

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018770.D
 Acq On : 05 Oct 2020 17:03
 Operator : JC/SP
 Sample : L4239-05DL2 400X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N5DL2

Quant Time: Oct 06 01:46:08 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	144538	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	137630	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	67715	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45350	5.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.40%
7) Chloroethane-d5	1.70	69	39075	5.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.20%
11) 1,1-Dichloroethene-d2	2.34	63	79366	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	4.57	46	149250	67.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.78%#
24) Chloroform-d	5.14	84	110677	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	6.03	65	63348	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	6.05	84	208613	6.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.00%
36) 1,2-Dichloropropane-d6	7.37	67	63029	6.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.40%
41) Toluene-d8	8.70	98	187029	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
45) trans-1,3-Dichloropropene-	8.99	79	28846	5.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.40%
48) 2-Hexanone-d5	9.43	63	125763	70.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	141.08%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	50378	6.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.20%#
65) 1,2-Dichlorobenzene-d4	12.36	152	77633	6.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	124.40%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.34	96	1466	0.204	ug/L #	1
15) Methyl Acetate	2.87	43	15463	5.203	ug/L #	48
16) Methylene chloride	2.84	84	3536	0.405	ug/L	95
19) 1,1-Dichloroethane	3.67	63	4930	0.360	ug/L	90
22) cis-1,2-Dichloroethene	4.57	96	34239	4.306	ug/L #	93
29) 1,1,1-Trichloroethane	5.46	97	58552	3.596	ug/L	99
30) Cyclohexane	5.54	56	4211	0.373	ug/L #	85
35) Methylcyclohexane	7.37	83	16782	1.392	ug/L #	20
37) 1,2-Dichloropropane	7.37	63	7802	1.081	ug/L #	84
39) cis-1,3-Dichloropropene	8.37	75	2405	0.209	ug/L #	68
42) Toluene	8.76	91	378117	11.990	ug/L	98
43) 1,3,5-Trimethylbenzene	11.49	105	60687	2.033	ug/L	99
44) 1,2,4-Trimethylbenzene	11.79	105	213005	7.031	ug/L	98
50) 2-Hexanone	9.43	43	15671	5.158	ug/L #	71
54) Ethylbenzene	10.24	91	35860	1.014	ug/L	94
55) m,p-xylene	10.34	106	51736	3.752	ug/L	94
56) o-xylene	10.68	106	23879	1.874	ug/L	99

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QLast Update : Tue Oct 06 01:36:50 2020
Response via : Initial Calibration

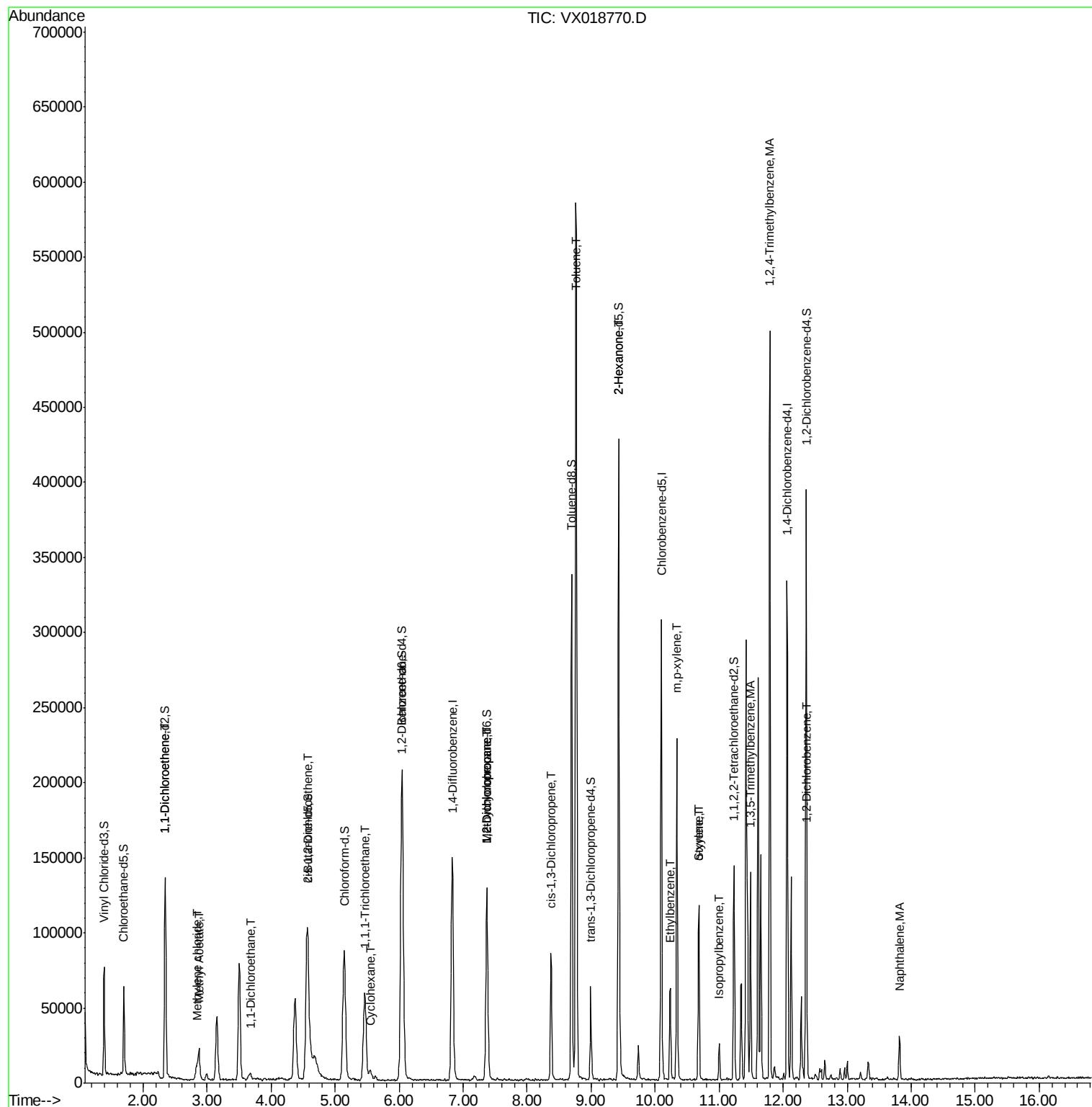
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) Styrene	10.68	104	1623	0.075	ug/L #	1
58) Isopropylbenzene	11.00	105	11669	0.327	ug/L	98
66) 1,2-Dichlorobenzene	12.38	146	1412	0.092	ug/L #	85
70) Naphthalene	13.82	128	17437	1.014	ug/L	99

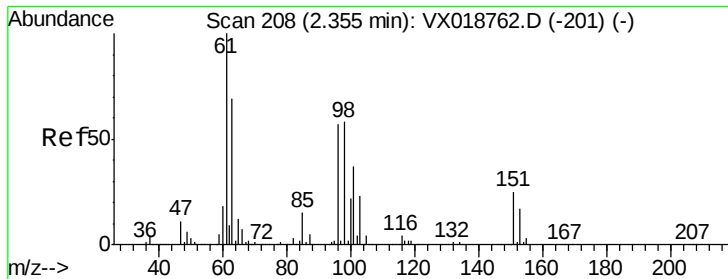
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100520\
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#12

