

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018766.D
 Acq On : 05 Oct 2020 15:21
 Operator : JC/SP
 Sample : L4239-02DL2 400X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N0DL2

Quant Time: Oct 06 02:13:09 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	170780	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	157805	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	77782	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	43446	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.70	69	36242	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.34	63	74608	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.57	46	143313	54.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.54%
24) Chloroform-d	5.14	84	103812	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	6.03	65	59208	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	6.05	84	198076	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	7.37	67	59924	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	8.70	98	176414	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
45) trans-1,3-Dichloropropene-	8.99	79	27643	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
48) 2-Hexanone-d5	9.43	63	118384	57.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.82%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	46821	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	73295	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

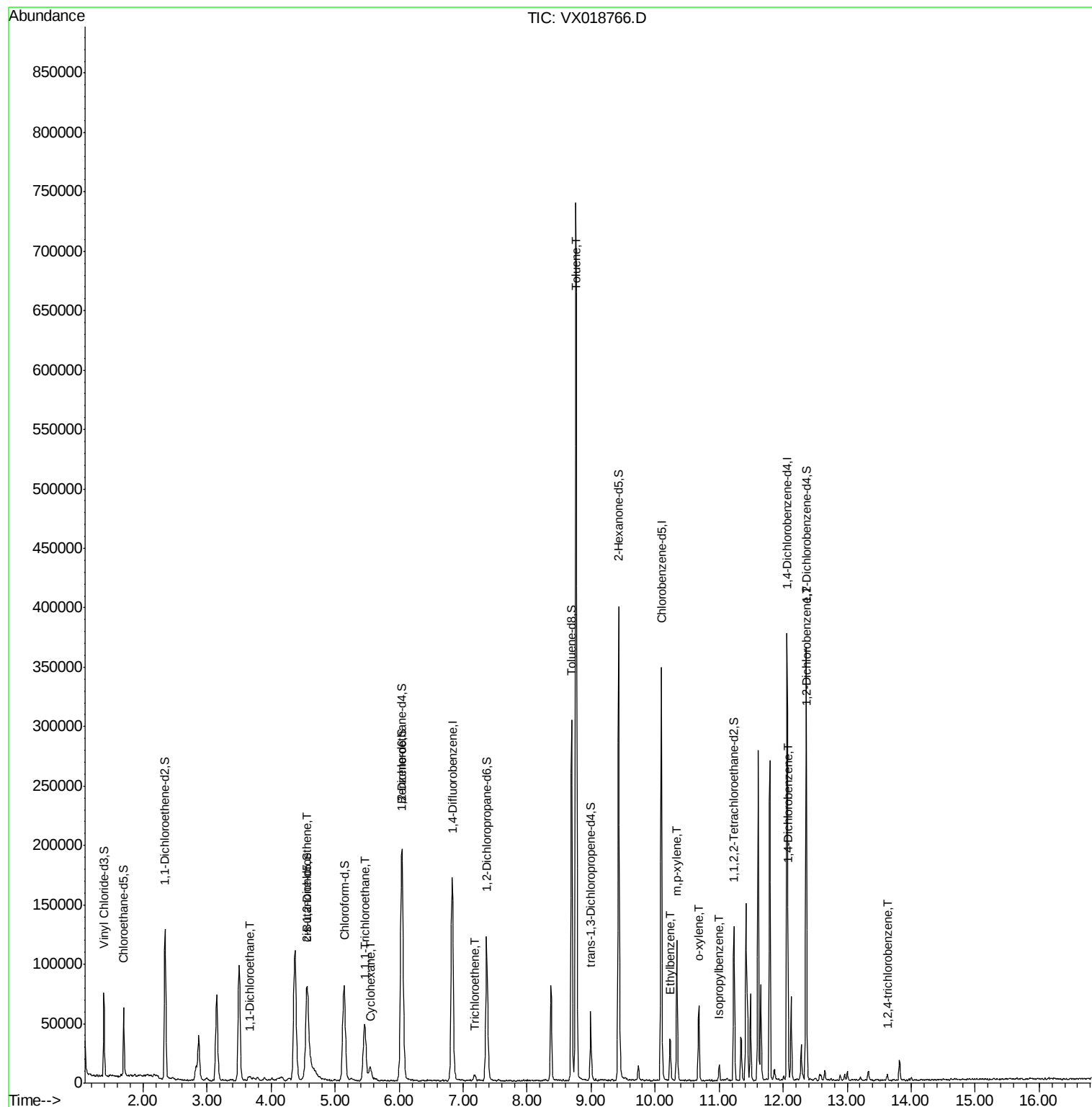
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
19) 1,1-Dichloroethane	3.67	63	2919	0.180	ug/L #	88
22) cis-1,2-Dichloroethene	4.56	96	20614	2.194	ug/L #	93
29) 1,1,1-Trichloroethane	5.46	97	48347	2.590	ug/L	99
30) Cyclohexane	5.54	56	7624	0.589	ug/L	92
34) Trichloroethene	7.19	95	1042	0.107	ug/L #	71
42) Toluene	8.76	91	456634	12.628	ug/L	98
54) Ethylbenzene	10.23	91	18852	0.465	ug/L	91
55) m,p-xylene	10.34	106	27045	1.710	ug/L	94
56) o-xylene	10.68	106	13509	0.925	ug/L	87
58) Isopropylbenzene	11.00	105	6190	0.151	ug/L	94
64) 1,4-Dichlorobenzene	12.08	146	2024	0.107	ug/L	93
66) 1,2-Dichlorobenzene	12.37	146	1319	0.075	ug/L #	81
69) 1,2,4-trichlorobenzene	13.63	180	958	0.079	ug/L	96

