

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052020\
 Data File : VX016365.D
 Acq On : 20 May 2020 17:08
 Operator : JC/SP
 Sample : L2708-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0694

Quant Time: May 21 03:54:04 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	254479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	423007	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	413357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201817	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	149257	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
35) Dibromofluoromethane	5.47	113	124616	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
50) Toluene-d8	8.70	98	516705	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.12	95	206015	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

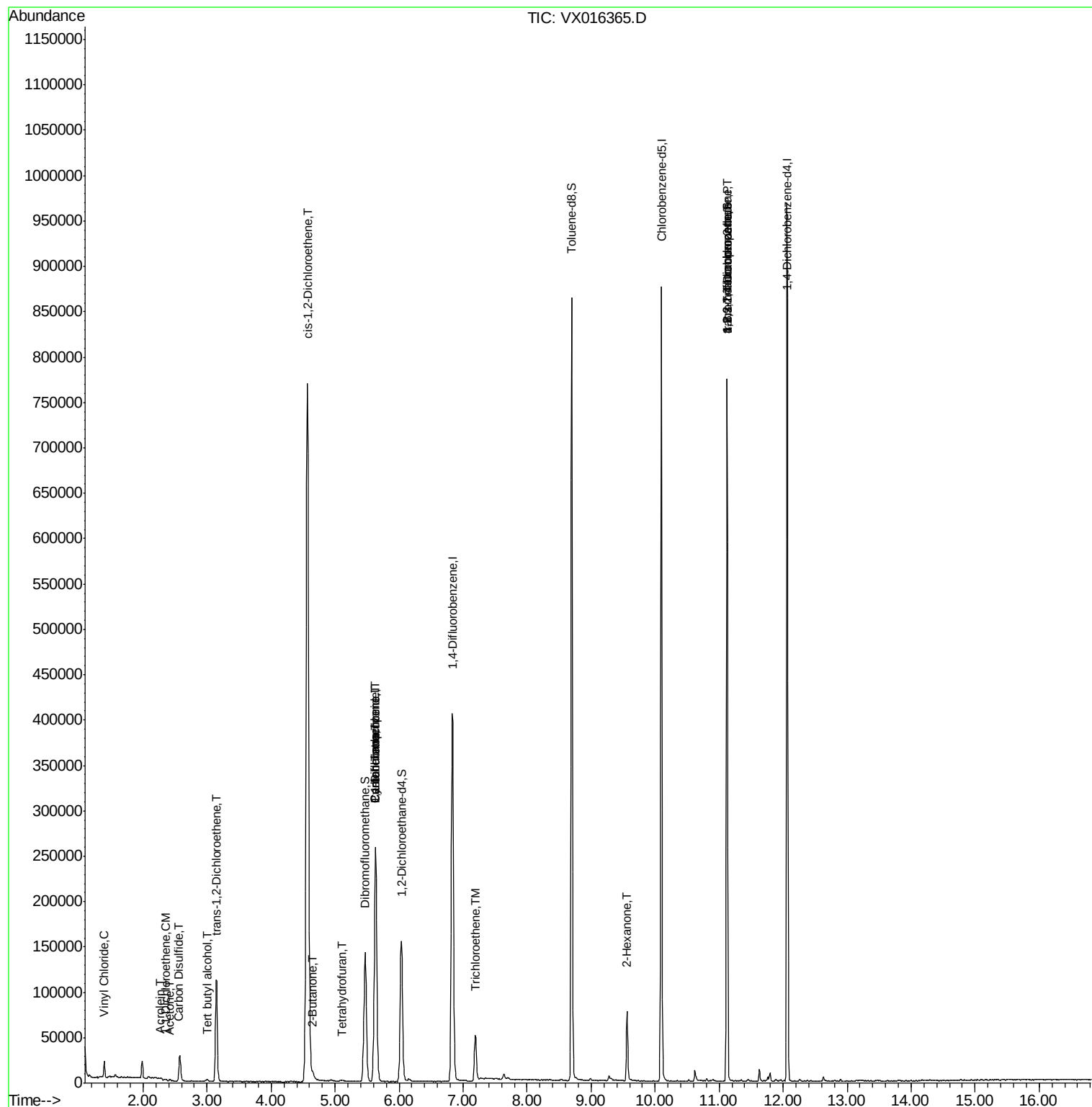
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	8157	2.444	ug/l	98
11) Tert butyl alcohol	3.00	59	1657	1.957	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	836	0.316	ug/l	88
13) Acrolein	2.26	56	154	0.291	ug/l #	47
16) Acetone	2.42	43	2355	1.576	ug/l #	85
17) Carbon Disulfide	2.56	76	3447	0.228	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	49075	16.648	ug/l	96
25) 2-Butanone	4.65	43	1163	0.483	ug/l	96
27) cis-1,2-Dichloroethene	4.57	96	515108	159.834	ug/l	86
29) Tetrahydrofuran	5.10	42	866	0.543	ug/l #	74
31) Cyclohexane	5.63	56	4428	0.952	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18222	4.376	ug/l #	48
38) Carbon Tetrachloride	5.63	117	24066	5.686	ug/l #	15
44) Trichloroethene	7.19	130	18579	4.292	ug/l	97
59) 2-Hexanone	9.56	43	10409	2.813	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.13	83	111	2.089	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	98089	21.418	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	98089	51.041	ug/l #	13

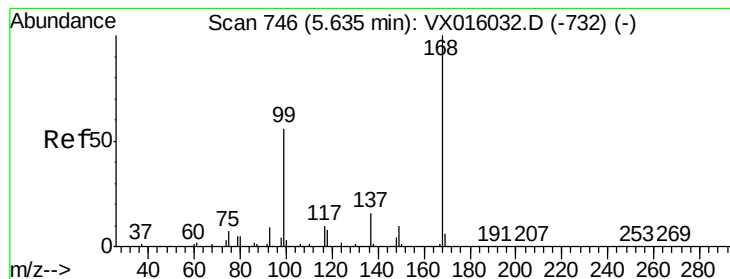
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

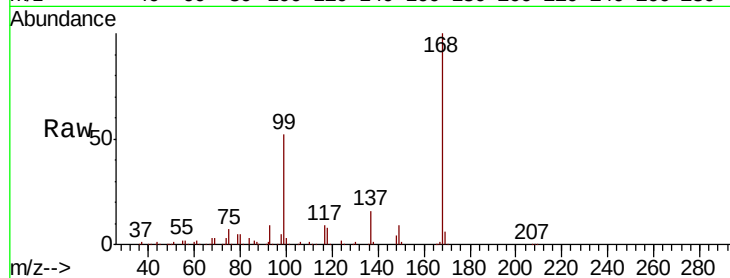
S32-0694

Tot Ion:168 Resp: 254479

Ion Ratio Lower Upper

168 100

99 52.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

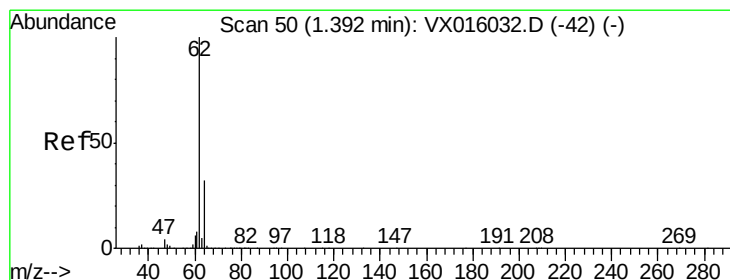
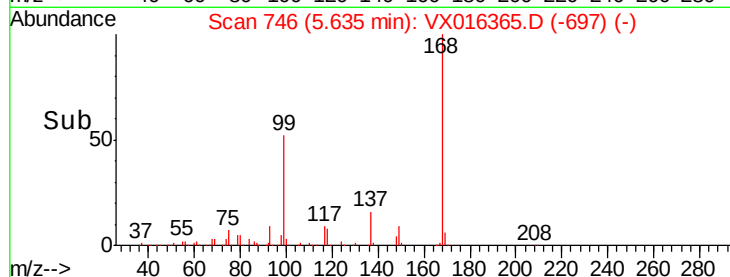
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 2.444 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016365.D

