

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015479.D
 Acq On : 02 Apr 2020 14:13
 Operator : JC/SP
 Sample : PB127948ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 03 08:00:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1084815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1790925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1662138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	878707	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	742626	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	5.47	113	566410	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.70	98	2140065	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.12	95	925993	54.06	ug/l	0.00
Spiked Amount			Recovery	=	108.12%	

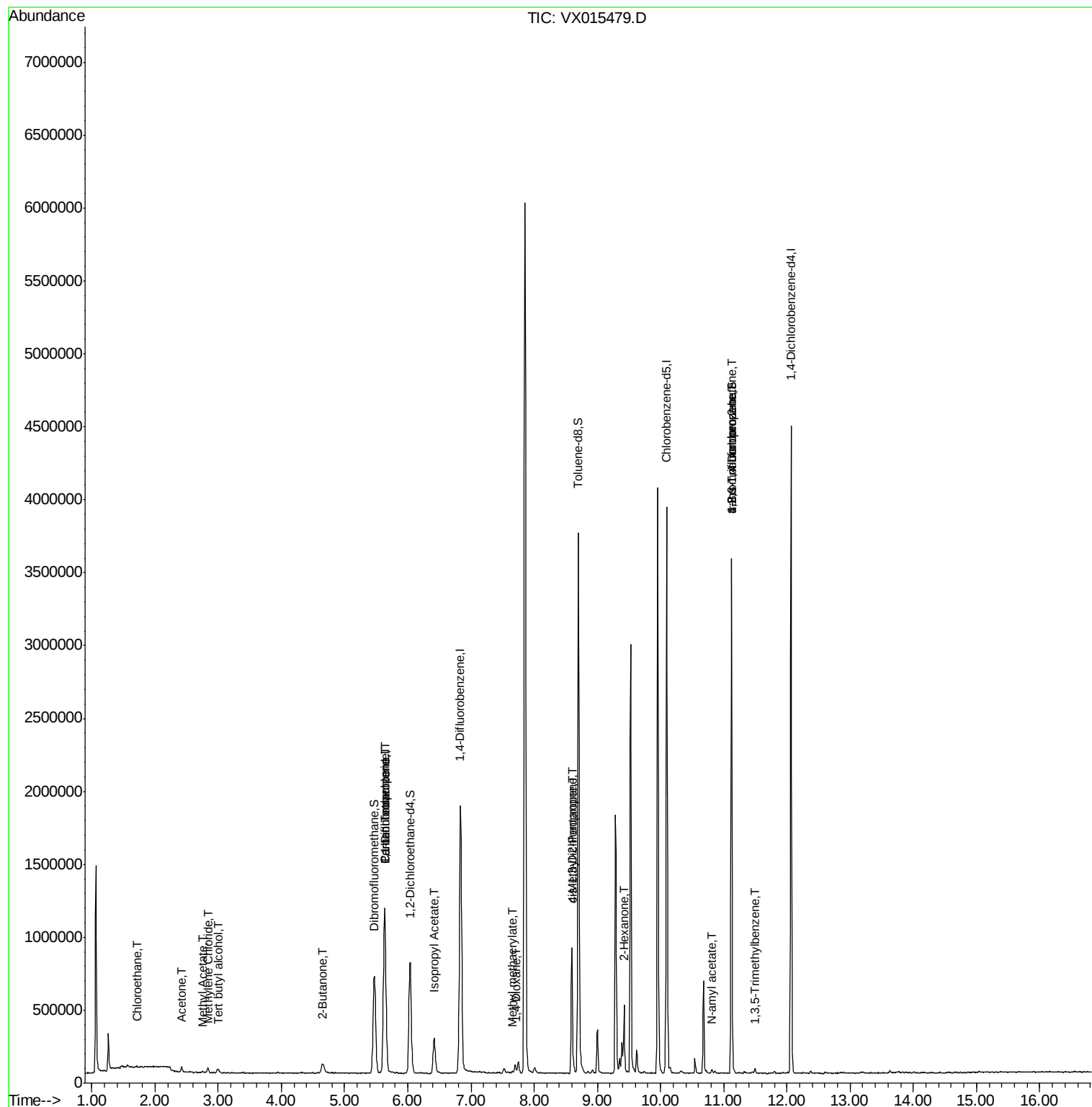
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	1057	Below Cal	#	43
6) Chloroethane	1.72	64	1730	0.250	ug/l #	63
11) Tert butyl alcohol	3.00	59	20047	5.474	ug/l #	75
16) Acetone	2.42	43	39997	6.085	ug/l	95
18) Methyl Acetate	2.75	43	12370	0.737	ug/l	92
20) Methylene Chloride	2.84	84	14380	1.171	ug/l	98
25) 2-Butanone	4.65	43	20440	1.934	ug/l #	82
36) 1,1-Dichloropropene	5.63	75	82671	5.010	ug/l #	53
38) Carbon Tetrachloride	5.64	117	105853	5.923	ug/l #	15
43) Isopropyl Acetate	6.42	43	351795	9.699	ug/l	99
48) Methyl methacrylate	7.65	41	18725	1.034	ug/l #	20
49) 1,4-Dioxane	7.72	88	519	1.536	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	338658	16.475	ug/l #	52
54) cis-1,3-Dichloropropene	8.60	75	136126	6.165	ug/l #	53
59) 2-Hexanone	9.42	43	320084	20.626	ug/l #	27
74) N-amyl acetate	10.81	43	18016	0.563	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	478659	26.489	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.50	105	14295	0.291	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	478659	63.560	ug/l #	10

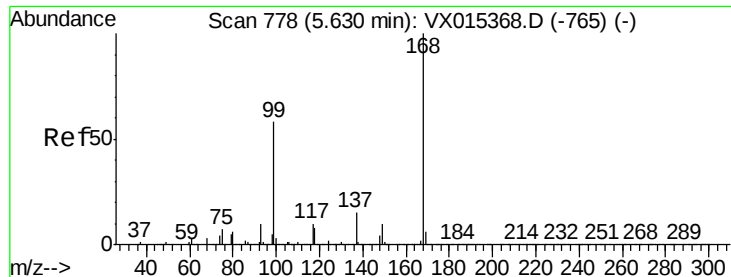
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

Instrument :

MSVOA_X

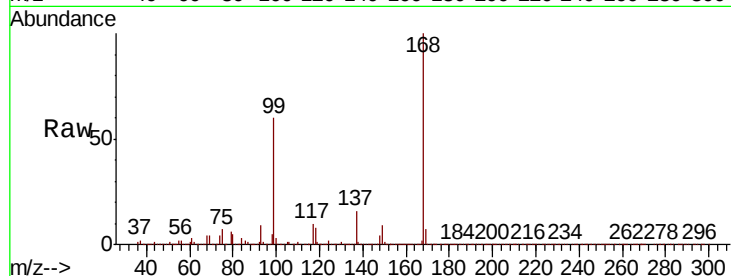
ClientSampleId :

Tot Ion:168 Resp: 1084815

Ion Ratio Lower Upper

168 100

99 59.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

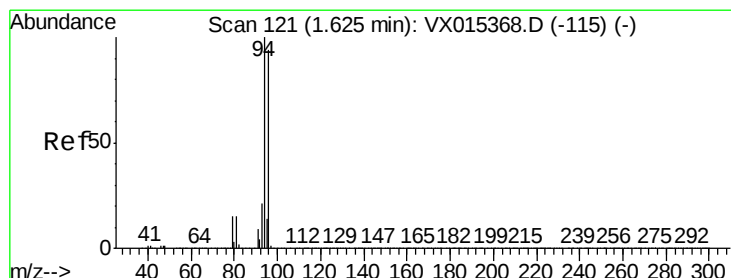
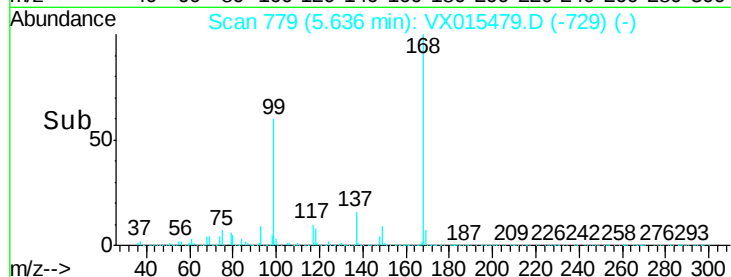
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015479.D

