

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
 Data File : VX018775.D
 Acq On : 05 Oct 2020 19:11
 Operator : JC/SP
 Sample : L4239-06DL 100X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N6DL

Quant Time: Oct 06 05:20:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 01:36:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	72195	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	68553	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	34432	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	42539	10.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	201.60%#
7) Chloroethane-d5	1.70	69	36557	11.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	221.60%#
11) 1,1-Dichloroethene-d2	2.34	63	74200	7.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	156.00%#
20) 2-Butanone-d5	4.55	46	144259	130.41	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	260.82%#
24) Chloroform-d	5.14	84	103091	10.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	202.00%#
26) 1,2-Dichloroethane-d4	6.03	65	58699	9.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	188.40%#
32) Benzene-d6	6.05	84	196097	11.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	230.20%#
36) 1,2-Dichloropropane-d6	7.37	67	58073	11.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	235.80%#
41) Toluene-d8	8.70	98	176666	10.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	210.40%#
45) trans-1,3-Dichloropropene-	8.99	79	27448	10.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	207.00%#
48) 2-Hexanone-d5	9.43	63	116877	131.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	263.22%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	47309	11.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	236.20%#
65) 1,2-Dichlorobenzene-d4	12.36	152	73294	11.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	230.80%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.36	96	5411	1.505	ug/L #	32
16) Methylene chloride	2.84	84	3123	0.716	ug/L	88
18) trans-1,2-Dichloroethene	3.14	96	1442	0.374	ug/L #	74
19) 1,1-Dichloroethane	3.67	63	16446	2.402	ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	634048	159.660	ug/L #	97
29) 1,1,1-Trichloroethane	5.46	97	931906	114.912	ug/L	99
30) Cyclohexane	5.54	56	9126	1.622	ug/L	94
33) Benzene	6.11	78	4105	0.286	ug/L	100
34) Trichloroethene	7.19	95	6597	1.556	ug/L	92
42) Toluene	8.77	91	6174564	393.071	ug/L	95
53) Chlorobenzene	10.12	112	2512	0.234	ug/L	94
54) Ethylbenzene	10.24	91	49661	2.820	ug/L	96
55) m,p-xylene	10.34	106	71637	10.429	ug/L	91
56) o-xylene	10.68	106	47934	7.552	ug/L	94
58) Isopropylbenzene	11.00	105	11797	0.664	ug/L	97
66) 1,2-Dichlorobenzene	12.37	146	1809	0.232	ug/L #	88
69) 1,2,4-trichlorobenzene	13.63	180	666	0.125	ug/L #	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 01:36:50 2020
Response via : Initial Calibration

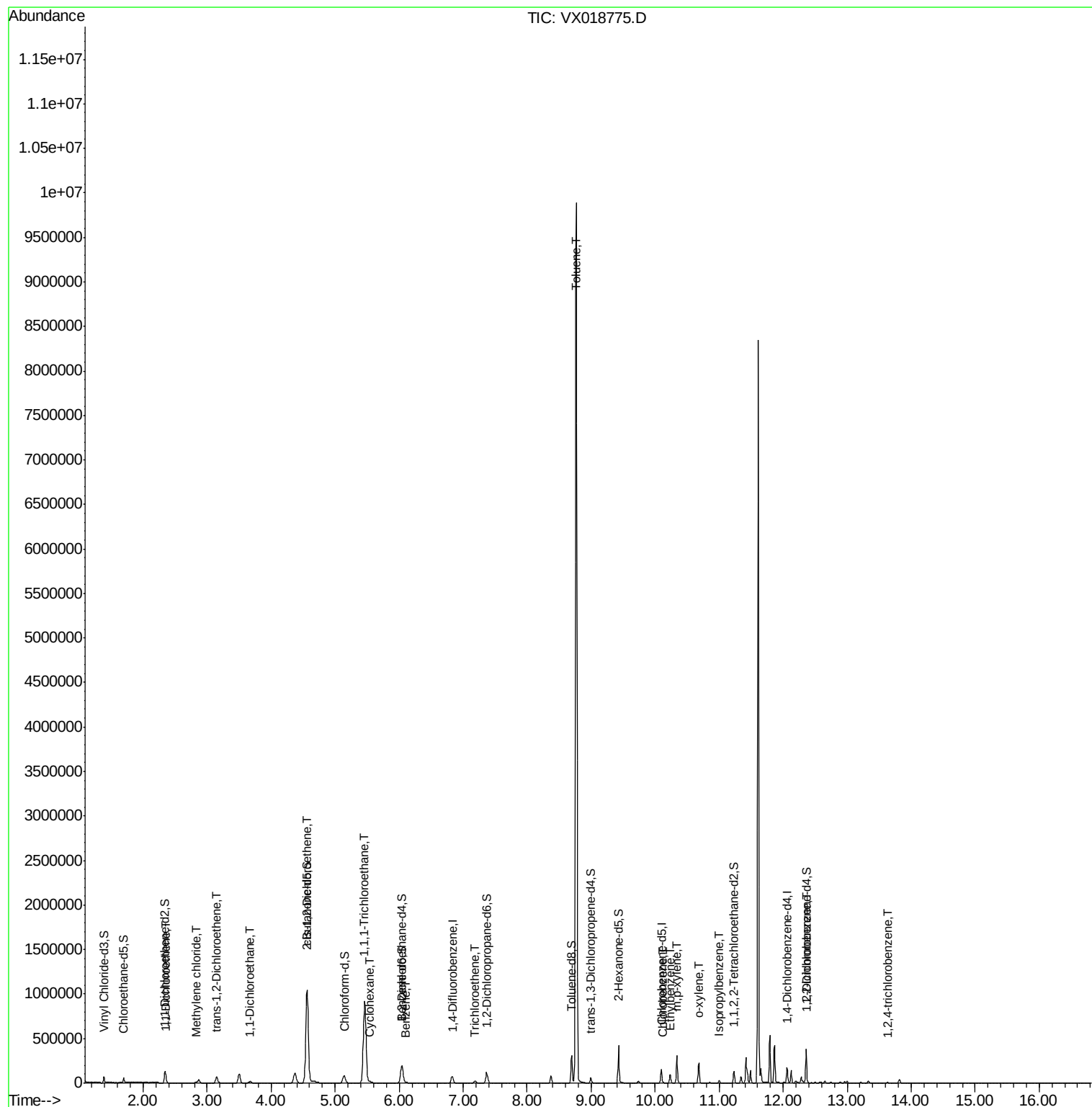
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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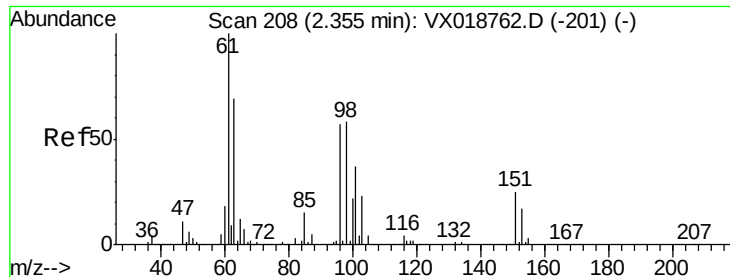
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018775.D
Acq On : 05 Oct 2020 19:11
Operator : JC/SP
Sample : L4239-06DL 100X
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QLast Update : Tue Oct 06 01:36:50 2020
Response via : Initial Calibration

