

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015176.D
 Acq On : 17 Aug 2023 16:52
 Operator : SY/MD
 Sample : 04043-01
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 00:55:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

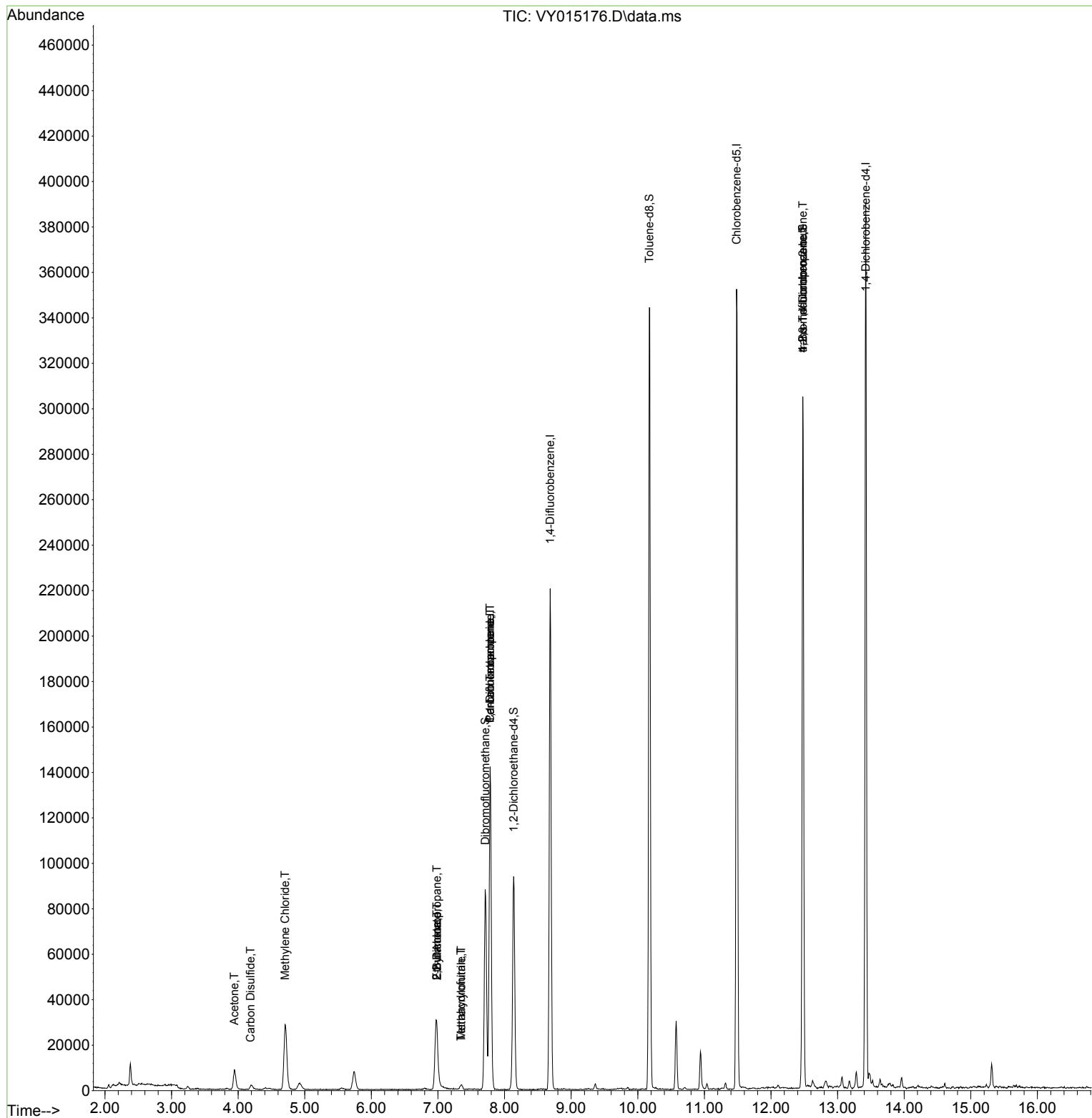
Internal Standards						
1) Pentafluorobenzene	7.783	168	107660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	189821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	193033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	97340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	73709	57.035	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.060%			
35) Dibromofluoromethane	7.710	113	60959	49.918	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.840%			
50) Toluene-d8	10.173	98	231083	50.833	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.477	95	87379	52.625	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	63	Below Cal	#	43
3) Chloromethane	2.113	50	348	Below Cal		97
5) Bromomethane	2.656	94	178	Below Cal	#	59
11) Tert butyl alcohol	4.912	59	1734	Below Cal	#	89
13) Acrolein	3.741	56	151	Below Cal		87
16) Acetone	3.942	43	15029	35.598	ug/l	99
17) Carbon Disulfide	4.186	76	1376	1.044	ug/l #	76
20) Methylene Chloride	4.704	84	22197	19.273	ug/l	90
25) 2-Butanone	6.984	43	7034	11.767	ug/l	97
26) 2,2-Dichloropropane	6.984	77	2256	1.304	ug/l #	54
29) Tetrahydrofuran	7.344	42	1425	3.987	ug/l	96
31) Cyclohexane	7.777	56	2570	Below Cal	#	47
36) 1,1-Dichloropropene	7.783	75	9090	6.728	ug/l #	49
37) Ethyl Acetate	6.984	43	7034	5.586	ug/l #	81
38) Carbon Tetrachloride	7.783	117	11138	6.966	ug/l #	16
41) Methacrylonitrile	7.350	41	977	1.505	ug/l #	37
76) 1,2,3-Trichloropropane	12.477	75	47451	40.124	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47451	88.132	ug/l #	11

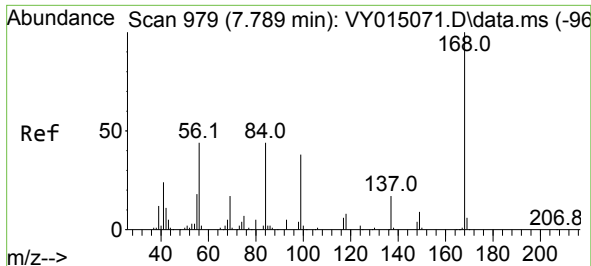
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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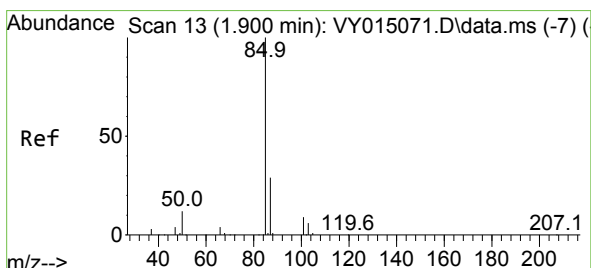
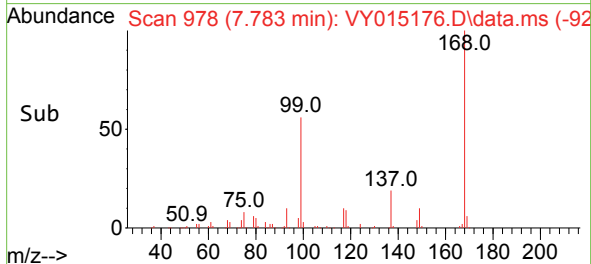
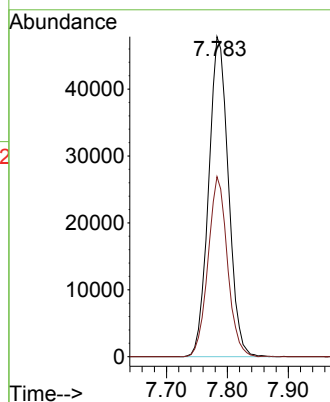
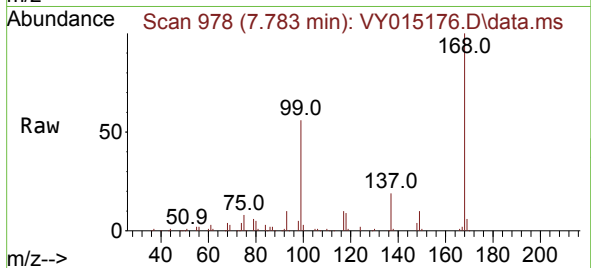




