

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016289.D
 Acq On : 15 May 2020 18:28
 Operator : JC/SP
 Sample : L2644-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

Quant Time: May 16 06:46:30 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	226449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	375374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	370986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	179255	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	138992	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	5.47	113	111996	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	8.70	98	465331	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.12	95	170639	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	713	0.240	ug/l	91
11) Tert butyl alcohol	3.01	59	10864	14.418	ug/l	99
13) Acrolein	2.28	56	789	1.673	ug/l #	14
16) Acetone	2.42	43	238527	179.401	ug/l	99
18) Methyl Acetate	2.75	43	964	0.295	ug/l #	80
20) Methylene Chloride	2.84	84	898	0.328	ug/l #	68
21) trans-1,2-Dichloroethene	3.15	96	551	0.210	ug/l #	53
25) 2-Butanone	4.64	43	118201	55.170	ug/l	98
26) 2,2-Dichloropropane	4.66	77	4250	1.022	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	803	0.280	ug/l	35
28) Bromochloromethane	5.18	49	589	0.284	ug/l #	12
29) Tetrahydrofuran	5.09	42	695	0.490	ug/l #	65
30) Chloroform	5.18	83	7879	1.737	ug/l	94
36) 1,1-Dichloropropene	5.64	75	16502	4.466	ug/l #	49
37) Ethyl Acetate	4.64	43	118201	27.600	ug/l #	70
38) Carbon Tetrachloride	5.64	117	21568	5.743	ug/l #	14
43) Isopropyl Acetate	6.43	43	2053	0.300	ug/l #	59
44) Trichloroethene	7.20	130	1110	0.289	ug/l	85
49) 1,4-Dioxane	7.72	88	113	1.455	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	55397	13.248	ug/l	98
52) Toluene	8.77	92	4827	0.716	ug/l	99
56) Ethyl methacrylate	9.07	69	8137	1.880	ug/l #	66
59) 2-Hexanone	9.48	43	21877	6.662	ug/l	98
68) m/p-Xylenes	10.34	106	2894	0.557	ug/l	98
69) o-Xylene	10.68	106	1281	0.257	ug/l	85
74) N-amyl acetate	11.07	43	1782018	293.024	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	11.24	83	309	2.176	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	102208	25.127	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.07	75	2526115	1479.929	ug/l #	23
84) 1,2,4-Trimethylbenzene	11.79	105	24165	2.171	ug/l #	47
85) sec-Butylbenzene	12.01	105	16061	1.254	ug/l #	56
86) p-Isopropyltoluene	12.05	119	189245	15.913	ug/l	100
89) n-Butylbenzene	12.36	91	2457	0.226	ug/l	74
90) Hexachloroethane	12.57	117	985	0.482	ug/l #	10

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

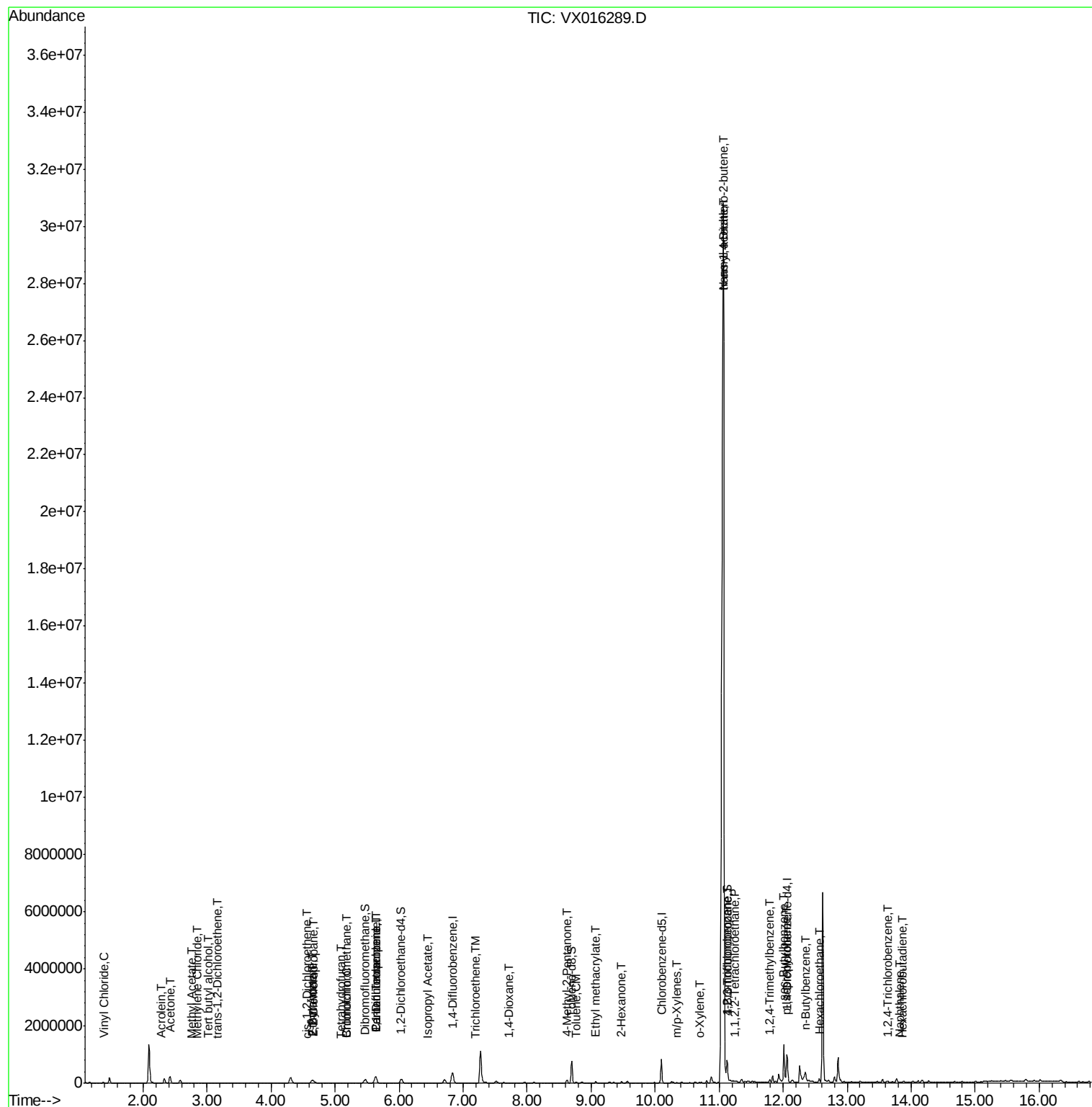
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1853	0.430	ug/l	96
94) Hexachlorobutadiene	13.85	225	44	0.547	ug/l #	18
95) Naphthalene	13.82	128	6004	0.430	ug/l #	88

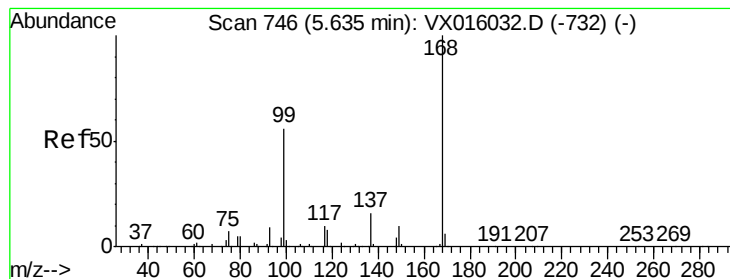
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

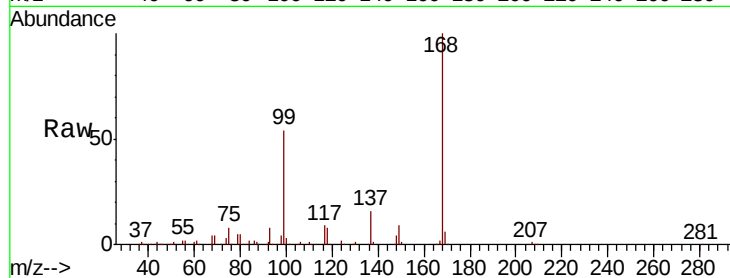
DRUM-COMP

Tot Ion:168 Resp: 226449

Ion Ratio Lower Upper

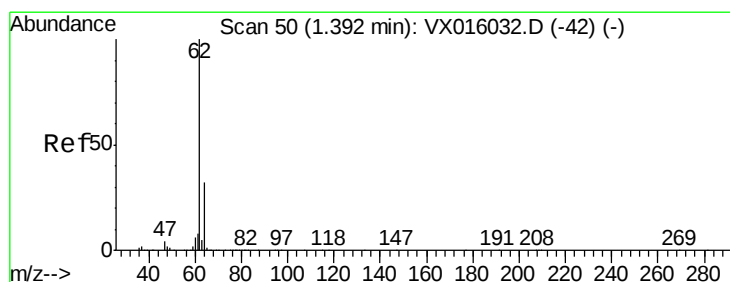
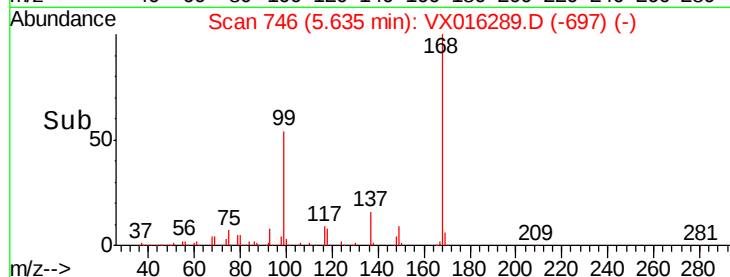
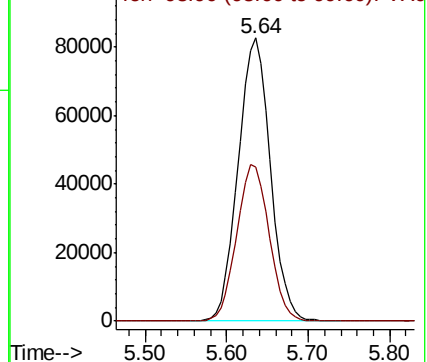
168 100

99 54.5 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: 0.240 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016289.D

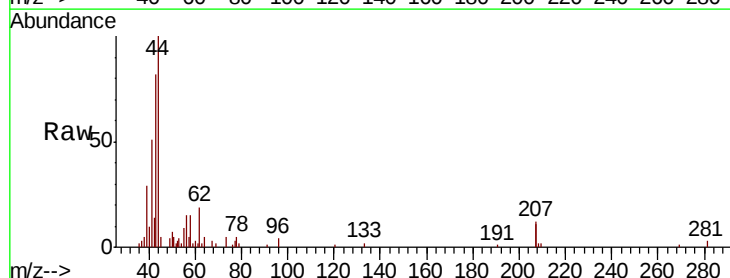
Acq: 15 May 2020 18:28

Tgt Ion: 62 Resp: 713

Ion Ratio Lower Upper

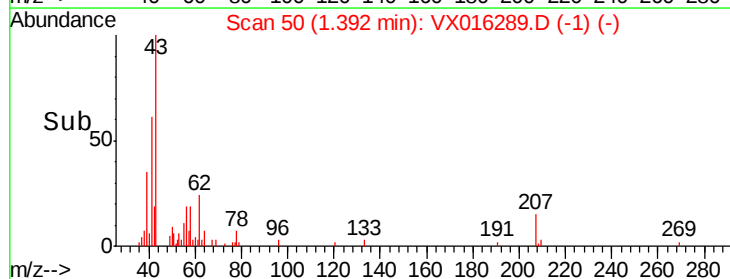
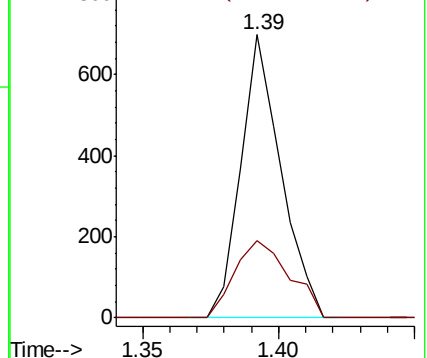
62 100

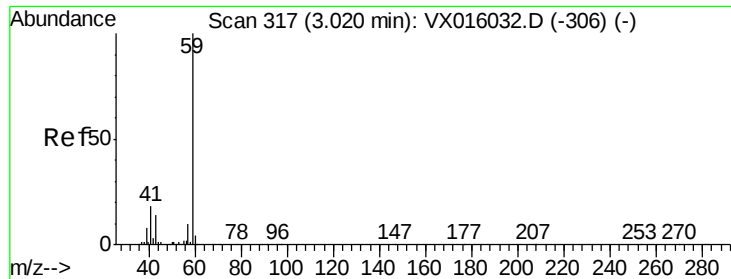
64 27.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



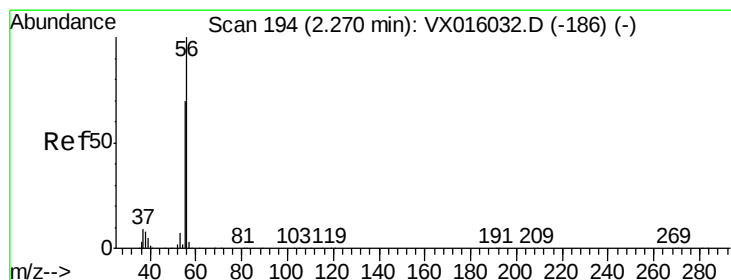
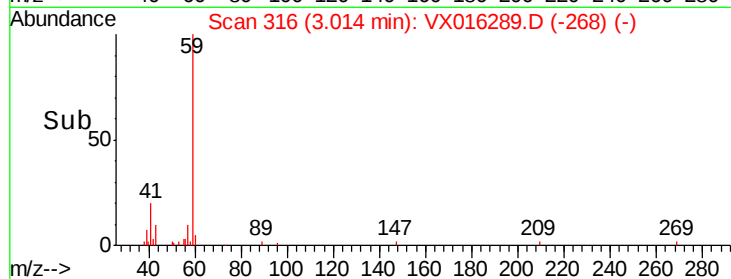
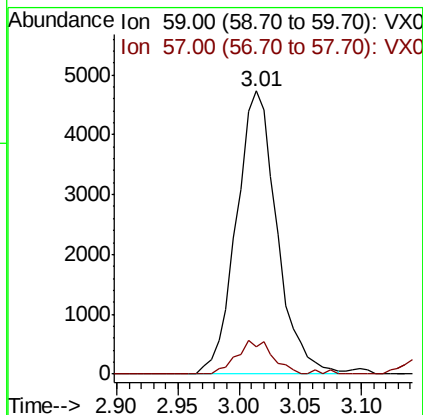
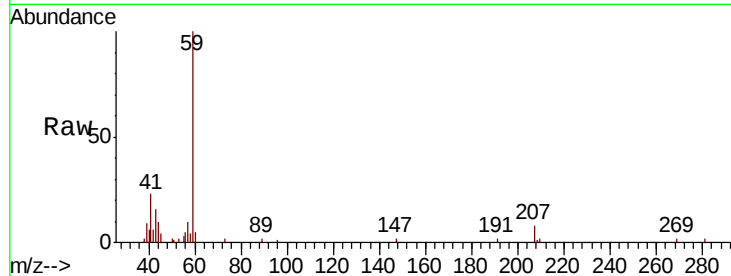


#11

Tert butyl alcohol
 Concen: 14.418 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX016289.D
 Acq: 15 May 2020 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