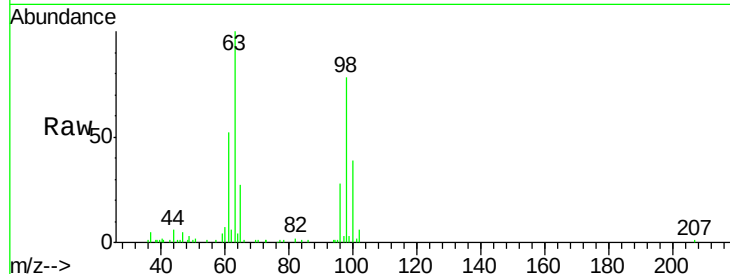




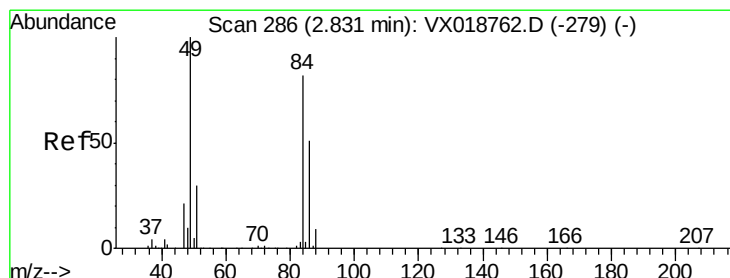
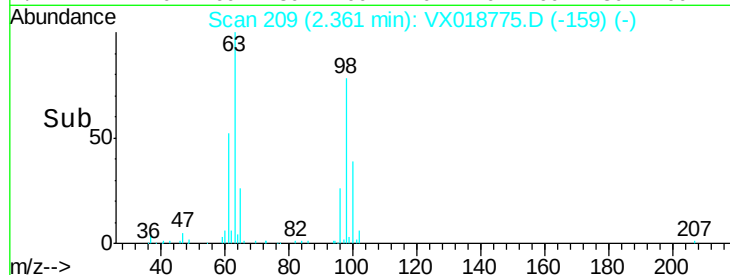
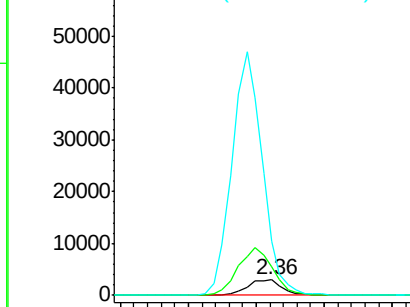
#12
 1,1-Dichloroethene
 Concen: 1.505 ug/L
 RT: 2.36 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VX018775.D
 Acq: 05 Oct 2020 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N6DL

Tot Ion: 96 Resp: 5411
 Ion Ratio Lower Upper
 96 100
 61 187.9 133.2 247.4
 63 359.2 115.1 213.7#

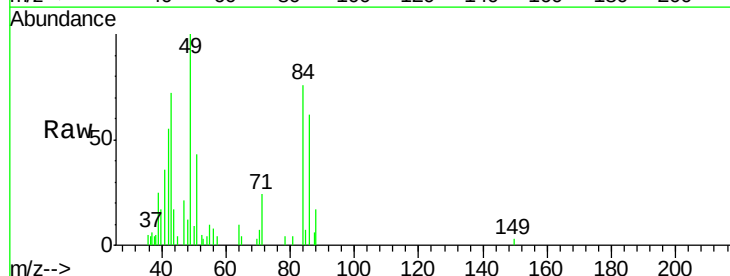


Abundance Ion 96.00 (95.70 to 96.70): VX0
 Ion 61.05 (60.75 to 61.75): VX0
 Ion 63.00 (62.70 to 63.70): VX0

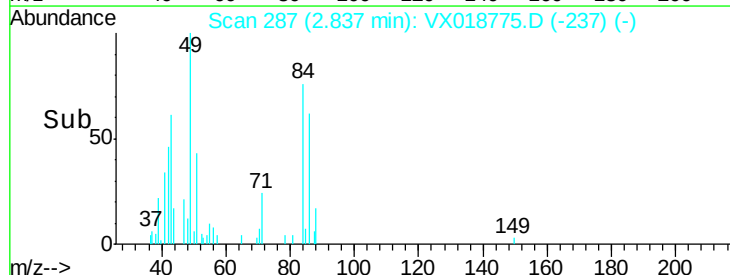
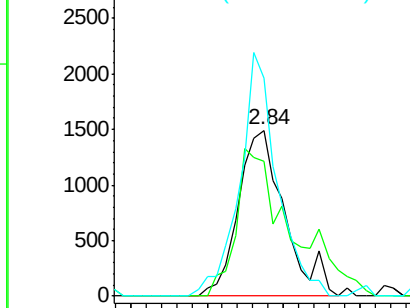


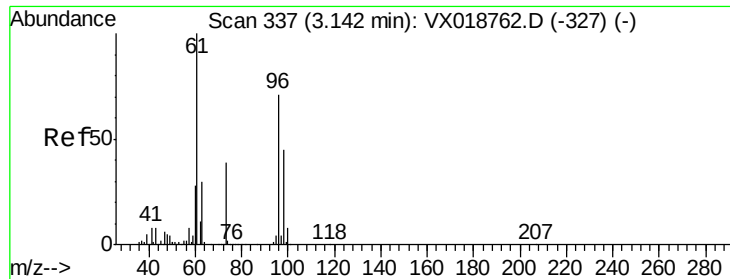
#16
 Methylene chloride
 Concen: 0.716 ug/L
 RT: 2.84 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VX018775.D
 Acq: 05 Oct 2020 19:11

Tgt Ion: 84 Resp: 3123
 Ion Ratio Lower Upper
 84 100
 86 81.1 45.6 84.8
 49 131.1 85.8 159.3



Abundance Ion 84.05 (83.75 to 84.75): VX0
 Ion 86.00 (85.70 to 86.70): VX0
 Ion 49.10 (48.80 to 49.80): VX0