1,1-Dichloroethene

Concen: 0.204 ug/L

RT: 2.34 min Scan# 205

Delta R.T. -0.02 min

Lab File: VX018770.D

Acq: 05 Oct 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

BG3N5DL2

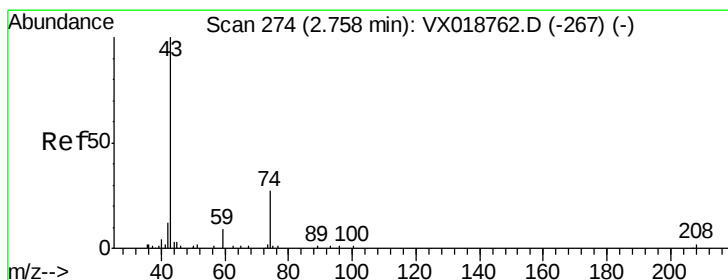
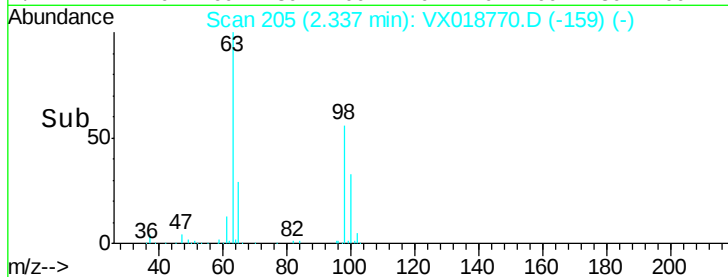
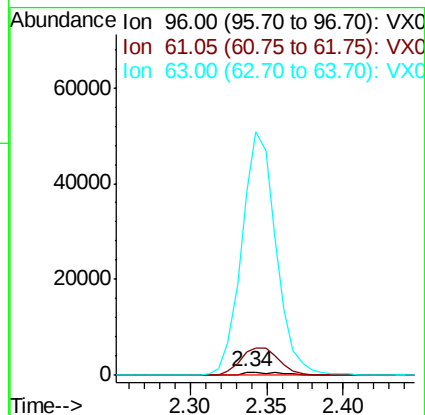
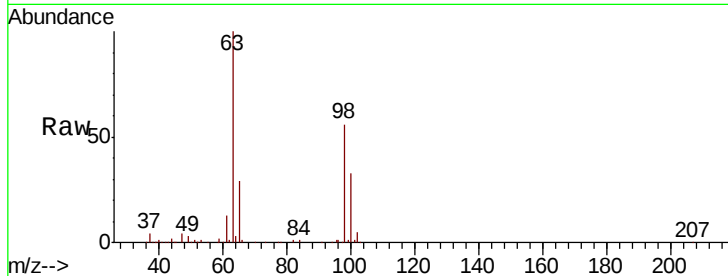
Tot Ion: 96 Resp: 1466

Ion Ratio Lower Upper

96 100

61 681.8 133.2 247.4#

63 5186.4 115.1 213.7#



#15

Methyl Acetate

Concen: 5.203 ug/L

RT: 2.87 min Scan# 293

Delta R.T. 0.12 min

Lab File: VX018770.D

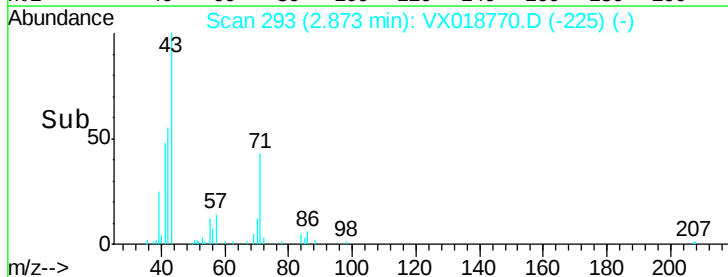
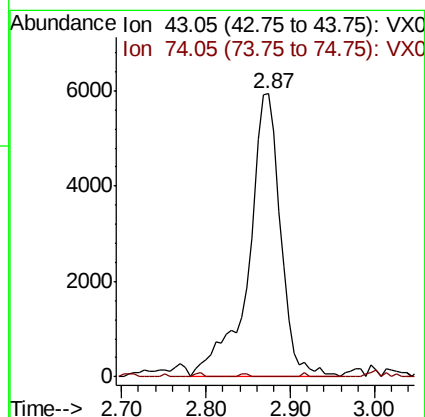
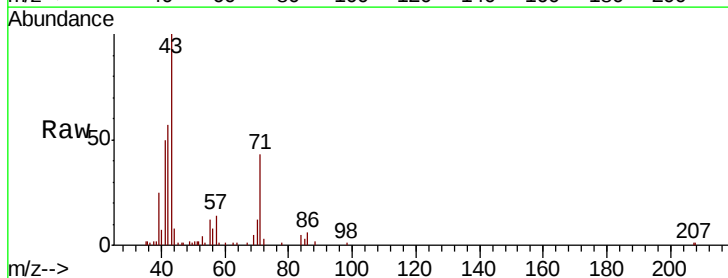
Acq: 05 Oct 2020 17:03

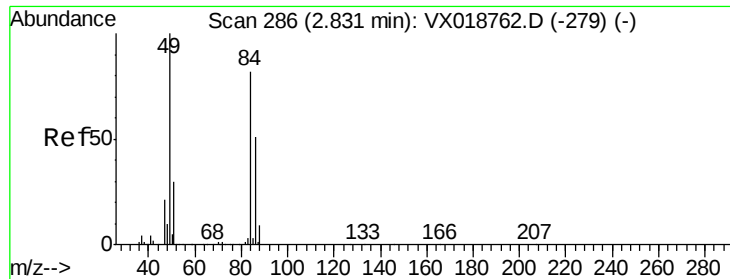
Tgt Ion: 43 Resp: 15463

Ion Ratio Lower Upper

43 100

74 0.3 21.9 32.9#

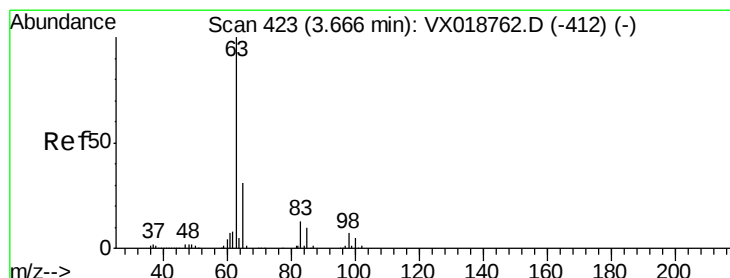
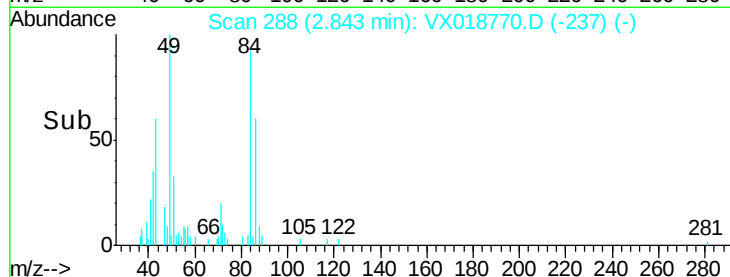
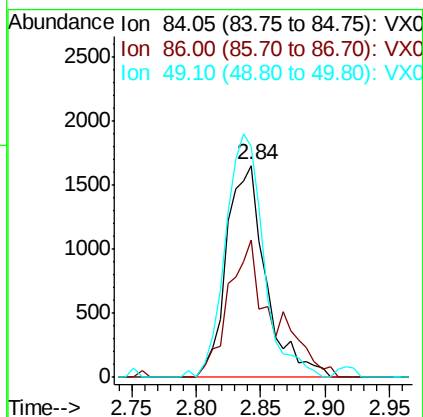
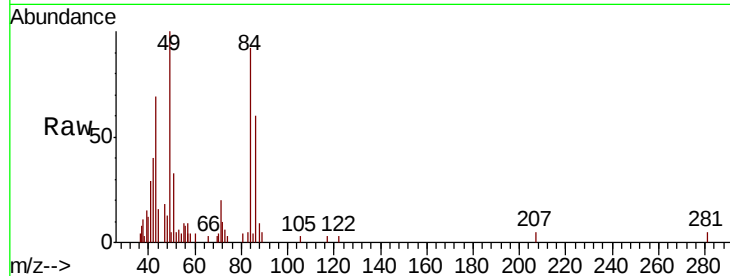




#16
Methylene chloride
Concen: 0.405 ug/L
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018770.D
Acq: 05 Oct 2020 17:03