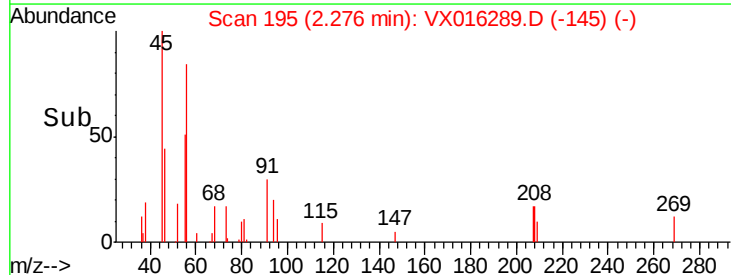
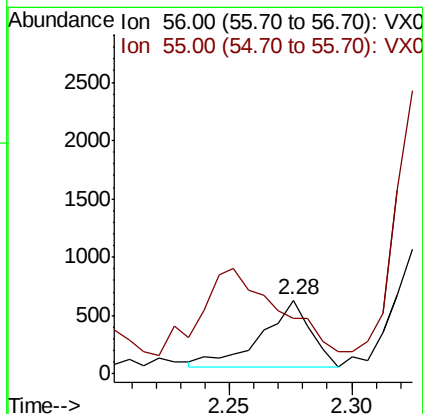
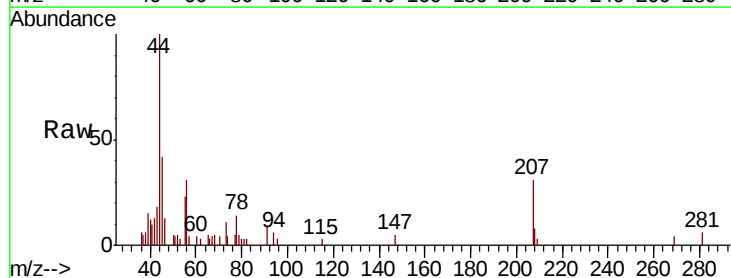
Tot Ion: 59 Resp: 10864
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

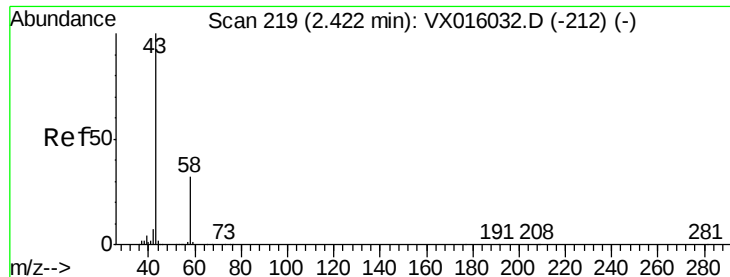


#13

Acrolein
 Concen: 1.673 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX016289.D
 Acq: 15 May 2020 18:28

Tgt Ion: 56 Resp: 789
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.5 84.7#





#16

Acetone

Concen: 179.401 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

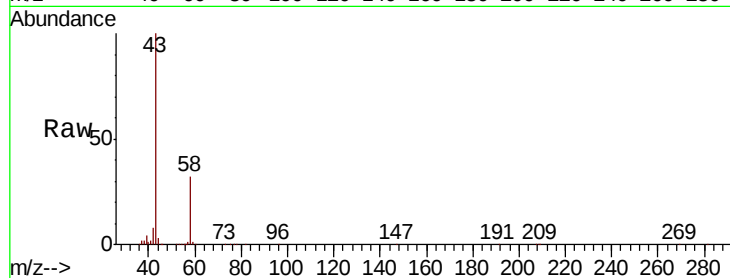
DRUM-COMP

Tot Ion: 43 Resp: 238527

Ion Ratio Lower Upper

43 100

58 32.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

150000

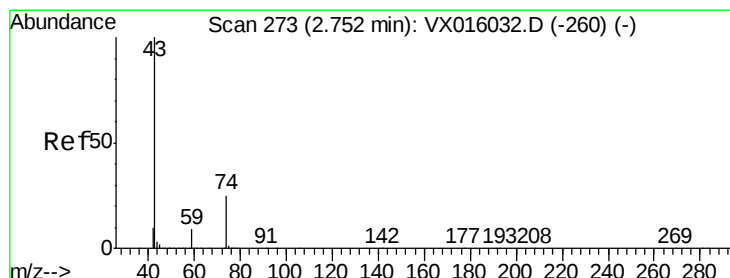
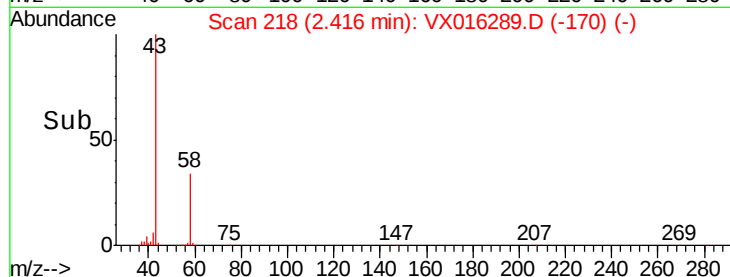
100000

50000

0

2.30 2.40 2.50

Time-->



#18

Methyl Acetate

Concen: 0.295 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016289.D

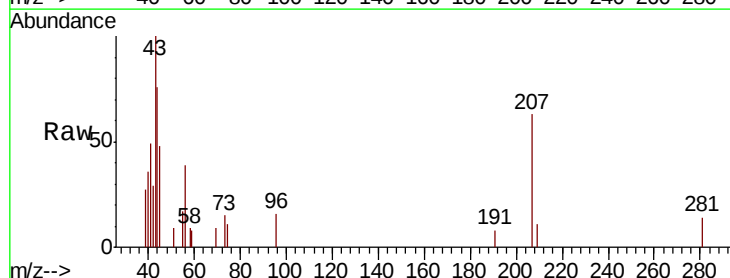
Acq: 15 May 2020 18:28

Tgt Ion: 43 Resp: 964

Ion Ratio Lower Upper

43 100

74 15.1 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

600

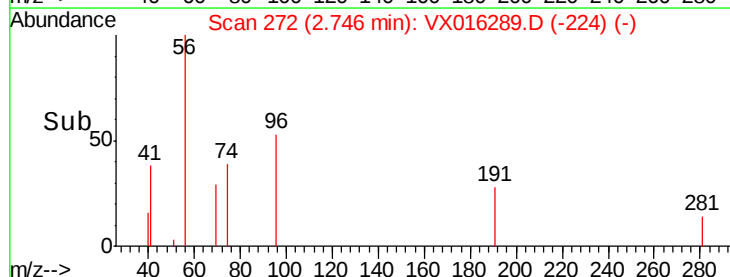
400

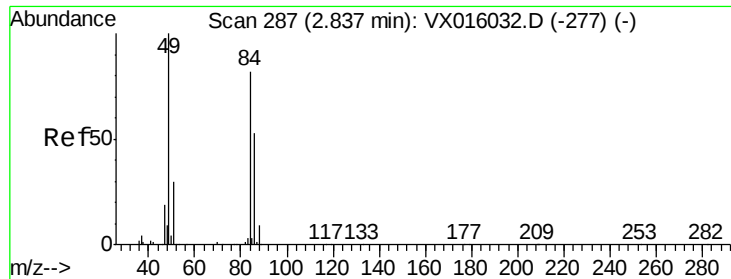
200

0

2.70 2.75 2.80

Time-->

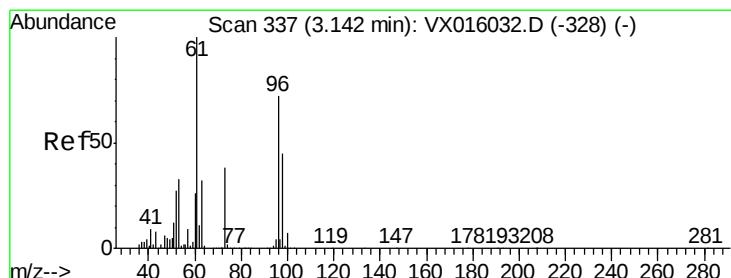
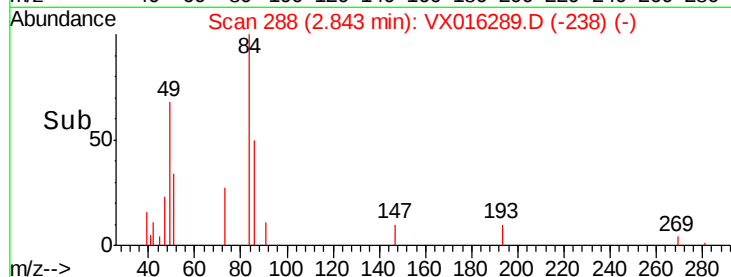
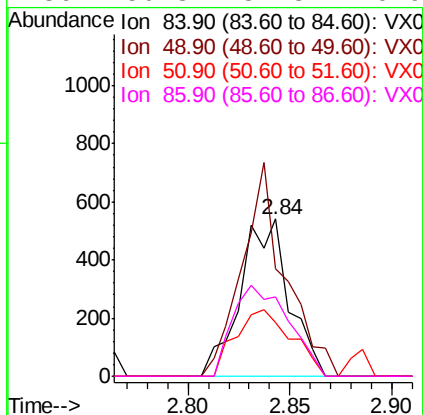
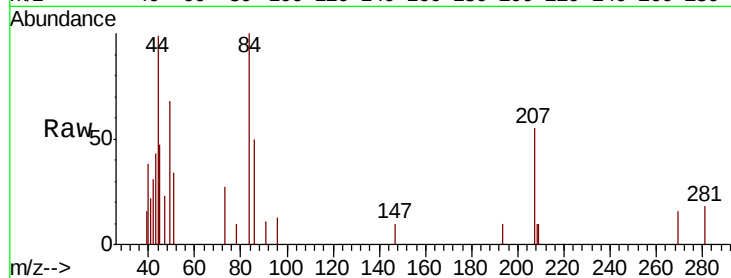




#20
Methvlene Chloride
Concen: 0.328 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

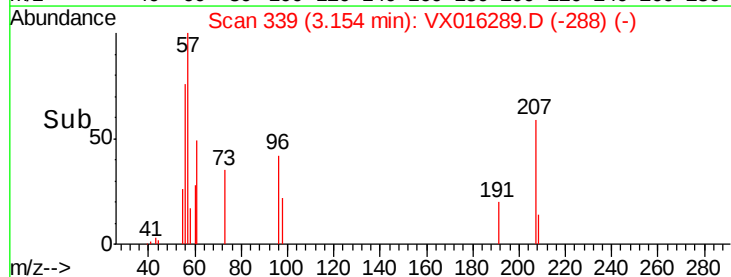
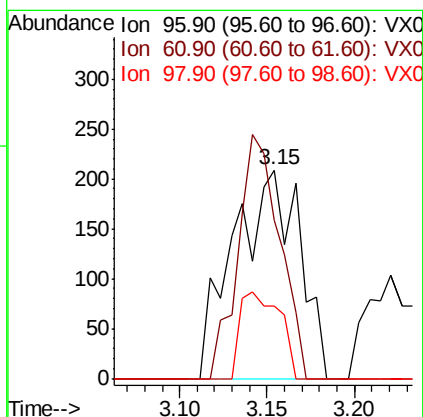
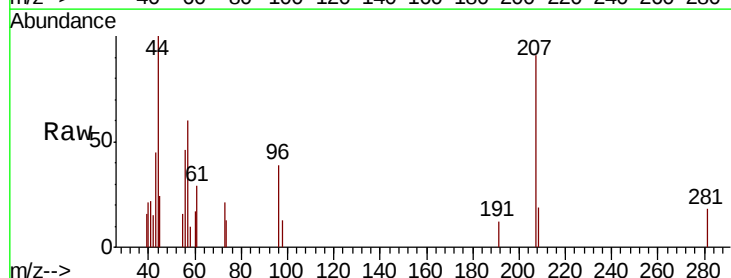
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DRUM-COMP

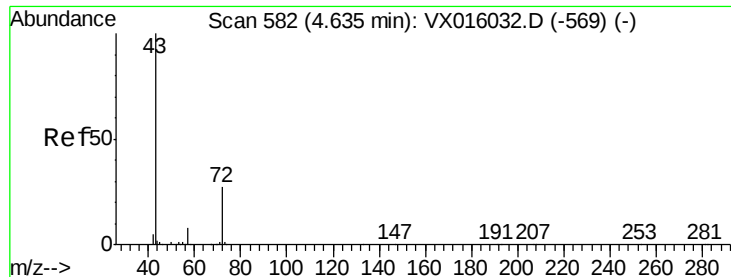
Tot Ion:	84	Resp:	898
Ion	Ratio	Lower	Upper
84	100		
49	68.2	97.3	145.9#
51	33.8	29.3	43.9
86	50.3	51.3	76.9#



#21
trans-1,2-Dichloroethene
Concen: 0.210 ug/l
RT: 3.15 min Scan# 339
Delta R.T. 0.01 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

Tgt Ion:	96	Resp:	551
Ion	Ratio	Lower	Upper
96	100		
61	76.1	111.2	166.8#
98	34.9	50.2	75.4#

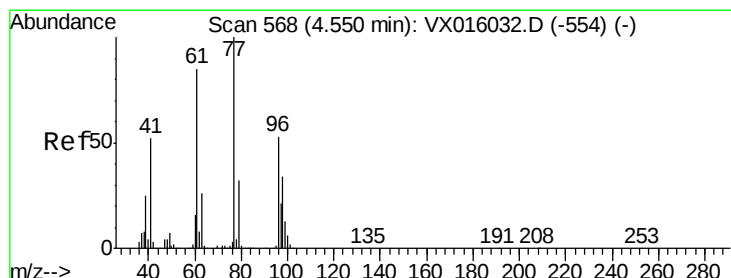
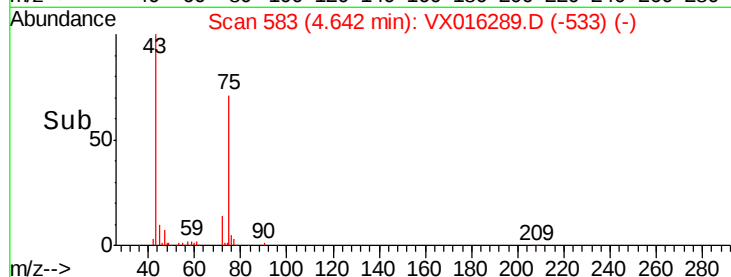
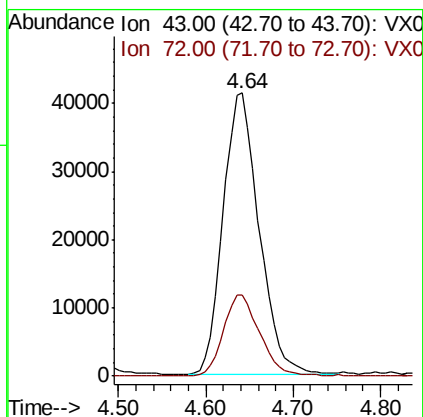
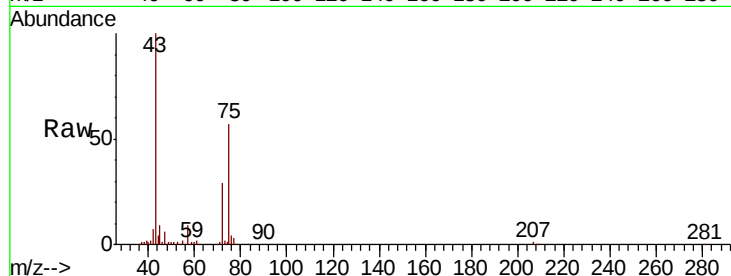




#25
2-Butanone
Concen: 55.170 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

