

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016279.D
 Acq On : 15 May 2020 14:40
 Operator : JC/SP
 Sample : L2642-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 400513791-VOA

Quant Time: May 16 06:42:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	243156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	407502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	406993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206966	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	149526	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	5.46	113	123745	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	8.70	98	509583	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.12	95	206309	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	1680	0.527	ug/l	96
8) Diethyl Ether	2.17	74	6881	3.901	ug/l	99
11) Tert butyl alcohol	3.01	59	4052141	5008.096	ug/l	99
13) Acrolein	2.27	56	376	0.743	ug/l #	14
14) Allyl chloride	2.68	41	28396	6.127	ug/l #	43
15) Acrylonitrile	3.01	53	29410	17.521	ug/l #	21
16) Acetone	2.42	43	76341	53.472	ug/l	94
17) Carbon Disulfide	2.55	76	5555	0.527	ug/l #	95
18) Methyl Acetate	3.01	43	466902	133.009	ug/l #	50
19) Methyl tert-butyl Ether	3.16	73	31156	3.576	ug/l	98
24) 1,1-Dichloroethane	3.67	63	1306	0.267	ug/l #	92
25) 2-Butanone	4.66	43	168391	73.196	ug/l #	75
26) 2,2-Dichloropropane	4.67	77	232851	52.130	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	3934	1.278	ug/l #	15
28) Bromochloromethane	5.09	49	2137	0.958	ug/l #	12
29) Tetrahydrofuran	5.09	42	1022684	670.898	ug/l	98
36) 1,1-Dichloropropene	5.63	75	20779	5.180	ug/l #	48
37) Ethyl Acetate	4.76	43	10279	2.211	ug/l #	67
38) Carbon Tetrachloride	5.63	117	23367	5.731	ug/l #	14
40) Benzene	6.12	78	83250	7.093	ug/l	100
41) Methacrylonitrile	5.09	41	554440	220.822	ug/l #	42
42) 1,2-Dichloroethane	6.16	62	3490	0.825	ug/l	91
43) Isopropyl Acetate	6.40	43	4875	0.657	ug/l #	71
45) 1,2-Dichloropropane	7.49	63	948	0.319	ug/l #	74
49) 1,4-Dioxane	7.72	88	10496	124.506	ug/l	97
51) 4-Methyl-2-Pentanone	8.60	43	8863	1.952	ug/l #	34
52) Toluene	8.77	92	53007	7.246	ug/l	100
59) 2-Hexanone	9.29	43	19117	5.363	ug/l	76
65) Chlorobenzene	10.12	112	14041	1.648	ug/l	97
67) Ethyl Benzene	10.24	91	95379	6.273	ug/l	99
68) m/p-Xylenes	10.34	106	74609	13.096	ug/l	98
69) o-Xylene	10.68	106	47179	8.616	ug/l	100
70) Styrene	10.70	104	7966	0.857	ug/l #	10
73) Isopropylbenzene	11.01	105	11713	0.778	ug/l	100

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

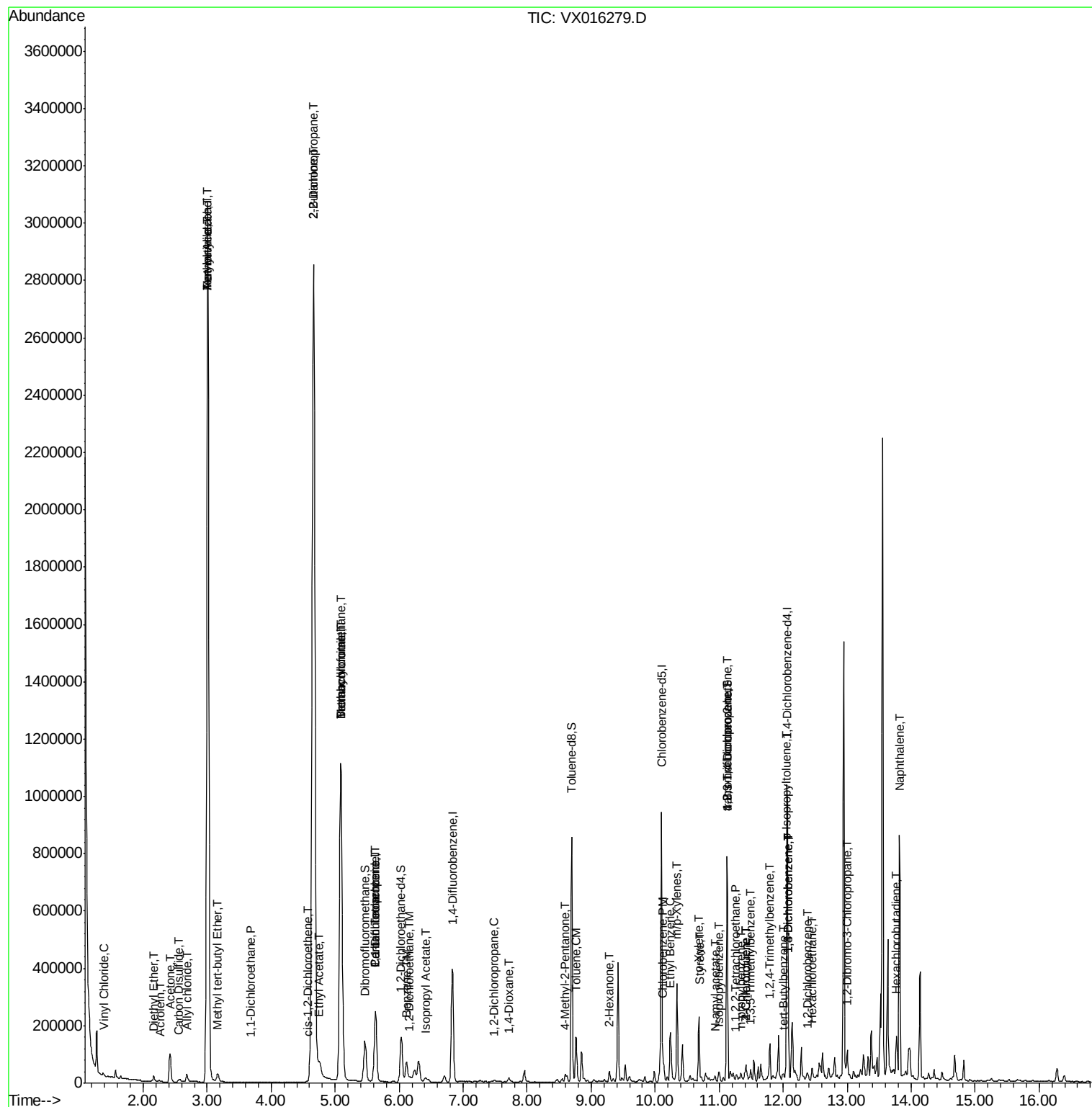
74) N-amyl acetate	10.93	43	8416	1.199	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	11.26	83	315	2.161	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	100043	21.301	ug/l #	35
78) n-propylbenzene	11.35	91	4492	0.257	ug/l	95
79) 2-Chlorotoluene	11.41	91	6308	0.610	ug/l	78
80) 1,3,5-Trimethylbenzene	11.49	105	13456	1.059	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.12	75	100043	50.763	ug/l #	13
82) 4-Chlorotoluene	11.41	91	6503	0.533	ug/l	83
83) tert-Butylbenzene	12.01	119	3471	0.317	ug/l	72
84) 1,2,4-Trimethylbenzene	11.79	105	53011	4.125	ug/l	99
86) p-Isopropyltoluene	12.05	119	41539	3.025	ug/l	98
87) 1,3-Dichlorobenzene	12.09	146	42256	6.057	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	42256	5.967	ug/l	93
90) Hexachloroethane	12.46	117	1383	0.586	ug/l #	10
91) 1,2-Dichlorobenzene	12.38	146	5151	0.767	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.00	75	513	0.414	ug/l #	1
94) Hexachlorobutadiene	13.76	225	22	0.534	ug/l #	1
95) Naphthalene	13.82	128	484611	30.091	ug/l	100

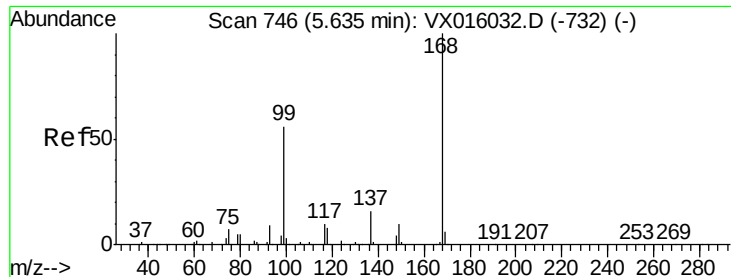
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

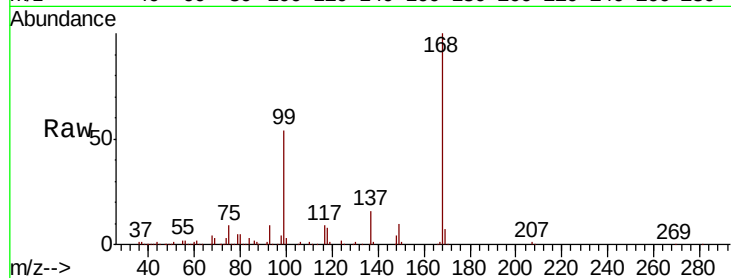
400513791-VOA

Tot Ion:168 Resp: 243156

Ion Ratio Lower Upper

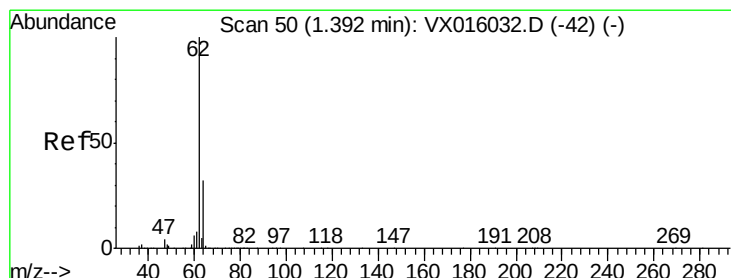
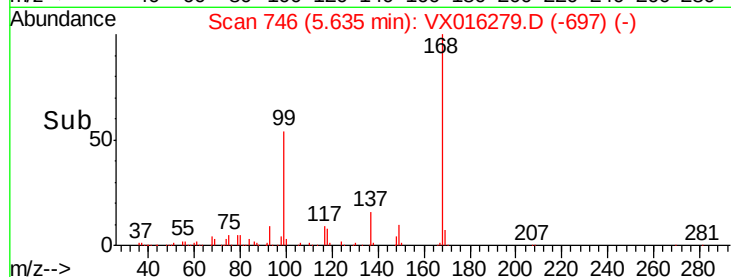
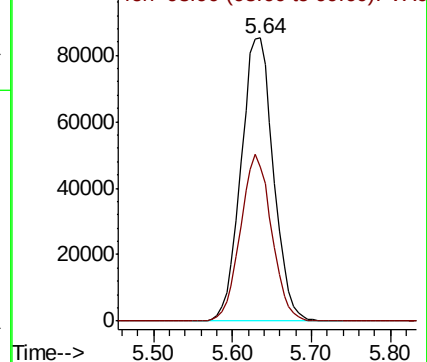
168 100

99 54.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.527 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016279.D

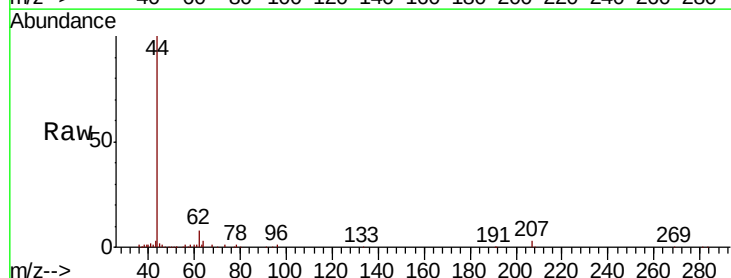
Acq: 15 May 2020 14:40

Tgt Ion: 62 Resp: 1680

Ion Ratio Lower Upper

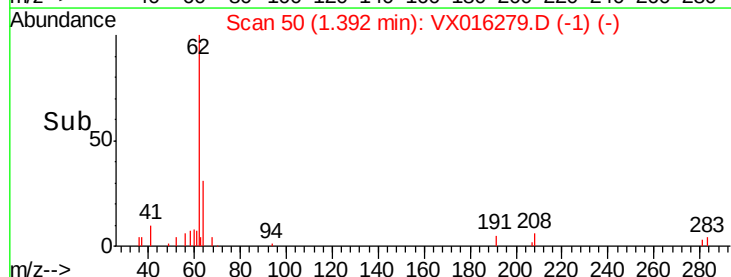
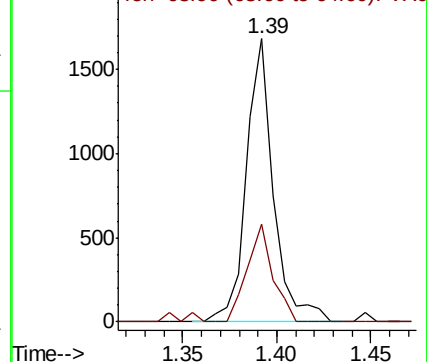
62 100

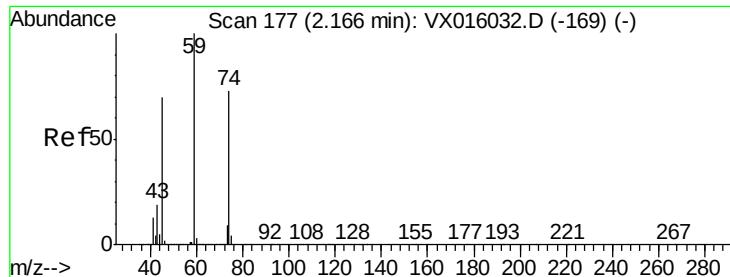
64 34.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#8

Diethyl Ether

Concen: 3.901 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

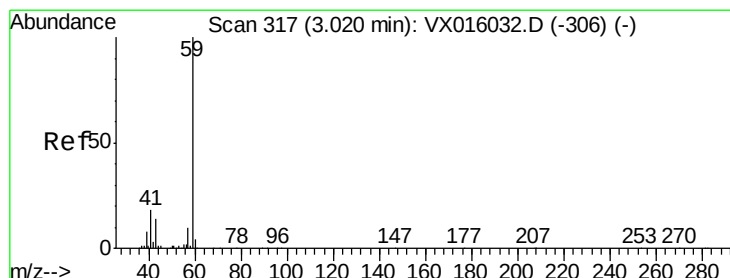
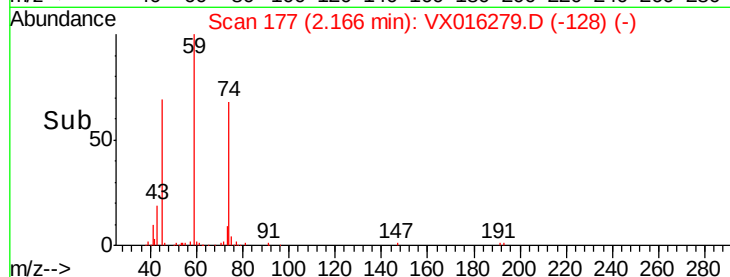
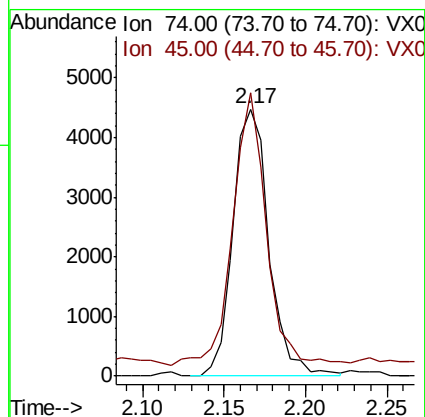
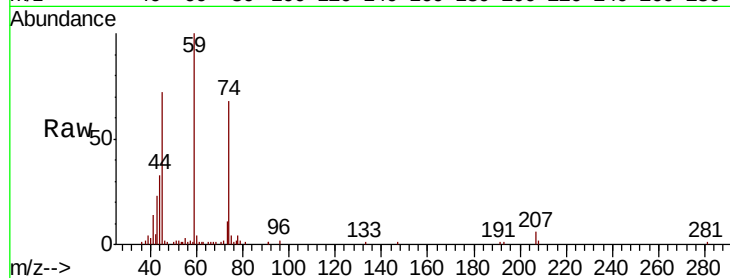
400513791-VOA

Tot Ion: 74 Resp: 6881

Ion Ratio Lower Upper

74 100

45 95.9 47.3 142.0



#11

Tert butyl alcohol

Concen: 5008.096 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016279.D

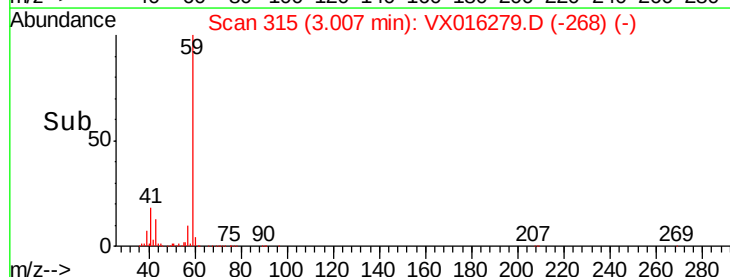
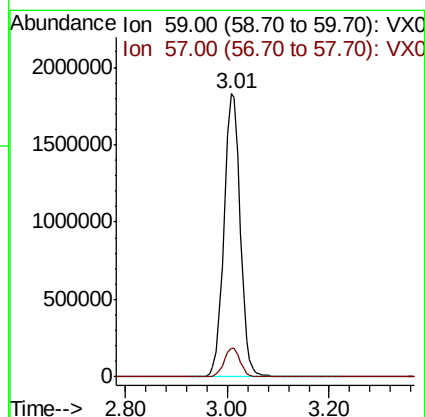
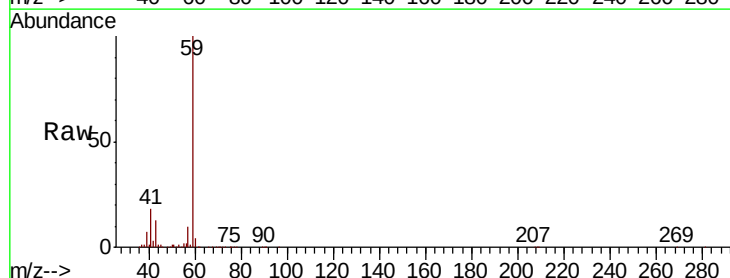
Acq: 15 May 2020 14:40

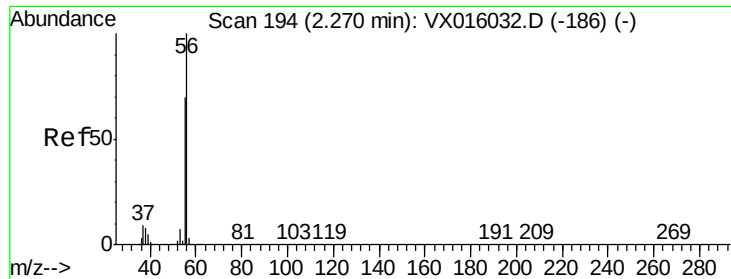
Tgt Ion: 59 Resp: 4052141

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.4





#13

Acrolein

Concen: 0.743 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

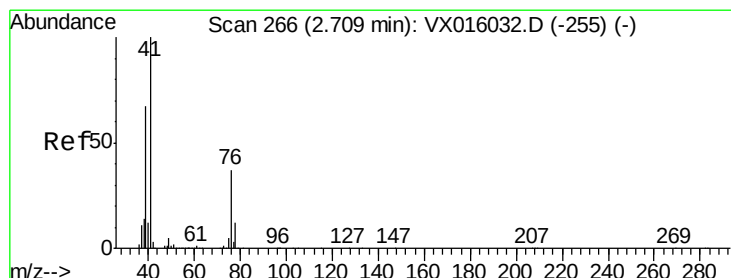
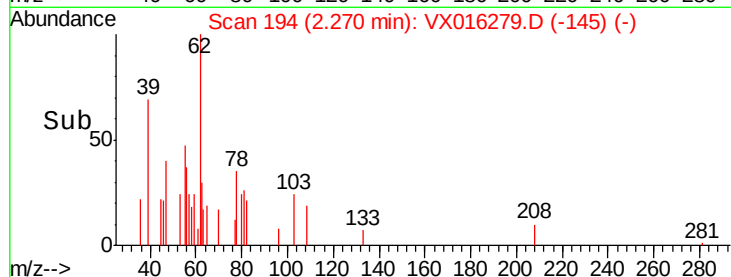
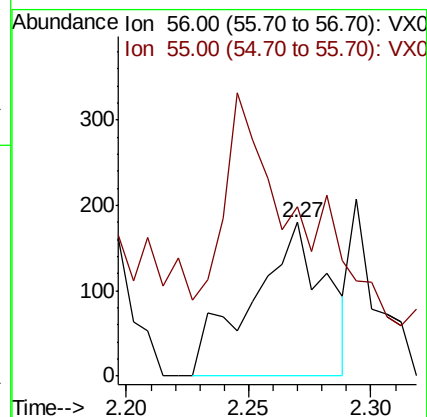
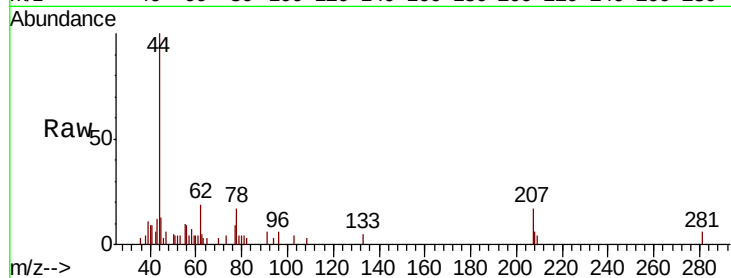
400513791-VOA

