

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017094.D
 Acq On : 01 Jul 2020 13:44
 Operator : JC/SP
 Sample : L3129-11 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1308

Quant Time: Jul 02 01:35:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	219949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	372360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	382297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203649	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	146846	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
35) Dibromofluoromethane	5.47	113	123592	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
50) Toluene-d8	8.70	98	458797	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.12	95	188905	55.48	ug/l	0.00
Spiked Amount			Recovery	=	110.96%	

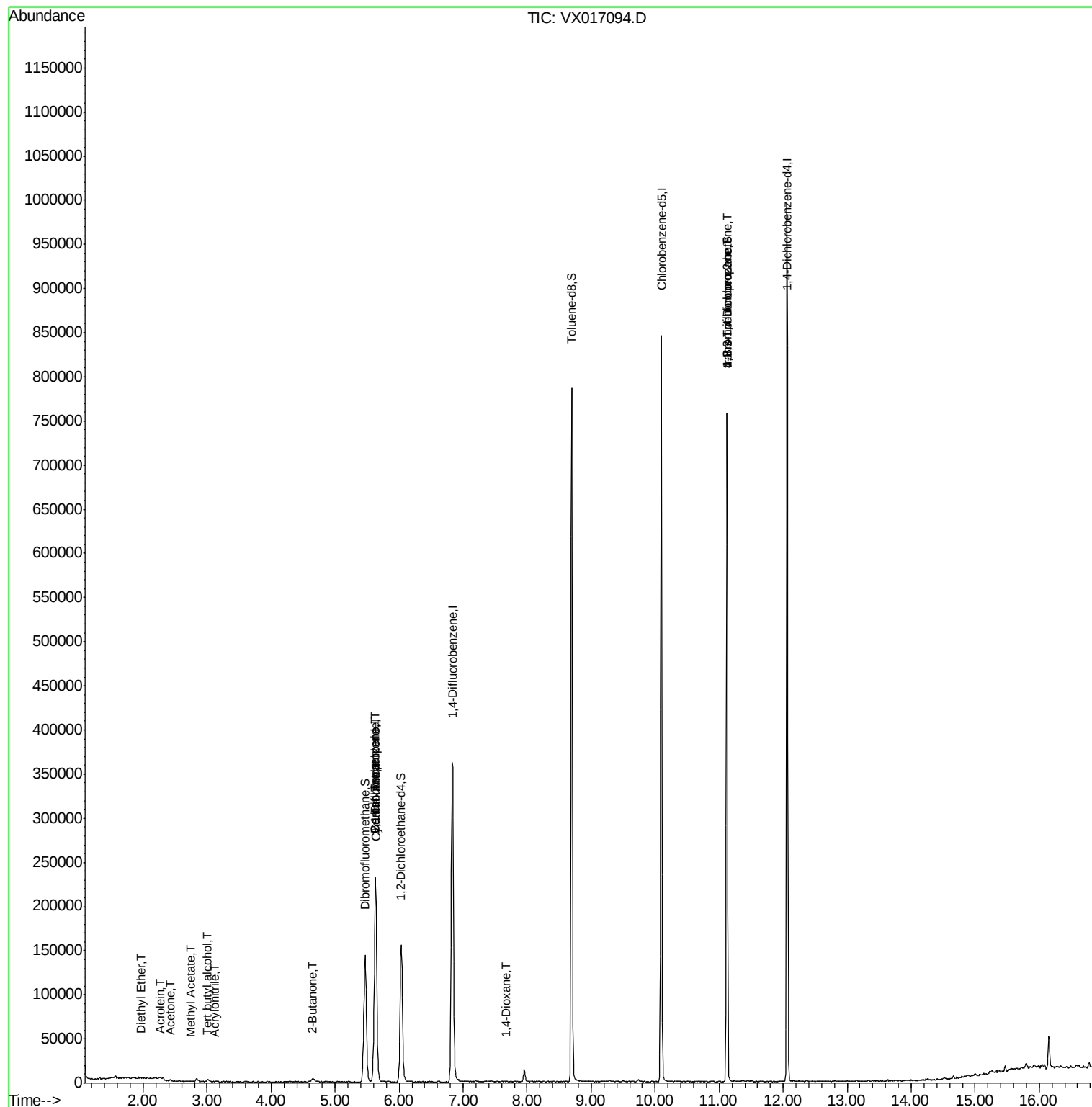
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.97	74	79	0.431	ug/l	72
11) Tert butyl alcohol	3.01	59	2714	5.247	ug/l	97
13) Acrolein	2.28	56	205	0.663	ug/l #	34
15) Acrylonitrile	3.12	53	334	0.269	ug/l #	68
16) Acetone	2.42	43	1507	1.486	ug/l #	84
18) Methyl Acetate	2.75	43	739	0.279	ug/l #	70
20) Methylene Chloride	2.84	84	1616	Below Cal		98
25) 2-Butanone	4.65	43	409	0.242	ug/l #	49
31) Cyclohexane	5.64	56	4408	1.204	ug/l #	18
36) 1,1-Dichloropropene	5.63	75	16496	4.687	ug/l #	49
38) Carbon Tetrachloride	5.63	117	21275	5.489	ug/l #	18
44) Trichloroethene	7.19	130	310	Below Cal		76
49) 1,4-Dioxane	7.67	88	22	0.344	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	92790	23.171	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	92790	60.004	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	668	Below Cal	#	1

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

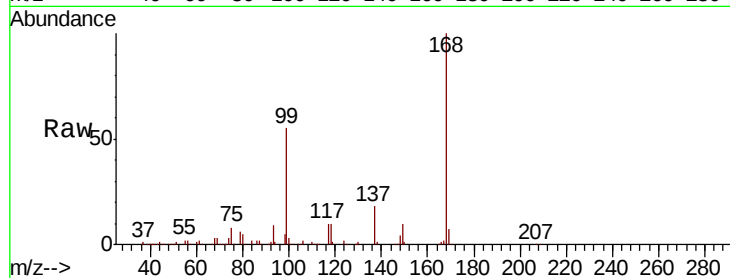
1308

Tot Ion:168 Resp: 219949

Ion Ratio Lower Upper

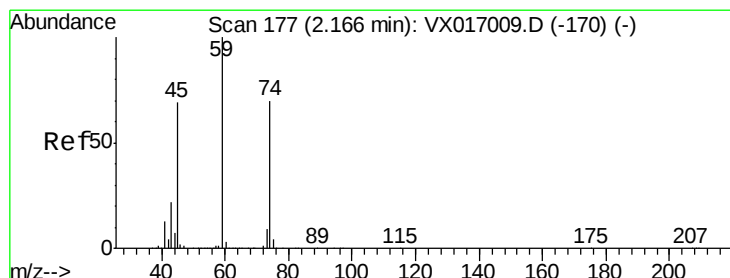
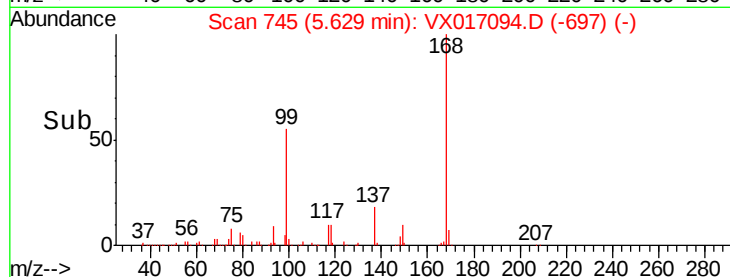
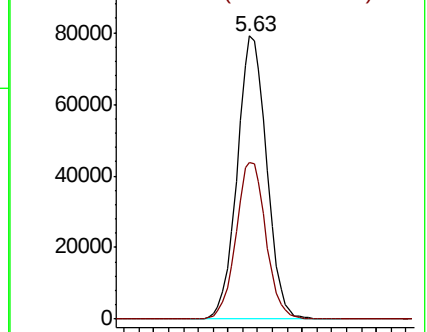
168 100