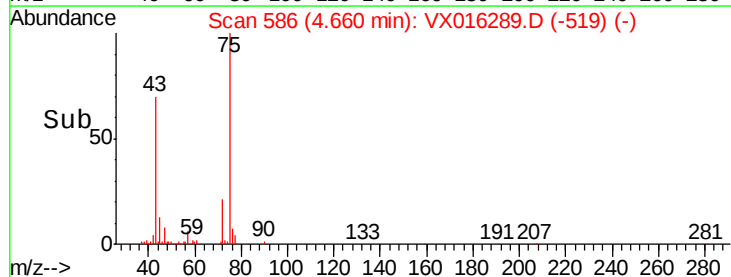
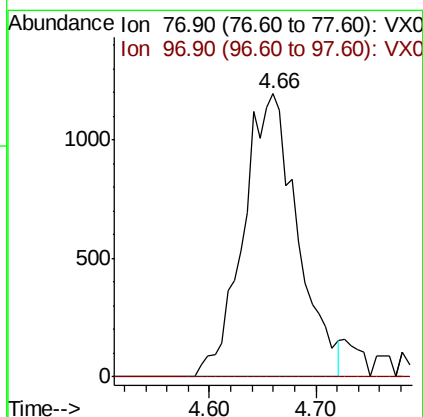
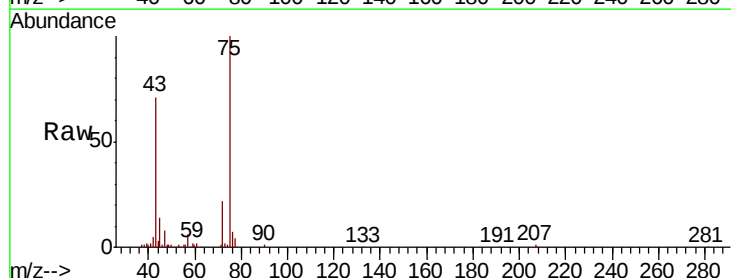
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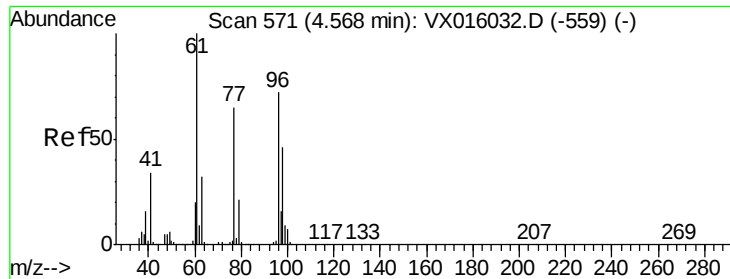
Tot Ion: 43 Resp: 118201
Ion Ratio Lower Upper
43 100
72 28.4 21.8 32.8



#26
2,2-Dichloropropane
Concen: 1.022 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.11 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

Tgt Ion: 77 Resp: 4250
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#





#27

cis-1,2-Dichloroethene

Concen: 0.280 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

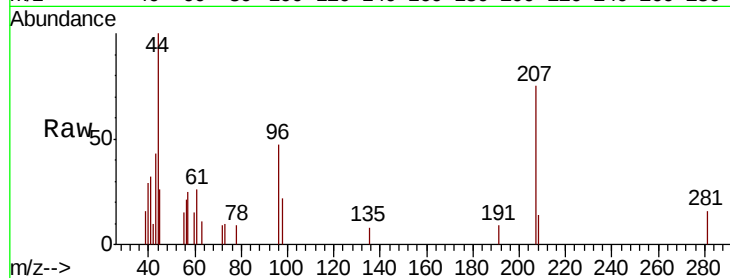
Tot Ion: 96 Resp: 803

Ion Ratio Lower Upper

96 100

61 53.7 0.0 296.2

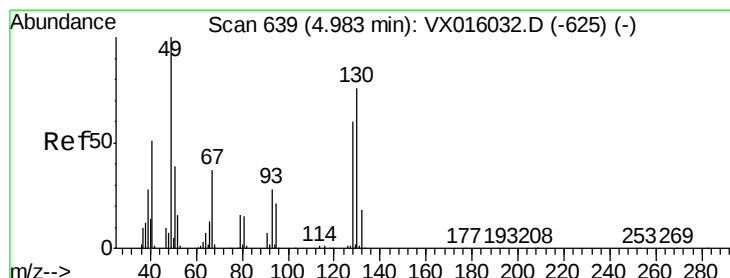
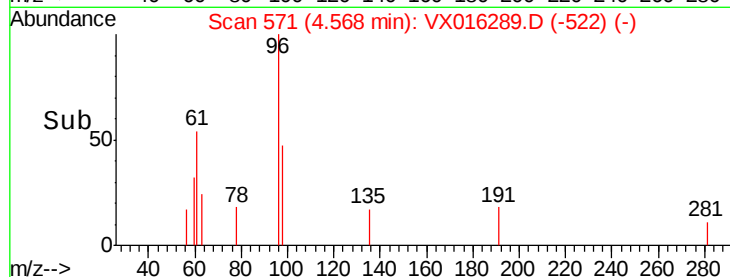
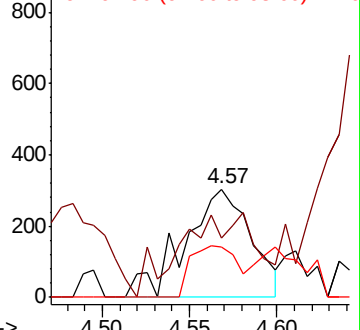
98 32.8 0.0 129.4



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: 0.284 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.20 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

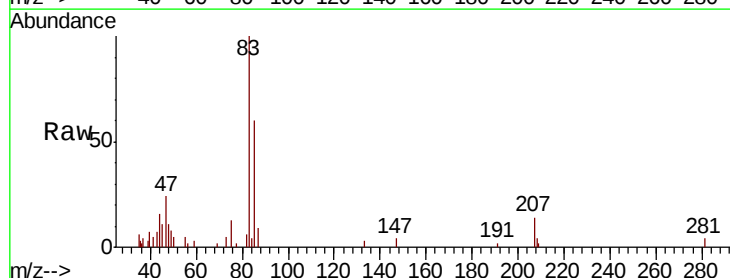
Tgt Ion: 49 Resp: 589

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

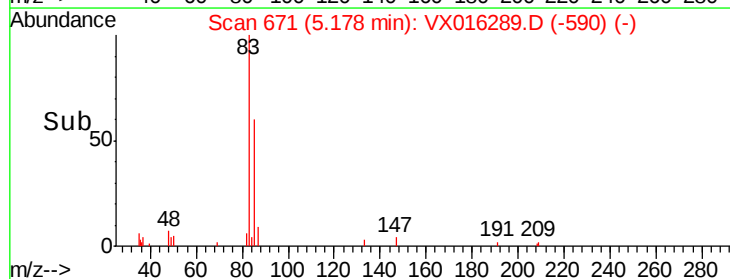
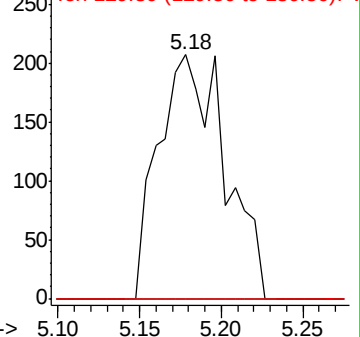
130 0.0 62.4 93.6#

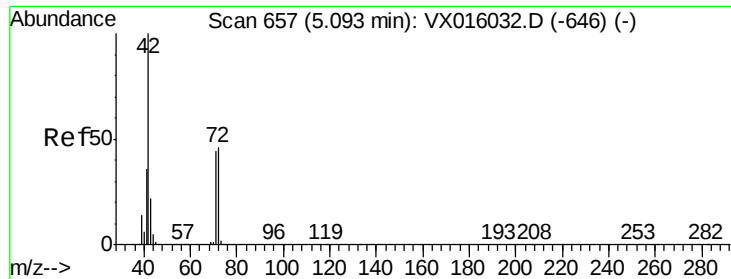


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.490 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

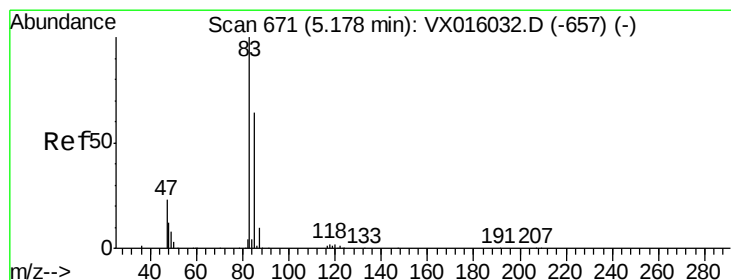
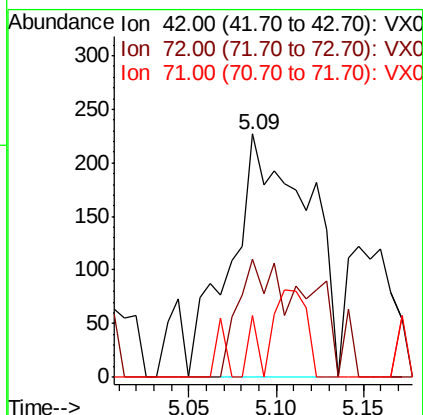
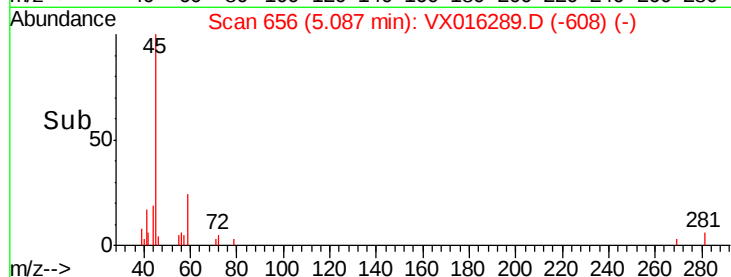
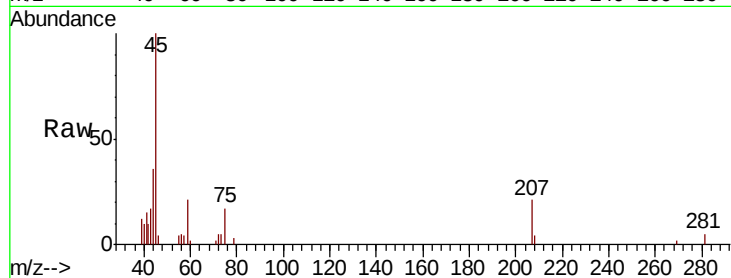
Tot Ion: 42 Resp: 695

Ion Ratio Lower Upper

42 100

72 25.5 37.1 55.7#

71 18.0 34.5 51.7#



#30

Chloroform

Concen: 1.737 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX016289.D

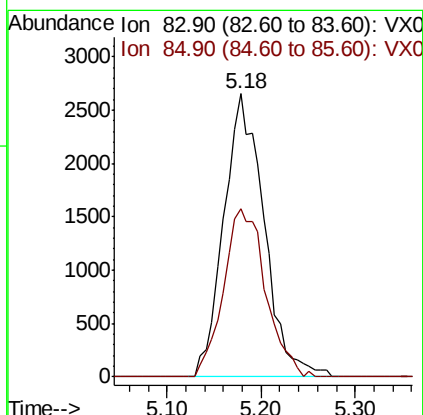
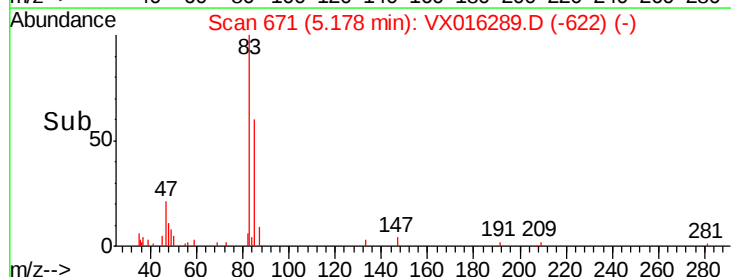
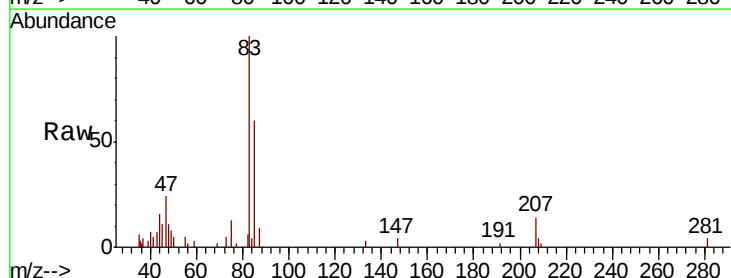
Acq: 15 May 2020 18:28

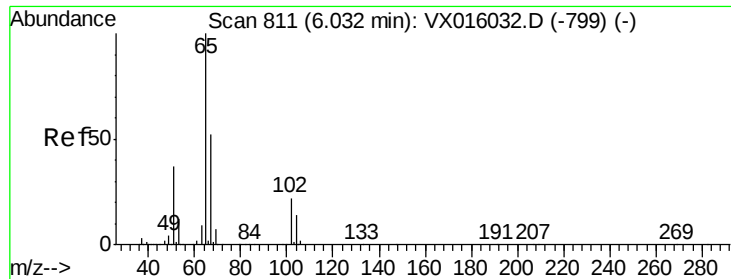
Tgt Ion: 83 Resp: 7879

Ion Ratio Lower Upper

83 100

85 59.6 51.6 77.4





#33

1,2-Dichloroethane-d4

Concen: 46.644 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

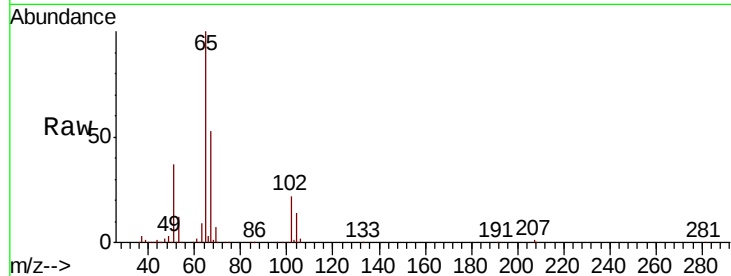
DRUM-COMP

Tot Ion: 65 Resp: 138992

Ion Ratio Lower Upper

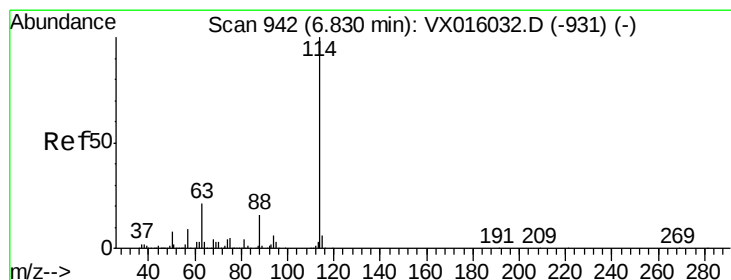
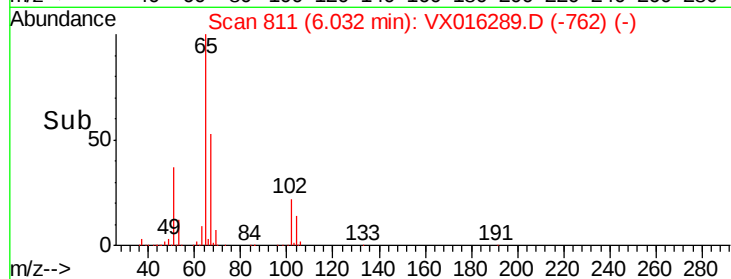
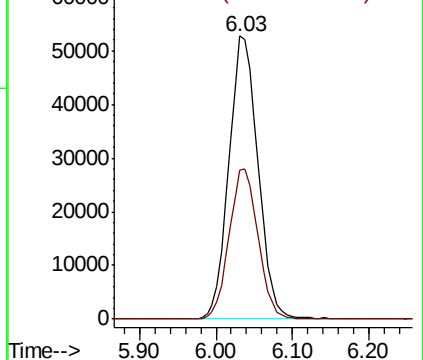
65 100

