

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050323\
 Data File : VY013584.D
 Acq On : 03 May 2023 16:11
 Operator : KP/MD
 Sample : 02573-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-240

Quant Time: May 04 01:21:08 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)

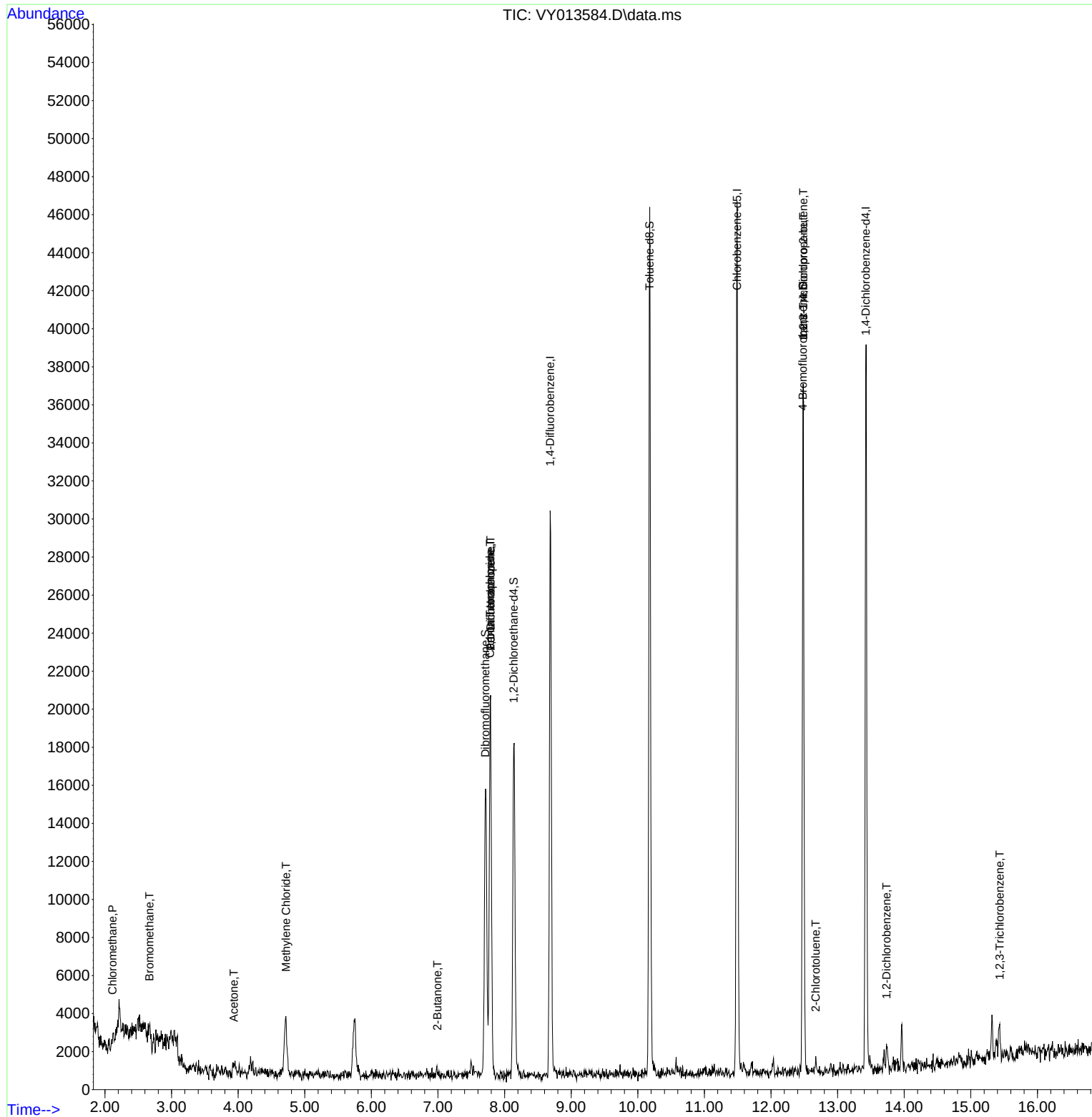
Internal Standards						
1) Pentafluorobenzene	7.789	168	15107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	25418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	25638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	10340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	14808	89.417	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 178.840%#			
35) Dibromofluoromethane	7.710	113	10591	66.249	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 132.500%			
50) Toluene-d8	10.179	98	31320	55.072	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.140%			
62) 4-Bromofluorobenzene	12.477	95	9456	49.320	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	361	1.875	ug/l #	86
5) Bromomethane	2.668	94	175	1.146	ug/l #	48
13) Acrolein	3.753	56	26	Below Cal	#	2
16) Acetone	3.936	43	1016	15.579	ug/l #	86
20) Methylene Chloride	4.716	84	1862	1.222	ug/l	93
25) 2-Butanone	6.990	43	98	1.185	ug/l #	47
36) 1,1-Dichloropropene	7.789	75	1373	5.175	ug/l #	50
38) Carbon Tetrachloride	7.783	117	1647	5.923	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	4926	35.325	ug/l #	100
79) 2-Chlorotoluene	12.672	91	568	1.056	ug/l #	39
81) trans-1,4-Dichloro-2-b...	12.483	75	4926	72.260	ug/l #	12
91) 1,2-Dichlorobenzene	13.733	146	637	1.954	ug/l	94
96) 1,2,3-Trichlorobenzene	15.434	180	792	4.572	ug/l	88