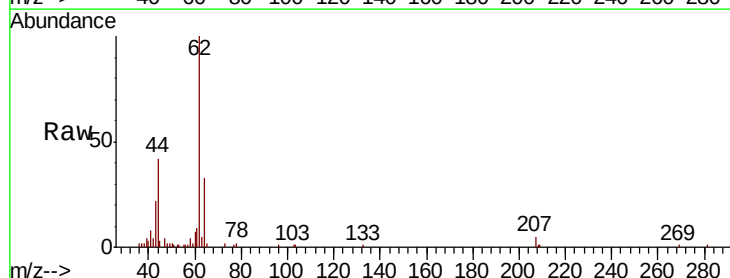
Acq: 20 May 2020 17:08

Tgt Ion: 62 Resp: 8157

Ion Ratio Lower Upper

62 100

64 33.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

10000

8000

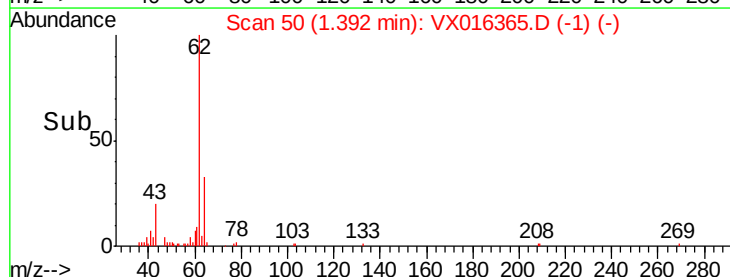
6000

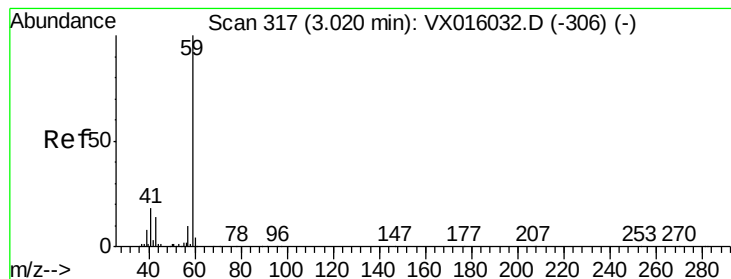
4000

2000

0

Time-->





#11

Tert butyl alcohol

Concen: 1.957 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

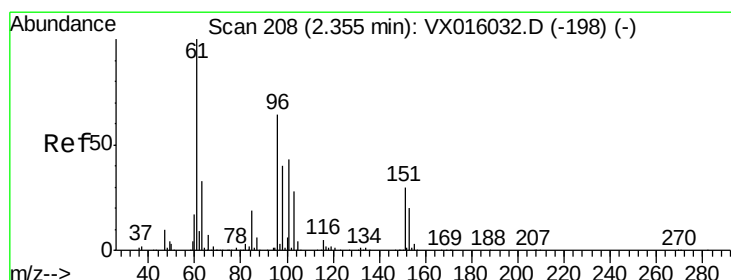
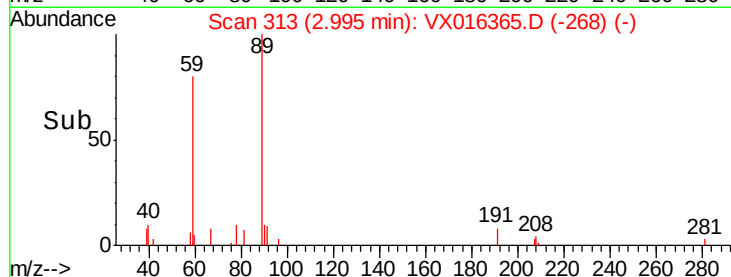
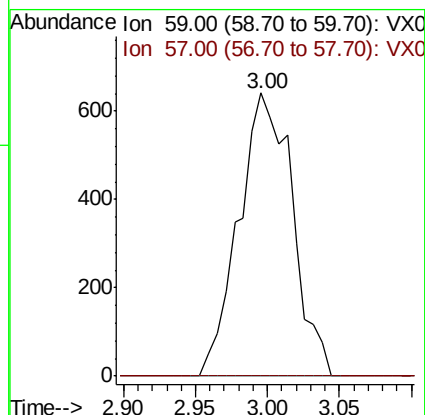
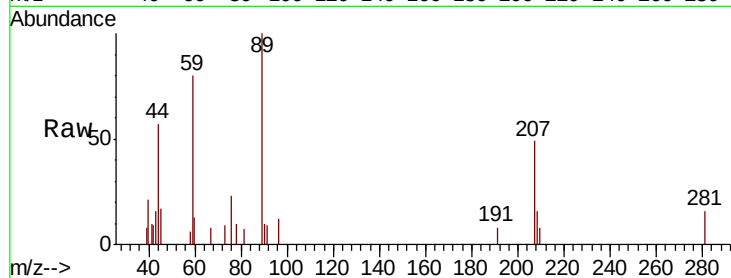
S32-0694

Tot Ion: 59 Resp: 1657

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 0.316 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

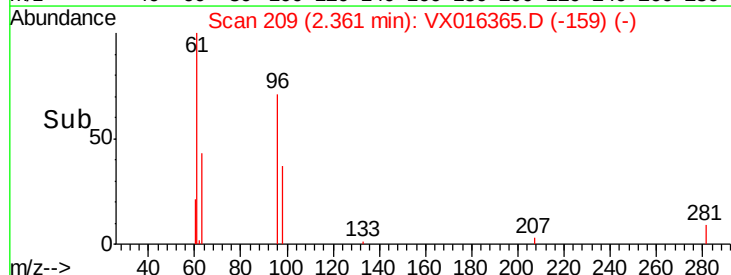
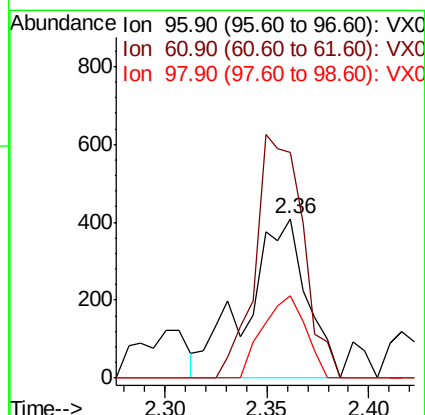
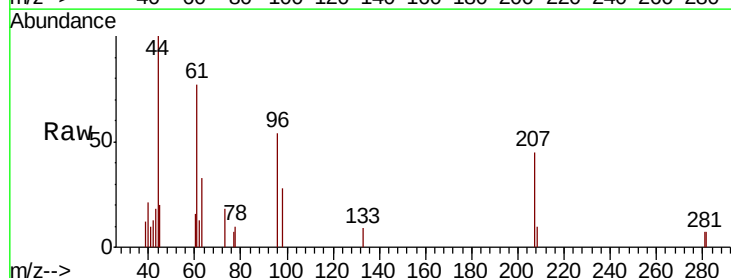
Tgt Ion: 96 Resp: 836

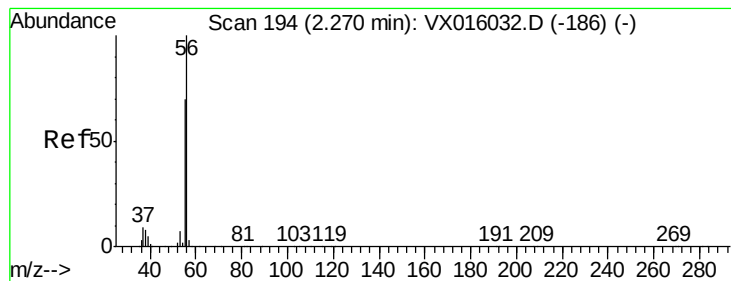
Ion Ratio Lower Upper

96 100

61 141.3 124.8 187.2

98 51.6 49.7 74.5





#13

Acrolein

Concen: 0.291 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

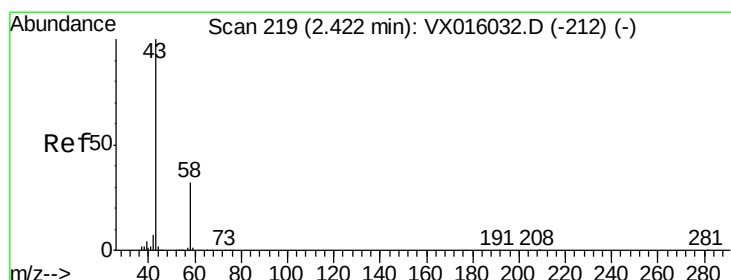
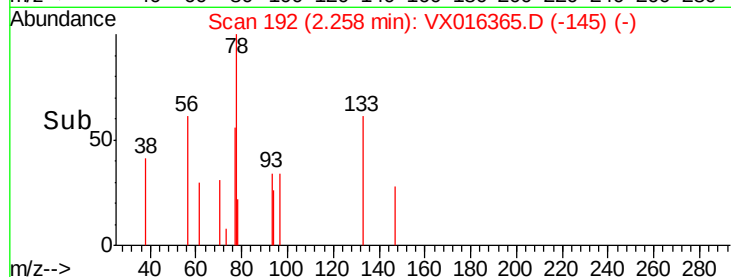
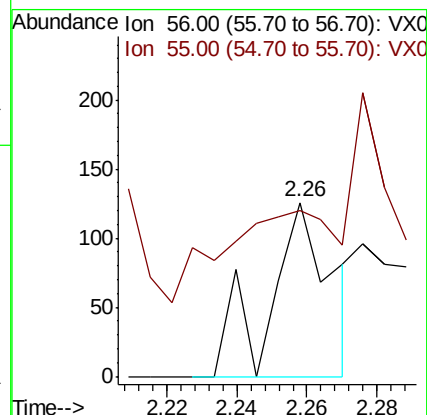
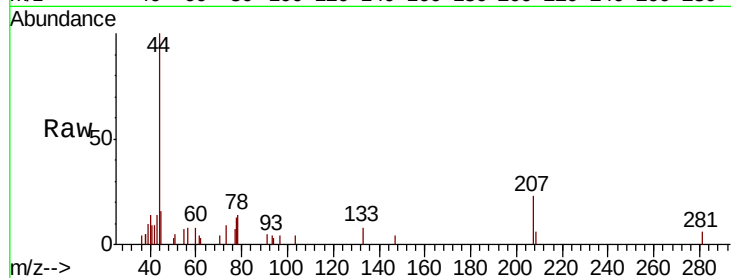
S32-0694