67 52.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

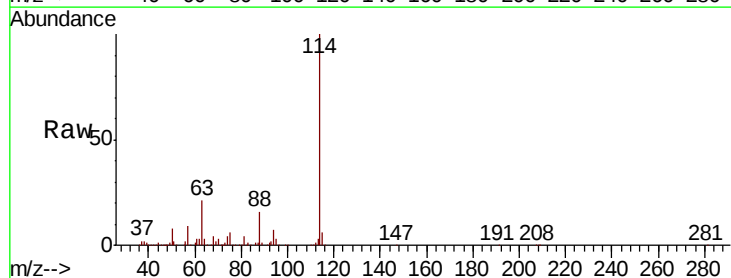
Tgt Ion: 114 Resp: 375374

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

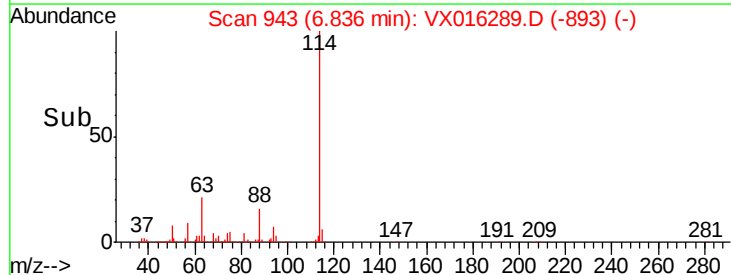
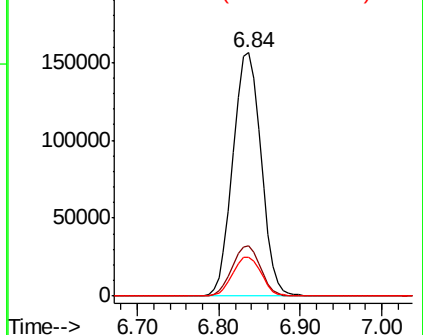
88 16.2 0.0 31.4

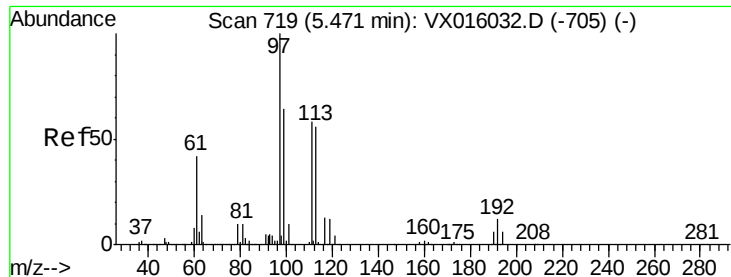


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

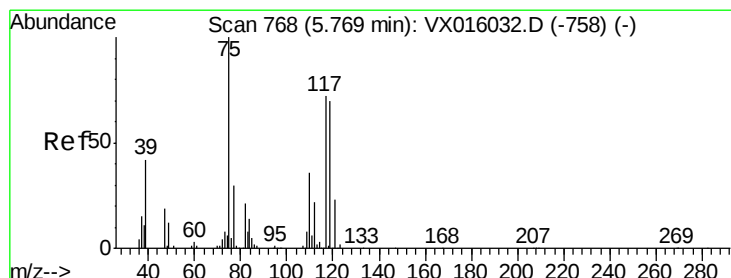
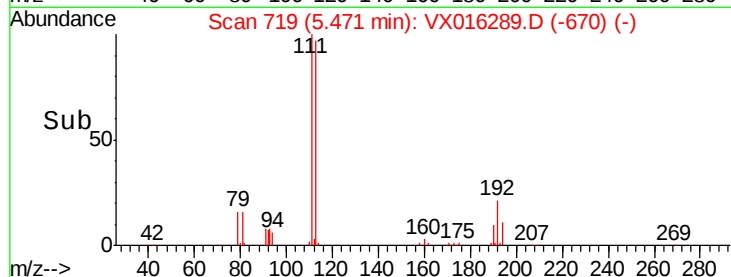
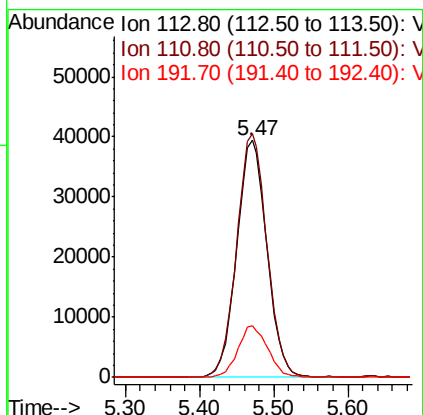
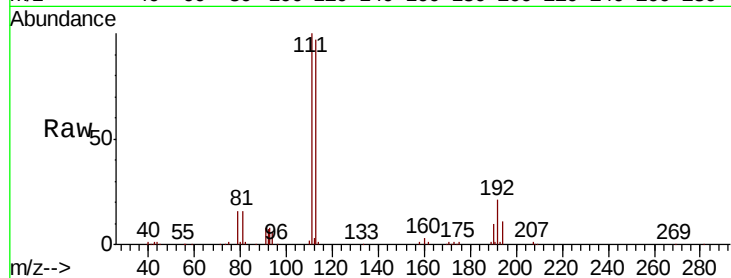




#35
 Dibromofluoromethane
 Concen: 47.094 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX016289.D
 Acq: 15 May 2020 18:28

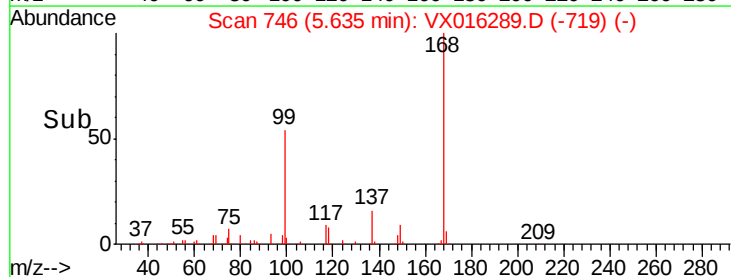
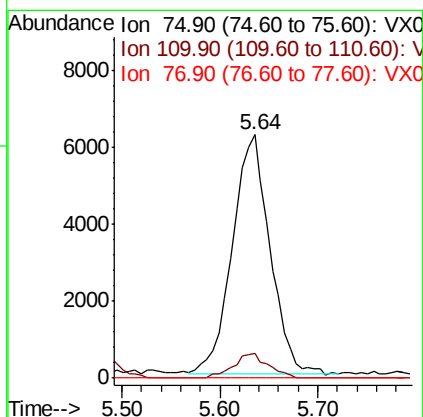
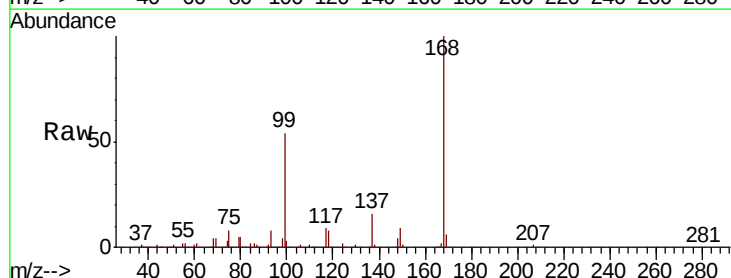
Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

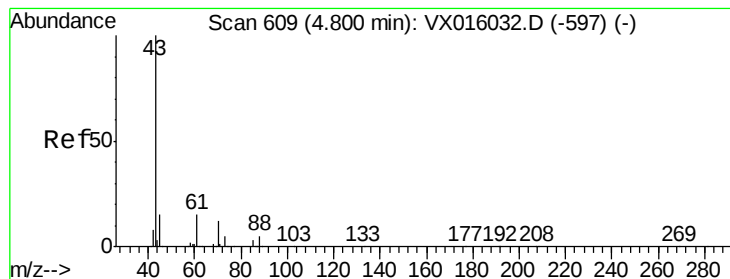
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.6	122.4
192	21.5	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.466 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016289.D
 Acq: 15 May 2020 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.0	25.0	37.6#





#37

Ethyl Acetate

Concen: 27.600 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.16 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

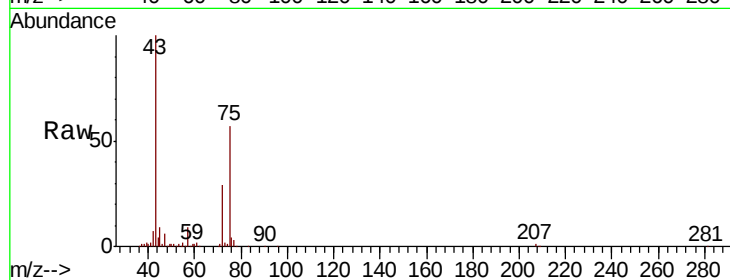
Tot Ion: 43 Resp: 118201

Ion Ratio Lower Upper

43 100

61 1.9 11.7 17.5#

70 0.2 9.3 13.9#

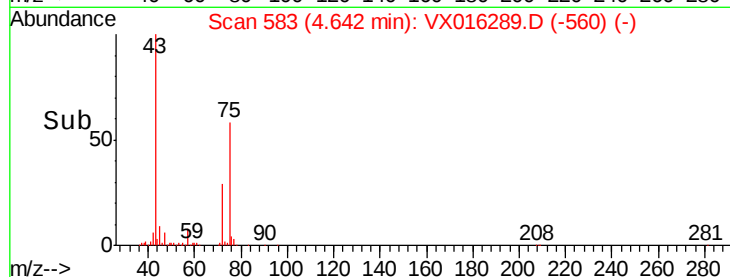


Abundance Ion 43.00 (42.70 to 43.70): VX016032.D (-597) (-)

Ion 60.90 (60.60 to 61.60): VX016032.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX016032.D (-597) (-)

Time-->

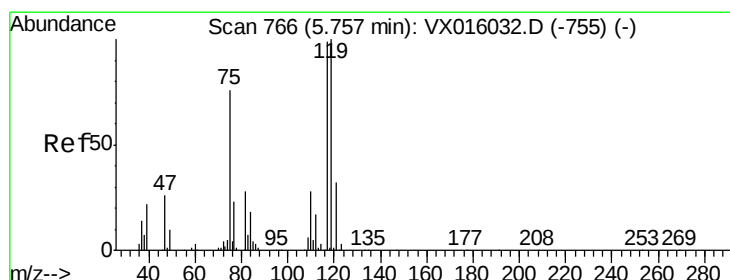


Abundance Ion 43.00 (42.70 to 43.70): VX016289.D (-560) (-)

Ion 60.90 (60.60 to 61.60): VX016289.D (-560) (-)

Ion 70.00 (69.70 to 70.70): VX016289.D (-560) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.743 ug/l

RT: 5.64 min Scan# 747

Delta R.T. -0.12 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

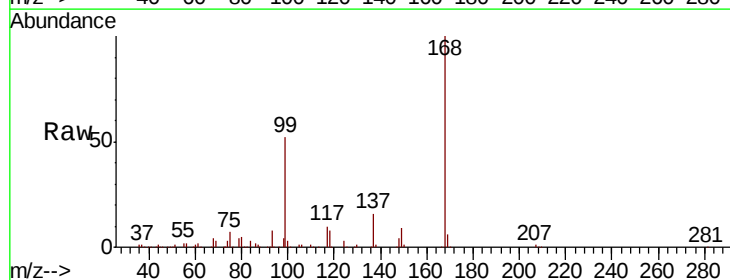
Tgt Ion: 117 Resp: 21568

Ion Ratio Lower Upper

117 100

119 4.7 80.3 120.5#

121 0.0 25.7 38.5#

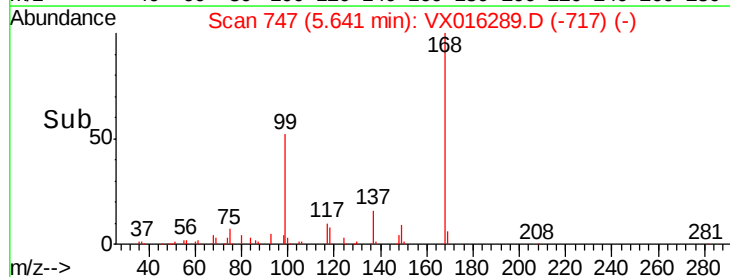


Abundance Ion 116.80 (116.50 to 117.50): VX016032.D (-755) (-)

Ion 118.80 (118.50 to 119.50): VX016032.D (-755) (-)

Ion 120.80 (120.50 to 121.50): VX016032.D (-755) (-)

Time-->

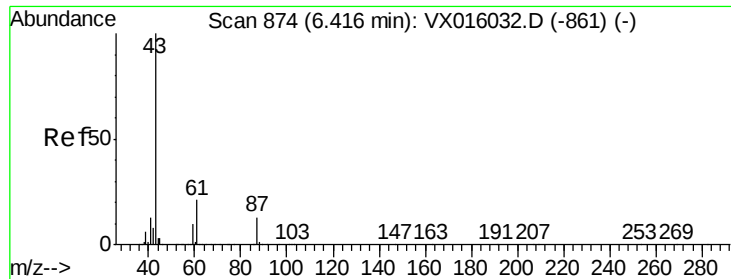


Abundance Ion 116.80 (116.50 to 117.50): VX016289.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016289.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016289.D (-717) (-)

Time-->

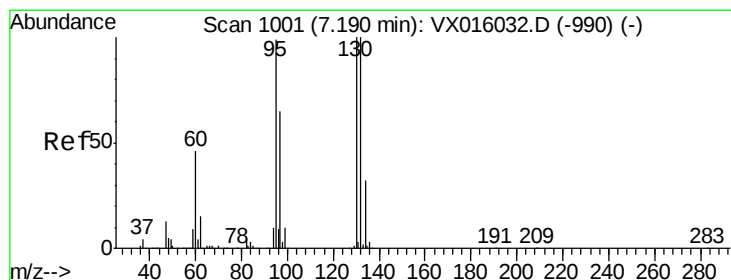
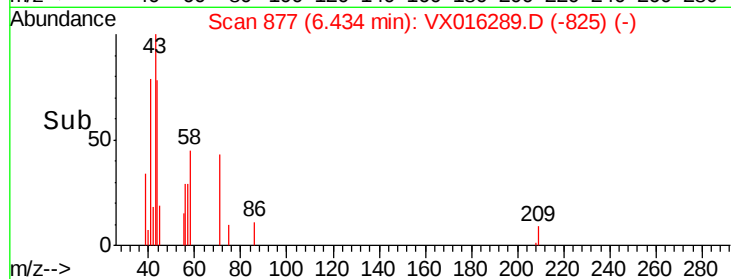
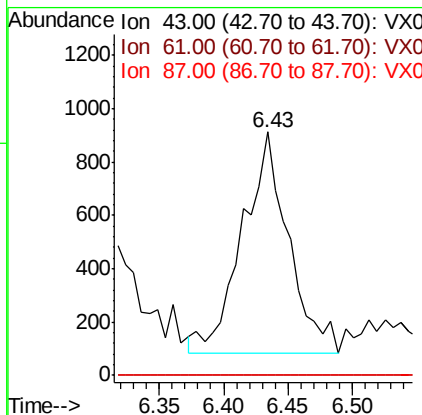
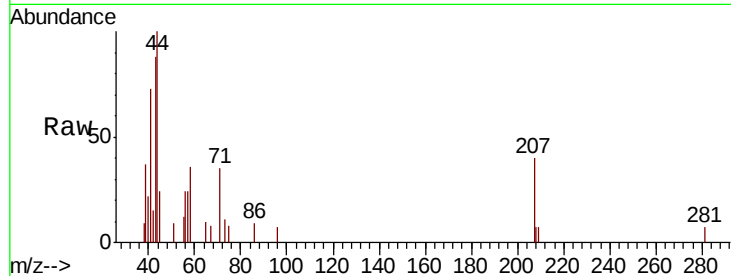


