

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100620\
 Data File : VX018806.D
 Acq On : 06 Oct 2020 18:05
 Operator : JC/SP
 Sample : L4239-05DL2 400X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N5DL2

Quant Time: Oct 07 01:34:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 07 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	113318	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	111274	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	54721	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	31842	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.70	69	30147	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.40%
11) 1,1-Dichloroethene-d2	2.34	63	56431	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	4.55	46	121889	70.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.40%#
24) Chloroform-d	5.14	84	87479	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	6.03	65	51037	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	6.04	84	154907	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.00%
36) 1,2-Dichloropropane-d6	7.37	67	46388	5.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.00%
41) Toluene-d8	8.70	98	132130	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
45) trans-1,3-Dichloropropene-	8.99	79	20930	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
48) 2-Hexanone-d5	9.43	63	97316	67.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.02%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	38886	5.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	58749	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	510	0.083	ug/L #	1
12) 1,1-Dichloroethene	2.34	96	1019	0.181	ug/L #	1
15) Methyl Acetate	2.75	43	270	0.116	ug/L #	62
16) Methylene chloride	2.84	84	1662	0.243	ug/L	93
19) 1,1-Dichloroethane	3.67	63	3428	0.319	ug/L #	96
22) cis-1,2-Dichloroethene	4.56	96	23250	3.730	ug/L #	97
29) 1,1,1-Trichloroethane	5.46	97	36241	2.753	ug/L	98
30) Cyclohexane	5.53	56	2486	0.272	ug/L #	22
35) Methylcyclohexane	7.37	83	12629	1.295	ug/L #	22
37) 1,2-Dichloropropane	7.37	63	5885	1.008	ug/L #	83
39) cis-1,3-Dichloropropene	8.37	75	1652	0.177	ug/L #	61
42) Toluene	8.76	91	234585	9.200	ug/L	98
43) 1,3,5-Trimethylbenzene	11.49	105	37897	1.570	ug/L	95
44) 1,2,4-Trimethylbenzene	11.79	105	138780	5.666	ug/L	97
50) 2-Hexanone	9.43	43	12827	5.222	ug/L #	73
54) Ethylbenzene	10.24	91	21754	0.761	ug/L	99
55) m,p-xylene	10.34	106	31337	2.811	ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 07 01:30:09 2020
Response via : Initial Calibration

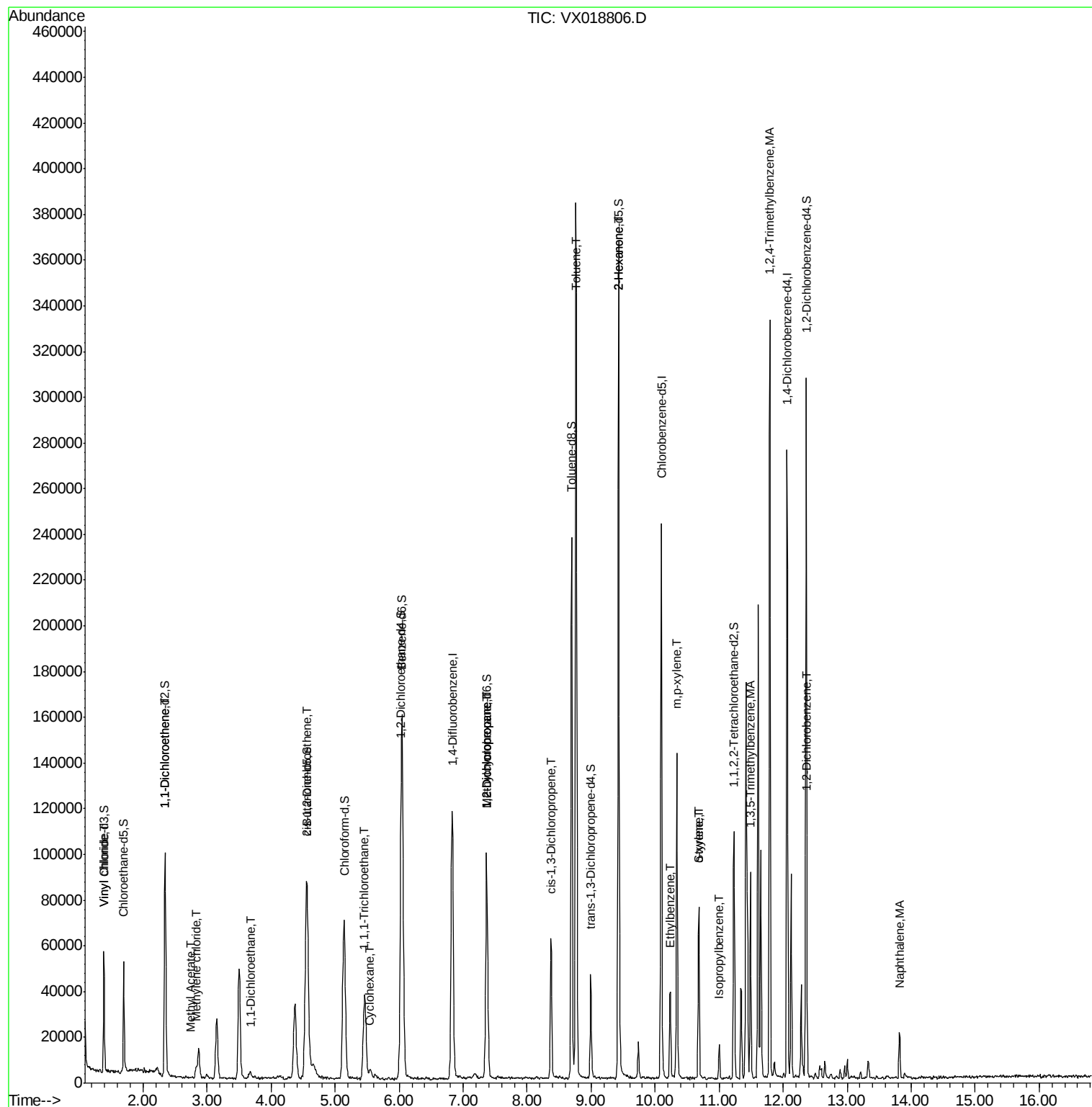
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) o-xylene	10.68	106	15673	1.521	ug/L	87
57) Styrene	10.68	104	938	0.053	ug/L #	1
58) Isopropylbenzene	11.00	105	6909	0.240	ug/L	98
66) 1,2-Dichlorobenzene	12.38	146	984	0.079	ug/L #	14
70) Naphthalene	13.82	128	12121	0.873	ug/L #	96

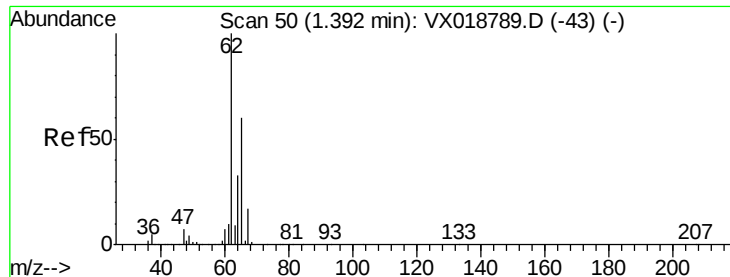
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100620\
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#5

Vinyl chloride

Concen: 0.083 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

Instrument :

MSVOA_X

ClientSampleId :

