

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072220\
 Data File : VX017469.D
 Acq On : 22 Jul 2020 16:41
 Operator : JC/SP
 Sample : L3395-08
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAY18

Quant Time: Jul 23 03:01:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 23 02:59:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	353507	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	338248	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	165805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	109448	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.69	69	82723	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.34	63	158683	3.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.20%
20) 2-Butanone-d5	4.53	46	246705	48.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.06%
24) Chloroform-d	5.14	84	205177	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	6.03	65	118231	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	6.05	84	405484	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	7.37	67	121342	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	8.70	98	362892	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
45) trans-1,3-Dichloropropene-	8.99	79	51581	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
48) 2-Hexanone-d5	9.43	63	189617	49.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.88%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	87048	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	146756	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
13) Acetone	2.42	43	21333	5.147 ug/L	93
14) Carbon disulfide	2.55	76	62270	0.734 ug/L	99
15) Methyl Acetate	2.75	43	2587	0.214 ug/L #	81
18) trans-1,2-Dichloroethene	3.15	96	5640	0.212 ug/L	91
21) 2-Butanone	4.64	43	8907	1.349 ug/L #	74
22) cis-1,2-Dichloroethene	4.56	96	15854	0.602 ug/L #	83
25) Chloroform	5.17	83	5756	0.117 ug/L	96
30) Cyclohexane	5.55	56	8264	0.225 ug/L #	88
33) Benzene	6.11	78	39780	0.399 ug/L	100
34) Trichloroethene	7.18	95	6191	0.230 ug/L #	83
35) Methylcyclohexane	7.44	83	7235	0.199 ug/L	89
37) 1,2-Dichloropropane	7.37	63	15272	0.610 ug/L #	89
42) Toluene	8.76	91	156753	1.569 ug/L	97
43) 1,3,5-Trimethylbenzene	11.49	105	14066	0.151 ug/L	96
44) 1,2,4-Trimethylbenzene	11.79	105	44535	0.483 ug/L	98
54) Ethylbenzene	10.24	91	67063	0.619 ug/L	98
55) m,p-xylene	10.34	106	71440	1.652 ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 23 02:59:48 2020
Response via : Initial Calibration

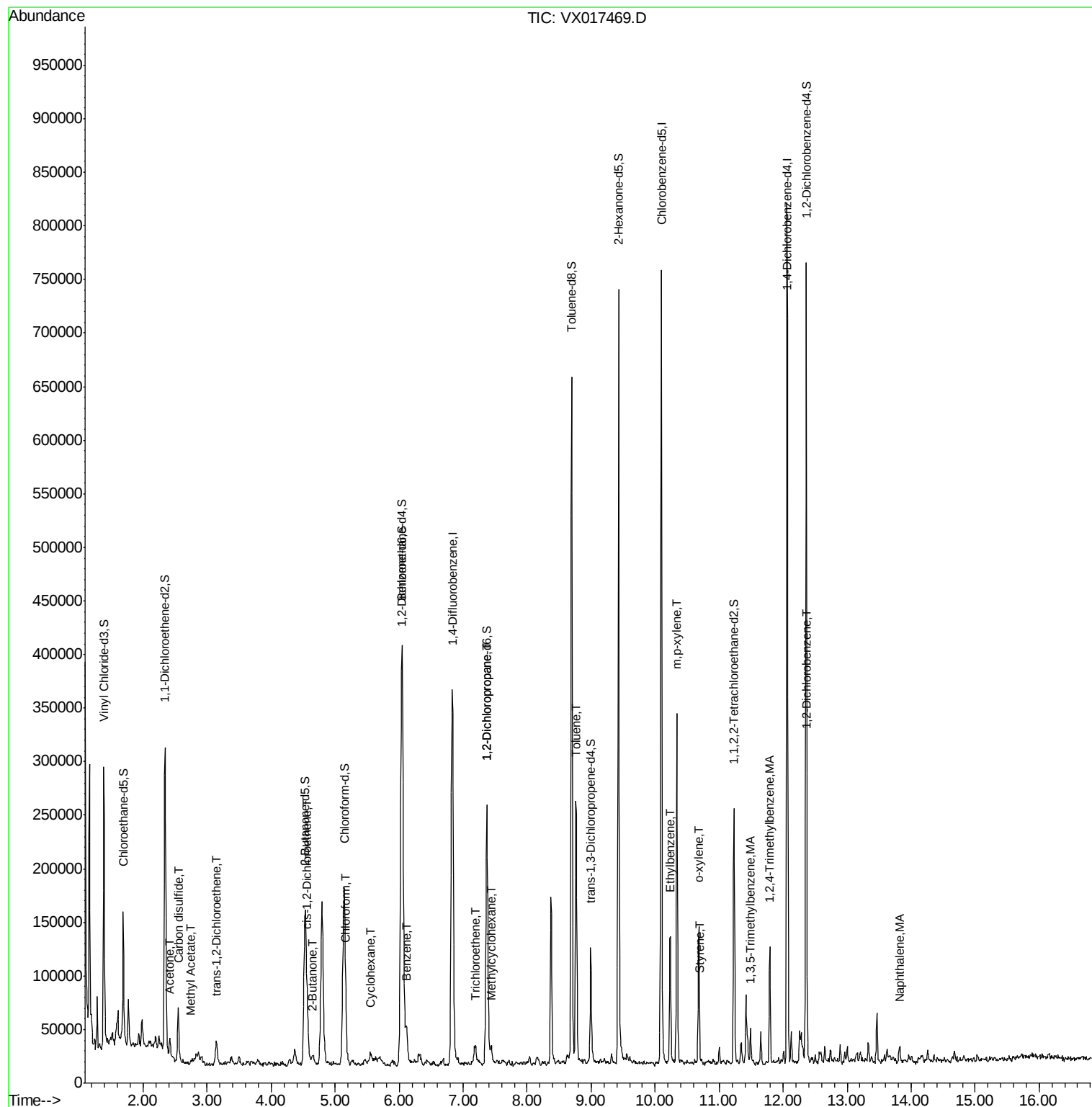
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) o-xylene	10.68	106	26475	0.631	ug/L	98
57) Styrene	10.70	104	4666	0.067	ug/L	99
66) 1,2-Dichlorobenzene	12.38	146	2708	0.055	ug/L #	83
70) Naphthalene	13.82	128	10057	0.174	ug/L #	89

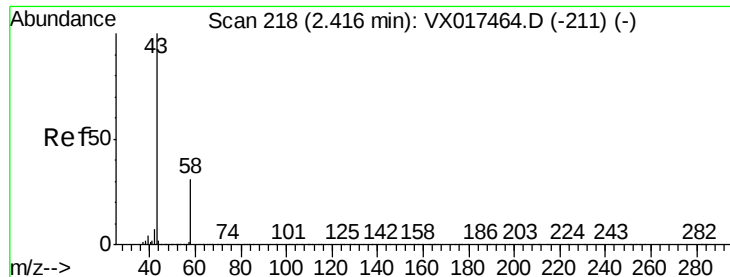
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :
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Response via : Initial Calibration