#43

Isopropyl Acetate
 Concen: 0.300 ug/l
 RT: 6.43 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VX016289.D
 Acq: 15 May 2020 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

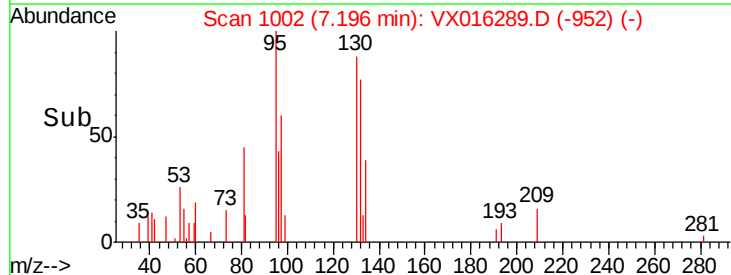
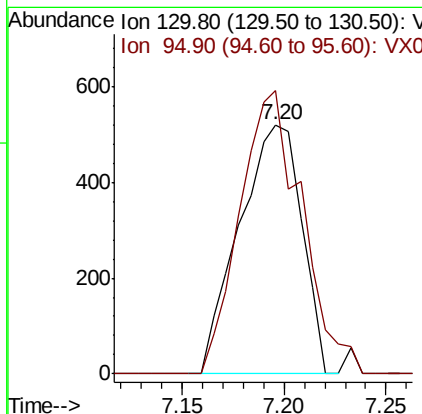
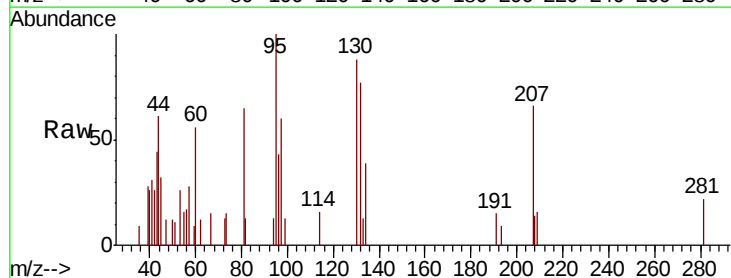
Tot Ion	43	Resp	2053
Ion Ratio	Lower	Upper	
43	100		
61	0.0	17.0	25.4#
87	0.0	11.0	16.6#

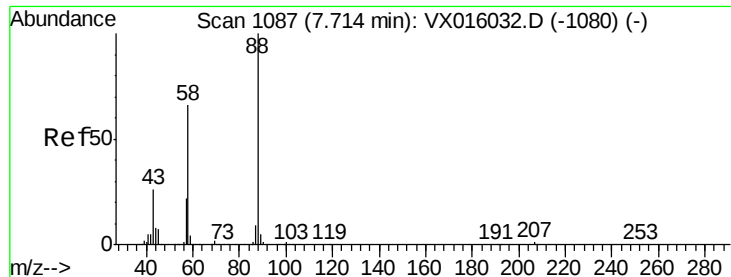


#44

Trichloroethene
 Concen: 0.289 ug/l
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX016289.D
 Acq: 15 May 2020 18:28

Tgt Ion	130	Resp	1110
Ion Ratio	Lower	Upper	
130	100		
95	113.8	0.0	197.4

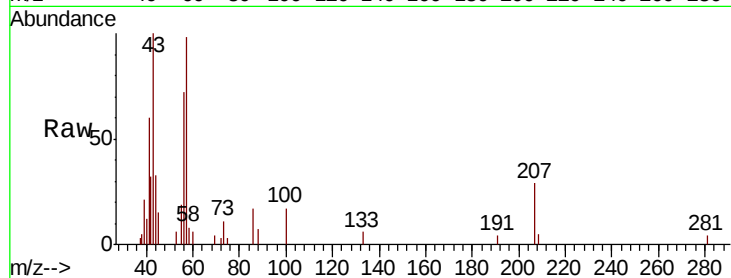




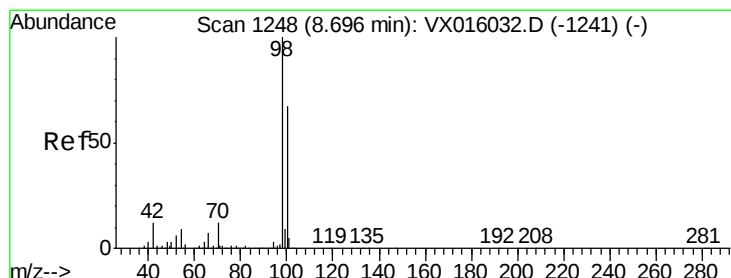
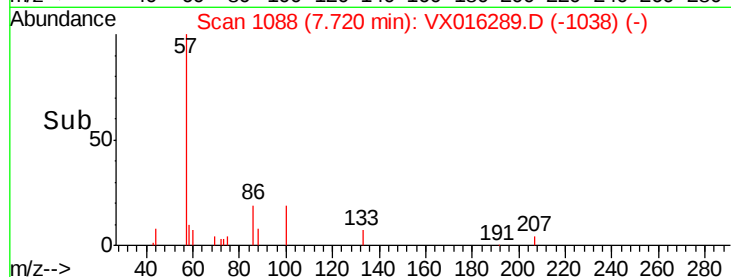
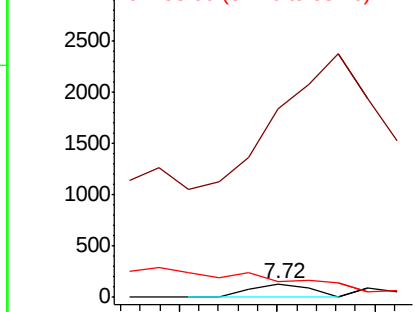
#49
1,4-Dioxane
Concen: 1.455 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP

Tot Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 55.9 83.9#

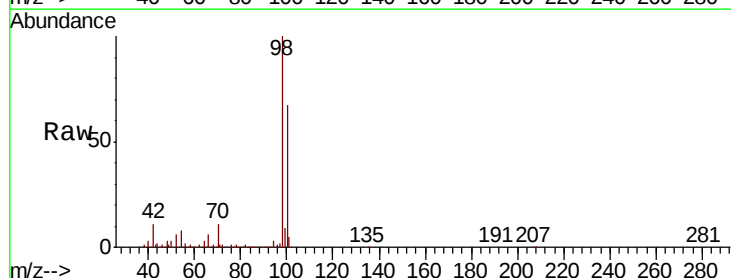


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

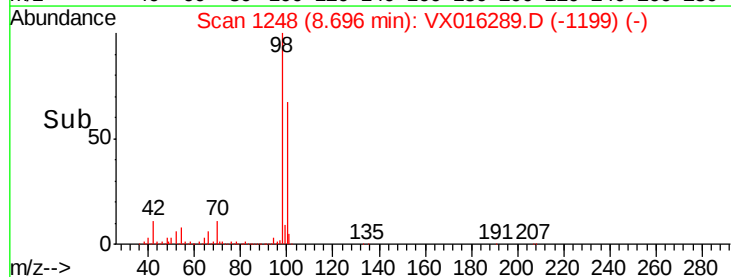
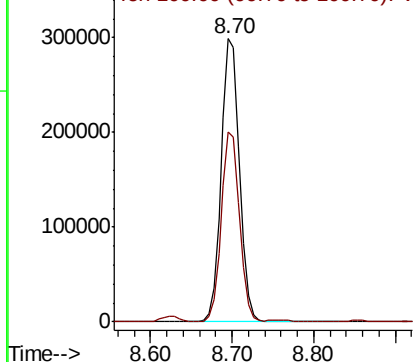


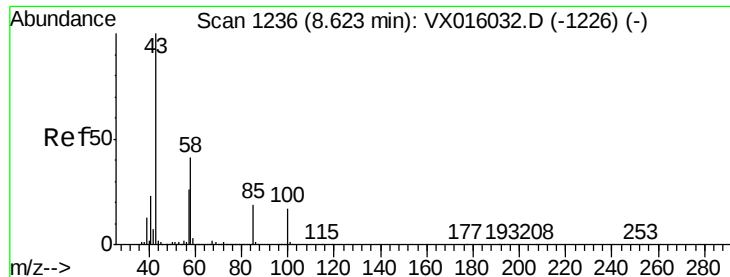
#50
Toluene-d8
Concen: 50.783 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

Tgt Ion: 98 Resp: 465331
Ion Ratio Lower Upper
98 100
100 66.6 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

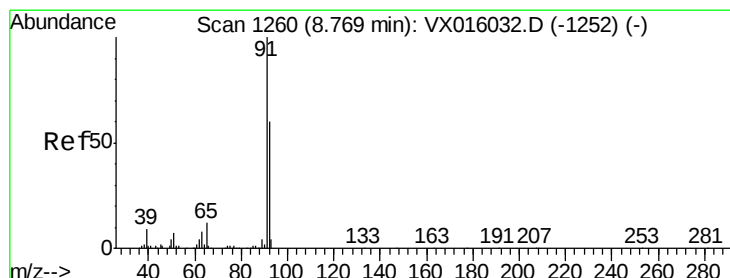
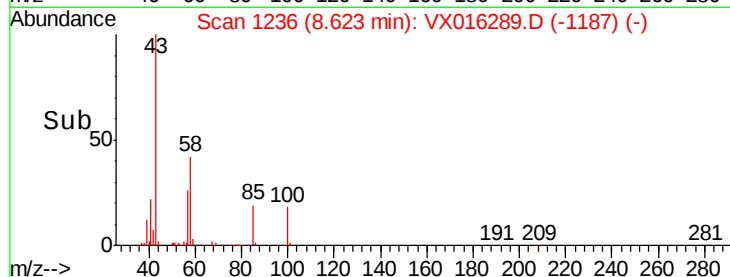
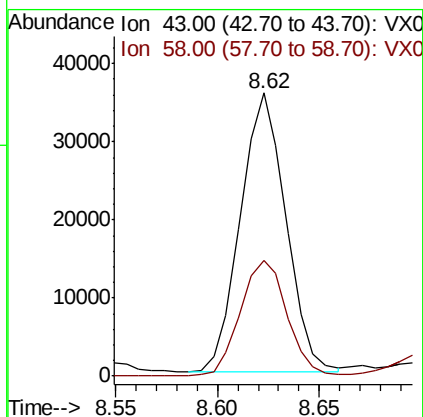
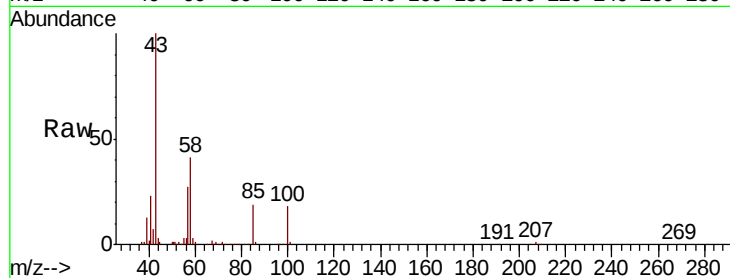




#51
4-Methyl-2-Pentanone
Concen: 13.248 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

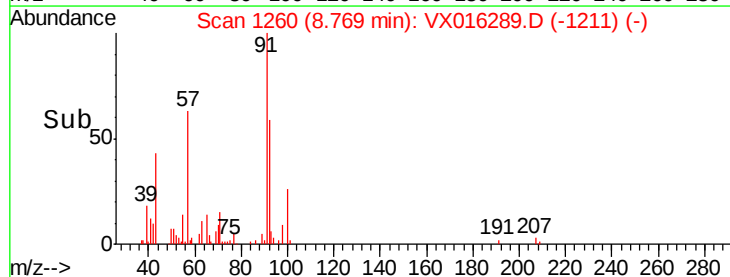
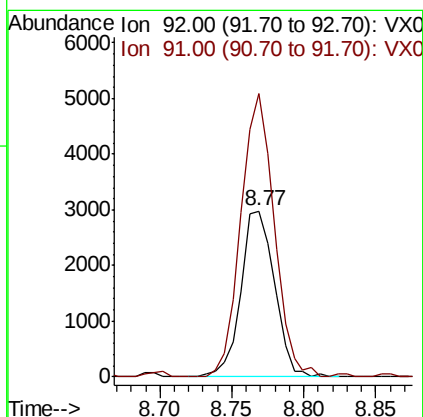
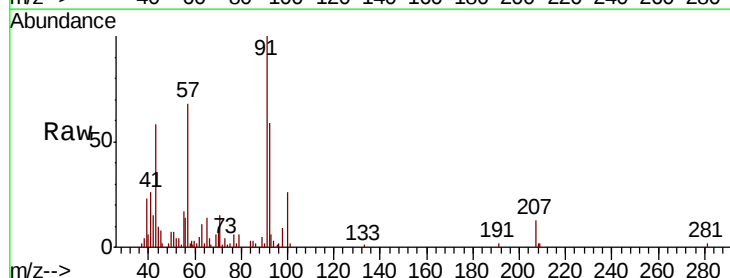
Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP

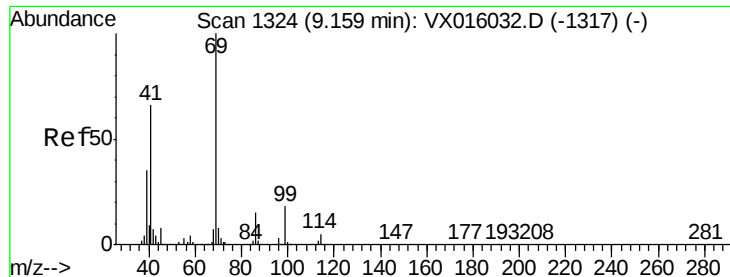
Tot Ion: 43 Resp: 55397
Ion Ratio Lower Upper
43 100
58 42.4 33.0 49.4



#52
Toluene
Concen: 0.716 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

Tgt Ion: 92 Resp: 4827
Ion Ratio Lower Upper
92 100
91 169.0 134.5 201.7





#56

Ethyl methacrylate

Concen: 1.880 ug/l

RT: 9.07 min Scan# 1310

Delta R.T. -0.09 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

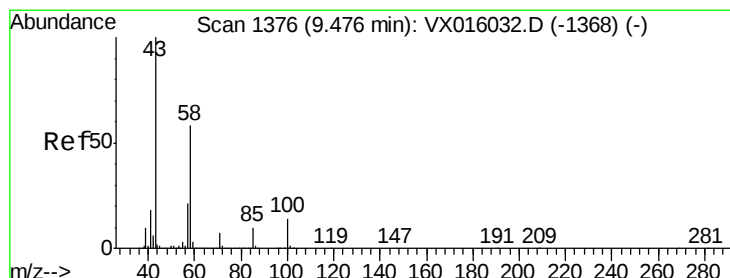
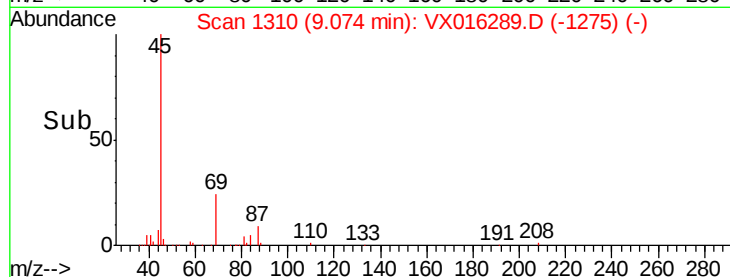
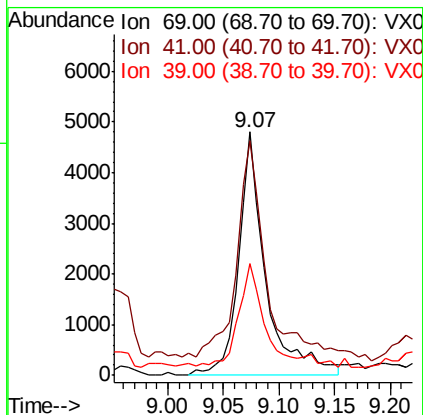
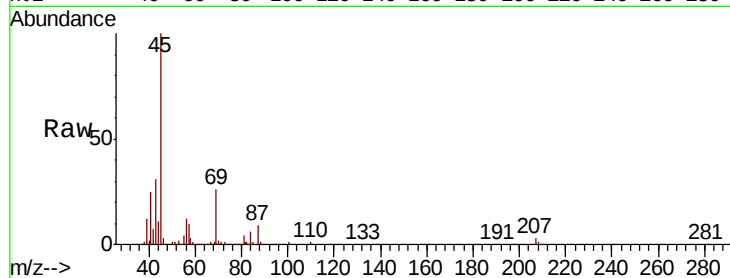
Tot Ion: 69 Resp: 8137

