

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016285.D
 Acq On : 15 May 2020 16:56
 Operator : JC/SP
 Sample : L2649-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0686

Quant Time: May 16 06:45:16 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	235191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	391282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	382872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	197489	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	144871	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	5.47	113	117923	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	8.70	98	482727	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
62) 4-Bromofluorobenzene	11.12	95	192994	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	

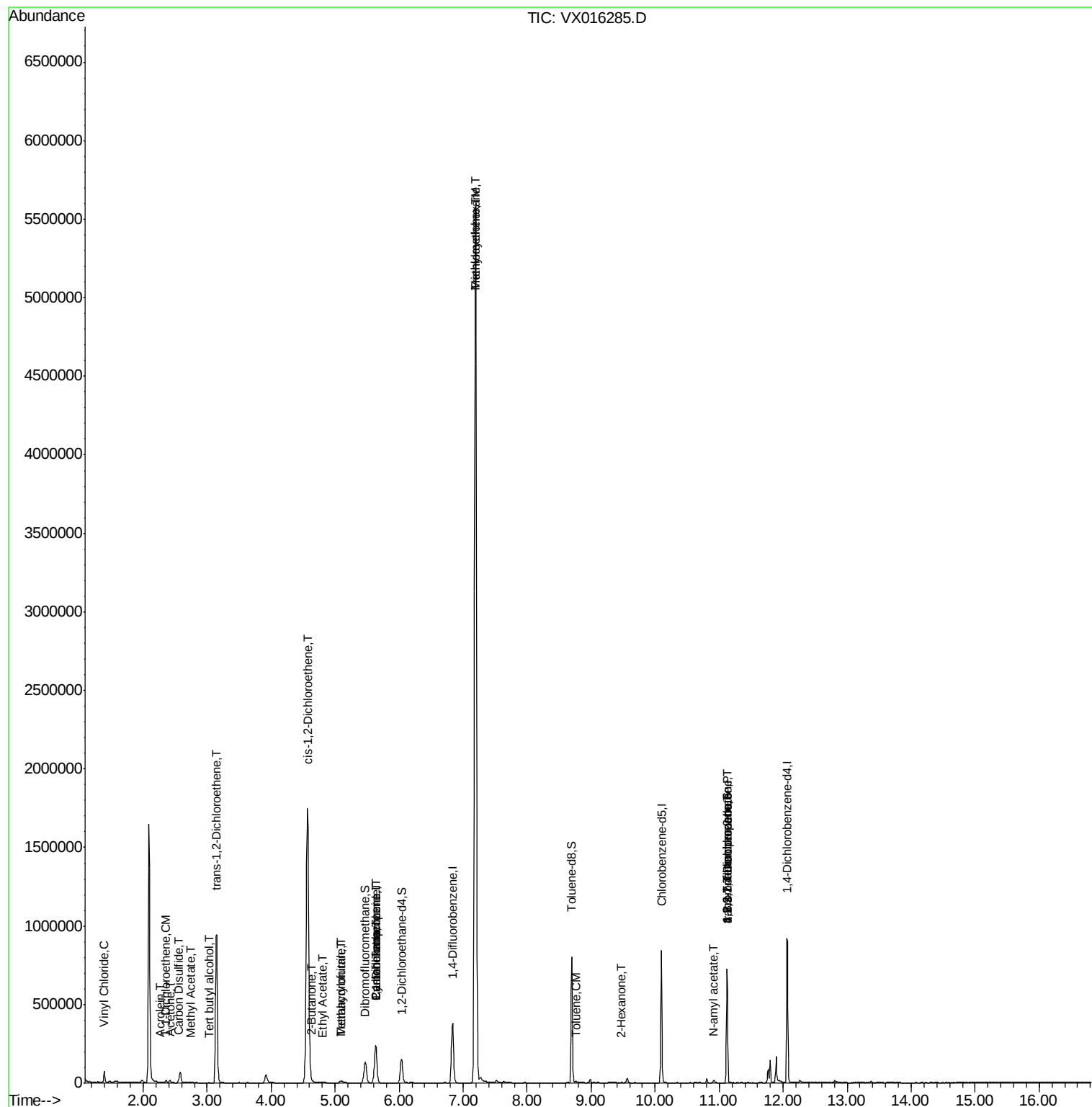
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	37407	12.128	ug/l	98
11) Tert butyl alcohol	3.02	59	955	1.220	ug/l #	87
12) 1,1-Dichloroethene	2.36	96	4490	1.837	ug/l	96
13) Acrolein	2.28	56	369	0.753	ug/l #	61
16) Acetone	2.42	43	14066	10.186	ug/l	91
17) Carbon Disulfide	2.55	76	16994	2.116	ug/l	97
18) Methyl Acetate	2.75	43	1585	0.467	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	404732	148.555	ug/l	97
25) 2-Butanone	4.64	43	11518	5.176	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	1132419	380.198	ug/l	87
29) Tetrahydrofuran	5.10	42	2893	1.962	ug/l #	89
31) Cyclohexane	5.64	56	4676	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17461	4.533	ug/l #	48
37) Ethyl Acetate	4.81	43	2627	0.588	ug/l #	67
38) Carbon Tetrachloride	5.63	117	22188	5.668	ug/l #	14
39) Methylcyclohexane	7.20	83	25865	5.576	ug/l #	1
41) Methacrylonitrile	5.09	41	4232	1.755	ug/l #	43
44) Trichloroethene	7.19	130	2250793	562.179	ug/l	99
52) Toluene	8.77	92	1681	0.239	ug/l	85
59) 2-Hexanone	9.48	43	1587	0.464	ug/l	96
74) N-amyl acetate	10.92	43	2593	0.387	ug/l #	2
75) 1,1,2,2-Tetrachloroethane	11.12	83	76	2.077	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	94790	21.151	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	94790	50.406	ug/l #	13

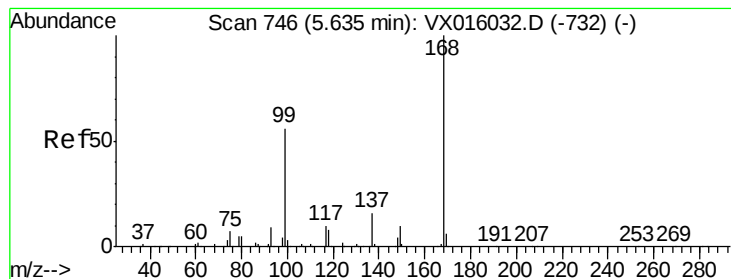
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
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: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

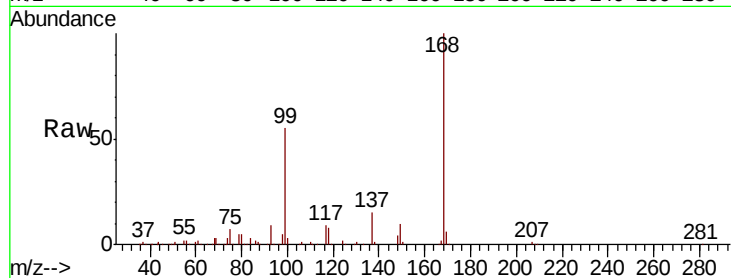
S32-0686

Tot Ion:168 Resp: 235191

Ion Ratio Lower Upper

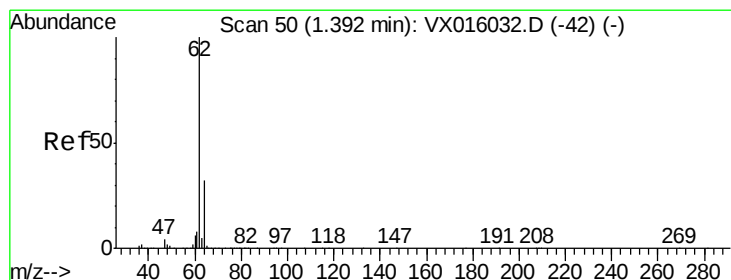
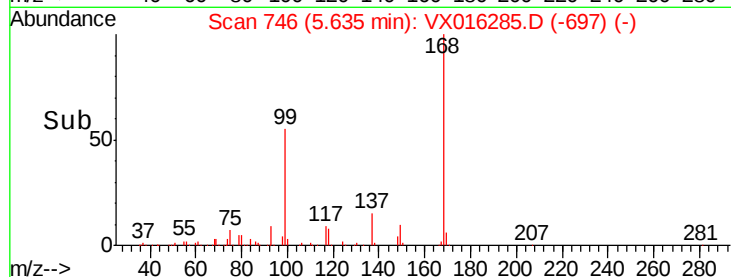
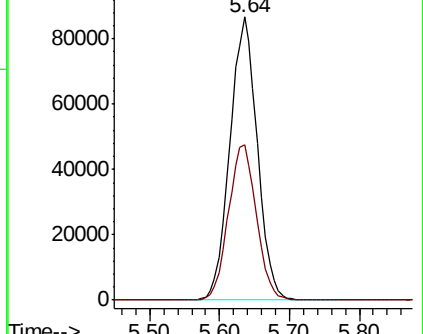
168 100

99 54.8 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: 12.128 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016285.D

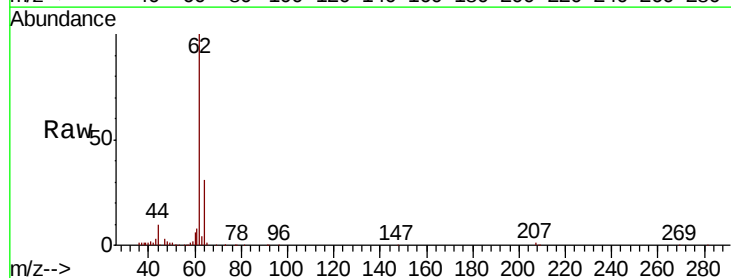
Acq: 15 May 2020 16:56

Tgt Ion: 62 Resp: 37407

Ion Ratio Lower Upper

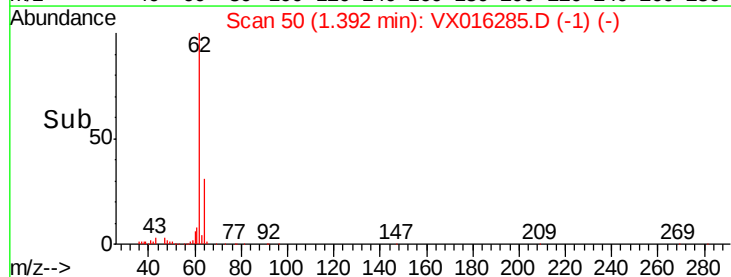
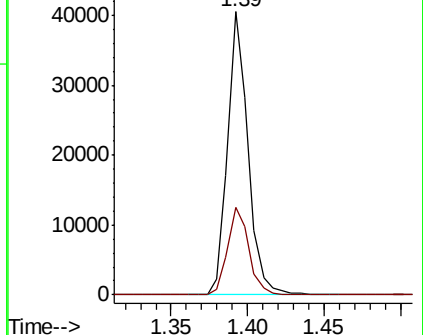
62 100

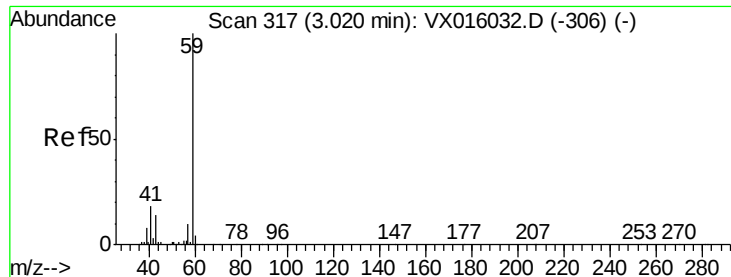
64 31.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#11

