

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015296.D
 Acq On : 23 Aug 2023 21:17
 Operator : SY/MD
 Sample : 04116-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:37:54 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)

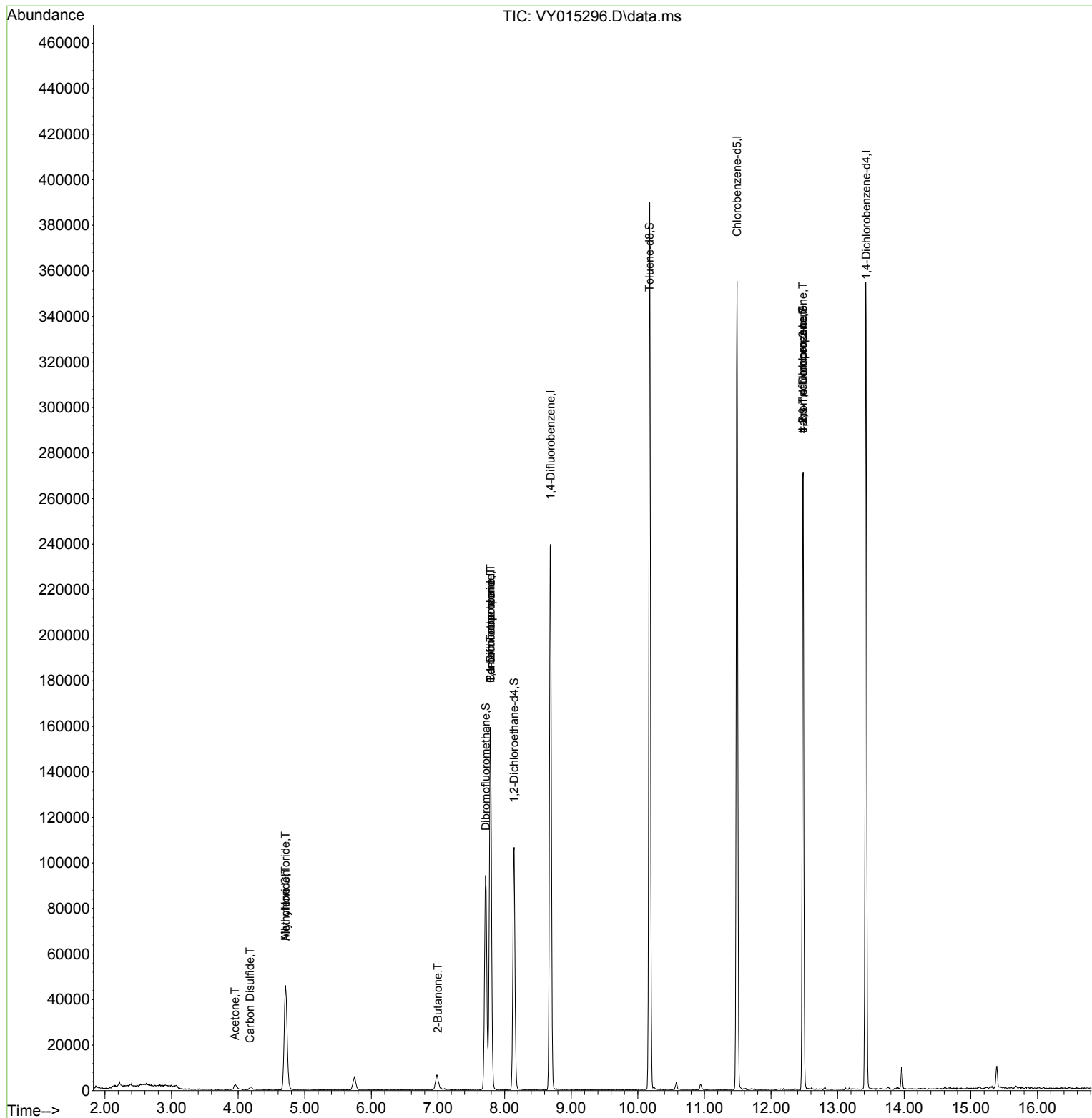
Internal Standards						
1) Pentafluorobenzene	7.789	168	125093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	208248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	83551	55.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.280%
35) Dibromofluoromethane	7.716	113	66752	49.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.640%
50) Toluene-d8	10.179	98	247757	49.678	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.360%
62) 4-Bromofluorobenzene	12.477	95	82566	45.327	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	135	Below Cal	#	43
5) Bromomethane	2.649	94	159	Below Cal	#	2
11) Tert butyl alcohol	4.966	59	42	Below Cal	#	89
14) Allyl chloride	4.710	41	1592	1.032	ug/l #	22
16) Acetone	3.954	43	4677	9.534	ug/l	95
17) Carbon Disulfide	4.180	76	2465	1.609	ug/l	99
20) Methylene Chloride	4.710	84	34101	27.006	ug/l	92
25) 2-Butanone	6.996	43	843	1.214	ug/l	94
31) Cyclohexane	7.789	56	2533	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10032	6.768	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12161	6.933	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	44266	40.072	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44266	88.018	ug/l #	10

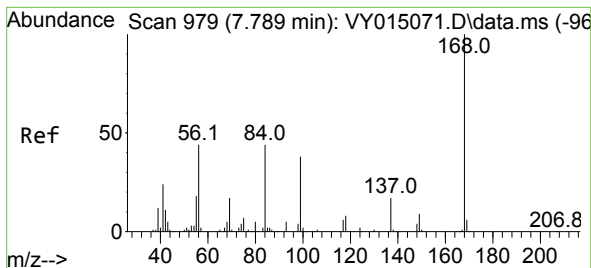
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015296.D

Acq: 23 Aug 2023 21:17

Instrument :