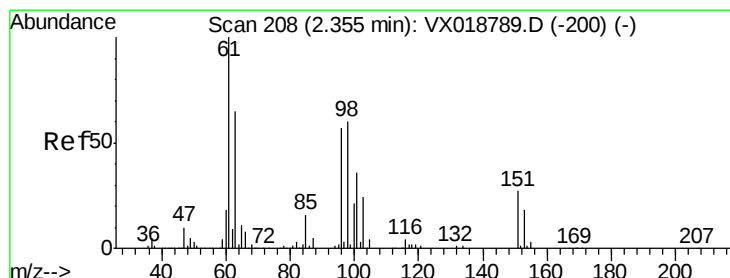
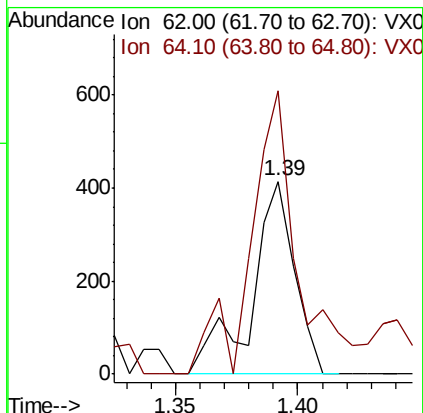
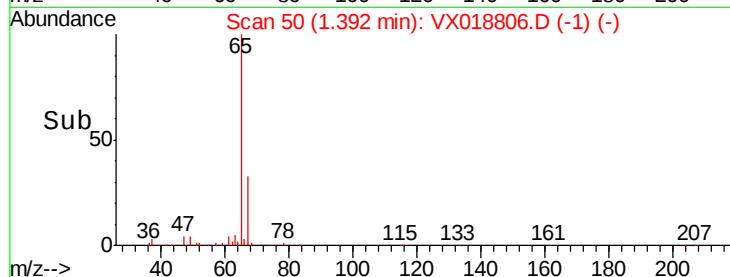
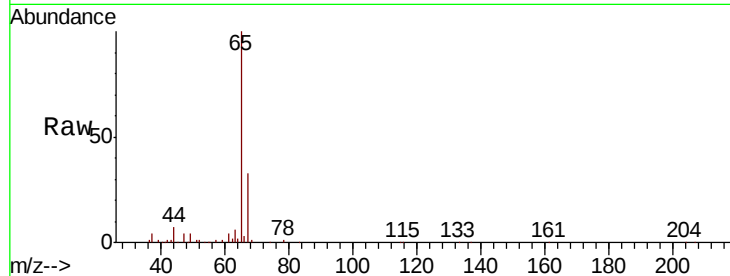
BG3N5DL2

Tot Ion: 62 Resp: 510

Ion Ratio Lower Upper

62 100

64 146.9 24.3 45.1#



#12

1,1-Dichloroethene

Concen: 0.181 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.02 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

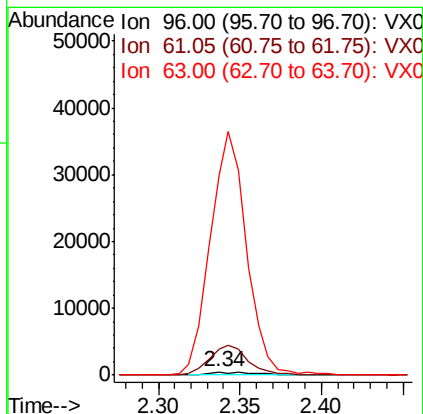
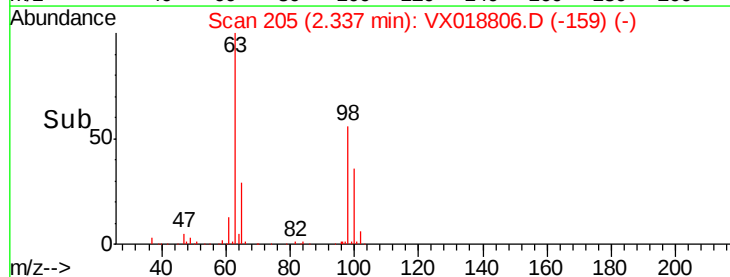
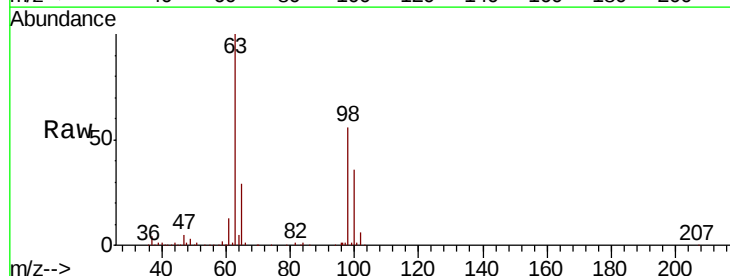
Tgt Ion: 96 Resp: 1019

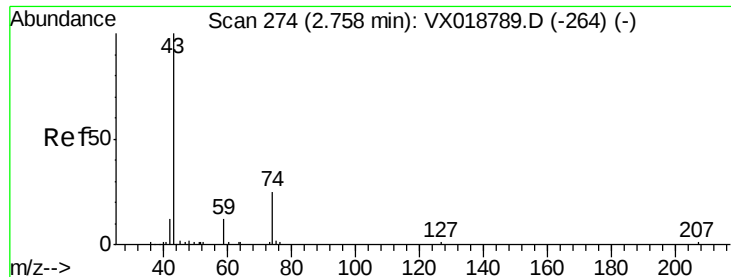
Ion Ratio Lower Upper

96 100

61 866.7 133.2 247.4#

63 6579.7 115.1 213.7#

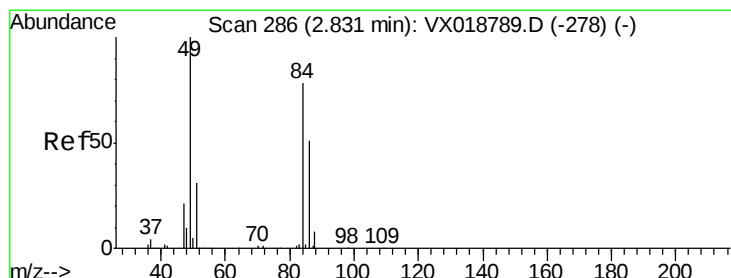
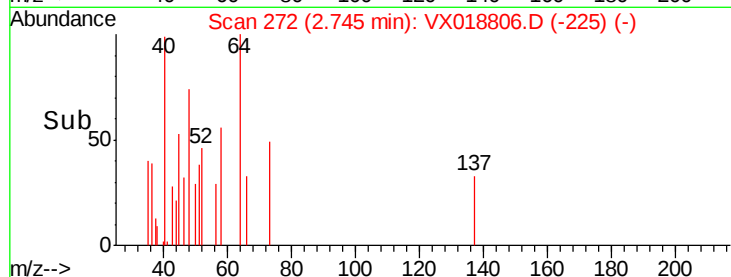
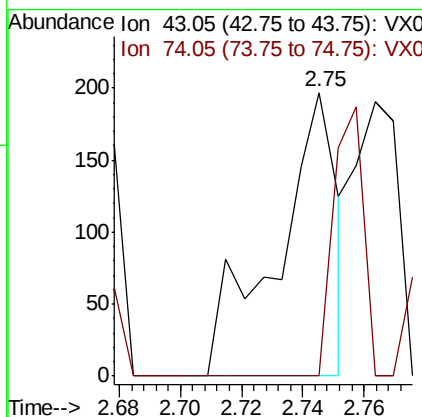
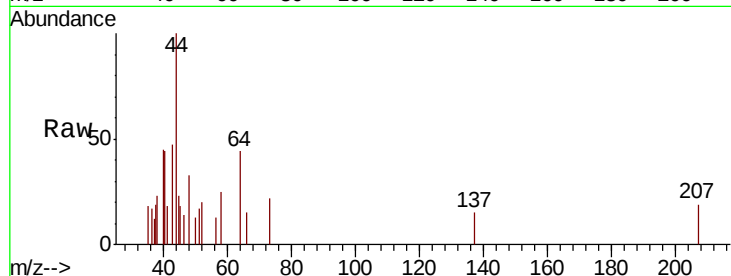




#15
Methyl Acetate
Concen: 0.116 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018806.D
Acq: 06 Oct 2020 18:05

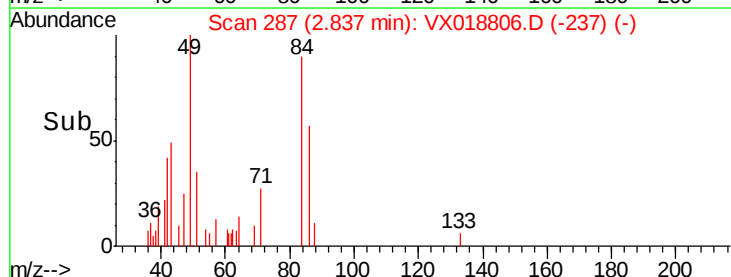
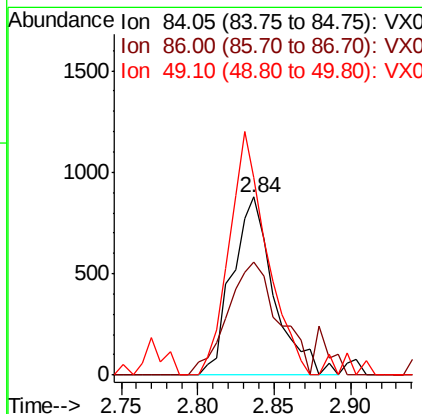
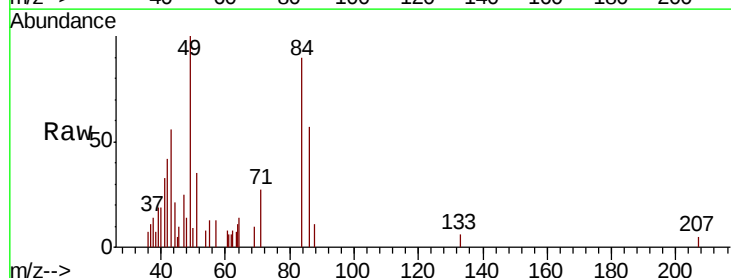
Instrument :
MSVOA_X
ClientSampled :
BG3N5DL2