Tot Ion: 56 Resp: 376

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



#14

Allyl chloride

Concen: 6.127 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

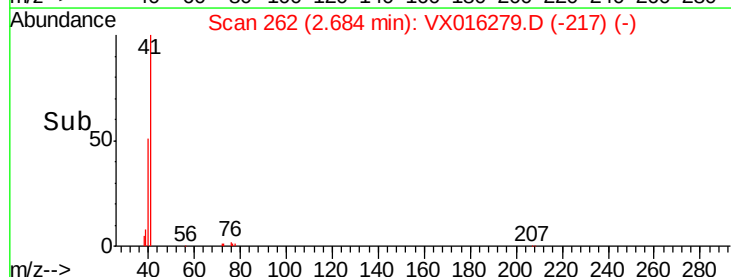
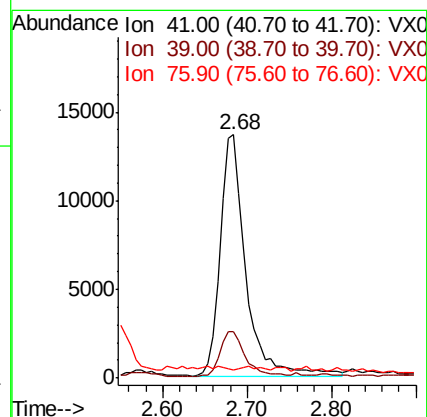
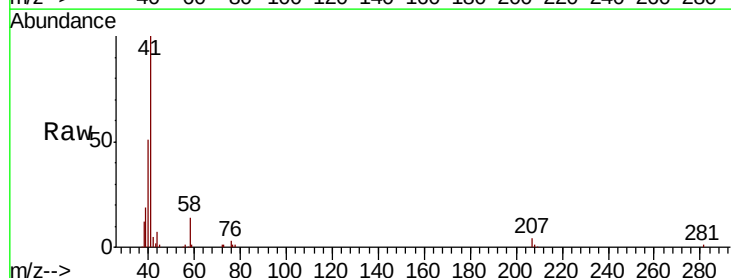
Tgt Ion: 41 Resp: 28396

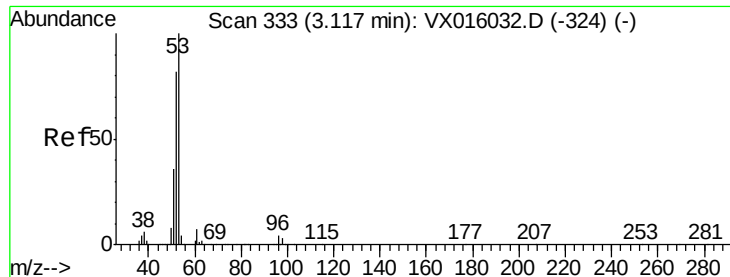
Ion Ratio Lower Upper

41 100

39 18.5 50.5 75.7#

76 1.0 26.6 40.0#





#15

Acrylonitrile

Concen: 17.521 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.11 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

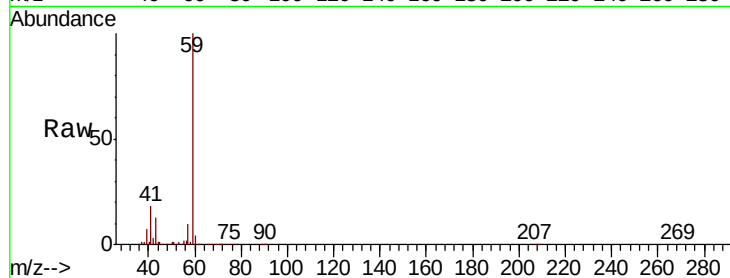
Tot Ion: 53 Resp: 29410

Ion Ratio Lower Upper

53 100

52 23.3 66.1 99.1#

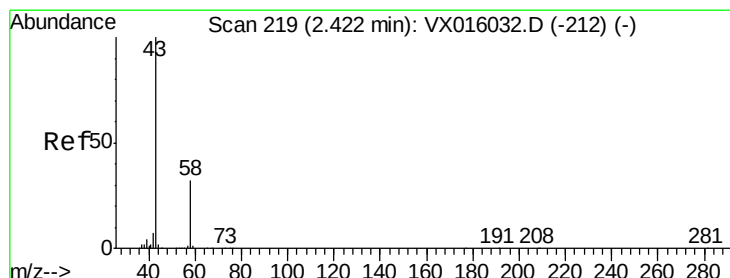
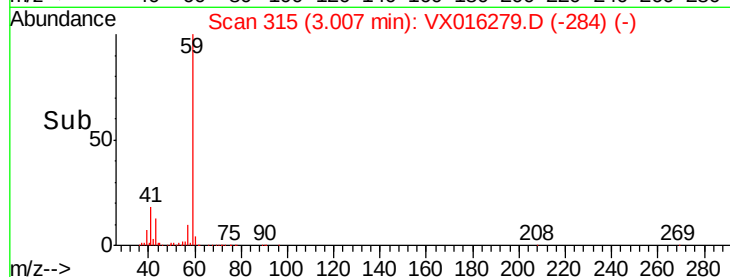
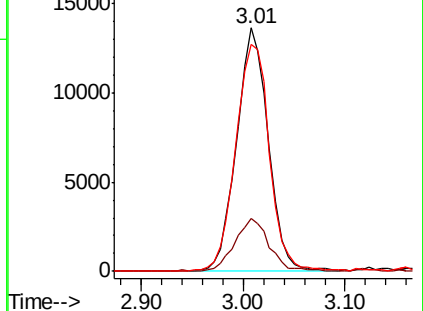
51 99.5 28.8 43.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 53.472 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016279.D

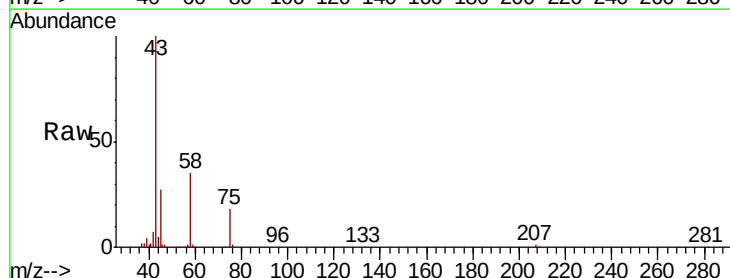
Acq: 15 May 2020 14:40

Tgt Ion: 43 Resp: 76341

Ion Ratio Lower Upper

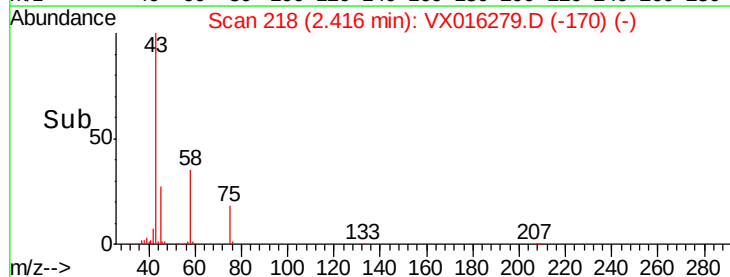
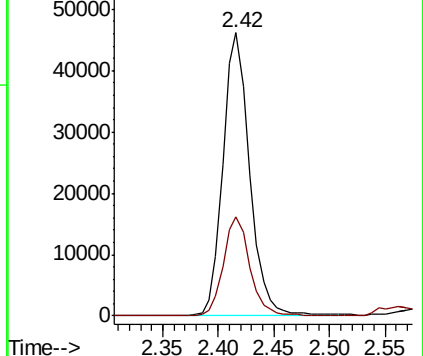
43 100

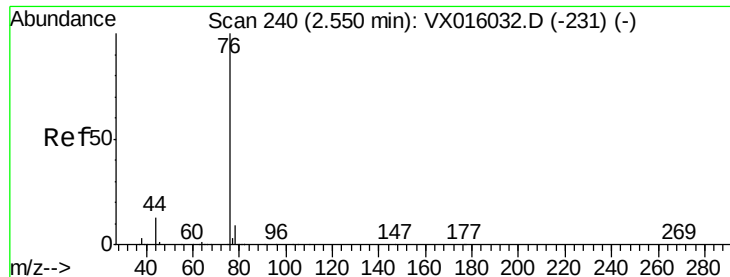
58 35.1 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.527 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

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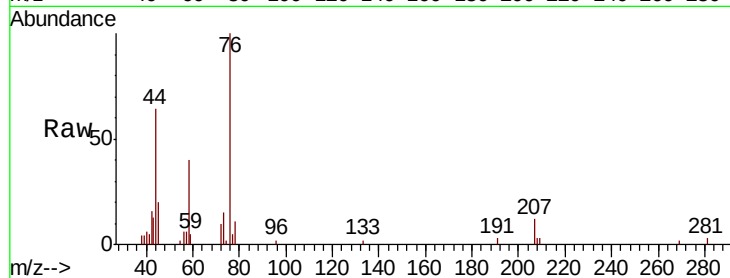
400513791-VOA

Tot Ion: 76 Resp: 5555

Ion Ratio Lower Upper

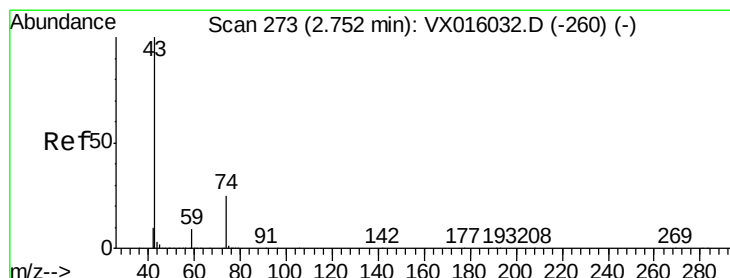
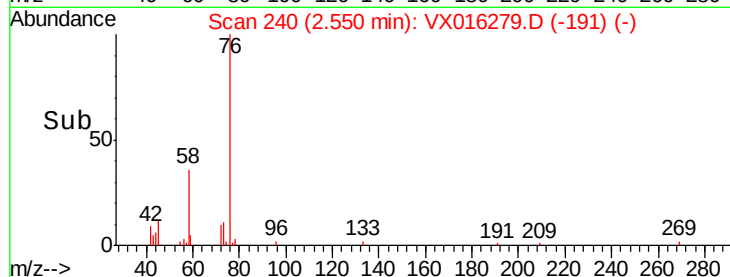
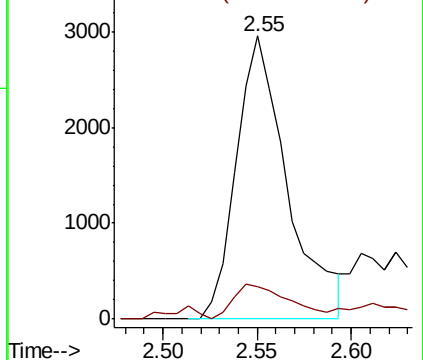
76 100

78 7.5 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 133.009 ug/l

RT: 3.01 min Scan# 315

Delta R.T. 0.26 min

Lab File: VX016279.D

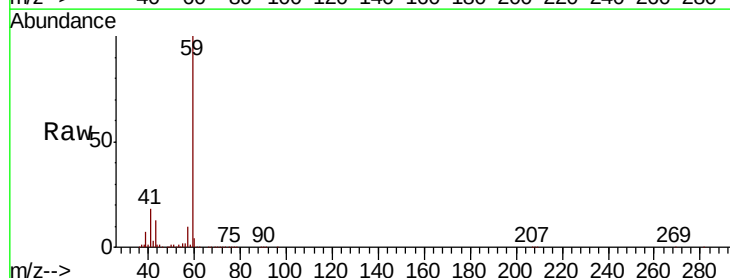
Acq: 15 May 2020 14:40

Tgt Ion: 43 Resp: 466902

Ion Ratio Lower Upper

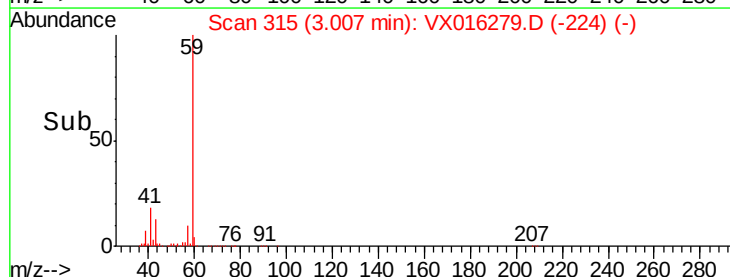
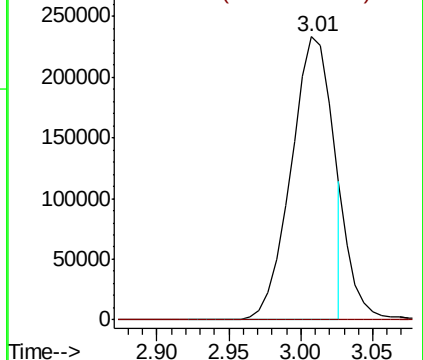
43 100

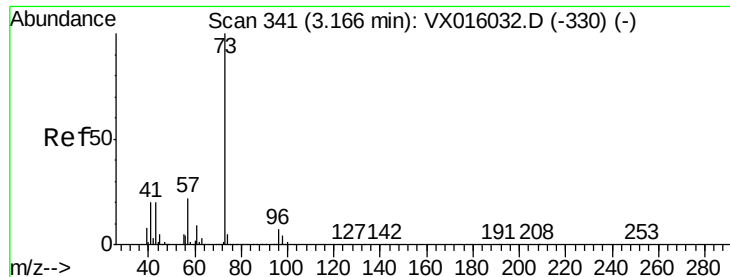
74 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



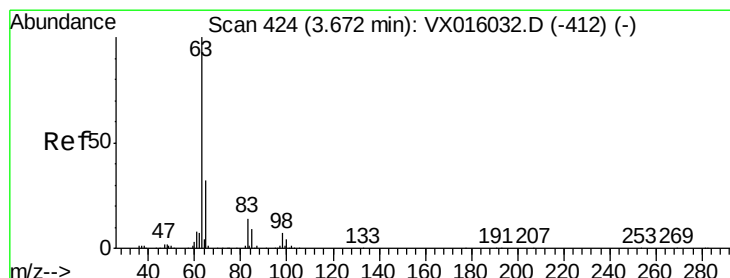
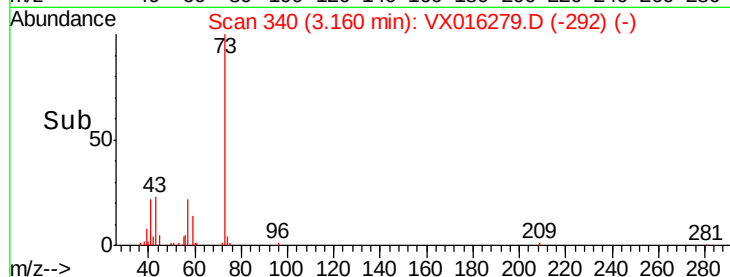
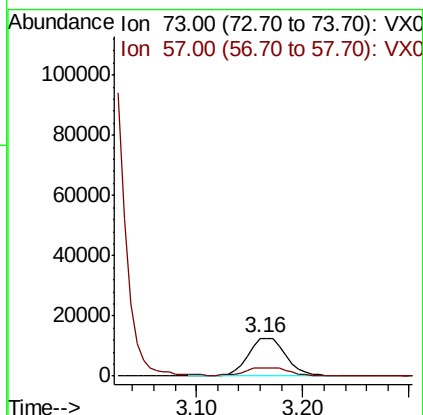
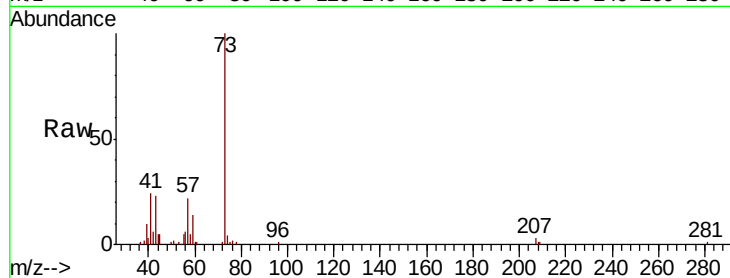


#19

Methyl tert-butyl Ether
 Concen: 3.576 ug/l
 RT: 3.16 min Scan# 340
 Delta R.T. -0.01 min
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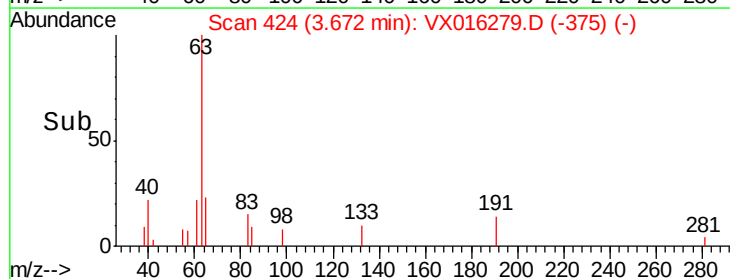
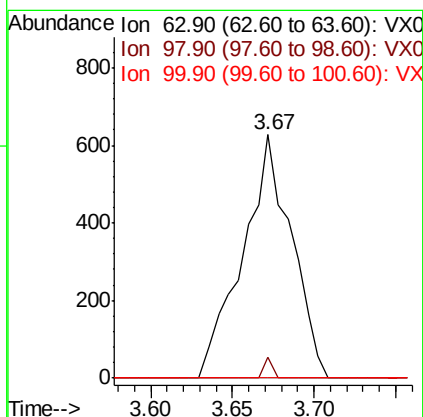
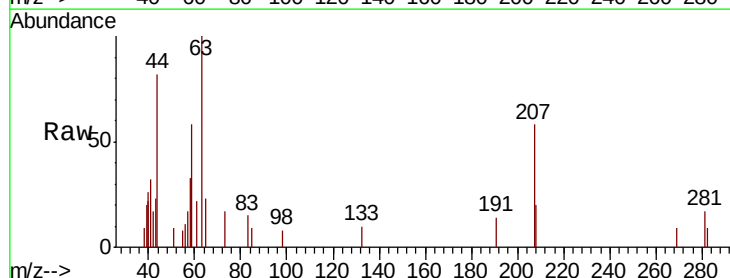
Tot Ion: 73 Resp: 31156
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.8 26.6

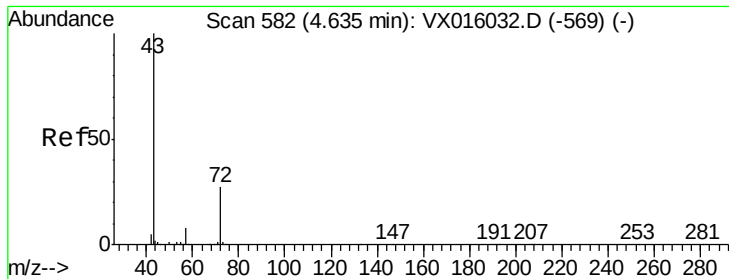


#24

1,1-Dichloroethane
 Concen: 0.267 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

Tgt Ion: 63 Resp: 1306
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.5 10.5
 100 0.0 2.1 6.5#