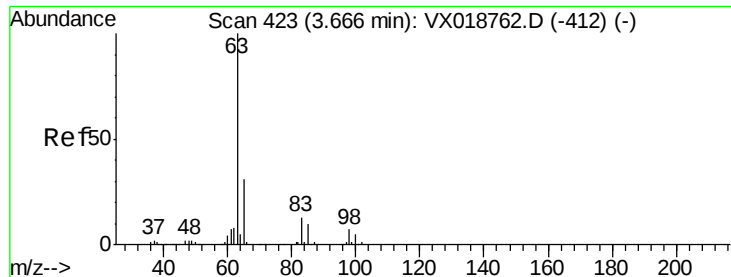
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

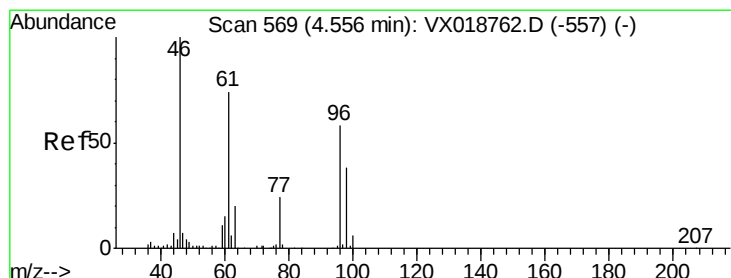
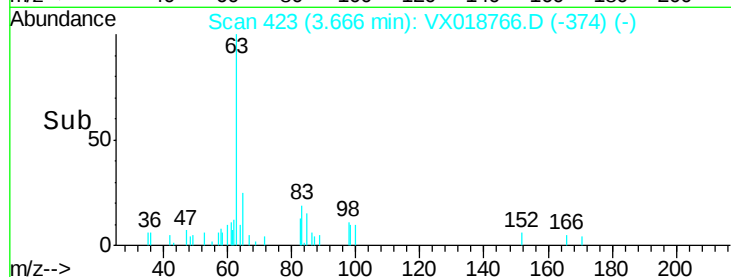
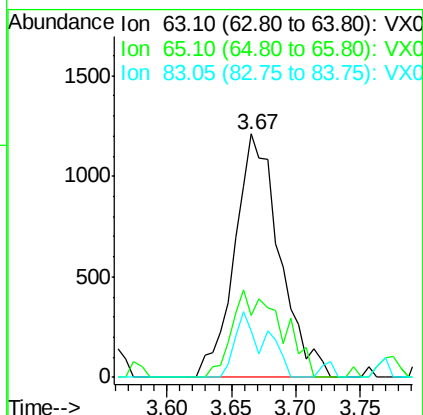
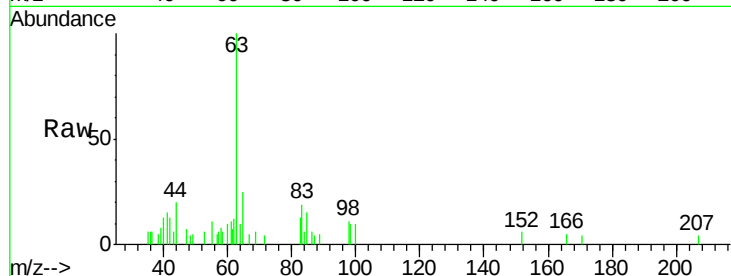




#19
 1,1-Dichloroethane
 Concen: 0.180 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

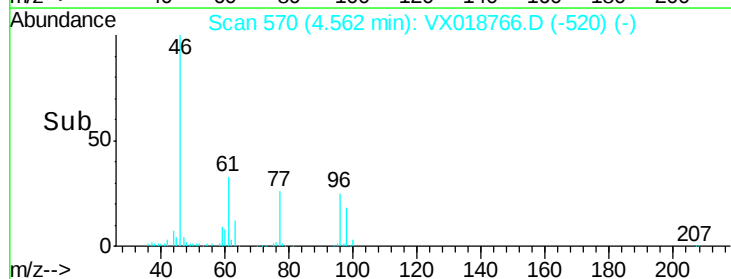
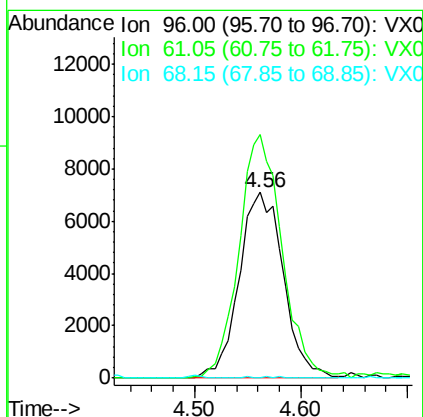
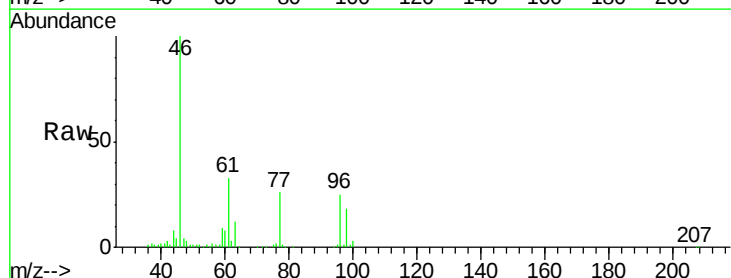
Instrument :
 MSVOA_X
 ClientSampleID :
 BG3N0DL2