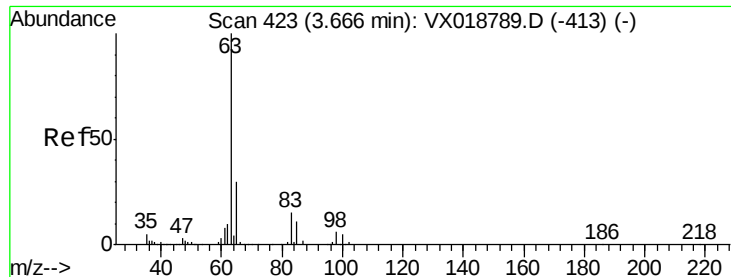
Tot Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
74 47.0 21.9 32.9#



#16
Methylene chloride
Concen: 0.243 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018806.D
Acq: 06 Oct 2020 18:05

Tgt Ion: 84 Resp: 1662
Ion Ratio Lower Upper
84 100
86 63.8 45.6 84.8
49 111.2 85.8 159.3





#19

1,1-Dichloroethane

Concen: 0.319 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

Instrument :

MSVOA_X

ClientSampleId :

BG3N5DL2

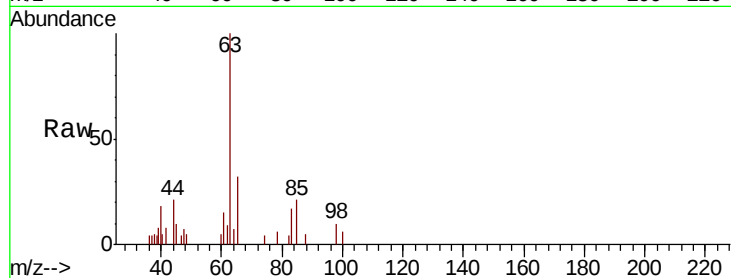
Tot Ion: 63 Resp: 3428

Ion Ratio Lower Upper

63 100

65 31.9 21.6 40.2

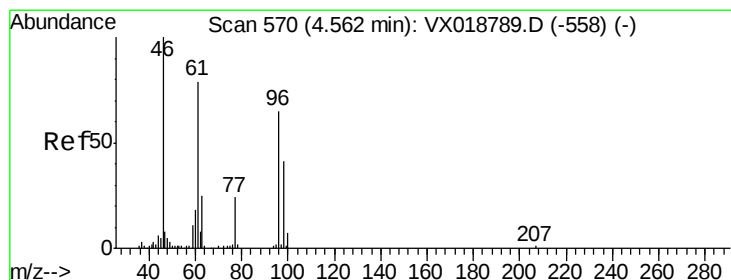
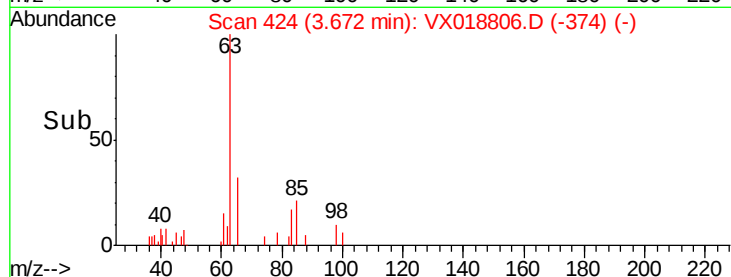
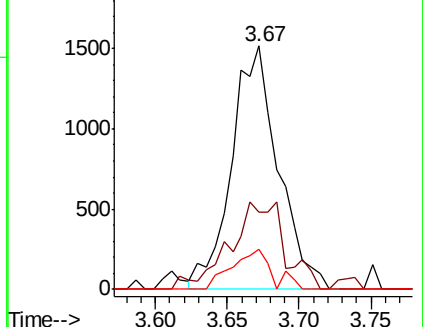
83 16.7 8.7 16.1#



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: 3.730 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

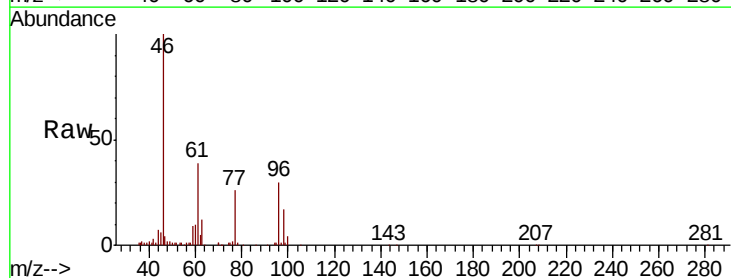
Tgt Ion: 96 Resp: 23250

Ion Ratio Lower Upper

96 100

61 126.8 86.2 160.0

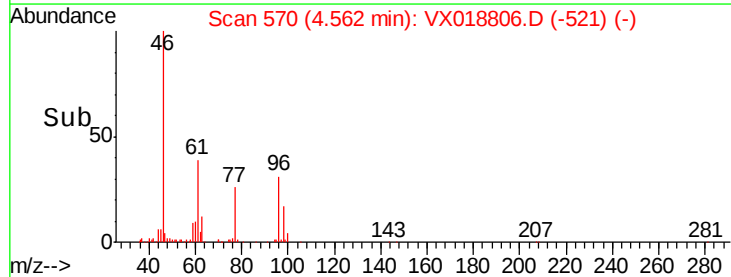
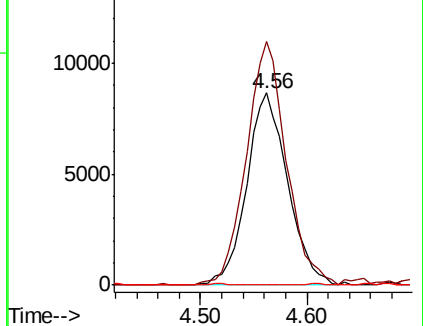
68 0.0 0.3 0.7#

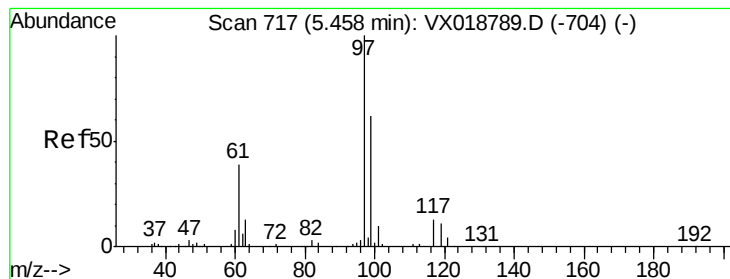


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0





#29

1,1,1-Trichloroethane

Concen: 2.753 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

Instrument :

MSVOA_X

ClientSampled :

