

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015294.D
 Acq On : 23 Aug 2023 20:30
 Operator : SY/MD
 Sample : 04116-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:37:12 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)

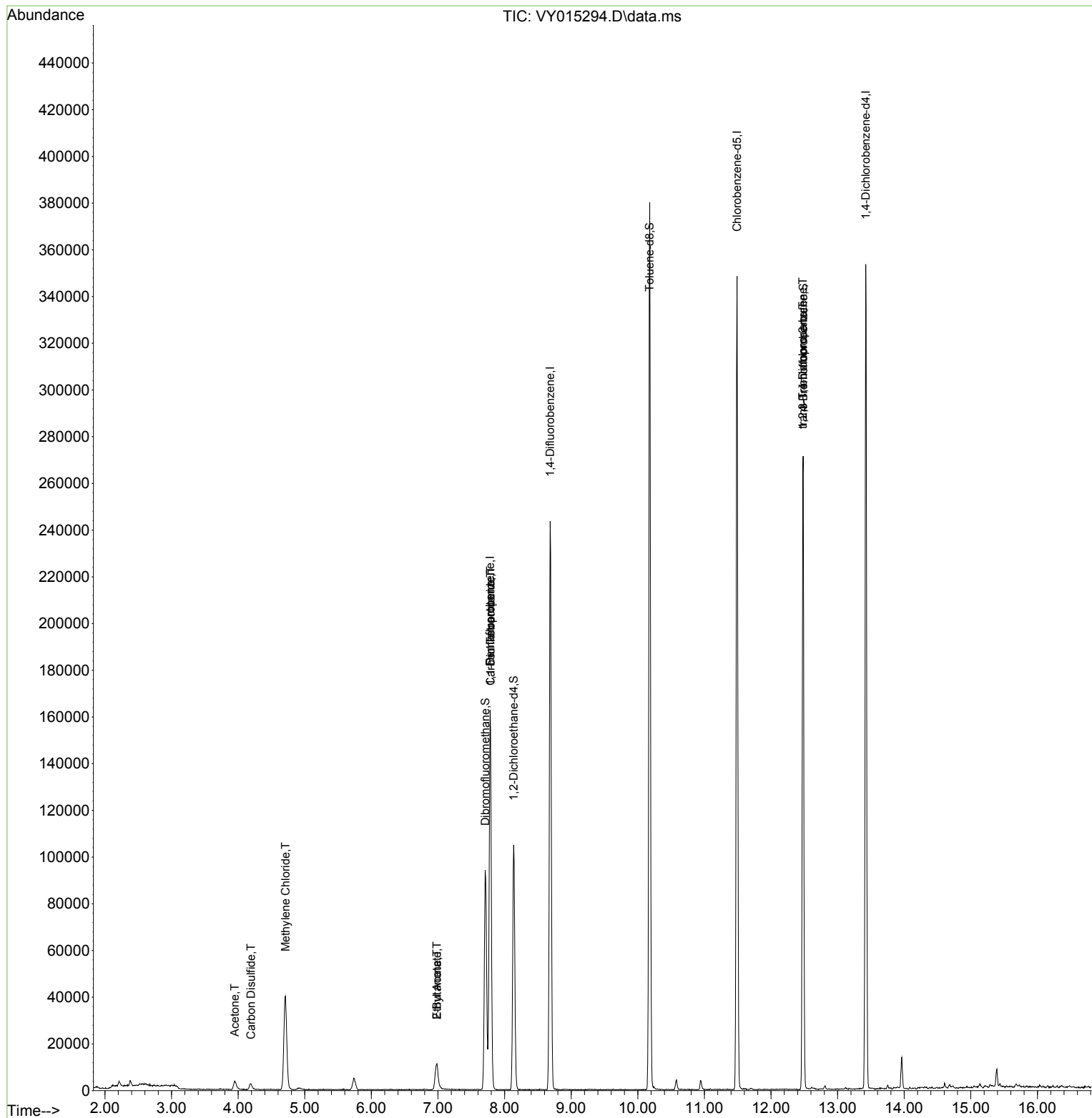
Internal Standards						
1) Pentafluorobenzene	7.783	168	124148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	207612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	187674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	91189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81705	54.825	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.660%	
35) Dibromofluoromethane	7.710	113	66039	49.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.880%	
50) Toluene-d8	10.179	98	244525	49.180	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.360%	
62) 4-Bromofluorobenzene	12.483	95	81851	45.072	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	27	Below Cal	#	43
3) Chloromethane	2.101	50	150	Below Cal	#	43
5) Bromomethane	2.656	94	147	Below Cal	#	2
11) Tert butyl alcohol	4.905	59	271	Below Cal	#	89
13) Acrolein	3.729	56	322	Below Cal	#	79
16) Acetone	3.948	43	7143	14.672	ug/l	96
17) Carbon Disulfide	4.192	76	5062	3.330	ug/l	# 92
20) Methylene Chloride	4.710	84	30398	23.775	ug/l	96
25) 2-Butanone	6.984	43	2084	3.023	ug/l	# 89
31) Cyclohexane	7.783	56	2627	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	9788	6.624	ug/l	# 49
37) Ethyl Acetate	6.984	43	2084	1.513	ug/l	# 88
38) Carbon Tetrachloride	7.789	117	12737	7.283	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	43854	39.584	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	43854	86.945	ug/l	# 11

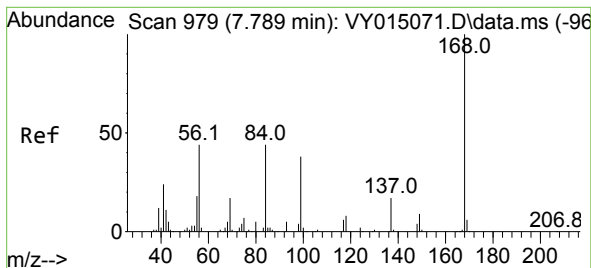
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY015294.D

Acq: 23 Aug 2023 20:30

Instrument :