MSVOA_Y

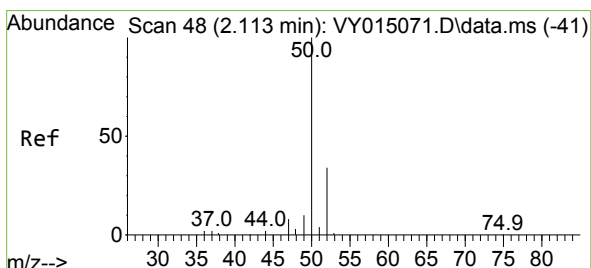
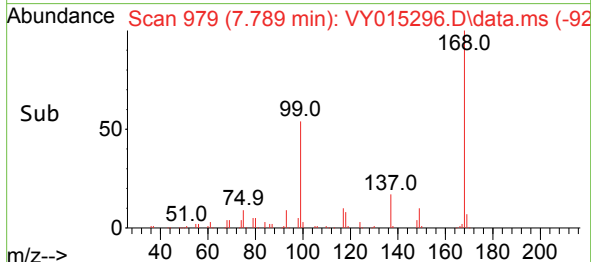
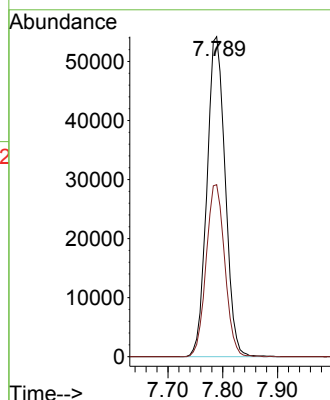
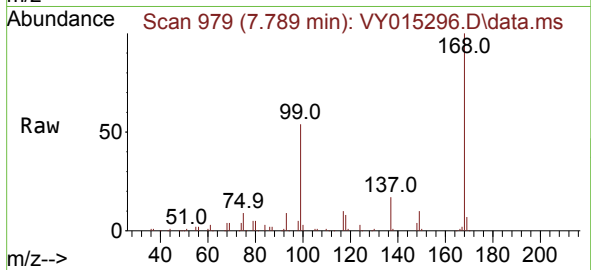
ClientSampleId :

Tgt Ion:168 Resp: 125093

Ion Ratio Lower Upper

168 100

99 53.8 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. -0.000 min

Lab File: VY015296.D

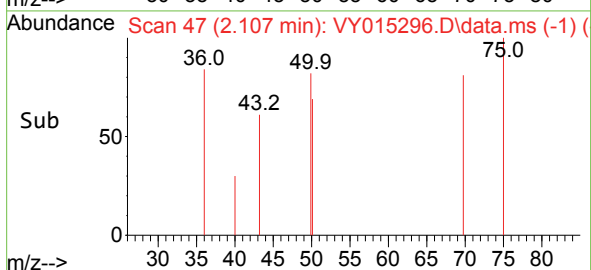
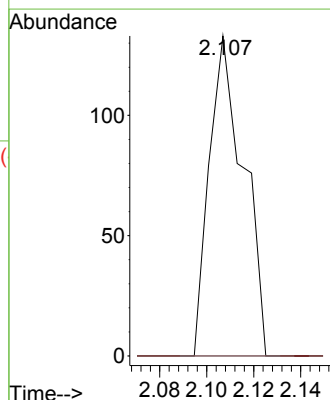
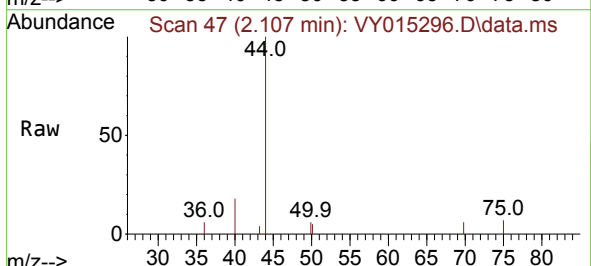
Acq: 23 Aug 2023 21:17

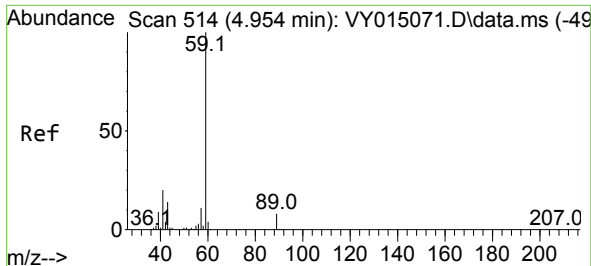
Tgt Ion: 50 Resp: 135

Ion Ratio Lower Upper

50 100

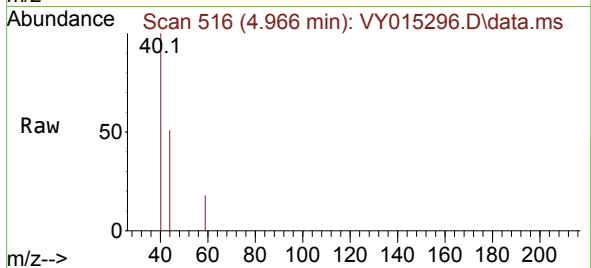
52 0.0 25.4 38.2#



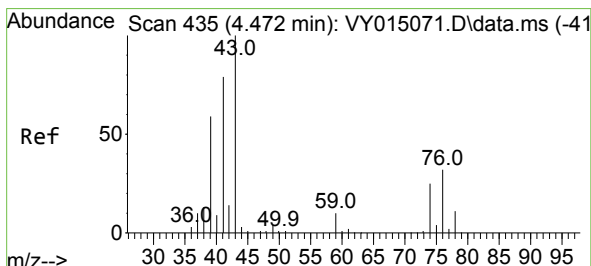
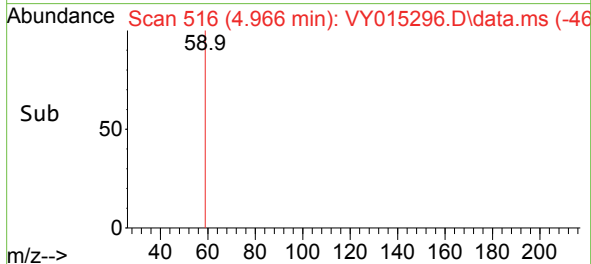
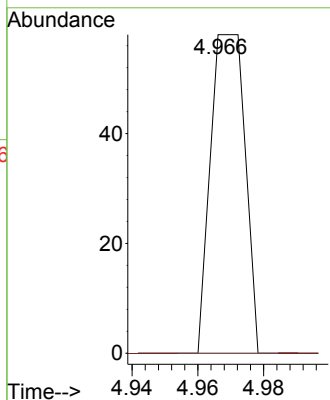


