

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015955.D
 Acq On : 25 Apr 2020 00:38
 Operator : JC/SP
 Sample : L2118-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EO-02-042320

Quant Time: Apr 25 06:56:48 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	135346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	266650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	259967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	125937	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	99415	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	5.47	113	76599	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
50) Toluene-d8	8.70	98	334538	54.34	ug/l	0.00
Spiked Amount			Recovery	=	108.68%	
62) 4-Bromofluorobenzene	11.12	95	137639	55.12	ug/l	0.00
Spiked Amount			Recovery	=	110.24%	

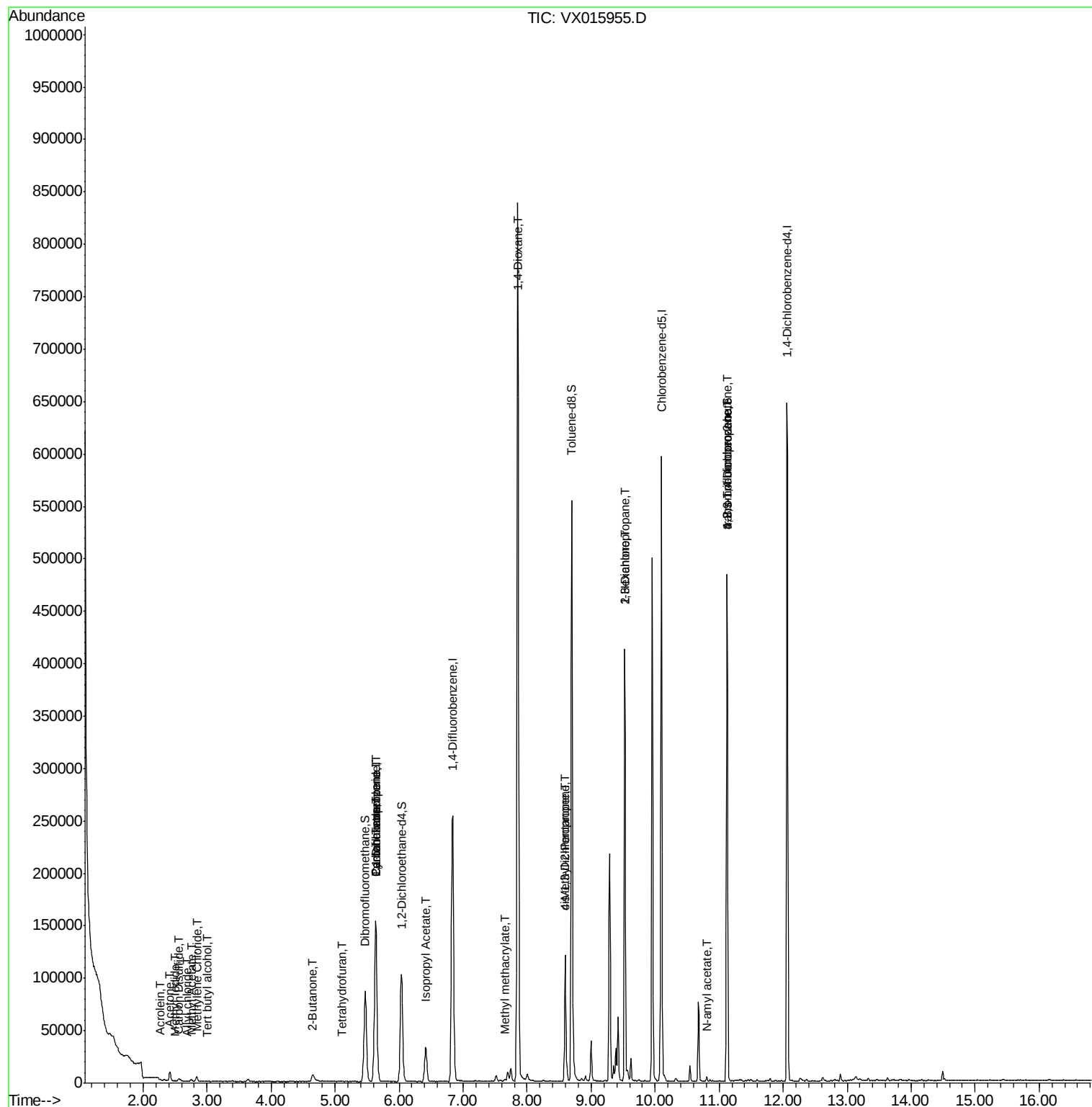
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	18	4.822	ug/l #	41
11) Tert butyl alcohol	3.01	59	241	0.587	ug/l #	72
13) Acrolein	2.27	56	184	0.722	ug/l #	20
14) Allyl chloride	2.70	41	641	0.237	ug/l #	35
16) Acetone	2.42	43	9385	13.092	ug/l	98
17) Carbon Disulfide	2.56	76	2812	0.368	ug/l	97
18) Methyl Acetate	2.75	43	2135	0.985	ug/l	94
20) Methylene Chloride	2.83	84	2153	1.214	ug/l	88
25) 2-Butanone	4.65	43	2339	2.004	ug/l	98
29) Tetrahydrofuran	5.11	42	443	0.576	ug/l #	55
31) Cyclohexane	5.64	56	3052	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	12333	4.846	ug/l #	49
38) Carbon Tetrachloride	5.64	117	14851	6.386	ug/l #	15
43) Isopropyl Acetate	6.42	43	44531	10.618	ug/l	100
48) Methyl methacrylate	7.65	41	2686	1.302	ug/l #	12
49) 1,4-Dioxane	7.85	88	110	2.398	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	41745	16.979	ug/l #	49
54) cis-1,3-Dichloropropene	8.60	75	20562	6.294	ug/l #	57
57) 1,3-Dichloropropane	9.52	76	3657	1.133	ug/l #	47
59) 2-Hexanone	9.52	43	46306	24.804	ug/l #	47
74) N-amyl acetate	10.81	43	2216	0.545	ug/l #	43
76) 1,2,3-Trichloropropane	11.12	75	67696	25.059	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	67696	56.449	ug/l #	14

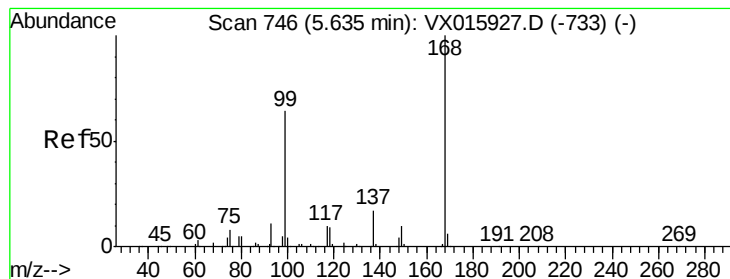
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015955.D

Acq: 25 Apr 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

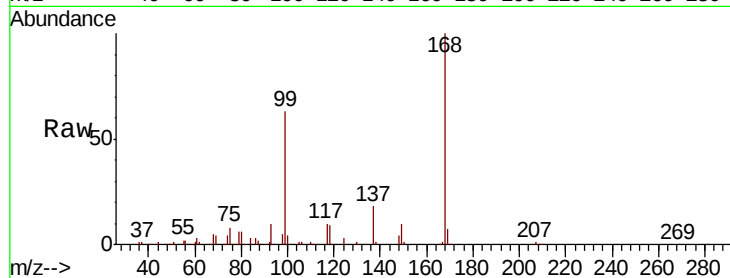
EO-02-042320

Tot Ion:168 Resp: 135346

Ion Ratio Lower Upper

168 100

99 63.1 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

50000

40000

30000

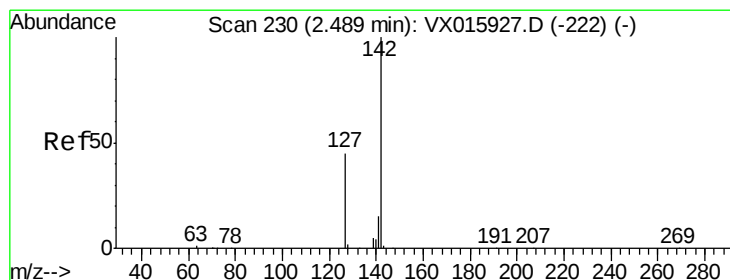
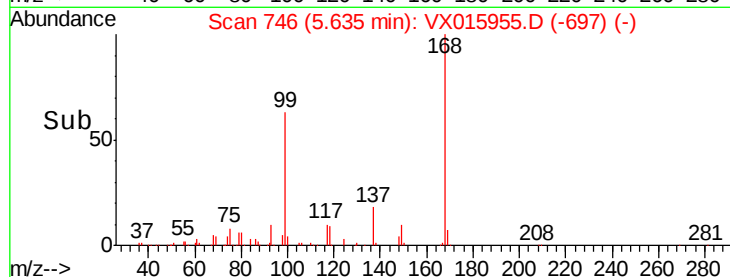
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 4.822 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