Tot Ion: 56 Resp: 154

Ion Ratio Lower Upper

56 100

55 114.3 56.5 84.7#



#16

Acetone

Concen: 1.576 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016365.D

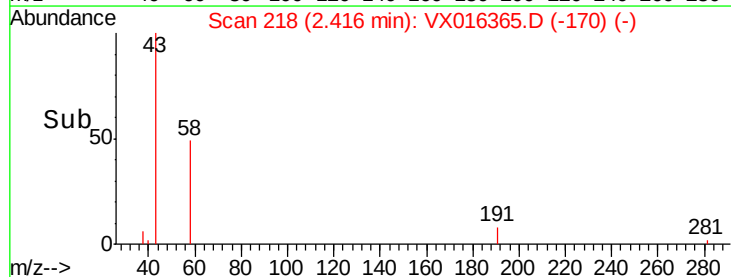
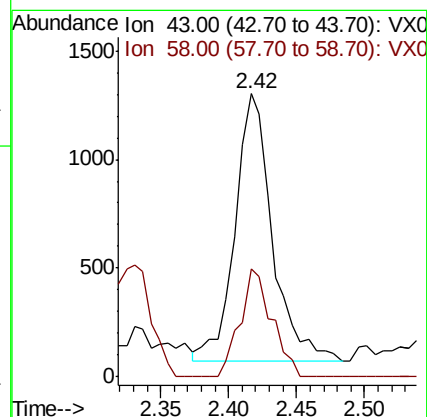
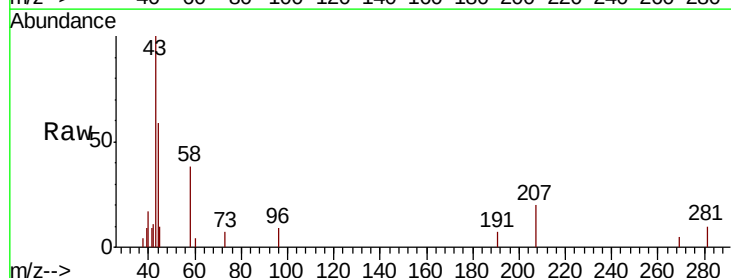
Acq: 20 May 2020 17:08

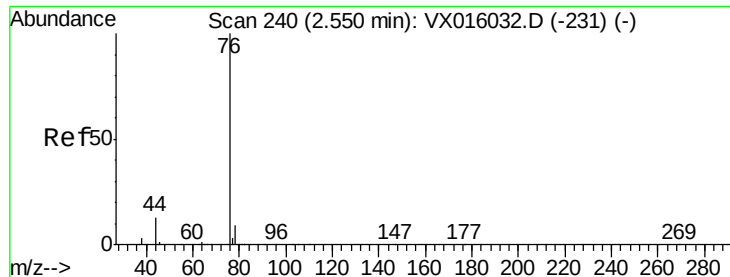
Tgt Ion: 43 Resp: 2355

Ion Ratio Lower Upper

43 100

58 40.1 25.4 38.0#





#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

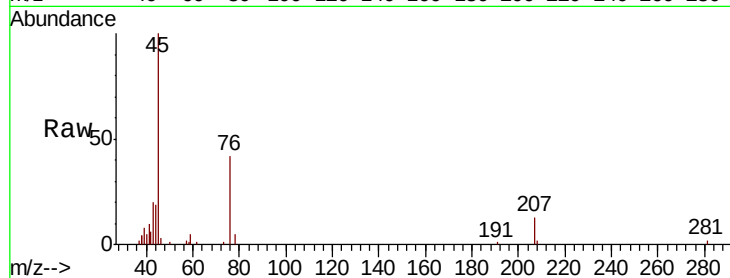
S32-0694

Tot Ion: 76 Resp: 3447

Ion Ratio Lower Upper

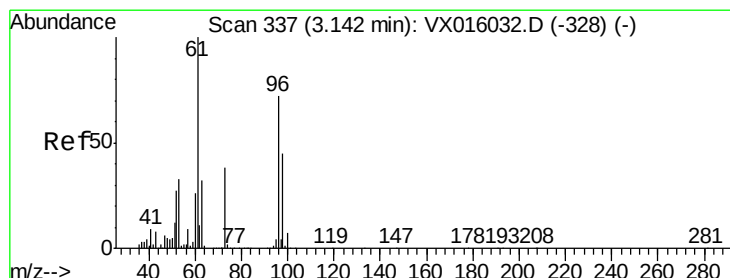
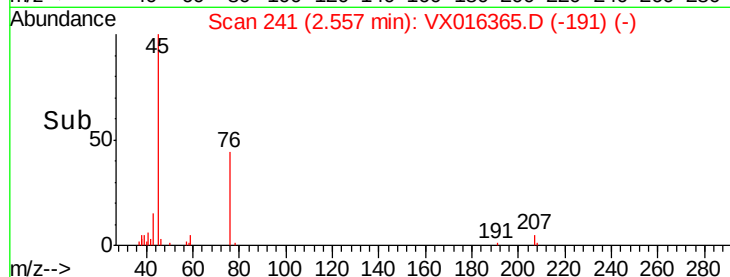
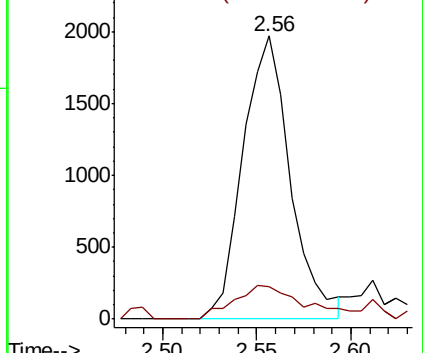
76 100

78 11.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 16.648 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

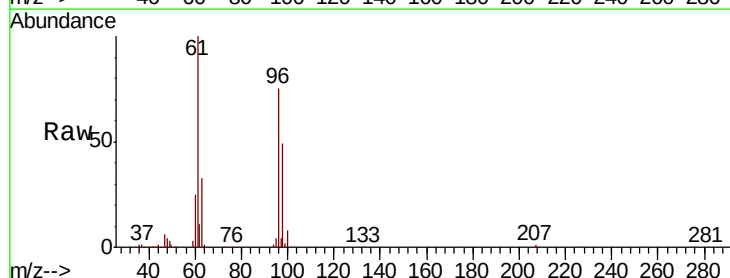
Tgt Ion: 96 Resp: 49075

Ion Ratio Lower Upper

96 100

61 133.8 111.2 166.8

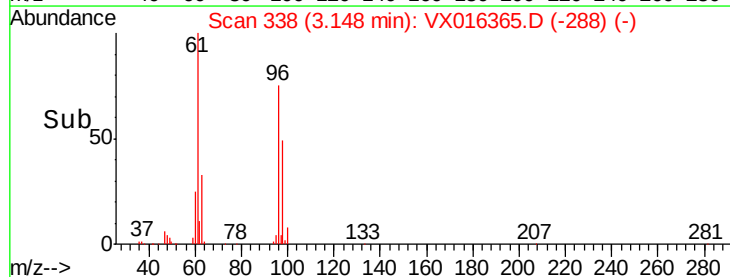
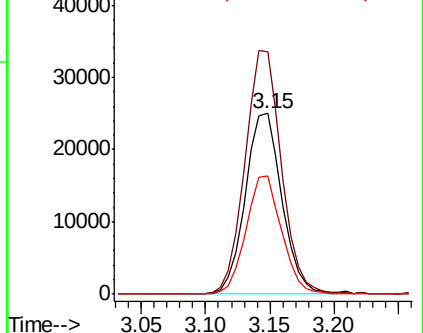
98 65.2 50.2 75.4

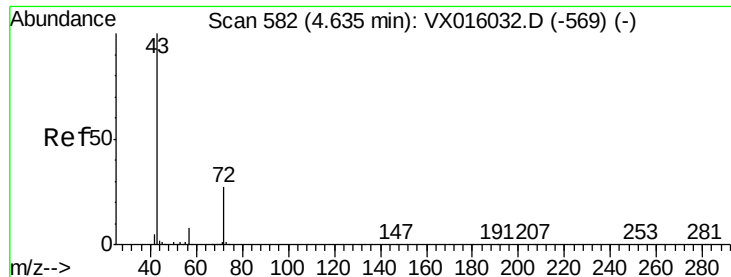


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.483 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

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ClientSampleId :