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

Instrument :
MSVOA_Y
ClientSampleId :

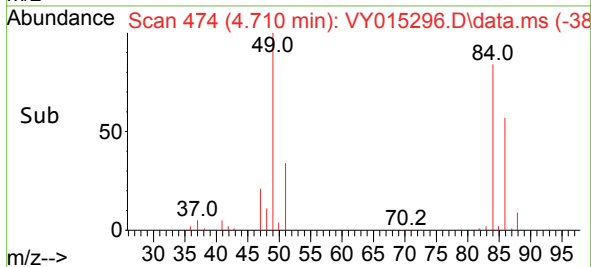
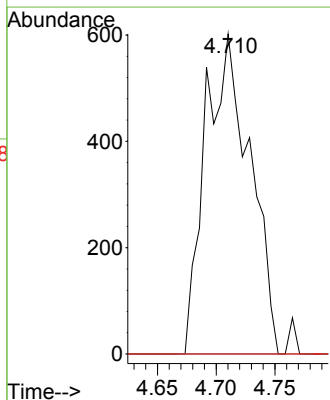
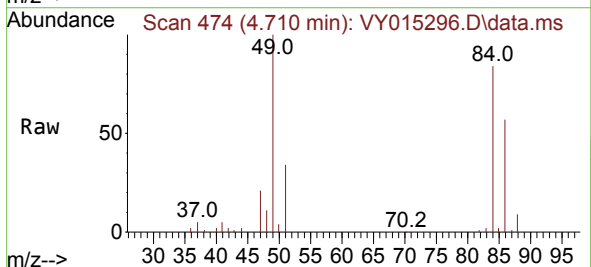


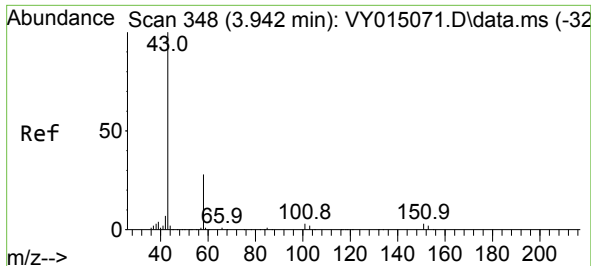
Tgt Ion: 59 Resp: 42
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#14
Allyl chloride
Concen: 1.032 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.238 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

Tgt Ion: 41 Resp: 1592
Ion Ratio Lower Upper
41 100
39 0.0 58.0 87.0#
76 0.0 27.4 41.2#

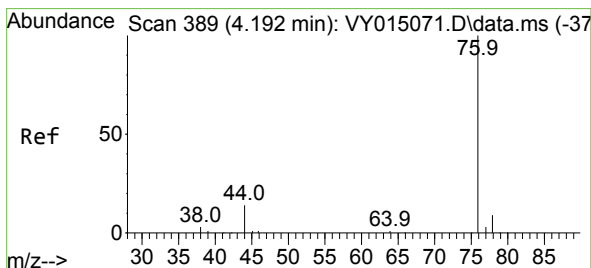
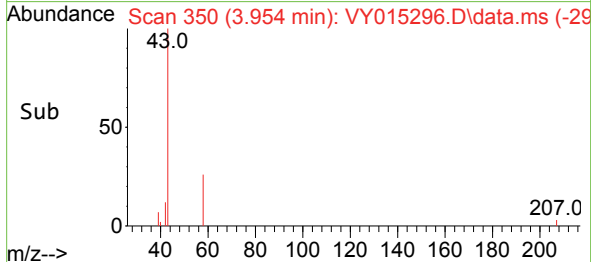
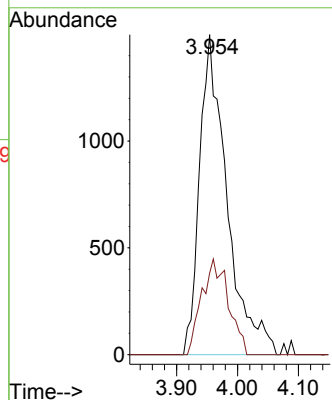
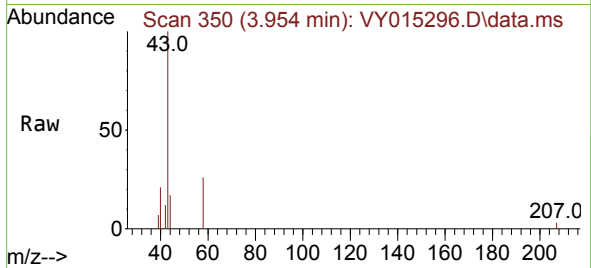




#16
Acetone
Concen: 9.534 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

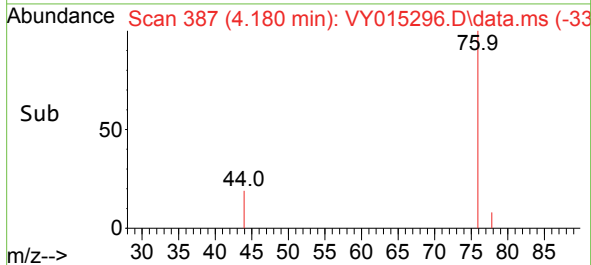
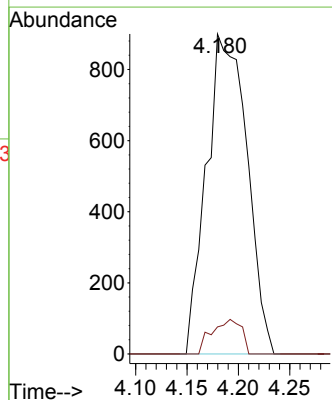
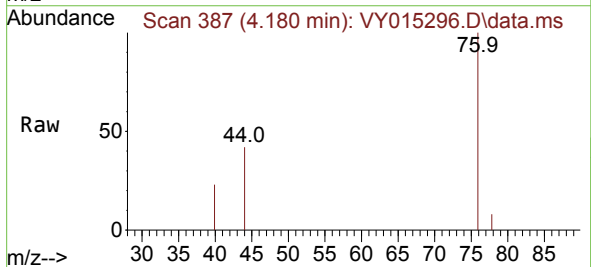
Instrument :
MSVOA_Y
ClientSampleId :