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

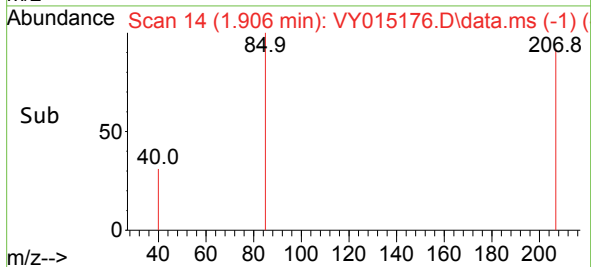
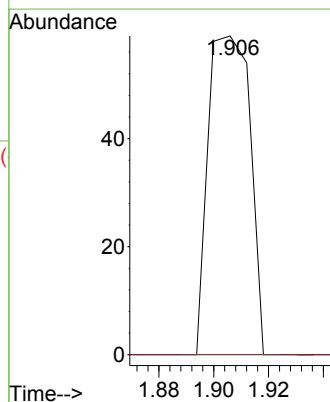
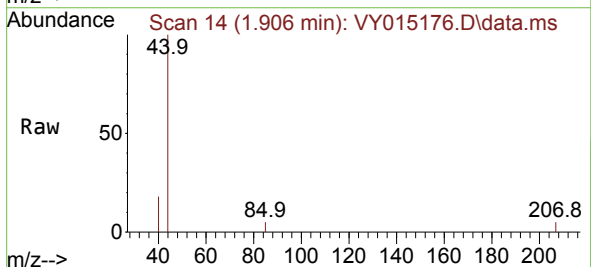
Instrument :
MSVOA_Y
ClientSampleId :

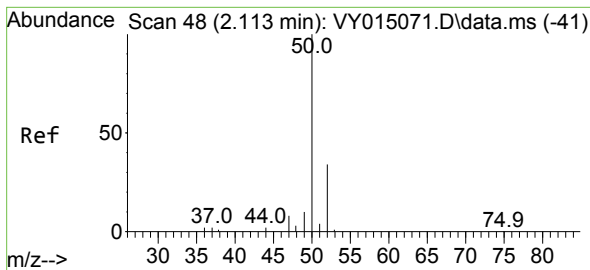
Tgt Ion:168 Resp: 107660
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

Tgt Ion: 85 Resp: 63
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY015176.D

Acq: 17 Aug 2023 16:52

Instrument :

MSVOA_Y

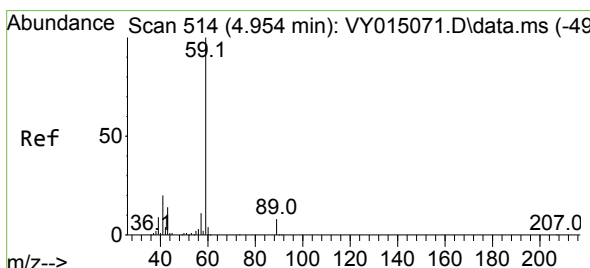
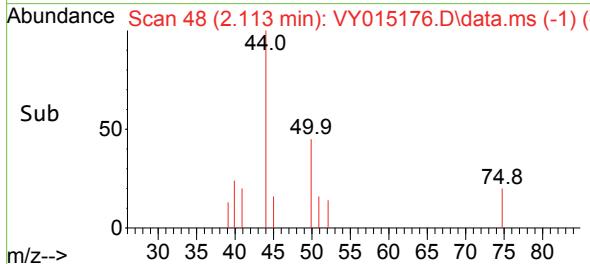
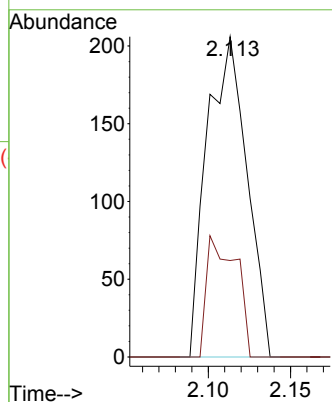
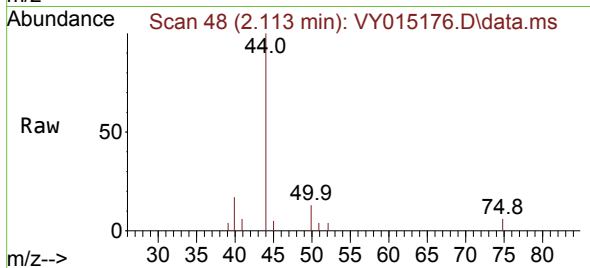
ClientSampleId :

Tgt Ion: 50 Resp: 348

Ion Ratio Lower Upper

50 100

52 30.1 25.4 38.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.912 min Scan# 507

Delta R.T. -0.037 min

Lab File: VY015176.D

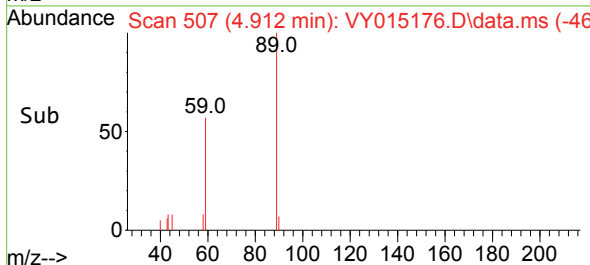
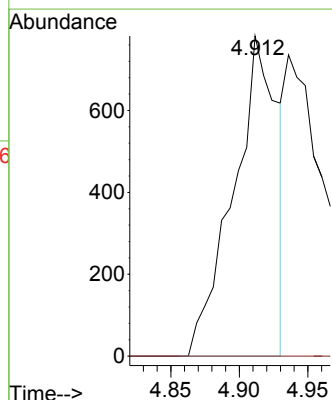
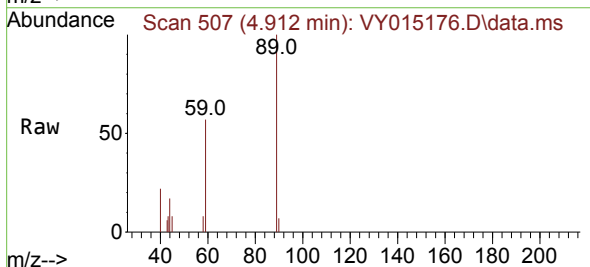
Acq: 17 Aug 2023 16:52