Tert butyl alcohol

Concen: 1.220 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

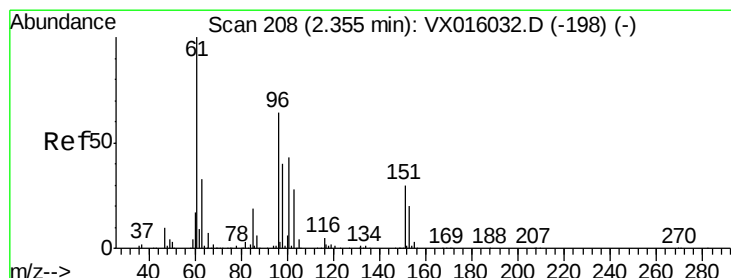
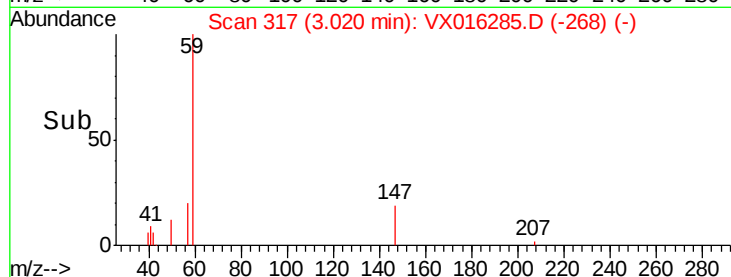
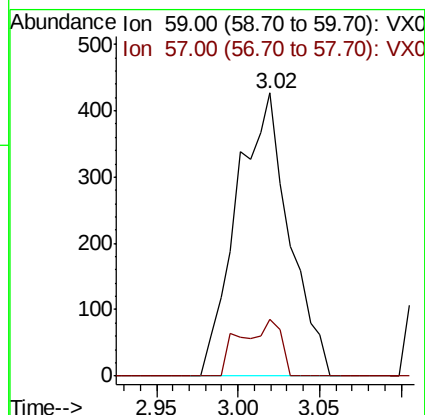
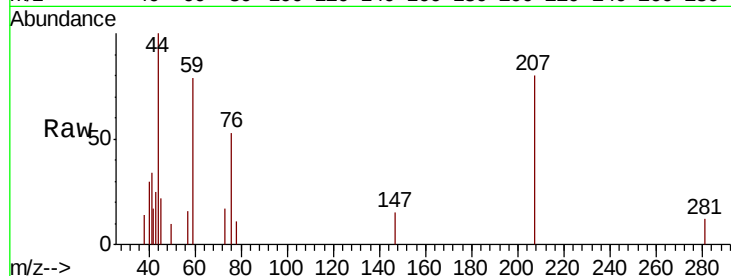
S32-0686

Tot Ion: 59 Resp: 955

Ion Ratio Lower Upper

59 100

57 15.2 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 1.837 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

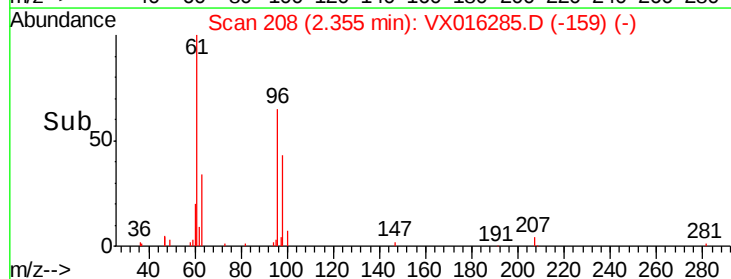
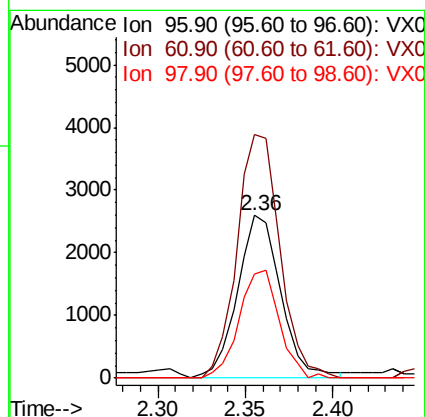
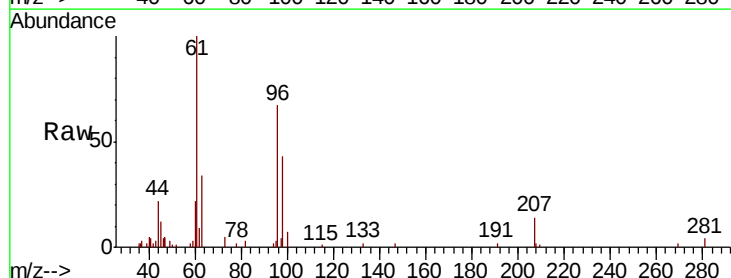
Tgt Ion: 96 Resp: 4490

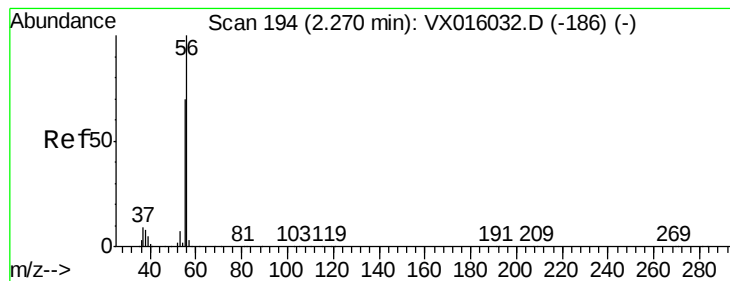
Ion Ratio Lower Upper

96 100

61 150.0 124.8 187.2

98 64.4 49.7 74.5





#13

Acrolein

Concen: 0.753 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

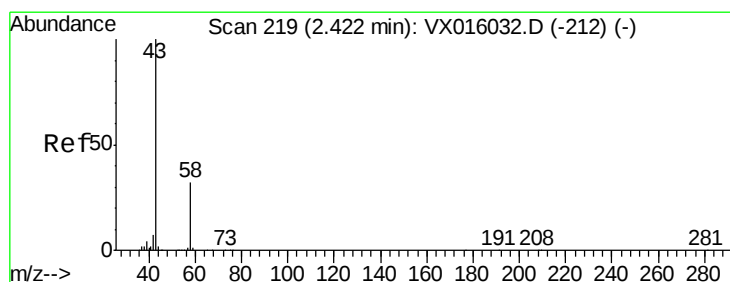
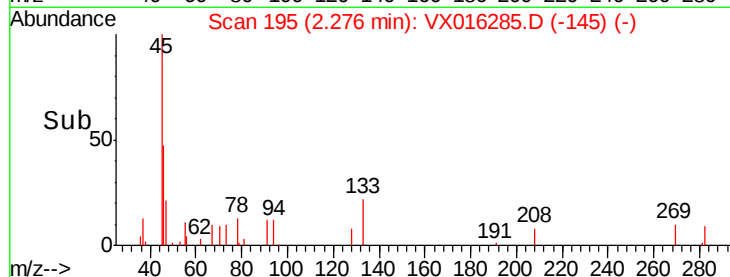
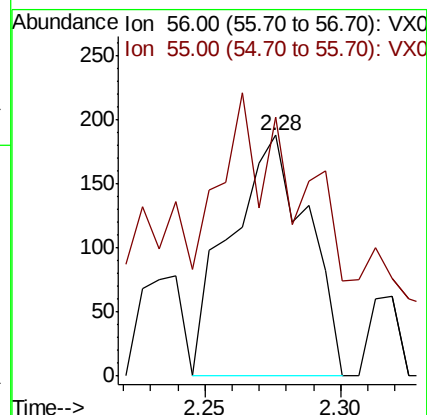
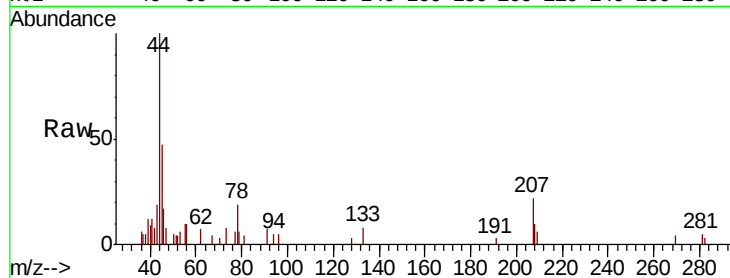
S32-0686

Tot Ion: 56 Resp: 369

Ion Ratio Lower Upper

56 100

55 102.4 56.5 84.7#



#16

Acetone

Concen: 10.186 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016285.D

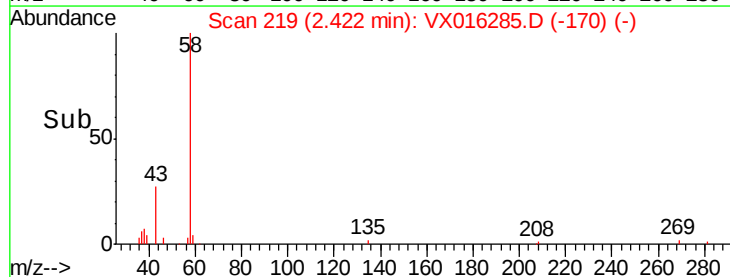
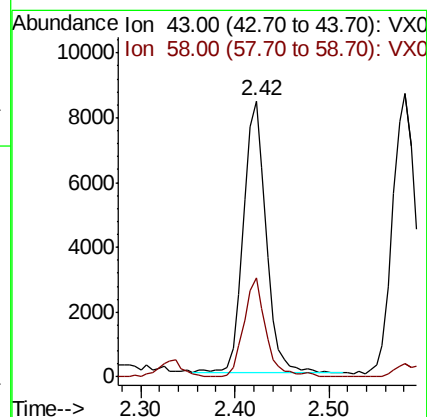
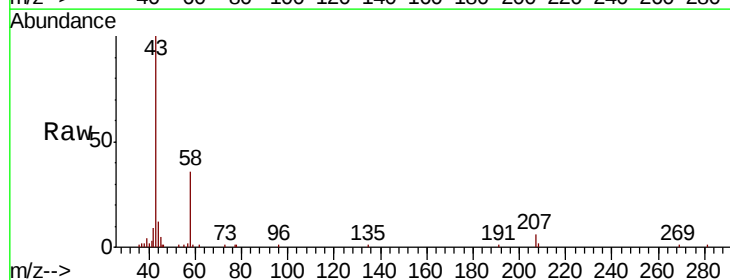
Acq: 15 May 2020 16:56

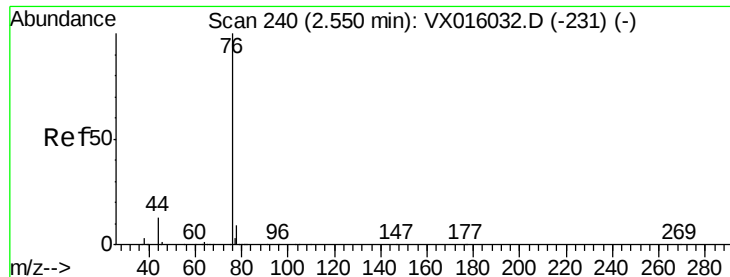
Tgt Ion: 43 Resp: 14066

Ion Ratio Lower Upper

43 100

58 36.6 25.4 38.0





#17

Carbon Disulfide

Concen: 2.116 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampled :

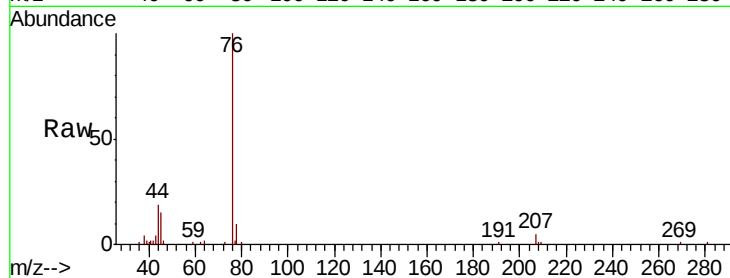
S32-0686

Tot Ion: 76 Resp: 16994

Ion Ratio Lower Upper

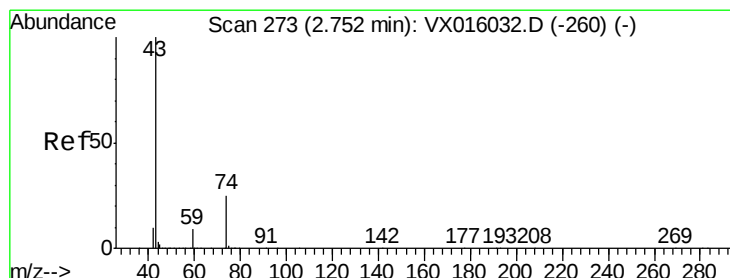
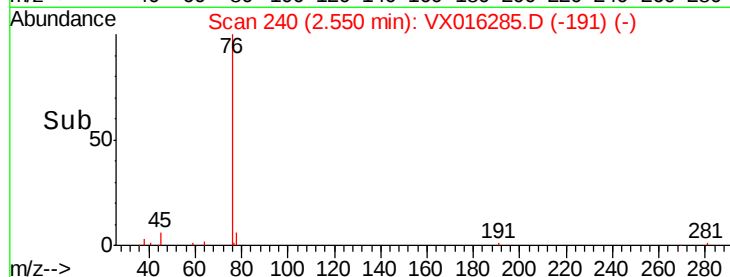
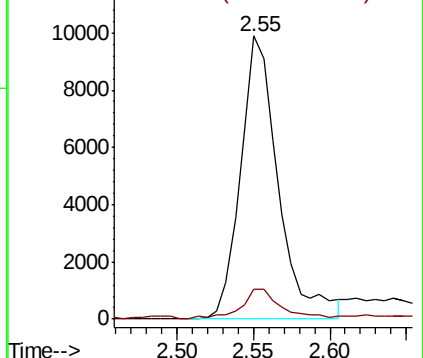
76 100

78 10.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.467 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016285.D

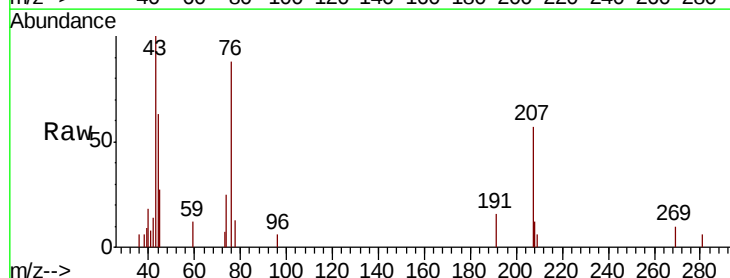
Acq: 15 May 2020 16:56

Tgt Ion: 43 Resp: 1585

Ion Ratio Lower Upper

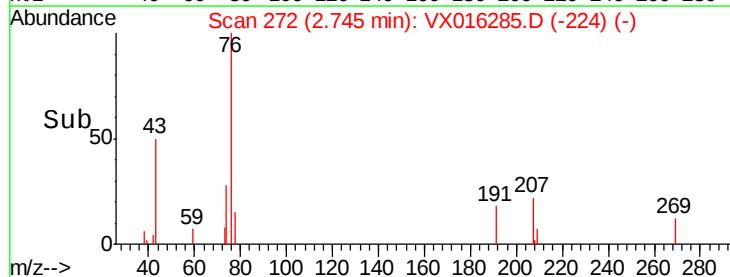
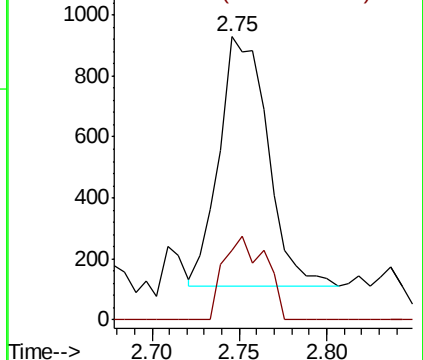
43 100

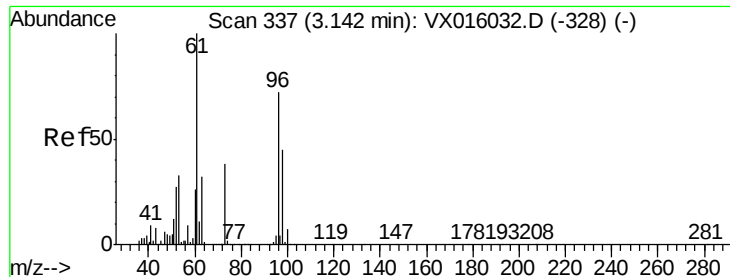
74 29.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 148.555 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

S32-0686

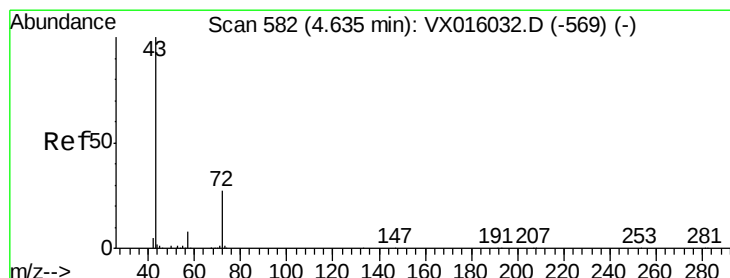
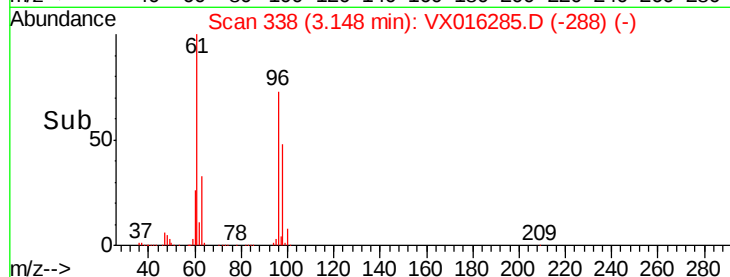
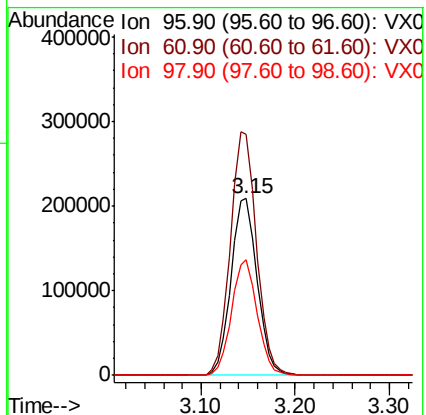
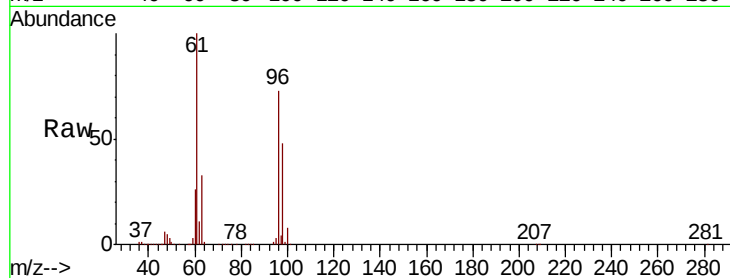
Tot Ion: 96 Resp: 404732

Ion Ratio Lower Upper

96 100

61 136.1 111.2 166.8

98 65.5 50.2 75.4



#25

2-Butanone

Concen: 5.176 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016285.D

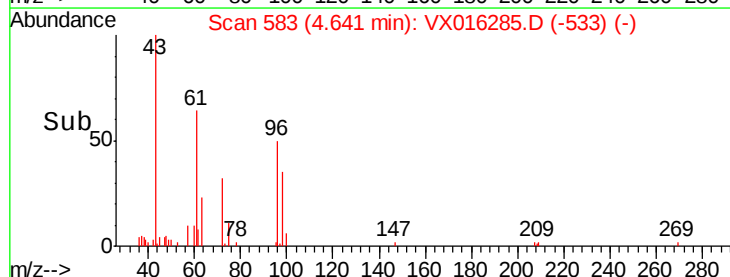
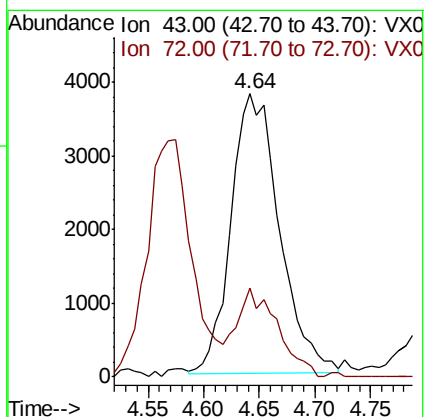
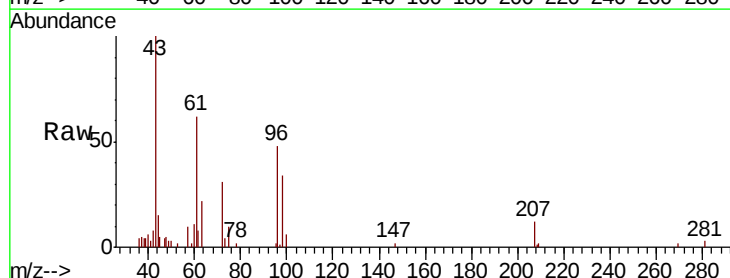
Acq: 15 May 2020 16:56