BG3N5DL2

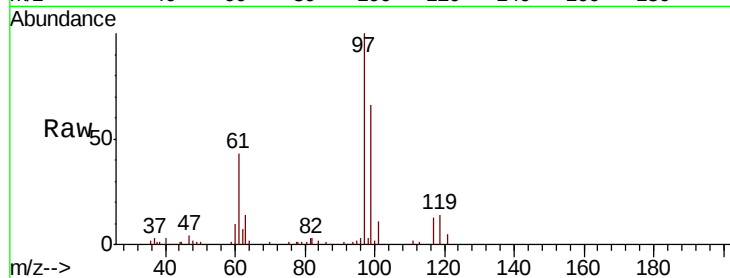
Tot Ion: 97 Resp: 36241

Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

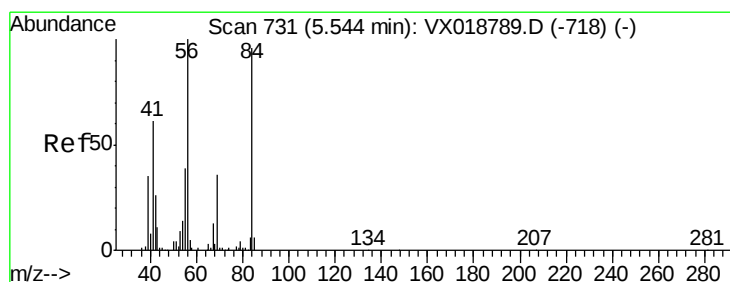
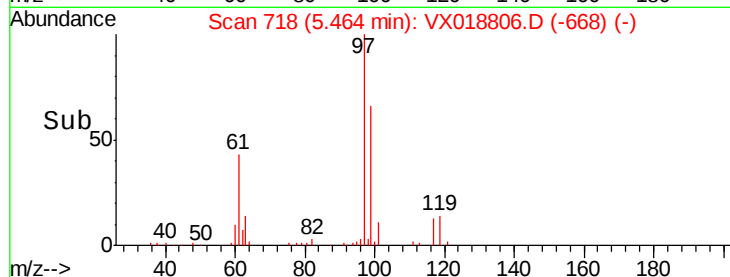
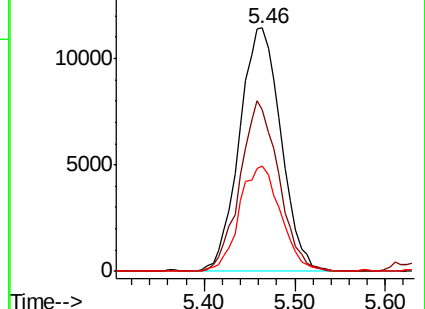
61 43.2 33.3 49.9



Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0



#30

Cyclohexane

Concen: 0.272 ug/L

RT: 5.53 min Scan# 729

Delta R.T. -0.01 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

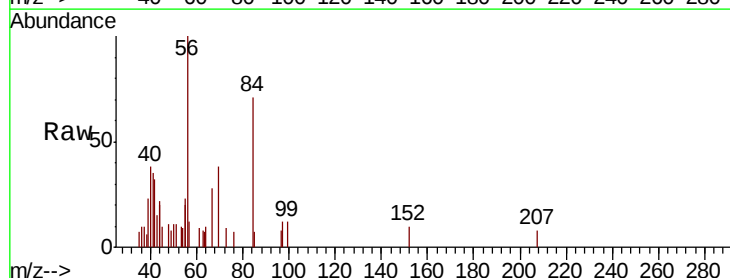
Tgt Ion: 56 Resp: 2486

Ion Ratio Lower Upper

56 100

69 19.1 26.0 39.0#

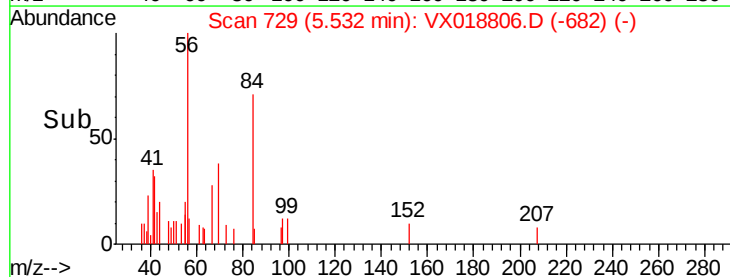
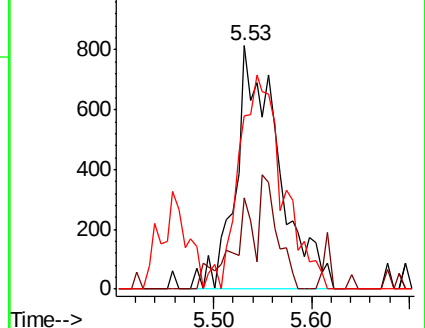
84 0.0 73.8 110.6#

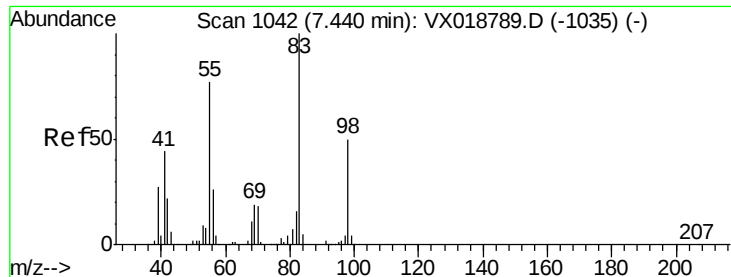


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0

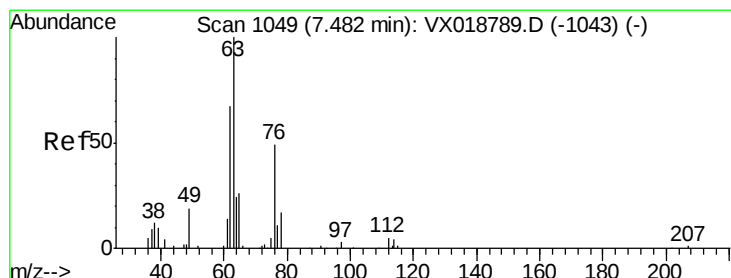
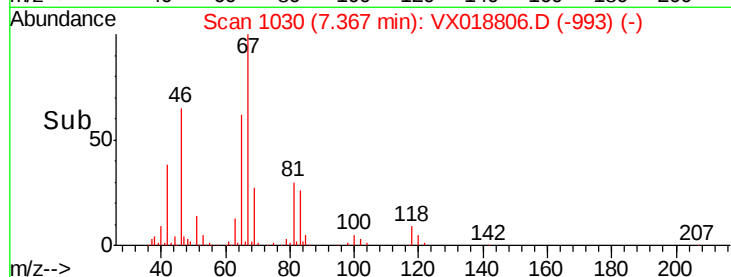
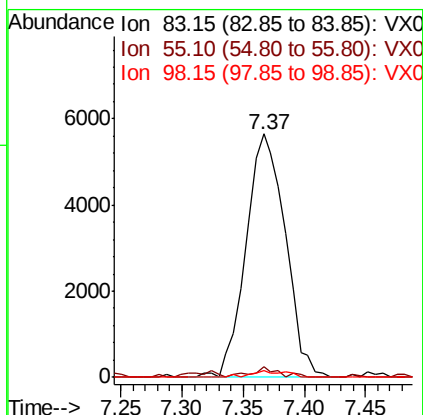
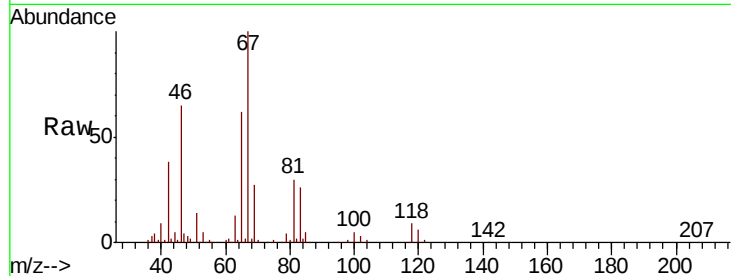




#35
Methvlcvclohexane
Concen: 1.295 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.07 min
Lab File: VX018806.D
Acq: 06 Oct 2020 18:05

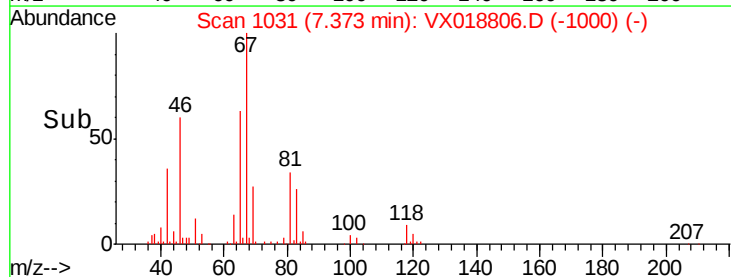
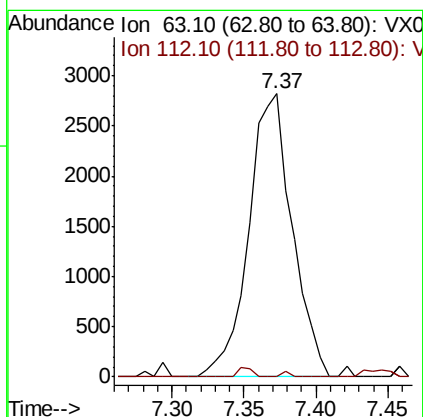
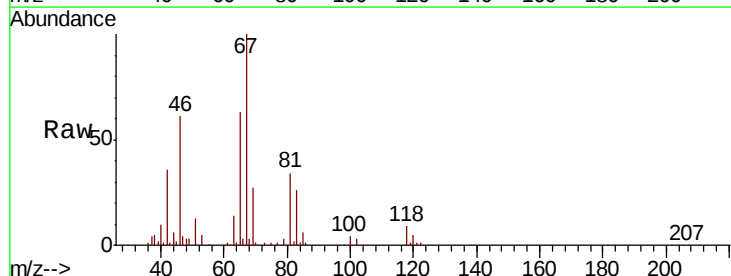
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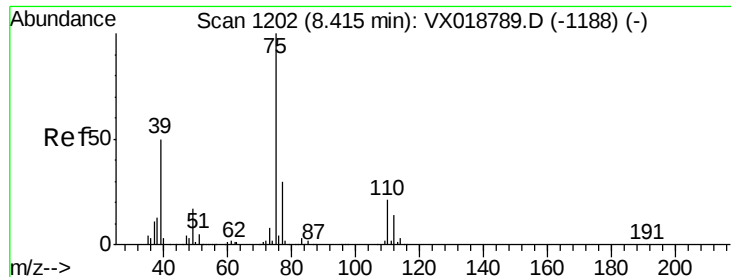
Tot Ion: 83 Resp: 12629
Ion Ratio Lower Upper
83 100
55 2.9 60.3 90.5#
98 2.4 39.4 59.0#