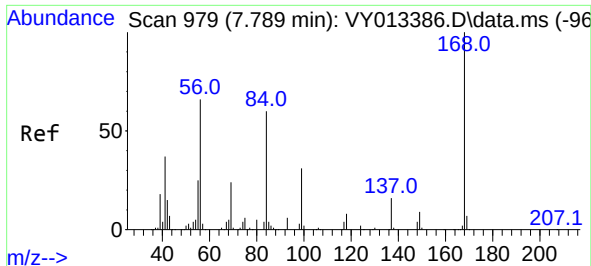
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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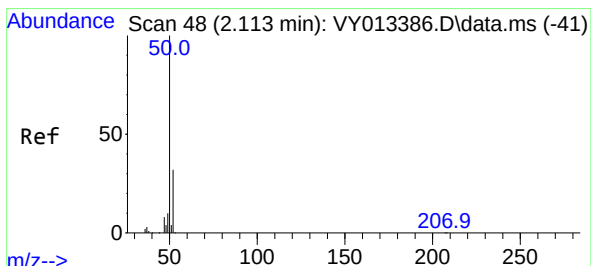
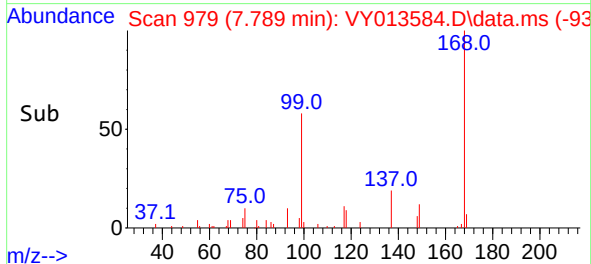
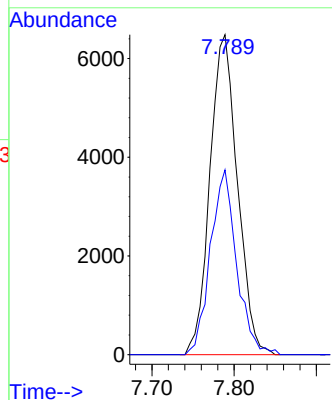
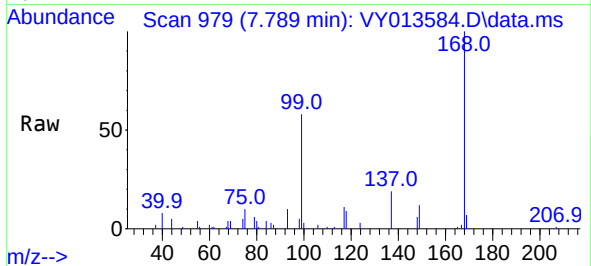




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

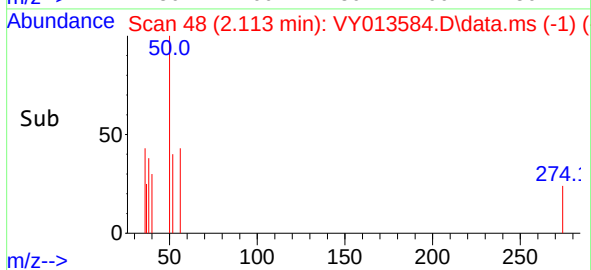
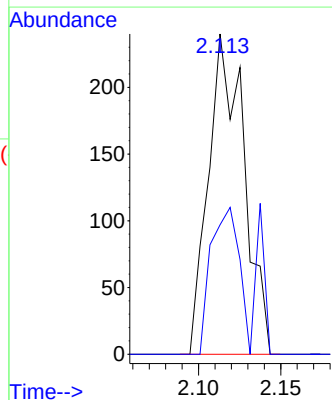
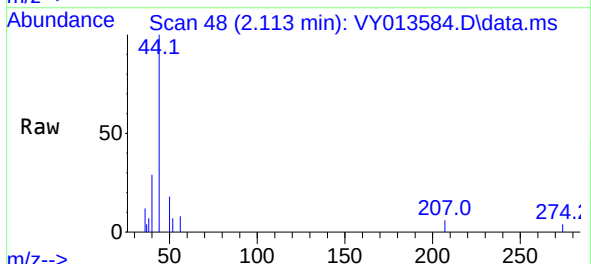
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

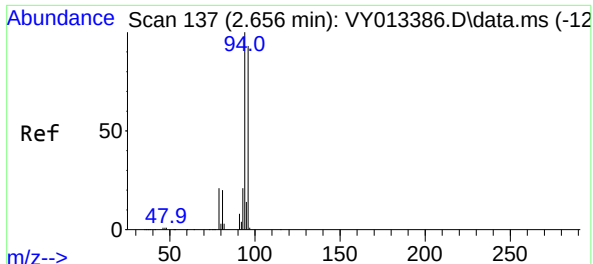
Tgt Ion:168 Resp: 15107
Ion Ratio Lower Upper
168 100
99 57.8 41.8 62.6



#3
Chloromethane
Concen: 1.875 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 40.4 25.9 38.9

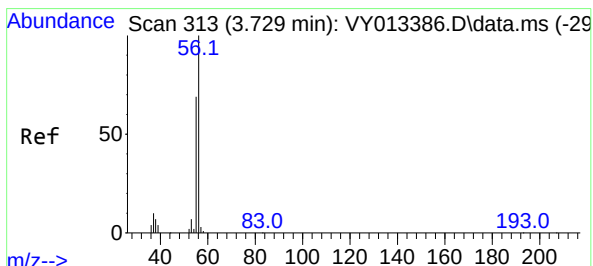
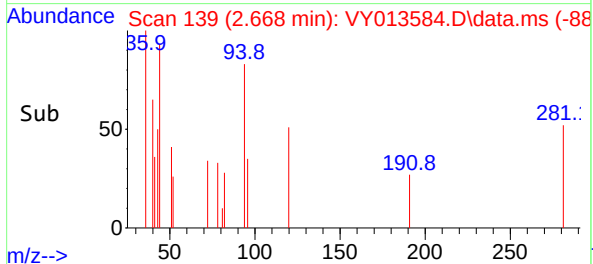
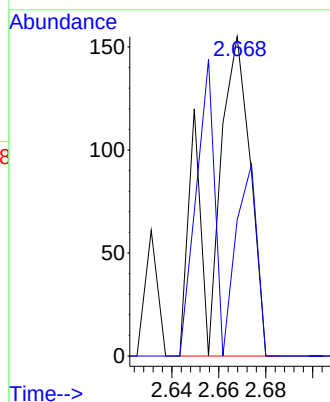
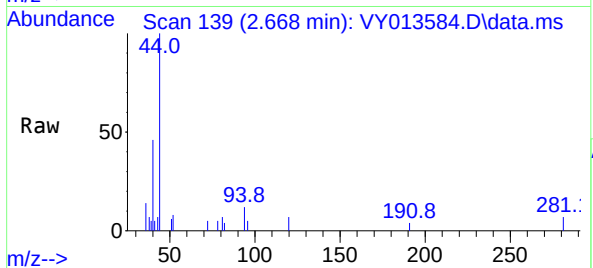




#5
Bromomethane
Concen: 1.146 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