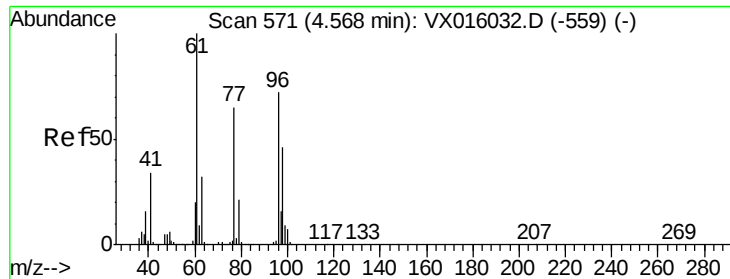
Tgt Ion: 43 Resp: 11518

Ion Ratio Lower Upper

43 100

72 30.3 21.8 32.8

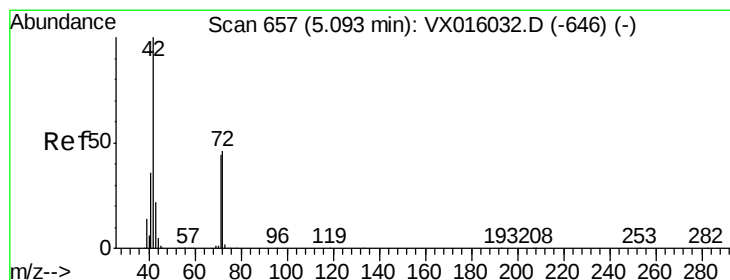
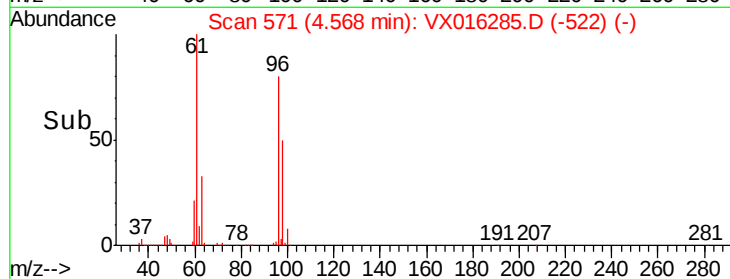
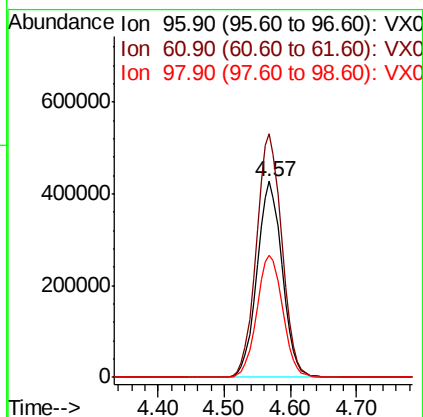
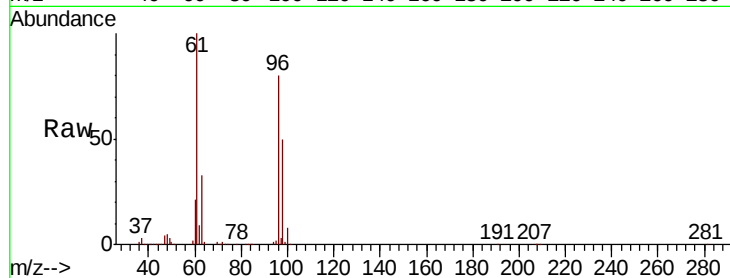




#27
 cis-1,2-Dichloroethene
 Concen: 380.198 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016285.D
 Acq: 15 May 2020 16:56

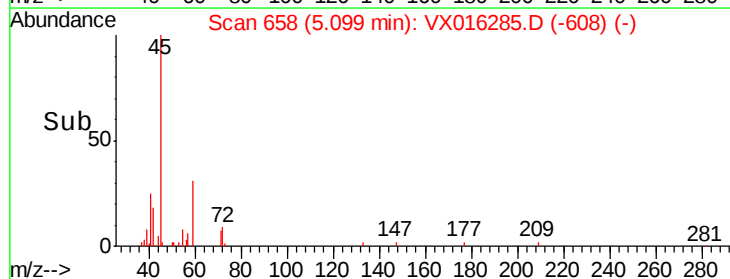
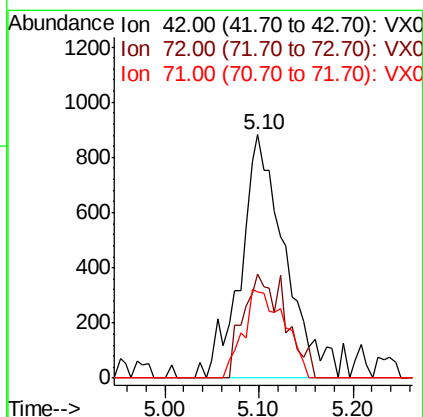
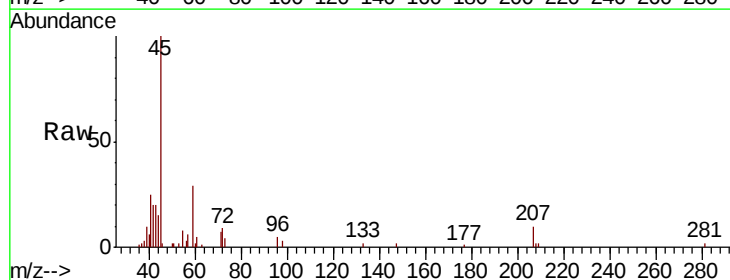
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0686

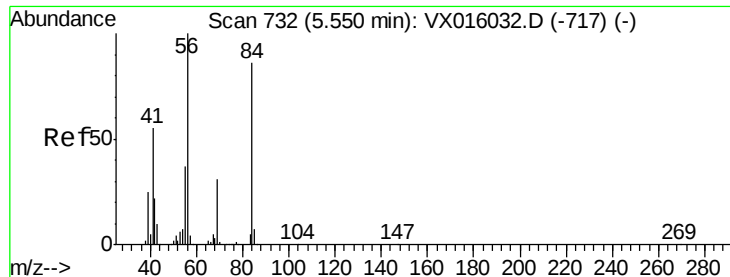
Tot Ion: 96 Resp: 1132419
 Ion Ratio Lower Upper
 96 100
 61 125.9 0.0 296.2
 98 64.0 0.0 129.4



#29
 Tetrahydrofuran
 Concen: 1.962 ug/l
 RT: 5.10 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX016285.D
 Acq: 15 May 2020 16:56

Tgt Ion: 42 Resp: 2893
 Ion Ratio Lower Upper
 42 100
 72 41.0 37.1 55.7
 71 33.9 34.5 51.7#

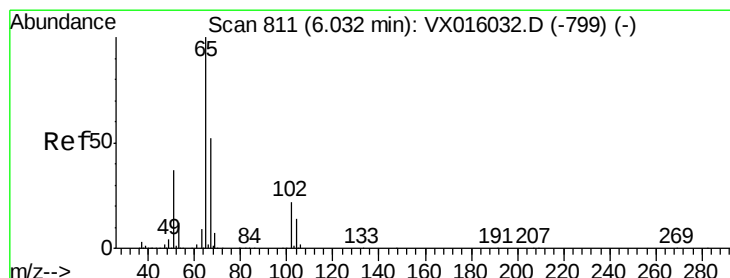
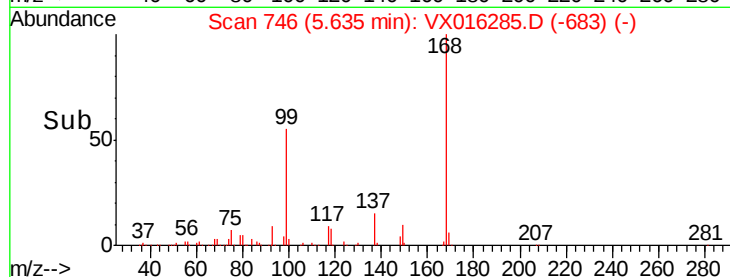
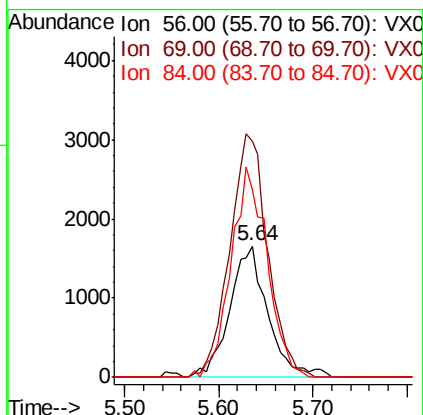
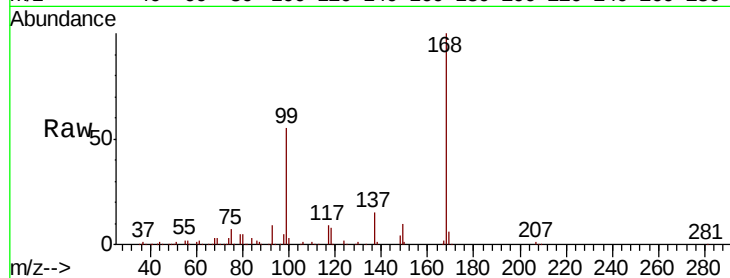




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016285.D
Acq: 15 May 2020 16:56

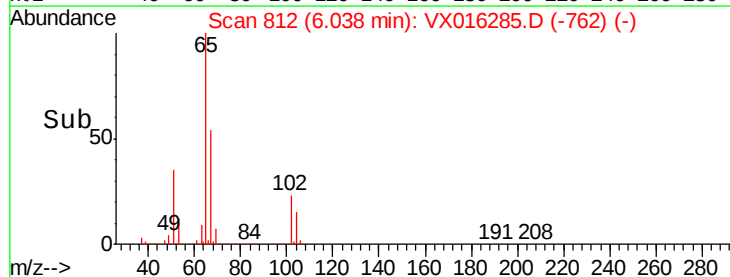
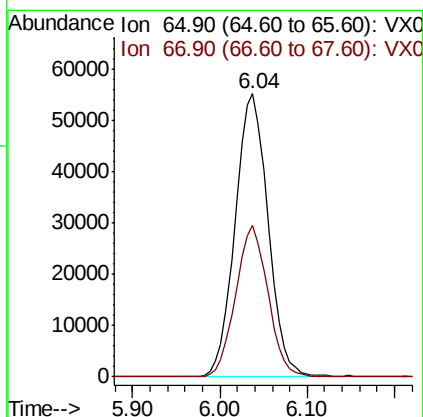
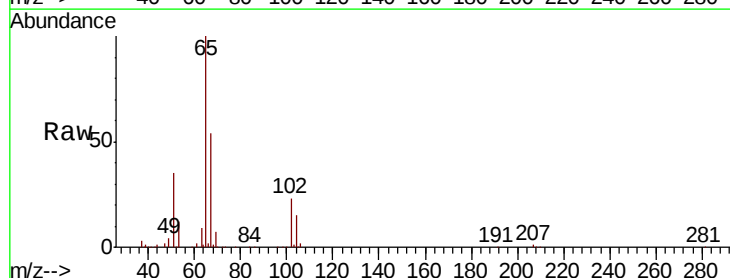
Instrument :
MSVOA_X
ClientSampleId :
S32-0686

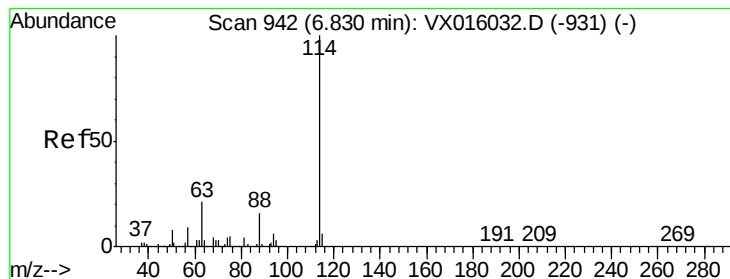
Tot Ion: 56 Resp: 4676
Ion Ratio Lower Upper
56 100
69 179.9 25.0 37.6#
84 143.4 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.810 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016285.D
Acq: 15 May 2020 16:56

