

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015940.D
 Acq On : 24 Apr 2020 18:58
 Operator : JC/SP
 Sample : L2414-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW042-200422

Quant Time: Apr 25 06:53:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	134085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	257057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	248265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	122086	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	98474	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	5.47	113	75122	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
50) Toluene-d8	8.70	98	323225	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
62) 4-Bromofluorobenzene	11.12	95	134556	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	

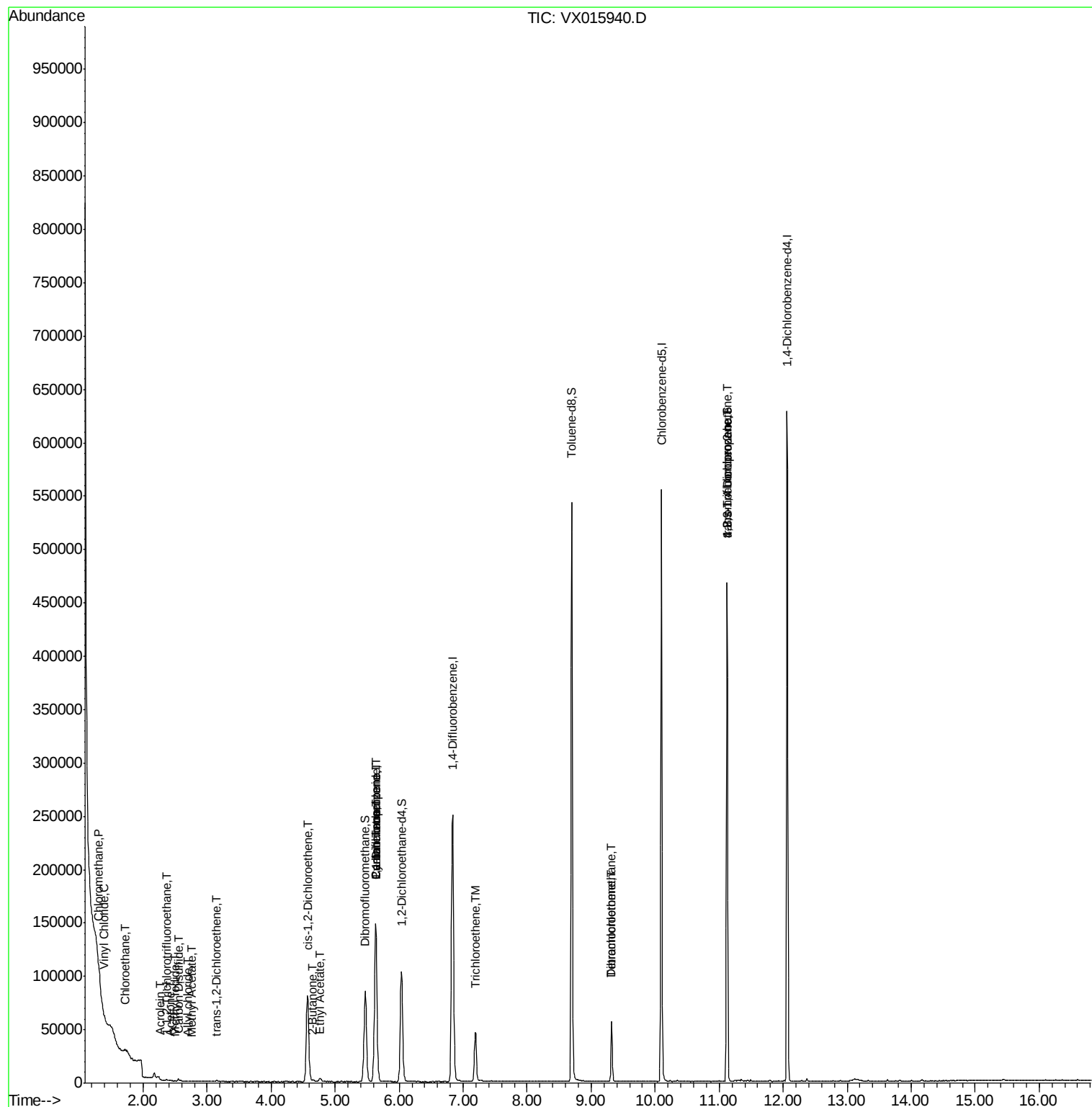
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2251	1.482	ug/l	96
4) Vinyl Chloride	1.39	62	608	0.313	ug/l	94
6) Chloroethane	1.72	64	289	0.247	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	438	0.302	ug/l	99
10) Methyl Iodide	2.50	142	308	4.979	ug/l #	89
13) Acrolein	2.27	56	104	0.412	ug/l #	15
14) Allyl chloride	2.71	41	553	0.206	ug/l #	41
16) Acetone	2.42	43	1040	1.464	ug/l	89
17) Carbon Disulfide	2.56	76	2703	0.348	ug/l #	85
18) Methyl Acetate	2.76	43	519	0.242	ug/l #	57
21) trans-1,2-Dichloroethene	3.14	96	731	0.431	ug/l #	64
25) 2-Butanone	4.65	43	289	0.250	ug/l #	47
27) cis-1,2-Dichloroethene	4.57	96	52746	27.413	ug/l	89
31) Cyclohexane	5.63	56	3087	1.087	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	12174	4.962	ug/l #	49
37) Ethyl Acetate	4.76	43	1108	0.450	ug/l #	67
38) Carbon Tetrachloride	5.64	117	14248	6.356	ug/l #	16
44) Trichloroethene	7.19	130	17248	7.804	ug/l	99
60) Dibromochloromethane	9.32	129	10416	5.766	ug/l #	11
64) Tetrachloroethene	9.32	164	10174	4.118	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	66769	25.496	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	66769	57.432	ug/l #	14

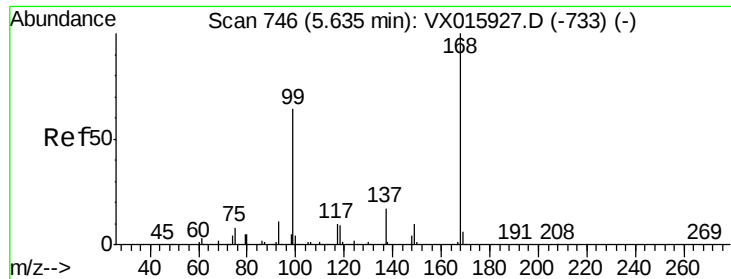
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
Data File : VX015940.D
Acq On : 24 Apr 2020 18:58
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Sample : L2414-01
Misc : 5.0mL/MSVOA X/WATER
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Quant Time: Apr 25 06:53:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 24 13:17:59 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: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

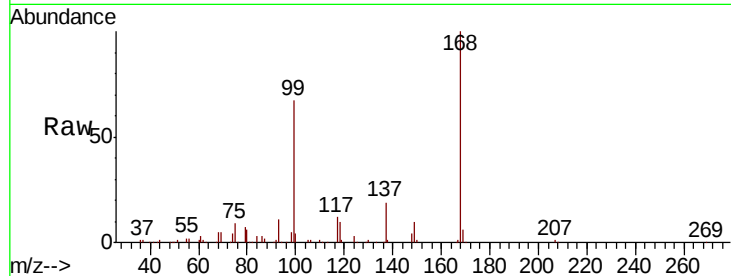
SS037MW042-200422

Tot Ion:168 Resp: 134085

Ion Ratio Lower Upper

168 100

99 67.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

40000

30000

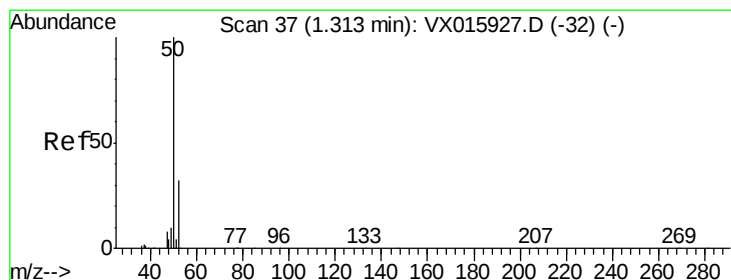
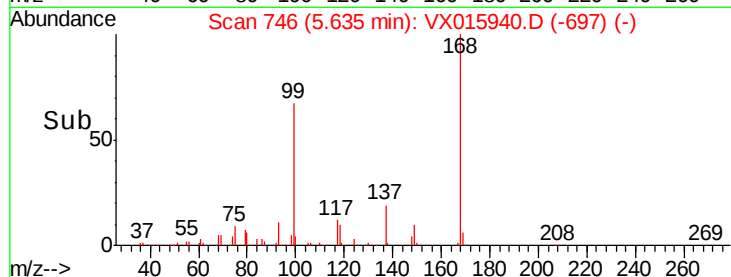
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 1.482 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015940.D

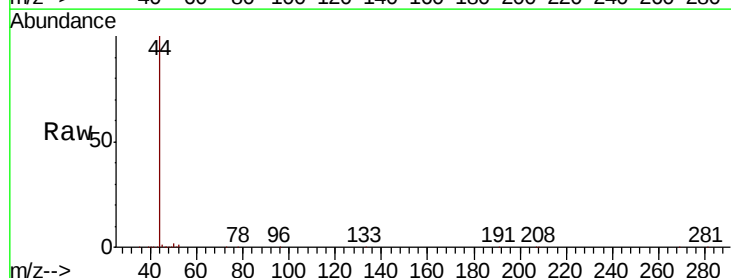
Acq: 24 Apr 2020 18:58

Tgt Ion: 50 Resp: 2251

Ion Ratio Lower Upper

50 100

52 34.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2500

2000

1500

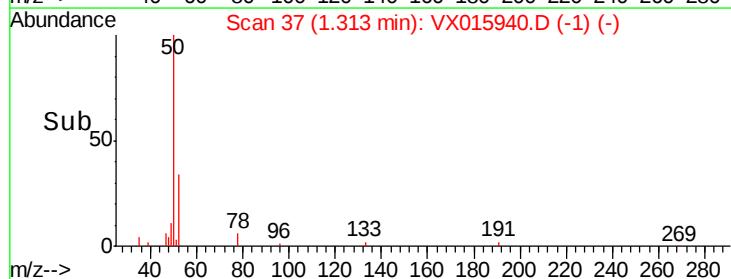
1000

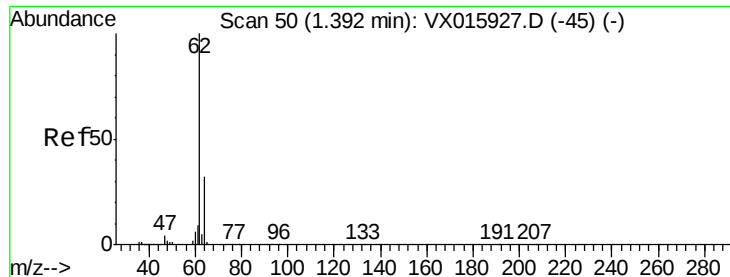
500

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 0.313 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