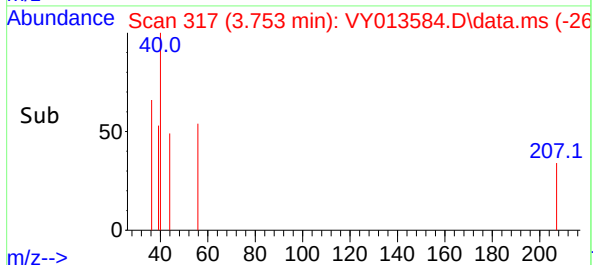
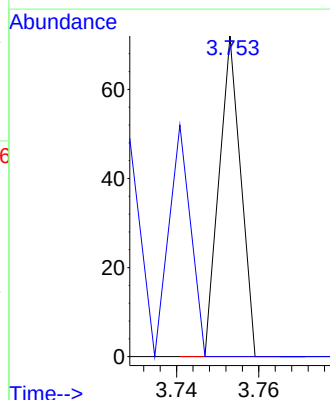
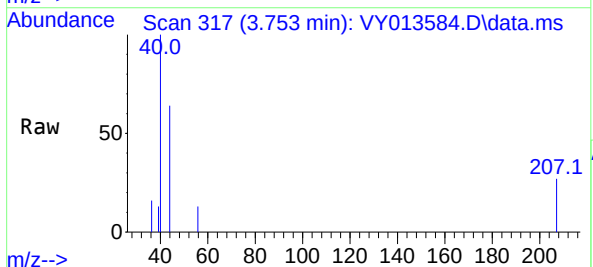
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

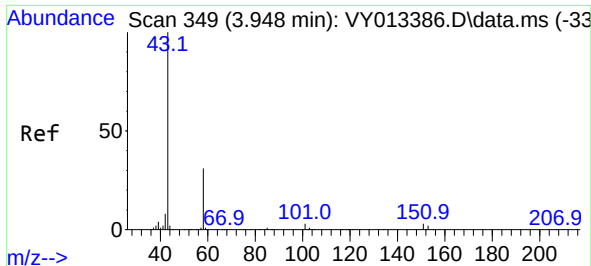
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 42.6 74.2 111.2#



#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 317
Delta R.T. 0.024 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 146.2 54.1 81.1#

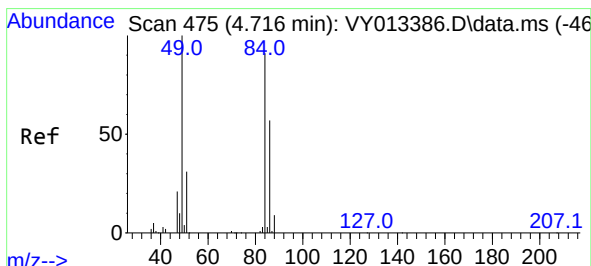
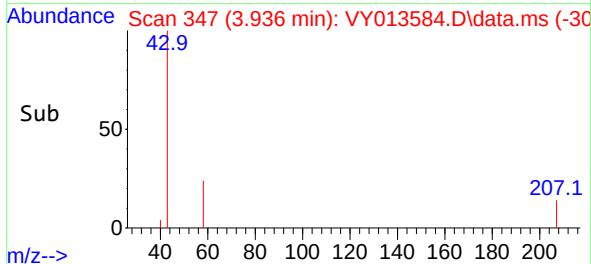
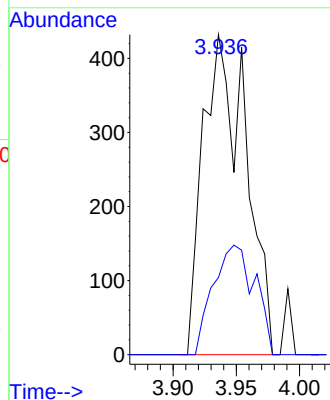
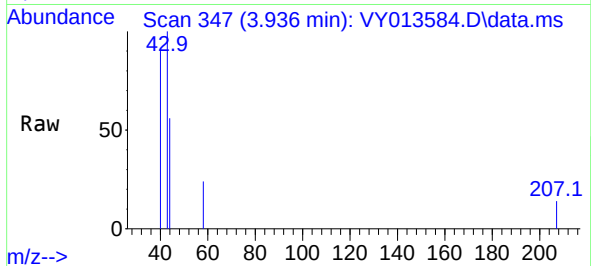




#16
Acetone
Concen: 15.579 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

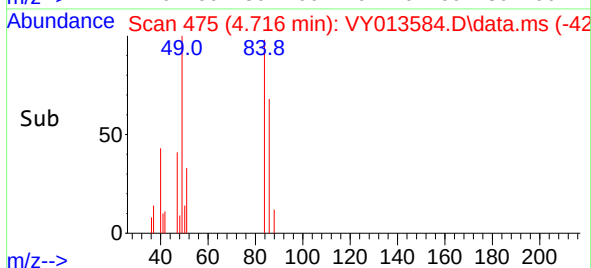
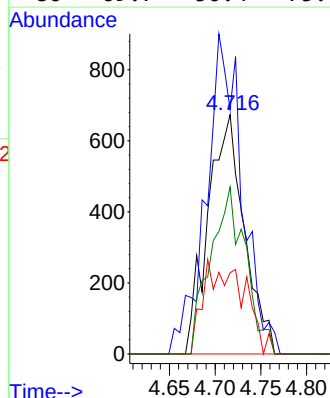
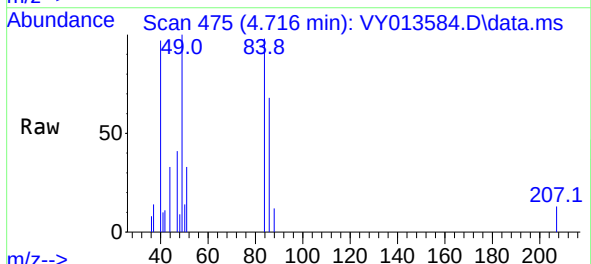
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

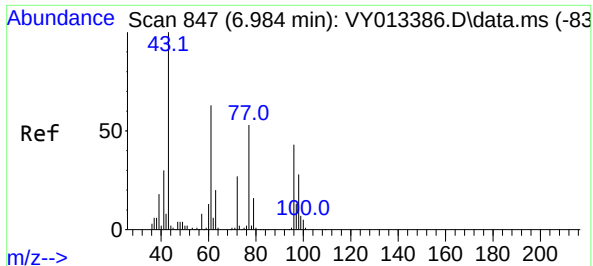
Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 24.1 25.4 38.0#



