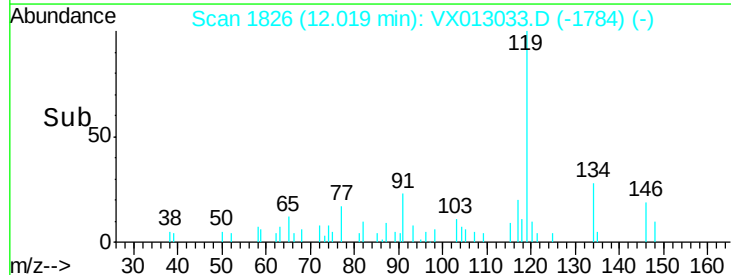
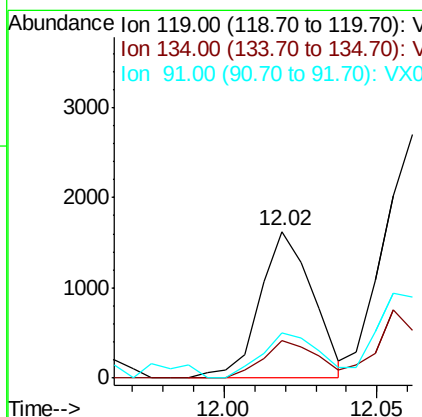
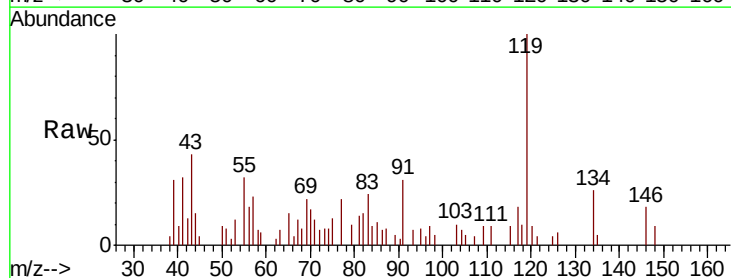
Instrument :
 MSVOA_X
 ClientSampleId :
 391009760.2-VOA

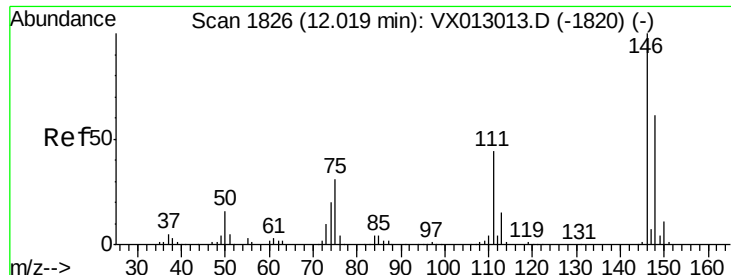
Tot Ion:105 Resp: 18429
 Ion Ratio Lower Upper
 105 100
 120 48.0 21.8 65.3



#86
 p-Isopropyltoluene
 Concen: 0.342 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.04 min
 Lab File: VX013033.D
 Acq: 11 Oct 2019 21:46

Tgt Ion:119 Resp: 1957
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.6 37.8
 91 33.0 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 4.342 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.07 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampled :

