

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052120\
 Data File : VX016393.D
 Acq On : 21 May 2020 18:50
 Operator : JC/SP
 Sample : L2732-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 09:22:42 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	5.63	168	225747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	367324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	374098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	187741	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	129300	43.53	ug/l	0.00
Spiked Amount						
			Recovery	=	87.06%	
35) Dibromofluoromethane	5.47	113	106366	45.71	ug/l	0.00
Spiked Amount						
			Recovery	=	91.42%	
50) Toluene-d8	8.70	98	458047	51.08	ug/l	0.00
Spiked Amount						
			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.12	95	187014	54.83	ug/l	0.00
Spiked Amount						
			Recovery	=	109.66%	

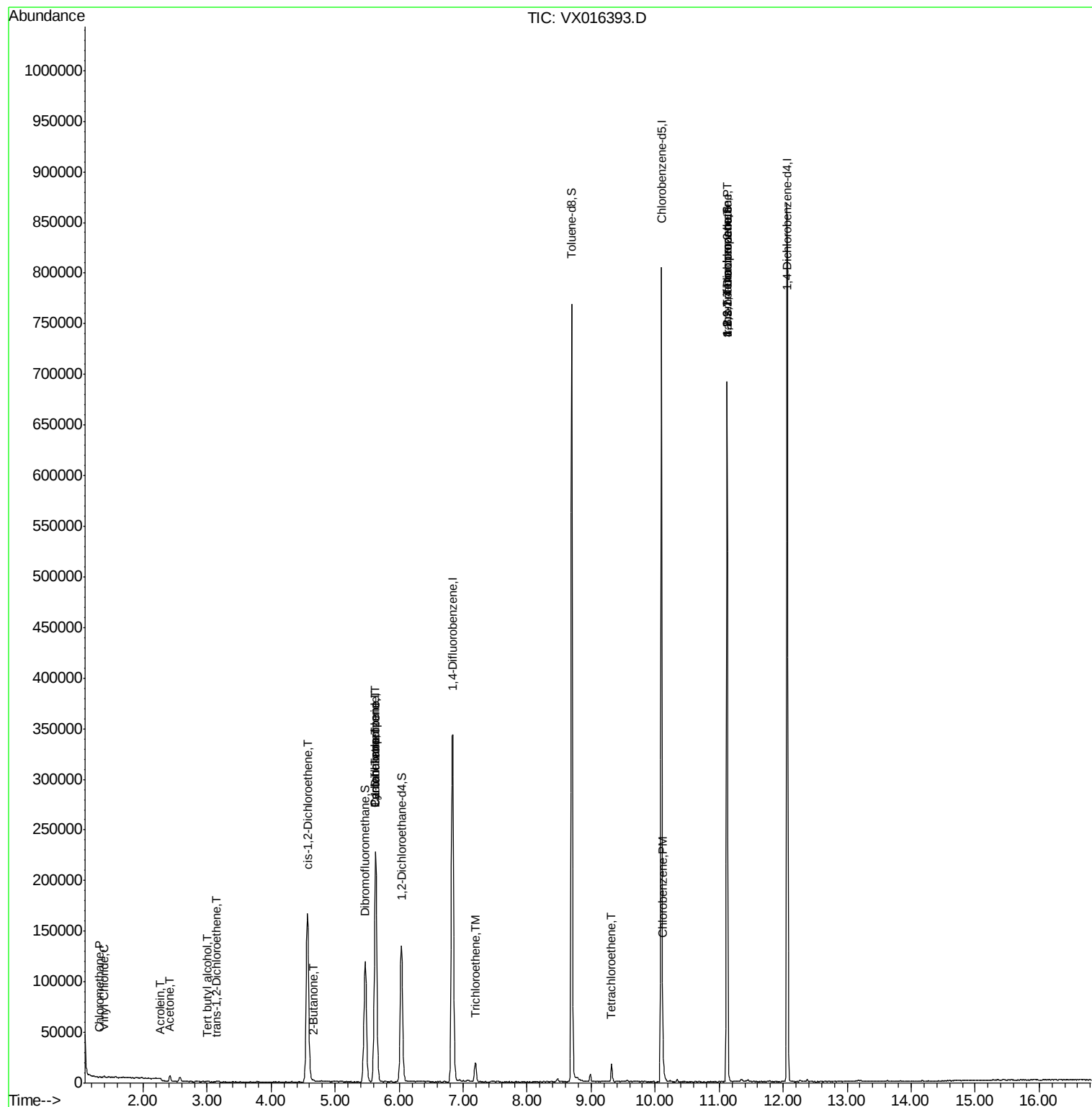
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	836	0.301	ug/l	98
4) Vinyl Chloride	1.39	62	841	0.284	ug/l	99
11) Tert butyl alcohol	3.01	59	613	0.816	ug/l #	72
13) Acrolein	2.28	56	152	0.323	ug/l #	18
16) Acetone	2.42	43	5706	4.305	ug/l	98
17) Carbon Disulfide	2.56	76	687	Below Cal	#	58
21) trans-1,2-Dichloroethene	3.15	96	527	0.202	ug/l #	50
25) 2-Butanone	4.66	43	465	0.218	ug/l #	48
27) cis-1,2-Dichloroethene	4.57	96	112203	39.247	ug/l	85
31) Cyclohexane	5.63	56	3702	0.897	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15501	4.287	ug/l #	49
38) Carbon Tetrachloride	5.63	117	21680	5.899	ug/l #	14
44) Trichloroethene	7.19	130	7333	1.951	ug/l	90
64) Tetrachloroethene	9.32	164	3583	0.780	ug/l	93
65) Chlorobenzene	10.12	112	7346	0.938	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.12	83	92	2.085	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	88722	20.825	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	88722	49.629	ug/l #	13

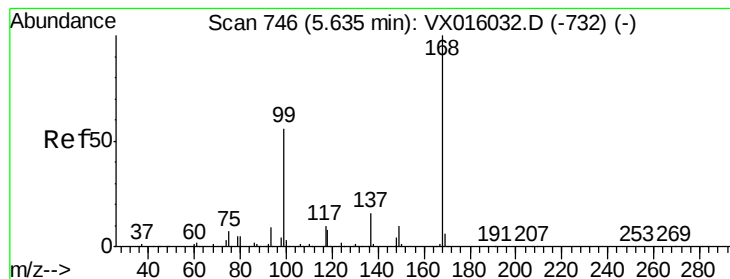
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

Instrument :

MSVOA_X

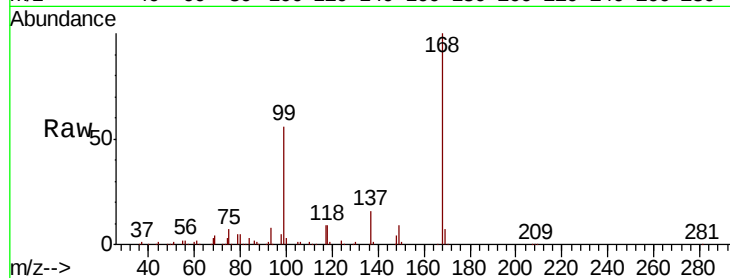
ClientSampled :

Tot Ion:168 Resp: 225747

Ion Ratio Lower Upper

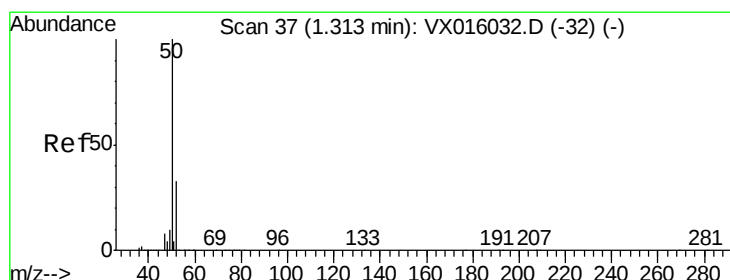
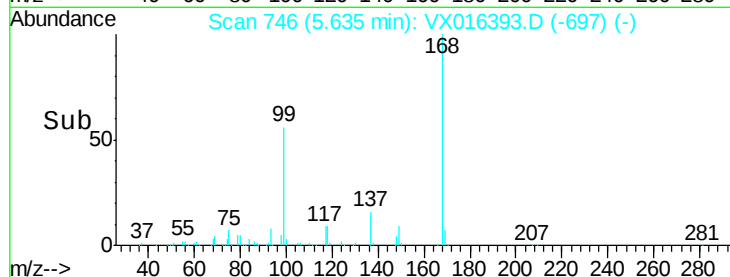
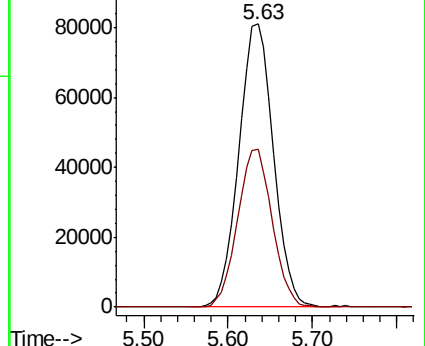
168 100

