

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011840.D
 Acq On : 14 Dec 2022 13:18
 Operator : KP/MD
 Sample : N6026-02
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-29-SB02

Quant Time: Dec 15 01:19:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

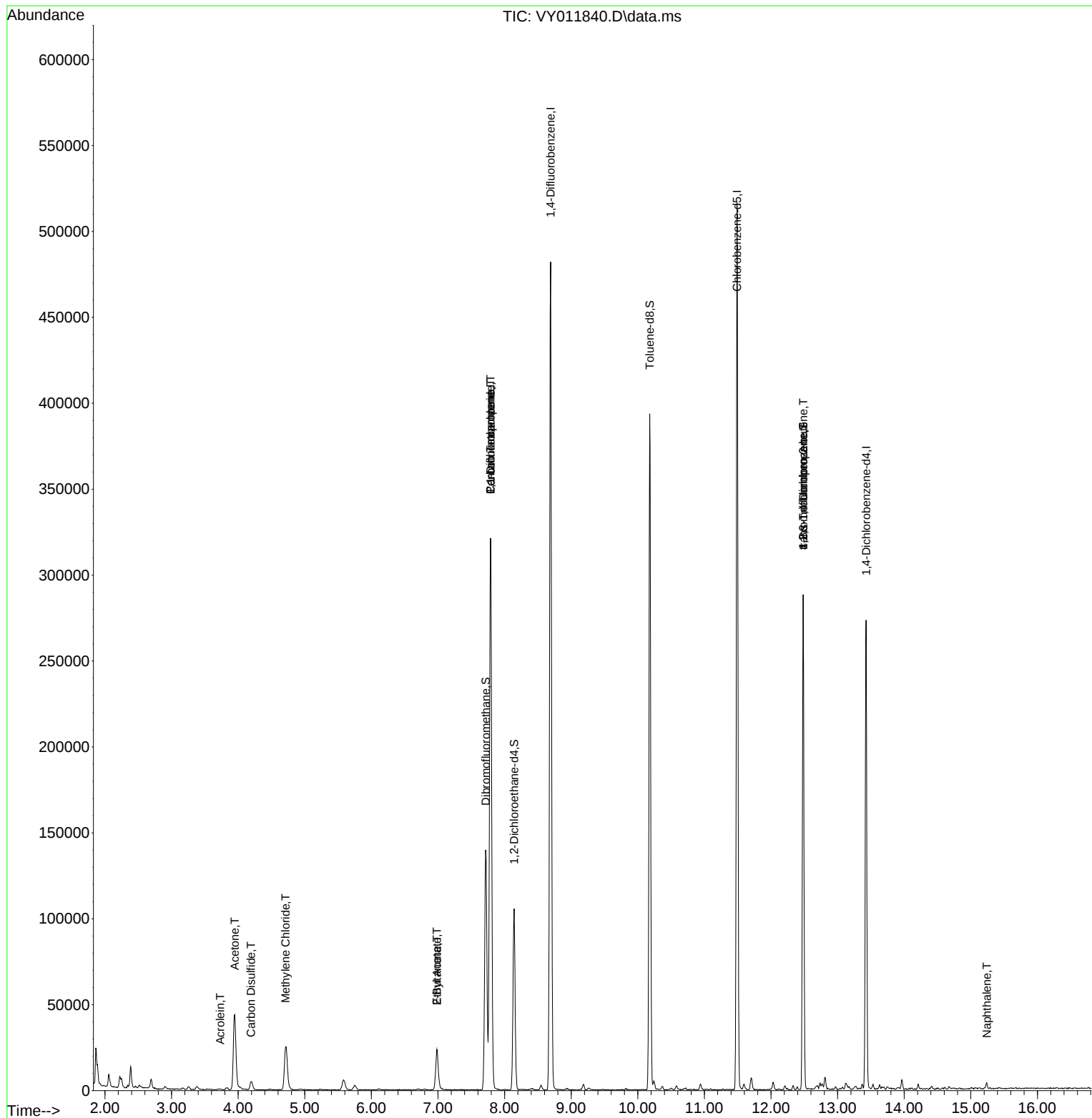
Internal Standards						
1) Pentafluorobenzene	7.789	168	250913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	411696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	73120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	80931	46.978	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.960%
35) Dibromofluoromethane	7.715	113	99275	54.635	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.260%
50) Toluene-d8	10.178	98	260824	42.496	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	85.000%
62) 4-Bromofluorobenzene	12.483	95	85629	34.454	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	68.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	128	Below Cal	#	41
3) Chloromethane	2.119	50	260	Below Cal		91
4) Vinyl Chloride	2.253	62	140	Below Cal	#	43
5) Bromomethane	2.655	94	181	Below Cal		99
11) Tert butyl alcohol	4.942	59	702	Below Cal	#	74
13) Acrolein	3.728	56	383	1.083	ug/l #	47
16) Acetone	3.948	43	79460	115.978	ug/l	96
17) Carbon Disulfide	4.192	76	8540	2.014	ug/l	99
18) Methyl Acetate	4.472	43	380	Below Cal	#	50
20) Methylene Chloride	4.710	84	19552	2.427	ug/l	94
25) 2-Butanone	6.984	43	30758	34.901	ug/l	97
31) Cyclohexane	7.789	56	5769	Below Cal	#	16
36) 1,1-Dichloropropene	7.789	75	18636	5.965	ug/l #	50
37) Ethyl Acetate	6.984	43	30758	16.840	ug/l #	74
38) Carbon Tetrachloride	7.789	117	25845	7.043	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	44335	59.930	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44335	135.993	ug/l #	13
95) Naphthalene	15.238	128	3075	1.359	ug/l	96

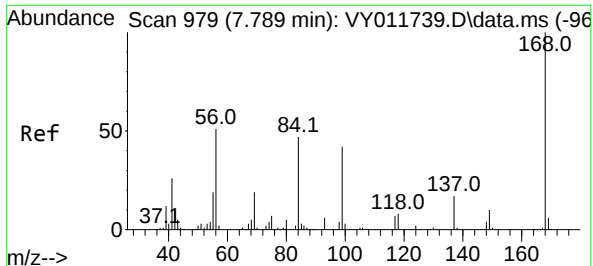
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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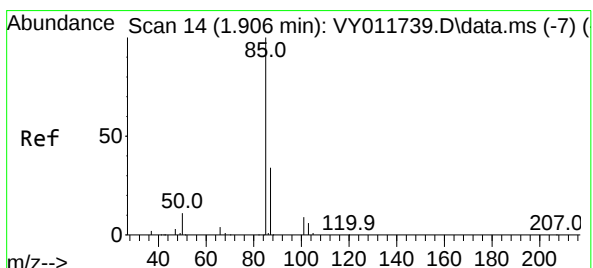
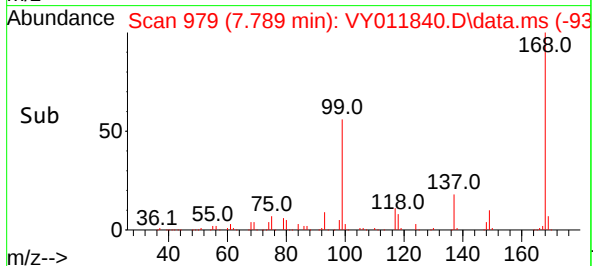
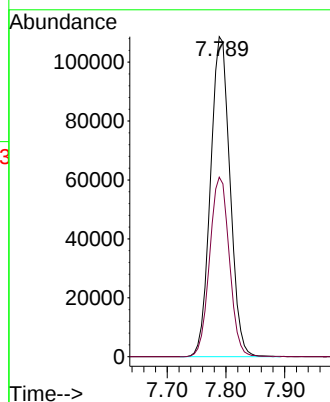
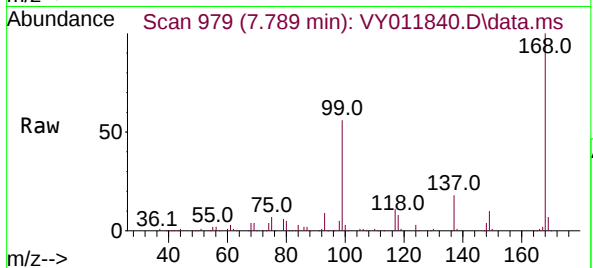