#13

Acetone

Concen: 5.147 ug/L

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

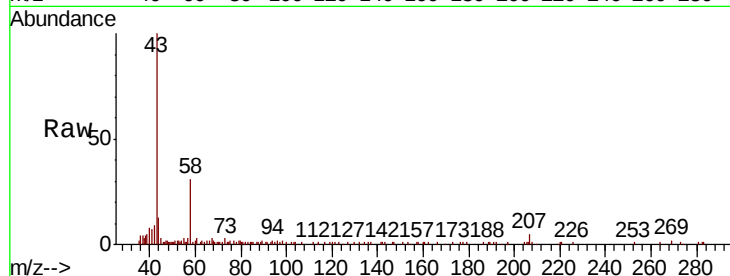
GAY18

Tot Ion: 43 Resp: 21333

Ion Ratio Lower Upper

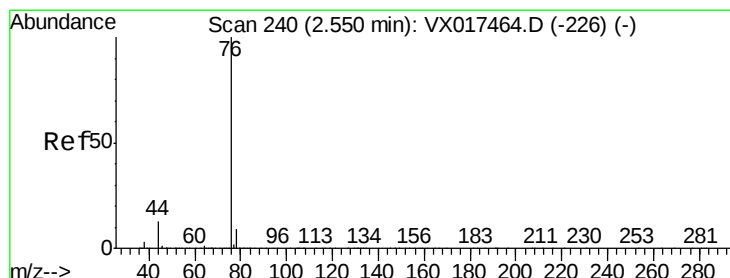
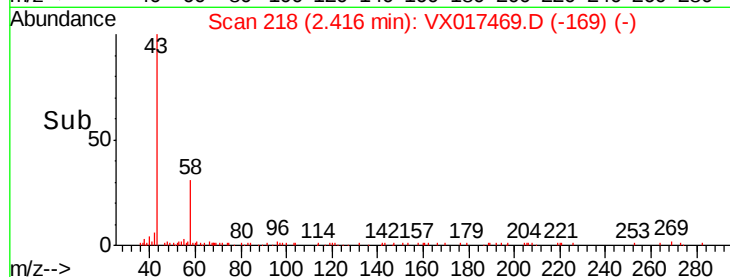
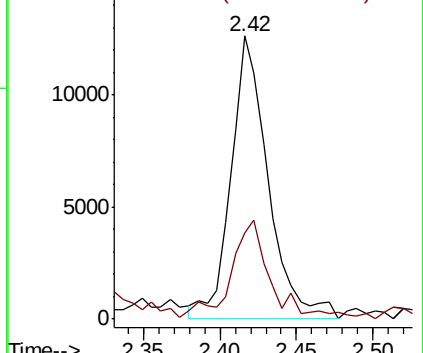
43 100

58 33.3 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.734 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017469.D

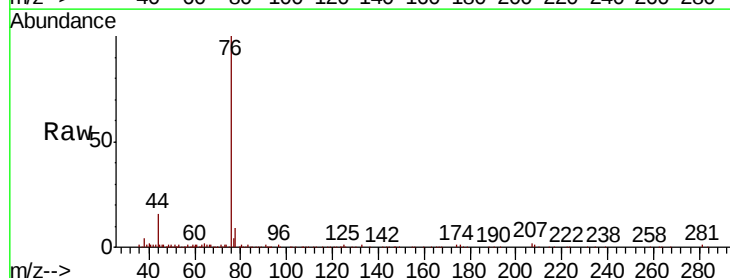
Acq: 22 Jul 2020 16:41

Tgt Ion: 76 Resp: 62270

Ion Ratio Lower Upper

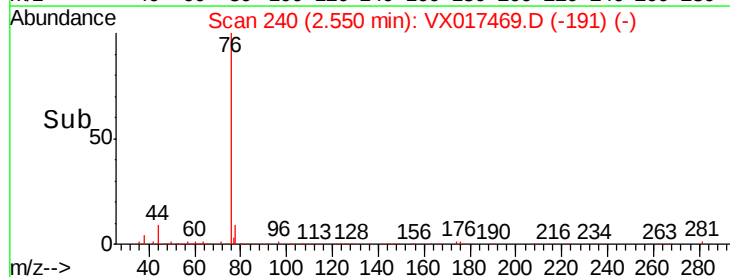
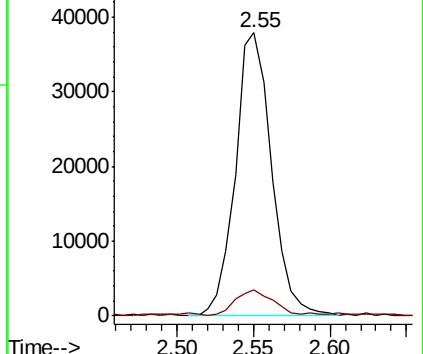
76 100

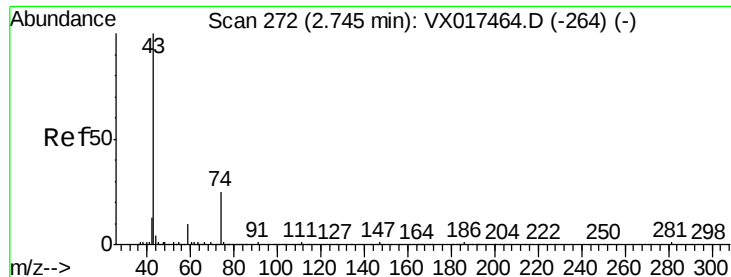
78 9.4 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

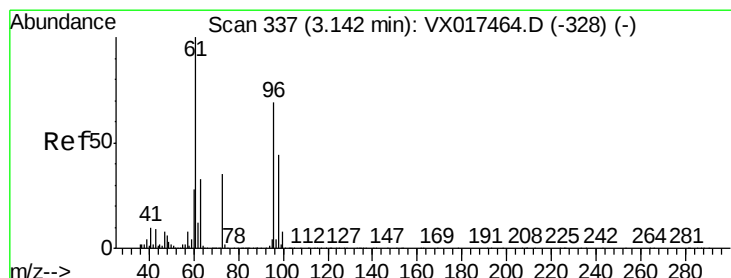
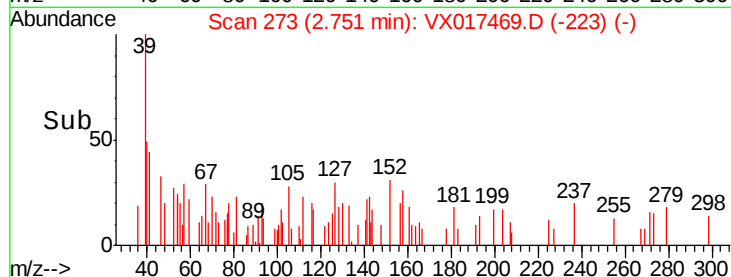
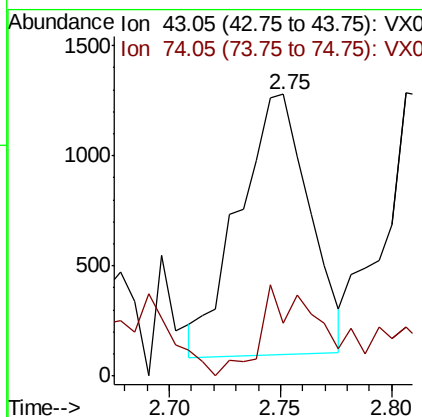
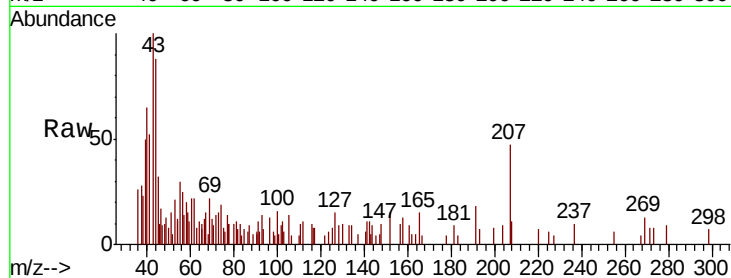




#15
Methvl Acetate
Concen: 0.214 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017469.D
Acq: 22 Jul 2020 16:41