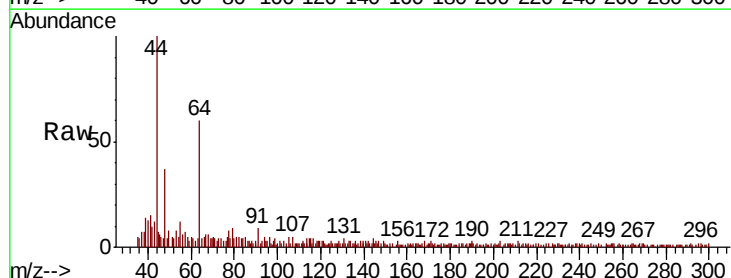
Acq: 02 Apr 2020 14:13

Tgt Ion: 94 Resp: 1057

Ion Ratio Lower Upper

94 100

96 38.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

1000

800

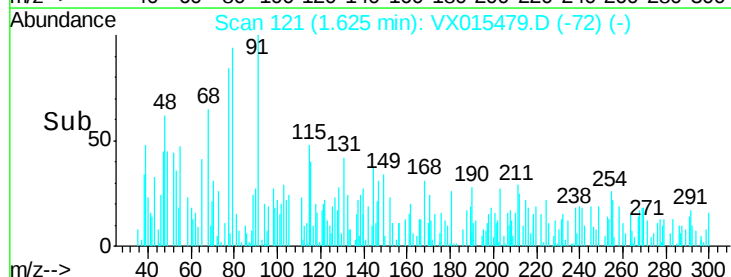
600

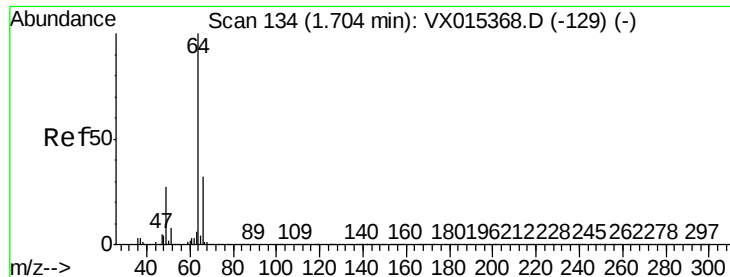
400

200

0

Time-->





#6

Chloroethane

Concen: 0.250 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

Instrument :

MSVOA_X

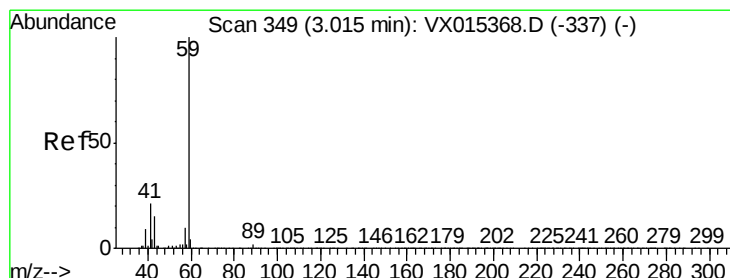
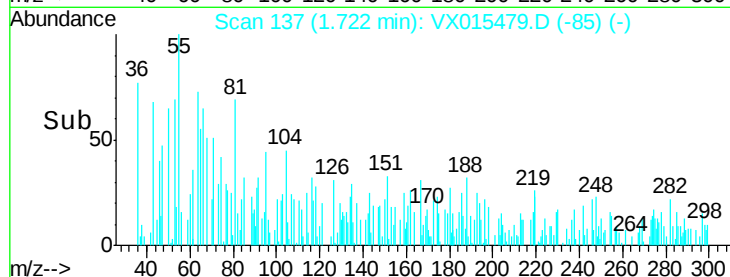
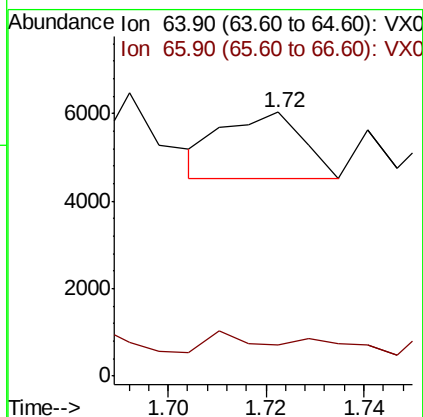
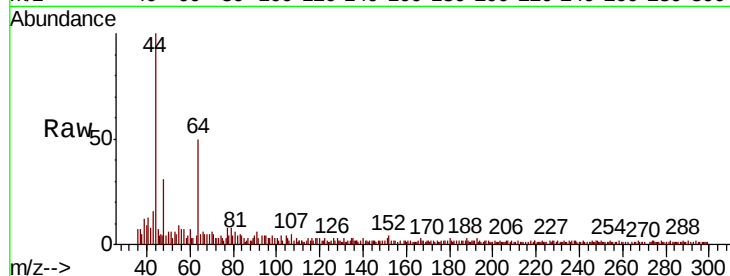
ClientSampleId :

Tot Ion: 64 Resp: 1730

Ion Ratio Lower Upper

64 100

66 11.3 25.4 38.2#



#11

Tert butyl alcohol

Concen: 5.474 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015479.D

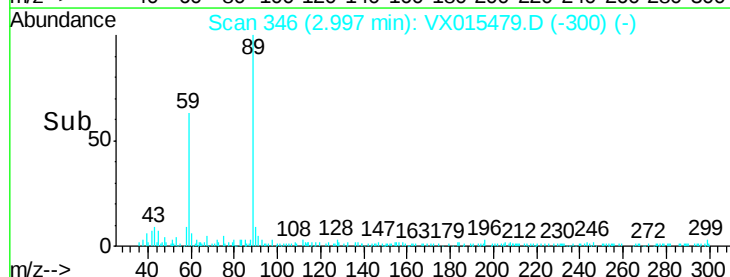
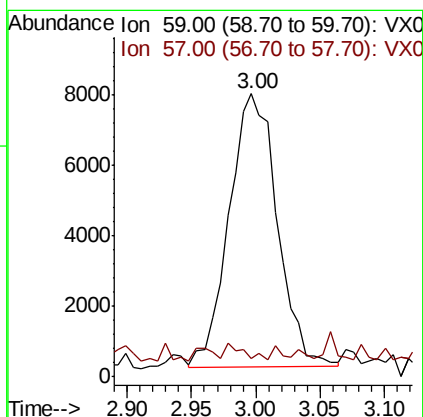
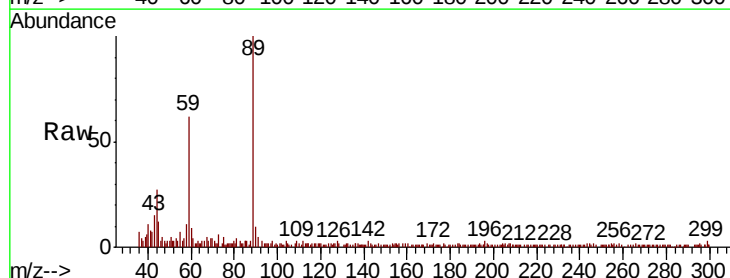
Acq: 02 Apr 2020 14:13

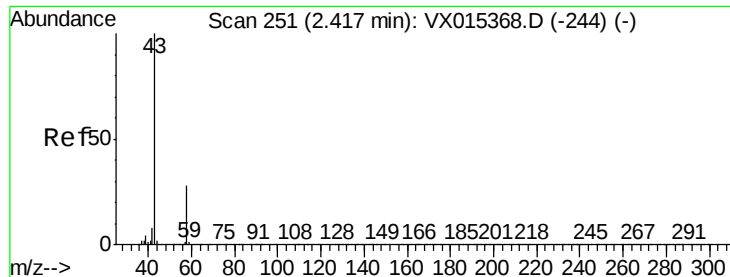
Tgt Ion: 59 Resp: 20047

Ion Ratio Lower Upper

59 100

57 1.0 8.1 12.1#

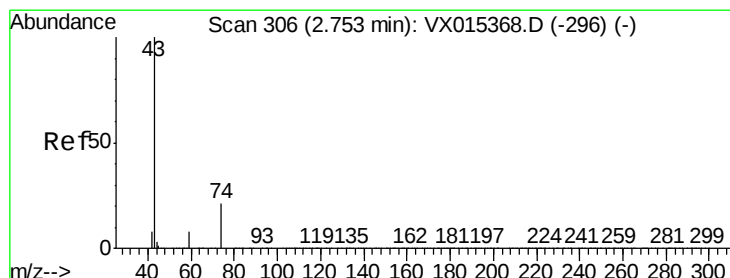
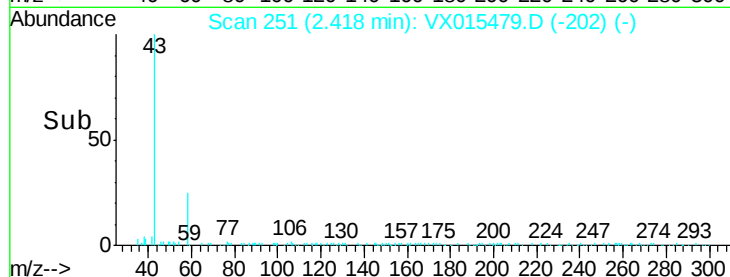
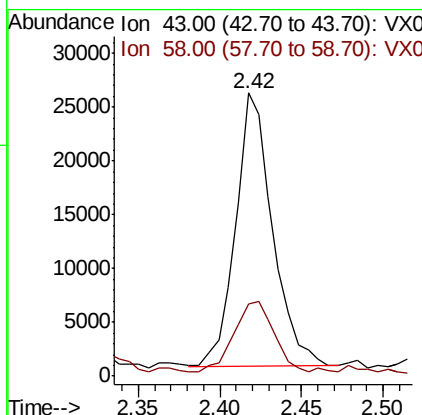
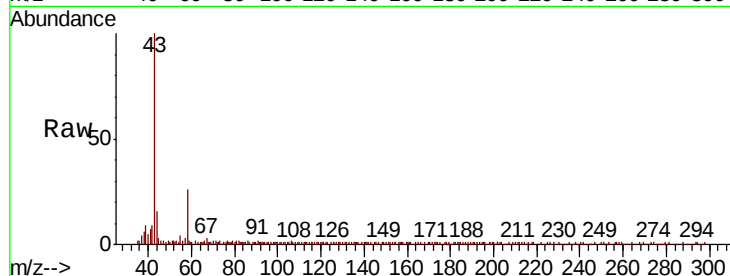




