

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013597.D
 Acq On : 04 May 2023 14:05
 Operator : KP/MD
 Sample : 02573-02RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-240RE

Quant Time: May 05 00:59:18 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)

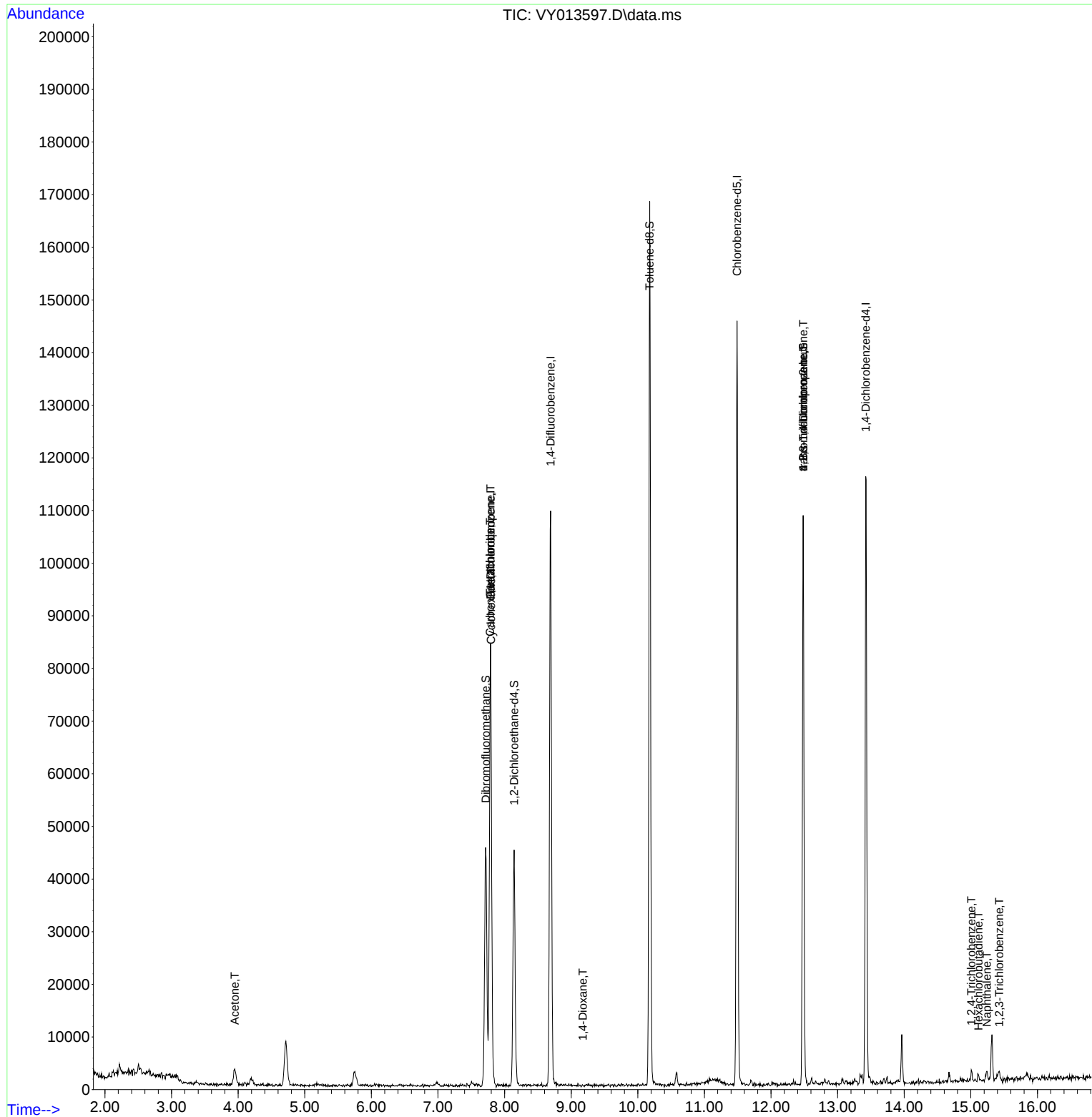
Internal Standards						
1) Pentafluorobenzene	7.789	168	63941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	94050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	80267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	30223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	36873	52.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.220%			
35) Dibromofluoromethane	7.716	113	31537	53.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.620%			
50) Toluene-d8	10.179	98	107334	51.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.483	95	28613	40.333	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.660%			
Target Compounds						
16) Acetone	3.948	43	5664	20.519	ug/l	95
20) Methylene Chloride	4.722	84	5830	Below Cal	#	81
31) Cyclohexane	7.795	56	1520	1.211	ug/l #	53
36) 1,1-Dichloropropene	7.789	75	4597	4.683	ug/l #	50
38) Carbon Tetrachloride	7.783	117	5920	5.753	ug/l #	15
49) 1,4-Dioxane	9.173	88	18	2.913	ug/l #	25
76) 1,2,3-Trichloropropane	12.483	75	15231	37.368	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	15231	76.439	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.007	180	808	1.422	ug/l	87
94) Hexachlorobutadiene	15.117	225	351	1.062	ug/l #	35
95) Naphthalene	15.239	128	1863	1.511	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.428	180	819	1.617	ug/l	89

