

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019044.D
 Acq On : 22 Oct 2020 22:43
 Operator : JC/SP
 Sample : VX1022WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL02

Quant Time: Oct 23 08:36:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	278213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	488657	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	467572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	235889	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	170492	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	5.46	113	148273	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	8.70	98	599436	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.12	95	220122	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	

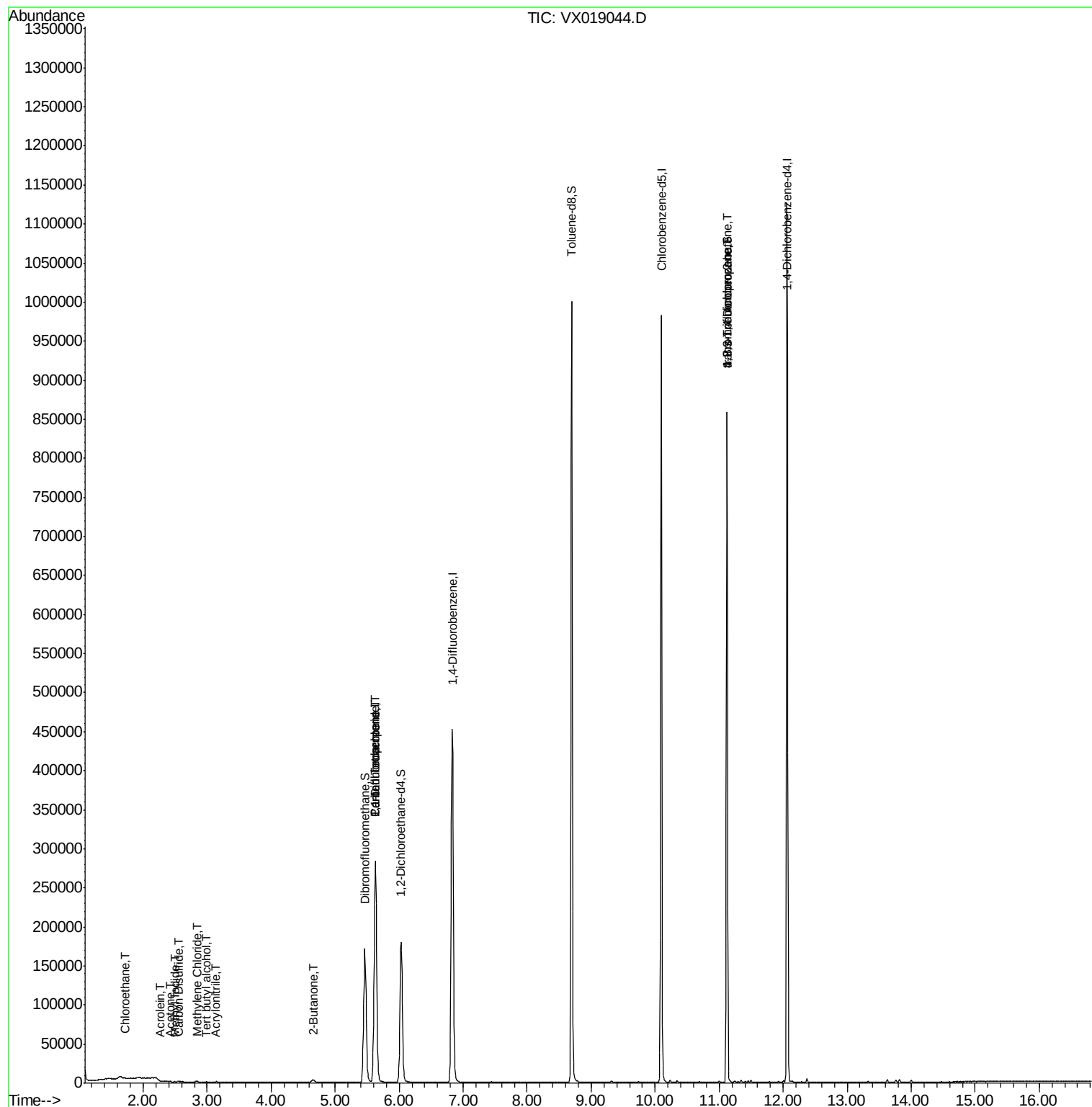
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	484	Below Cal		89
6) Chloroethane	1.72	64	98	1.307	ug/l #	43
10) Methyl Iodide	2.50	142	416	4.872	ug/l #	85
11) Tert butyl alcohol	3.00	59	398	0.590	ug/l #	73
13) Acrolein	2.28	56	147	14.171	ug/l #	16
15) Acrylonitrile	3.12	53	272	0.208	ug/l #	68
16) Acetone	2.42	43	647	0.570	ug/l	99
17) Carbon Disulfide	2.55	76	1637	0.210	ug/l #	82
20) Methylene Chloride	2.84	84	791	0.250	ug/l #	77
25) 2-Butanone	4.65	43	515	0.287	ug/l #	40
36) 1,1-Dichloropropene	5.62	75	21312	4.861	ug/l #	48
38) Carbon Tetrachloride	5.64	117	27593	5.996	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	108965	23.112	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	108965	58.883	ug/l #	15

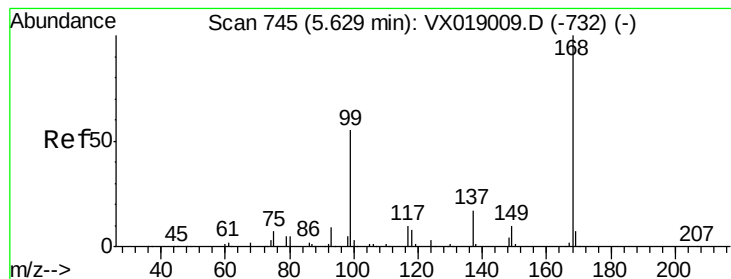
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VX1022WBL02

Quant Time: Oct 23 08:36:35 2020
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Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Instrument :

MSVOA_X

ClientSampleId :

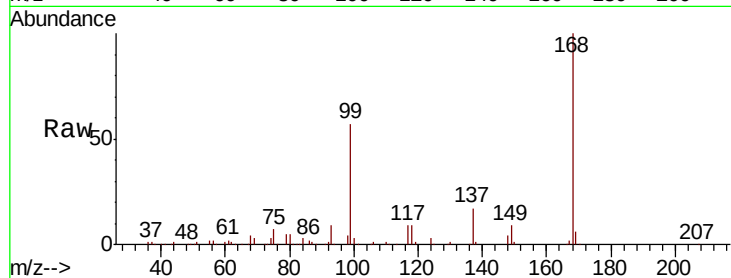
VX1022WBL02

Tot Ion:168 Resp: 278213

Ion Ratio Lower Upper

168 100

99 57.1 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

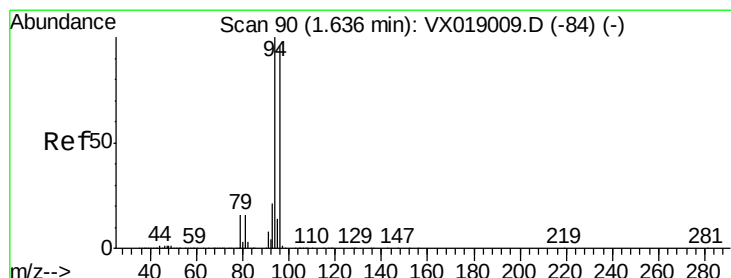
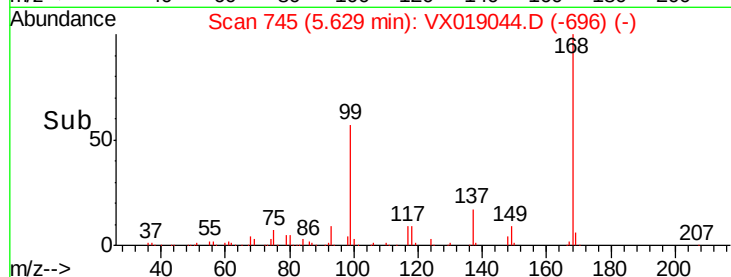
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019044.D

