

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050923\
 Data File : VY013669.D
 Acq On : 09 May 2023 15:35
 Operator : KP/MD
 Sample : 02624-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WZ-2B

Quant Time: May 10 05:38:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

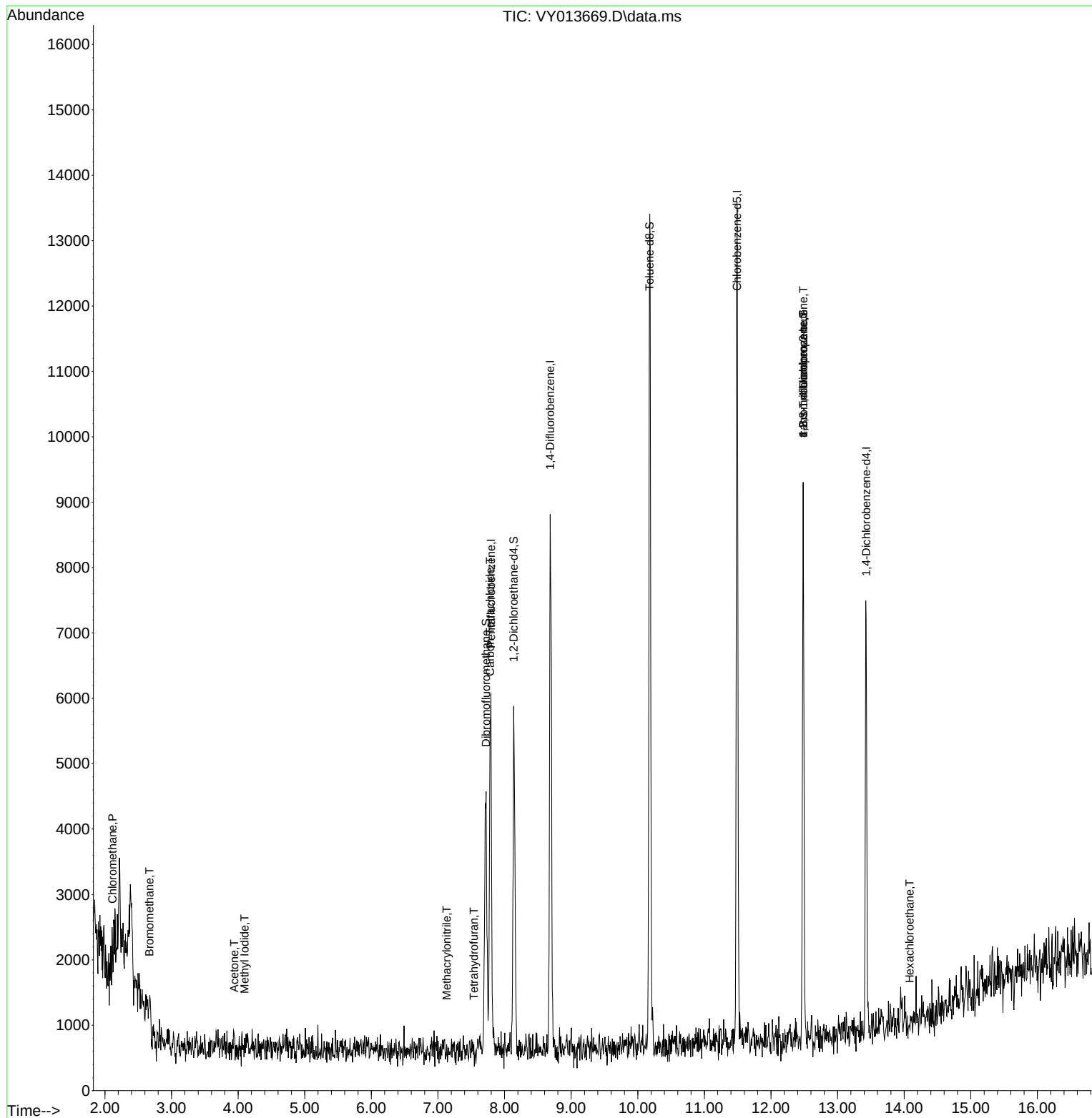
Internal Standards						
1) Pentafluorobenzene	7.795	168	4735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	7340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	7355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	3728	71.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.640%	
35) Dibromofluoromethane	7.722	113	2926	63.381	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.760%	
50) Toluene-d8	10.179	98	9429	57.414	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.820%	
62) 4-Bromofluorobenzene	12.483	95	2604	47.033	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.060%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	223	3.696	ug/l	95
5) Bromomethane	2.668	94	192	4.010	ug/l	97
10) Methyl Iodide	4.095	142	157	2.449	ug/l #	39
16) Acetone	3.942	43	120	5.871	ug/l #	43
20) Methylene Chloride	4.735	84	91	Below Cal	#	10
29) Tetrahydrofuran	7.539	42	19	1.177	ug/l #	32
38) Carbon Tetrachloride	7.783	117	394	4.906	ug/l #	11
41) Methacrylonitrile	7.131	41	44	1.638	ug/l #	21
76) 1,2,3-Trichloropropane	12.483	75	1197	43.170	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1197	88.306	ug/l #	12
90) Hexachloroethane	14.081	117	46	1.647	ug/l #	8

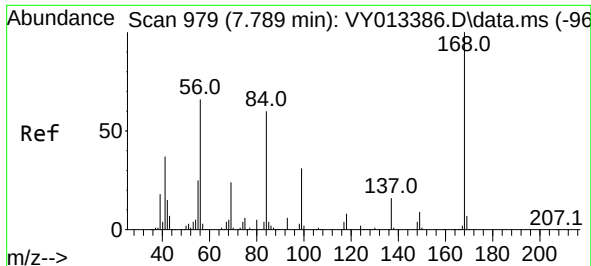
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