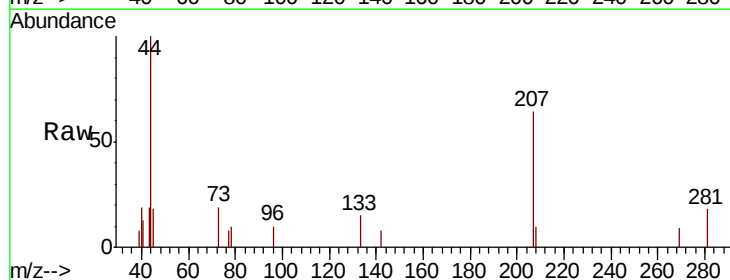
Tgt Ion:142 Resp: 18

Ion Ratio Lower Upper

142 100

127 0.0 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

2.50

60

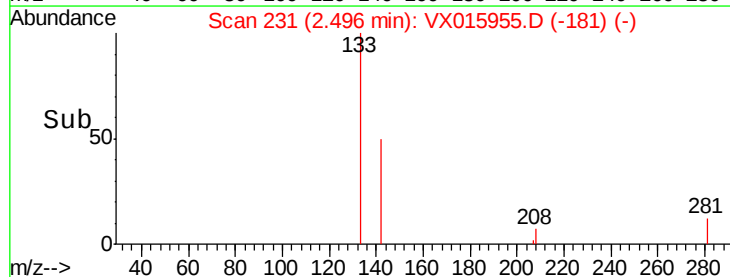
40

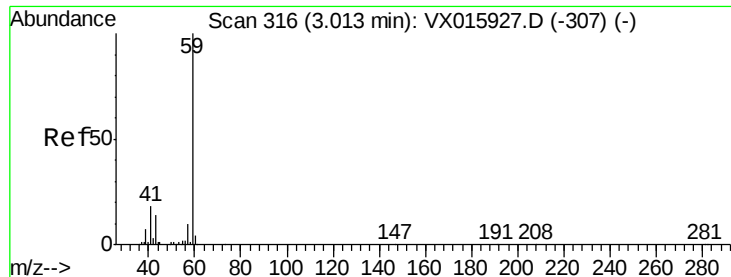
20

0

2.48 2.49 2.50 2.51

Time-->





#11

Tert butyl alcohol

Concen: 0.587 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

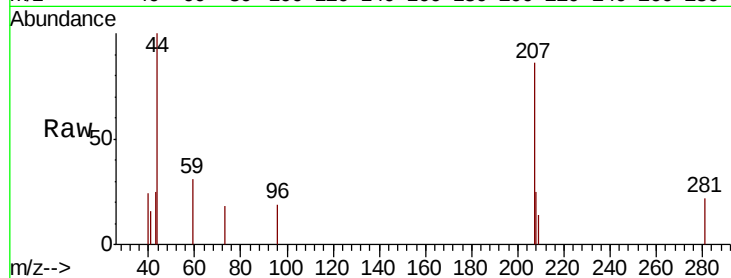
EO-02-042320

Tot Ion: 59 Resp: 241

Ion Ratio Lower Upper

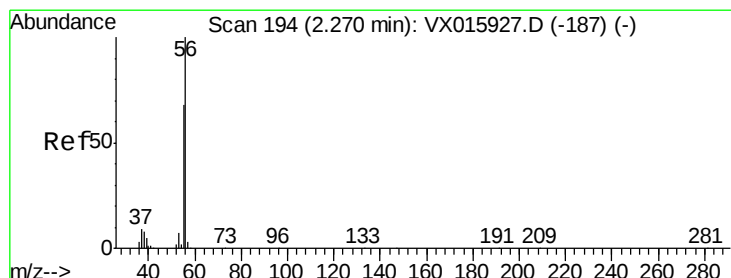
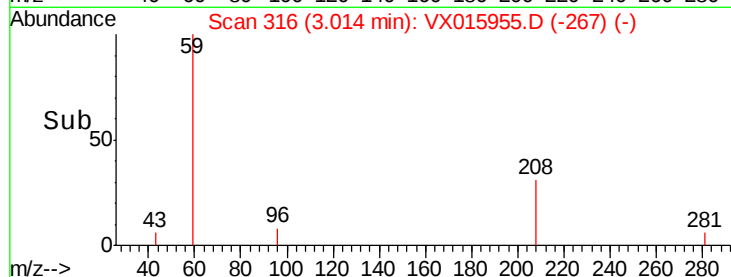
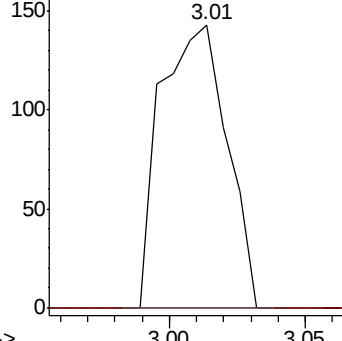
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.722 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX015955.D

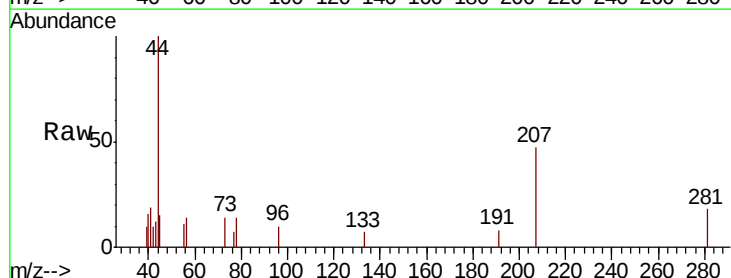
Acq: 25 Apr 2020 00:38

Tgt Ion: 56 Resp: 184

Ion Ratio Lower Upper

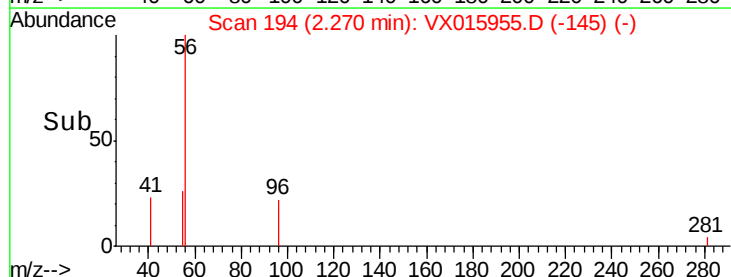
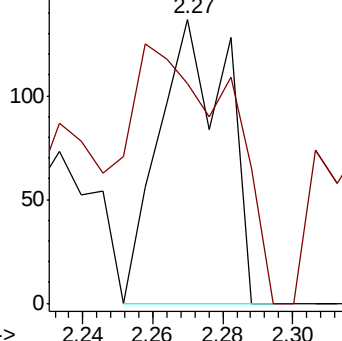
56 100

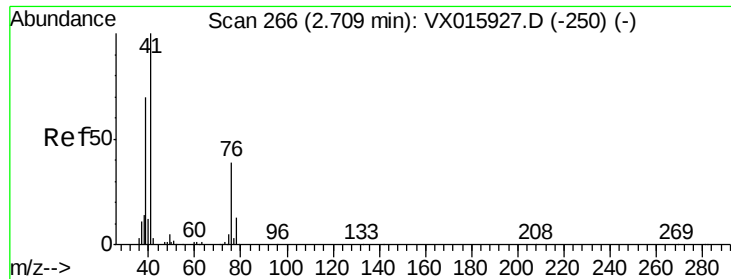
55 135.9 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

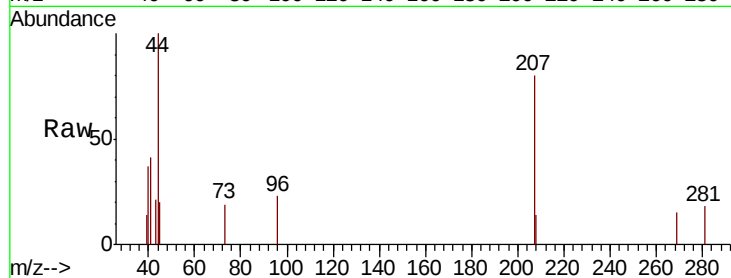




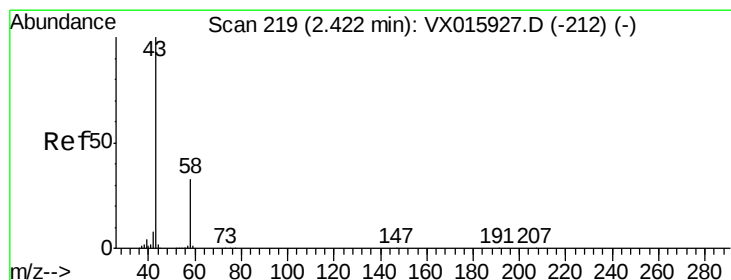
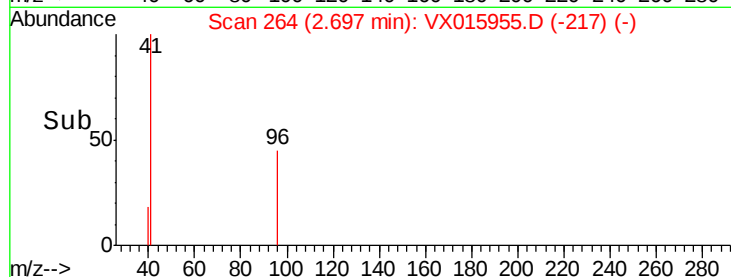
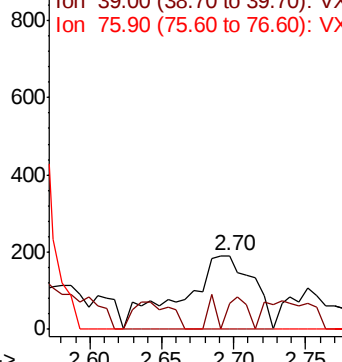
#14
Allvl chloride
Concen: 0.237 ug/l
RT: 2.70 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

Instrument :
MSVOA_X
ClientSampleId :
EO-02-042320

Tot Ion: 41 Resp: 641
Ion Ratio Lower Upper
41 100
39 12.2 51.6 77.4#
76 0.0 29.3 43.9#

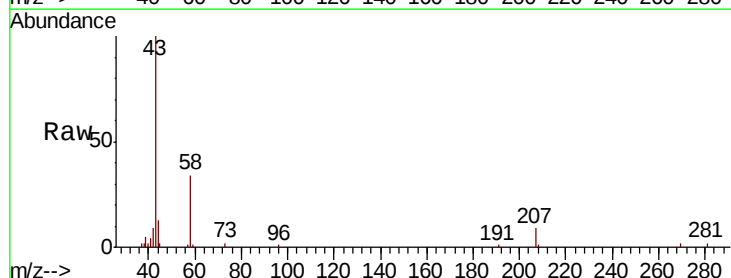


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0

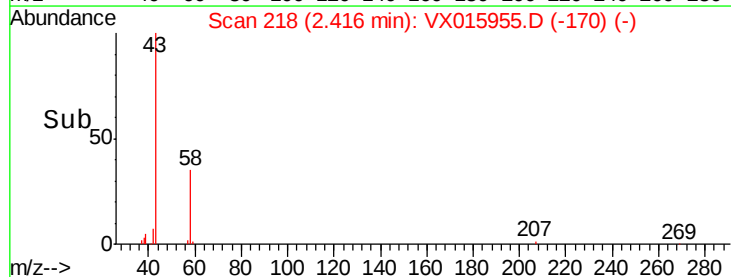
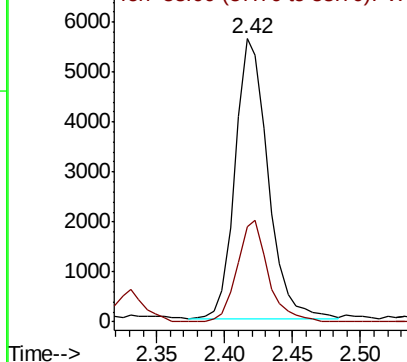


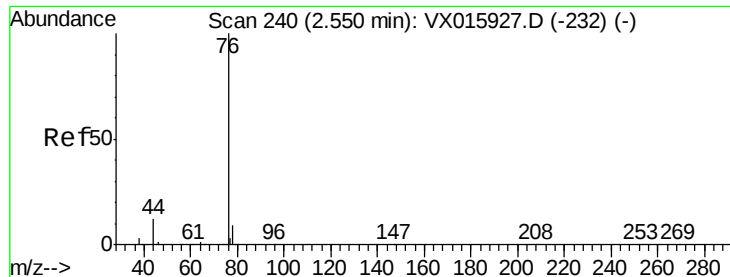
#16
Acetone
Concen: 13.092 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