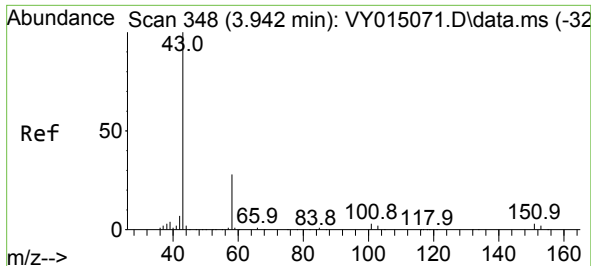
Tgt Ion: 59 Resp: 1734

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#





#16

Acetone

Concen: 35.598 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY015176.D

Acq: 17 Aug 2023 16:52

Instrument :

MSVOA_Y

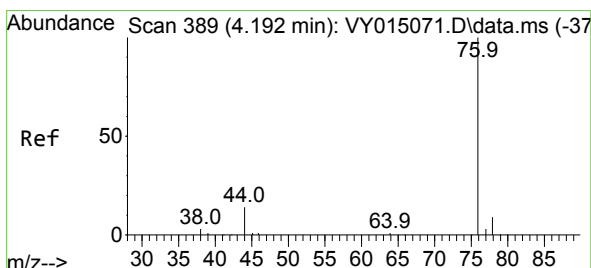
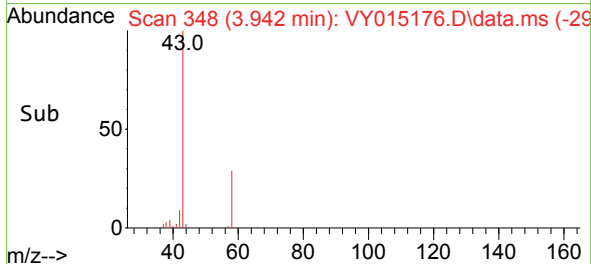
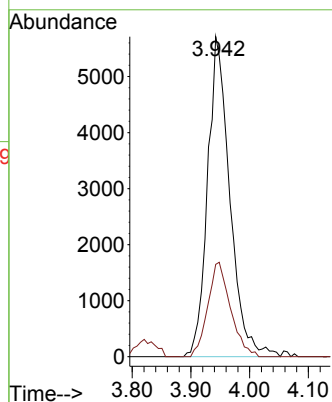
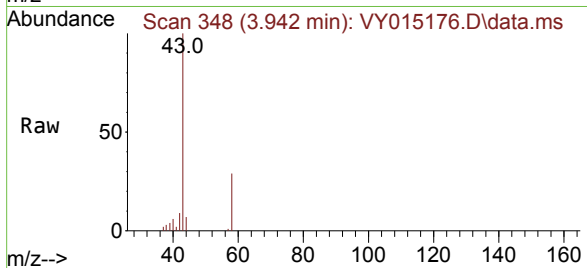
ClientSampleId :

Tgt Ion: 43 Resp: 15029

Ion Ratio Lower Upper

43 100

58 28.9 22.7 34.1



#17

Carbon Disulfide

Concen: 1.044 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.000 min

Lab File: VY015176.D

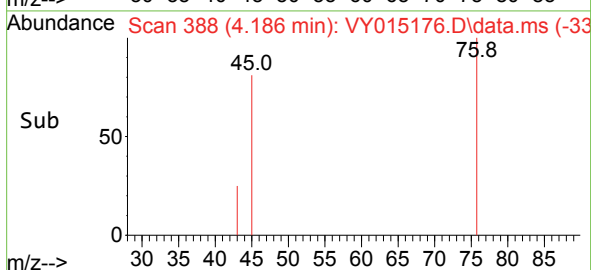
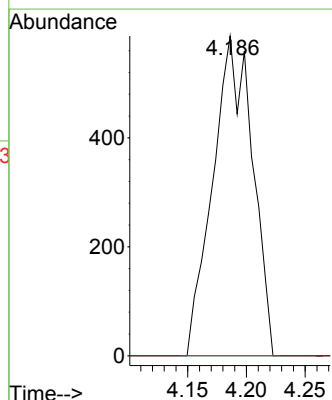
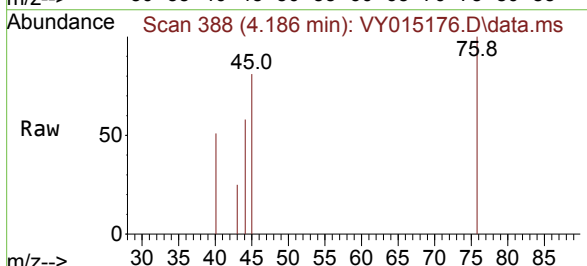
Acq: 17 Aug 2023 16:52

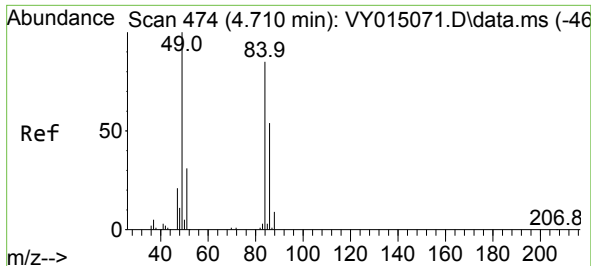
Tgt Ion: 76 Resp: 1376

Ion Ratio Lower Upper

76 100

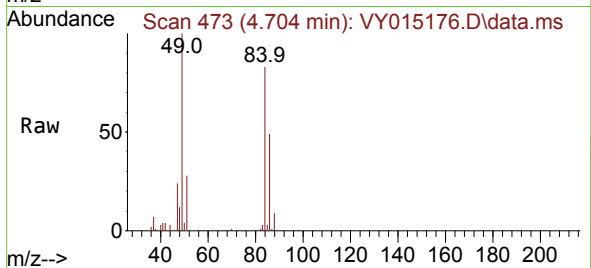
78 0.0 7.0 10.4#



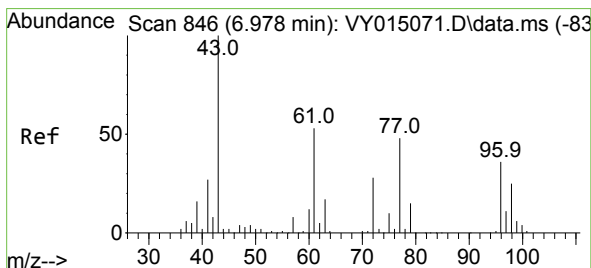
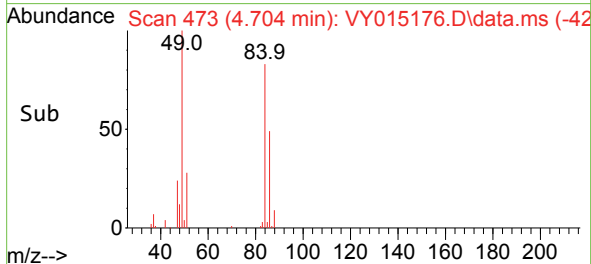
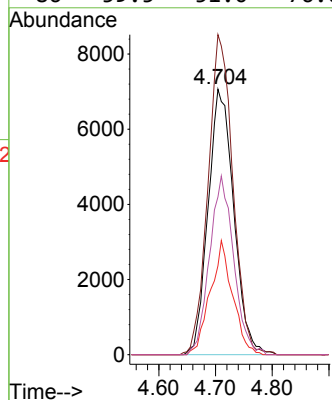


