

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071620\
 Data File : VX017394.D
 Acq On : 16 Jul 2020 16:28
 Operator : JC/SP
 Sample : L3325-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200715091-01

Quant Time: Jul 17 01:00:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	266028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	454245	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	498093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	286417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	173937	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	5.47	113	149971	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	8.70	98	573666	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.12	95	253340	57.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.56%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.39	62	1232	0.491	ug/l	96
5) Bromomethane	1.63	94	418	0.256	ug/l #	9
6) Chloroethane	1.72	64	412	0.260	ug/l #	75
8) Diethyl Ether	2.17	74	11080	7.408	ug/l	91
10) Methyl Iodide	2.49	142	290	2.460	ug/l #	58
11) Tert butyl alcohol	3.01	59	3558238	6325.312	ug/l	100
13) Acrolein	2.26	56	202	0.655	ug/l #	1
14) Allyl chloride	2.68	41	32628	7.778	ug/l #	40
15) Acrylonitrile	3.01	53	28975	21.248	ug/l #	21
16) Acetone	2.42	43	489889	411.268	ug/l	98
17) Carbon Disulfide	2.55	76	3228	0.457	ug/l #	94
18) Methyl Acetate	2.75	43	14472	4.919	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	28359	3.450	ug/l	96
20) Methylene Chloride	2.83	84	1659	0.571	ug/l	92
24) 1,1-Dichloroethane	3.67	63	1299	0.277	ug/l #	85
25) 2-Butanone	4.64	43	1628225	860.617	ug/l	100
26) 2,2-Dichloropropane	4.66	77	189226	43.296	ug/l #	54
27) cis-1,2-Dichloroethene	4.56	96	2354	0.775	ug/l #	18
29) Tetrahydrofuran	5.09	42	921706	752.610	ug/l	95
31) Cyclohexane	5.64	56	5088	1.323	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	22002	5.266	ug/l #	49
37) Ethyl Acetate	4.64	43	1628225	376.820	ug/l #	68
38) Carbon Tetrachloride	5.63	117	26241	5.364	ug/l #	18
40) Benzene	6.12	78	48675	4.054	ug/l	95
41) Methacrylonitrile	5.09	41	567206	244.517	ug/l #	43
42) 1,2-Dichloroethane	6.16	62	3802	0.815	ug/l	94
43) Isopropyl Acetate	6.41	43	6357	0.921	ug/l #	81
45) 1,2-Dichloropropane	7.50	63	861	0.280	ug/l	90
48) Methyl methacrylate	7.74	41	837	0.253	ug/l #	54
49) 1,4-Dioxane	7.71	88	7725	113.931	ug/l #	79
51) 4-Methyl-2-Pentanone	8.59	43	11901	2.827	ug/l #	35
52) Toluene	8.76	92	33432	4.339	ug/l	98
59) 2-Hexanone	9.62	43	6574	2.069	ug/l	77
65) Chlorobenzene	10.12	112	11039	1.091	ug/l #	87

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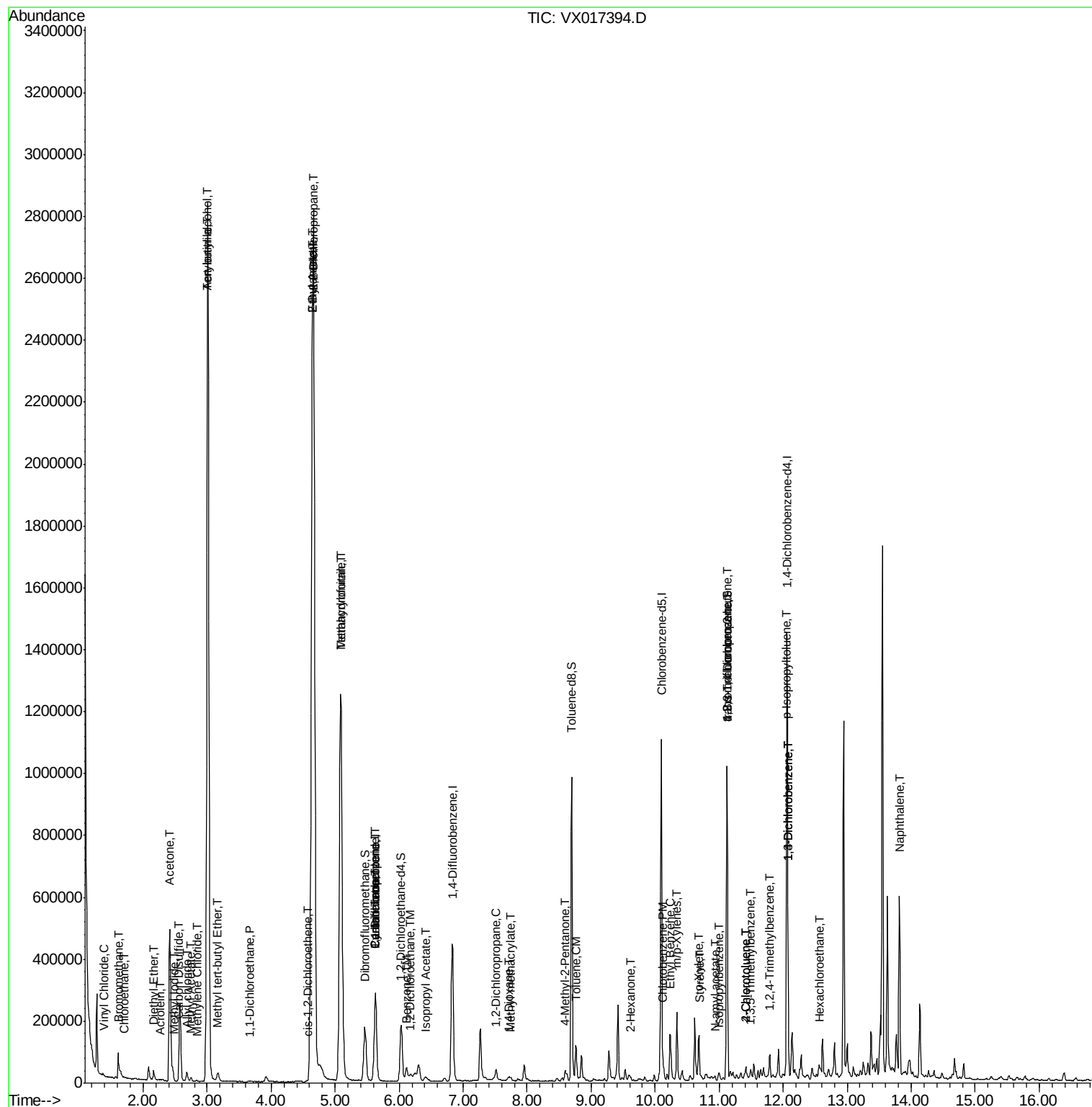
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Ethyl Benzene	10.23	91	86474	5.132	ug/l	98
68) m/p-Xylenes	10.34	106	48718	7.599	ug/l	96
69) o-Xylene	10.68	106	28659	4.678	ug/l	100
70) Styrene	10.70	104	6639	0.631	ug/l #	41
73) Isopropylbenzene	11.01	105	9224	0.514	ug/l	98
74) N-amyl acetate	10.93	43	5953	0.829	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	124810	23.582	ug/l #	37
79) 2-Chlorotoluene	11.41	91	4307	0.347	ug/l	79
80) 1,3,5-Trimethylbenzene	11.49	105	8636	0.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.12	75	124810	59.823	ug/l #	11
82) 4-Chlorotoluene	11.41	91	4438	0.301	ug/l	84
84) 1,2,4-Trimethylbenzene	11.79	105	31353	2.036	ug/l	95
86) p-Isopropyltoluene	12.05	119	27293	1.672	ug/l	92
87) 1,3-Dichlorobenzene	12.08	146	25963	2.838	ug/l	88
88) 1,4-Dichlorobenzene	12.08	146	25963	2.809	ug/l	88
90) Hexachloroethane	12.57	117	695	0.224	ug/l #	8
95) Naphthalene	13.82	128	336501	19.178	ug/l	99

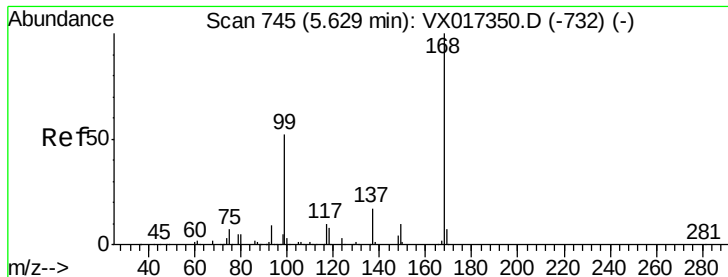
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

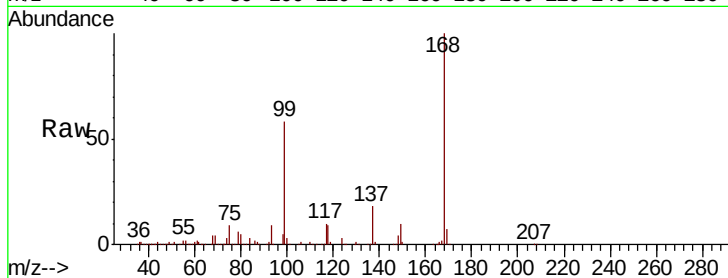
200715091-01

Tot Ion:168 Resp: 266028

Ion Ratio Lower Upper

168 100

99 58.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

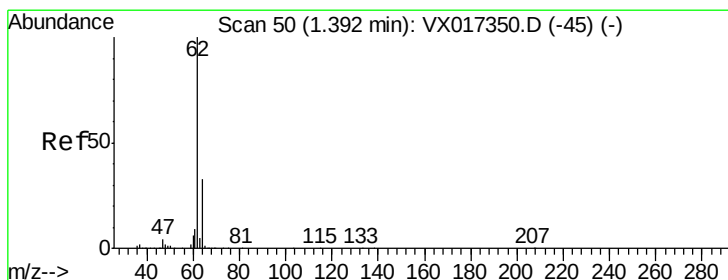
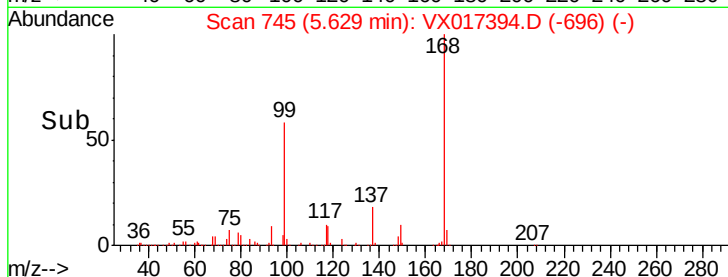
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.491 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017394.D

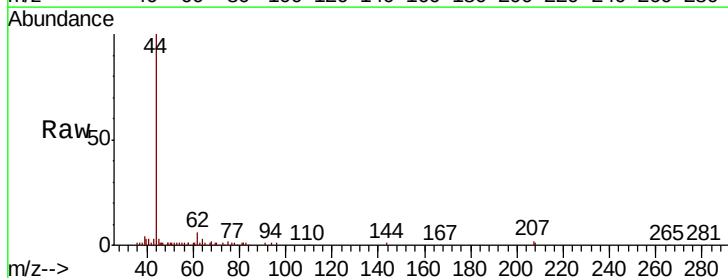
Acq: 16 Jul 2020 16:28

Tgt Ion: 62 Resp: 1232

Ion Ratio Lower Upper

62 100

64 35.0 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

1000

800

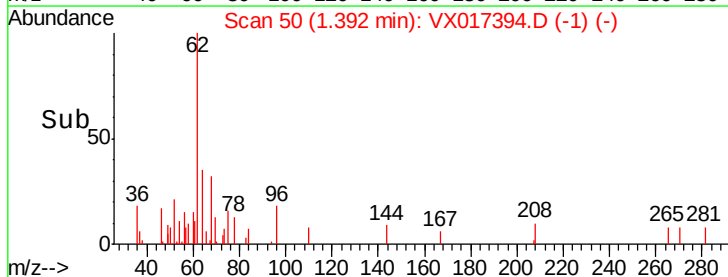
600

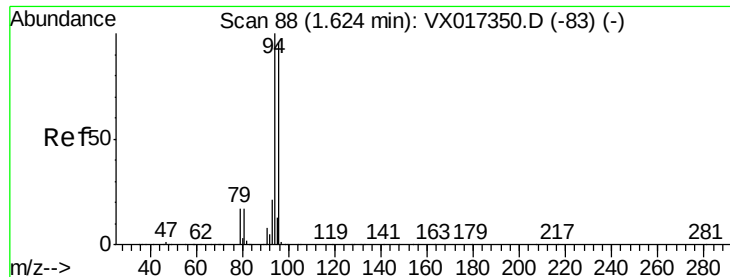
400

200

0

Time-->





#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

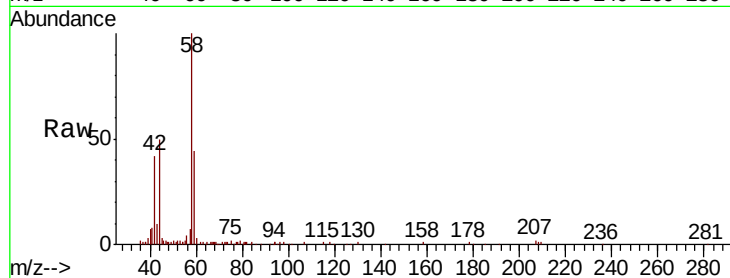
200715091-01

Tot Ion: 94 Resp: 418

Ion Ratio Lower Upper

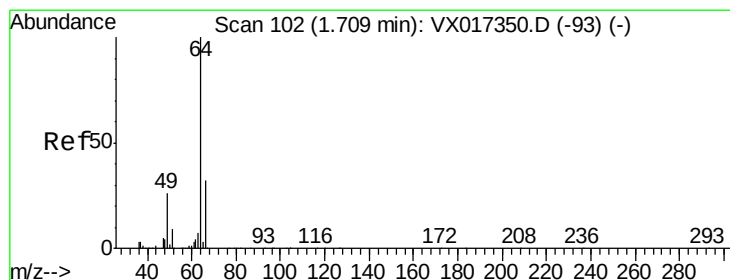
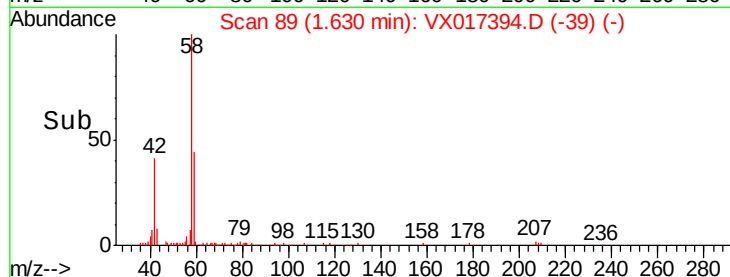
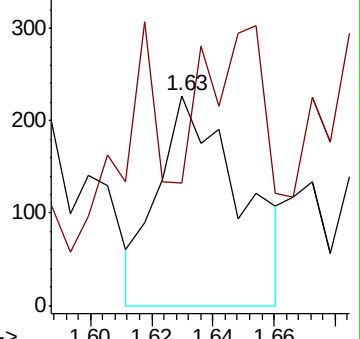
94 100

96 6.6 76.6 115.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.260 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017394.D

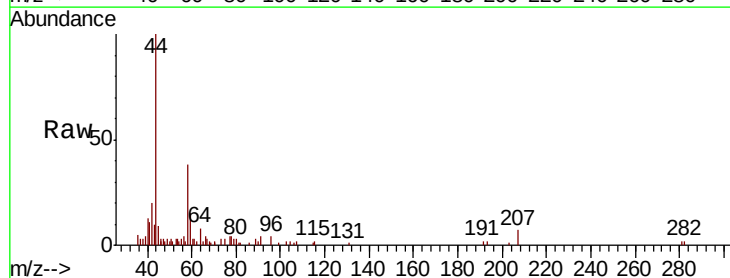
Acq: 16 Jul 2020 16:28

Tgt Ion: 64 Resp: 412

Ion Ratio Lower Upper

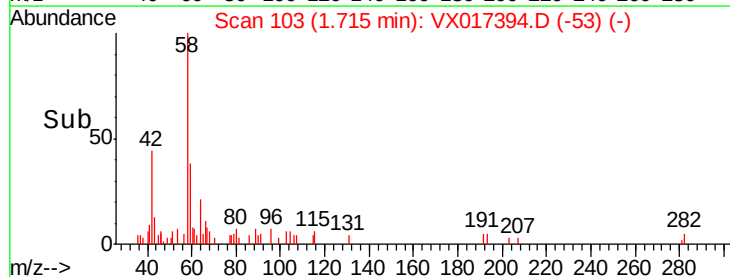
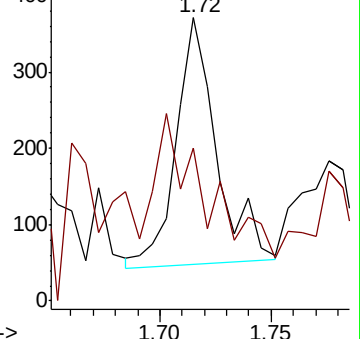
64 100

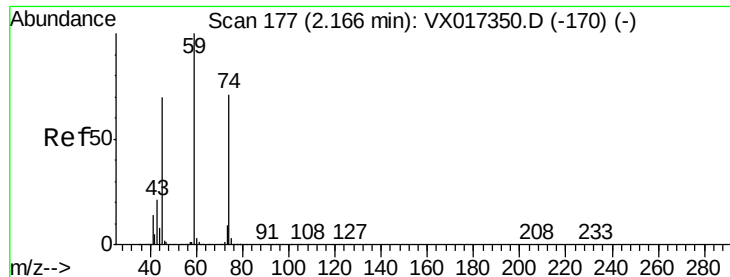
66 46.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 7.408 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

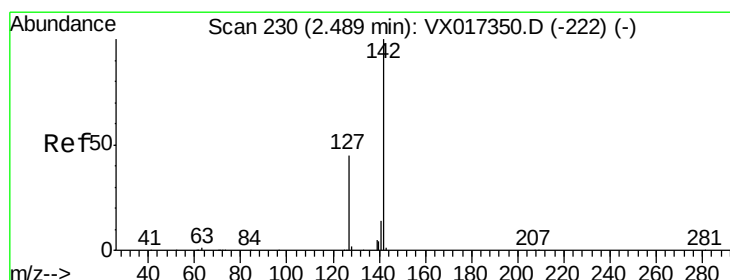
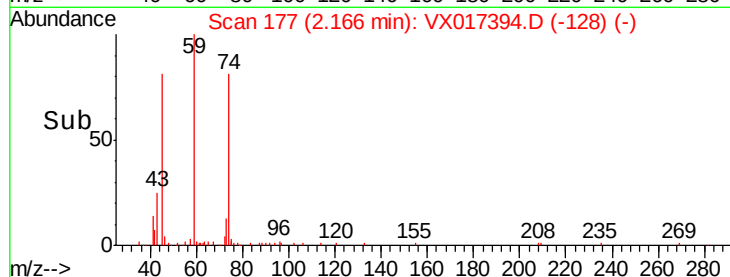
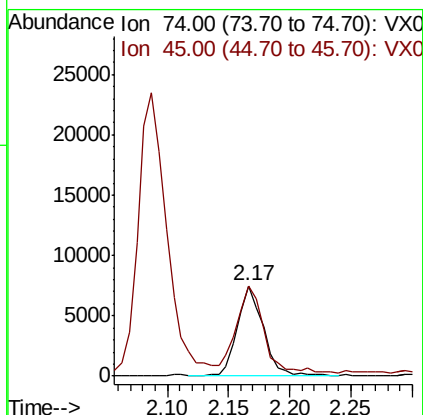
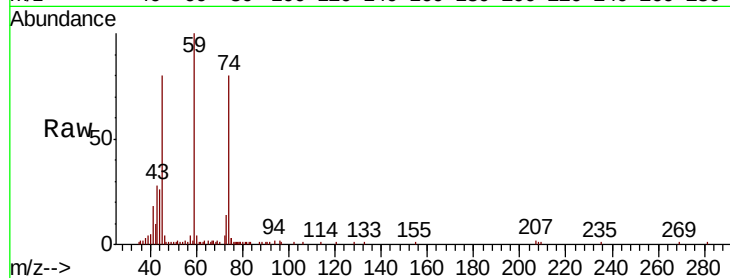
200715091-01