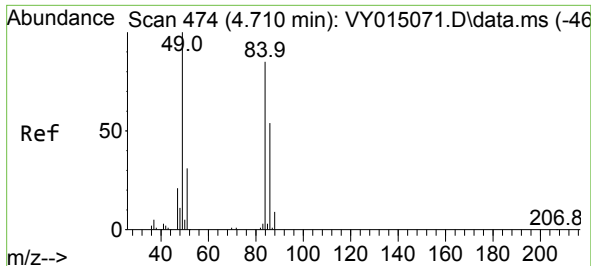
Tgt Ion: 43 Resp: 4677
Ion Ratio Lower Upper
43 100
58 25.5 22.7 34.1



#17
Carbon Disulfide
Concen: 1.609 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

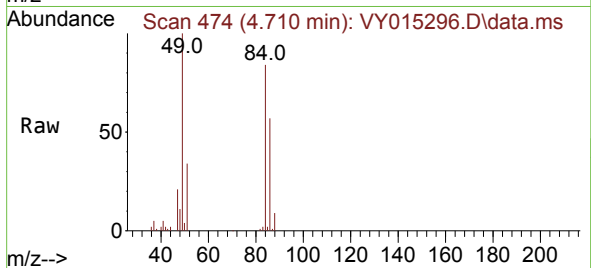
Tgt Ion: 76 Resp: 2465
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.4



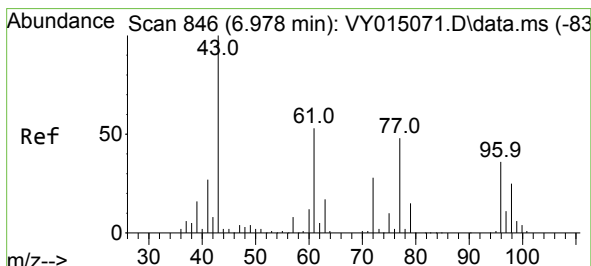
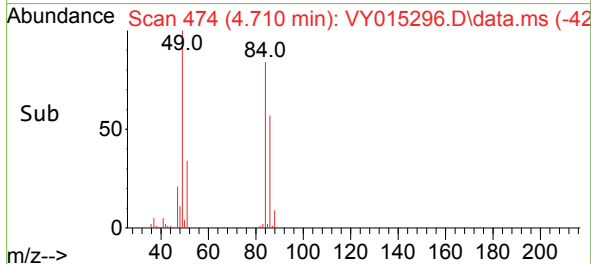
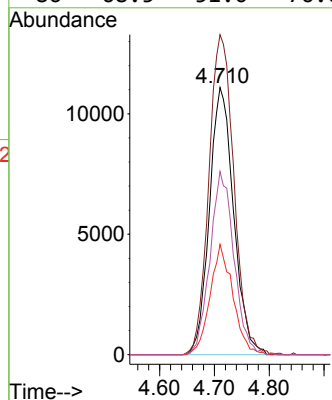


#20
Methylene Chloride
Concen: 27.006 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

Instrument :
MSVOA_Y
ClientSampleId :

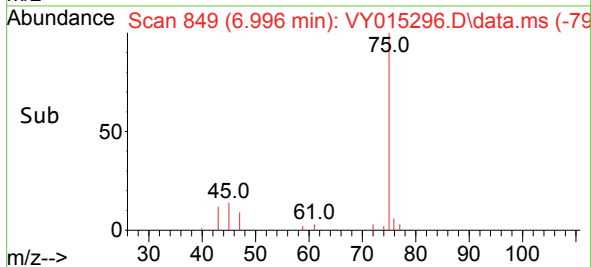
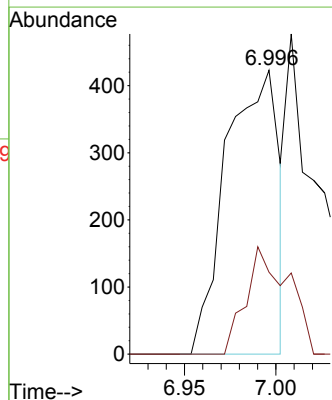
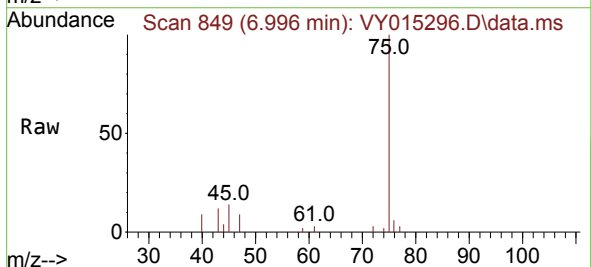


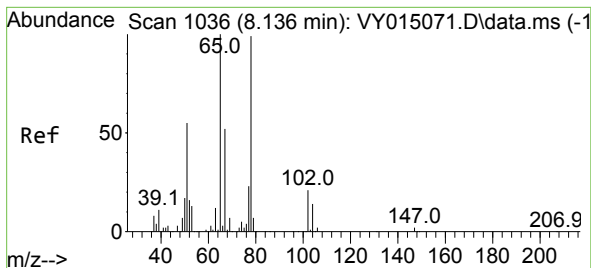
Tgt Ion:	84	Resp:	34101
Ion	Ratio	Lower	Upper
84	100		
49	119.7	106.9	160.3
51	41.3	33.2	49.8
86	68.5	51.0	76.6