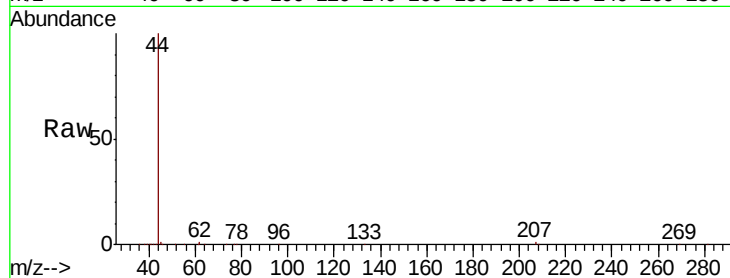
SS037MW042-200422

Tot Ion: 62 Resp: 608

Ion Ratio Lower Upper

62 100

64 35.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

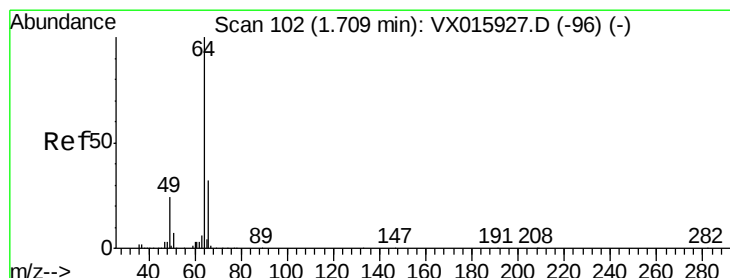
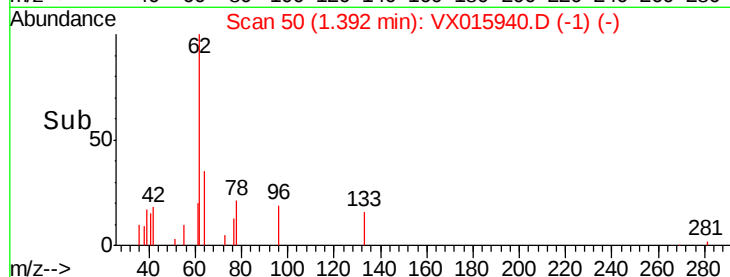
600

400

200

0

Time-->



#6

Chloroethane

Concen: 0.247 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX015940.D

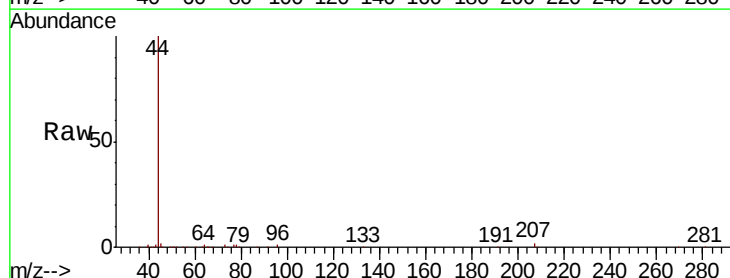
Acq: 24 Apr 2020 18:58

Tgt Ion: 64 Resp: 289

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

250

200

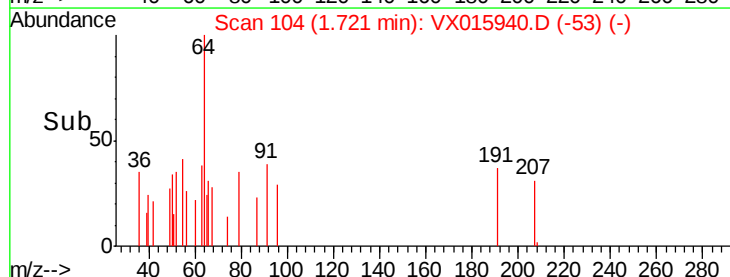
150

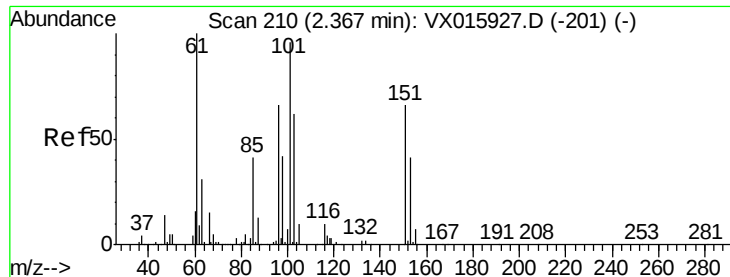
100

50

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.302 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW042-200422

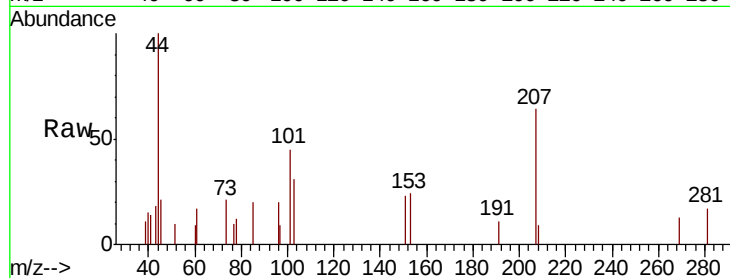
Tot Ion:101 Resp: 438

Ion Ratio Lower Upper

101 100

85 45.0 34.9 52.3

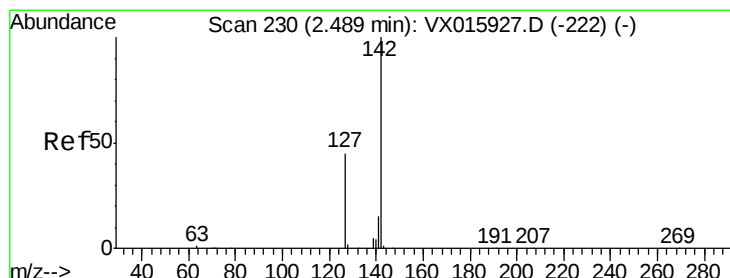
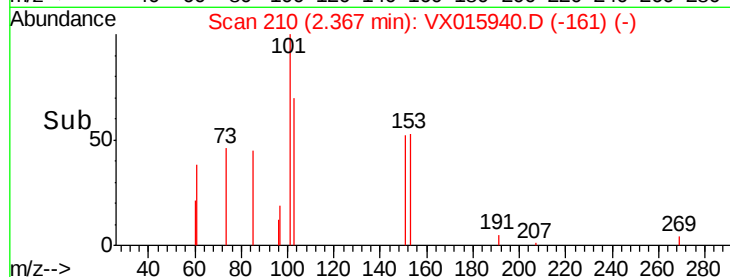
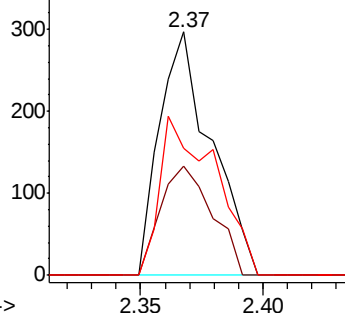
151 70.1 55.8 83.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.979 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

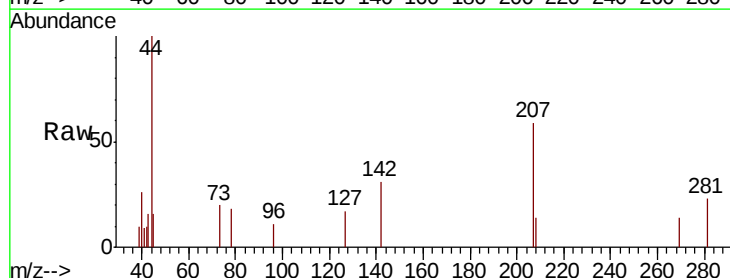
Tgt Ion:142 Resp: 308

Ion Ratio Lower Upper

142 100

127 44.8 34.4 51.6

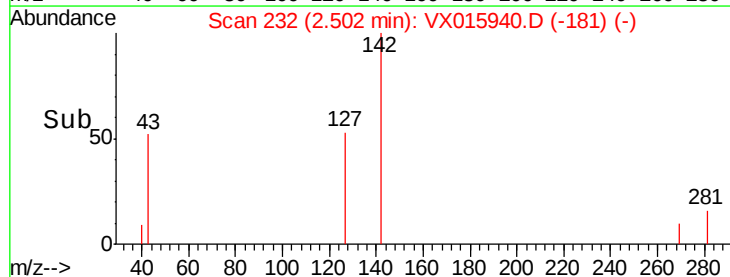
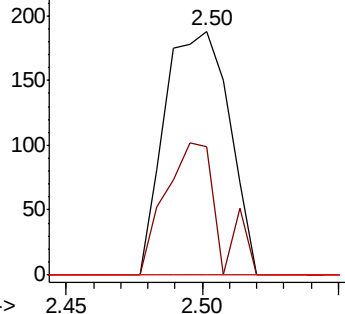
141 0.0 11.5 17.3#

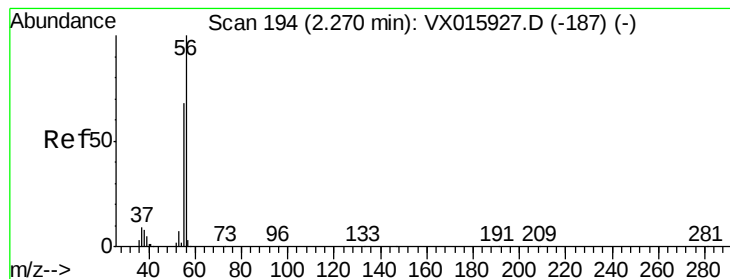


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.412 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