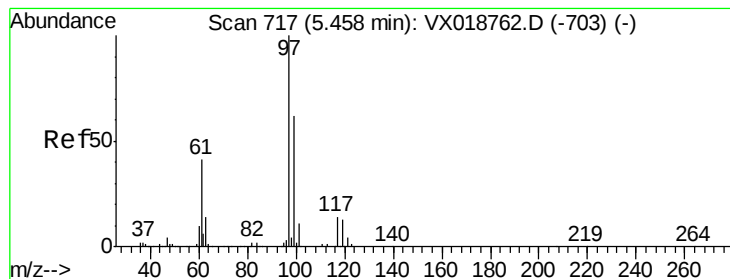
Tot Ion	Ratio	Lower	Upper
63	100		
65	25.2	21.6	40.2
83	19.1	8.7	16.1



#22
 cis-1,2-Dichloroethene
 Concen: 2.194 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.1	86.2	160.0
68	0.0	0.3	0.7





#29

1,1,1-Trichloroethane

Concen: 2.590 ug/L

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

BG3N0DL2

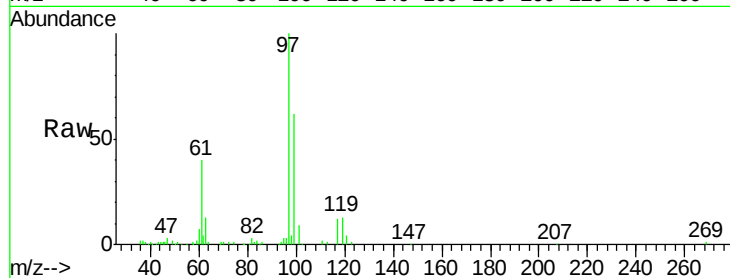
Tot Ion: 97 Resp: 48347

Ion Ratio Lower Upper

97 100

99 65.2 51.3 76.9

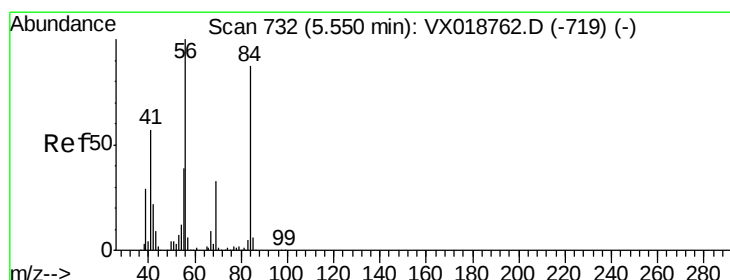
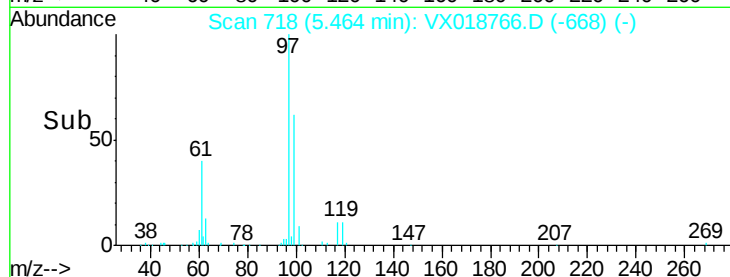
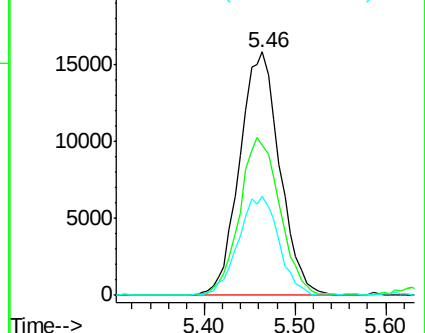
61 41.0 33.3 49.9



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: 0.589 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