99 55.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.301 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016393.D

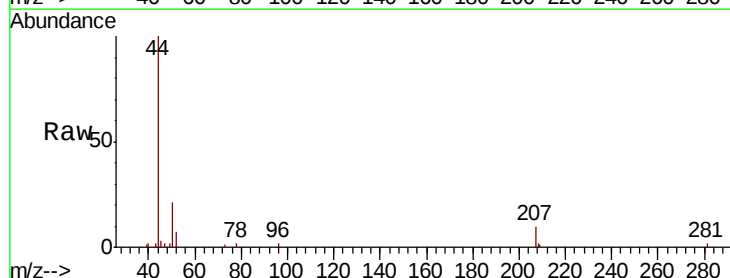
Acq: 21 May 2020 18:50

Tgt Ion: 50 Resp: 836

Ion Ratio Lower Upper

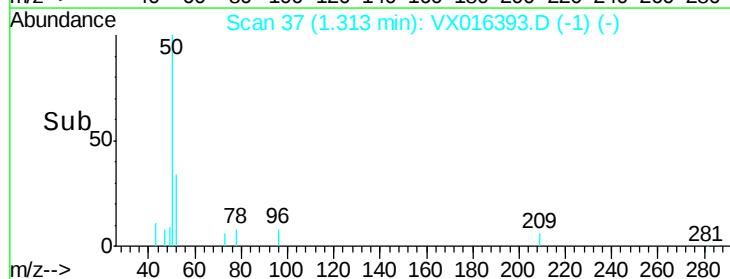
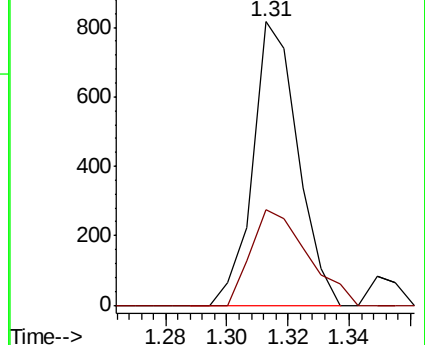
50 100

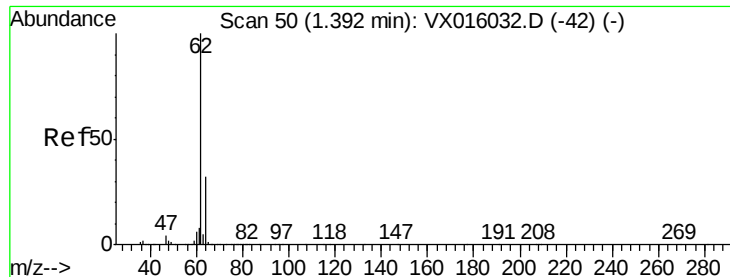
52 33.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.284 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

Instrument :

MSVOA_X

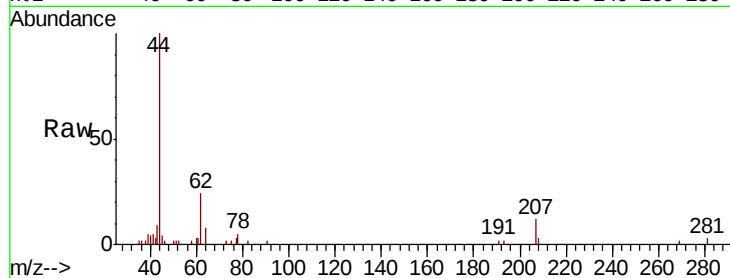
ClientSampled :

Tot Ion: 62 Resp: 841

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

800

600

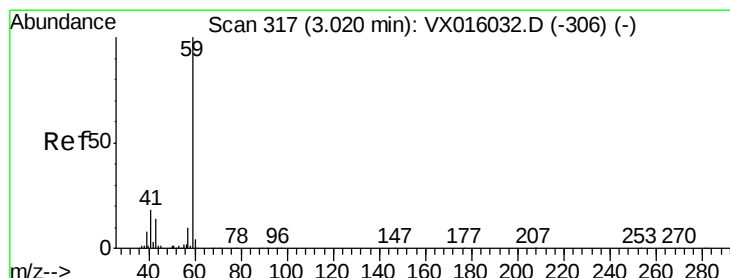
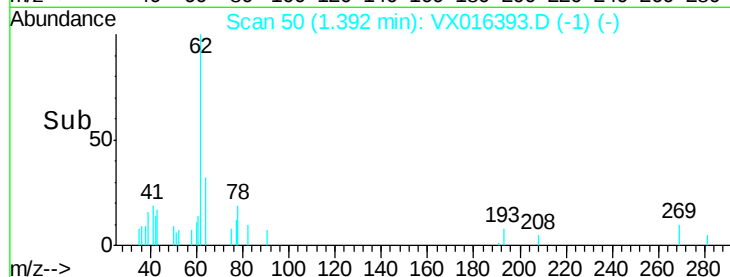
400

200

0

1.36 1.38 1.40 1.42 1.44

Time-->



#11

Tert butyl alcohol

Concen: 0.816 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016393.D

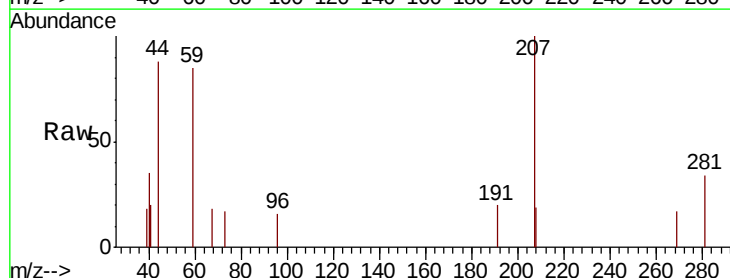
Acq: 21 May 2020 18:50

Tgt Ion: 59 Resp: 613

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

300

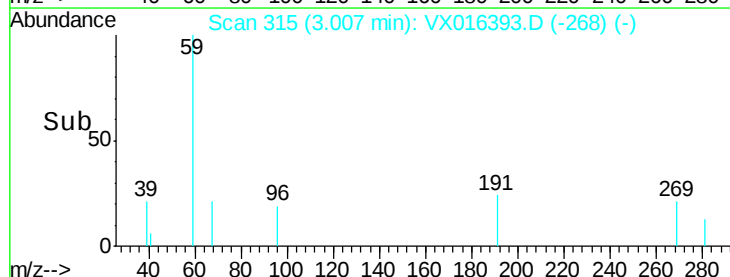
200

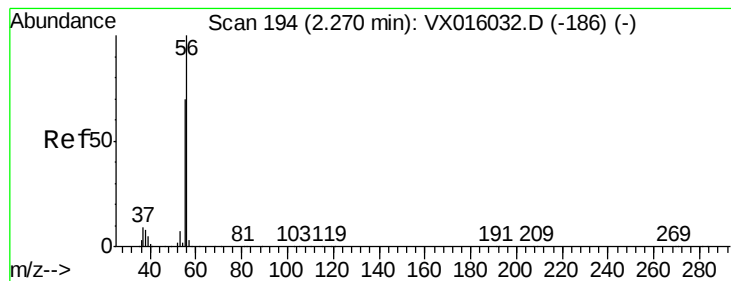
100

0

2.95 3.00 3.05

Time-->





#13

Acrolein

Concen: 0.323 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

Instrument :