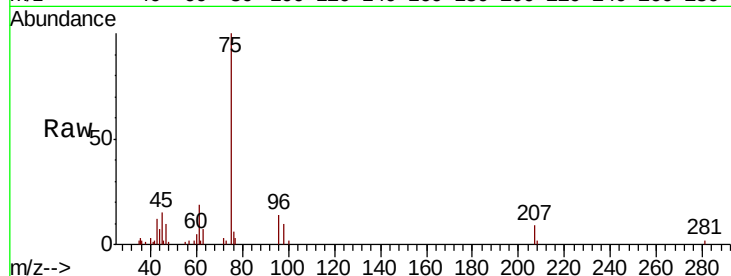
S32-0694

Tot Ion: 43 Resp: 1163

Ion Ratio Lower Upper

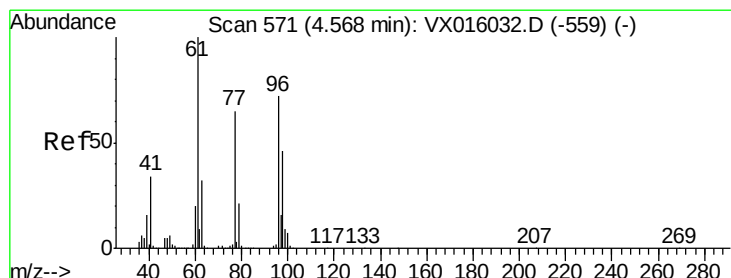
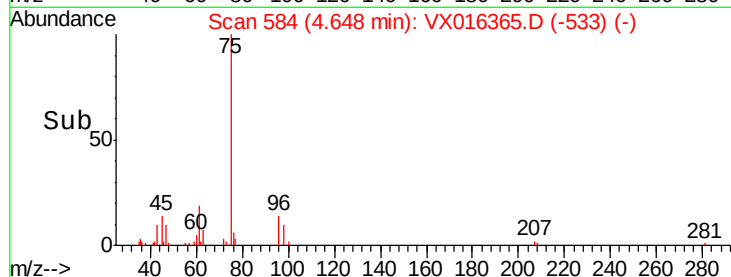
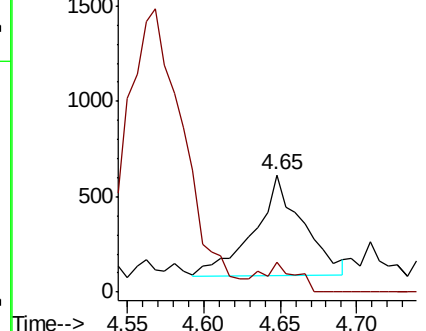
43 100

72 29.3 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 159.834 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

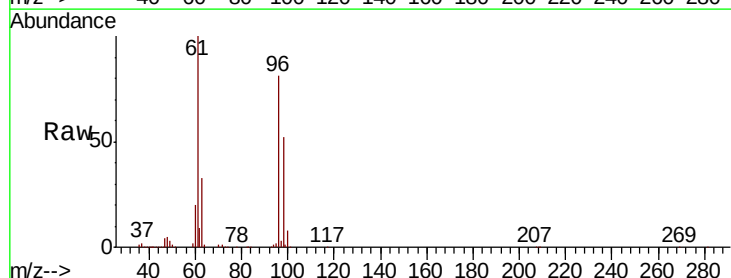
Tgt Ion: 96 Resp: 515108

Ion Ratio Lower Upper

96 100

61 123.8 0.0 296.2

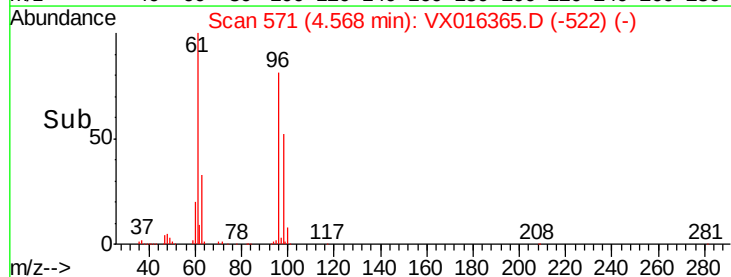
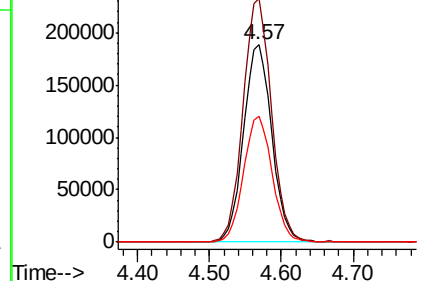
98 64.4 0.0 129.4

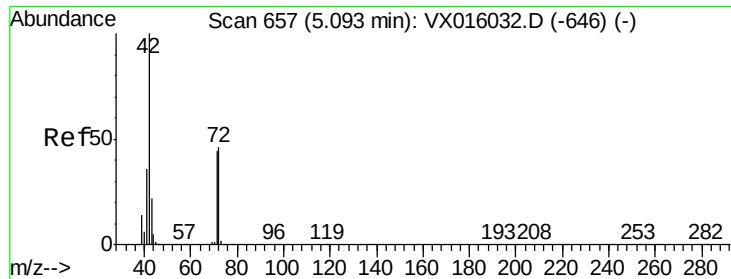


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.543 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

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S32-0694

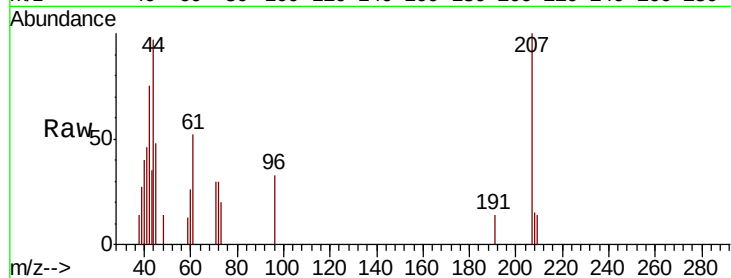
Tot Ion: 42 Resp: 866

Ion Ratio Lower Upper

42 100

72 24.4 37.1 55.7#

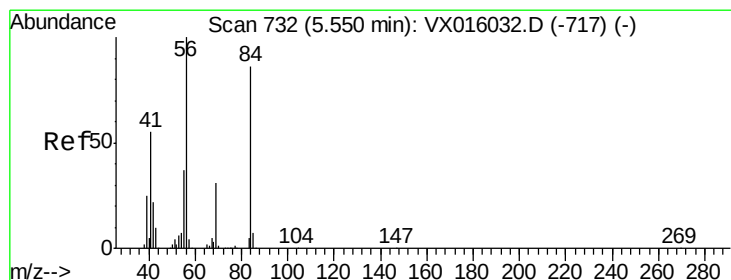
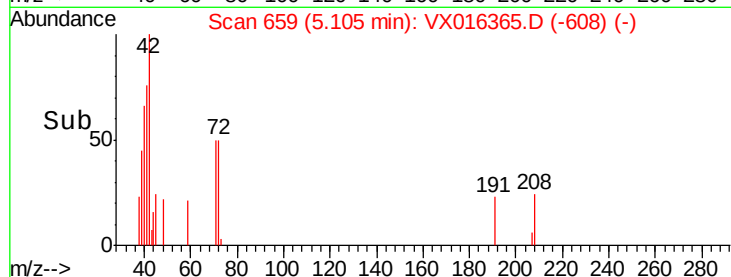
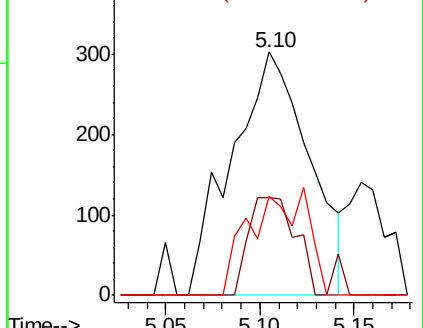
71 32.0 34.5 51.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.952 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

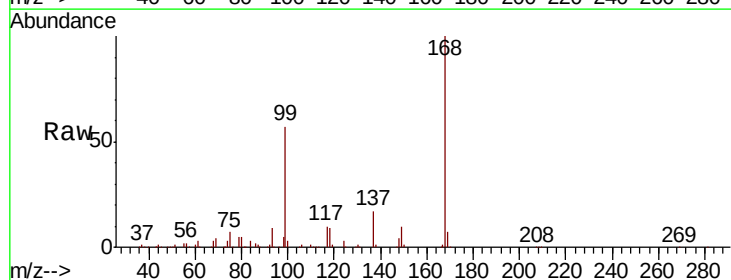
Tgt Ion: 56 Resp: 4428

Ion Ratio Lower Upper

56 100

69 200.1 25.0 37.6#

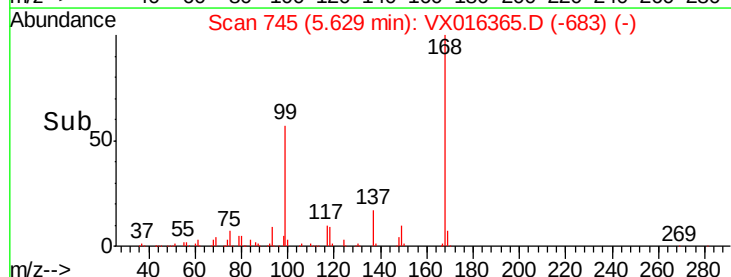
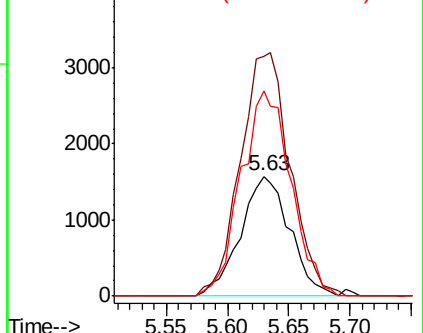
84 171.7 69.0 103.6#