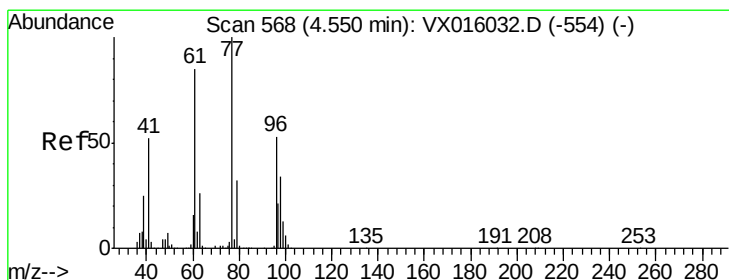
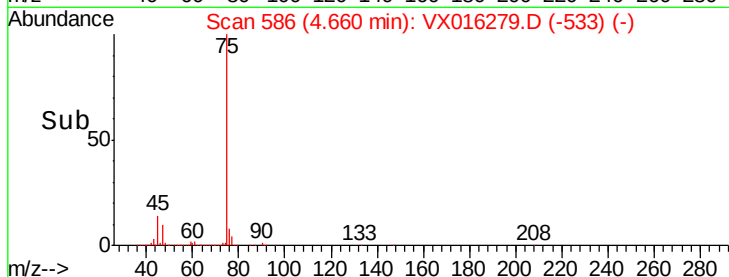
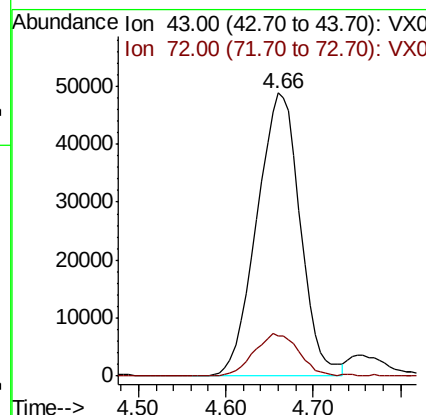
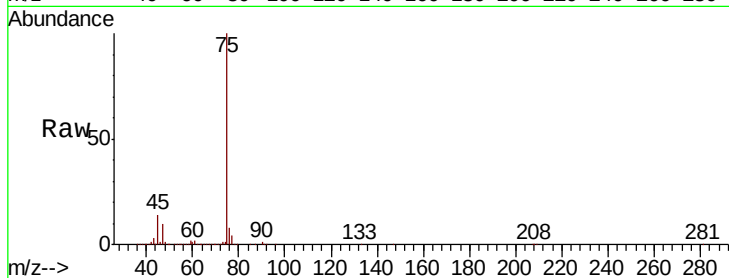




#25
2-Butanone
Concen: 73.196 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

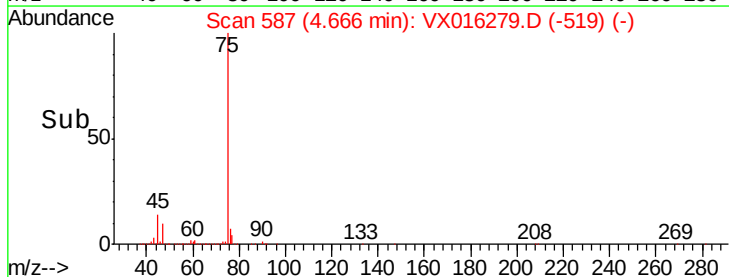
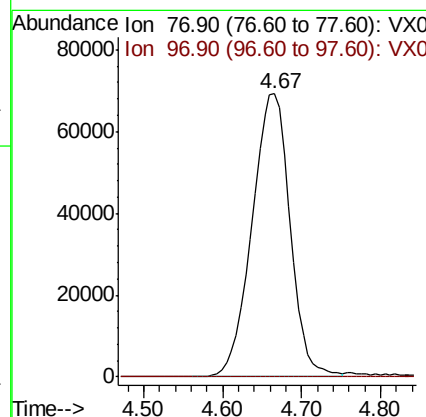
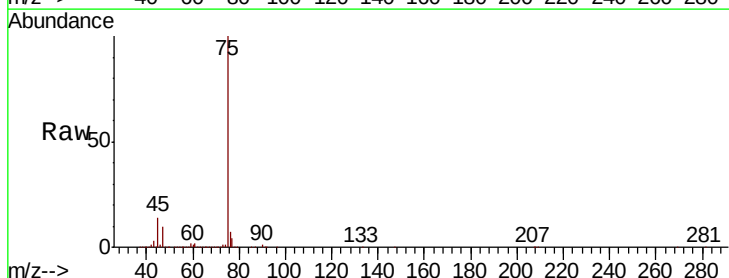
Instrument :
MSVOA_X
ClientSampleId :
400513791-VOA

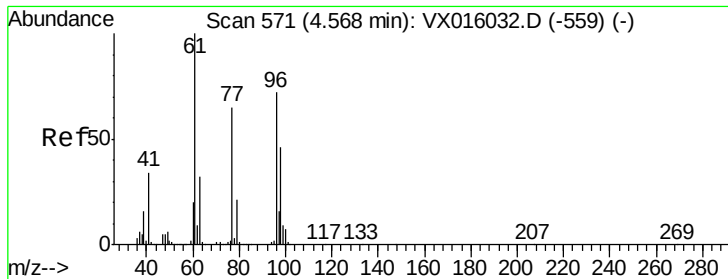
Tot Ion: 43 Resp: 168391
Ion Ratio Lower Upper
43 100
72 14.4 21.8 32.8#



#26
2,2-Dichloropropane
Concen: 52.130 ug/l
RT: 4.67 min Scan# 587
Delta R.T. 0.12 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Tgt Ion: 77 Resp: 232851
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



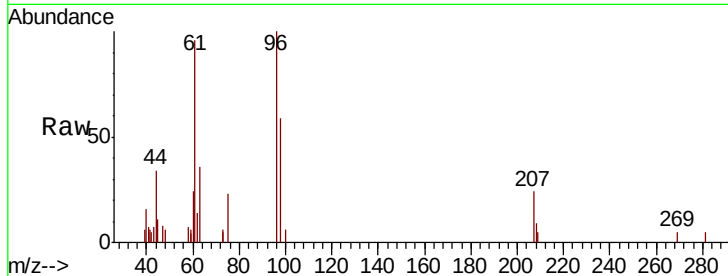


#27

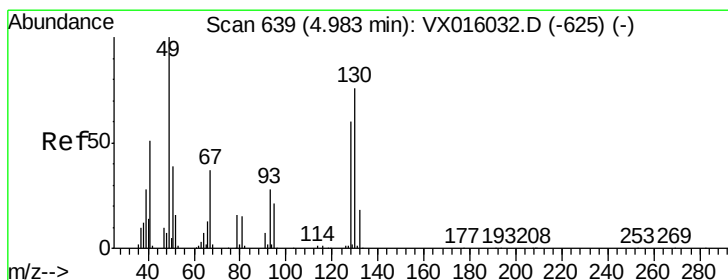
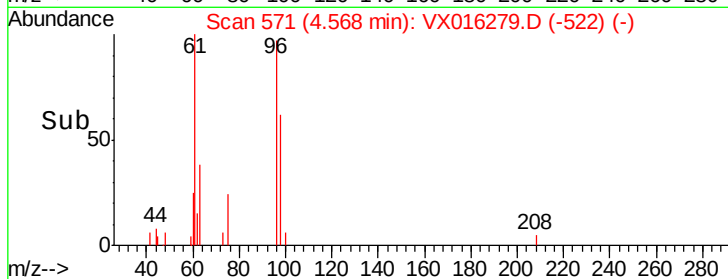
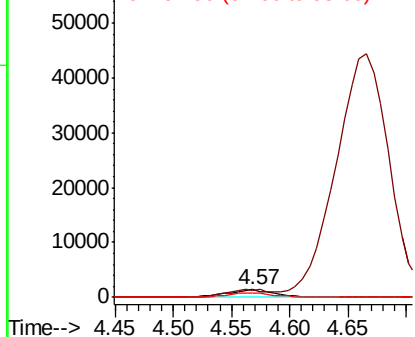
cis-1,2-Dichloroethene
Concen: 1.278 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Instrument :
MSVOA_X
ClientSampleId :
400513791-VOA

Tot Ion: 96 Resp: 3934
Ion Ratio Lower Upper
96 100
61 0.0 0.0 296.2
98 56.9 0.0 129.4



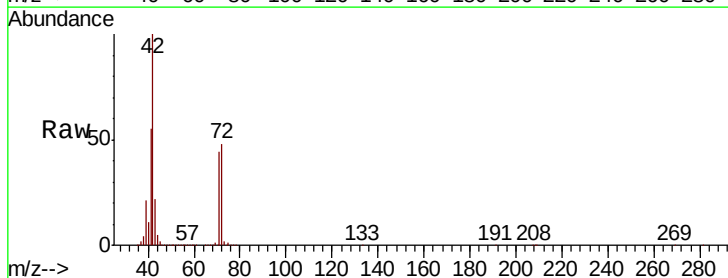
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



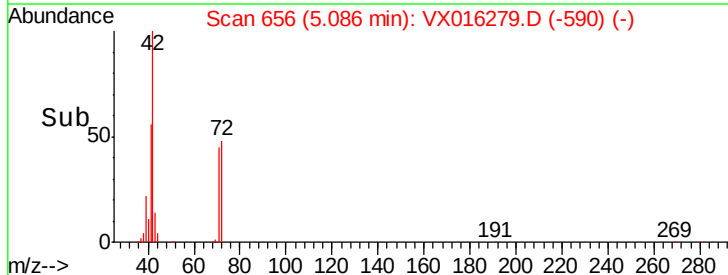
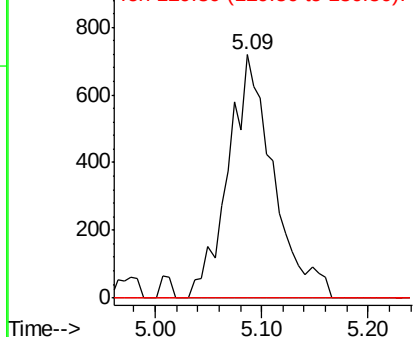
#28

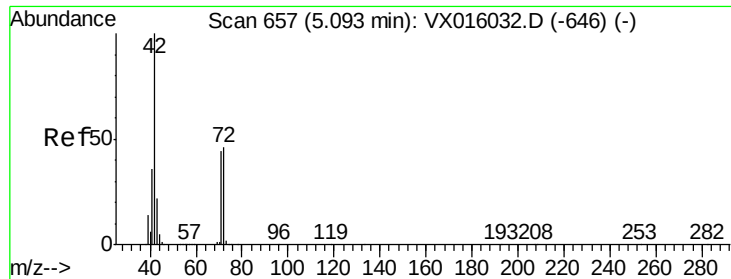
Bromochloromethane
Concen: 0.958 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.10 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Tgt Ion: 49 Resp: 2137
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 62.4 93.6#



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

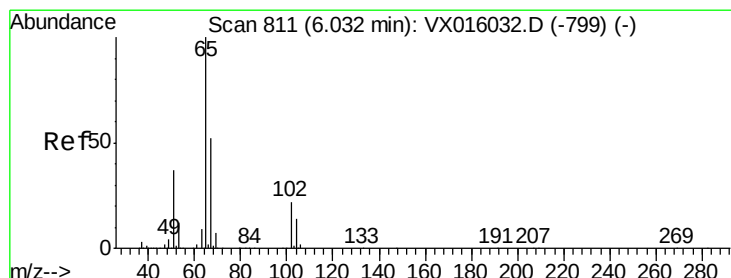
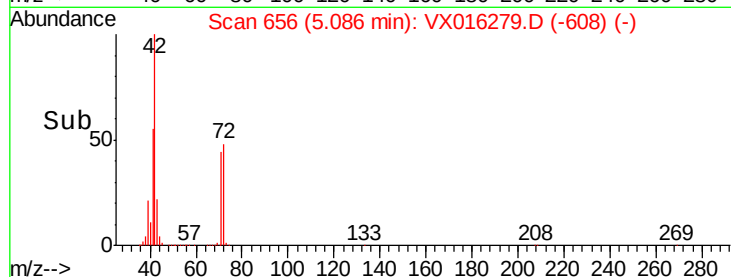
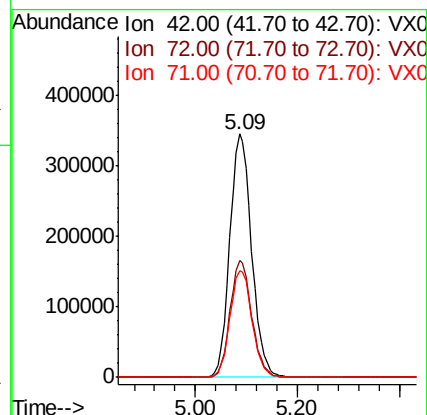
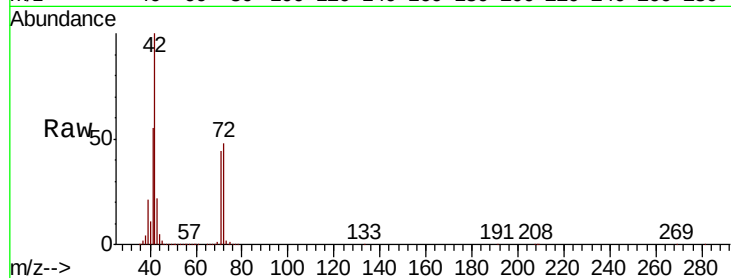




#29
Tetrahydrofuran
Concen: 670.898 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

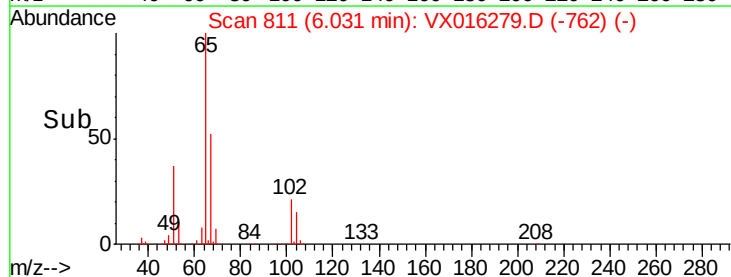
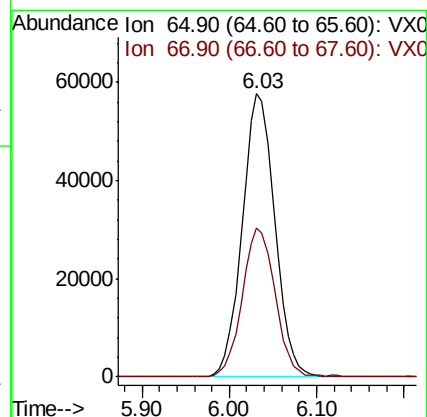
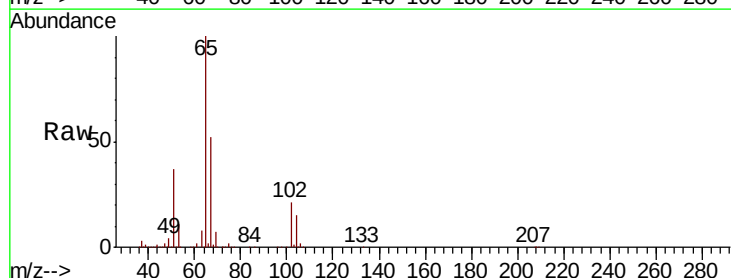
Instrument :
MSVOA_X
ClientSampleId :
400513791-VOA

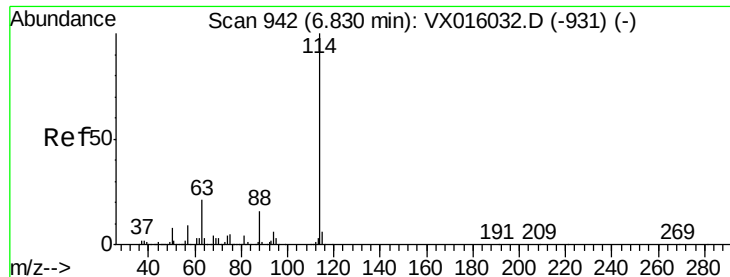
Tot Ion: 42 Resp: 1022684
Ion Ratio Lower Upper
42 100
72 47.6 37.1 55.7
71 44.3 34.5 51.7



#33
1,2-Dichloroethane-d4
Concen: 46.731 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Tgt Ion: 65 Resp: 149526
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.8

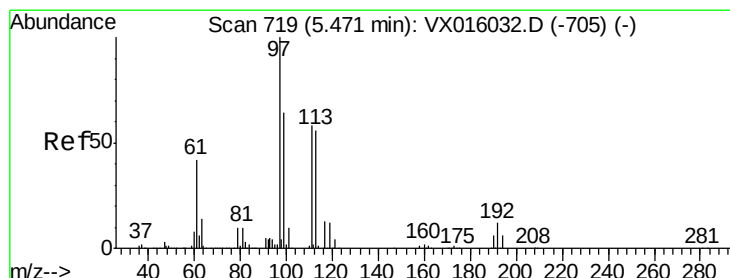
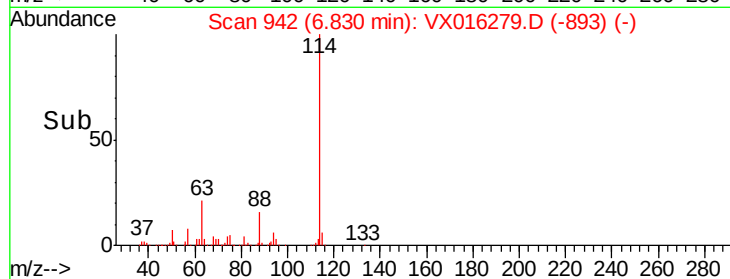
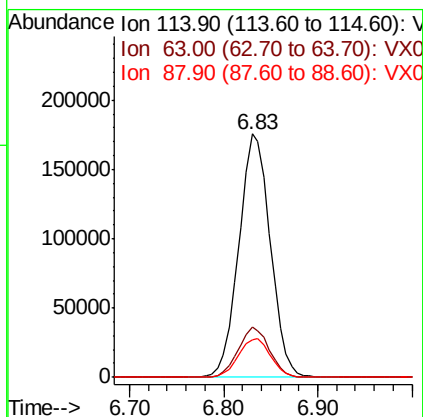
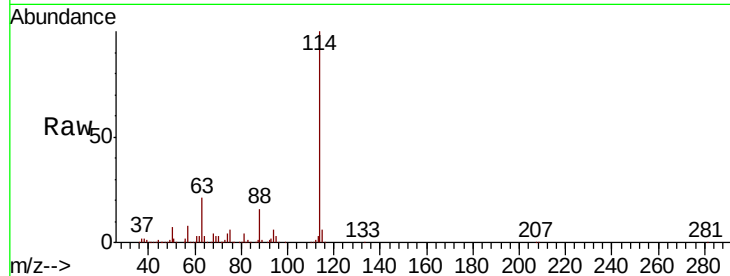




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

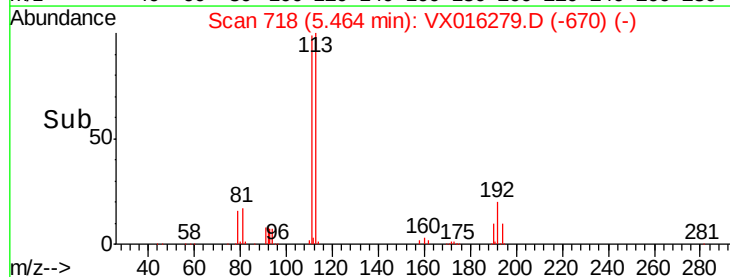
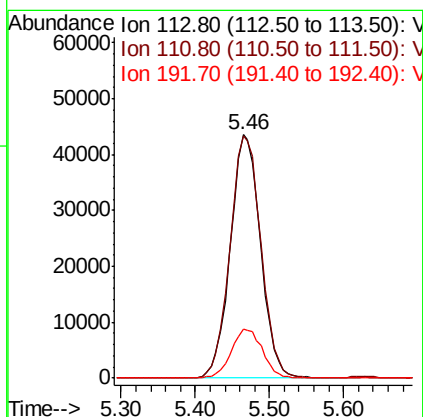
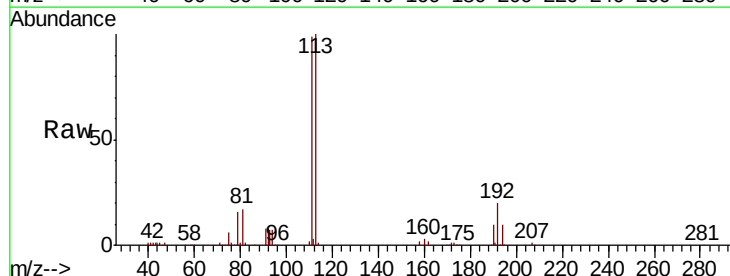
Instrument :
 MSVOA_X
 ClientSampleId :
 400513791-VOA

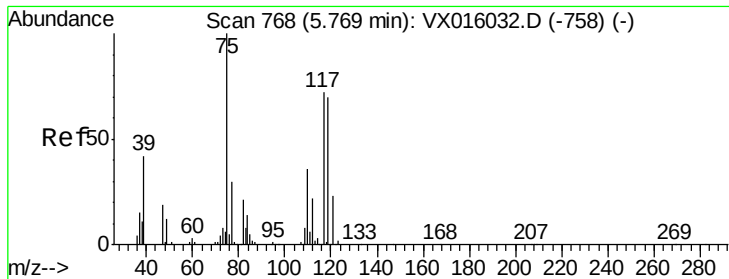
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.8
88	15.6	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 47.932 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.6	122.4
192	20.9	17.0	25.4





