

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
 Data File : VY015115.D
 Acq On : 15 Aug 2023 19:51
 Operator : SY/MD
 Sample : 04017-3
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 02:09:09 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)

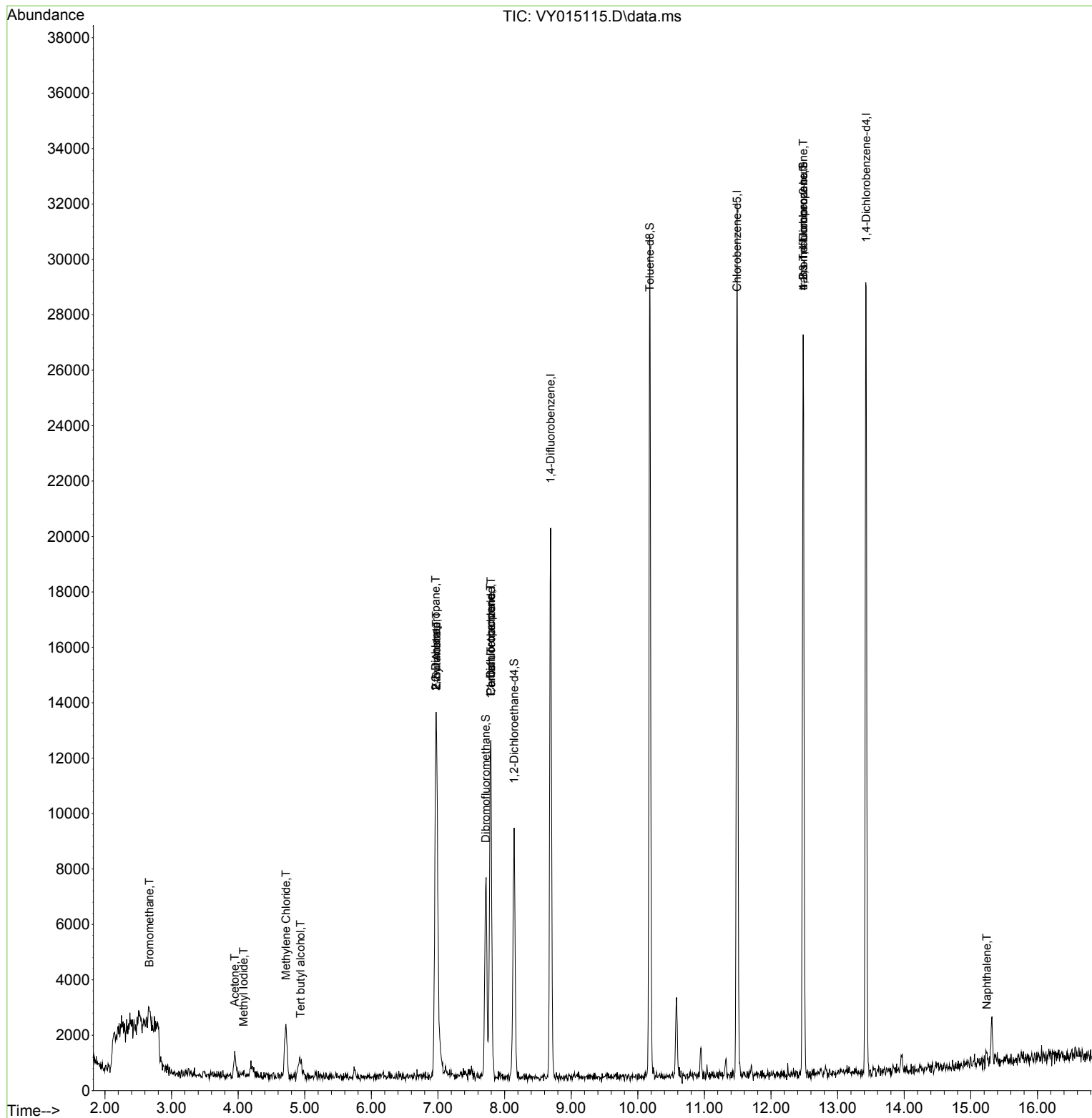
Internal Standards						
1) Pentafluorobenzene	7.795	168	10075	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.691	114	17182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	16803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	6916	57.185	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.360%
35) Dibromofluoromethane	7.716	113	5230	47.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.620%
50) Toluene-d8	10.179	98	20102	48.852	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.700%
62) 4-Bromofluorobenzene	12.483	95	7414	49.330	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	143	Below Cal	#	80
5) Bromomethane	2.668	94	315	4.097	ug/l #	76
10) Methyl Iodide	4.082	142	295	3.578	ug/l #	38
11) Tert butyl alcohol	4.936	59	578	13.716	ug/l #	89
16) Acetone	3.948	43	1161	29.385	ug/l #	87
20) Methylene Chloride	4.716	84	1371	11.113	ug/l #	78
25) 2-Butanone	6.978	43	708	12.656	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	917	5.665	ug/l #	54
31) Cyclohexane	7.795	56	149	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	784	6.411	ug/l #	41
37) Ethyl Acetate	6.978	43	708	6.211	ug/l #	1
38) Carbon Tetrachloride	7.795	117	1145	7.911	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	4052	42.492	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4052	93.333	ug/l #	10
95) Naphthalene	15.239	128	560	1.536	ug/l #	69

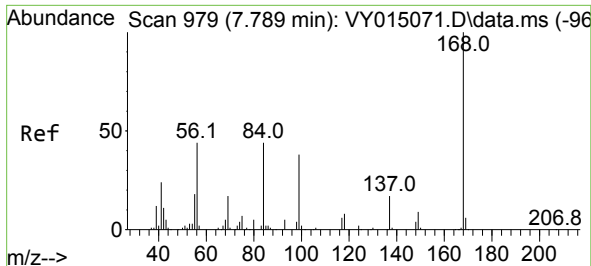
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081523\
Data File : VY015115.D
Acq On : 15 Aug 2023 19:51
Operator : SY/MD
Sample : 04017-3
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Aug 16 02:09:09 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

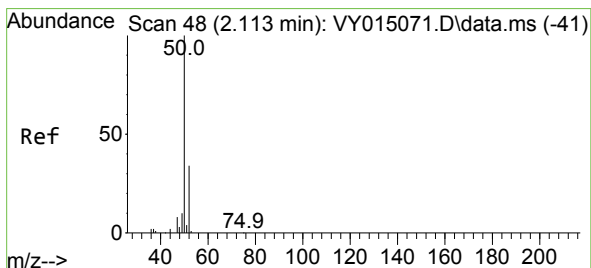
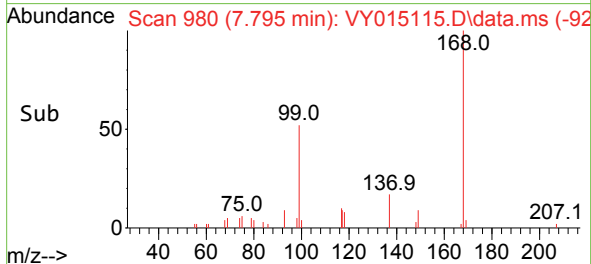
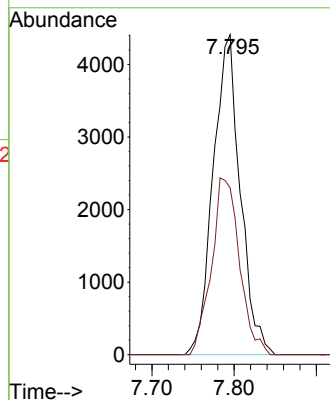
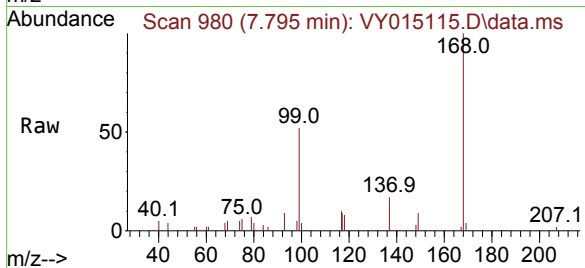