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

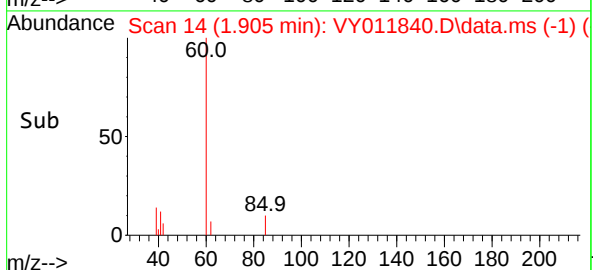
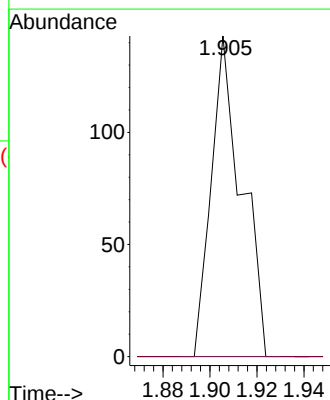
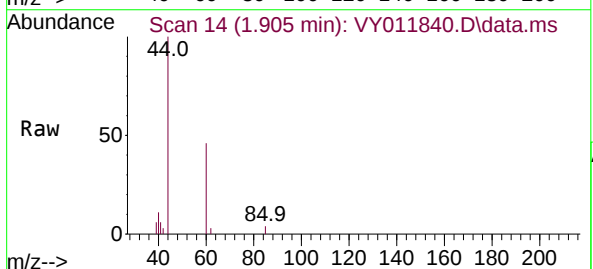
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB02

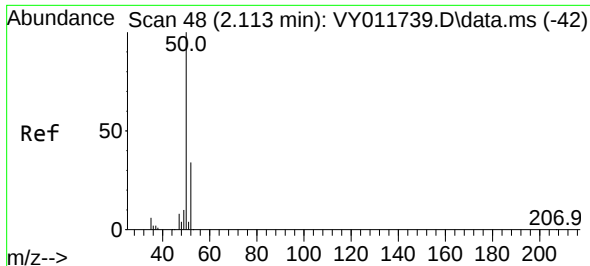
Tgt Ion:168 Resp: 250913
Ion Ratio Lower Upper
168 100
99 56.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.905 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

Tgt Ion: 85 Resp: 128
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

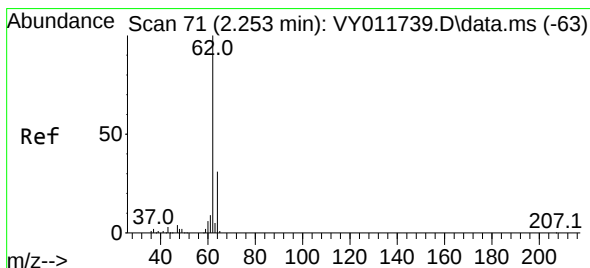
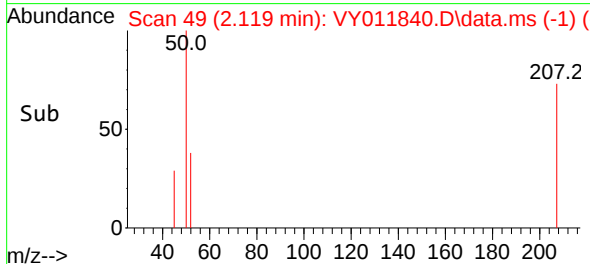
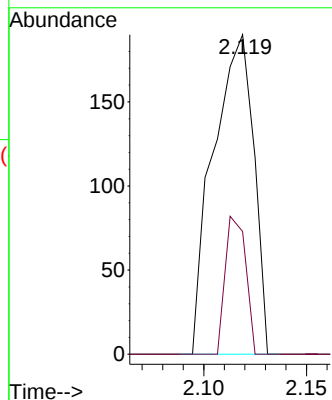
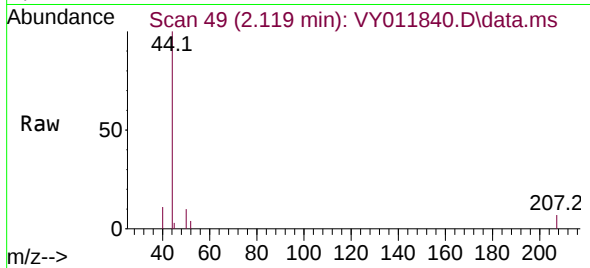




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

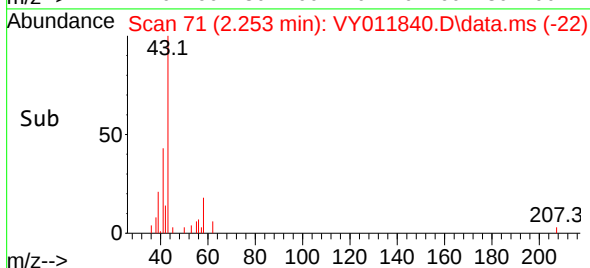
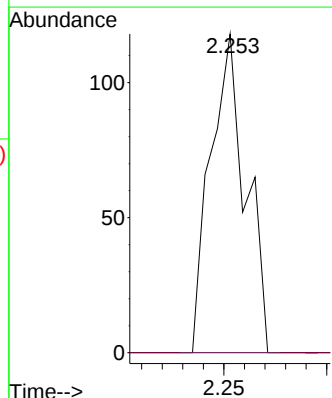
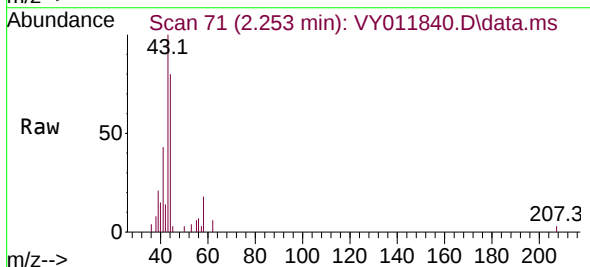
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB02

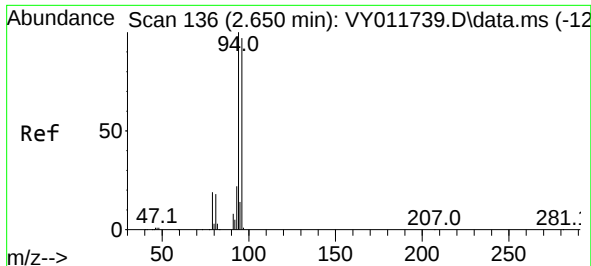
Tgt Ion: 50 Resp: 260
Ion Ratio Lower Upper
50 100
52 38.4 26.8 40.2