#20
Methylene Chloride
Concen: 1.222 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion: 84 Resp: 1862
Ion Ratio Lower Upper
84 100
49 102.1 88.0 132.0
51 34.0 27.4 41.0
86 69.7 50.4 75.6

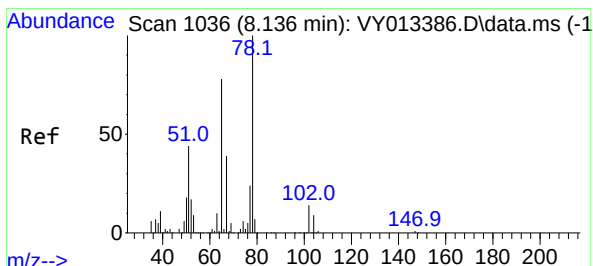
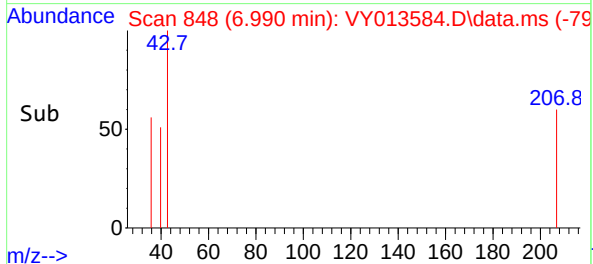
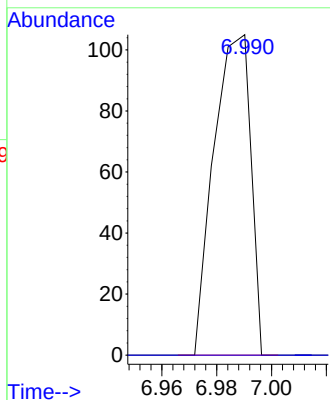
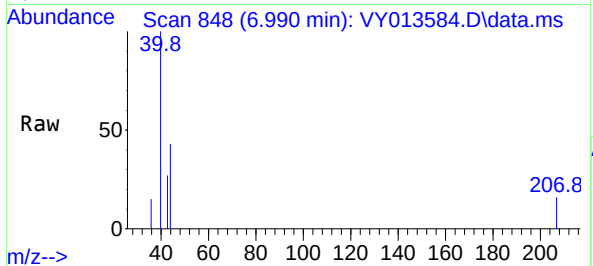




#25
2-Butanone
Concen: 1.185 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

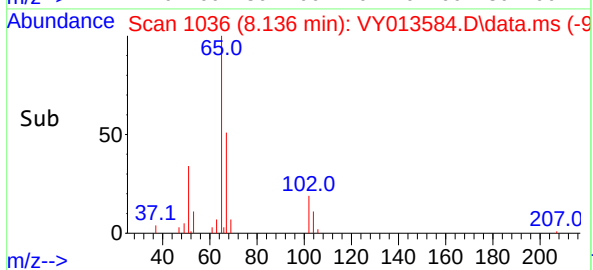
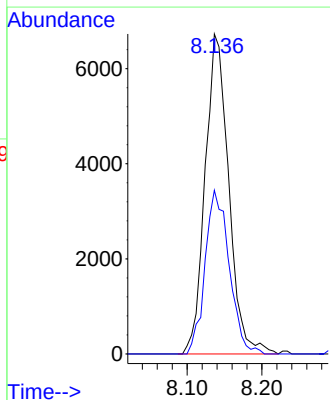
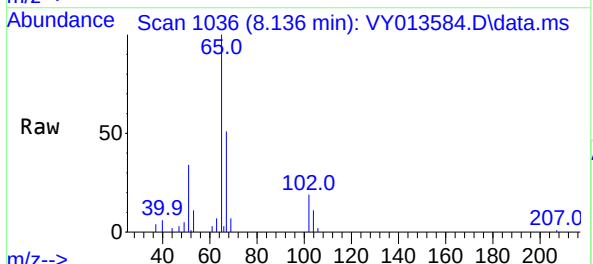
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

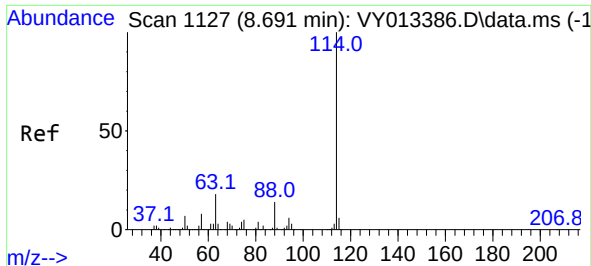
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
72 0.0 21.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 89.417 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion: 65 Resp: 14808
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013584.D

Acq: 03 May 2023 16:11

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-240

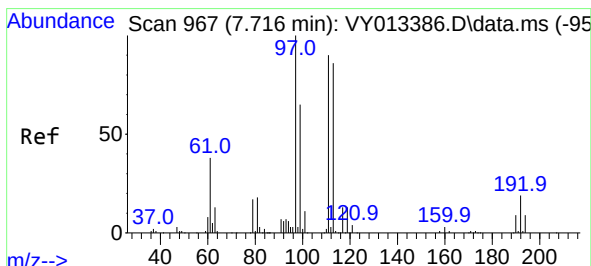
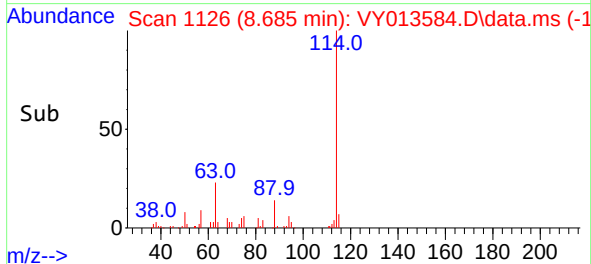
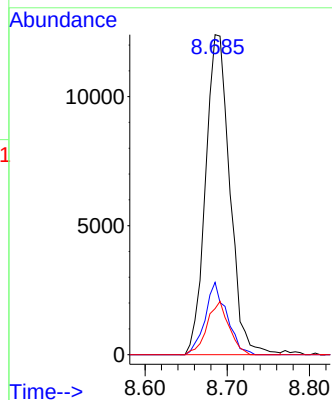
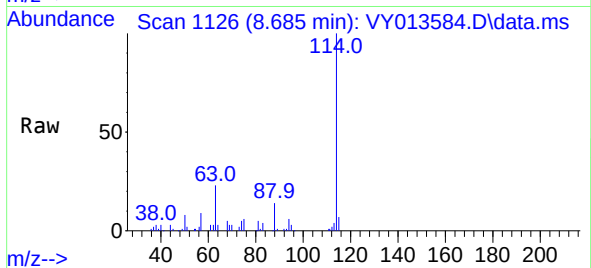
Tgt Ion:114 Resp: 25418

Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.6

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 66.249 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY013584.D

Acq: 03 May 2023 16:11

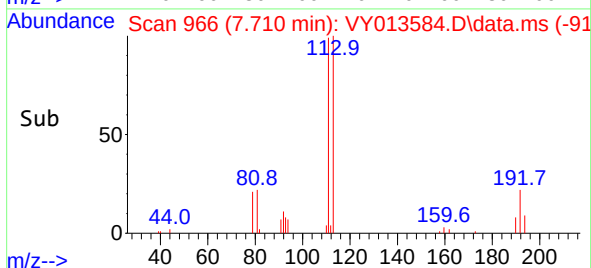
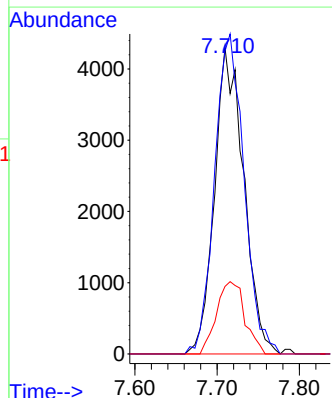
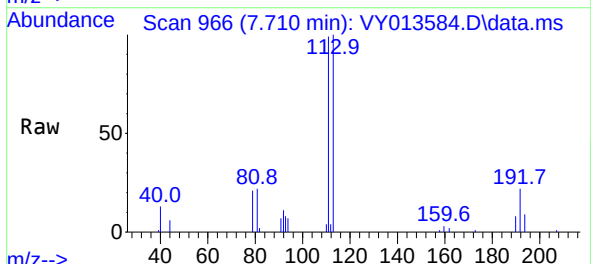
Tgt Ion:113 Resp: 10591

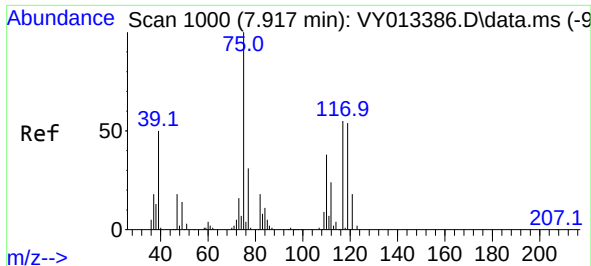
Ion Ratio Lower Upper

113 100

111 105.2 82.2 123.2

192 22.8 16.7 25.1

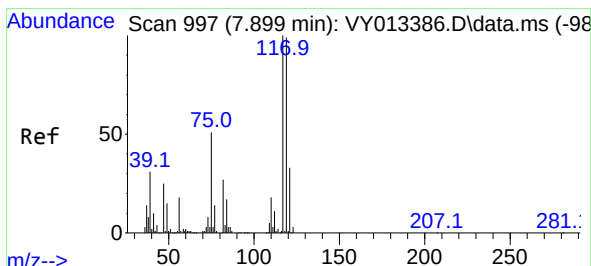
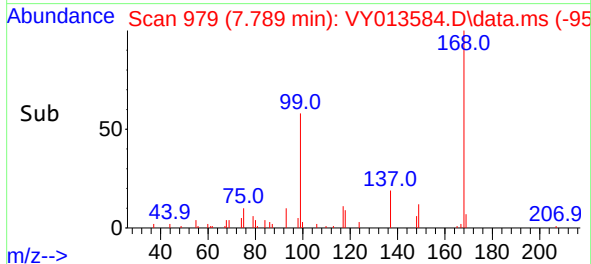
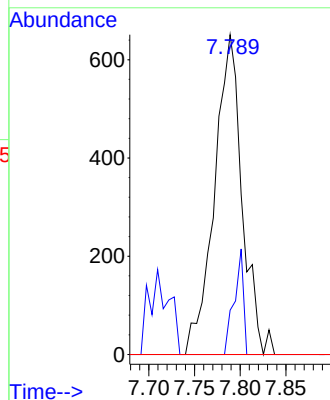
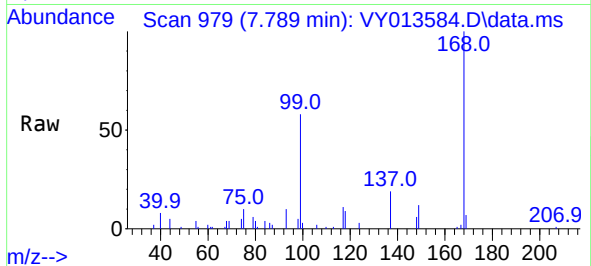




#36
1,1-Dichloropropene
Concen: 5.175 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

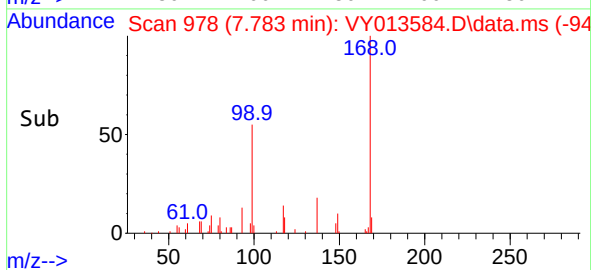
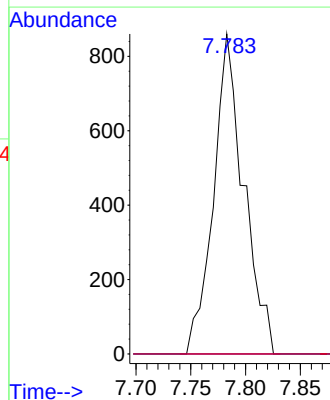
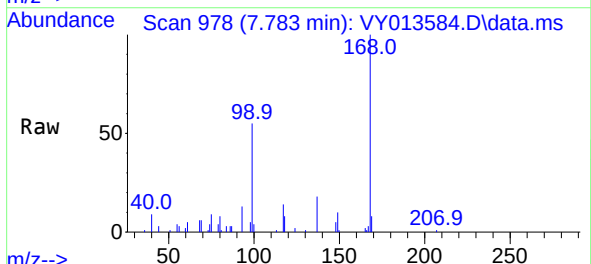
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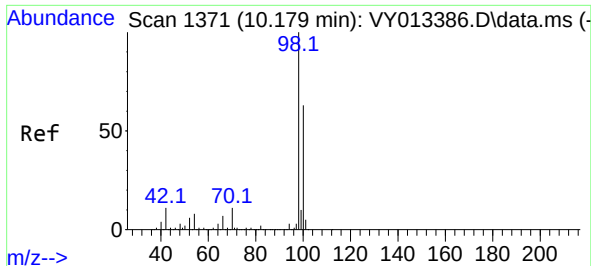
Tgt Ion: 75 Resp: 1373
Ion Ratio Lower Upper
75 100
110 11.0 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.923 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion: 117 Resp: 1647
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#