#16
Acetone
Concen: 6.085 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

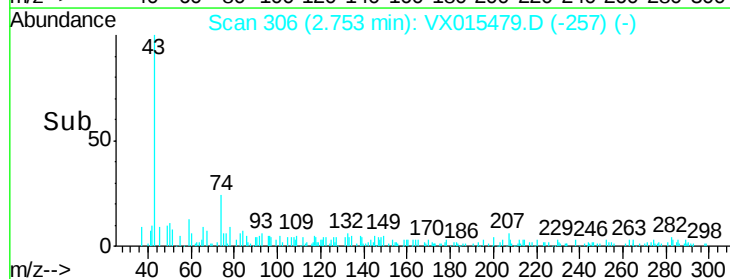
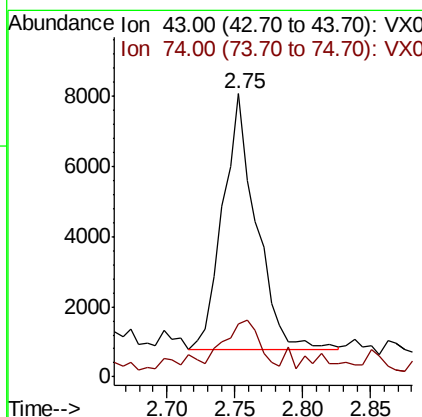
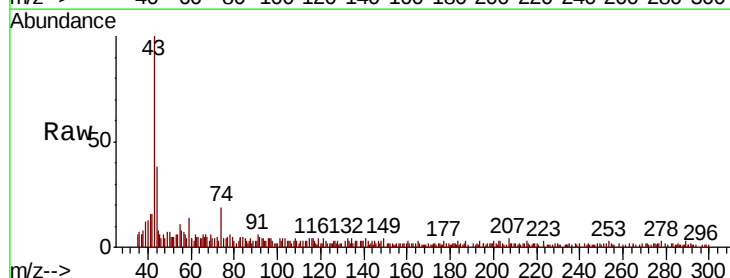
Instrument :
MSVOA_X
ClientSampleId :

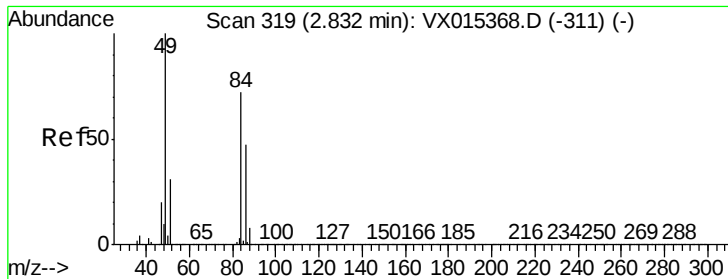
Tot Ion: 43 Resp: 39997
Ion Ratio Lower Upper
43 100
58 24.8 22.1 33.1



#18
Methyl Acetate
Concen: 0.737 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Tgt Ion: 43 Resp: 12370
Ion Ratio Lower Upper
43 100
74 24.5 16.5 24.7

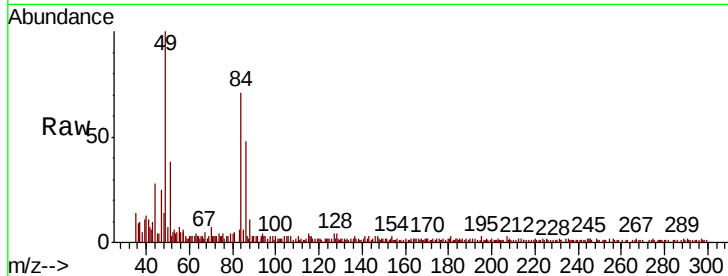




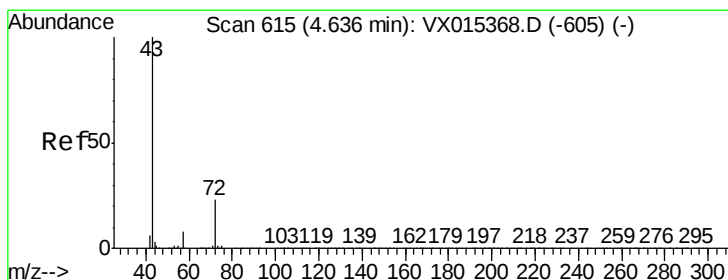
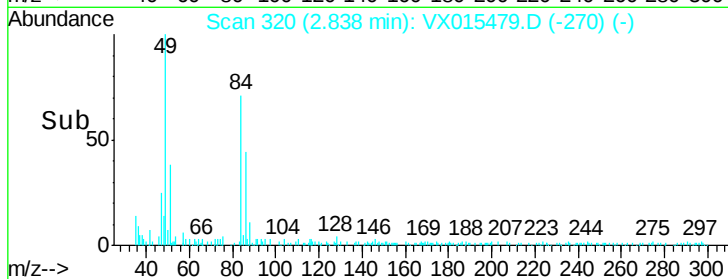
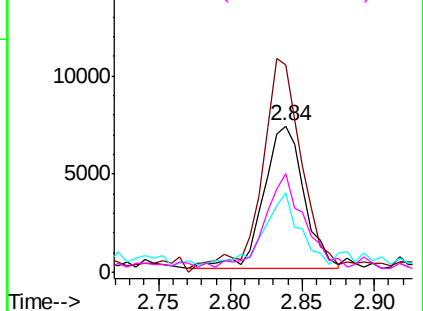
#20
Methvlene Chloride
Concen: 1.171 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	14380
Ion	Ratio	Lower	Upper
84	100		
49	139.2	111.3	166.9
51	47.5	34.0	51.0
86	62.4	52.5	78.7

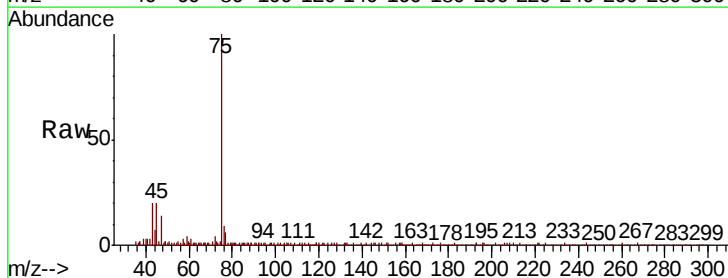


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

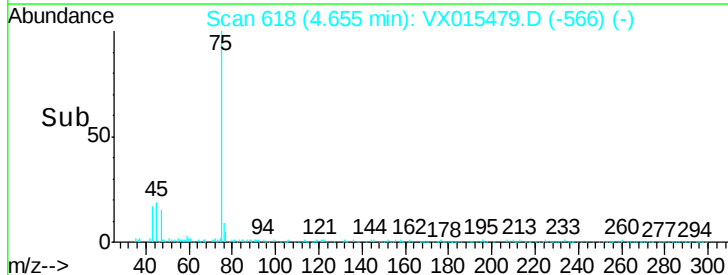
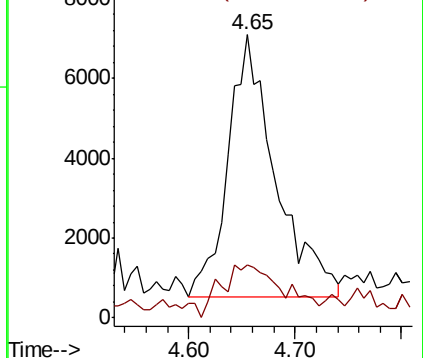


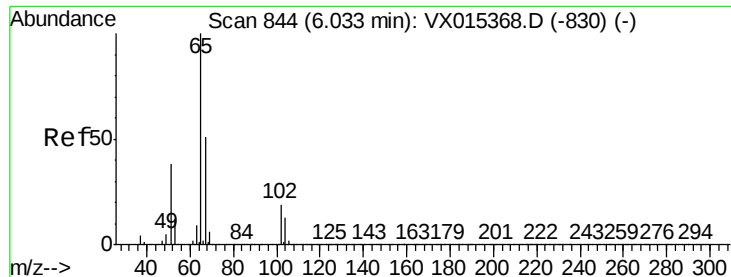
#25
2-Butanone
Concen: 1.934 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Tgt Ion:	43	Resp:	20440
Ion	Ratio	Lower	Upper
43	100		
72	14.6	19.0	28.4#



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





#33

1,2-Dichloroethane-d4

Concen: 48.537 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

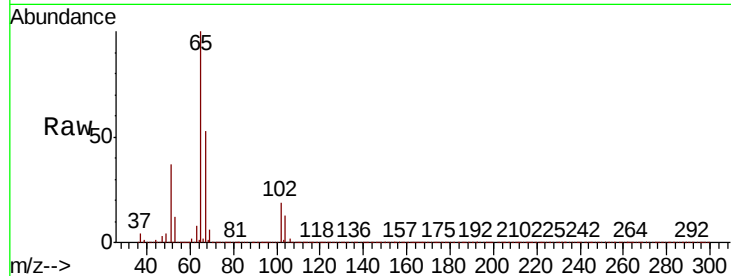
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 742626