Tgt Ion: 43 Resp: 9385
Ion Ratio Lower Upper
43 100
58 34.0 26.4 39.6



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





#17

Carbon Disulfide

Concen: 0.368 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

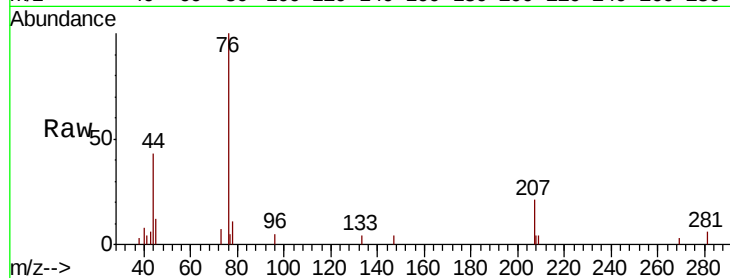
EO-02-042320

Tot Ion: 76 Resp: 2812

Ion Ratio Lower Upper

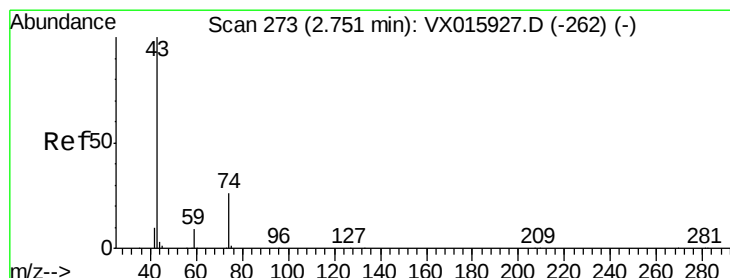
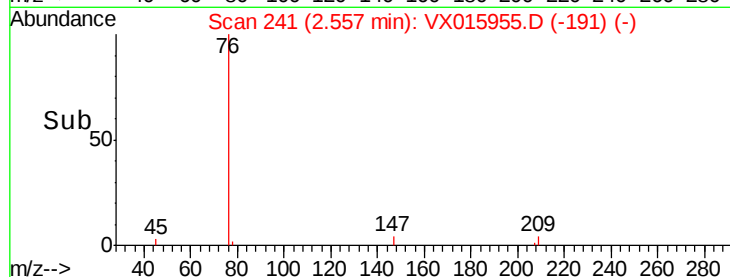
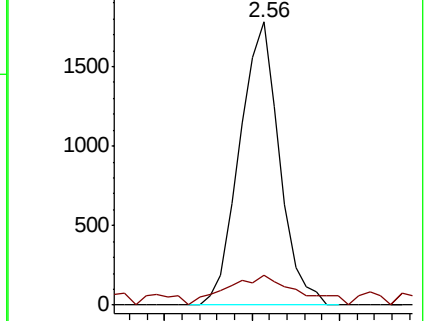
76 100

78 10.6 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.985 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015955.D

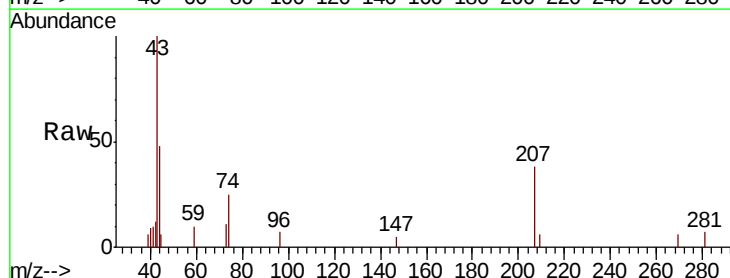
Acq: 25 Apr 2020 00:38

Tgt Ion: 43 Resp: 2135

Ion Ratio Lower Upper

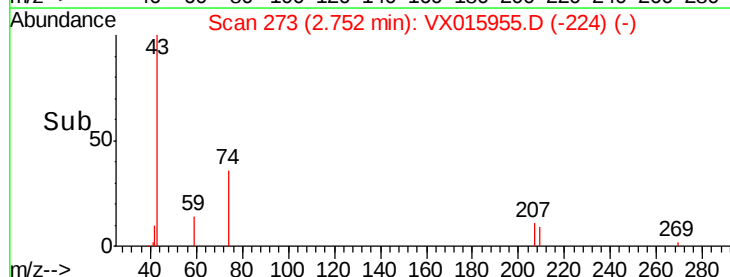
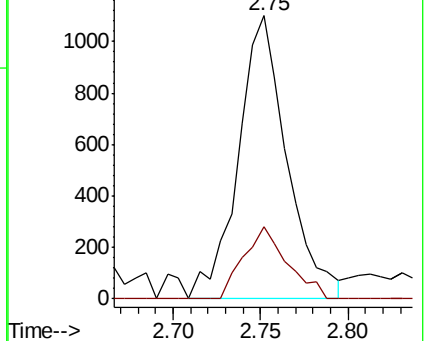
43 100

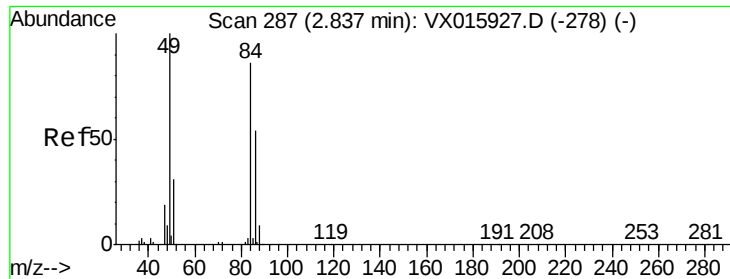
74 22.9 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

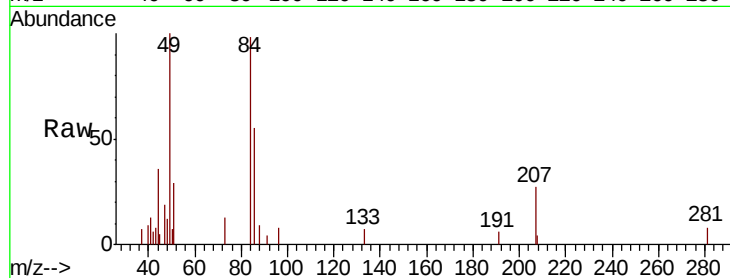




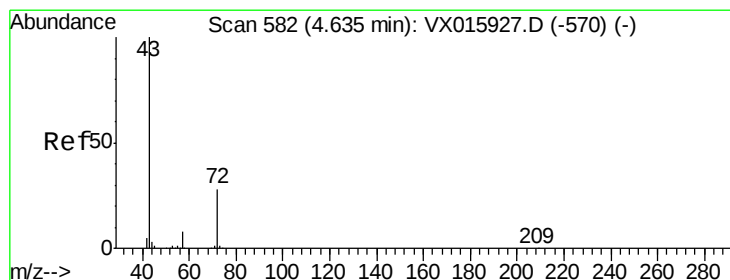
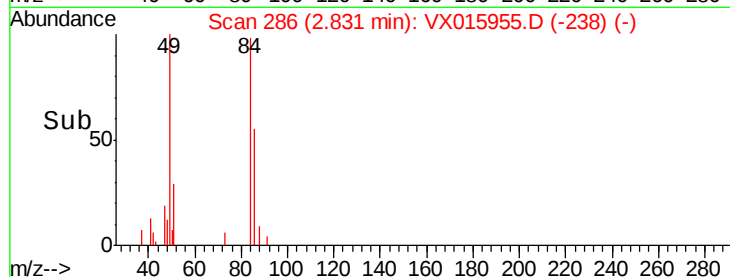
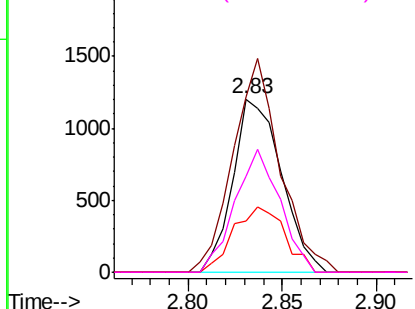
#20
Methvlene Chloride
Concen: 1.214 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

Instrument :
MSVOA_X
ClientSampled :
EO-02-042320

Tot Ion:	84	Resp:	2153
Ion	Ratio	Lower	Upper
84	100		
49	101.7	93.0	139.6
51	29.6	28.6	43.0
86	55.6	50.4	75.6

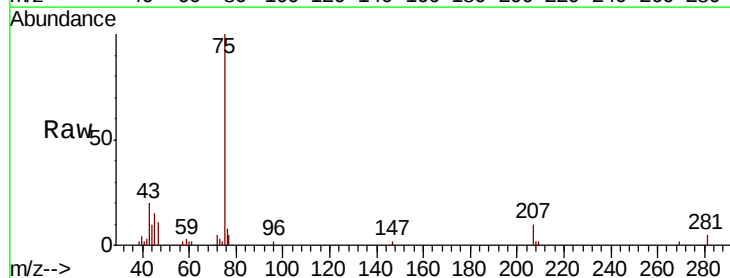


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

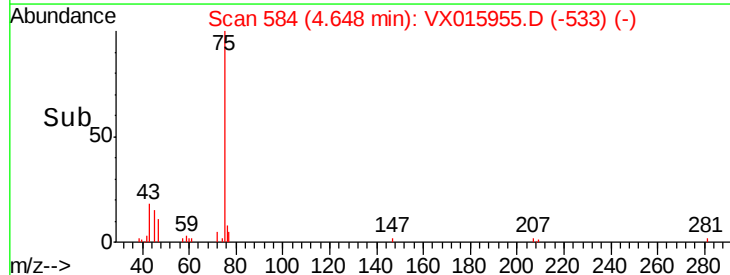
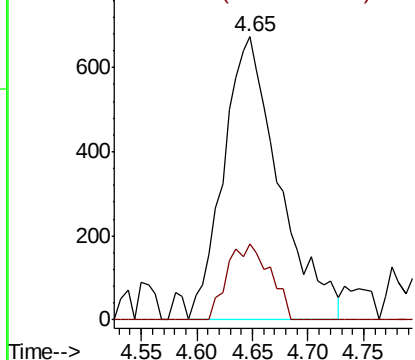