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

Tgt Ion: 62 Resp: 140
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

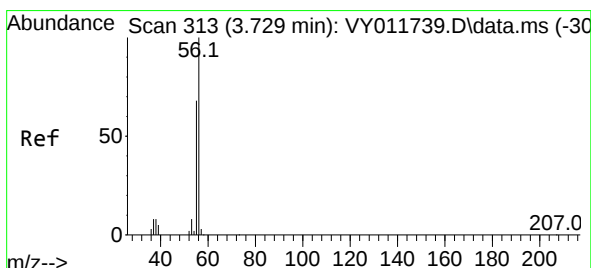
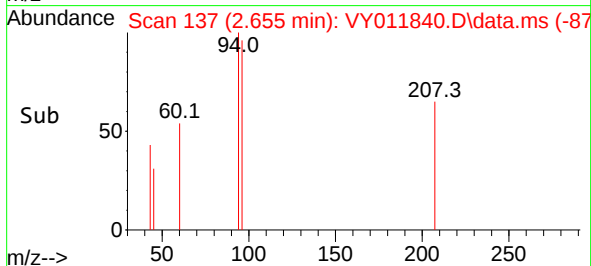
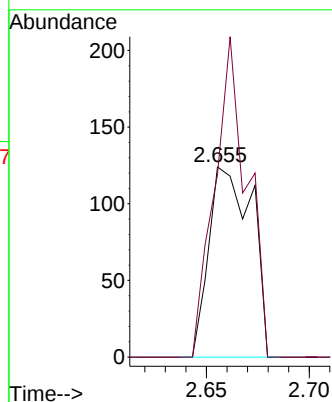
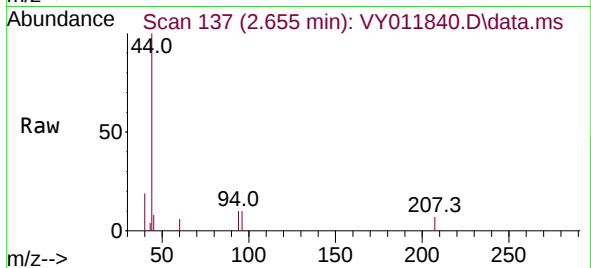




#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

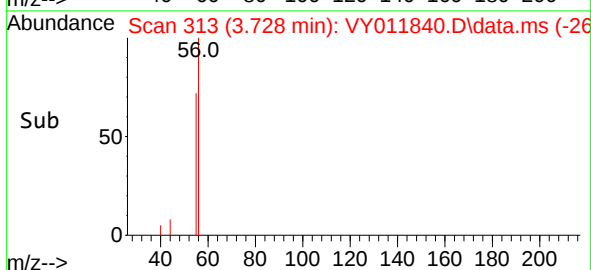
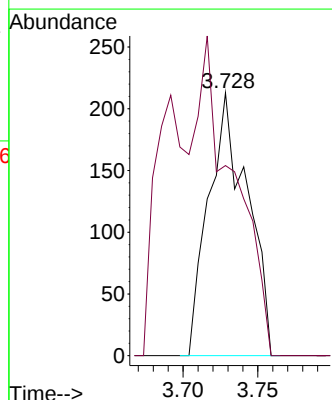
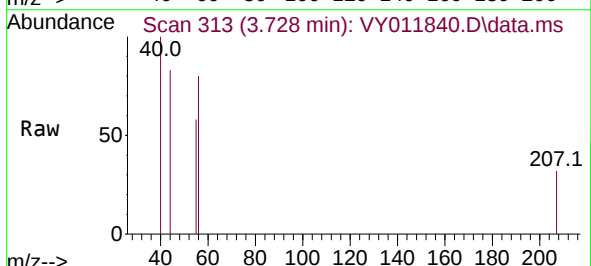
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB02

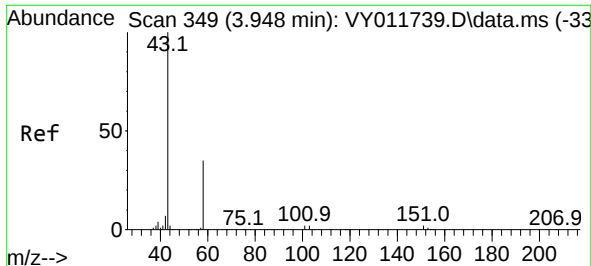
Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 96.0 77.4 116.2



#13
Acrolein
Concen: 1.083 ug/l
RT: 3.728 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

Tgt Ion: 56 Resp: 383
Ion Ratio Lower Upper
56 100
55 114.9 56.6 85.0#





#16

Acetone

Concen: 115.978 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY011840.D

Acq: 14 Dec 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

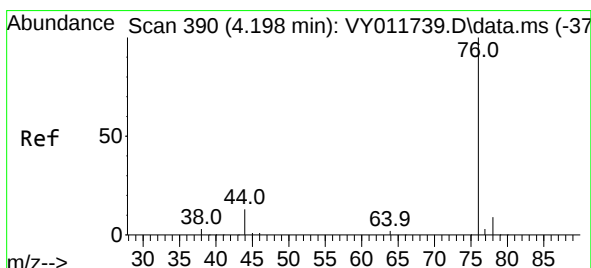
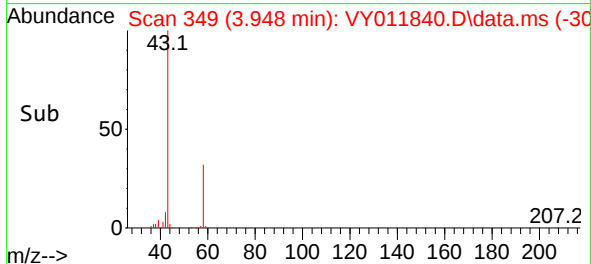
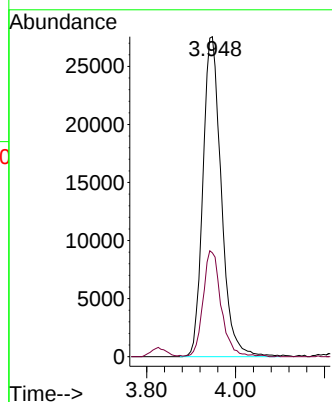
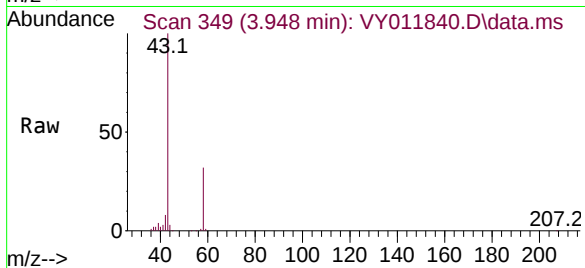
B-29-SB02

Tgt Ion: 43 Resp: 79460

Ion Ratio Lower Upper

43 100

58 32.5 27.9 41.9



#17

Carbon Disulfide

Concen: 2.014 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.007 min

Lab File: VY011840.D

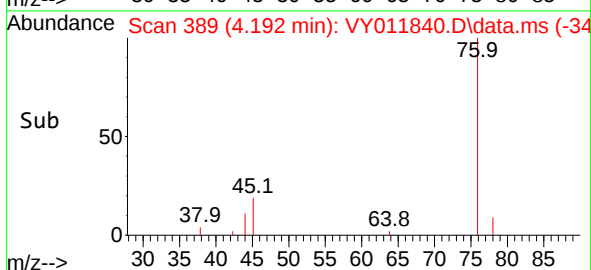
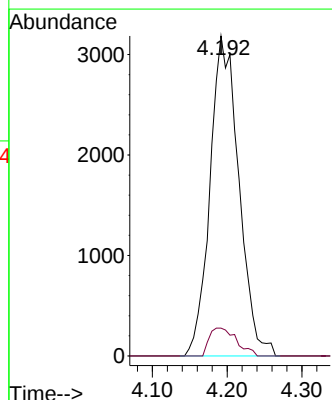
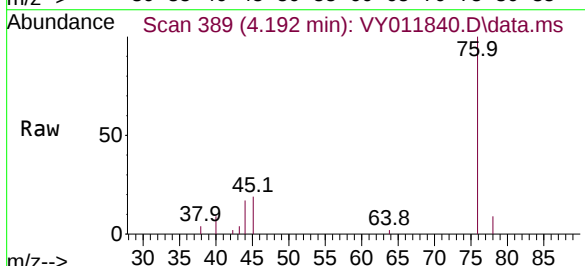
Acq: 14 Dec 2022 13:18