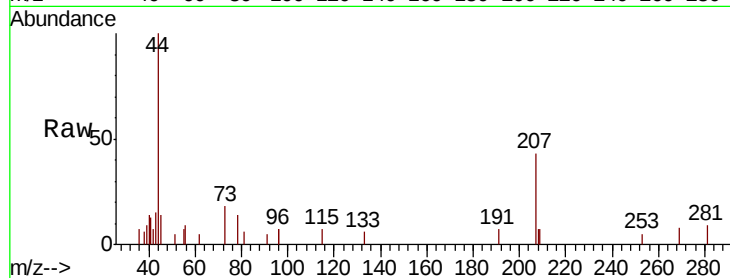
SS037MW042-200422

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

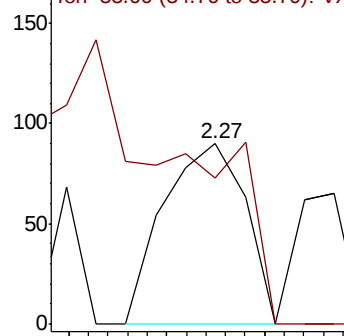
56 100

55 0.0 56.0 84.0#

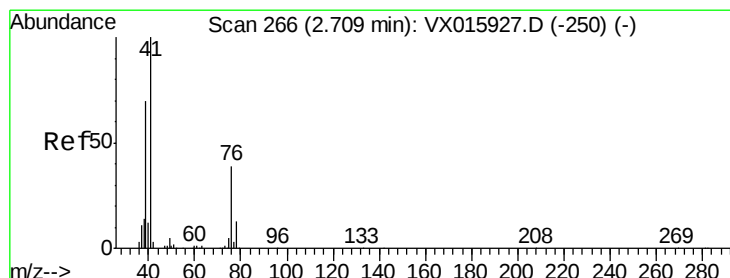
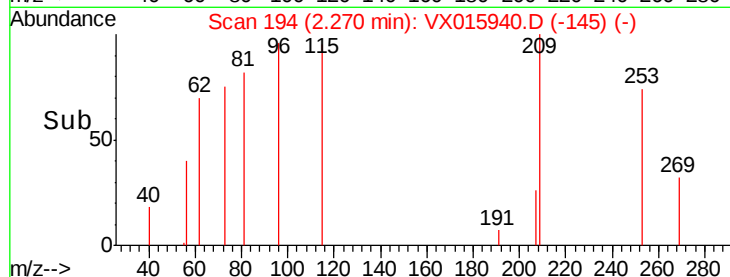


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 0.206 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

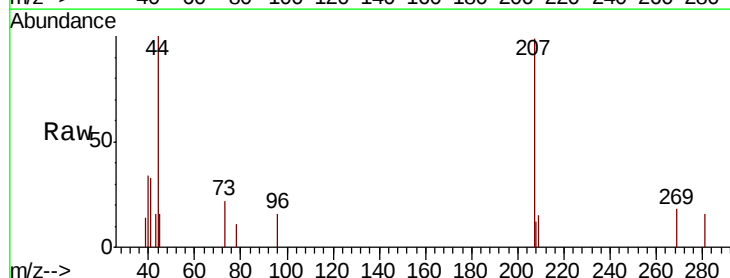
Tgt Ion: 41 Resp: 553

Ion Ratio Lower Upper

41 100

39 19.5 51.6 77.4#

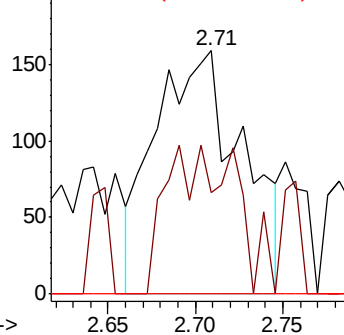
76 0.0 29.3 43.9#



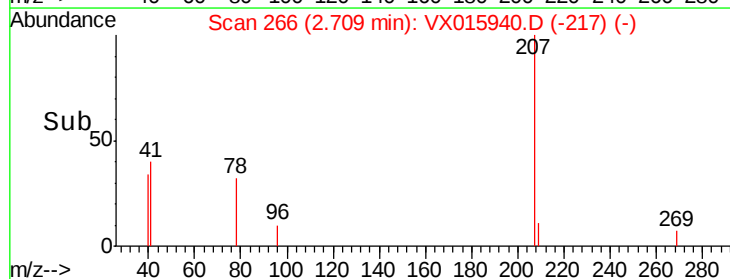
Abundance Ion 41.00 (40.70 to 41.70): VX0

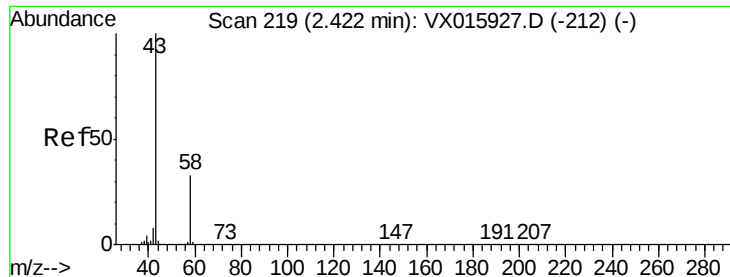
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#16

Acetone

Concen: 1.464 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

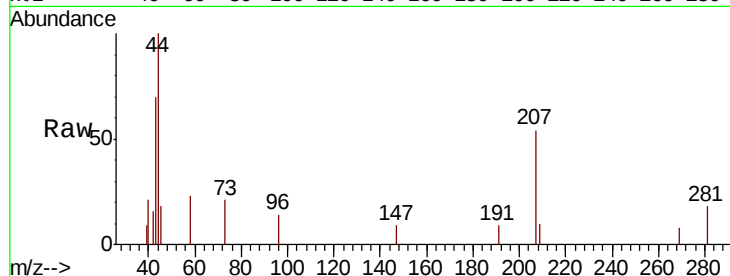
SS037MW042-200422

Tot Ion: 43 Resp: 1040

Ion Ratio Lower Upper

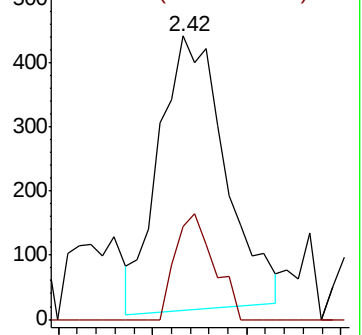
43 100

58 39.1 26.4 39.6

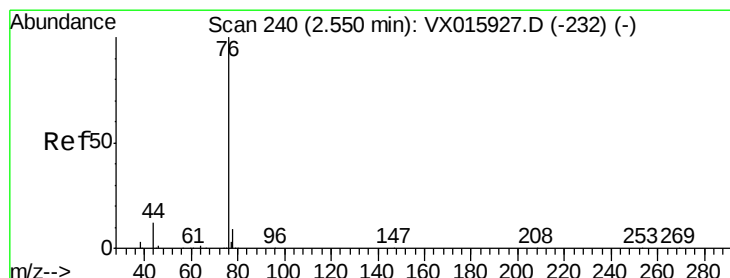
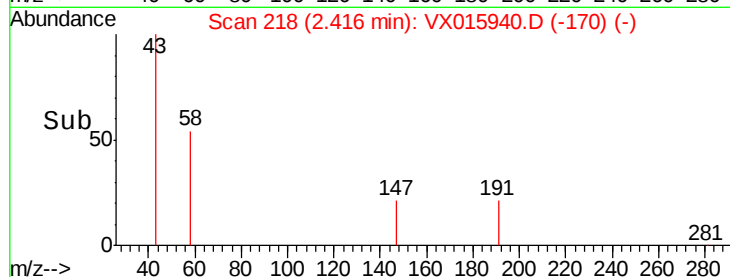


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.348 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX015940.D

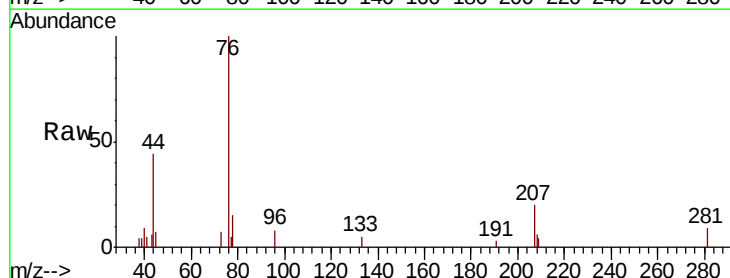
Acq: 24 Apr 2020 18:58

Tgt Ion: 76 Resp: 2703

Ion Ratio Lower Upper

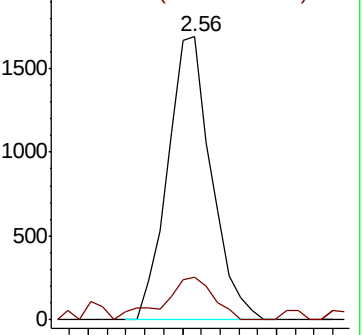
76 100

78 14.9 7.4 11.2#

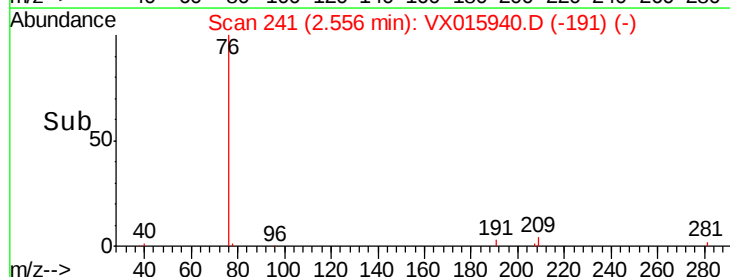


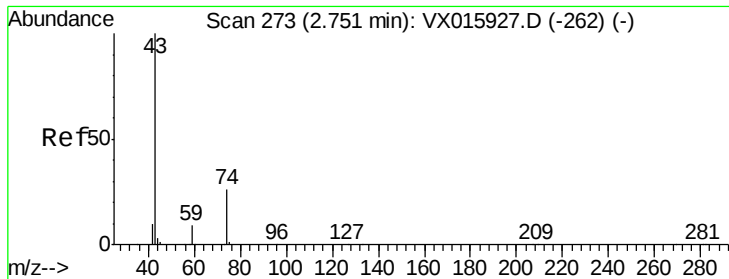
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->