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

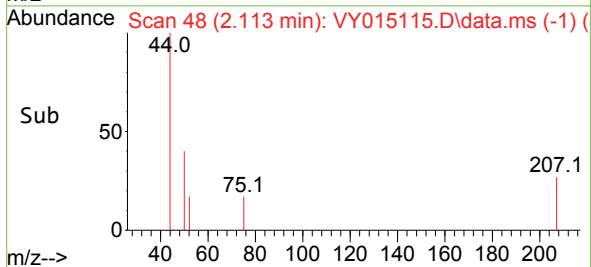
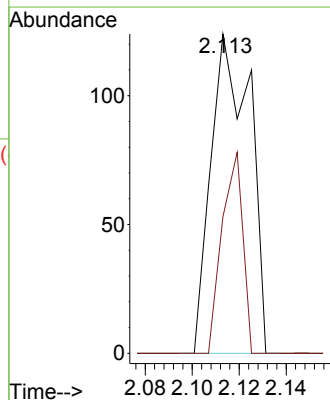
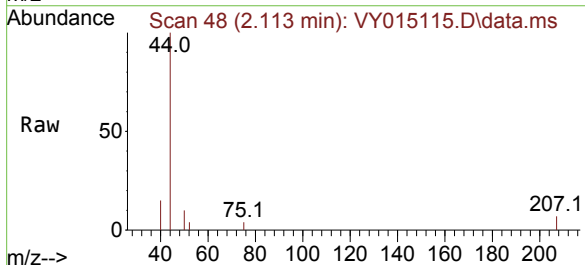
Instrument :
MSVOA_Y
ClientSampleId :

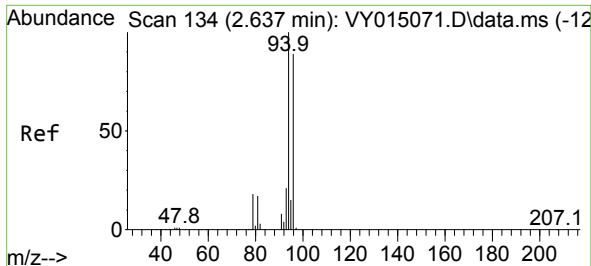
Tgt Ion:168 Resp: 10075
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

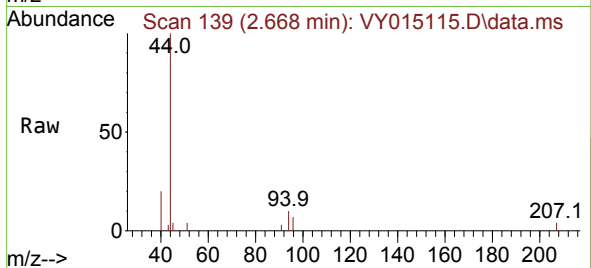
Tgt Ion: 50 Resp: 143
Ion Ratio Lower Upper
50 100
52 42.7 25.4 38.2#



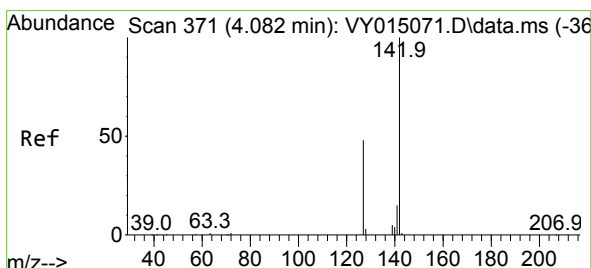
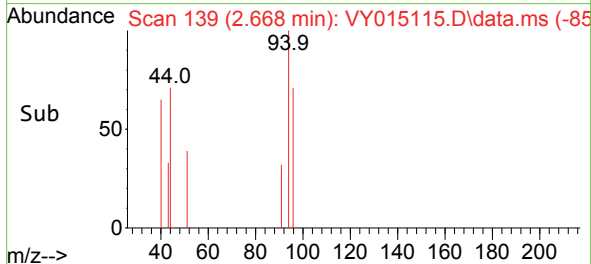
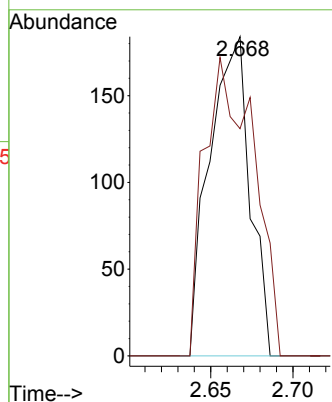


#5
Bromomethane
Concen: 4.097 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

Instrument :
MSVOA_Y
ClientSampleId :

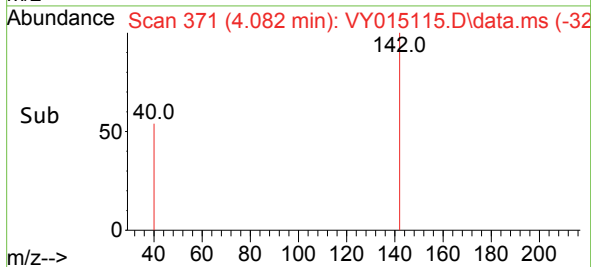
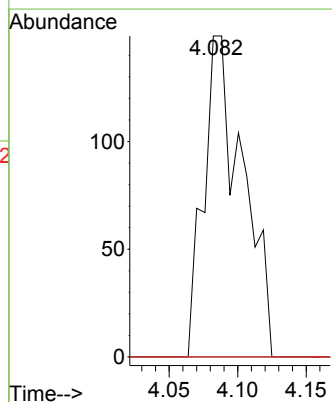
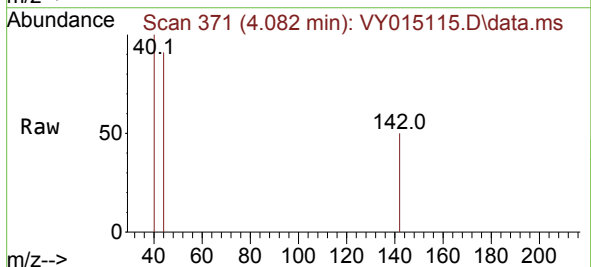