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

300000

250000

200000

150000

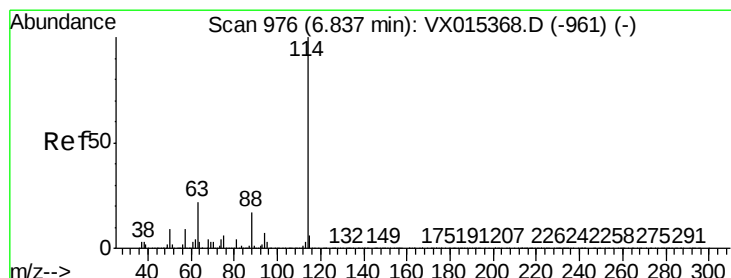
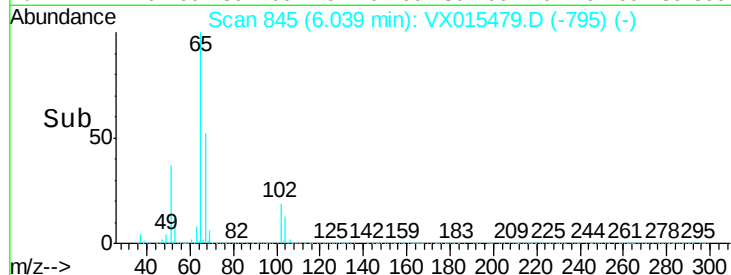
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

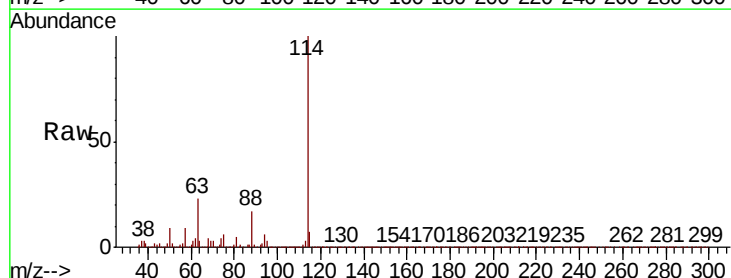
Tgt Ion: 114 Resp: 1790925

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.2

88 16.8 0.0 33.8



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

1000000

800000

600000

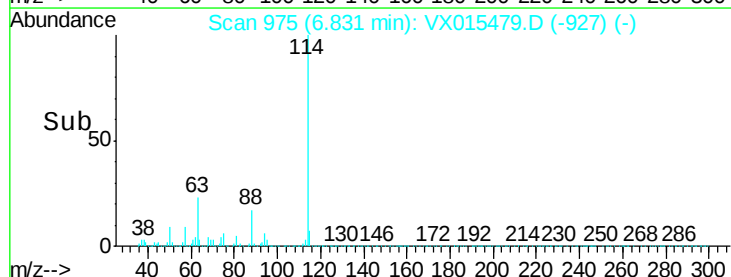
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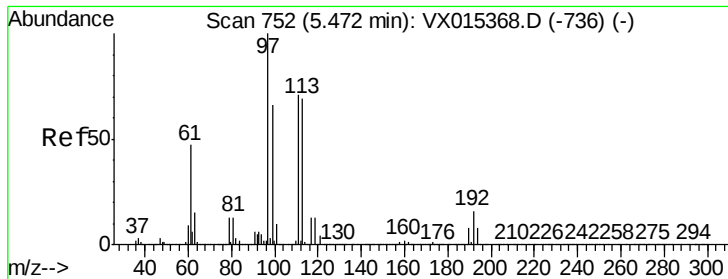
200000

0

Time-->

6.70 6.80 6.90 7.00 7.10

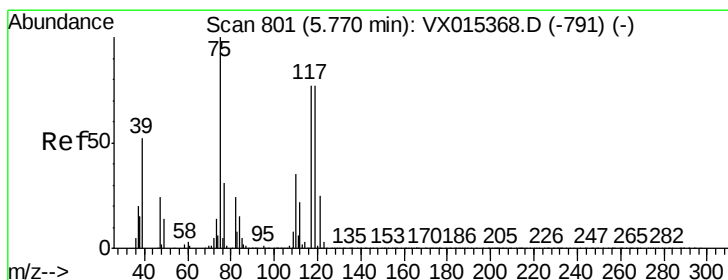
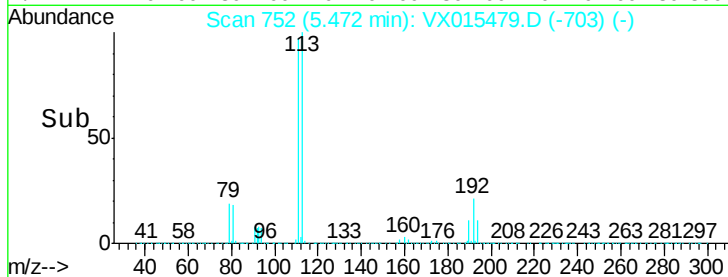
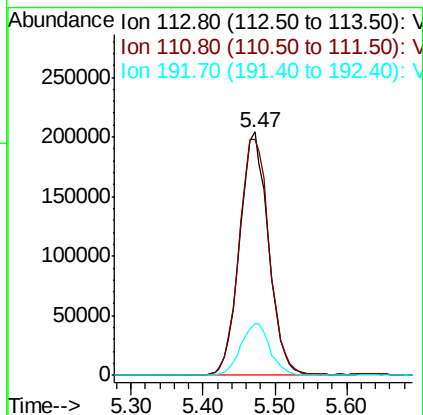
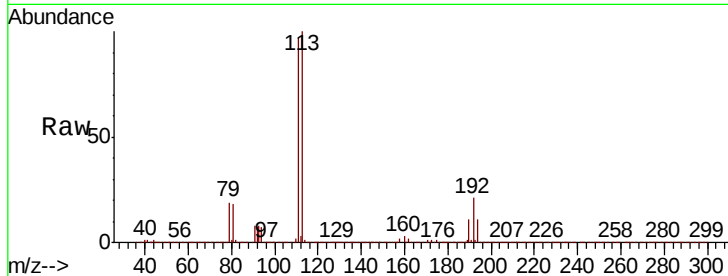




#35
Dibromofluoromethane
Concen: 49.476 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

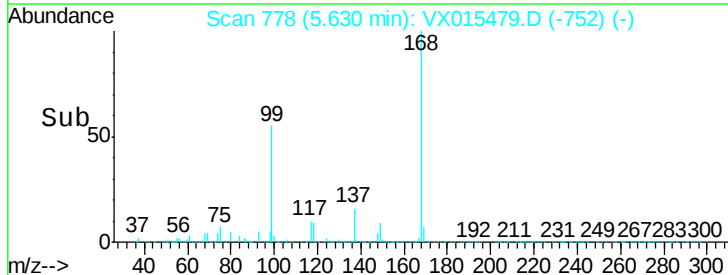
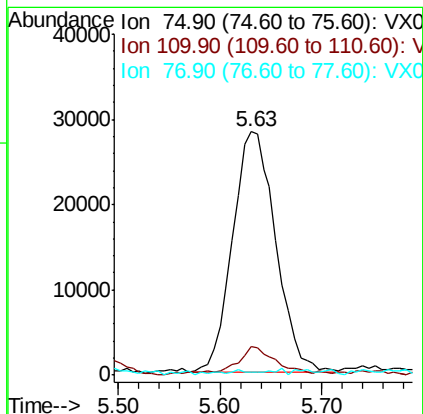
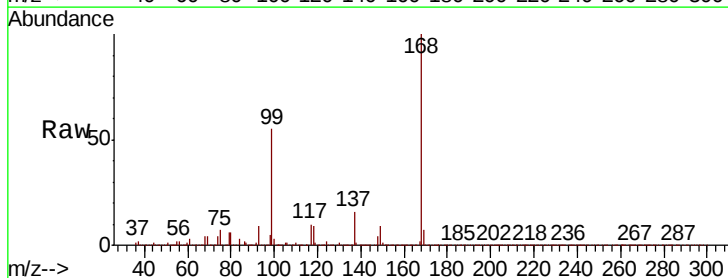
Instrument :
MSVOA_X
ClientSampled :

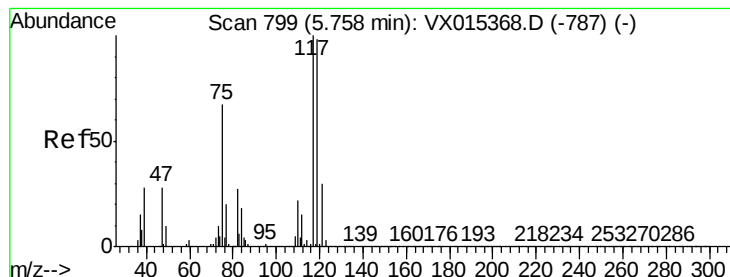
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	21.7	17.8	26.6



#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	0.4	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.923 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

Instrument :

MSVOA_X

ClientSampleId :