Tot Ion: 74 Resp: 11080

Ion Ratio Lower Upper

74 100

45 102.7 47.2 141.6



#10

Methyl Iodide

Concen: 2.460 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

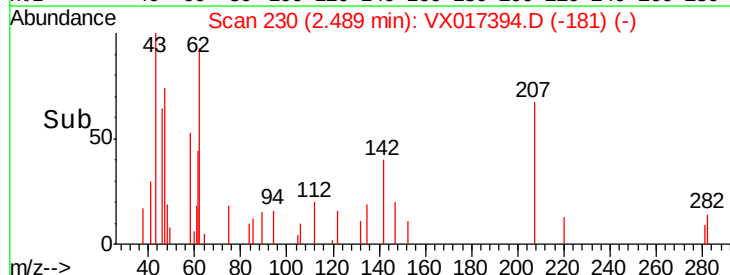
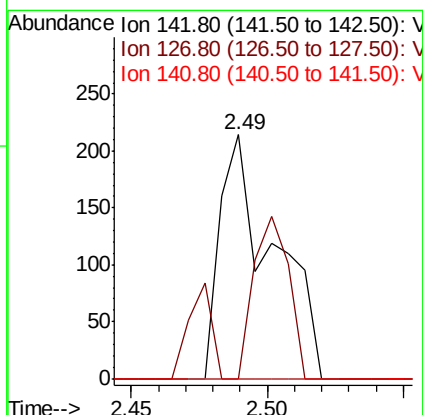
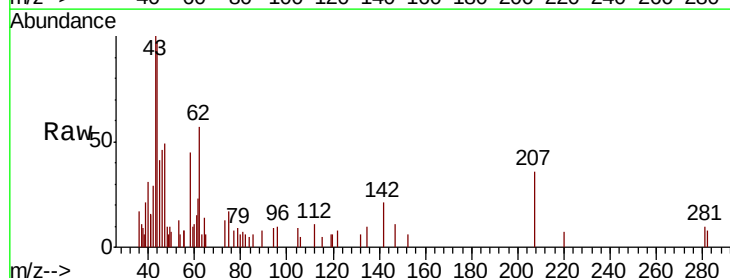
Tgt Ion:142 Resp: 290

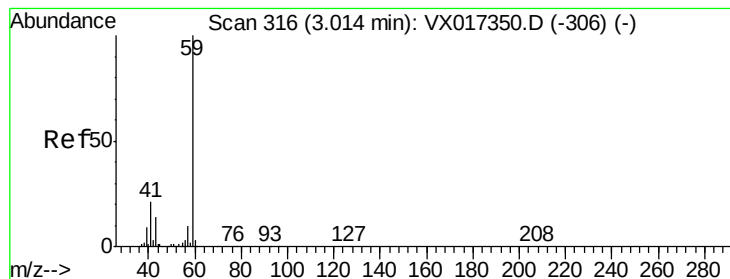
Ion Ratio Lower Upper

142 100

127 16.9 36.8 55.2#

141 0.0 11.4 17.0#



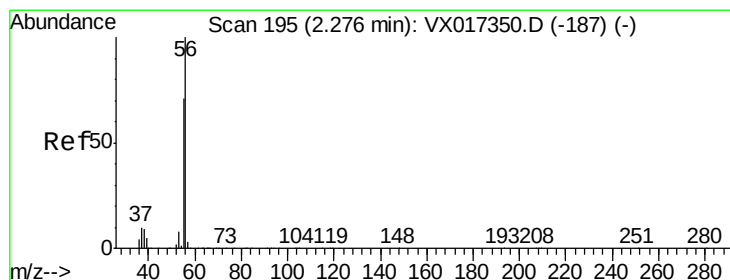
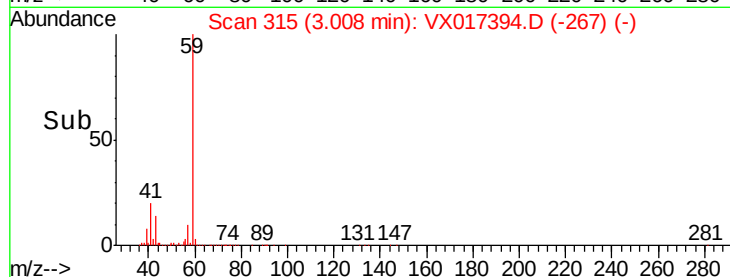
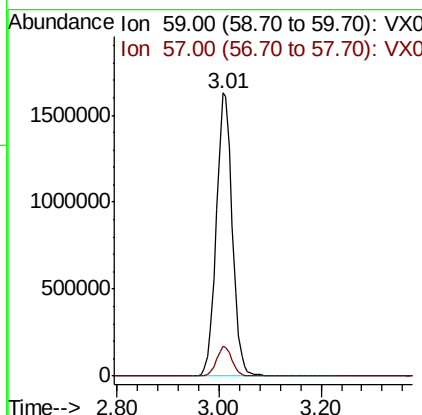
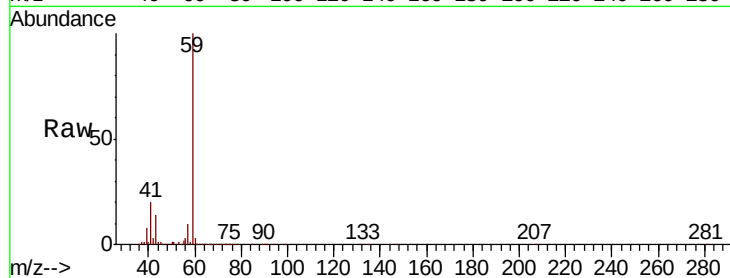


#11

Tert butyl alcohol
 Concen: 6325.312 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX017394.D
 Acq: 16 Jul 2020 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 200715091-01

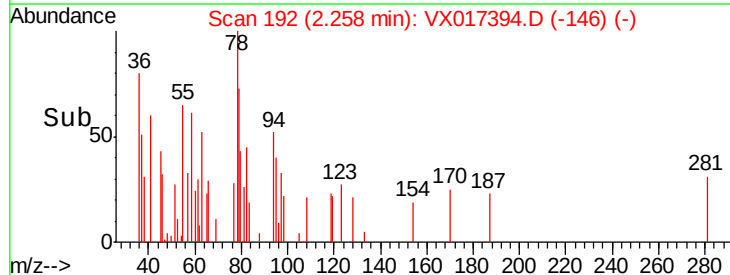
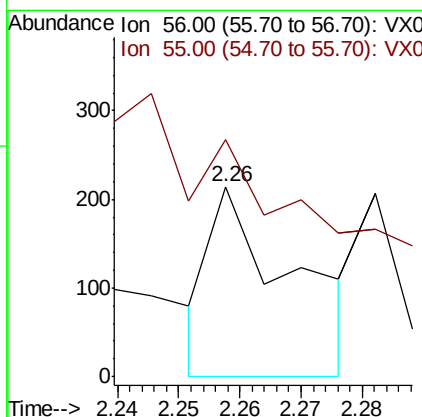
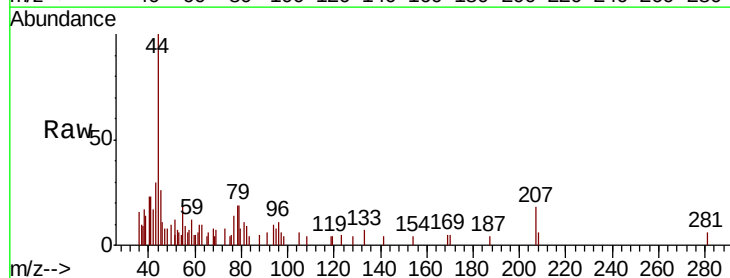
Tot Ion: 59 Resp: 3558238
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.3 12.5

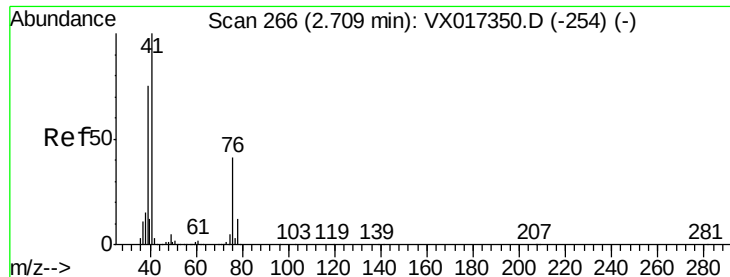


#13

Acrolein
 Concen: 0.655 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.02 min
 Lab File: VX017394.D
 Acq: 16 Jul 2020 16:28

Tgt Ion: 56 Resp: 202
 Ion Ratio Lower Upper
 56 100
 55 287.6 57.1 85.7#

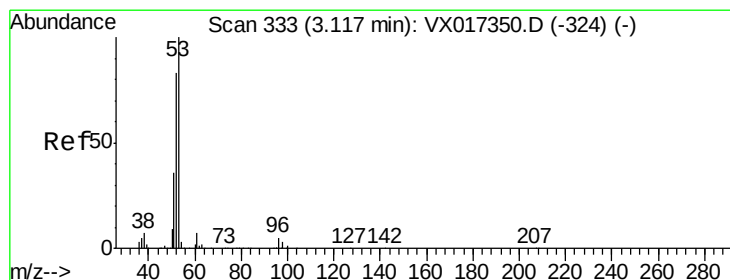
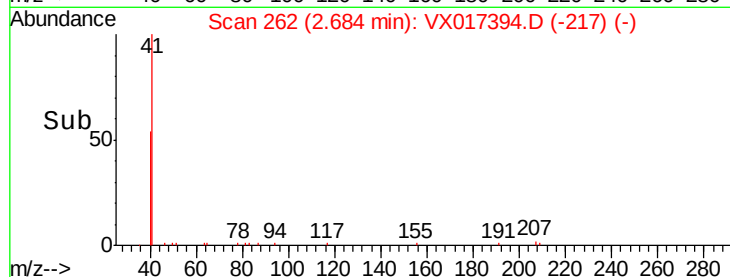
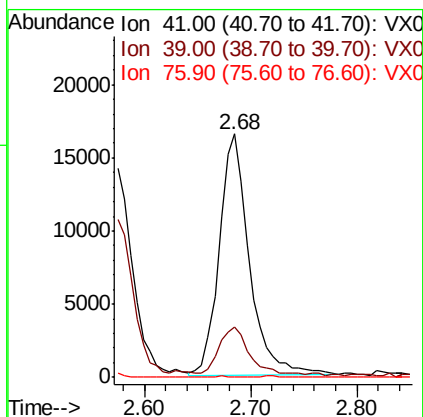
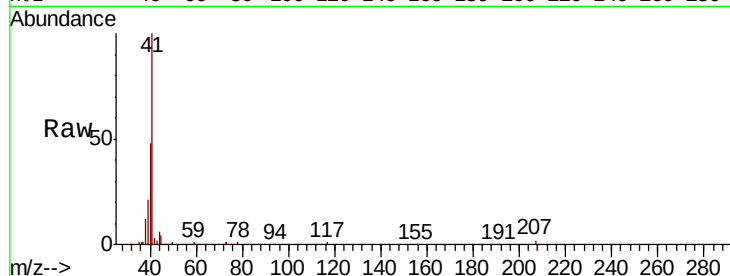




#14
 Allvl chloride
 Concen: 7.778 ug/l
 RT: 2.68 min Scan# 262
 Delta R.T. -0.02 min
 Lab File: VX017394.D
 Acq: 16 Jul 2020 16:28

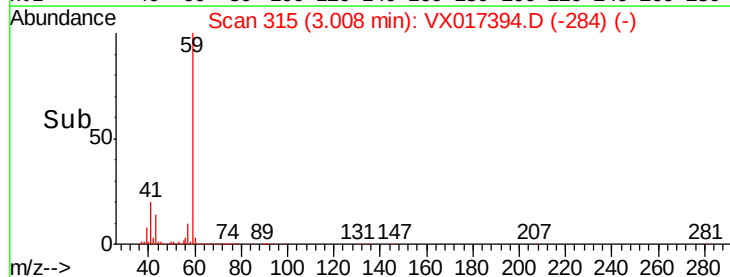
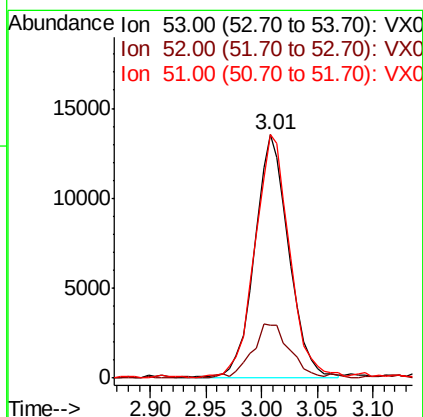
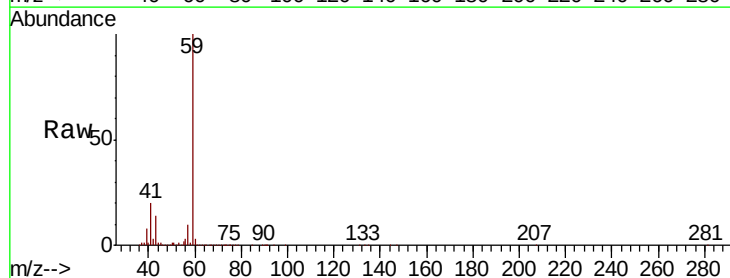
Instrument :
 MSVOA_X
 ClientSampleId :
 200715091-01

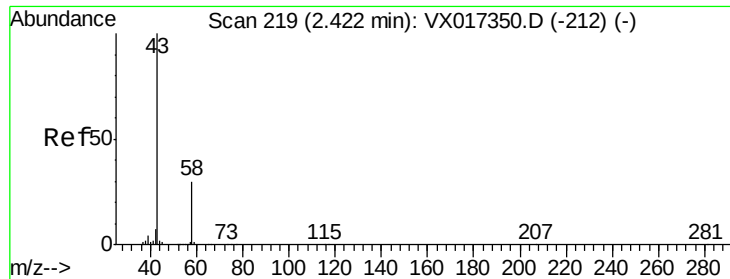
Tot Ion: 41 Resp: 32628
 Ion Ratio Lower Upper
 41 100
 39 19.2 53.0 79.4#
 76 0.0 28.2 42.2#



#15
 Acrylonitrile
 Concen: 21.248 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.11 min
 Lab File: VX017394.D
 Acq: 16 Jul 2020 16:28

Tgt Ion: 53 Resp: 28975
 Ion Ratio Lower Upper
 53 100
 52 24.5 65.8 98.6#
 51 102.0 29.2 43.8#





#16

Acetone

Concen: 411.268 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

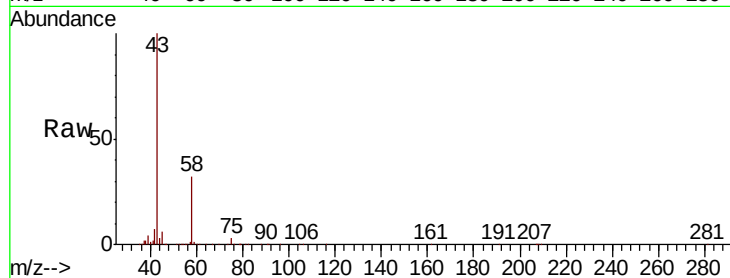
200715091-01

Tot Ion: 43 Resp: 489889

Ion Ratio Lower Upper

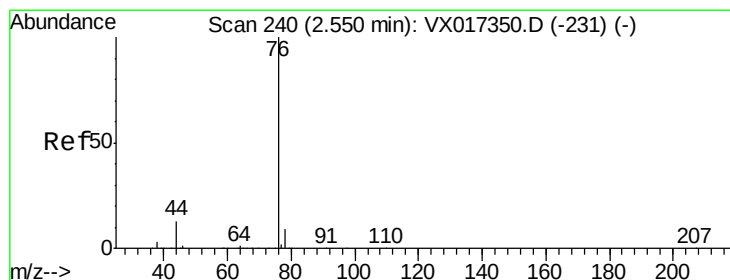
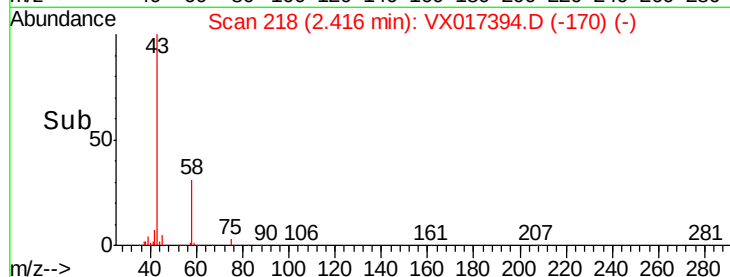
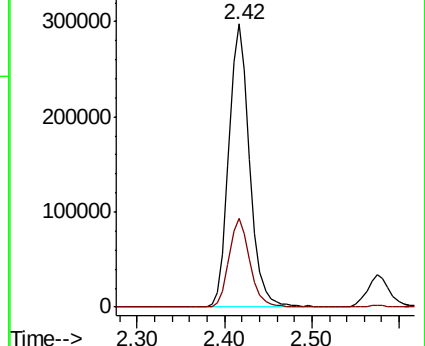
43 100

58 31.5 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.457 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017394.D

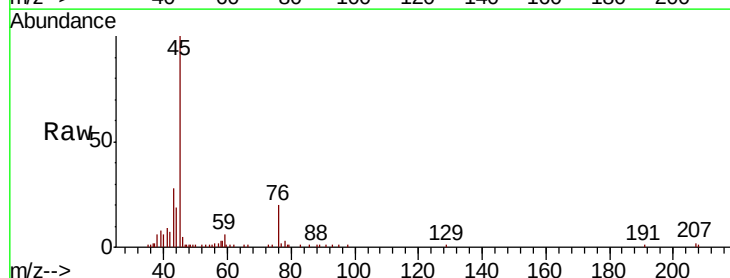
Acq: 16 Jul 2020 16:28

Tgt Ion: 76 Resp: 3228

Ion Ratio Lower Upper

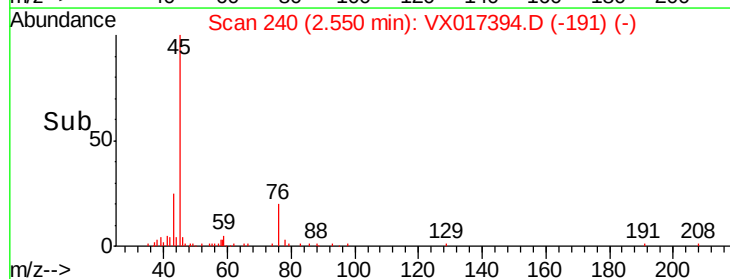
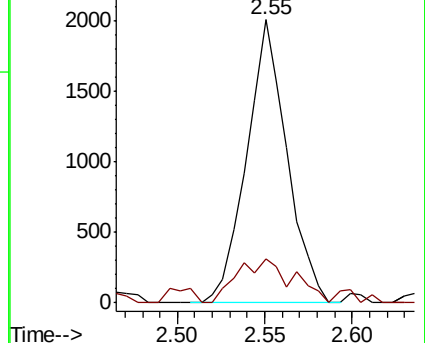
76 100

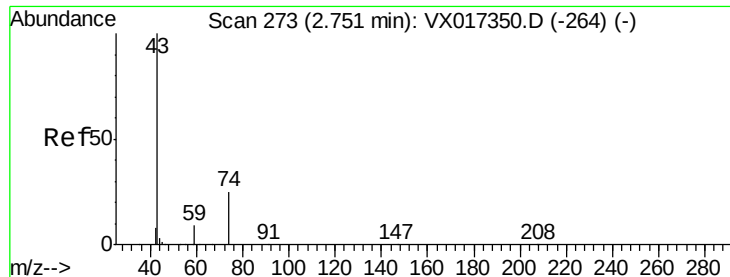
78 11.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