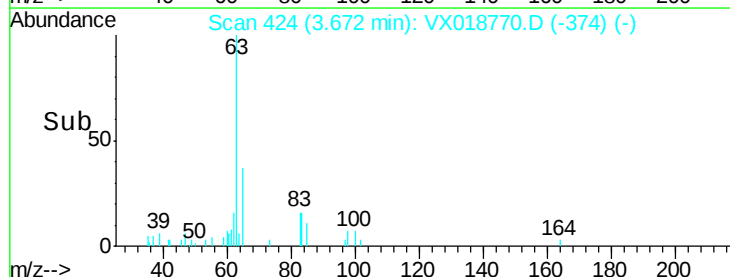
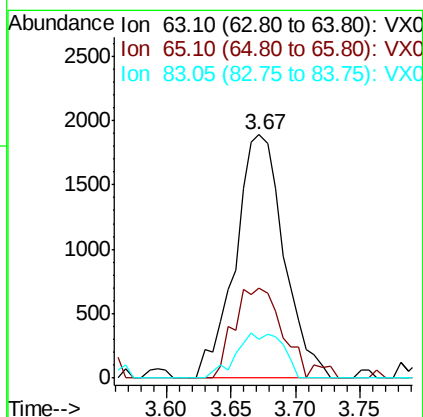
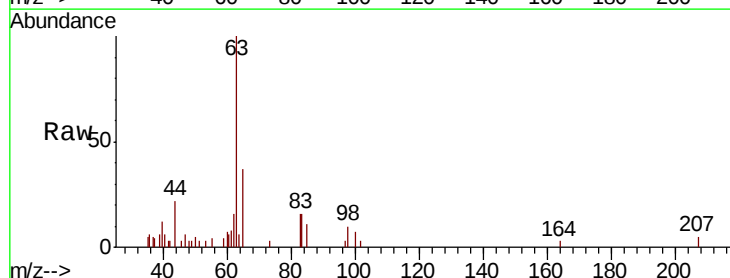
Instrument :
MSVOA_X
ClientSampled :
BG3N5DL2

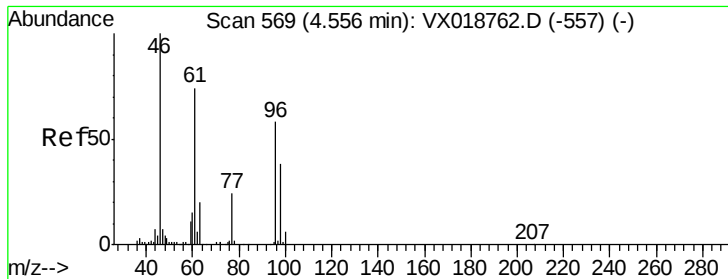
Tot Ion: 84 Resp: 3536
Ion Ratio Lower Upper
84 100
86 64.9 45.6 84.8
49 114.6 85.8 159.3



#19
1,1-Dichloroethane
Concen: 0.360 ug/L
RT: 3.67 min Scan# 424
Delta R.T. 0.01 min
Lab File: VX018770.D
Acq: 05 Oct 2020 17:03

Tgt Ion: 63 Resp: 4930
Ion Ratio Lower Upper
63 100
65 36.8 21.6 40.2
83 15.8 8.7 16.1



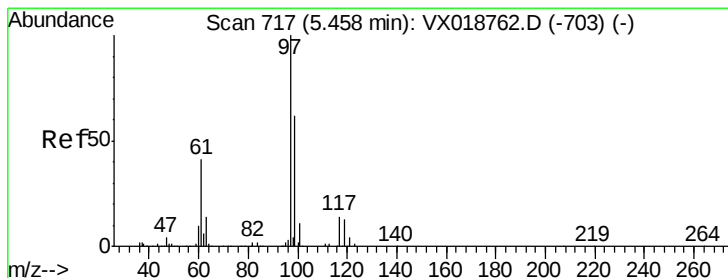
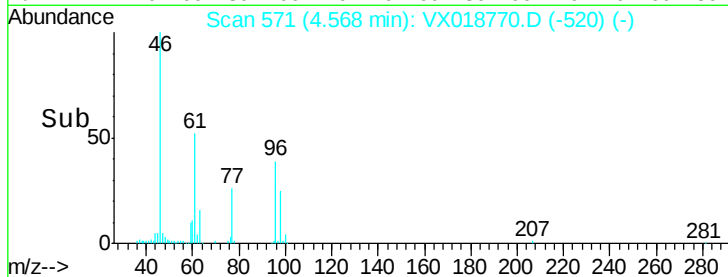
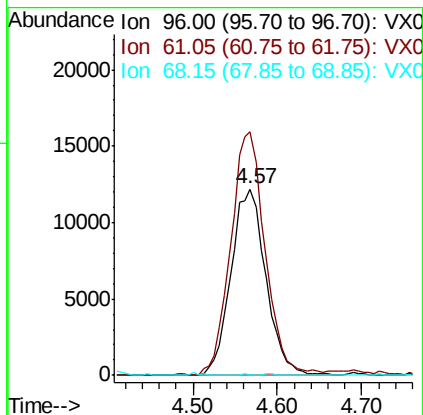
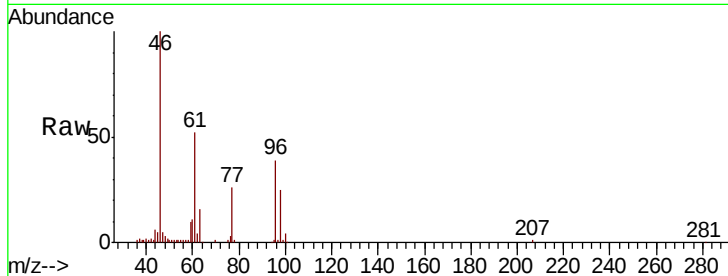


#22

cis-1,2-Dichloroethene
 Concen: 4.306 ug/L
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX018770.D
 Acq: 05 Oct 2020 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N5DL2

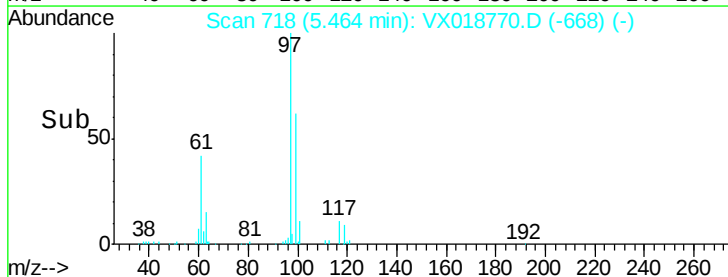
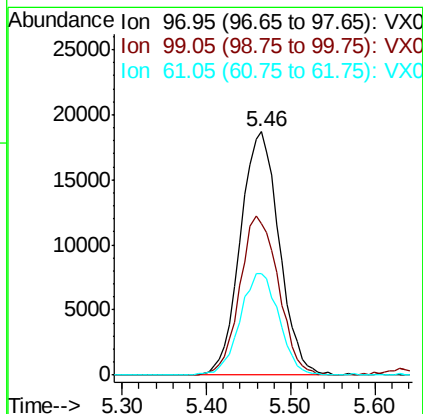
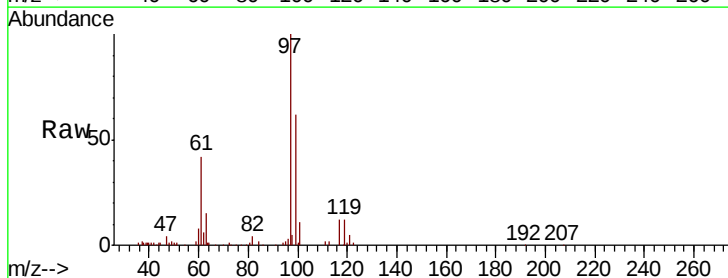
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	86.2	160.0
68	0.0	0.3	0.7#

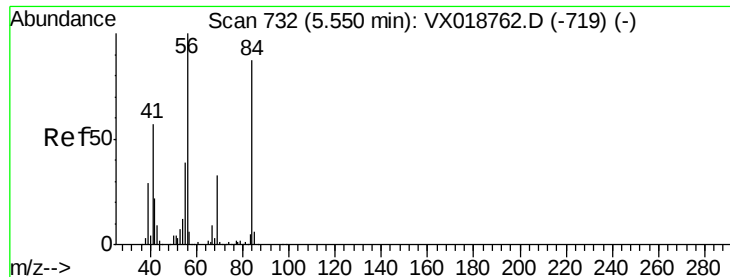


#29

1,1,1-Trichloroethane
 Concen: 3.596 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX018770.D
 Acq: 05 Oct 2020 17:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	41.7	33.3	49.9