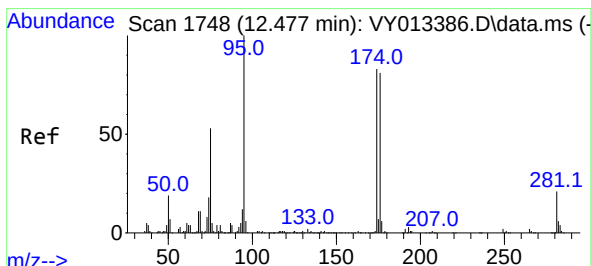
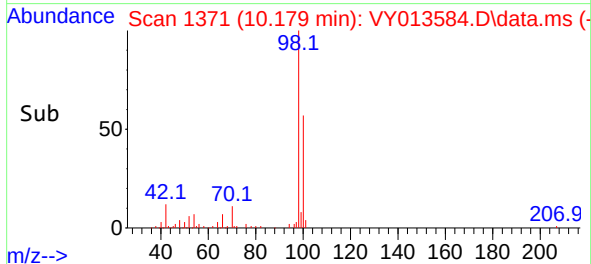
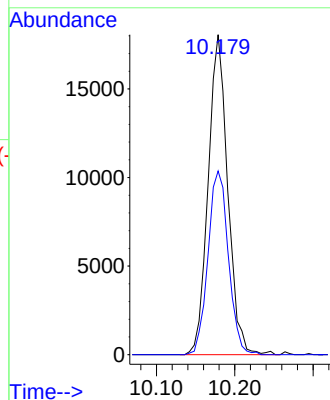
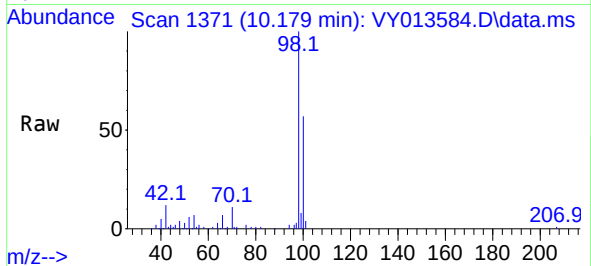




#50
Toluene-d8
Concen: 55.072 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

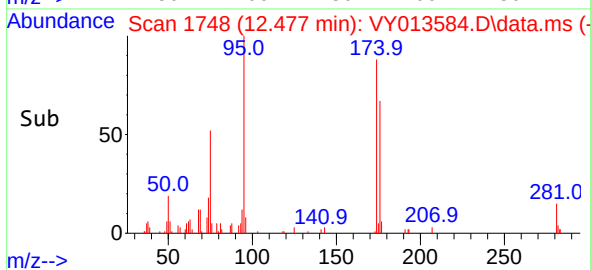
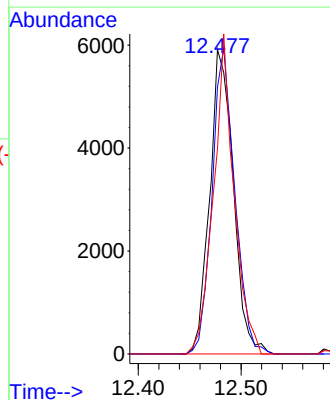
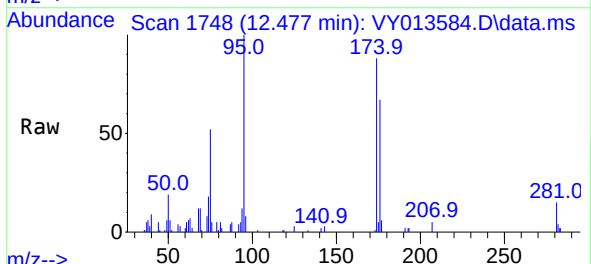
Instrument :
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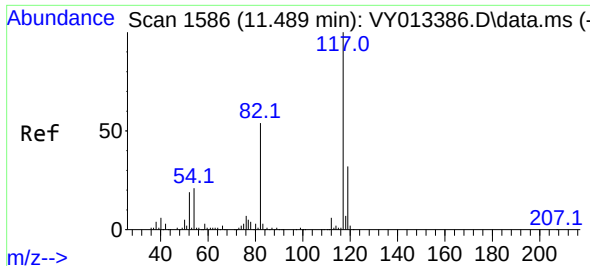
Tgt Ion: 98 Resp: 31320
Ion Ratio Lower Upper
98 100
100 59.8 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 49.320 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion: 95 Resp: 9456
Ion Ratio Lower Upper
95 100
174 96.6 0.0 182.0
176 91.2 0.0 175.4