#18

Methyl Acetate

Concen: 0.242 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

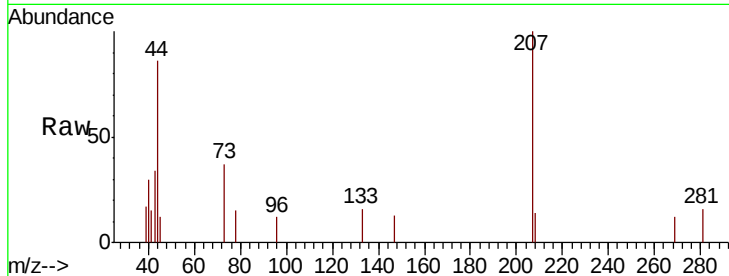
SS037MW042-200422

Tot Ion: 43 Resp: 519

Ion Ratio Lower Upper

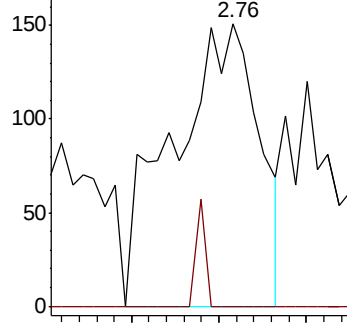
43 100

74 4.0 21.0 31.4#

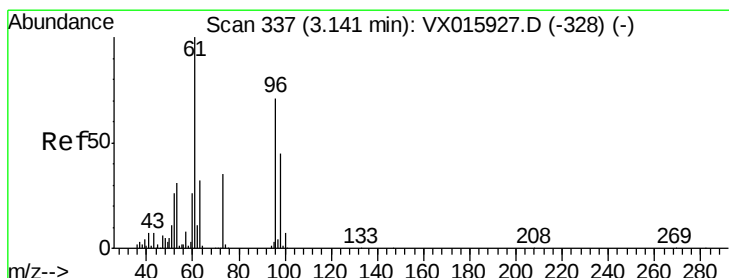
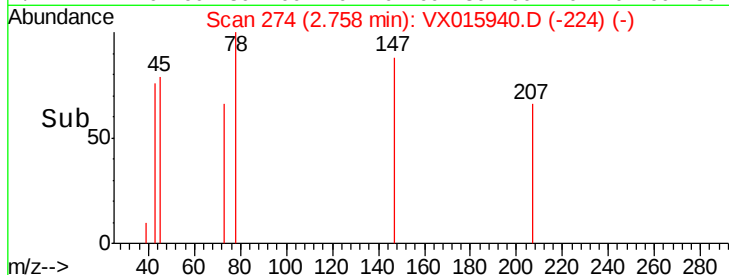


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.431 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

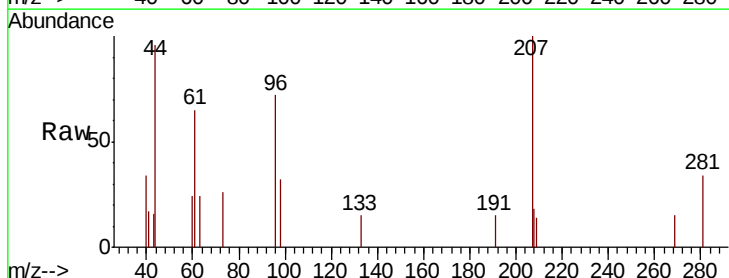
Tgt Ion: 96 Resp: 731

Ion Ratio Lower Upper

96 100

61 90.7 112.7 169.1#

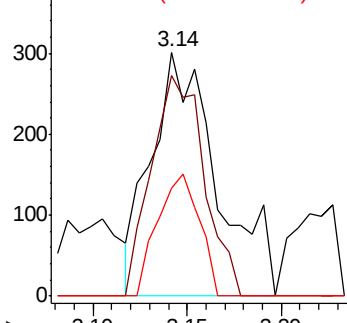
98 44.2 51.0 76.4#



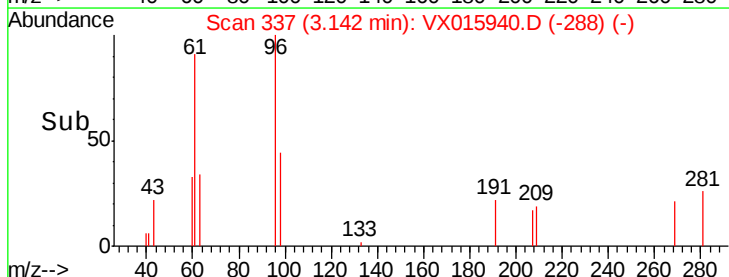
Abundance Ion 95.90 (95.60 to 96.60): VX0

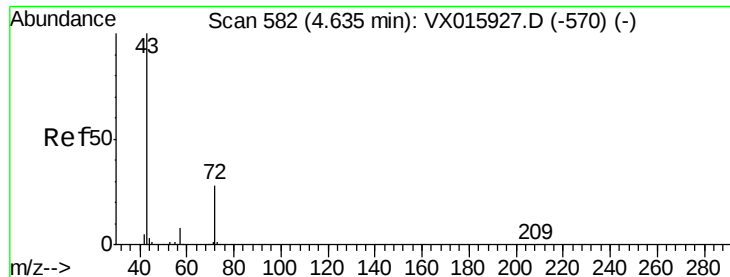
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->





#25

2-Butanone

Concen: 0.250 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX015940.D

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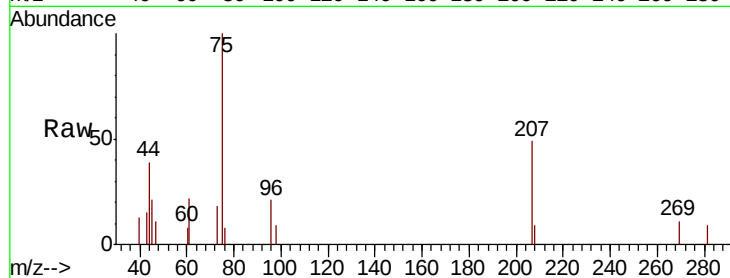
SS037MW042-200422

Tot Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

72 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200

150

100

50

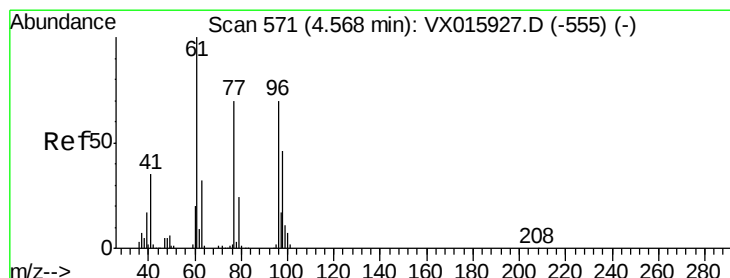
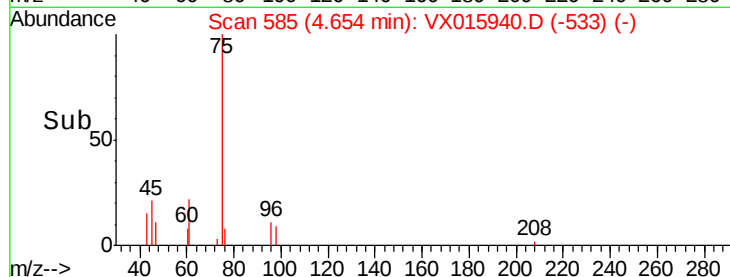
0

4.60

4.65

4.70

Time-->



#27

cis-1,2-Dichloroethene

Concen: 27.413 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

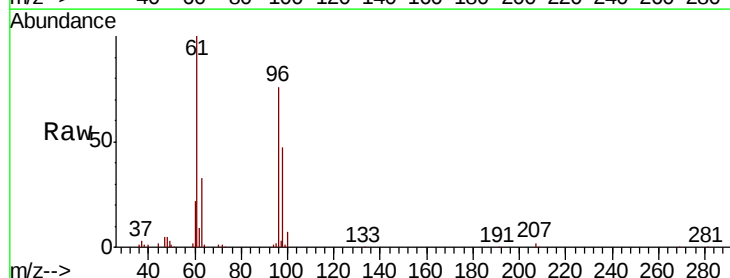
Tgt Ion: 96 Resp: 52746

Ion Ratio Lower Upper

96 100

61 128.6 0.0 293.4

98 63.2 0.0 129.0



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

30000

20000

10000

0

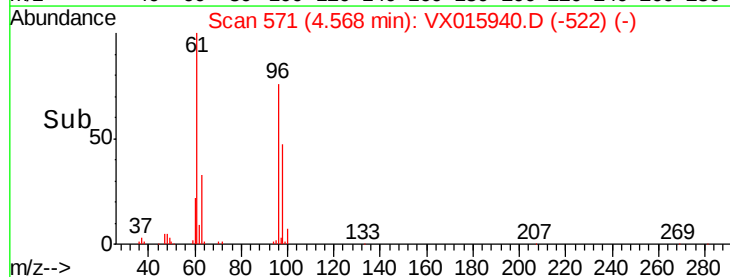
4.40

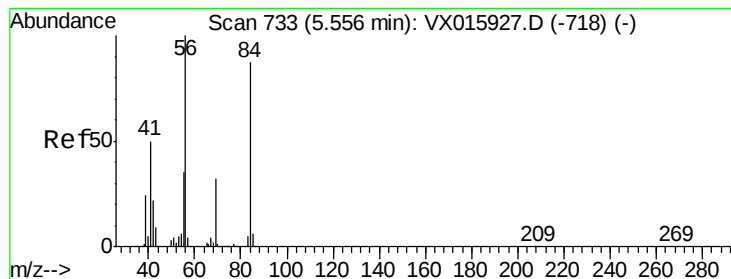
4.50

4.60

4.70

Time-->





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.07 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW042-200422