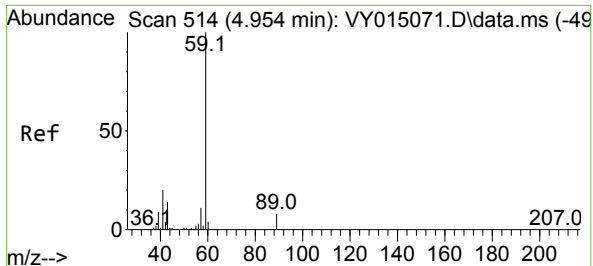
Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 71.2 75.8 113.6#



#10
Methyl Iodide
Concen: 3.578 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

Tgt Ion:142 Resp: 295
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: 13.716 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

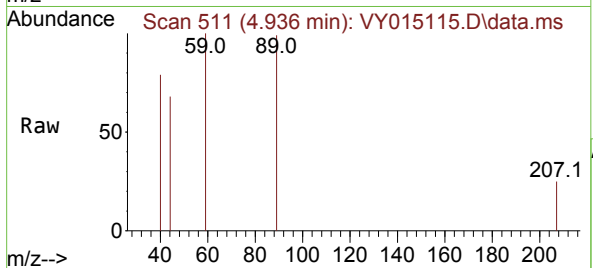
Lab File: VY015115.D

Acq: 15 Aug 2023 19:51

Instrument :

MSVOA_Y

ClientSampleId :

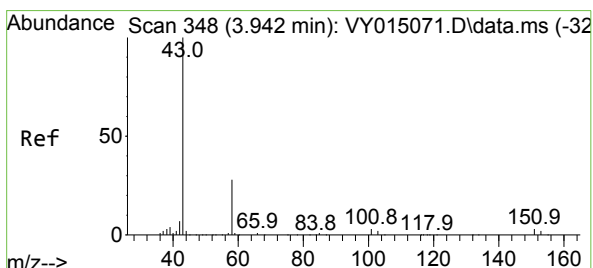
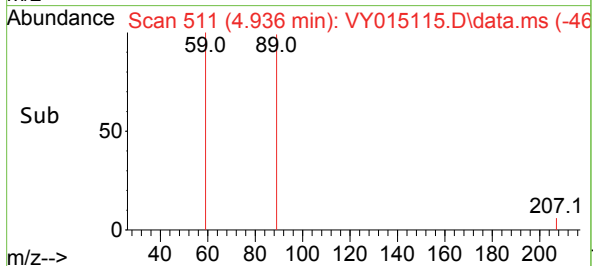
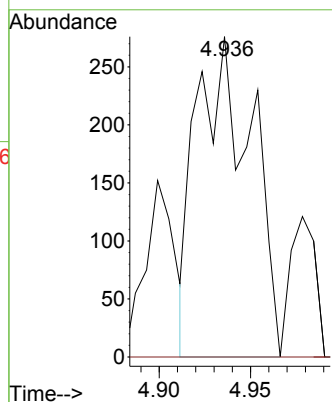


Tgt Ion: 59 Resp: 578

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 29.385 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015115.D

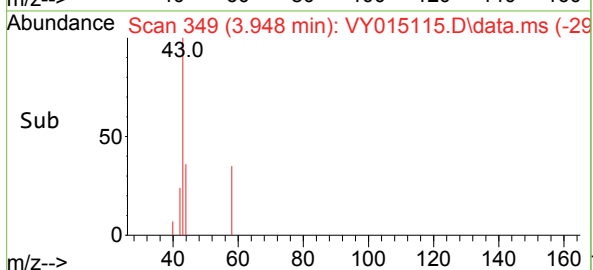
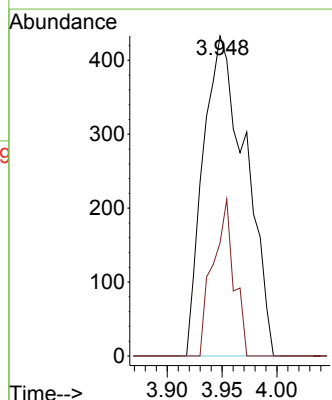
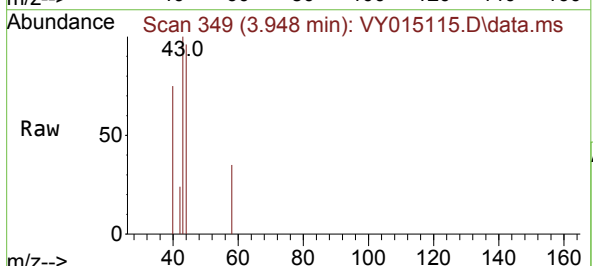
Acq: 15 Aug 2023 19:51

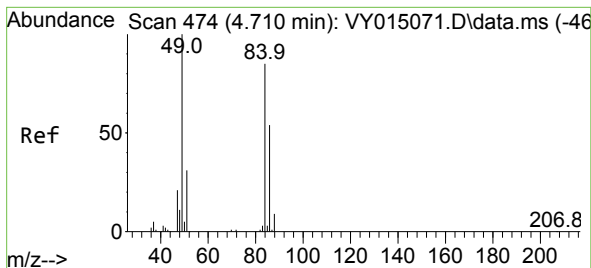
Tgt Ion: 43 Resp: 1161

Ion Ratio Lower Upper

43 100

58 35.3 22.7 34.1#





#20

Methylene Chloride

Concen: 11.113 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

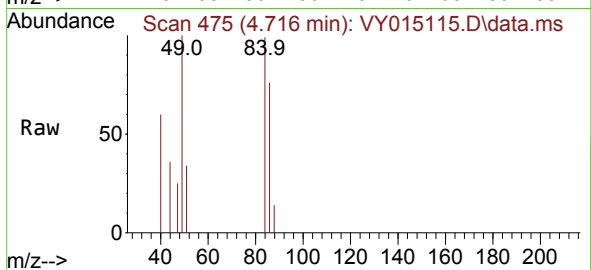
Lab File: VY015115.D

Acq: 15 Aug 2023 19:51

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1371

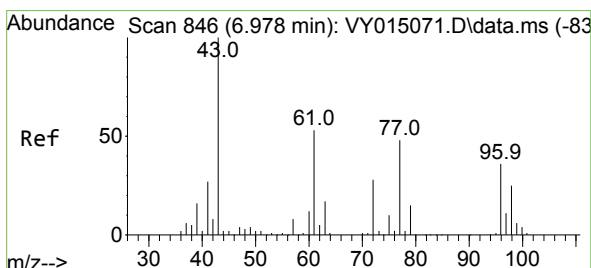
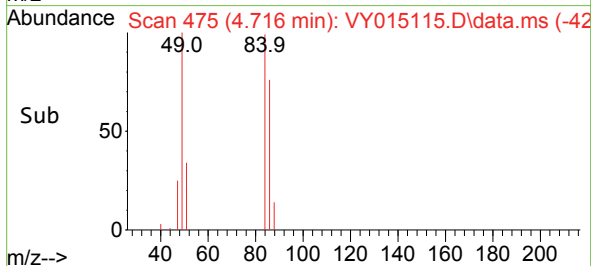
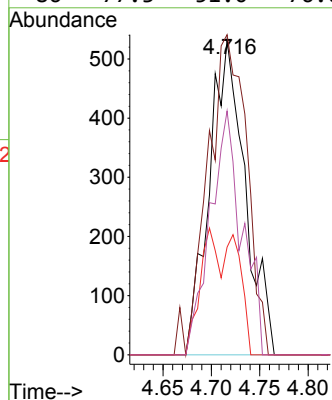
Ion Ratio Lower Upper