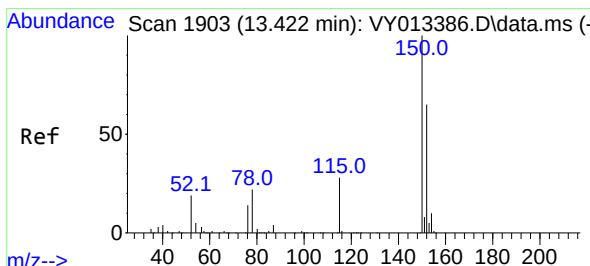
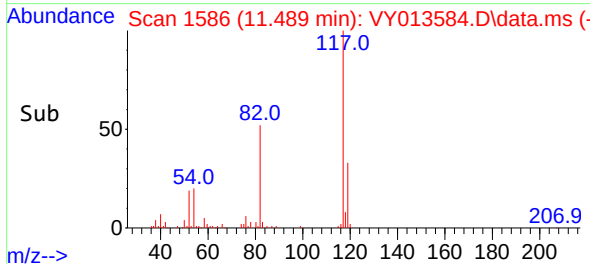
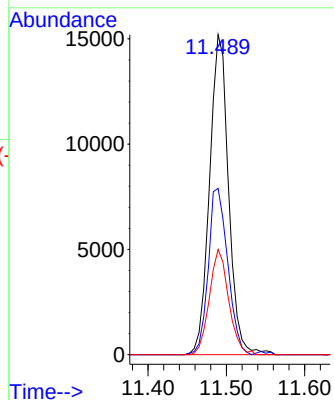
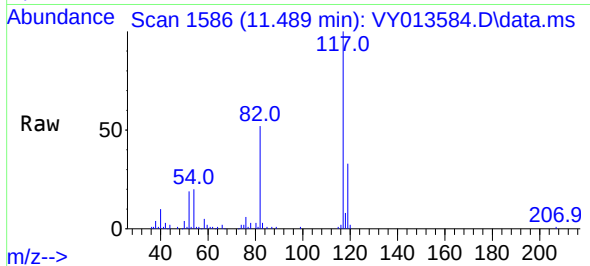




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

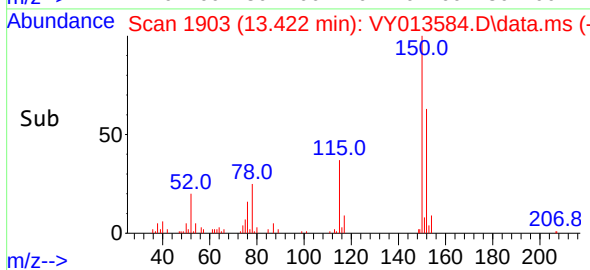
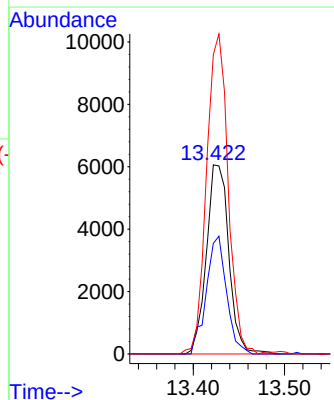
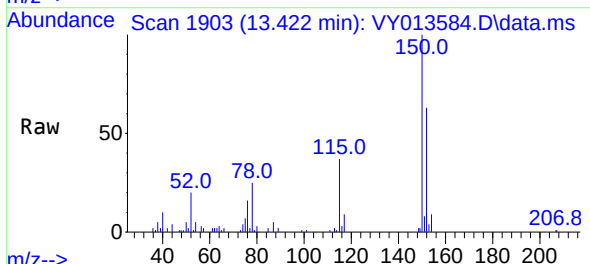
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

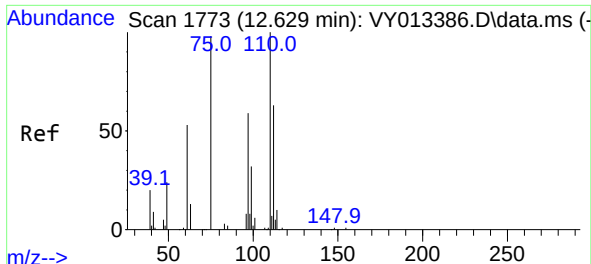
Tgt Ion:	117	Resp:	25638
Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.0	64.6
119	32.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion:	152	Resp:	10340
Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.1	84.2
150	162.4	0.0	352.0

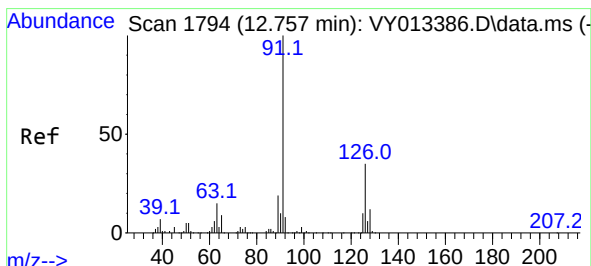
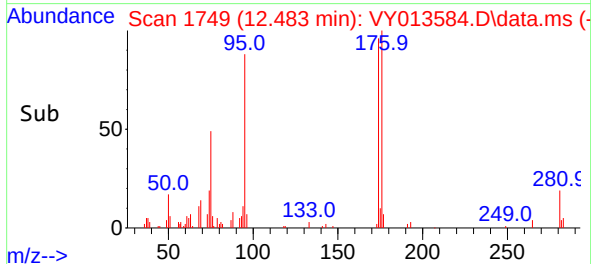
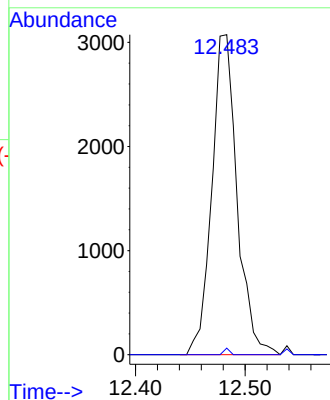
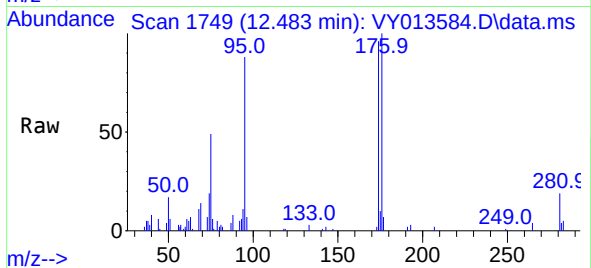




#76
1,2,3-Trichloropropane
Concen: 35.325 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

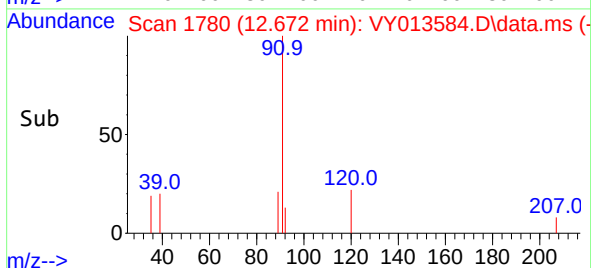
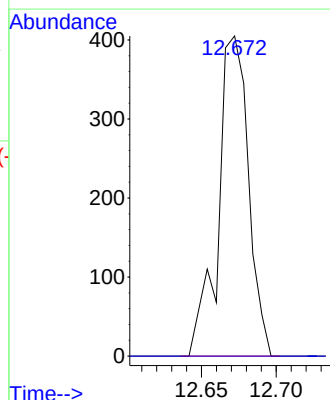
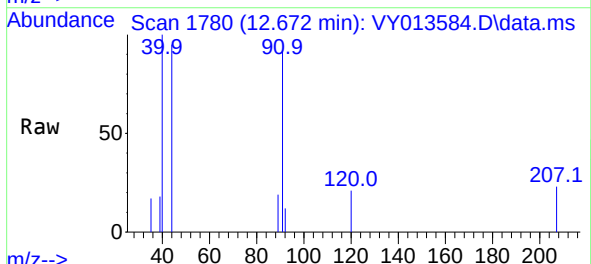
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