99 55.4 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.431 ug/l

RT: 1.97 min Scan# 145

Delta R.T. -0.19 min

Lab File: VX017094.D

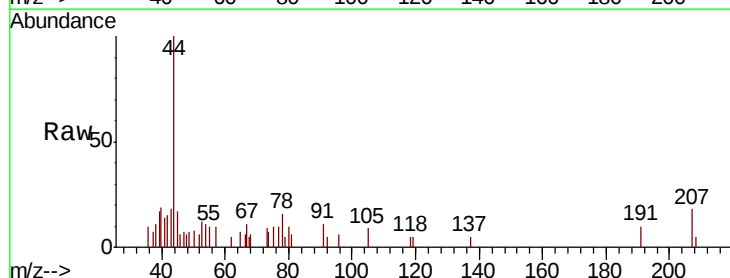
Acq: 01 Jul 2020 13:44

Tgt Ion: 74 Resp: 79

Ion Ratio Lower Upper

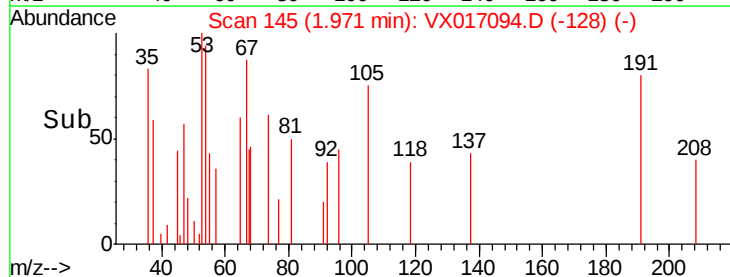
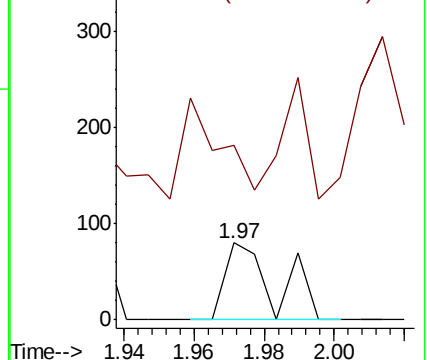
74 100

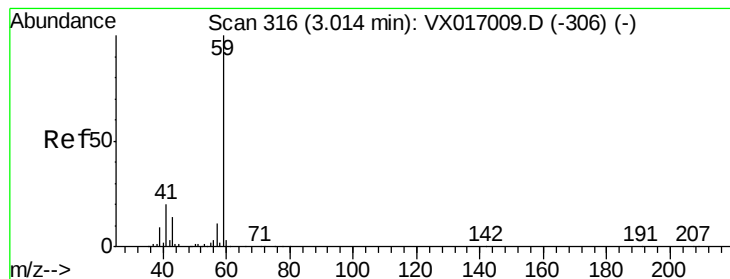
45 127.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



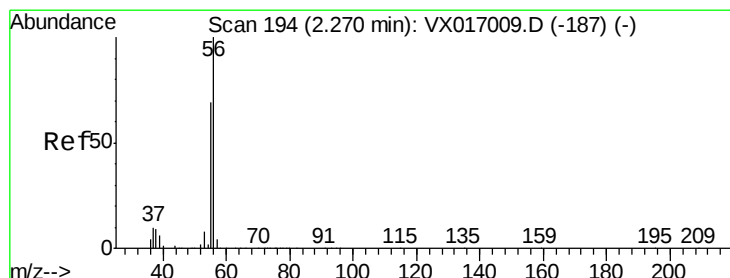
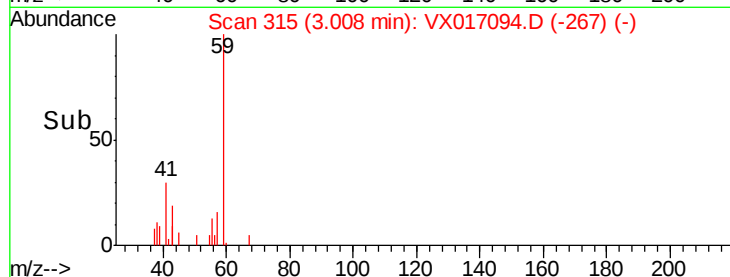
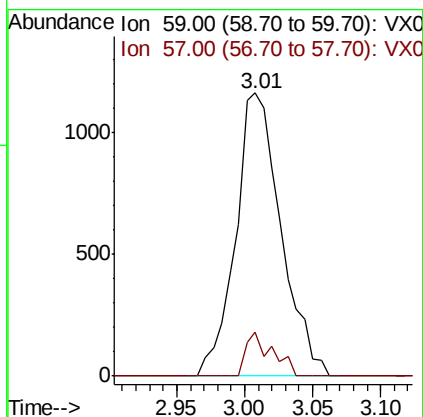
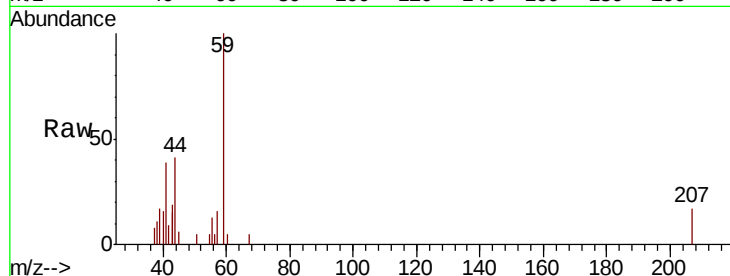


#11

Tert butyl alcohol
Concen: 5.247 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017094.D
Acq: 01 Jul 2020 13:44

Instrument :
MSVOA_X
ClientSampled :
1308

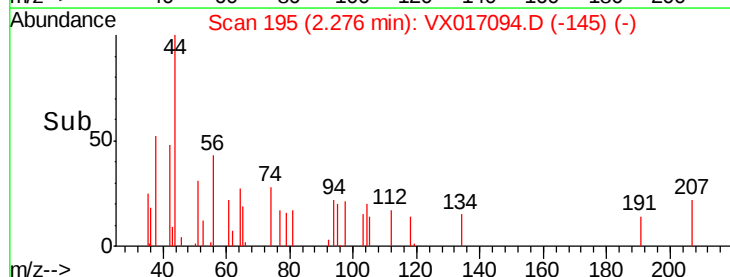
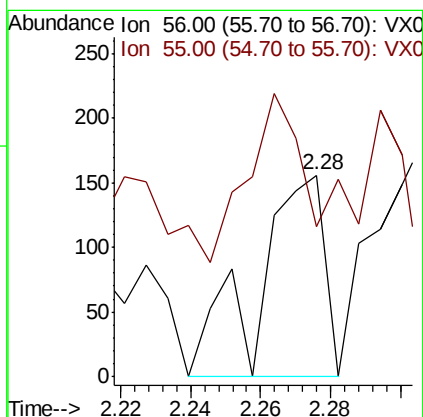
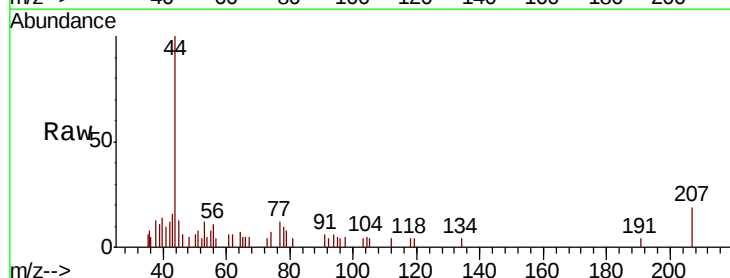
Tot Ion: 59 Resp: 2714
Ion Ratio Lower Upper
59 100
57 8.9 8.2 12.2