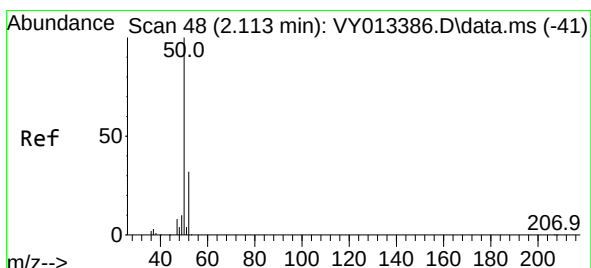
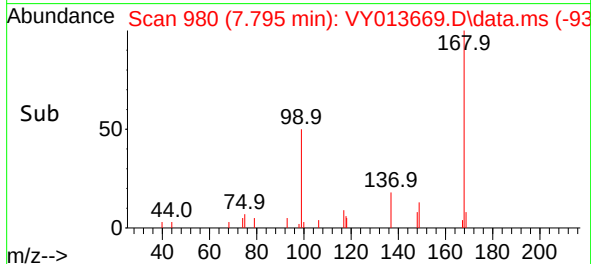
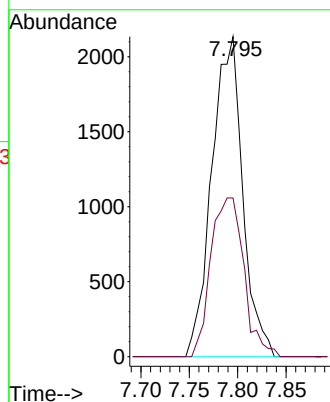
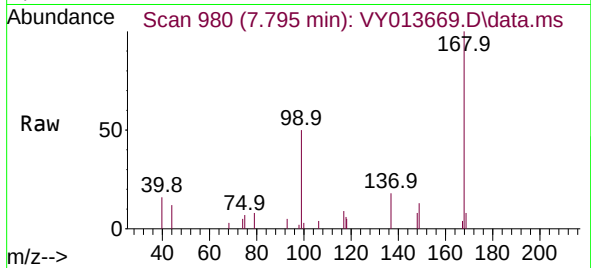




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

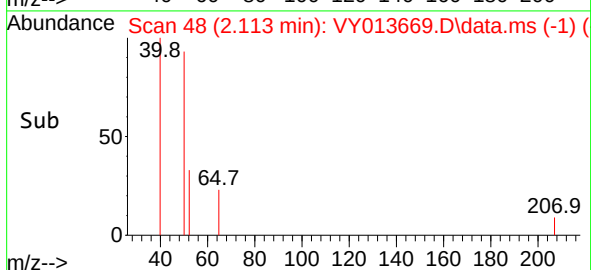
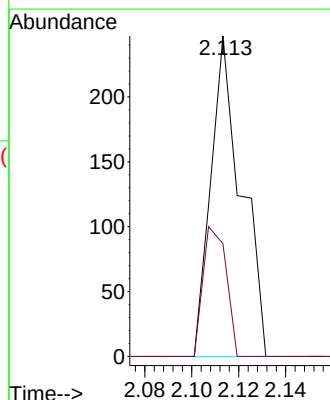
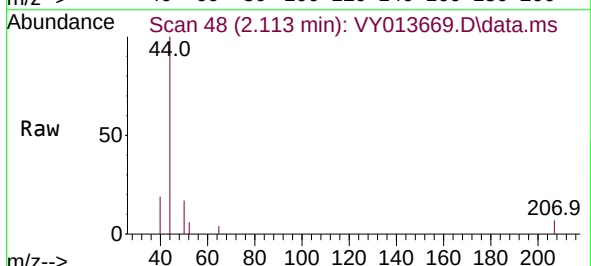
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2B

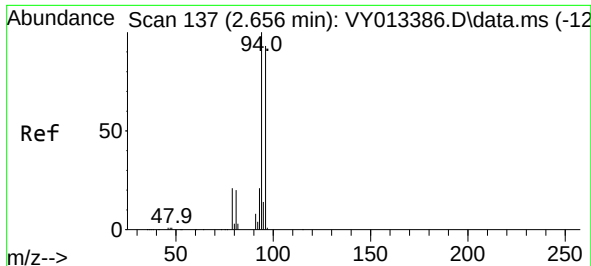
Tgt Ion:168 Resp: 4735
Ion Ratio Lower Upper
168 100
99 49.6 41.8 62.6



#3
Chloromethane
Concen: 3.696 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

Tgt Ion: 50 Resp: 223
Ion Ratio Lower Upper
50 100
52 35.2 25.9 38.9

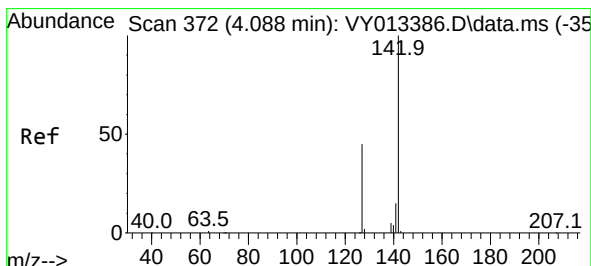
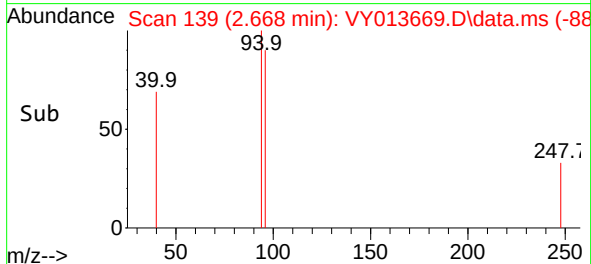
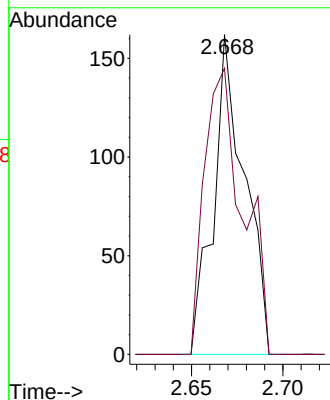
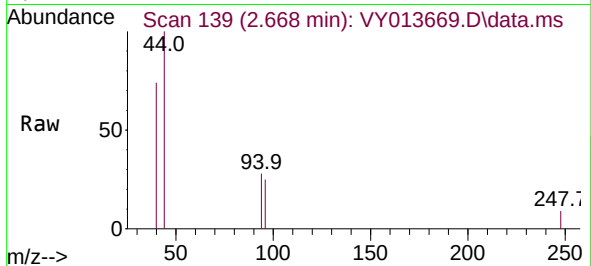