Tgt Ion: 65 Resp: 144871
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

S32-0686

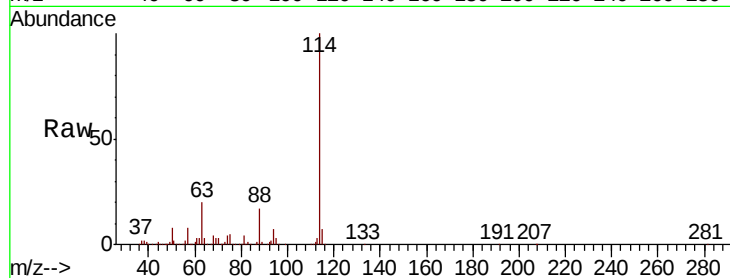
Tot Ion:114 Resp: 391282

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.8

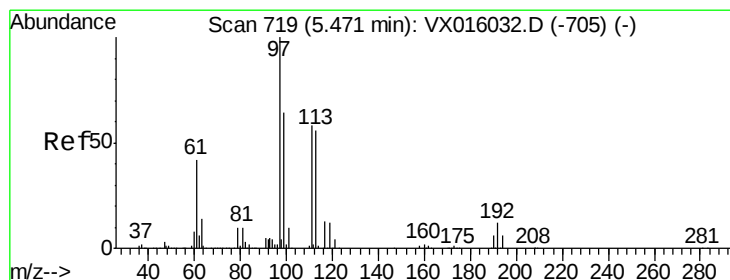
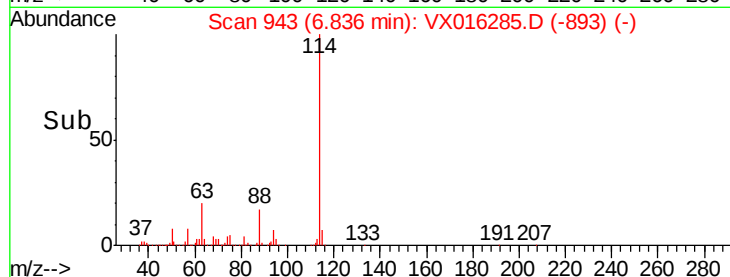
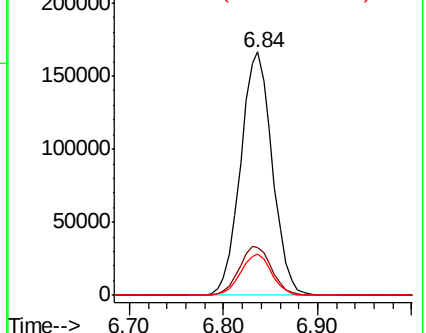
88 16.9 0.0 31.4



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: 47.570 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

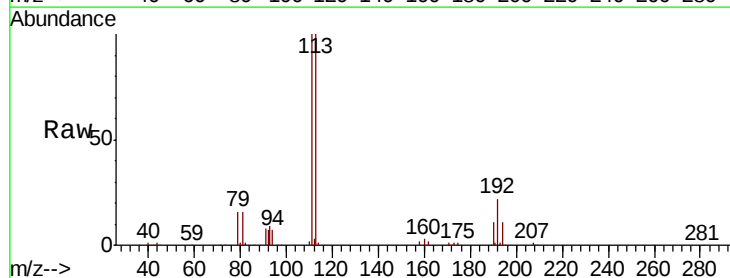
Tgt Ion:113 Resp: 117923

Ion Ratio Lower Upper

113 100

111 101.6 81.6 122.4

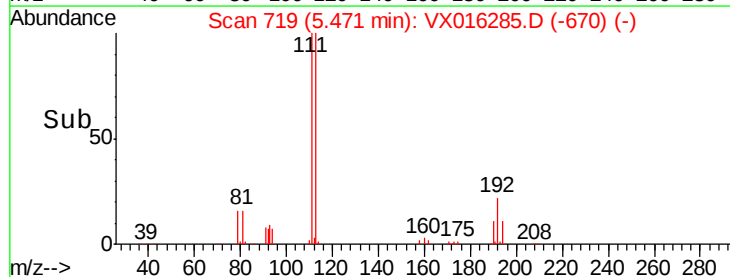
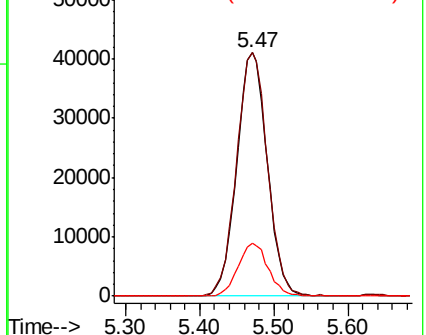
192 21.4 17.0 25.4

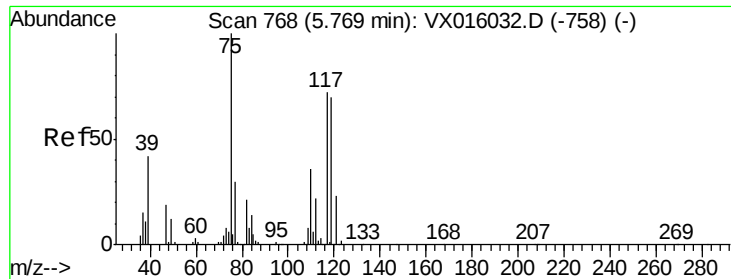


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

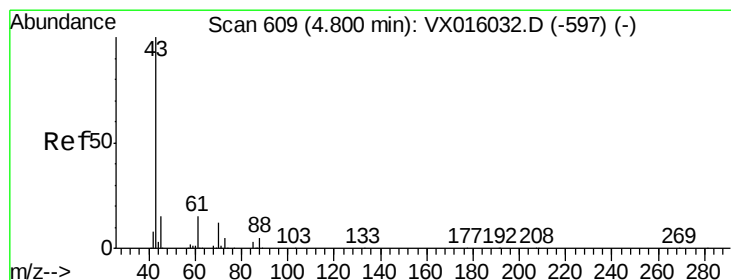
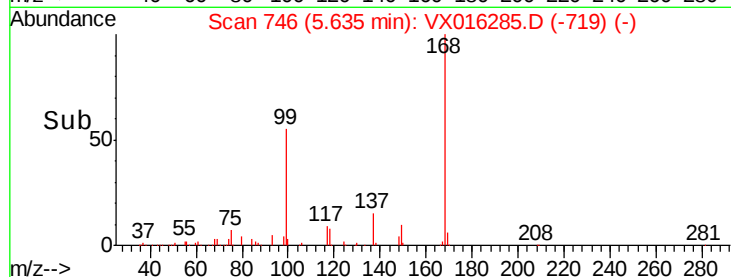
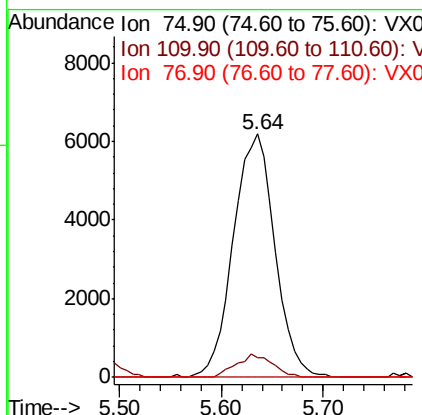
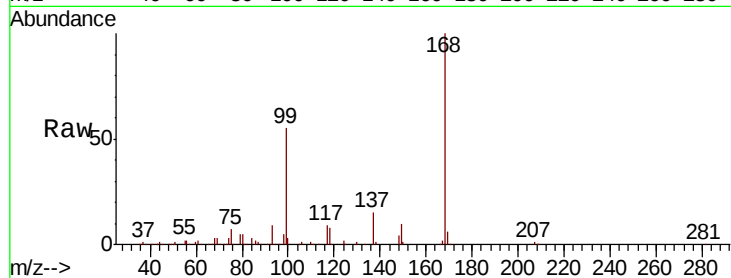




#36
 1,1-Dichloropropene
 Concen: 4.533 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016285.D
 Acq: 15 May 2020 16:56

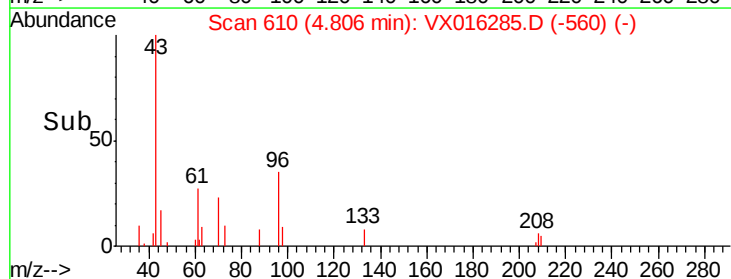
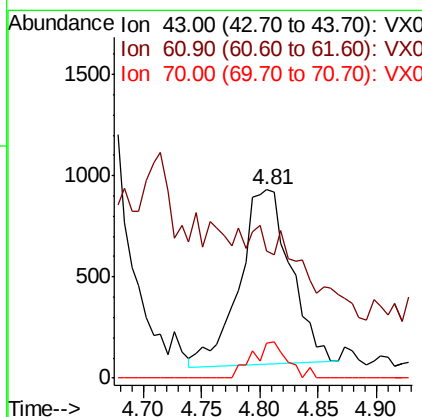
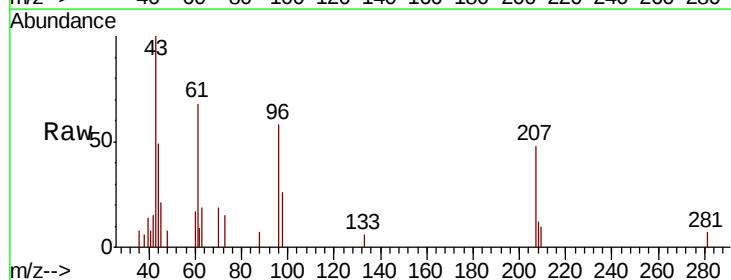
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0686

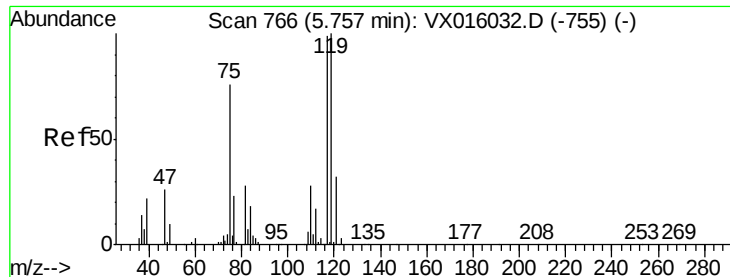
Tot Ion	75	Resp	17461
Ion Ratio	100	Lower	Upper
75	100		
110	8.3	18.1	54.1#
77	0.0	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 0.588 ug/l
 RT: 4.81 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VX016285.D
 Acq: 15 May 2020 16:56

Tgt Ion	43	Resp	2627
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	9.3	13.9#