#18

trans-1,2-Dichloroethene

Concen: 0.374 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018775.D

Acq: 05 Oct 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

BG3N6DL

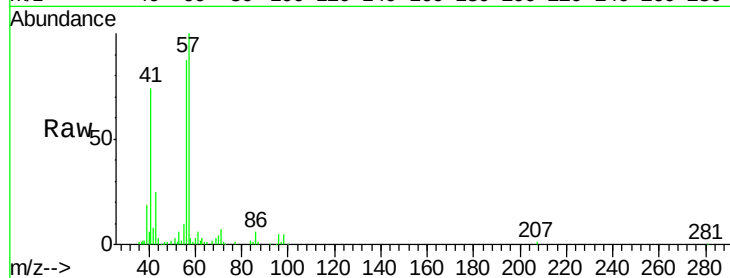
Tot Ion: 96 Resp: 1442

Ion Ratio Lower Upper

96 100

61 112.9 97.6 181.4

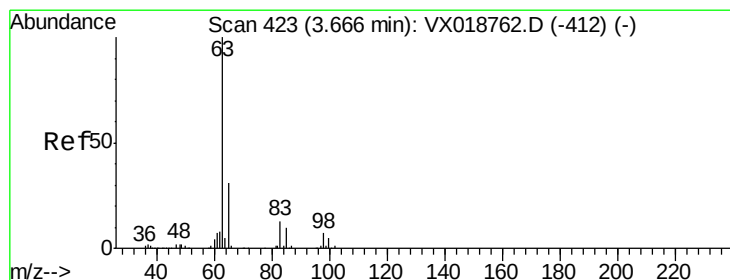
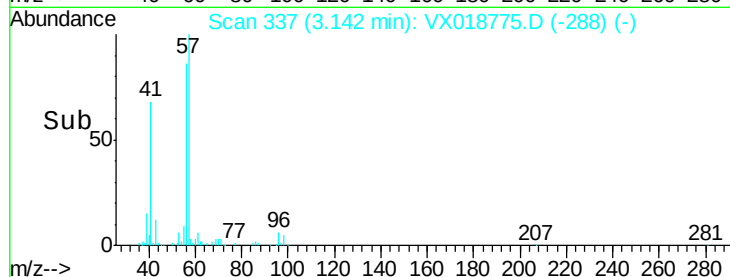
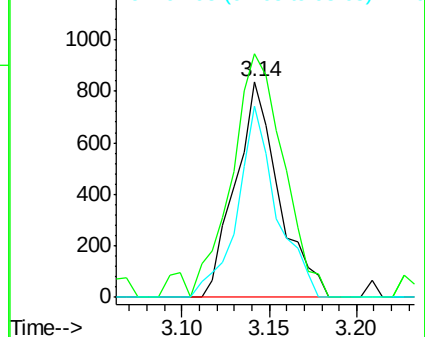
98 88.8 43.1 80.1#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 97.95 (97.65 to 98.65): VX0



#19

1,1-Dichloroethane

Concen: 2.402 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018775.D

Acq: 05 Oct 2020 19:11

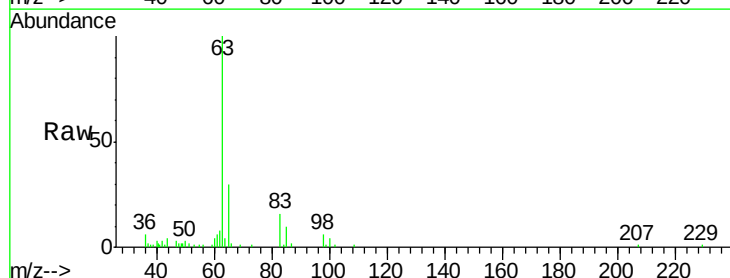
Tgt Ion: 63 Resp: 16446

Ion Ratio Lower Upper

63 100

65 30.8 21.6 40.2

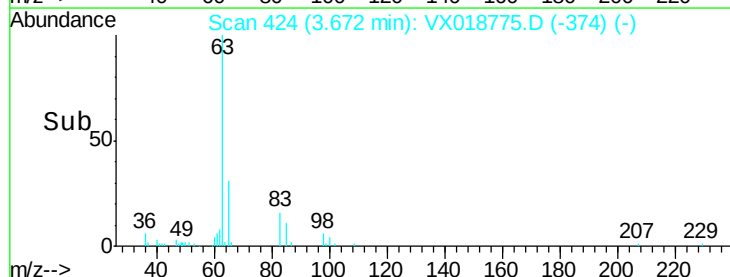
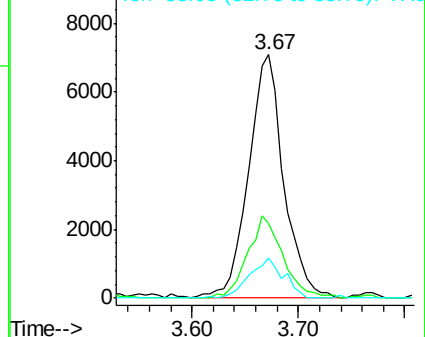
83 15.6 8.7 16.1

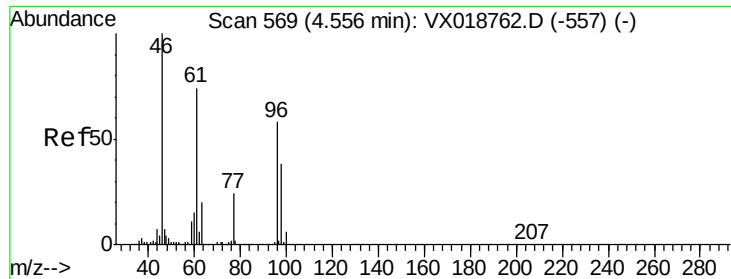


Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 65.10 (64.80 to 65.80): VX0