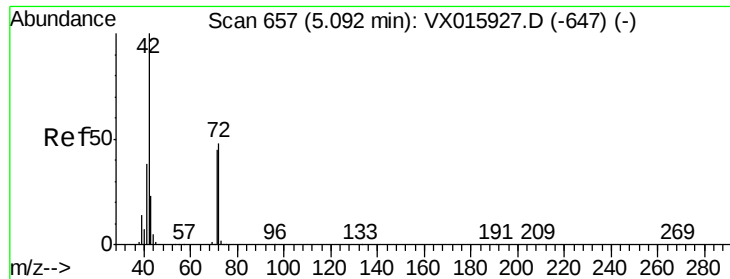
#25
2-Butanone
Concen: 2.004 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

Tgt Ion:	43	Resp:	2339
Ion	Ratio	Lower	Upper
43	100		
72	26.9	22.4	33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.576 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

EO-02-042320

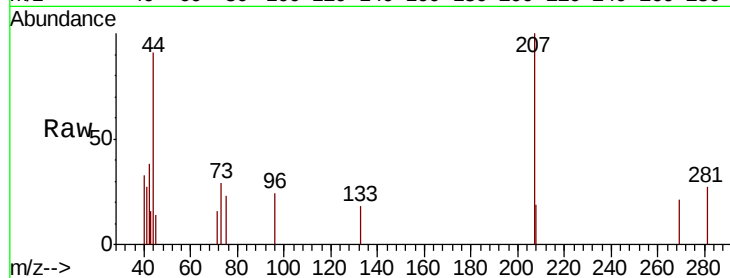
Tot Ion: 42 Resp: 443

Ion Ratio Lower Upper

42 100

72 11.1 39.5 59.3#

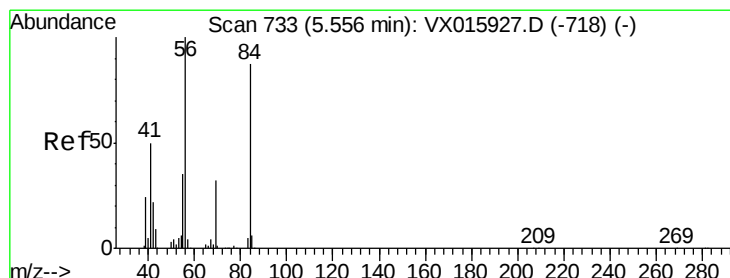
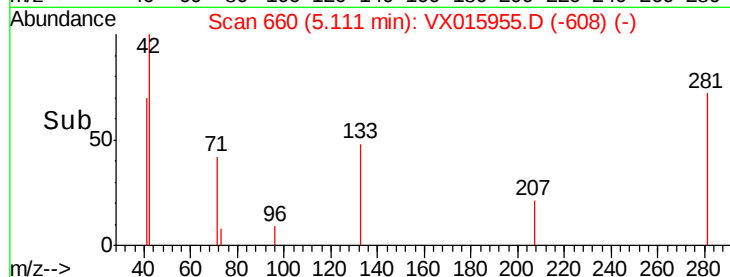
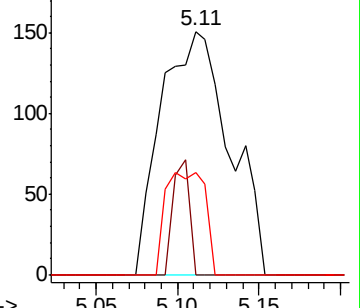
71 24.4 36.4 54.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.065 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

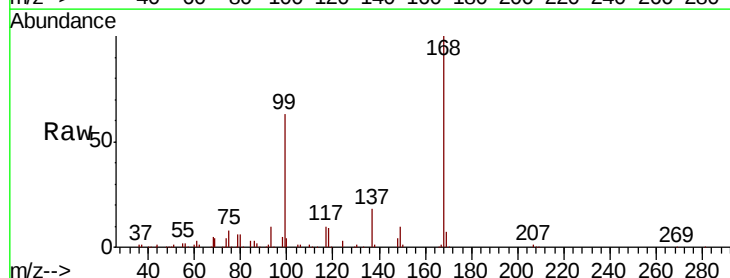
Tgt Ion: 56 Resp: 3052

Ion Ratio Lower Upper

56 100

69 193.2 25.4 38.0#

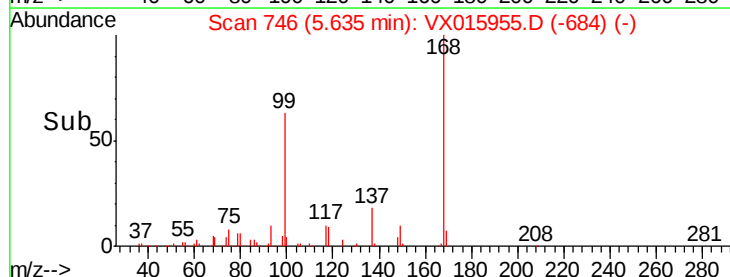
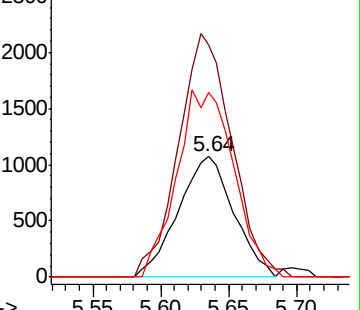
84 153.4 69.5 104.3#

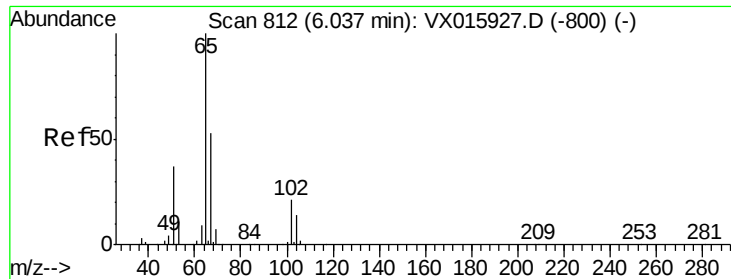


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.020 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

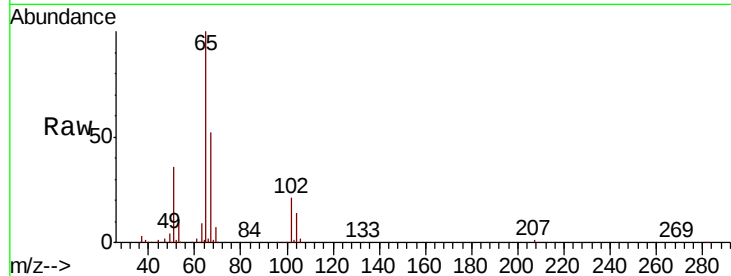
EO-02-042320

Tot Ion: 65 Resp: 99415

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

6.03

40000

30000

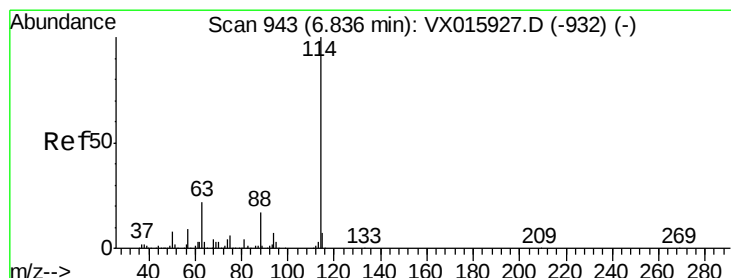
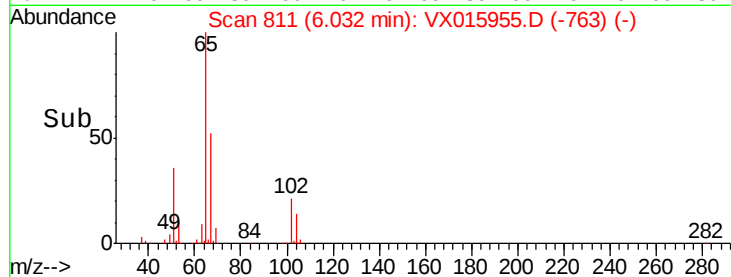
20000