#36

1,1-Dichloropropene

Concen: 5.180 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

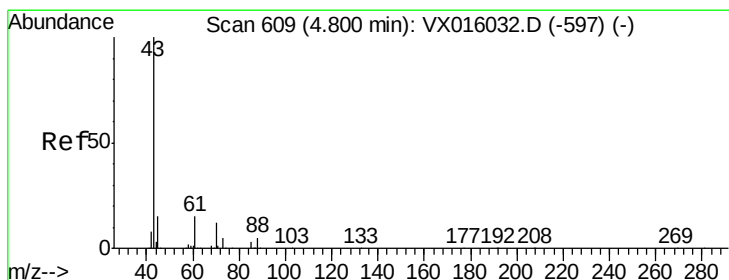
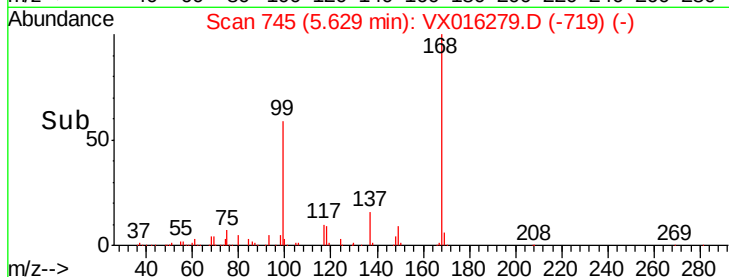
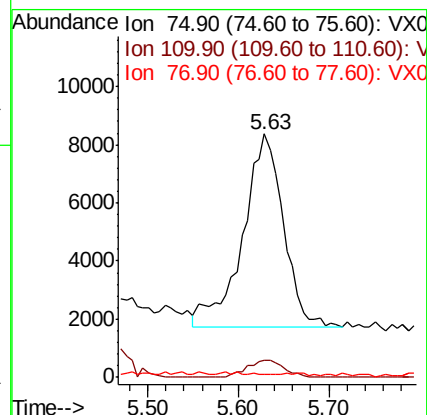
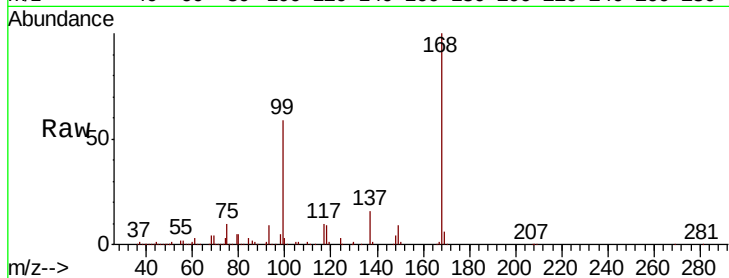
Tot Ion: 75 Resp: 20779

Ion Ratio Lower Upper

75 100

110 7.9 18.1 54.1#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 2.211 ug/l

RT: 4.76 min Scan# 602

Delta R.T. -0.04 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

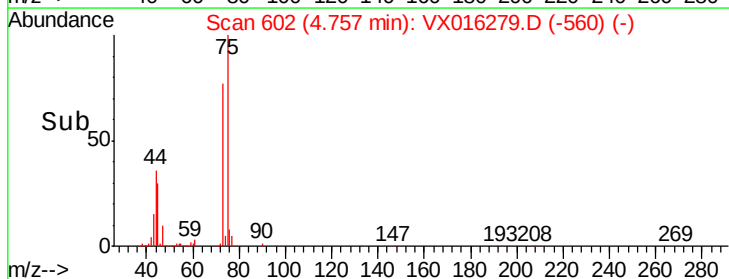
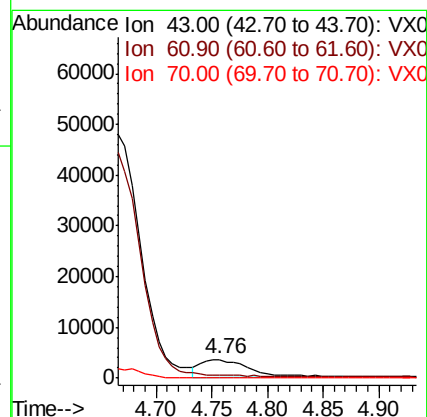
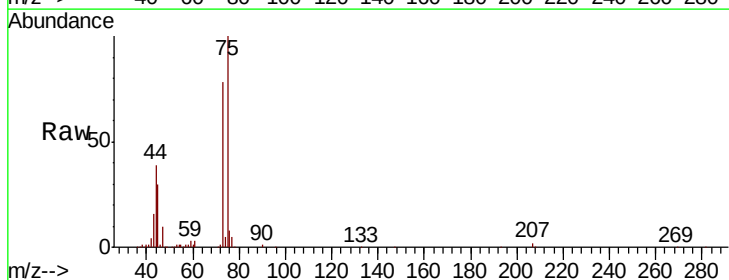
Tgt Ion: 43 Resp: 10279

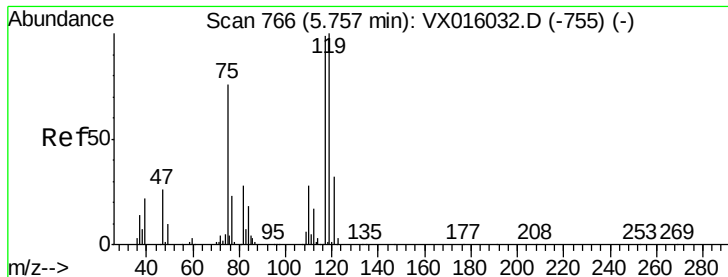
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 9.3 13.9#





#38

Carbon Tetrachloride

Concen: 5.731 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

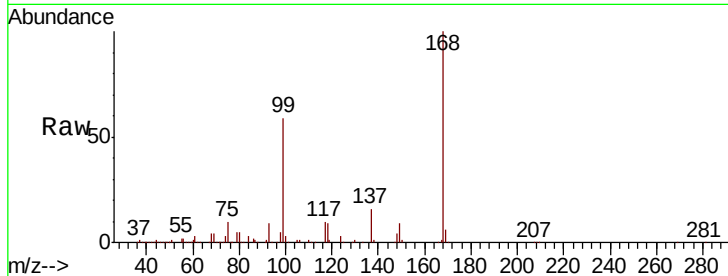
Tot Ion:117 Resp: 23367

Ion Ratio Lower Upper

117 100

119 5.3 80.3 120.5#

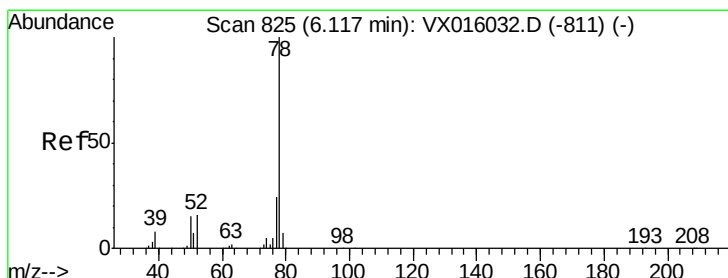
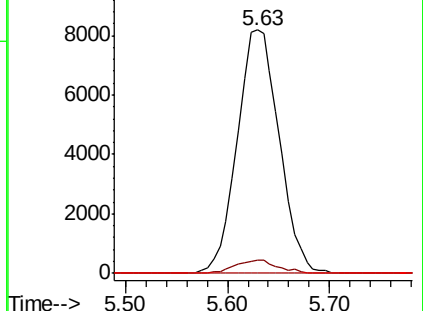
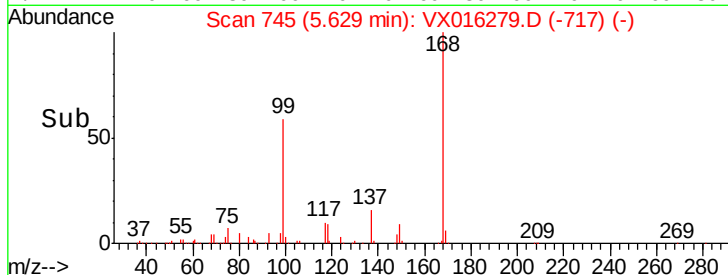
121 0.0 25.7 38.5#



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



#40

Benzene

Concen: 7.093 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX016279.D

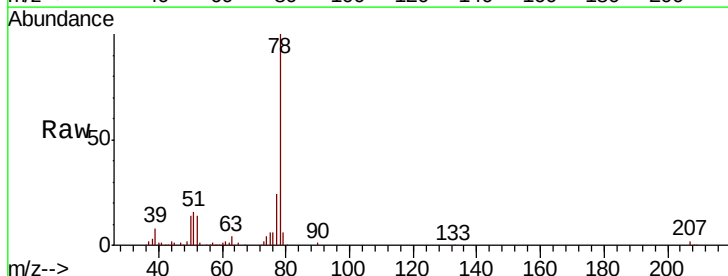
Acq: 15 May 2020 14:40

Tgt Ion: 78 Resp: 83250

Ion Ratio Lower Upper

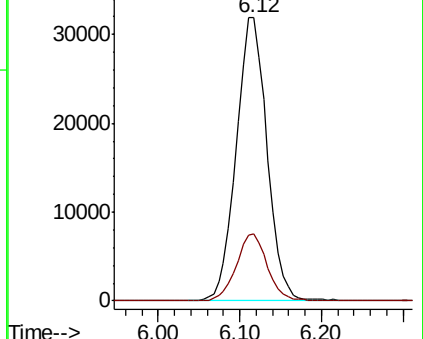
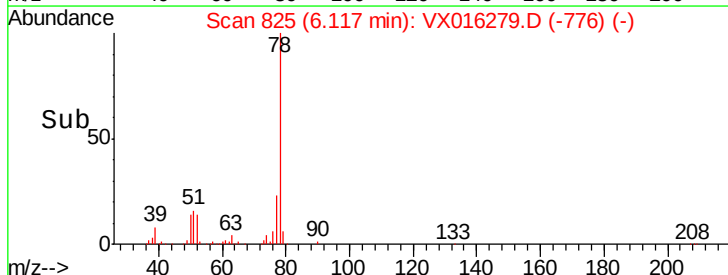
78 100

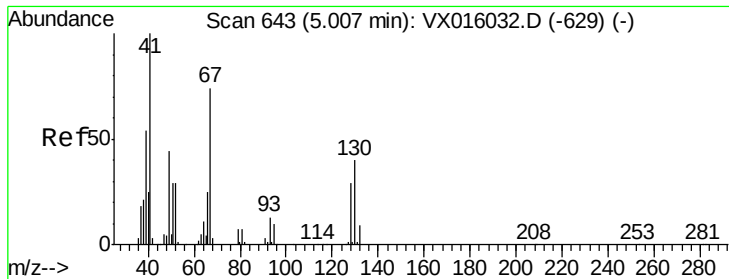
77 23.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 220.822 ug/l

RT: 5.09 min Scan# 656

Delta R.T. 0.08 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

Tot Ion: 41 Resp: 554440

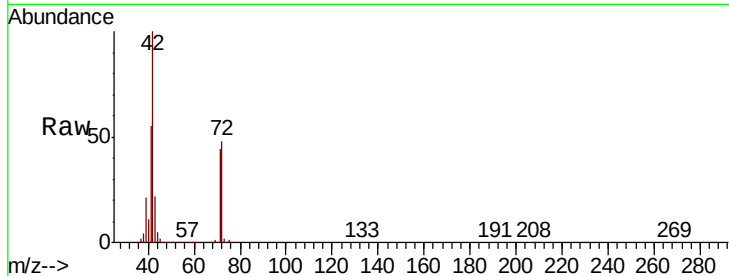
Ion Ratio Lower Upper

41 100

39 39.8 43.2 64.8#

67 0.0 59.3 88.9#

52 0.2 23.5 35.3#

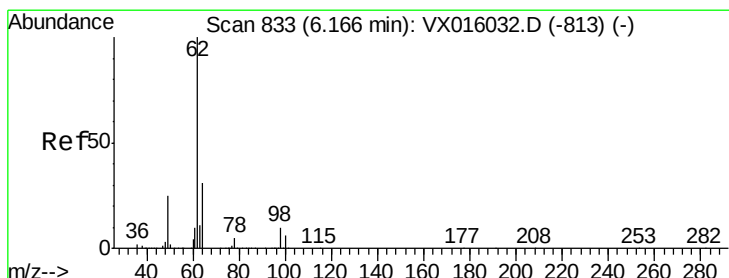
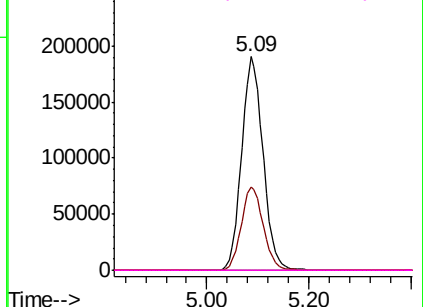
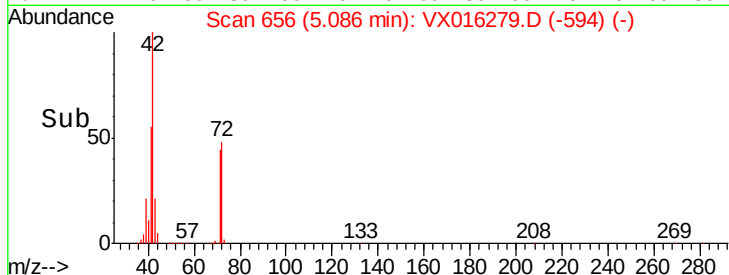


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 0.825 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX016279.D

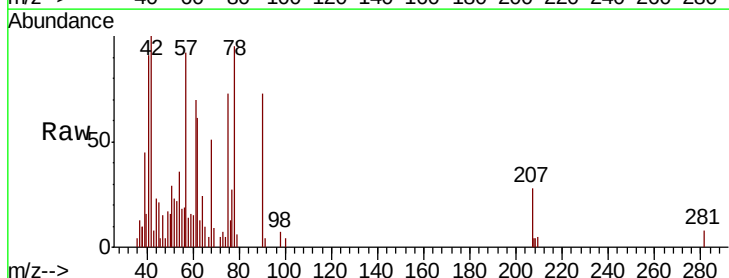
Acq: 15 May 2020 14:40

Tgt Ion: 62 Resp: 3490

Ion Ratio Lower Upper

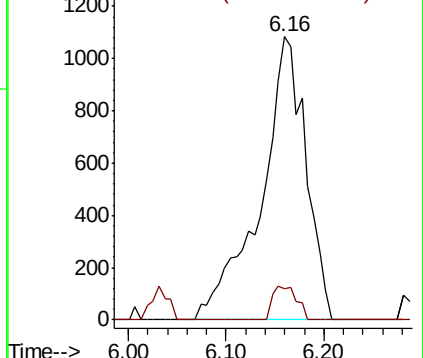
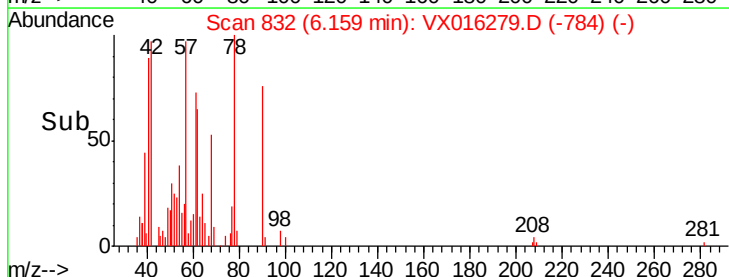
62 100

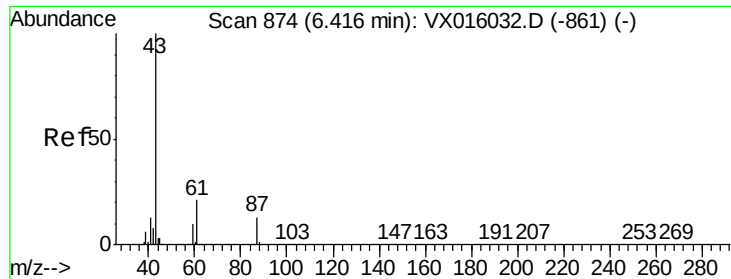
98 6.4 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.657 ug/l

RT: 6.40 min Scan# 872

Delta R.T. -0.01 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

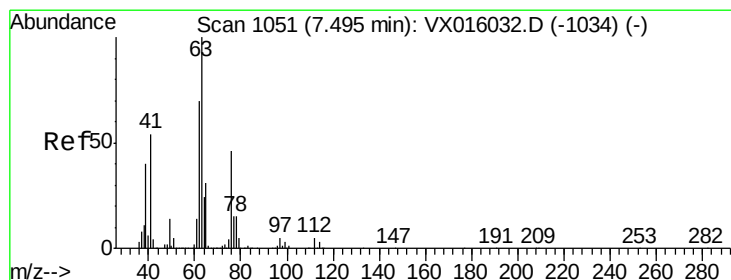
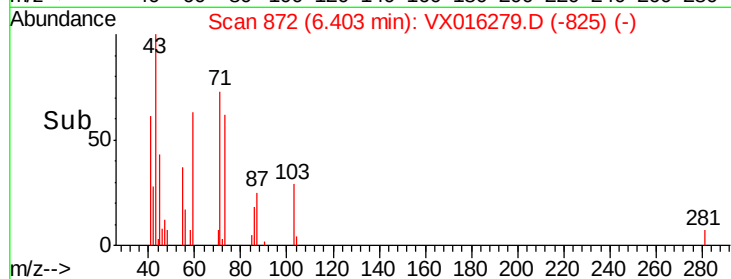
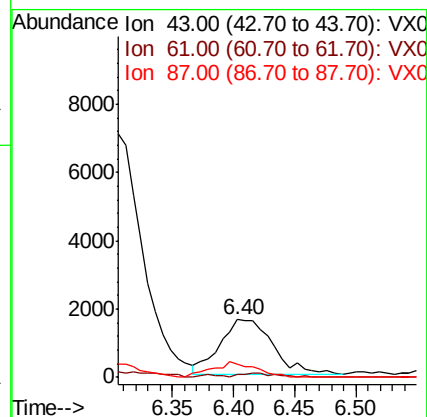
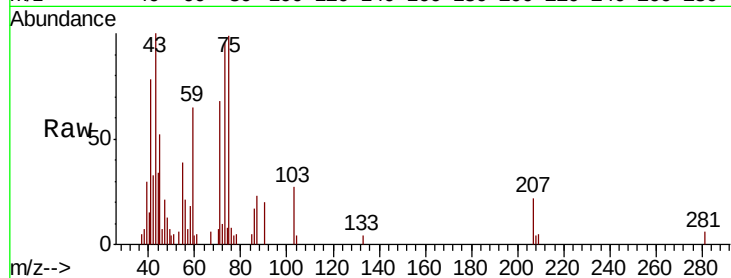
Tot Ion: 43 Resp: 4875

Ion Ratio Lower Upper

43 100

61 5.6 17.0 25.4#

87 23.2 11.0 16.6#



#45

1,2-Dichloropropane

Concen: 0.319 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VX016279.D

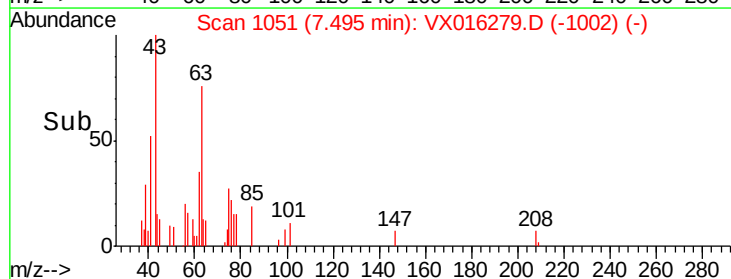
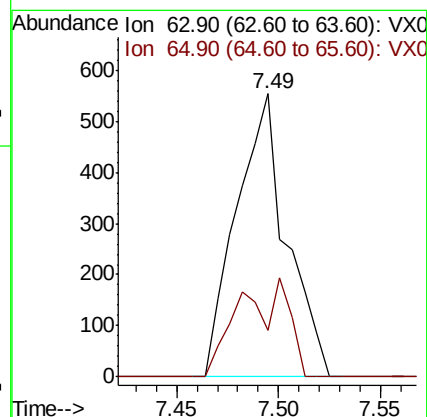
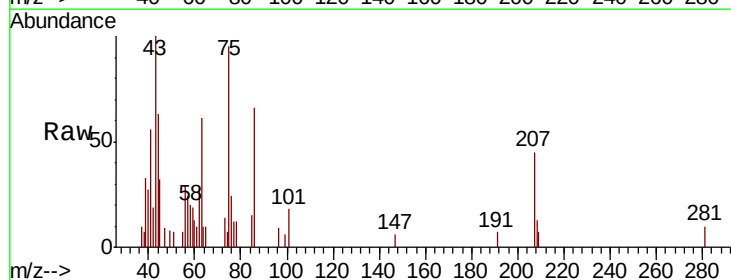
Acq: 15 May 2020 14:40