Ion 83.05 (82.75 to 83.75): VX0



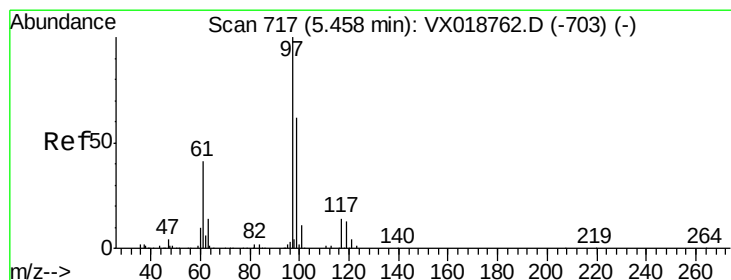
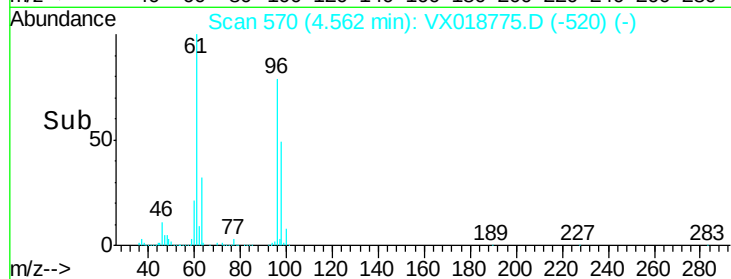
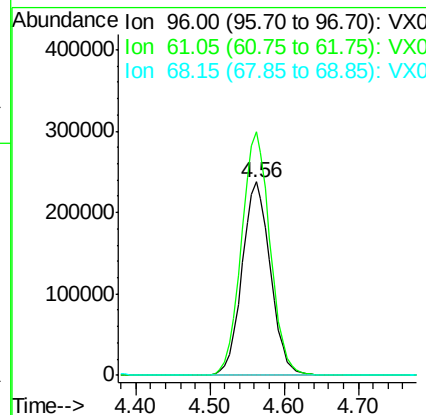
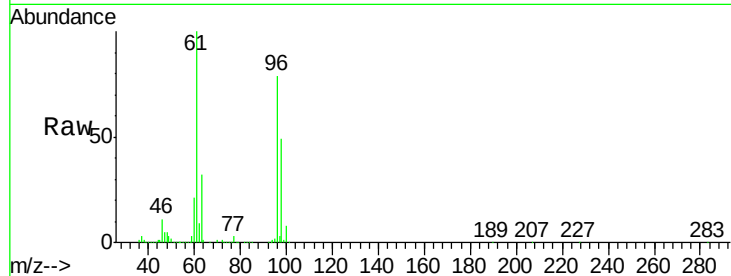


#22

cis-1,2-Dichloroethene
 Concen: 159.660 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX018775.D
 Acq: 05 Oct 2020 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N6DL

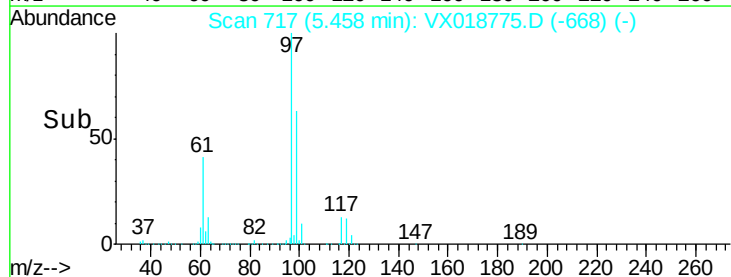
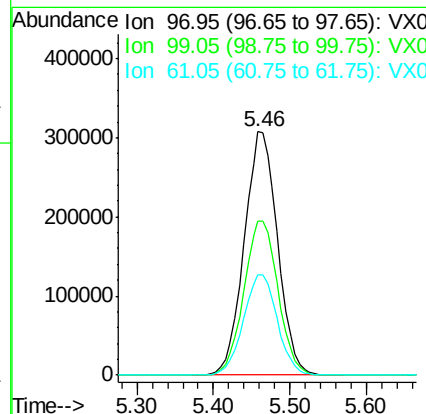
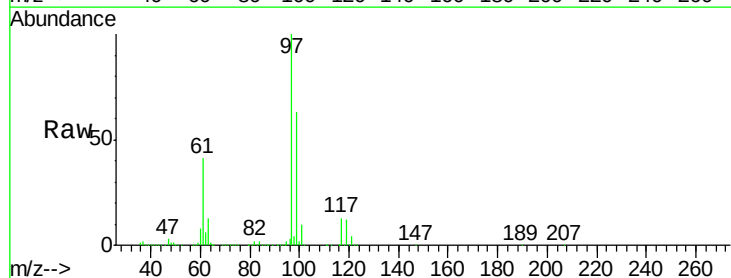
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.0	86.2	160.0
68	0.0	0.3	0.7#

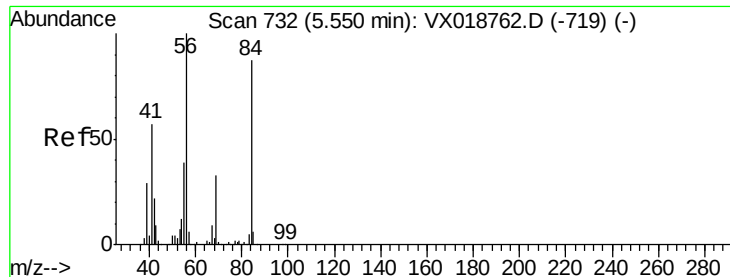


#29

1,1,1-Trichloroethane
 Concen: 114.912 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX018775.D
 Acq: 05 Oct 2020 19:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	41.9	33.3	49.9

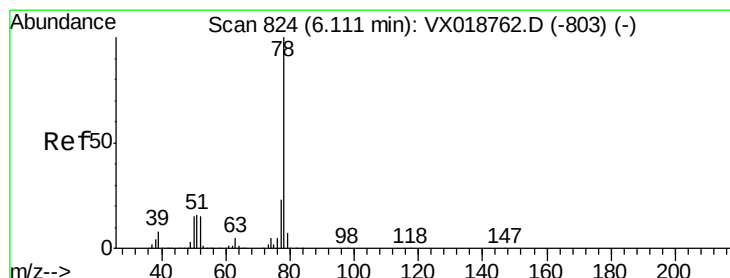
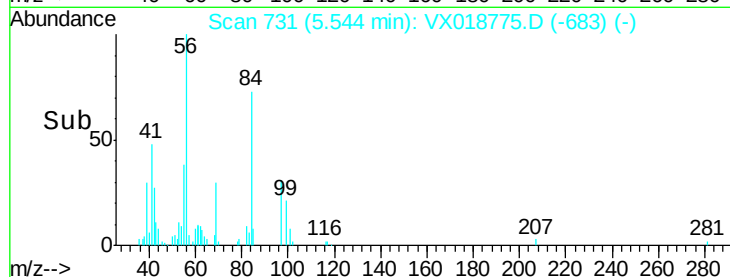
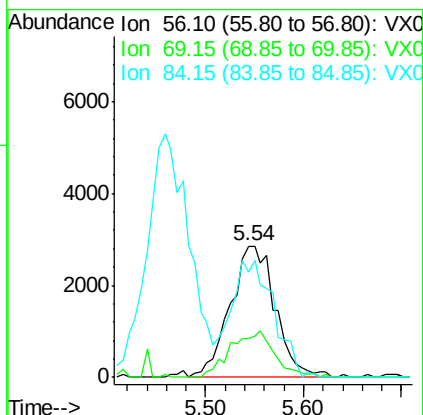
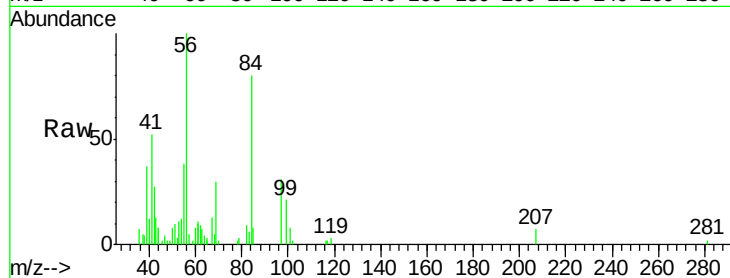