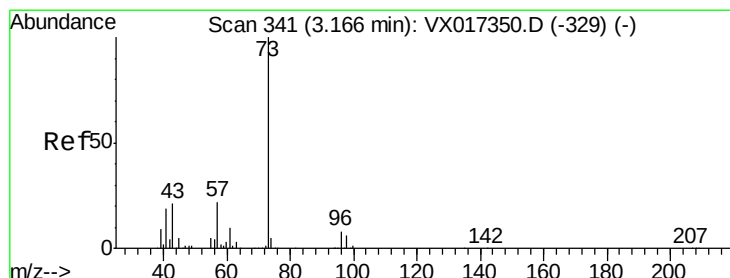
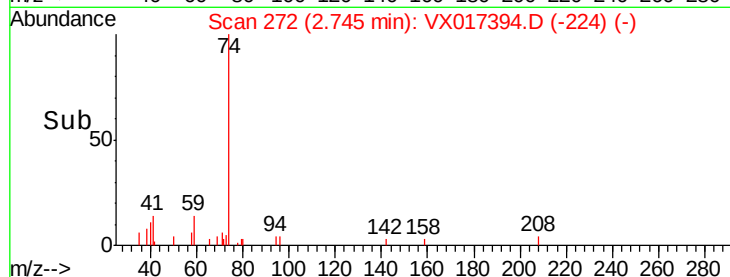
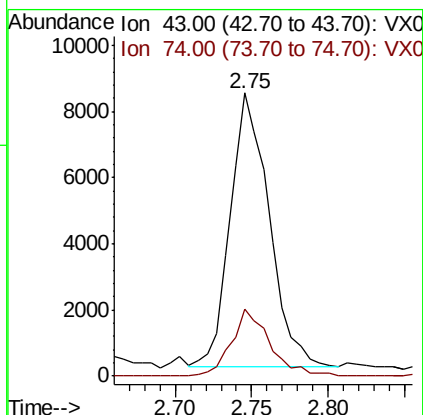
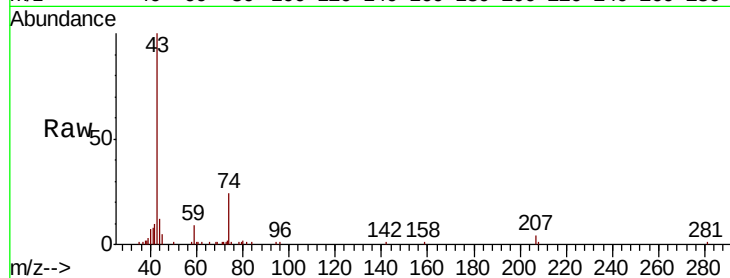




#18
Methyl Acetate
Concen: 4.919 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

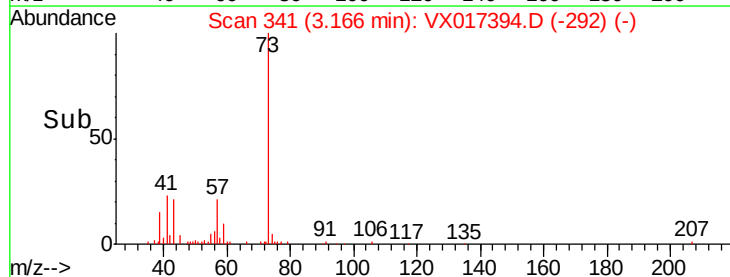
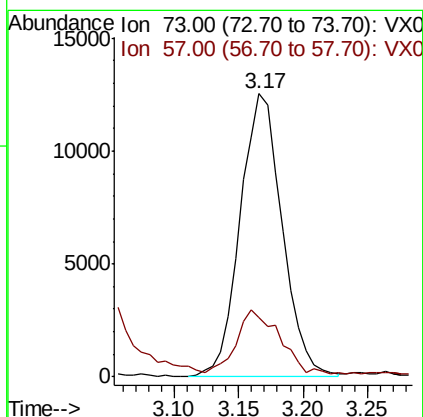
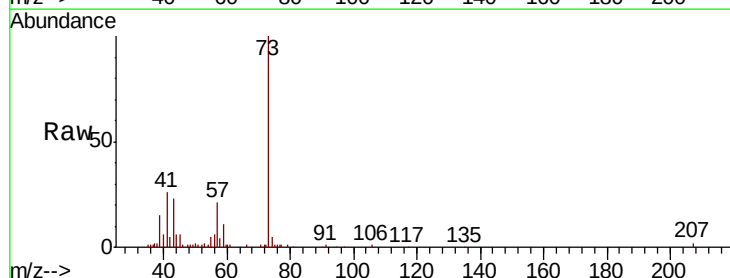
Instrument :
MSVOA_X
ClientSampleId :
200715091-01

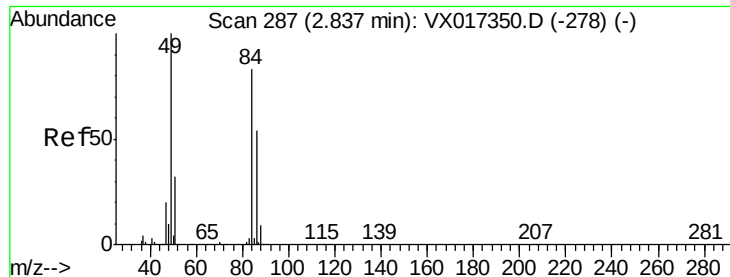
Tot Ion: 43 Resp: 14472
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2



#19
Methyl tert-butyl Ether
Concen: 3.450 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

Tgt Ion: 73 Resp: 28359
Ion Ratio Lower Upper
73 100
57 19.9 17.5 26.3

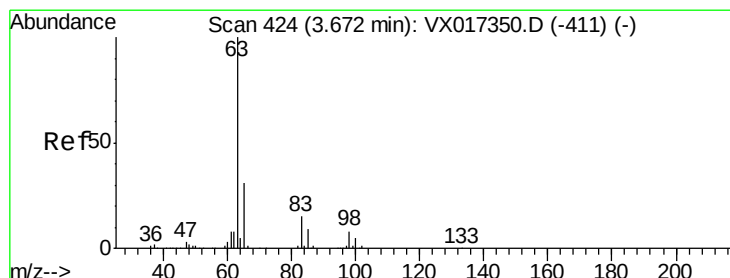
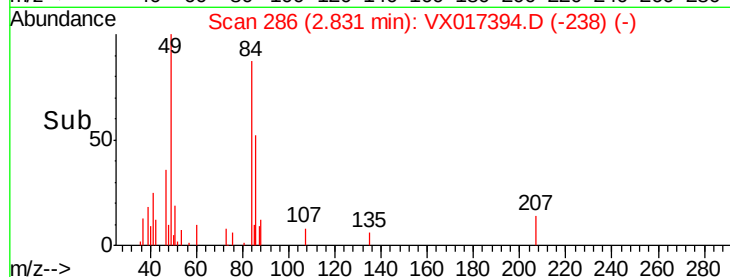
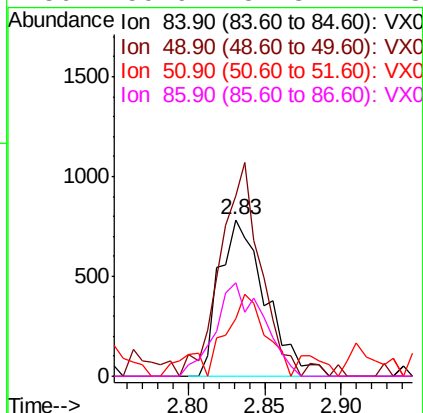
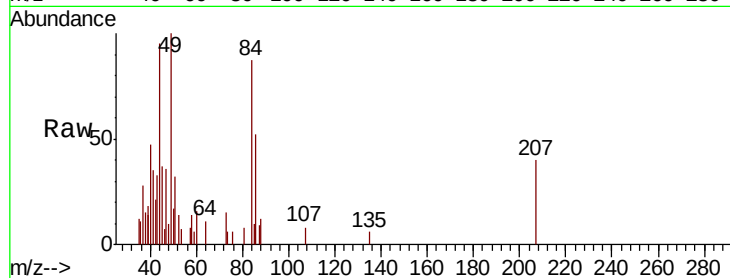




#20
Methylene Chloride
Concen: 0.571 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

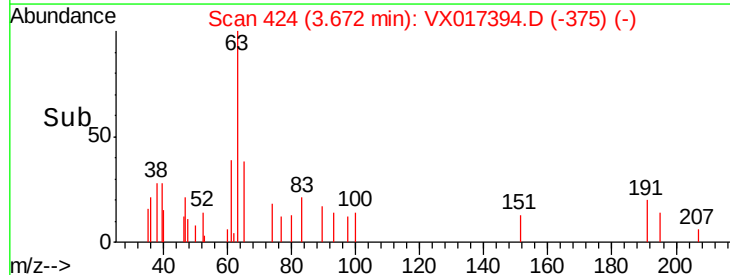
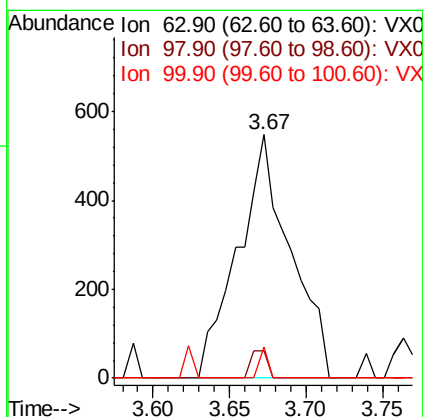
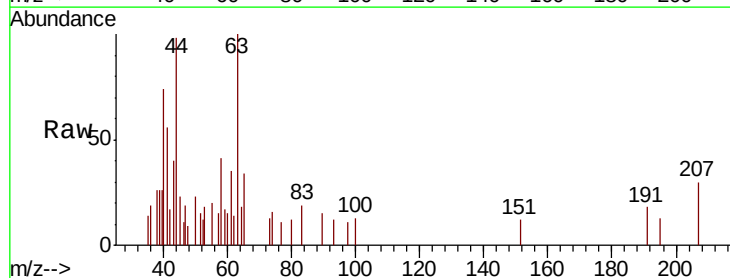
Instrument :
MSVOA_X
ClientSampleId :
200715091-01

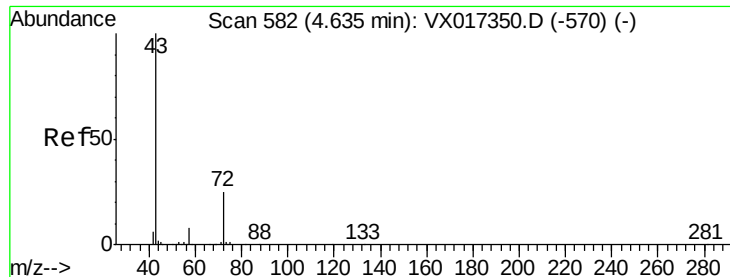
Tot Ion:	84	Resp:	1659
Ion	Ratio	Lower	Upper
84	100		
49	107.9	95.8	143.8
51	36.9	31.0	46.4
86	59.9	51.8	77.8



#24
1,1-Dichloroethane
Concen: 0.277 ug/l
RT: 3.67 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

Tgt Ion:	63	Resp:	1299
Ion	Ratio	Lower	Upper
63	100		
98	11.1	3.9	11.5
100	13.0	2.5	7.5#





#25

2-Butanone

Concen: 860.617 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

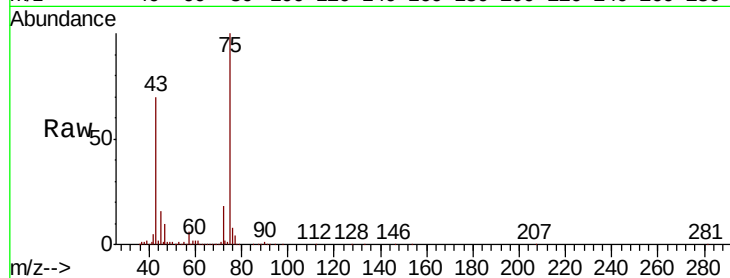
200715091-01

Tot Ion: 43 Resp: 1628225

Ion Ratio Lower Upper

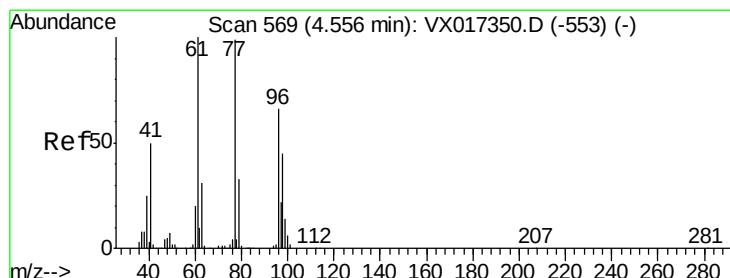
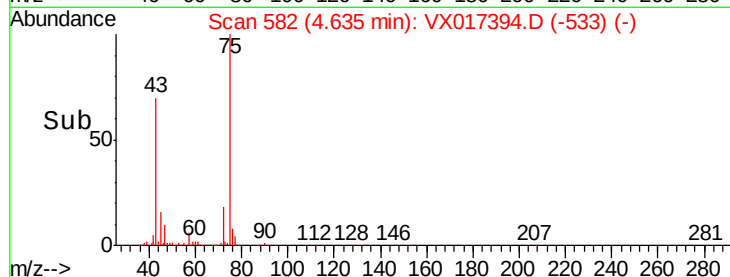
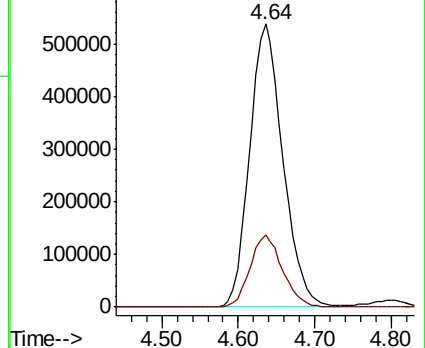
43 100

72 25.4 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 43.296 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.10 min

Lab File: VX017394.D

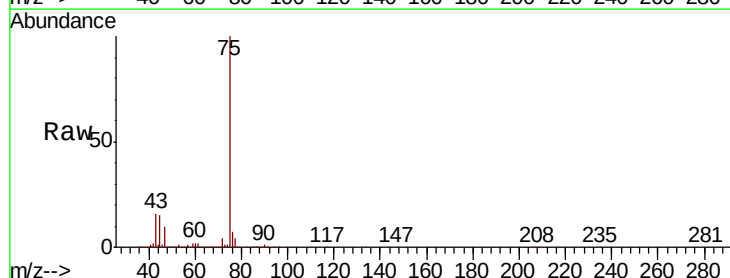
Acq: 16 Jul 2020 16:28

Tgt Ion: 77 Resp: 189226

Ion Ratio Lower Upper

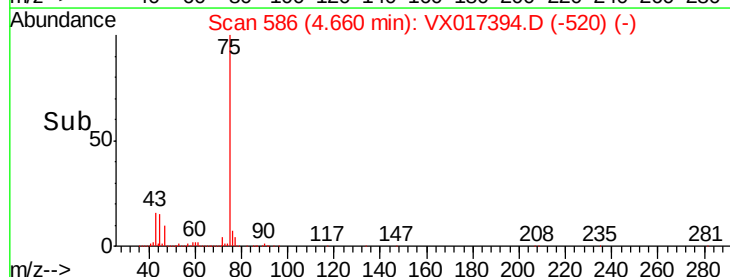
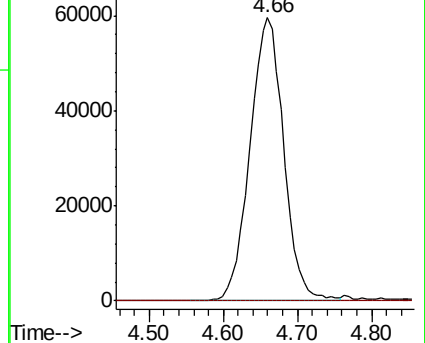
77 100

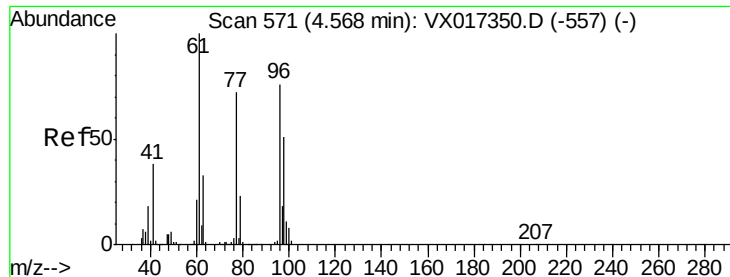
97 0.0 11.1 33.3#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



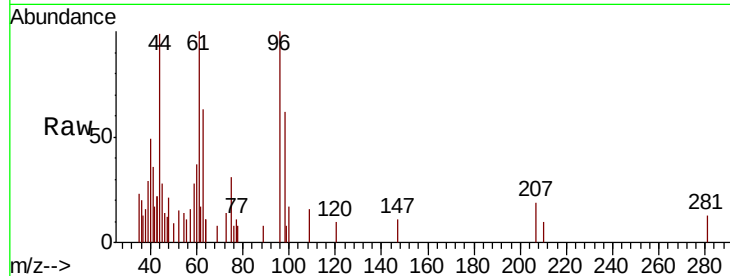


#27

cis-1,2-Dichloroethene
 Concen: 0.775 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX017394.D
 Acq: 16 Jul 2020 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 200715091-01

Tot Ion	96	Resp	2354
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	281.2
98	56.8	0.0	131.4

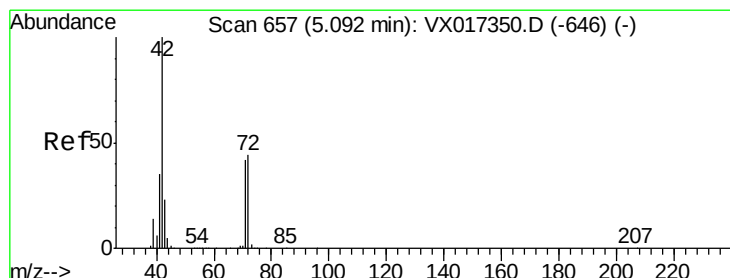
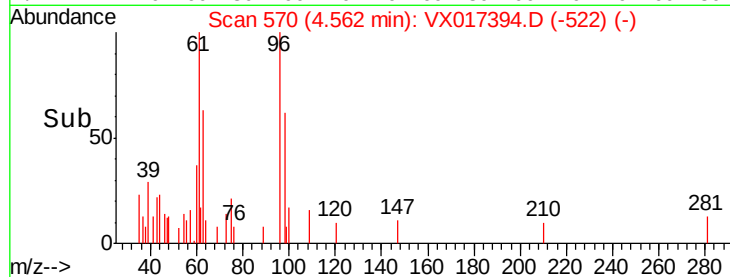
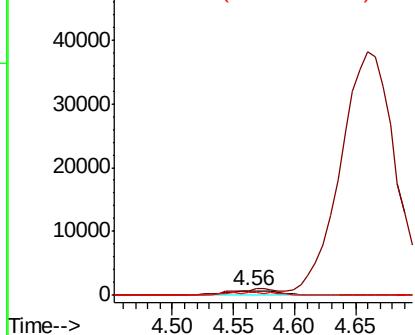


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

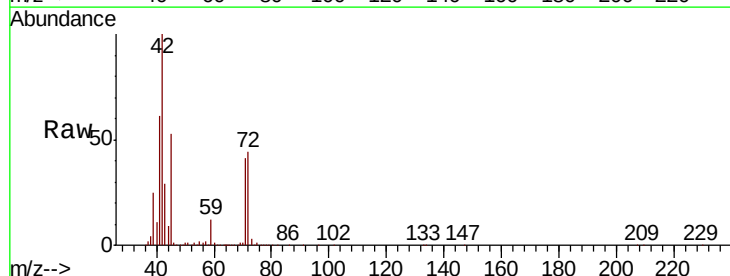
Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran
 Concen: 752.610 ug/l
 RT: 5.09 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VX017394.D
 Acq: 16 Jul 2020 16:28

Tgt Ion	42	Resp	921706
Ion	Ratio	Lower	Upper
42	100		
72	43.5	37.2	55.8
71	40.1	34.4	51.6

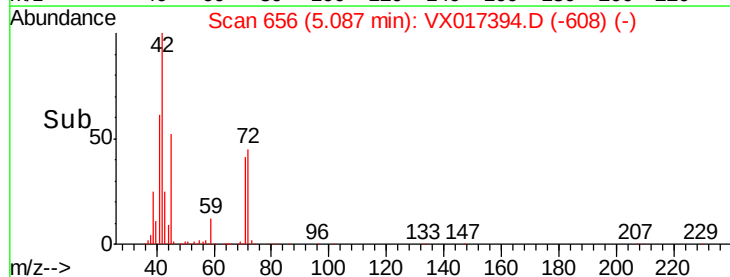
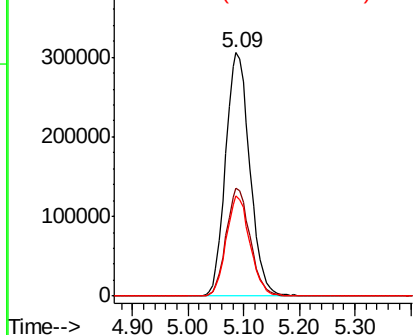