84 100

49 101.5 106.9 160.3#

51 34.1 33.2 49.8

86 77.3 51.0 76.6#



#25

2-Butanone

Concen: 12.656 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015115.D

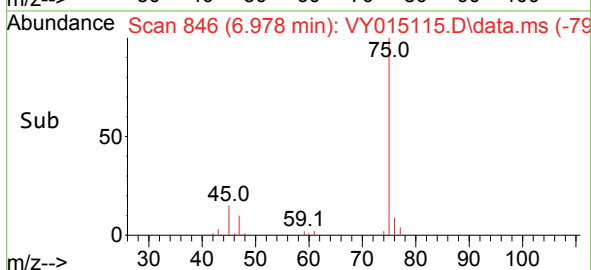
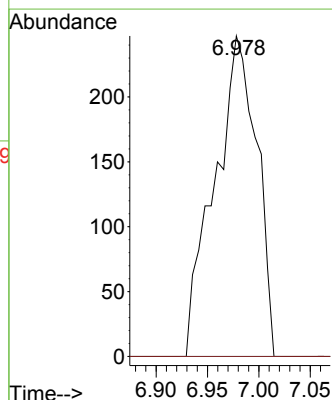
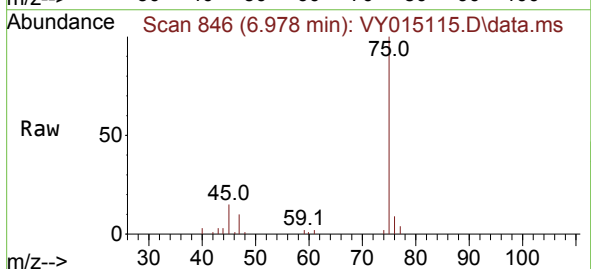
Acq: 15 Aug 2023 19:51

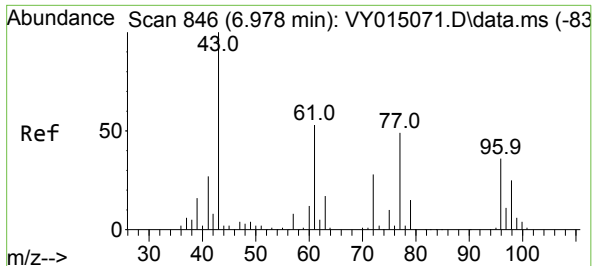
Tgt Ion: 43 Resp: 708

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 5.665 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY015115.D

Acq: 15 Aug 2023 19:51

Instrument :

MSVOA_Y

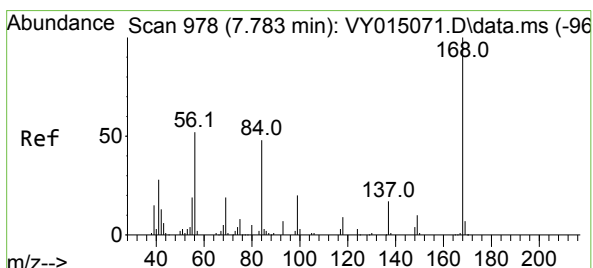
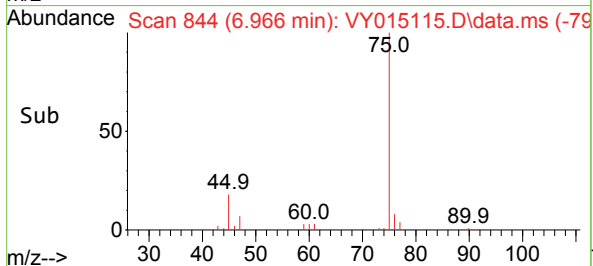
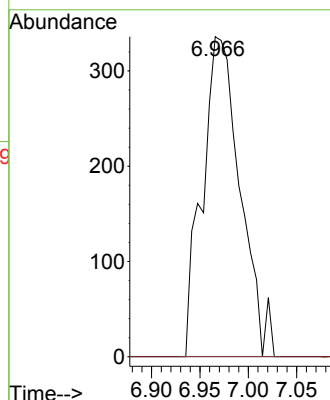
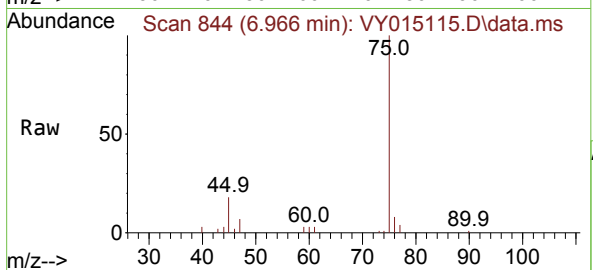
ClientSampleId :

Tgt Ion: 77 Resp: 917

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.018 min

Lab File: VY015115.D

Acq: 15 Aug 2023 19:51

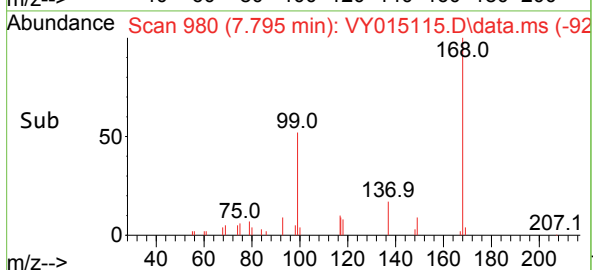
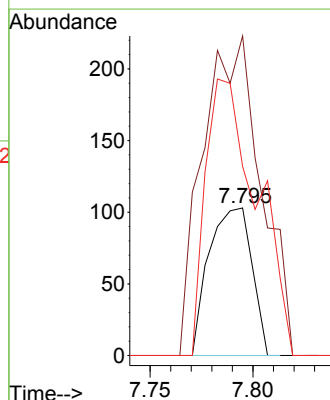
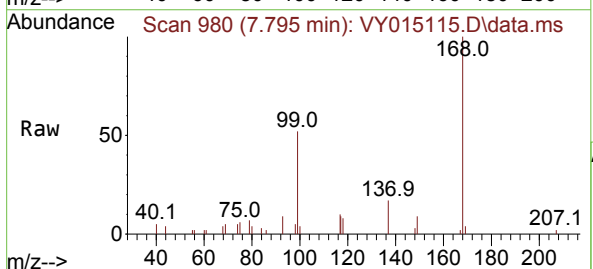
Tgt Ion: 56 Resp: 149