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

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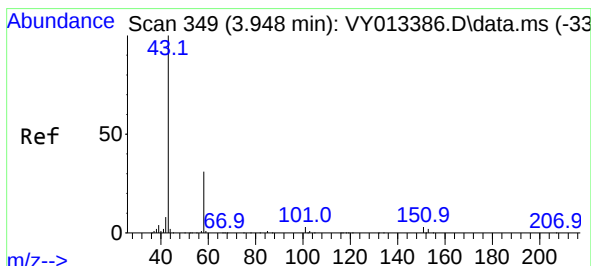
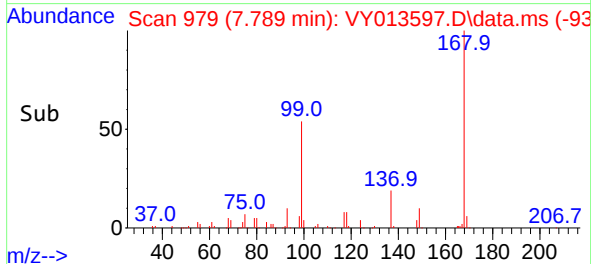
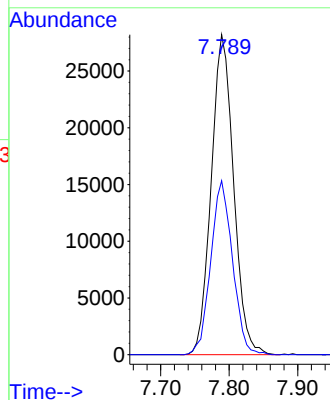
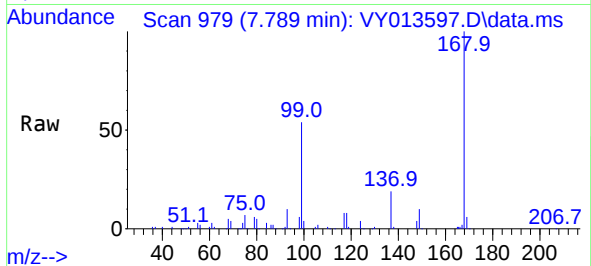




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

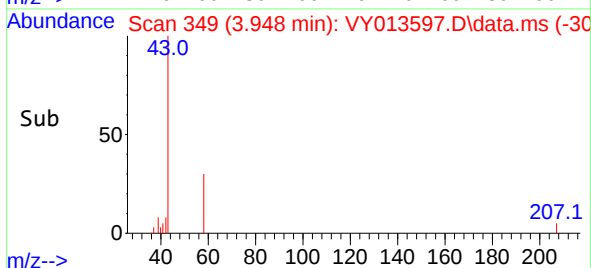
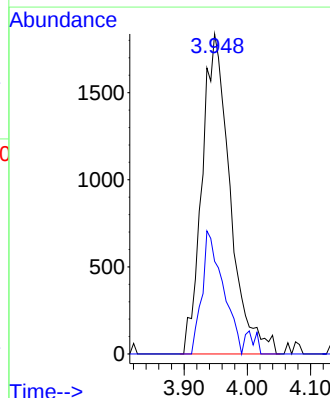
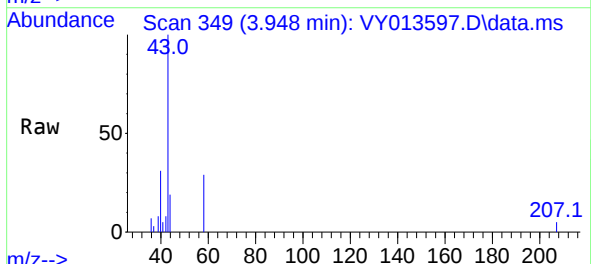
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240RE

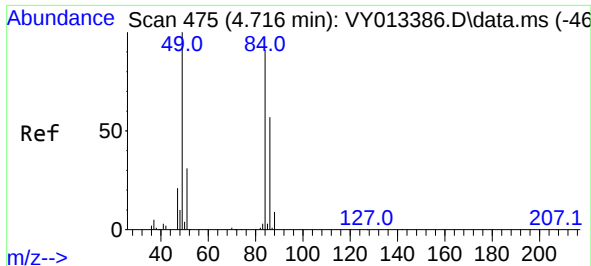
Tgt Ion:168 Resp: 63941
Ion Ratio Lower Upper
168 100
99 54.3 41.8 62.6



#16
Acetone
Concen: 20.519 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion: 43 Resp: 5664
Ion Ratio Lower Upper
43 100
58 29.0 25.4 38.0

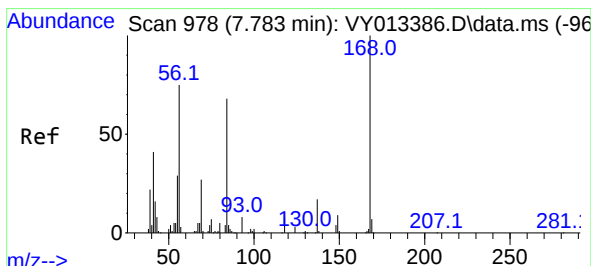
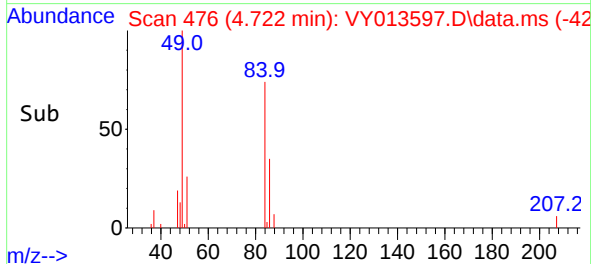
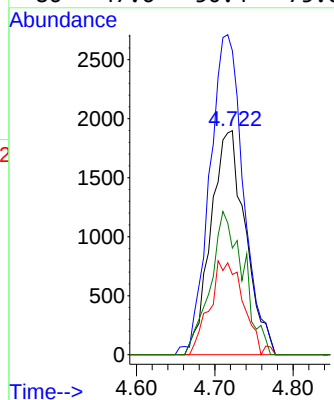
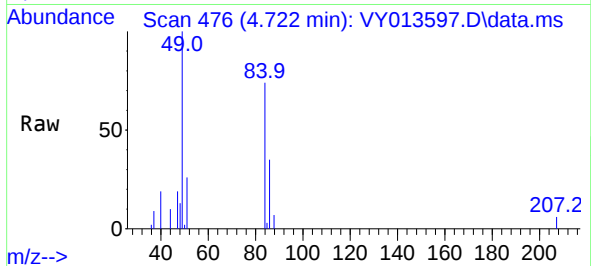