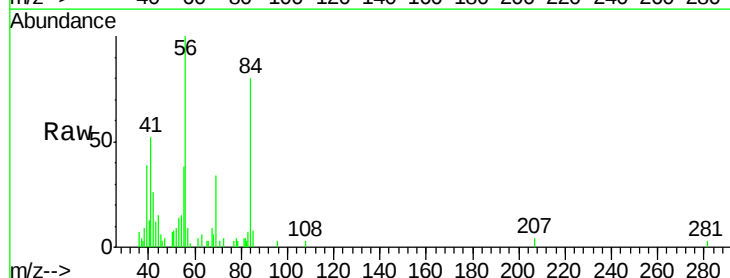
Tgt Ion: 56 Resp: 7624

Ion Ratio Lower Upper

56 100

69 27.6 26.0 39.0

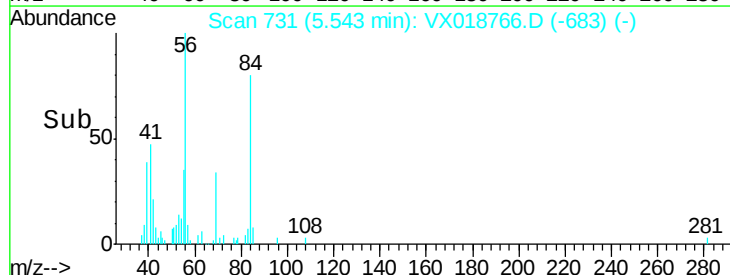
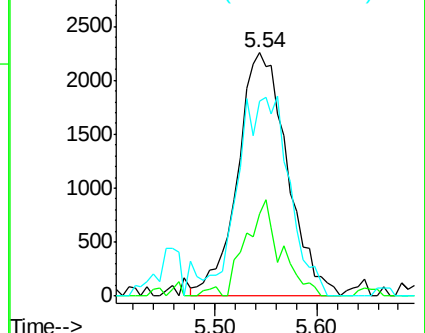
84 84.7 73.8 110.6

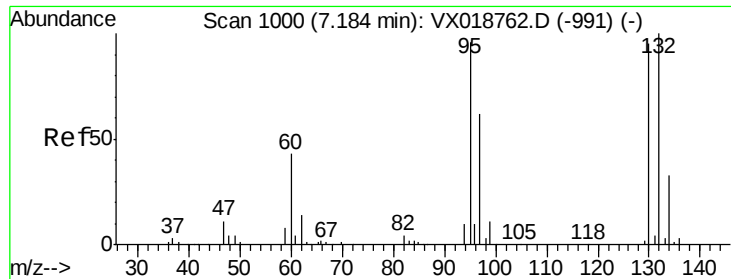


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0

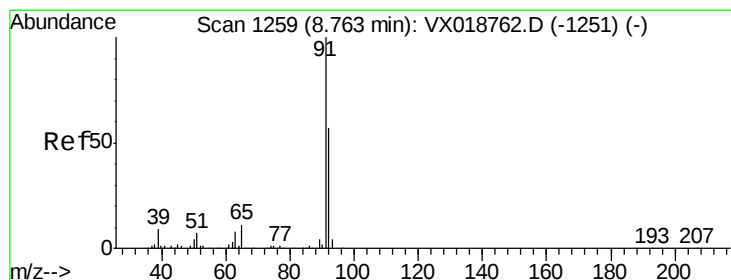
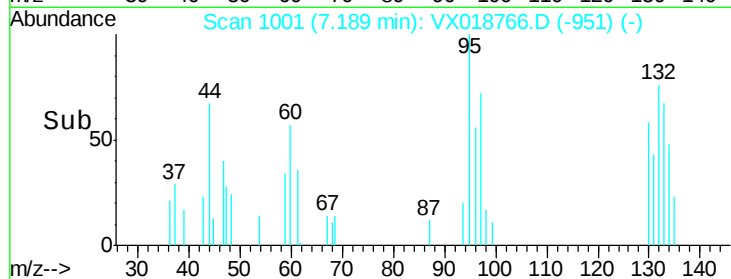
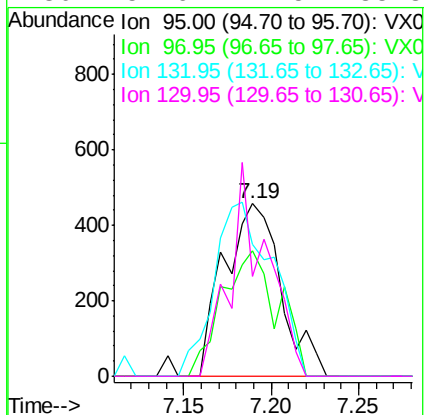
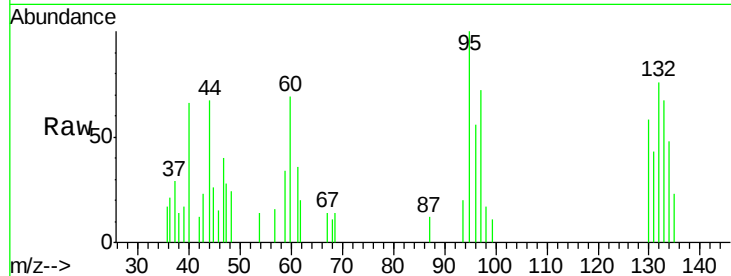




#34
 Trichloroethene
 Concen: 0.107 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