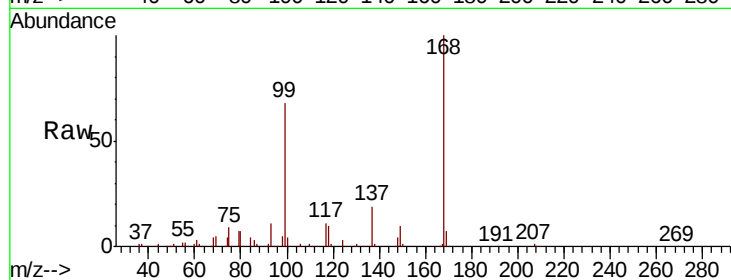
Tot Ion: 56 Resp: 3087

Ion Ratio Lower Upper

56 100

69 198.7 25.4 38.0#

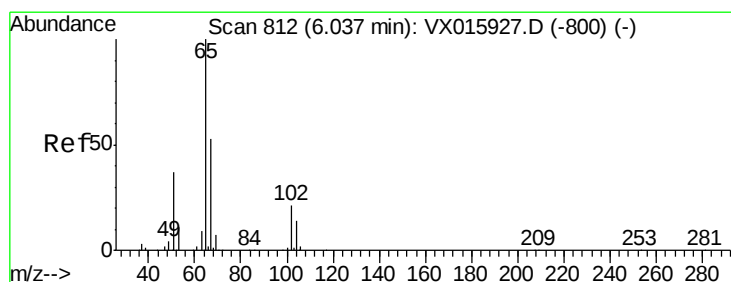
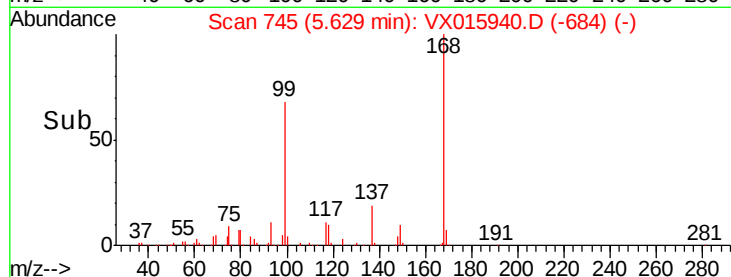
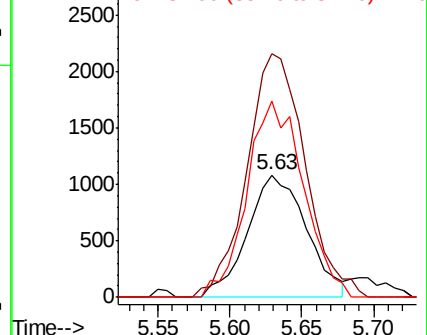
84 160.2 69.5 104.3#



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: 52.012 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015940.D

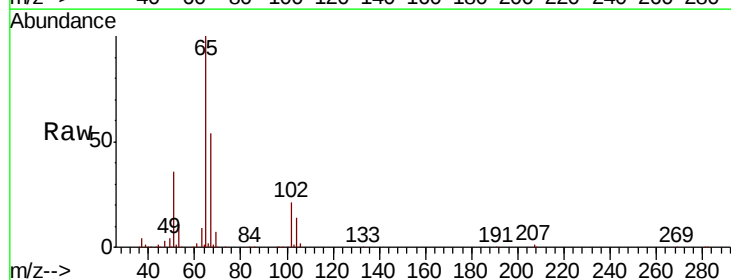
Acq: 24 Apr 2020 18:58

Tgt Ion: 65 Resp: 98474

Ion Ratio Lower Upper

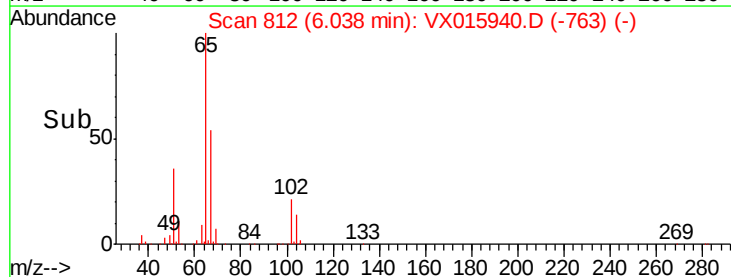
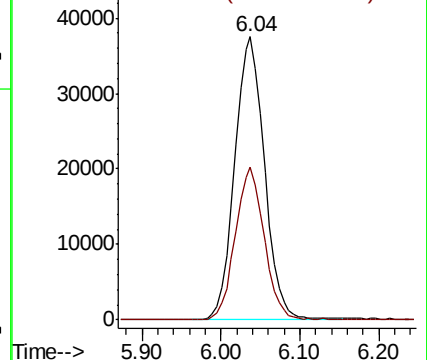
65 100

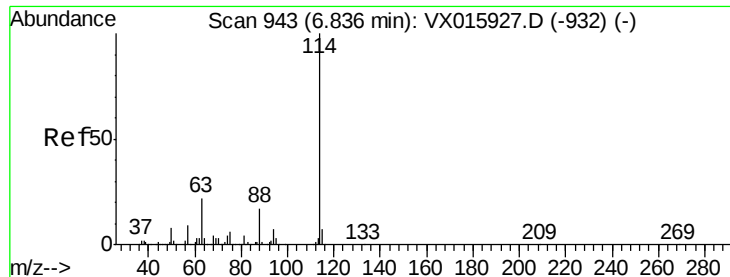
67 52.6 0.0 106.6



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. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW042-200422

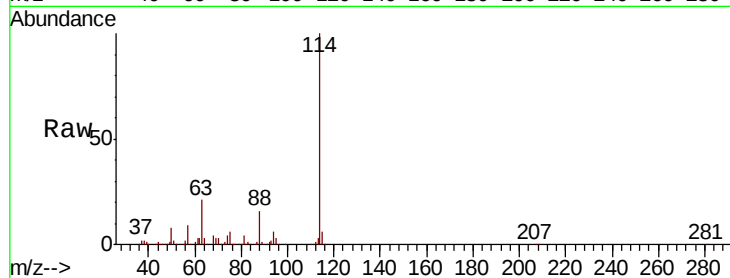
Tot Ion:114 Resp: 257057

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.4

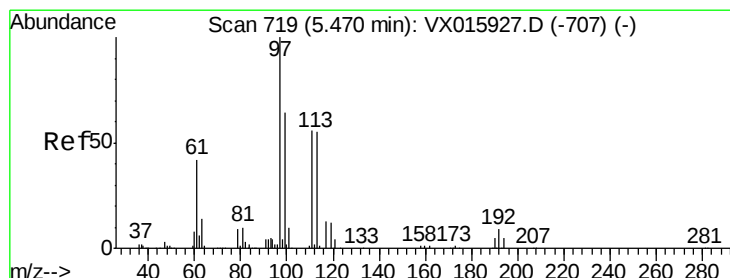
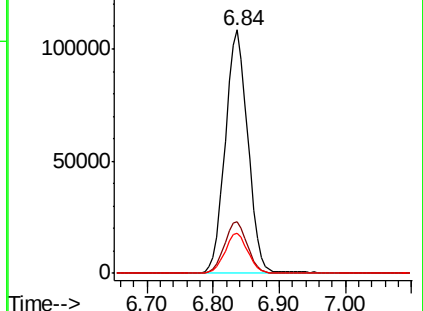
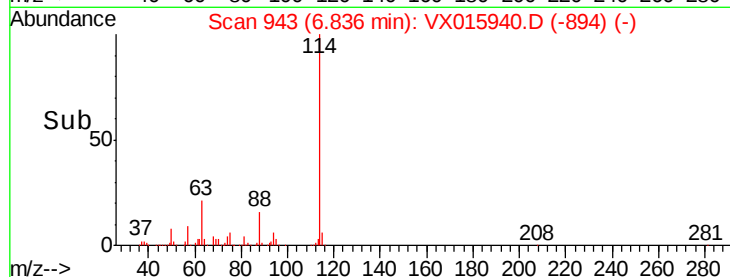
88 16.3 0.0 34.2



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: 53.584 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

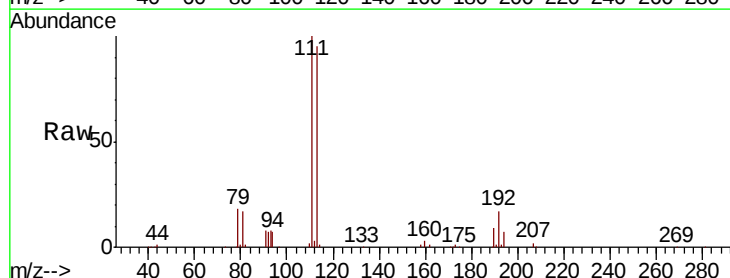
Tgt Ion:113 Resp: 75122

Ion Ratio Lower Upper

113 100

111 103.8 81.2 121.8

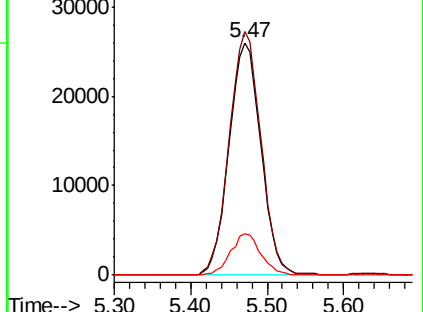
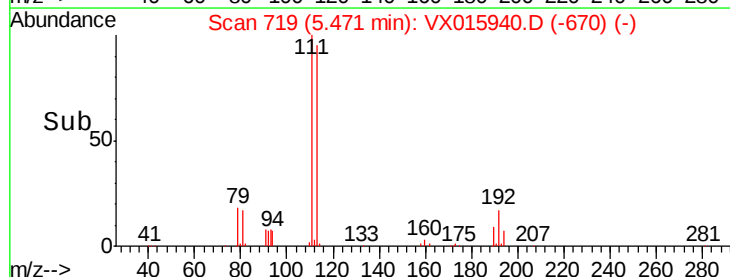
192 16.9 13.6 20.4