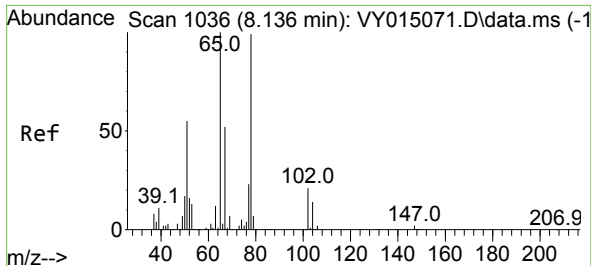
Ion Ratio Lower Upper

56 100

69 216.5 27.8 41.6#

84 128.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.185 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY015115.D

Acq: 15 Aug 2023 19:51

Instrument :

MSVOA_Y

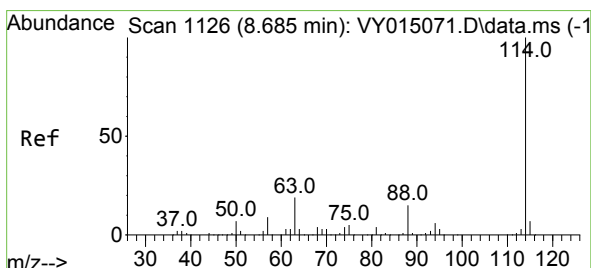
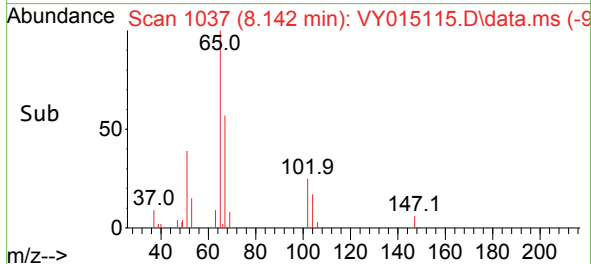
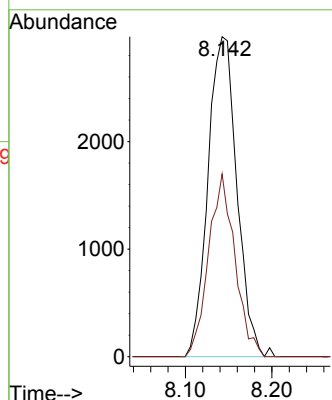
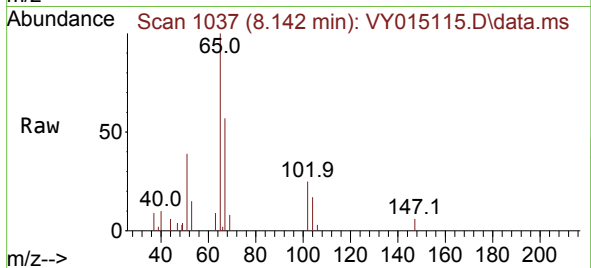
ClientSampleId :

Tgt Ion: 65 Resp: 6916

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015115.D

Acq: 15 Aug 2023 19:51

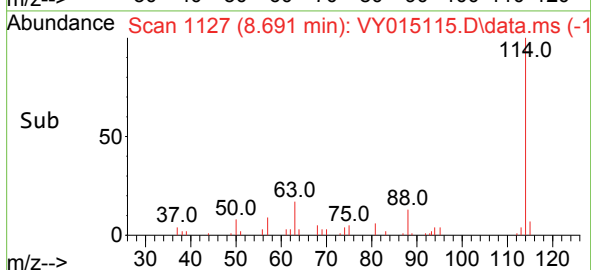
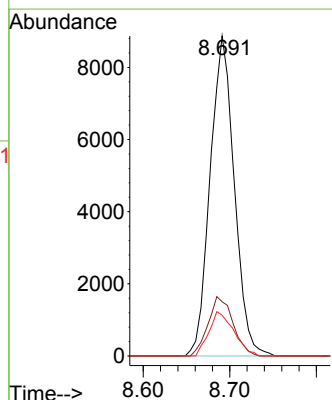
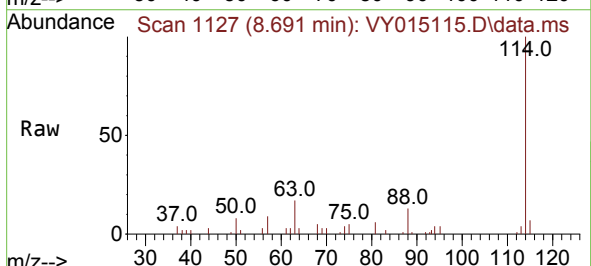
Tgt Ion: 114 Resp: 17182

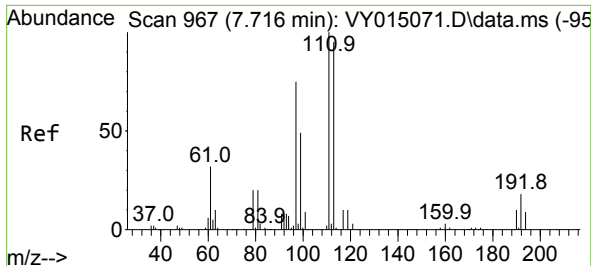
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 12.7 0.0 30.6

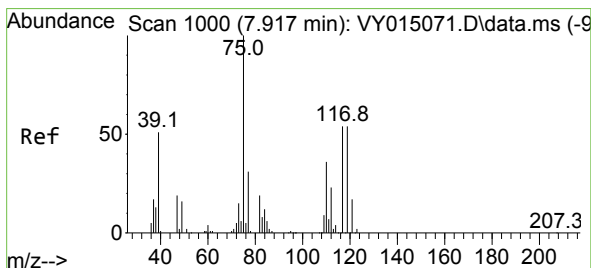
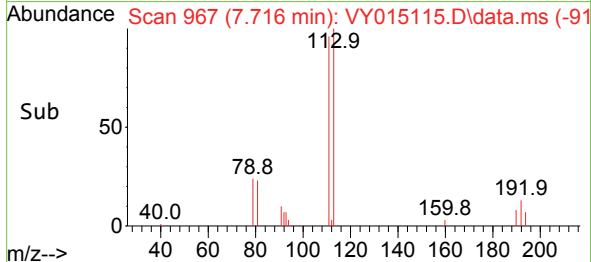
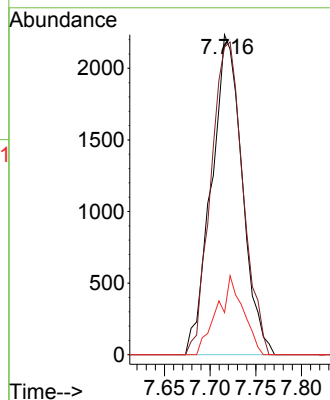
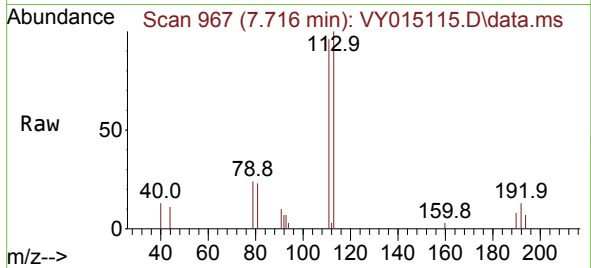