10000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

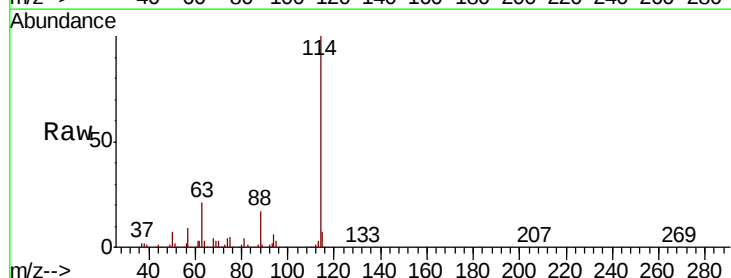
Tgt Ion: 114 Resp: 266650

Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.4

88 16.5 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

150000

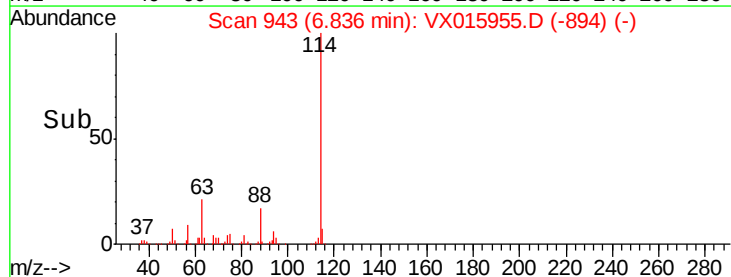
100000

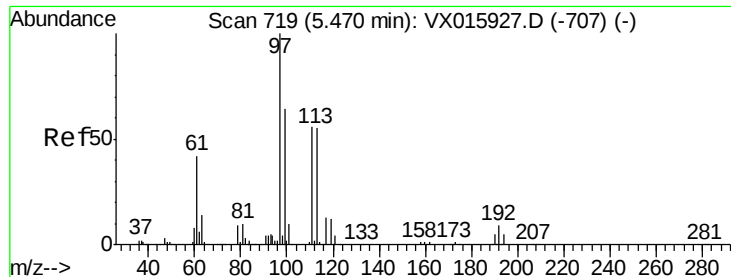
50000

0

6.70 6.80 6.90 7.00 7.10

Time-->

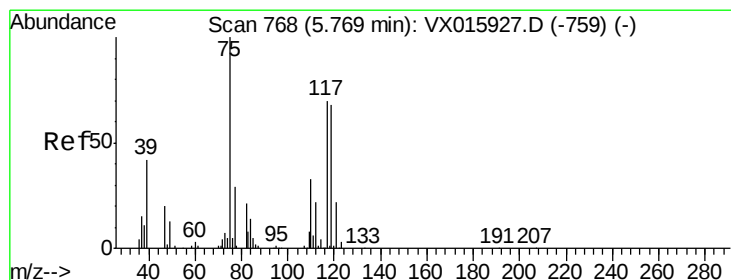
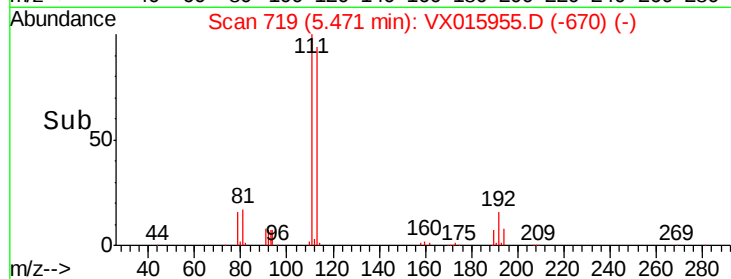
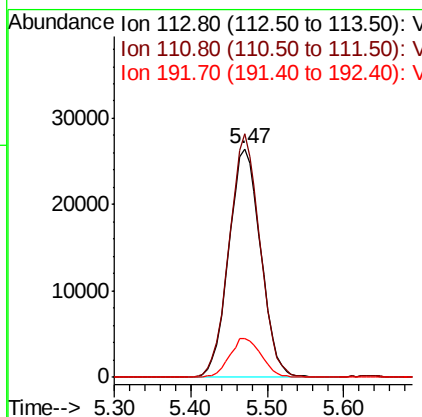
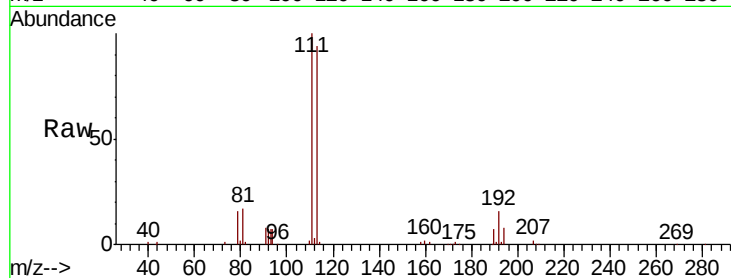




#35
 Dibromofluoromethane
 Concen: 52.672 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015955.D
 Acq: 25 Apr 2020 00:38

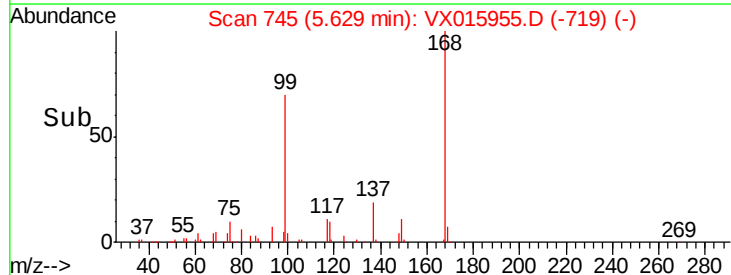
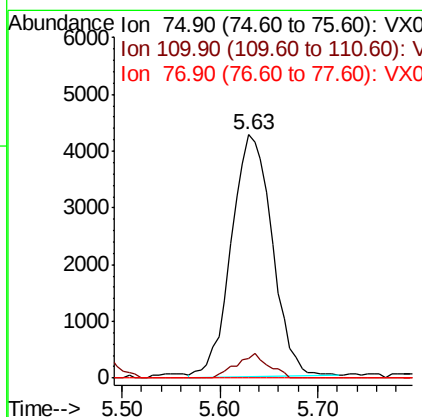
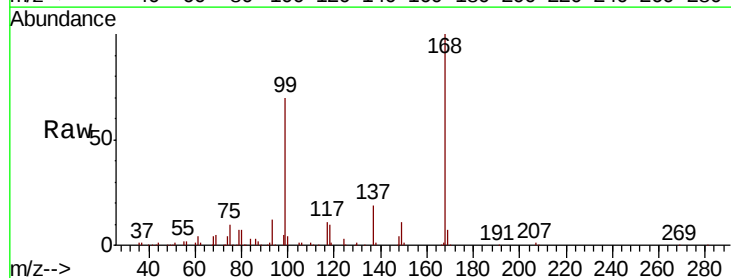
Instrument :
 MSVOA_X
 ClientSampleId :
 EO-02-042320

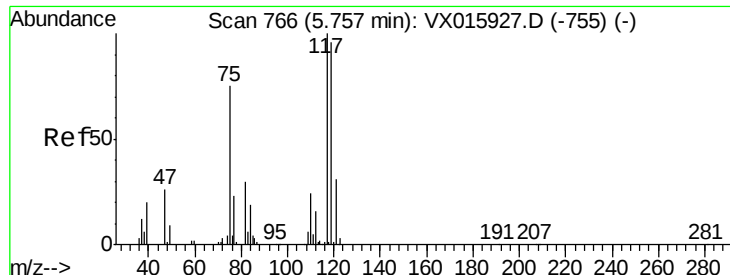
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.2	121.8
192	17.0	13.6	20.4



#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX015955.D
 Acq: 25 Apr 2020 00:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.1	51.3#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.386 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

EO-02-042320

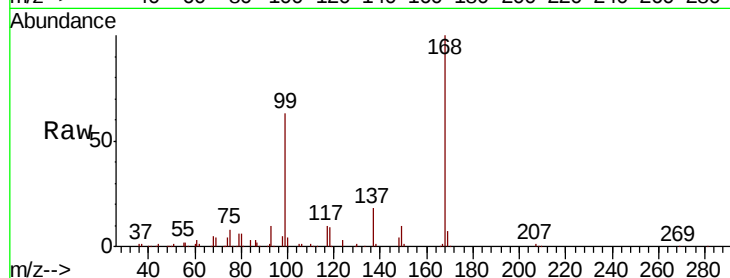
Tot Ion:117 Resp: 14851

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

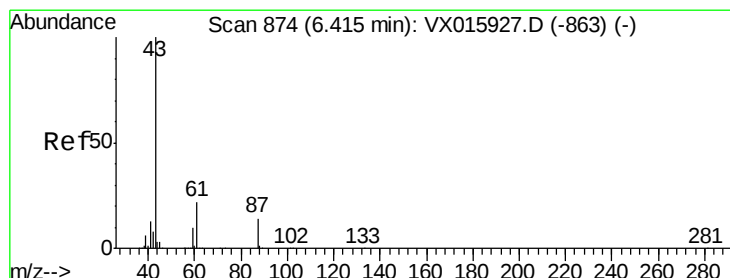
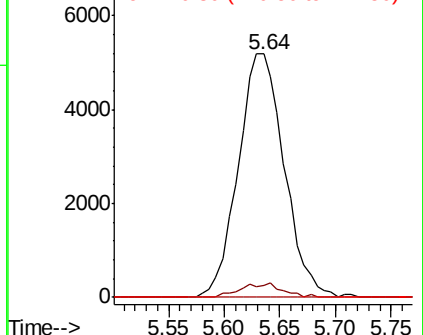
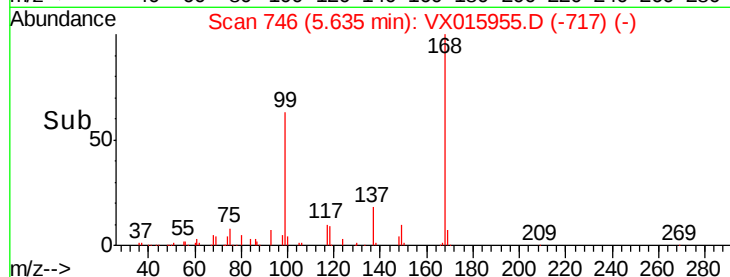
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 10.618 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

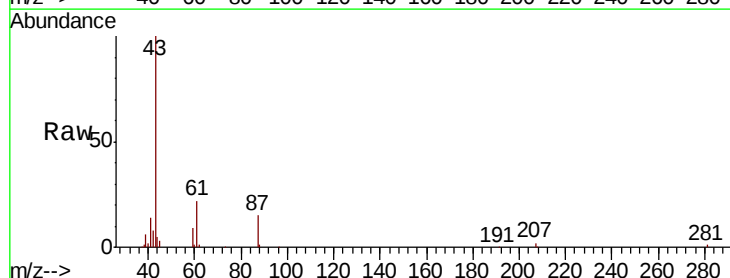
Tgt Ion: 43 Resp: 44531

Ion Ratio Lower Upper

43 100

61 22.0 17.6 26.4

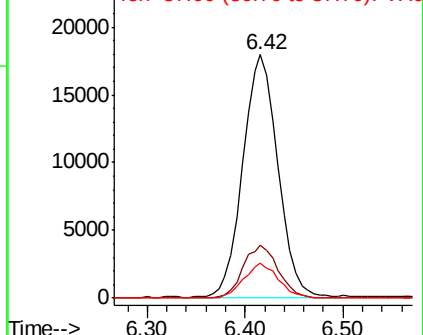
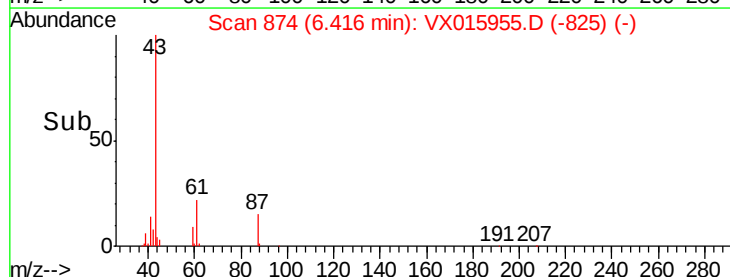
87 14.2 11.6 17.4