MSVOA_X

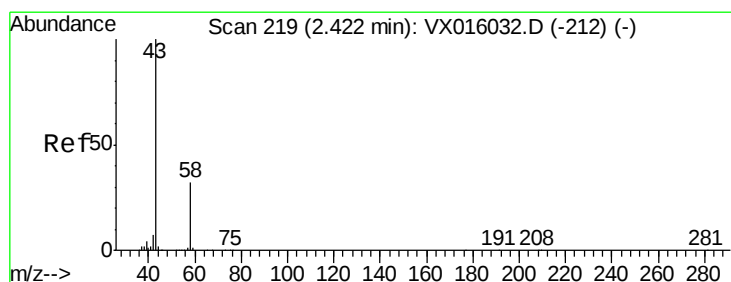
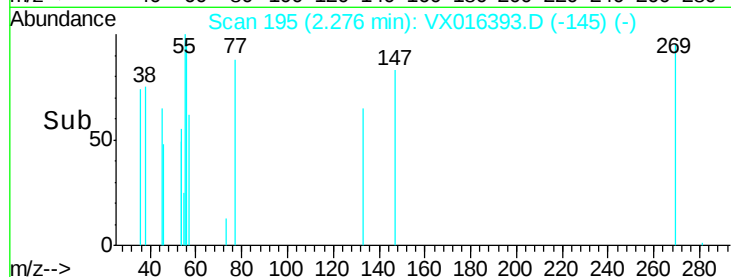
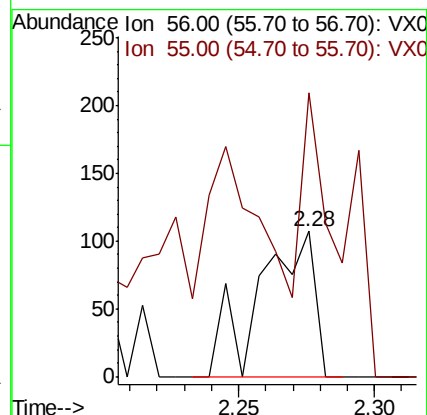
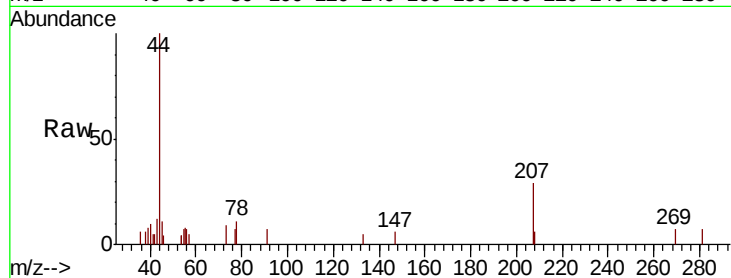
ClientSampleId :

Tot Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 138.2 56.5 84.7#



#16

Acetone

Concen: 4.305 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016393.D

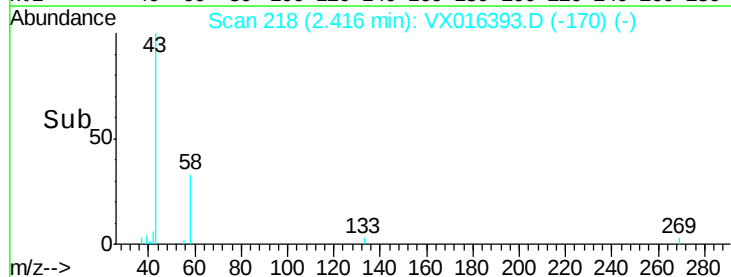
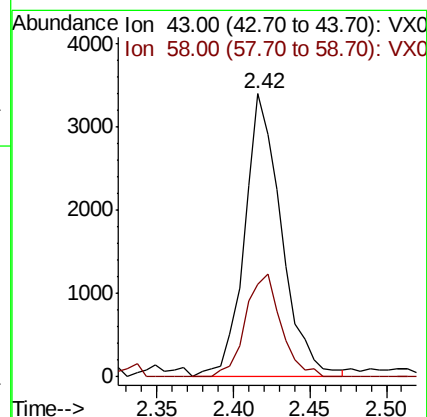
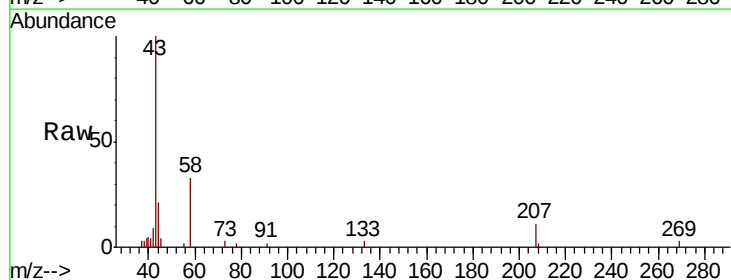
Acq: 21 May 2020 18:50

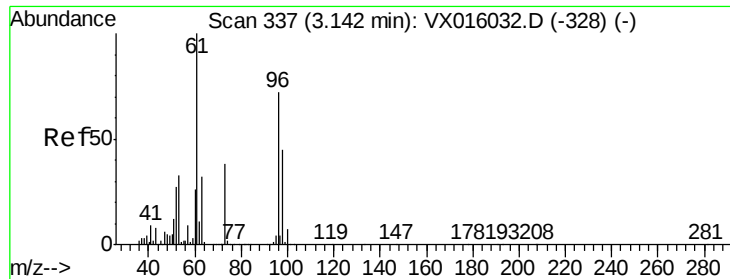
Tgt Ion: 43 Resp: 5706

Ion Ratio Lower Upper

43 100

58 32.8 25.4 38.0





#21

trans-1,2-Dichloroethene

Concen: 0.202 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

Instrument :

MSVOA_X

ClientSampled :

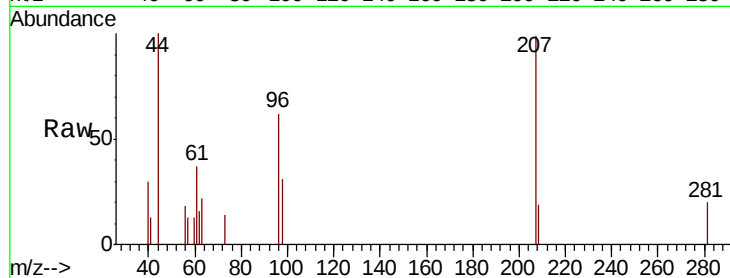
Tot Ion: 96 Resp: 527

Ion Ratio Lower Upper

96 100

61 59.6 111.2 166.8#

98 49.6 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

3.15

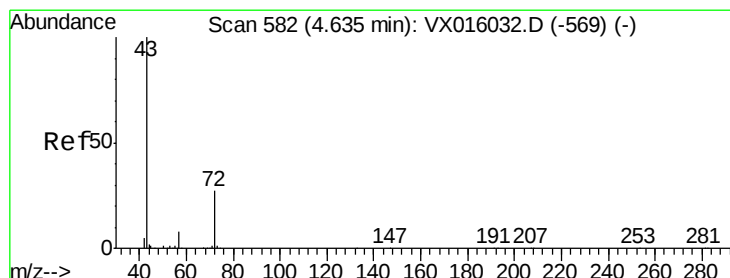
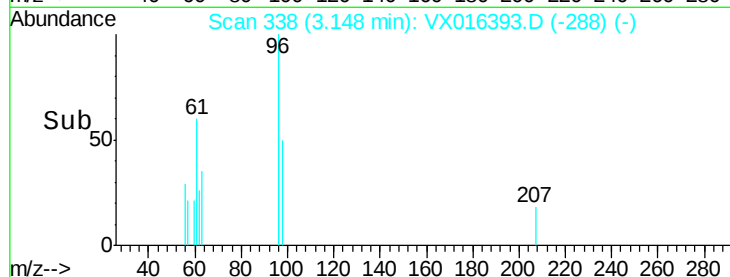
200