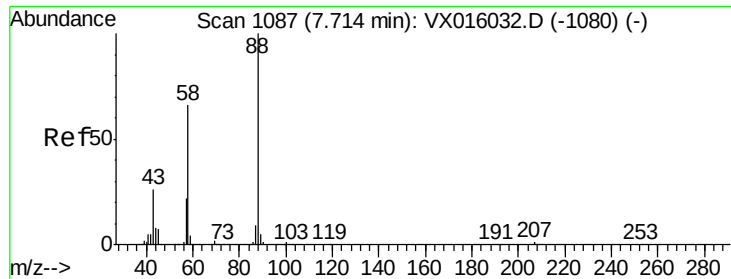
Tgt Ion: 63 Resp: 948

Ion Ratio Lower Upper

63 100

65 16.4 24.4 36.6#





#49

1,4-Dioxane

Concen: 124.506 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

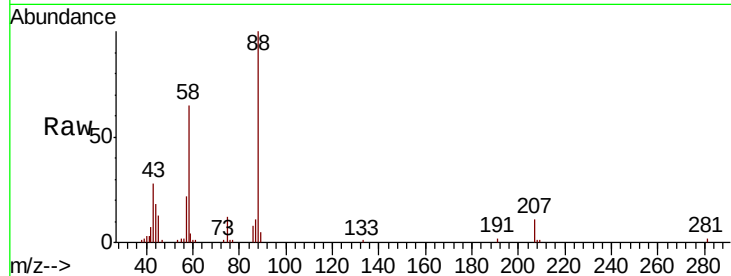
Tot Ion: 88 Resp: 10496

Ion	Ratio	Lower	Upper
88	100		
43	28.8	25.3	37.9
58	68.6	55.9	83.9

88 100

43 28.8 25.3 37.9

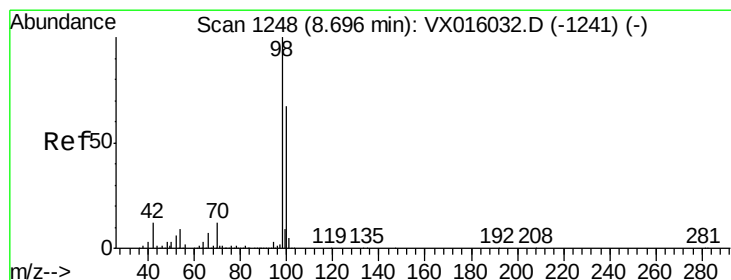
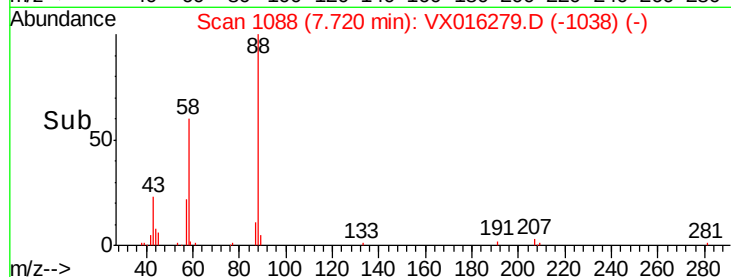
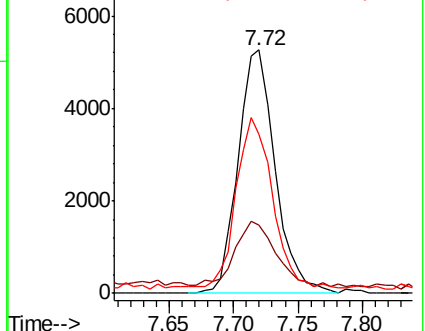
58 68.6 55.9 83.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.227 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016279.D

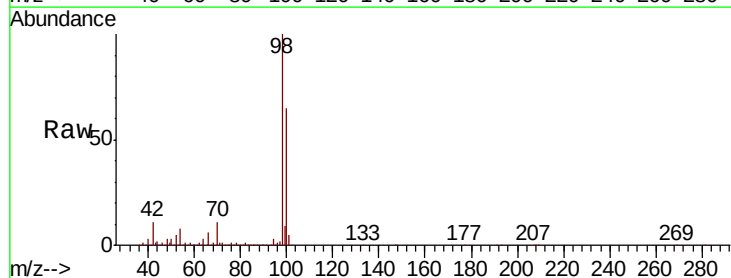
Acq: 15 May 2020 14:40

Tgt Ion: 98 Resp: 509583

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.7	80.5

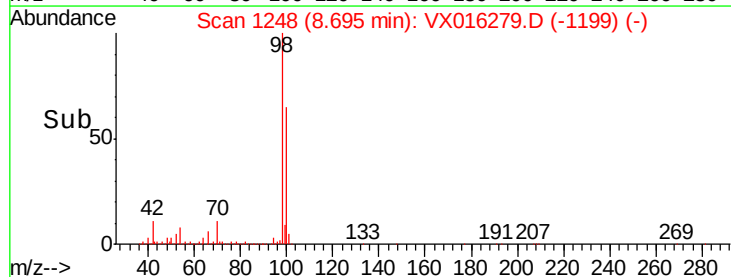
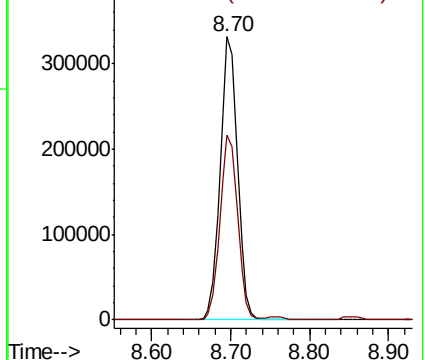
98 100

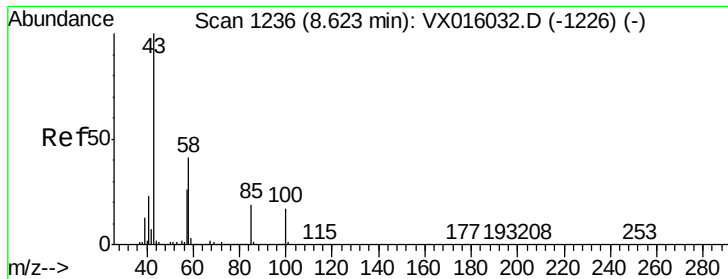
100 66.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

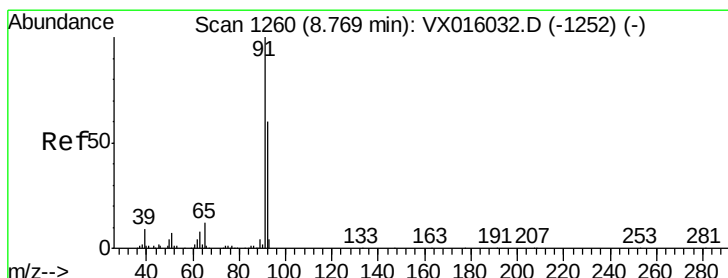
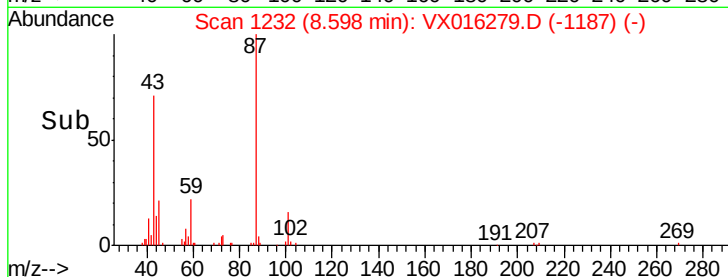
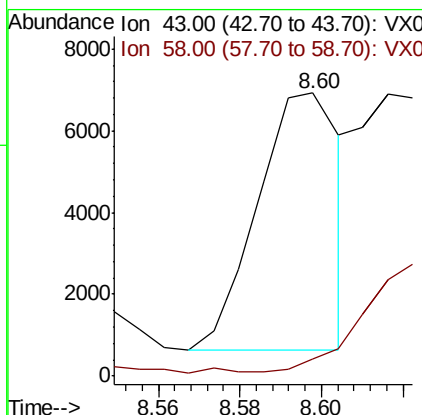
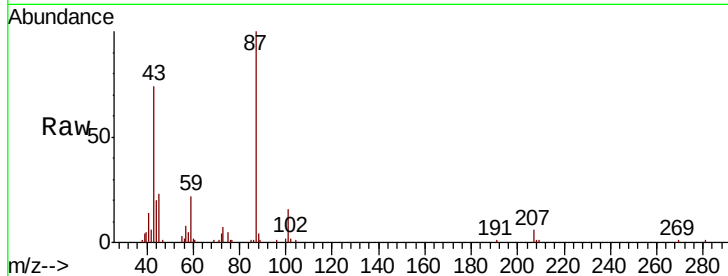




#51
4-Methyl-2-Pentanone
Concen: 1.952 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

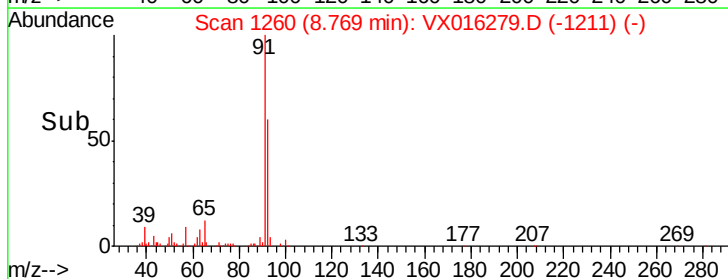
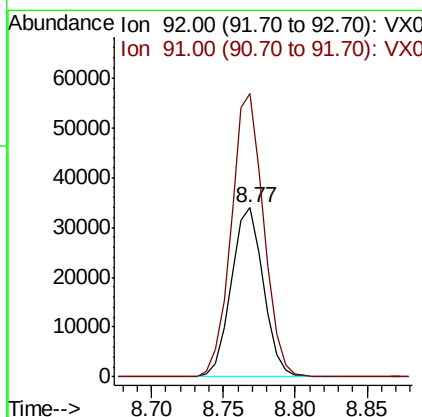
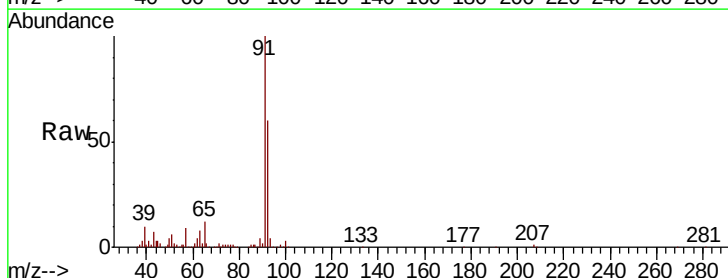
Instrument :
MSVOA_X
ClientSampleId :
400513791-VOA

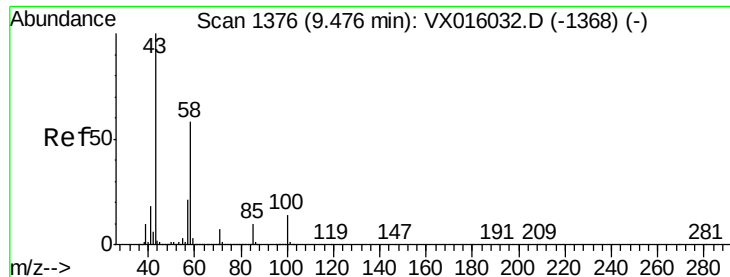
Tot Ion: 43 Resp: 8863
Ion Ratio Lower Upper
43 100
58 0.0 33.0 49.4#



#52
Toluene
Concen: 7.246 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Tgt Ion: 92 Resp: 53007
Ion Ratio Lower Upper
92 100
91 168.2 134.5 201.7

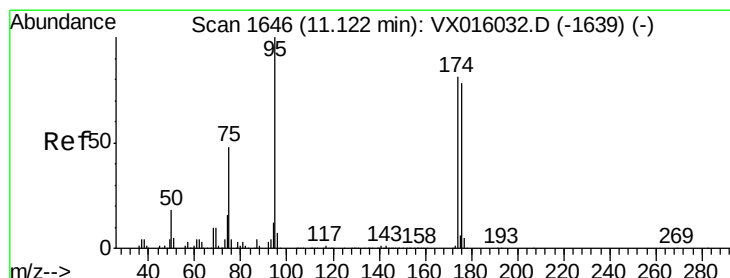
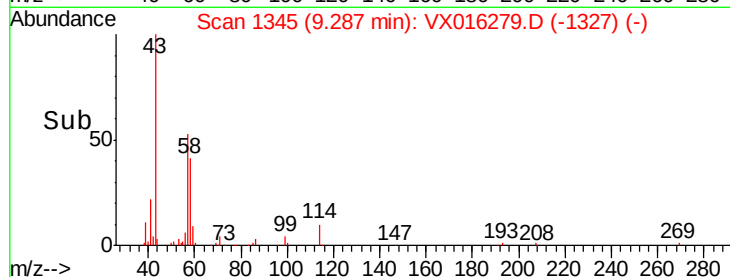
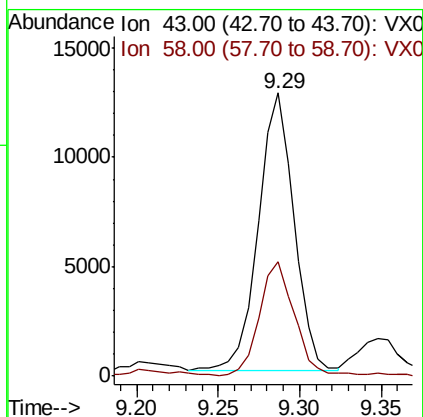
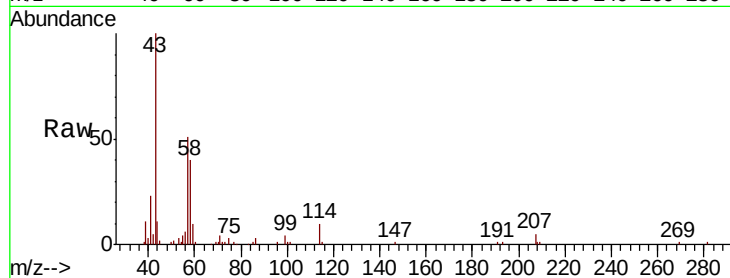




#59
2-Hexanone
Concen: 5.363 ug/l
RT: 9.29 min Scan# 1345
Delta R.T. -0.19 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

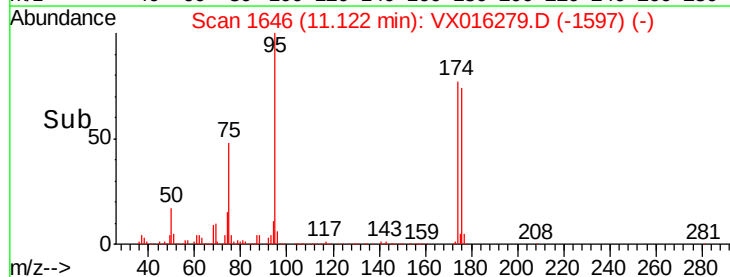
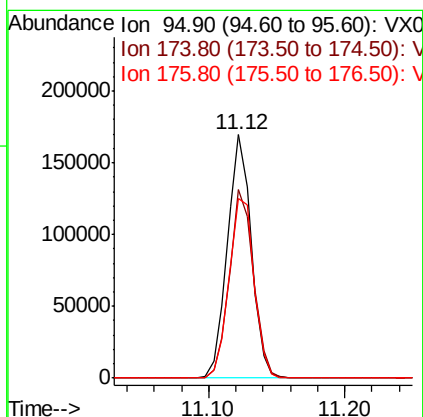
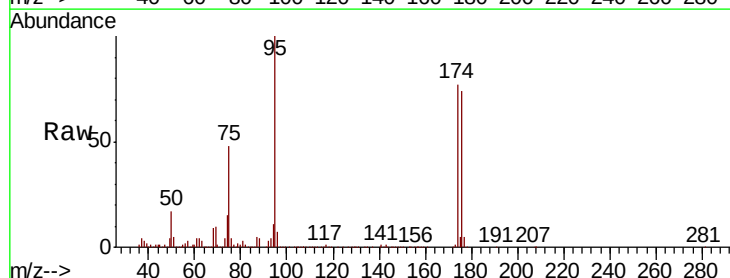
Instrument :
MSVOA_X
ClientSampleId :
400513791-VOA

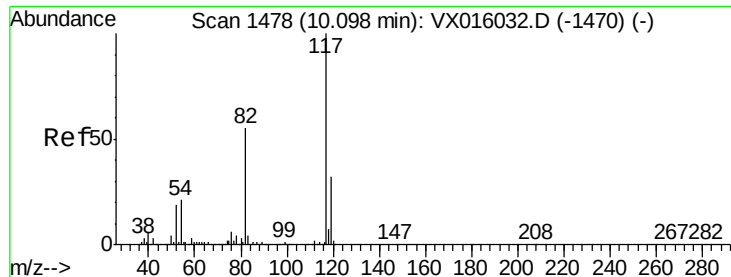
Tot Ion: 43 Resp: 19117
Ion Ratio Lower Upper
43 100
58 39.6 28.6 85.9



#62
4-Bromofluorobenzene
Concen: 54.528 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Tgt Ion: 95 Resp: 206309
Ion Ratio Lower Upper
95 100
174 78.4 0.0 159.4
176 77.9 0.0 157.6

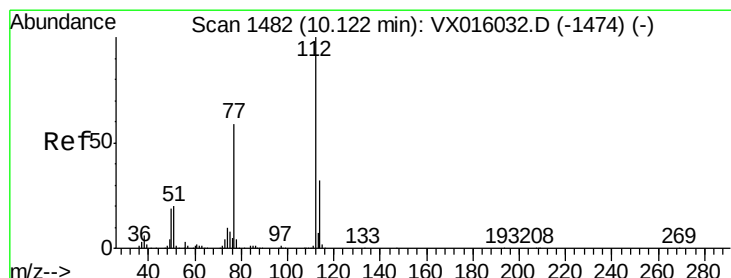
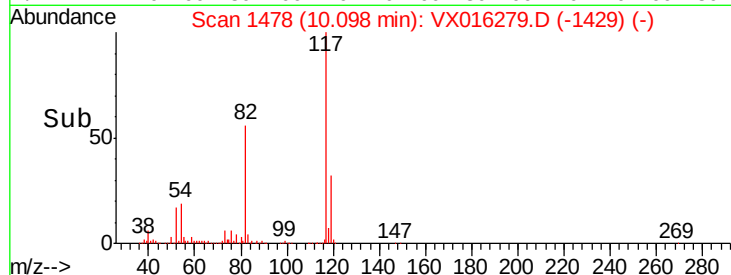
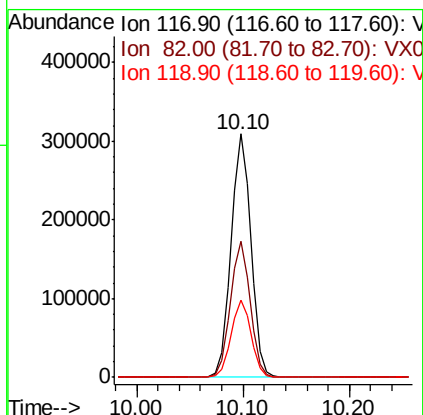
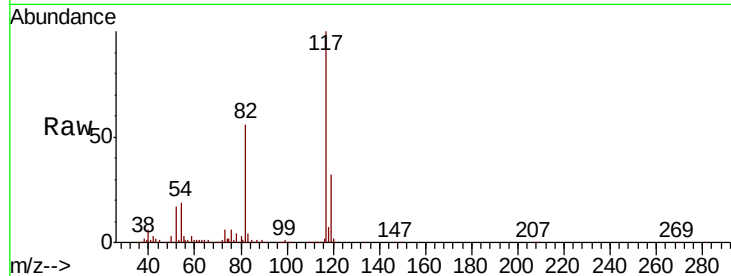




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

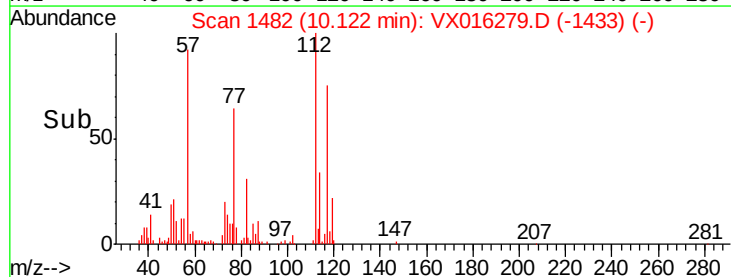
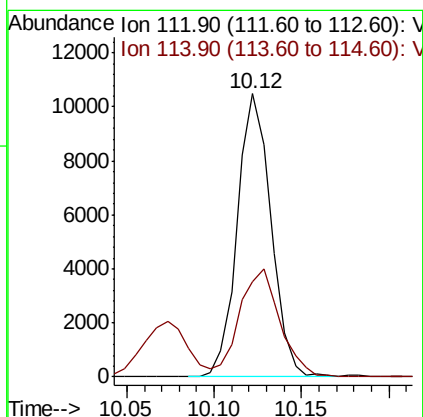
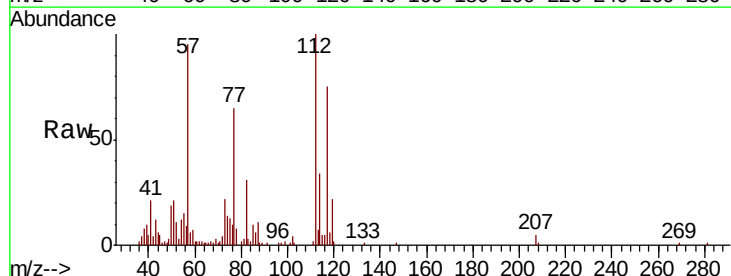
Instrument :
MSVOA_X
ClientSampleId :
400513791-VOA