#37
1,2-Dichloropropane
Concen: 1.008 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VX018806.D
Acq: 06 Oct 2020 18:05

Tgt Ion: 63 Resp: 5885
Ion Ratio Lower Upper
63 100
112 0.3 4.7 7.1#



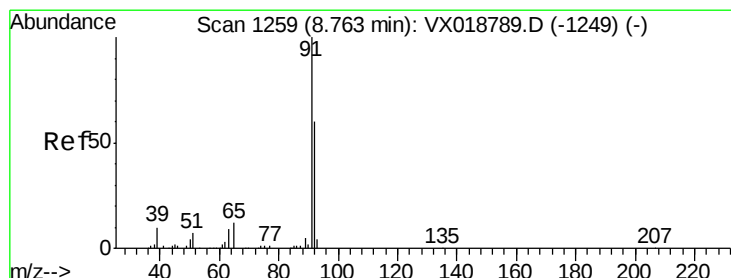
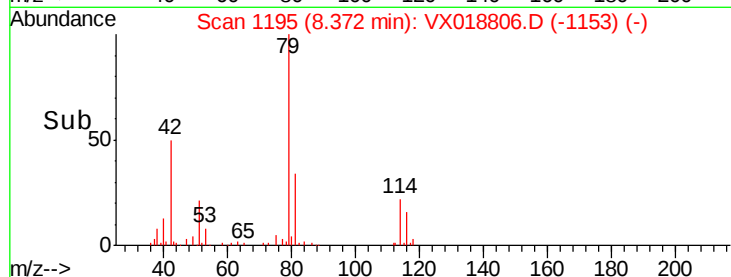
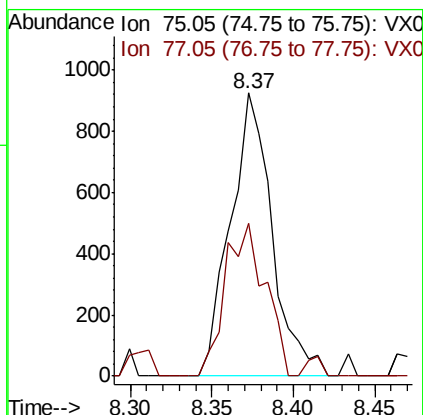
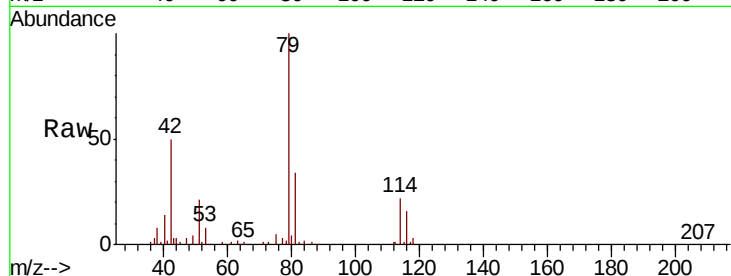


#39

cis-1,3-Dichloropropene
 Concen: 0.177 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX018806.D
 Acq: 06 Oct 2020 18:05

Instrument :
 MSVOA_X
 ClientSampleID :
 BG3N5DL2

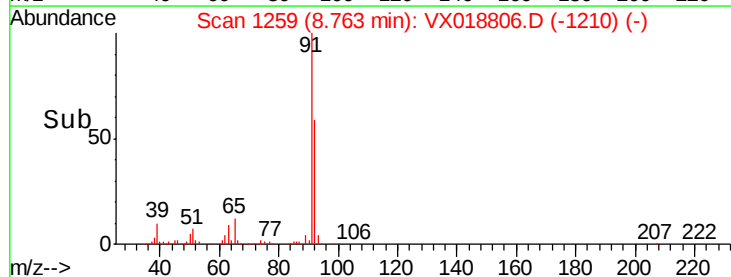
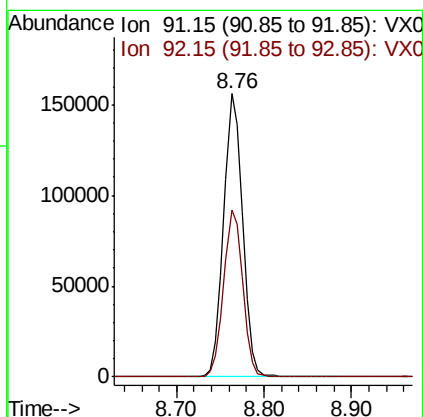
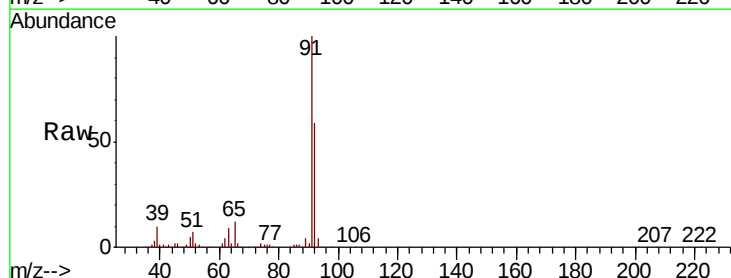
Tot Ion: 75 Resp: 1652
 Ion Ratio Lower Upper
 75 100
 77 54.1 22.5 41.7#

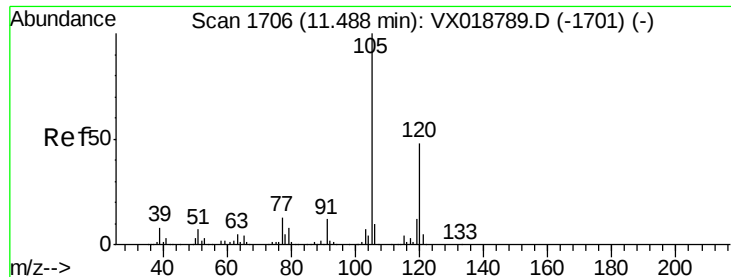


#42

Toluene
 Concen: 9.200 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VX018806.D
 Acq: 06 Oct 2020 18:05