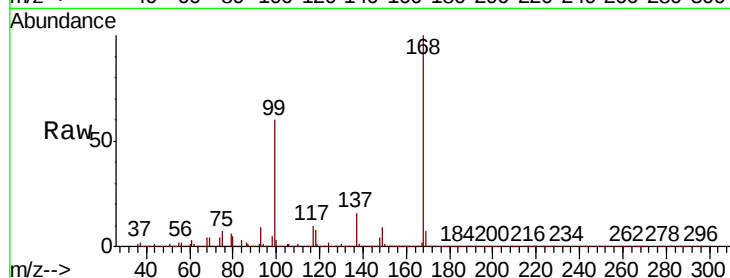
Tot Ion:117 Resp: 105853

Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

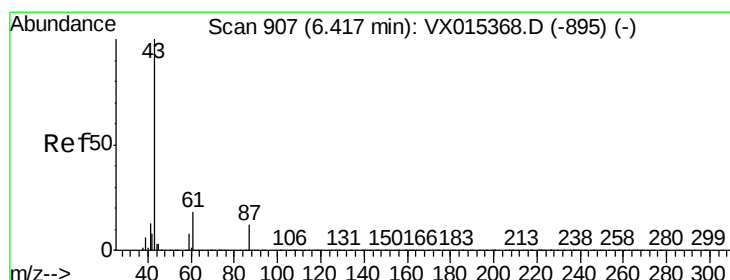
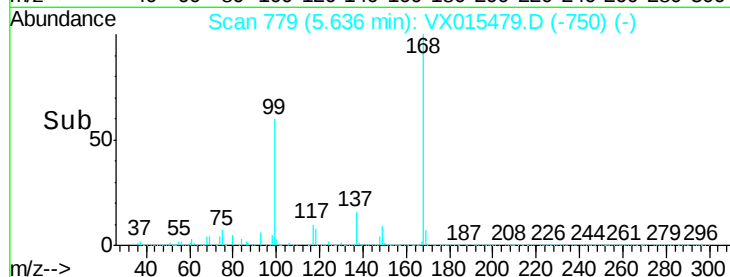
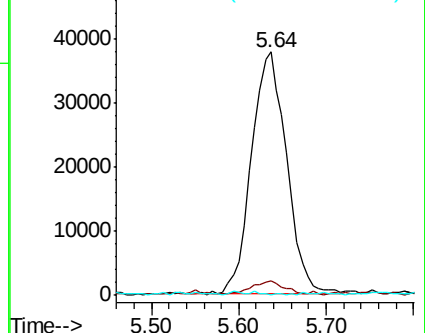
121 0.0 23.8 35.8#



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: 9.699 ug/l

RT: 6.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

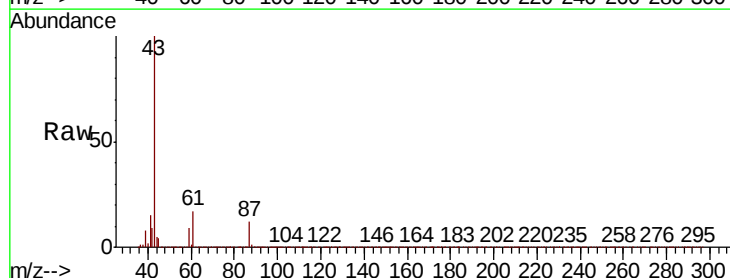
Tgt Ion: 43 Resp: 351795

Ion Ratio Lower Upper

43 100

61 18.1 14.8 22.2

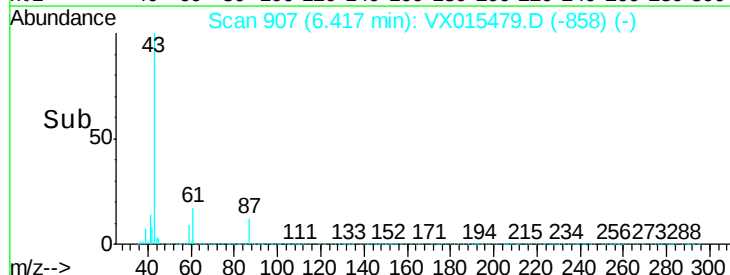
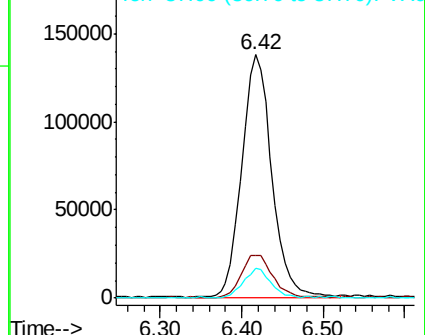
87 11.2 9.4 14.0

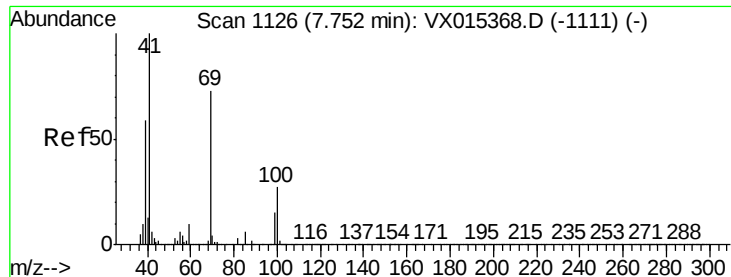


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

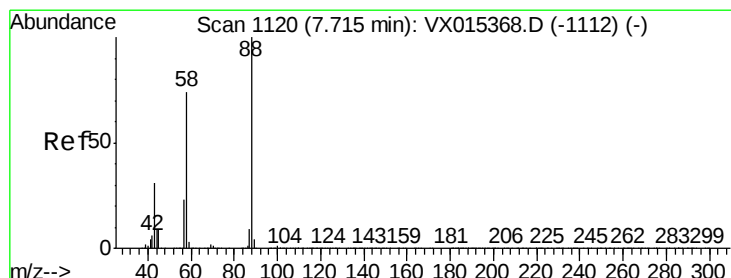
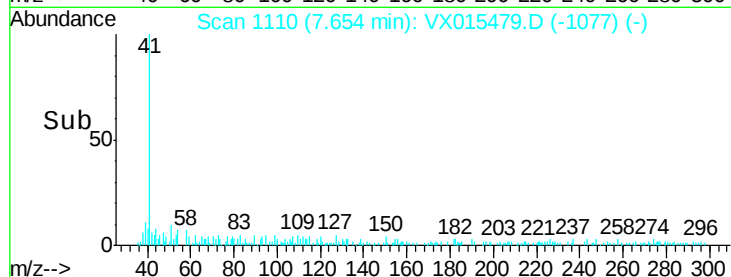
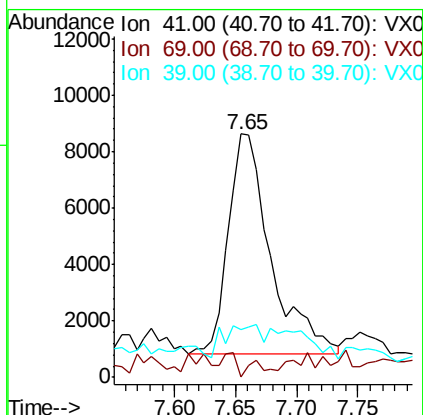
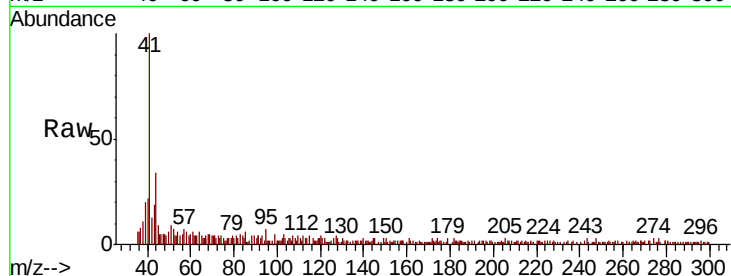




#48
Methvl methacrylate
Concen: 1.034 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

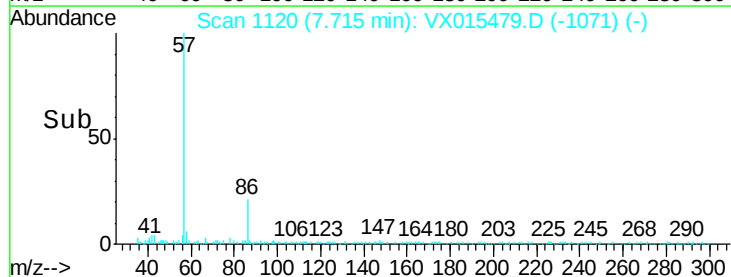
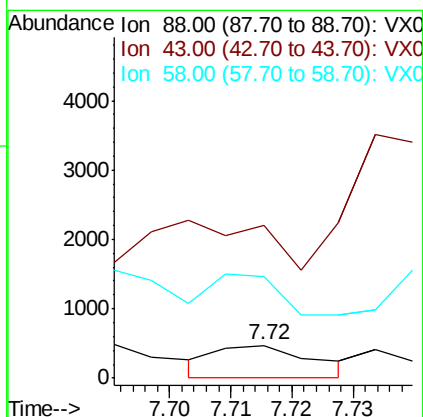
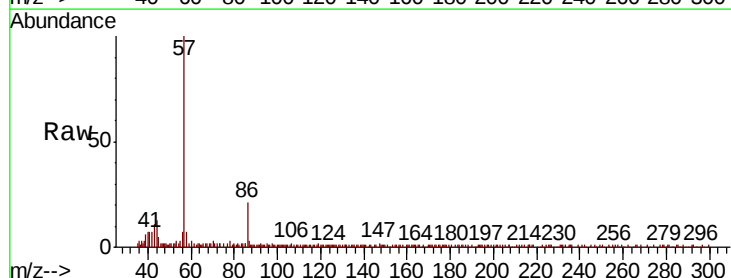
Instrument :
MSVOA_X
ClientSampleId :