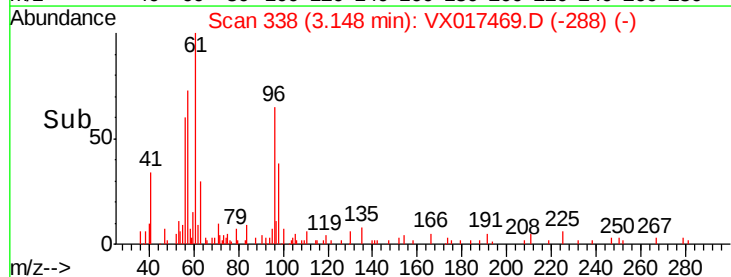
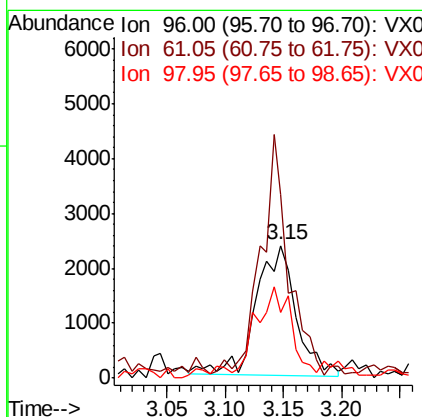
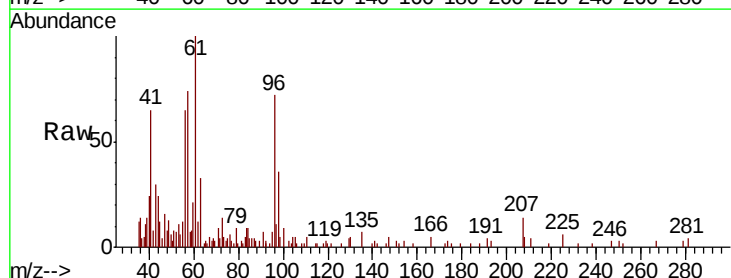
Instrument :
MSVOA_X
ClientSampled :
GAY18

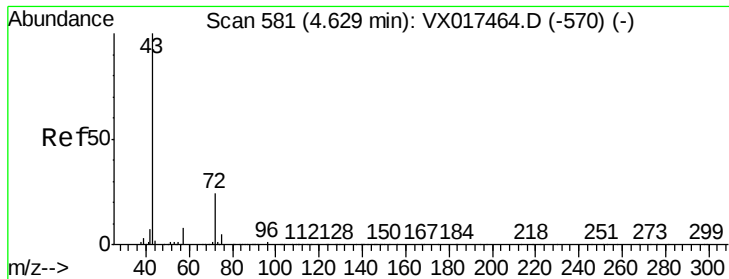
Tot Ion: 43 Resp: 2587
Ion Ratio Lower Upper
43 100
74 31.1 17.6 26.4#



#18
trans-1,2-Dichloroethene
Concen: 0.212 ug/L
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX017469.D
Acq: 22 Jul 2020 16:41

Tgt Ion: 96 Resp: 5640
Ion Ratio Lower Upper
96 100
61 138.8 99.8 185.4
98 49.8 46.4 86.2





#21

2-Butanone

Concen: 1.349 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

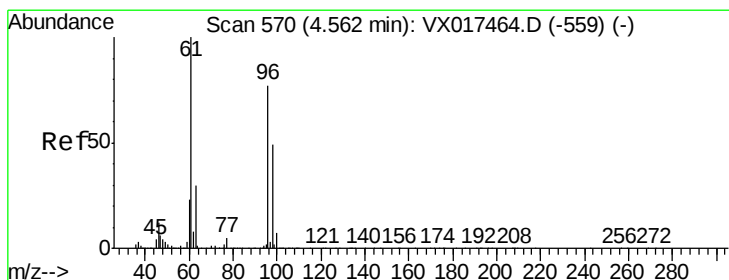
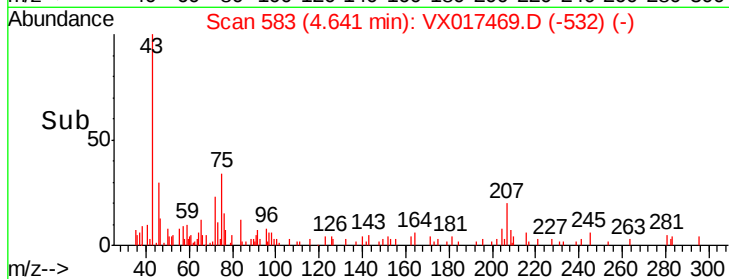
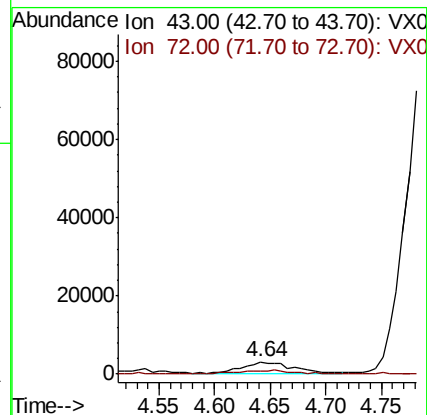
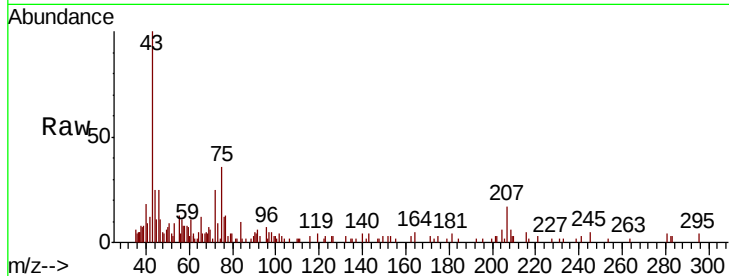
GAY18

Tot Ion: 43 Resp: 8907

Ion Ratio Lower Upper

43 100

72 37.2 12.1 36.3#



#22

cis-1,2-Dichloroethene

Concen: 0.602 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

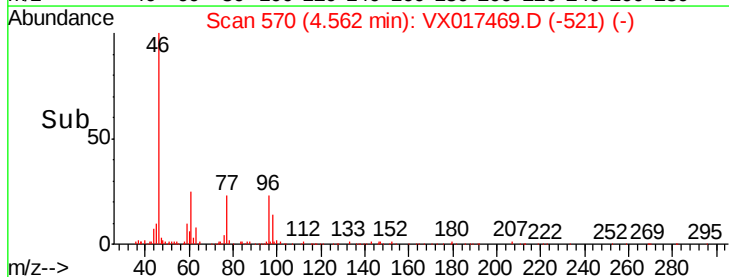
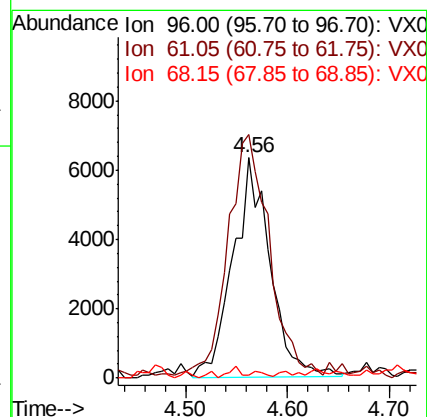
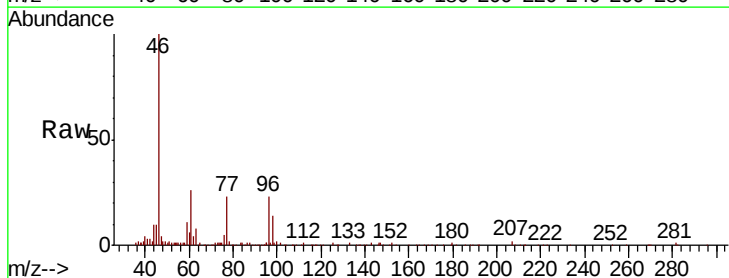
Tgt Ion: 96 Resp: 15854