MSVOA_Y

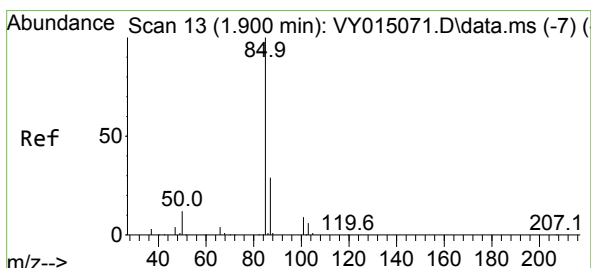
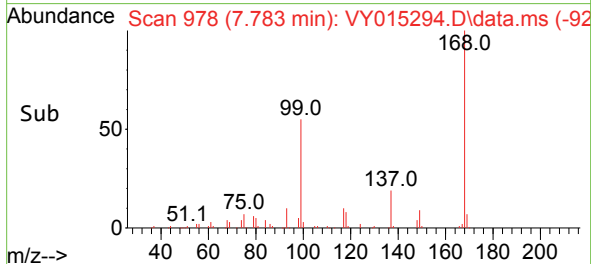
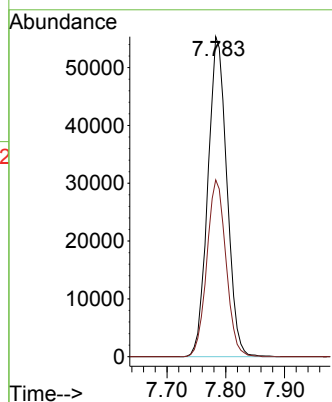
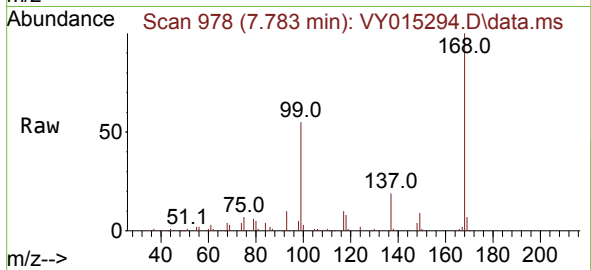
ClientSampleId :

Tgt Ion:168 Resp: 124148

Ion Ratio Lower Upper

168 100

99 55.3 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.906 min Scan# 14

Delta R.T. 0.006 min

Lab File: VY015294.D

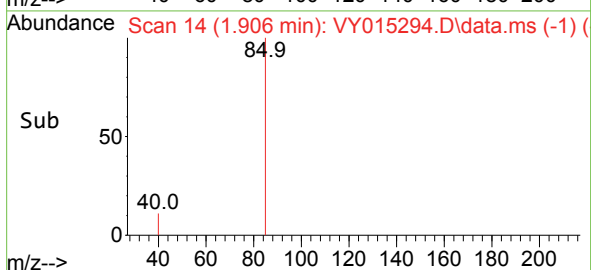
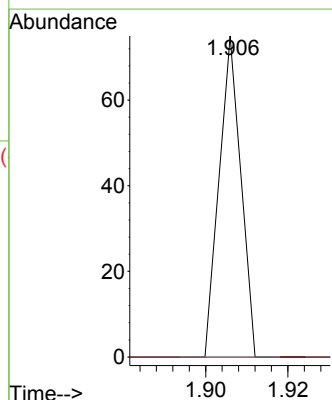
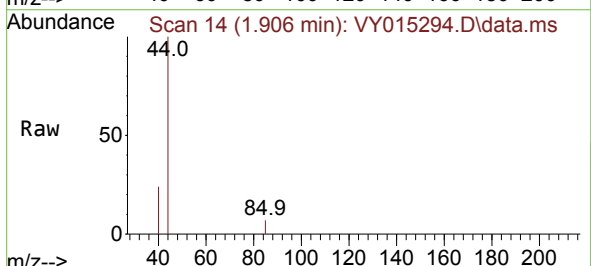
Acq: 23 Aug 2023 20:30

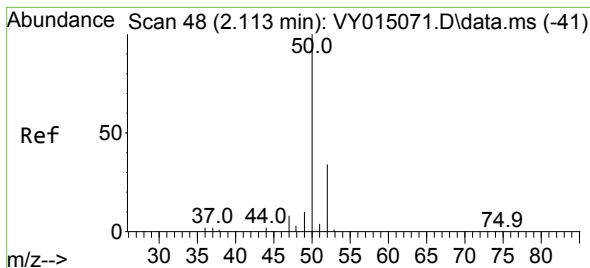
Tgt Ion: 85 Resp: 27

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.101 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY015294.D

Acq: 23 Aug 2023 20:30

Instrument :

MSVOA_Y

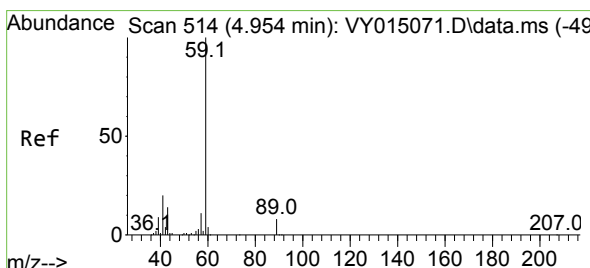
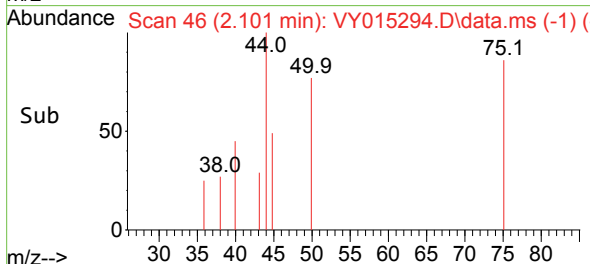
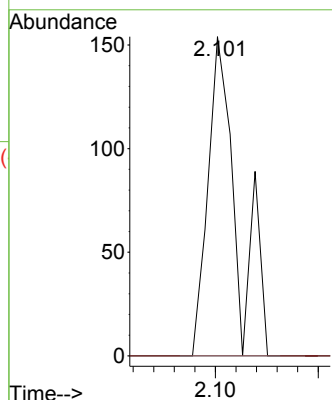
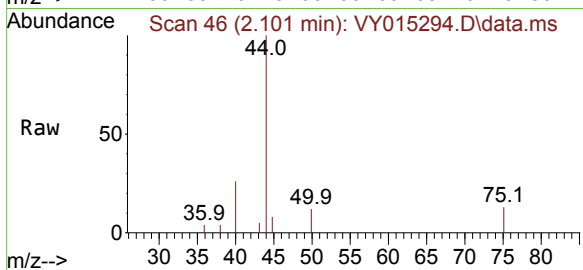
ClientSampleId :