#38

Carbon Tetrachloride

Concen: 5.668 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

S32-0686

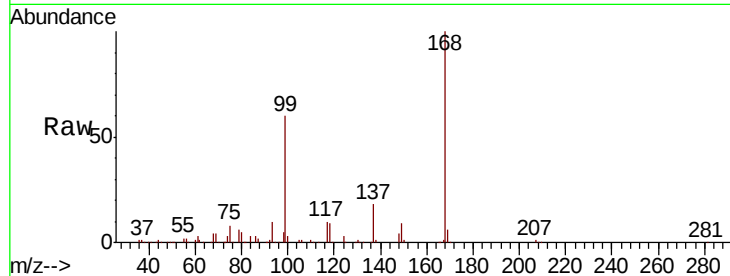
Tot Ion:117 Resp: 22188

Ion Ratio Lower Upper

117 100

119 4.9 80.3 120.5#

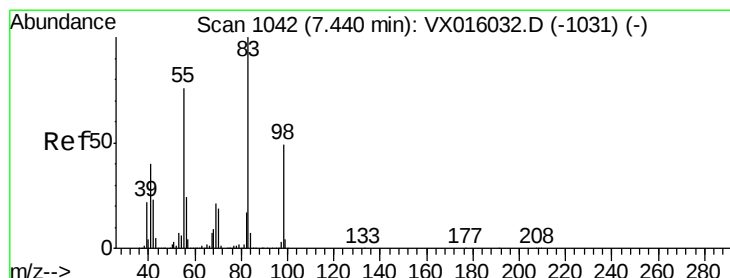
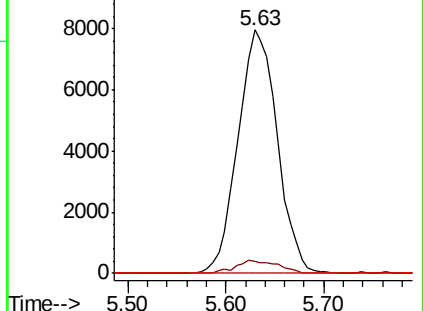
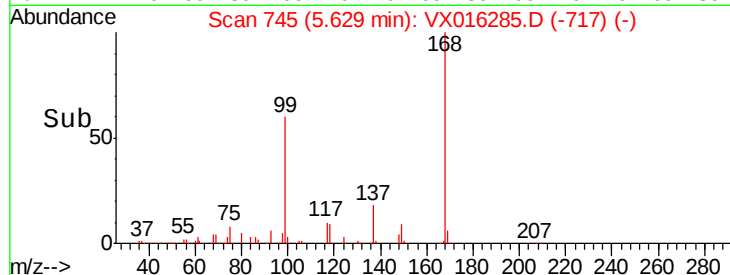
121 0.0 25.7 38.5#



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



#39

Methylcyclohexane

Concen: 5.576 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. -0.24 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

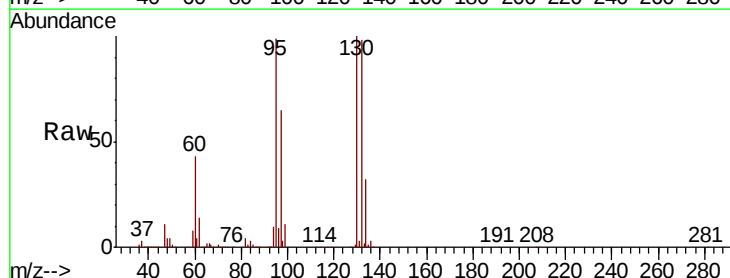
Tgt Ion: 83 Resp: 25865

Ion Ratio Lower Upper

83 100

55 0.0 61.1 91.7#

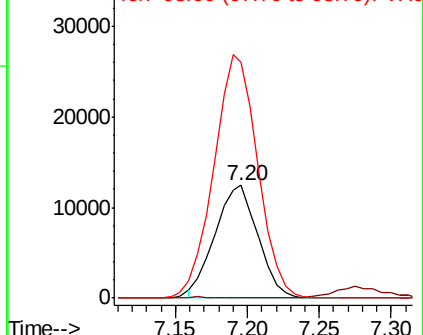
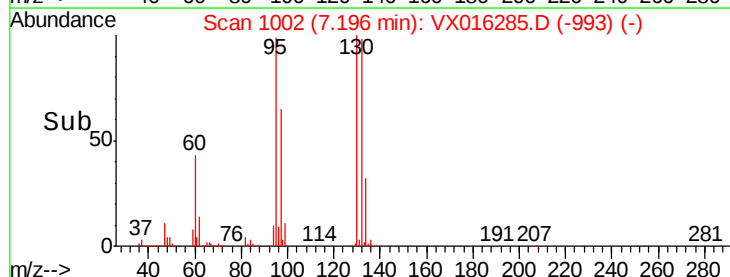
98 208.8 39.0 58.4#

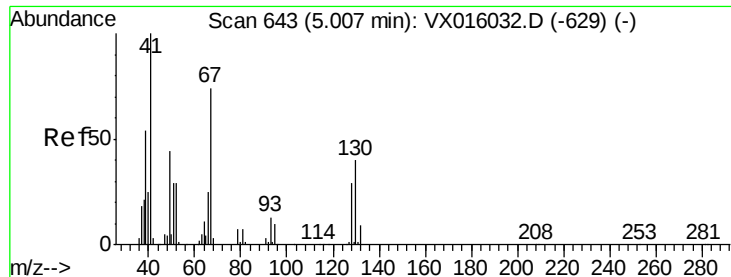


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

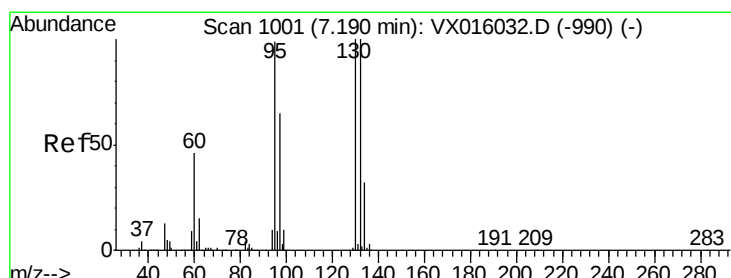
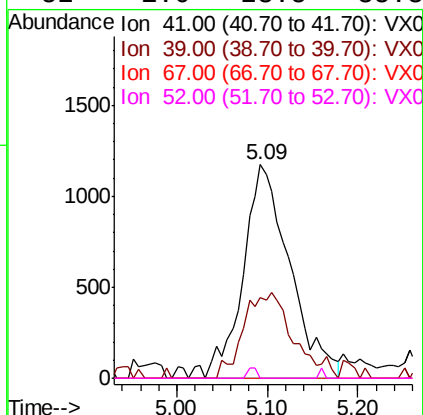
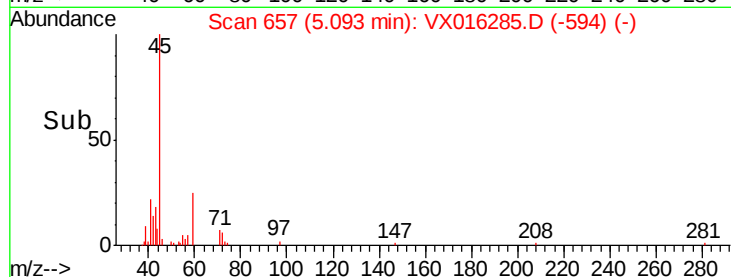
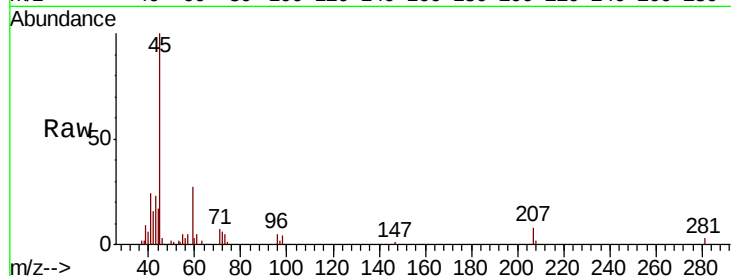




#41
Methacrylonitrile
Concen: 1.755 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.09 min
Lab File: VX016285.D
Acq: 15 May 2020 16:56

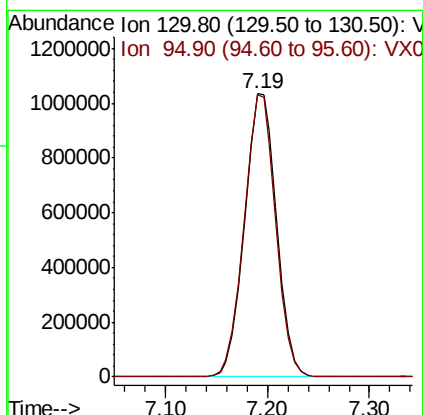
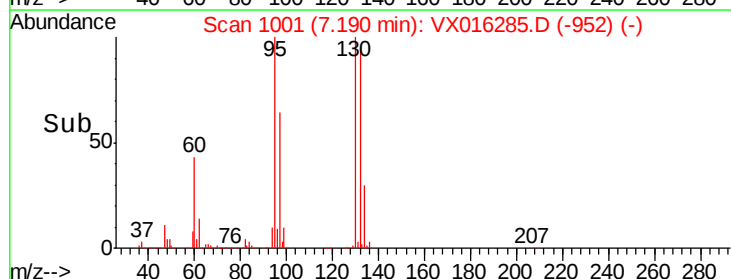
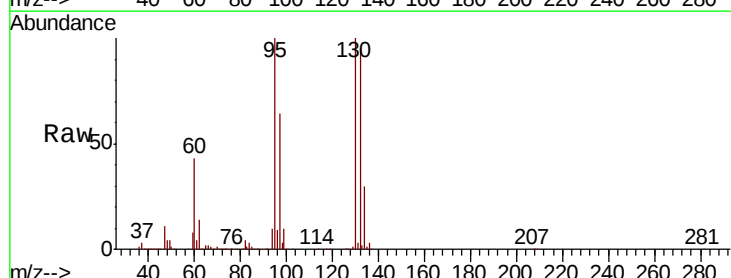
Instrument :
MSVOA_X
ClientSampleId :
S32-0686

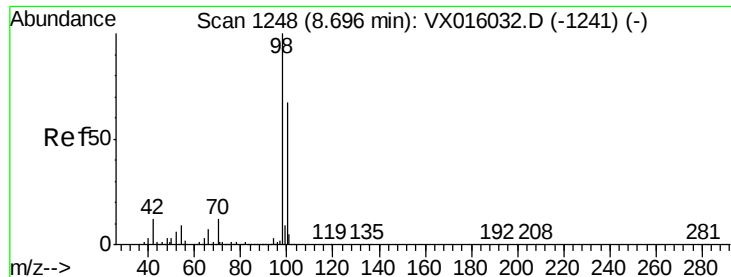
Tot Ion: 41 Resp: 4232
Ion Ratio Lower Upper
41 100
39 42.2 43.2 64.8#
67 0.0 59.3 88.9#
52 1.0 23.5 35.3#



#44
Trichloroethene
Concen: 562.179 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016285.D
Acq: 15 May 2020 16:56

Tgt Ion:130 Resp: 2250793
Ion Ratio Lower Upper
130 100
95 99.8 0.0 197.4





#50

Toluene-d8

Concen: 50.539 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

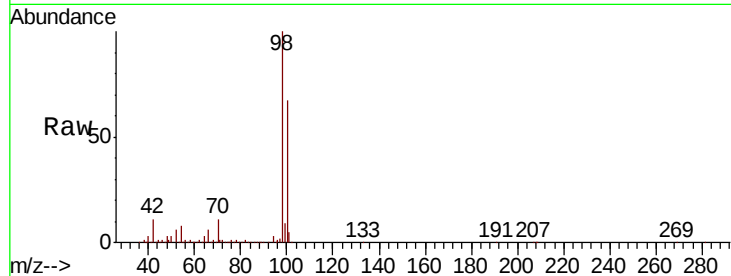
S32-0686

Tot Ion: 98 Resp: 482727

Ion Ratio Lower Upper

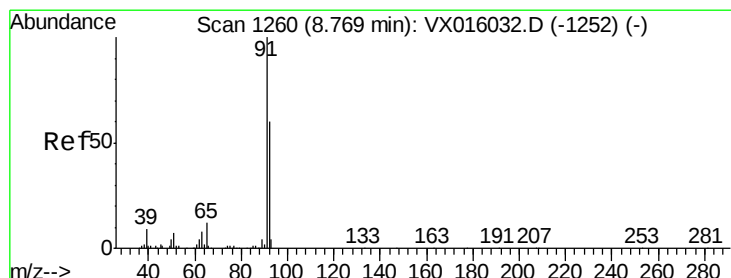
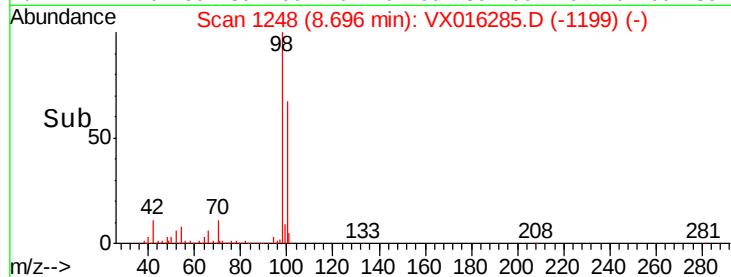
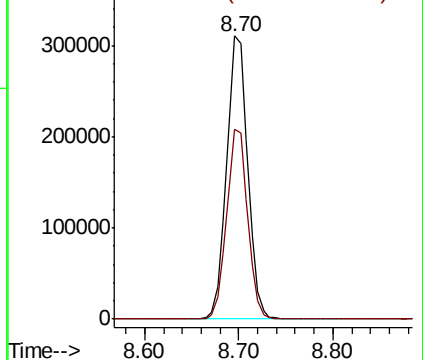
98 100