#35
Dibromofluoromethane
Concen: 47.314 ug/l
RT: 7.716 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

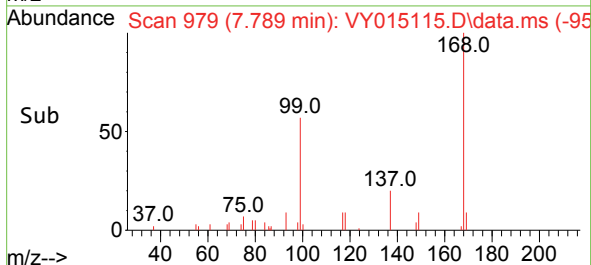
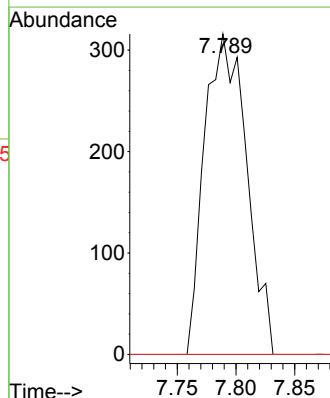
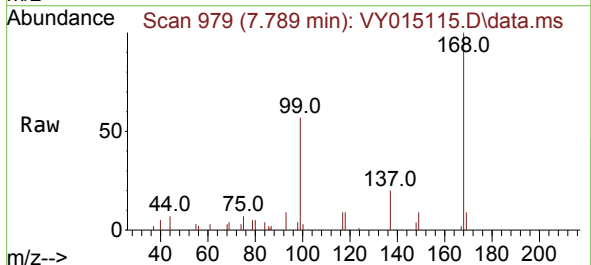
Instrument :
MSVOA_Y
ClientSampleId :

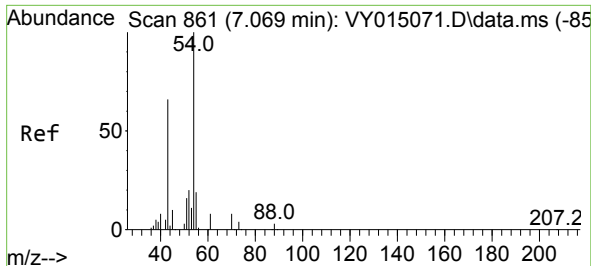
Tgt Ion:113 Resp: 5230
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.411 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

Tgt Ion: 75 Resp: 784
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 6.211 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

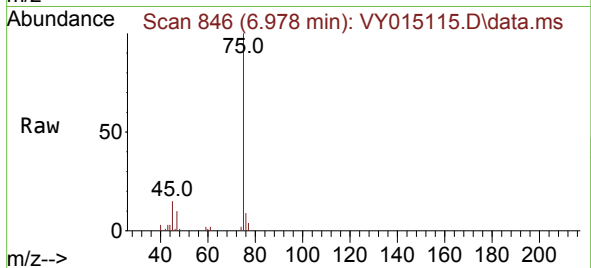
Lab File: VY015115.D

Acq: 15 Aug 2023 19:51

Instrument :

MSVOA_Y

ClientSampleId :



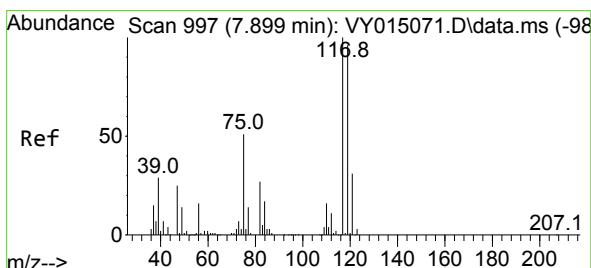
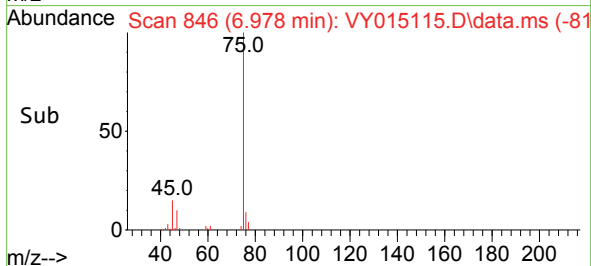
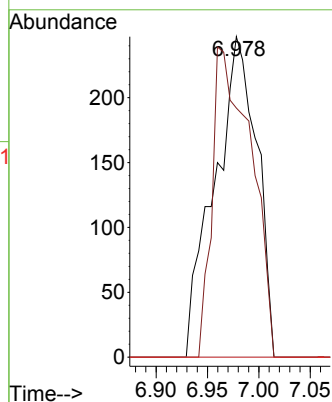
Tgt Ion: 43 Resp: 708

Ion Ratio Lower Upper

43 100

61 88.6 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.911 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY015115.D

Acq: 15 Aug 2023 19:51

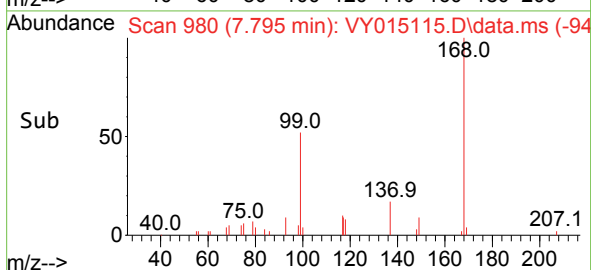
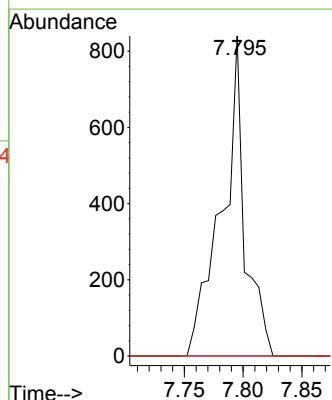
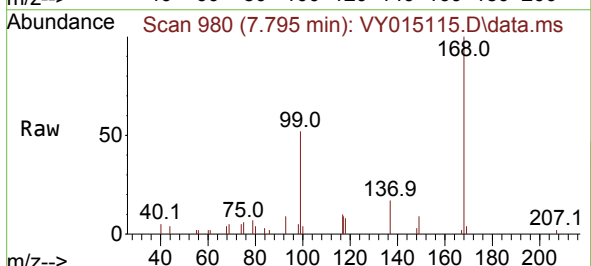
Tgt Ion: 117 Resp: 1145

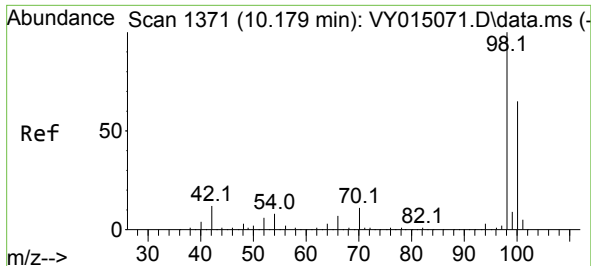
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