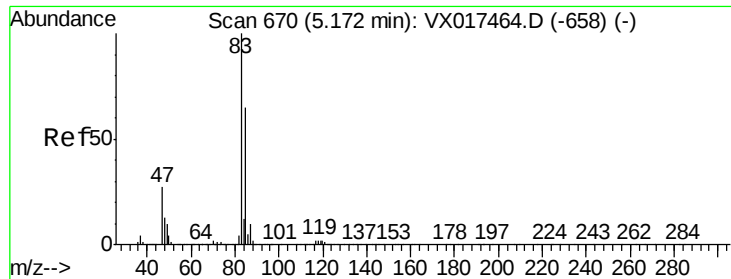
Ion Ratio Lower Upper

96 100

61 110.6 91.6 170.2

68 1.2 0.0 0.0#





#25

Chloroform

Concen: 0.117 ug/L

RT: 5.17 min Scan# 670

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

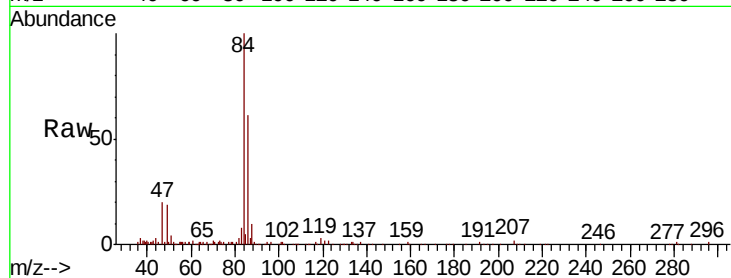
GAY18

Tot Ion: 83 Resp: 5756

Ion Ratio Lower Upper

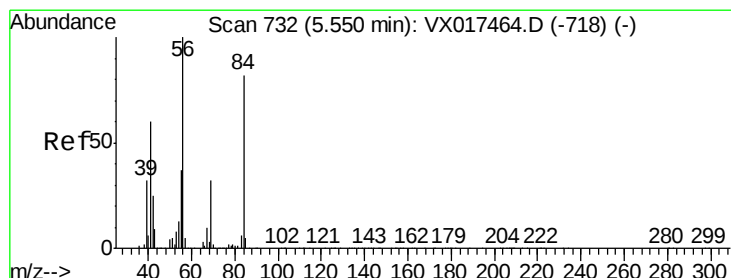
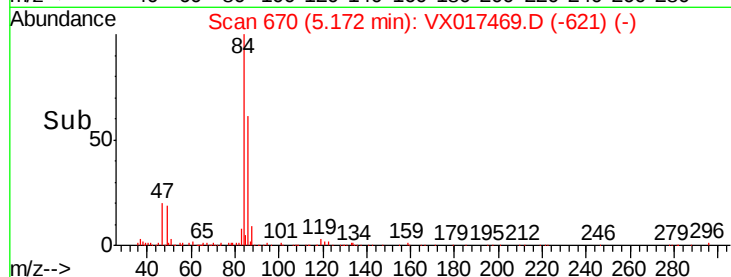
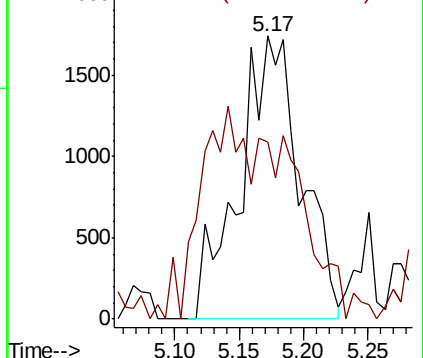
83 100

85 62.7 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#30

Cyclohexane

Concen: 0.225 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

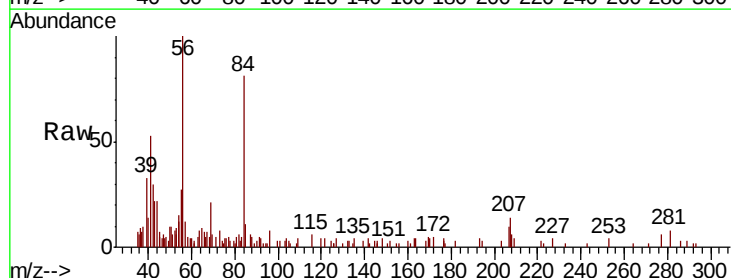
Tgt Ion: 56 Resp: 8264

Ion Ratio Lower Upper

56 100

69 23.3 25.4 38.2#

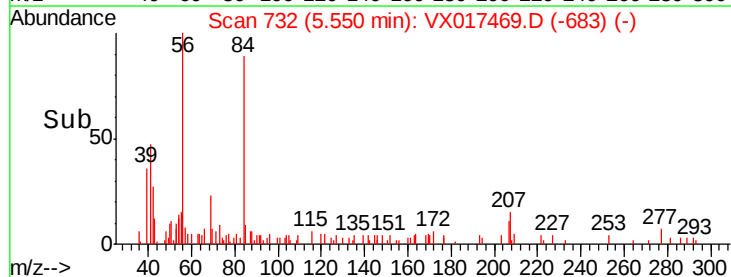
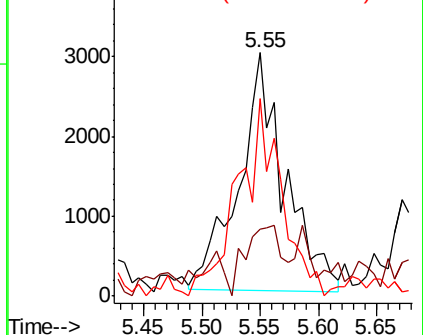
84 77.3 69.3 103.9

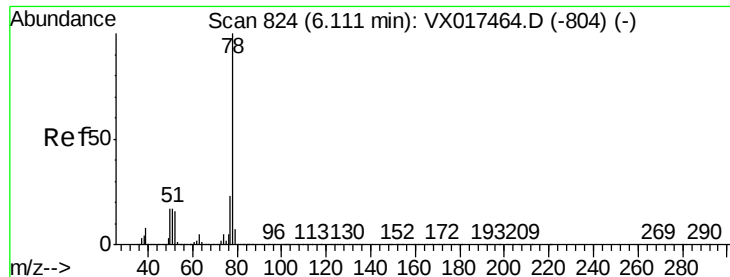


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0





#33

Benzene

Concen: 0.399 ug/L

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

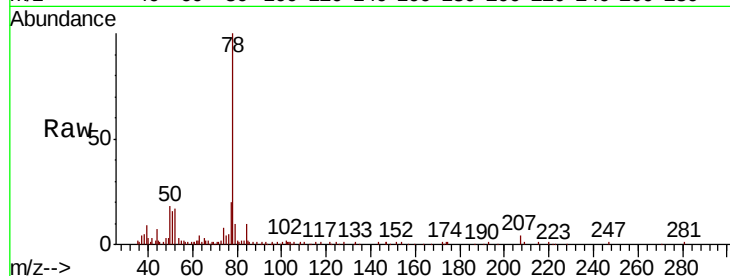
Instrument :

MSVOA_X

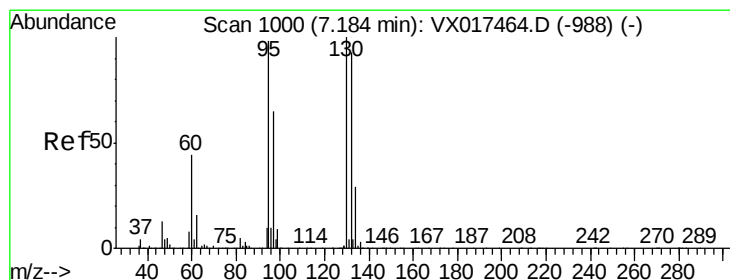
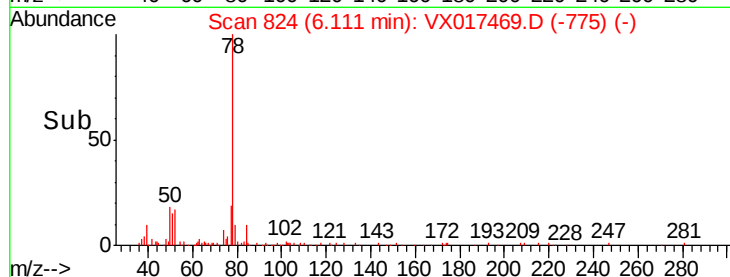
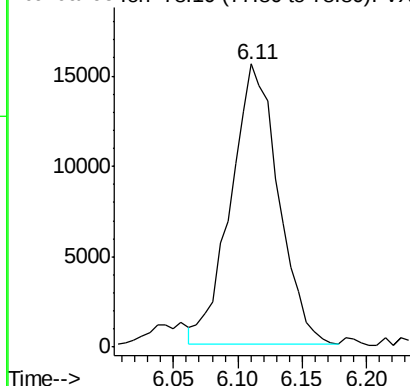
ClientSampled :