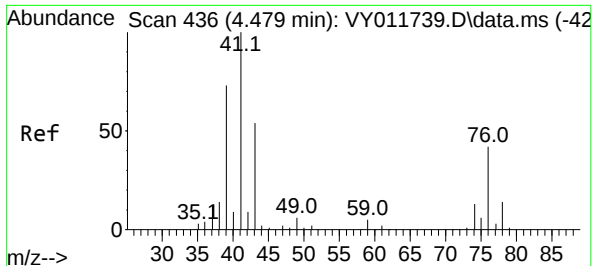
Tgt Ion: 76 Resp: 8540

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8

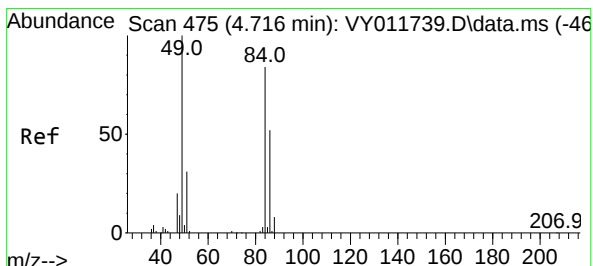
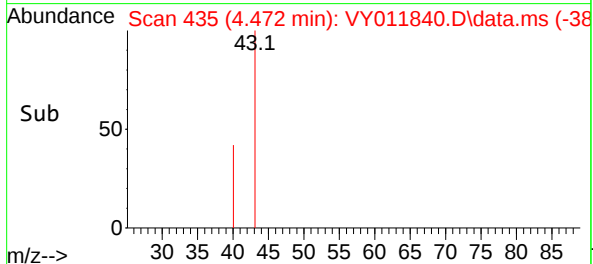
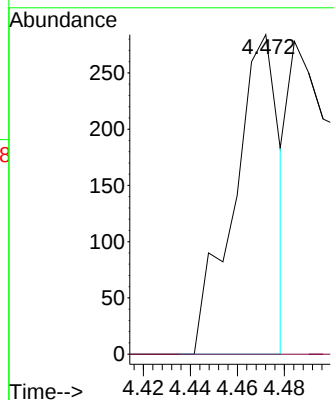
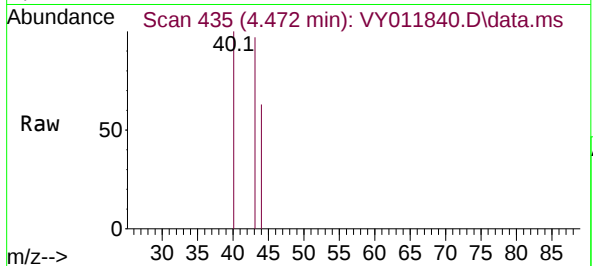




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

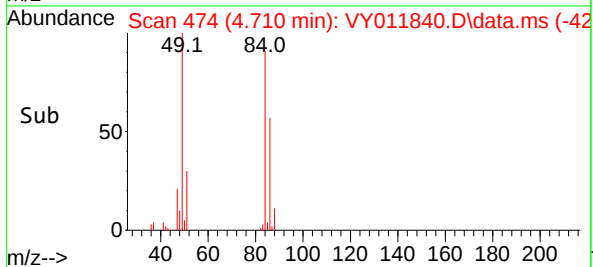
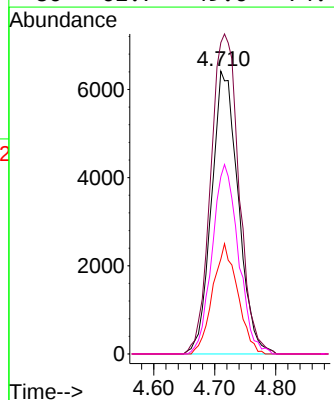
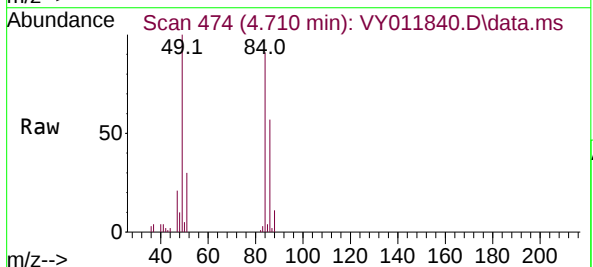
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB02

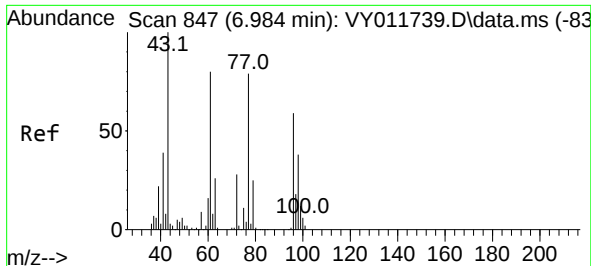
Tgt Ion: 43 Resp: 380
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 2.427 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

Tgt Ion: 84 Resp: 19552
Ion Ratio Lower Upper
84 100
49 110.2 95.4 143.2
51 33.6 29.9 44.9
86 62.7 49.6 74.4

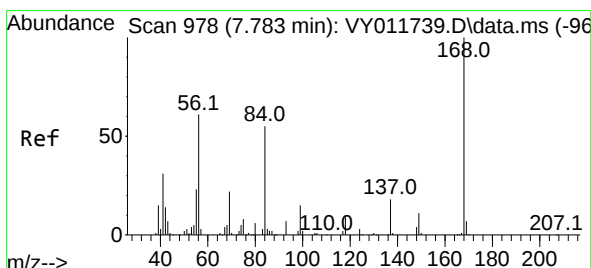
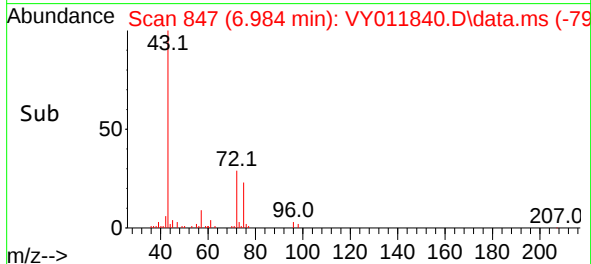
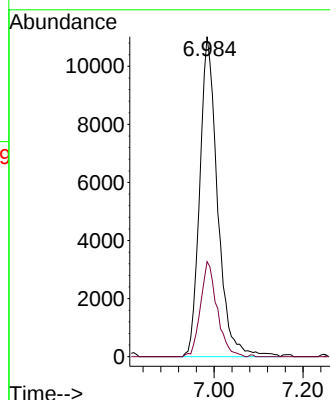
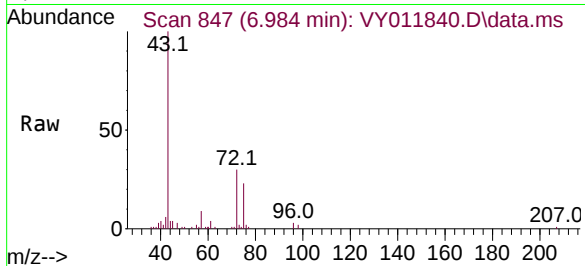