#5
Bromomethane
Concen: 4.010 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

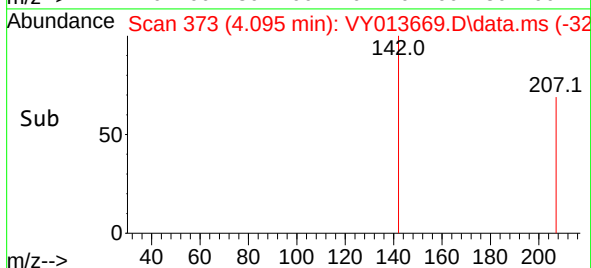
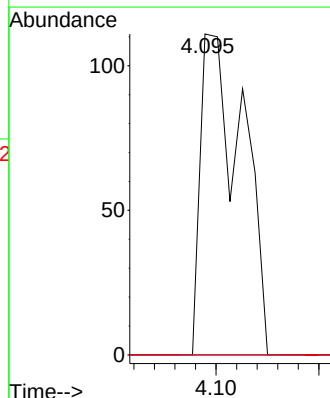
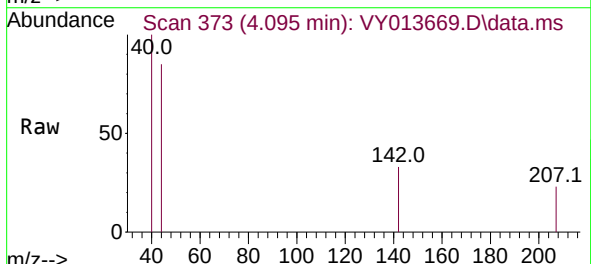
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2B

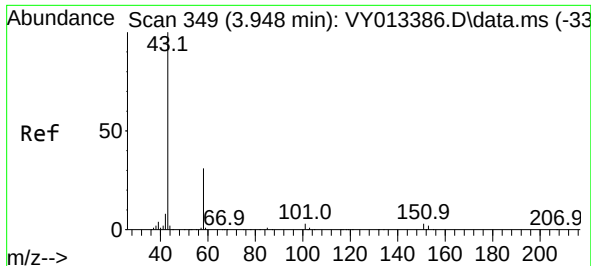
Tgt Ion: 94 Resp: 192
Ion Ratio Lower Upper
94 100
96 89.5 74.2 111.2



#10
Methyl Iodide
Concen: 2.449 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.007 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

Tgt Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#

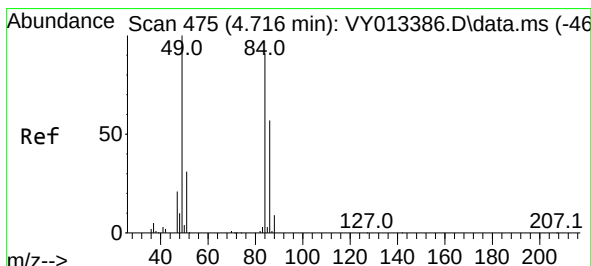
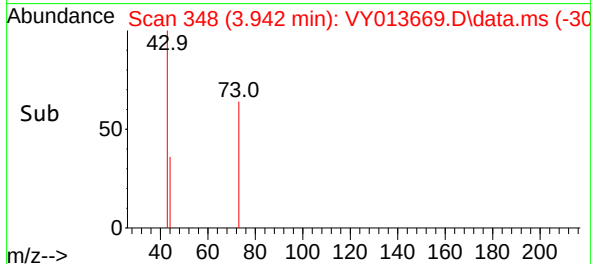
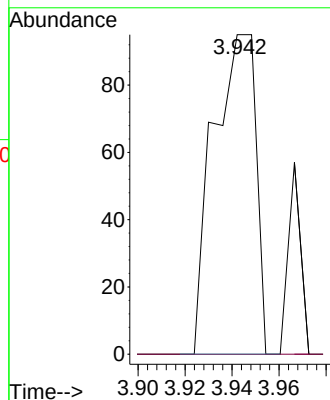
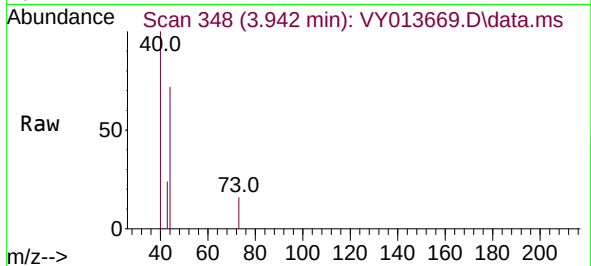




#16
Acetone
Concen: 5.871 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

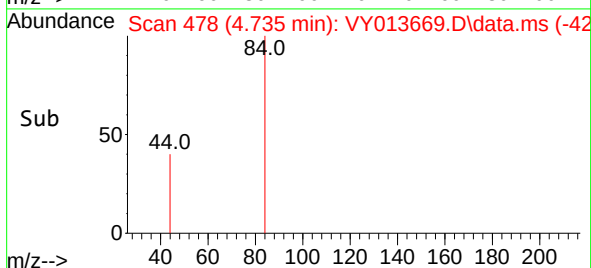
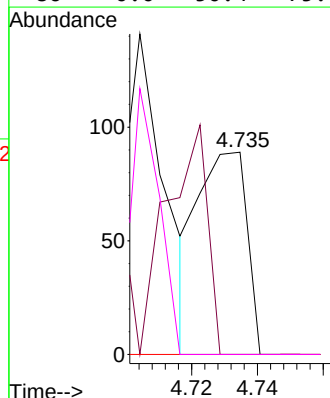
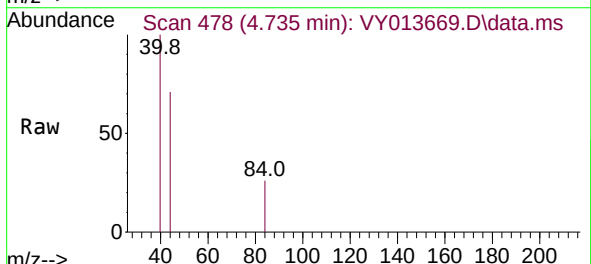
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2B