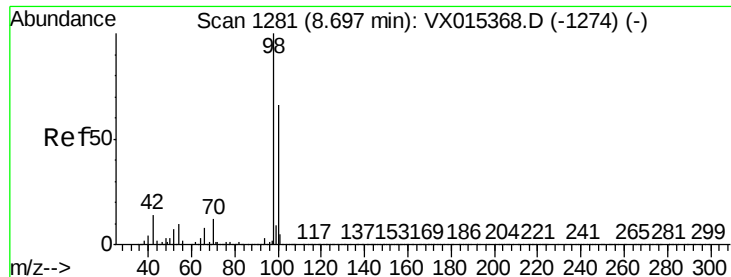
Tot Ion: 41 Resp: 18725
Ion Ratio Lower Upper
41 100
69 4.2 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 1.536 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Tgt Ion: 88 Resp: 519
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 60.6 90.8#





#50

Toluene-d8

Concen: 50.774 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

Instrument :

MSVOA_X

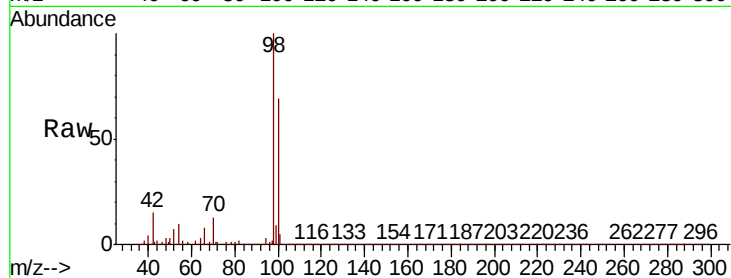
ClientSampleId :

Tot Ion: 98 Resp: 2140065

Ion Ratio Lower Upper

98 100

100 67.2 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

1500000

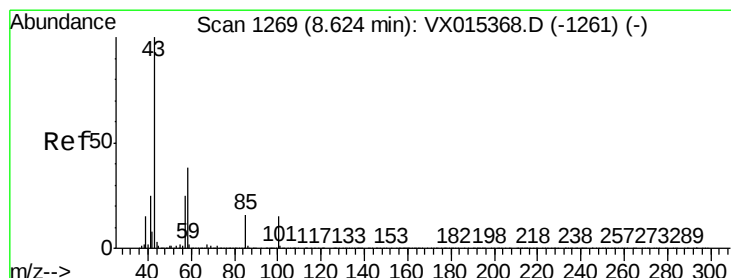
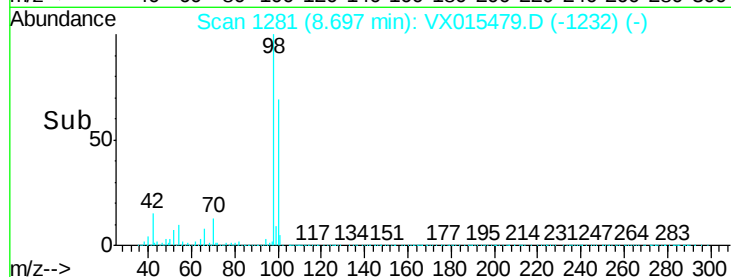
1000000

500000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 16.475 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015479.D

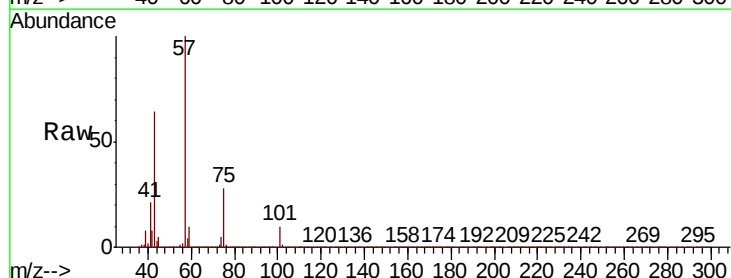
Acq: 02 Apr 2020 14:13

Tgt Ion: 43 Resp: 338658

Ion Ratio Lower Upper

43 100

58 8.3 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.60

200000

150000

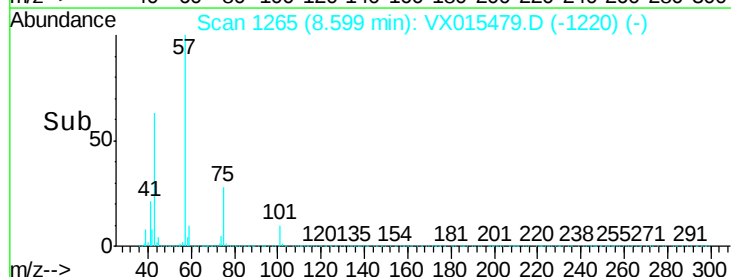
100000

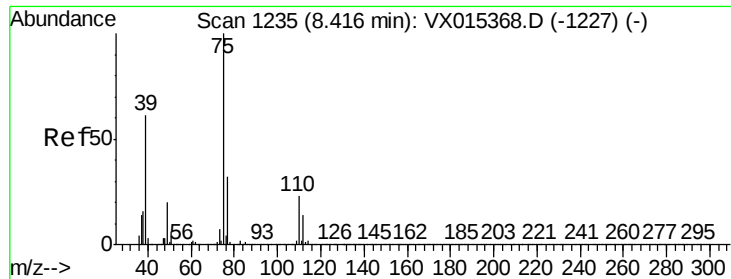
50000

0

Time-->

8.50 8.60 8.70



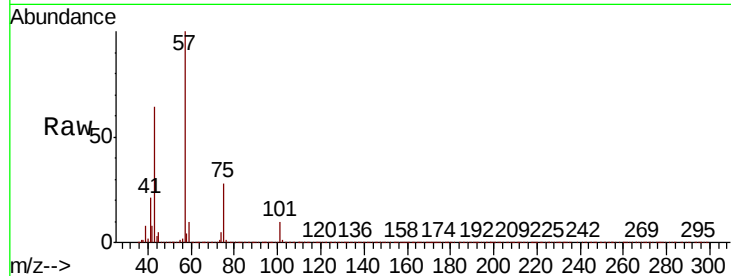


#54

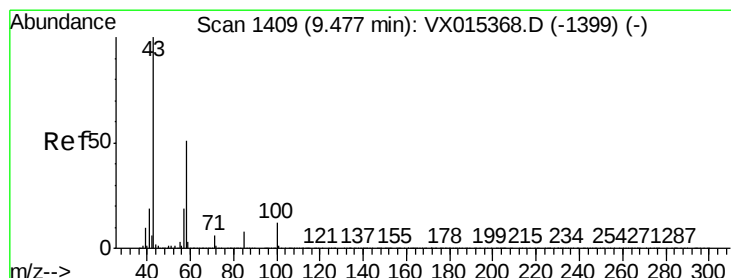
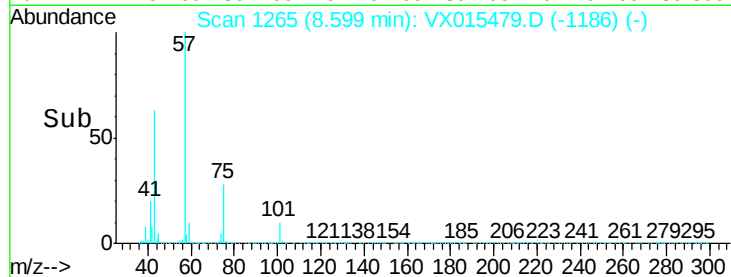
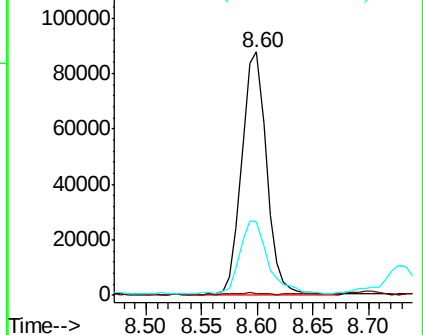
cis-1,3-Dichloropropene
Concen: 6.165 ug/l
RT: 8.60 min Scan# 1265
Delta R.T. 0.18 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.2	25.8	38.6#
39	29.7	49.0	73.4#



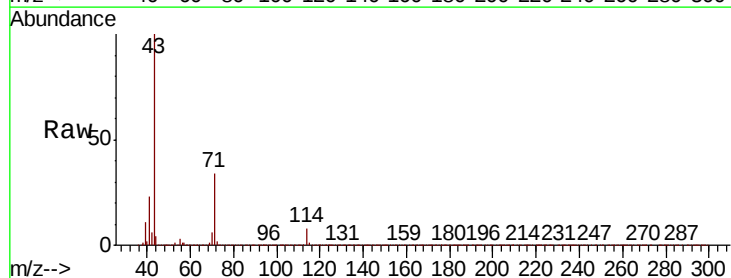
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