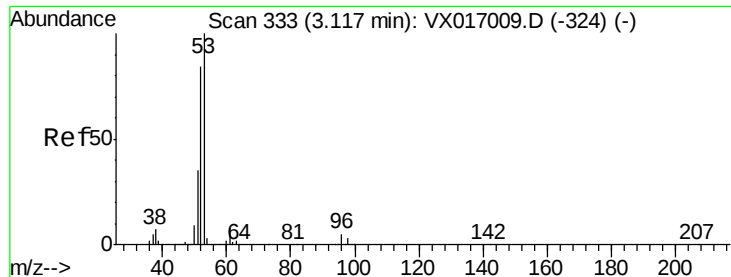


#13

Acrolein
Concen: 0.663 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017094.D
Acq: 01 Jul 2020 13:44

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 123.4 55.7 83.5#





#15

Acrylonitrile

Concen: 0.269 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

Instrument :

MSVOA_X

ClientSampled :

1308

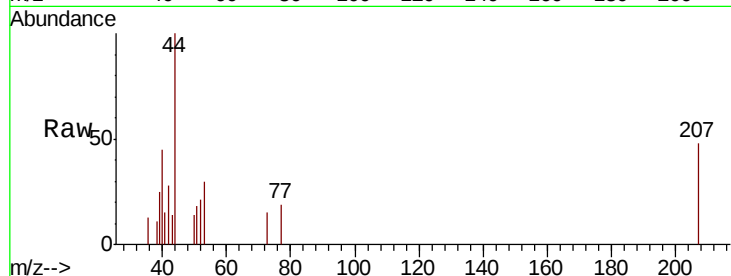
Tot Ion: 53 Resp: 334

Ion Ratio Lower Upper

53 100

52 45.2 65.6 98.4#

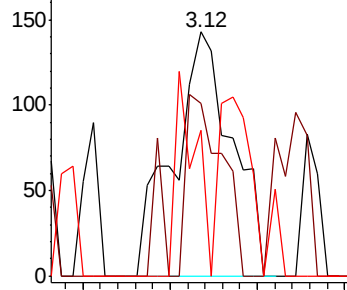
51 29.3 28.3 42.5



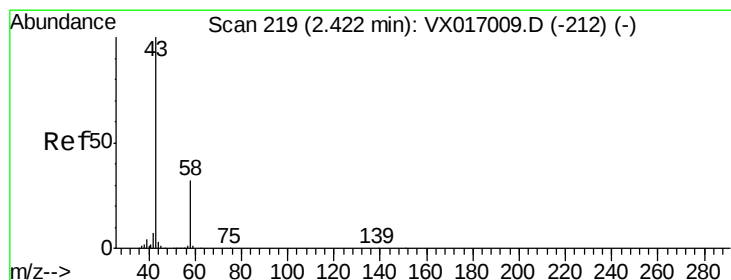
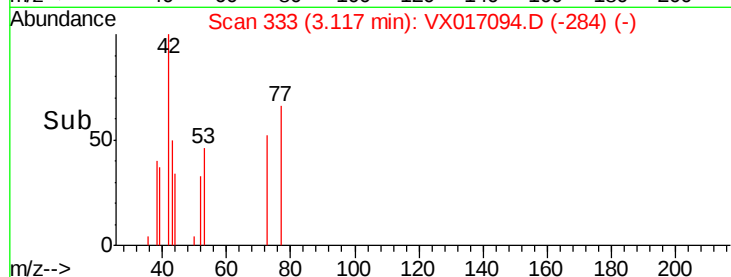
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 1.486 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017094.D

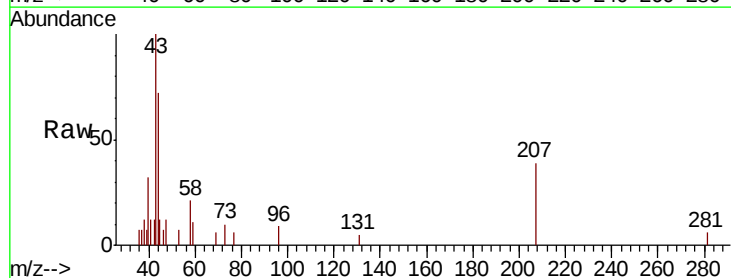
Acq: 01 Jul 2020 13:44

Tgt Ion: 43 Resp: 1507

Ion Ratio Lower Upper

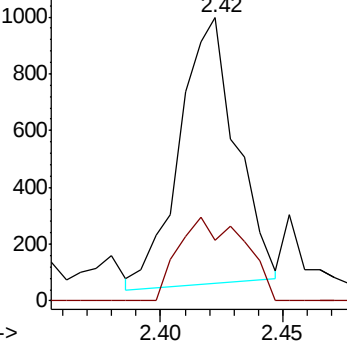
43 100

58 23.1 25.7 38.5#

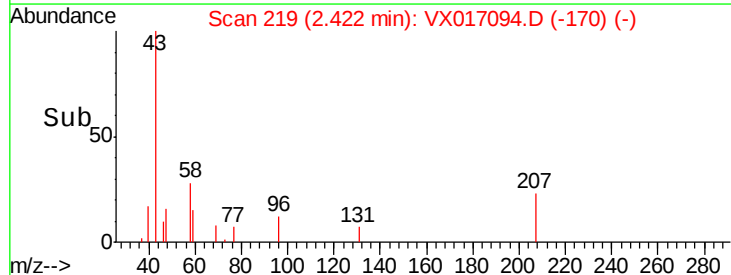


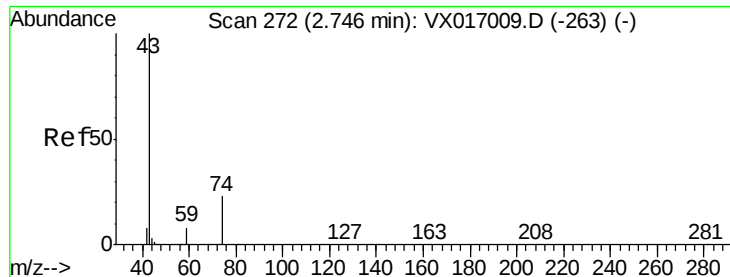
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

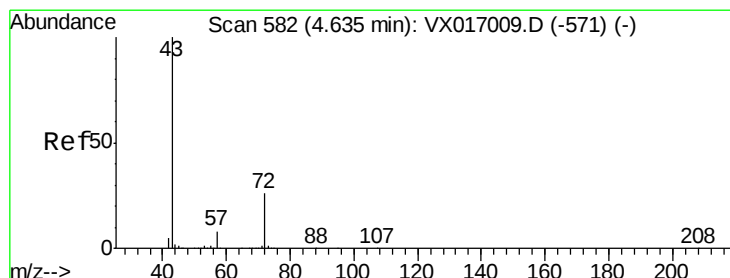
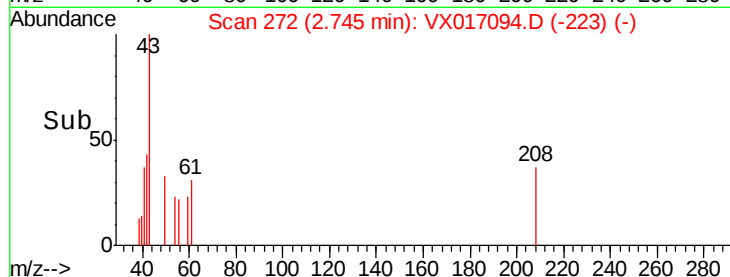
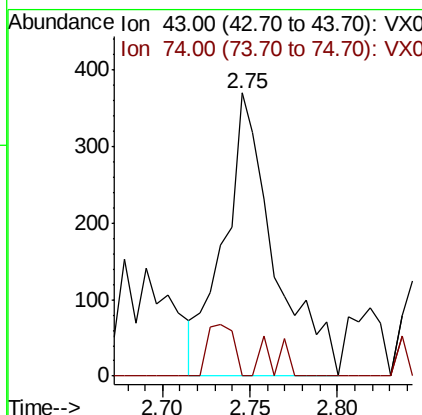
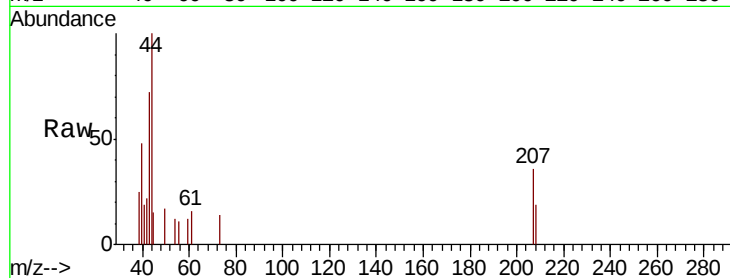