Ion Ratio Lower Upper

69 100

41 104.8 52.2 78.4#

39 38.1 28.2 42.4



#59

2-Hexanone

Concen: 6.662 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX016289.D

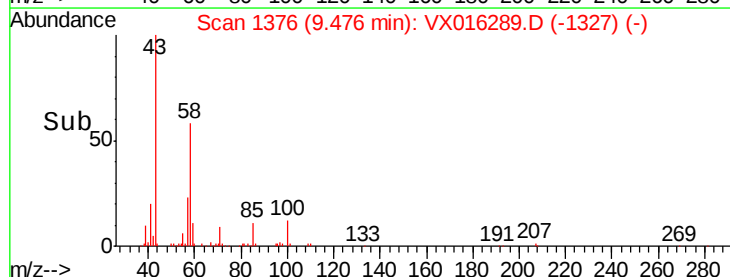
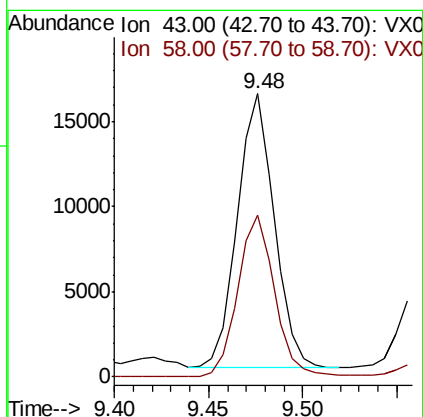
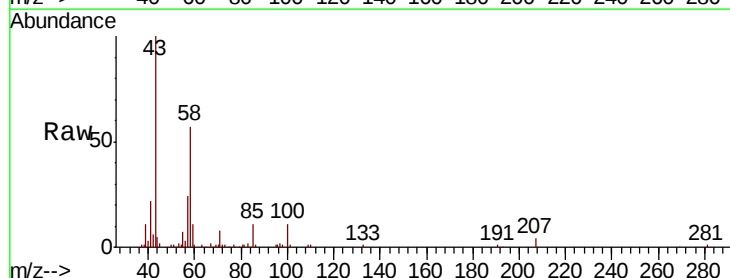
Acq: 15 May 2020 18:28

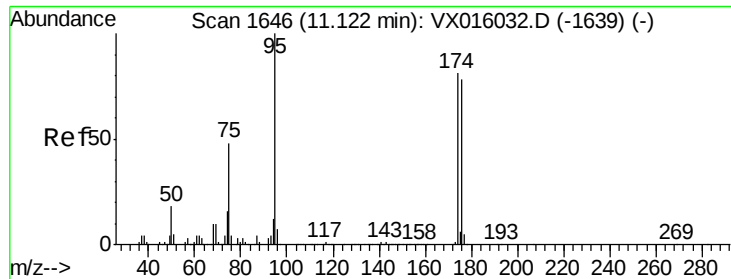
Tgt Ion: 43 Resp: 21877

Ion Ratio Lower Upper

43 100

58 59.0 28.6 85.9





#62

4-Bromofluorobenzene

Concen: 48.960 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

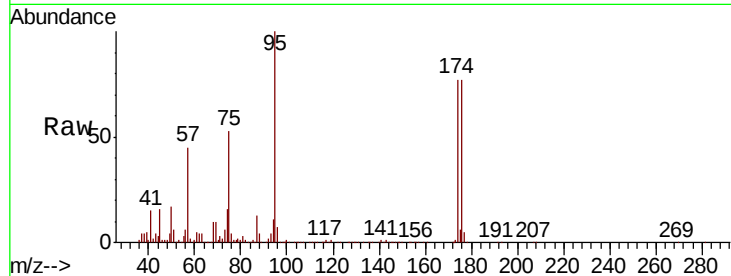
Tot Ion: 95 Resp: 170639

Ion Ratio Lower Upper

95 100

174 80.1 0.0 159.4

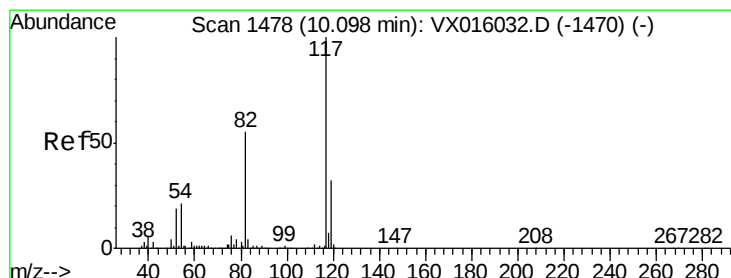
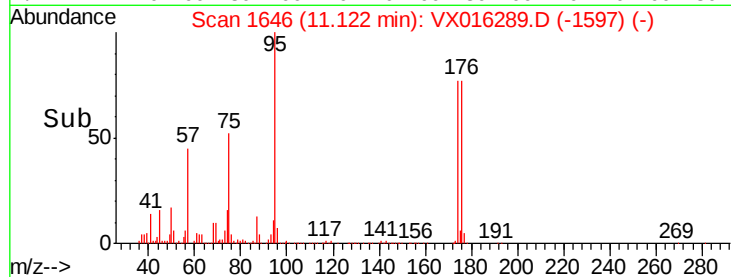
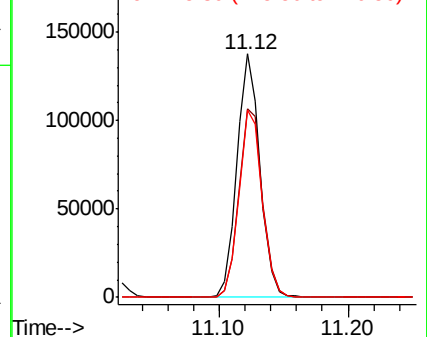
176 78.0 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

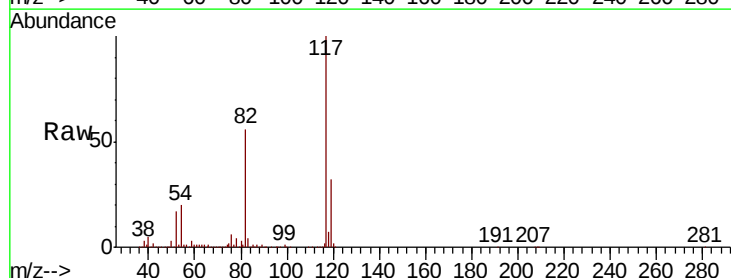
Tgt Ion: 117 Resp: 370986

Ion Ratio Lower Upper

117 100

82 55.6 44.4 66.6

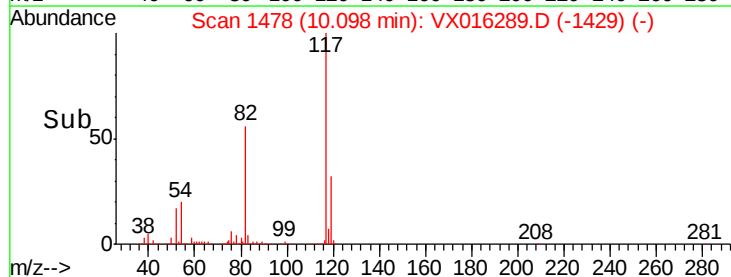
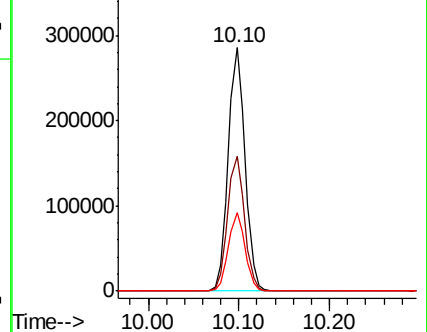
119 32.2 25.5 38.3

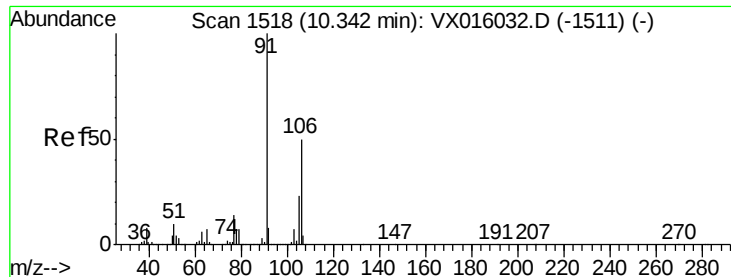


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#68

m/p-Xylenes

Concen: 0.557 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

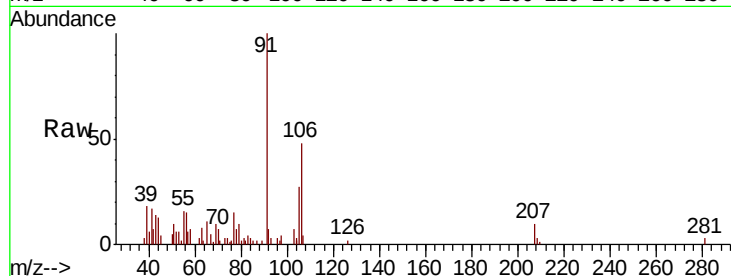
DRUM-COMP

Tot Ion:106 Resp: 2894

Ion Ratio Lower Upper

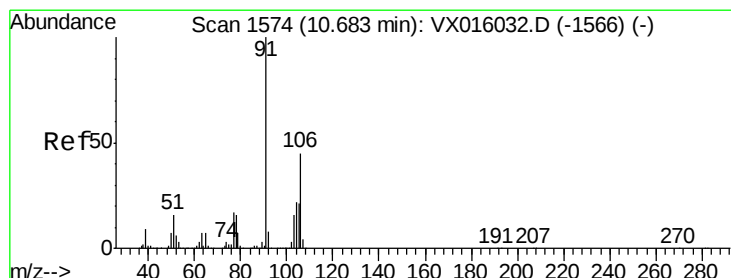
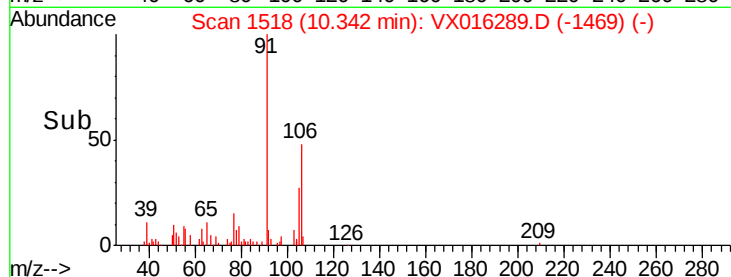
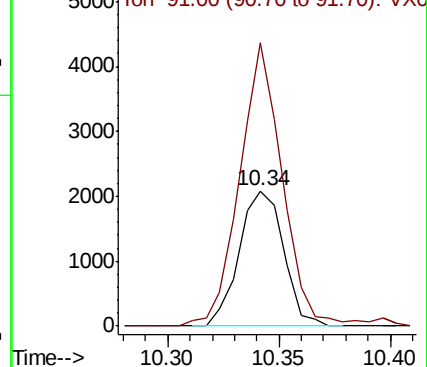
106 100

91 199.7 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.257 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016289.D

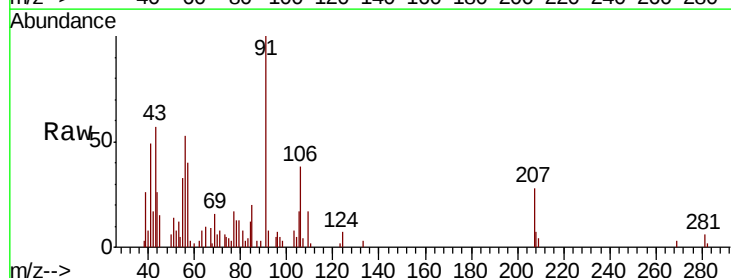
Acq: 15 May 2020 18:28

Tgt Ion:106 Resp: 1281

Ion Ratio Lower Upper

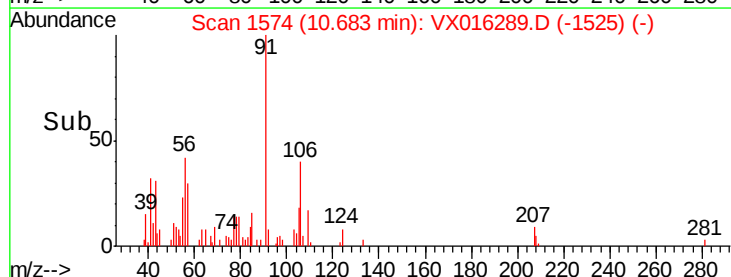
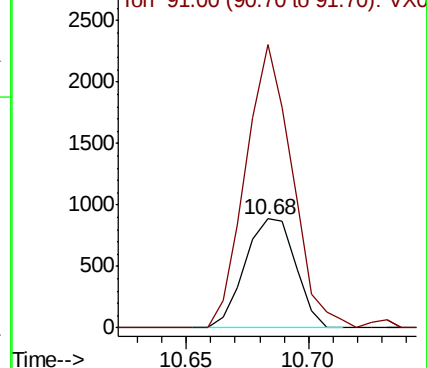
106 100

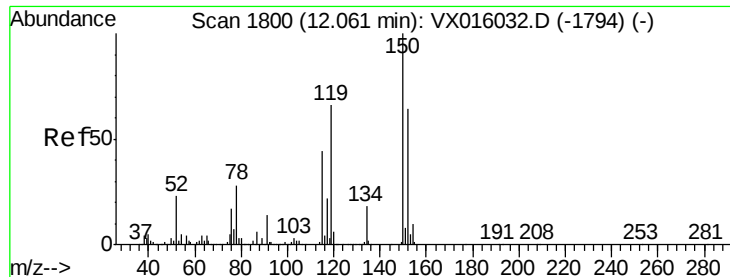
91 239.2 107.5 322.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