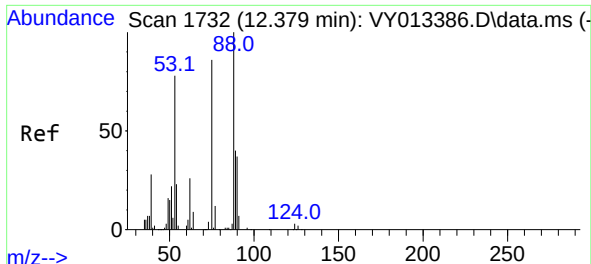
Tgt Ion: 75 Resp: 4926
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.056 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.085 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion: 91 Resp: 568
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.4#

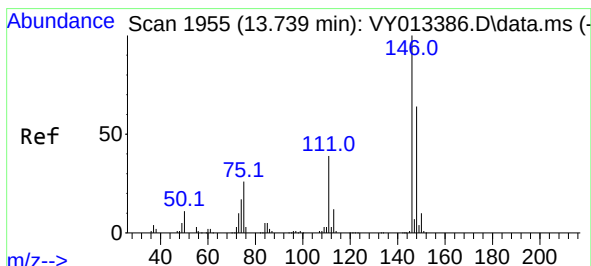
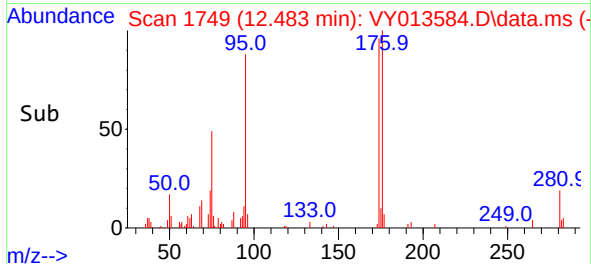
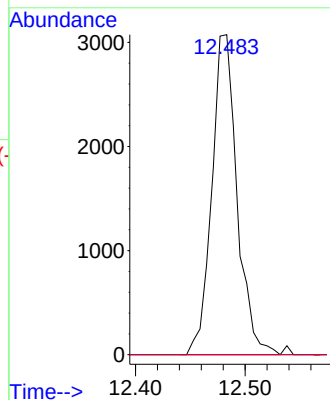
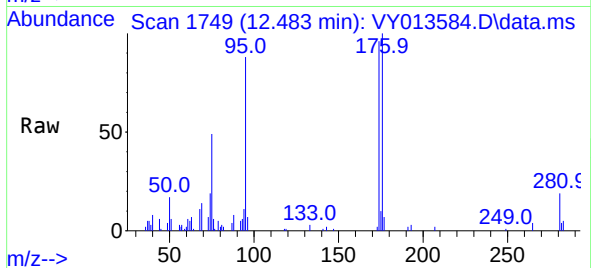




#81
trans-1,4-Dichloro-2-butene
Concen: 72.260 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

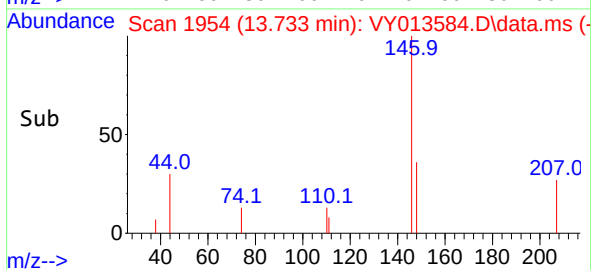
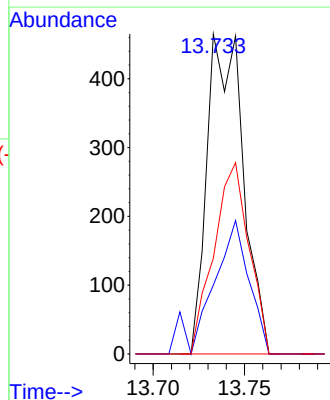
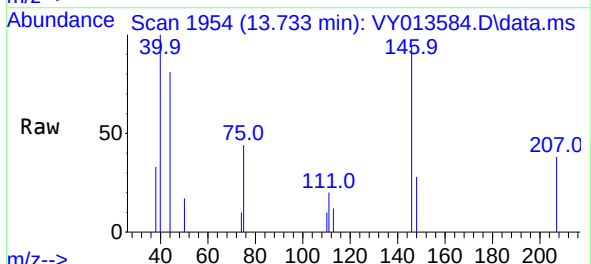
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240

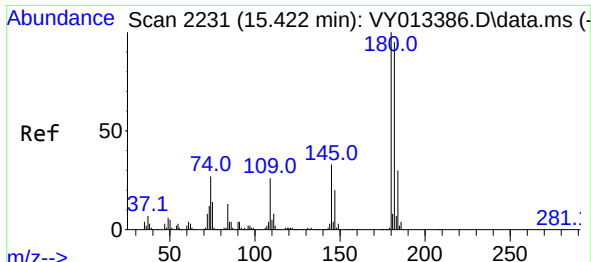
Tgt Ion: 75 Resp: 4926
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#



#91
1,2-Dichlorobenzene
Concen: 1.954 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VY013584.D
Acq: 03 May 2023 16:11

Tgt Ion:146 Resp: 637
Ion Ratio Lower Upper
146 100
111 42.5 19.8 59.4
148 58.4 31.8 95.4





#96
 1,2,3-Trichlorobenzene
 Concen: 4.572 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY013584.D
 Acq: 03 May 2023 16:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-240

Tgt Ion:	180	Resp:	792
Ion	Ratio	Lower	Upper
180	100		
182	85.6	47.1	141.3
145	20.8	15.9	47.7