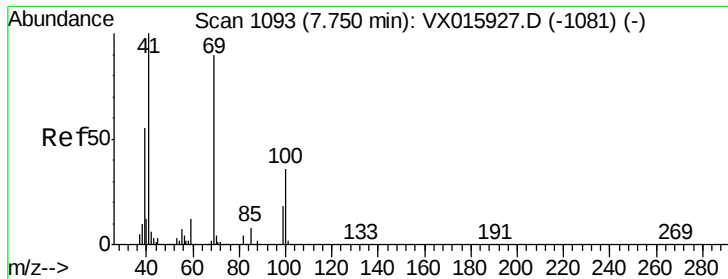


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

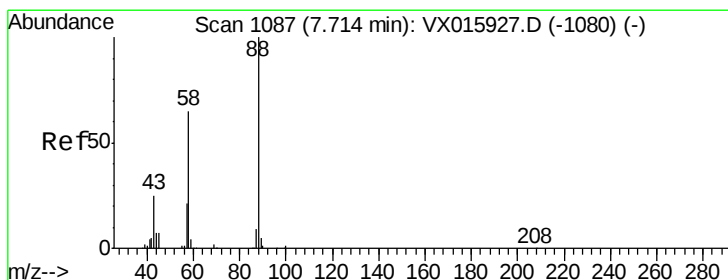
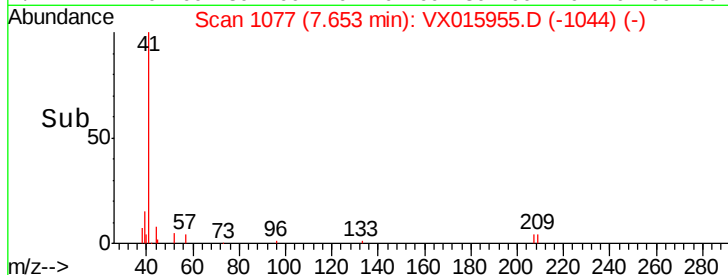
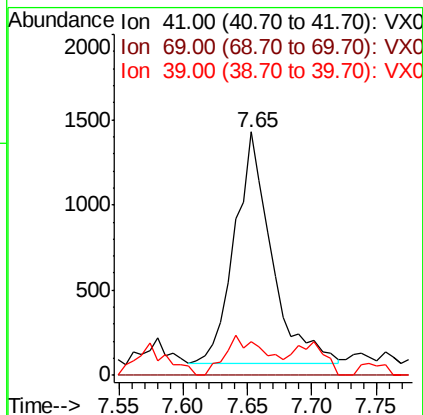
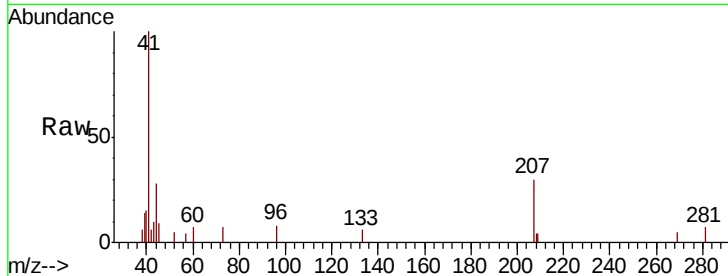




#48
Methvl methacrylate
Concen: 1.302 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

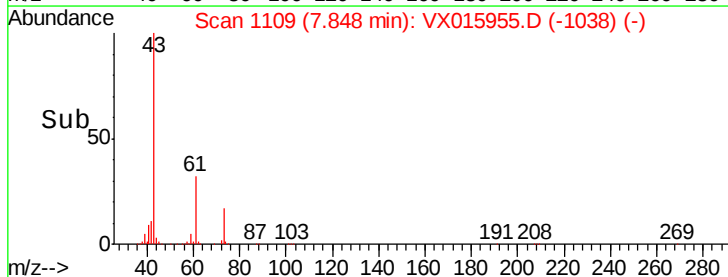
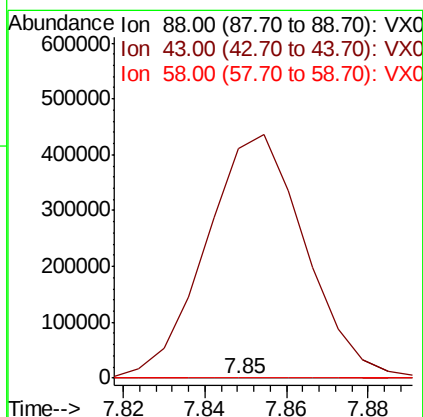
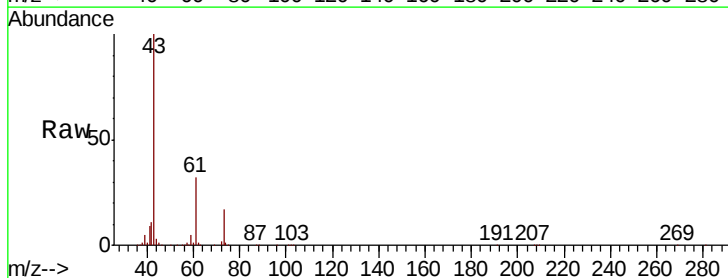
Instrument :
MSVOA_X
ClientSampleId :
EO-02-042320

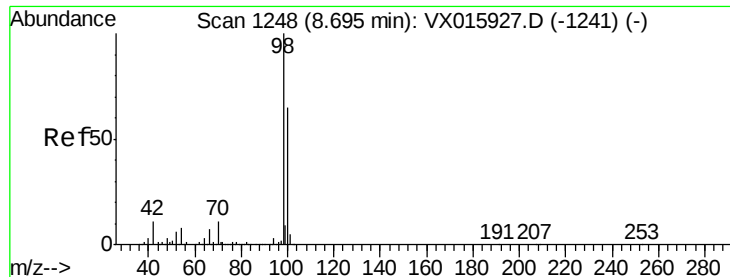
Tot Ion: 41 Resp: 2686
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 44.1 66.1#



#49
1,4-Dioxane
Concen: 2.398 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.13 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

Tgt Ion: 88 Resp: 110
Ion Ratio Lower Upper
88 100
43 679950.9 23.8 35.8#
58 2847.3 55.7 83.5#





#50

Toluene-d8

Concen: 54.335 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

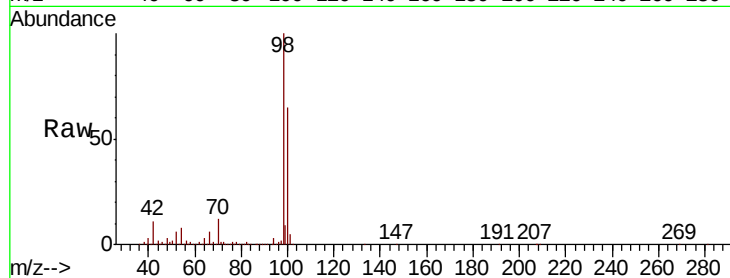
EO-02-042320

Tot Ion: 98 Resp: 334538

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

250000

200000

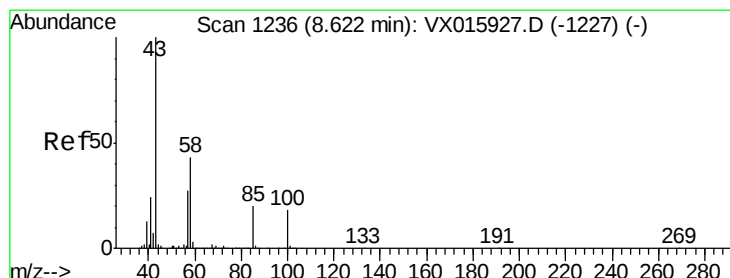
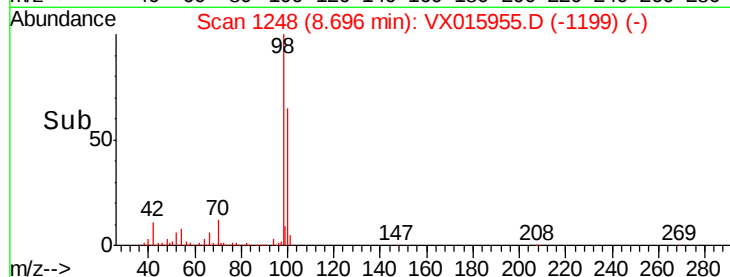
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 16.979 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX015955.D

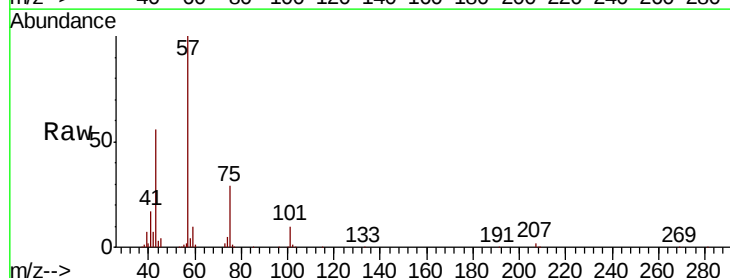
Acq: 25 Apr 2020 00:38

Tgt Ion: 43 Resp: 41745

Ion Ratio Lower Upper

43 100

58 10.3 34.2 51.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

30000

25000

20000

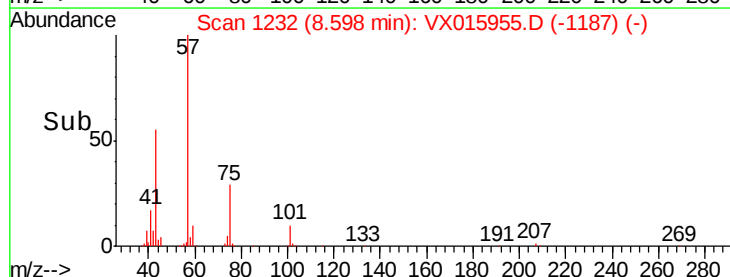
15000

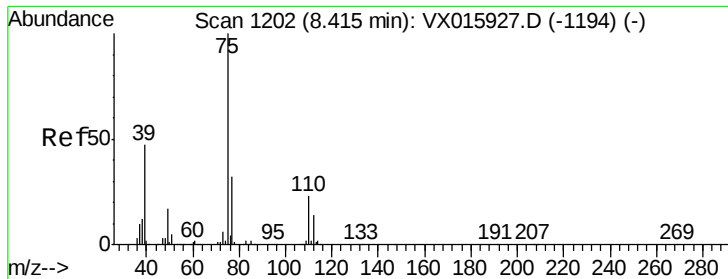
10000

5000

0

Time-->



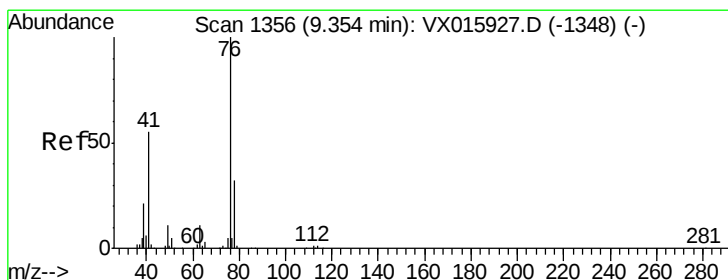
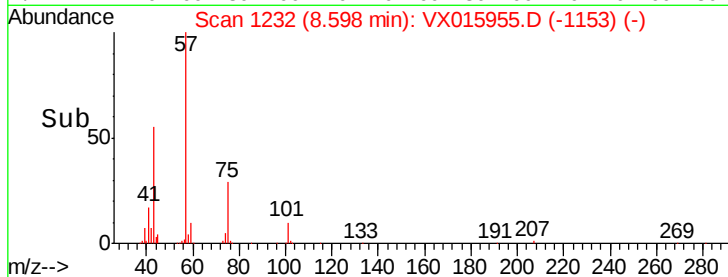
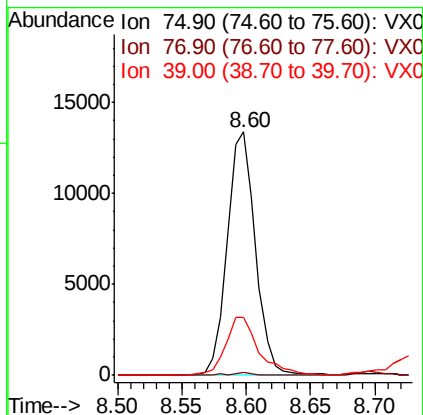
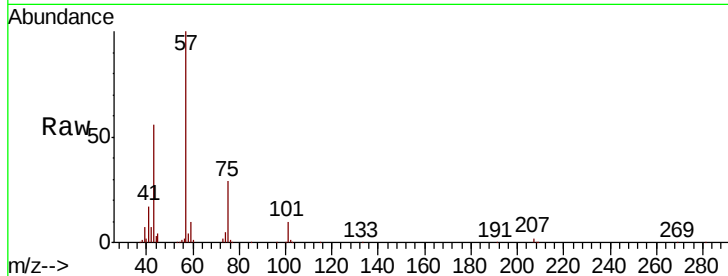