#25
2-Butanone
Concen: 34.901 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

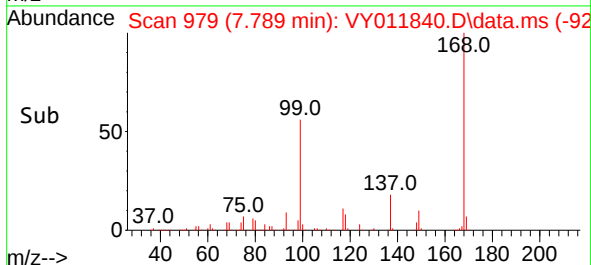
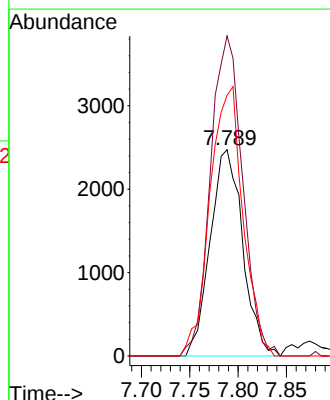
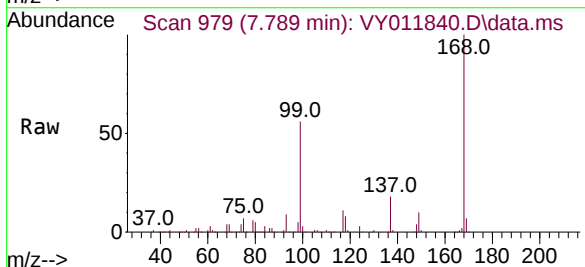
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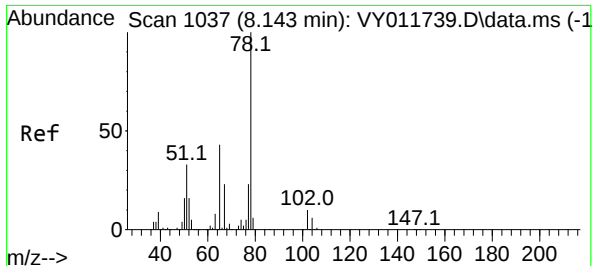
Tgt Ion: 43 Resp: 30758
Ion Ratio Lower Upper
43 100
72 29.7 22.6 34.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

Tgt Ion: 56 Resp: 5769
Ion Ratio Lower Upper
56 100
69 155.1 29.2 43.8#
84 126.3 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 46.978 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011840.D

Acq: 14 Dec 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

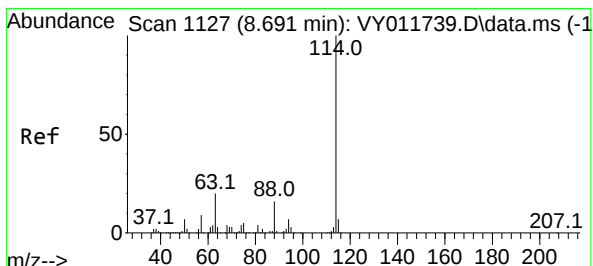
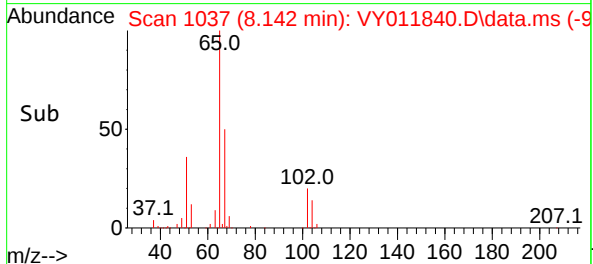
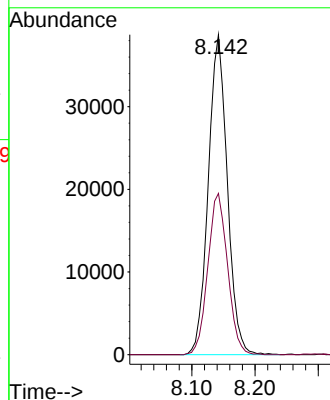
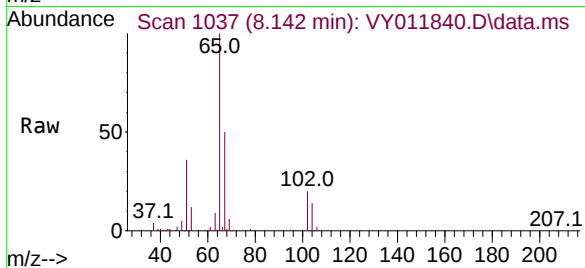
B-29-SB02

Tgt Ion: 65 Resp: 80931

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY011840.D

Acq: 14 Dec 2022 13:18

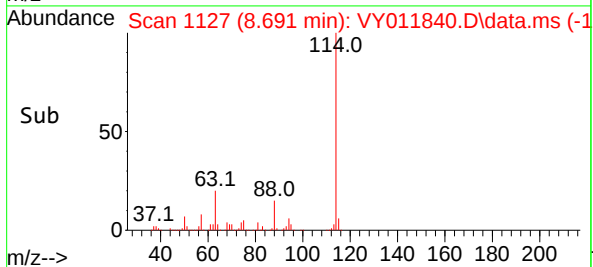
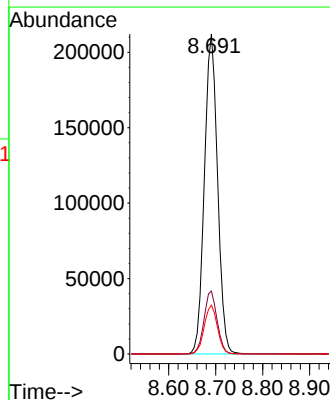
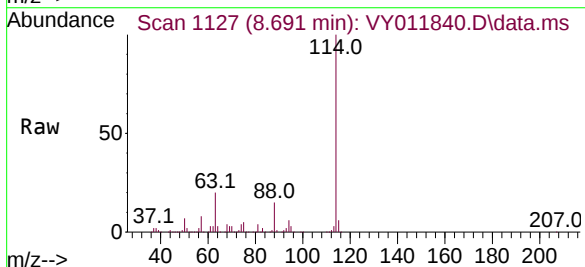
Tgt Ion: 114 Resp: 411696

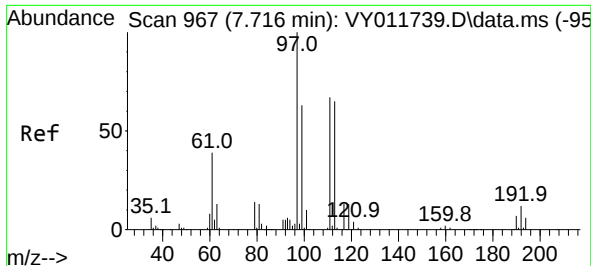
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.3 0.0 32.2