100

0

3.10 3.15 3.20

Time-->



#25

2-Butanone

Concen: 0.218 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX016393.D

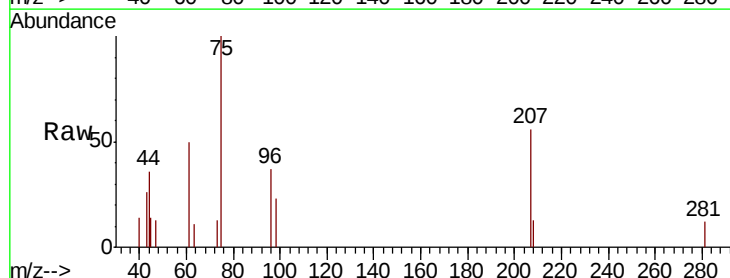
Acq: 21 May 2020 18:50

Tgt Ion: 43 Resp: 465

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300

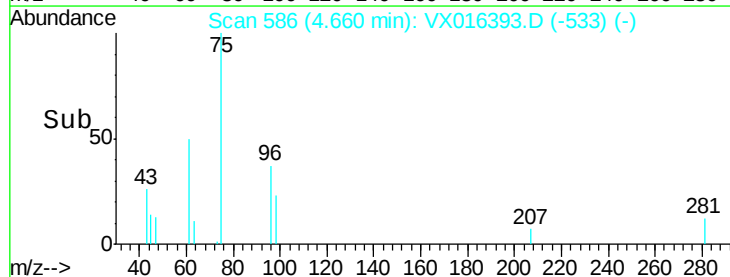
200

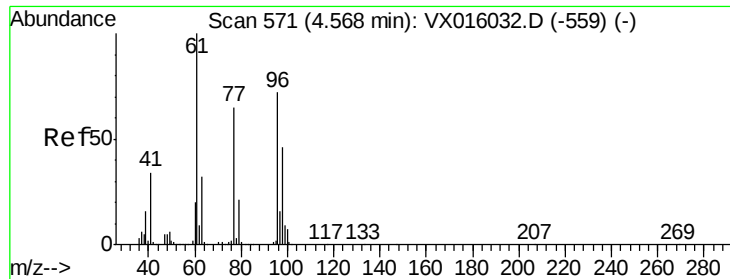
100

0

4.60 4.65 4.70

Time-->



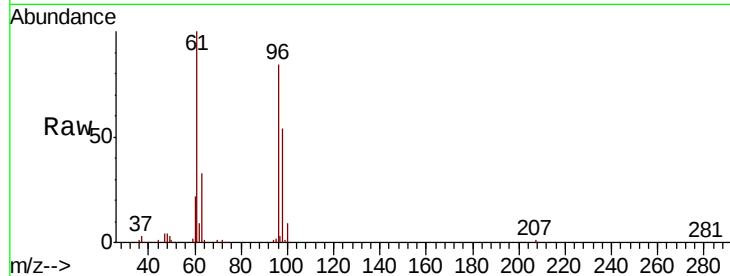


#27

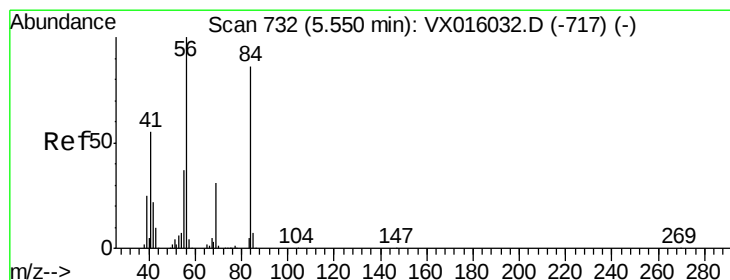
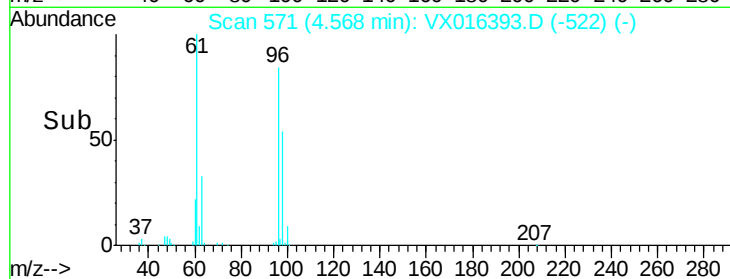
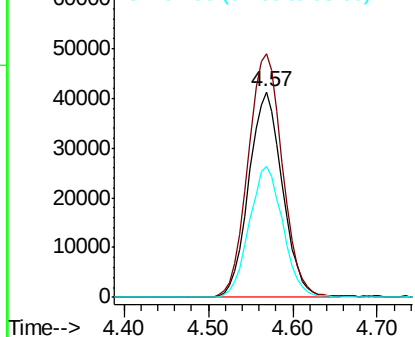
cis-1,2-Dichloroethene
Concen: 39.247 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016393.D
Acq: 21 May 2020 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.6	0.0	296.2
98	63.8	0.0	129.4



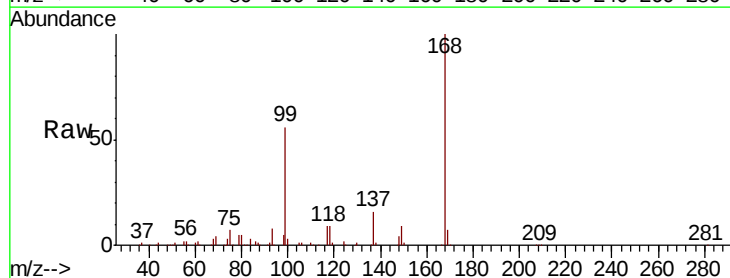
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



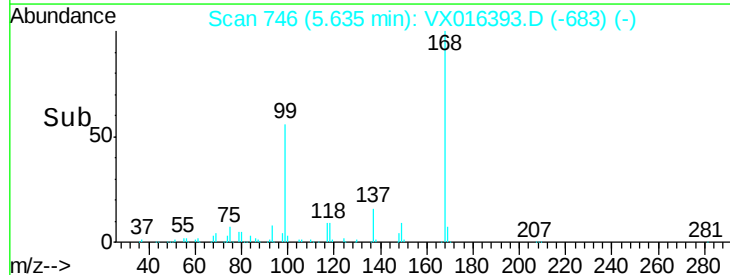
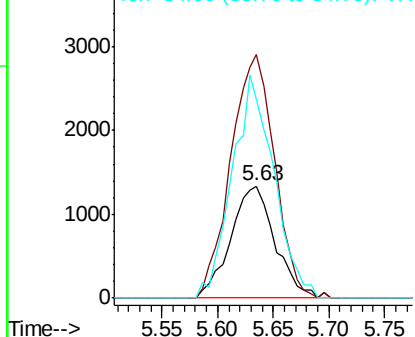
#31

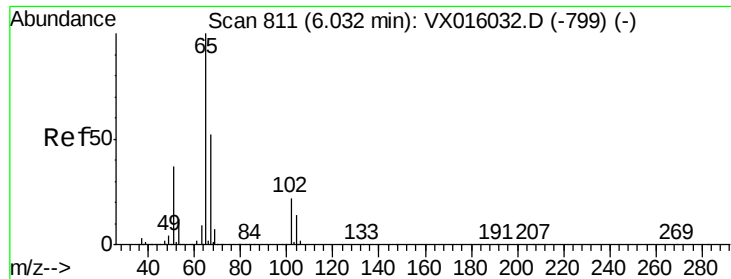
Cyclohexane
Concen: 0.897 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016393.D
Acq: 21 May 2020 18:50

Tgt Ion	Ratio	Lower	Upper
56	100		
69	217.4	25.0	37.6#
84	177.1	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: 43.527 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

Instrument :

MSVOA_X

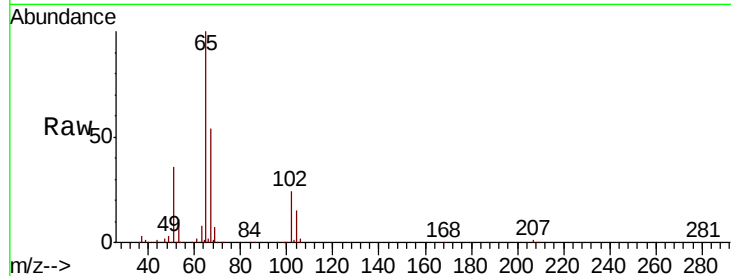
ClientSampleId :

Tot Ion: 65 Resp: 129300

Ion Ratio Lower Upper

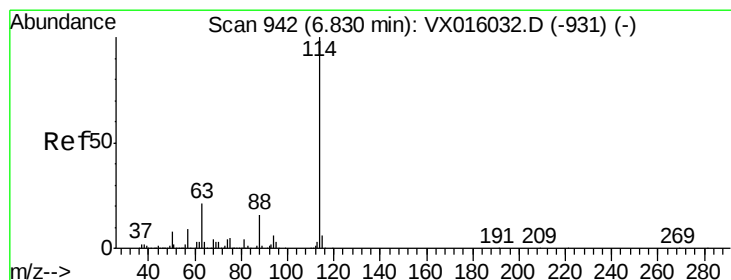
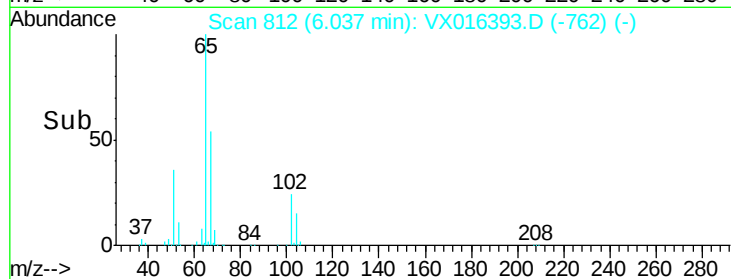
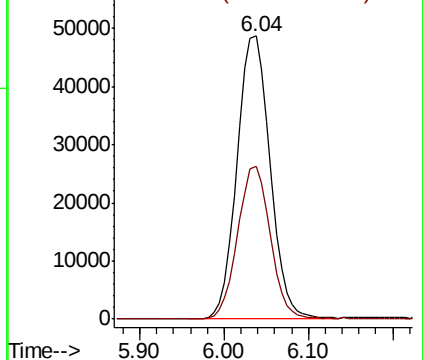
65 100