Tgt Ion: 50 Resp: 150

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.905 min Scan# 506

Delta R.T. -0.043 min

Lab File: VY015294.D

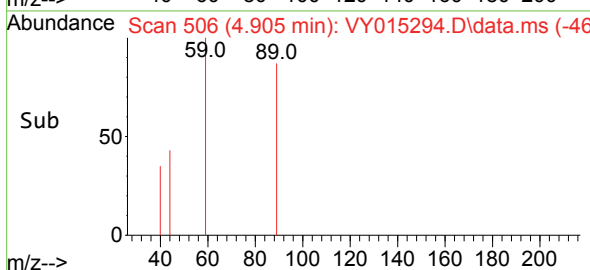
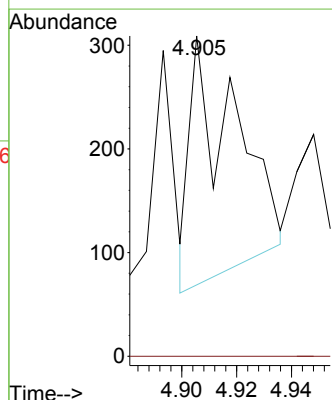
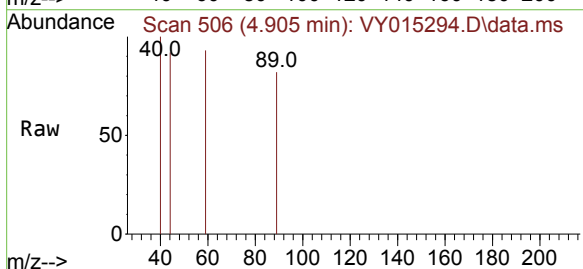
Acq: 23 Aug 2023 20:30

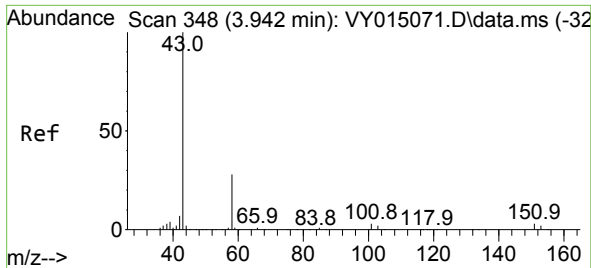
Tgt Ion: 59 Resp: 271

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#





#16

Acetone

Concen: 14.672 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY015294.D

Acq: 23 Aug 2023 20:30

Instrument :

MSVOA_Y

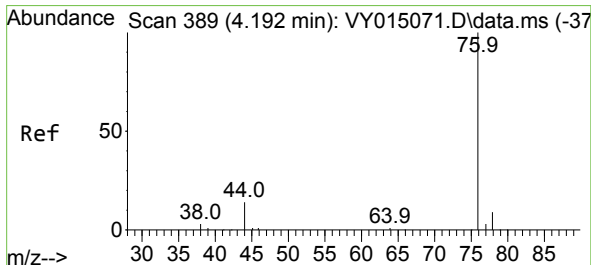
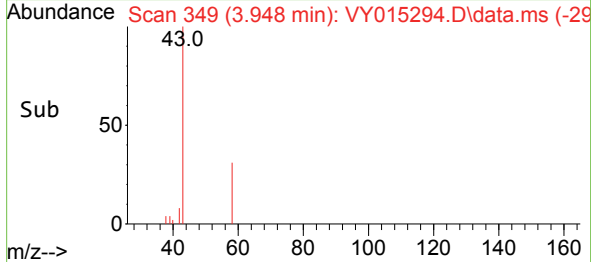
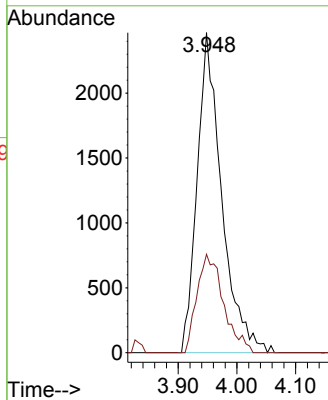
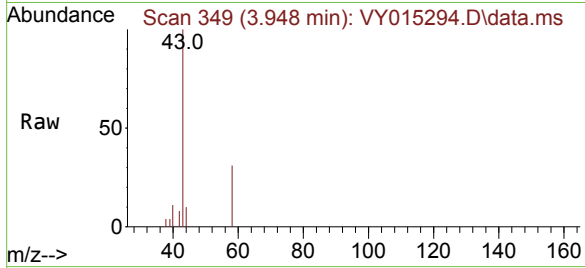
ClientSampleId :

Tgt Ion: 43 Resp: 7143

Ion Ratio Lower Upper

43 100

58 30.7 22.7 34.1



#17

Carbon Disulfide

Concen: 3.330 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY015294.D

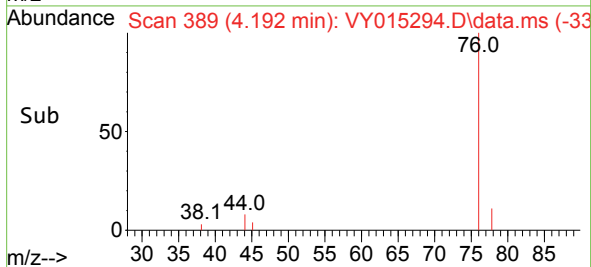
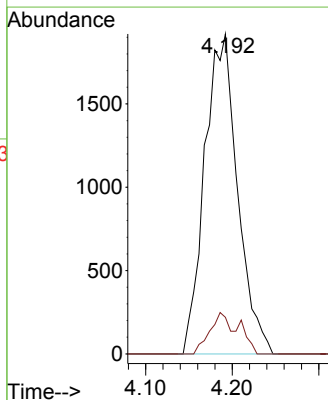
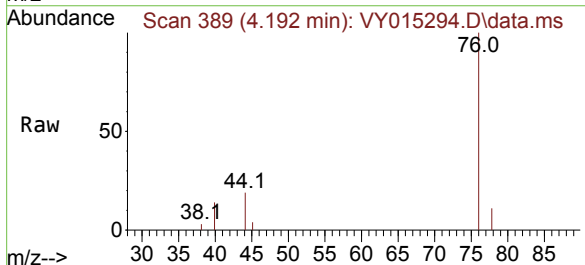
Acq: 23 Aug 2023 20:30