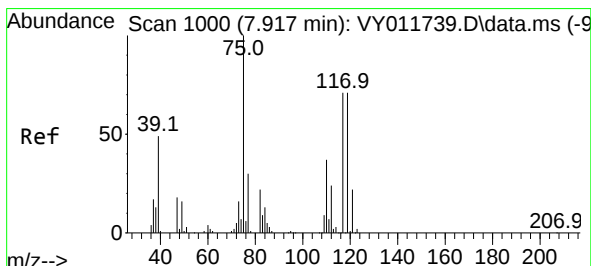
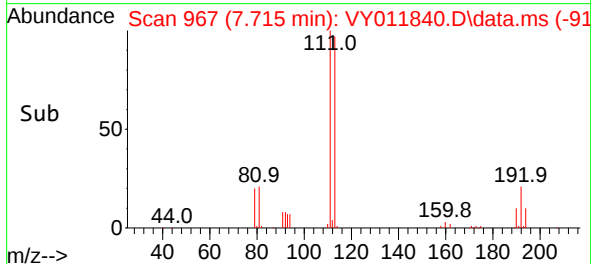
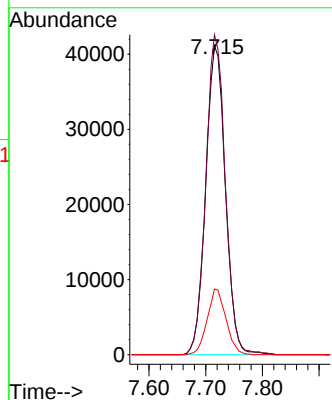
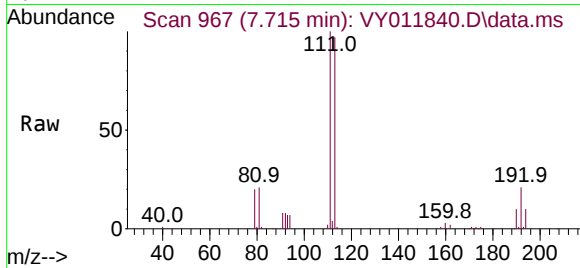




#35
Dibromofluoromethane
Concen: 54.635 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

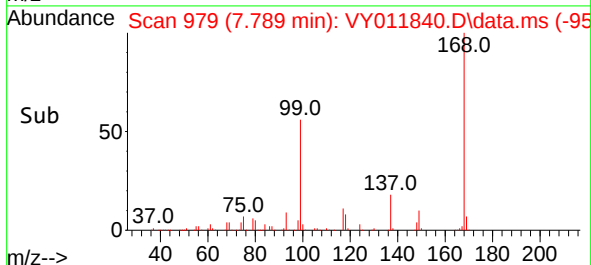
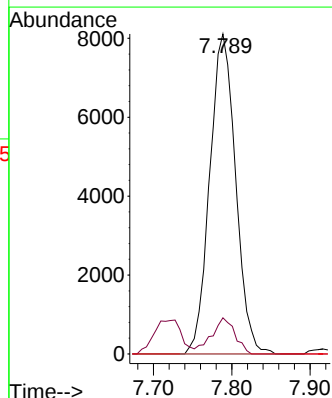
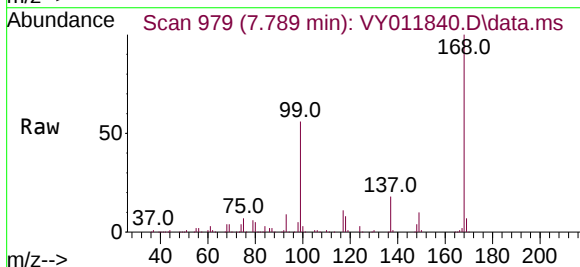
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB02

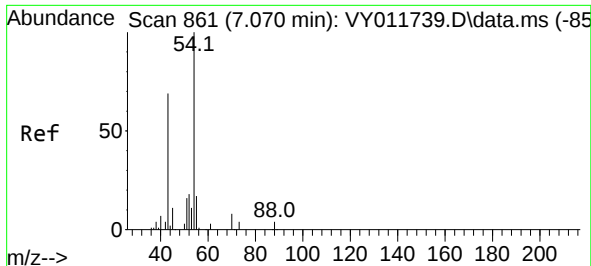
Tgt Ion:113 Resp: 99275
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.4
192 20.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.965 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

Tgt Ion: 75 Resp: 18636
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 16.840 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011840.D

Acq: 14 Dec 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

B-29-SB02

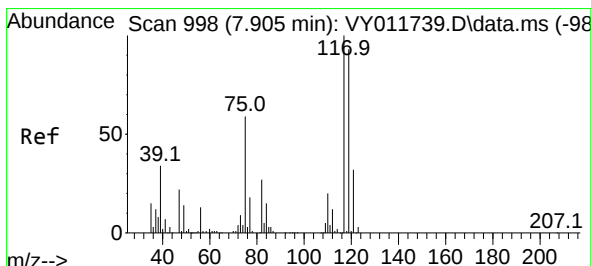
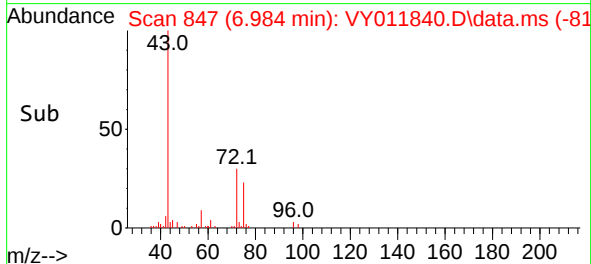
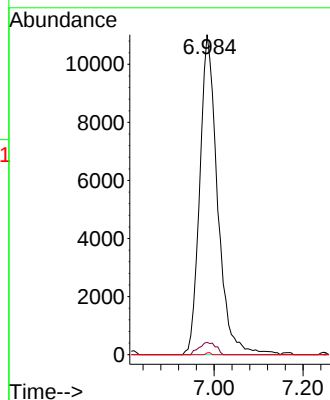
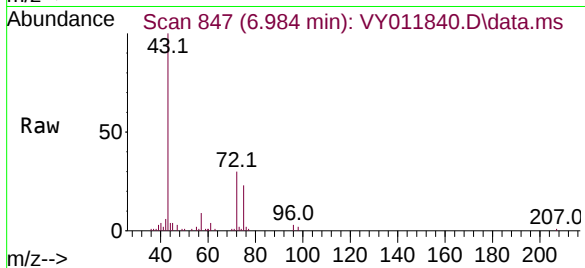
Tgt Ion: 43 Resp: 30758

Ion Ratio Lower Upper

43 100

61 3.6 11.3 16.9#

70 0.1 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 7.043 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011840.D

Acq: 14 Dec 2022 13:18

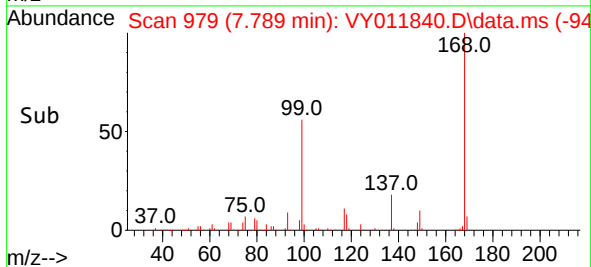
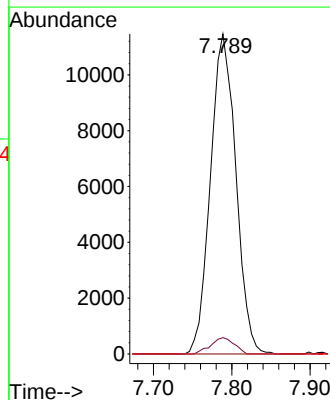
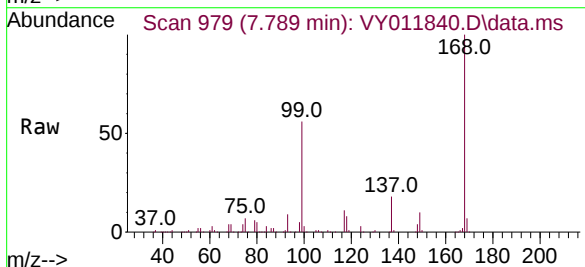
Tgt Ion: 117 Resp: 25845