Tgt Ion: 91 Resp: 234585
 Ion Ratio Lower Upper
 91 100
 92 58.8 40.3 74.9

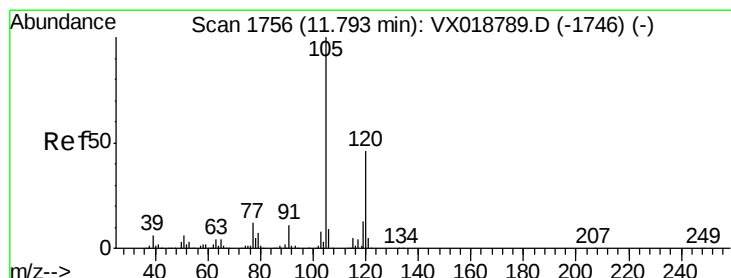
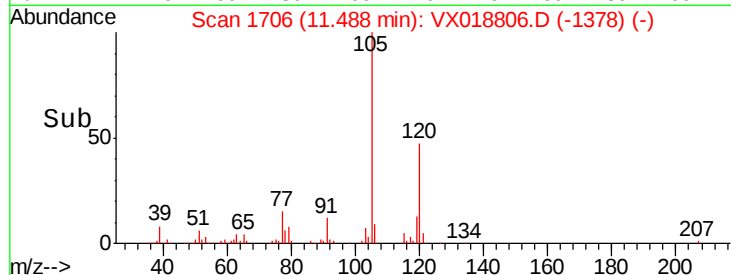
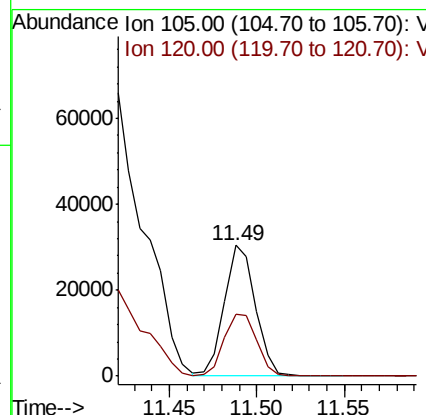
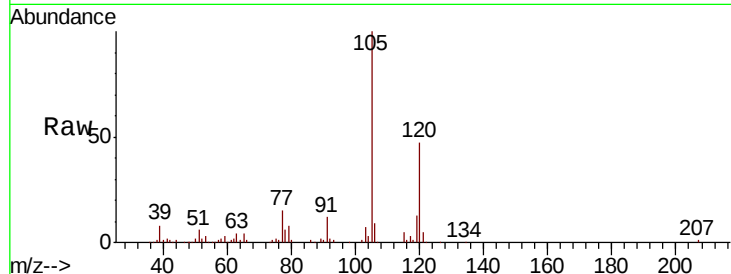




#43
 1,3,5-Trimethylbenzene
 Concen: 1.570 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX018806.D
 Acq: 06 Oct 2020 18:05

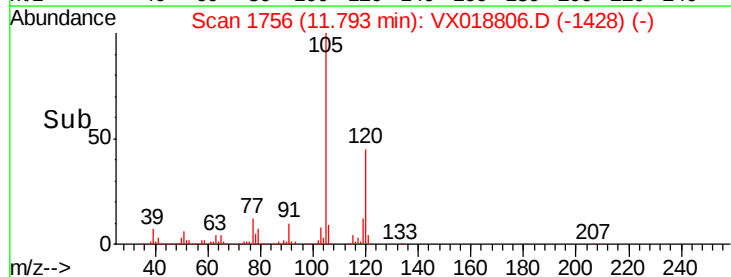
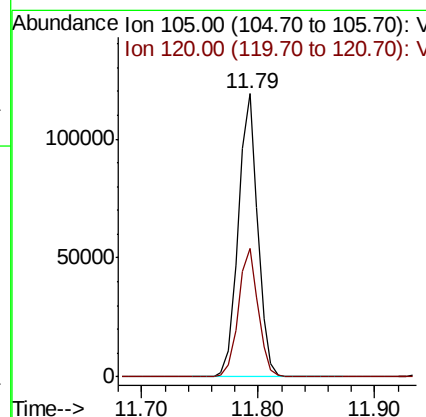
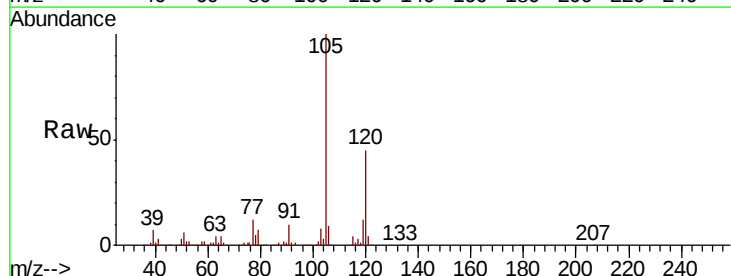
Instrument :
 MSVOA_X
 ClientSampled :
 BG3N5DL2

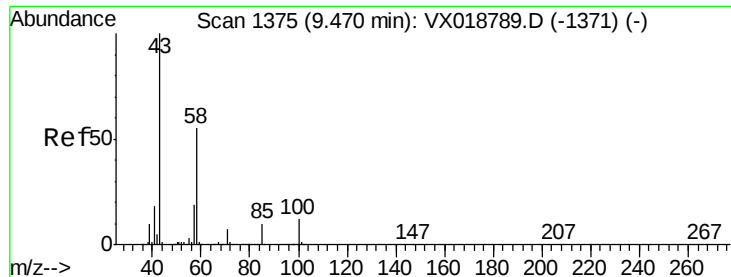
Tot Ion:105 Resp: 37897
 Ion Ratio Lower Upper
 105 100
 120 50.2 37.7 56.5



#44
 1,2,4-Trimethylbenzene
 Concen: 5.666 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018806.D
 Acq: 06 Oct 2020 18:05

Tgt Ion:105 Resp: 138780
 Ion Ratio Lower Upper
 105 100
 120 45.9 35.1 52.7

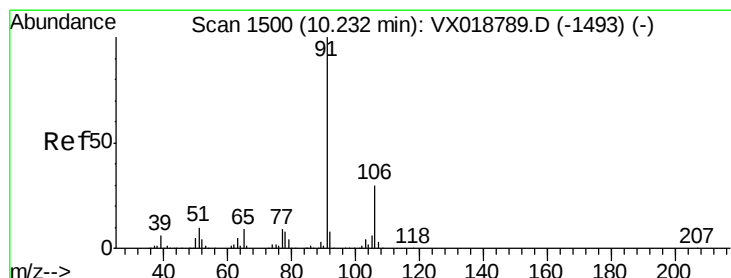
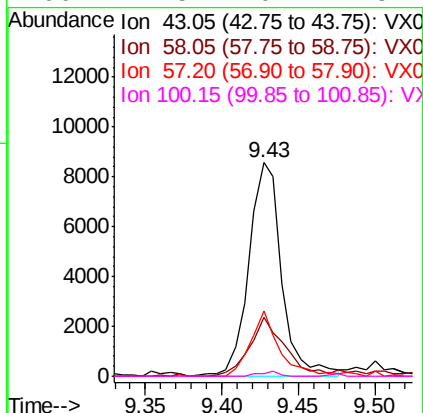
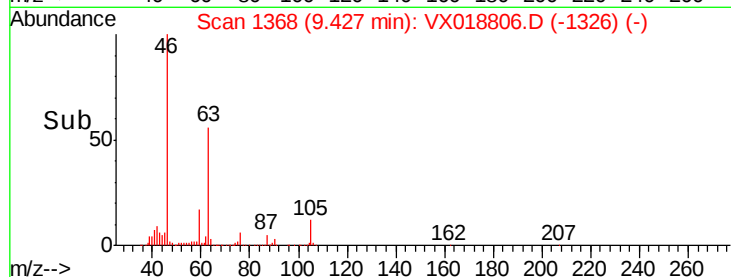
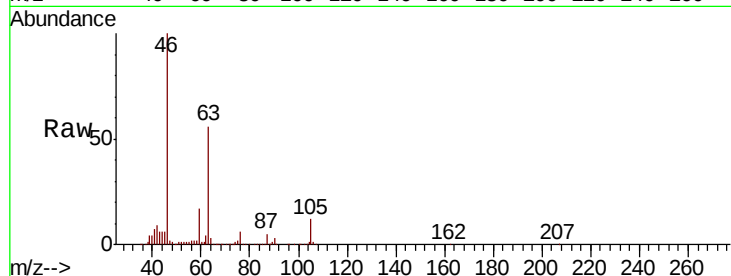




#50
2-Hexanone
Concen: 5.222 ug/L
RT: 9.43 min Scan# 1368
Delta R.T. -0.04 min
Lab File: VX018806.D
Acq: 06 Oct 2020 18:05

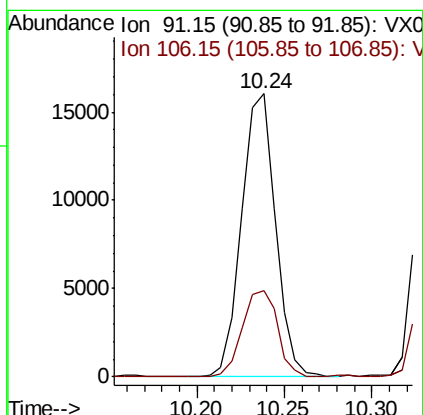
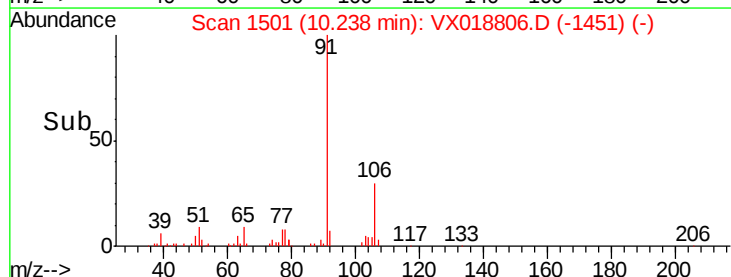
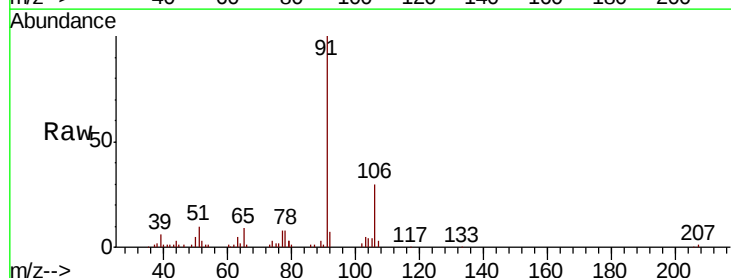
Instrument :
MSVOA_X
ClientSampleId :
BG3N5DL2