#18
Methvl Acetate
Concen: 0.279 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX017094.D
Acq: 01 Jul 2020 13:44

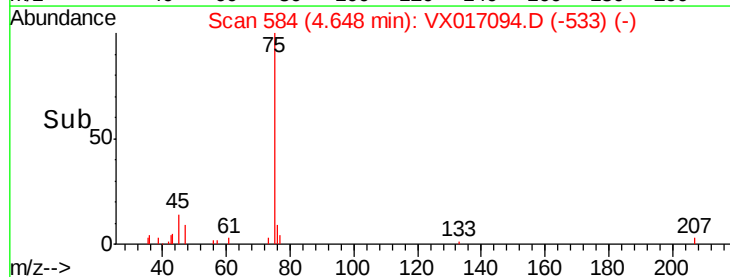
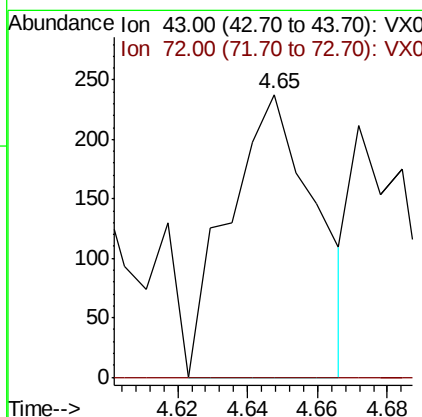
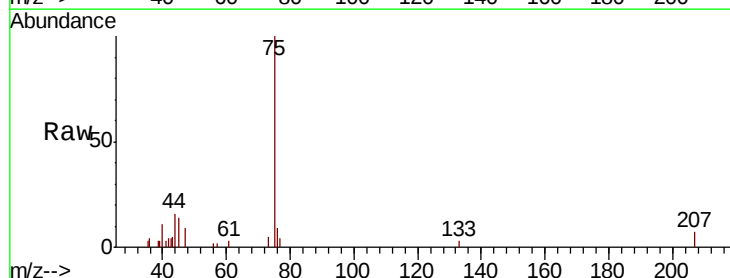
Instrument :
MSVOA_X
ClientSampled :
1308

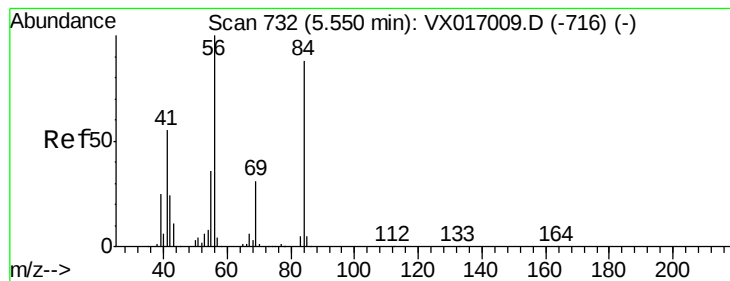
Tot Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
74 9.5 19.3 28.9#



#25
2-Butanone
Concen: 0.242 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017094.D
Acq: 01 Jul 2020 13:44

Tgt Ion: 43 Resp: 409
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#





#31

Cyclohexane

Concen: 1.204 ug/l

RT: 5.64 min Scan# 747

Delta R.T. 0.09 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

Instrument :

MSVOA_X

ClientSampled :

1308

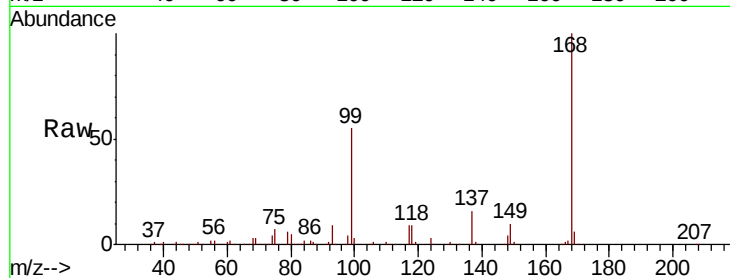
Tot Ion: 56 Resp: 4408

Ion Ratio Lower Upper

56 100

69 153.3 25.0 37.4#

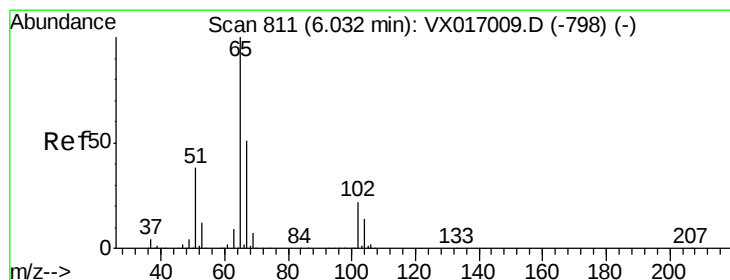
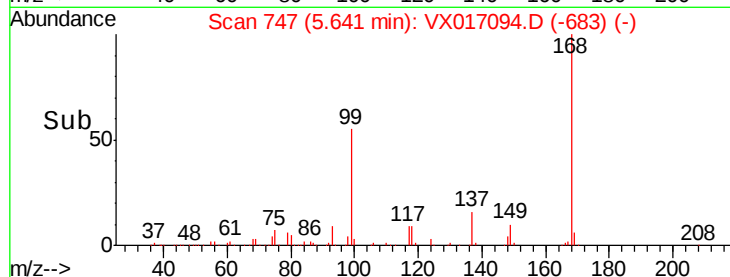
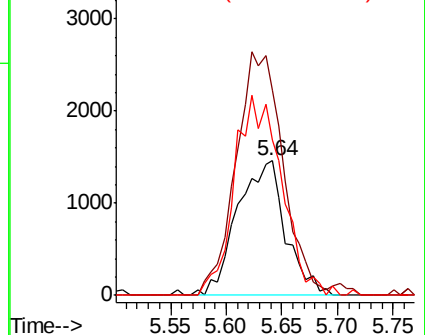
84 115.4 69.1 103.7#



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: 54.156 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017094.D