#25
2-Butanone
Concen: 1.214 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

Tgt Ion:	43	Resp:	843
Ion	Ratio	Lower	Upper
43	100		
72	28.8	20.5	30.7





#33

1,2-Dichloroethane-d4

Concen: 55.640 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015296.D

Acq: 23 Aug 2023 21:17

Instrument :

MSVOA_Y

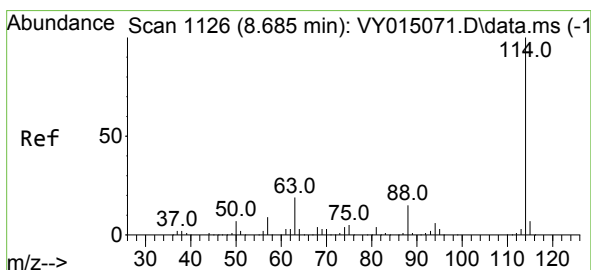
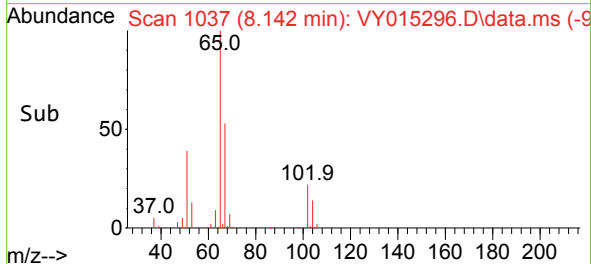
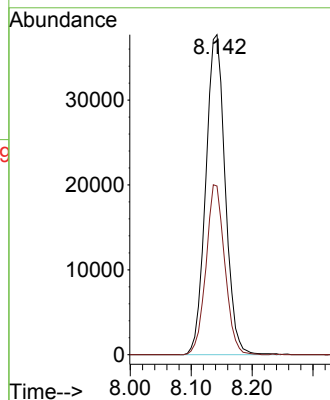
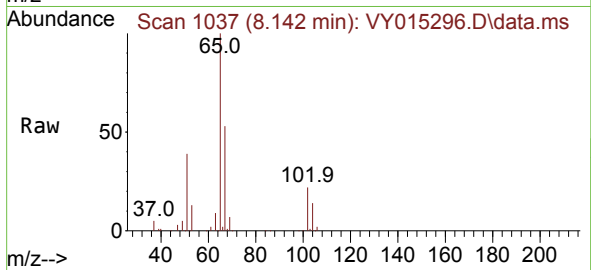
ClientSampleId :

Tgt Ion: 65 Resp: 83551

Ion Ratio Lower Upper

65 100

67 51.4 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: VY015296.D

Acq: 23 Aug 2023 21:17

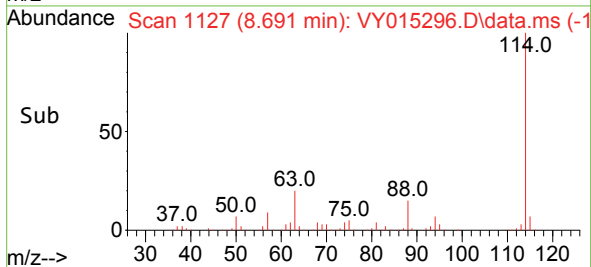
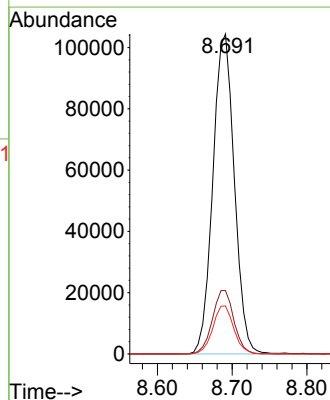
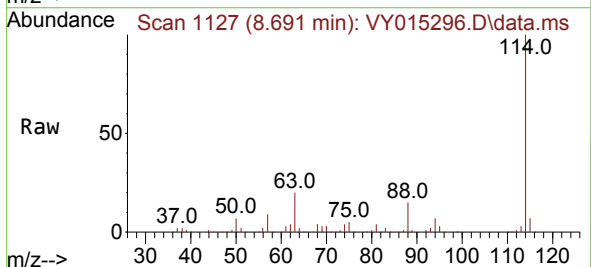
Tgt Ion: 114 Resp: 208248

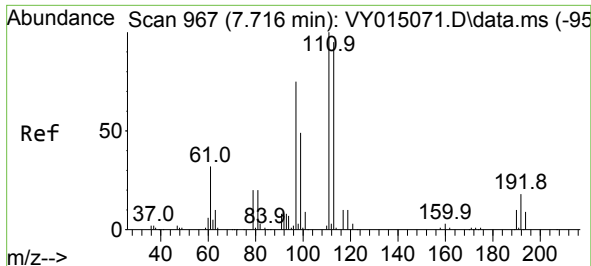
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