GAY18

Tgt Ion: 78 Resp: 39780



Abundance Ion 78.10 (77.80 to 78.80): VX0



#34

Trichloroethene

Concen: 0.230 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Tgt Ion: 95 Resp: 6191

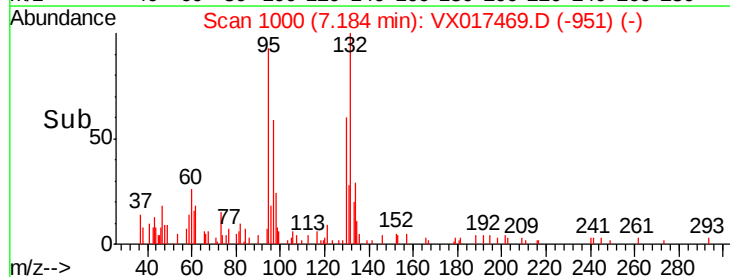
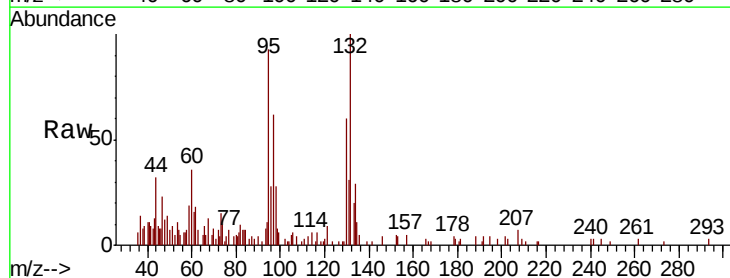
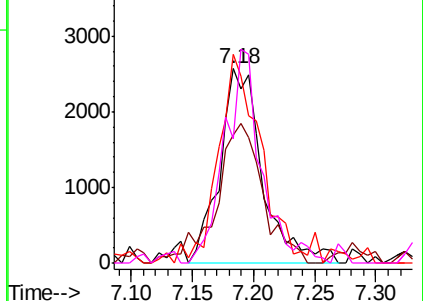
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.9	85.3
132	107.0	65.5	121.7
130	63.9	66.5	123.5#

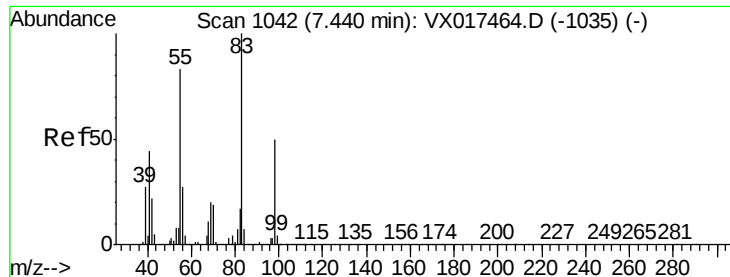
Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.199 ug/L

RT: 7.44 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

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ClientSampleId :

GAY18

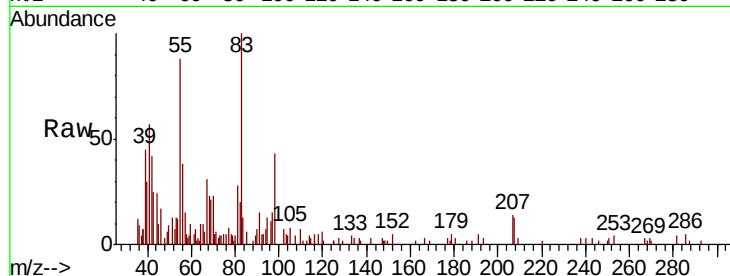
Tot Ion: 83 Resp: 7235

Ion Ratio Lower Upper

83 100

55 96.4 65.4 98.2

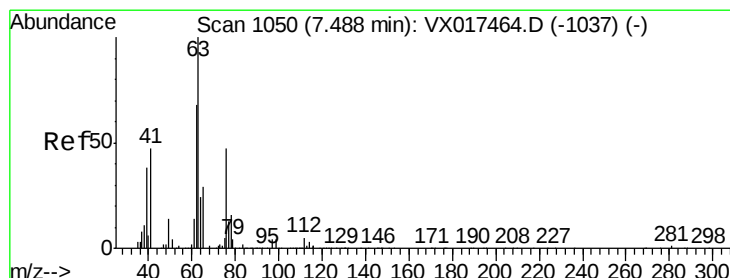
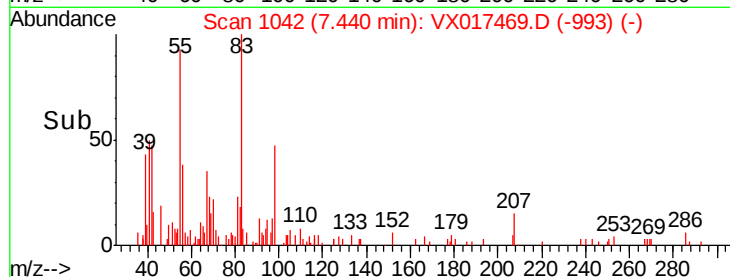
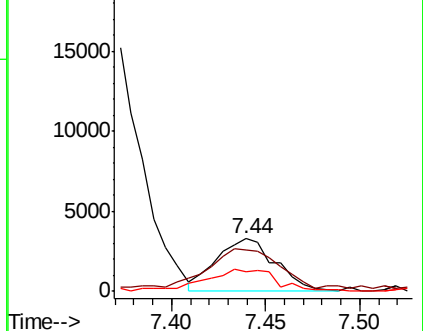
98 51.2 39.8 59.8



Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0



#37

1,2-Dichloropropane

Concen: 0.610 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VX017469.D

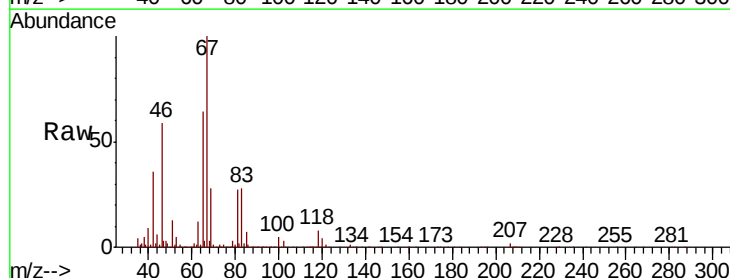
Acq: 22 Jul 2020 16:41

Tgt Ion: 63 Resp: 15272

Ion Ratio Lower Upper

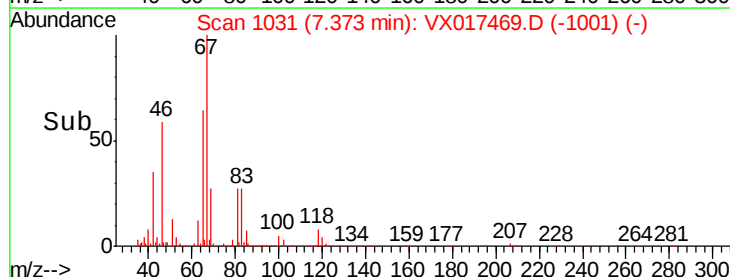
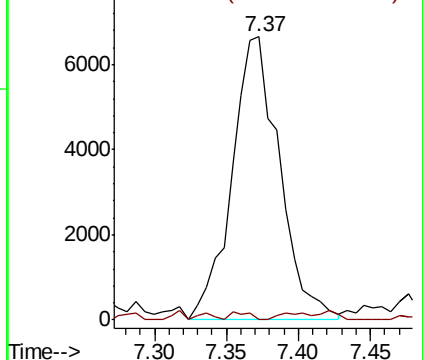
63 100