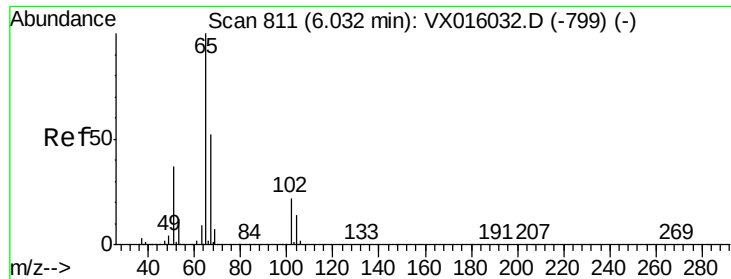


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

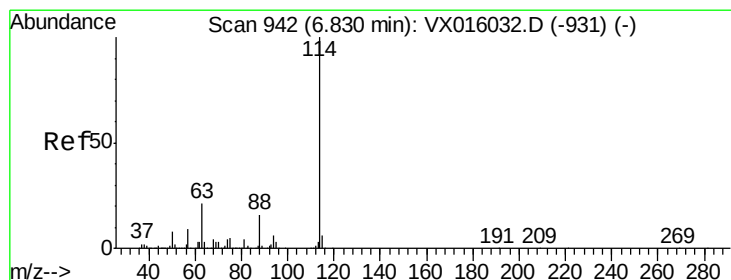
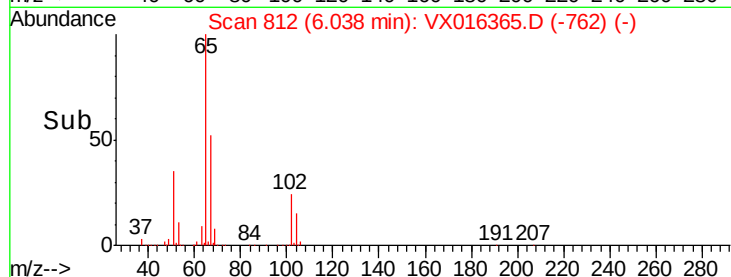
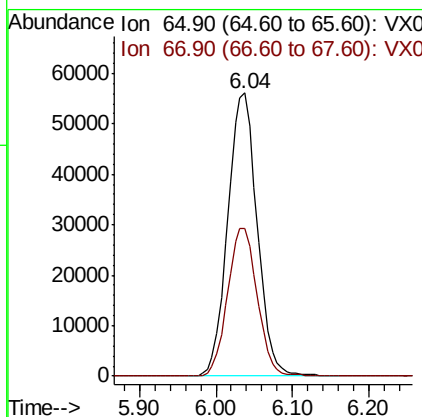
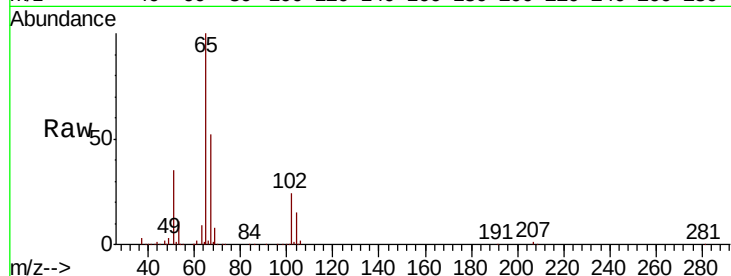




#33
 1,2-Dichloroethane-d4
 Concen: 44.572 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016365.D
 Acq: 20 May 2020 17:08

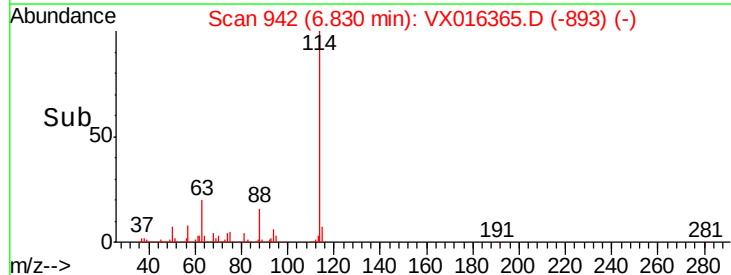
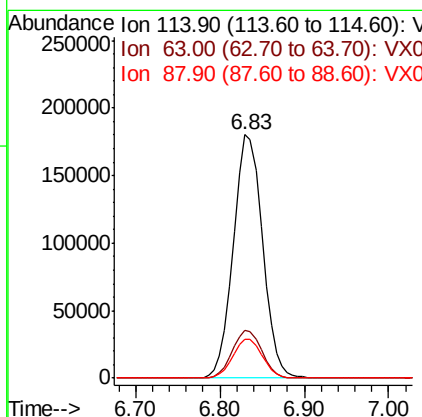
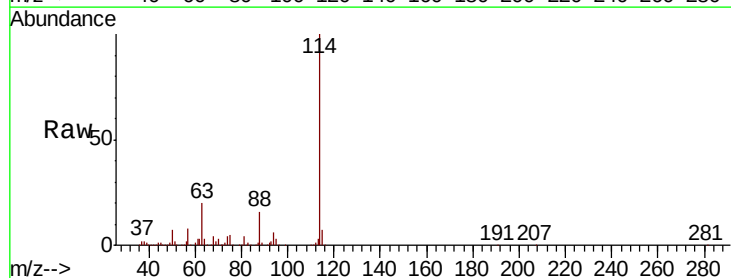
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0694

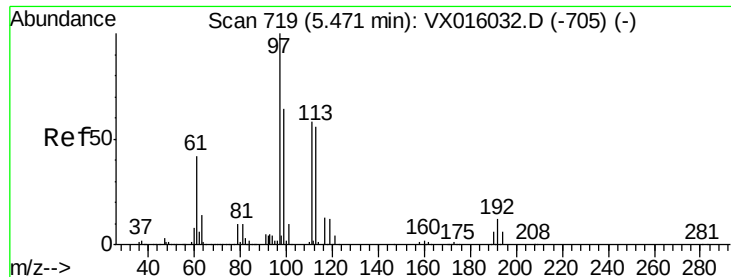
Tot Ion: 65 Resp: 149257
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016365.D
 Acq: 20 May 2020 17:08

Tgt Ion: 114 Resp: 423007
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.8
 88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.500 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

S32-0694

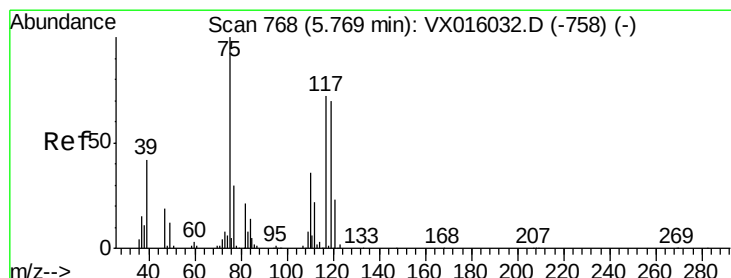
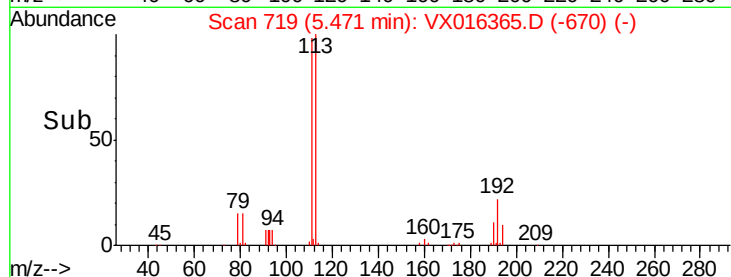
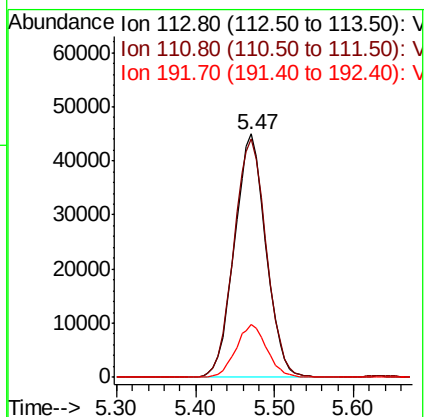
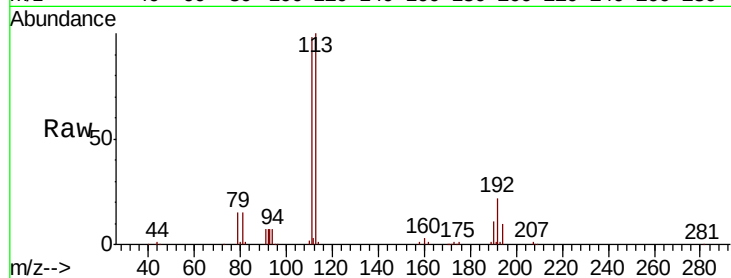
Tot Ion:113 Resp: 124616