391009760.2-VOA

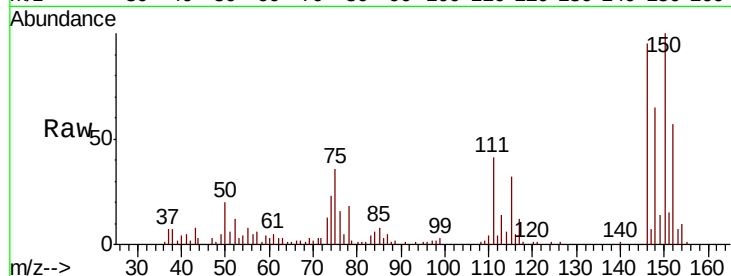
Tot Ion:146 Resp: 12438

Ion Ratio Lower Upper

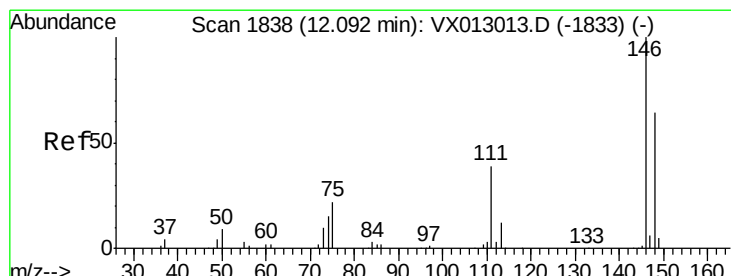
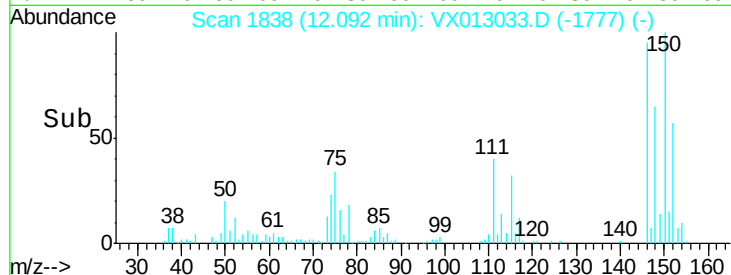
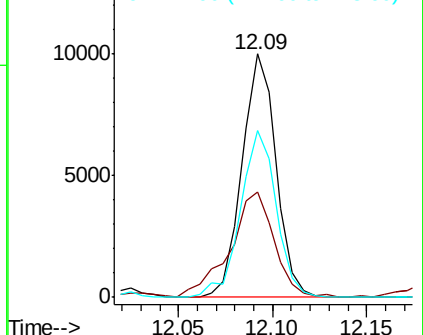
146 100

111 56.4 21.1 63.4

148 72.3 31.6 95.0



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



#88

1,4-Dichlorobenzene

Concen: 4.287 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

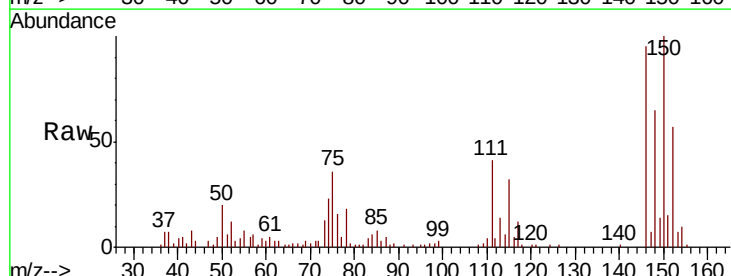
Tgt Ion:146 Resp: 12438

Ion Ratio Lower Upper

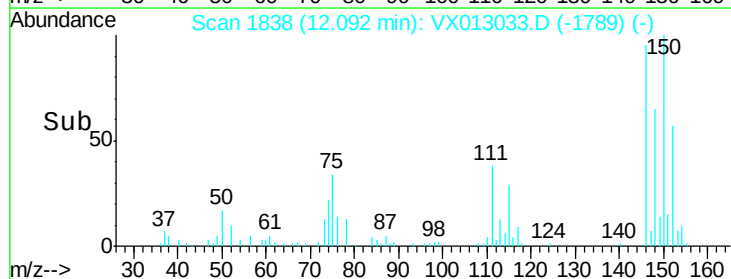
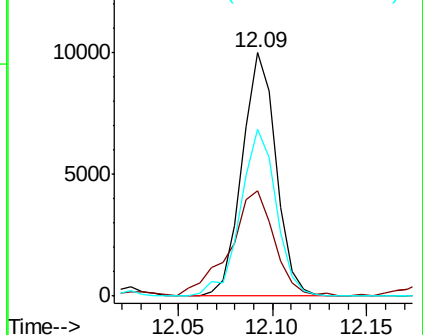
146 100