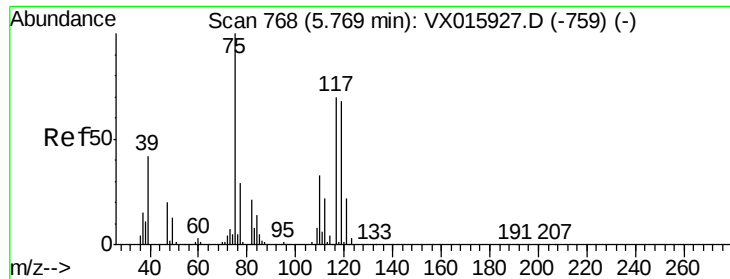


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.962 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW042-200422

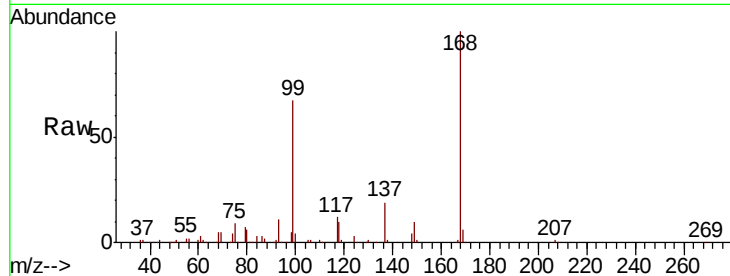
Tot Ion: 75 Resp: 12174

Ion Ratio Lower Upper

75 100

110 8.2 17.1 51.3#

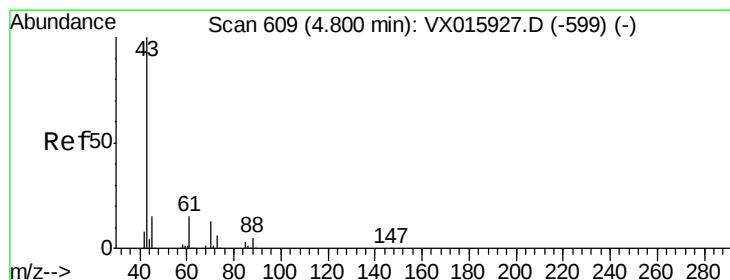
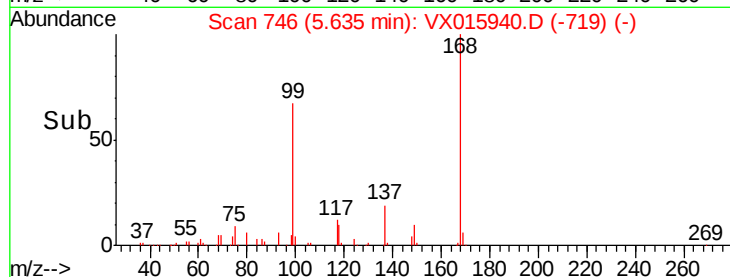
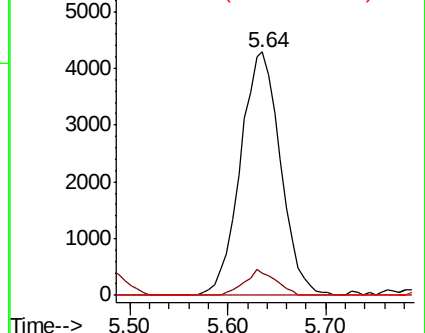
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.450 ug/l

RT: 4.76 min Scan# 603

Delta R.T. -0.04 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

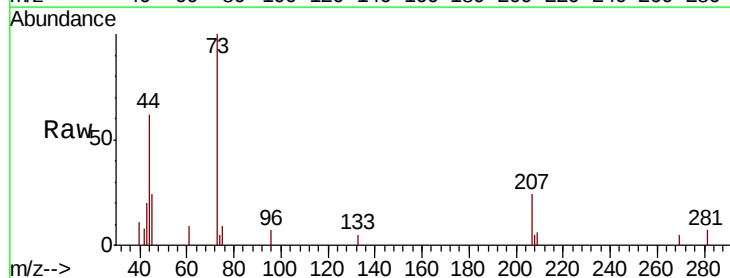
Tgt Ion: 43 Resp: 1108

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

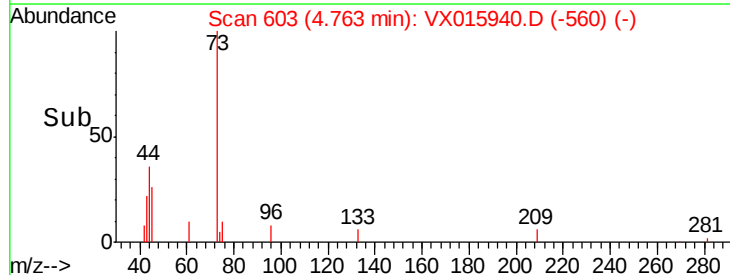
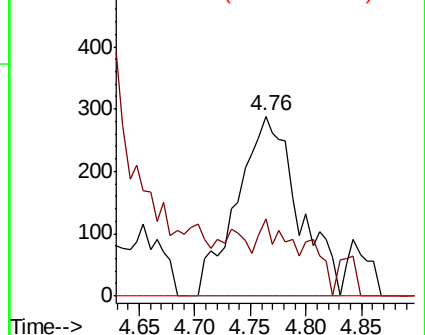
70 0.0 9.8 14.6#

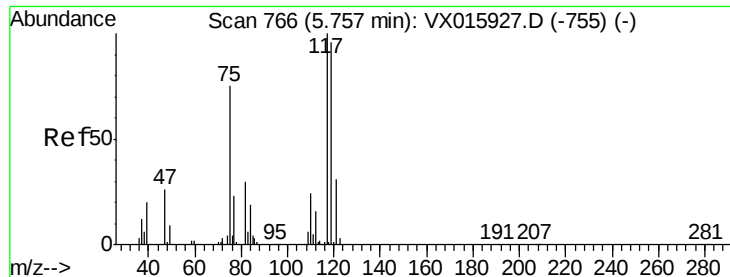


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.356 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW042-200422

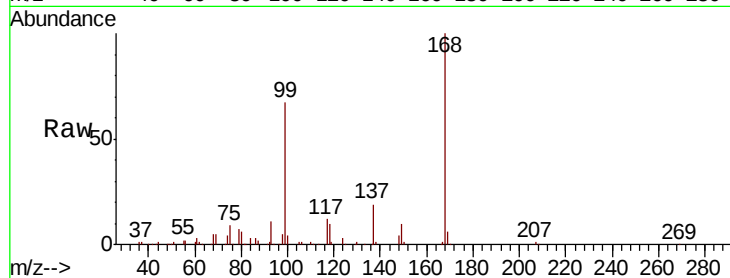
Tot Ion:117 Resp: 14248

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

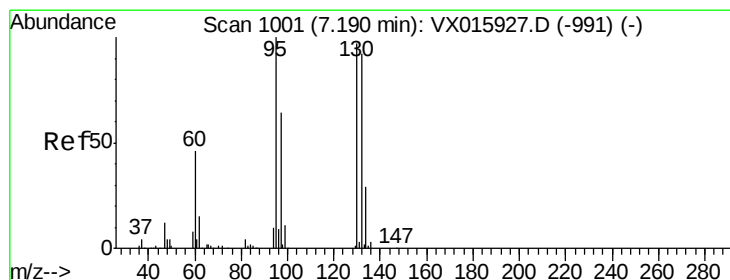
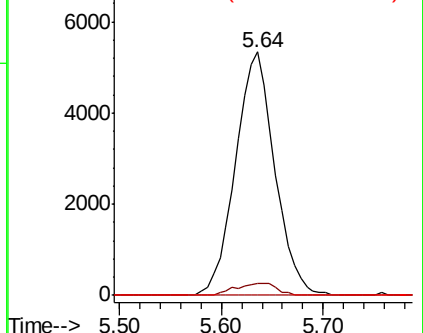
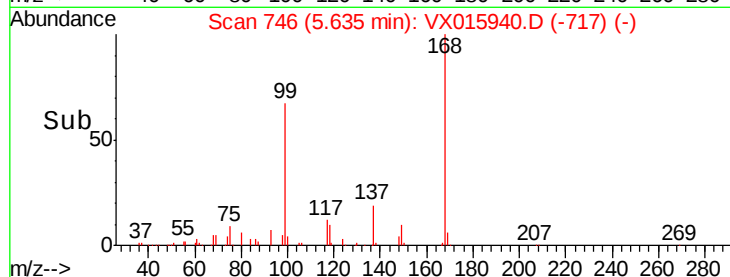
121 0.0 25.0 37.4#



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: 7.804 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX015940.D

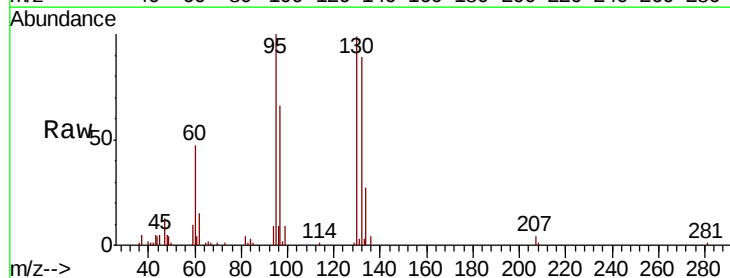
Acq: 24 Apr 2020 18:58

Tgt Ion:130 Resp: 17248

Ion Ratio Lower Upper

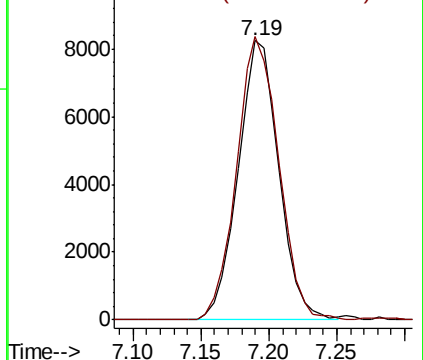
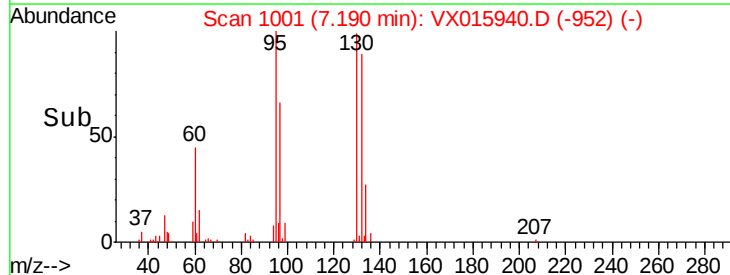
130 100