#30
Cyclohexane
Concen: 1.622 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX018775.D
Acq: 05 Oct 2020 19:11

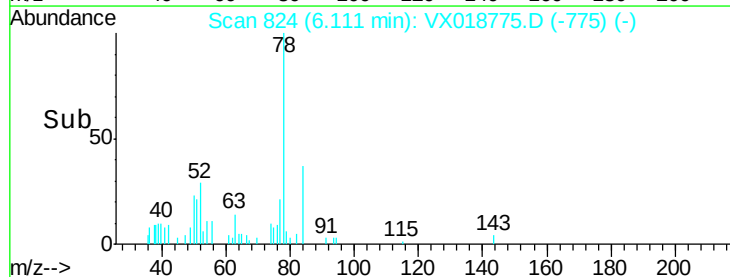
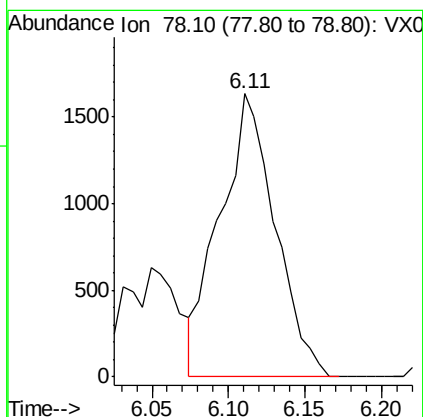
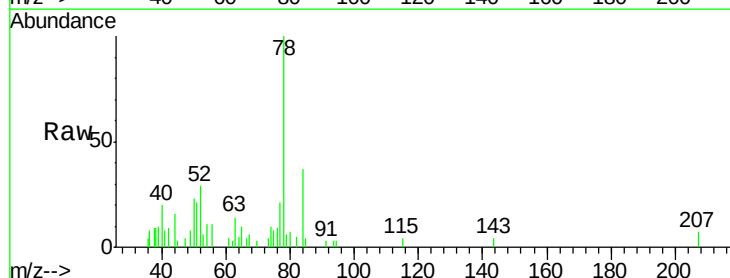
Instrument :
MSVOA_X
ClientSampleID :
BG3N6DL

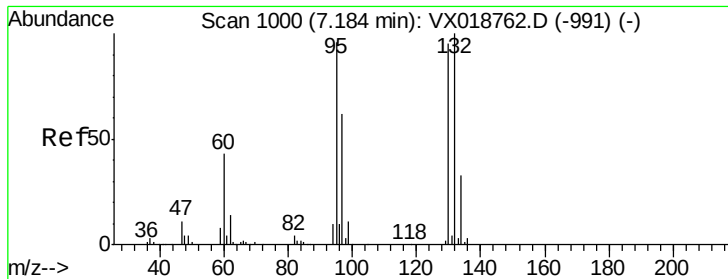
Tot Ion: 56 Resp: 9126
Ion Ratio Lower Upper
56 100
69 35.2 26.0 39.0
84 85.8 73.8 110.6



#33
Benzene
Concen: 0.286 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018775.D
Acq: 05 Oct 2020 19:11

Tgt Ion: 78 Resp: 4105

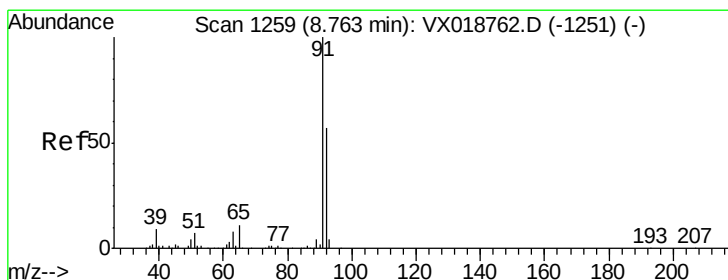
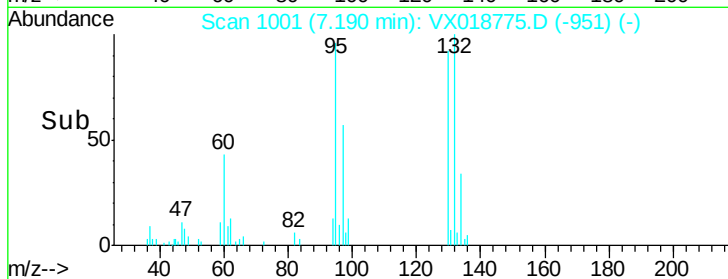
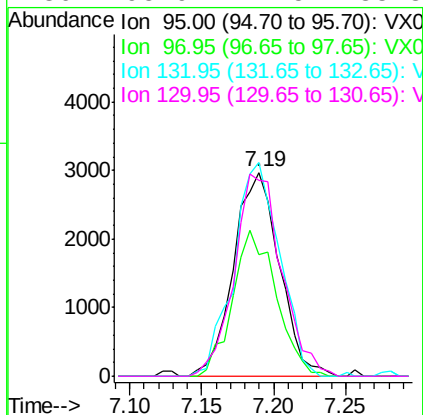
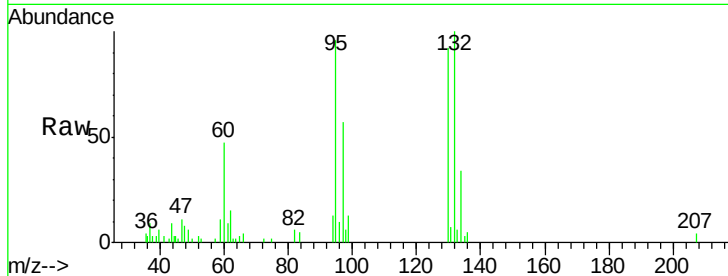




#34
 Trichloroethene
 Concen: 1.556 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX018775.D
 Acq: 05 Oct 2020 19:11