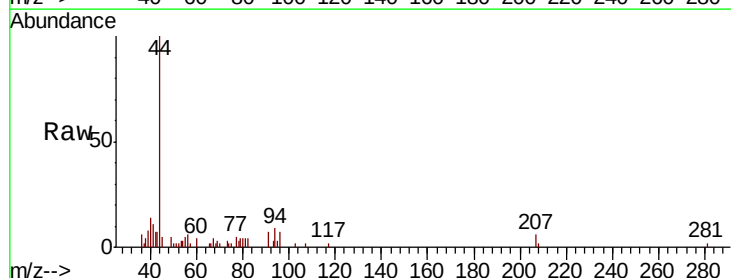
Acq: 22 Oct 2020 22:43

Tgt Ion: 94 Resp: 484

Ion Ratio Lower Upper

94 100

96 86.1 77.1 115.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

150

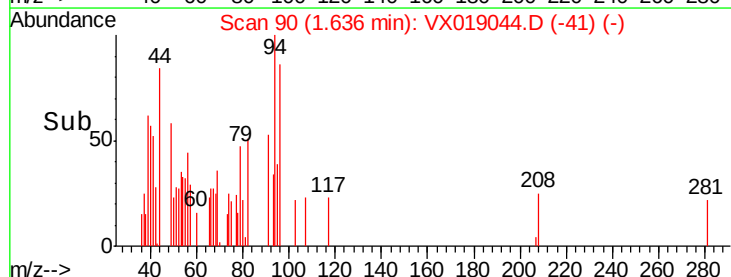
100

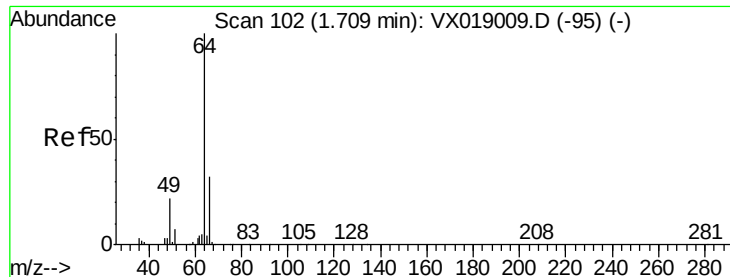
50

0

1.60 1.65

Time-->





#6

Chloroethane

Concen: 1.307 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Instrument :

MSVOA_X

ClientSampled :

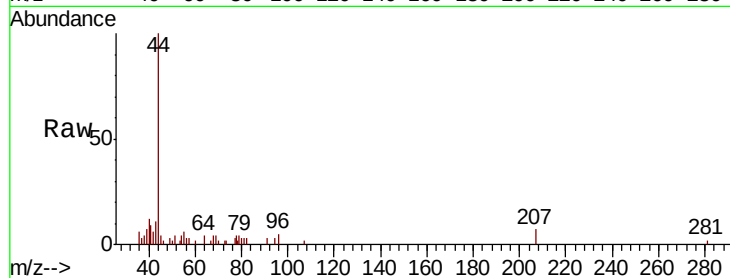
VX1022WBL02

Tot Ion: 64 Resp: 98

Ion Ratio Lower Upper

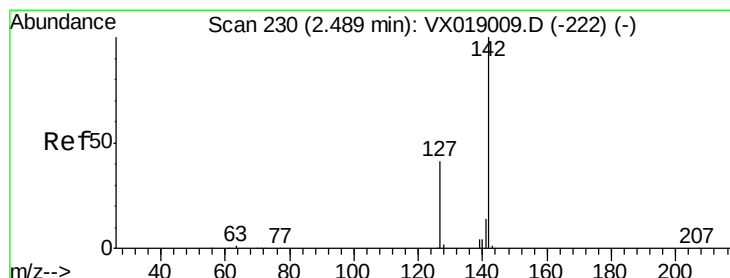
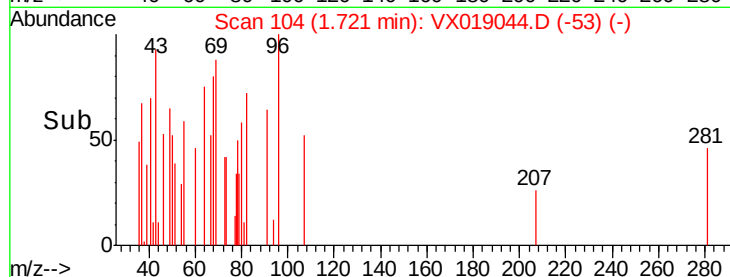
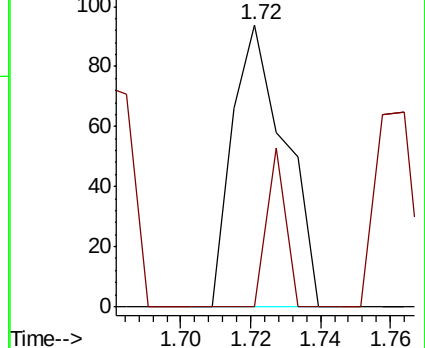
64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.872 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

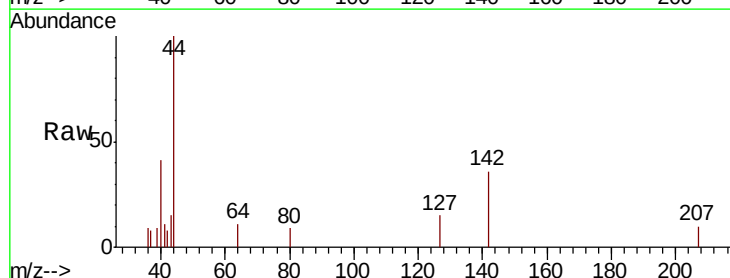
Tgt Ion:142 Resp: 416

Ion Ratio Lower Upper

142 100

127 36.3 33.6 50.4

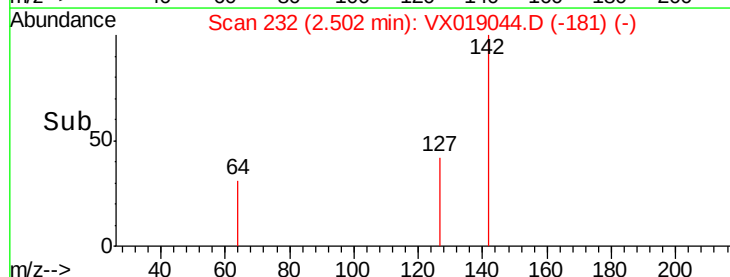
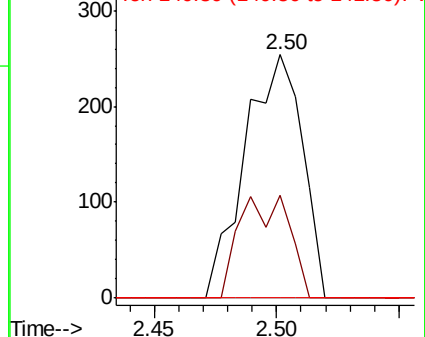
141 0.0 11.2 16.8#