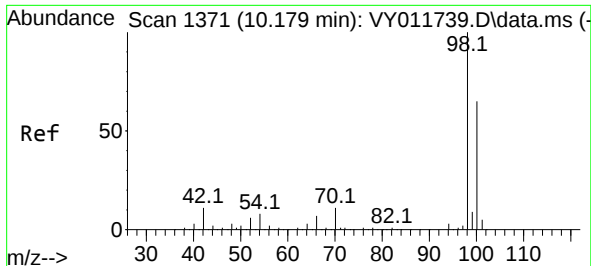
Ion Ratio Lower Upper

117 100

119 5.1 73.8 110.8#

121 0.0 25.2 37.8#

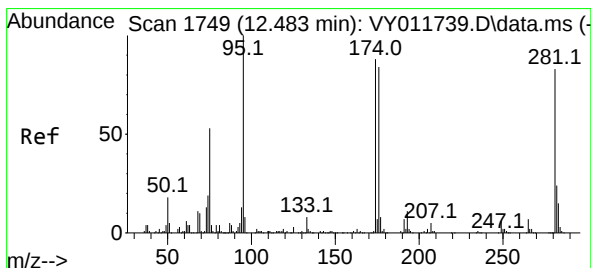
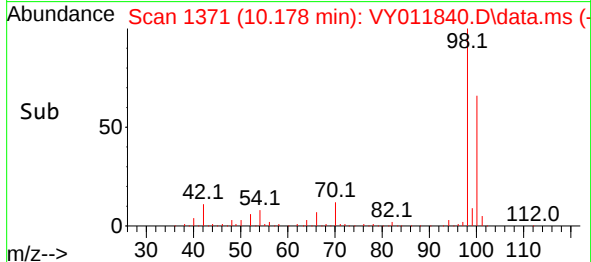
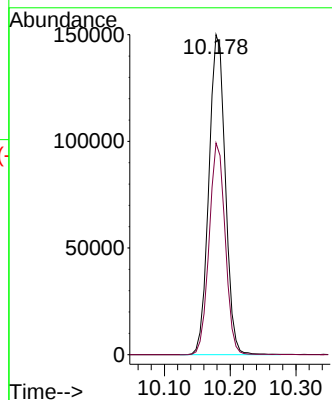
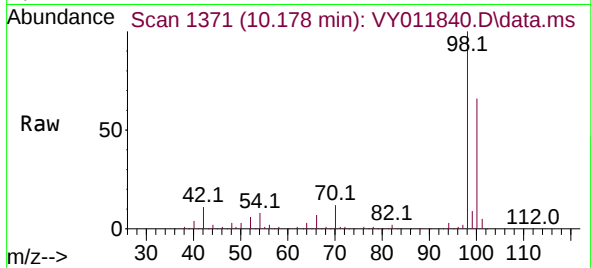




#50
Toluene-d8
Concen: 42.496 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

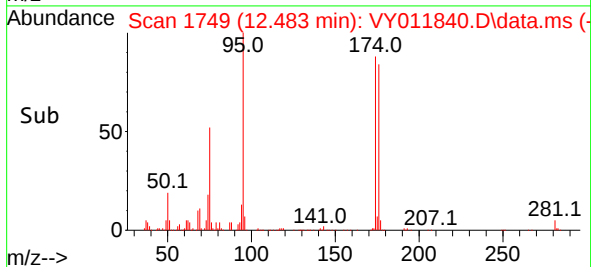
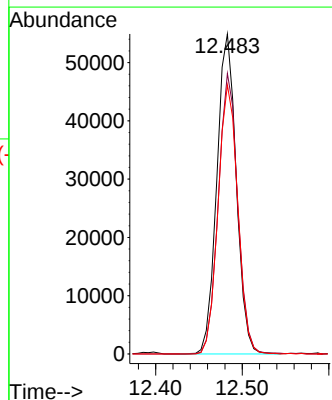
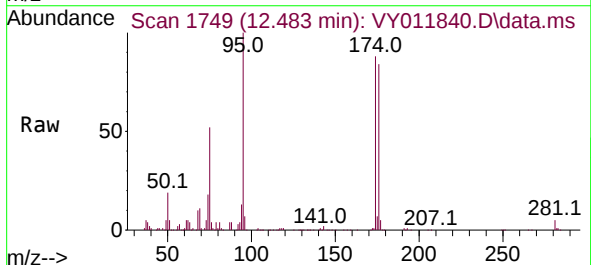
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB02

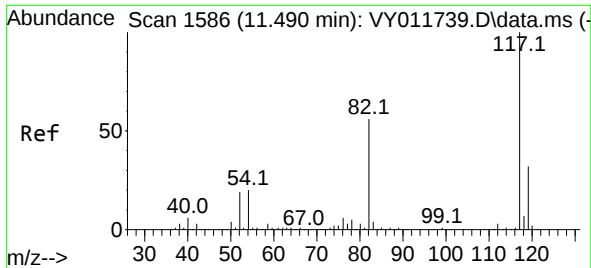
Tgt Ion: 98 Resp: 260824
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 34.454 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

Tgt Ion: 95 Resp: 85629
Ion Ratio Lower Upper
95 100
174 87.3 0.0 172.0
176 85.1 0.0 167.6

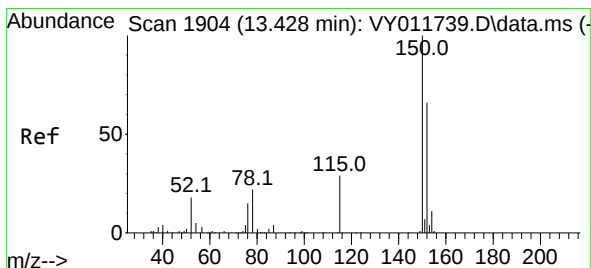
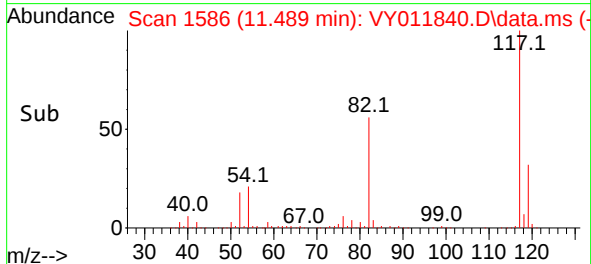
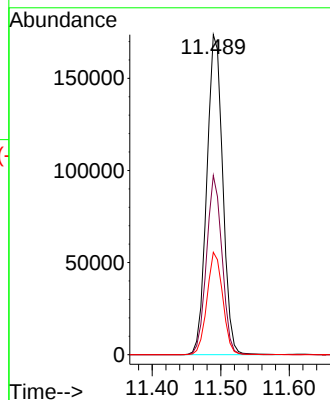
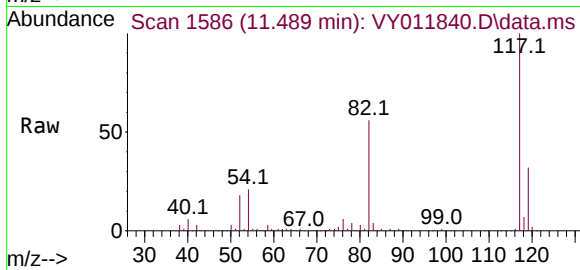