100 67.0 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.239 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016285.D

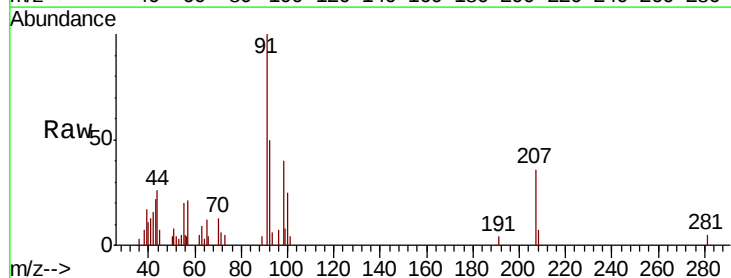
Acq: 15 May 2020 16:56

Tgt Ion: 92 Resp: 1681

Ion Ratio Lower Upper

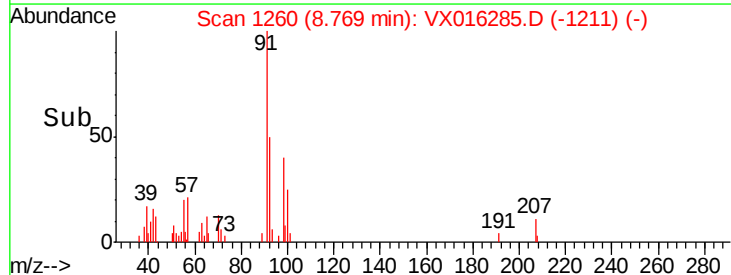
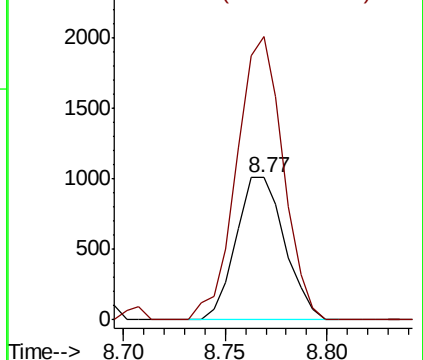
92 100

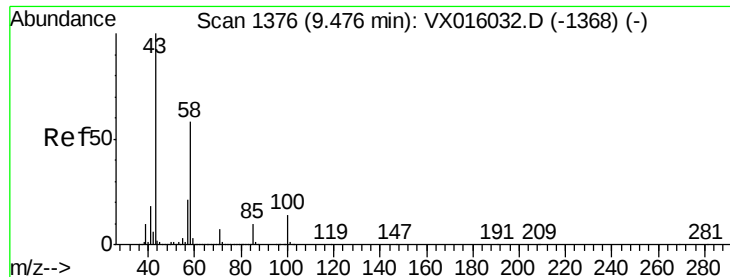
91 189.1 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

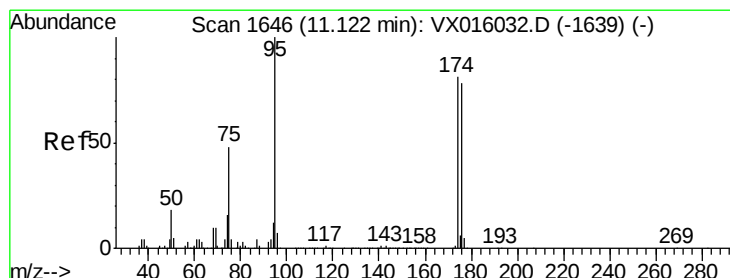
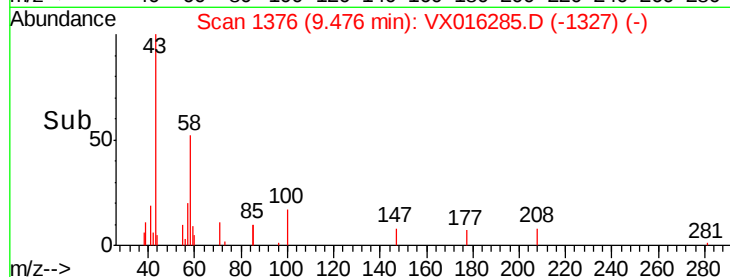
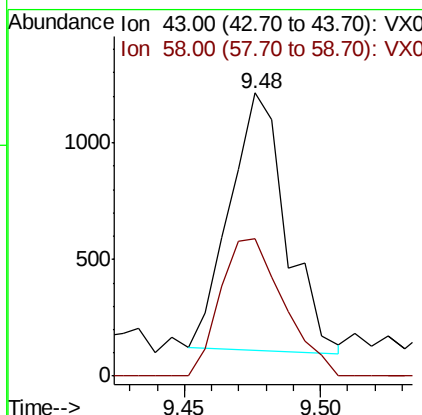
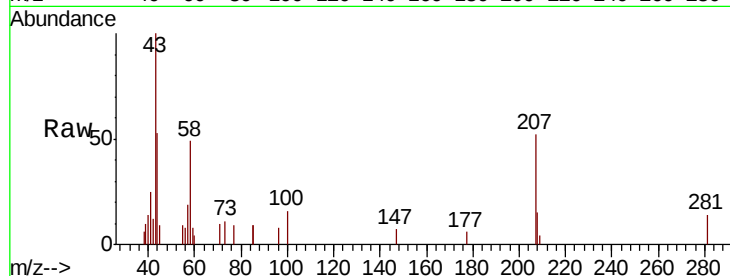




#59
2-Hexanone
Concen: 0.464 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016285.D
Acq: 15 May 2020 16:56

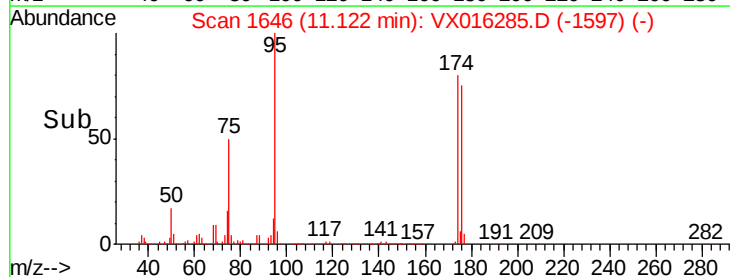
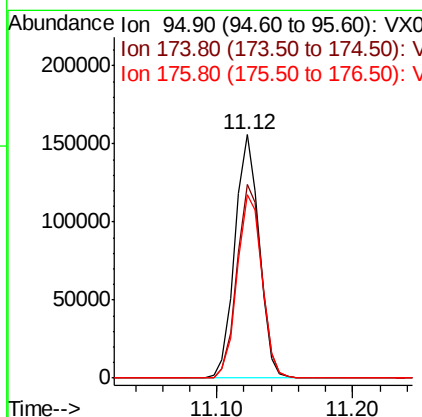
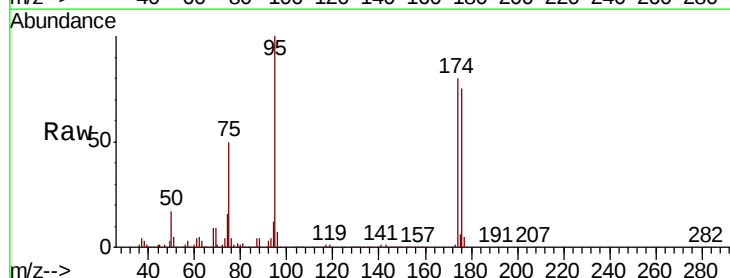
Instrument :
MSVOA_X
ClientSampleId :
S32-0686

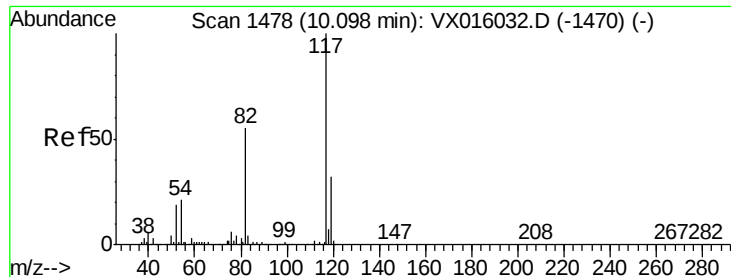
Tot Ion: 43 Resp: 1587
Ion Ratio Lower Upper
43 100
58 60.3 28.6 85.9



#62
4-Bromofluorobenzene
Concen: 53.123 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016285.D
Acq: 15 May 2020 16:56

Tgt Ion: 95 Resp: 192994
Ion Ratio Lower Upper
95 100
174 81.4 0.0 159.4
176 77.1 0.0 157.6

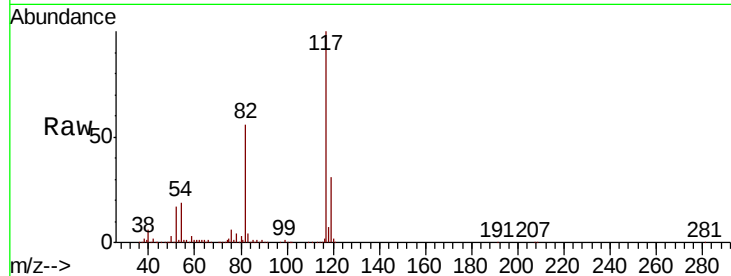




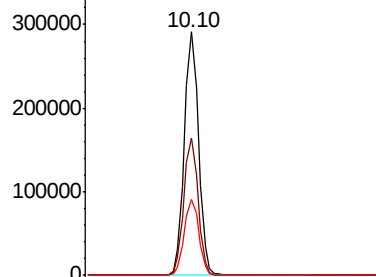
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016285.D
Acq: 15 May 2020 16:56