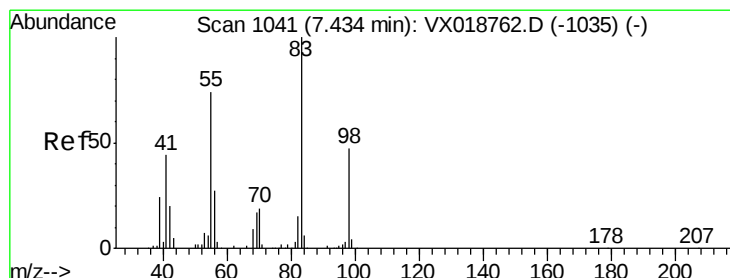
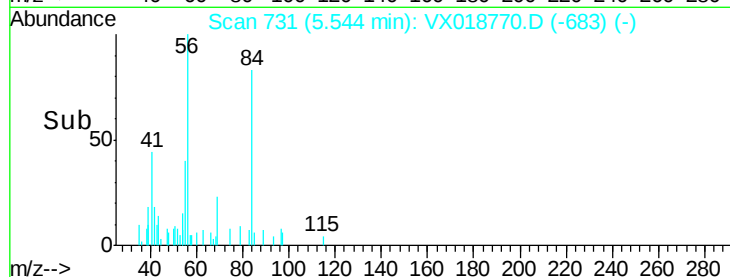
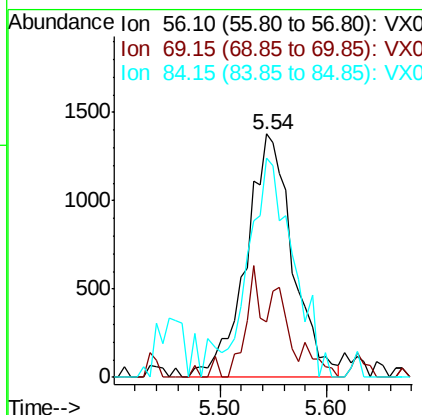
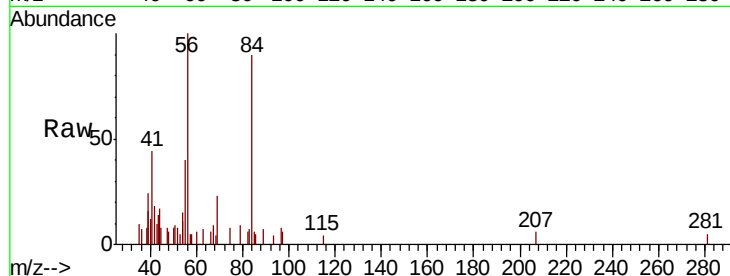




#30
Cyclohexane
Concen: 0.373 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX018770.D
Acq: 05 Oct 2020 17:03

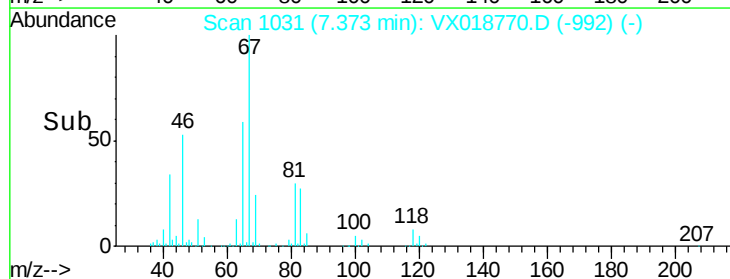
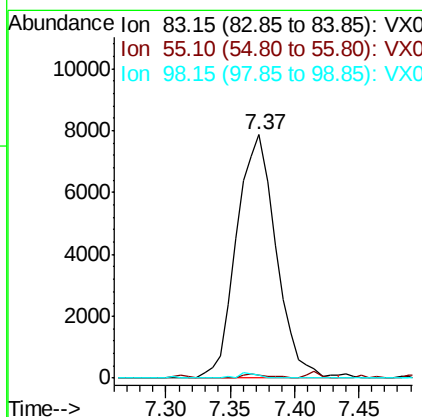
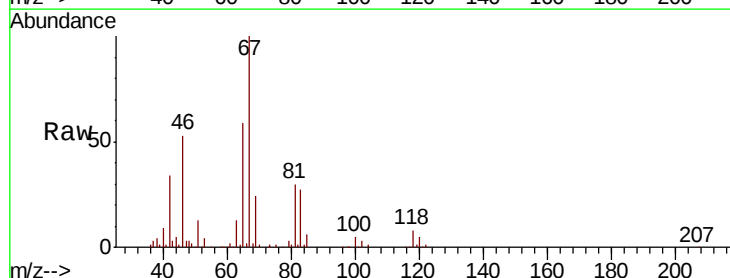
Instrument :
MSVOA_X
ClientSampleId :
BG3N5DL2

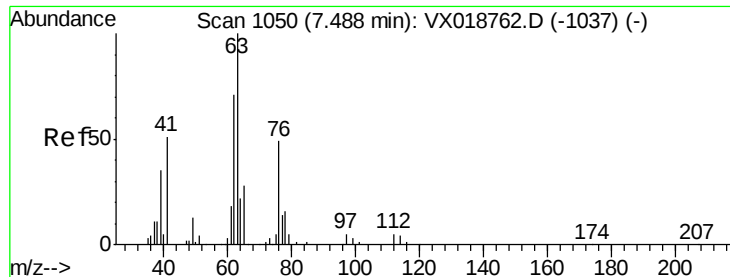
Tot Ion: 56 Resp: 4211
Ion Ratio Lower Upper
56 100
69 13.8 26.0 39.0#
84 84.2 73.8 110.6



#35
Methylcyclohexane
Concen: 1.392 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.06 min
Lab File: VX018770.D
Acq: 05 Oct 2020 17:03

Tgt Ion: 83 Resp: 16782
Ion Ratio Lower Upper
83 100
55 1.2 60.3 90.5#
98 1.0 39.4 59.0#

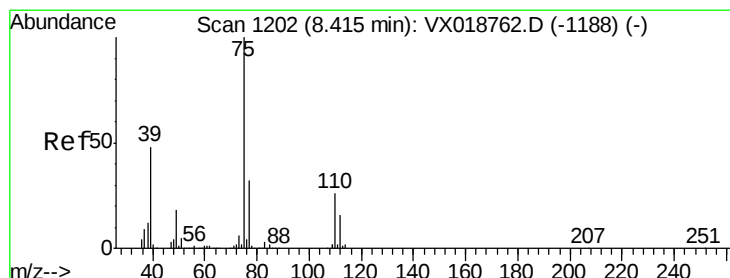
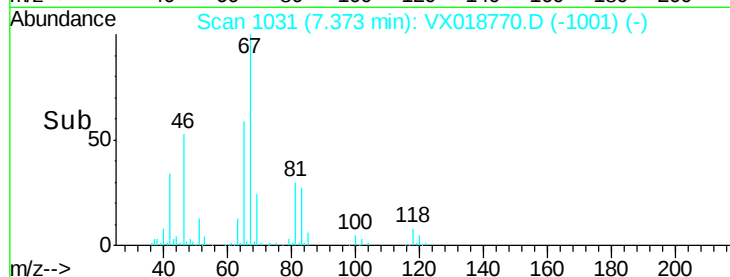
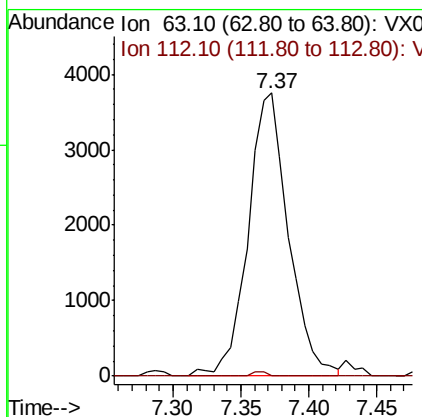
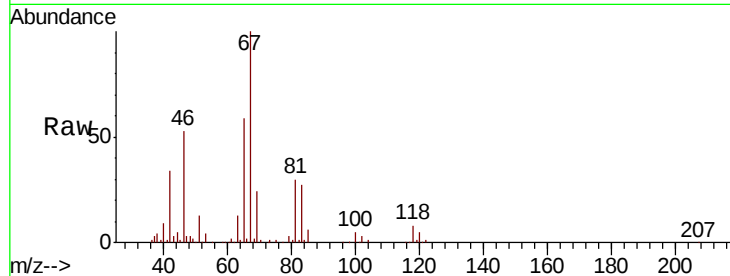