67 53.2 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: VX016393.D

Acq: 21 May 2020 18:50

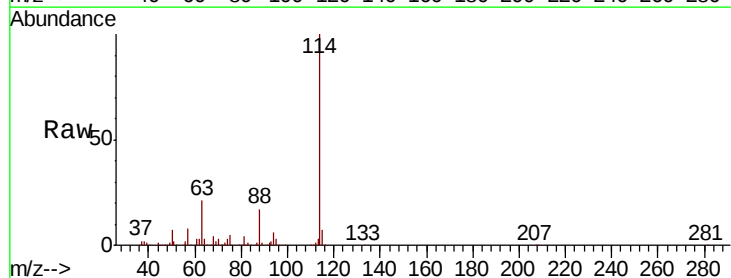
Tgt Ion: 114 Resp: 367324

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

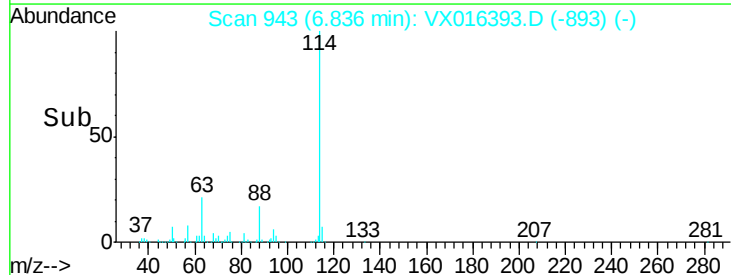
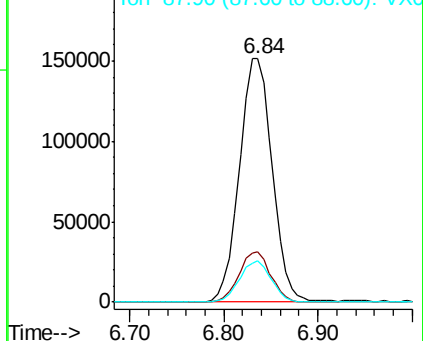
88 16.9 0.0 31.4

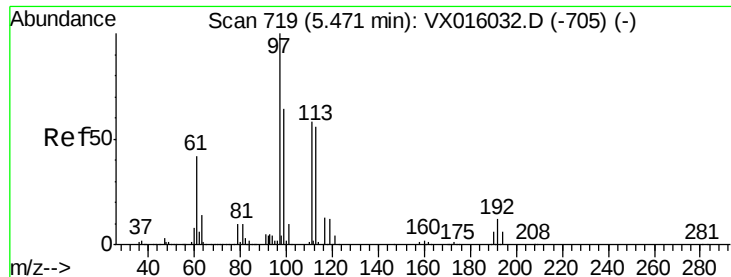


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

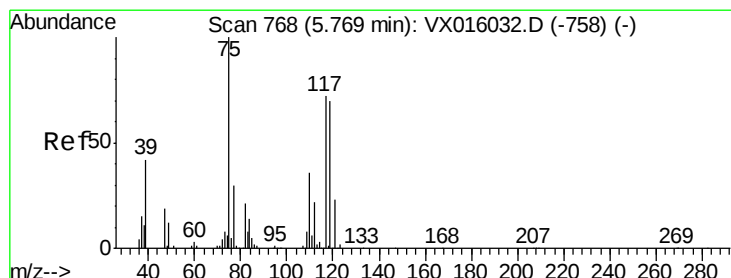
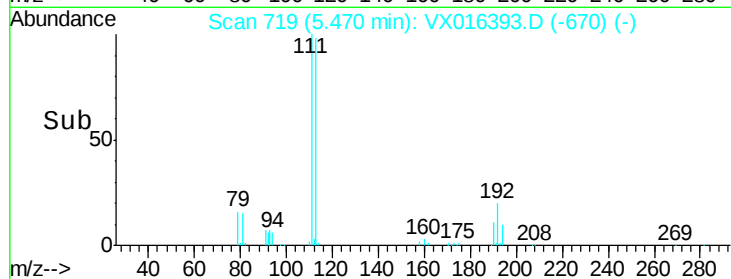
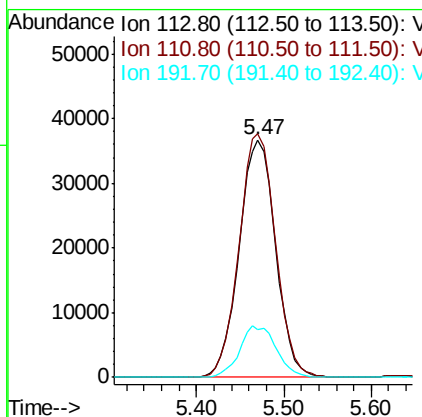
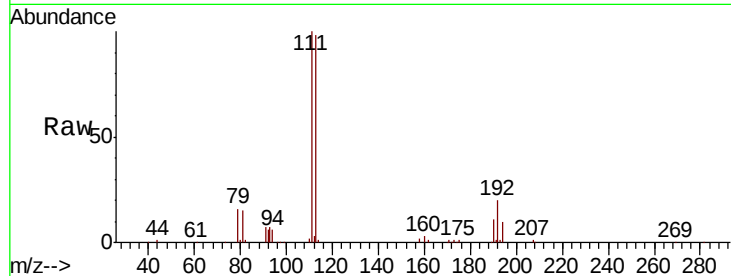




#35
 Dibromofluoromethane
 Concen: 45.706 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016393.D
 Acq: 21 May 2020 18:50

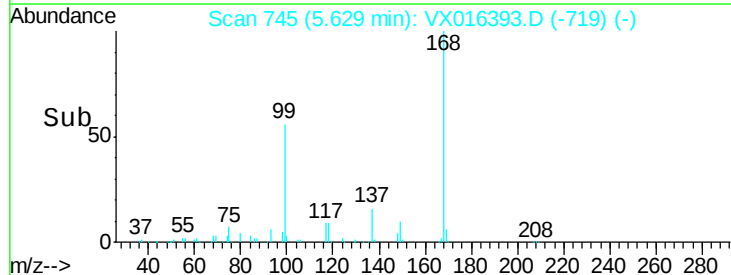
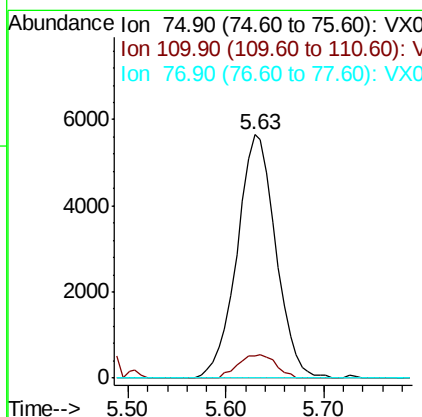
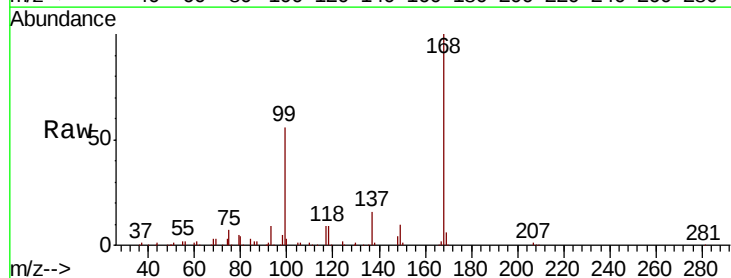
Instrument :
 MSVOA_X
 ClientSampleId :

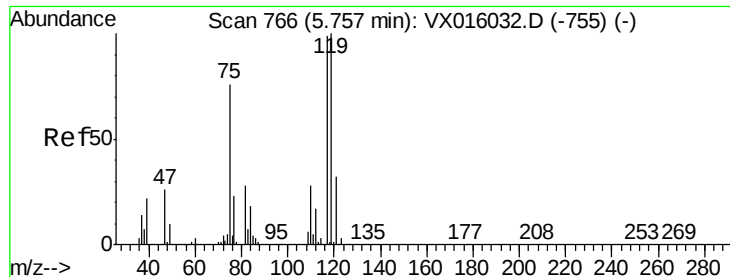
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	21.8	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.287 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016393.D
 Acq: 21 May 2020 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