Instrument :
MSVOA_X
ClientSampleId :
S32-0686

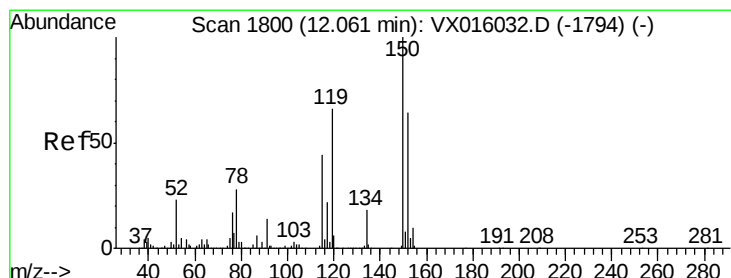
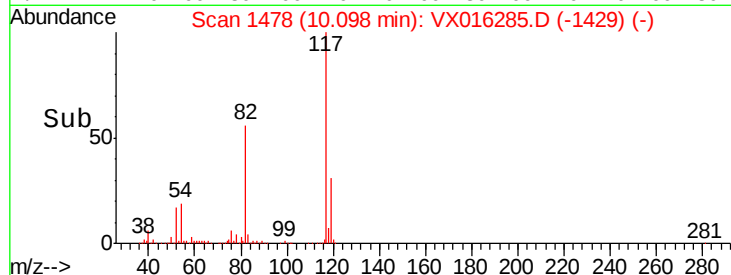
Tot Ion:117 Resp: 382872
Ion Ratio Lower Upper
117 100
82 56.2 44.4 66.6
119 31.4 25.5 38.3



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

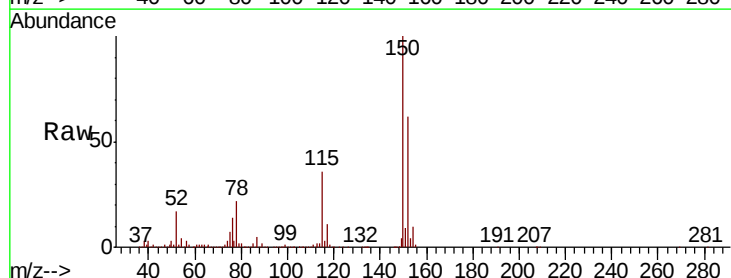


Time-->

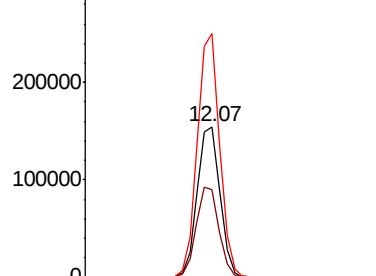


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX016285.D
Acq: 15 May 2020 16:56

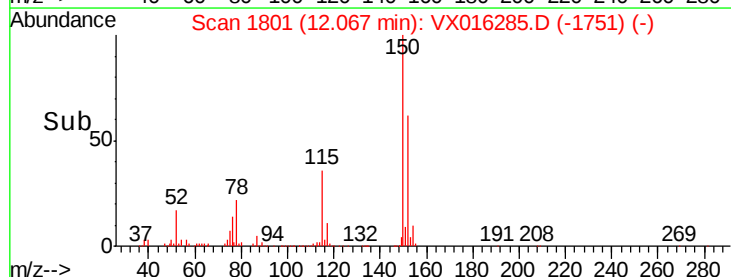
Tgt Ion:152 Resp: 197489
Ion Ratio Lower Upper
152 100
115 59.6 41.3 124.1
150 158.7 0.0 352.2

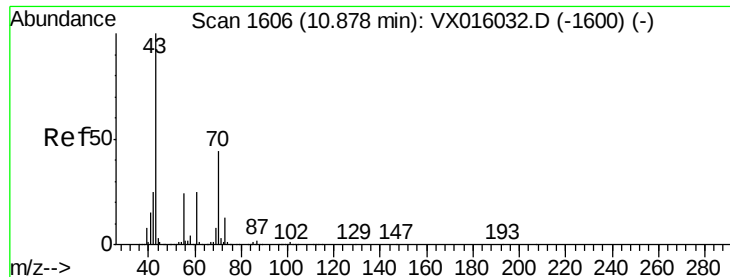


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#74

N-amvl acetate

Concen: 0.387 ug/l

RT: 10.92 min Scan# 1613

Delta R.T. 0.04 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

S32-0686

Tot Ion: 43 Resp: 2593

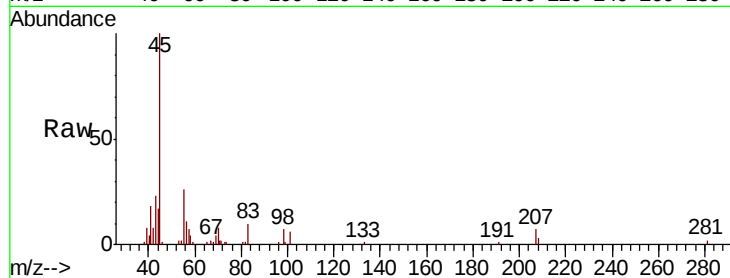
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 124.2 19.7 29.5#

61 0.0 20.9 31.3#



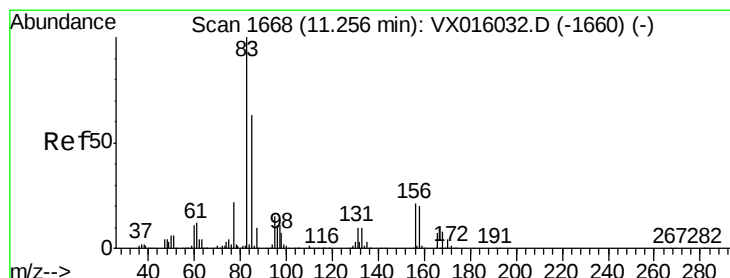
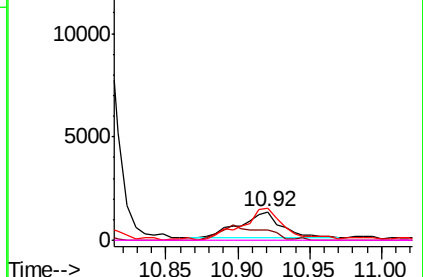
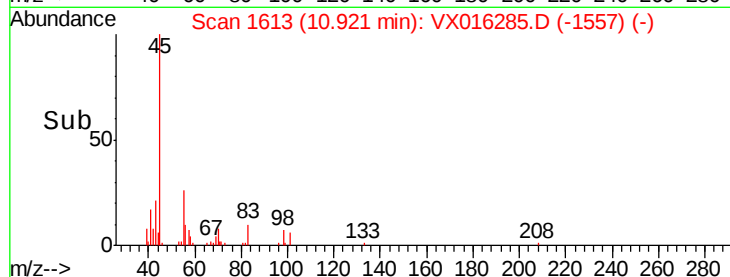
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 2.077 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

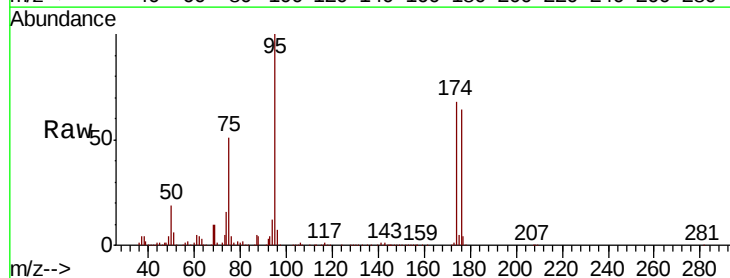
Tgt Ion: 83 Resp: 76

Ion Ratio Lower Upper

83 100

131 336.8 5.1 15.4#

85 0.0 32.0 96.0#

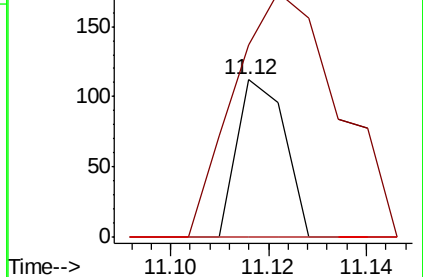
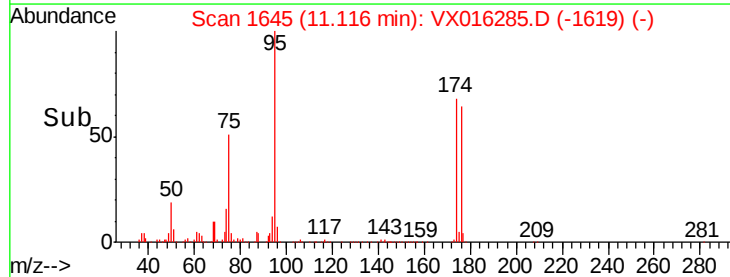


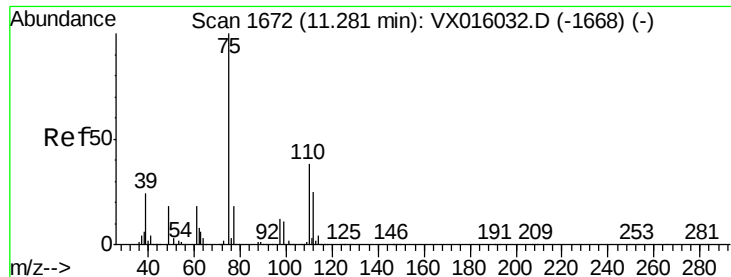
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

Time-->





#76

1,2,3-Trichloropropane

Concen: 21.151 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

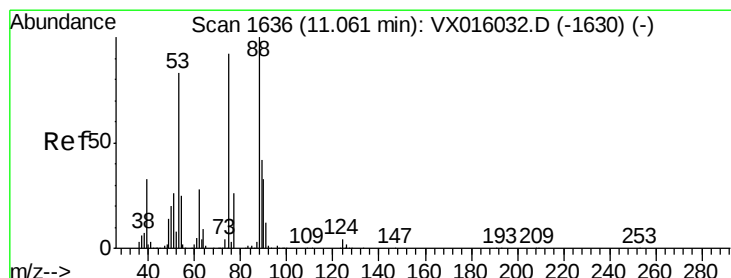
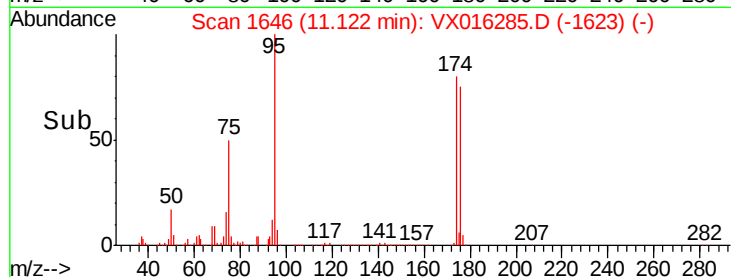
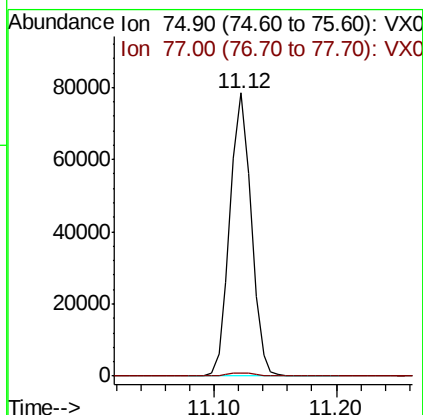
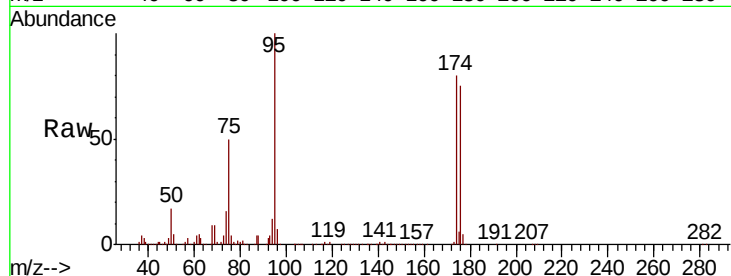
S32-0686

Tot Ion: 75 Resp: 94790

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.406 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016285.D

Acq: 15 May 2020 16:56

Tgt Ion: 75 Resp: 94790

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