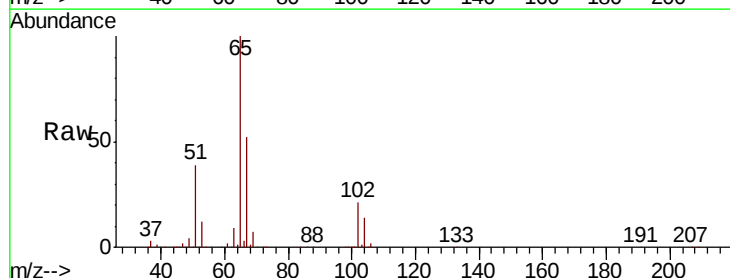
Acq: 01 Jul 2020 13:44

Tgt Ion: 65 Resp: 146846

Ion Ratio Lower Upper

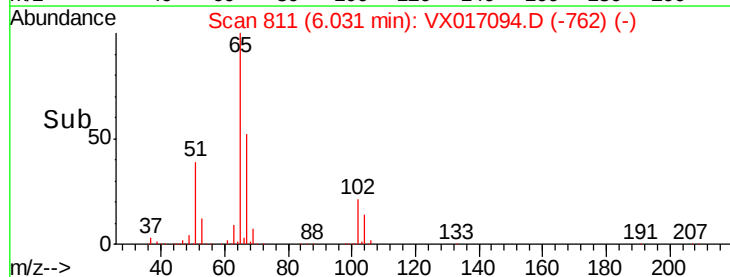
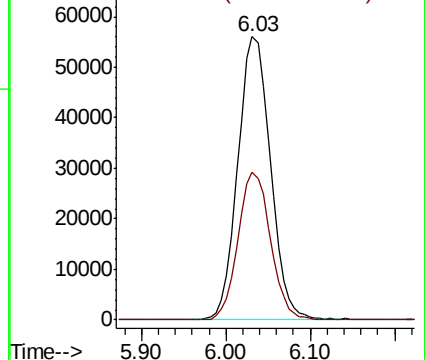
65 100

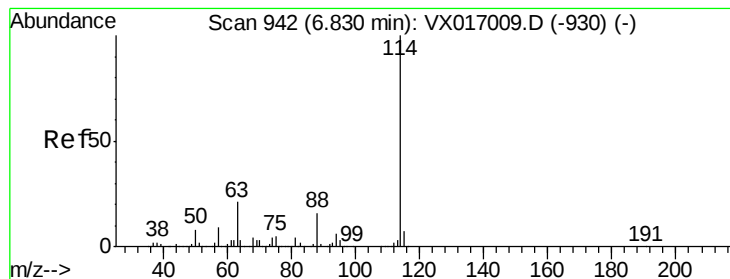
67 51.9 0.0 103.8



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. 0.01 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

1308

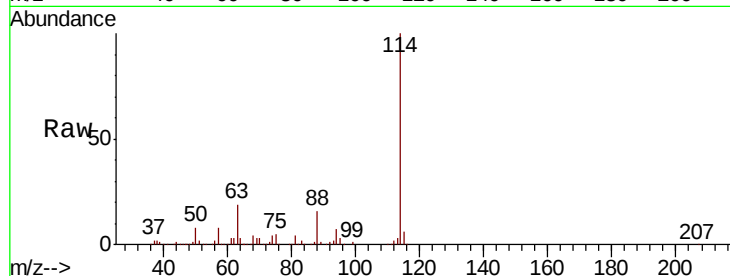
Tot Ion:114 Resp: 372360

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

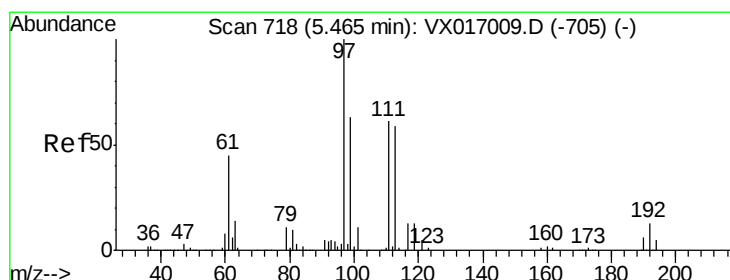
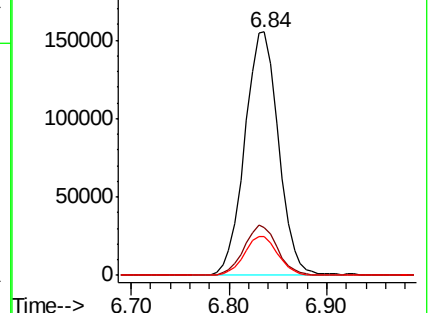
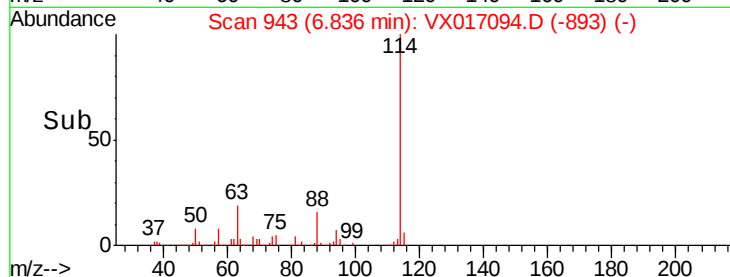
88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 52.471 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

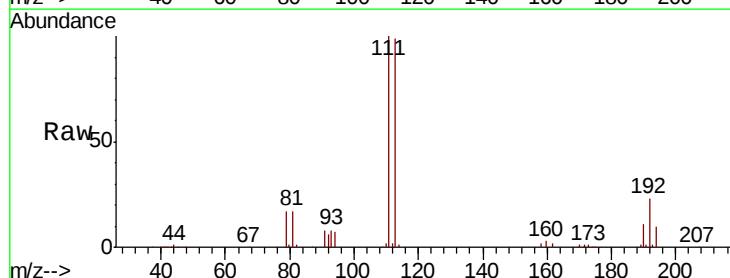
Tgt Ion:113 Resp: 123592

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

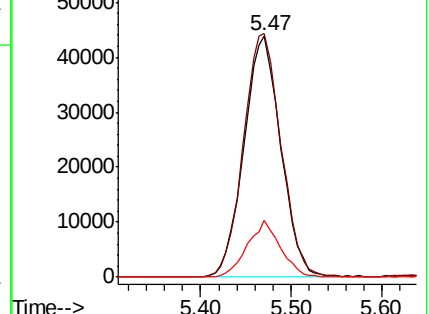
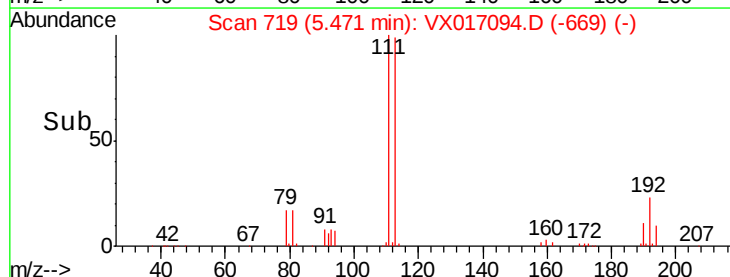
192 21.2 16.7 25.1

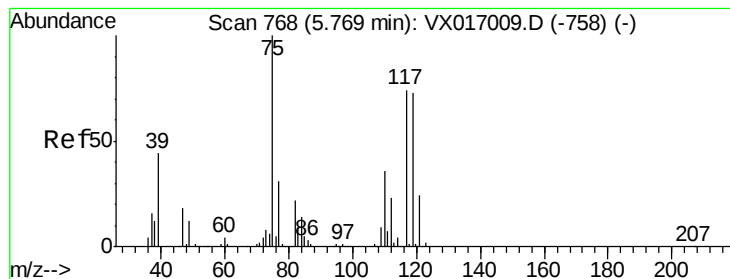


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.687 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