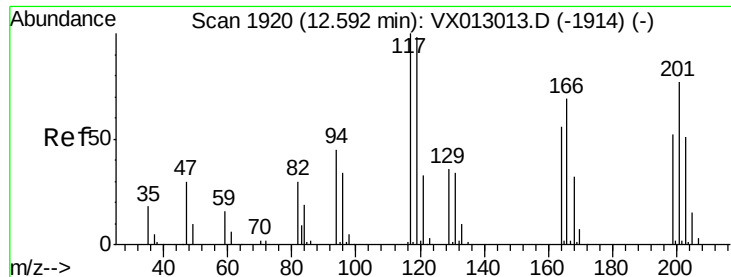
111 56.4 21.4 64.3

148 72.3 32.1 96.5



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





#90

Hexachloroethane

Concen: 2.408 ug/l

RT: 12.57 min Scan# 1917

Delta R.T. -0.02 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

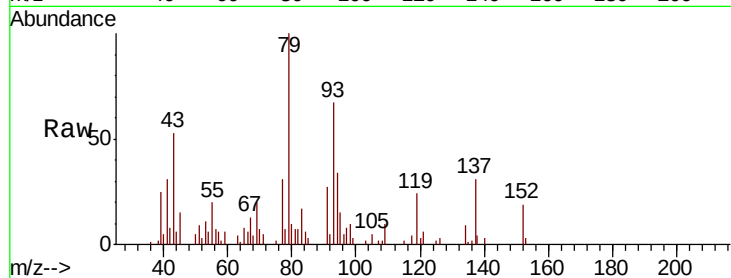
391009760.2-VOA

Tot Ion:117 Resp: 321

Ion Ratio Lower Upper

117 100

201 0.0 36.9 110.7#



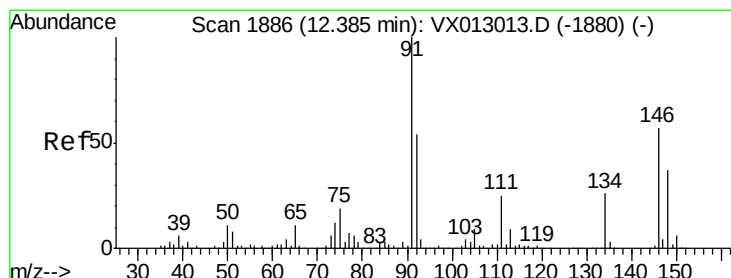
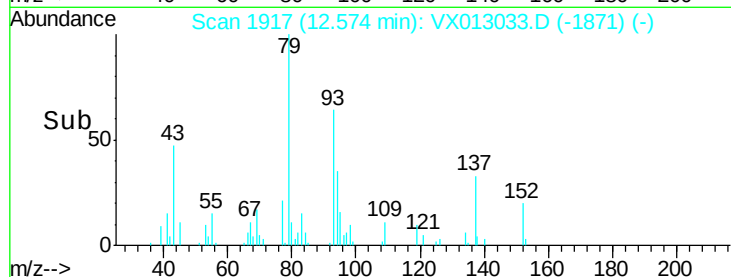
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.57

12.60

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.471 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