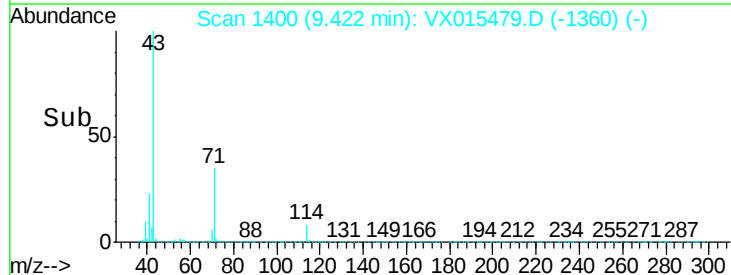
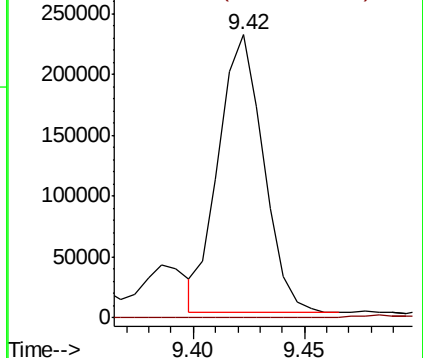
#59

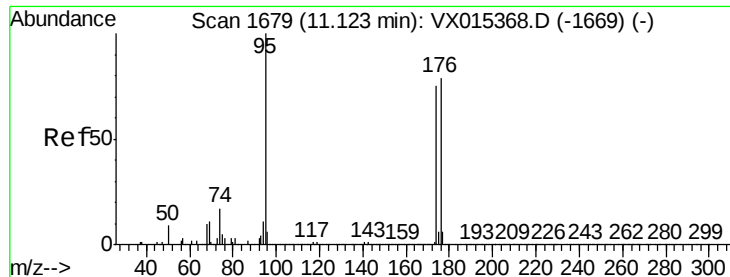
2-Hexanone
Concen: 20.626 ug/l
RT: 9.42 min Scan# 1400
Delta R.T. -0.05 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.6	76.6#



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

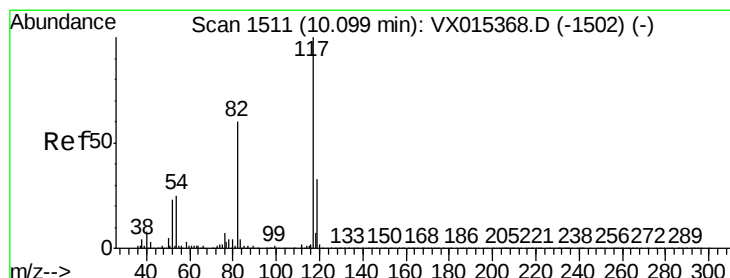
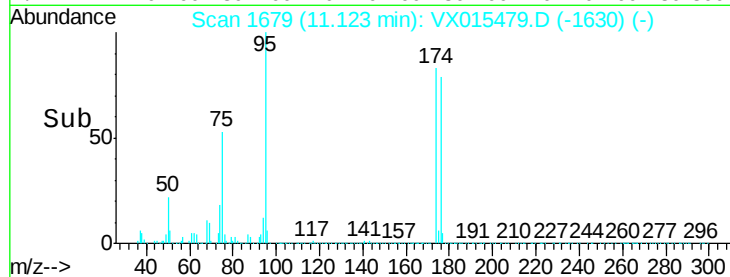
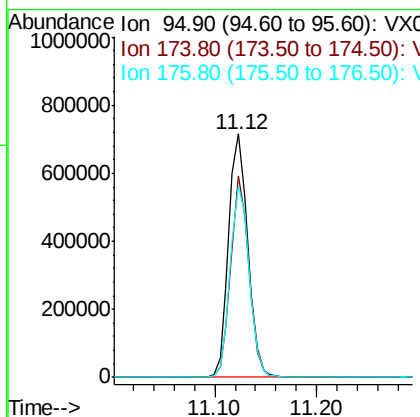
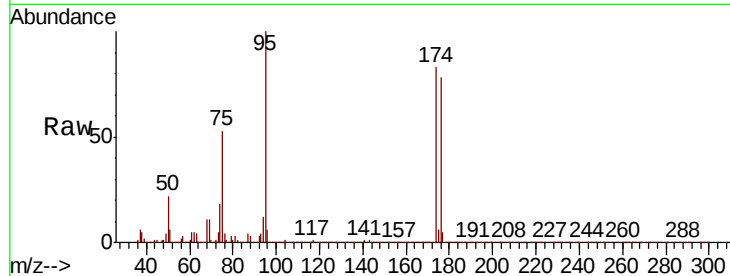




#62
4-Bromofluorobenzene
Concen: 54.059 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

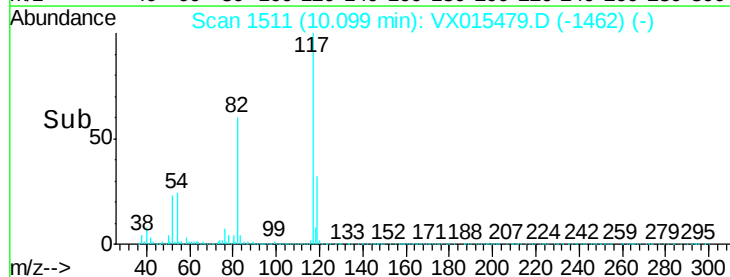
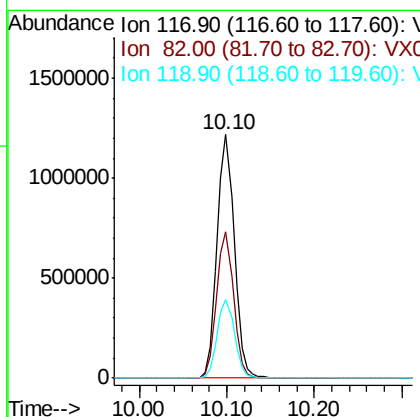
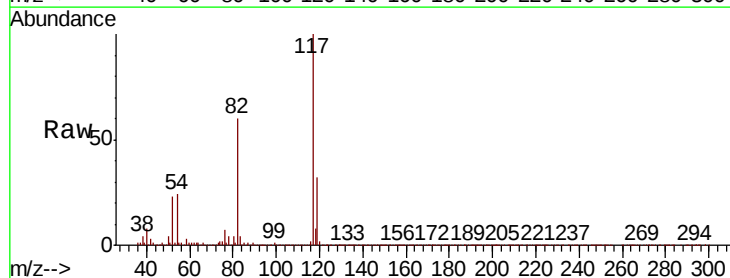
Instrument :
MSVOA_X
ClientSampleId :

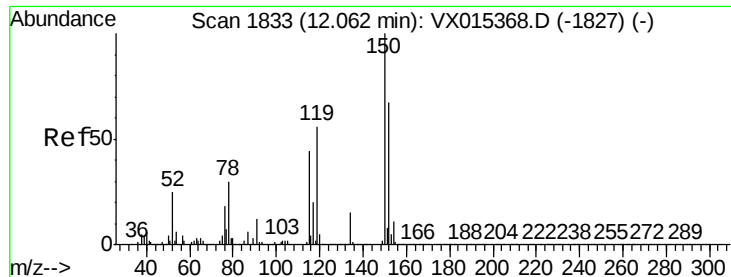
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	158.6
176	77.7	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.9	47.8	71.8
119	32.4	26.8	40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

Instrument :

MSVOA_X

ClientSampled :

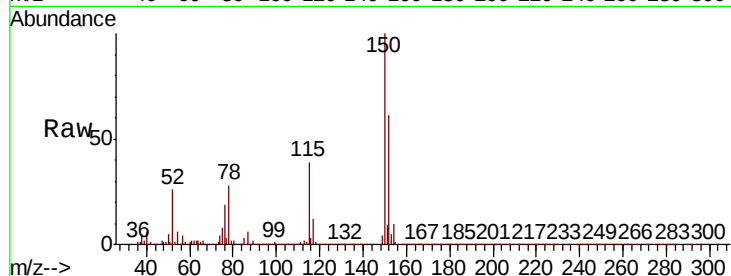
Tot Ion:152 Resp: 878707

Ion Ratio Lower Upper

152 100

115 59.7 39.0 116.9

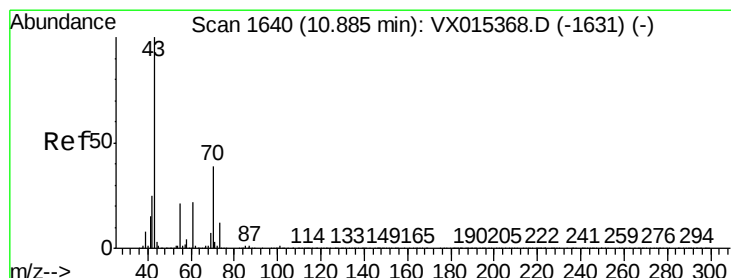
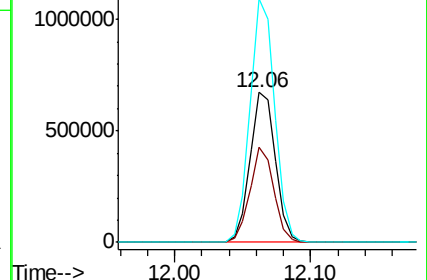
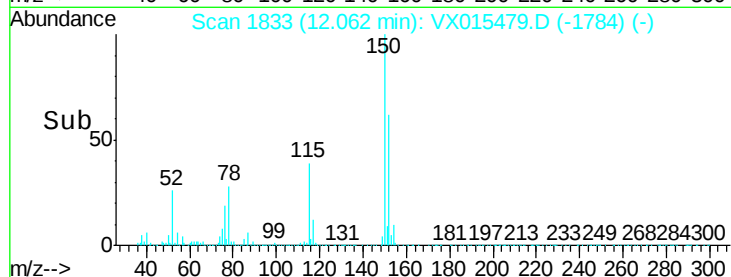
150 158.8 0.0 340.8