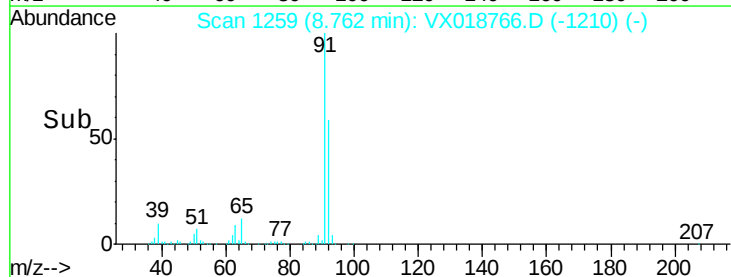
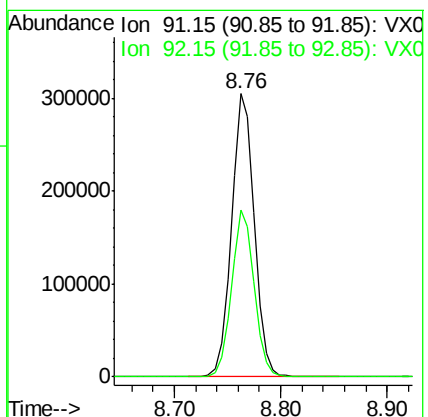
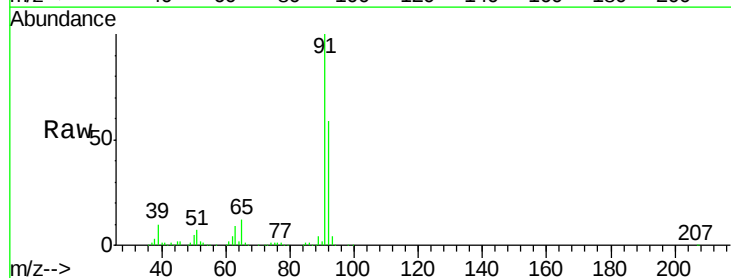
Instrument :
 MSVOA_X
 ClientSampled :
 BG3N0DL2

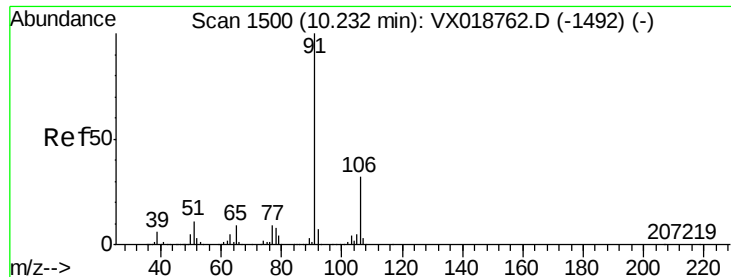
Tot Ion: 95 Resp: 1042
 Ion Ratio Lower Upper
 95 100
 97 72.5 45.3 84.1
 132 76.4 68.6 127.4
 130 57.6 74.5 138.3#



#42
 Toluene
 Concen: 12.628 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

Tgt Ion: 91 Resp: 456634
 Ion Ratio Lower Upper
 91 100
 92 58.8 40.3 74.9





#54

Ethylbenzene

Concen: 0.465 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

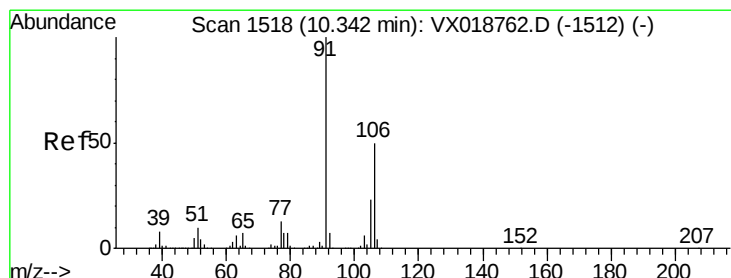
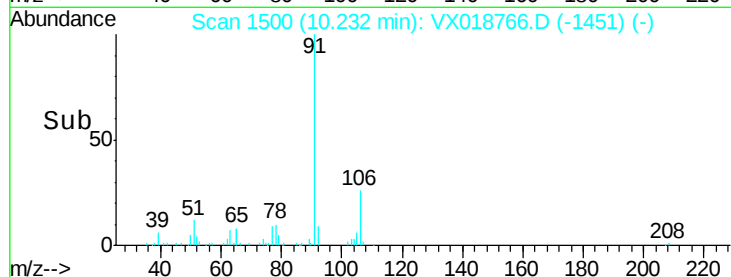
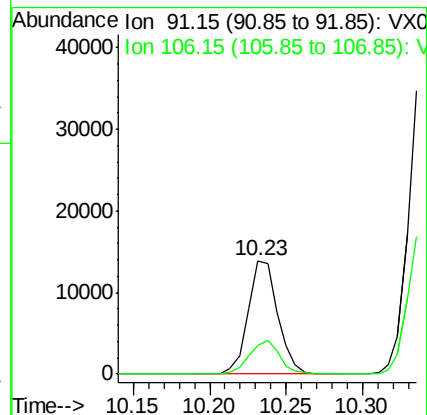
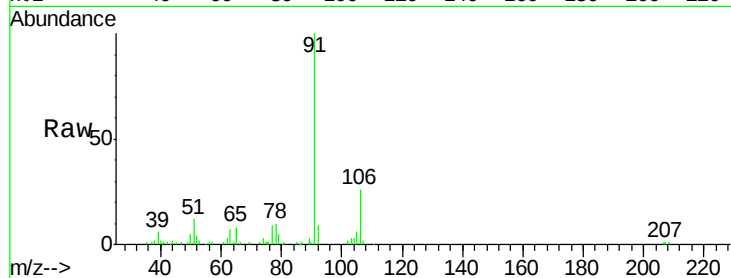
BG3N0DL2