#37
 1,2-Dichloropropane
 Concen: 1.081 ug/L
 RT: 7.37 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VX018770.D
 Acq: 05 Oct 2020 17:03

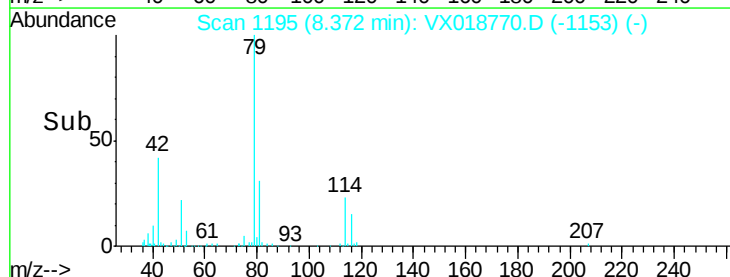
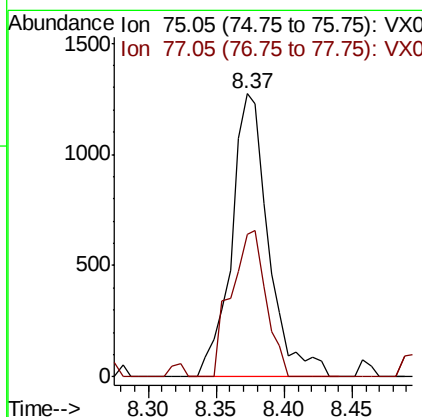
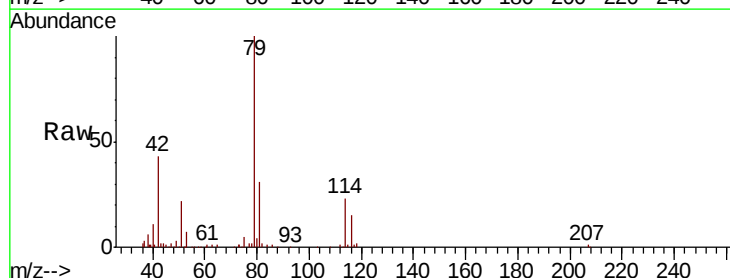
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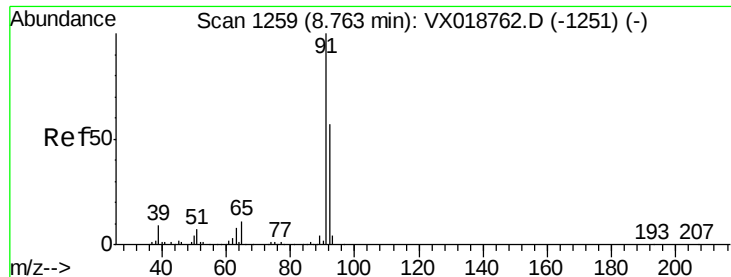
Tot Ion: 63 Resp: 7802
 Ion Ratio Lower Upper
 63 100
 112 0.5 4.7 7.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.209 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX018770.D
 Acq: 05 Oct 2020 17:03

Tgt Ion: 75 Resp: 2405
 Ion Ratio Lower Upper
 75 100
 77 50.2 22.5 41.7#





#42

Toluene

Concen: 11.990 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018770.D

Acq: 05 Oct 2020 17:03

Instrument :

MSVOA_X

ClientSampled :

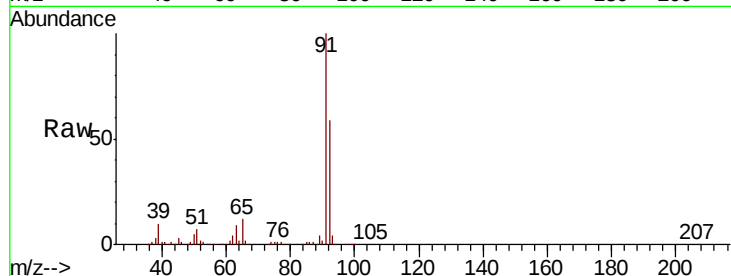
BG3N5DL2

Tot Ion: 91 Resp: 378117

Ion Ratio Lower Upper

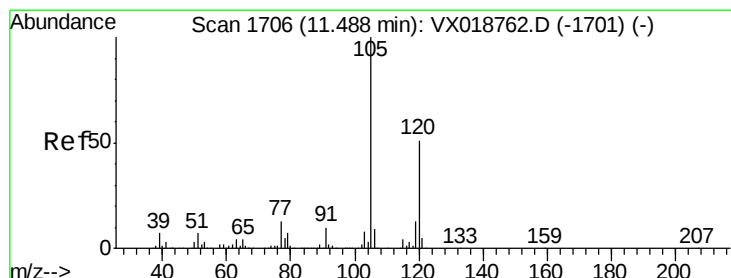
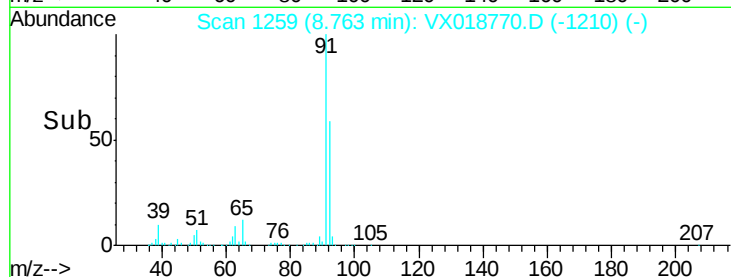
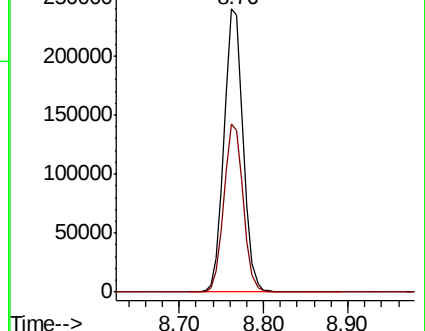
91 100

92 59.3 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0



#43

1,3,5-Trimethylbenzene

Concen: 2.033 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX018770.D

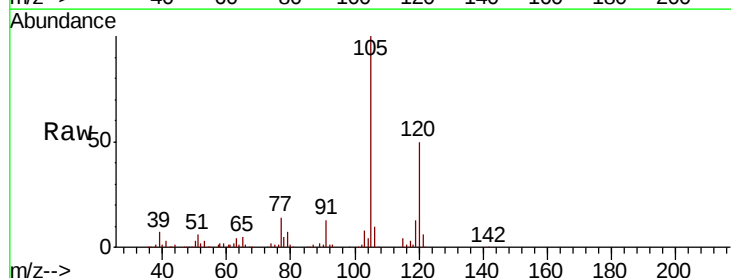
Acq: 05 Oct 2020 17:03

Tgt Ion:105 Resp: 60687

Ion Ratio Lower Upper

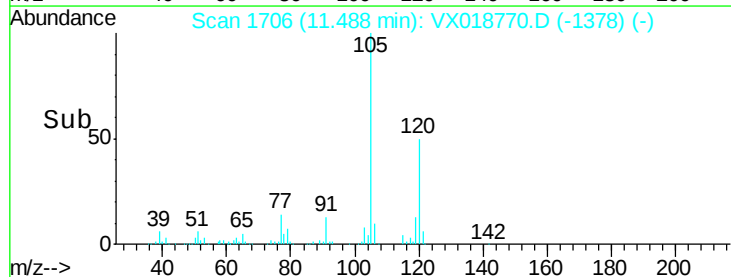
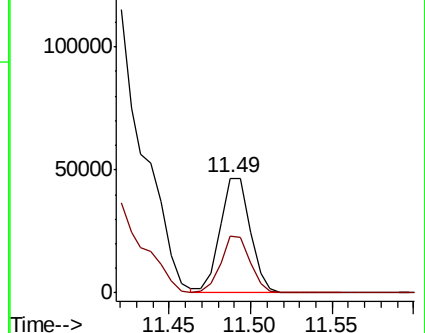
105 100