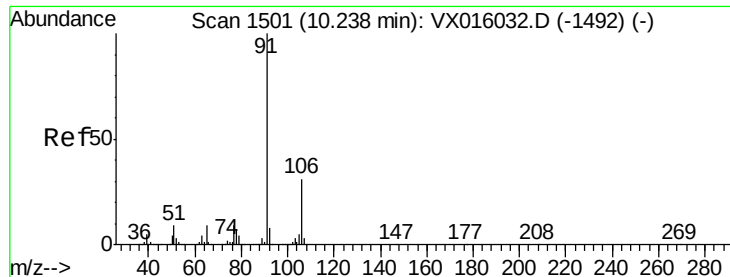
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.4	66.6
119	31.9	25.5	38.3



#65
Chlorobenzene
Concen: 1.648 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.8	25.7	38.5





#67

Ethyl Benzene

Concen: 6.273 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

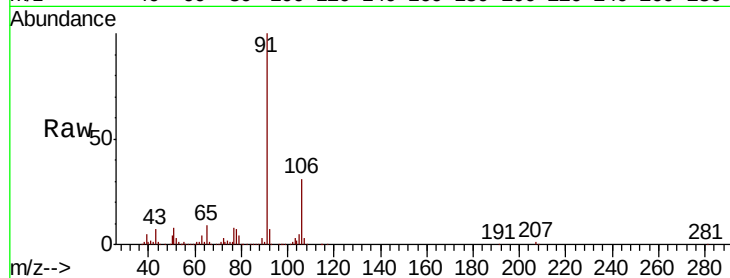
400513791-VOA

Tot Ion: 91 Resp: 95379

Ion Ratio Lower Upper

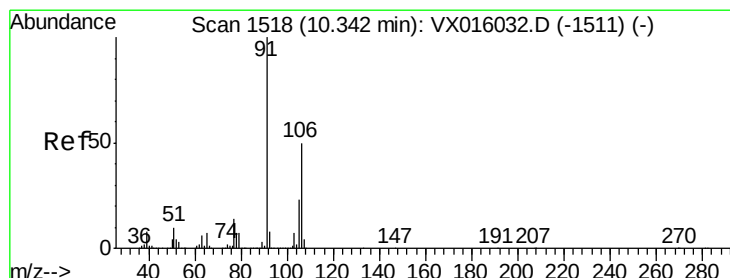
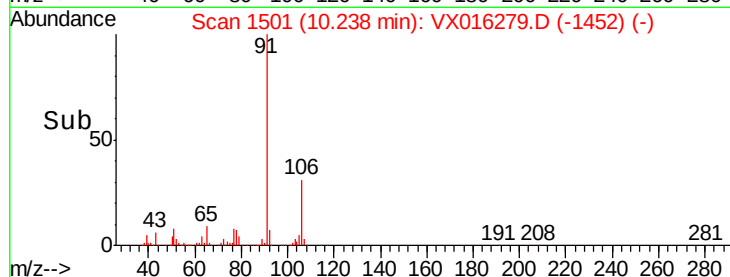
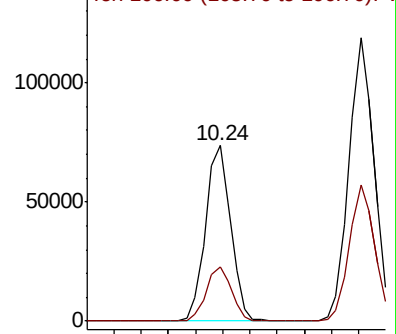
91 100

106 30.7 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 13.096 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016279.D

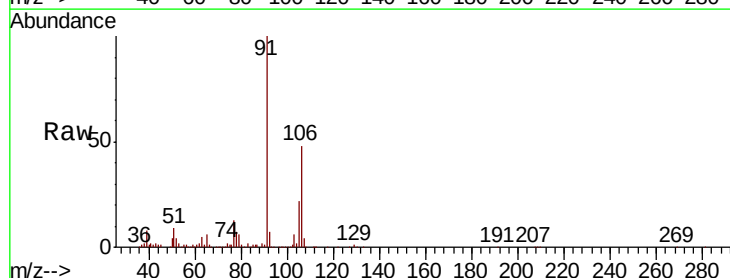
Acq: 15 May 2020 14:40

Tgt Ion: 106 Resp: 74609

Ion Ratio Lower Upper

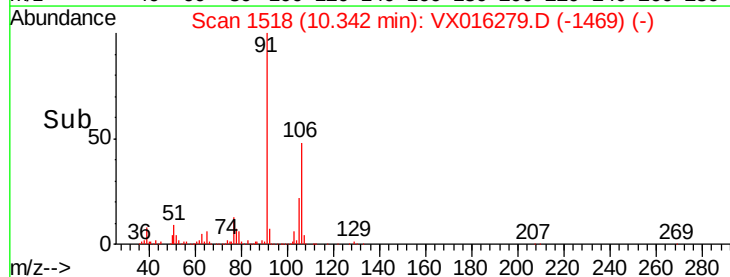
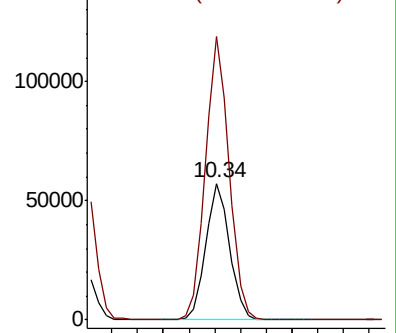
106 100

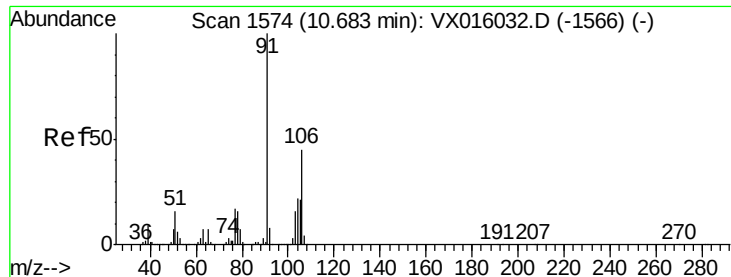
91 204.5 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

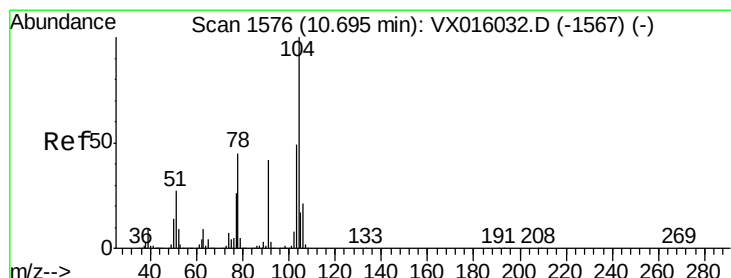
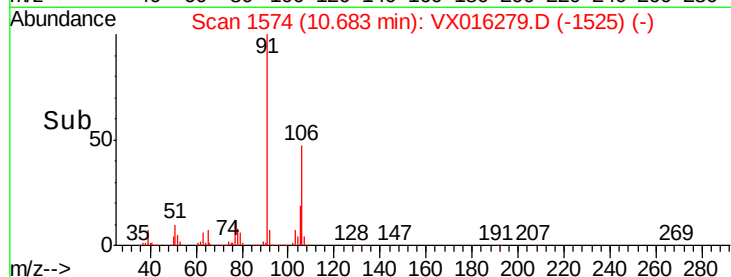
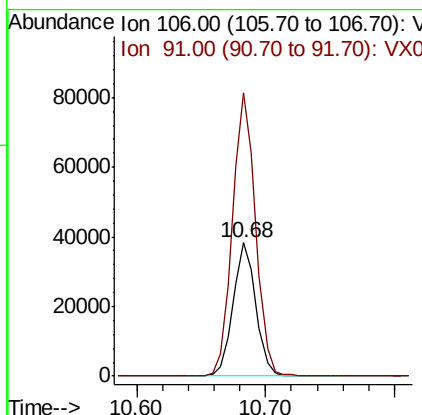
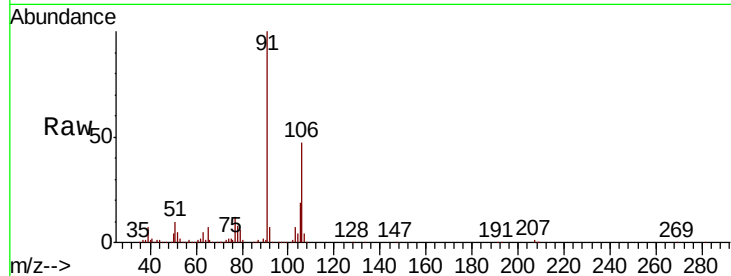




#69
o-Xylene
Concen: 8.616 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

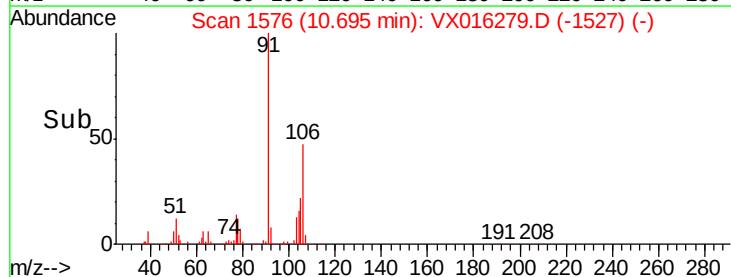
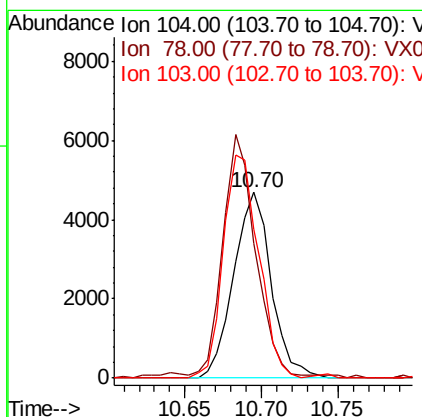
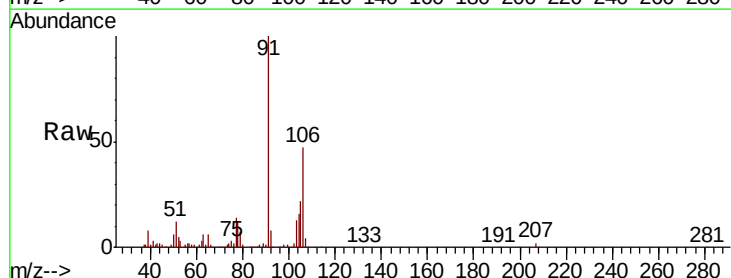
Instrument :
MSVOA_X
ClientSampleId :
400513791-VOA

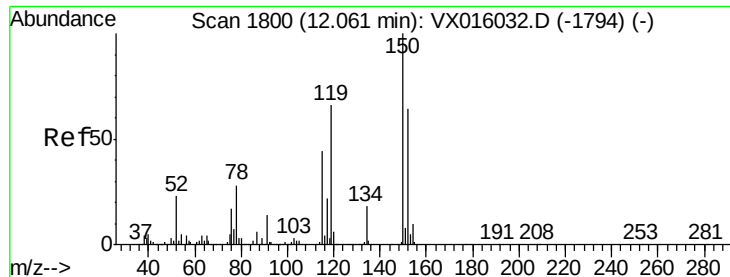
Tot Ion:106 Resp: 47179
Ion Ratio Lower Upper
106 100
91 215.4 107.5 322.6



#70
Styrene
Concen: 0.857 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Tgt Ion:104 Resp: 7966
Ion Ratio Lower Upper
104 100
78 116.6 40.2 60.2#
103 113.4 43.0 64.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

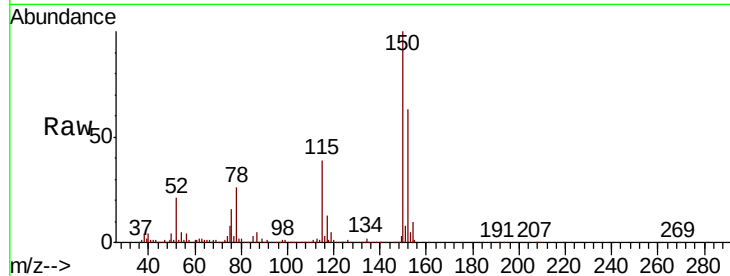
Tot Ion:152 Resp: 206966

Ion Ratio Lower Upper

152 100

115 61.2 41.3 124.1

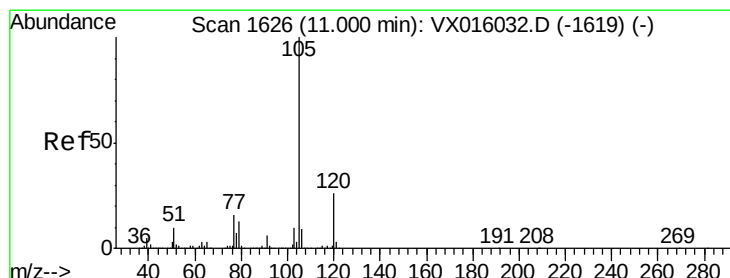
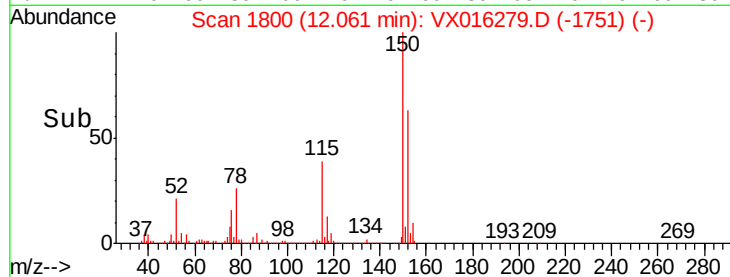
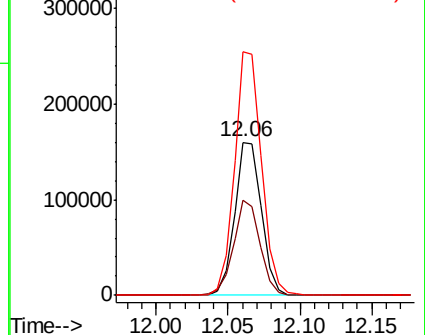
150 160.9 0.0 352.2



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: 0.778 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016279.D

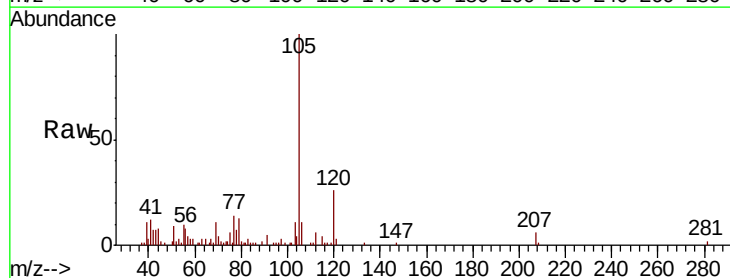
Acq: 15 May 2020 14:40

Tgt Ion:105 Resp: 11713

Ion Ratio Lower Upper

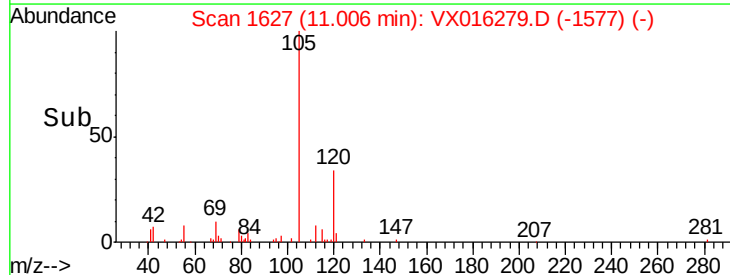
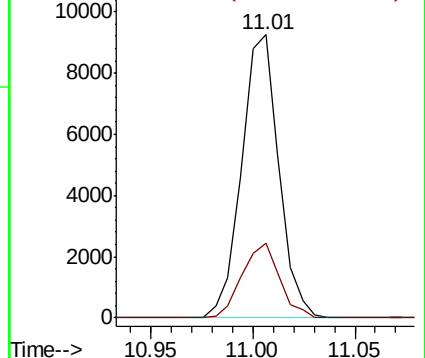
105 100

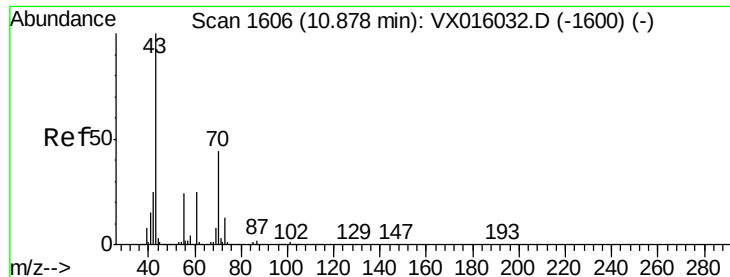
120 26.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.199 ug/l

RT: 10.93 min Scan# 1615

Delta R.T. 0.05 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

Tot Ion: 43 Resp: 8416

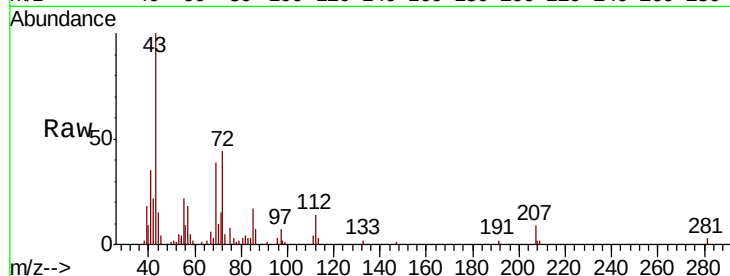
Ion Ratio Lower Upper

43 100

70 5.4 36.5 54.7#

55 23.9 19.7 29.5

61 0.0 20.9 31.3#

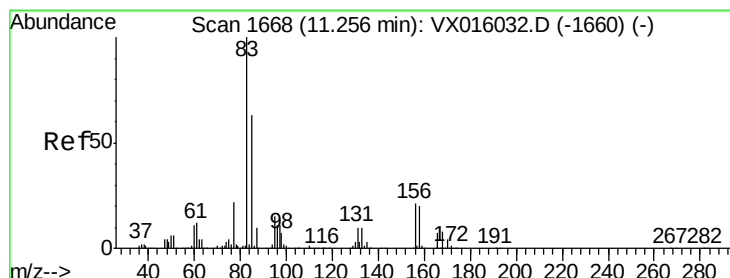
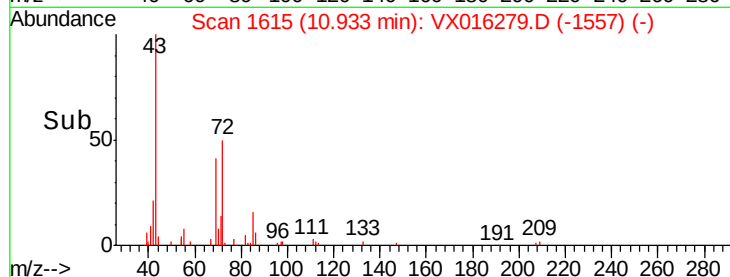
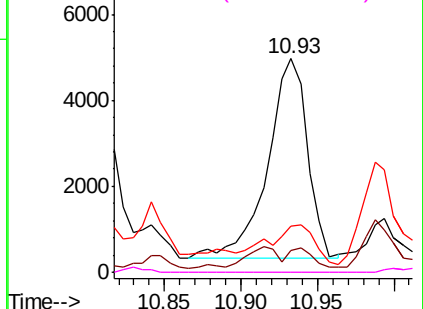


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.161 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

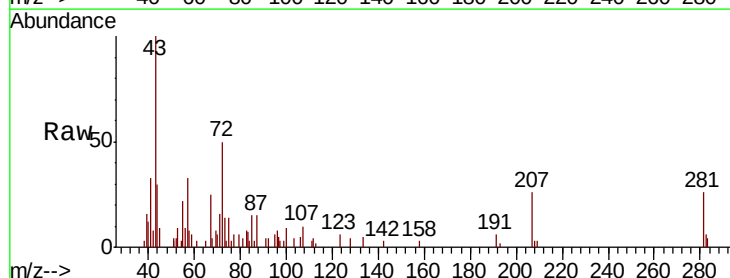
Tgt Ion: 83 Resp: 315

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

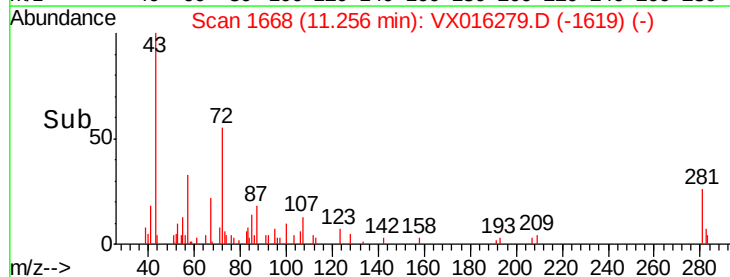
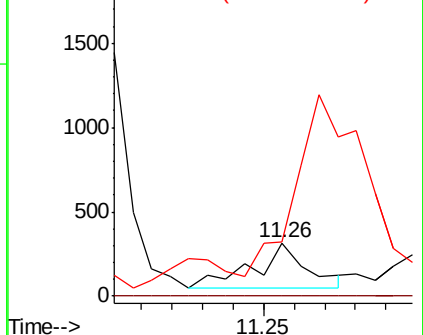
85 587.0 32.0 96.0#