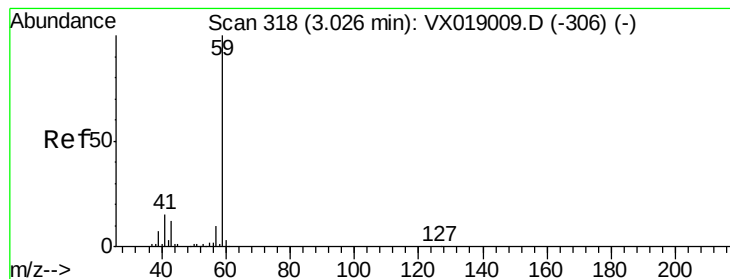


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.590 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.03 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Instrument :

MSVOA_X

ClientSampleId :

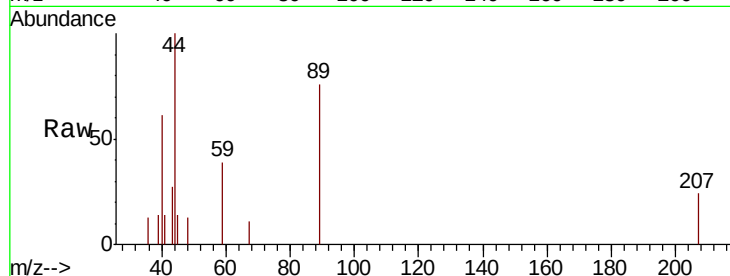
VX1022WBL02

Tot Ion: 59 Resp: 398

Ion Ratio Lower Upper

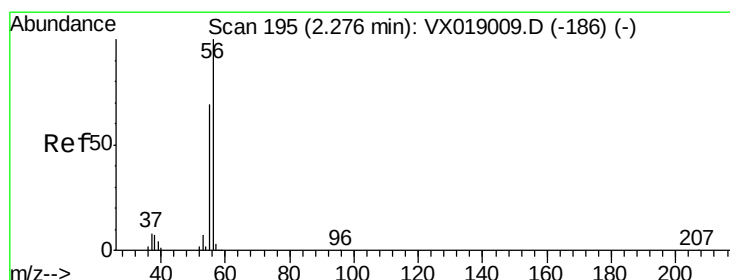
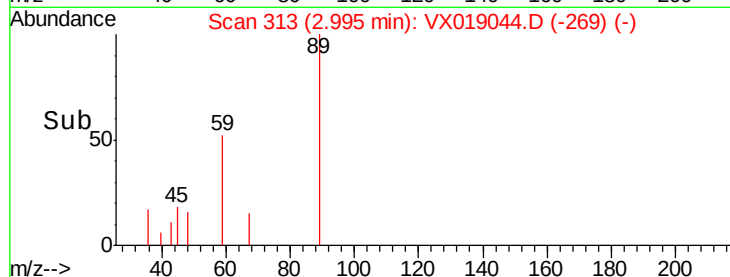
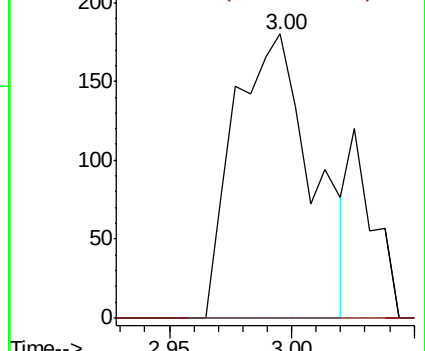
59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 14.171 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019044.D

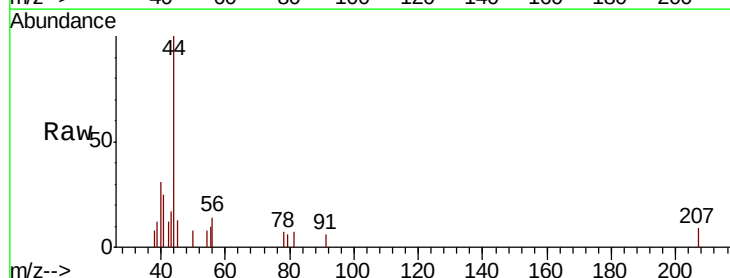
Acq: 22 Oct 2020 22:43

Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

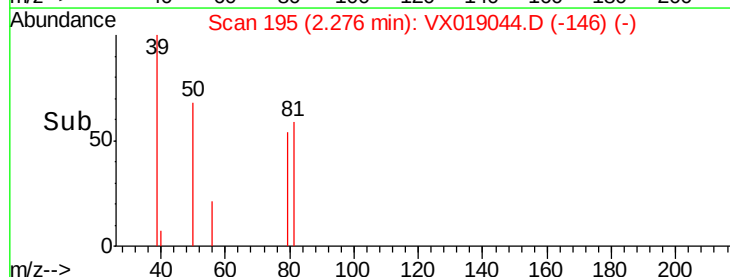
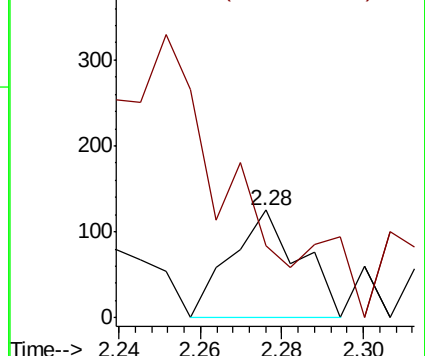
56 100

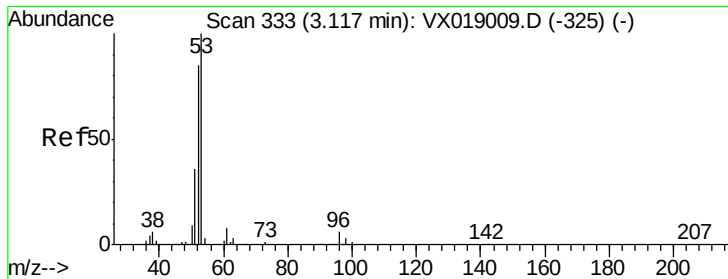
55 0.0 54.2 81.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.208 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBL02

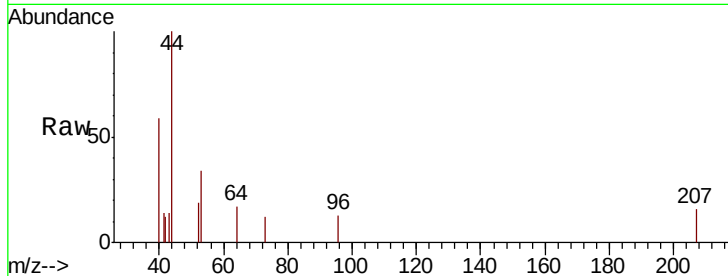
Tot Ion: 53 Resp: 272

Ion Ratio Lower Upper

53 100

52 64.7 65.9 98.9#

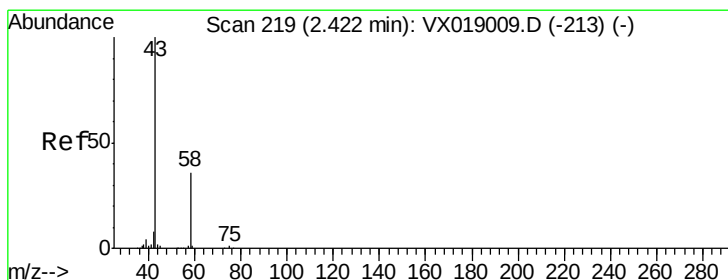
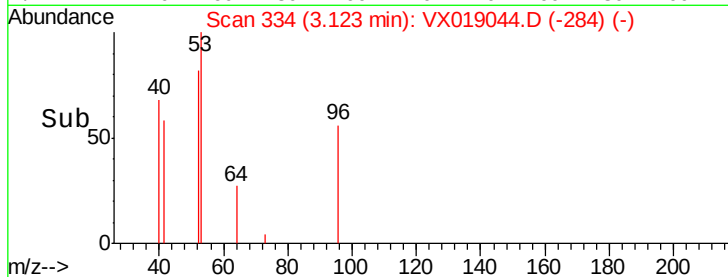
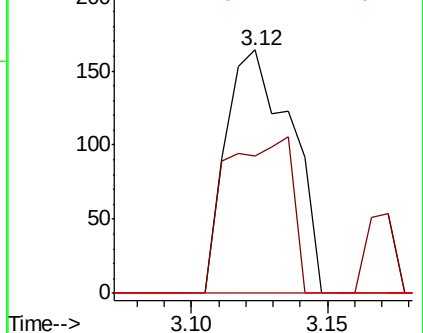
51 0.0 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.570 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019044.D