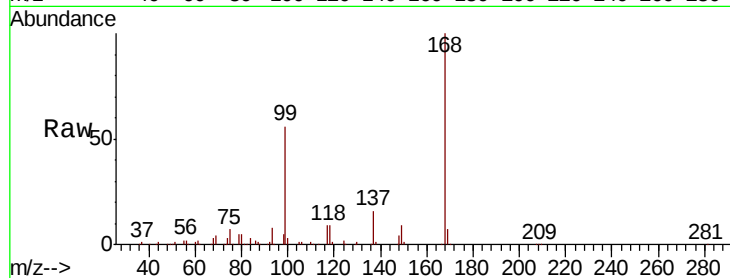
Tot Ion:117 Resp: 21680

Ion Ratio Lower Upper

117 100

119 5.3 80.3 120.5#

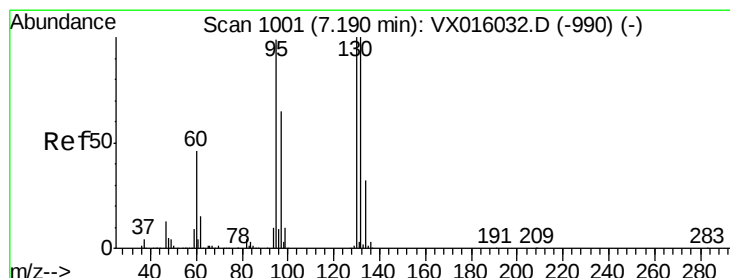
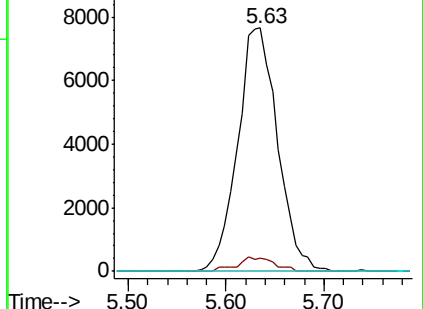
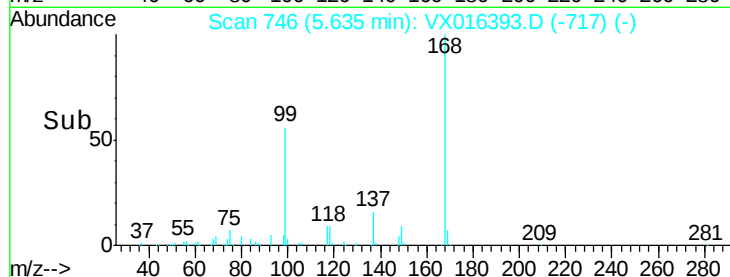
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 1.951 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016393.D

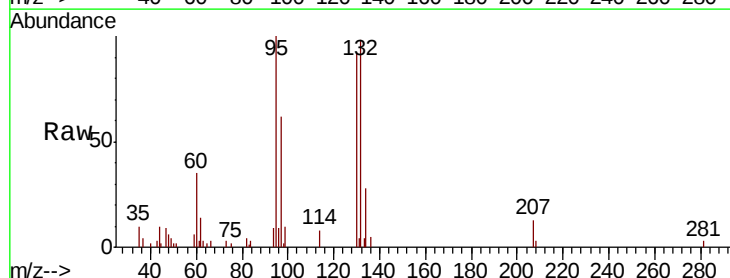
Acq: 21 May 2020 18:50

Tgt Ion:130 Resp: 7333

Ion Ratio Lower Upper

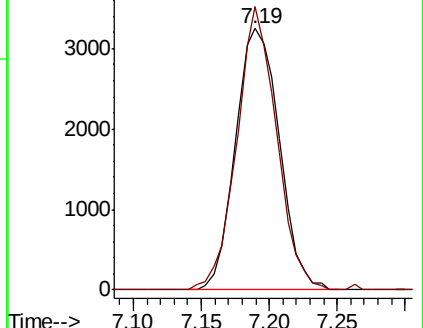
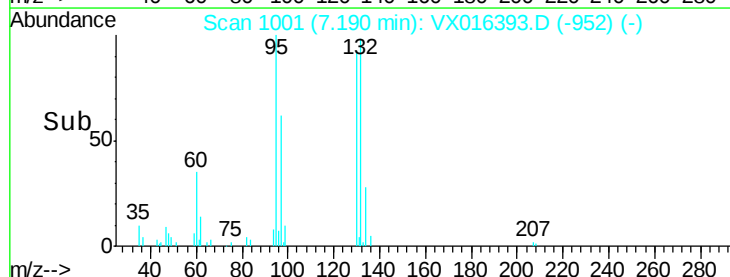
130 100

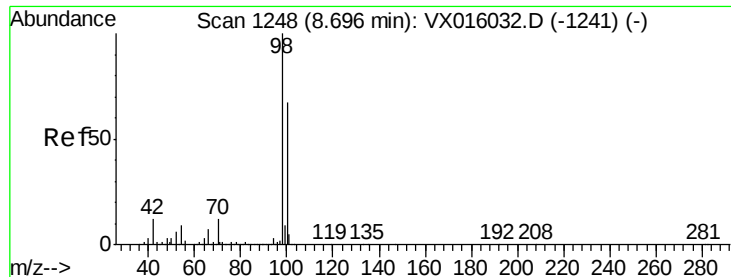
95 108.2 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.083 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

Instrument :

MSVOA_X

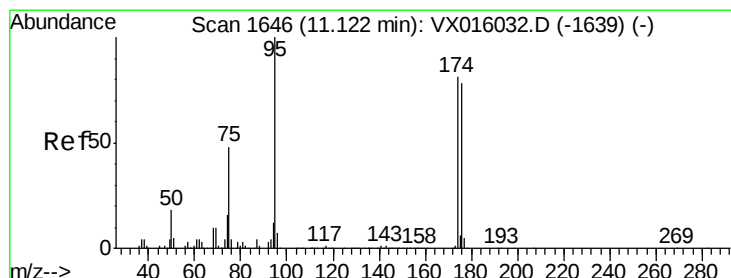
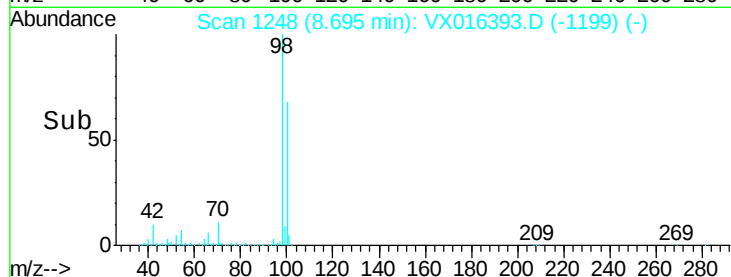
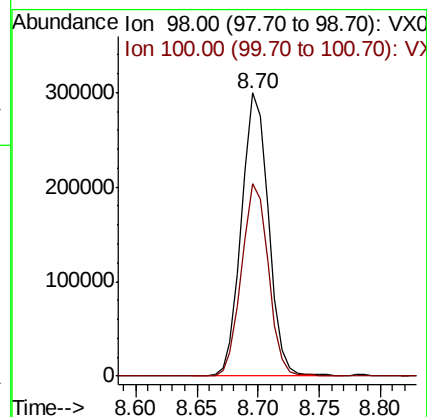
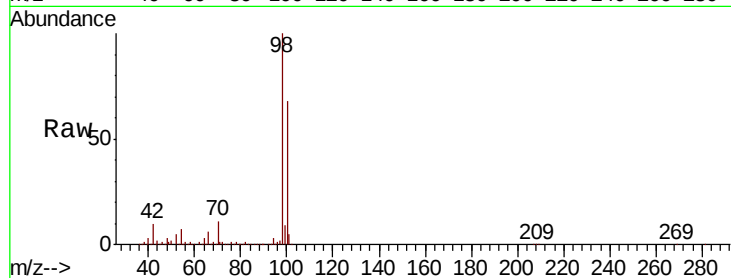
ClientSampleId :

Tot Ion: 98 Resp: 458047

Ion Ratio Lower Upper

98 100

100 68.3 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 54.835 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

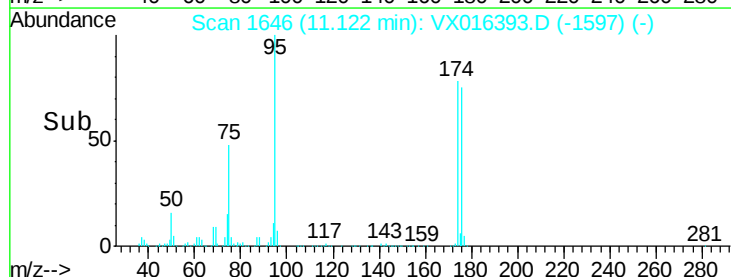
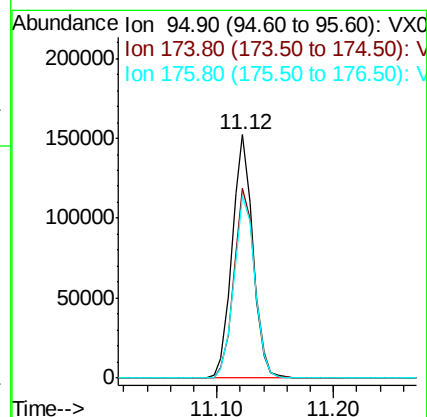
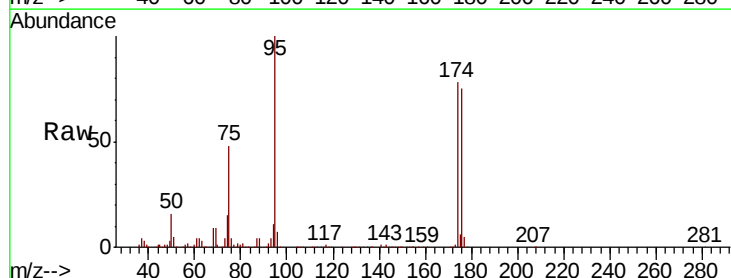
Tgt Ion: 95 Resp: 187014