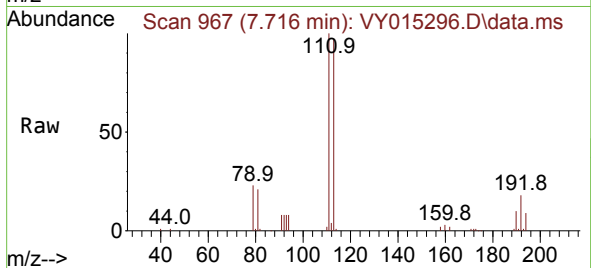
88 15.0 0.0 30.6





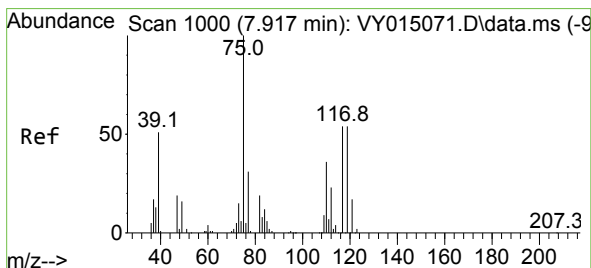
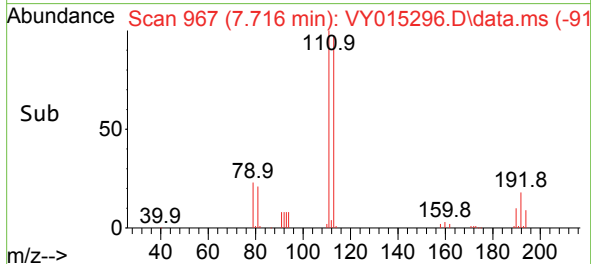
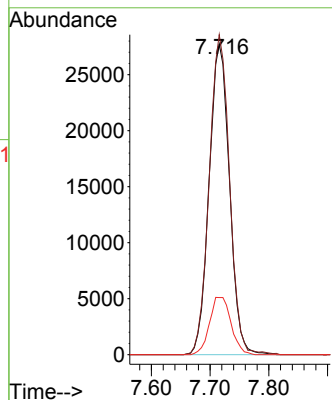
#35
 Dibromofluoromethane
 Concen: 49.825 ug/l
 RT: 7.716 min Scan# 911
 Delta R.T. -0.000 min
 Lab File: VY015296.D
 Acq: 23 Aug 2023 21:17

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:113 Resp: 66752

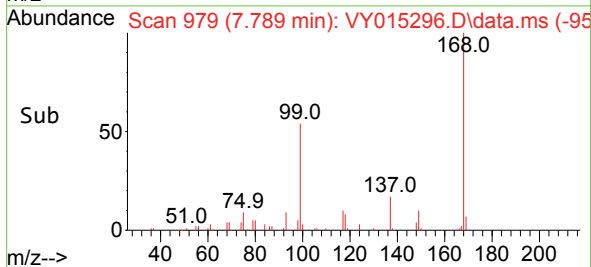
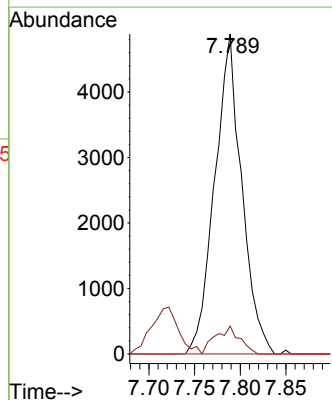
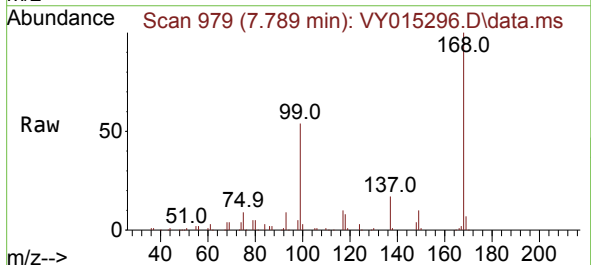
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	19.5	16.9	25.3

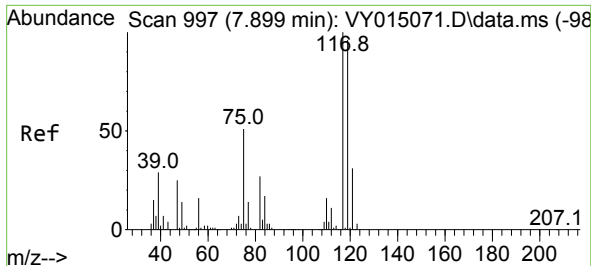


#36
 1,1-Dichloropropene
 Concen: 6.768 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY015296.D
 Acq: 23 Aug 2023 21:17

Tgt Ion: 75 Resp: 10032

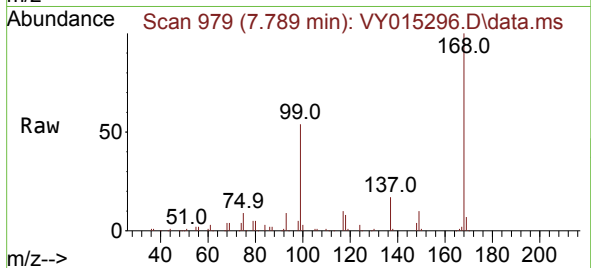
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.8	53.5#
77	0.0	24.4	36.6#



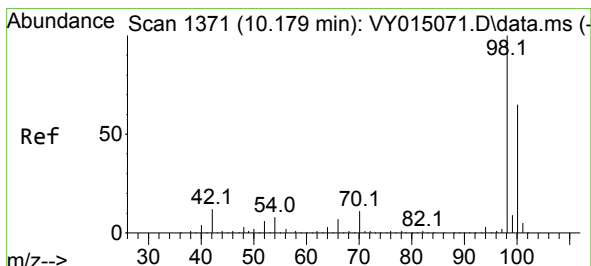
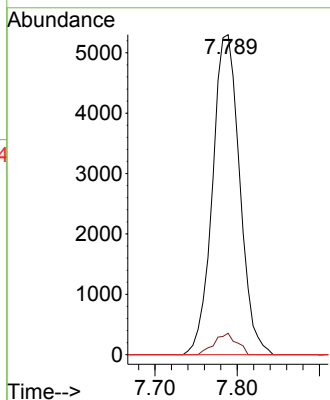
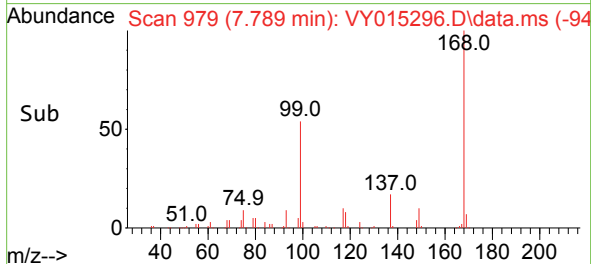


#38
Carbon Tetrachloride
Concen: 6.933 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

Instrument :
MSVOA_Y
ClientSampleId :