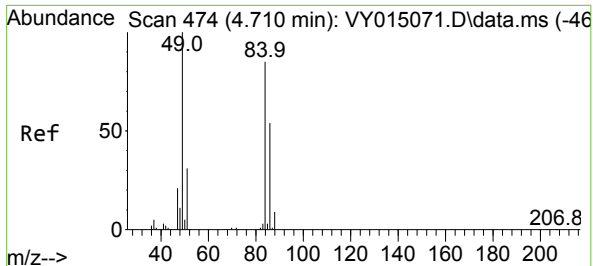
Tgt Ion: 76 Resp: 5062

Ion Ratio Lower Upper

76 100

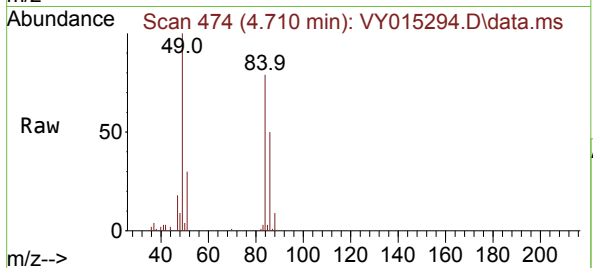
78 11.5 7.0 10.4#



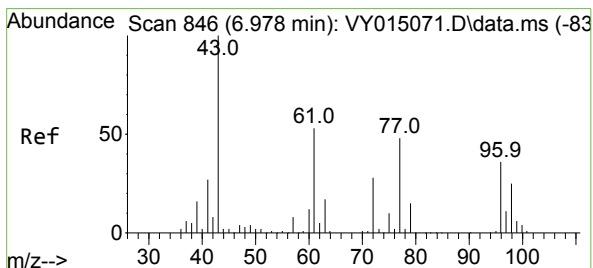
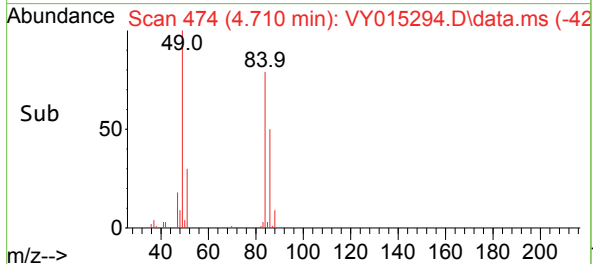
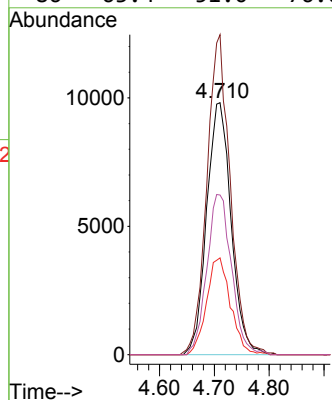


#20
Methylene Chloride
Concen: 23.775 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

Instrument :
MSVOA_Y
ClientSampleId :

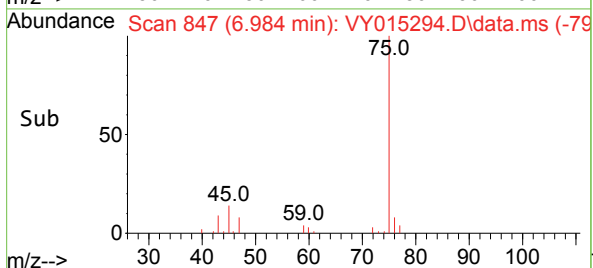
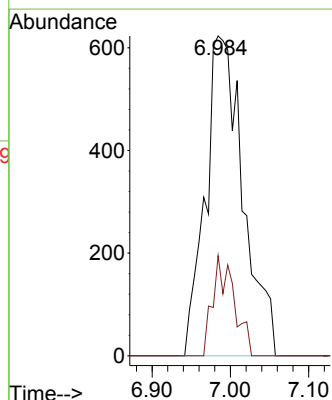
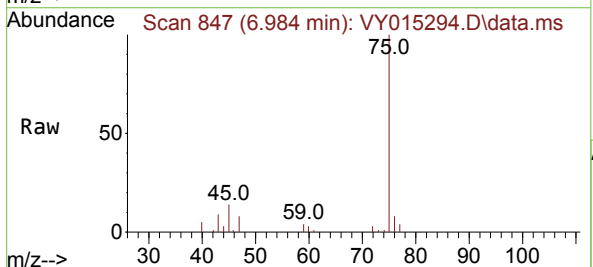


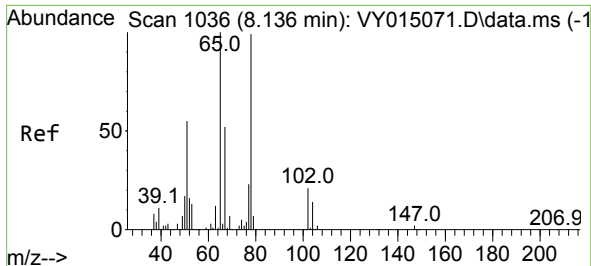
Tgt Ion:	84	Resp:	30398
Ion	Ratio	Lower	Upper
84	100		
49	126.9	106.9	160.3
51	38.4	33.2	49.8
86	63.4	51.0	76.6



#25
2-Butanone
Concen: 3.023 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

Tgt Ion:	43	Resp:	2084
Ion	Ratio	Lower	Upper
43	100		
72	31.3	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 54.825 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015294.D

Acq: 23 Aug 2023 20:30

Instrument :