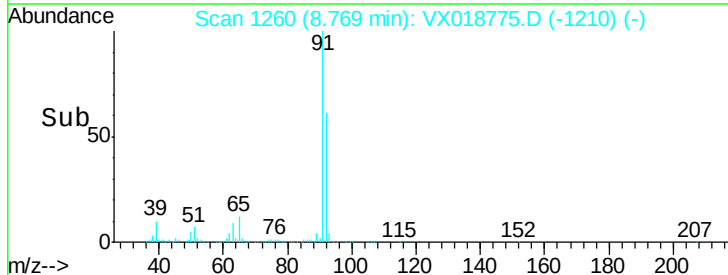
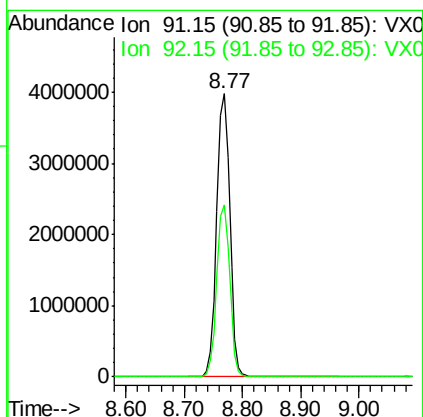
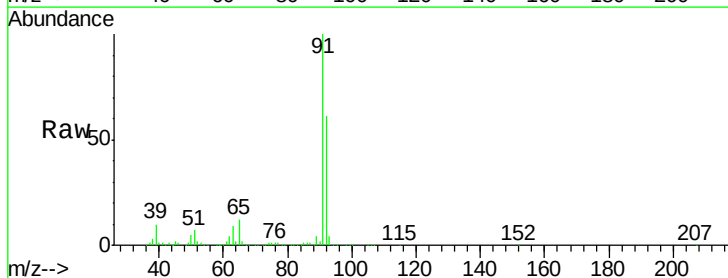
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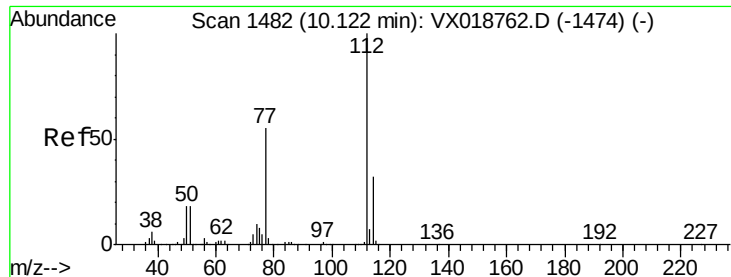
Tot Ion:	95	Resp:	6597
Ion	Ratio	Lower	Upper
95	100		
97	59.7	45.3	84.1
132	104.6	68.6	127.4
130	95.9	74.5	138.3



#42
 Toluene
 Concen: 393.071 ug/L
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VX018775.D
 Acq: 05 Oct 2020 19:11

Tgt Ion:	91	Resp:	6174564
Ion	Ratio	Lower	Upper
91	100		
92	61.0	40.3	74.9





#53

Chlorobenzene

Concen: 0.234 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018775.D

Acq: 05 Oct 2020 19:11

Instrument :

MSVOA_X

ClientSampled :

BG3N6DL

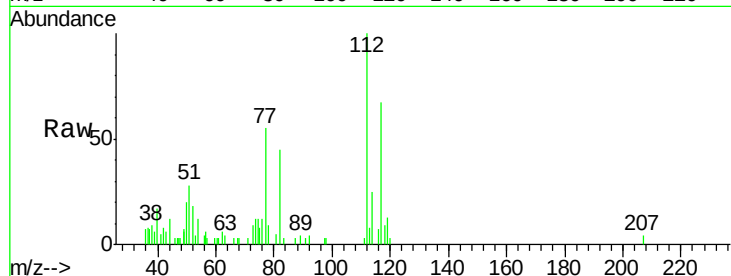
Tot Ion:112 Resp: 2512

Ion Ratio Lower Upper

112 100

114 24.7 21.3 39.5

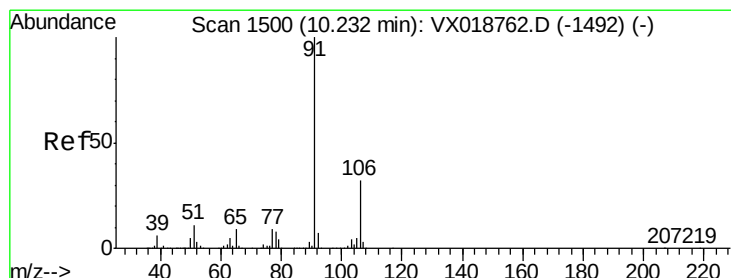
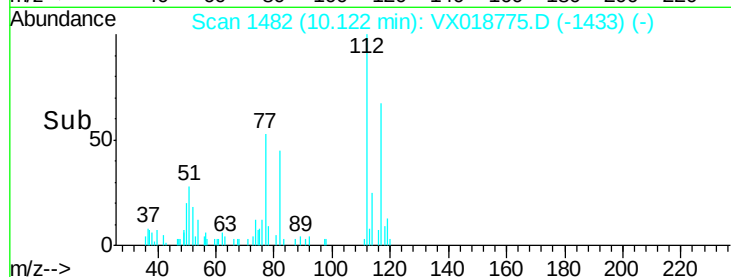
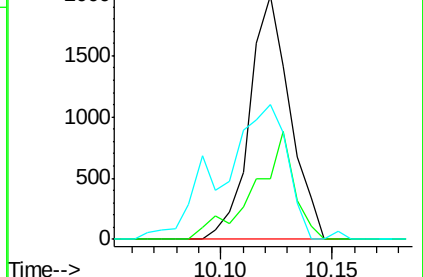
77 55.2 42.4 63.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 2.820 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018775.D

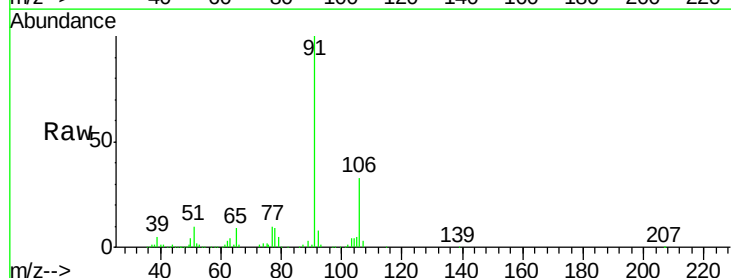
Acq: 05 Oct 2020 19:11

Tgt Ion: 91 Resp: 49661

Ion Ratio Lower Upper

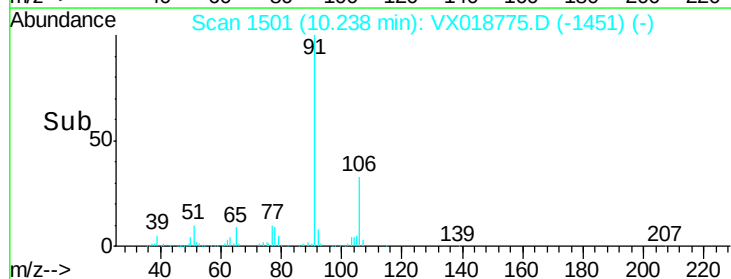
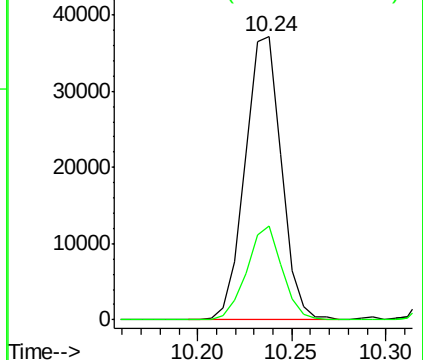
91 100