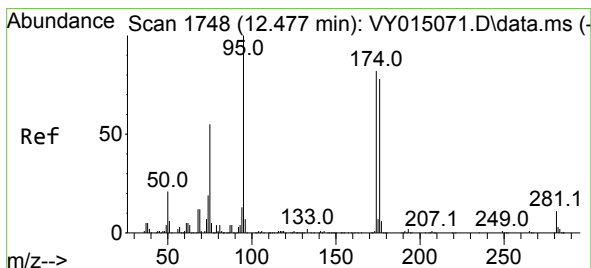
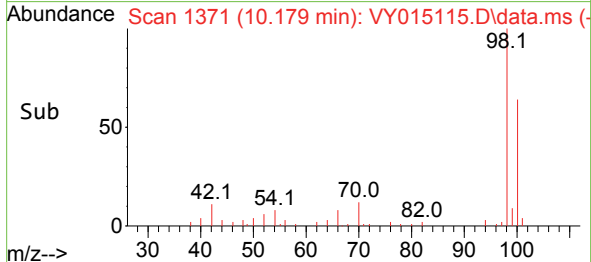
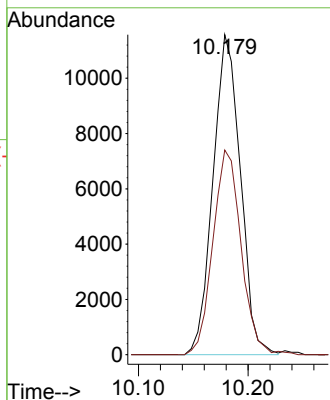
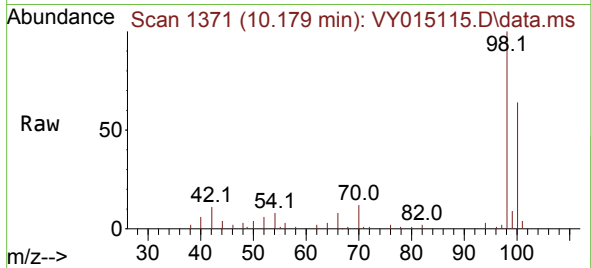




#50
Toluene-d8
Concen: 48.852 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

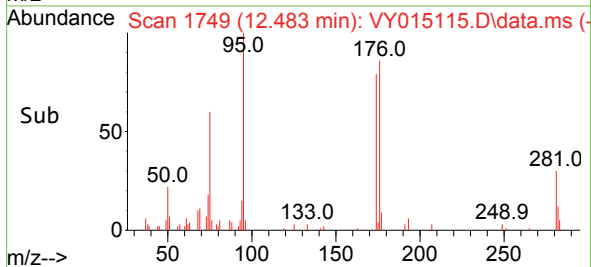
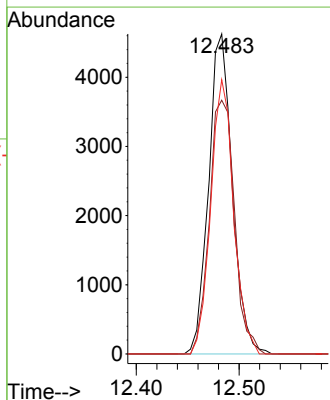
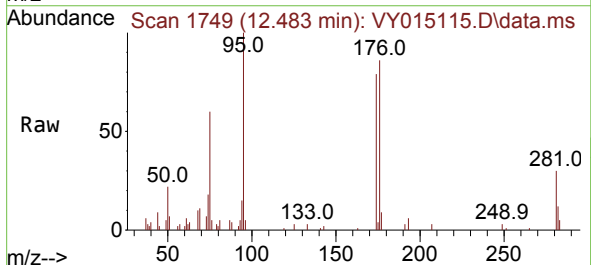
Instrument :
MSVOA_Y
ClientSampleId :

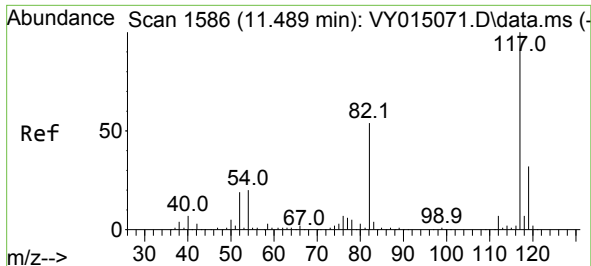
Tgt Ion: 98 Resp: 20102
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.330 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

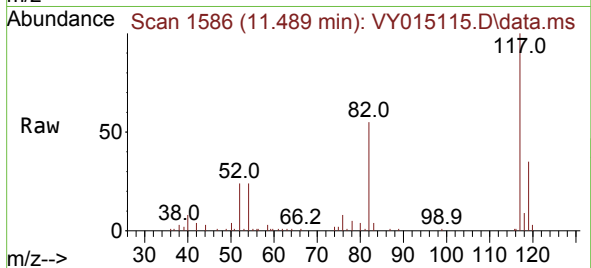
Tgt Ion: 95 Resp: 7414
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 82.6 0.0 173.8



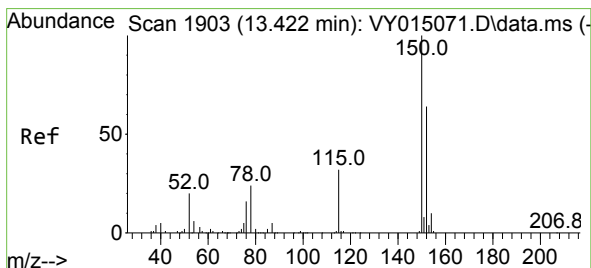
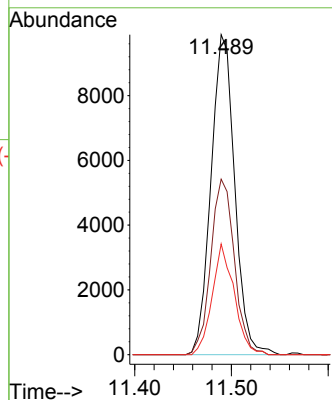
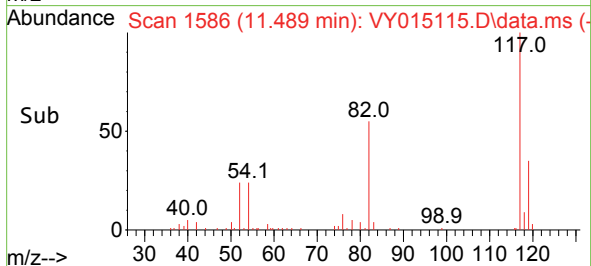


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

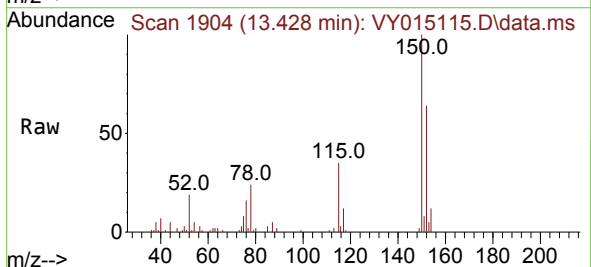
Instrument :
MSVOA_Y
ClientSampleId :