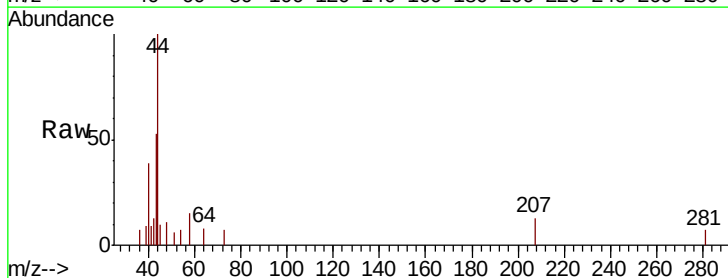
Acq: 22 Oct 2020 22:43

Tgt Ion: 43 Resp: 647

Ion Ratio Lower Upper

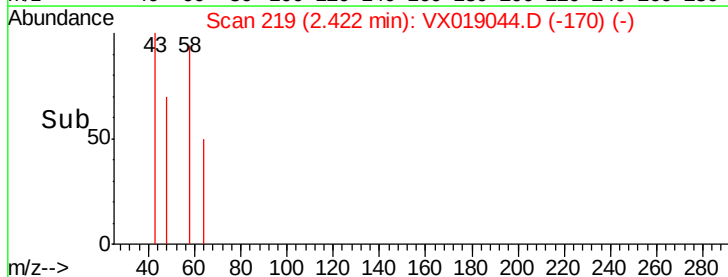
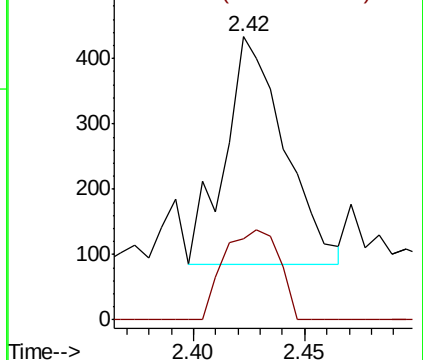
43 100

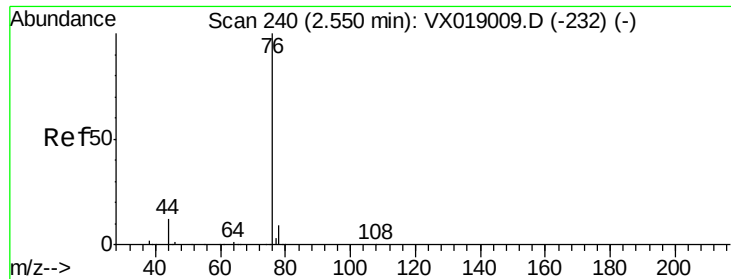
58 36.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Instrument :

MSVOA_X

ClientSampleId :

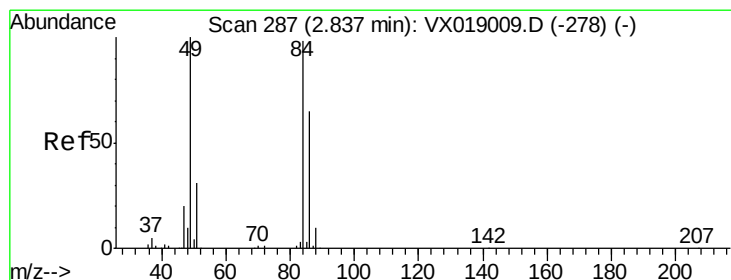
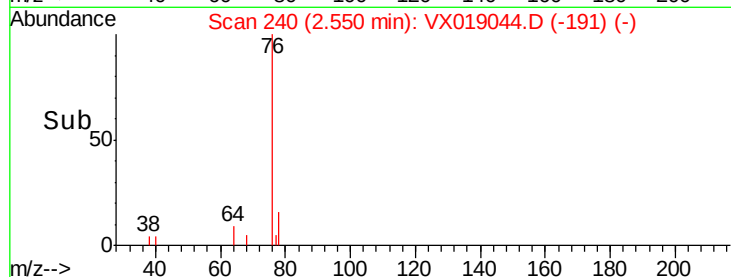
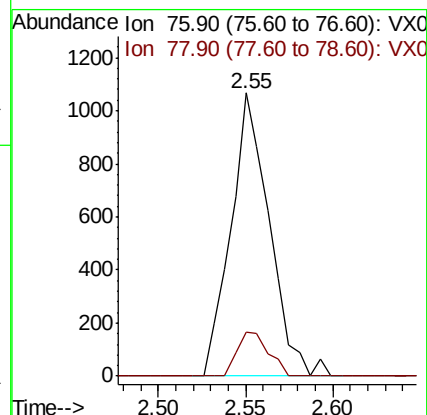
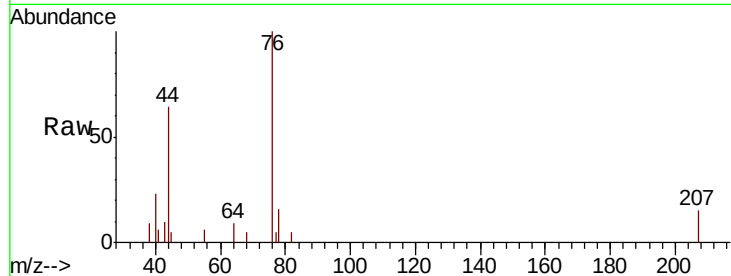
VX1022WBL02

Tot Ion: 76 Resp: 1637

Ion Ratio Lower Upper

76 100

78 15.6 7.1 10.7#



#20

Methylene Chloride

Concen: 0.250 ug/l

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Tgt Ion: 84 Resp: 791

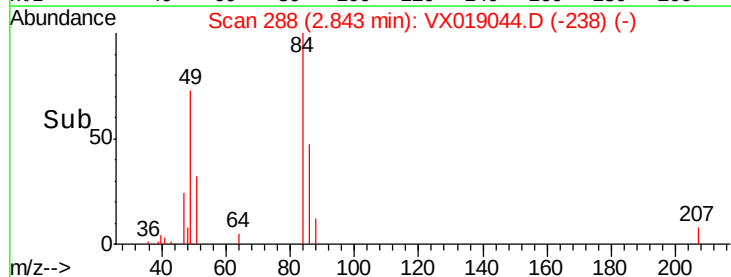
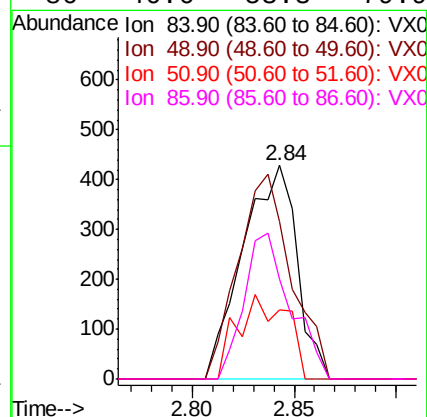
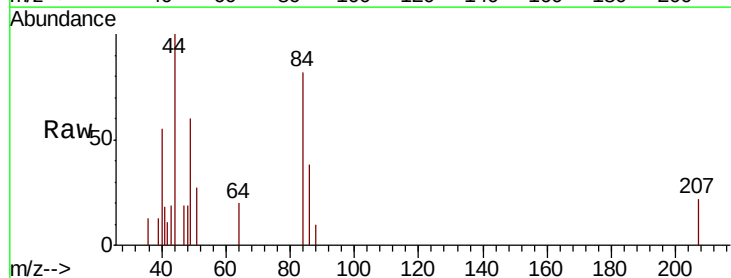
Ion Ratio Lower Upper