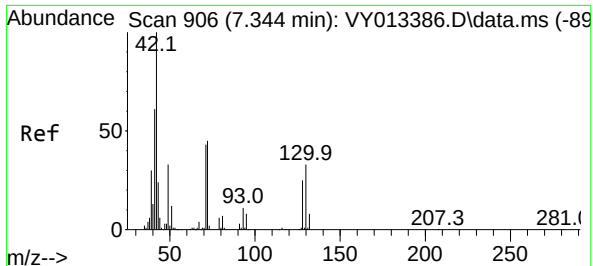
Tgt Ion: 43 Resp: 120
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.735 min Scan# 478
Delta R.T. 0.019 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

Tgt Ion: 84 Resp: 91
Ion Ratio Lower Upper
84 100
49 0.0 88.0 132.0#
51 0.0 27.4 41.0#
86 0.0 50.4 75.6#





#29

Tetrahydrofuran

Concen: 1.177 ug/l

RT: 7.539 min Scan# 91

Delta R.T. 0.195 min

Lab File: VY013669.D

Acq: 09 May 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

WZ-2B

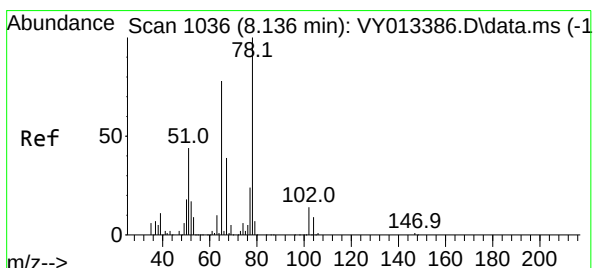
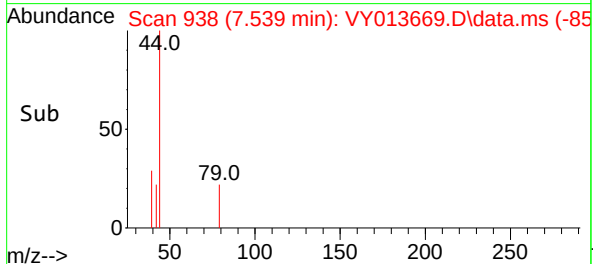
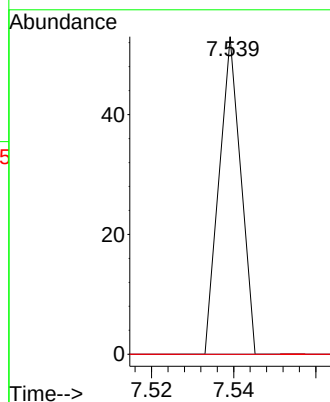
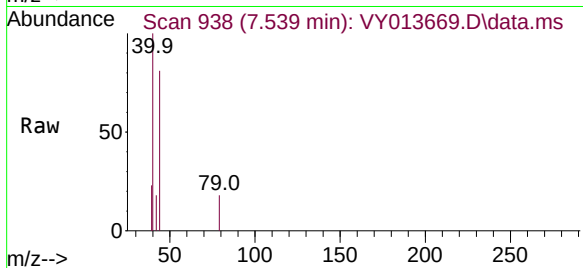
Tgt Ion: 42 Resp: 19

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 34.3 51.5#



#33

1,2-Dichloroethane-d4

Concen: 71.822 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY013669.D

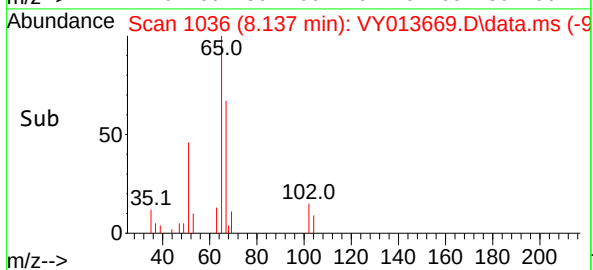
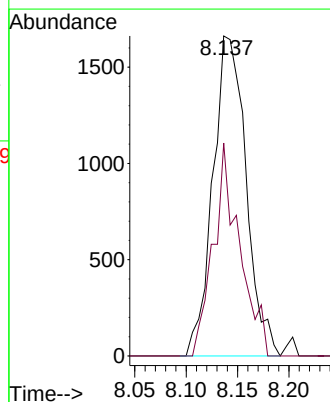
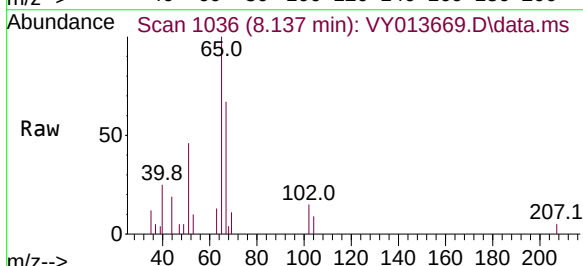
Acq: 09 May 2023 15:35