Tot Ion: 91 Resp: 18852

Ion Ratio Lower Upper

91 100

106 25.6 21.5 39.9



#55

m,p-xylene

Concen: 1.710 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018766.D

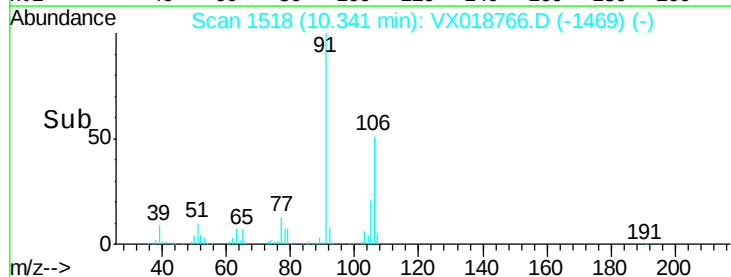
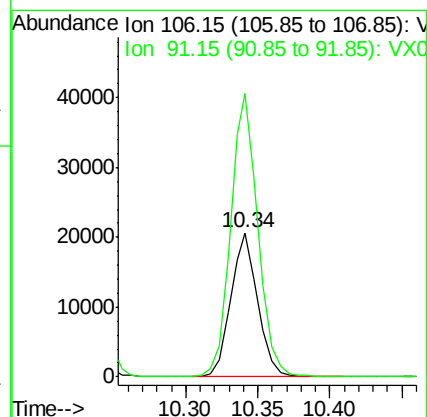
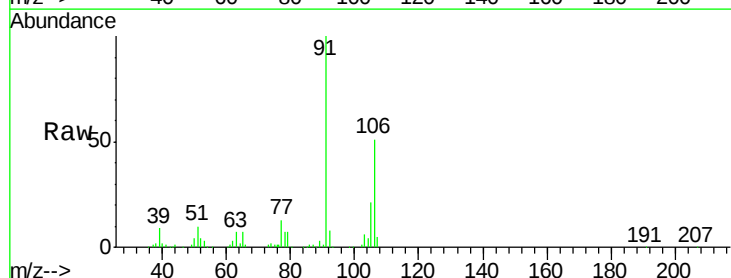
Acq: 05 Oct 2020 15:21

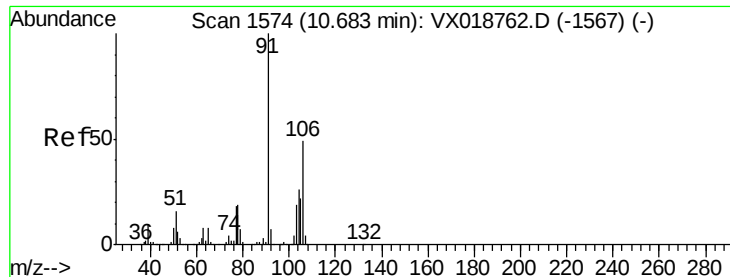
Tgt Ion: 106 Resp: 27045

Ion Ratio Lower Upper

106 100

91 196.1 143.4 266.2





#56

o-xylene

Concen: 0.925 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampled :

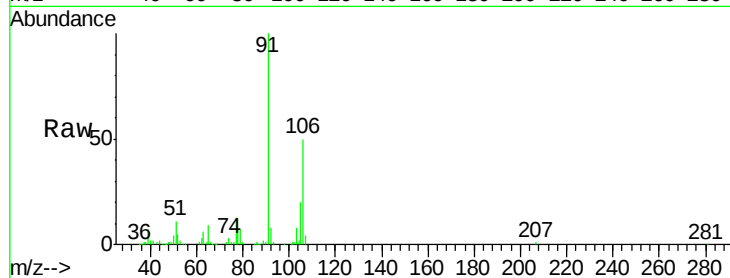
BG3N0DL2

Tot Ion:106 Resp: 13509

Ion Ratio Lower Upper

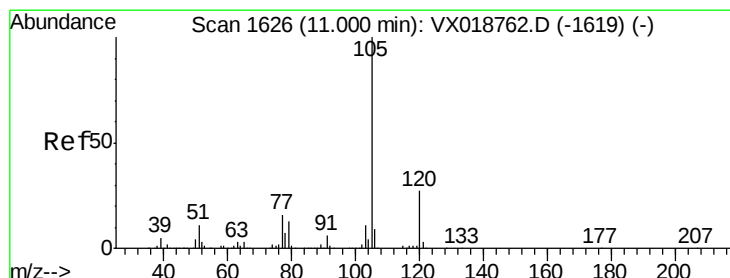
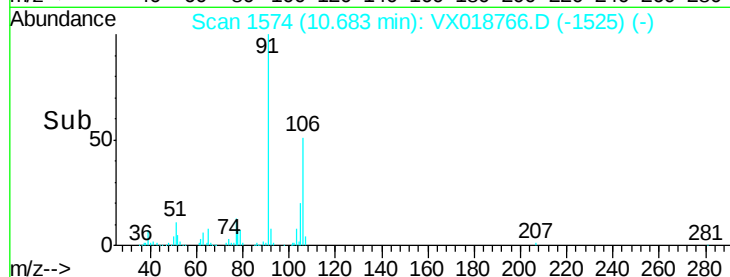
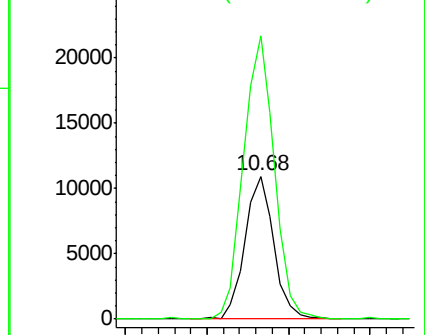
106 100