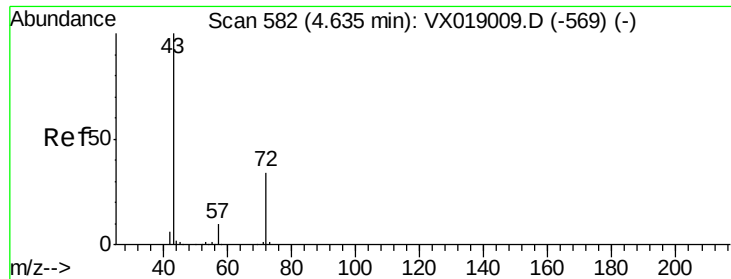
84 100

49 73.4 81.6 122.4#

51 32.4 25.6 38.4

86 46.6 53.3 79.9#





#25

2-Butanone

Concen: 0.287 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Instrument :

MSVOA_X

ClientSampleId :

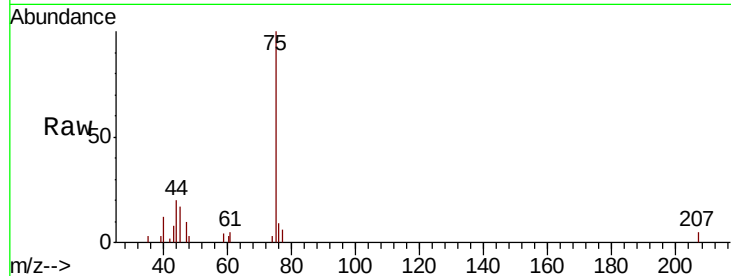
VX1022WBL02

Tot Ion: 43 Resp: 515

Ion Ratio Lower Upper

43 100

72 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200

150

100

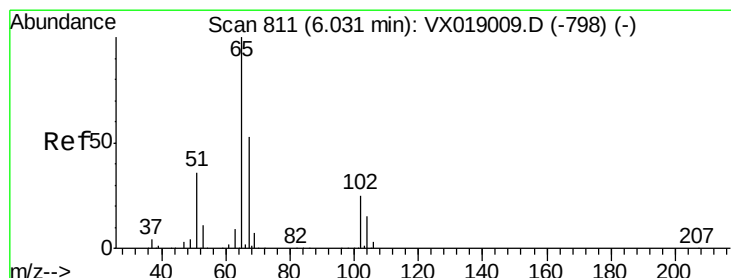
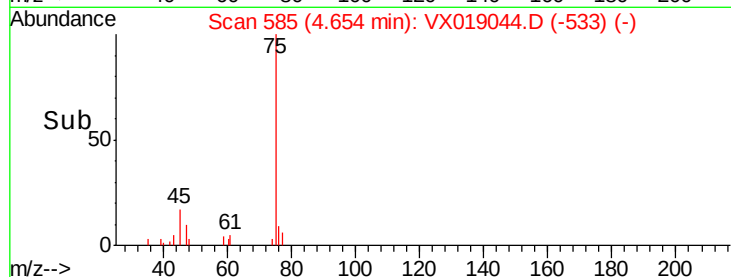
50

0

4.60

4.65

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.160 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019044.D

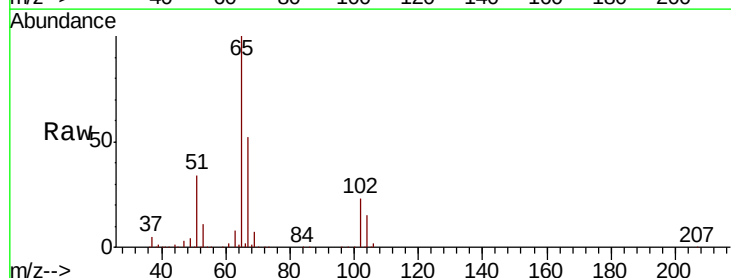
Acq: 22 Oct 2020 22:43

Tgt Ion: 65 Resp: 170492

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

60000

40000

20000

0

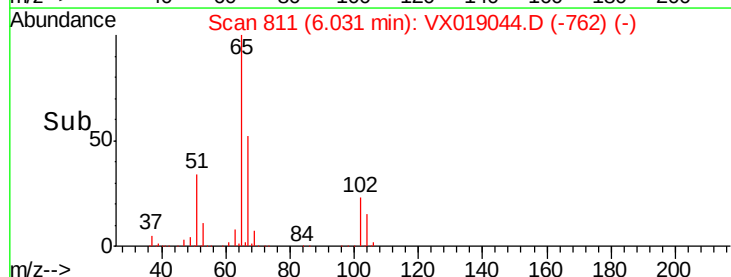
5.90

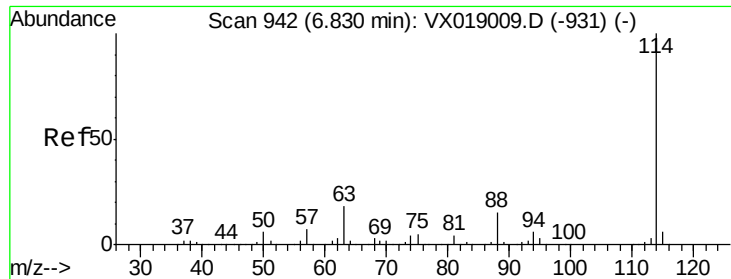
6.00

6.10

6.20

Time-->

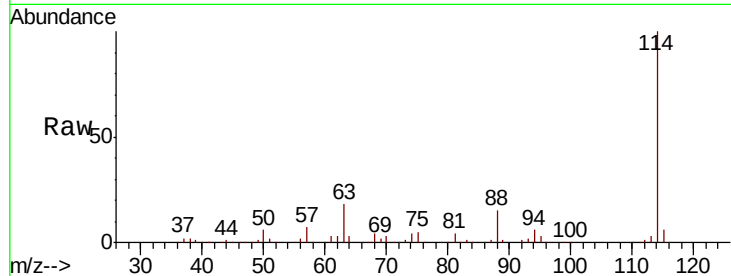




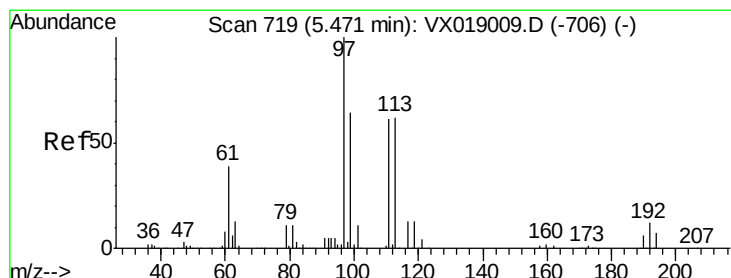
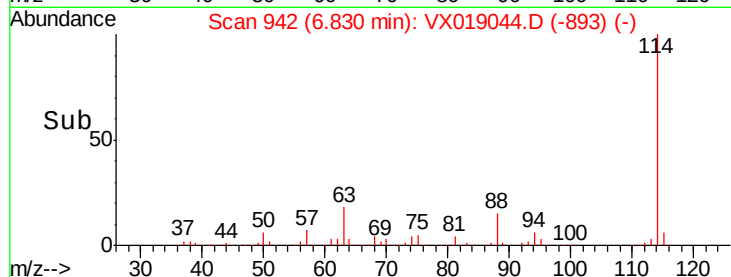
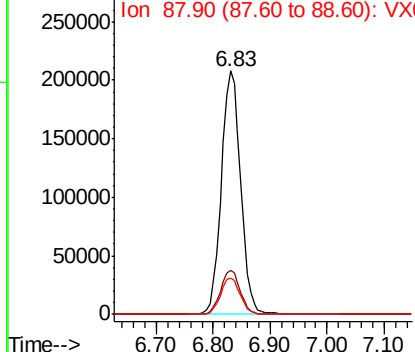
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.00 min
Lab File: VX019044.D
Acq: 22 Oct 2020 22:43