MSVOA_Y

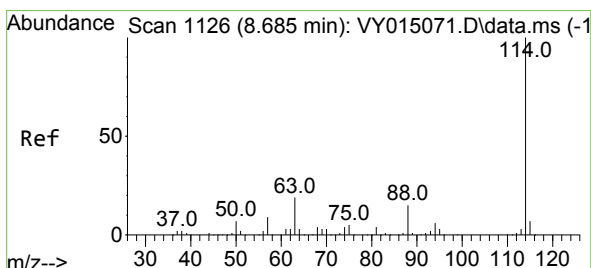
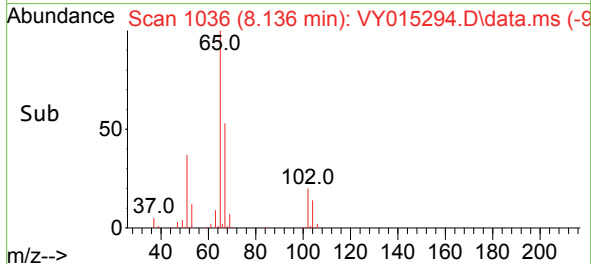
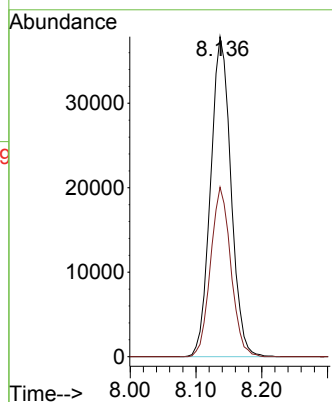
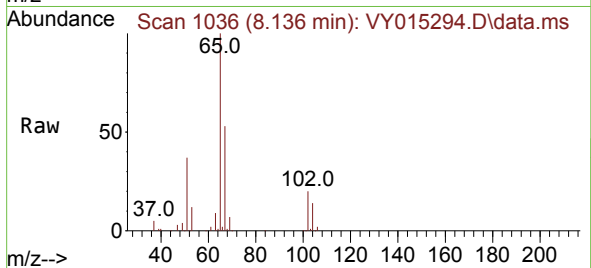
ClientSampleId :

Tgt Ion: 65 Resp: 81705

Ion Ratio Lower Upper

65 100

67 52.7 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: VY015294.D

Acq: 23 Aug 2023 20:30

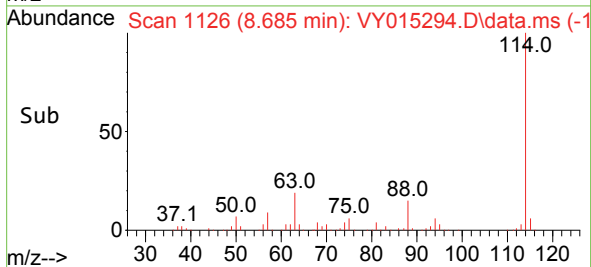
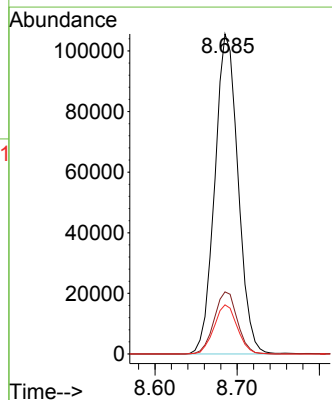
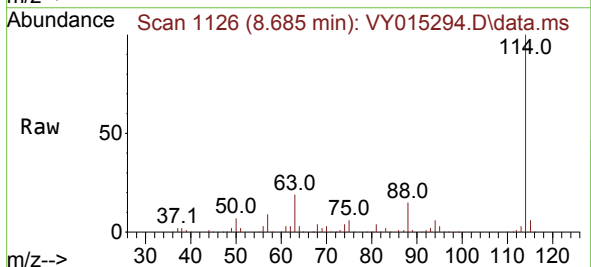
Tgt Ion: 114 Resp: 207612

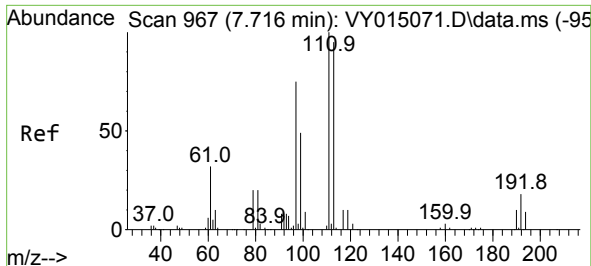
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.4 0.0 30.6

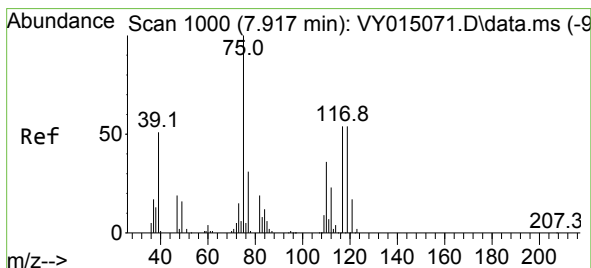
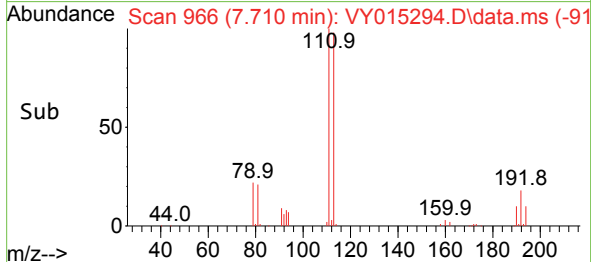
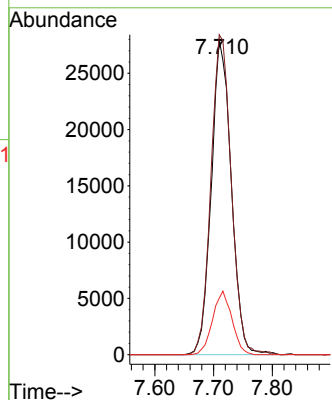
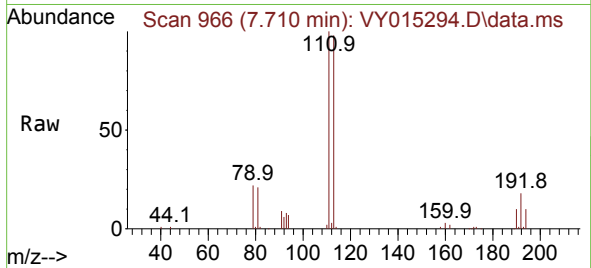