#20
Methylene Chloride
Concen: 19.273 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :

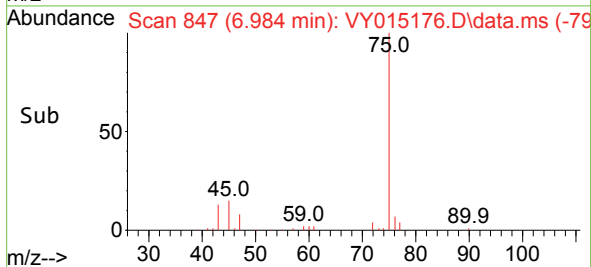
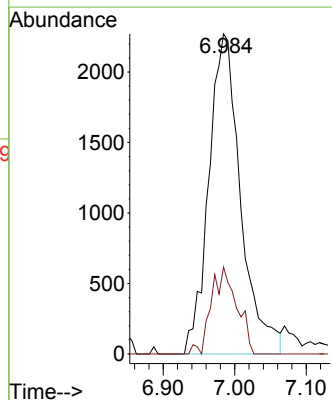
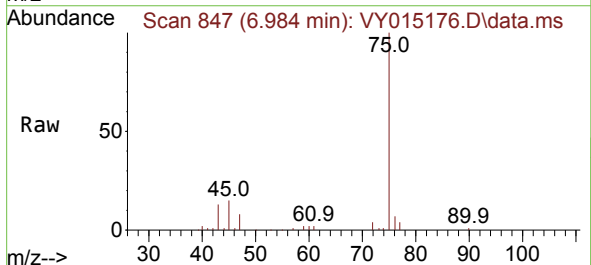


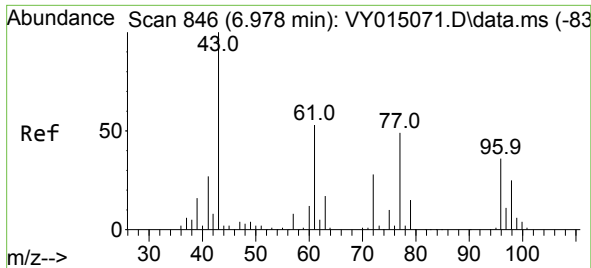
Tgt Ion: 84 Resp: 22197
Ion Ratio Lower Upper
84 100
49 120.6 106.9 160.3
51 33.5 33.2 49.8
86 59.5 51.0 76.6



#25
2-Butanone
Concen: 11.767 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

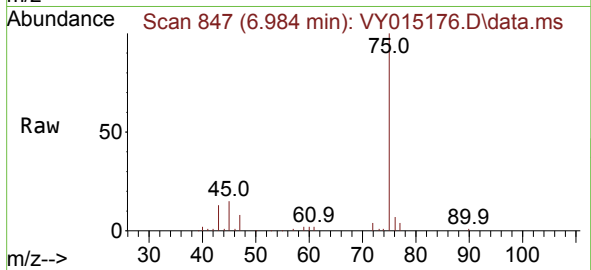
Tgt Ion: 43 Resp: 7034
Ion Ratio Lower Upper
43 100
72 27.2 20.5 30.7



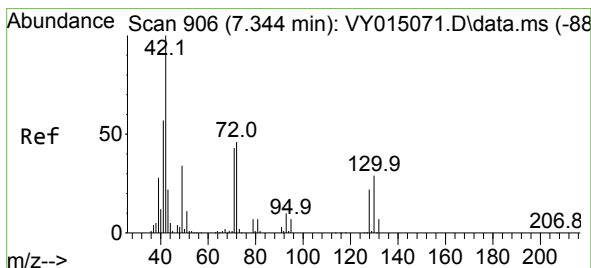
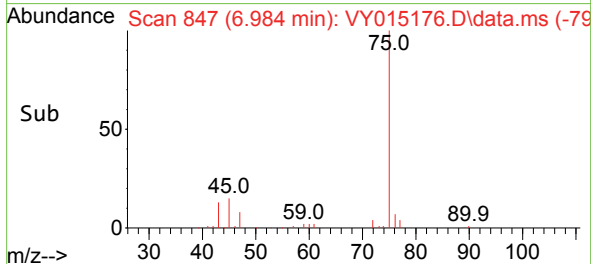
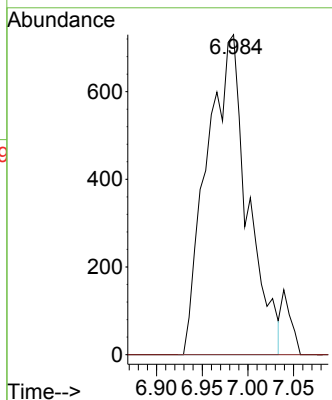


#26
2,2-Dichloropropane
Concen: 1.304 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :

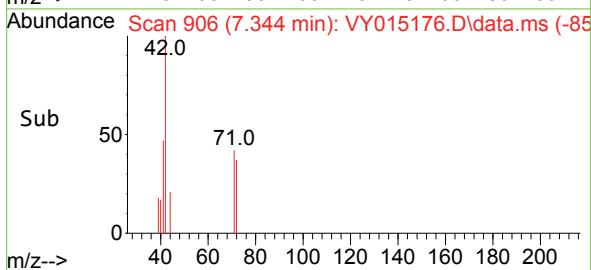
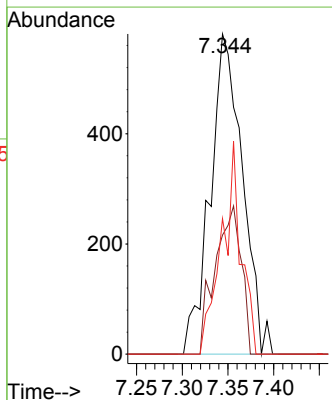
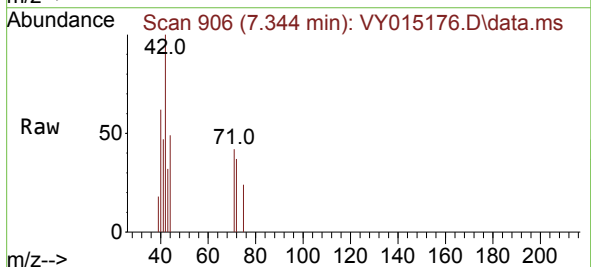