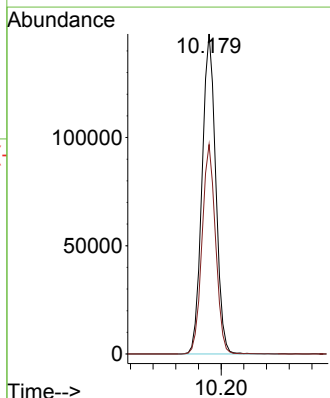
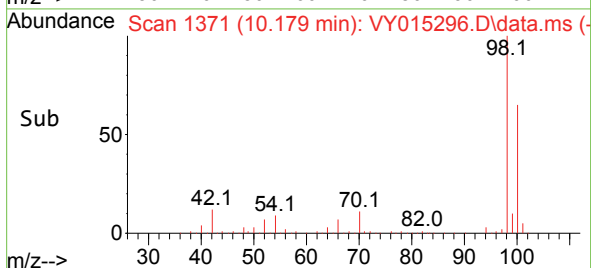
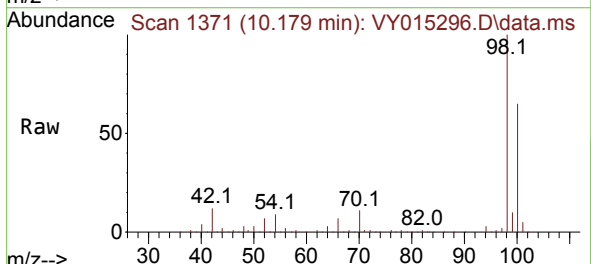


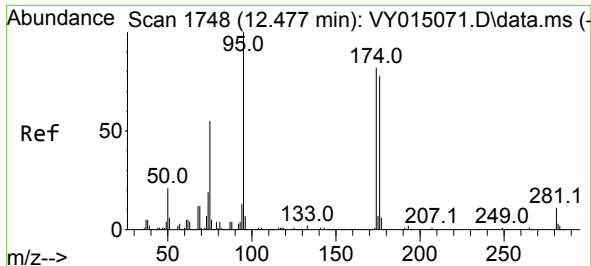
Tgt Ion:117 Resp: 12161
Ion Ratio Lower Upper
117 100
119 6.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.678 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

Tgt Ion: 98 Resp: 247757
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1

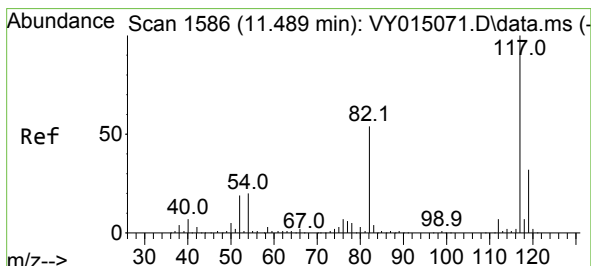
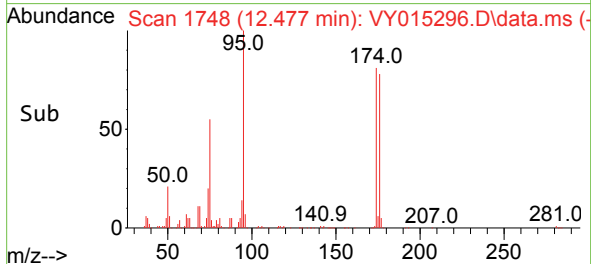
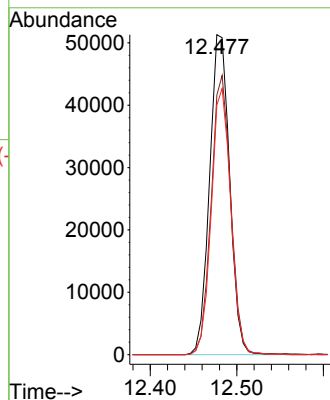
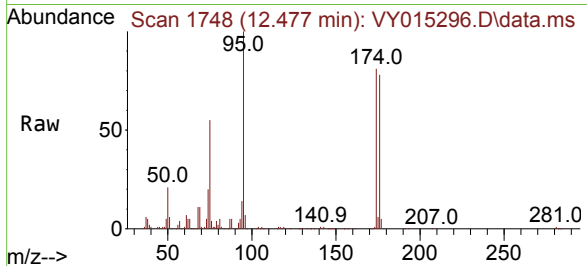




#62
4-Bromofluorobenzene
Concen: 45.327 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

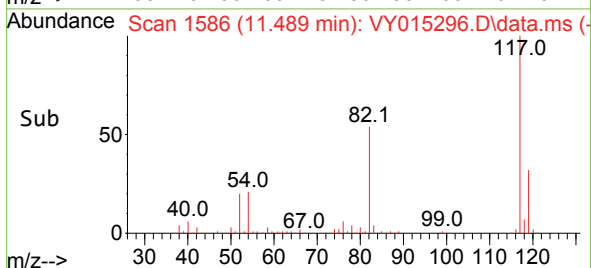
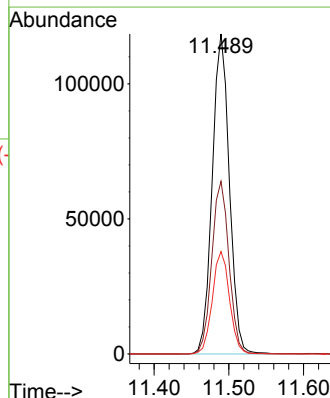
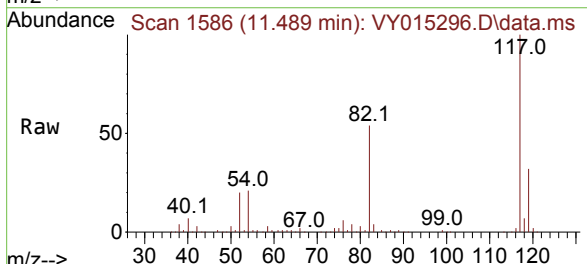
Instrument :
MSVOA_Y
ClientSampleId :