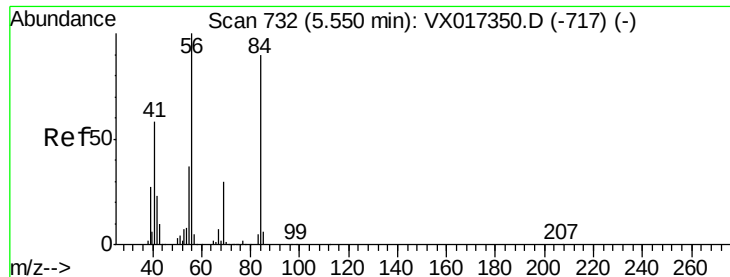
Abundance

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

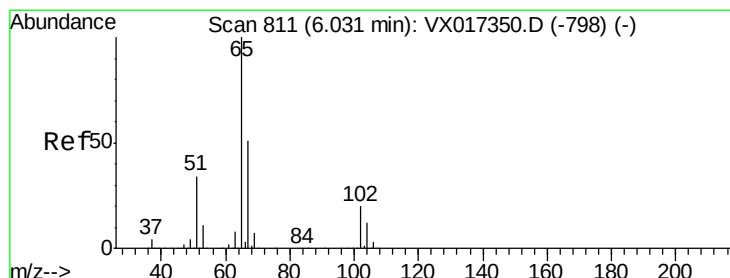
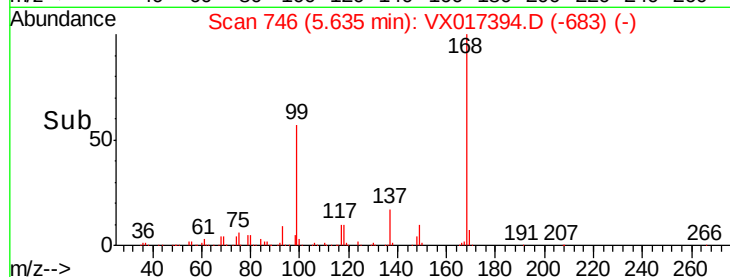
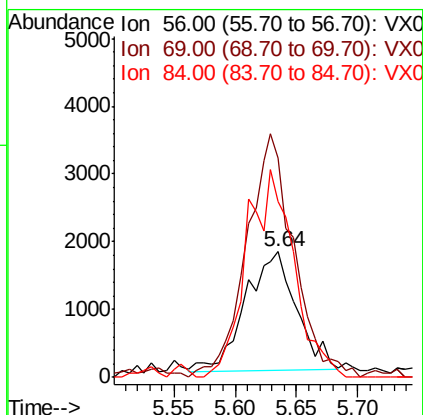
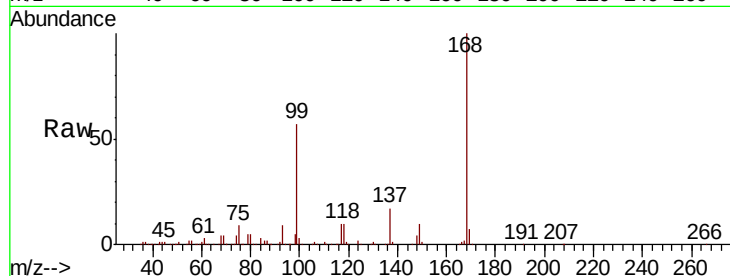




#31
Cyclohexane
Concen: 1.323 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

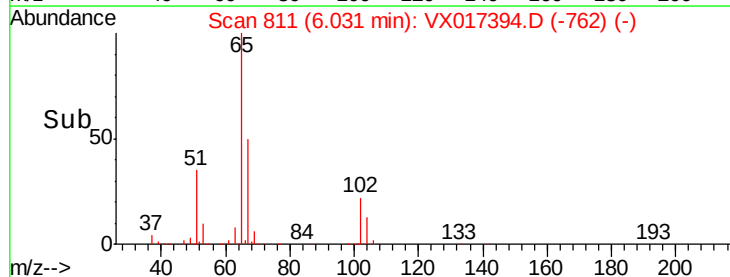
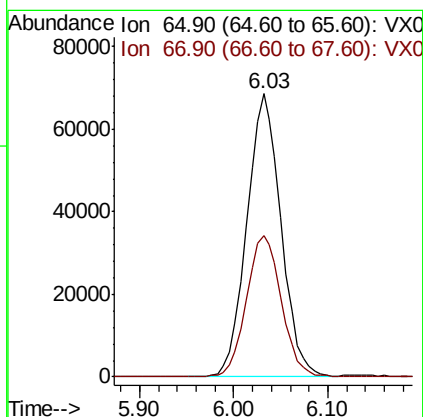
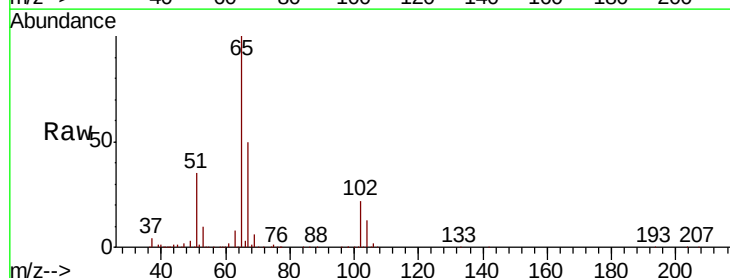
Instrument :
MSVOA_X
ClientSampleId :
200715091-01

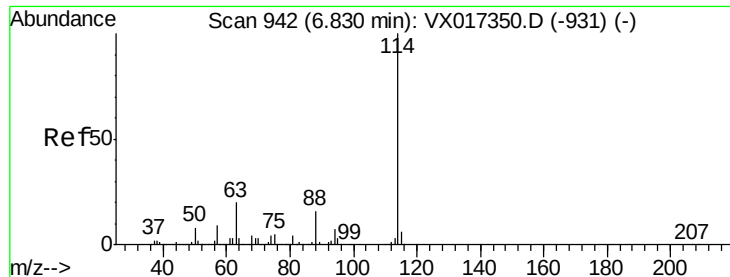
Tot Ion: 56 Resp: 5088
Ion Ratio Lower Upper
56 100
69 192.4 23.7 35.5#
84 149.2 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 52.094 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

Tgt Ion: 65 Resp: 173937
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

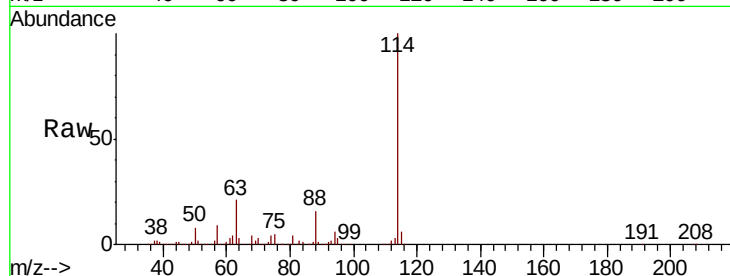
Tot Ion:114 Resp: 454245

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

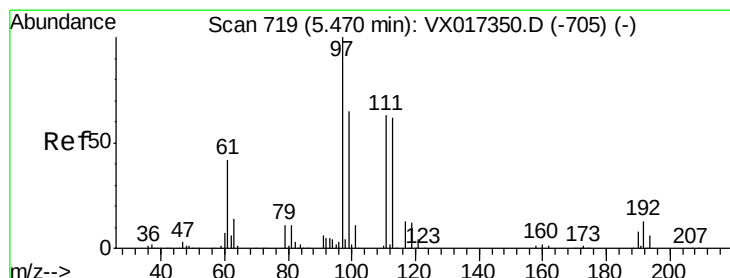
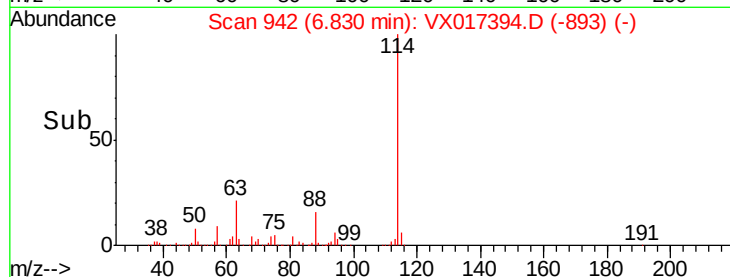
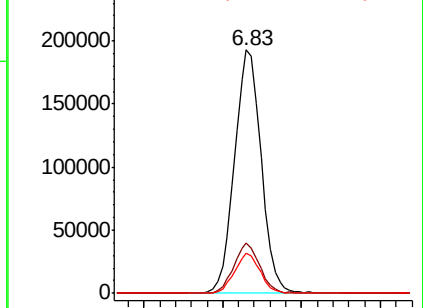
88 16.5 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 49.012 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

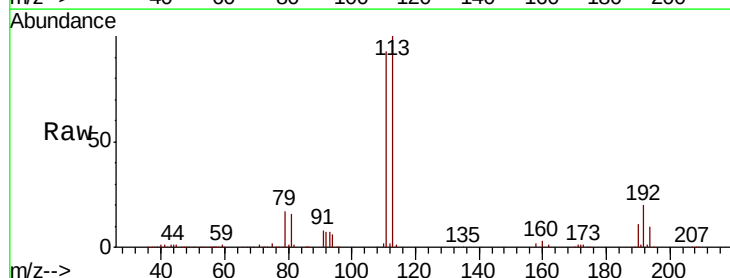
Tgt Ion:113 Resp: 149971

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

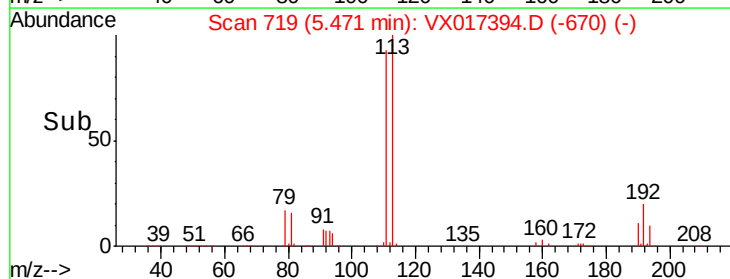
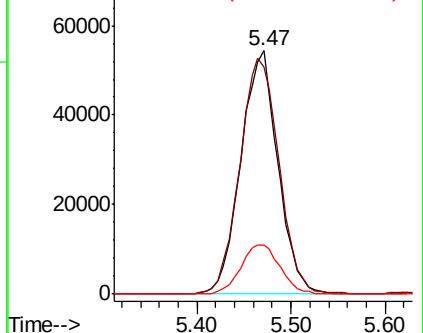
192 21.4 17.2 25.8

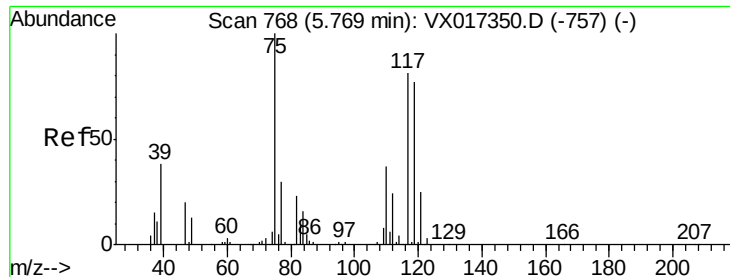


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.266 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

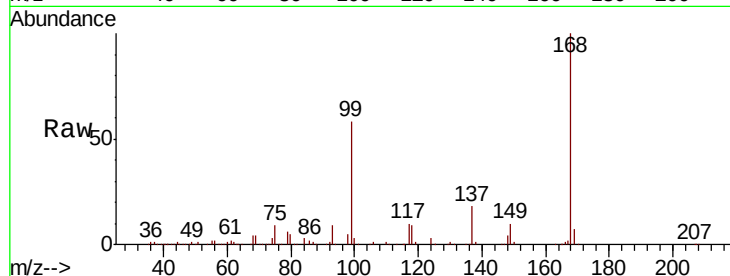
Tot Ion: 75 Resp: 22002

Ion Ratio Lower Upper

75 100

110 9.6 18.6 55.8#

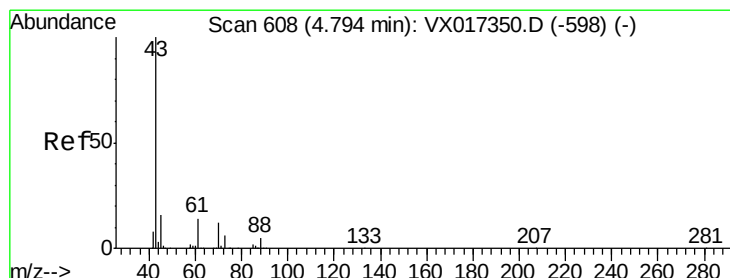
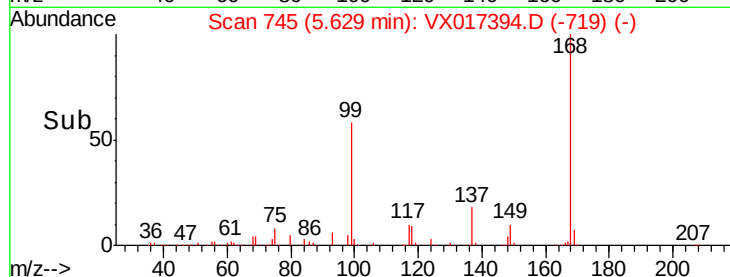
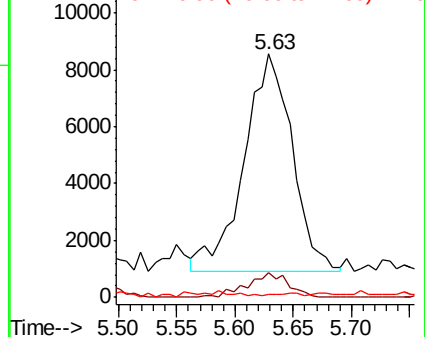
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 376.820 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.16 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

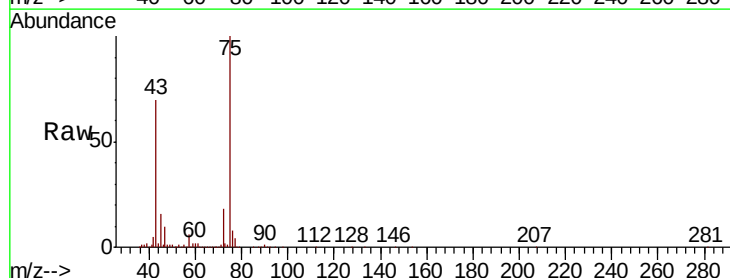
Tgt Ion: 43 Resp: 1628225

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

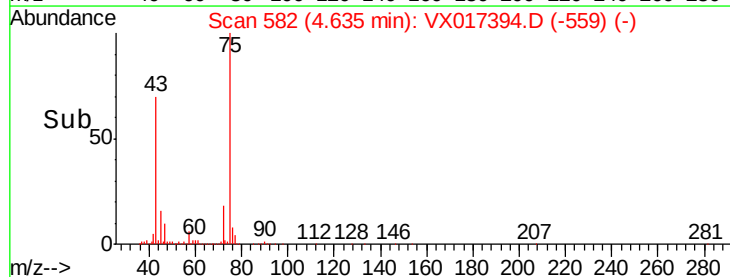
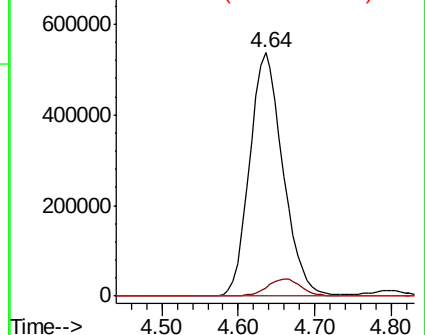
70 0.0 9.0 13.6#

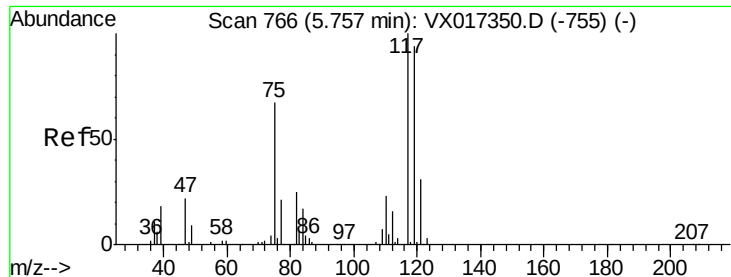


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.364 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

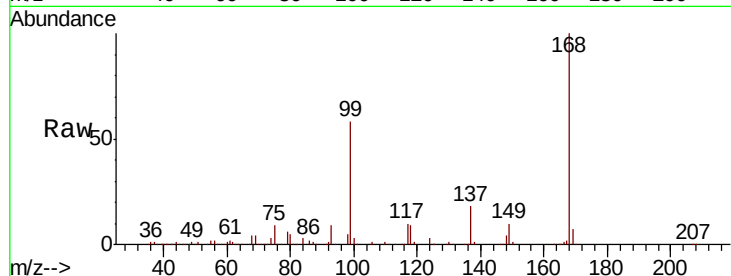
Tot Ion:117 Resp: 26241

Ion Ratio Lower Upper

117 100

119 6.2 74.7 112.1#

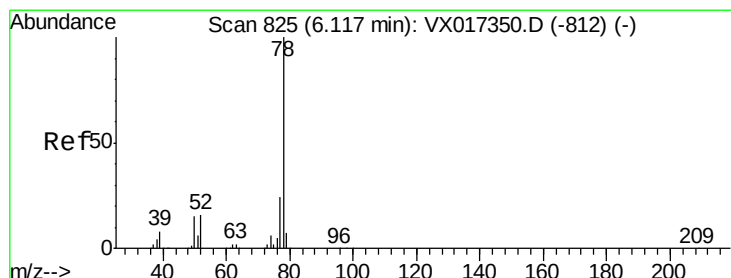
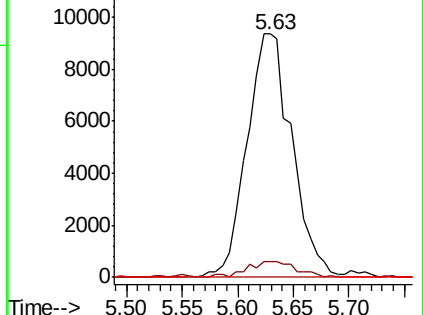
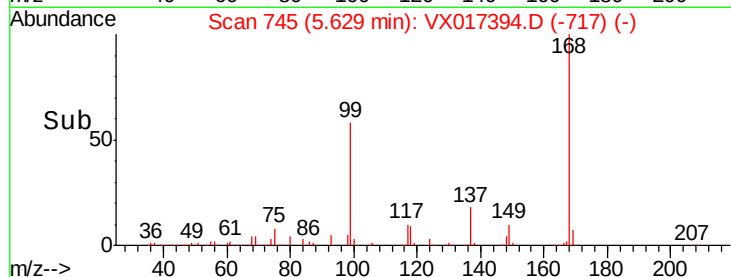
121 0.0 24.5 36.7#



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



#40

Benzene

Concen: 4.054 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX017394.D

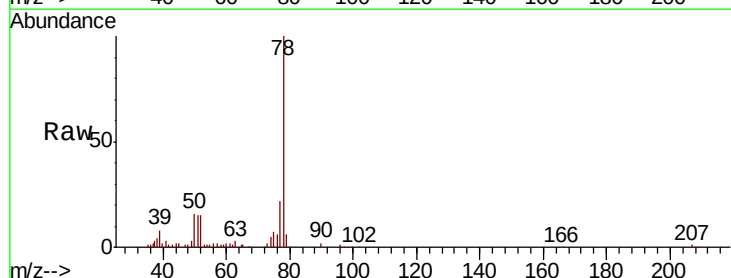
Acq: 16 Jul 2020 16:28

Tgt Ion: 78 Resp: 48675

Ion Ratio Lower Upper

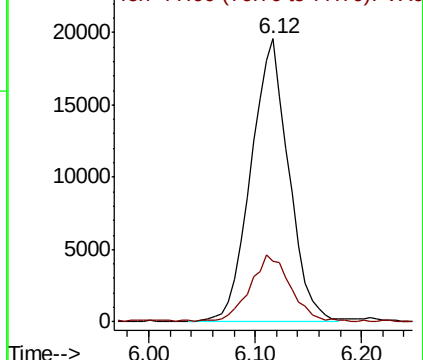
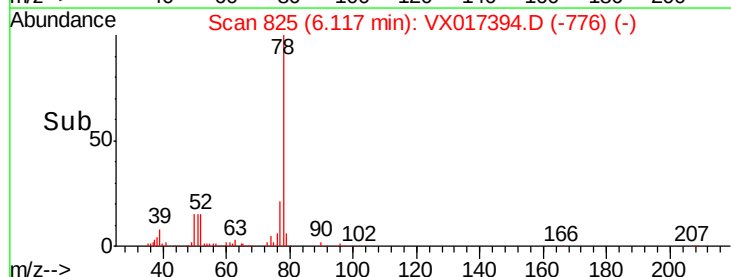
78 100