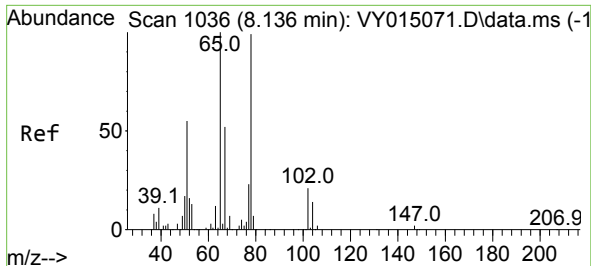
Tgt Ion: 77 Resp: 2256
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 3.987 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

Tgt Ion: 42 Resp: 1425
Ion Ratio Lower Upper
42 100
72 37.5 32.8 49.2
71 39.9 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 57.035 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015176.D

Acq: 17 Aug 2023 16:52

Instrument :

MSVOA_Y

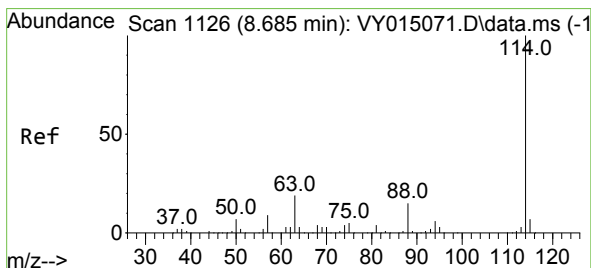
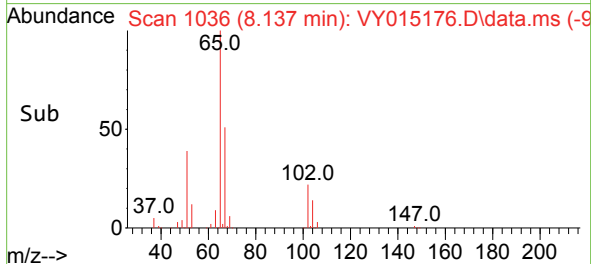
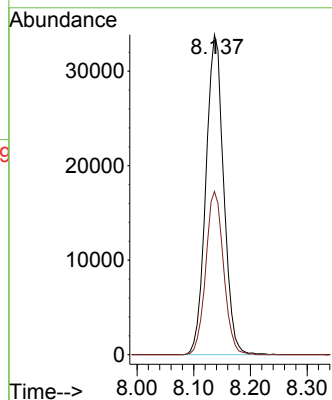
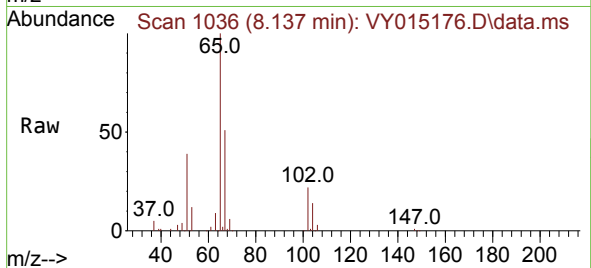
ClientSampleId :

Tgt Ion: 65 Resp: 73709

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015176.D

Acq: 17 Aug 2023 16:52

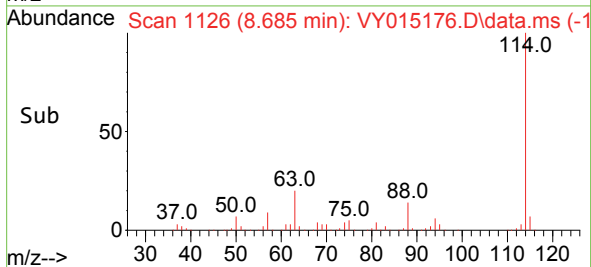
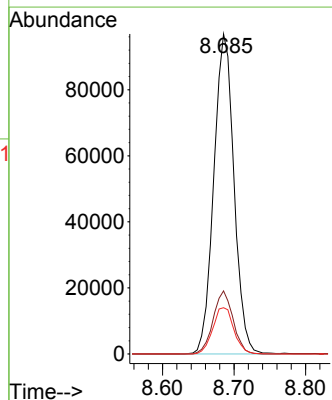
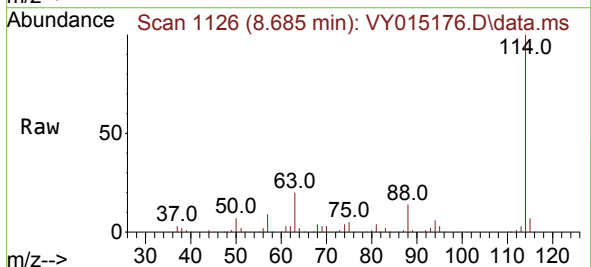
Tgt Ion: 114 Resp: 189821

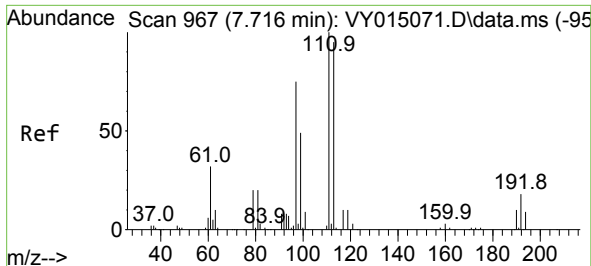
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

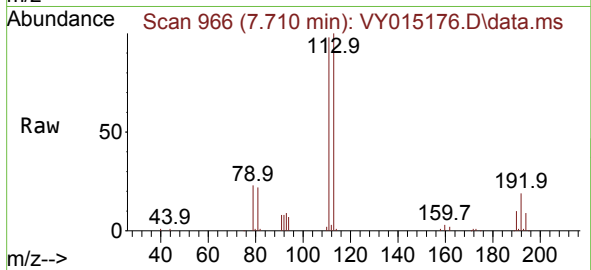
88 14.4 0.0 30.6



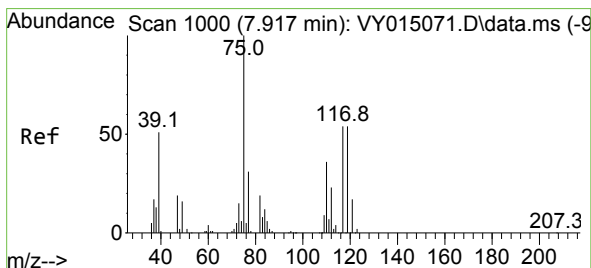
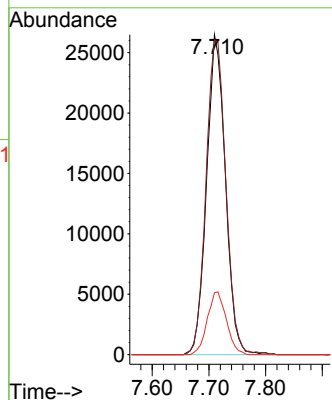
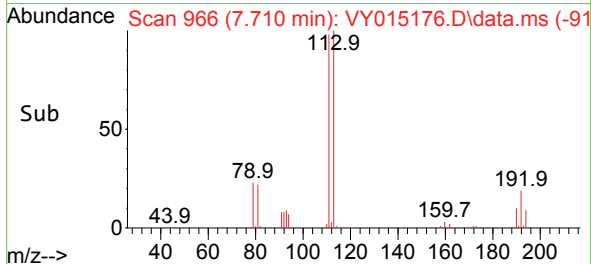