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

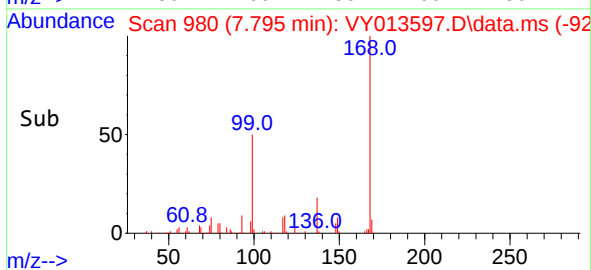
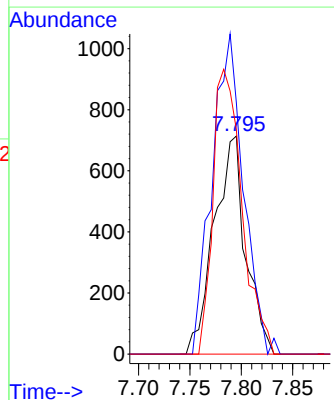
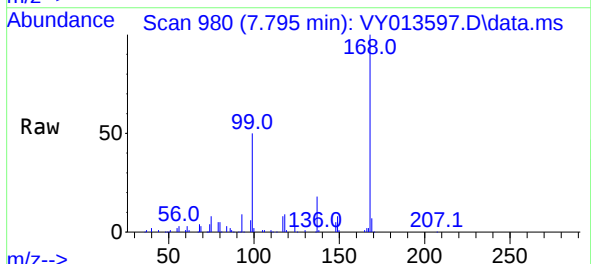
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240RE

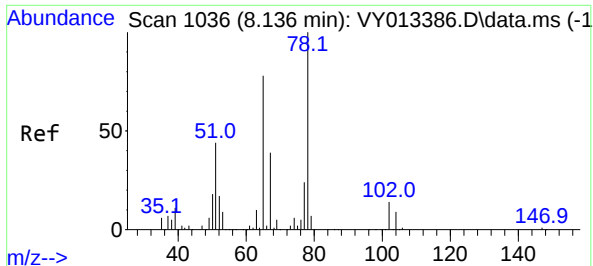
Tgt Ion: 84 Resp: 5830
Ion Ratio Lower Upper
84 100
49 135.8 88.0 132.0#
51 35.8 27.4 41.0
86 47.6 50.4 75.6#



#31
Cyclohexane
Concen: 1.211 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion: 56 Resp: 1520
Ion Ratio Lower Upper
56 100
69 115.3 29.2 43.8#
84 102.9 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 52.605 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY013597.D

Acq: 04 May 2023 14:05

Instrument :

MSVOA_Y

ClientSampleId :

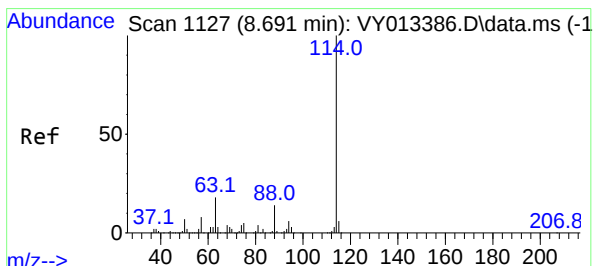
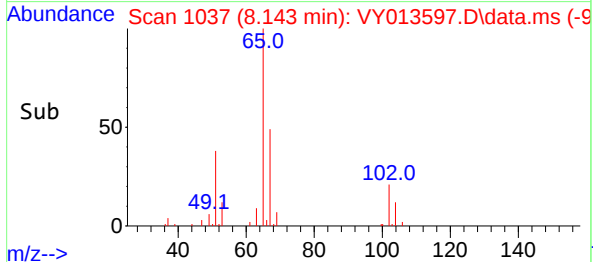
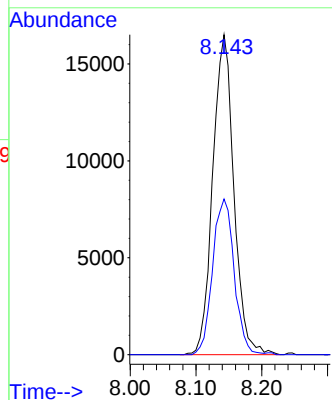
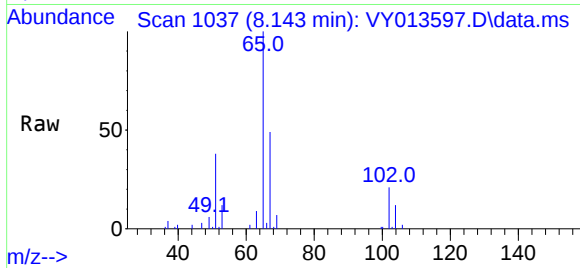
VNJ-240RE

Tgt Ion: 65 Resp: 36873

Ion Ratio Lower Upper

65 100

67 49.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013597.D

Acq: 04 May 2023 14:05

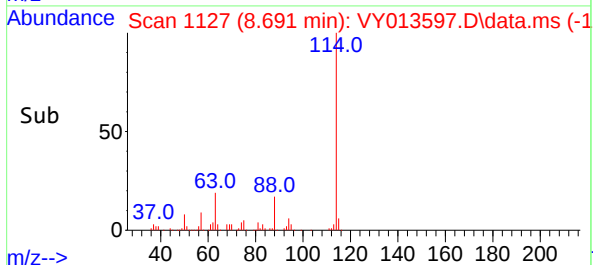
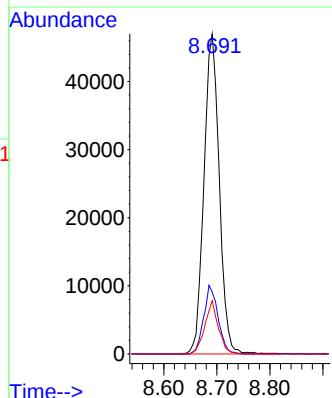
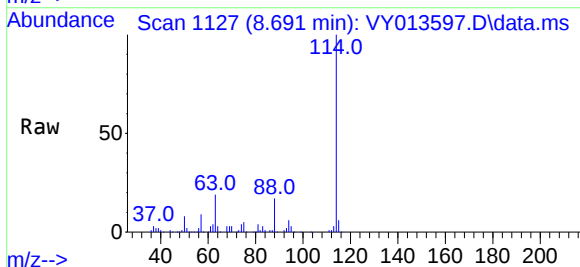
Tgt Ion: 114 Resp: 94050