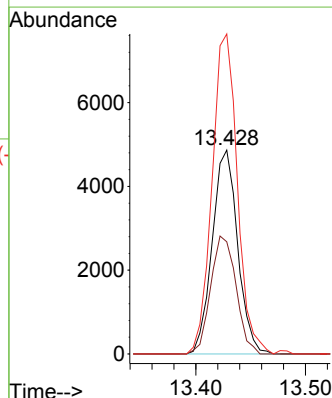
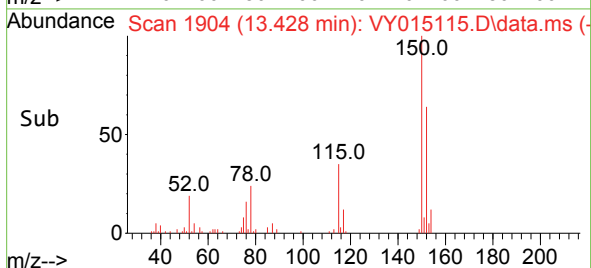
Tgt Ion:117 Resp: 16803
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.0
119 34.6 26.3 39.5

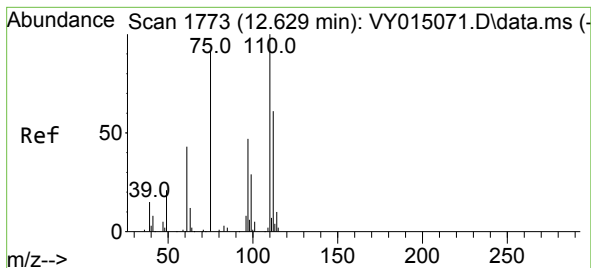


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51



Tgt Ion:152 Resp: 7849
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 155.8 0.0 348.8

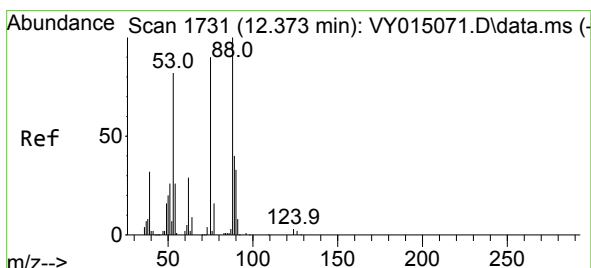
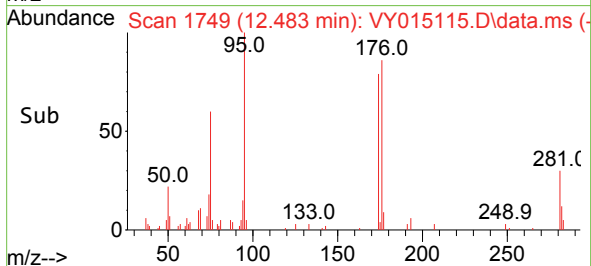
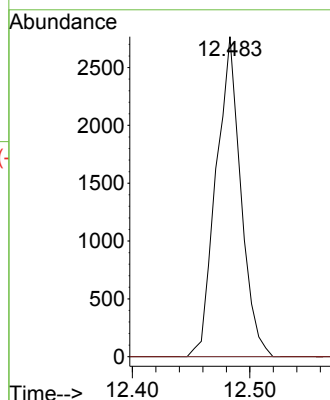
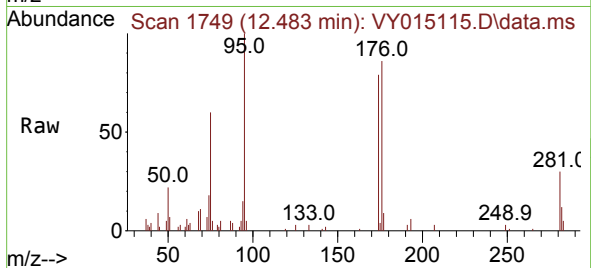




#76
1,2,3-Trichloropropane
Concen: 42.492 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

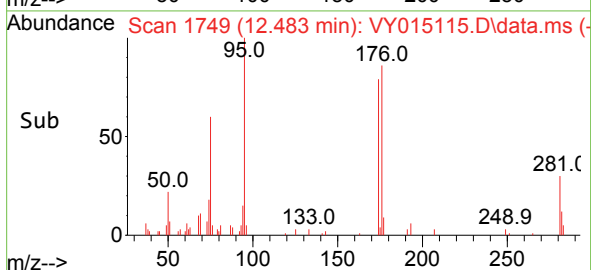
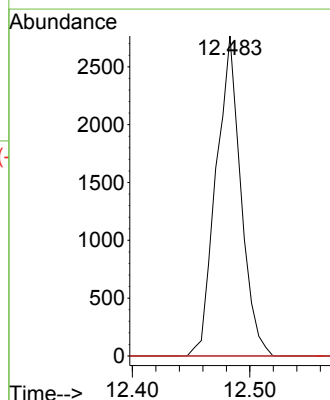
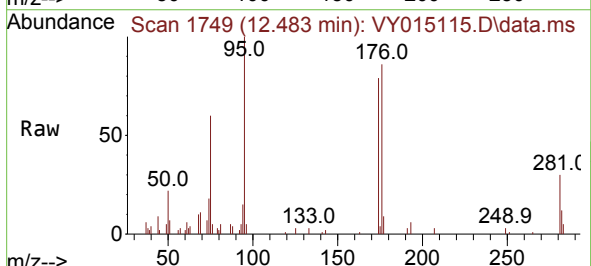
Instrument :
MSVOA_Y
ClientSampleId :

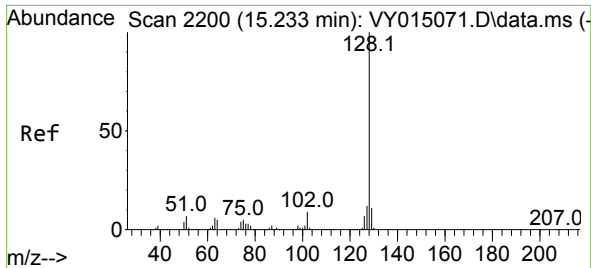
Tgt Ion: 75 Resp: 4052
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 93.333 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

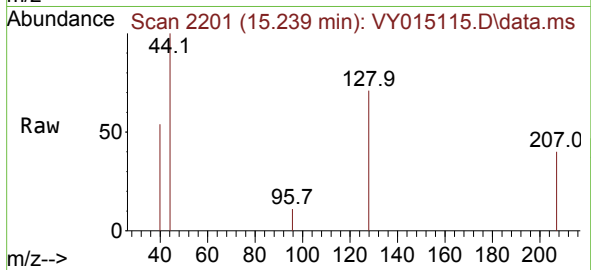
Tgt Ion: 75 Resp: 4052
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.536 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015115.D
Acq: 15 Aug 2023 19:51

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.6	13.0#