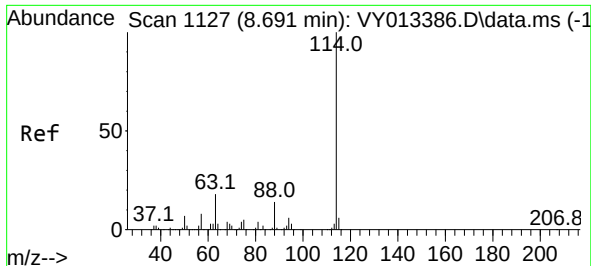
Tgt Ion: 65 Resp: 3728

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013669.D

Acq: 09 May 2023 15:35

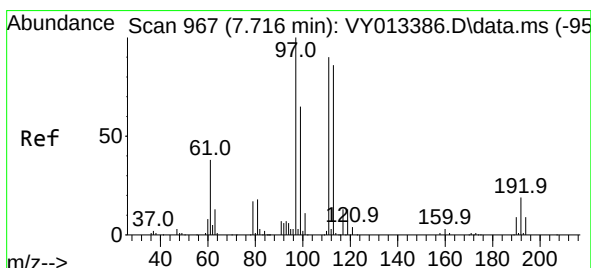
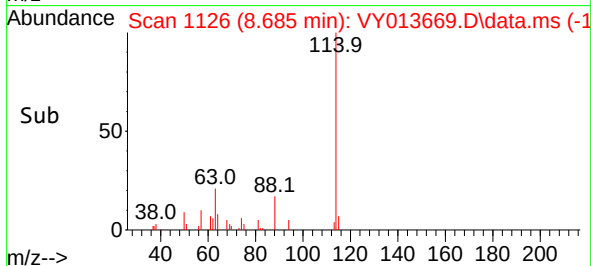
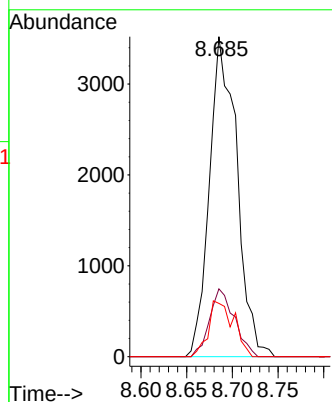
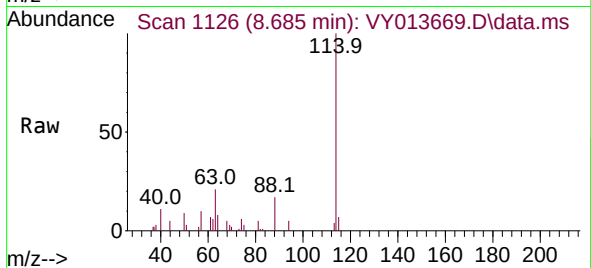
Instrument :

MSVOA_Y

ClientSampleId :

WZ-2B

Tgt Ion:114	Resp:	7340
Ion	Ratio	Lower Upper
114	100	
63	21.2	0.0 36.6
88	16.6	0.0 28.8



#35

Dibromofluoromethane

Concen: 63.381 ug/l

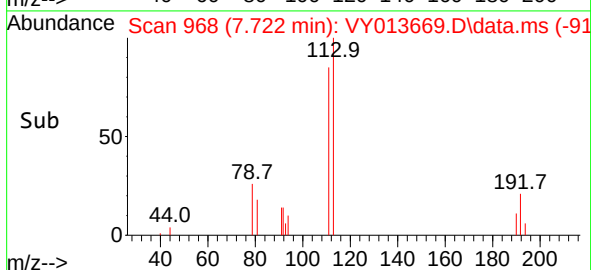
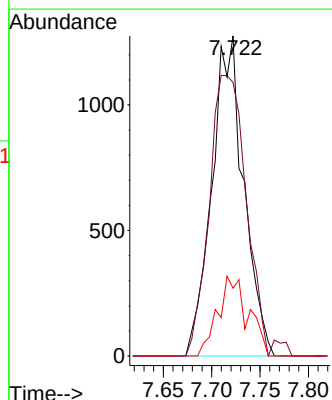
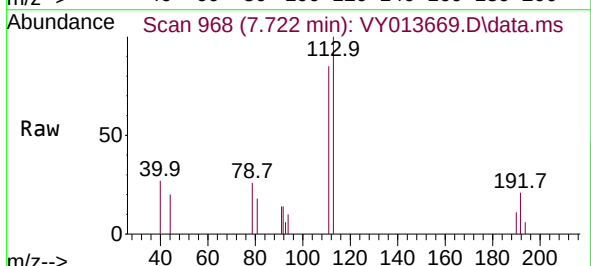
RT: 7.722 min Scan# 968

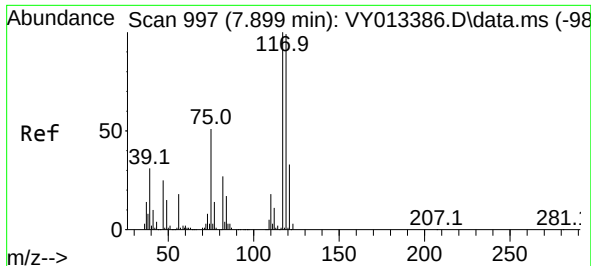
Delta R.T. 0.006 min

Lab File: VY013669.D

Acq: 09 May 2023 15:35

Tgt Ion:113	Resp:	2926
Ion	Ratio	Lower Upper
113	100	
111	102.2	82.2 123.2
192	23.5	16.7 25.1

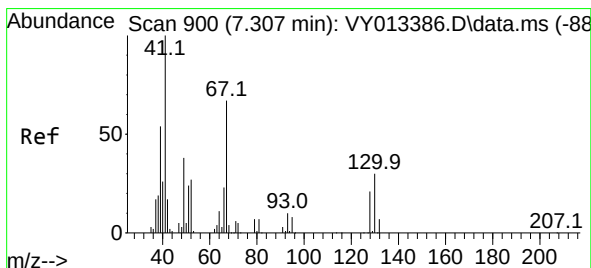
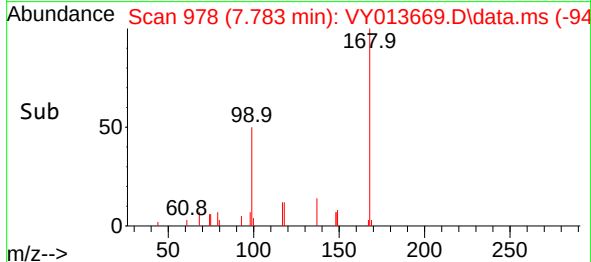
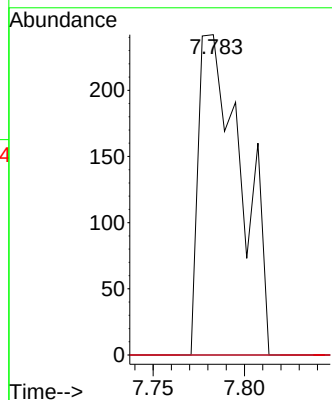
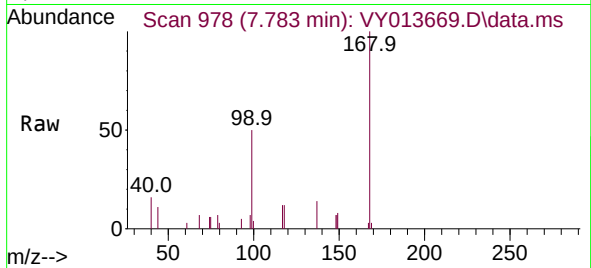