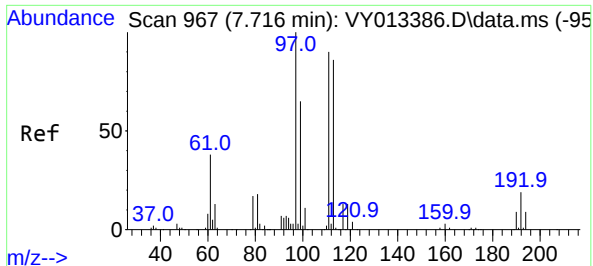
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.6

88 16.6 0.0 28.8

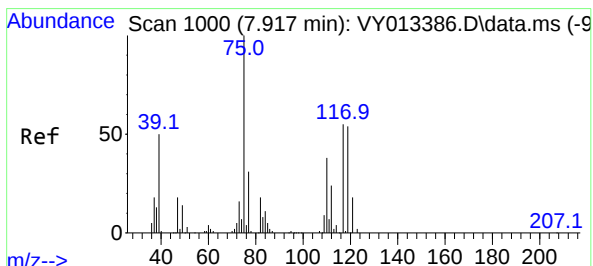
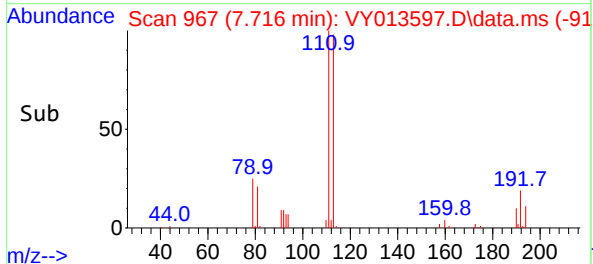
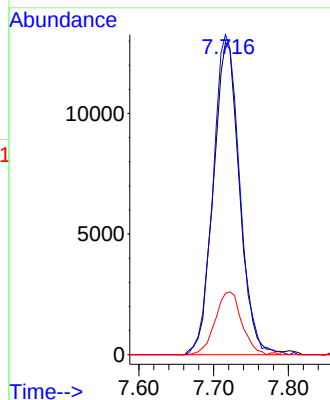
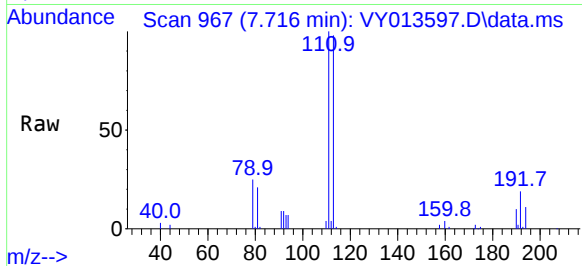




#35
Dibromofluoromethane
Concen: 53.314 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

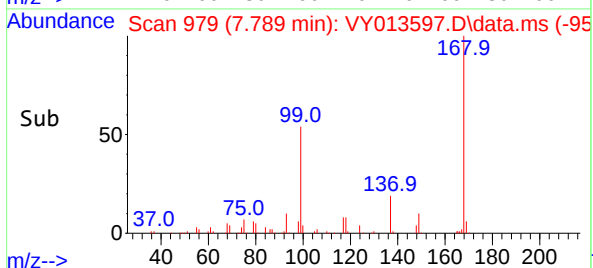
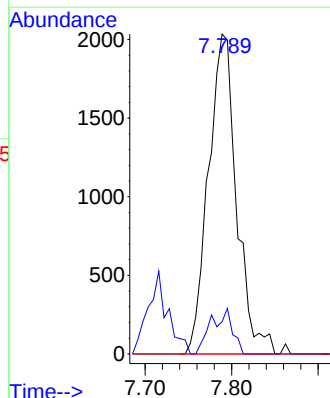
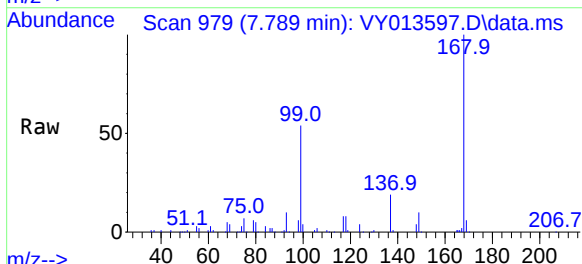
Instrument :
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ClientSampleId :
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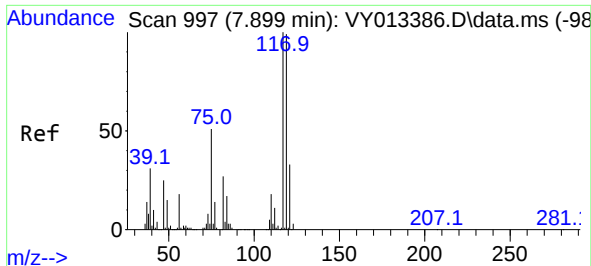
Tgt Ion:	113	Resp:	31537
Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.2
192	20.3	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.683 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion:	75	Resp:	4597
Ion	Ratio	Lower	Upper
75	100		
110	10.7	18.7	56.1#
77	0.0	24.6	37.0#