#54

cis-1,3-Dichloropropene
 Concen: 6.294 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX015955.D
 Acq: 25 Apr 2020 00:38

Instrument :
 MSVOA_X
 ClientSampleId :
 EO-02-042320

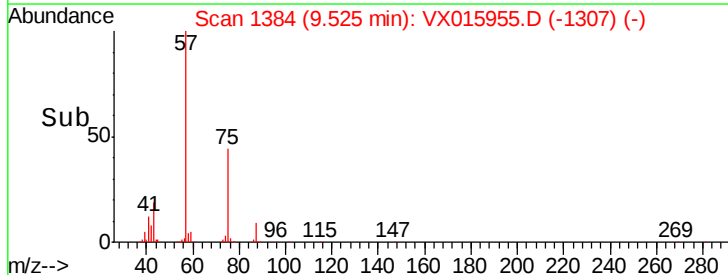
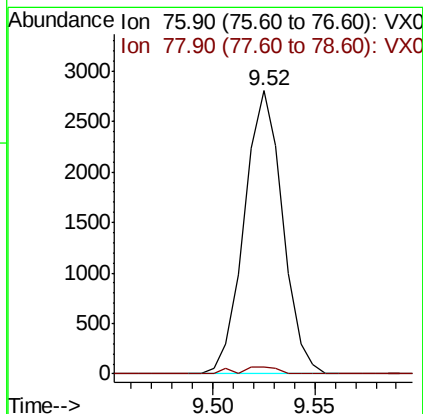
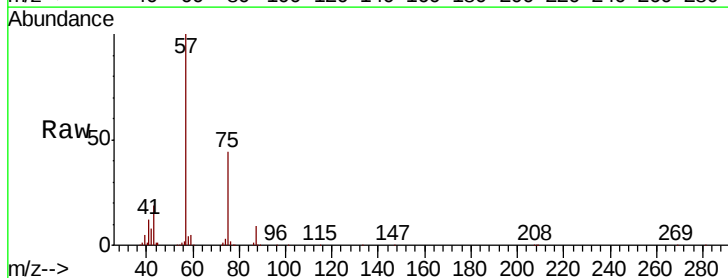
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.8	38.8#
39	23.9	37.2	55.8#

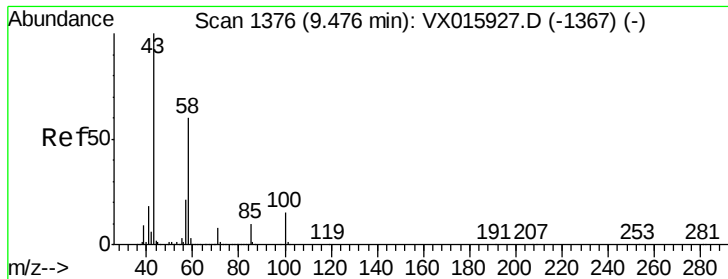


#57

1,3-Dichloropropane
 Concen: 1.133 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX015955.D
 Acq: 25 Apr 2020 00:38

Tgt Ion	Ratio	Lower	Upper
76	100		
78	2.6	25.6	38.4#

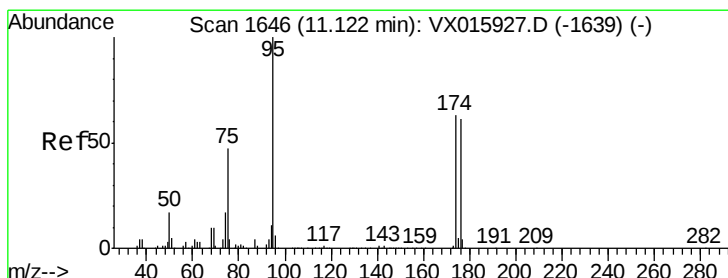
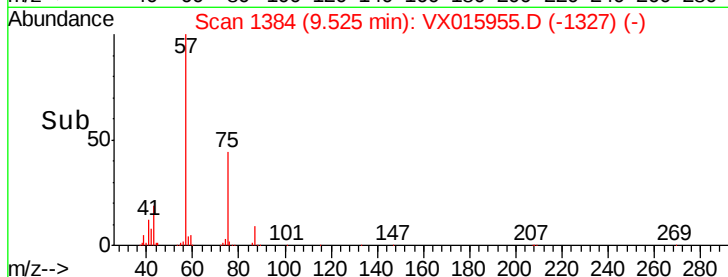
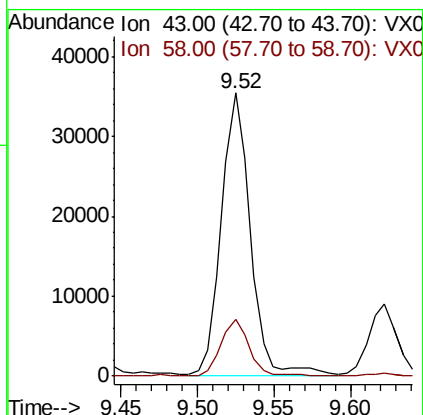
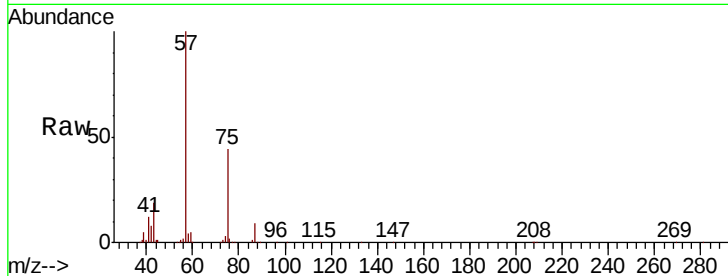




#59
2-Hexanone
Concen: 24.804 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

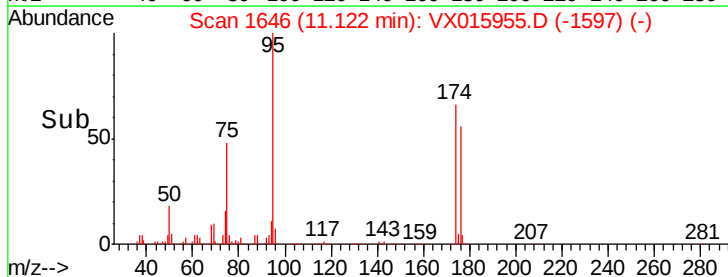
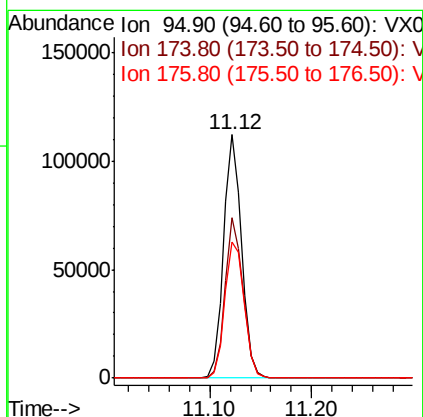
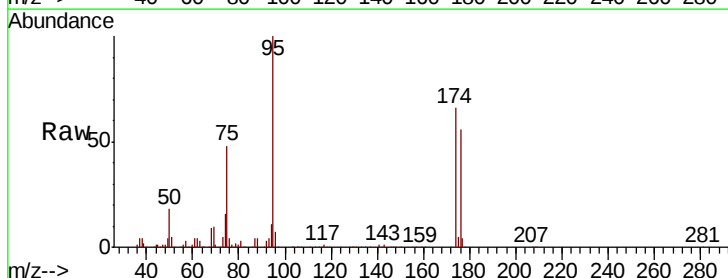
Instrument :
MSVOA_X
ClientSampleId :
EO-02-042320

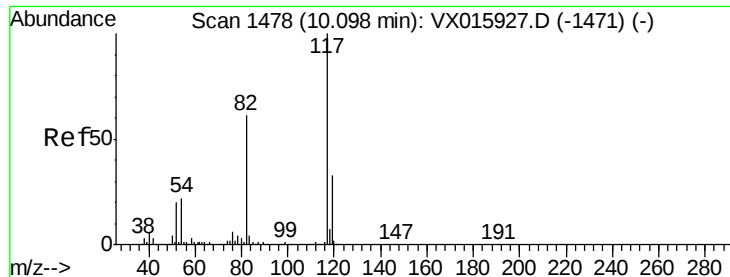
Tot Ion: 43 Resp: 46306
Ion Ratio Lower Upper
43 100
58 19.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.116 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

Tgt Ion: 95 Resp: 137639
Ion Ratio Lower Upper
95 100
174 65.5 0.0 133.6
176 60.2 0.0 126.0