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



#74

N-ethyl acetate

Concen: 0.563 ug/l

RT: 10.81 min Scan# 1627

Delta R.T. -0.08 min

Lab File: VX015479.D

Acq: 02 Apr 2020 14:13

Tgt Ion: 43 Resp: 18016

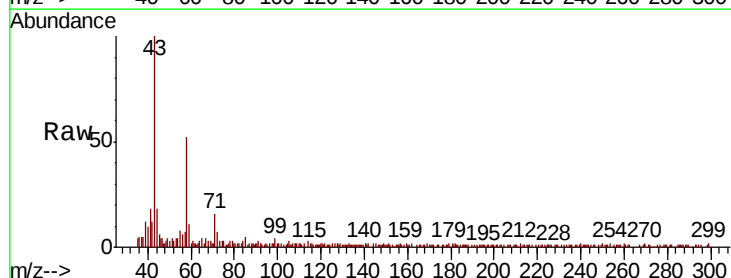
Ion Ratio Lower Upper

43 100

70 1.3 30.2 45.4#

55 9.4 16.8 25.2#

61 0.0 18.2 27.2#

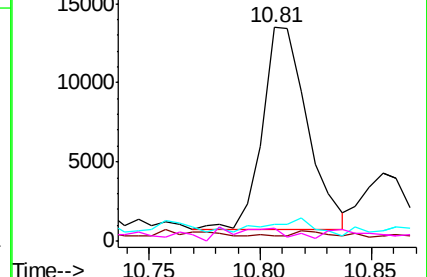
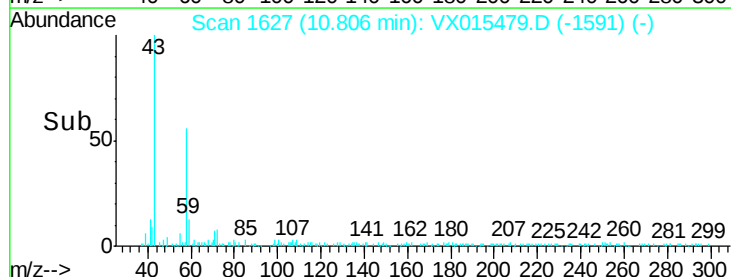


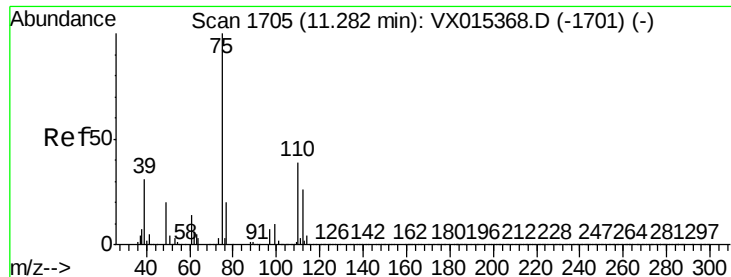
Abundance Ion 43.00 (42.70 to 43.70): VX0

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



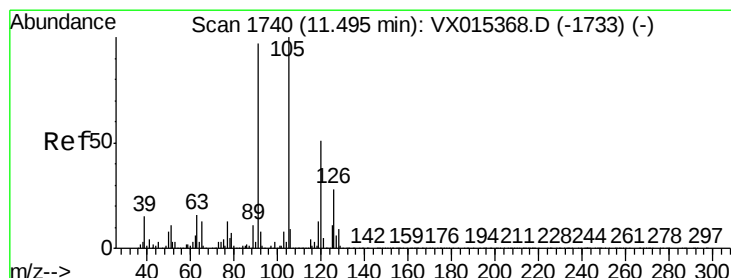
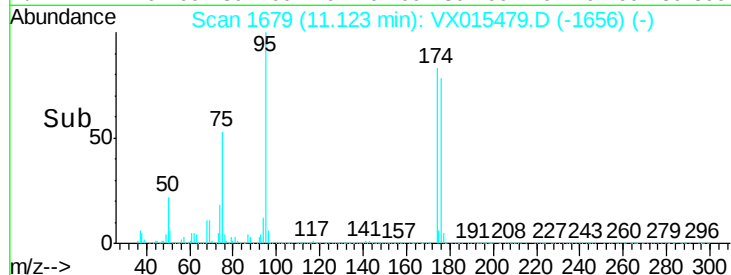
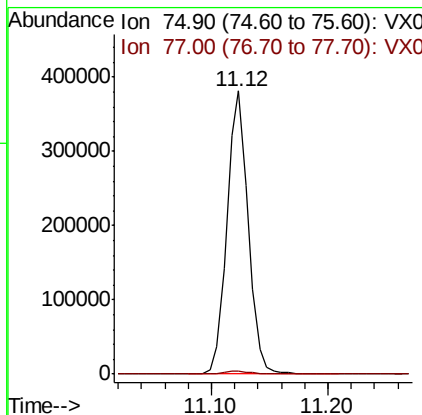
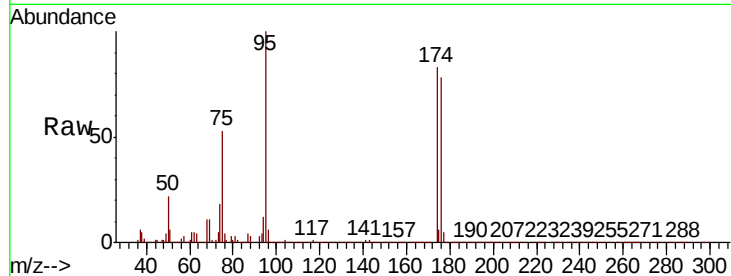


#76

1,2,3-Trichloropropane
Concen: 26.489 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Instrument :
MSVOA_X
ClientSampled :

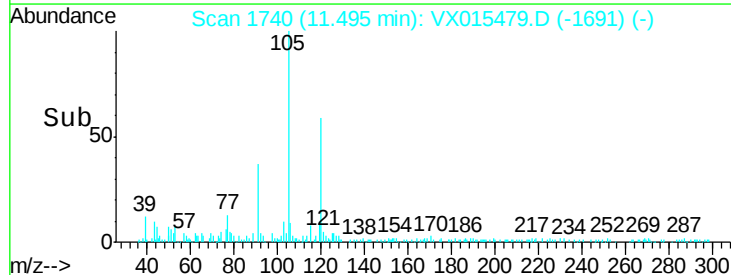
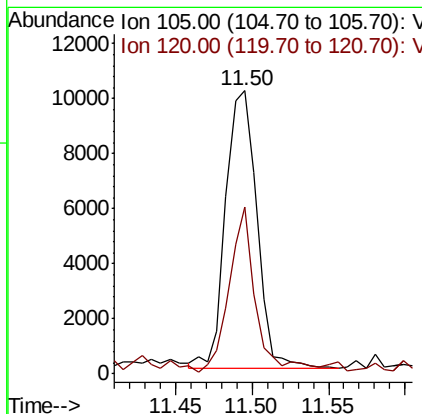
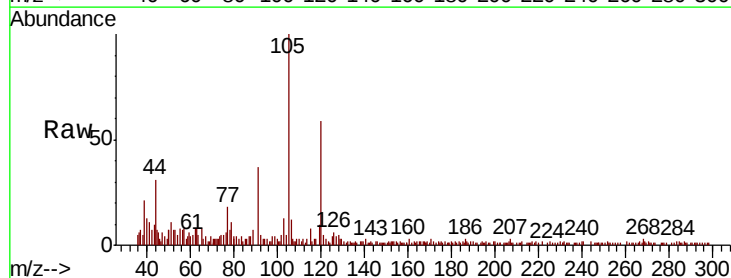
Tot Ion: 75 Resp: 478659
Ion Ratio Lower Upper
75 100
77 1.2 21.2 63.6#

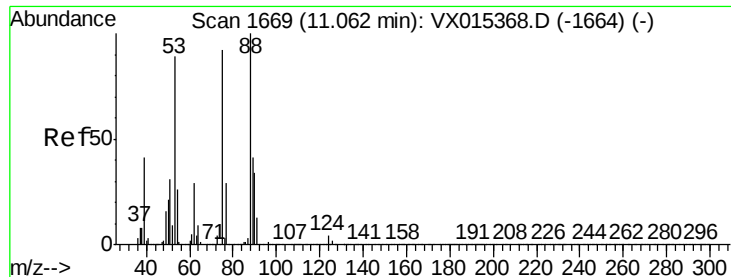


#80

1,3,5-Trimethylbenzene
Concen: 0.291 ug/l
RT: 11.50 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VX015479.D
Acq: 02 Apr 2020 14:13

Tgt Ion: 105 Resp: 14295
Ion Ratio Lower Upper
105 100
120 50.0 24.8 74.4





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.560 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015479.D
 Acq: 02 Apr 2020 14:13

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 478659
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 36.1 54.1#