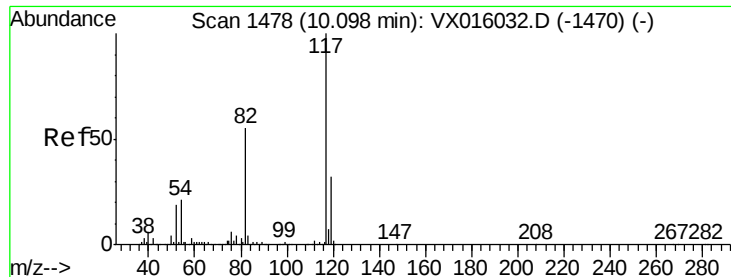
Ion Ratio Lower Upper

95 100

174 79.1 0.0 159.4

176 76.8 0.0 157.6

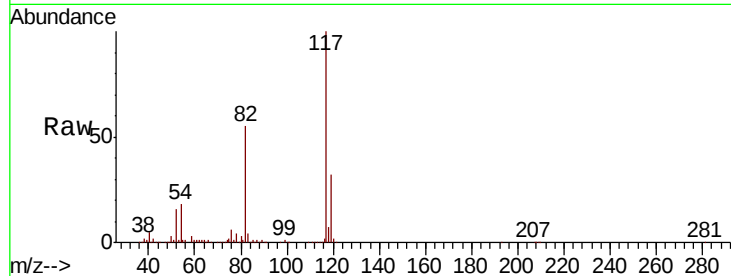




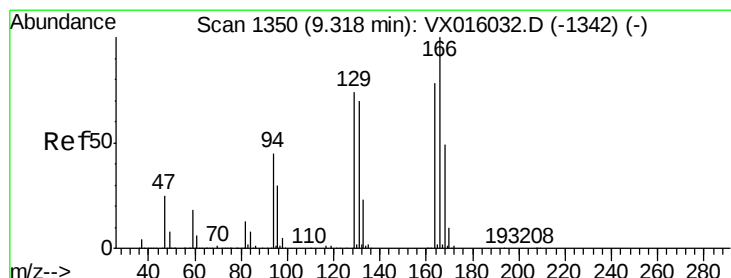
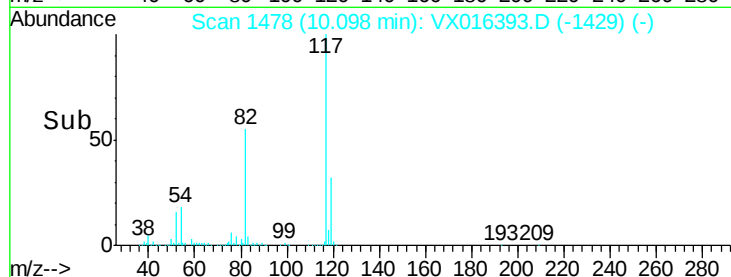
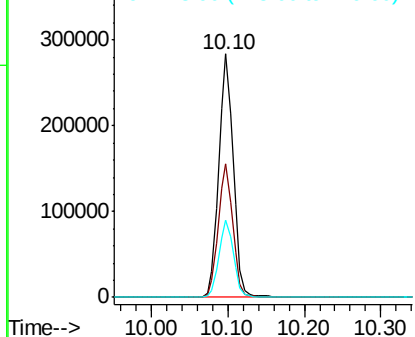
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016393.D
Acq: 21 May 2020 18:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 374098
Ion Ratio Lower Upper
117 100
82 54.7 44.4 66.6
119 31.8 25.5 38.3

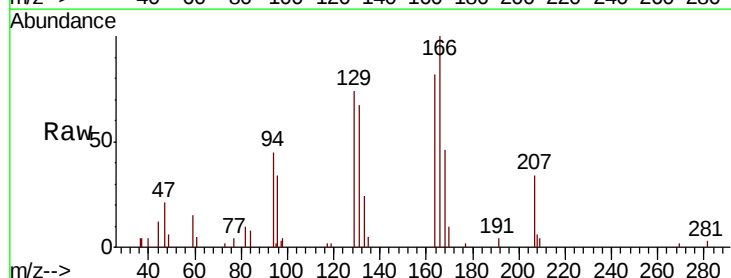


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

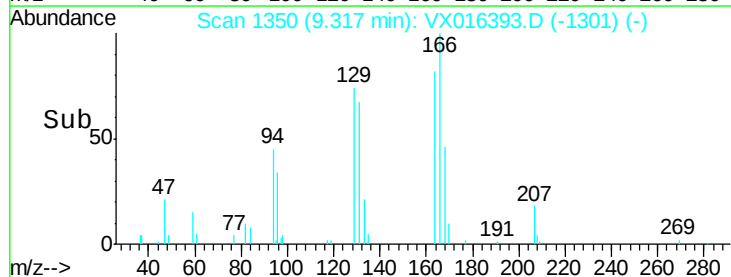
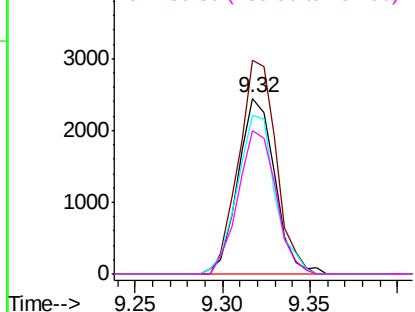


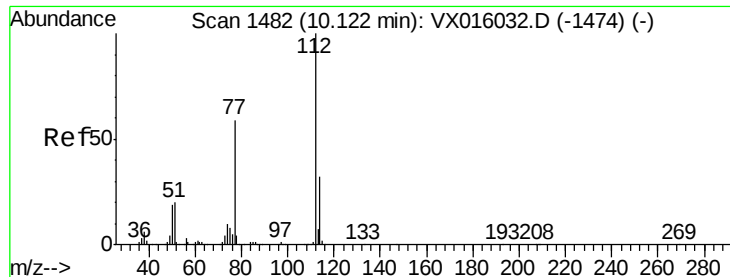
#64
Tetrachloroethene
Concen: 0.780 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016393.D
Acq: 21 May 2020 18:50

Tgt Ion:164 Resp: 3583
Ion Ratio Lower Upper
164 100
166 121.6 102.9 154.3
129 90.6 76.1 114.1
131 81.3 71.9 107.9



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

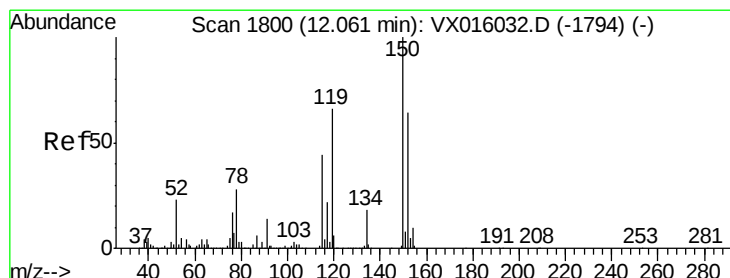
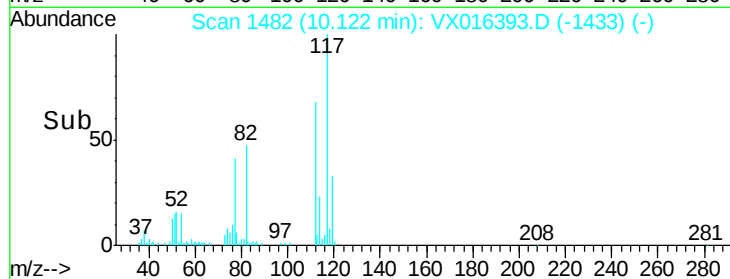
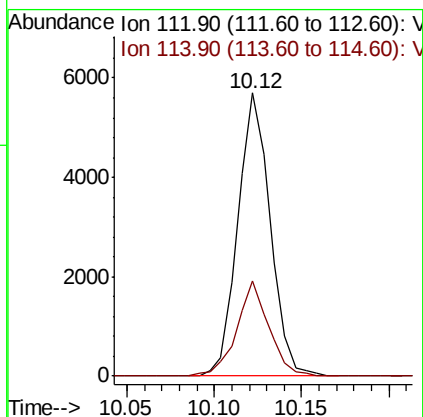
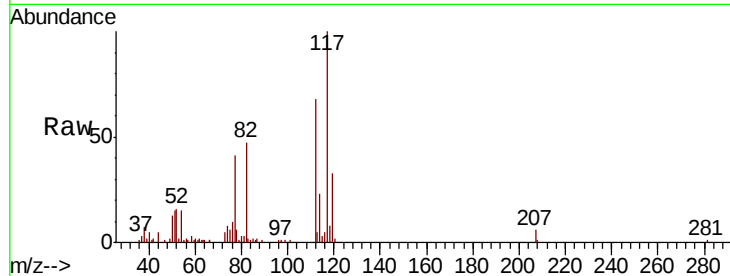