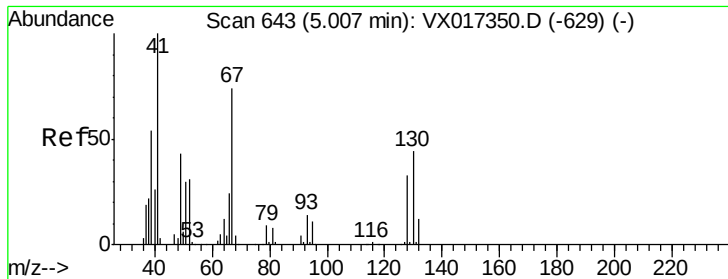
77 21.0 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 244.517 ug/l

RT: 5.09 min Scan# 656

Delta R.T. 0.08 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

Tot Ion: 41 Resp: 567206

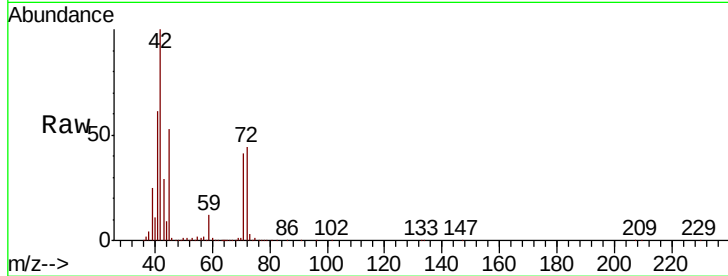
Ion Ratio Lower Upper

41 100

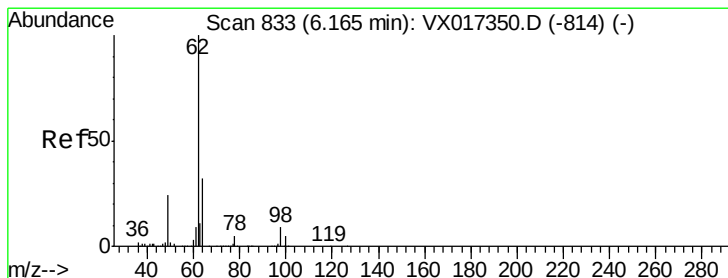
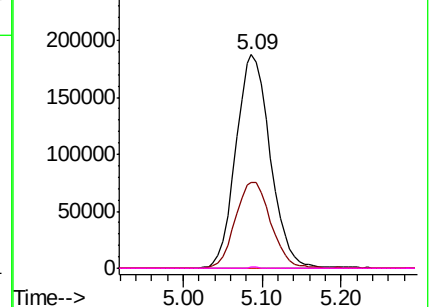
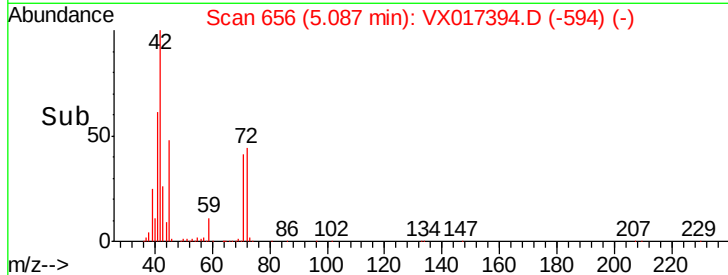
39 41.5 43.8 65.8#

67 0.1 58.7 88.1#

52 0.4 24.9 37.3#



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 0.815 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017394.D

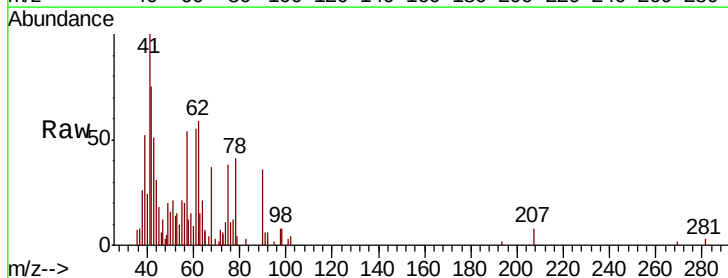
Acq: 16 Jul 2020 16:28

Tgt Ion: 62 Resp: 3802

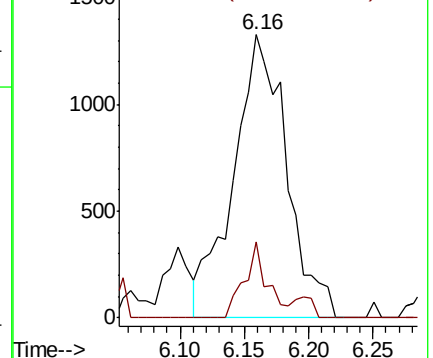
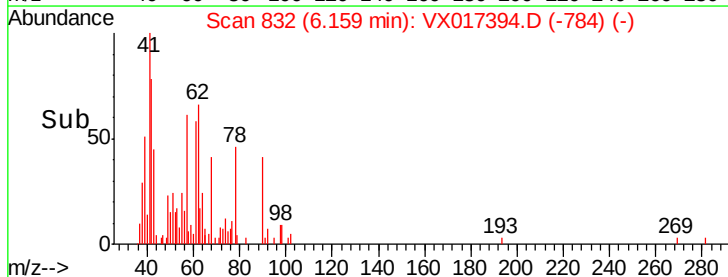
Ion Ratio Lower Upper

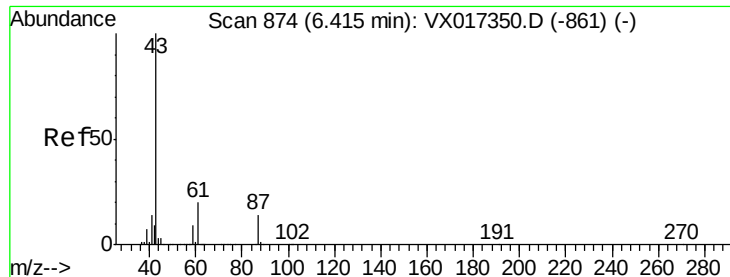
62 100

98 11.7 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 0.921 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

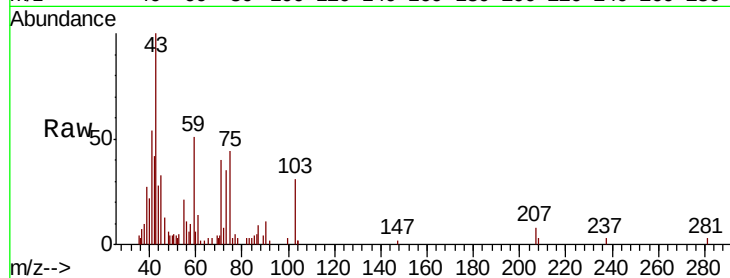
Tot Ion: 43 Resp: 6357

Ion Ratio Lower Upper

43 100

61 11.5 16.4 24.6#

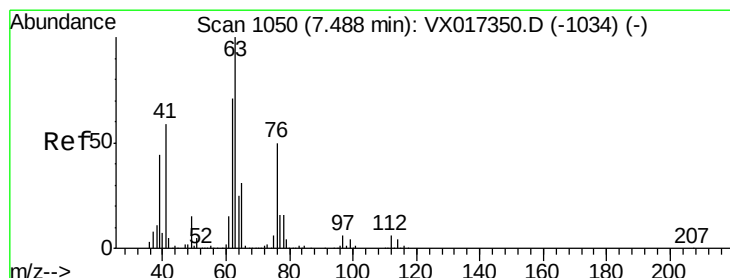
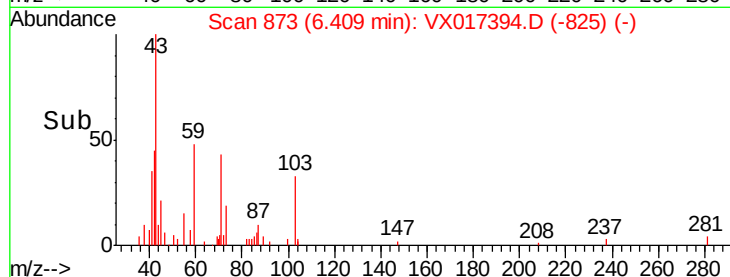
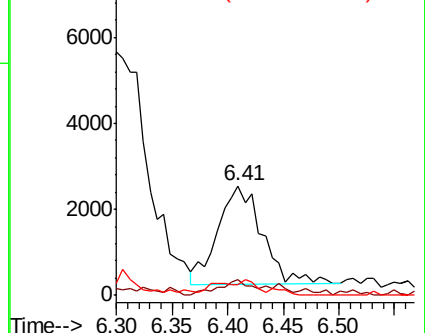
87 6.6 11.2 16.8#



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



#45

1,2-Dichloropropane

Concen: 0.280 ug/l

RT: 7.50 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VX017394.D

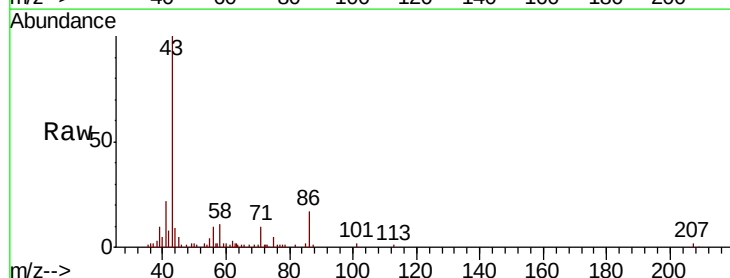
Acq: 16 Jul 2020 16:28

Tgt Ion: 63 Resp: 861

Ion Ratio Lower Upper

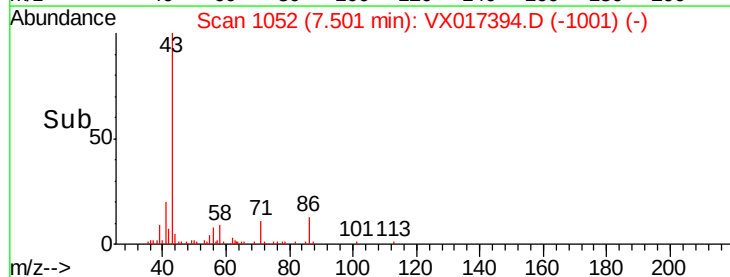
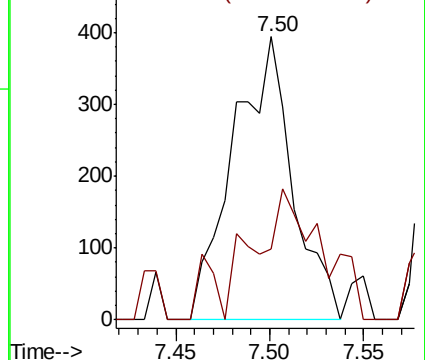
63 100

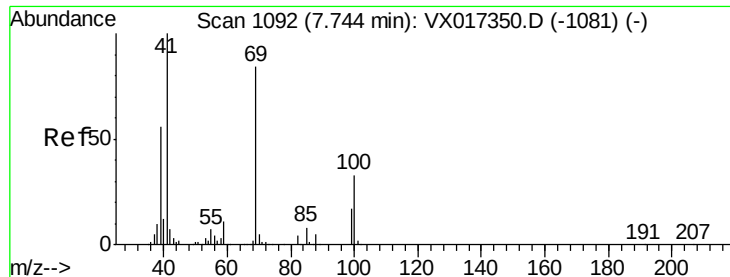
65 24.9 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

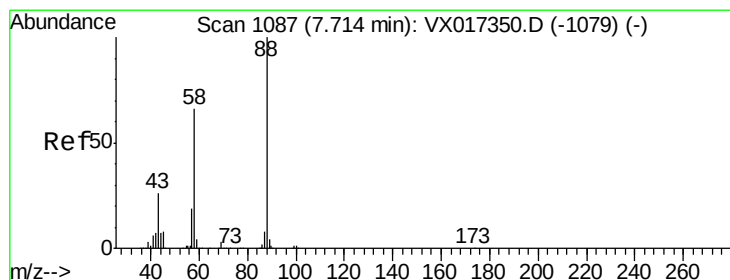
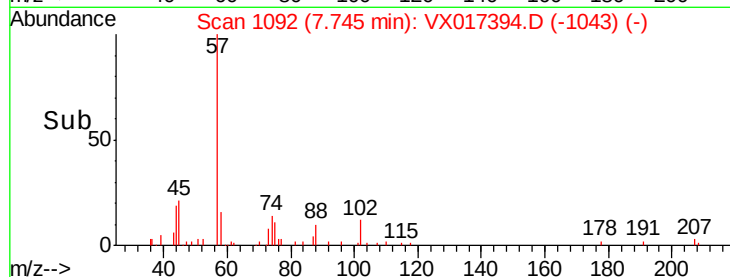
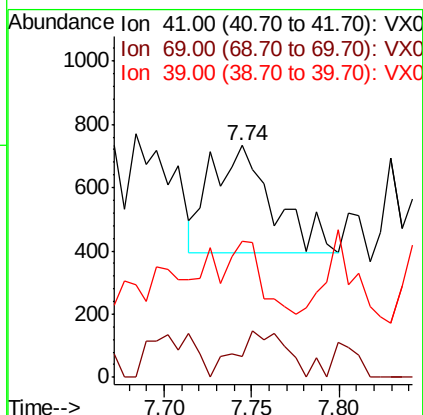
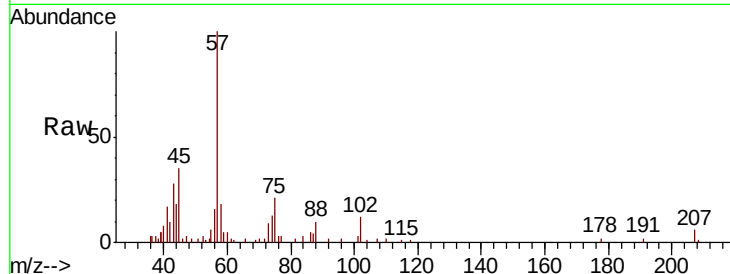




#48
Methvl methacrylate
Concen: 0.253 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

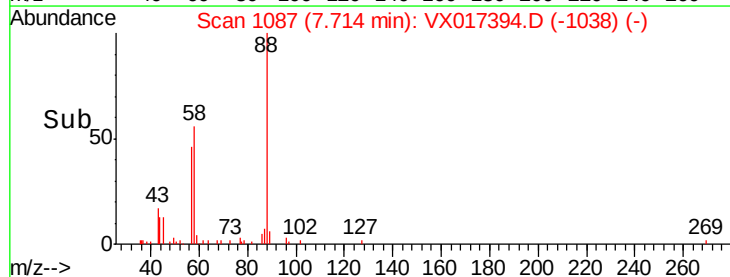
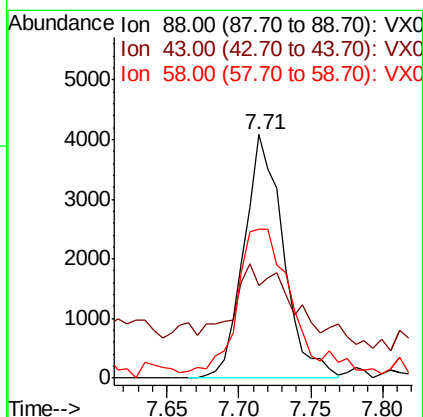
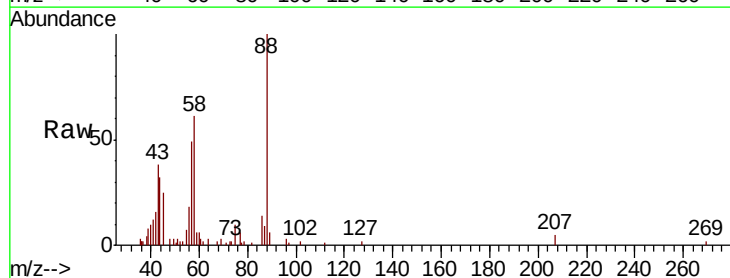
Instrument :
MSVOA_X
ClientSampleId :
200715091-01

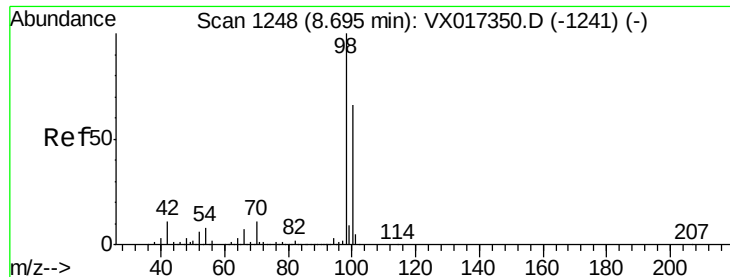
Tot Ion: 41 Resp: 837
Ion Ratio Lower Upper
41 100
69 33.9 67.8 101.6#
39 33.0 45.1 67.7#



#49
1,4-Dioxane
Concen: 113.931 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

Tgt Ion: 88 Resp: 7725
Ion Ratio Lower Upper
88 100
43 55.4 25.6 38.4#
58 75.7 53.9 80.9

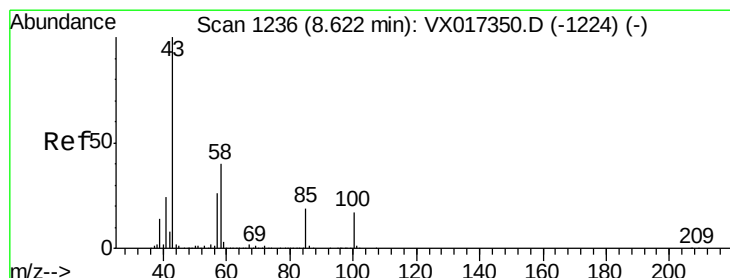
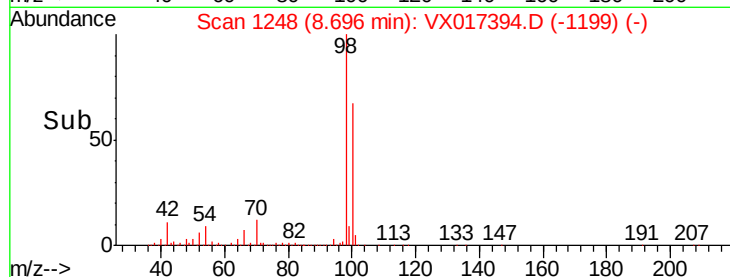
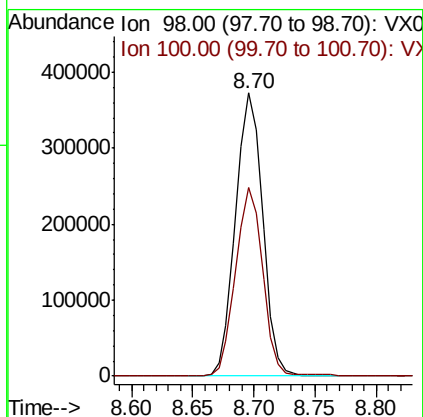
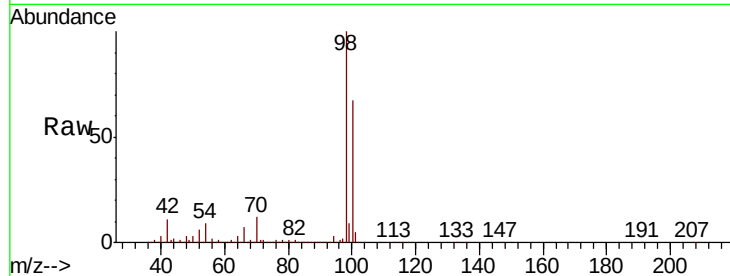




#50
Toluene-d8
Concen: 51.975 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

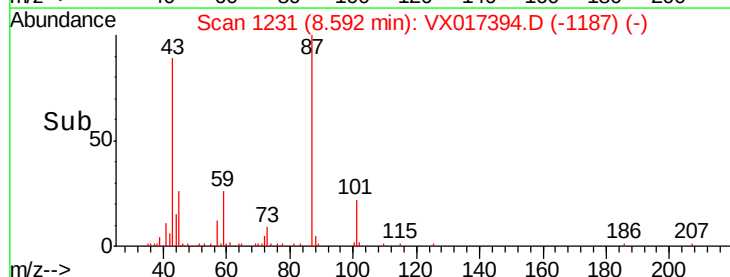
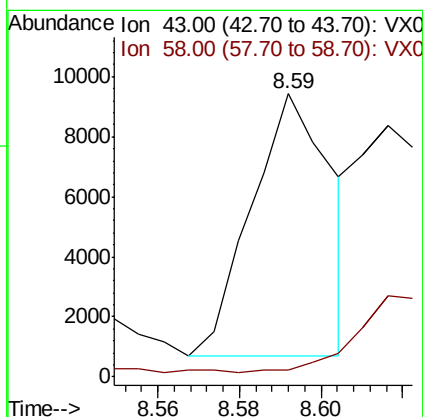
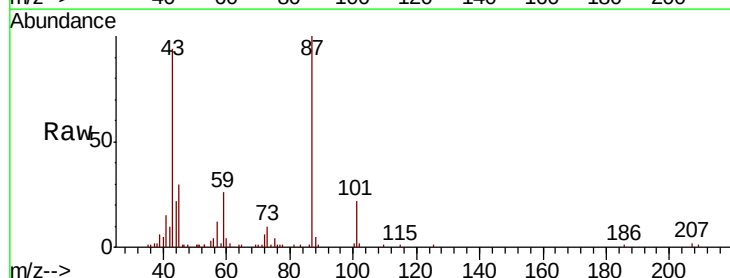
Instrument :
MSVOA_X
ClientSampleId :
200715091-01