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL02

Tot Ion:114 Resp: 488657
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 14.9 0.0 30.2

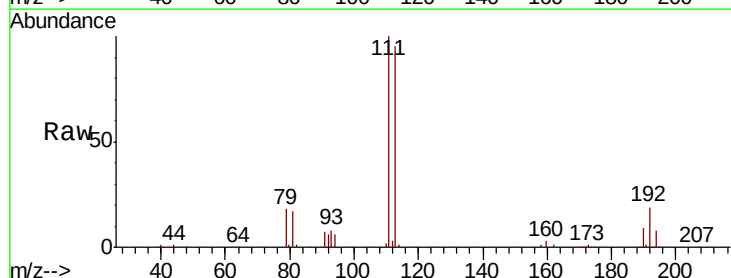


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

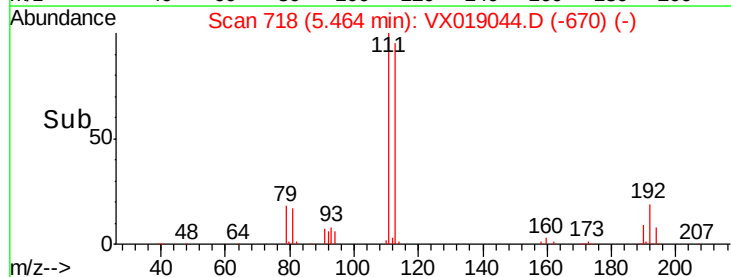
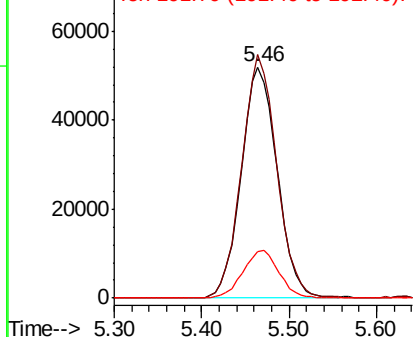


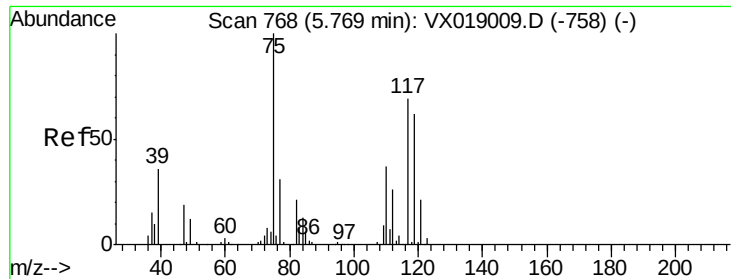
#35
Dibromofluoromethane
Concen: 47.925 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX019044.D
Acq: 22 Oct 2020 22:43

Tgt Ion:113 Resp: 148273
Ion Ratio Lower Upper
113 100
111 102.7 81.5 122.3
192 20.7 16.3 24.5



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

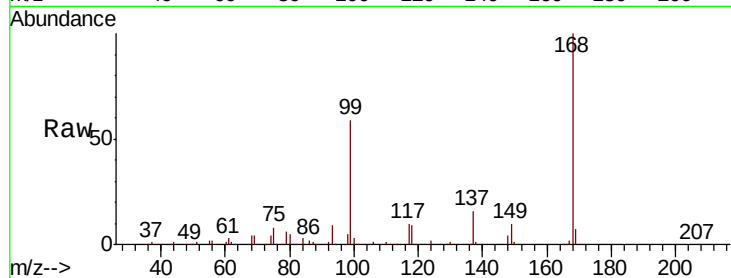




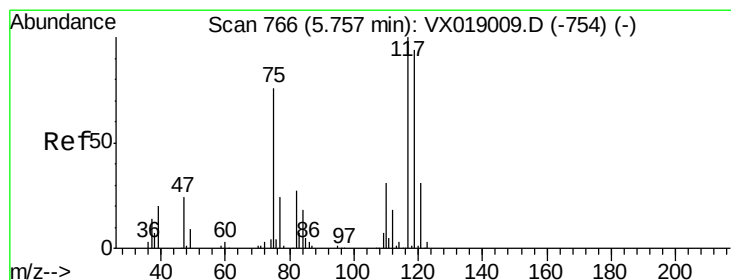
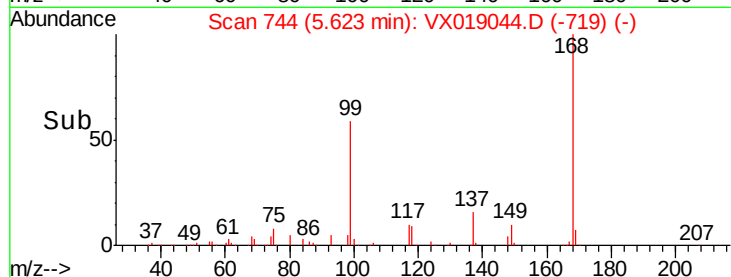
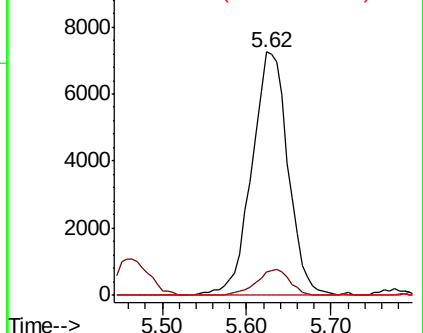
#36
 1,1-Dichloropropene
 Concen: 4.861 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX019044.D
 Acq: 22 Oct 2020 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBL02

Tot Ion: 75 Resp: 21312
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.4 58.2#
 77 0.0 25.2 37.8#

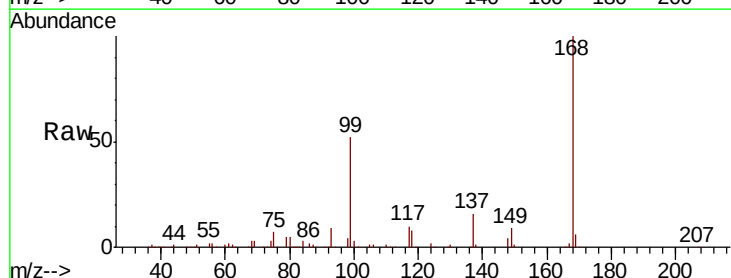


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

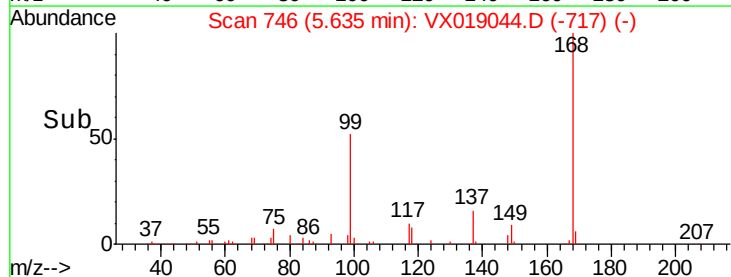
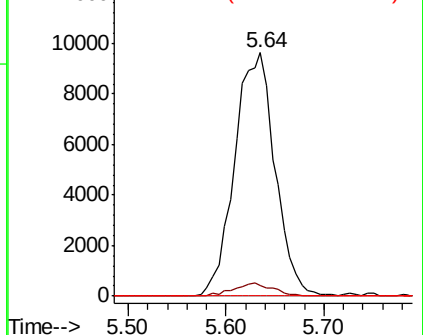