#35
Dibromofluoromethane
Concen: 49.444 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

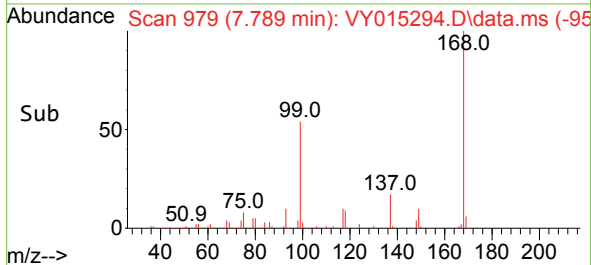
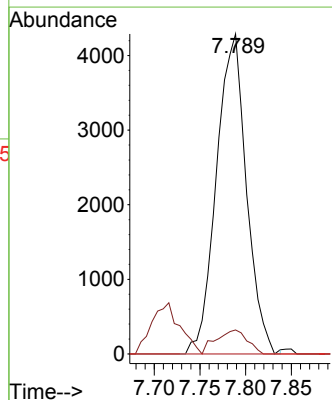
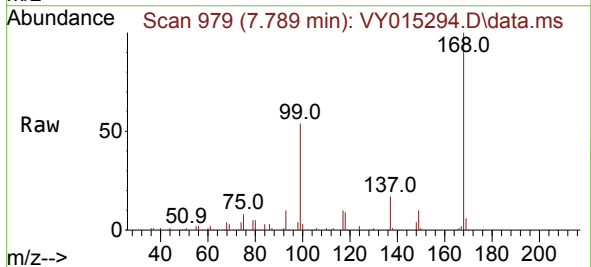
Instrument :
MSVOA_Y
ClientSampleId :

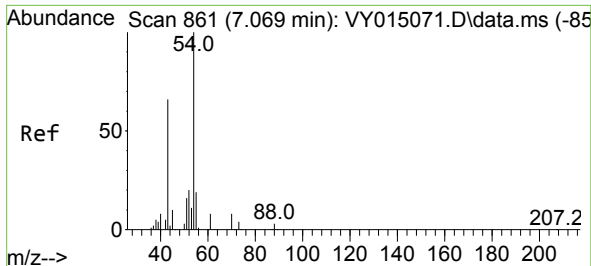
Tgt Ion:113 Resp: 66039
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.624 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

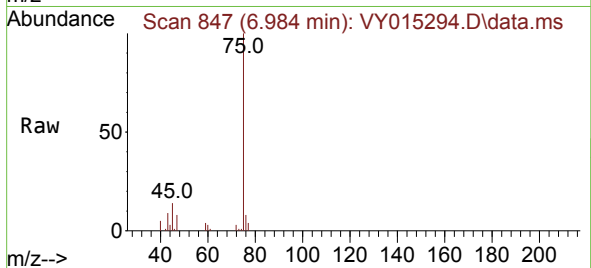
Tgt Ion: 75 Resp: 9788
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.5#
77 0.0 24.4 36.6#



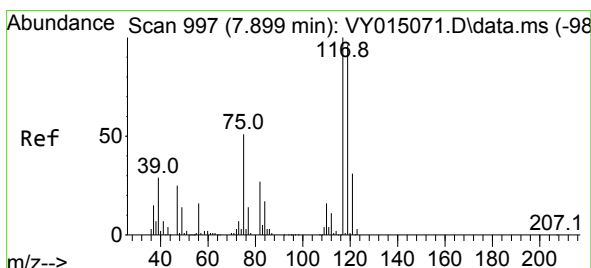
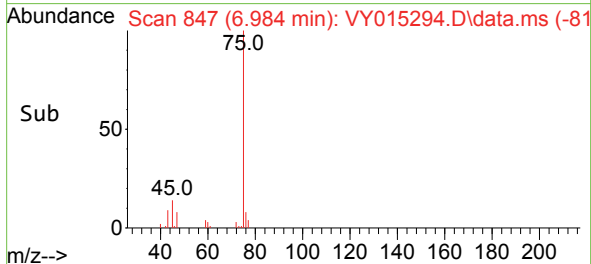
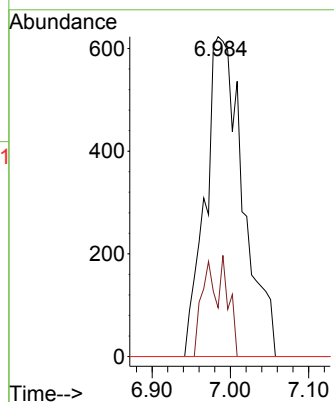


#37
Ethyl Acetate
Concen: 1.513 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

Instrument :
MSVOA_Y
ClientSampleId :

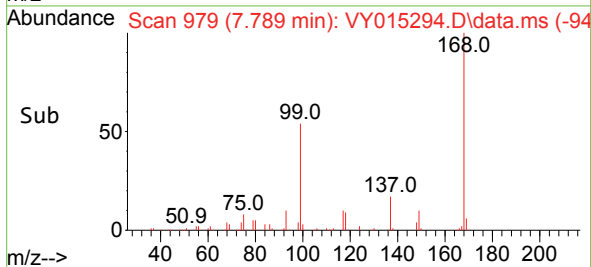
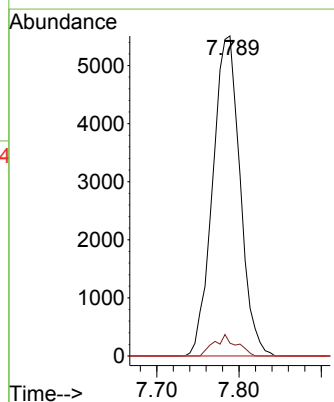
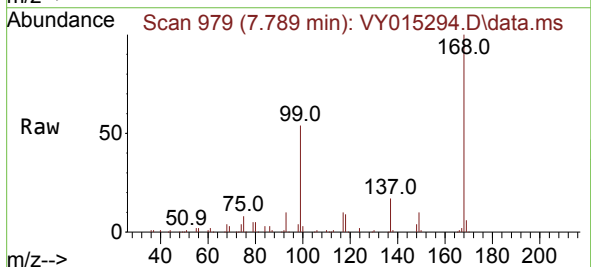