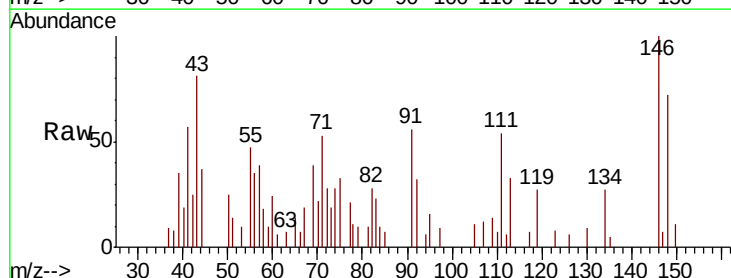
Tgt Ion:146 Resp: 1322

Ion Ratio Lower Upper

146 100

111 74.2 22.7 68.0#

148 64.0 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

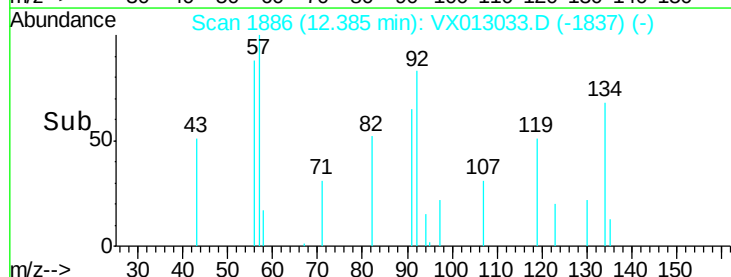
Ion 110.90 (110.60 to 111.60): V

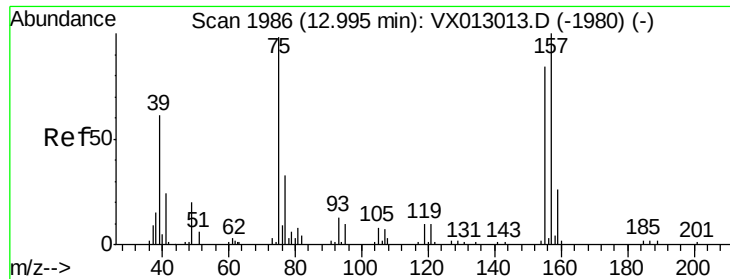
Ion 147.90 (147.60 to 148.60): V

12.38

12.40

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.527 ug/l

RT: 12.95 min Scan# 1978

Delta R.T. -0.05 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

Instrument :

MSVOA_X

ClientSampleId :

391009760.2-VOA

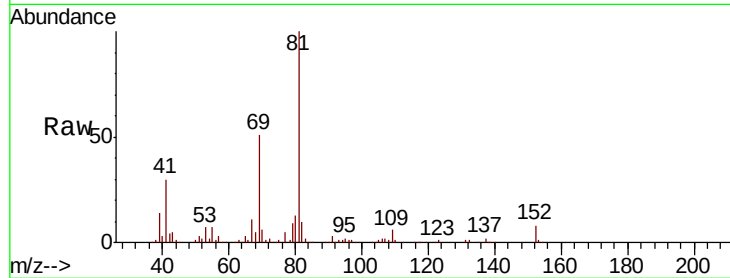
Tot Ion: 75 Resp: 269

Ion Ratio Lower Upper

75 100

155 0.0 43.0 128.8#

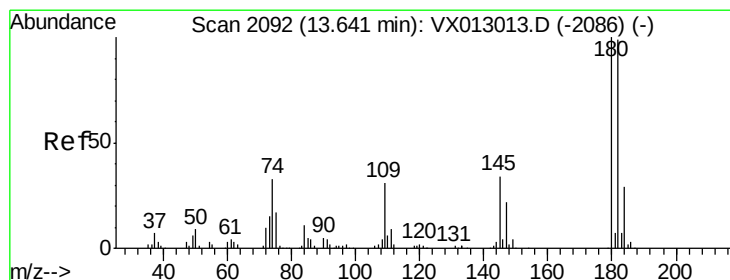
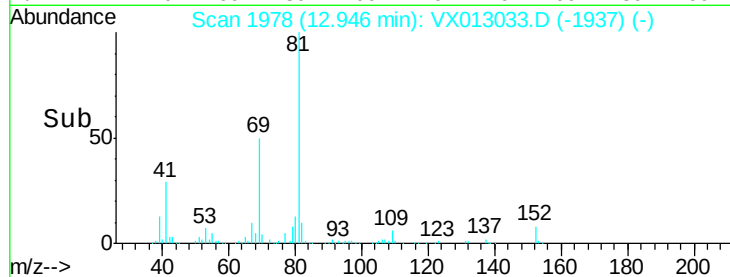
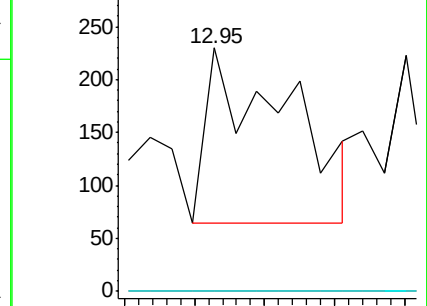
157 0.0 54.1 162.3#