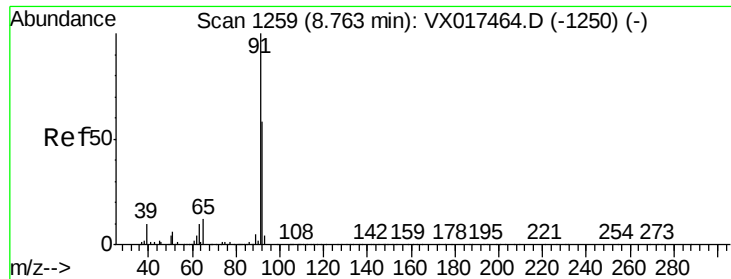
112 1.2 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 1.569 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

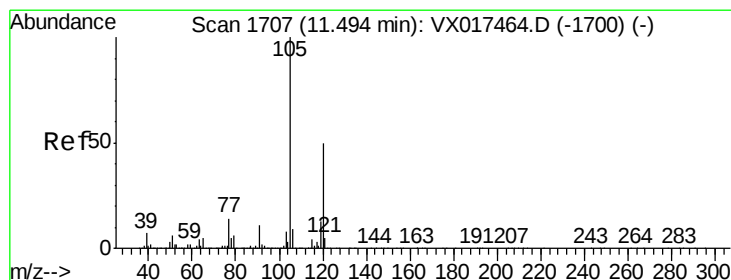
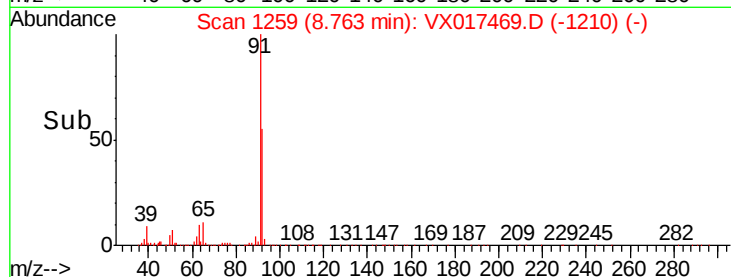
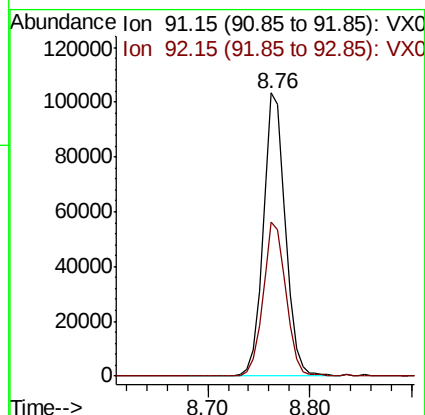
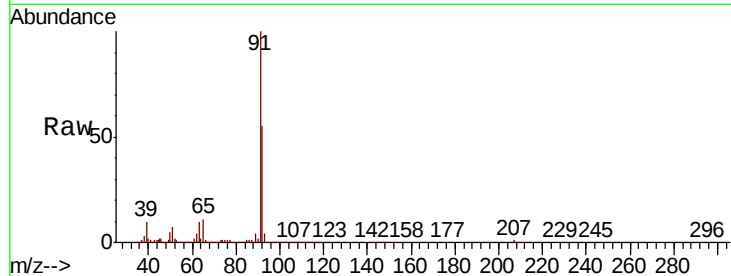
GAY18

Tot Ion: 91 Resp: 156753

Ion Ratio Lower Upper

91 100

92 54.5 39.9 74.1



#43

1,3,5-Trimethylbenzene

Concen: 0.151 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017469.D

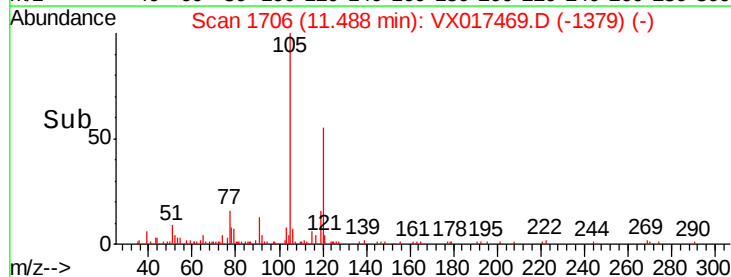
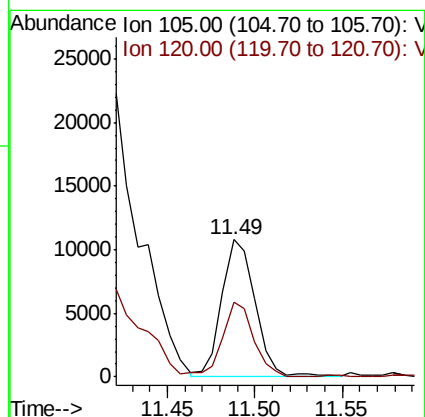
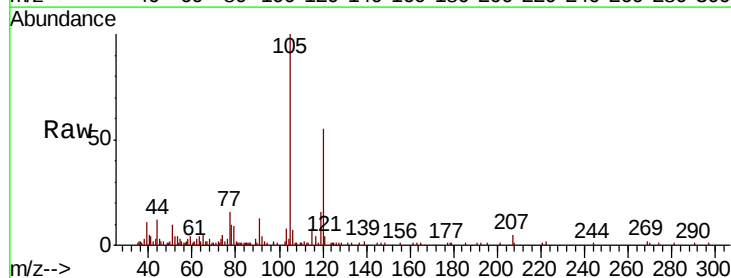
Acq: 22 Jul 2020 16:41