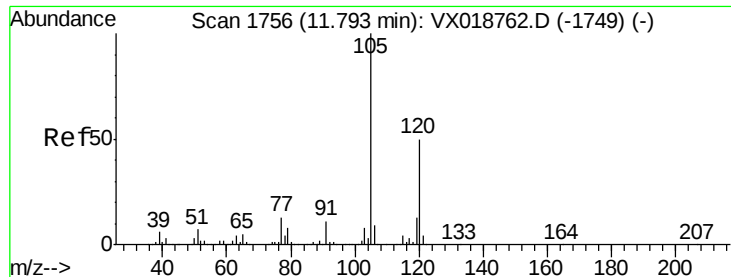
120 48.0 37.7 56.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#44

1,2,4-Trimethylbenzene

Concen: 7.031 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018770.D

Acq: 05 Oct 2020 17:03

Instrument :

MSVOA_X

ClientSampled :

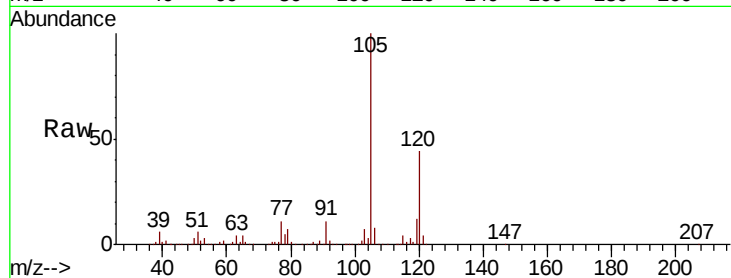
BG3N5DL2

Tot Ion:105 Resp: 213005

Ion Ratio Lower Upper

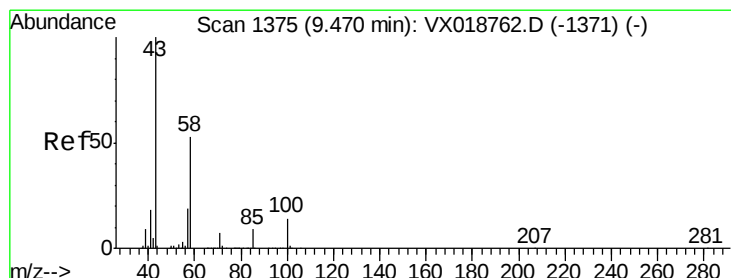
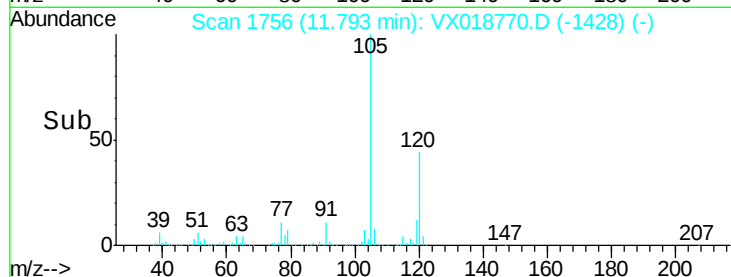
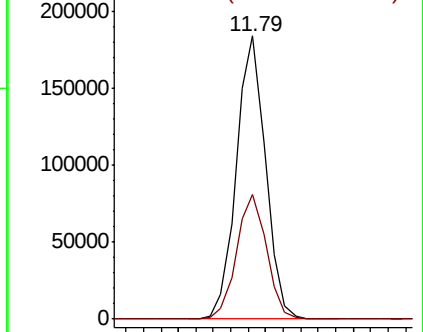
105 100

120 45.2 35.1 52.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#50

2-Hexanone

Concen: 5.158 ug/L

RT: 9.43 min Scan# 1368

Delta R.T. -0.04 min

Lab File: VX018770.D

Acq: 05 Oct 2020 17:03

Tgt Ion: 43 Resp: 15671

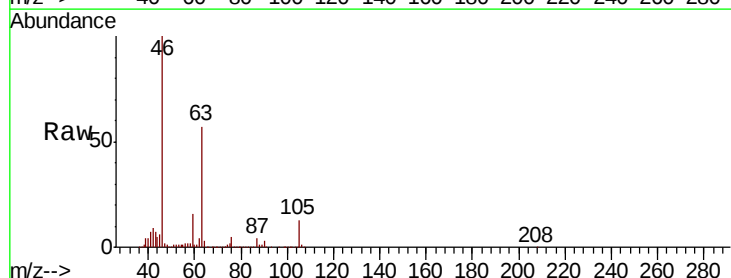
Ion Ratio Lower Upper

43 100

58 27.5 41.0 61.4#

57 27.9 15.9 23.9#

100 1.6 10.1 15.1#

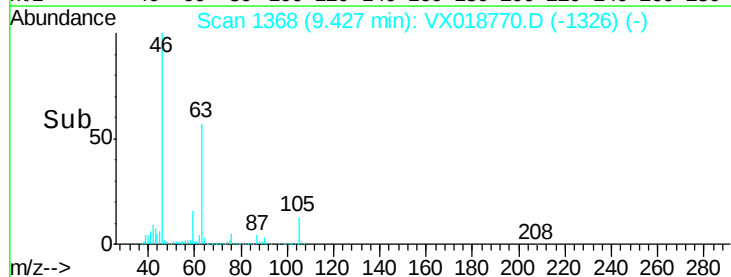
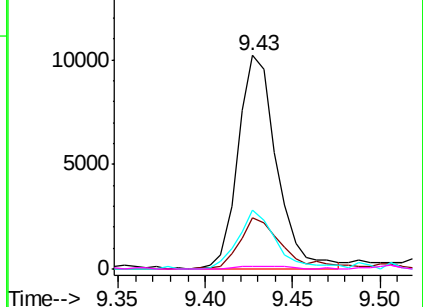


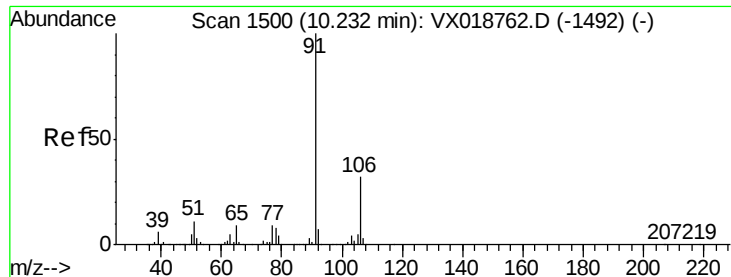
Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0

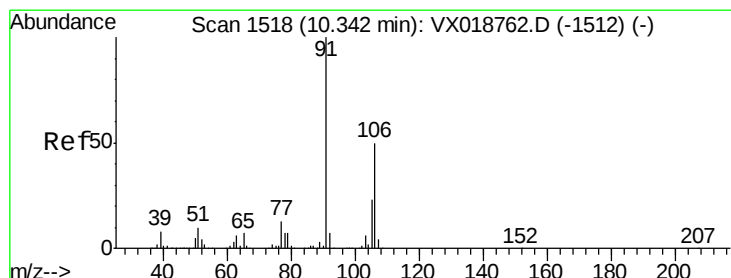
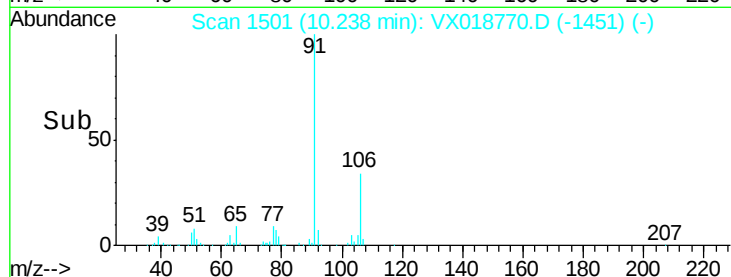
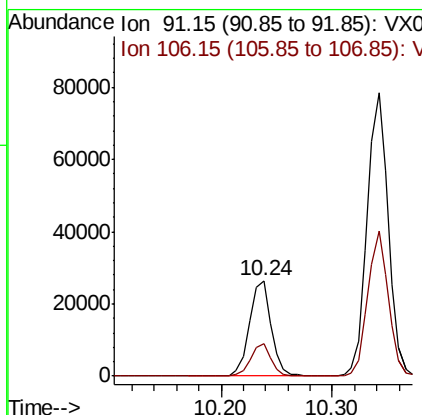
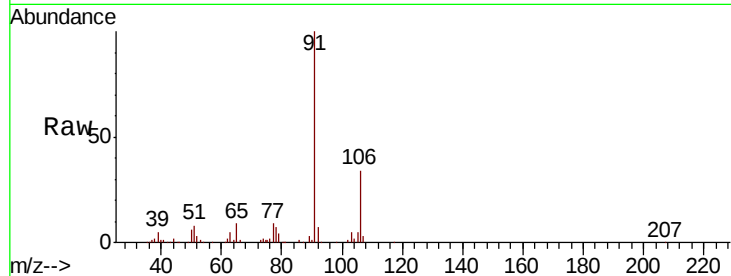