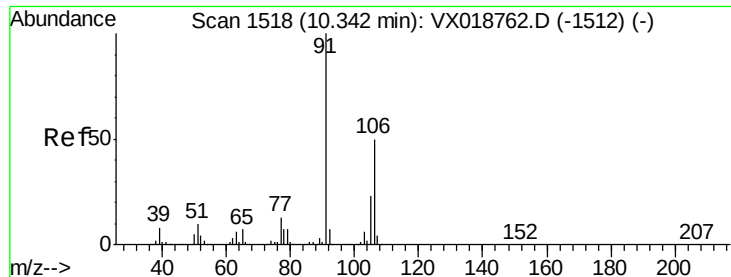
106 33.0 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 10.429 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018775.D

Acq: 05 Oct 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

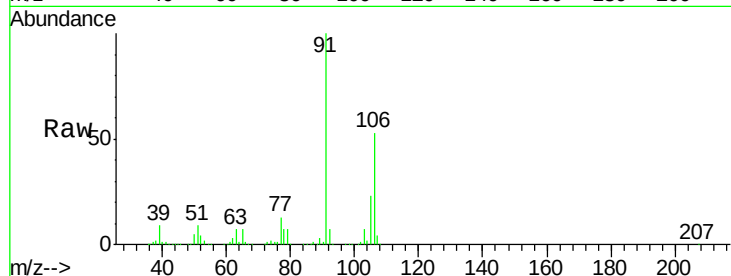
BG3N6DL

Tot Ion:106 Resp: 71637

Ion Ratio Lower Upper

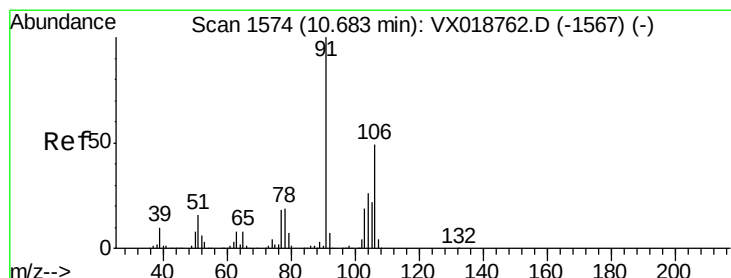
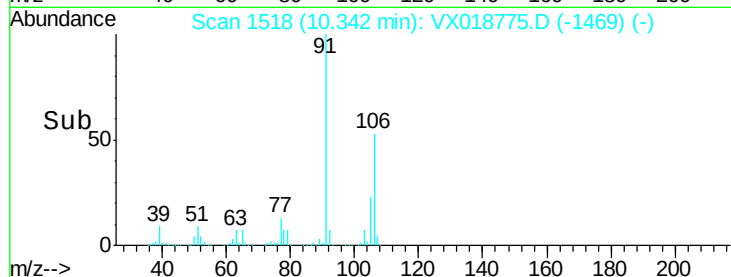
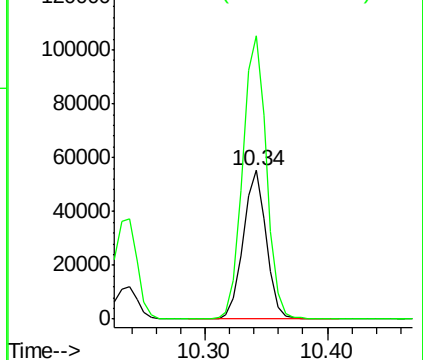
106 100

91 190.3 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 7.552 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018775.D

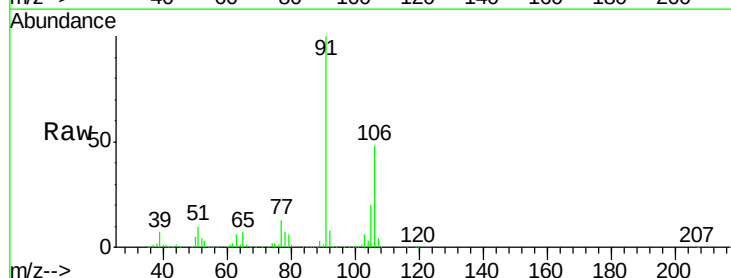
Acq: 05 Oct 2020 19:11

Tgt Ion:106 Resp: 47934

Ion Ratio Lower Upper

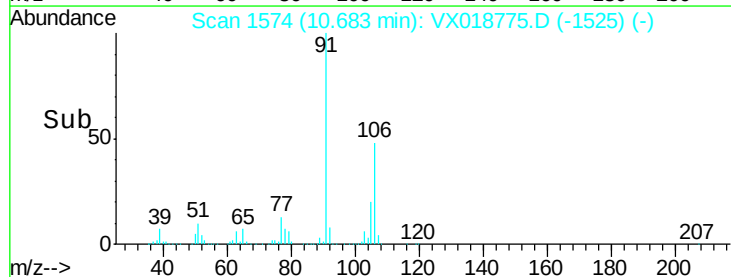
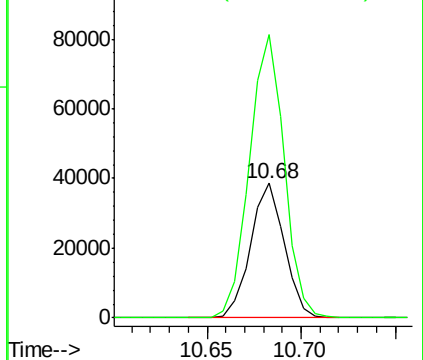
106 100

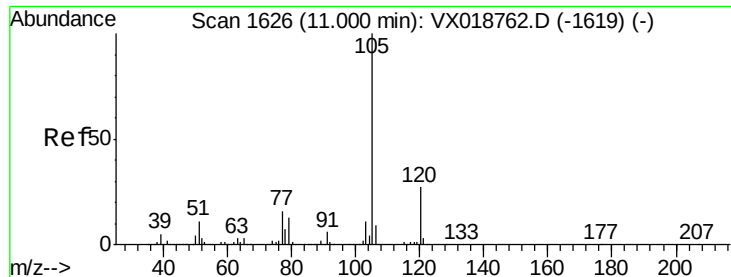
91 210.1 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.664 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018775.D