Ion Ratio Lower Upper

113 100

111 101.3 81.6 122.4

192 21.2 17.0 25.4



#36

1,1-Dichloropropene

Concen: 4.376 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

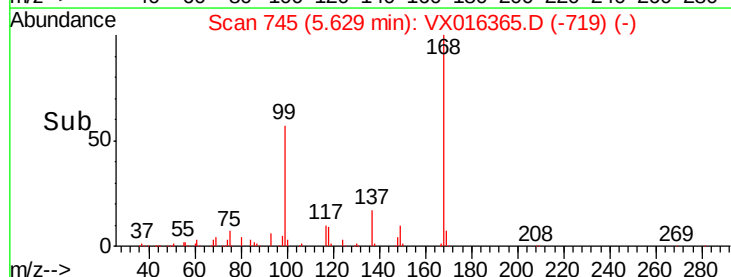
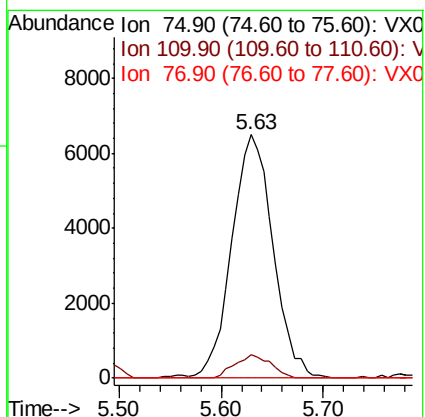
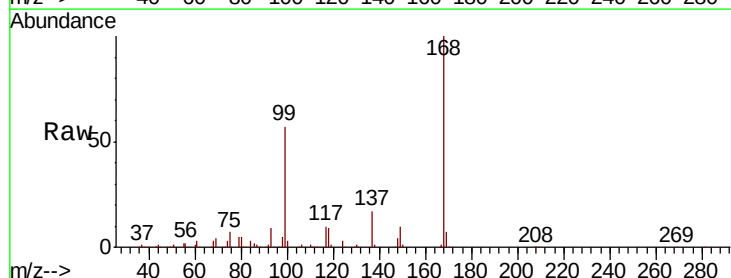
Tgt Ion: 75 Resp: 18222

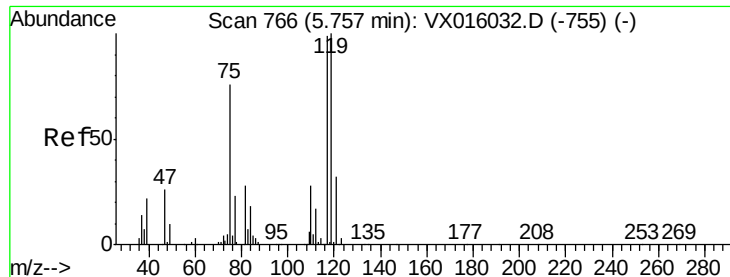
Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.1#

77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.686 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

MSVOA_X

ClientSampled :

S32-0694

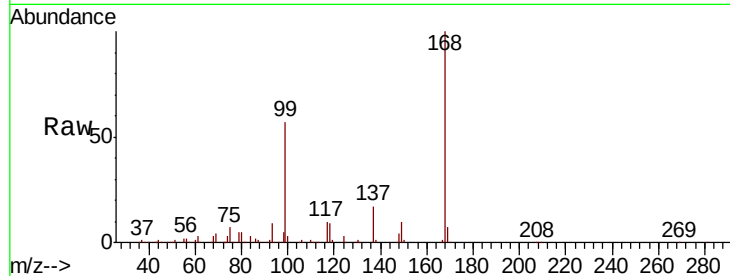
Tot Ion:117 Resp: 24066

Ion Ratio Lower Upper

117 100

119 5.9 80.3 120.5#

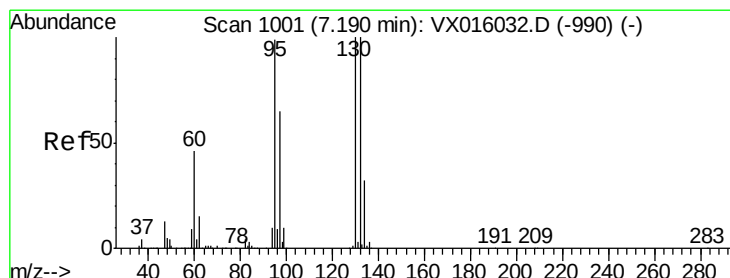
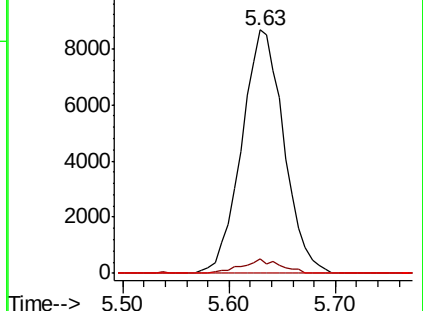
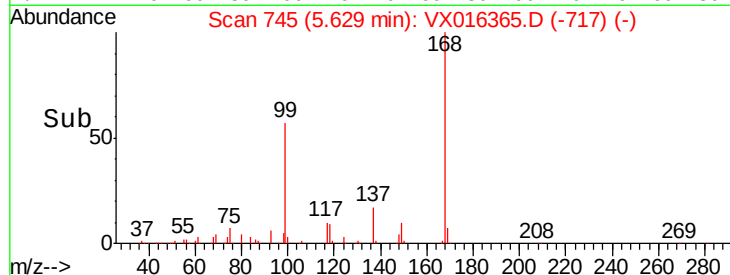
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 4.292 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016365.D

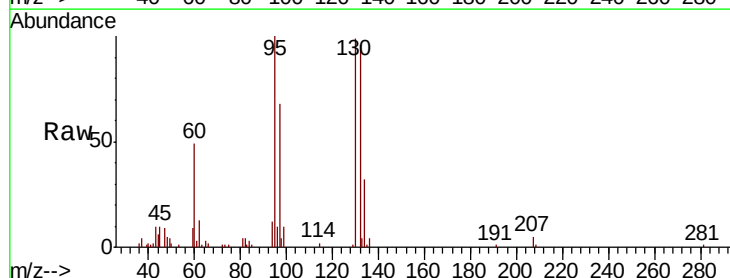
Acq: 20 May 2020 17:08

Tgt Ion:130 Resp: 18579

Ion Ratio Lower Upper

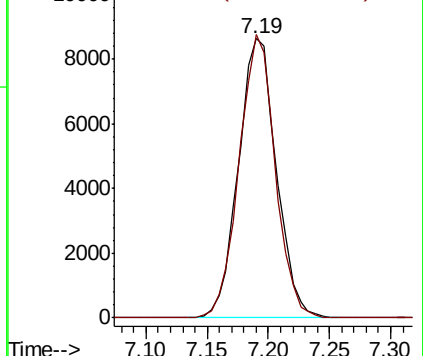
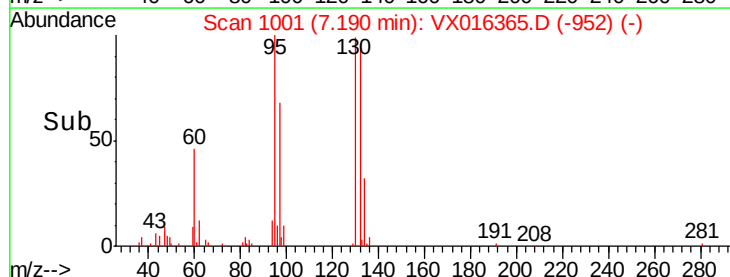
130 100

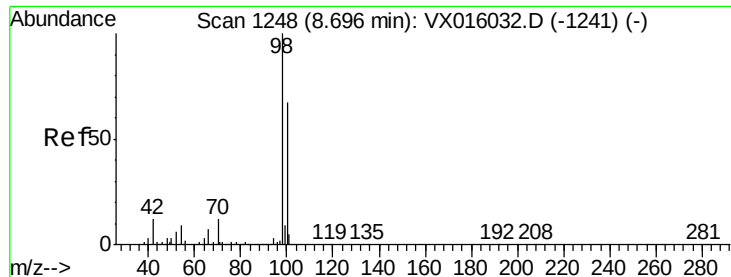
95 101.5 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