#38
Carbon Tetrachloride
Concen: 4.906 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

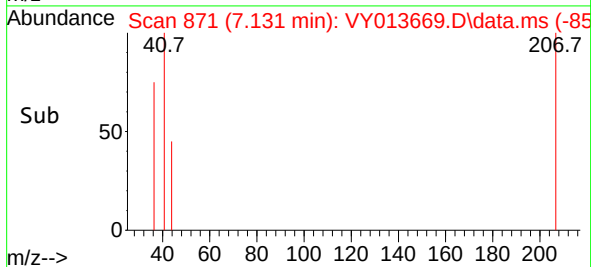
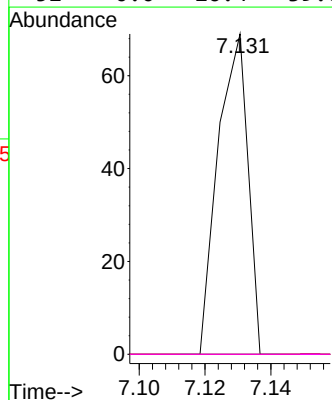
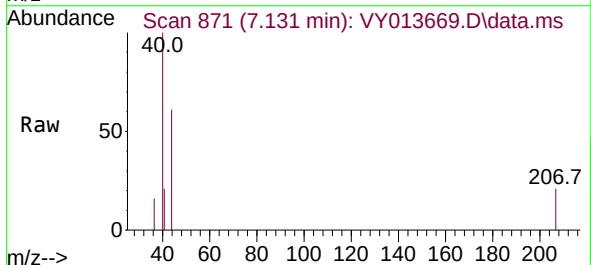
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2B

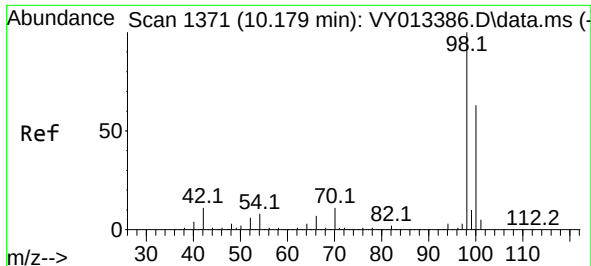
Tgt Ion:117 Resp: 394
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#41
Methacrylonitrile
Concen: 1.638 ug/l
RT: 7.131 min Scan# 871
Delta R.T. -0.176 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

Tgt Ion: 41 Resp: 44
Ion Ratio Lower Upper
41 100
39 0.0 44.2 66.4#
67 0.0 62.9 94.3#
52 0.0 26.4 39.6#

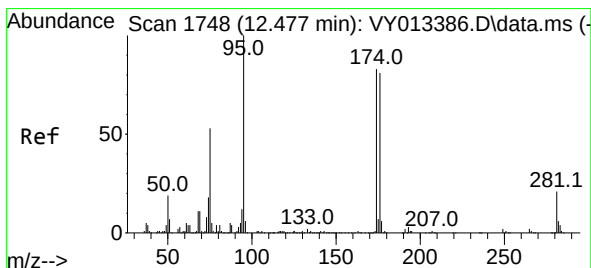
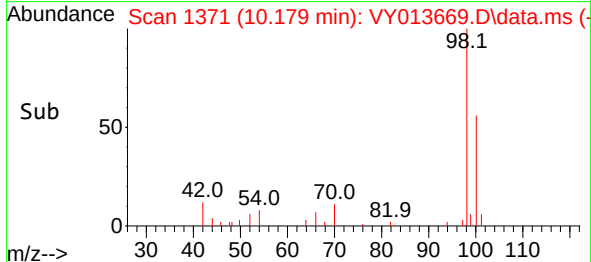
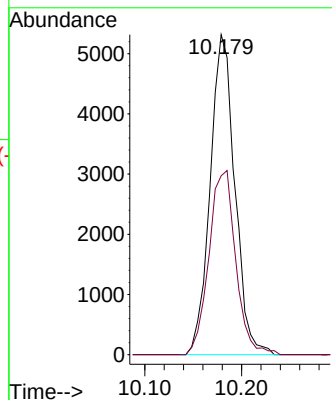
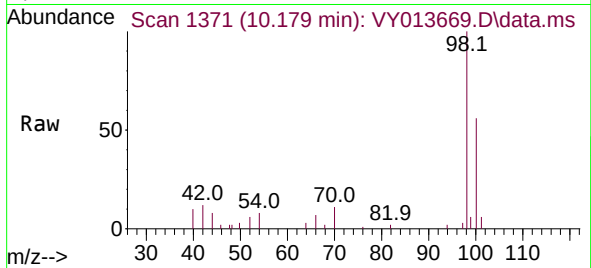




#50
Toluene-d8
Concen: 57.414 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