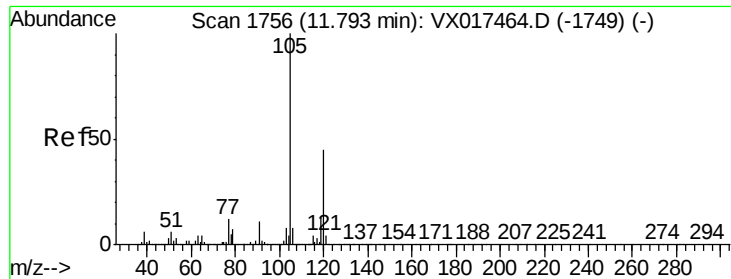
Tgt Ion: 105 Resp: 14066

Ion Ratio Lower Upper

105 100

120 50.3 38.2 57.2





#44

1,2,4-Trimethylbenzene

Concen: 0.483 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

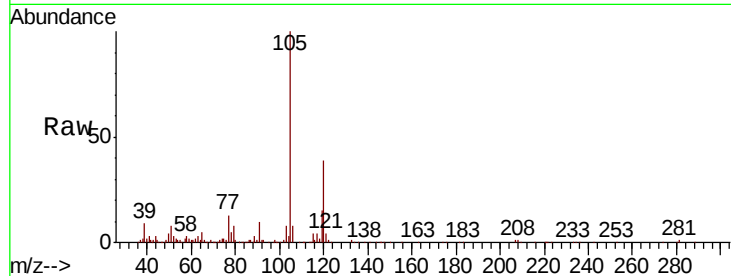
GAY18

Tot Ion:105 Resp: 44535

Ion Ratio Lower Upper

105 100

120 44.0 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.79

40000

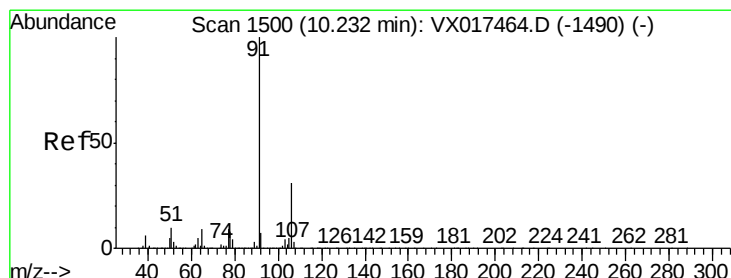
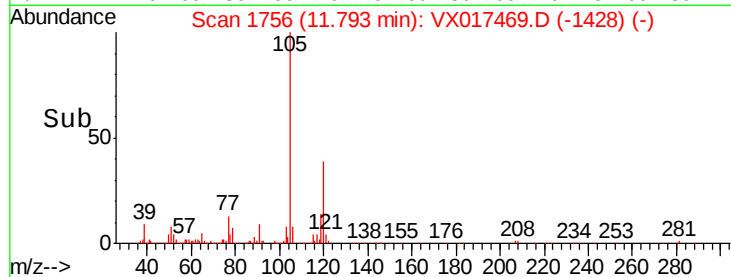
30000

20000

10000

0

Time--> 11.70 11.75 11.80 11.85



#54

Ethylbenzene

Concen: 0.619 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017469.D

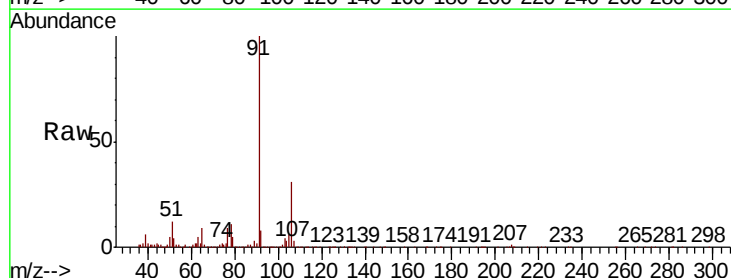
Acq: 22 Jul 2020 16:41

Tgt Ion: 91 Resp: 67063

Ion Ratio Lower Upper

91 100

106 31.0 22.5 41.7



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V

120000

100000

80000

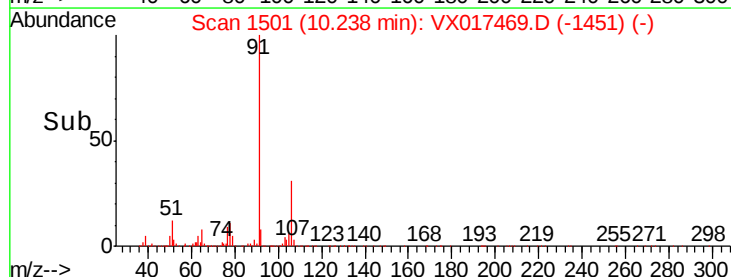
60000

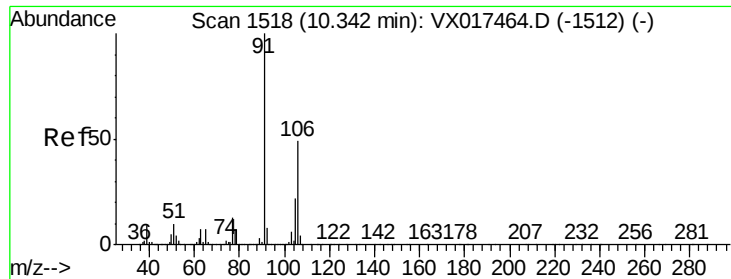
40000

20000

0

Time--> 10.20 10.30





#55

m,p-xylene

Concen: 1.652 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

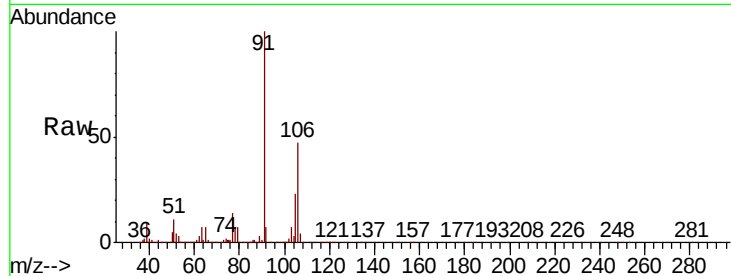
GAY18

Tot Ion:106 Resp: 71440

Ion Ratio Lower Upper

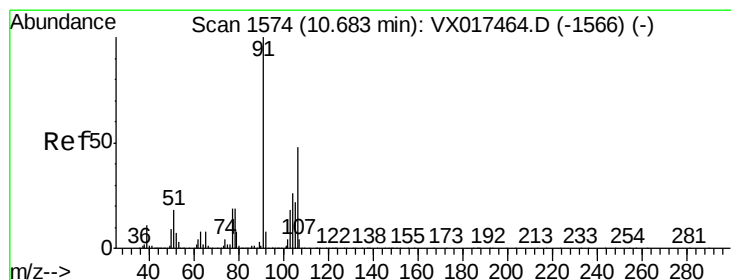
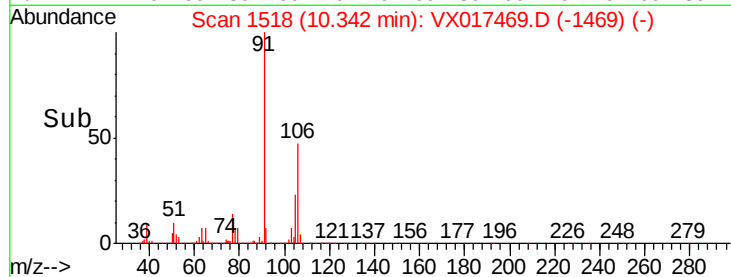
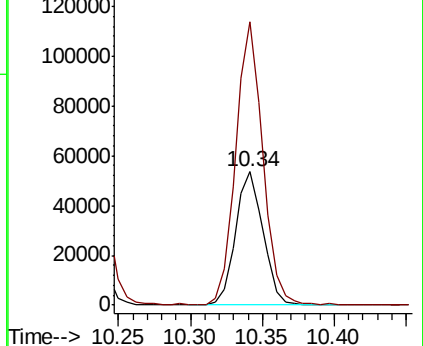
106 100

91 212.5 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.631 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017469.D

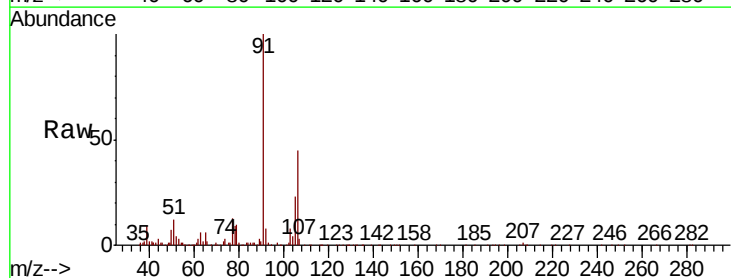
Acq: 22 Jul 2020 16:41

Tgt Ion:106 Resp: 26475

Ion Ratio Lower Upper

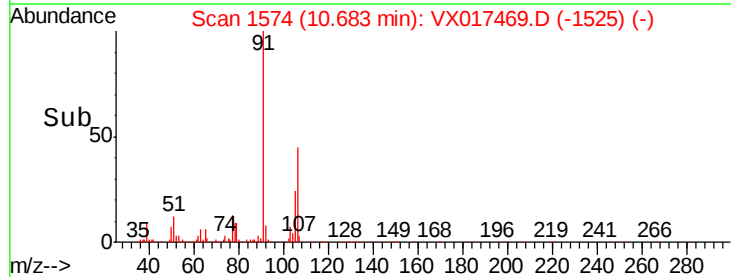
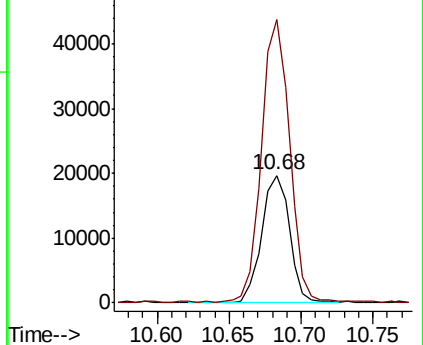
106 100