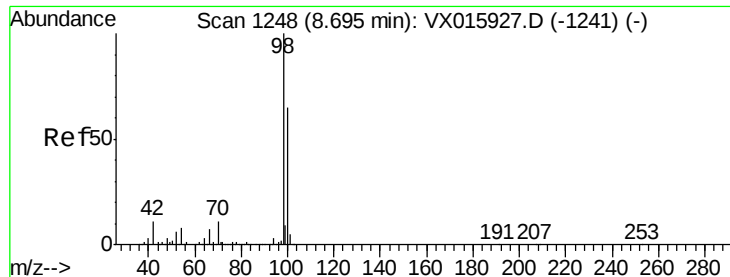
95 101.4 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 54.457 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

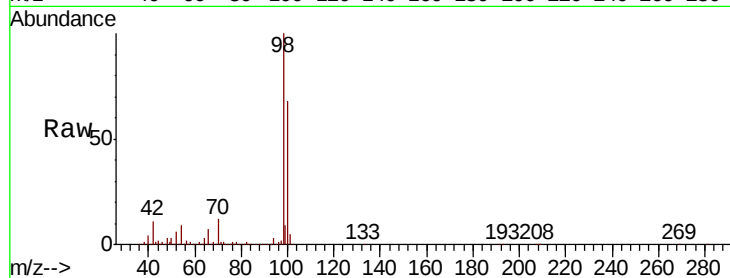
SS037MW042-200422

Tot Ion: 98 Resp: 323225

Ion Ratio Lower Upper

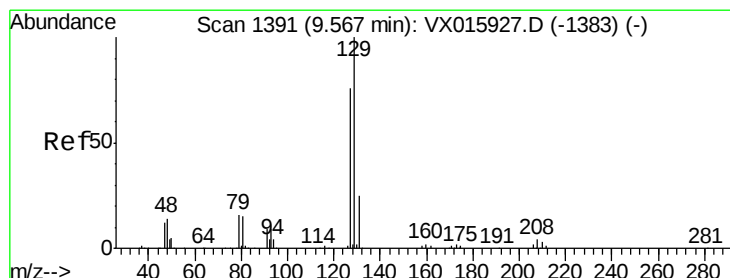
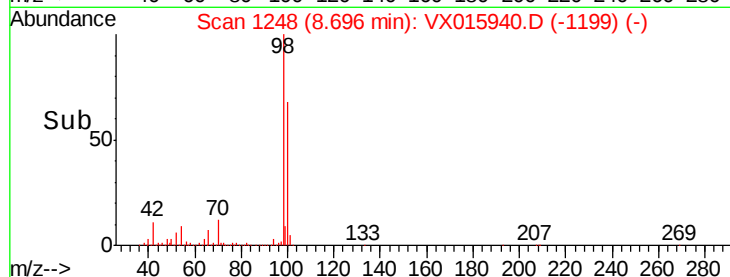
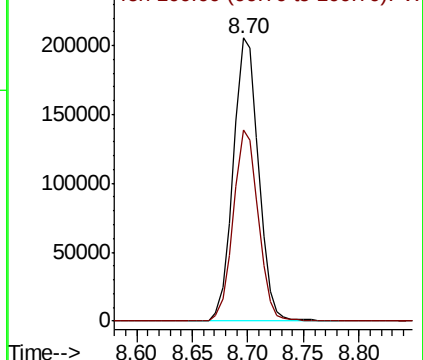
98 100

100 66.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 5.766 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX015940.D

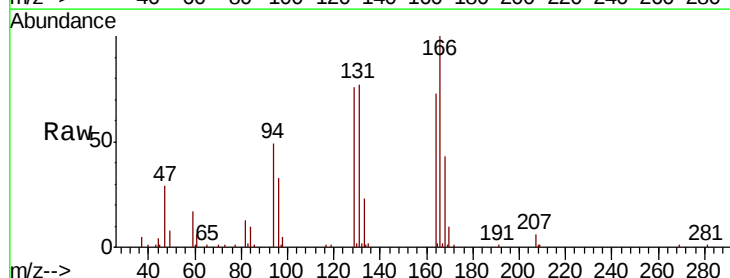
Acq: 24 Apr 2020 18:58

Tgt Ion: 129 Resp: 10416

Ion Ratio Lower Upper

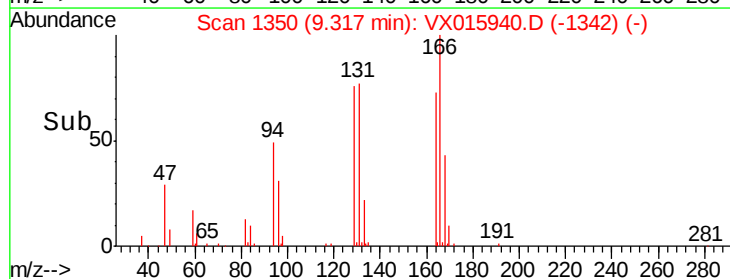
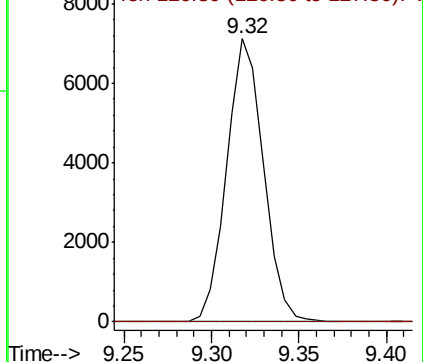
129 100

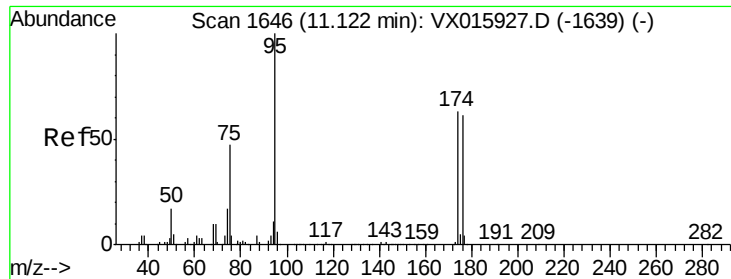
127 0.0 38.8 116.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

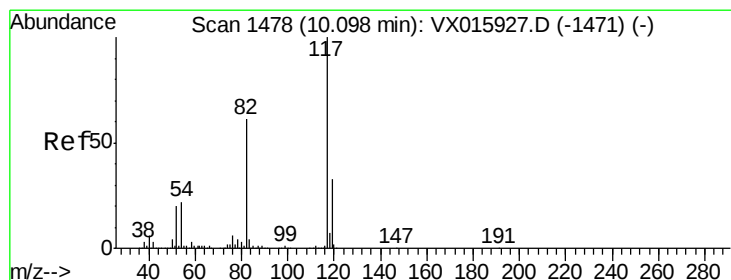
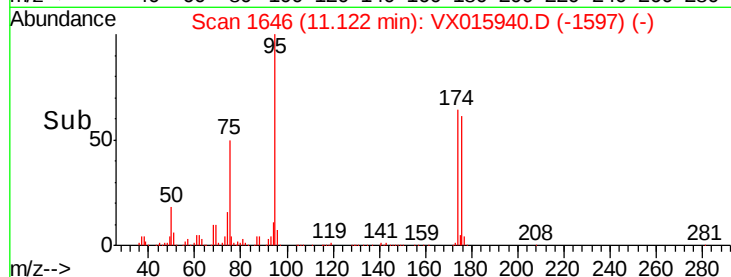
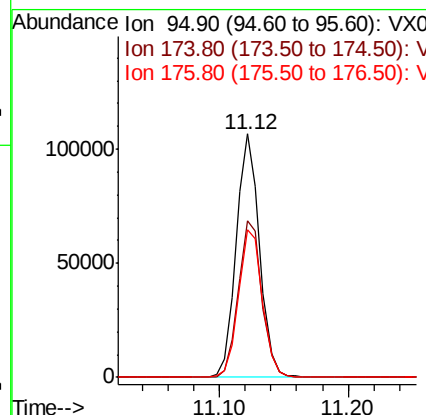
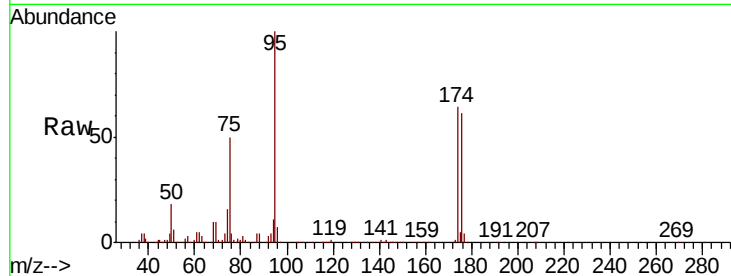




#62
4-Bromofluorobenzene
Concen: 55.892 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015940.D
Acq: 24 Apr 2020 18:58

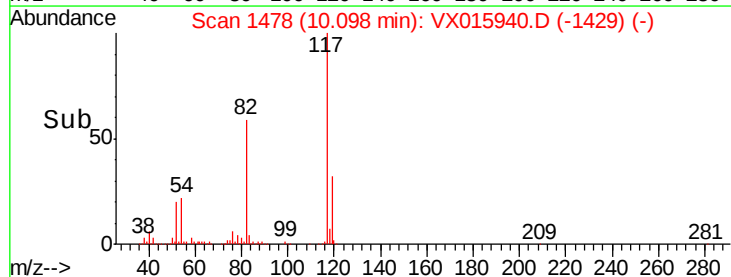
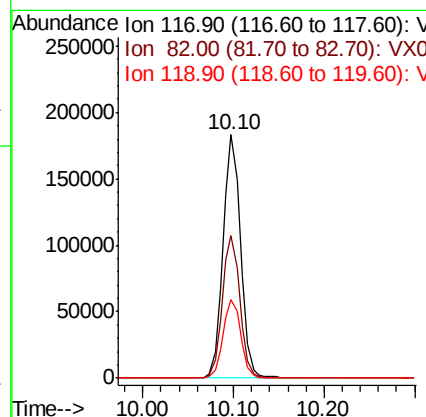
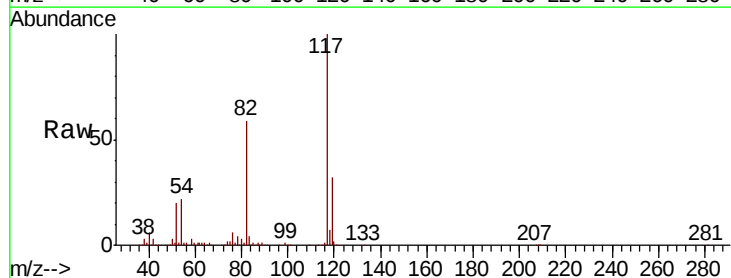
Instrument :
MSVOA_X
ClientSampleId :
SS037MW042-200422