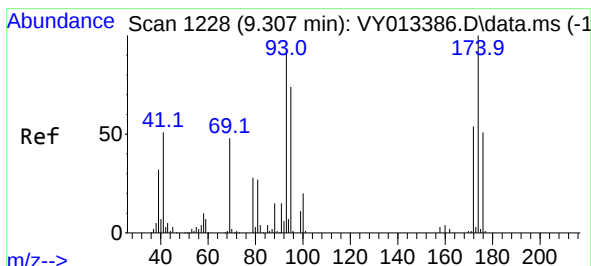
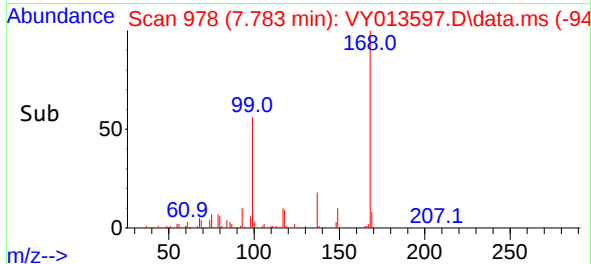
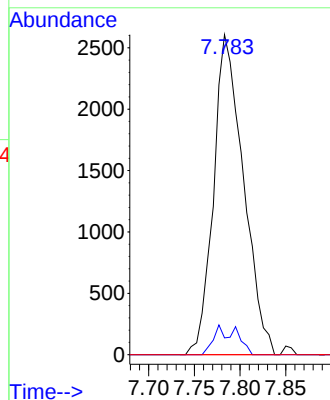
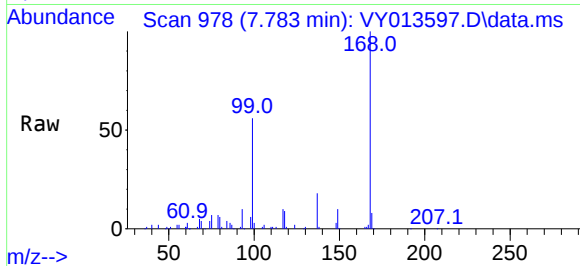




#38
Carbon Tetrachloride
Concen: 5.753 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

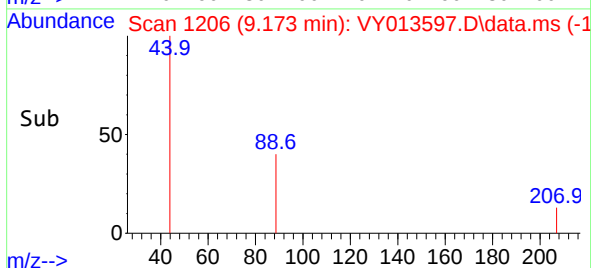
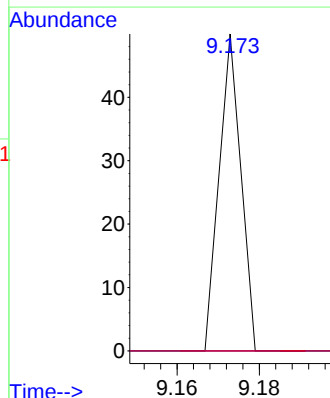
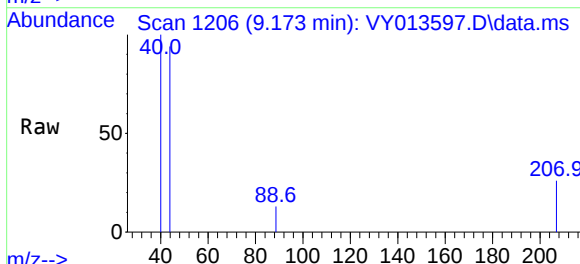
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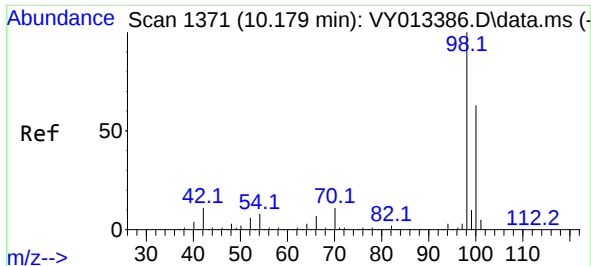
Tgt Ion:117 Resp: 5920
Ion Ratio Lower Upper
117 100
119 5.3 79.0 118.6#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 2.913 ug/l
RT: 9.173 min Scan# 1206
Delta R.T. -0.134 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 16.8 25.2#
58 0.0 54.3 81.5#

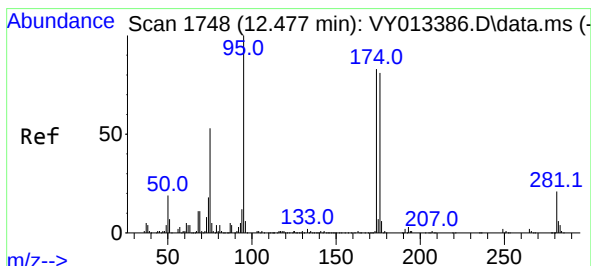
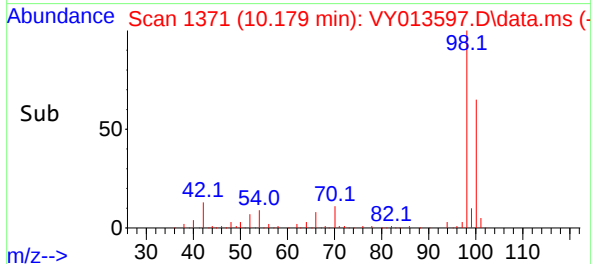
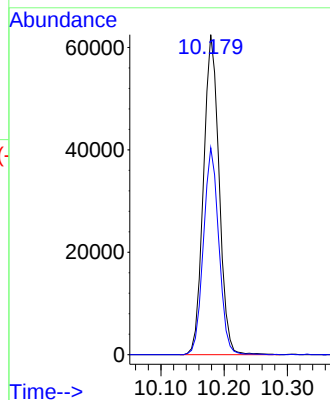
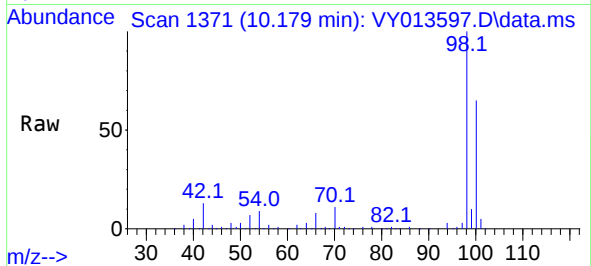




#50
Toluene-d8
Concen: 51.006 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