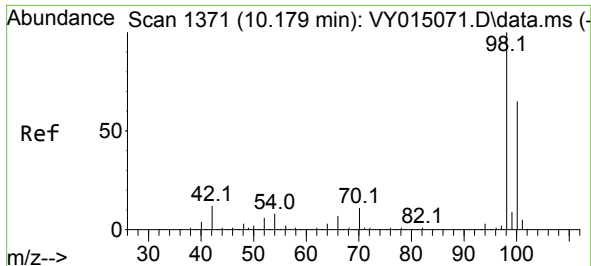
Tgt Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
61 11.3 10.1 15.1
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 7.283 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

Tgt Ion: 117 Resp: 12737
Ion Ratio Lower Upper
117 100
119 4.0 76.4 114.6#
121 0.0 25.8 38.6#

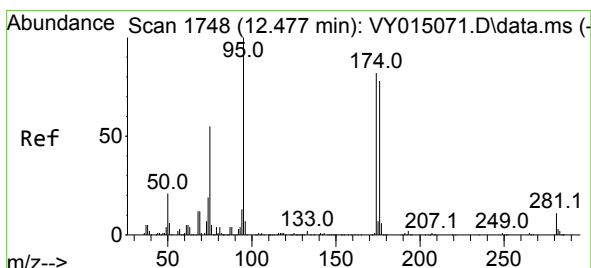
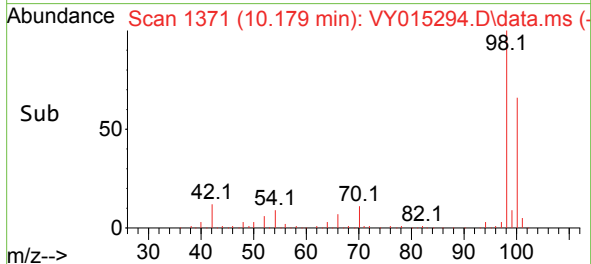
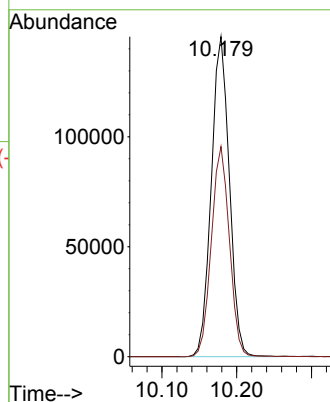
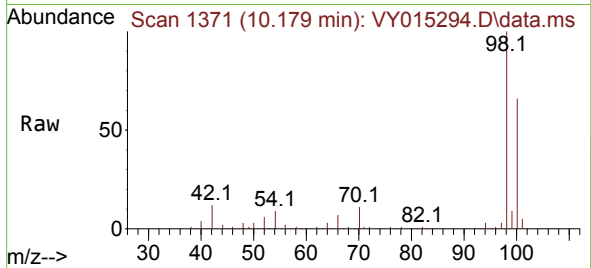




#50
Toluene-d8
Concen: 49.180 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

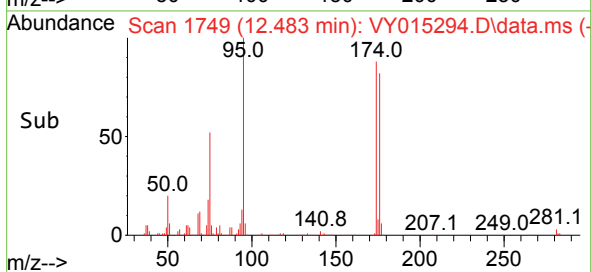
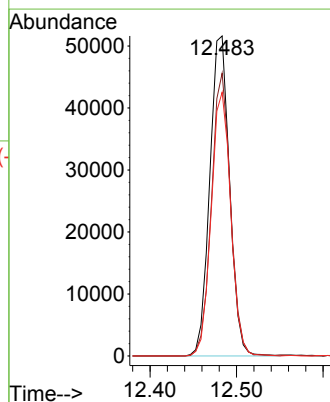
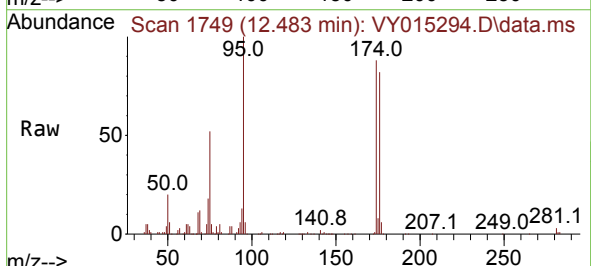
Instrument :
MSVOA_Y
ClientSampleId :

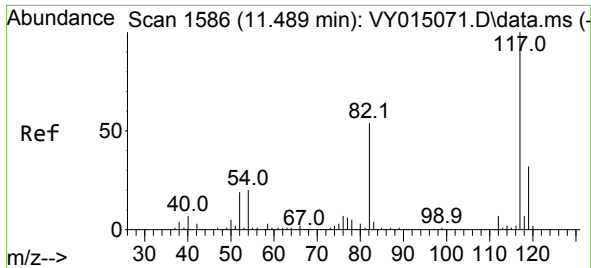
Tgt Ion: 98 Resp: 244525
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.072 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

Tgt Ion: 95 Resp: 81851
Ion Ratio Lower Upper
95 100
174 85.5 0.0 178.2
176 81.5 0.0 173.8