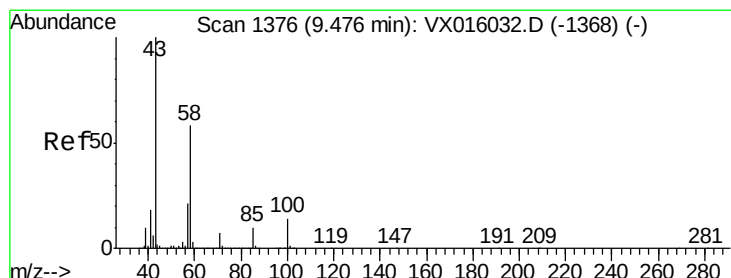
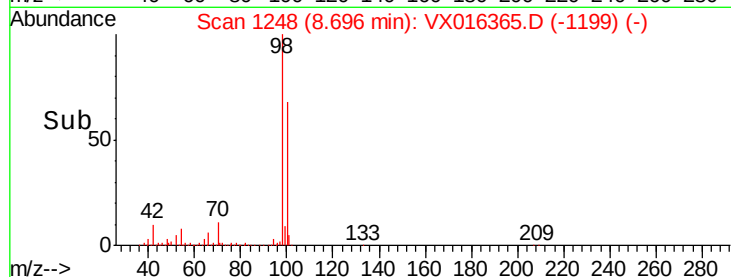
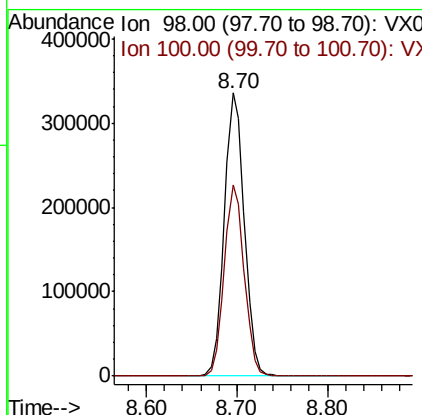
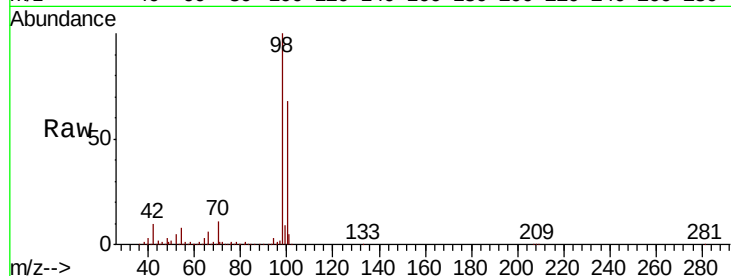




#50
Toluene-d8
Concen: 50.039 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX016365.D
Acq: 20 May 2020 17:08

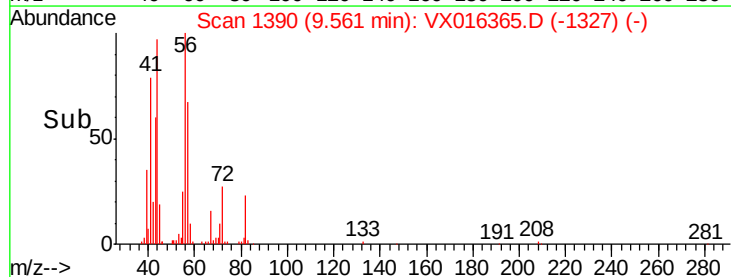
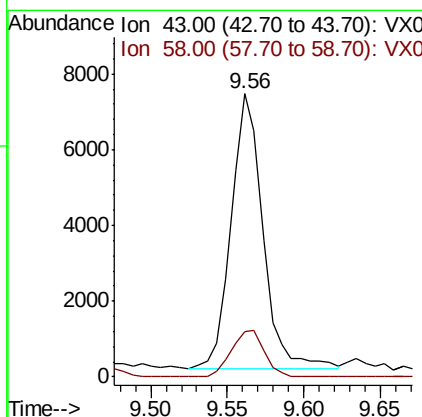
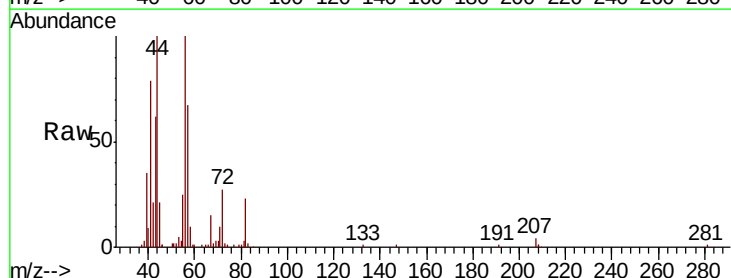
Instrument :
MSVOA_X
ClientSampleId :
S32-0694

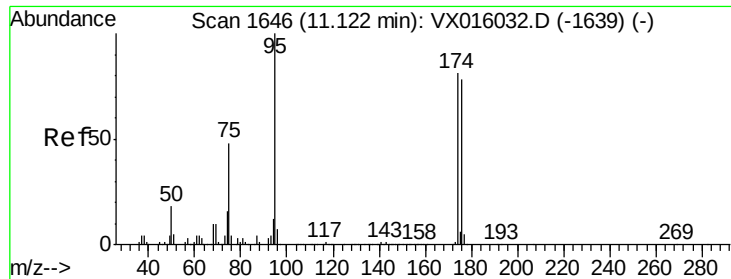
Tot Ion: 98 Resp: 516705
Ion Ratio Lower Upper
98 100
100 67.5 53.7 80.5



#59
2-Hexanone
Concen: 2.813 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. 0.09 min
Lab File: VX016365.D
Acq: 20 May 2020 17:08

Tgt Ion: 43 Resp: 10409
Ion Ratio Lower Upper
43 100
58 17.5 28.6 85.9#

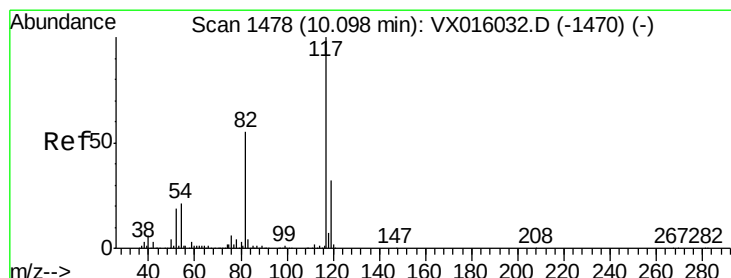
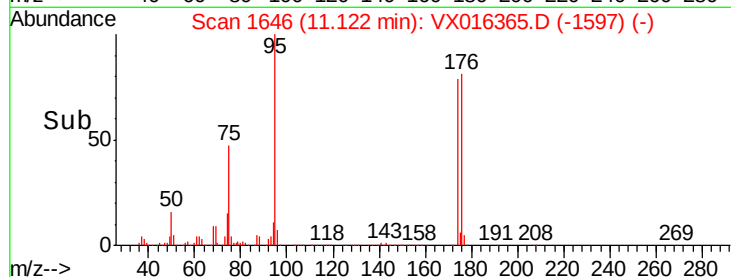
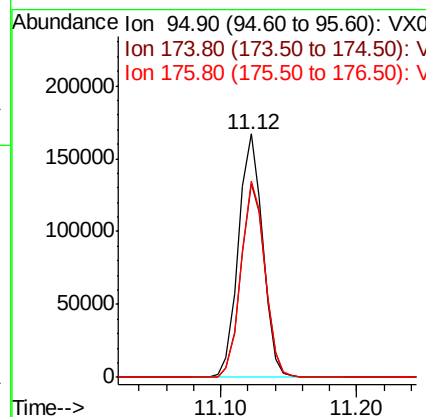
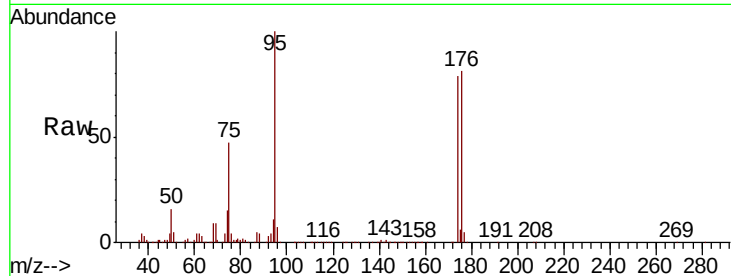




#62
4-Bromofluorobenzene
Concen: 52.454 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016365.D
Acq: 20 May 2020 17:08

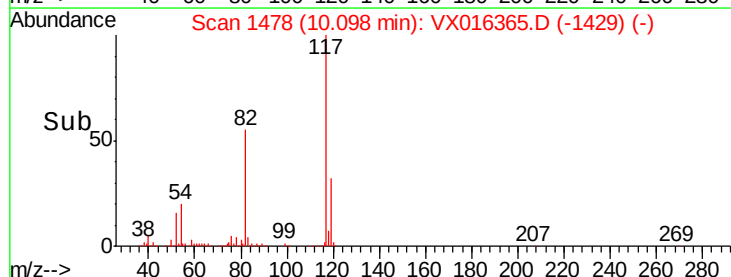
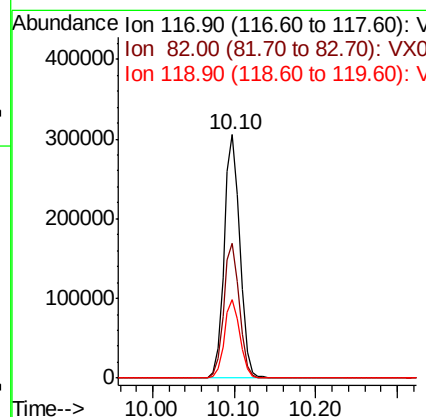
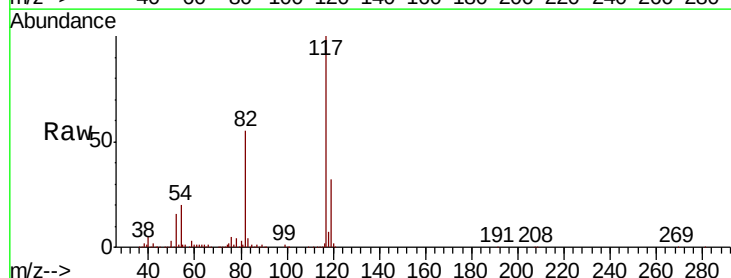
Instrument :
MSVOA_X
ClientSampled :
S32-0694