91 198.4 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#58

Isopropylbenzene

Concen: 0.151 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

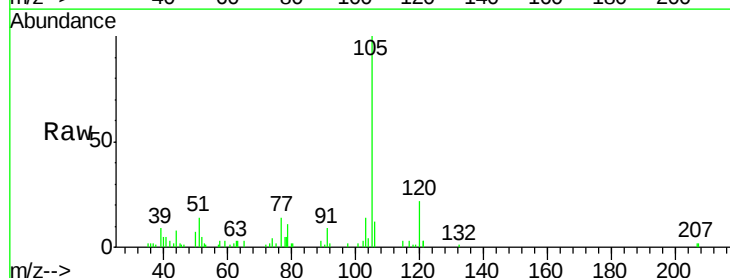
Tgt Ion:105 Resp: 6190

Ion Ratio Lower Upper

105 100

120 29.2 20.2 30.2

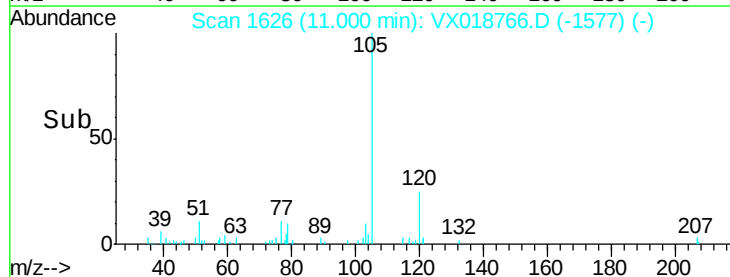
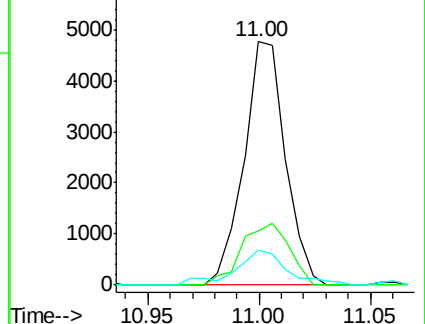
77 17.7 13.3 19.9

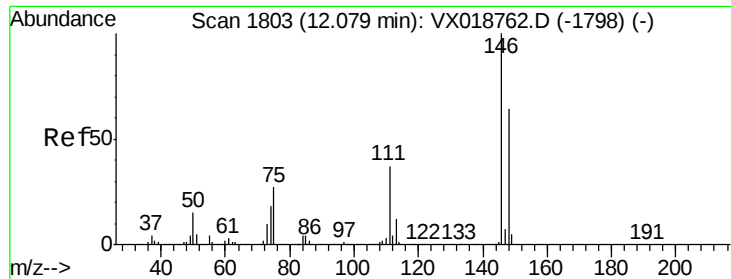


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VX0

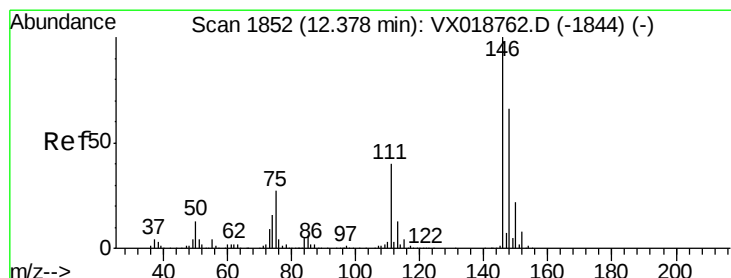
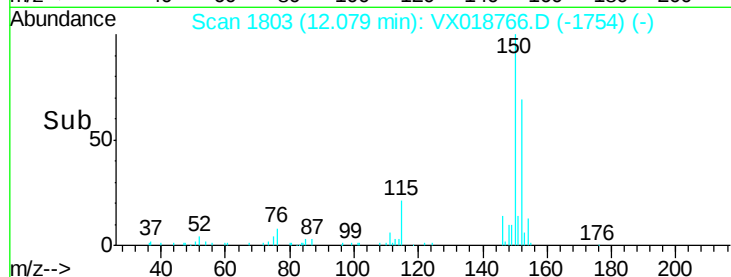
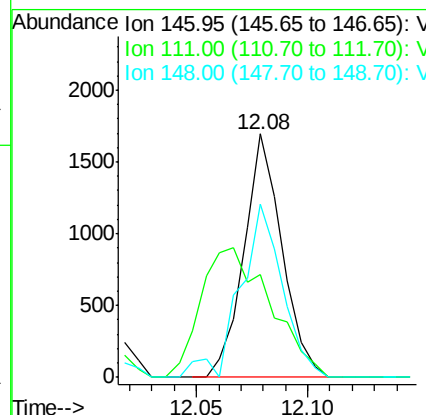
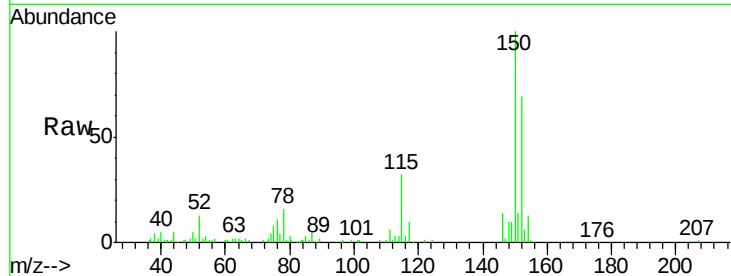