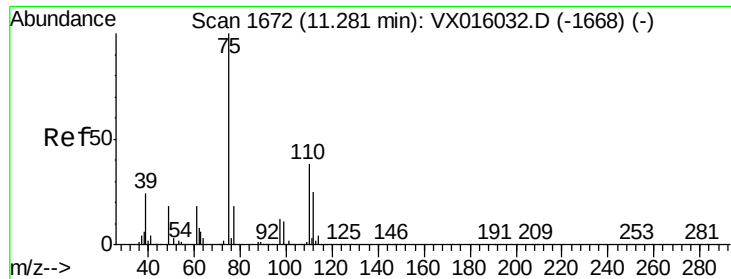


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

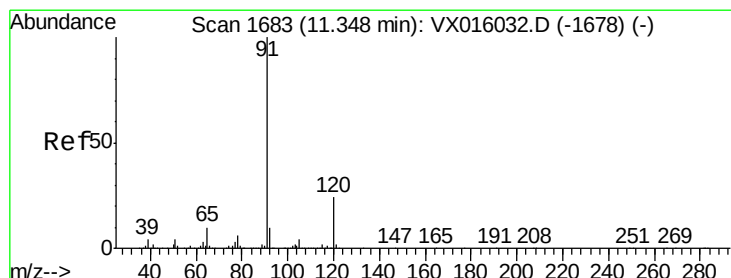
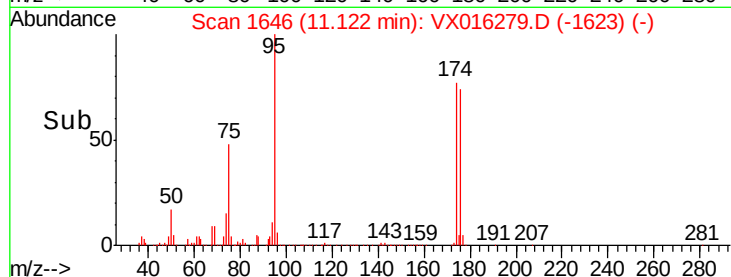
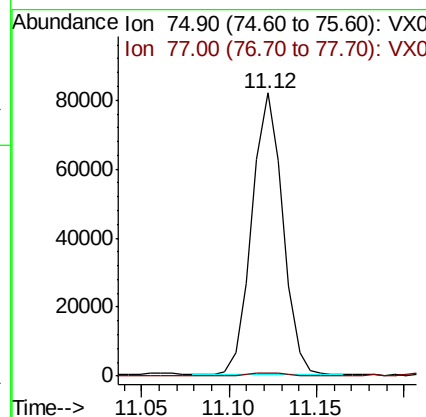
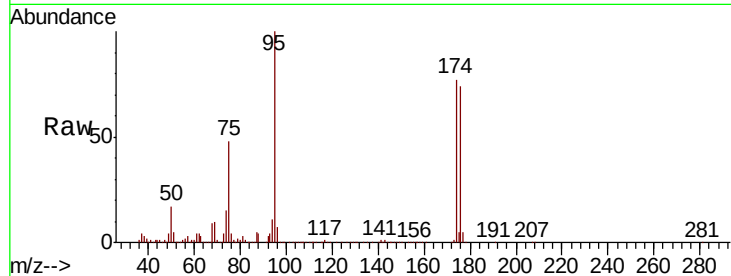




#76
 1,2,3-Trichloropropane
 Concen: 21.301 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

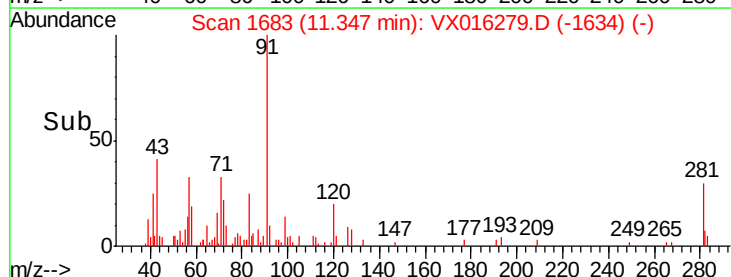
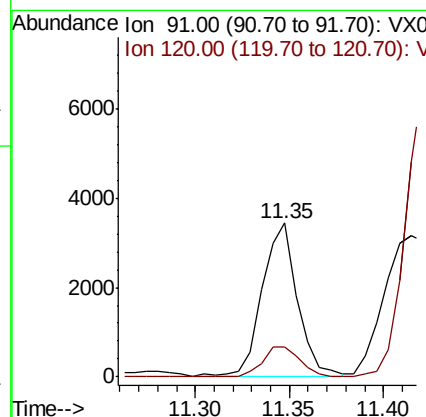
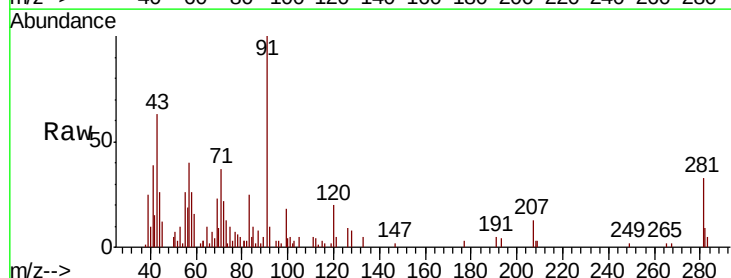
Instrument :
 MSVOA_X
 ClientSampleId :
 400513791-VOA

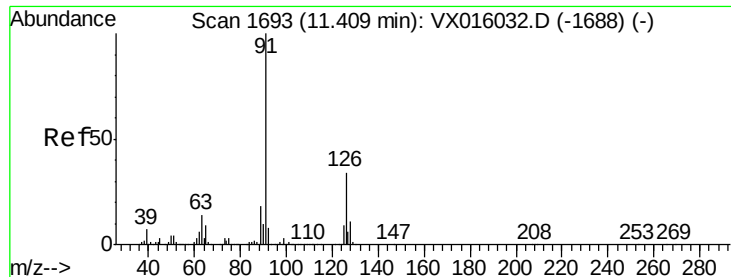
Tot Ion: 75 Resp: 100043
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#78
 n-propylbenzene
 Concen: 0.257 ug/l
 RT: 11.35 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

Tgt Ion: 91 Resp: 4492
 Ion Ratio Lower Upper
 91 100
 120 20.5 11.5 34.5

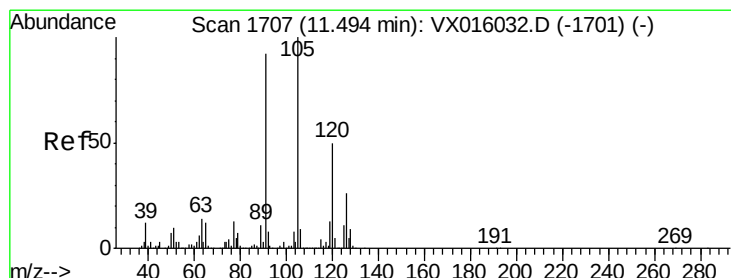
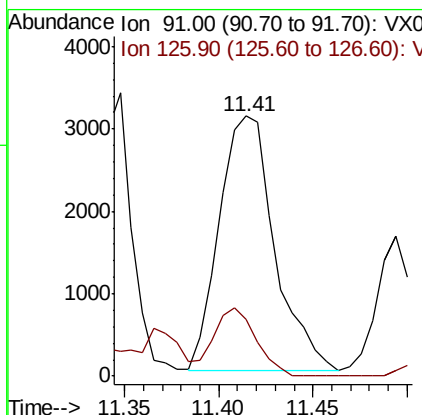
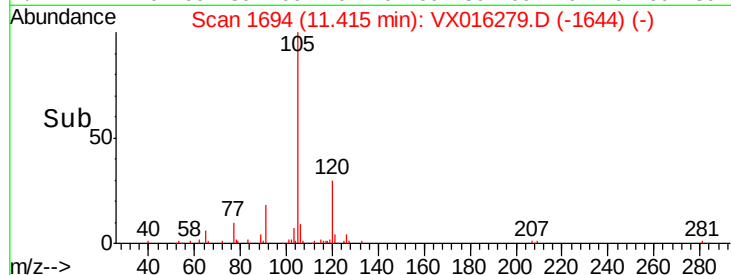
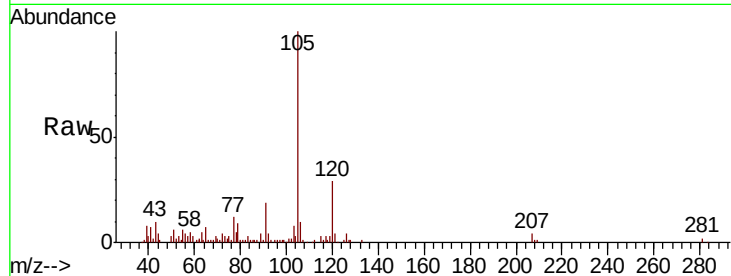




#79
 2-Chlorotoluene
 Concen: 0.610 ug/l
 RT: 11.41 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

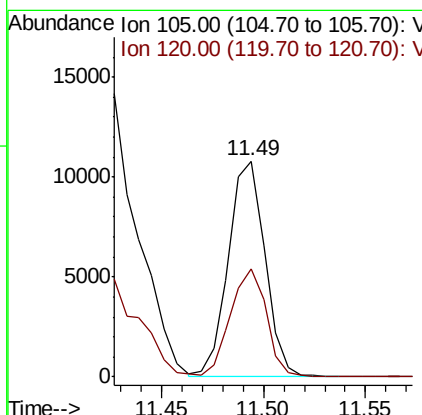
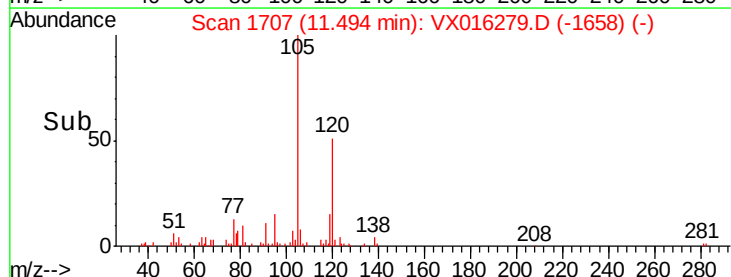
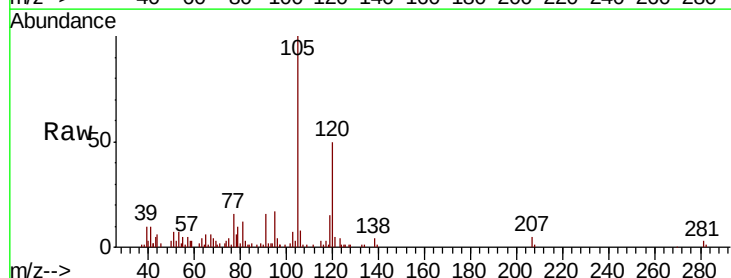
Instrument :
 MSVOA_X
 ClientSampleId :
 400513791-VOA

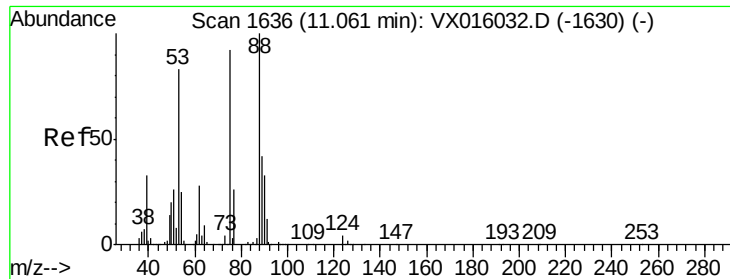
Tot Ion: 91 Resp: 6308
 Ion Ratio Lower Upper
 91 100
 126 20.9 16.9 50.6



#80
 1,3,5-Trimethylbenzene
 Concen: 1.059 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

Tgt Ion: 105 Resp: 13456
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.763 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

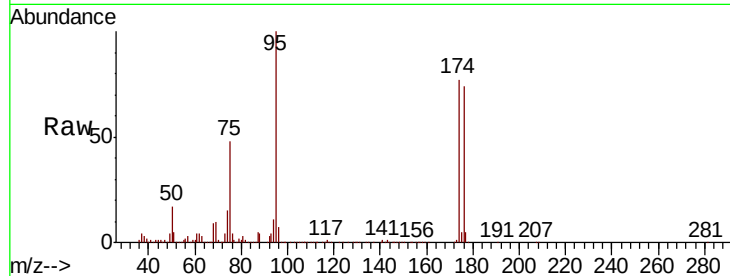
Tot Ion: 75 Resp: 100043

Ion Ratio Lower Upper

75 100

53 0.2 73.1 109.7#

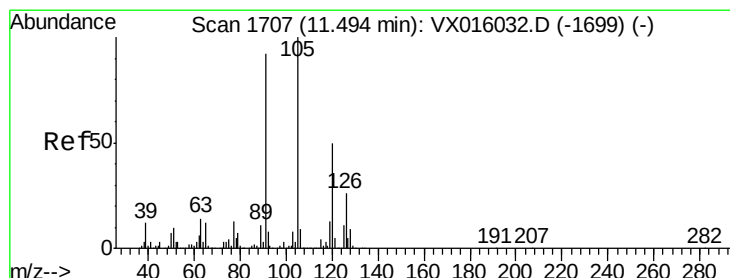
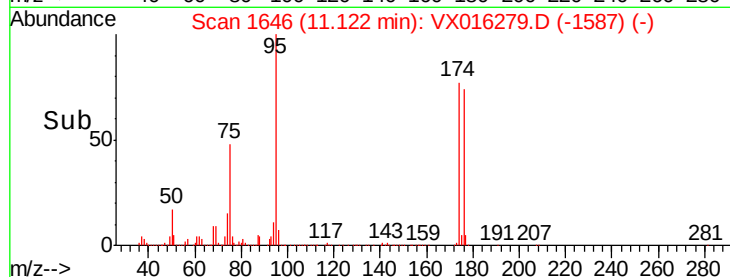
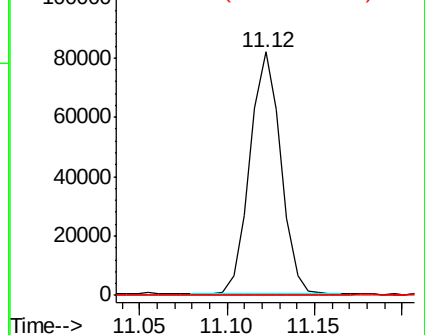
89 0.0 36.7 55.1#



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: 0.533 ug/l

RT: 11.41 min Scan# 1694

Delta R.T. -0.08 min

Lab File: VX016279.D

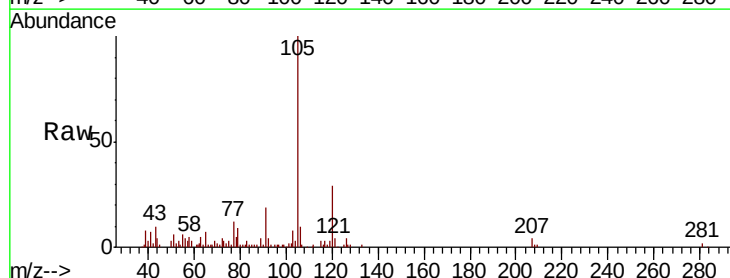
Acq: 15 May 2020 14:40

Tgt Ion: 91 Resp: 6503

Ion Ratio Lower Upper

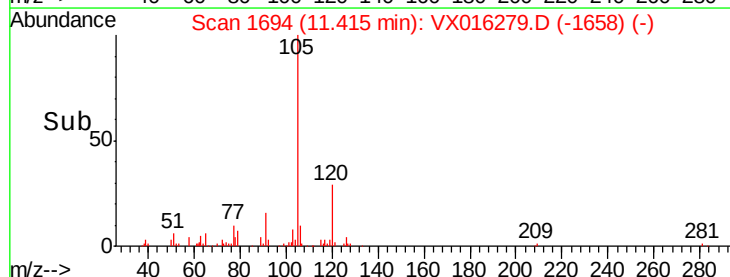
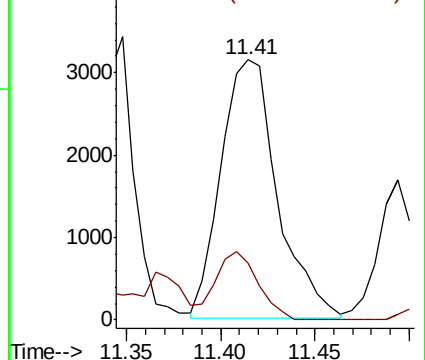
91 100

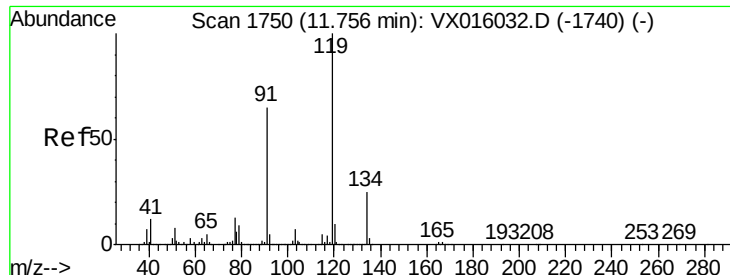
126 20.3 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

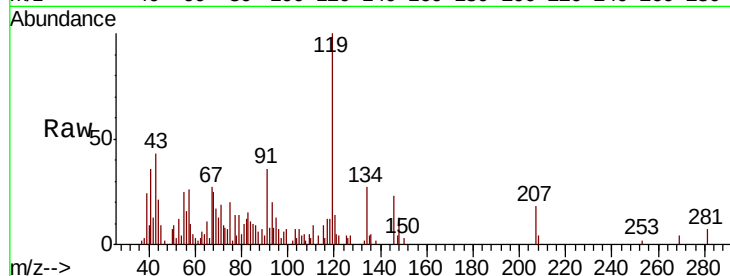




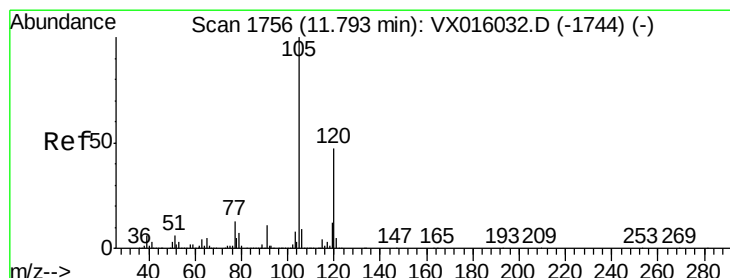
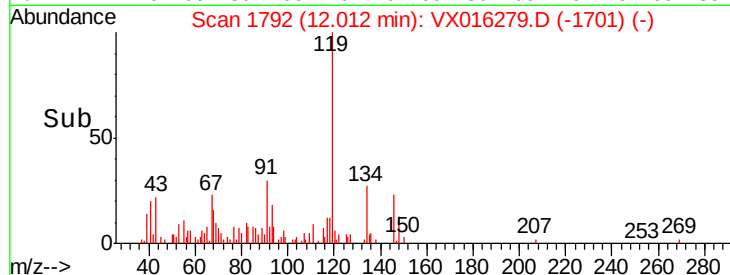
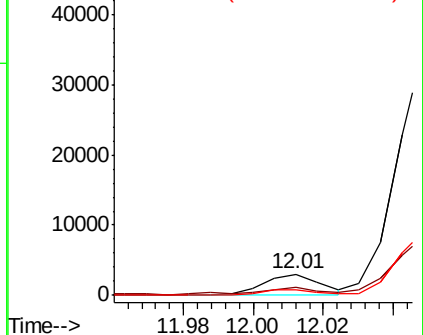
#83
tert-Butylbenzene
Concen: 0.317 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. 0.26 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Instrument :
MSVOA_X
ClientSampleId :
400513791-VOA

Tot Ion:119 Resp: 3471
Ion Ratio Lower Upper
119 100
91 37.5 32.8 98.4
134 28.1 12.4 37.0

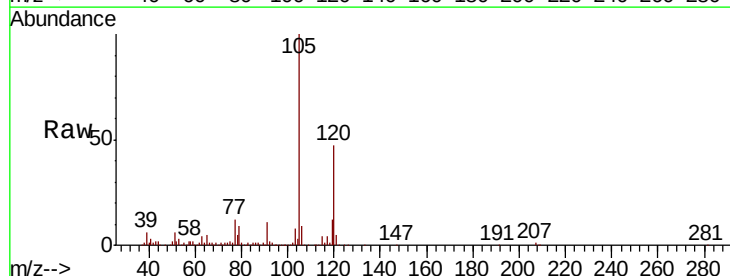


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V

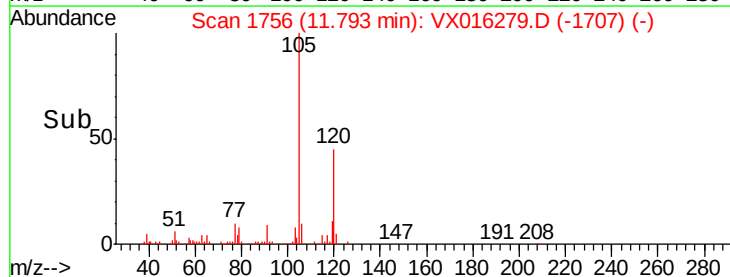
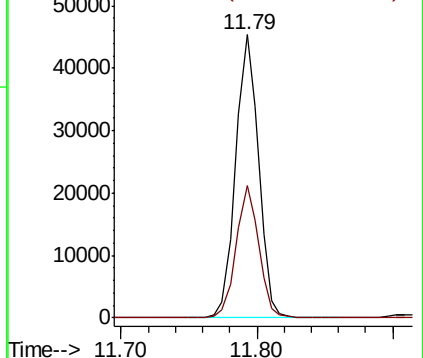