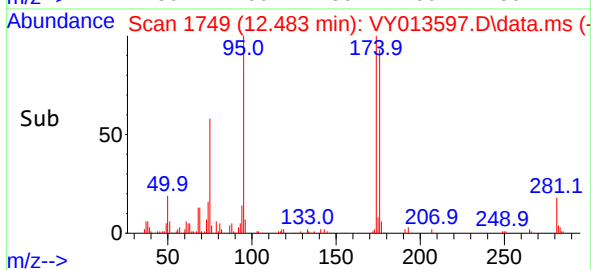
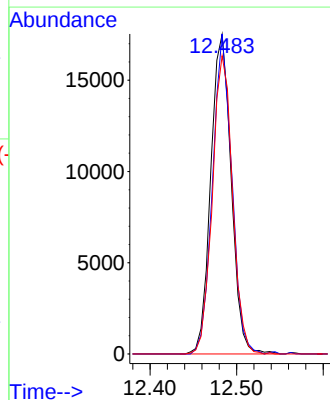
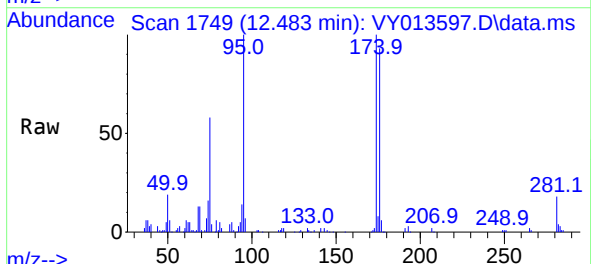
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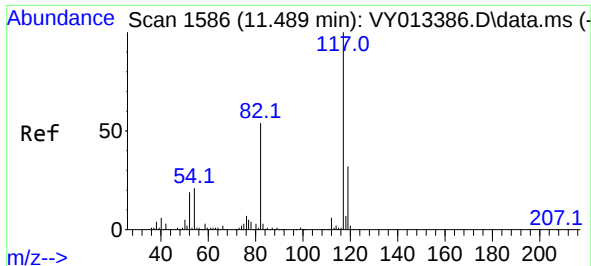
Tgt Ion: 98 Resp: 107334
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 40.333 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion: 95 Resp: 28613
Ion Ratio Lower Upper
95 100
174 94.2 0.0 182.0
176 92.2 0.0 175.4

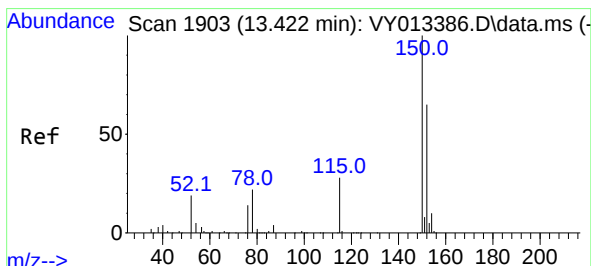
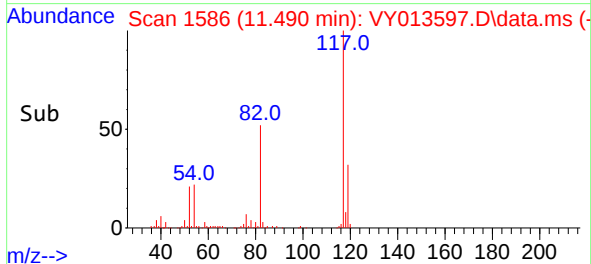
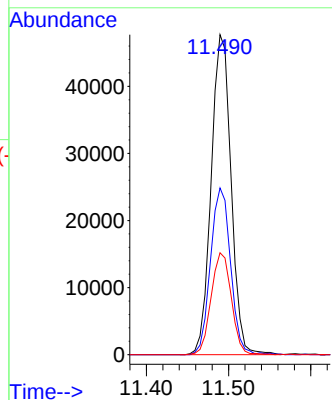
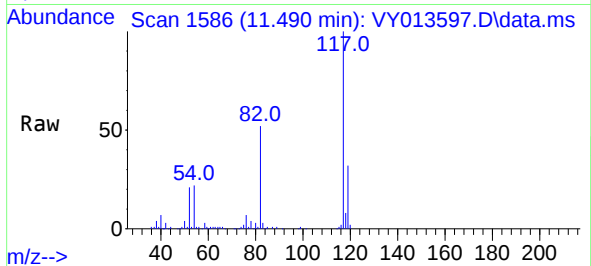




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

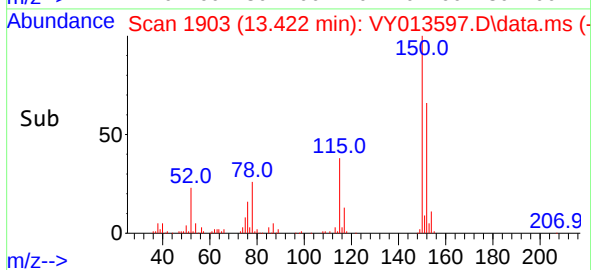
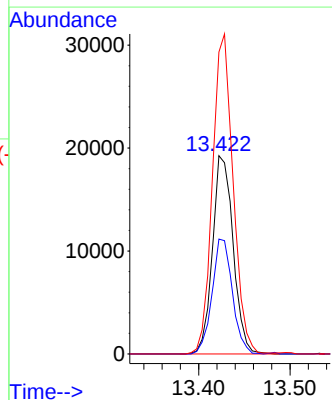
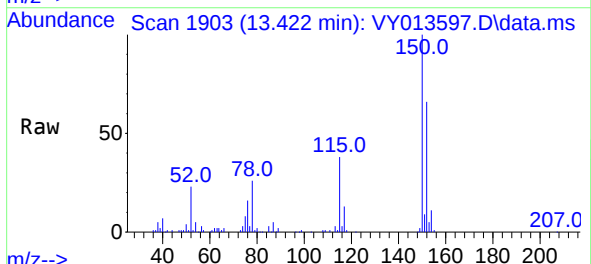
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240RE