#35
Dibromofluoromethane
Concen: 49.918 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

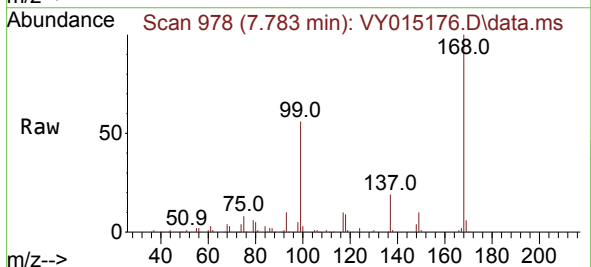
Instrument :
MSVOA_Y
ClientSampleId :



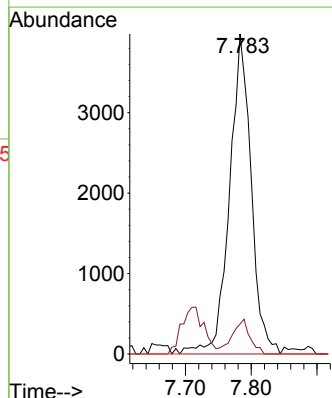
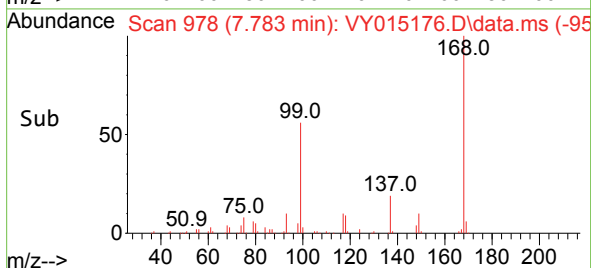
Tgt Ion:113 Resp: 60959
Ion Ratio Lower Upper
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111 104.0 81.3 121.9
192 19.9 16.9 25.3

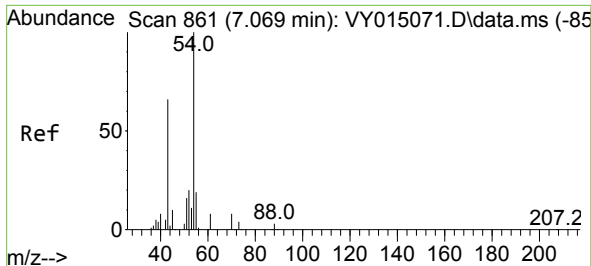


#36
1,1-Dichloropropene
Concen: 6.728 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52



Tgt Ion: 75 Resp: 9090
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.586 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.085 min

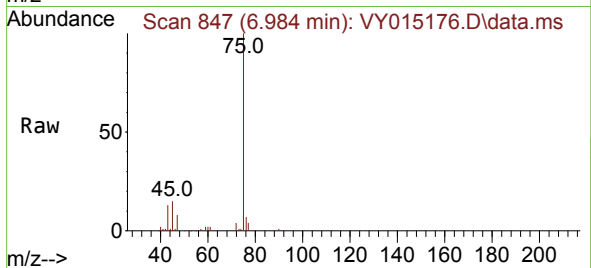
Lab File: VY015176.D

Acq: 17 Aug 2023 16:52

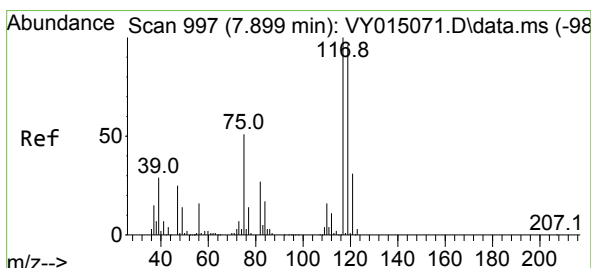
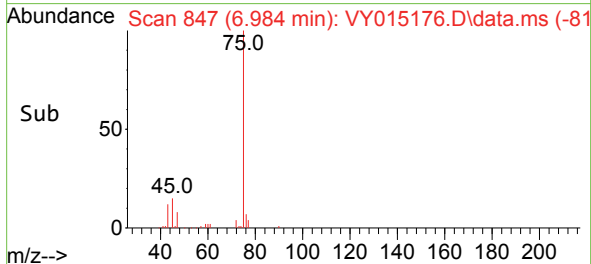
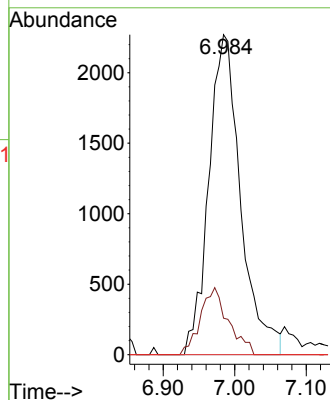
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	7034
Ion	Ratio	Lower	Upper
43	100		
61	18.5	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.966 ug/l

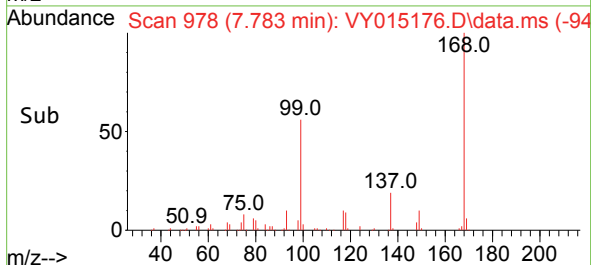
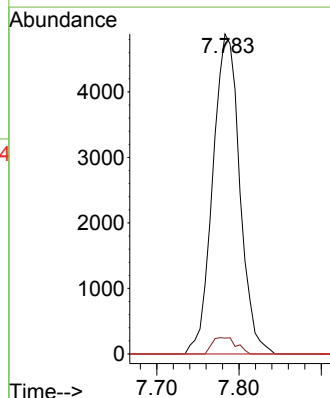
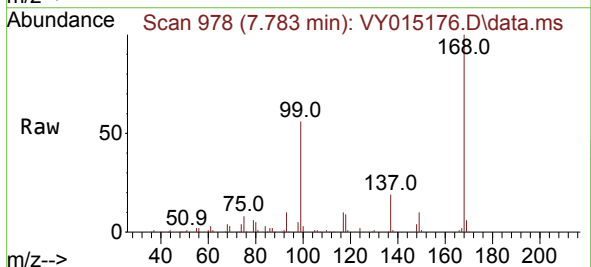
RT: 7.783 min Scan# 978

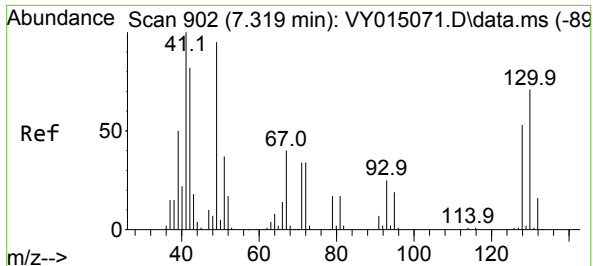
Delta R.T. -0.116 min

Lab File: VY015176.D

Acq: 17 Aug 2023 16:52

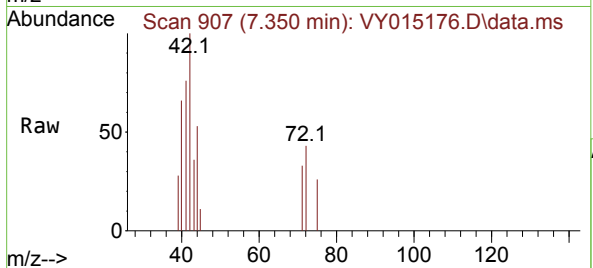
Tgt Ion:	117	Resp:	11138
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.4	114.6#
121	0.0	25.8	38.6#