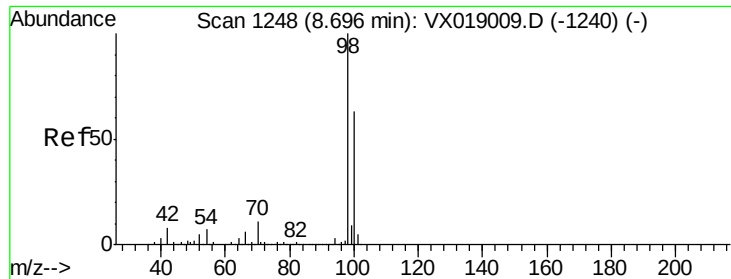
#38
 Carbon Tetrachloride
 Concen: 5.996 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX019044.D
 Acq: 22 Oct 2020 22:43

Tgt Ion: 117 Resp: 27593
 Ion Ratio Lower Upper
 117 100
 119 4.2 75.4 113.0#
 121 0.0 25.0 37.6#



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

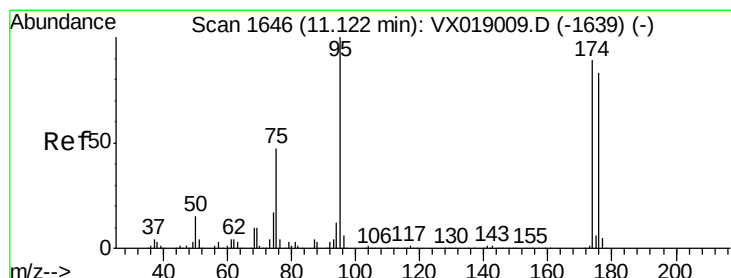
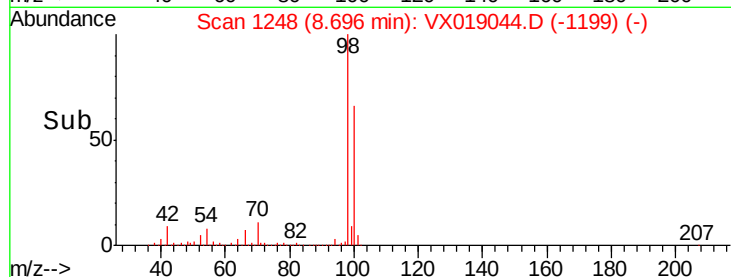
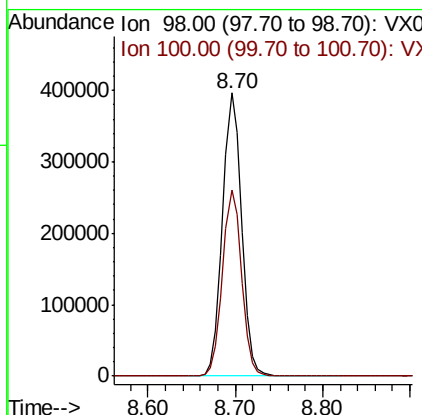
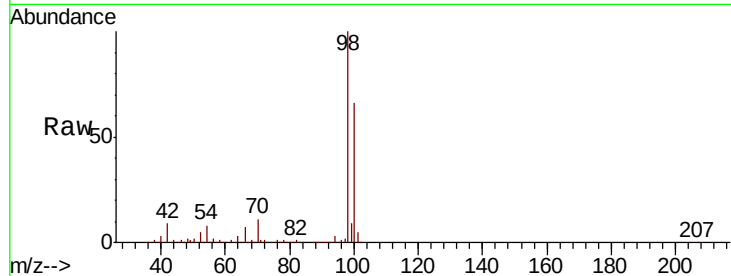




#50
Toluene-d8
Concen: 50.773 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019044.D
Acq: 22 Oct 2020 22:43

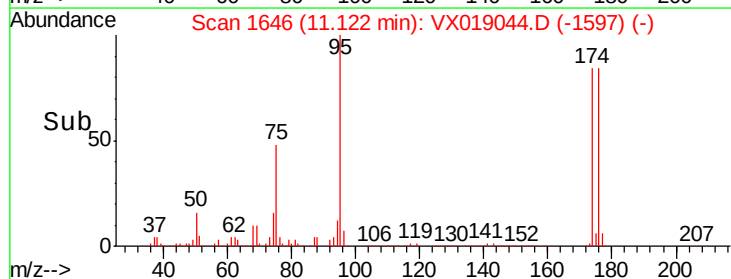
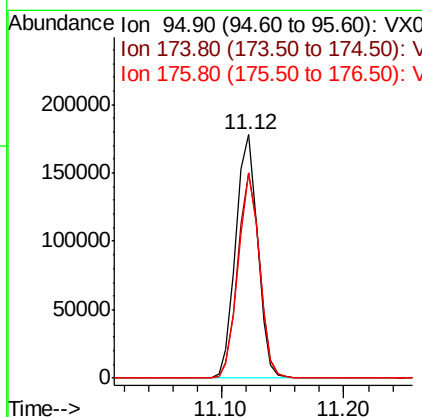
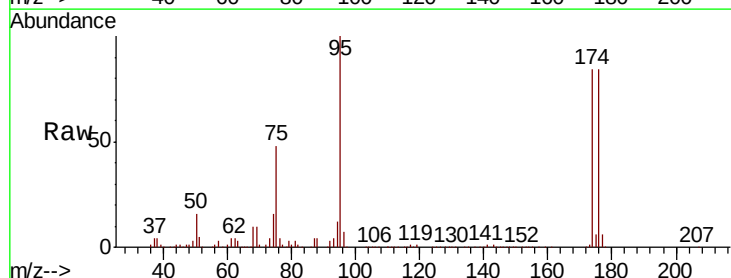
Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL02

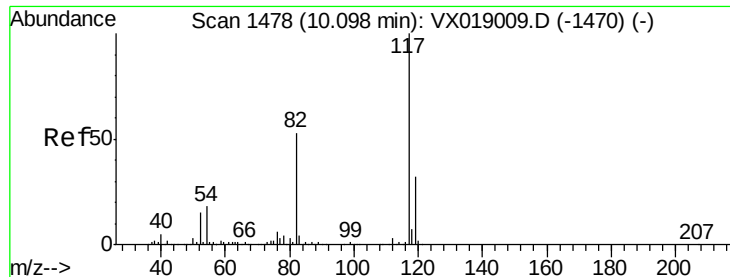
Tot Ion: 98 Resp: 599436
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 52.416 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019044.D
Acq: 22 Oct 2020 22:43

Tgt Ion: 95 Resp: 220122
Ion Ratio Lower Upper
95 100
174 83.6 0.0 167.6
176 81.7 0.0 165.2