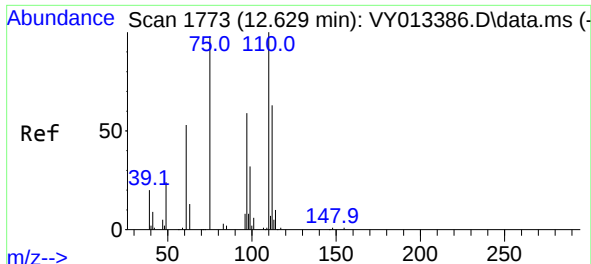
Tgt Ion:	117	Resp:	80267
Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.0	64.6
119	31.8	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion:	152	Resp:	30223
Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.1	84.2
150	161.0	0.0	352.0

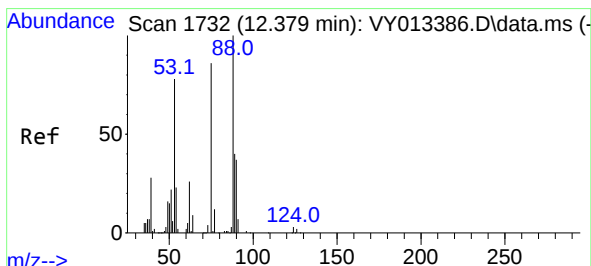
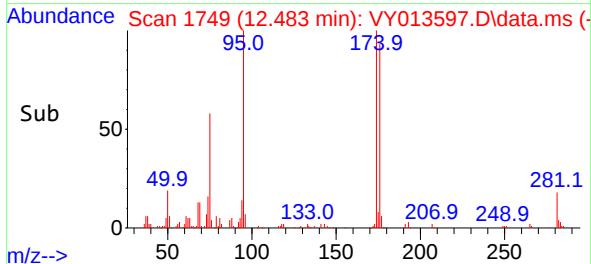
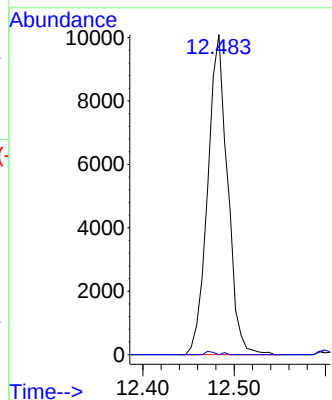
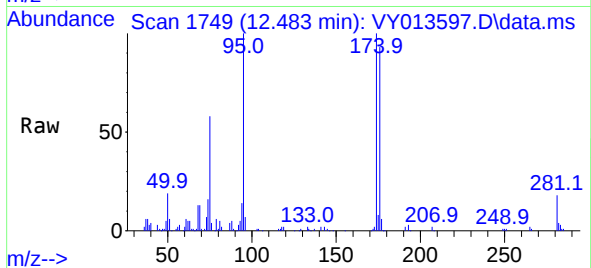




#76
1,2,3-Trichloropropane
Concen: 37.368 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

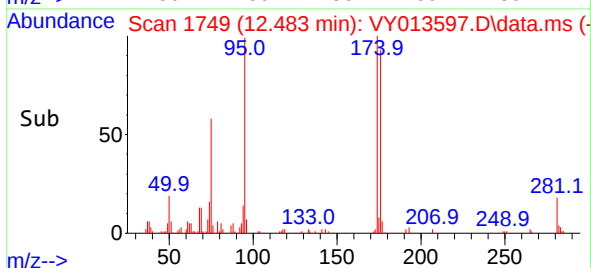
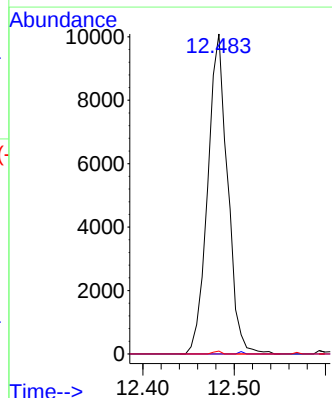
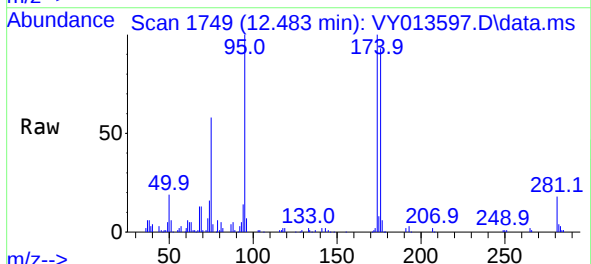
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240RE

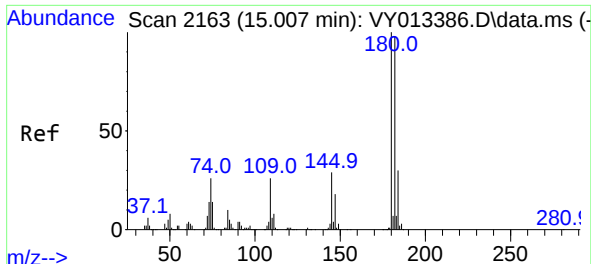
Tgt Ion: 75 Resp: 15231
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.439 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion: 75 Resp: 15231
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.3 38.0 57.0#