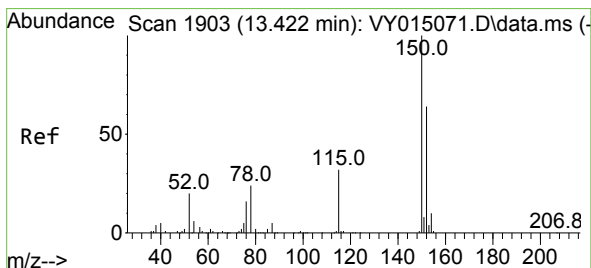
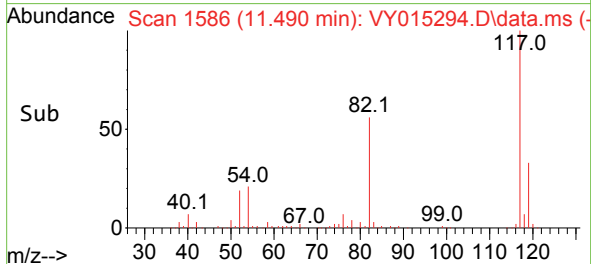
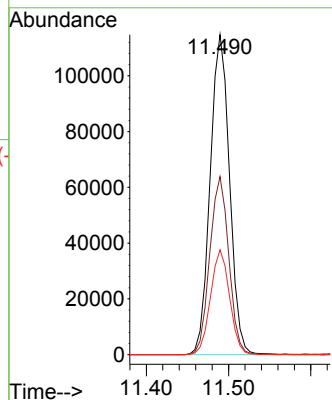
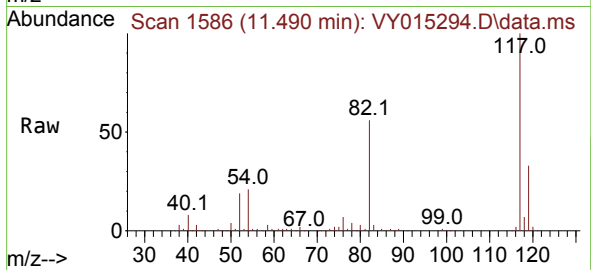




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

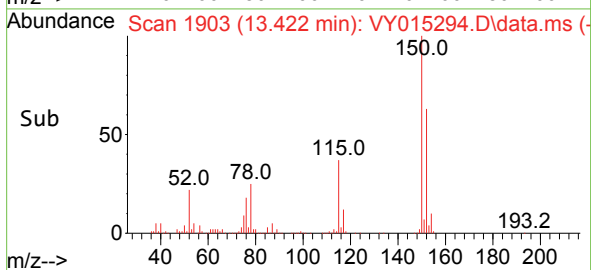
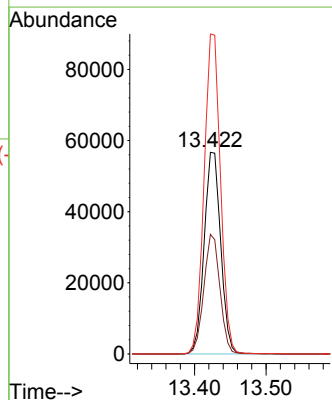
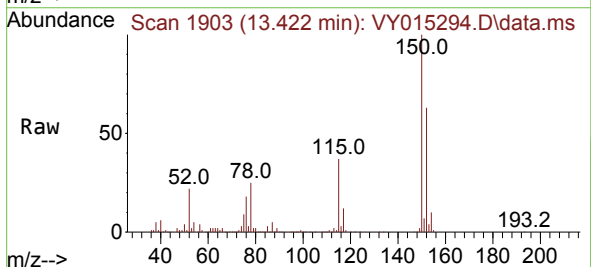
Instrument :
MSVOA_Y
ClientSampleId :

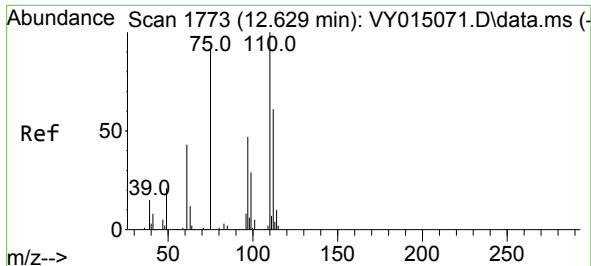
Tgt Ion:117 Resp: 187674
Ion Ratio Lower Upper
117 100
82 55.7 43.4 65.0
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

Tgt Ion:152 Resp: 91189
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 156.9 0.0 348.8

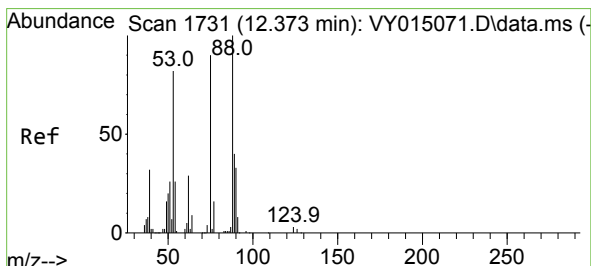
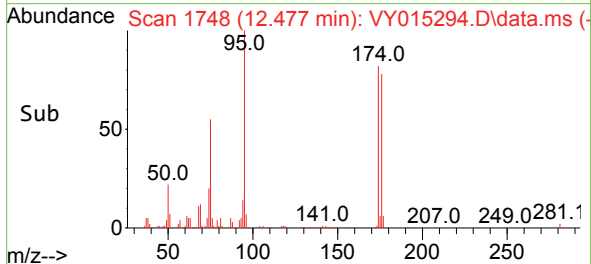
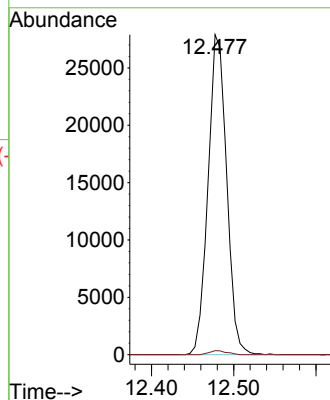
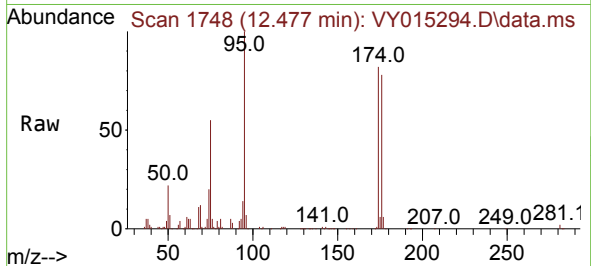




#76
1,2,3-Trichloropropane
Concen: 39.584 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 43854
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.945 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015294.D
Acq: 23 Aug 2023 20:30

Tgt Ion: 75 Resp: 43854
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.0 37.4 56.0#