Acq: 05 Oct 2020 19:11

Instrument :

MSVOA_X

ClientSampleId :

BG3N6DL

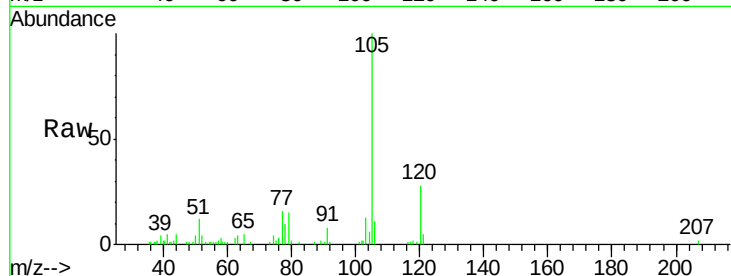
Tot Ion:105 Resp: 11797

Ion Ratio Lower Upper

105 100

120 27.6 20.2 30.2

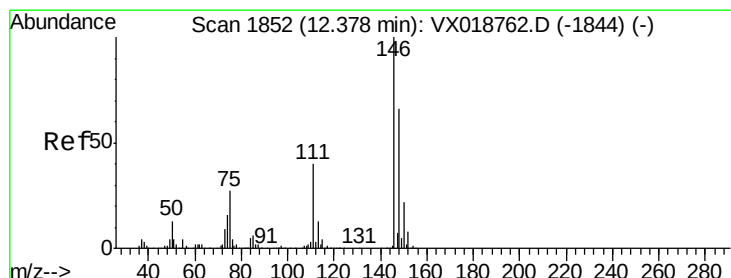
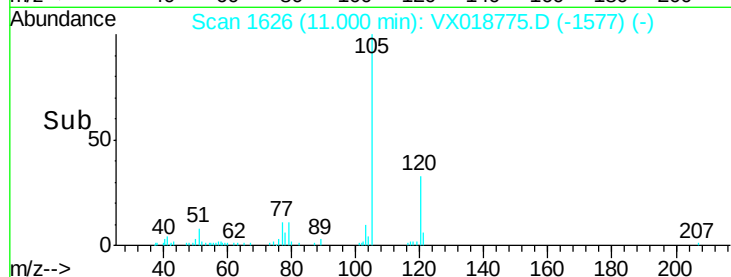
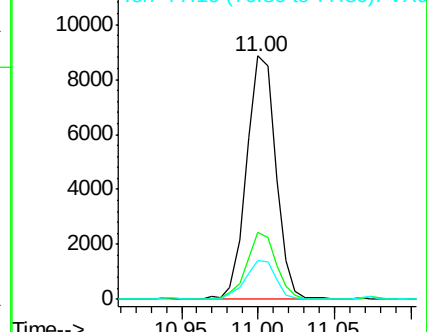
77 16.5 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#66

1,2-Dichlorobenzene

Concen: 0.232 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018775.D

Acq: 05 Oct 2020 19:11

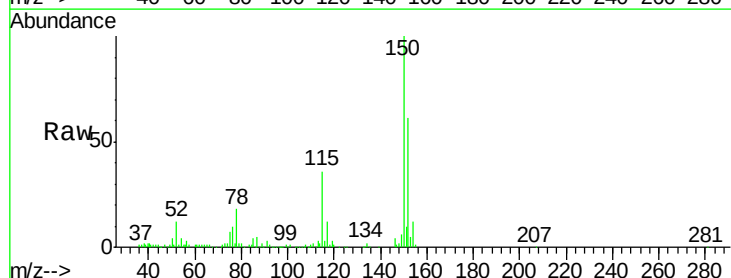
Tgt Ion:146 Resp: 1809

Ion Ratio Lower Upper

146 100

111 51.5 31.7 47.5#

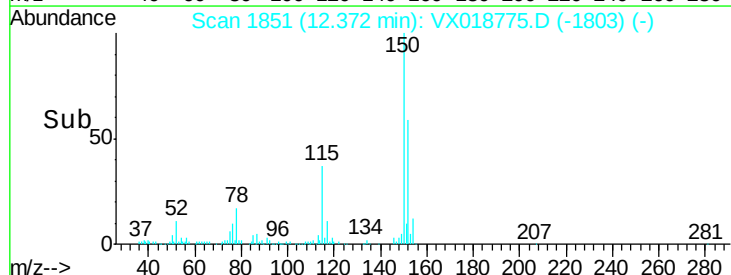
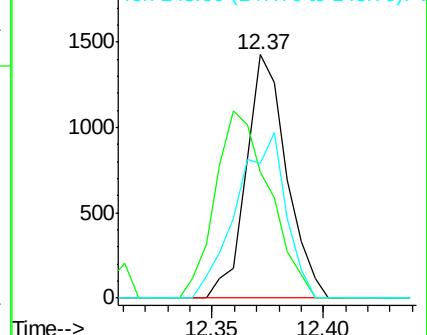
148 55.3 49.0 73.6

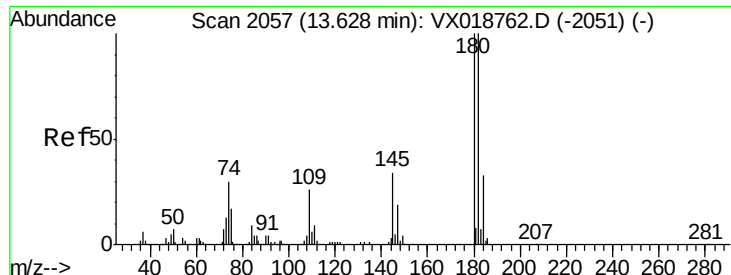


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

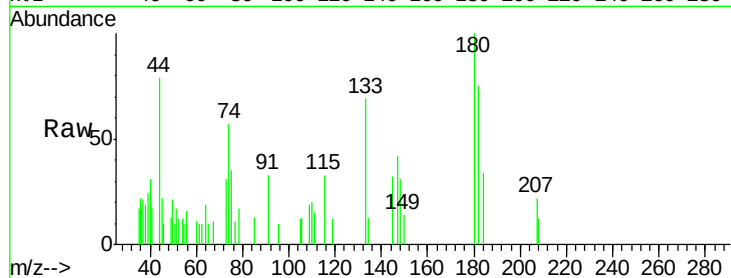




#69
 1,2,4-trichlorobenzene
 Concen: 0.125 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018775.D
 Acq: 05 Oct 2020 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N6DL

Tot Ion:180 Resp: 666
 Ion Ratio Lower Upper
 180 100
 182 105.7 80.2 120.4
 145 40.1 25.2 37.8#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