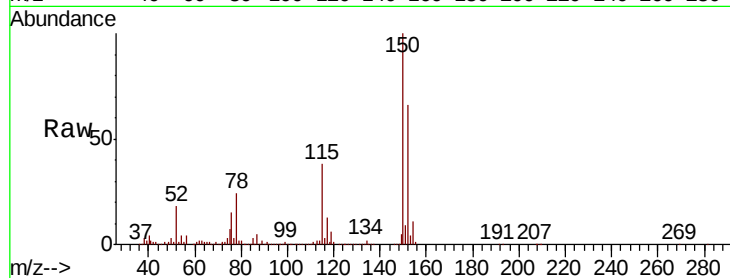
Tot Ion:152 Resp: 179255

Ion Ratio Lower Upper

152 100

115 66.1 41.3 124.1

150 156.2 0.0 352.2

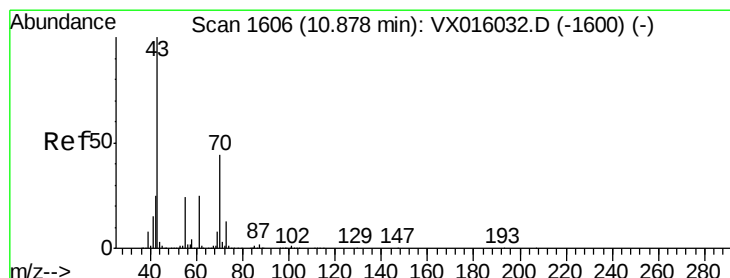
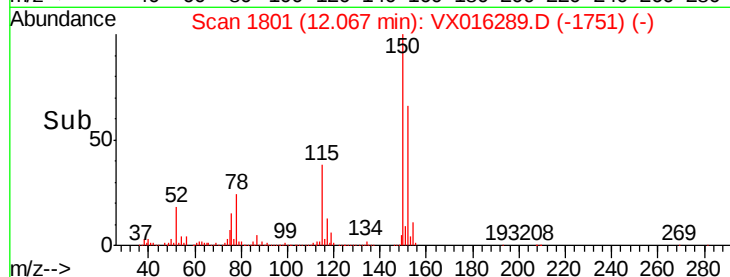
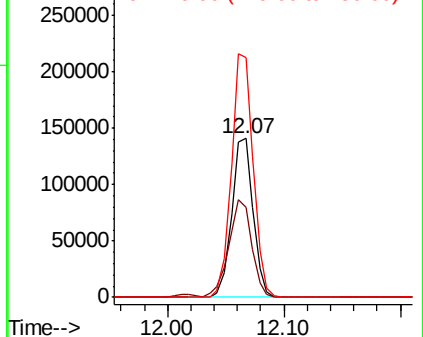


Abundance

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



#74

N-ethyl acetate

Concen: 293.024 ug/l

RT: 11.07 min Scan# 1637

Delta R.T. 0.19 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Tgt Ion: 43 Resp: 1782018

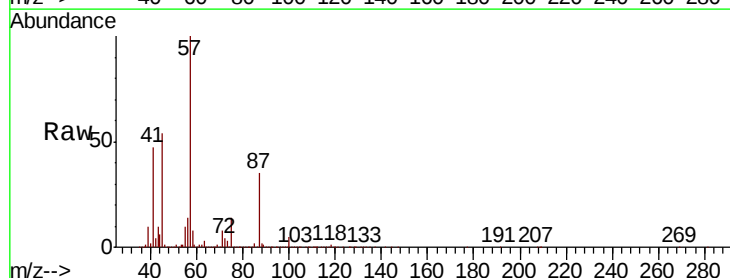
Ion Ratio Lower Upper

43 100

70 2.0 36.5 54.7#

55 98.3 19.7 29.5#

61 14.2 20.9 31.3#



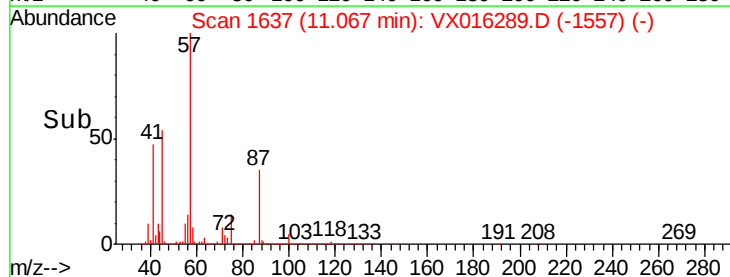
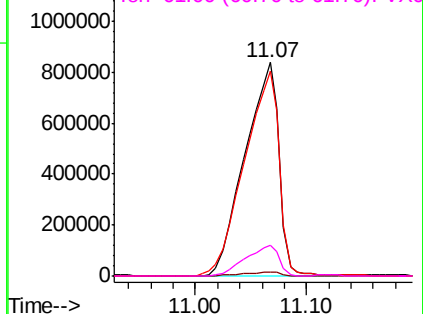
Abundance

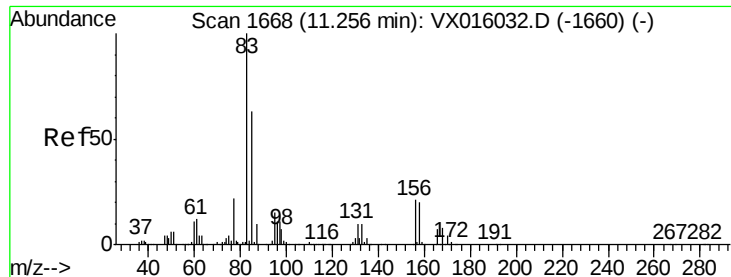
Ion 43.00 (42.70 to 43.70): VX0

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: 2.176 ug/l

RT: 11.24 min Scan# 1666

Delta R.T. -0.01 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

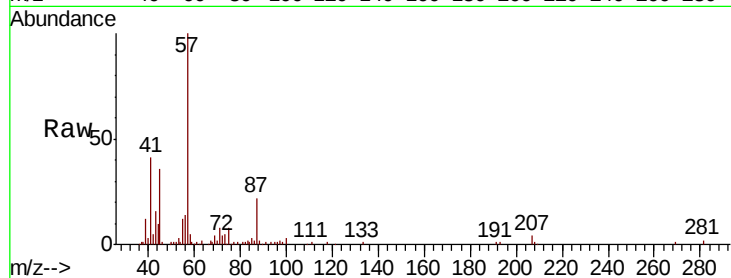
Tot Ion: 83 Resp: 309

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

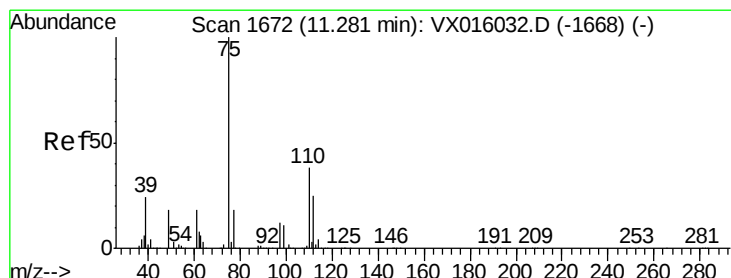
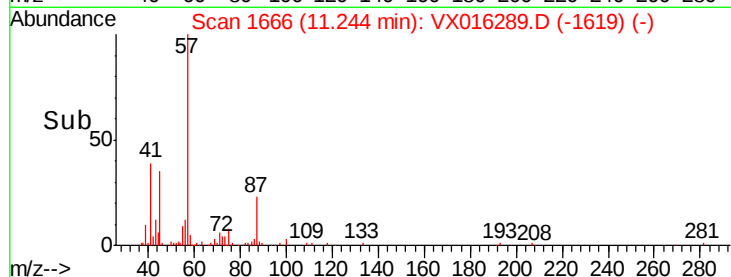
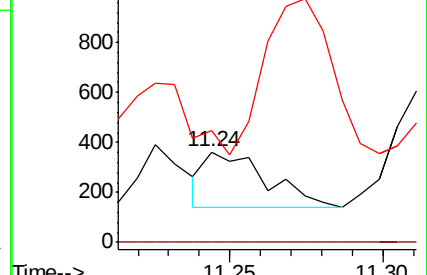
85 0.0 32.0 96.0#



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: 25.127 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016289.D

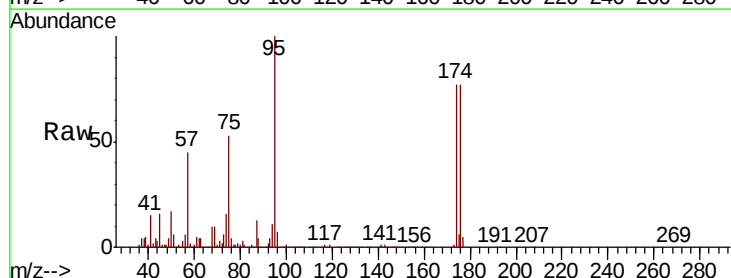
Acq: 15 May 2020 18:28

Tgt Ion: 75 Resp: 102208

Ion Ratio Lower Upper

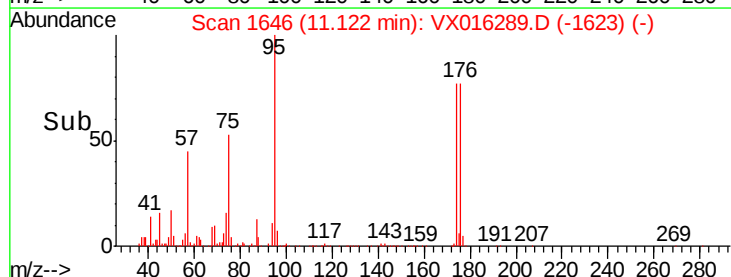
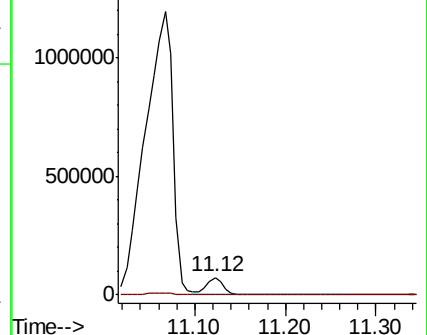
75 100

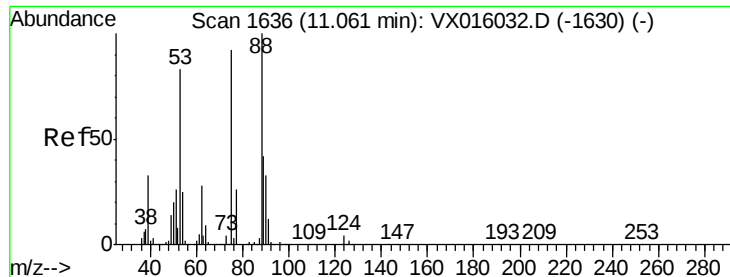
77 0.9 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 1479.929 ug/l

RT: 11.07 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

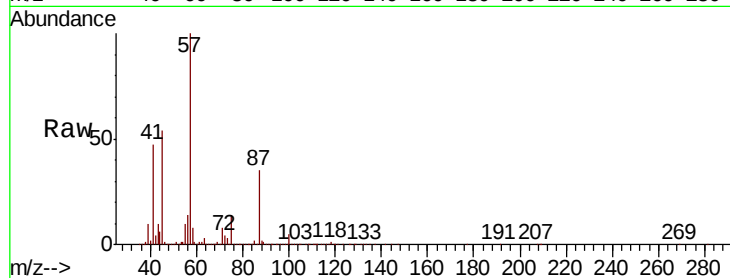
Tot Ion: 75 Resp: 2526115

Ion Ratio Lower Upper

75 100

53 10.7 73.1 109.7#

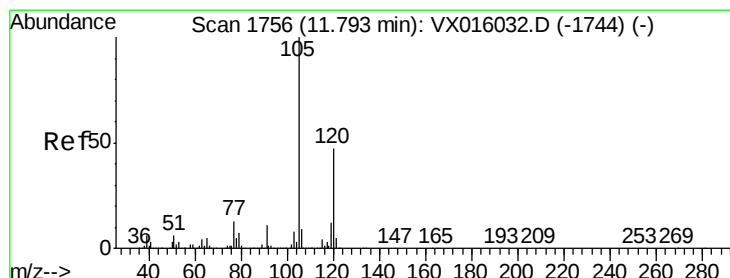
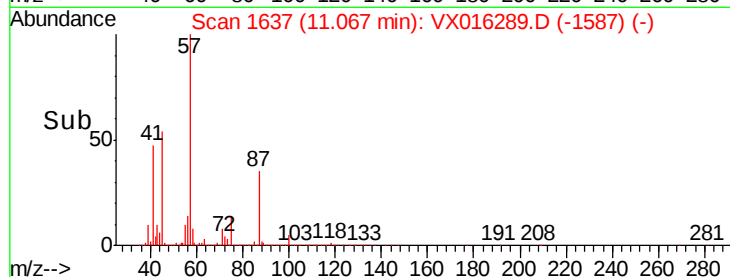
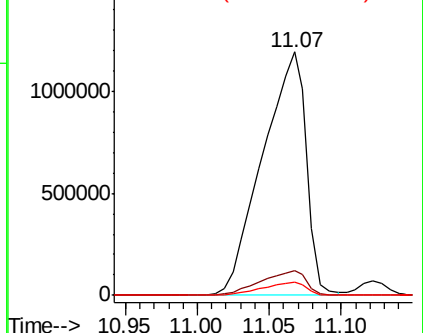
89 5.3 36.7 55.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.171 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016289.D

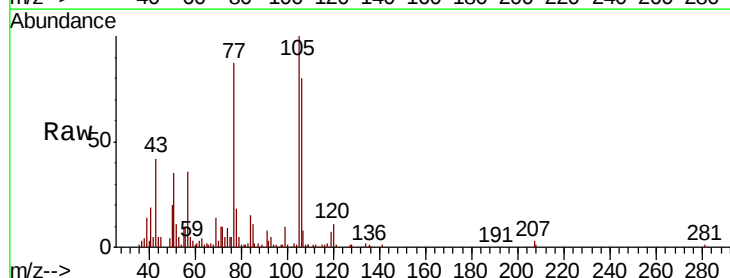
Acq: 15 May 2020 18:28

Tgt Ion:105 Resp: 24165

Ion Ratio Lower Upper

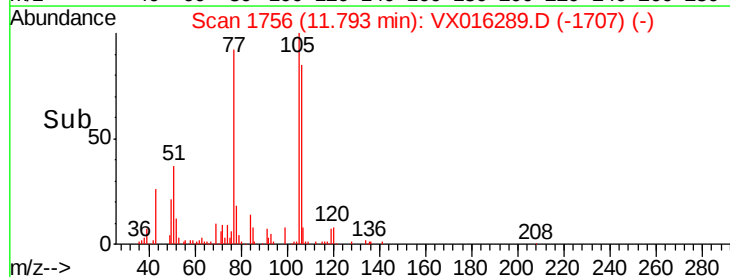
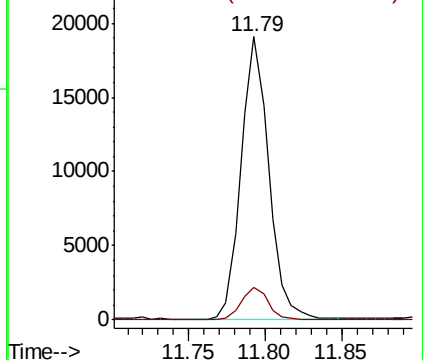
105 100

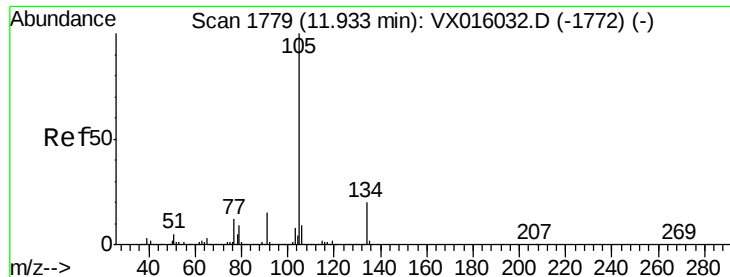
120 11.1 23.0 69.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