#54
Ethylbenzene
Concen: 1.014 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX018770.D
Acq: 05 Oct 2020 17:03

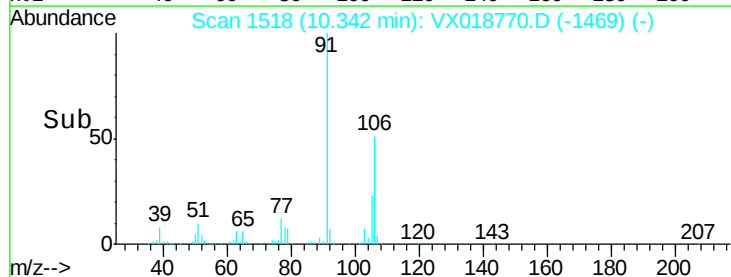
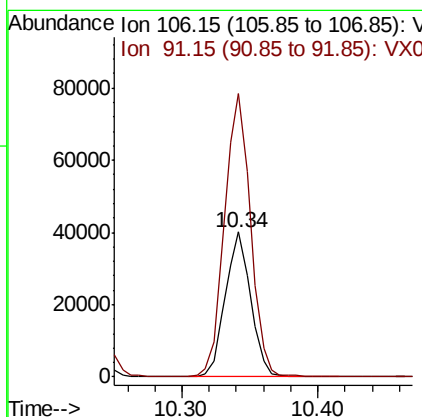
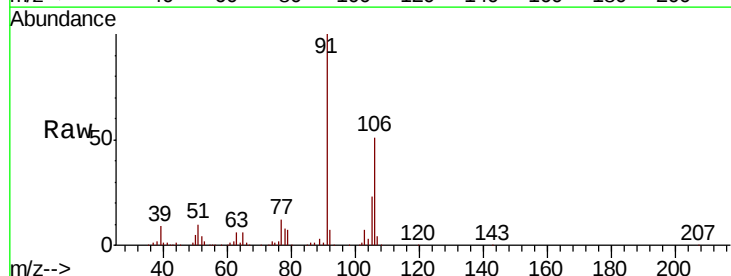
Instrument :
MSVOA_X
ClientSampled :
BG3N5DL2

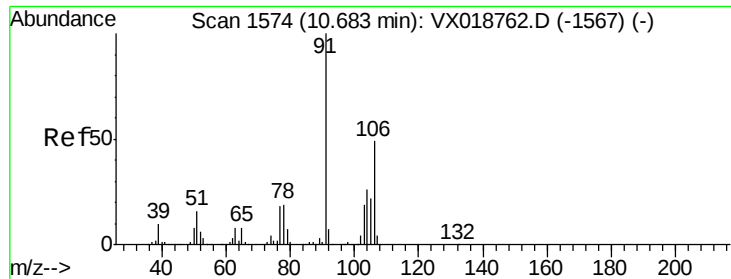
Tot Ion: 91 Resp: 35860
Ion Ratio Lower Upper
91 100
106 33.9 21.5 39.9



#55
m,p-xylene
Concen: 3.752 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018770.D
Acq: 05 Oct 2020 17:03

Tgt Ion: 106 Resp: 51736
Ion Ratio Lower Upper
106 100
91 195.3 143.4 266.2





#56

o-xylene

Concen: 1.874 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018770.D

Acq: 05 Oct 2020 17:03

Instrument :

MSVOA_X

ClientSampled :

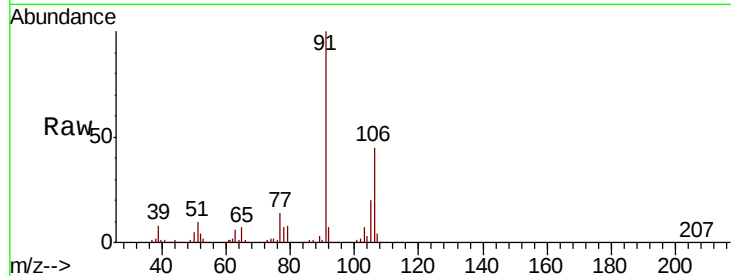
BG3N5DL2

Tot Ion:106 Resp: 23879

Ion Ratio Lower Upper

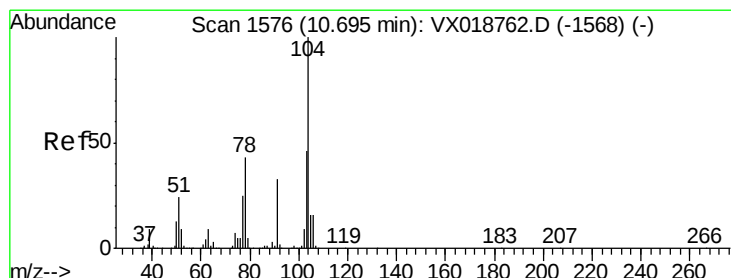
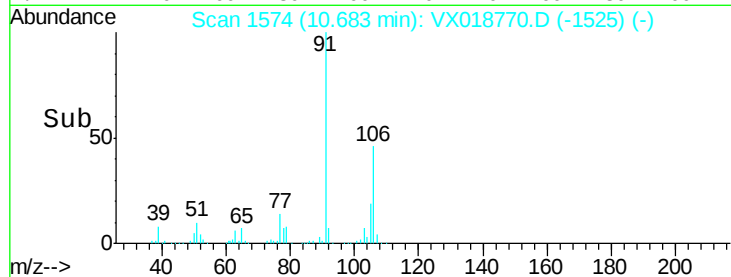
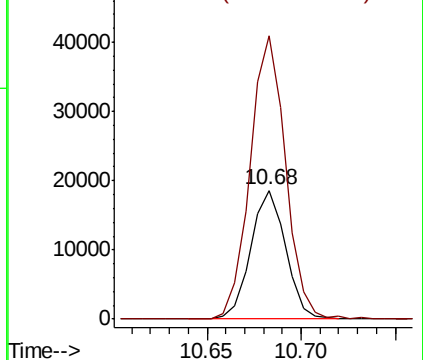
106 100