1308

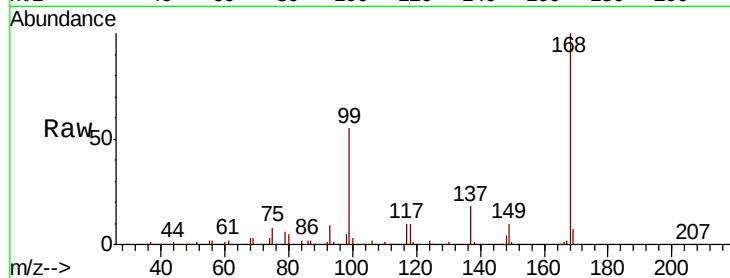
Tot Ion: 75 Resp: 16496

Ion Ratio Lower Upper

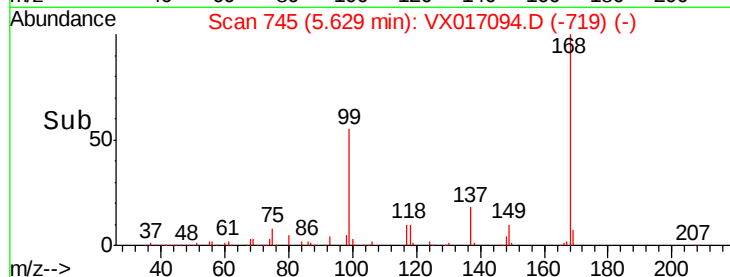
75 100

110 8.8 18.1 54.1#

77 0.0 24.6 37.0#



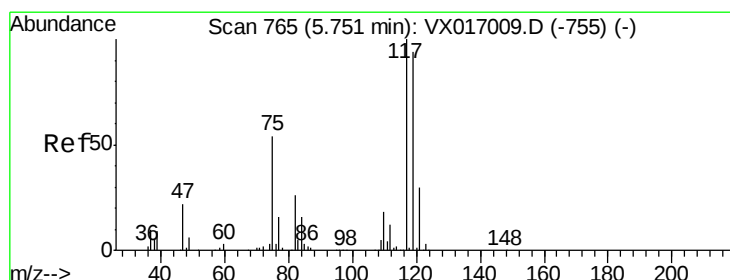
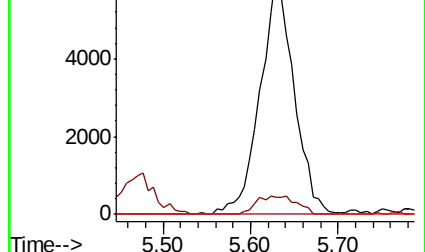
Abundance Ion 74.90 (74.60 to 75.60): VX017094.D (-719) (-)



Ion 109.90 (109.60 to 110.60): VX017094.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX017094.D (-719) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.489 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

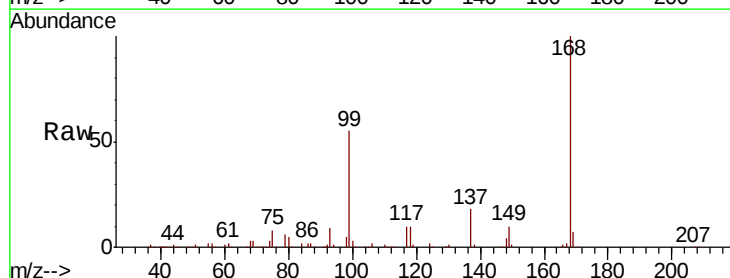
Tgt Ion: 117 Resp: 21275

Ion Ratio Lower Upper

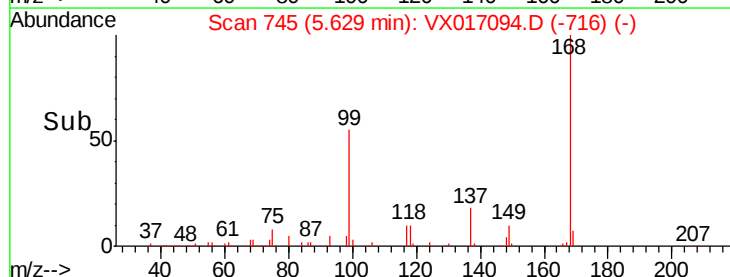
117 100

119 6.4 75.4 113.0#

121 0.0 23.8 35.6#



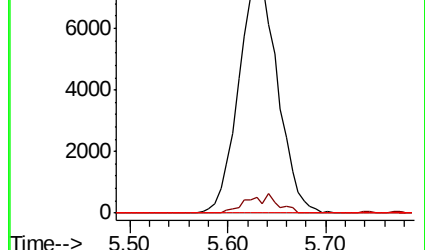
Abundance Ion 116.80 (116.50 to 117.50): VX017094.D (-716) (-)

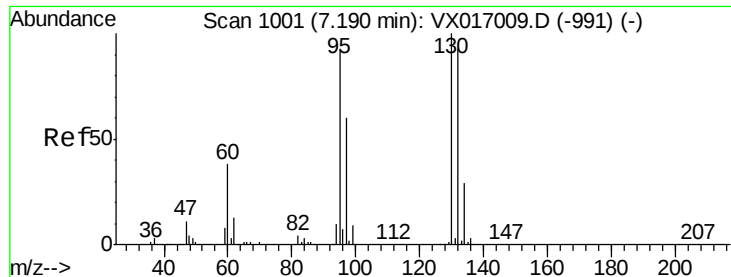


Ion 118.80 (118.50 to 119.50): VX017094.D (-716) (-)

Ion 120.80 (120.50 to 121.50): VX017094.D (-716) (-)

Time-->





#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

Instrument :

MSVOA_X

ClientSampled :

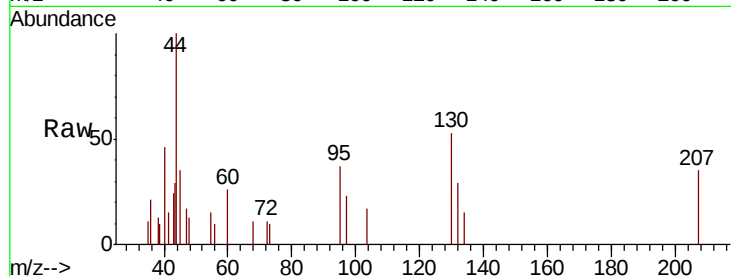
1308

Tot Ion:130 Resp: 310

Ion Ratio Lower Upper

130 100

95 69.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

250

200

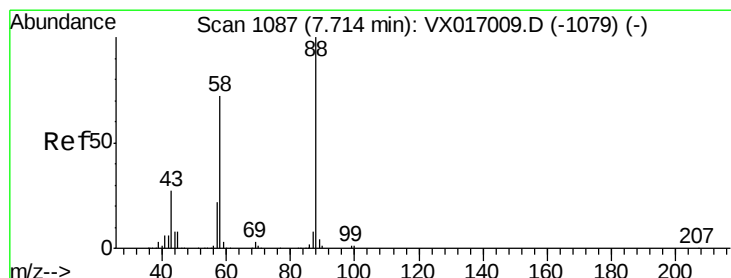
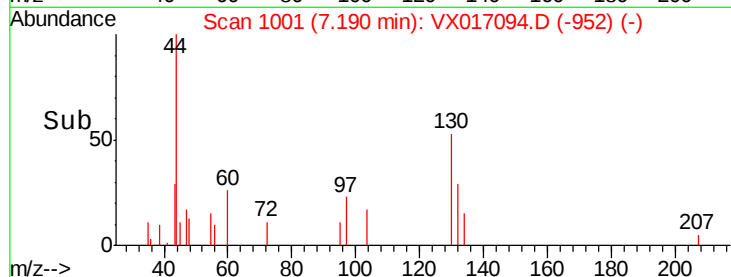
150

100

50

0

Time-->



#49

1,4-Dioxane

Concen: 0.344 ug/l

RT: 7.67 min Scan# 1079

Delta R.T. -0.05 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

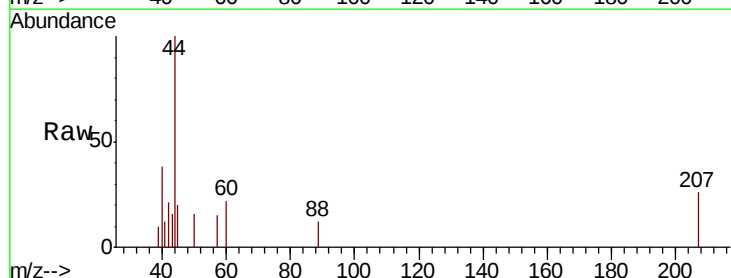
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 795.5 25.8 38.8#