#64
 1,4-Dichlorobenzene
 Concen: 0.107 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

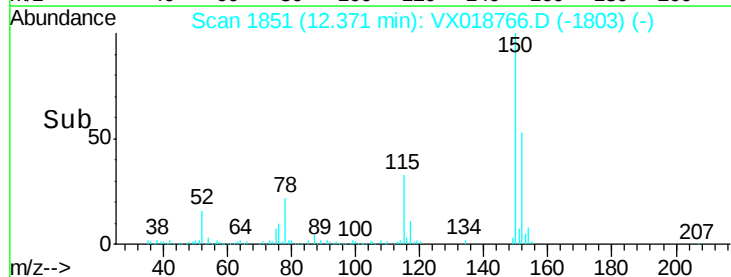
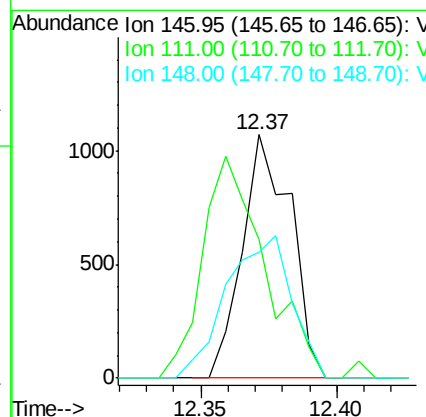
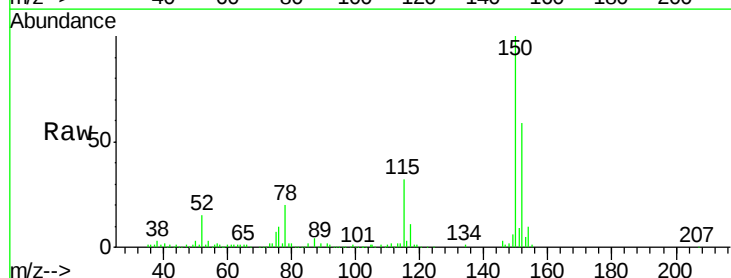
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N0DL2

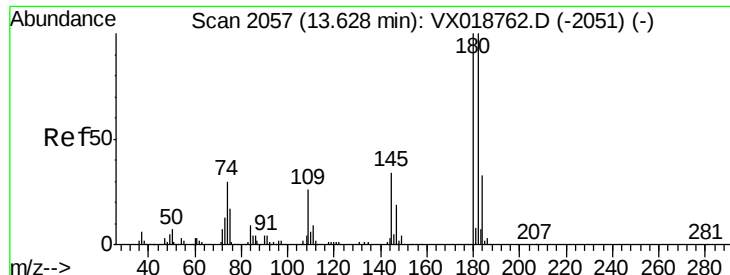
Tot Ion:146 Resp: 2024
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.6 53.2
 148 71.2 44.2 82.0



#66
 1,2-Dichlorobenzene
 Concen: 0.075 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018766.D
 Acq: 05 Oct 2020 15:21

Tgt Ion:146 Resp: 1319
 Ion Ratio Lower Upper
 146 100
 111 56.8 31.7 47.5#
 148 51.6 49.0 73.6





#69

1,2,4-trichlorobenzene

Concen: 0.079 ug/L

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX018766.D

Acq: 05 Oct 2020 15:21

Instrument :

MSVOA_X

ClientSampleId :

BG3N0DL2

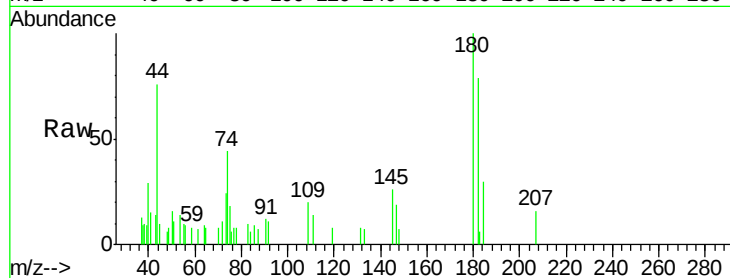
Tot Ion:180 Resp: 958

Ion Ratio Lower Upper

180 100

182 102.3 80.2 120.4

145 36.3 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