91 220.0 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#57

Styrene

Concen: 0.075 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VX018770.D

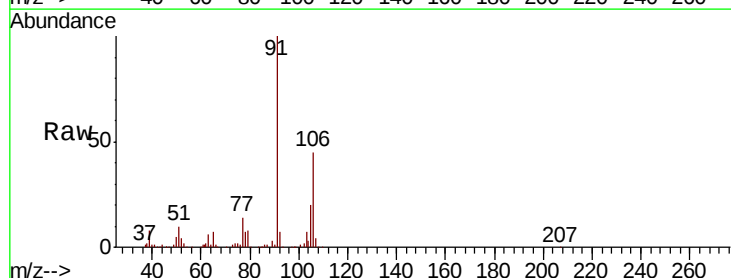
Acq: 05 Oct 2020 17:03

Tgt Ion:104 Resp: 1623

Ion Ratio Lower Upper

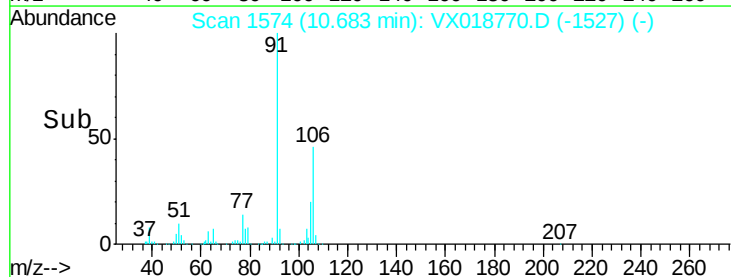
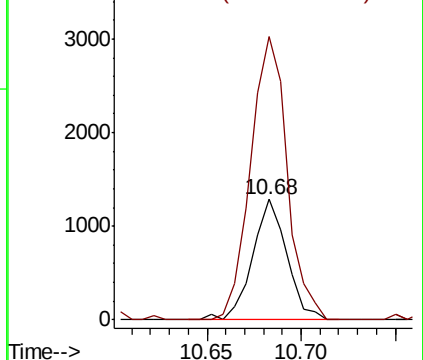
104 100

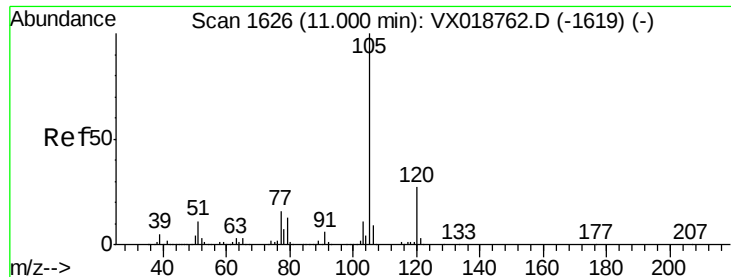
78 235.4 37.1 68.9#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 0.327 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018770.D

Acq: 05 Oct 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

BG3N5DL2

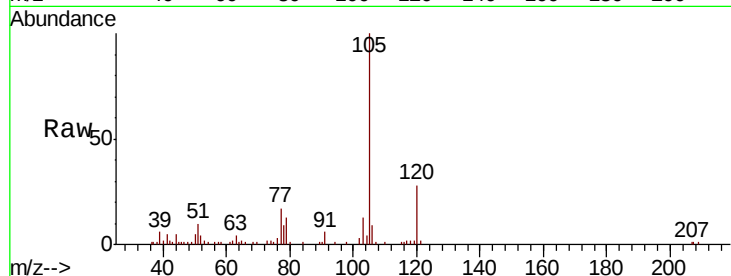
Tot Ion:105 Resp: 11669

Ion Ratio Lower Upper

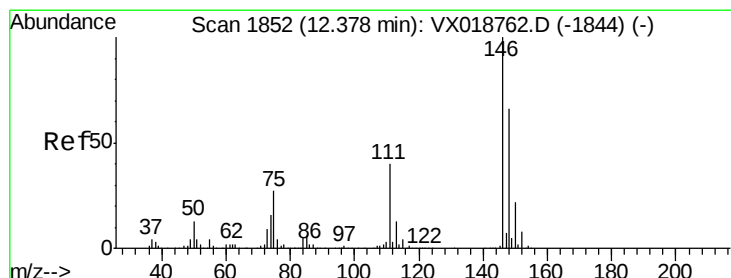
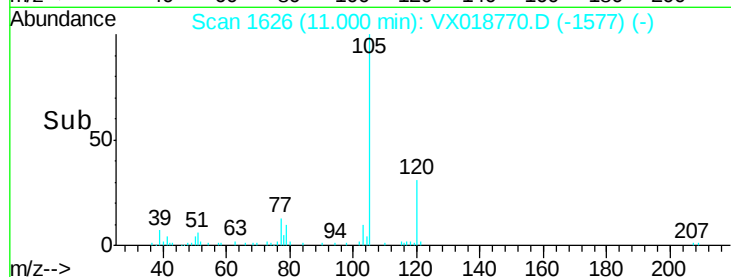
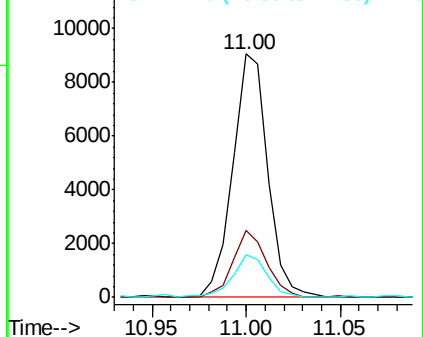
105 100

120 26.3 20.2 30.2

77 17.3 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: 0.092 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018770.D

Acq: 05 Oct 2020 17:03

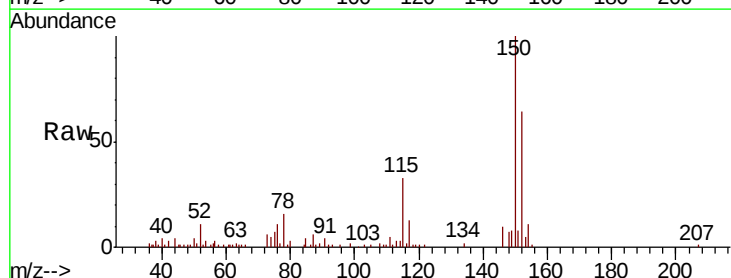
Tgt Ion:146 Resp: 1412

Ion Ratio Lower Upper

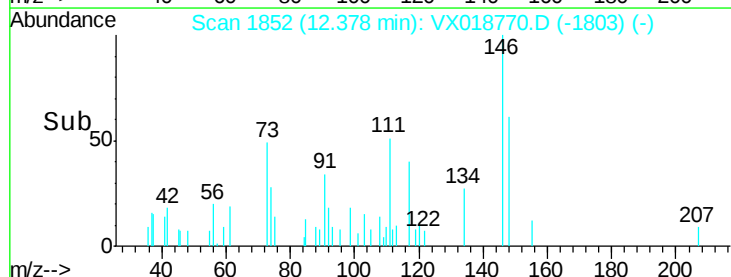
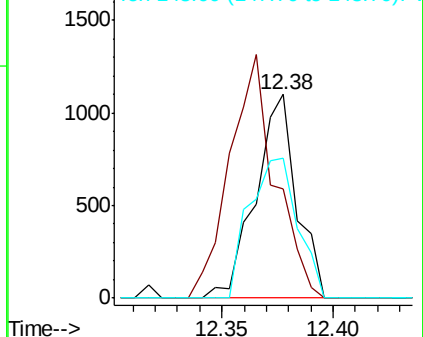
146 100

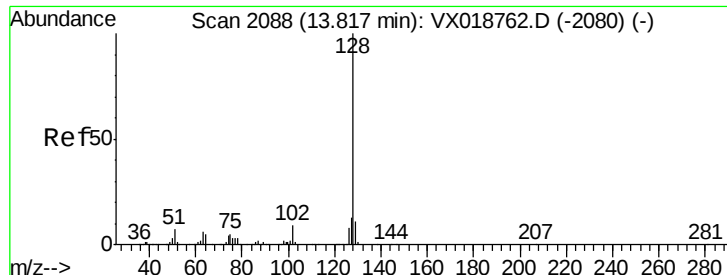
111 53.8 31.7 47.5#

148 68.6 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: 1.014 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018770.D

Acq: 05 Oct 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

BG3N5DL2

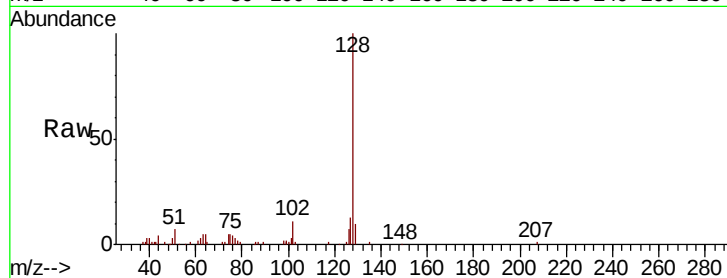
Tot Ion:128 Resp: 17437

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

127 13.7 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