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: 0.232 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX013033.D

Acq: 11 Oct 2019 21:46

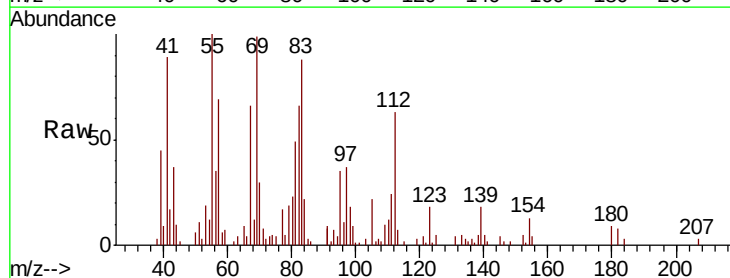
Tgt Ion: 180 Resp: 409

Ion Ratio Lower Upper

180 100

182 100.5 46.8 140.4

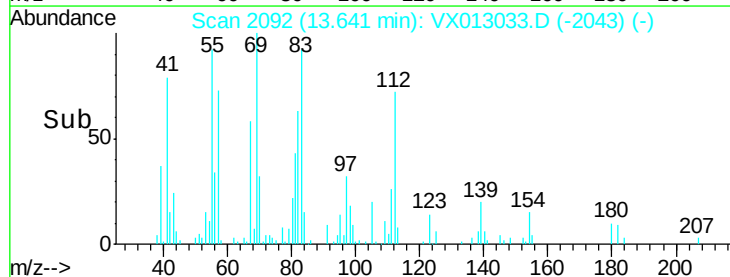
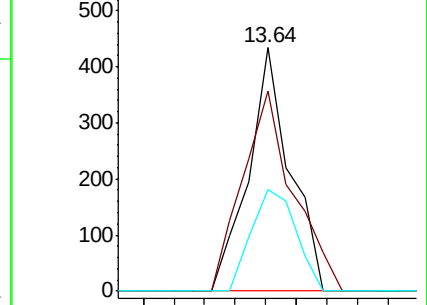
145 45.0 16.2 48.6

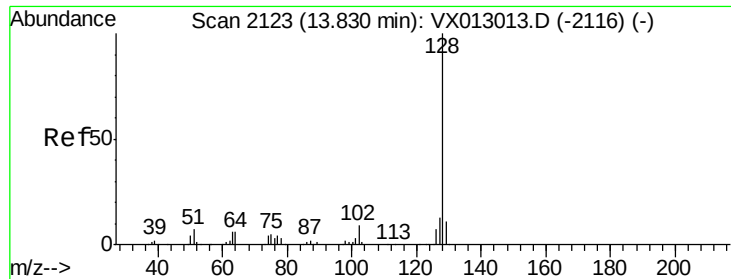


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

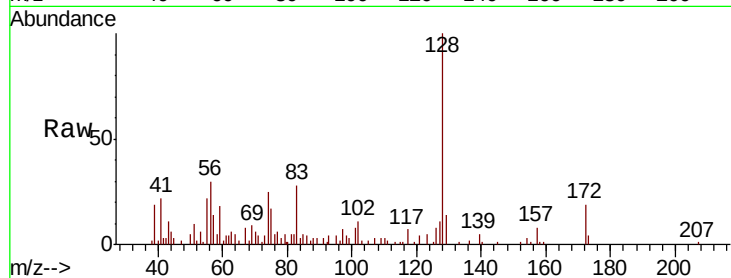




#95
Naphthalene
Concen: 1.594 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013033.D
Acq: 11 Oct 2019 21:46

Instrument :
MSVOA_X
ClientSampleId :
391009760.2-VOA

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.5	8.8	13.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