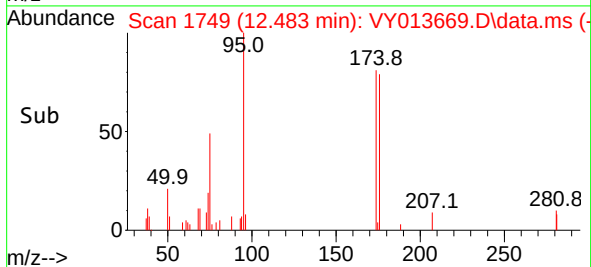
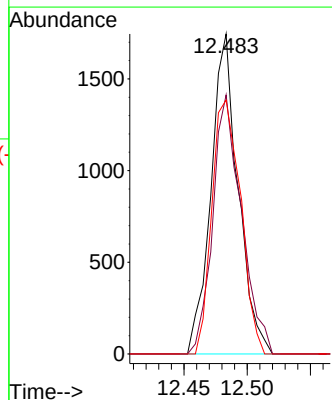
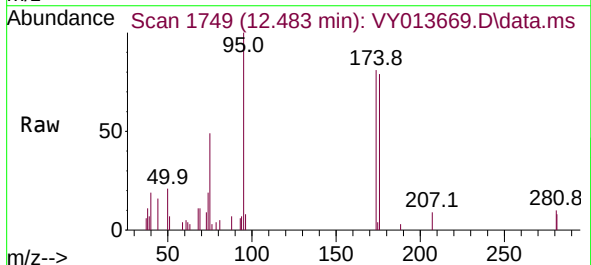
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2B

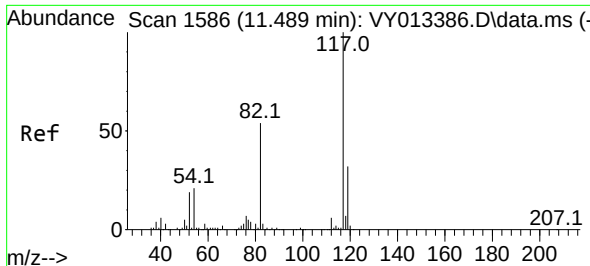
Tgt Ion: 98 Resp: 9429
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 47.033 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

Tgt Ion: 95 Resp: 2604
Ion Ratio Lower Upper
95 100
174 85.4 0.0 182.0
176 84.0 0.0 175.4

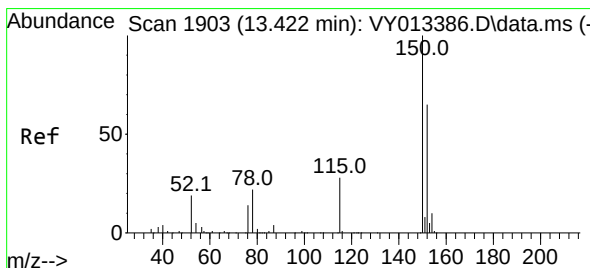
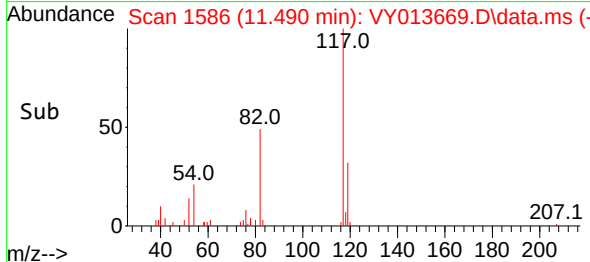
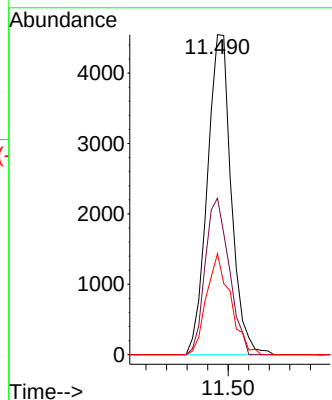
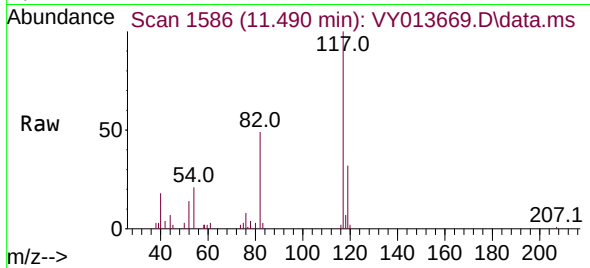




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

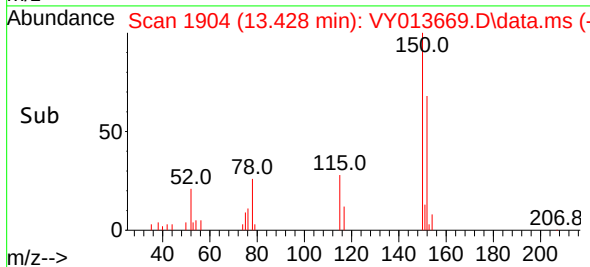
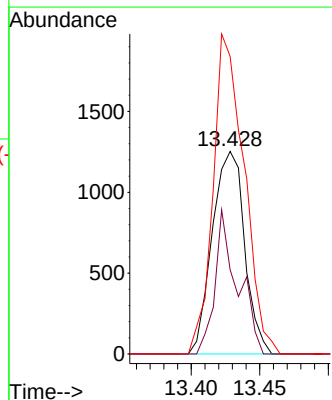
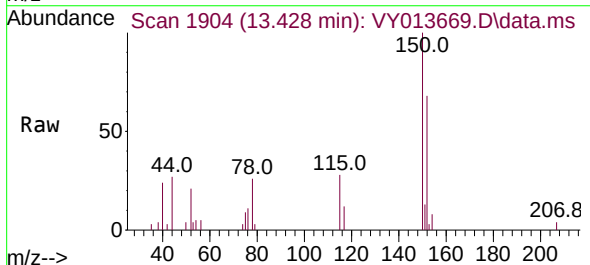
Instrument :
MSVOA_Y
ClientSampleId :
WZ-2B