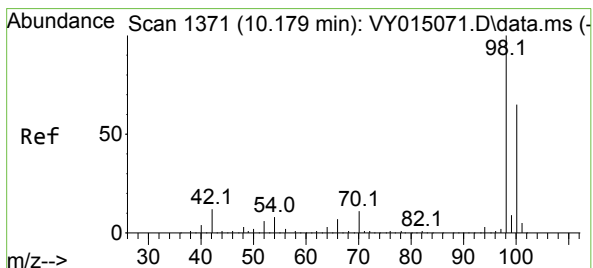
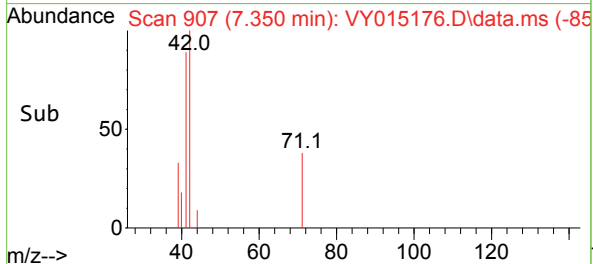
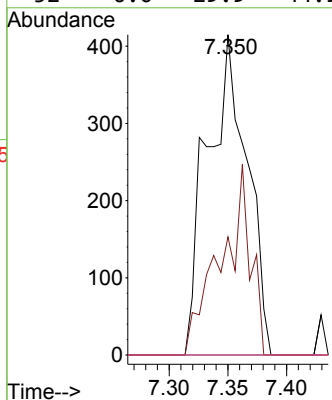


#41
Methacrylonitrile
Concen: 1.505 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :

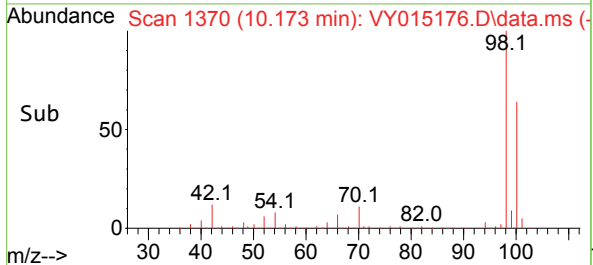
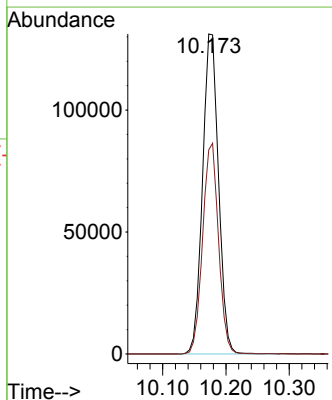
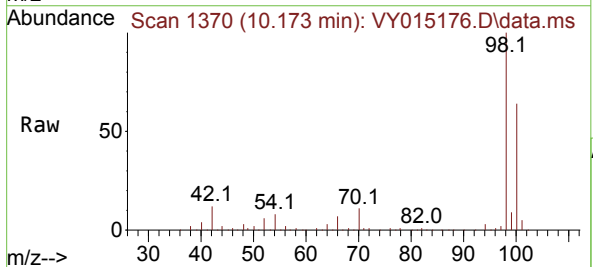


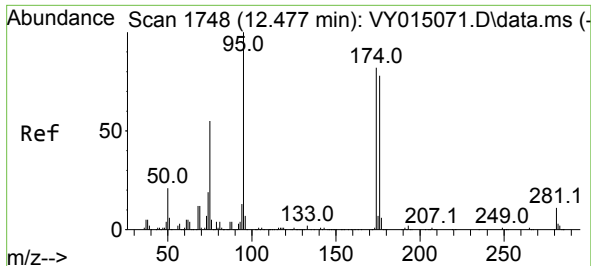
Tgt Ion: 41	Resp: 977
Ion Ratio	Lower Upper
41	100
39	44.3 52.1 78.1#
67	0.0 66.2 99.2#
52	0.0 29.9 44.9#



#50
Toluene-d8
Concen: 50.833 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

Tgt Ion: 98	Resp: 231083
Ion Ratio	Lower Upper
98	100
100	65.4 50.1 75.1

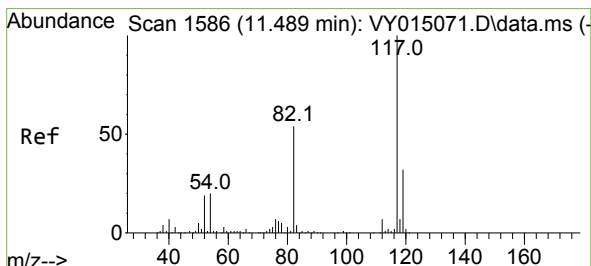
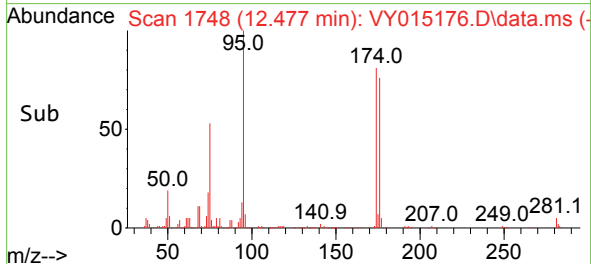
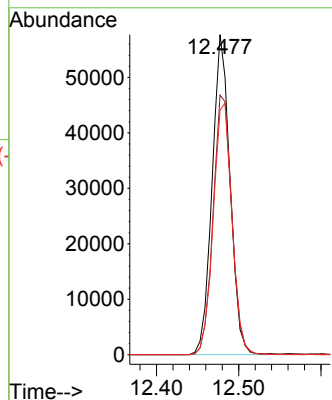
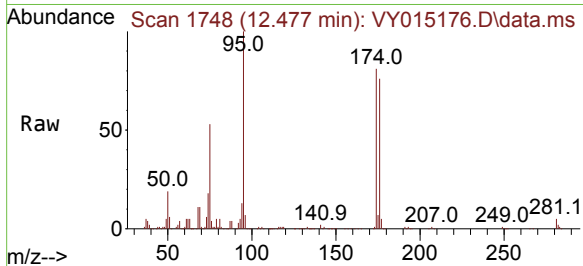




#62
4-Bromofluorobenzene
Concen: 52.625 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