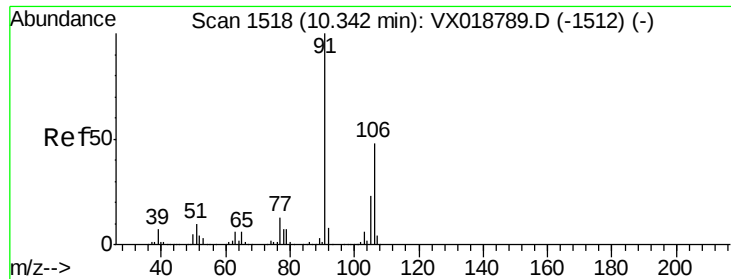
Tot Ion	Ratio	Lower	Upper
43	100		
58	29.3	41.0	61.4#
57	27.6	15.9	23.9#
100	1.5	10.1	15.1#



#54
Ethylbenzene
Concen: 0.761 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX018806.D
Acq: 06 Oct 2020 18:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	21.5	39.9





#55

m,p-xylene

Concen: 2.811 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

Instrument :

MSVOA_X

ClientSampleId :

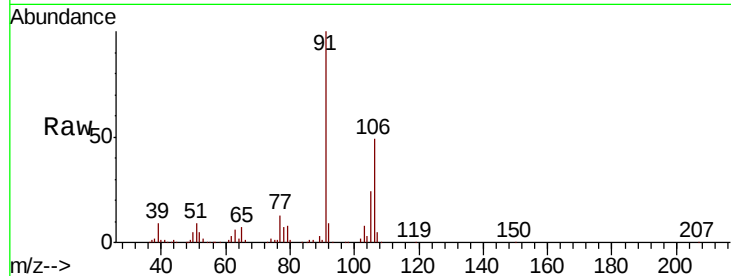
BG3N5DL2

Tot Ion:106 Resp: 31337

Ion Ratio Lower Upper

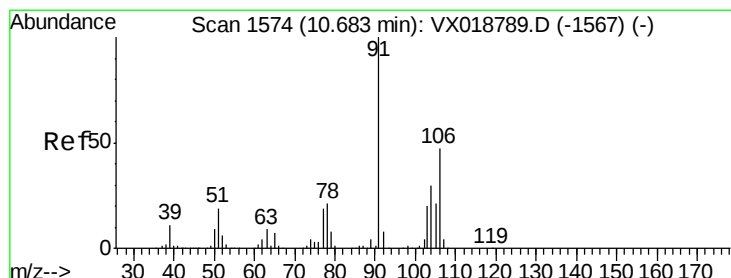
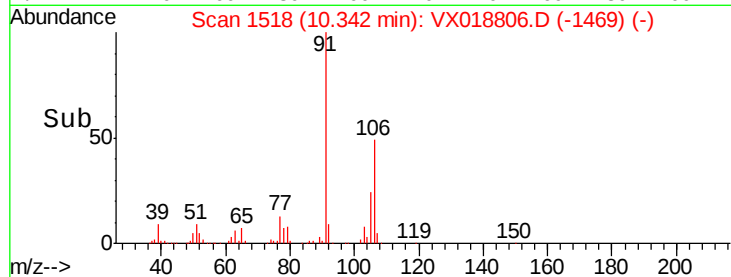
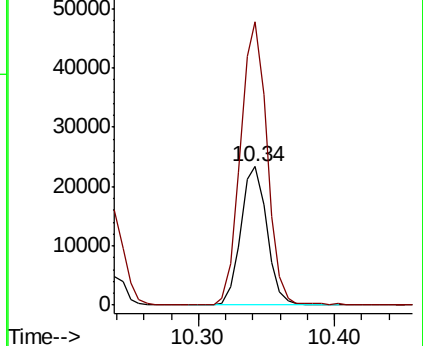
106 100

91 204.2 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 1.521 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018806.D

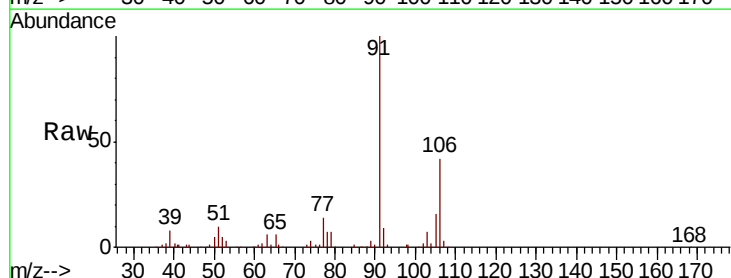
Acq: 06 Oct 2020 18:05

Tgt Ion:106 Resp: 15673

Ion Ratio Lower Upper

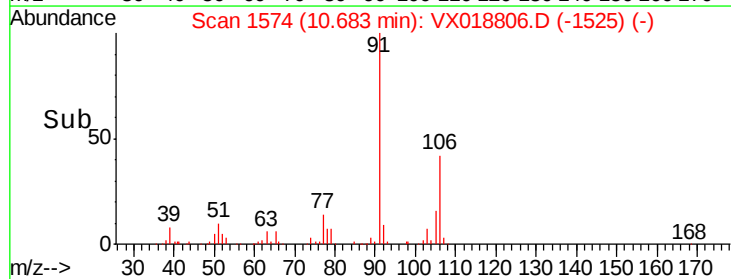
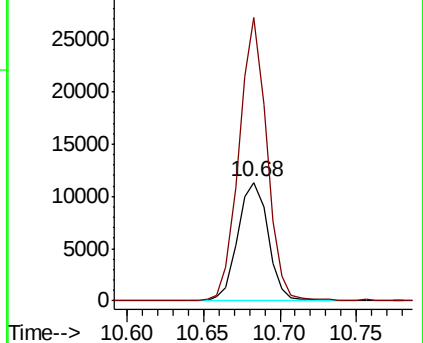
106 100

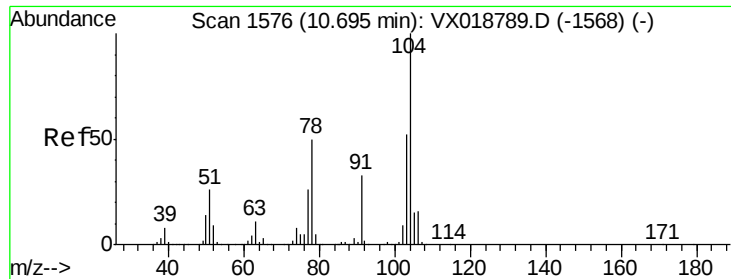
91 239.3 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