#65
Chlorobenzene
Concen: 0.938 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016393.D
Acq: 21 May 2020 18:50

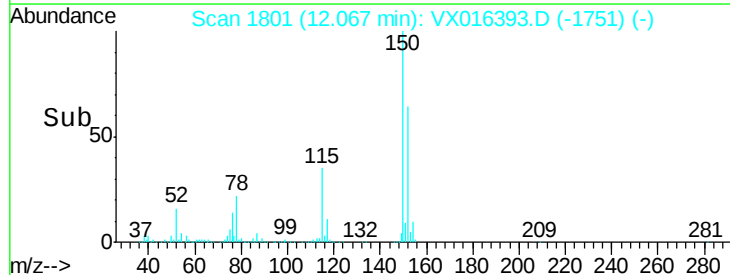
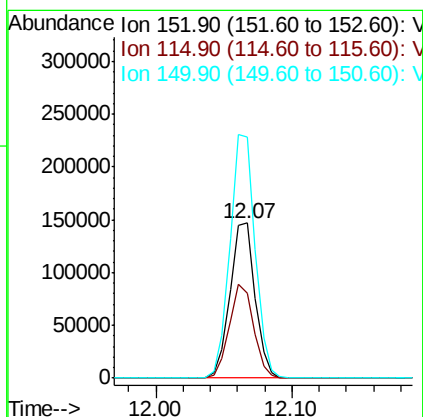
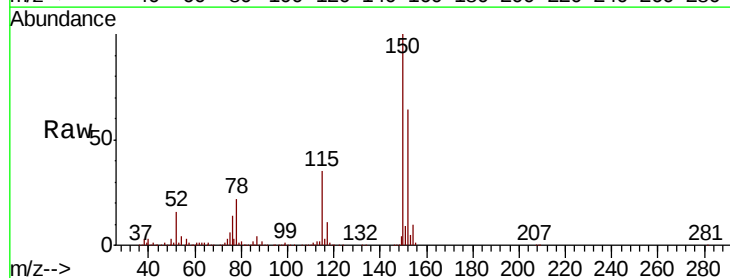
Instrument :
MSVOA_X
ClientSampleId :

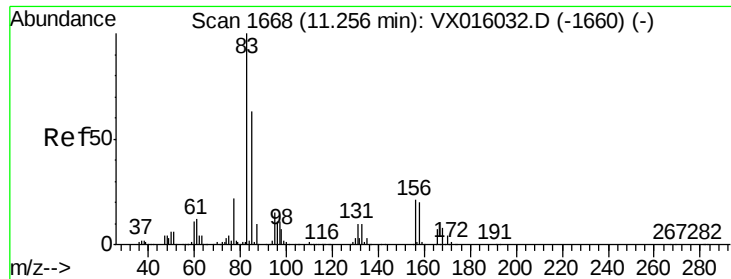
Tot Ion:112 Resp: 7346
Ion Ratio Lower Upper
112 100
114 33.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016393.D
Acq: 21 May 2020 18:50

Tgt Ion:152 Resp: 187741
Ion Ratio Lower Upper
152 100
115 59.1 41.3 124.1
150 158.0 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.085 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016393.D

Acq: 21 May 2020 18:50

Instrument :

MSVOA_X

ClientSampleId :

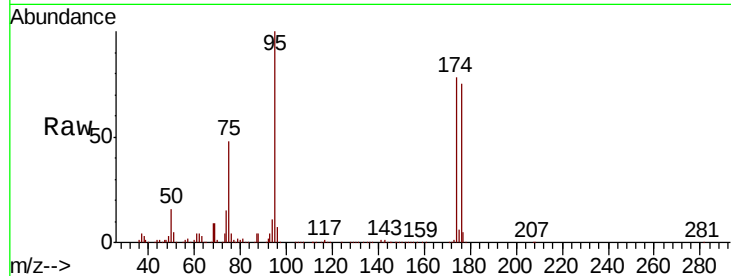
Tot Ion: 83 Resp: 92

Ion Ratio Lower Upper

83 100

131 272.8 5.1 15.4#

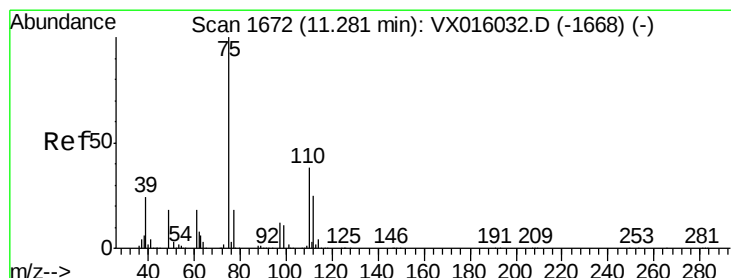
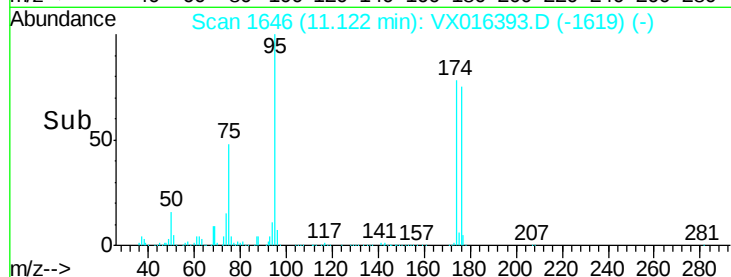
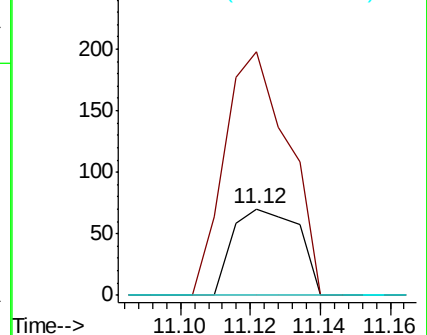
85 0.0 32.0 96.0#



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: 20.825 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016393.D

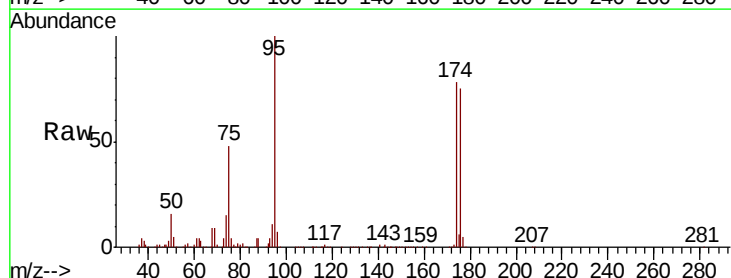
Acq: 21 May 2020 18:50

Tgt Ion: 75 Resp: 88722

Ion Ratio Lower Upper

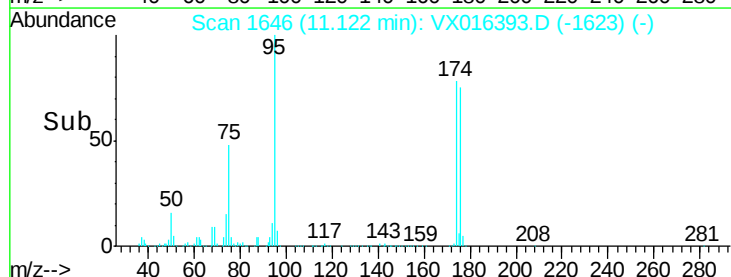
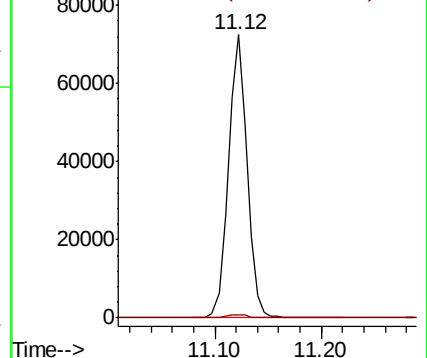
75 100

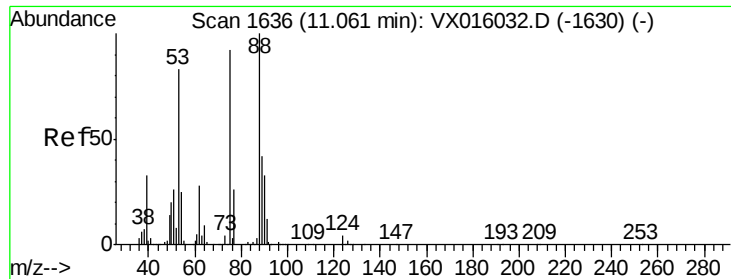
77 1.3 21.2 63.6#



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: 49.629 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016393.D
 Acq: 21 May 2020 18:50

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 88722
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.1 36.7 55.1#