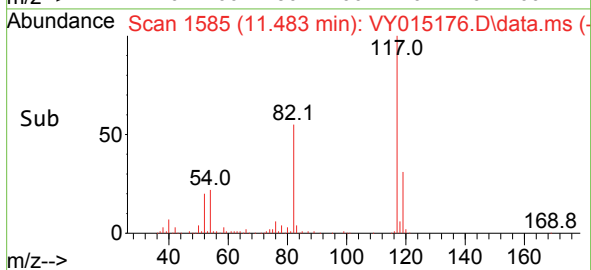
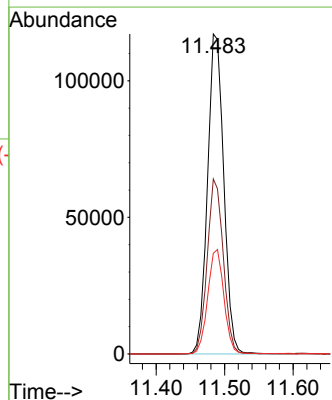
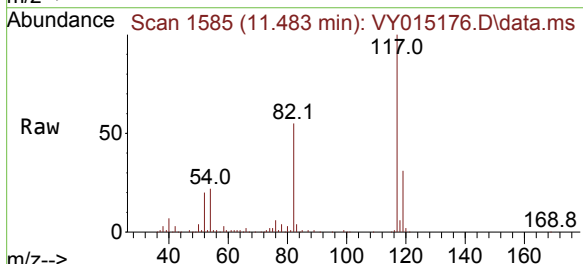
Instrument :
MSVOA_Y
ClientSampleId :

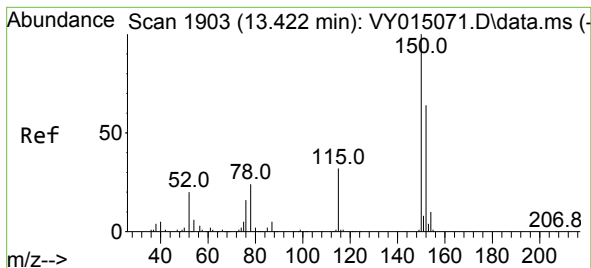
Tgt Ion: 95 Resp: 87379
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 82.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY015176.D
Acq: 17 Aug 2023 16:52

Tgt Ion: 117 Resp: 193033
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 31.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

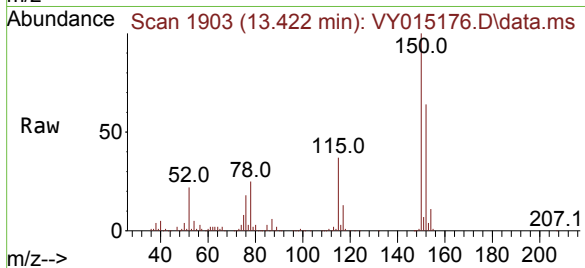
Lab File: VY015176.D

Acq: 17 Aug 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :



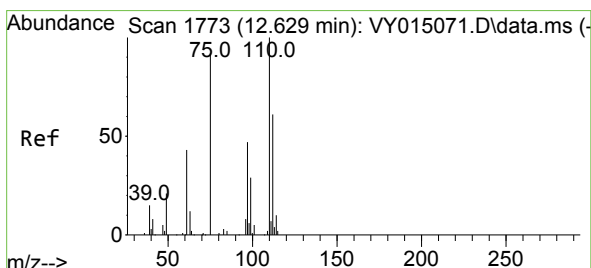
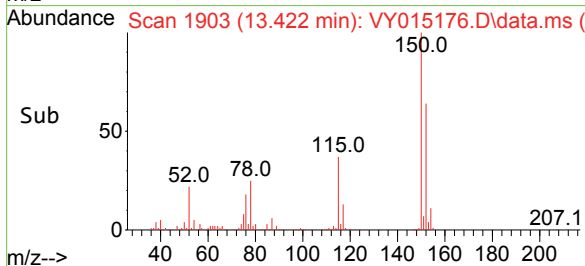
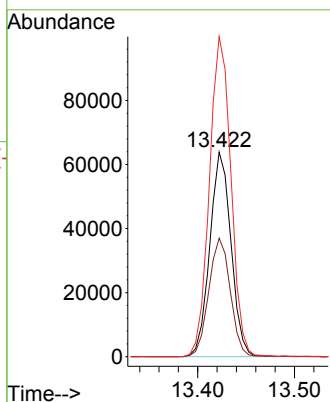
Tgt Ion:152 Resp: 97340

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 159.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.124 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015176.D

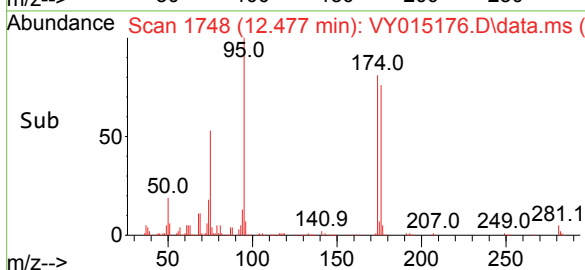
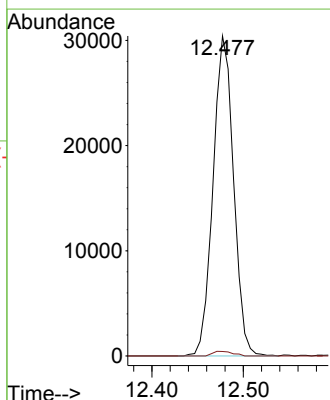
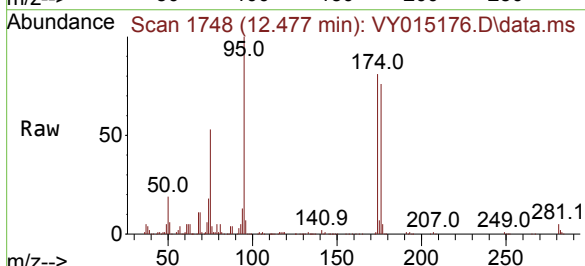
Acq: 17 Aug 2023 16:52

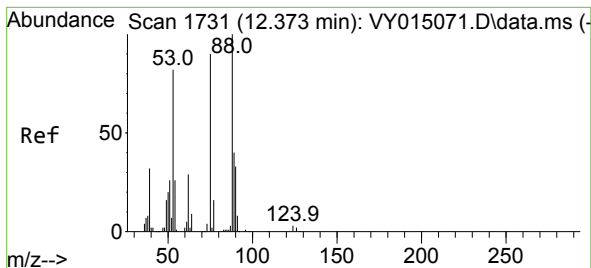
Tgt Ion: 75 Resp: 47451

Ion Ratio Lower Upper

75 100

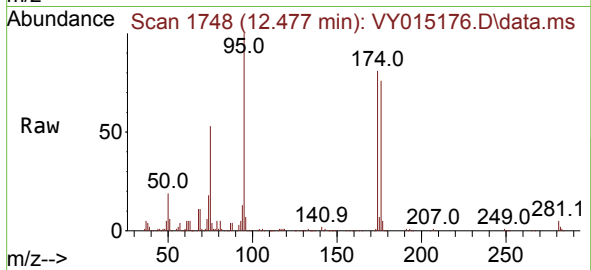
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.132 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015176.D
 Acq: 17 Aug 2023 16:52

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.2	37.4	56.0#