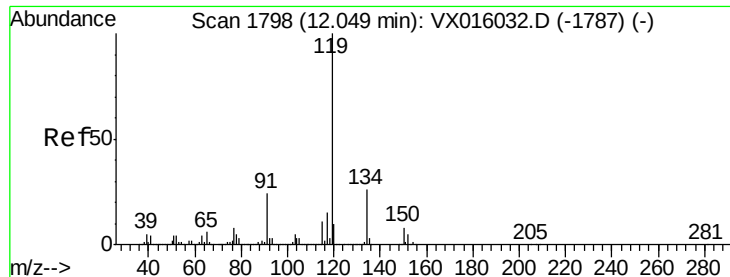
#84
1,2,4-Trimethylbenzene
Concen: 4.125 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016279.D
Acq: 15 May 2020 14:40

Tgt Ion:105 Resp: 53011
Ion Ratio Lower Upper
105 100
120 46.3 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

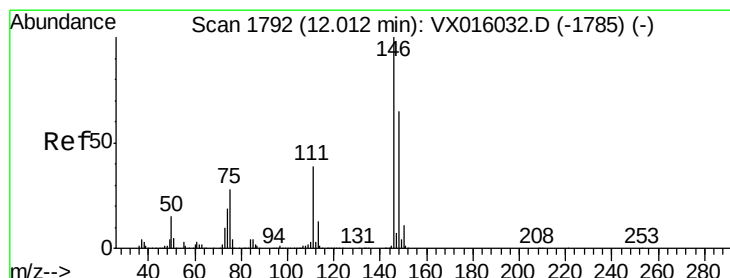
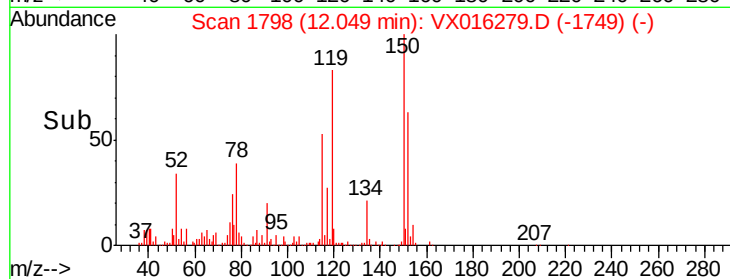
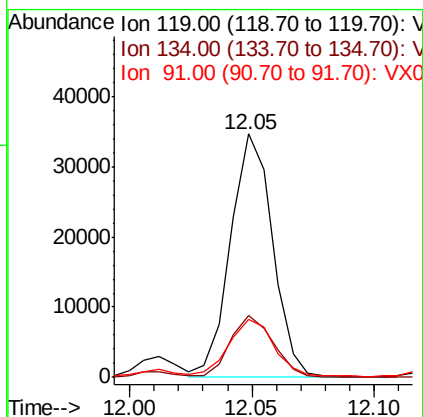
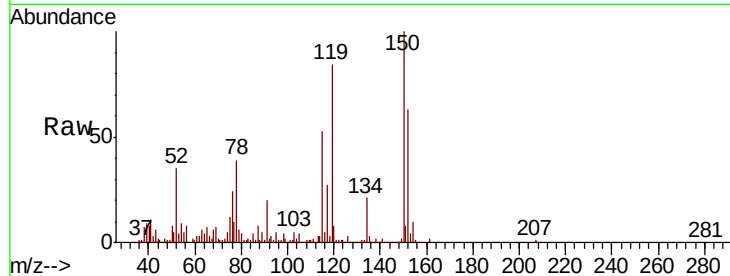




#86
 p-Isopropyltoluene
 Concen: 3.025 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

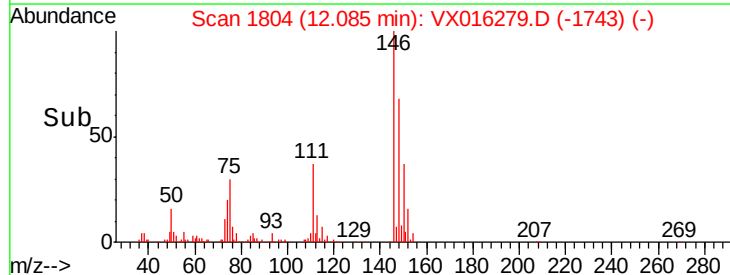
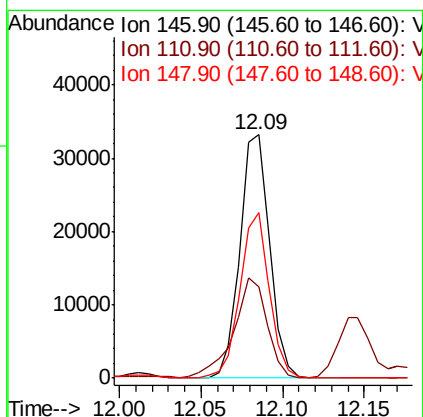
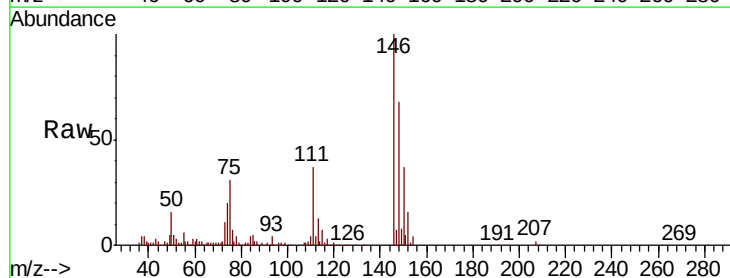
Instrument :
 MSVOA_X
 ClientSampleId :
 400513791-VOA

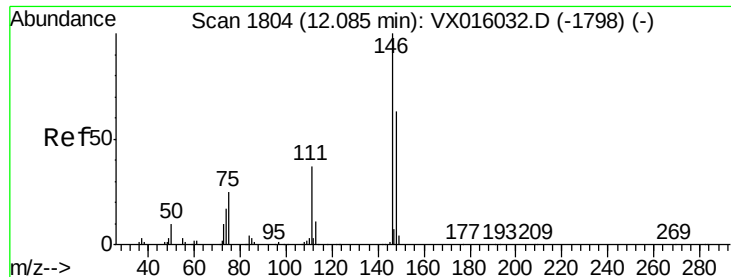
Tot Ion:119	Resp:	41539
Ion Ratio	Lower	Upper
119	100	
134	26.0	13.1 39.3
91	25.5	11.8 35.4



#87
 1,3-Dichlorobenzene
 Concen: 6.057 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.07 min
 Lab File: VX016279.D
 Acq: 15 May 2020 14:40

Tgt Ion:146	Resp:	42256
Ion Ratio	Lower	Upper
146	100	
111	45.5	20.2 60.6
148	67.0	32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 5.967 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

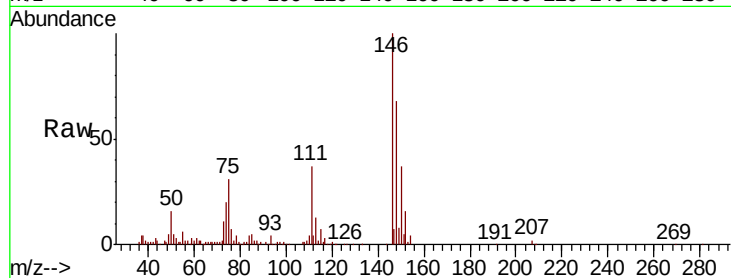
Tot Ion:146 Resp: 42256

Ion Ratio Lower Upper

146 100

111 45.5 19.6 58.7

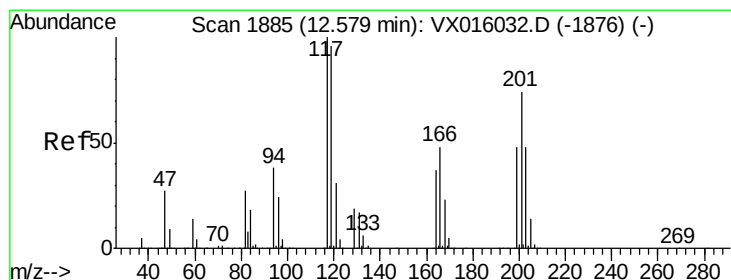
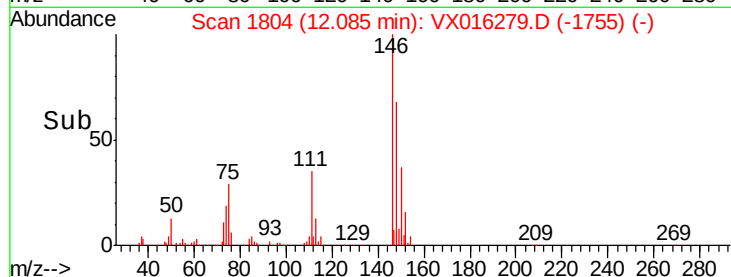
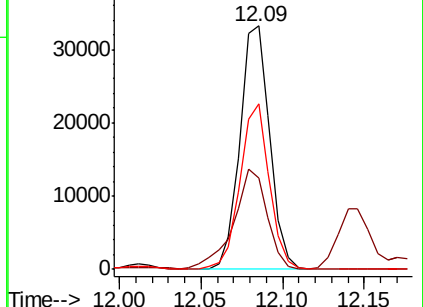
148 67.0 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 0.586 ug/l

RT: 12.46 min Scan# 1865

Delta R.T. -0.12 min

Lab File: VX016279.D

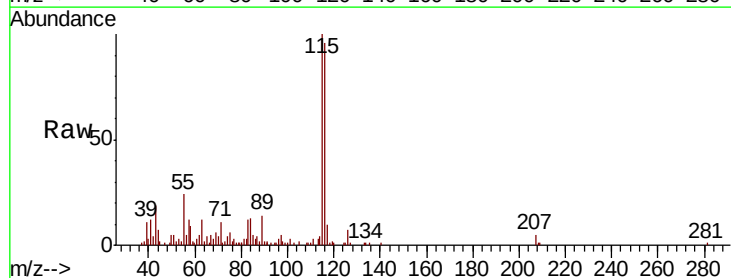
Acq: 15 May 2020 14:40

Tgt Ion:117 Resp: 1383

Ion Ratio Lower Upper

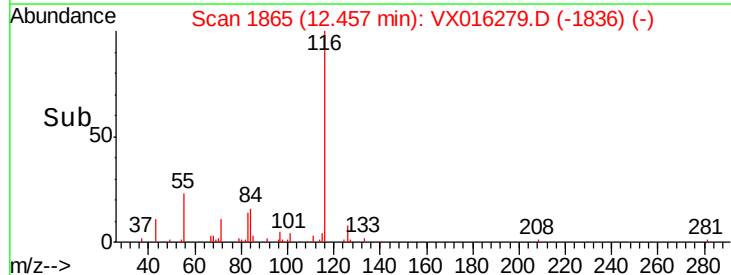
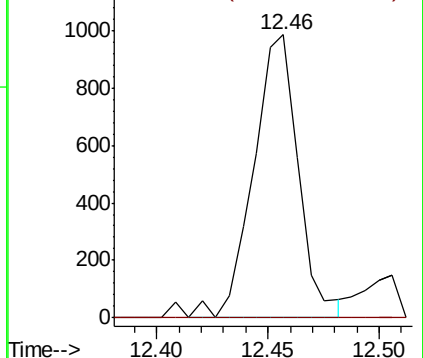
117 100

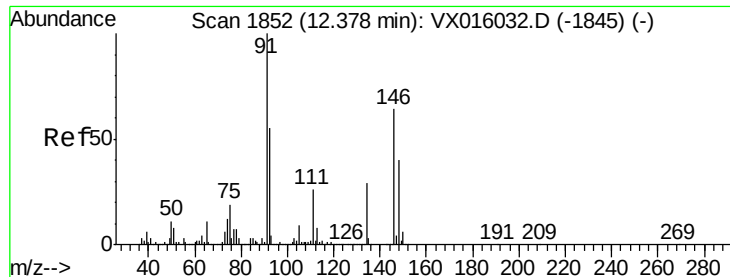
201 0.0 39.8 119.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 0.767 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

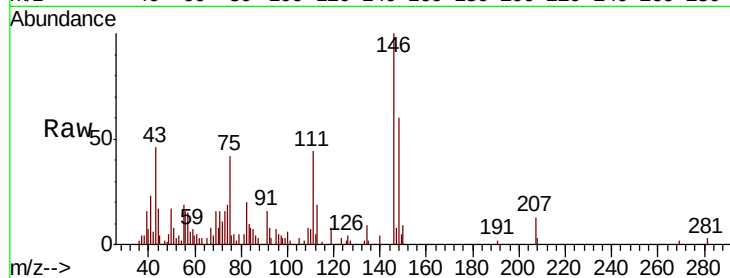
Tot Ion:146 Resp: 5151

Ion Ratio Lower Upper

146 100

111 49.6 21.1 63.1

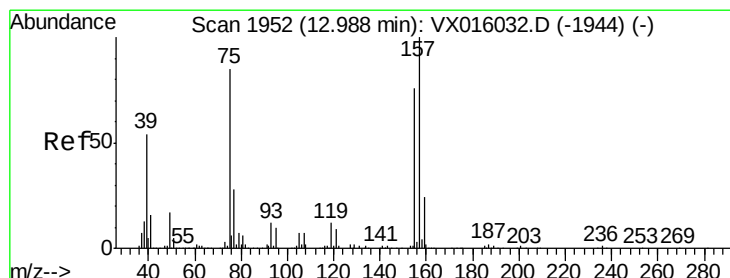
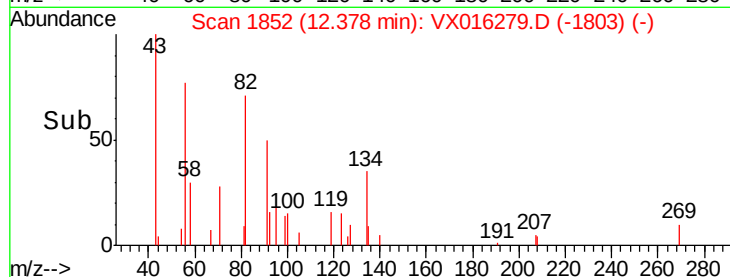
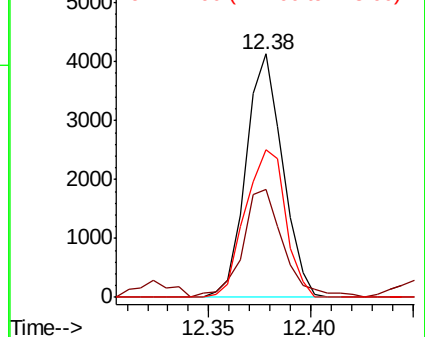
148 66.9 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.414 ug/l

RT: 13.00 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

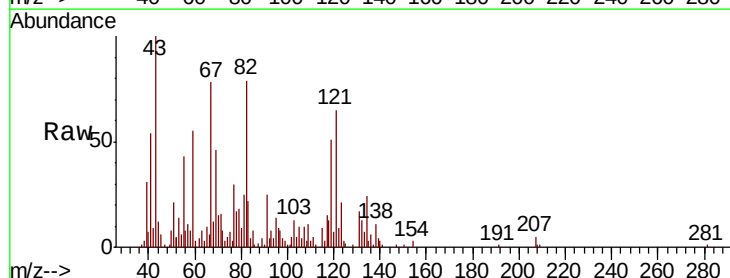
Tgt Ion: 75 Resp: 513

Ion Ratio Lower Upper

75 100

155 0.0 42.5 127.5#

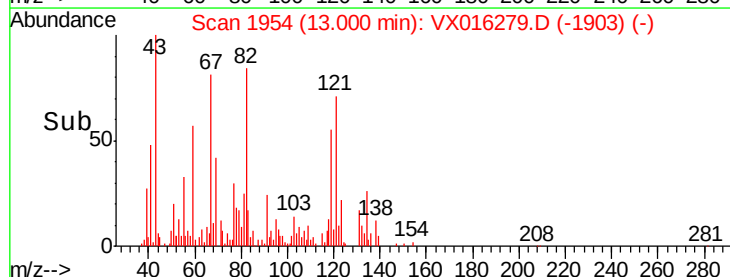
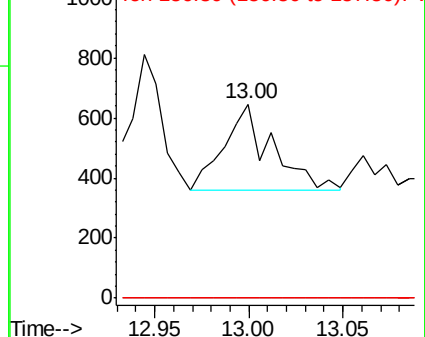
157 0.0 55.3 165.8#

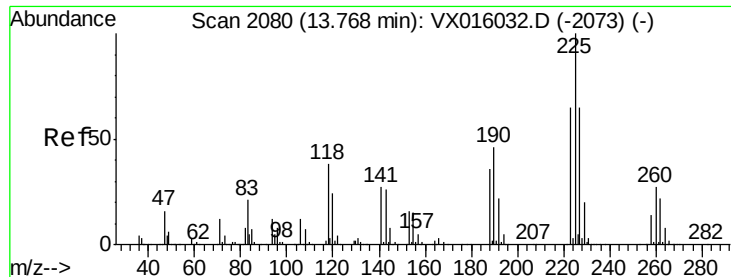


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#94

Hexachlorobutadiene

Concen: 0.534 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

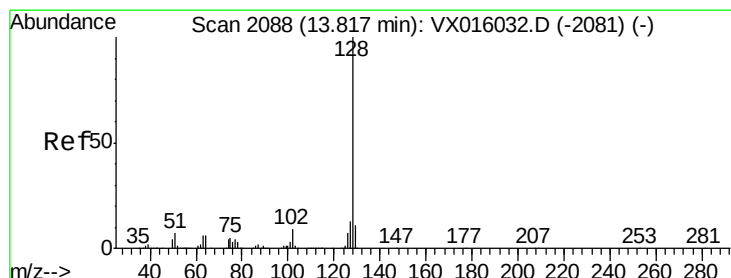
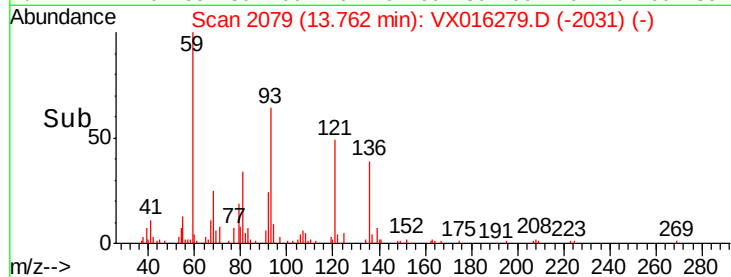
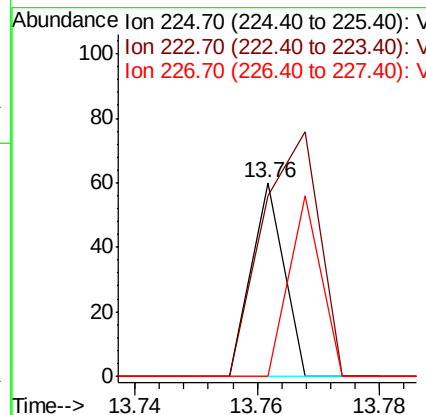
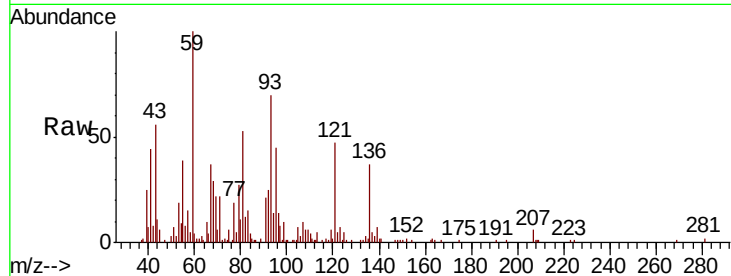
Instrument :

MSVOA_X

ClientSampleId :

400513791-VOA

Tot Ion:	225	Resp:	22
Ion	Ratio	Lower	Upper
225	100		
223	218.2	32.3	96.9#
227	90.9	31.8	95.4



#95

Naphthalene

Concen: 30.091 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016279.D

Acq: 15 May 2020 14:40

Tgt Ion:	128	Resp:	484611
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.7	13.1