58 0.0 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

250

200

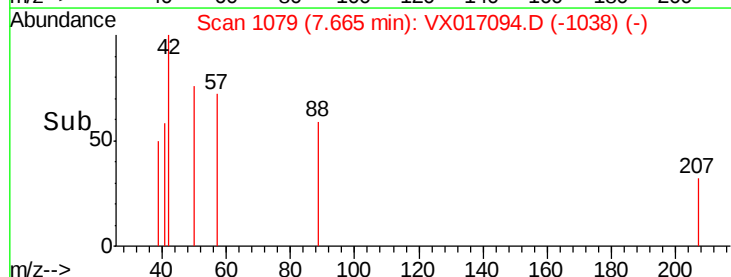
150

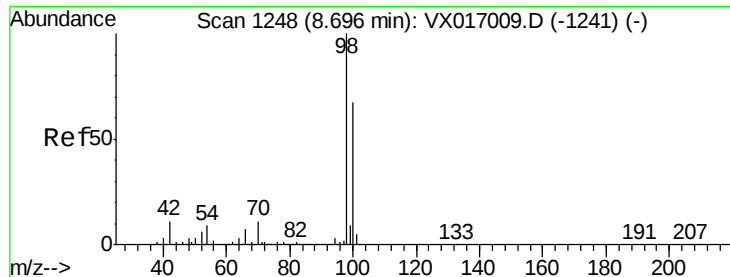
100

50

0

Time-->





#50

Toluene-d8

Concen: 52.675 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

Instrument :

MSVOA_X

ClientSampleId :

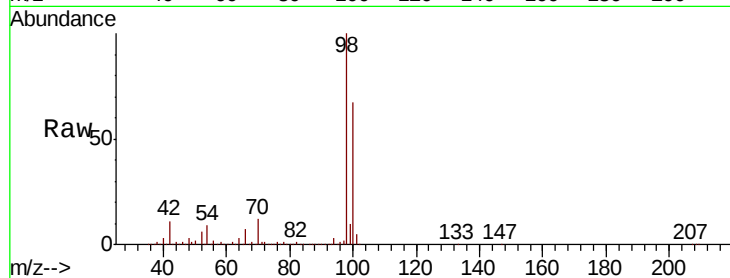
1308

Tot Ion: 98 Resp: 458797

Ion Ratio Lower Upper

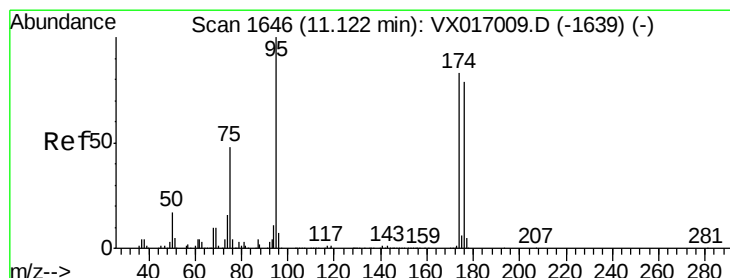
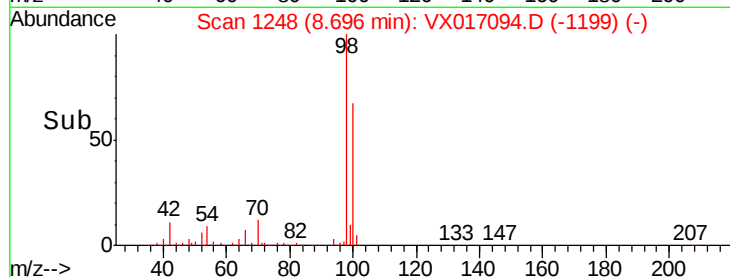
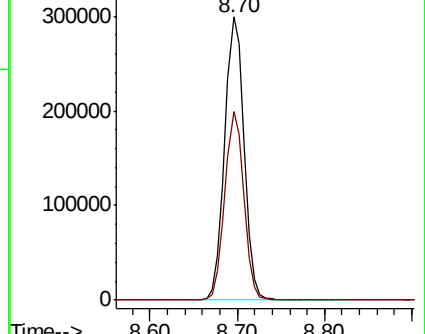
98 100

100 65.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 55.482 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017094.D

Acq: 01 Jul 2020 13:44

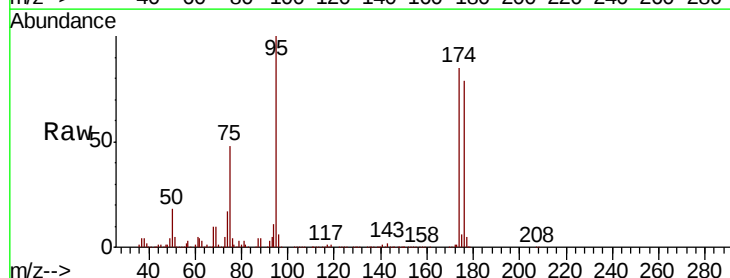
Tgt Ion: 95 Resp: 188905

Ion Ratio Lower Upper

95 100

174 84.6 0.0 164.0

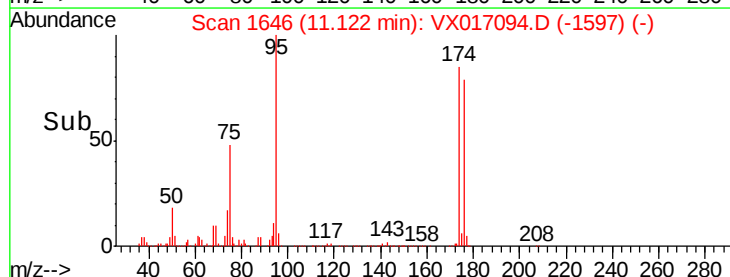
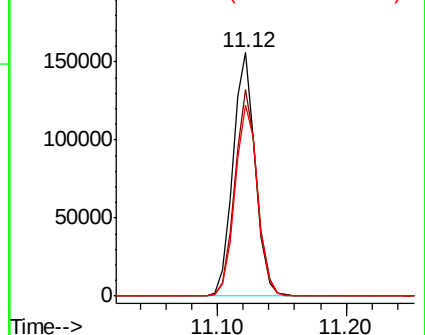
176 79.6 0.0 157.6