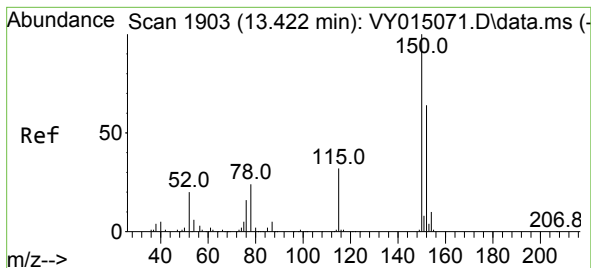
Tgt Ion:	95	Resp:	82566
Ion Ratio	Lower	Upper	
95	100		
174	85.2	0.0	178.2
176	81.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015296.D
Acq: 23 Aug 2023 21:17

Tgt Ion:	117	Resp:	188969
Ion Ratio	Lower	Upper	
117	100		
82	54.0	43.4	65.0
119	32.0	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015296.D

Acq: 23 Aug 2023 21:17

Instrument :

MSVOA_Y

ClientSampleId :

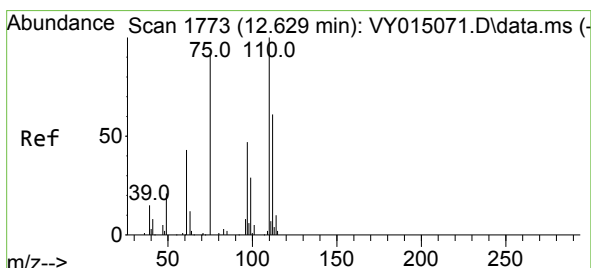
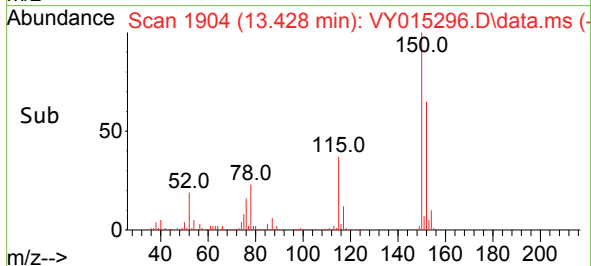
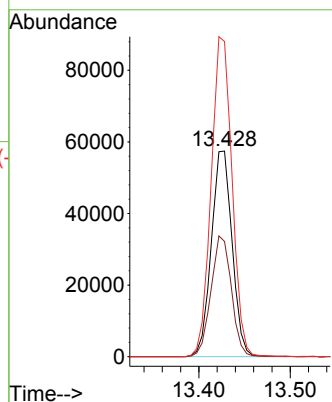
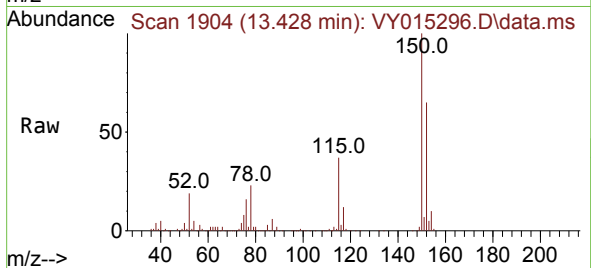
Tgt Ion:152 Resp: 90924

Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 156.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.072 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015296.D

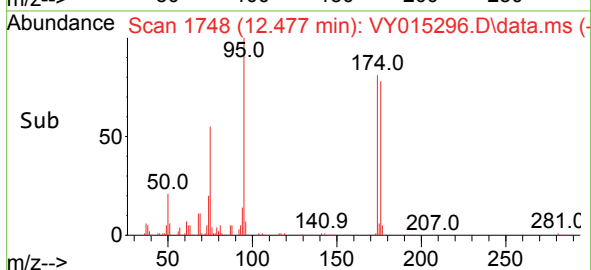
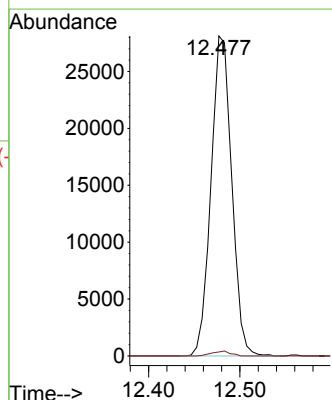
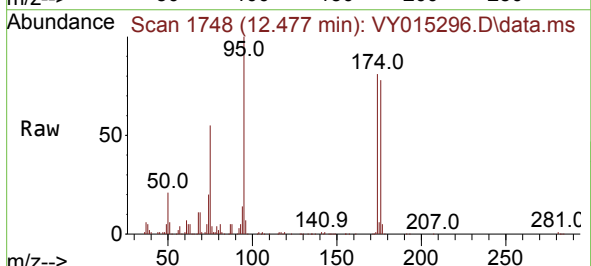
Acq: 23 Aug 2023 21:17

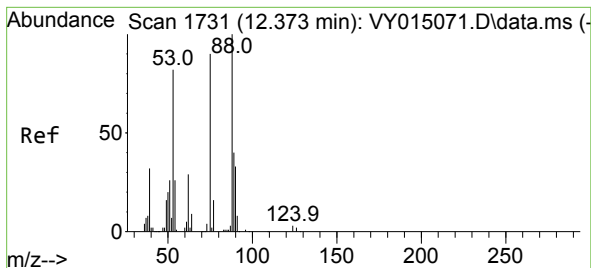
Tgt Ion: 75 Resp: 44266

Ion Ratio Lower Upper

75 100

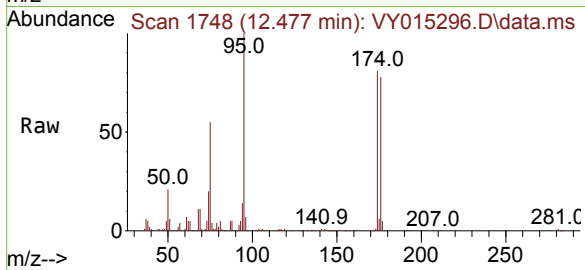
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.018 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015296.D
 Acq: 23 Aug 2023 21:17

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 44266
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