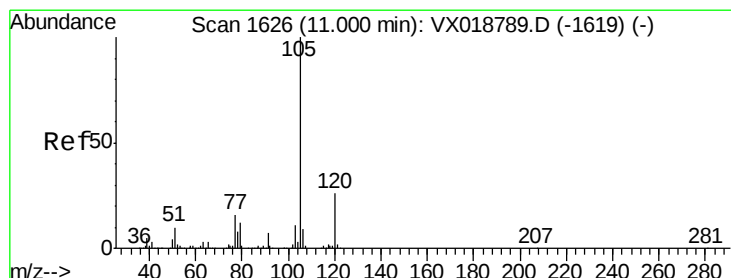
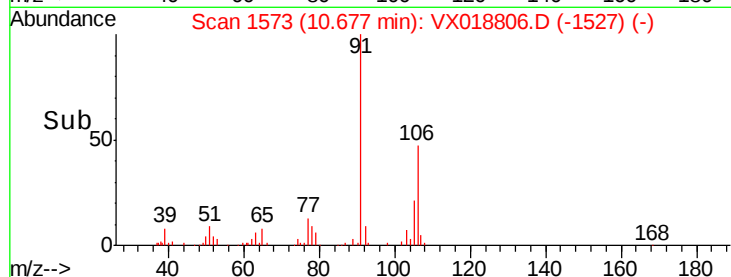
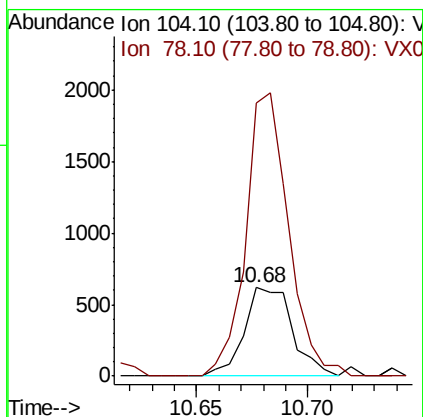
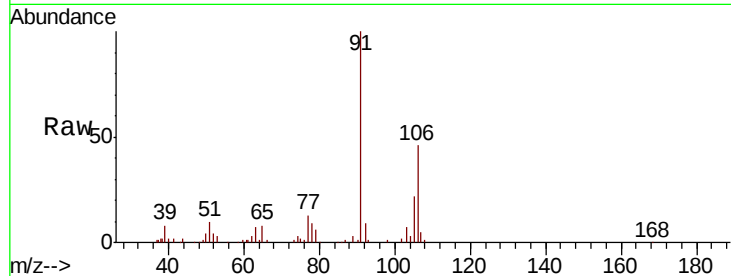




#57
Stvrene
Concen: 0.053 ug/L
RT: 10.68 min Scan# 1573
Delta R.T. -0.02 min
Lab File: VX018806.D
Acq: 06 Oct 2020 18:05

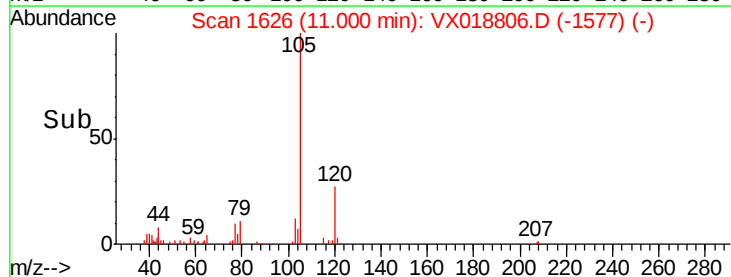
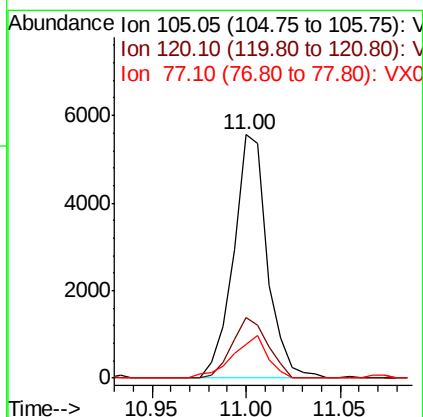
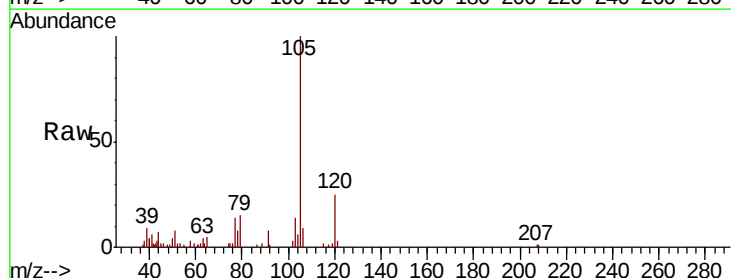
Instrument :
MSVOA_X
ClientSampleId :
BG3N5DL2

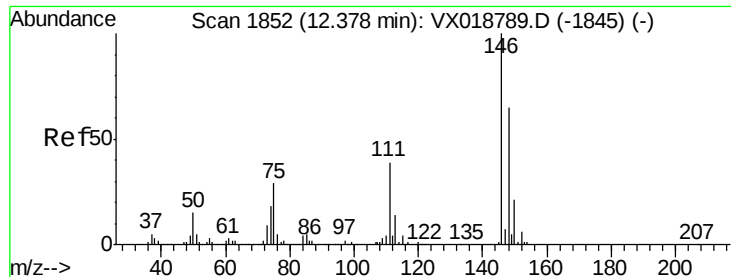
Tot Ion:104 Resp: 938
Ion Ratio Lower Upper
104 100
78 308.9 37.1 68.9#



#58
Isopropylbenzene
Concen: 0.240 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018806.D
Acq: 06 Oct 2020 18:05

Tgt Ion:105 Resp: 6909
Ion Ratio Lower Upper
105 100
120 26.0 20.2 30.2
77 17.6 13.3 19.9





#66

1,2-Dichlorobenzene

Concen: 0.079 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

Instrument :

MSVOA_X

ClientSampleId :

BG3N5DL2

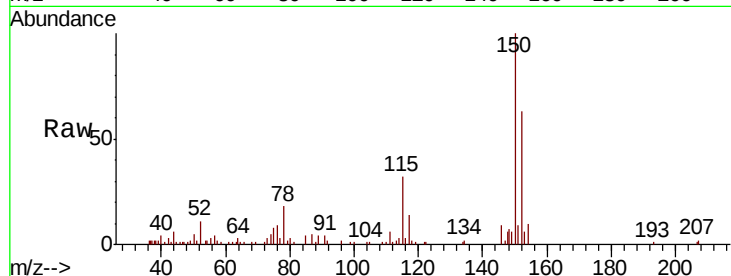
Tot Ion:146 Resp: 984

Ion Ratio Lower Upper

146 100

111 67.7 31.7 47.5#

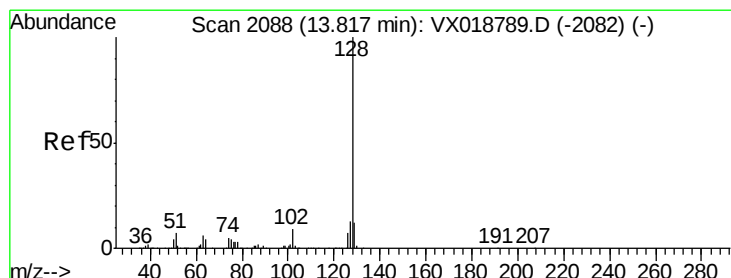
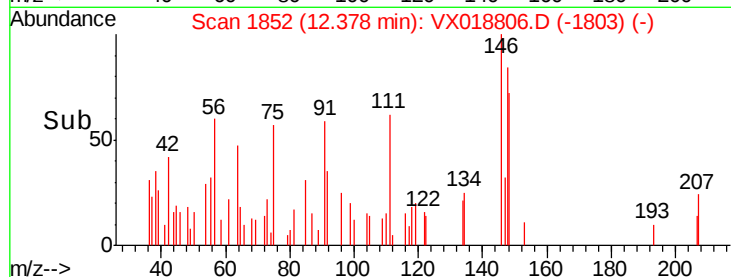
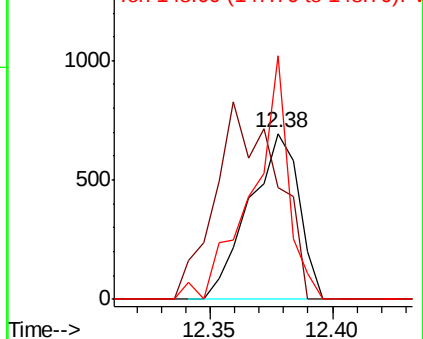
148 147.0 49.0 73.6#



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



#70

Naphthalene

Concen: 0.873 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018806.D

Acq: 06 Oct 2020 18:05

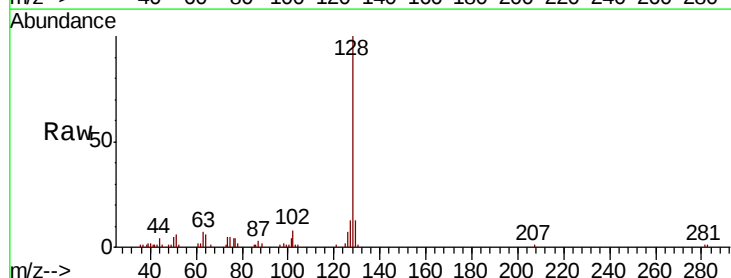
Tgt Ion:128 Resp: 12121

Ion Ratio Lower Upper

128 100

129 13.7 9.0 13.4#

127 12.5 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