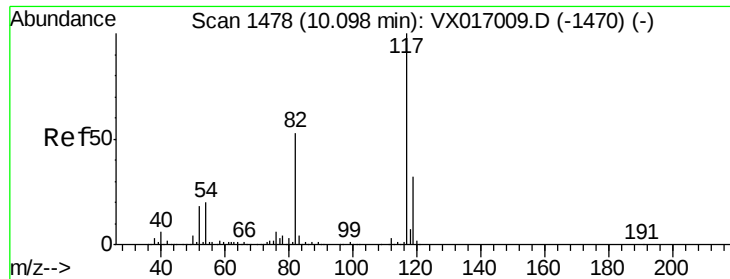


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

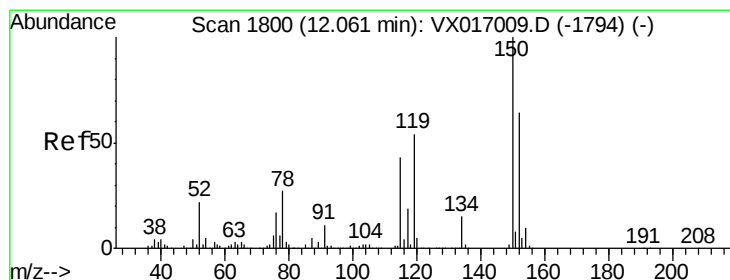
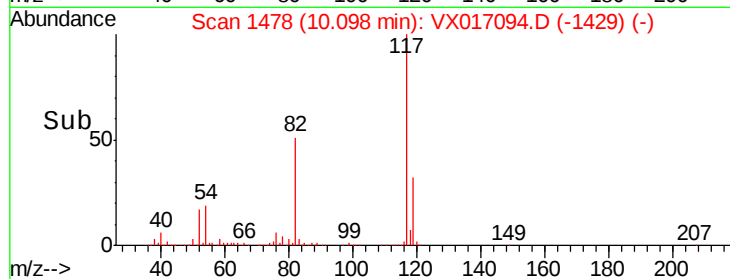
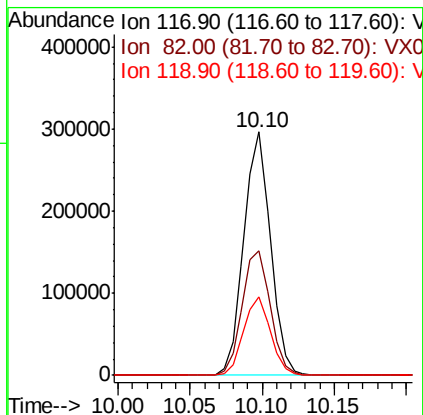
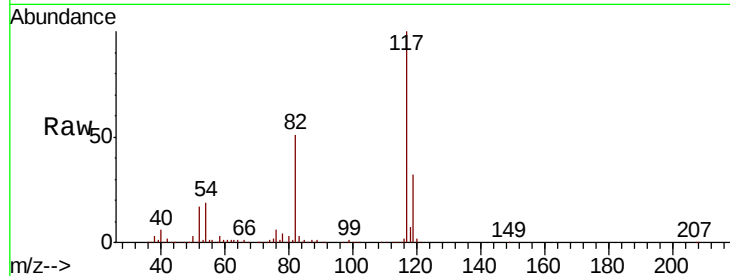




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017094.D
Acq: 01 Jul 2020 13:44

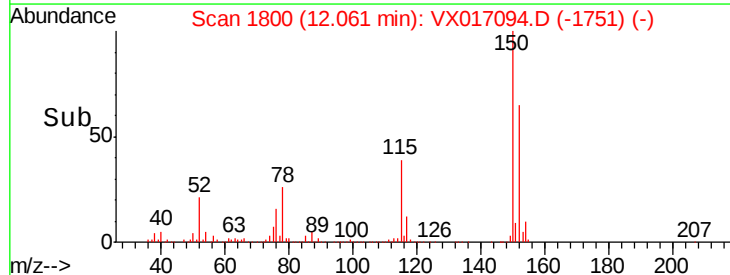
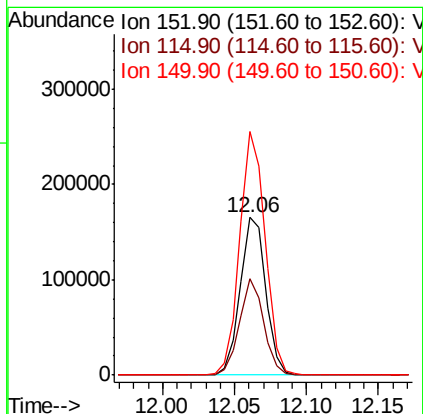
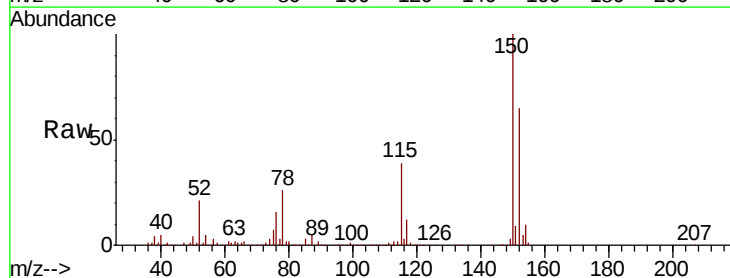
Instrument :
MSVOA_X
ClientSampleId :
1308

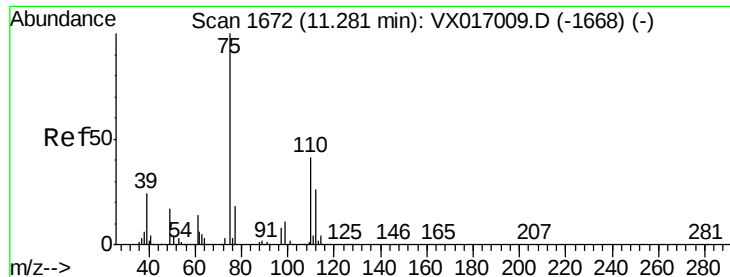
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.6	63.8
119	32.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017094.D
Acq: 01 Jul 2020 13:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	40.9	122.7
150	154.0	0.0	351.6

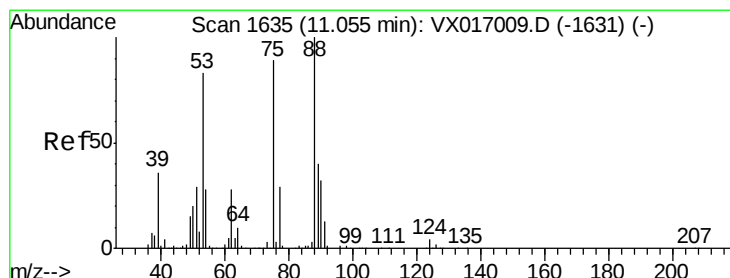
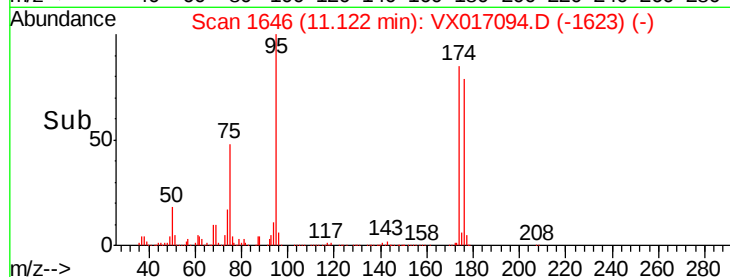
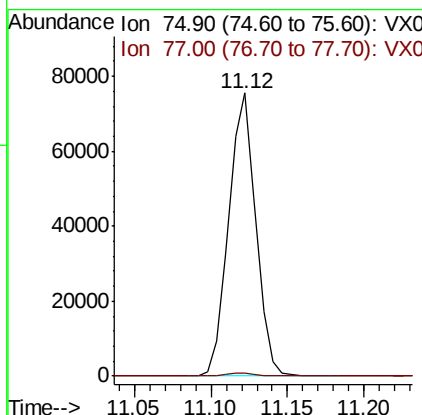
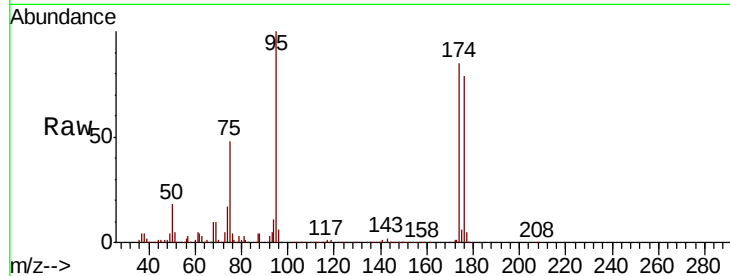




#76
 1,2,3-Trichloropropane
 Concen: 23.171 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017094.D
 Acq: 01 Jul 2020 13:44

Instrument :
 MSVOA_X
 ClientSampled :
 1308

Tot Ion: 75 Resp: 92790
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.004 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017094.D
 Acq: 01 Jul 2020 13:44

Tgt Ion: 75 Resp: 92790
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.0 37.0 55.4#