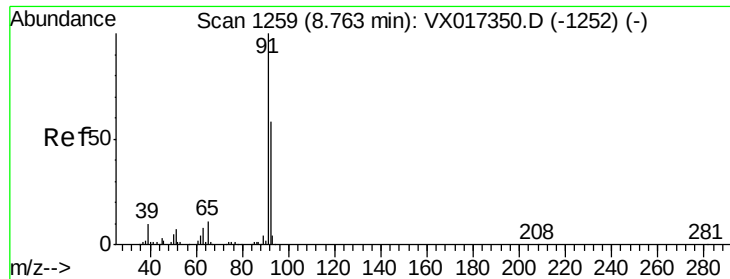
Tot Ion: 98 Resp: 573666
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 2.827 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

Tgt Ion: 43 Resp: 11901
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.2#





#52

Toluene

Concen: 4.339 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

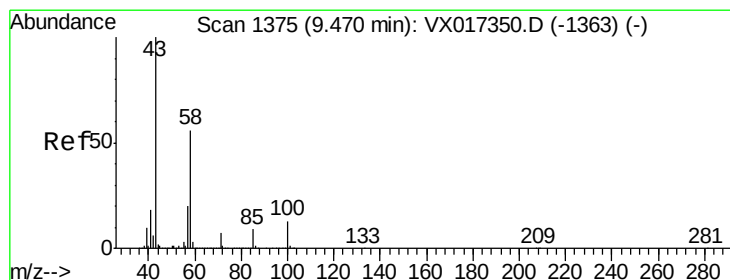
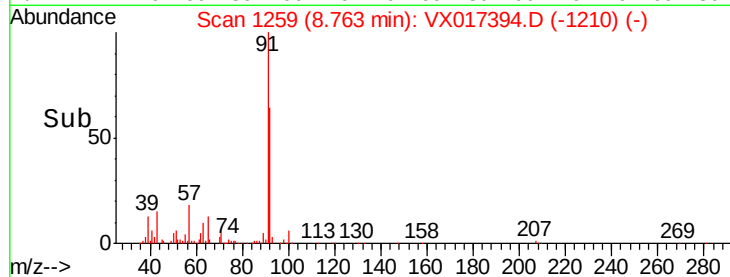
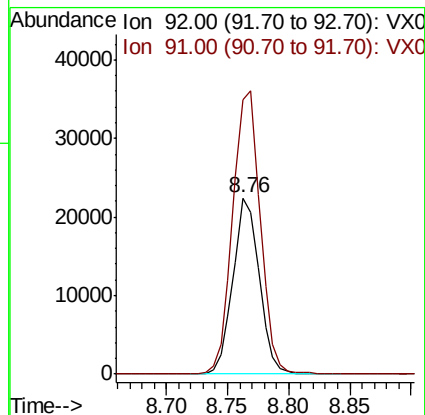
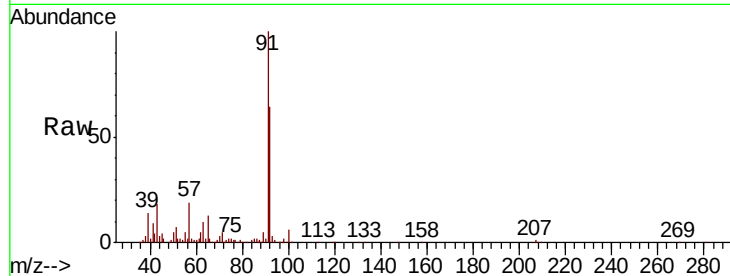
200715091-01

Tot Ion: 92 Resp: 33432

Ion Ratio Lower Upper

92 100

91 168.0 136.7 205.1



#59

2-Hexanone

Concen: 2.069 ug/l

RT: 9.62 min Scan# 1399

Delta R.T. 0.15 min

Lab File: VX017394.D

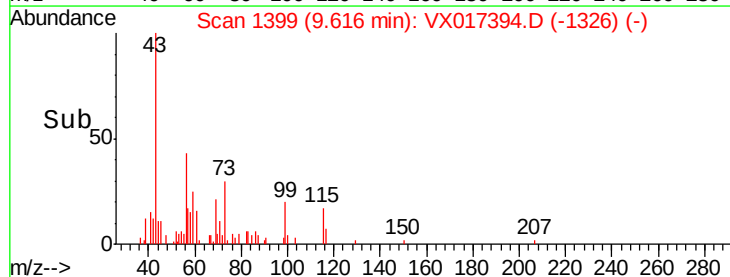
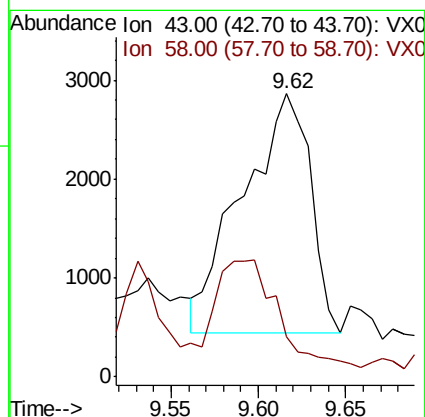
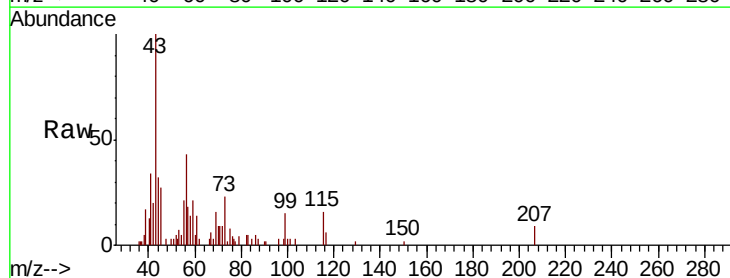
Acq: 16 Jul 2020 16:28

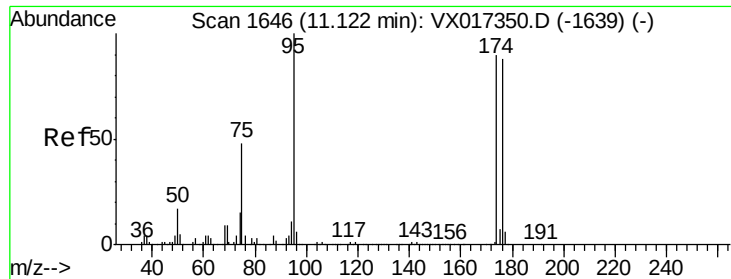
Tgt Ion: 43 Resp: 6574

Ion Ratio Lower Upper

43 100

58 39.6 28.1 84.3





#62

4-Bromofluorobenzene

Concen: 57.784 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

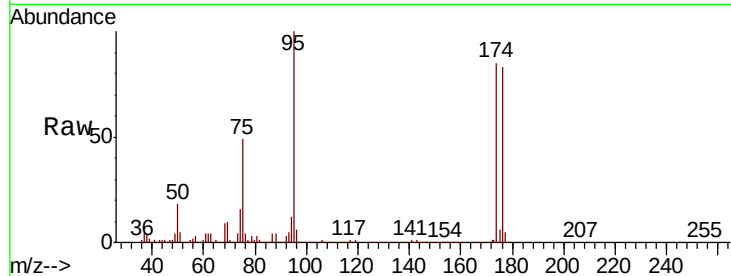
Tot Ion: 95 Resp: 253340

Ion Ratio Lower Upper

95 100

174 83.4 0.0 175.8

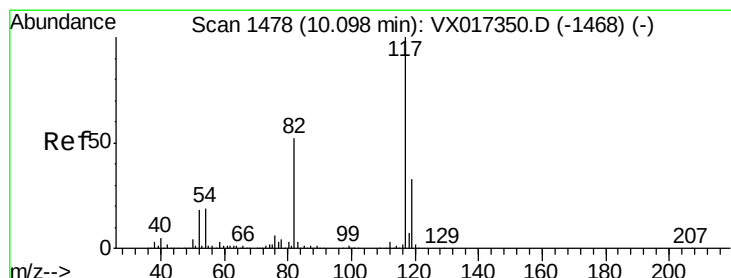
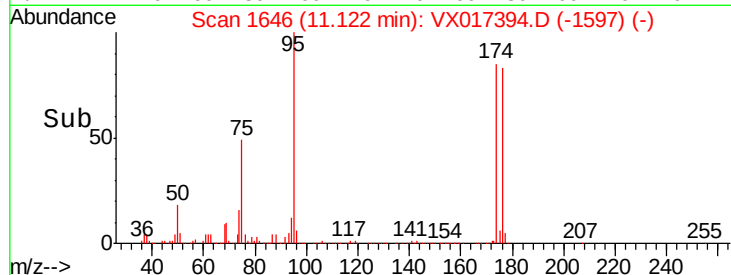
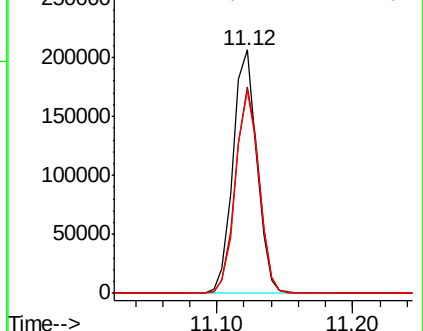
176 81.3 0.0 164.6



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: VX017394.D

Acq: 16 Jul 2020 16:28

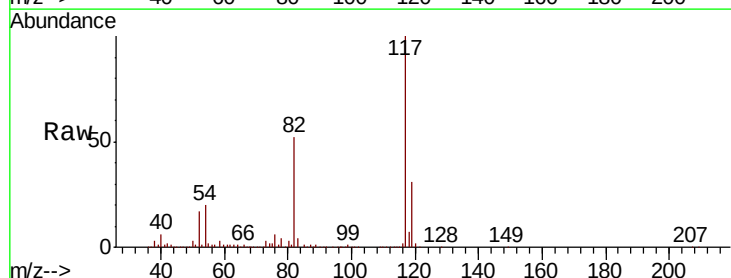
Tgt Ion: 117 Resp: 498093

Ion Ratio Lower Upper

117 100

82 51.8 42.0 63.0

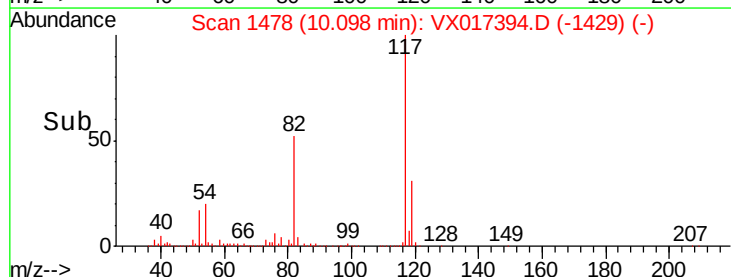
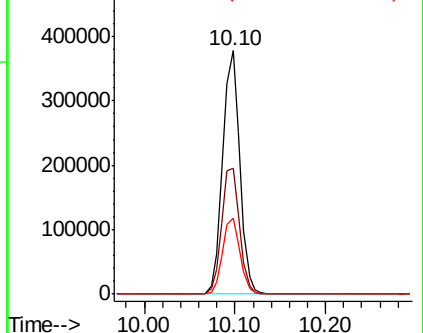
119 31.0 26.3 39.5

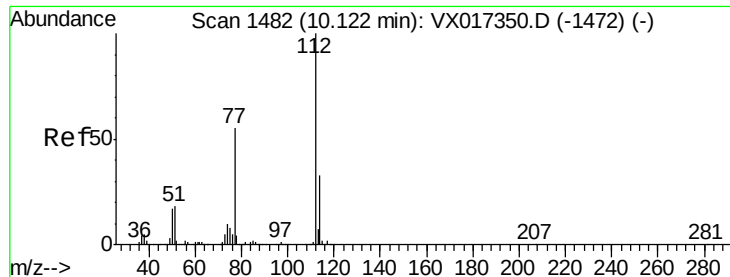


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 1.091 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

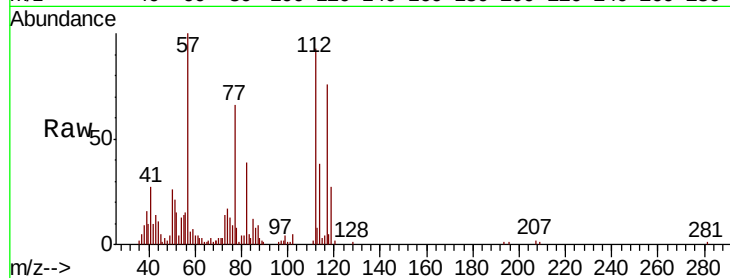
200715091-01

Tot Ion:112 Resp: 11039

Ion Ratio Lower Upper

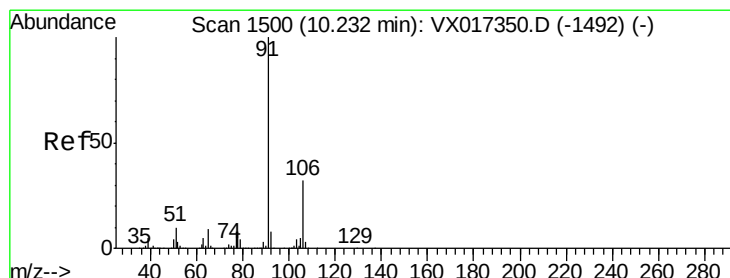
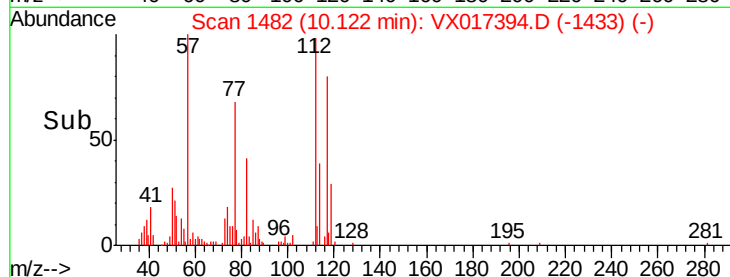
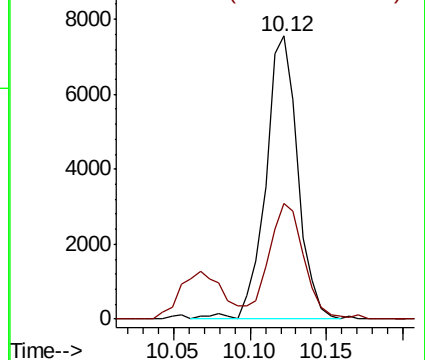
112 100

114 39.8 26.0 39.0#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 5.132 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX017394.D

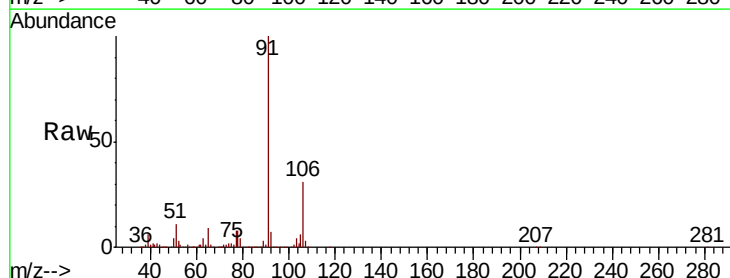
Acq: 16 Jul 2020 16:28

Tgt Ion: 91 Resp: 86474

Ion Ratio Lower Upper

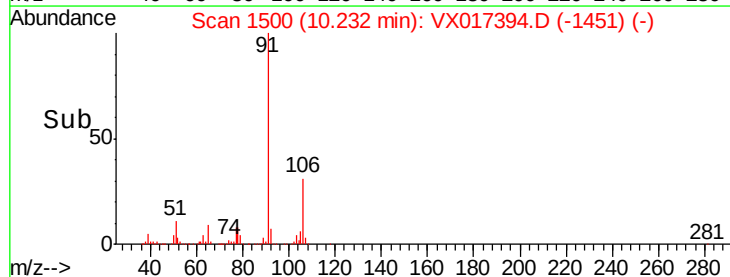
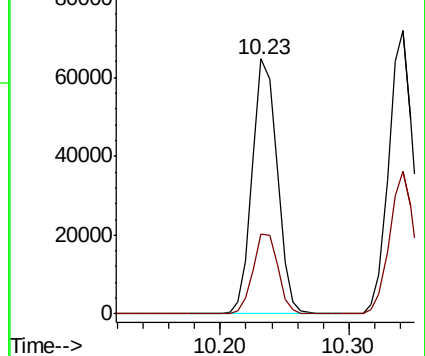
91 100

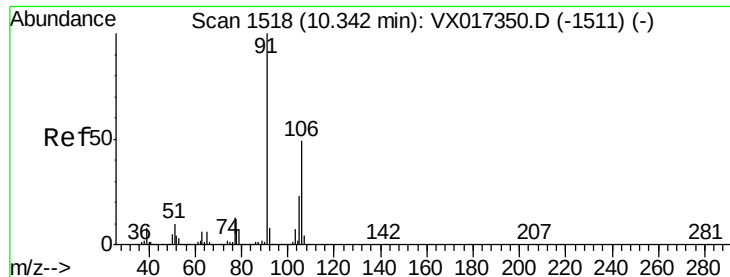
106 31.2 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 7.599 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

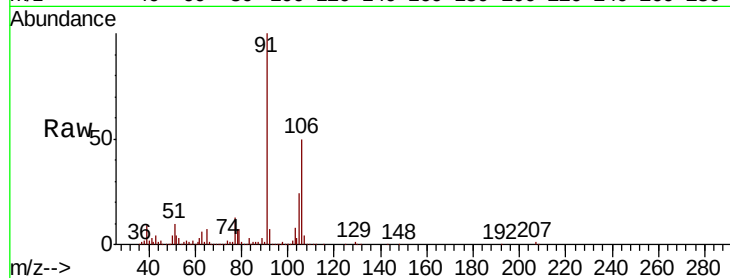
200715091-01

Tot Ion:106 Resp: 48718

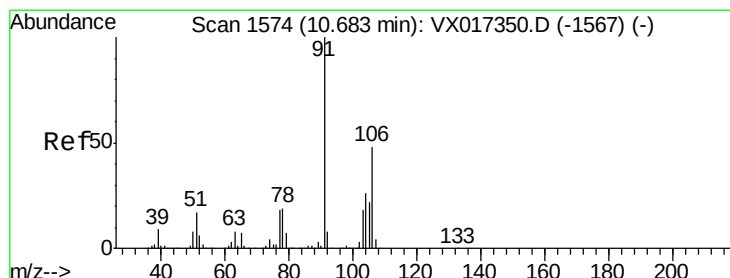
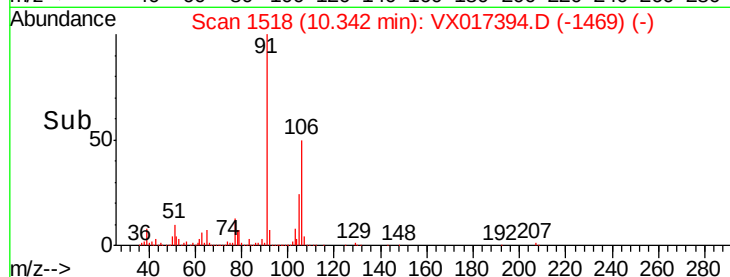
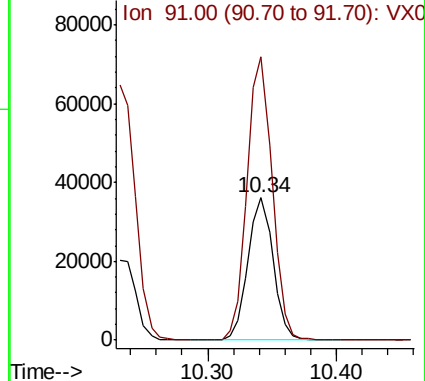
Ion Ratio Lower Upper

106 100

91 197.1 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 4.678 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017394.D