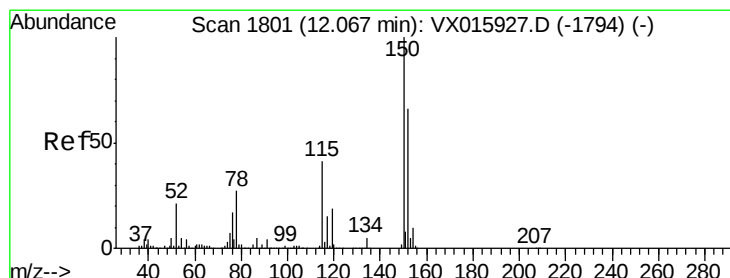
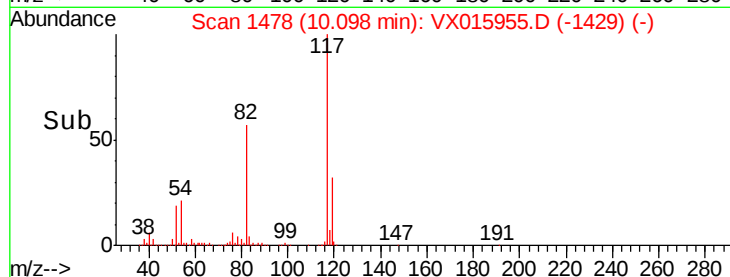
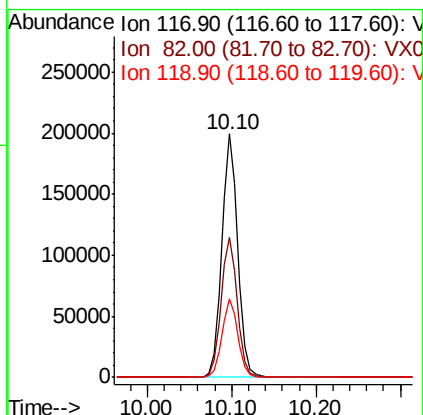
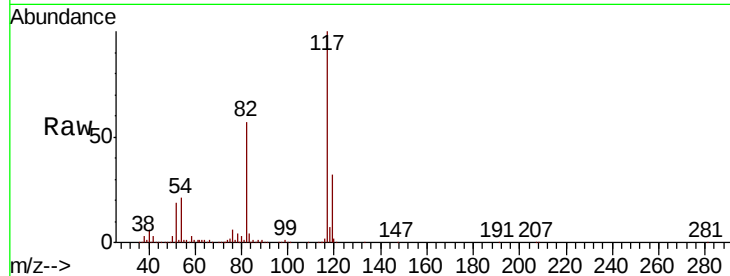




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

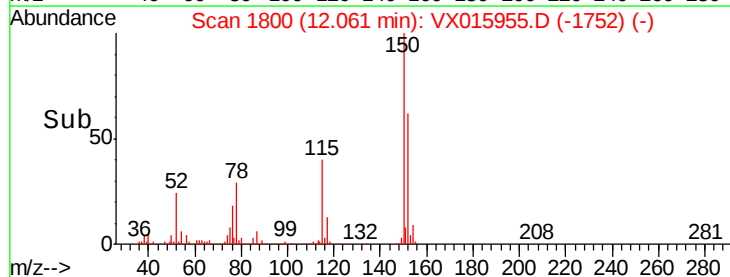
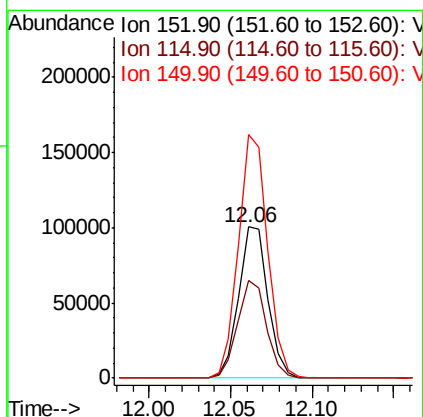
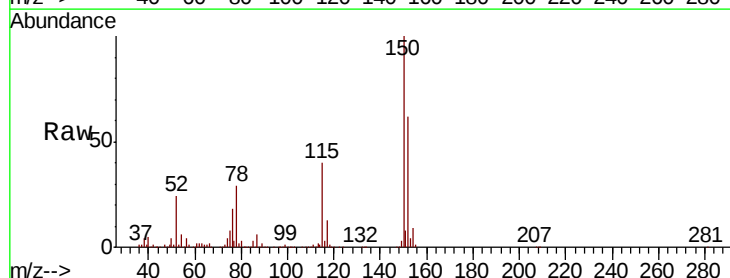
Instrument :
MSVOA_X
ClientSampleId :
EO-02-042320

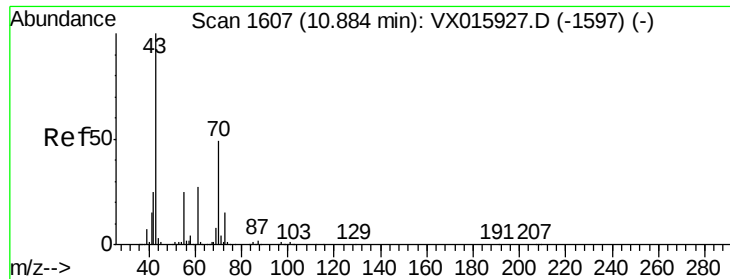
Tot Ion:117 Resp: 259967
Ion Ratio Lower Upper
117 100
82 57.2 48.5 72.7
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VX015955.D
Acq: 25 Apr 2020 00:38

Tgt Ion:152 Resp: 125937
Ion Ratio Lower Upper
152 100
115 64.1 44.1 132.4
150 160.4 0.0 343.6





#74

N-amvl acetate

Concen: 0.545 ug/l

RT: 10.81 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX015955.D

Acq: 25 Apr 2020 00:38

Instrument :

MSVOA_X

ClientSampleId :

EO-02-042320

Tot Ion: 43 Resp: 2216

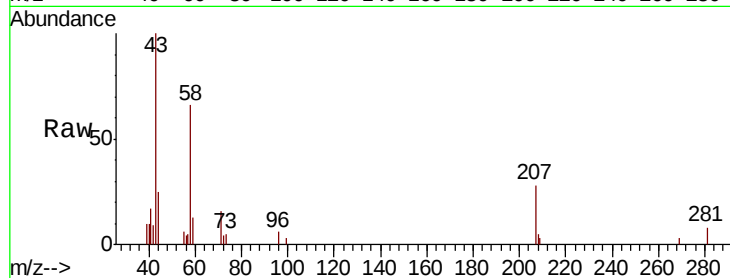
Ion Ratio Lower Upper

43 100

70 0.0 37.8 56.6#

55 6.8 20.2 30.2#

61 0.0 21.6 32.4#

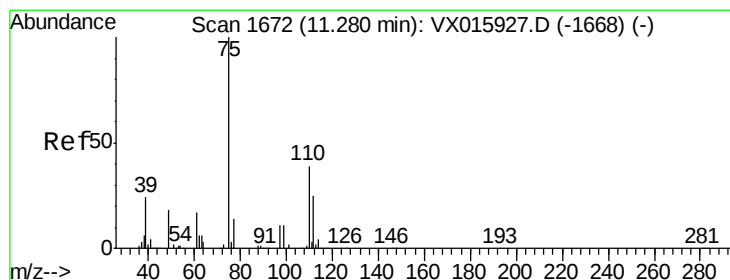
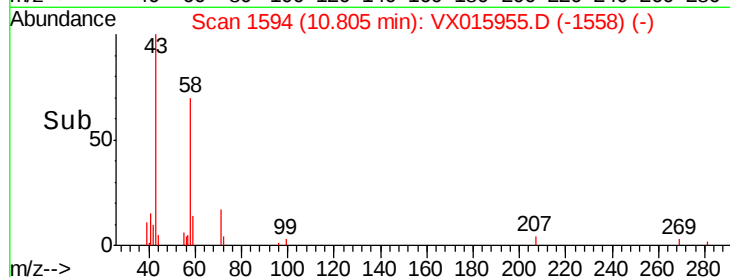
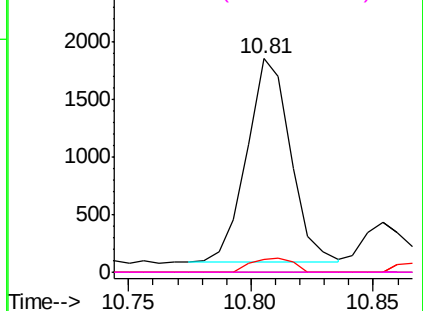


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 25.059 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015955.D

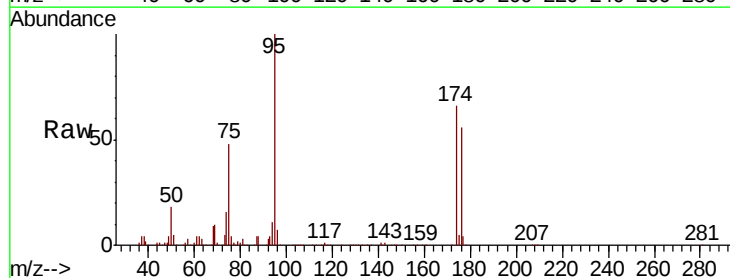
Acq: 25 Apr 2020 00:38

Tgt Ion: 75 Resp: 67696

Ion Ratio Lower Upper

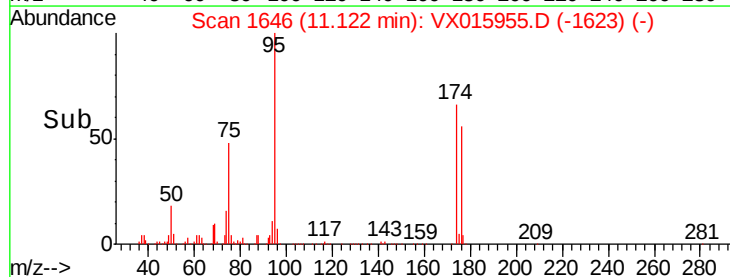
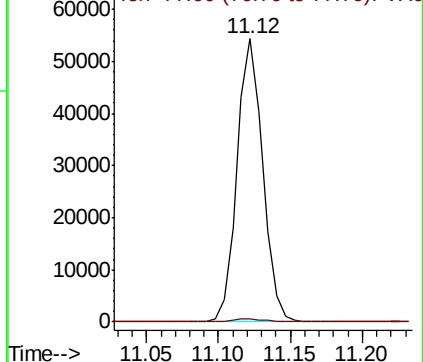
75 100

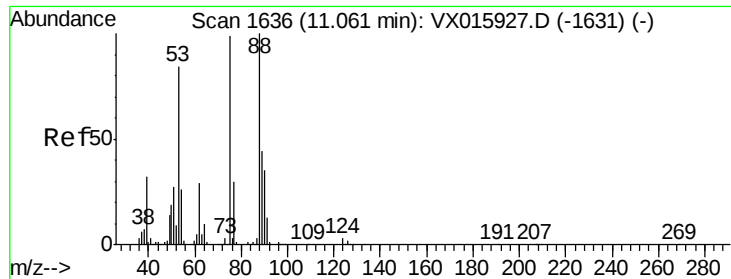
77 1.3 22.1 66.5#



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: 56.449 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015955.D
 Acq: 25 Apr 2020 00:38

Instrument :
 MSVOA_X
 ClientSampleId :
 EO-02-042320

Tot Ion: 75 Resp: 67696
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.7 104.5#
 89 0.0 36.3 54.5#