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

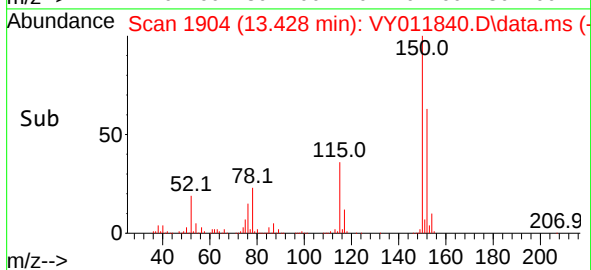
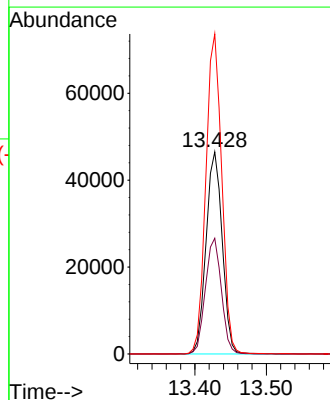
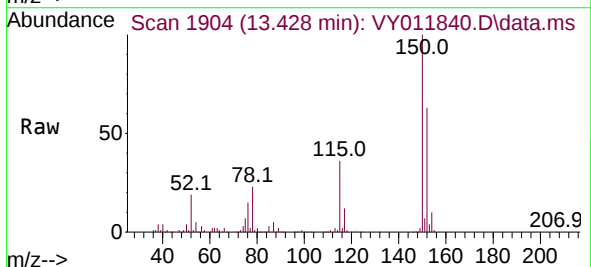
Instrument :
MSVOA_Y
ClientSampleId :
B-29-SB02

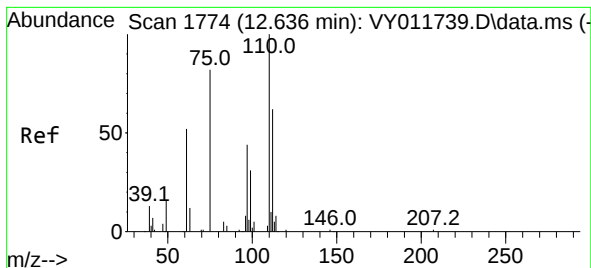
Tgt Ion:117 Resp: 281229
Ion Ratio Lower Upper
117 100
82 56.0 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011840.D
Acq: 14 Dec 2022 13:18

Tgt Ion:152 Resp: 73120
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.3
150 155.3 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 59.930 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY011840.D

Acq: 14 Dec 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

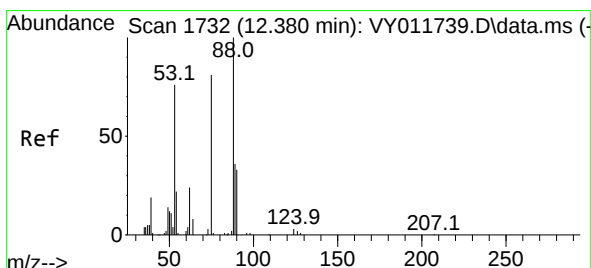
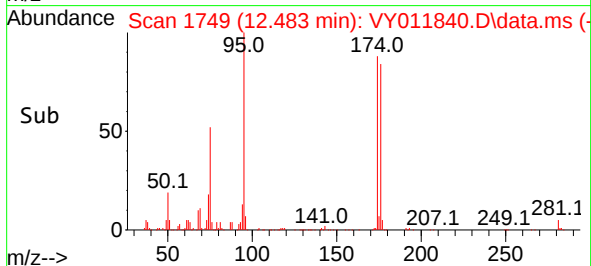
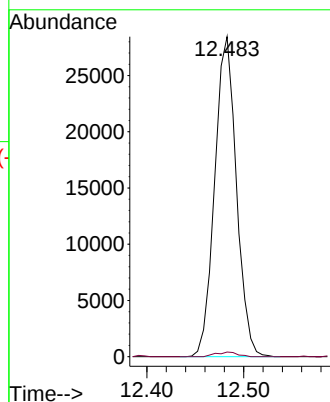
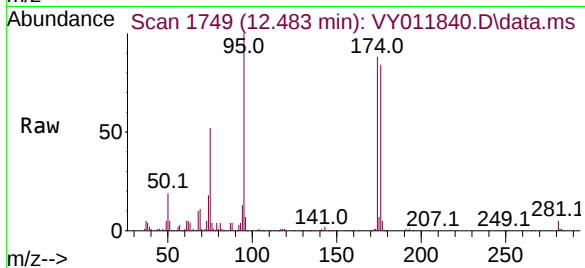
B-29-SB02

Tgt Ion: 75 Resp: 44335

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.993 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY011840.D

Acq: 14 Dec 2022 13:18

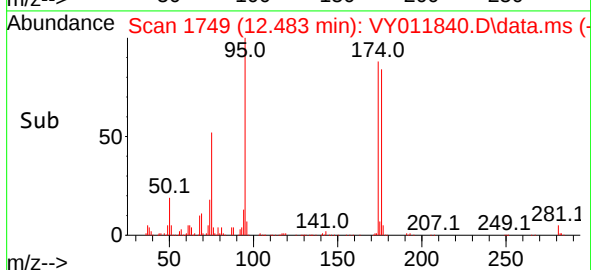
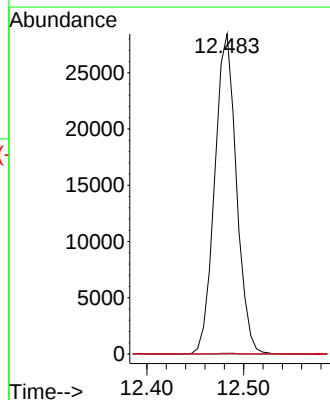
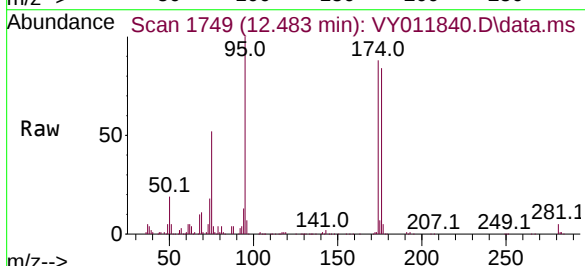
Tgt Ion: 75 Resp: 44335

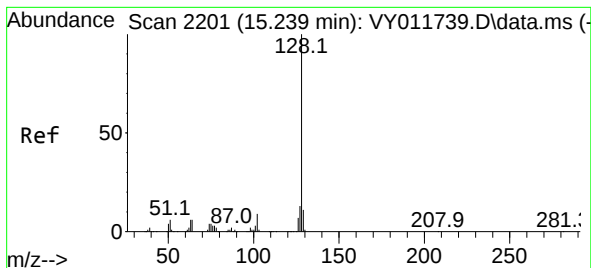
Ion Ratio Lower Upper

75 100

53 0.2 72.5 108.7#

89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 1.359 ug/l

RT: 15.238 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011840.D

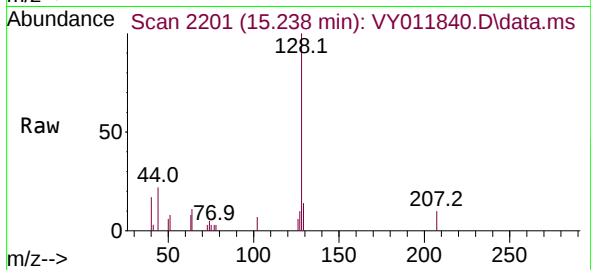
Acq: 14 Dec 2022 13:18

Instrument :

MSVOA_Y

ClientSampleId :

B-29-SB02



Tgt Ion:128 Resp: 3075

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

129 13.0 8.8 13.2