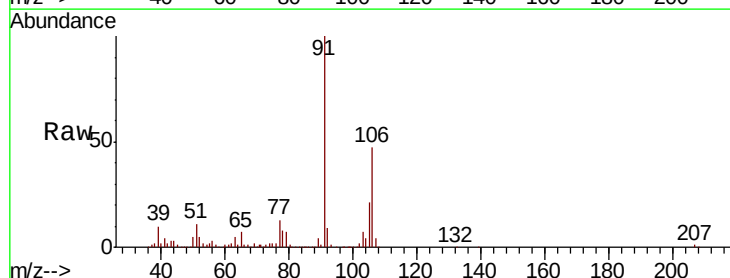
Acq: 16 Jul 2020 16:28

Tgt Ion:106 Resp: 28659

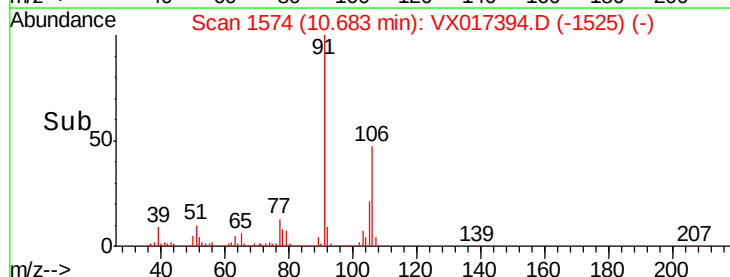
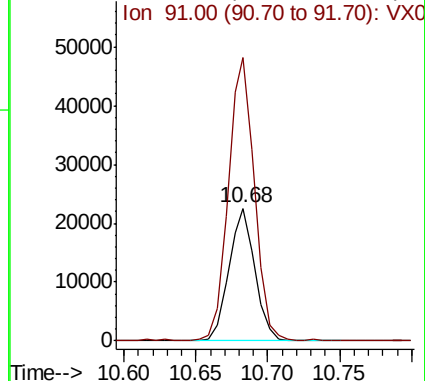
Ion Ratio Lower Upper

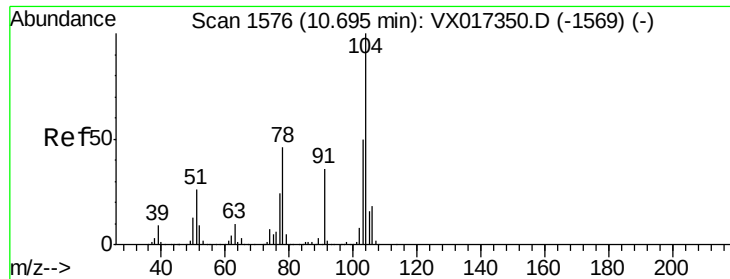
106 100

91 212.1 106.1 318.1



Abundance Ion 106.00 (105.70 to 106.70): V





#70

Stvrene

Concen: 0.631 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

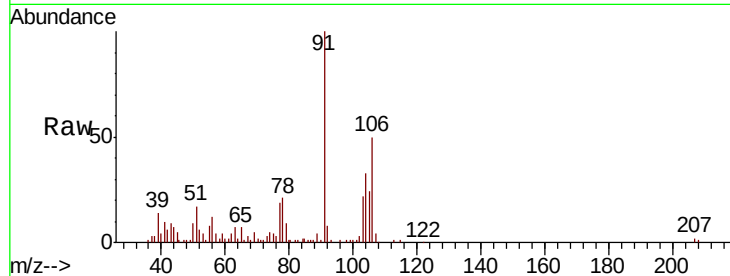
Tot Ion:104 Resp: 6639

Ion Ratio Lower Upper

104 100

78 94.8 40.8 61.2#

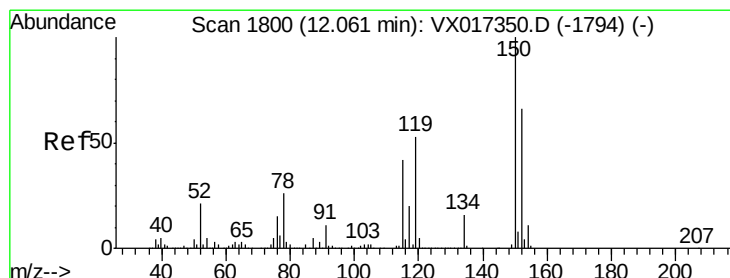
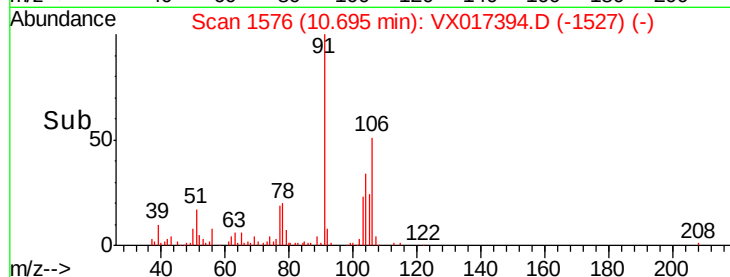
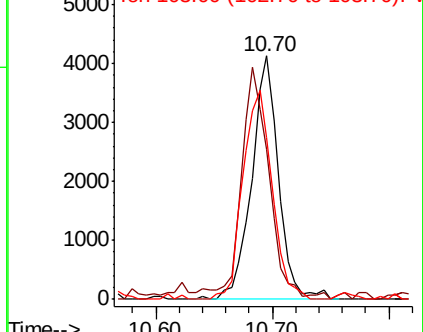
103 93.9 43.3 64.9#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): 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: VX017394.D

Acq: 16 Jul 2020 16:28

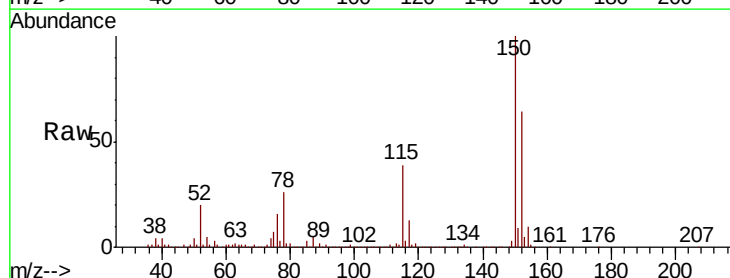
Tgt Ion:152 Resp: 286417

Ion Ratio Lower Upper

152 100

115 58.0 39.9 119.7

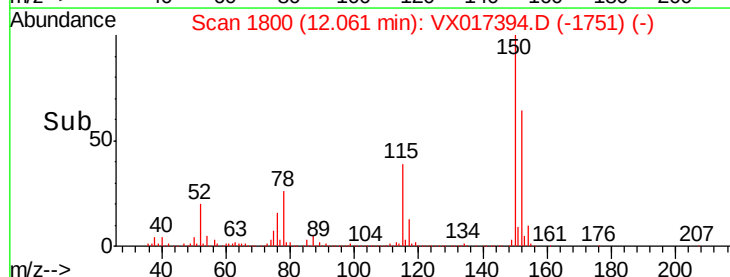
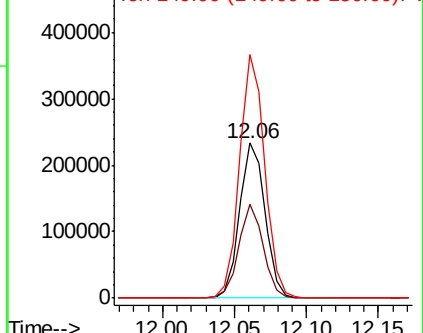
150 155.5 0.0 343.4

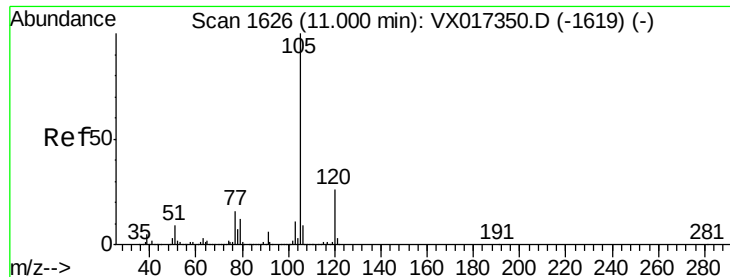


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.514 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

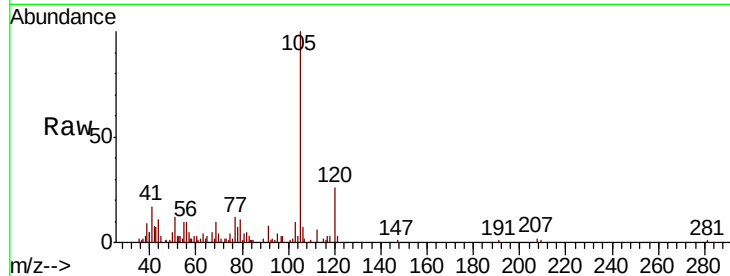
200715091-01

Tot Ion:105 Resp: 9224

Ion Ratio Lower Upper

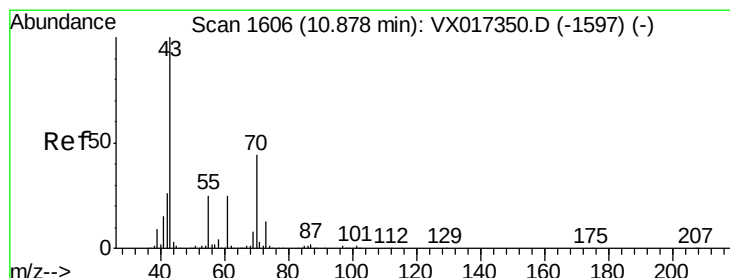
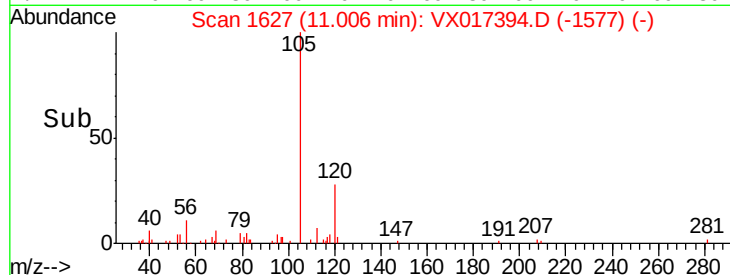
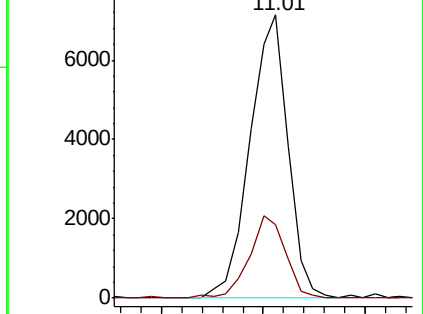
105 100

120 27.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.829 ug/l

RT: 10.93 min Scan# 1615

Delta R.T. 0.05 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Tgt Ion: 43 Resp: 5953

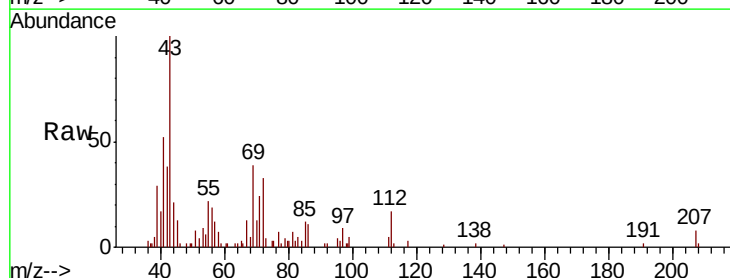
Ion Ratio Lower Upper

43 100

70 0.0 35.7 53.5#

55 22.7 20.3 30.5

61 0.0 20.0 30.0#

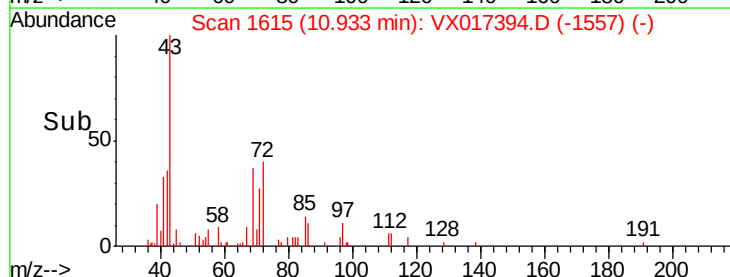
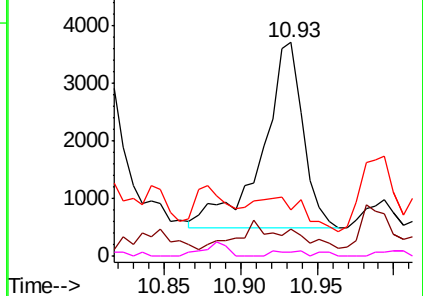


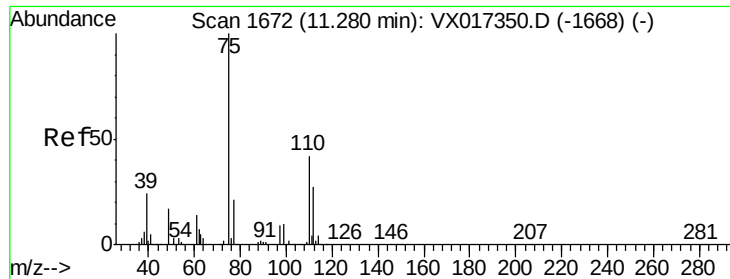
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 23.582 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

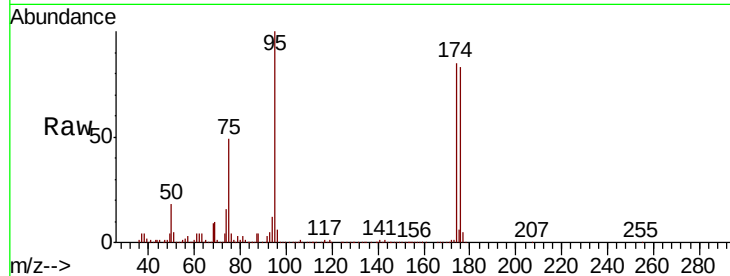
200715091-01

Tot Ion: 75 Resp: 124810

Ion Ratio Lower Upper

75 100

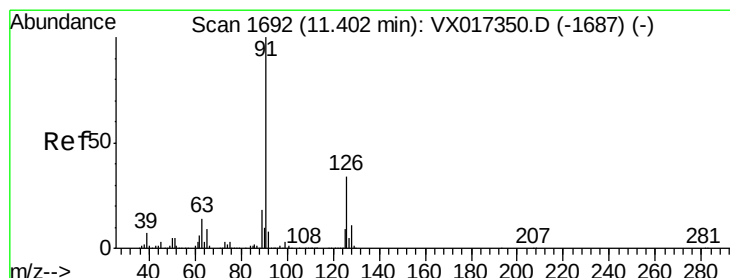
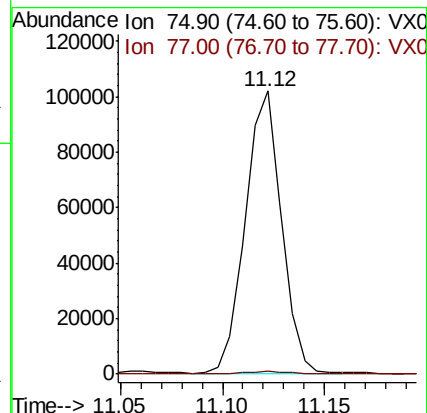
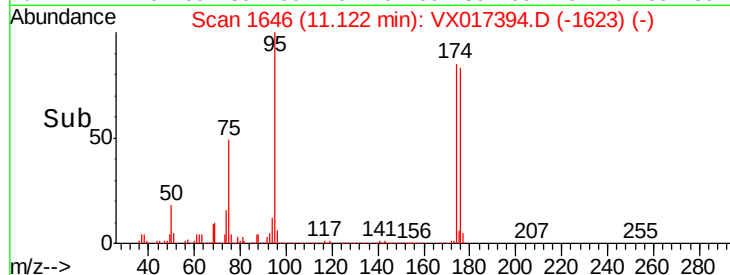
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12



#79

2-Chlorotoluene

Concen: 0.347 ug/l

RT: 11.41 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VX017394.D

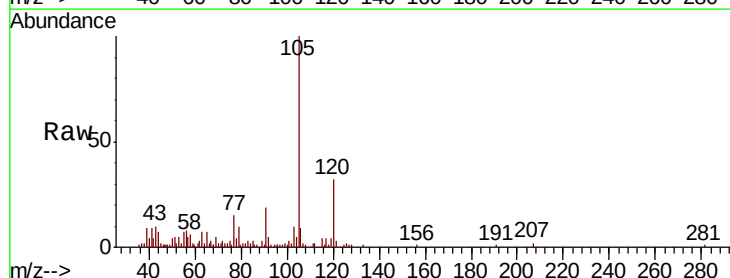
Acq: 16 Jul 2020 16:28

Tgt Ion: 91 Resp: 4307

Ion Ratio Lower Upper

91 100

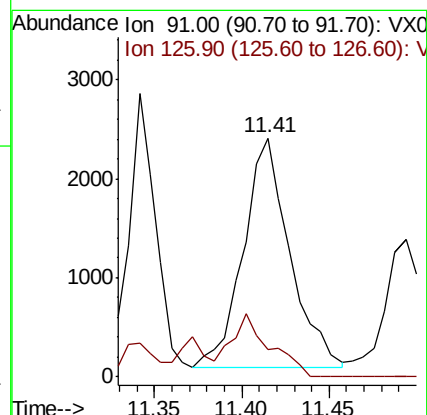
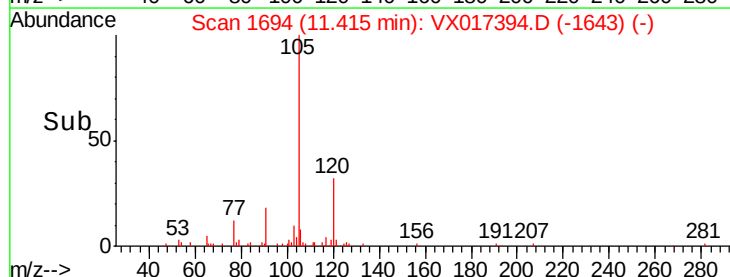
126 22.6 17.4 52.3

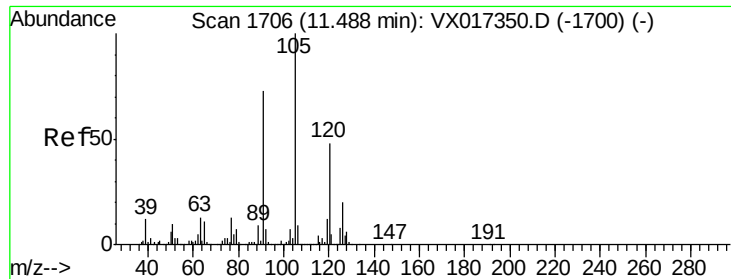


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.41

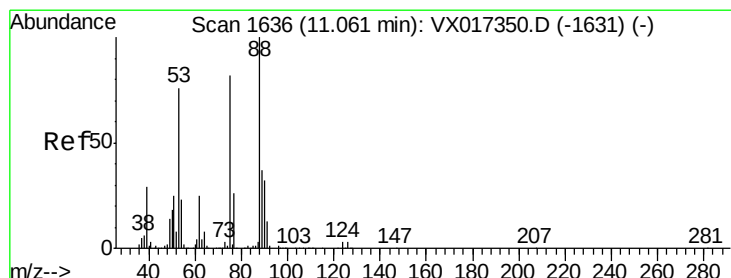
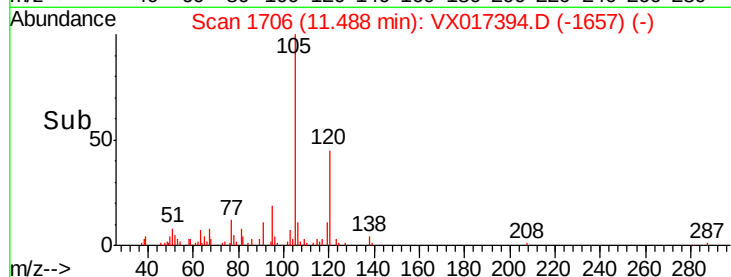
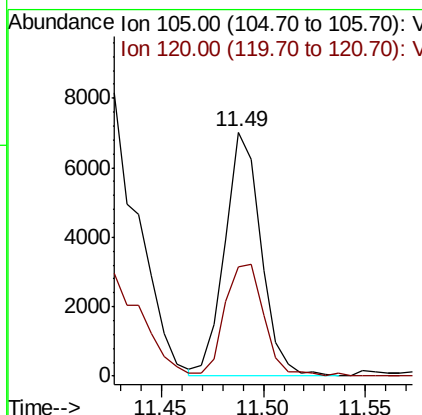
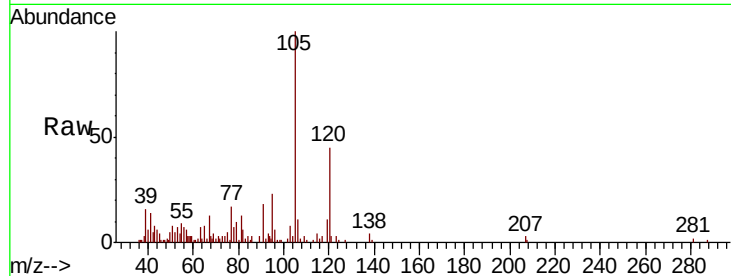