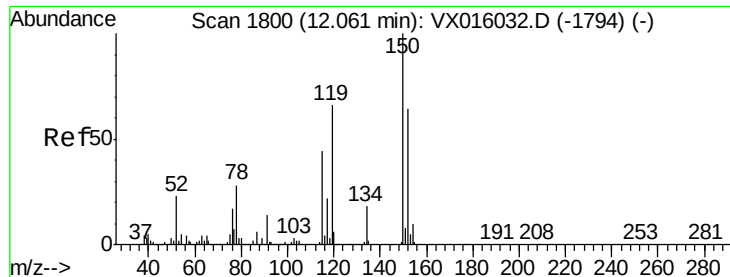
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	159.4
176	79.7	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016365.D
Acq: 20 May 2020 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.4	66.6
119	32.3	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

S32-0694

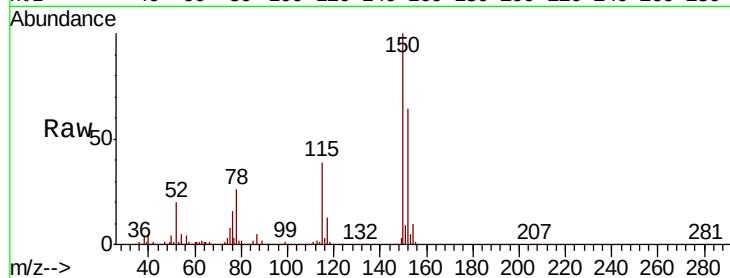
Tot Ion:152 Resp: 201817

Ion Ratio Lower Upper

152 100

115 59.4 41.3 124.1

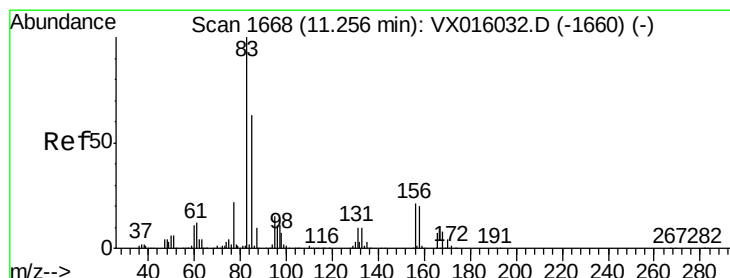
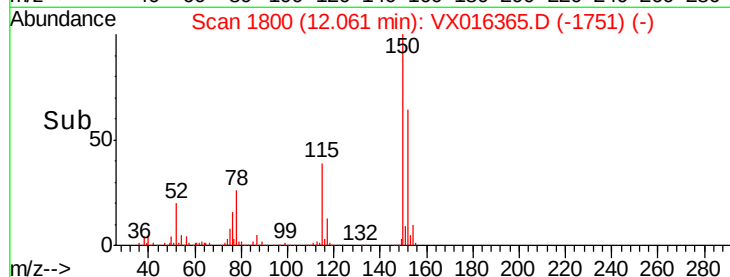
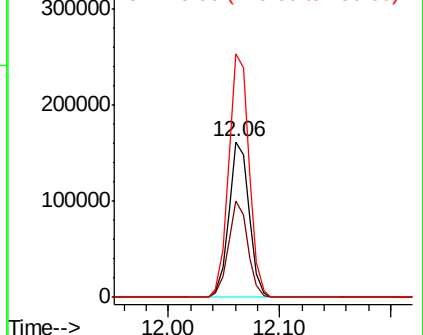
150 158.2 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.089 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

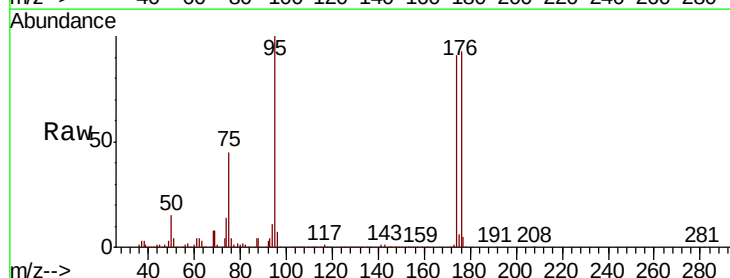
Tgt Ion: 83 Resp: 111

Ion Ratio Lower Upper

83 100

131 278.4 5.1 15.4#

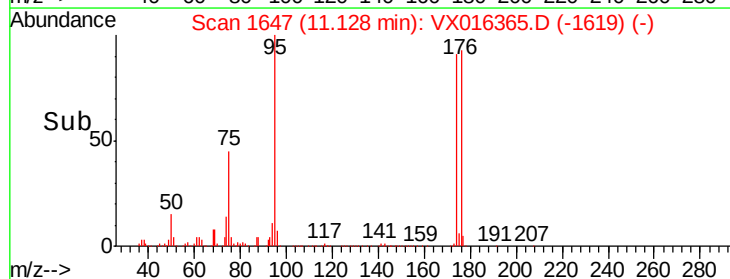
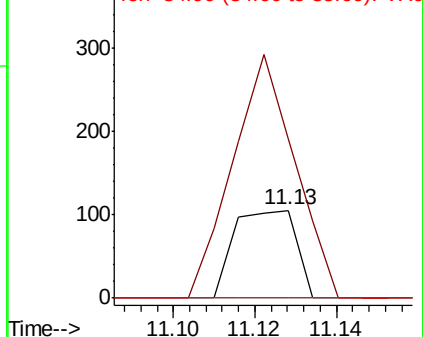
85 0.0 32.0 96.0#

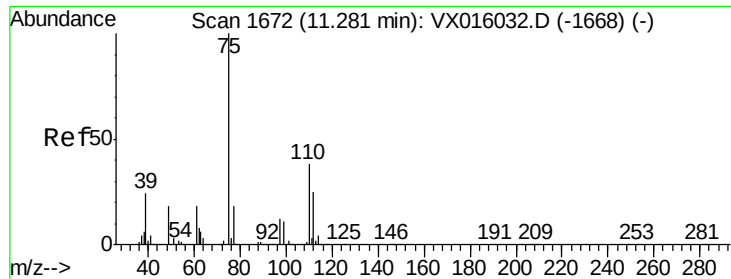


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.418 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Instrument :

MSVOA_X

ClientSampleId :

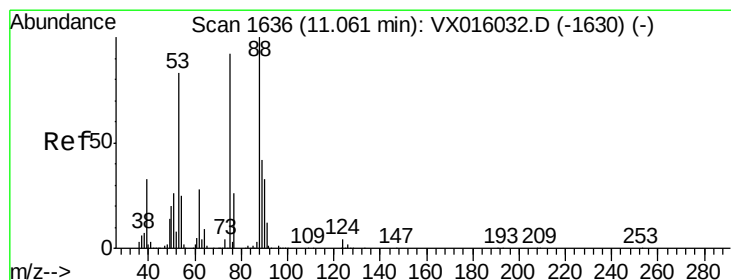
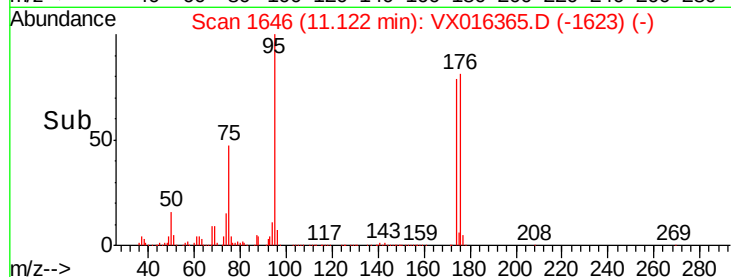
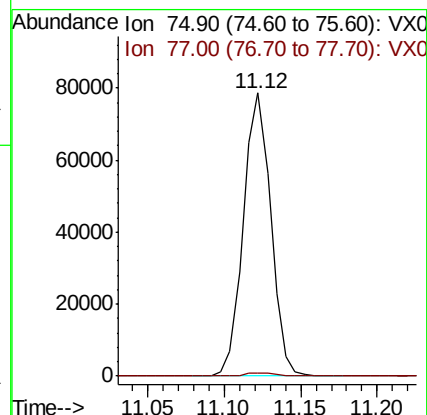
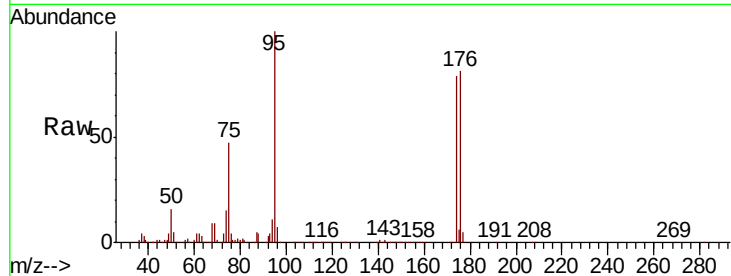
S32-0694

Tot Ion: 75 Resp: 98089

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.041 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016365.D

Acq: 20 May 2020 17:08

Tgt Ion: 75 Resp: 98089

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