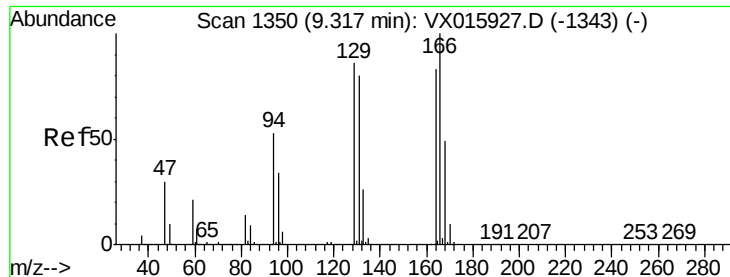
Tot Ion	95	Resp	134556
Ion Ratio	100	Lower	Upper
174	65.0	0.0	133.6
176	62.2	0.0	126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015940.D
Acq: 24 Apr 2020 18:58

Tgt Ion	117	Resp	248265
Ion Ratio	100	Lower	Upper
82	58.7	48.5	72.7
119	32.2	26.2	39.4





#64

Tetrachloroethene

Concen: 4.118 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

SS037MW042-200422

Tot Ion:164 Resp: 10174

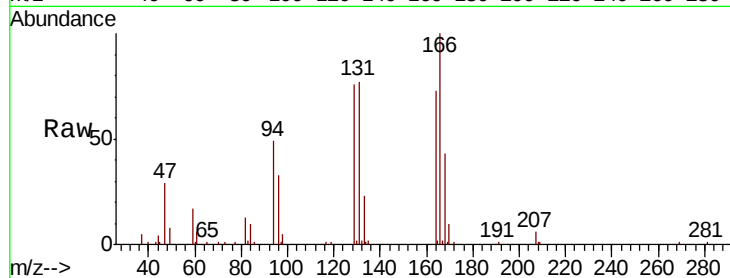
Ion Ratio Lower Upper

164 100

166 137.7 96.7 145.1

129 104.9 82.8 124.2

131 105.8 77.0 115.4

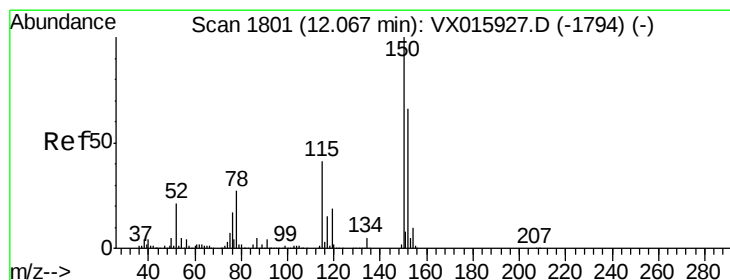
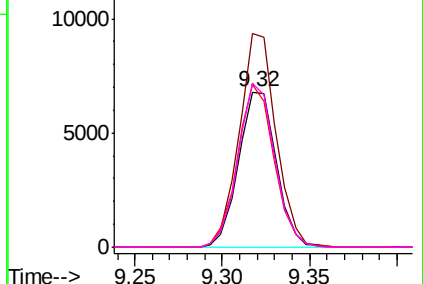
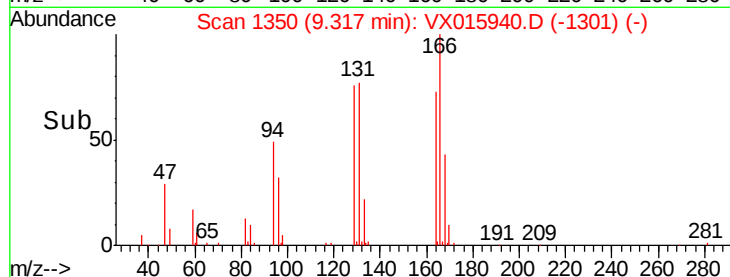


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

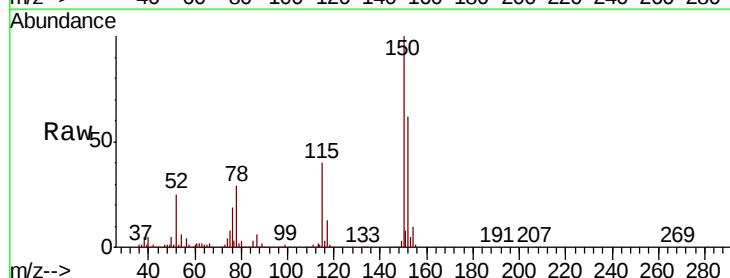
Tgt Ion:152 Resp: 122086

Ion Ratio Lower Upper

152 100

115 63.5 44.1 132.4

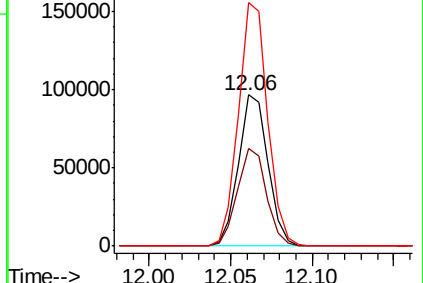
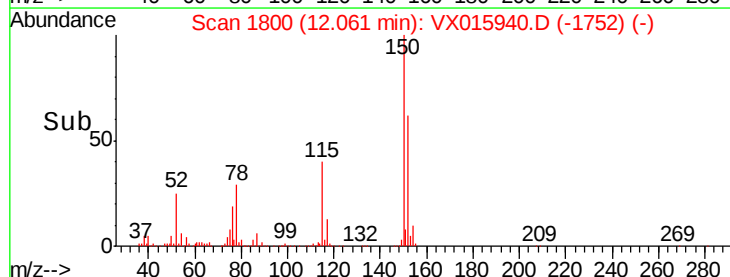
150 159.3 0.0 343.6

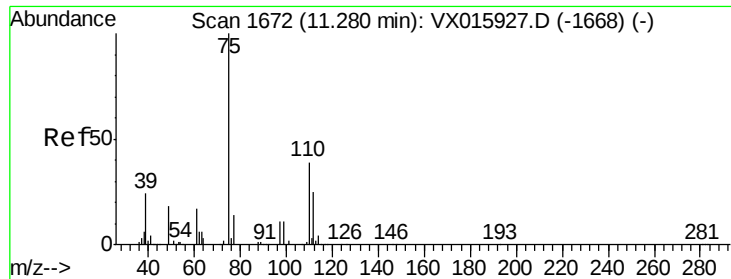


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.496 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

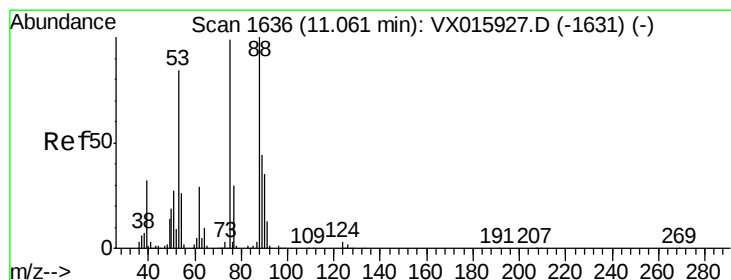
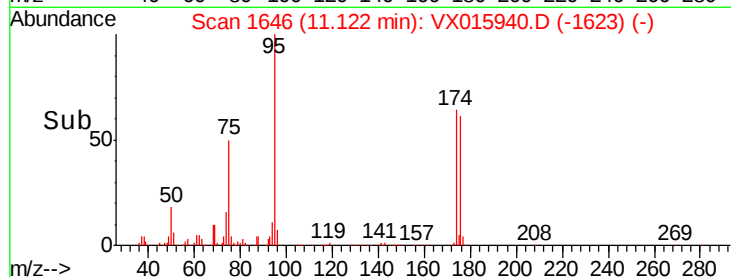
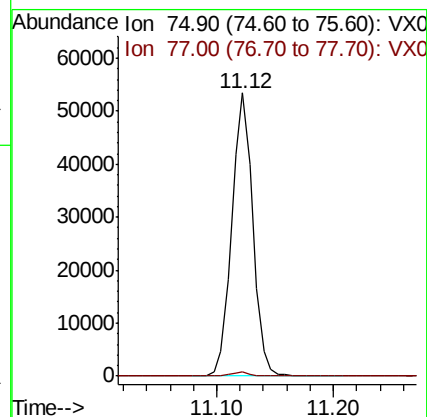
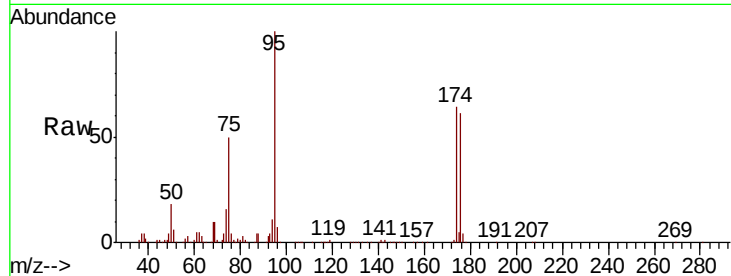
SS037MW042-200422

Tot Ion: 75 Resp: 66769

Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.432 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015940.D

Acq: 24 Apr 2020 18:58

Tgt Ion: 75 Resp: 66769

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.0 36.3 54.5#