#80
 1,3,5-Trimethylbenzene
 Concen: 0.567 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX017394.D
 Acq: 16 Jul 2020 16:28

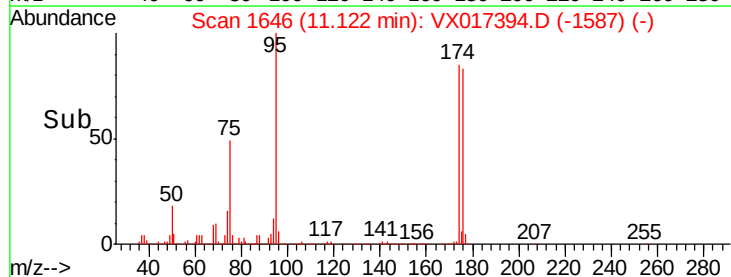
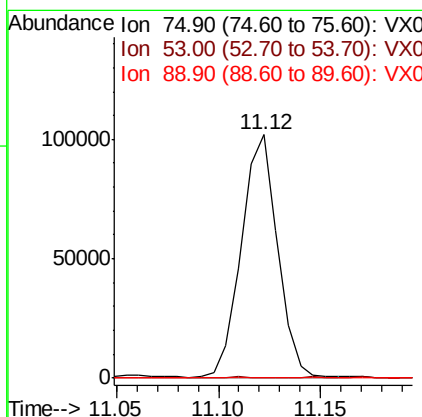
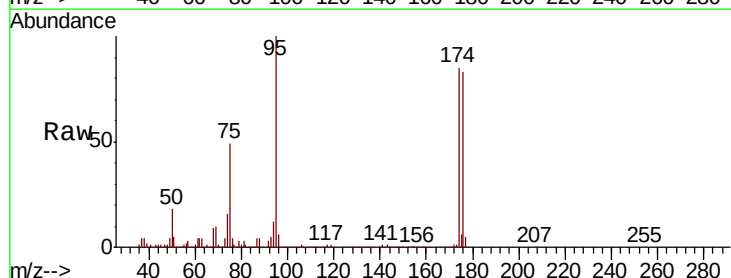
Instrument :
 MSVOA_X
 ClientSampleId :
 200715091-01

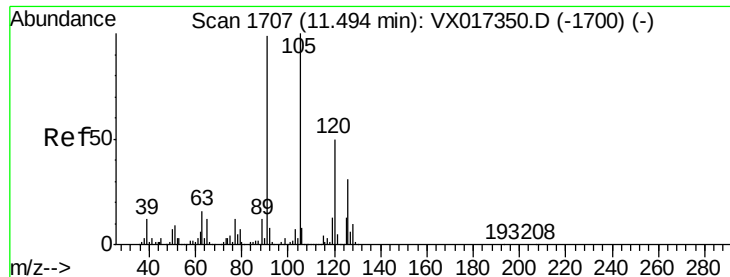
Tot Ion:105 Resp: 8636
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.823 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017394.D
 Acq: 16 Jul 2020 16:28

Tgt Ion: 75 Resp: 124810
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.5 114.7#
 89 0.0 38.1 57.1#





#82

4-Chlorotoluene

Concen: 0.301 ug/l

RT: 11.41 min Scan# 1694

Delta R.T. -0.08 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

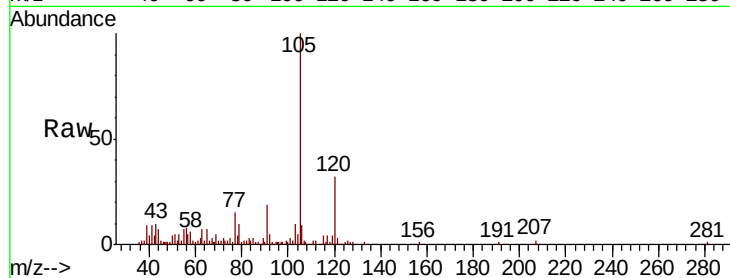
200715091-01

Tot Ion: 91 Resp: 4438

Ion Ratio Lower Upper

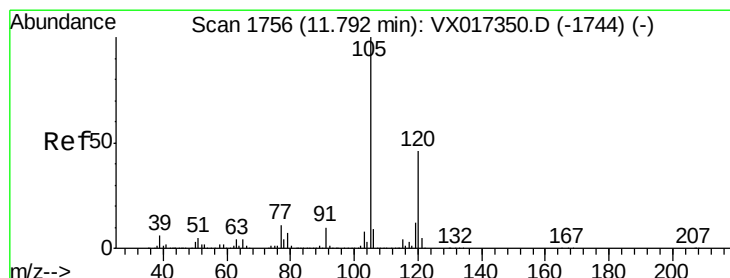
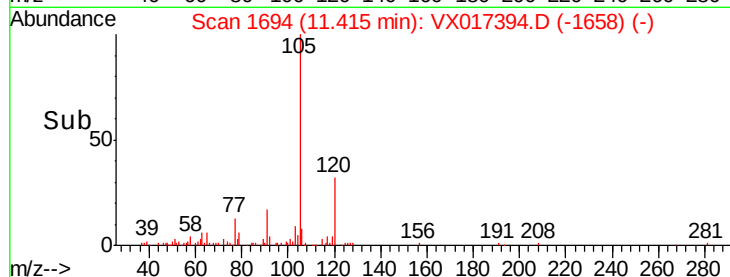
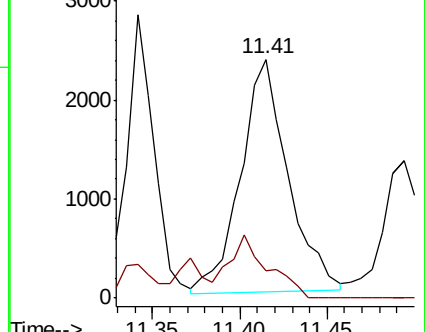
91 100

126 22.0 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VX017350.D (-1700) (-)

Ion 125.90 (125.60 to 126.60): VX017350.D (-1700) (-)



#84

1,2,4-Trimethylbenzene

Concen: 2.036 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017394.D

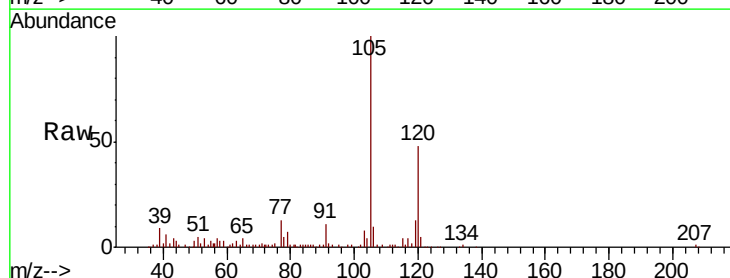
Acq: 16 Jul 2020 16:28

Tgt Ion: 105 Resp: 31353

Ion Ratio Lower Upper

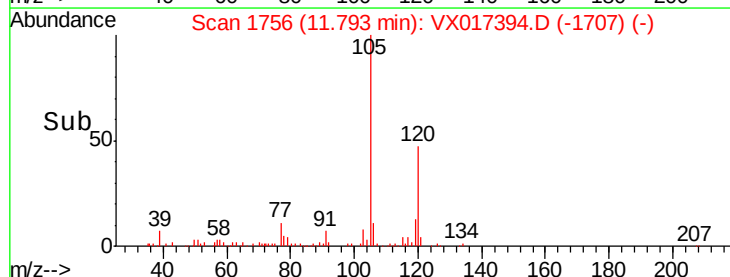
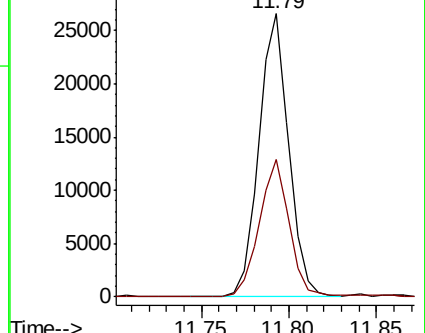
105 100

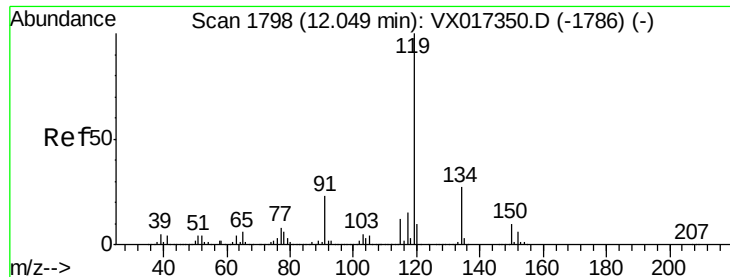
120 48.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): VX017350.D (-1744) (-)

Ion 120.00 (119.70 to 120.70): VX017350.D (-1744) (-)

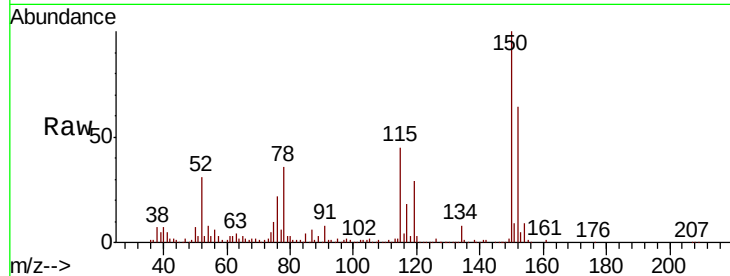




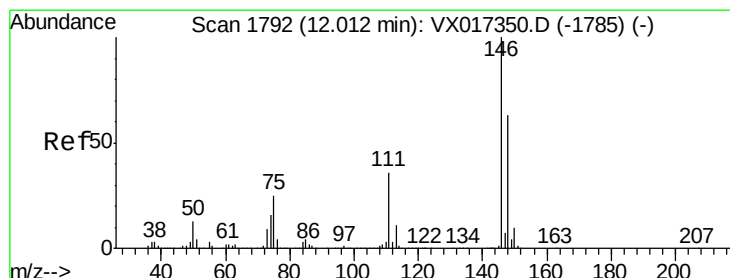
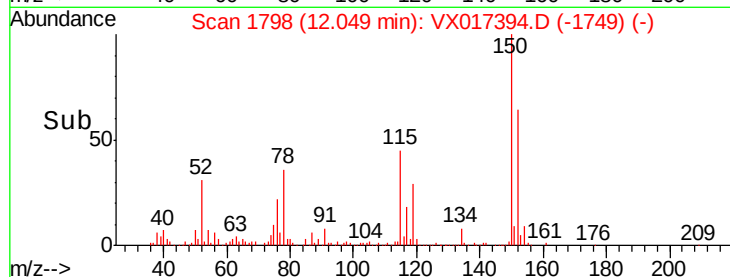
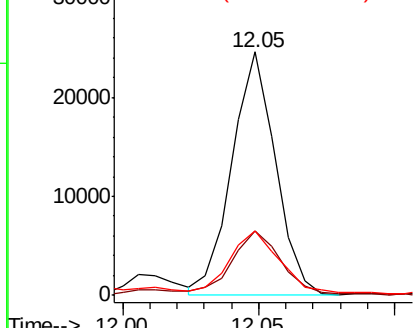
#86
p-Isopropyltoluene
Concen: 1.672 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

Instrument :
MSVOA_X
ClientSampleId :
200715091-01

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.0	13.5	40.5
91	29.8	11.8	35.3

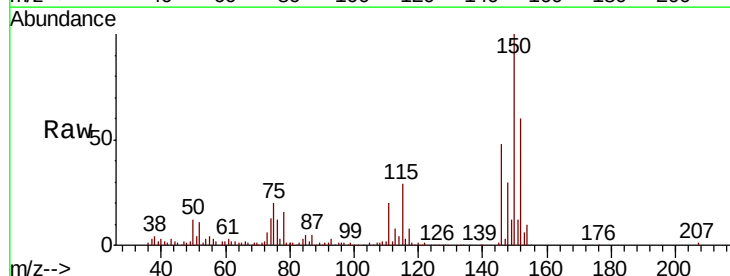


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

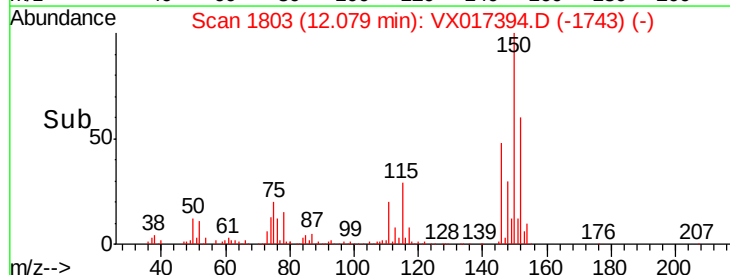
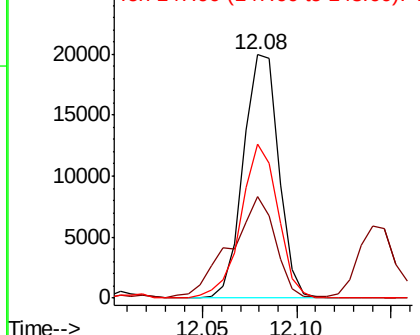


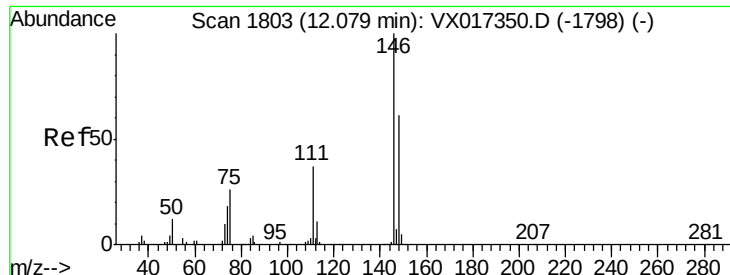
#87
1,3-Dichlorobenzene
Concen: 2.838 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. 0.07 min
Lab File: VX017394.D
Acq: 16 Jul 2020 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.9	19.2	57.6
148	66.4	31.6	95.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.809 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

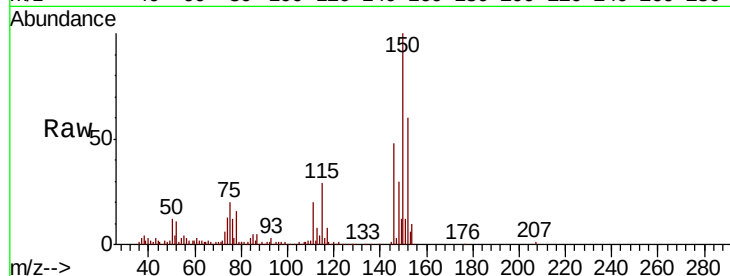
Tot Ion:146 Resp: 25963

Ion Ratio Lower Upper

146 100

111 53.9 18.9 56.9

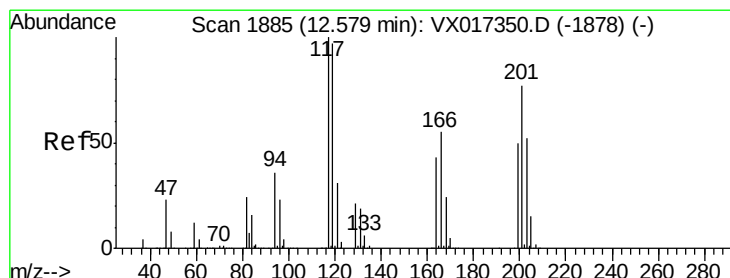
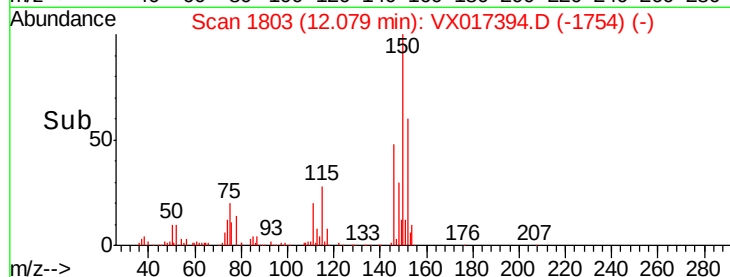
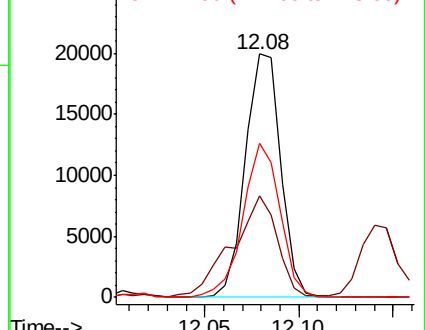
148 66.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 0.224 ug/l

RT: 12.57 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VX017394.D

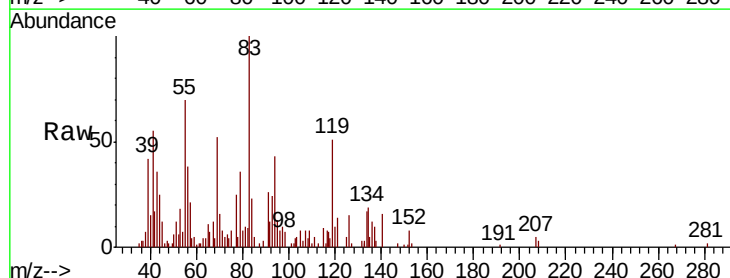
Acq: 16 Jul 2020 16:28

Tgt Ion:117 Resp: 695

Ion Ratio Lower Upper

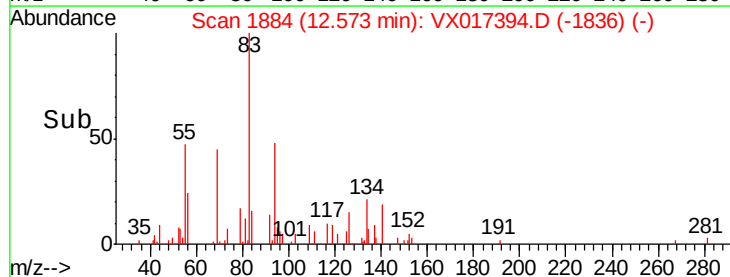
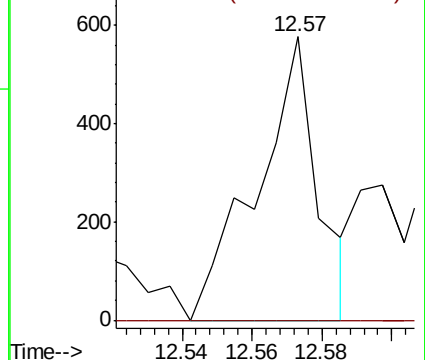
117 100

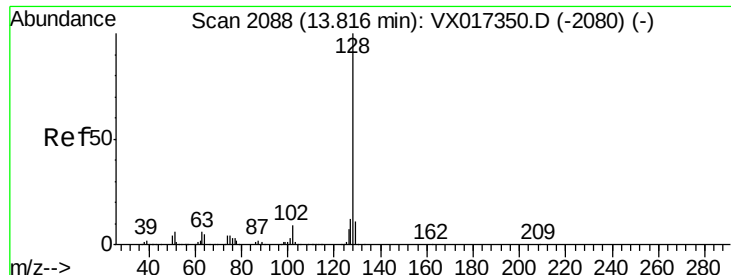
201 0.0 41.0 123.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 19.178 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017394.D

Acq: 16 Jul 2020 16:28

Instrument :

MSVOA_X

ClientSampleId :

200715091-01

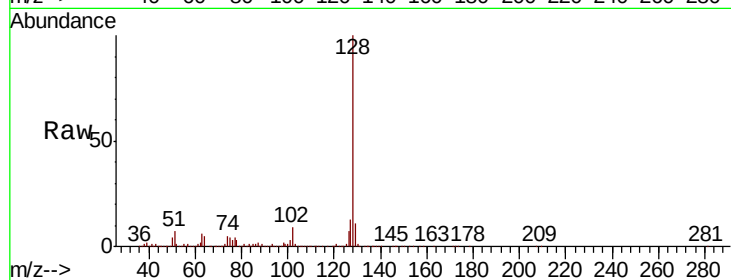
Tot Ion:128 Resp: 336501

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