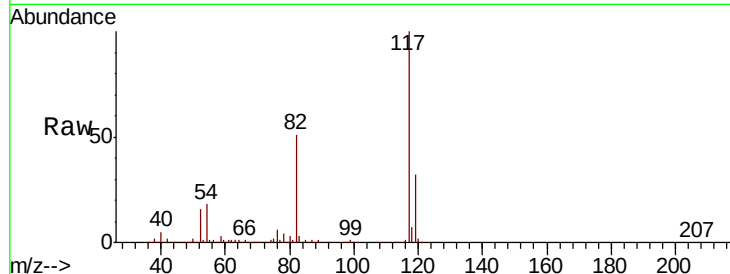




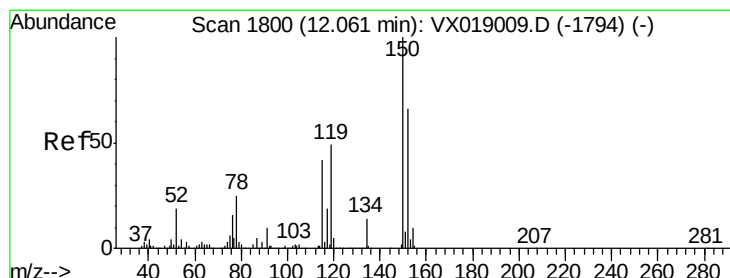
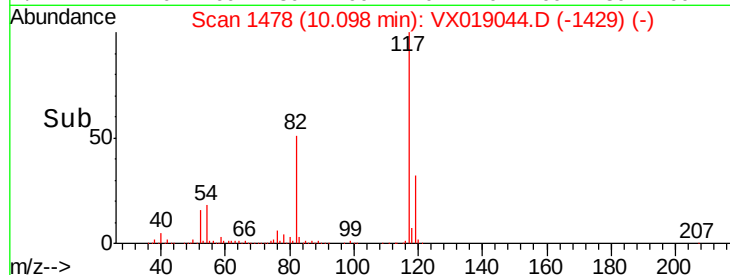
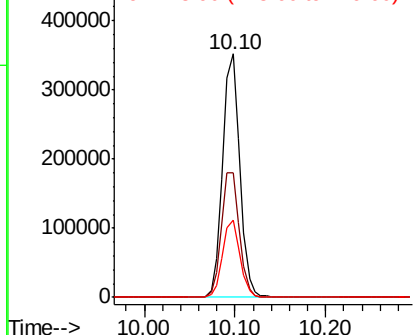
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019044.D
Acq: 22 Oct 2020 22:43

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBL02

Tot Ion:117 Resp: 467572
Ion Ratio Lower Upper
117 100
82 51.2 42.4 63.6
119 31.6 25.6 38.4

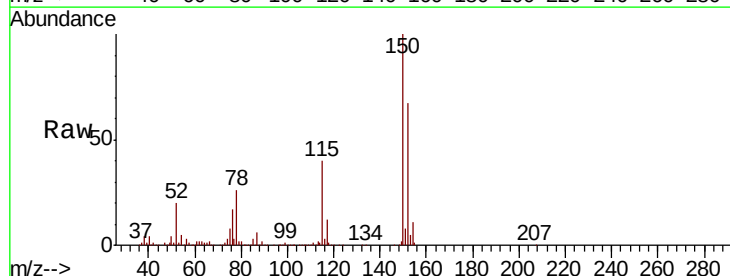


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

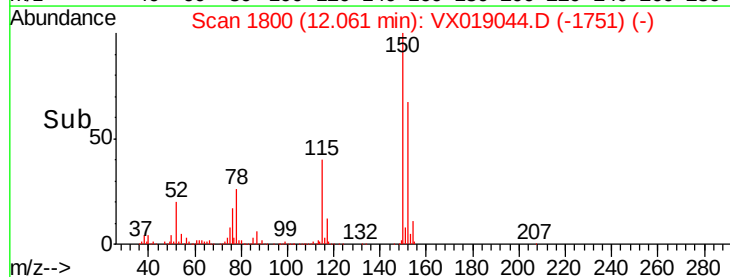
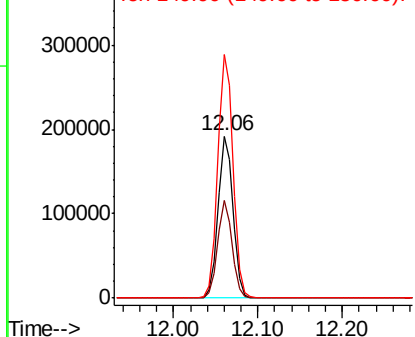


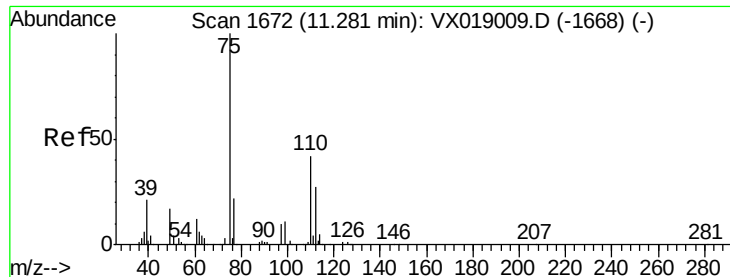
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019044.D
Acq: 22 Oct 2020 22:43

Tgt Ion:152 Resp: 235889
Ion Ratio Lower Upper
152 100
115 58.8 40.8 122.5
150 153.7 0.0 345.6



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: 23.112 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Instrument :

MSVOA_X

ClientSampleId :

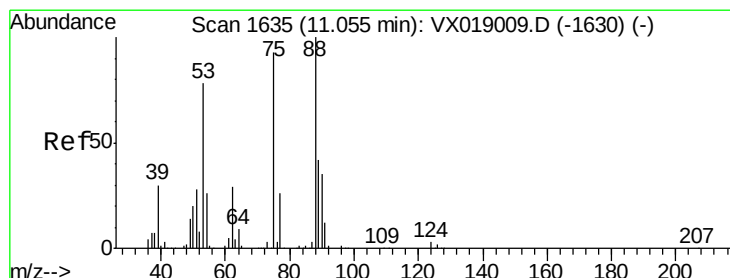
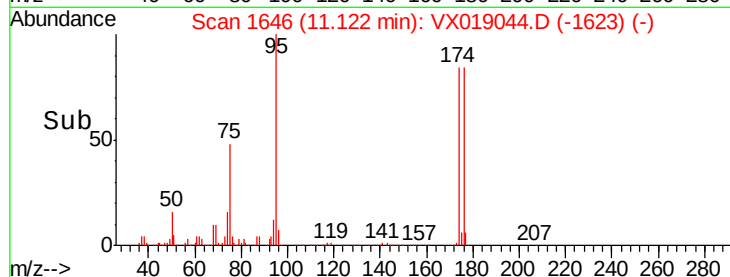
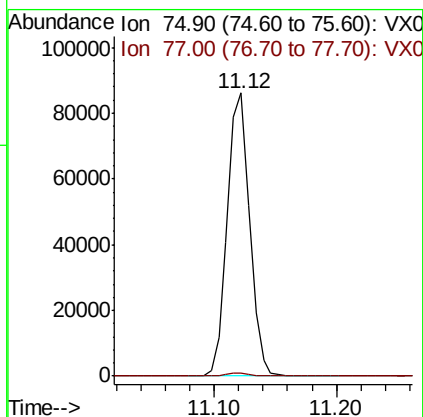
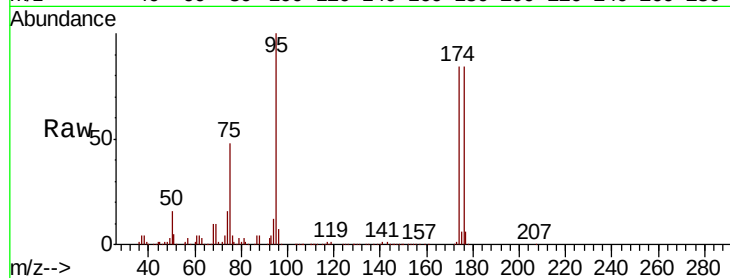
VX1022WBL02

Tot Ion: 75 Resp: 108965

Ion Ratio Lower Upper

75 100

77 1.2 20.7 62.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.883 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019044.D

Acq: 22 Oct 2020 22:43

Tgt Ion: 75 Resp: 108965

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#