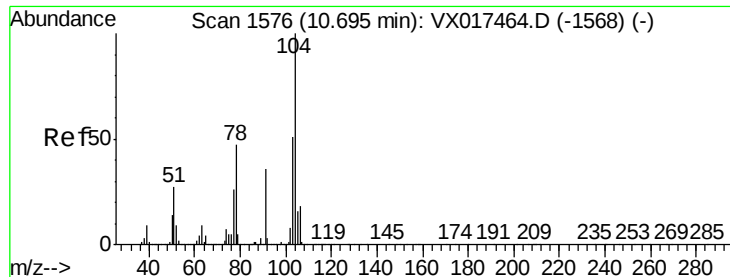
91 221.9 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#57

Stvrene

Concen: 0.067 ug/L

RT: 10.70 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

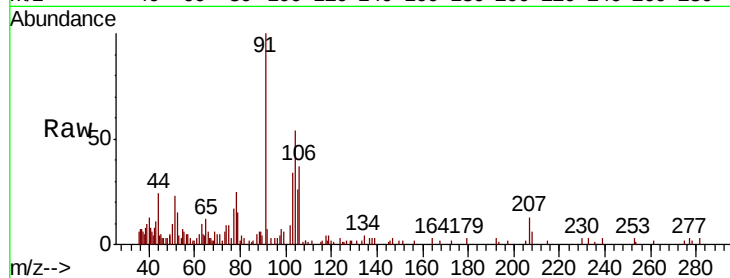
GAY18

Tot Ion:104 Resp: 4666

Ion Ratio Lower Upper

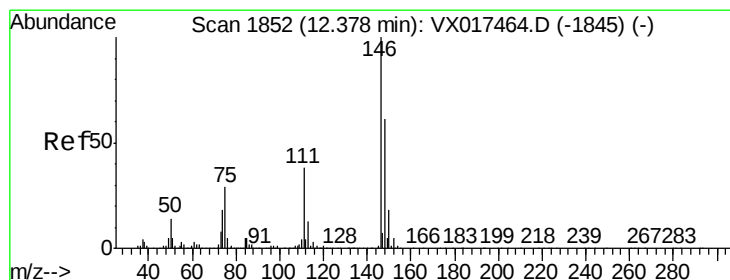
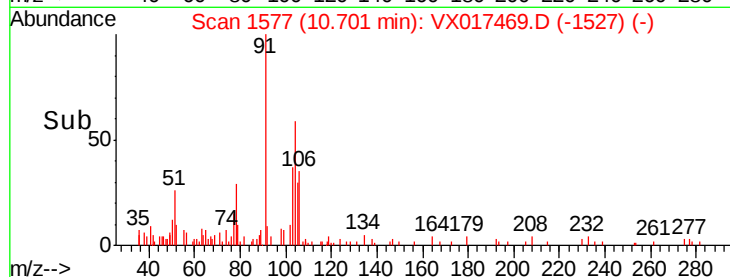
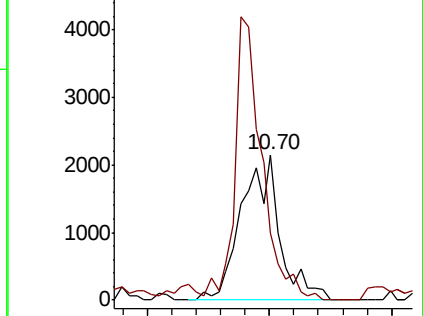
104 100

78 46.2 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0



#66

1,2-Dichlorobenzene

Concen: 0.055 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

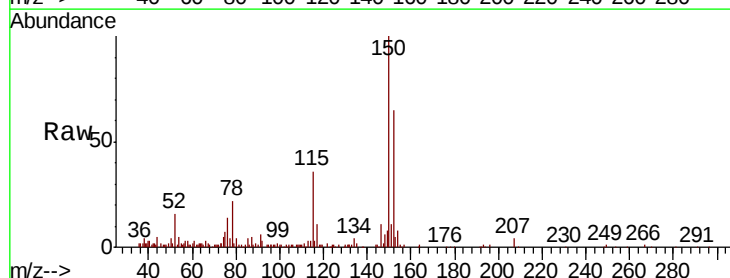
Tgt Ion:146 Resp: 2708

Ion Ratio Lower Upper

146 100

111 25.0 31.8 47.6#

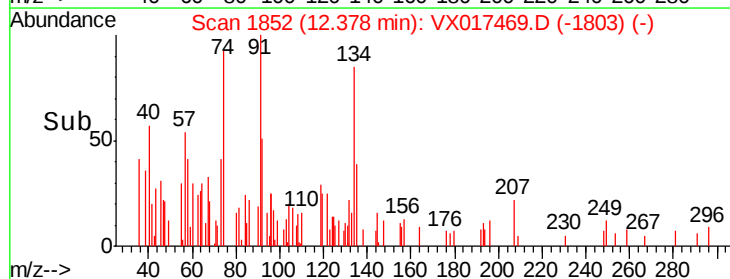
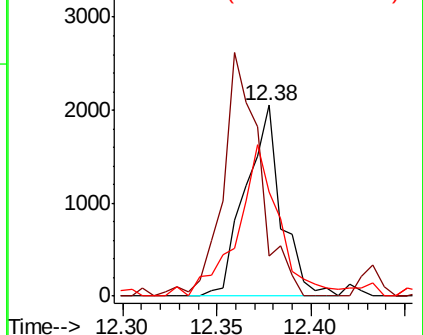
148 54.8 51.8 77.8

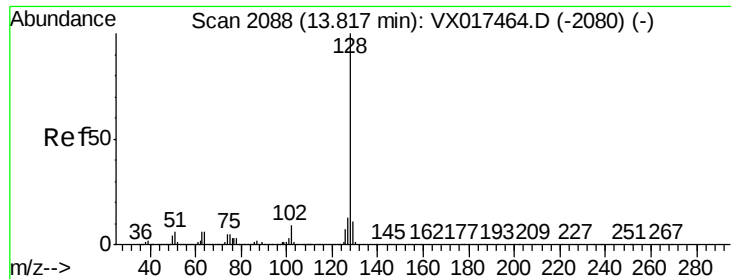


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#70

Naphthalene

Concen: 0.174 ug/L

RT: 13.82 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VX017469.D

Acq: 22 Jul 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

GAY18

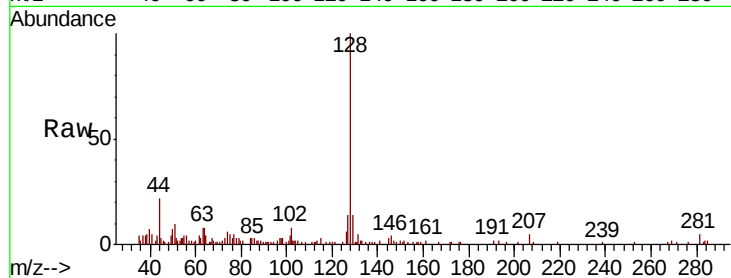
Tot Ion:128 Resp: 10057

Ion Ratio Lower Upper

128 100

129 12.8 8.7 13.1

127 19.2 10.2 15.4#



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