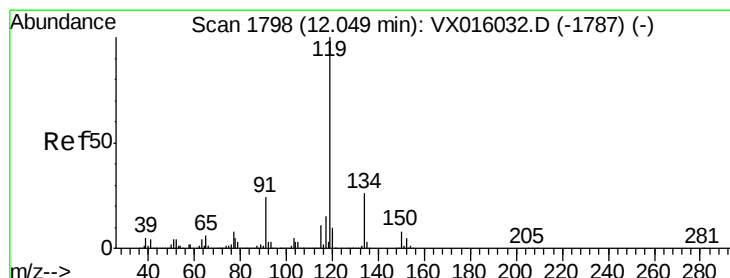
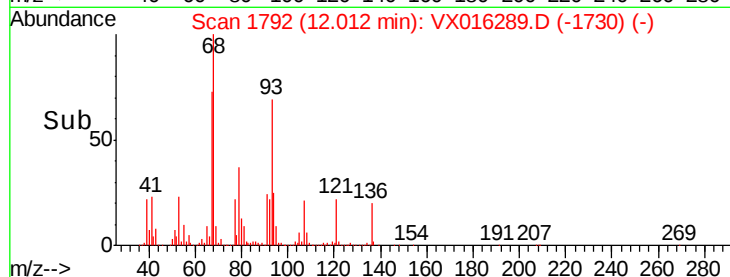
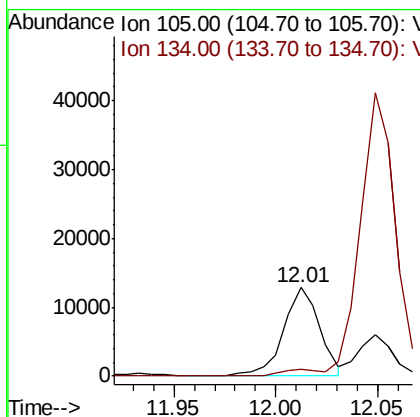
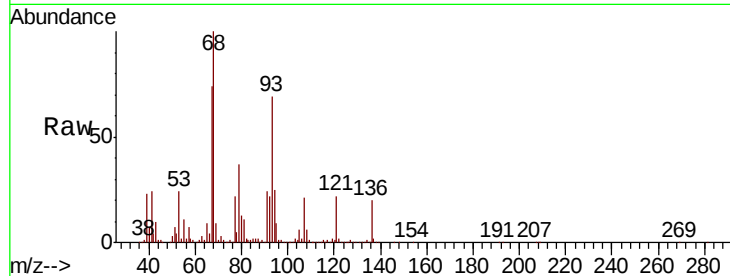




#85
 sec-Butylbenzene
 Concen: 1.254 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.08 min
 Lab File: VX016289.D
 Acq: 15 May 2020 18:28

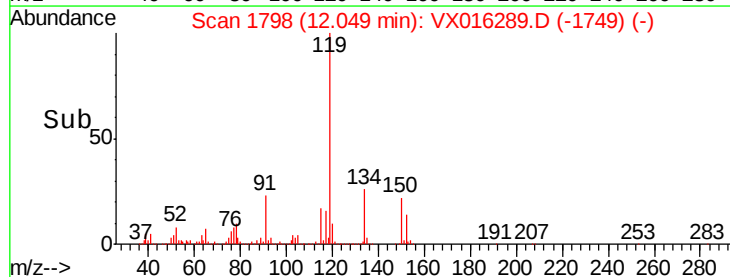
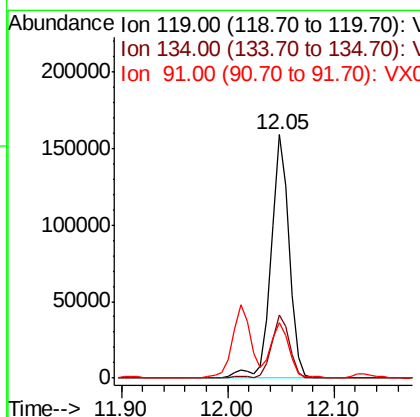
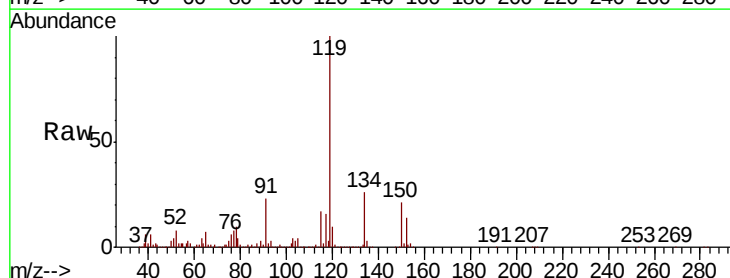
Instrument :
 MSVOA_X
 ClientSampleId :
 DRUM-COMP

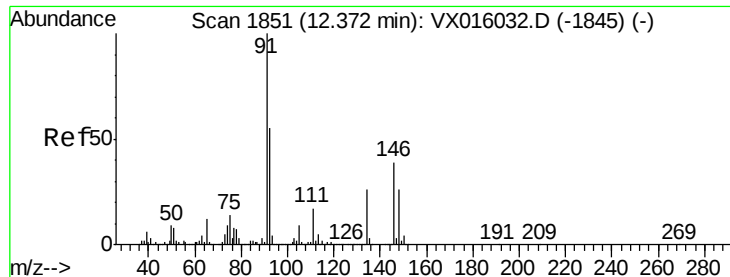
Tot Ion:105 Resp: 16061
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.3#



#86
 p-Isopropyltoluene
 Concen: 15.913 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX016289.D
 Acq: 15 May 2020 18:28

Tgt Ion:119 Resp: 189245
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.3
 91 23.2 11.8 35.4





#89

n-Butylbenzene

Concen: 0.226 ug/l

RT: 12.36 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

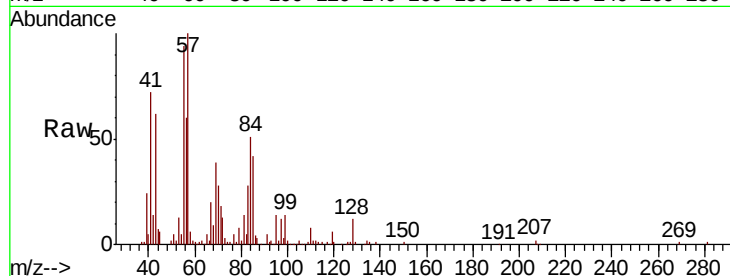
Tot Ion: 91 Resp: 2457

Ion Ratio Lower Upper

91 100

92 33.0 27.6 82.7

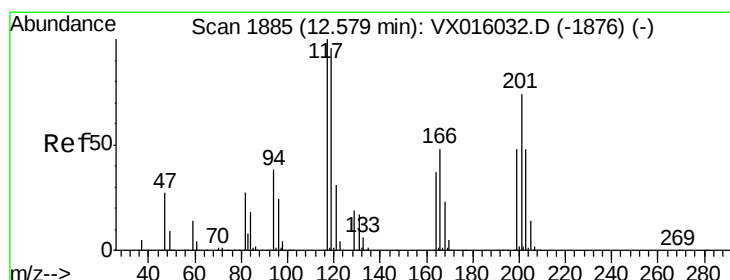
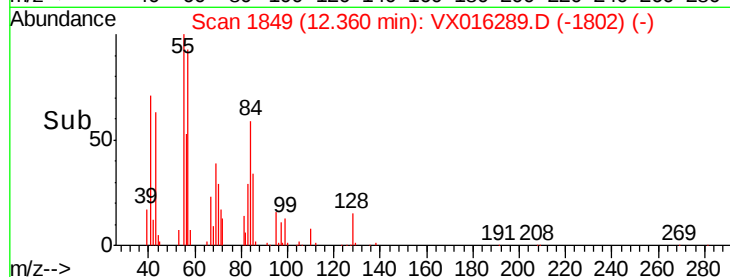
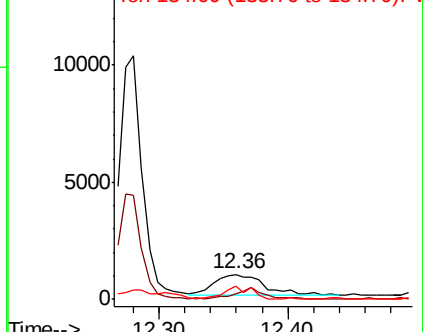
134 35.4 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.482 ug/l

RT: 12.57 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX016289.D

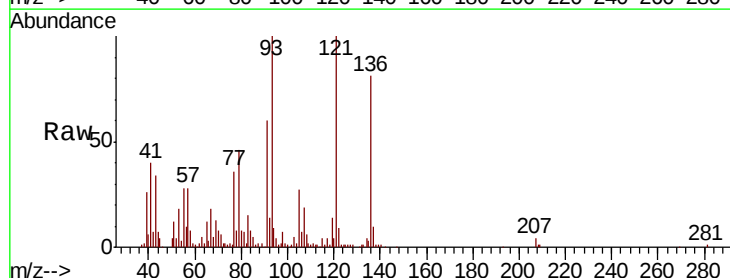
Acq: 15 May 2020 18:28

Tgt Ion: 117 Resp: 985

Ion Ratio Lower Upper

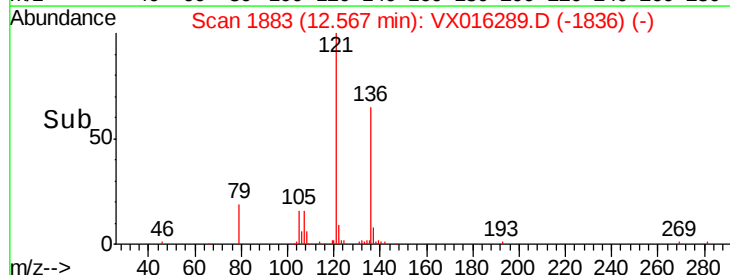
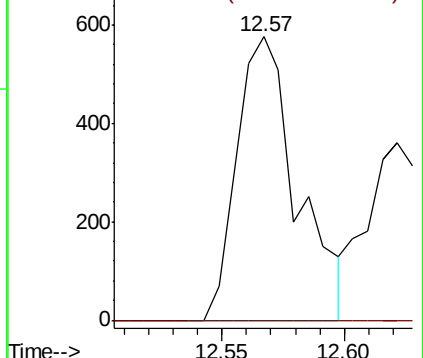
117 100

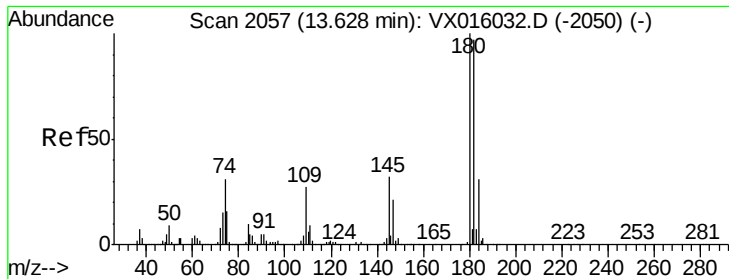
201 0.0 39.8 119.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#93

1,2,4-Trichlorobenzene

Concen: 0.430 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

Instrument :

MSVOA_X

ClientSampleId :

DRUM-COMP

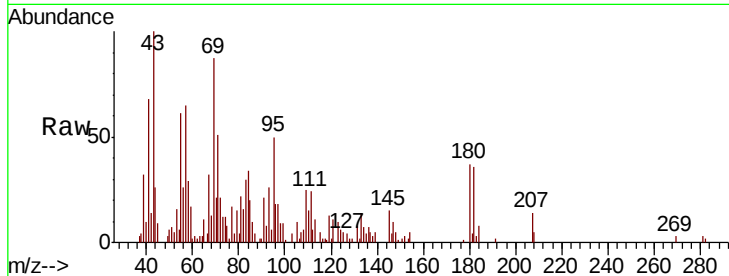
Tot Ion:180 Resp: 1853

Ion Ratio Lower Upper

180 100

182 96.9 48.7 146.1

145 40.2 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

2000 Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

13.63

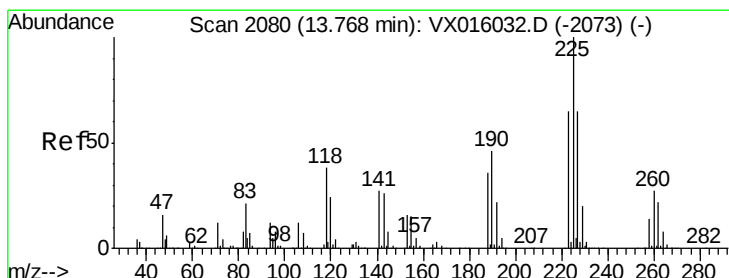
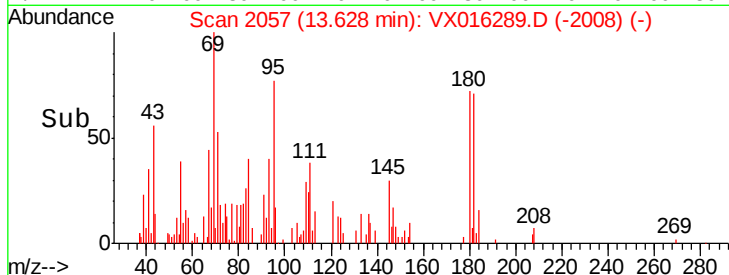
1500

1000

500

0

Time-->



#94

Hexachlorobutadiene

Concen: 0.547 ug/l

RT: 13.85 min Scan# 2094

Delta R.T. 0.09 min

Lab File: VX016289.D

Acq: 15 May 2020 18:28

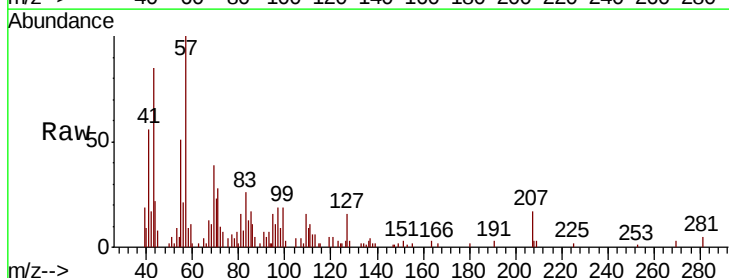
Tgt Ion:225 Resp: 44

Ion Ratio Lower Upper

225 100

223 0.0 32.3 96.9#

227 0.0 31.8 95.4#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

13.85

80

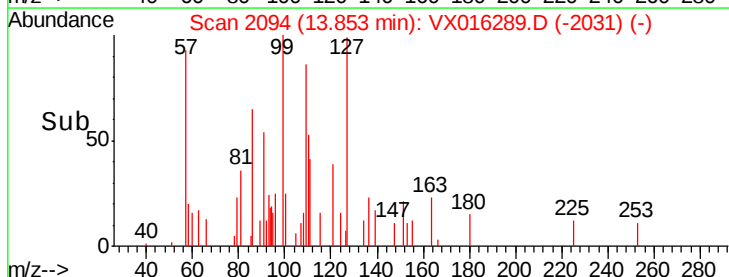
60

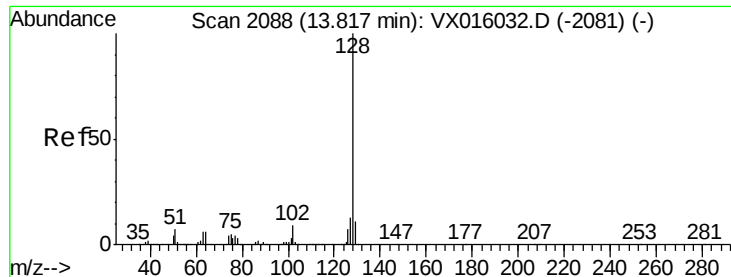
40

20

0

Time-->





#95
Naphthalene
Concen: 0.430 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016289.D
Acq: 15 May 2020 18:28

Instrument :
MSVOA_X
ClientSampleId :
DRUM-COMP

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.6	10.2	15.4#
129	13.2	8.7	13.1#