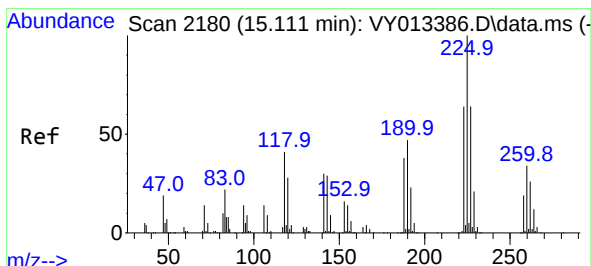
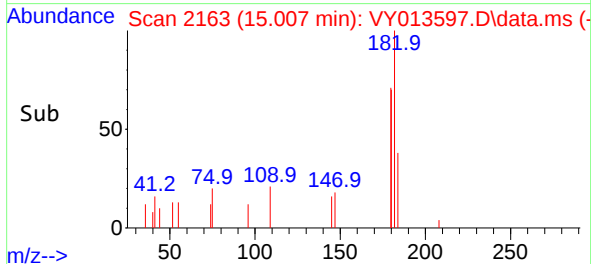
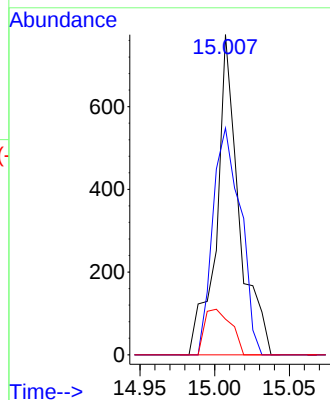
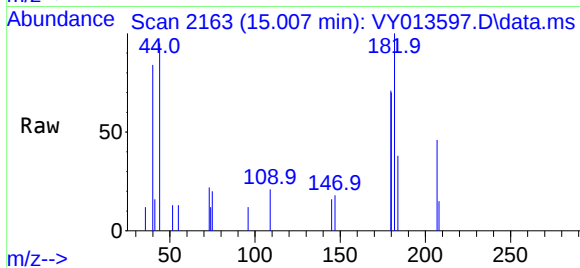




#93
1,2,4-Trichlorobenzene
Concen: 1.422 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

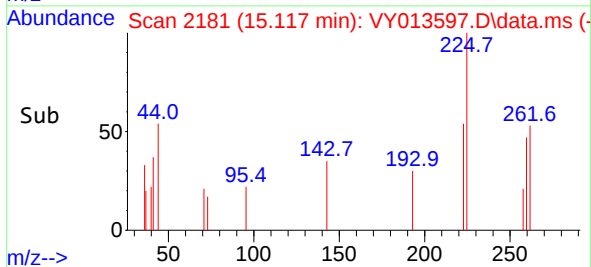
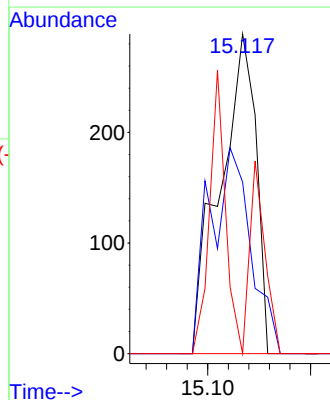
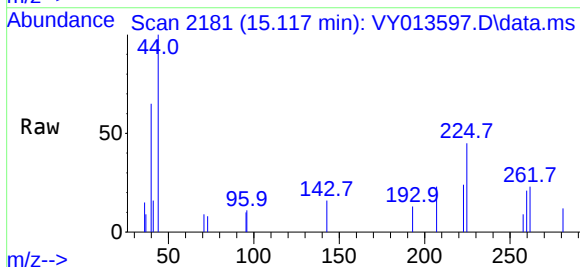
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240RE

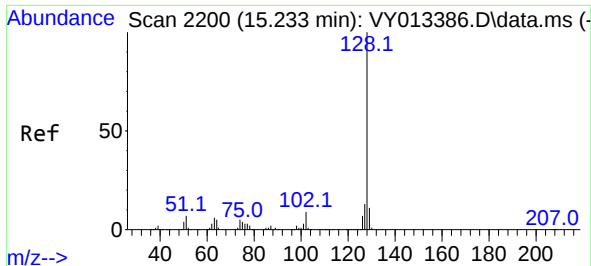
Tgt Ion:	180	Resp:	808
Ion	Ratio	Lower	Upper
180	100		
182	87.9	48.5	145.5
145	16.7	15.0	45.0



#94
Hexachlorobutadiene
Concen: 1.062 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion:	225	Resp:	351
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.4	94.2#
227	25.4	32.0	96.0#

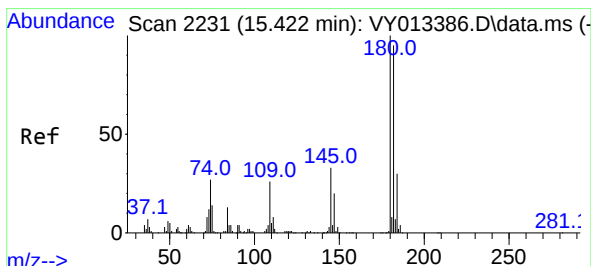
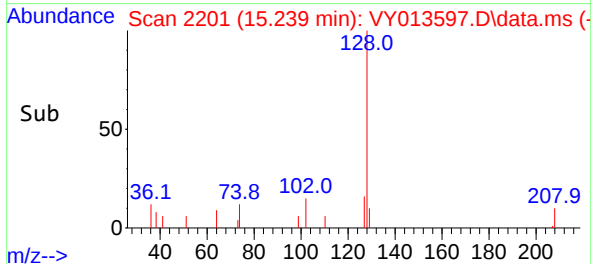
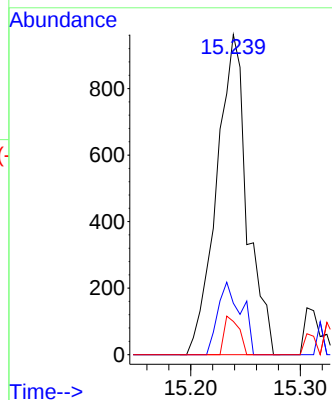
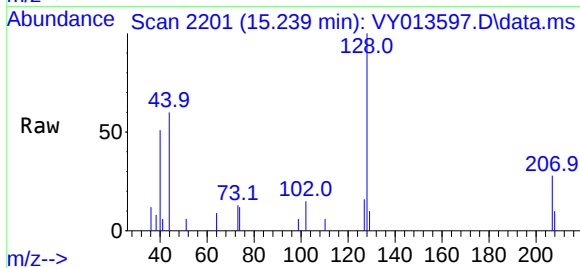




#95
Naphthalene
Concen: 1.511 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-240RE

Tgt Ion:128 Resp: 1863
Ion Ratio Lower Upper
128 100
127 17.3 10.7 16.1#
129 5.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.617 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY013597.D
Acq: 04 May 2023 14:05

Tgt Ion:180 Resp: 819
Ion Ratio Lower Upper
180 100
182 85.5 47.1 141.3
145 22.5 15.9 47.7