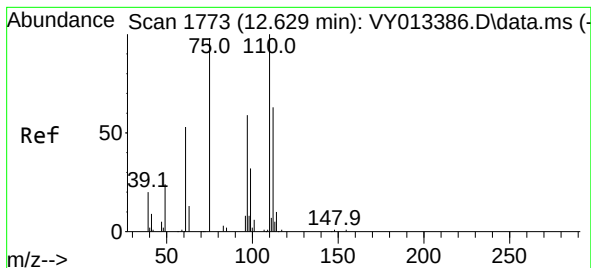
Tgt Ion:	117	Resp:	7355
Ion	Ratio	Lower	Upper
117	100		
82	48.9	43.0	64.6
119	31.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013669.D
Acq: 09 May 2023 15:35

Tgt Ion:	152	Resp:	2056
Ion	Ratio	Lower	Upper
152	100		
115	49.8	28.1	84.2
150	151.4	0.0	352.0





#76

1,2,3-Trichloropropane

Concen: 43.170 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013669.D

Acq: 09 May 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

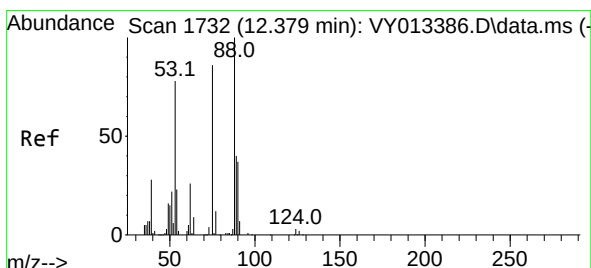
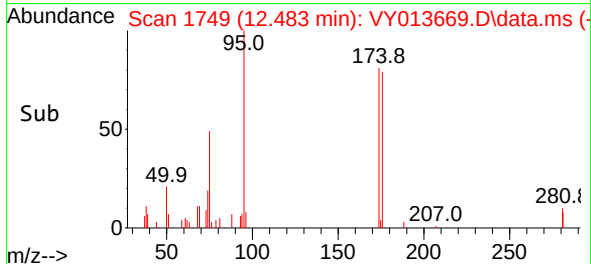
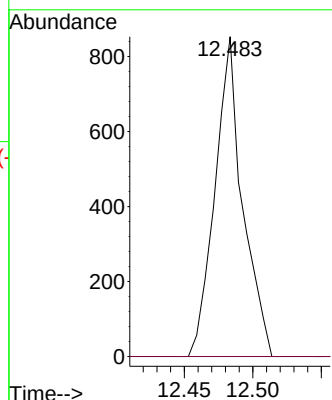
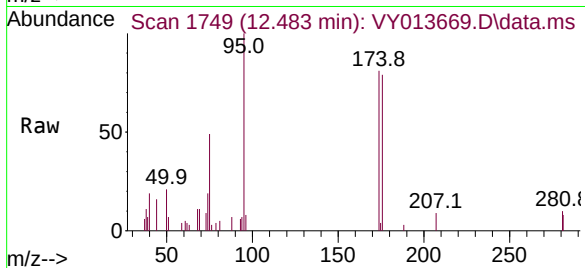
WZ-2B

Tgt Ion: 75 Resp: 1197

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 88.306 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY013669.D

Acq: 09 May 2023 15:35

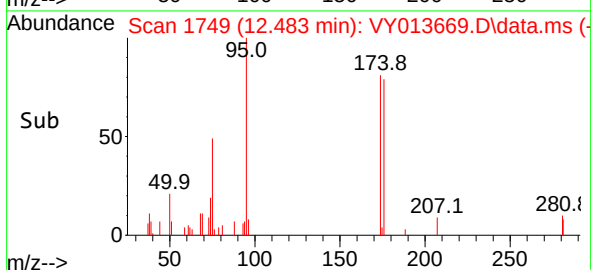
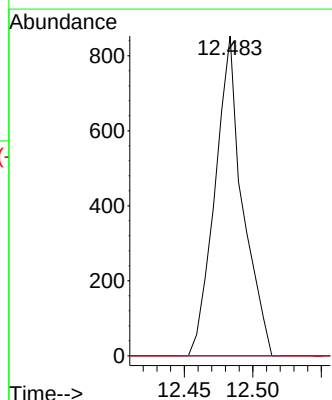
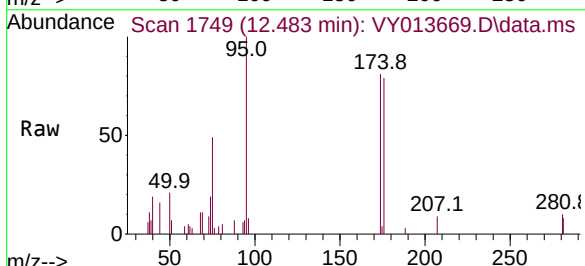
Tgt Ion: 75 Resp: 1197

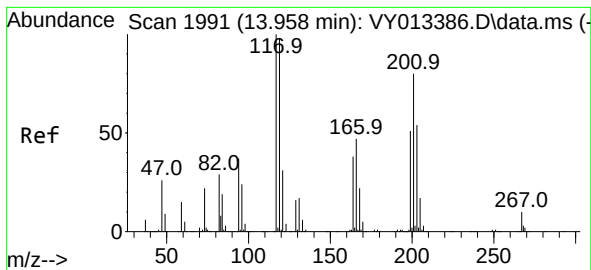
Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 1.647 ug/l

RT: 14.081 min Scan# 20

Delta R.T. 0.123 min

Lab File: VY013669.D

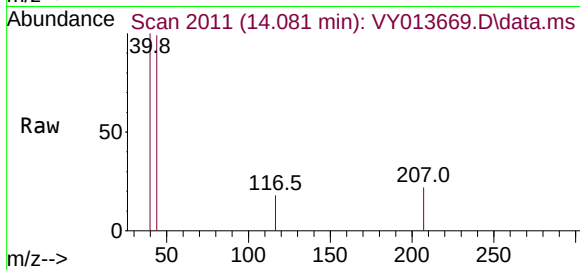
Acq: 09 May 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

WZ-2B



Tgt Ion:117 Resp: 46

Ion Ratio Lower Upper

117 100

201 0.0 41.6 124.8#

