

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013619.D
 Acq On : 05 May 2023 12:47
 Operator : KP/MD
 Sample : 02598-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241RE

Quant Time: May 08 00:23:52 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)

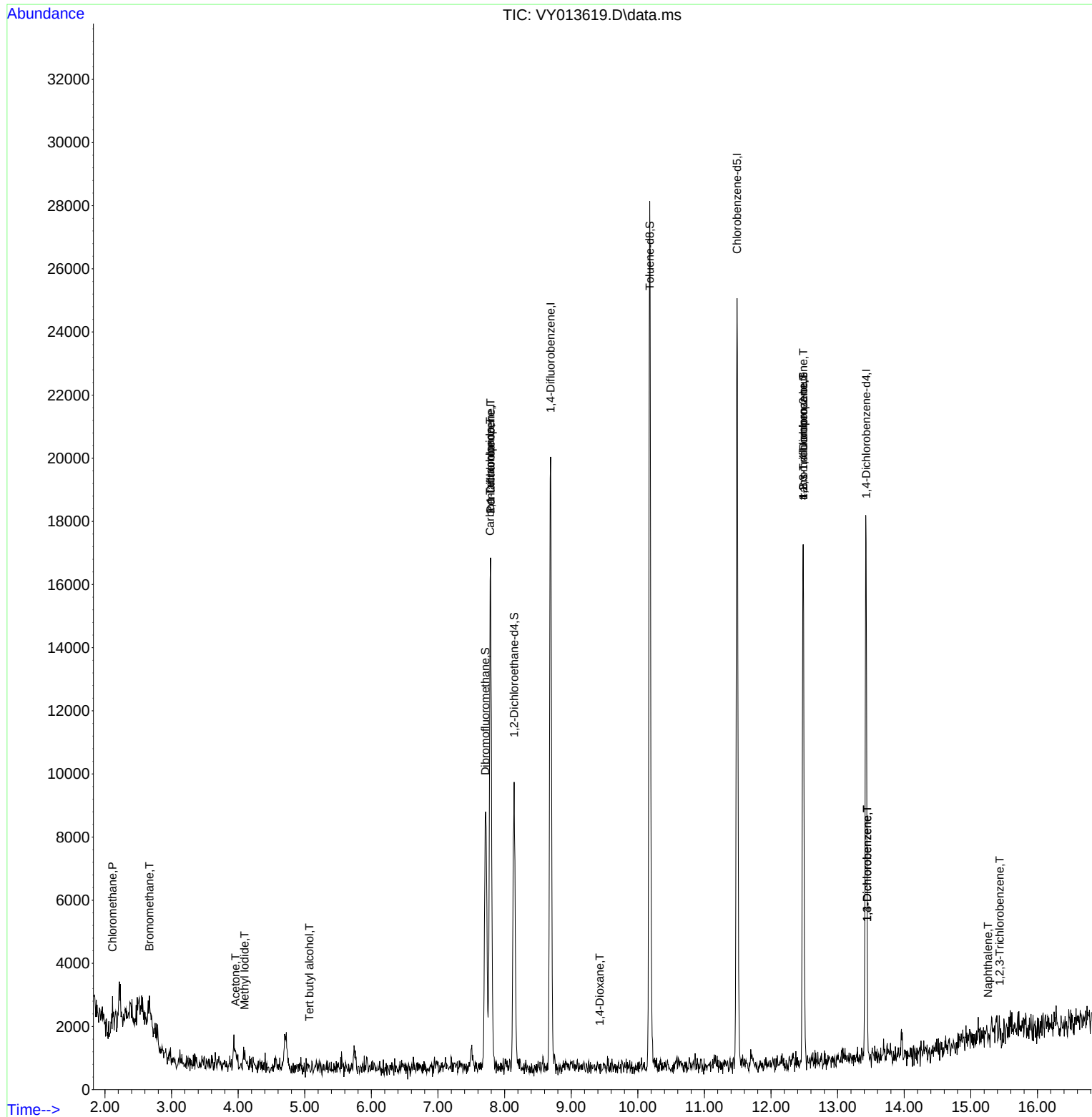
Internal Standards						
1) Pentafluorobenzene	7.789	168	12768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	16555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	13706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7440	53.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.320%	
35) Dibromofluoromethane	7.709	113	6070	58.296	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.600%	
50) Toluene-d8	10.178	98	18903	51.033	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.060%	
62) 4-Bromofluorobenzene	12.483	95	4622	37.013	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 74.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	516	3.171	ug/l #	82
5) Bromomethane	2.668	94	401	3.106	ug/l #	48
10) Methyl Iodide	4.094	142	714	4.130	ug/l #	75
11) Tert butyl alcohol	5.070	59	26	2.295	ug/l #	89
16) Acetone	3.960	43	669	12.137	ug/l #	78
20) Methylene Chloride	4.722	84	737	Below Cal		88
36) 1,1-Dichloropropene	7.789	75	889	5.144	ug/l #	45
38) Carbon Tetrachloride	7.782	117	1121	6.189	ug/l #	11
49) 1,4-Dioxane	9.428	88	23	21.147	ug/l #	25
76) 1,2,3-Trichloropropane	12.483	75	2398	38.646	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2398	79.053	ug/l #	12
87) 1,3-Dichlorobenzene	13.446	146	240	1.494	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	240	1.479	ug/l	97
95) Naphthalene	15.257	128	337	1.796	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.434	180	143	1.855	ug/l #	71

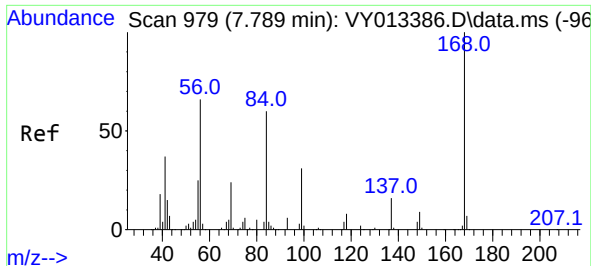
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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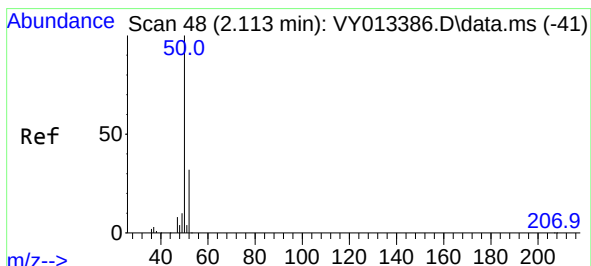
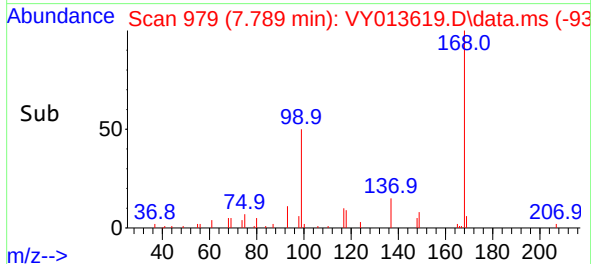
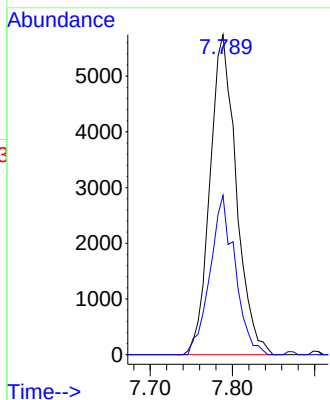
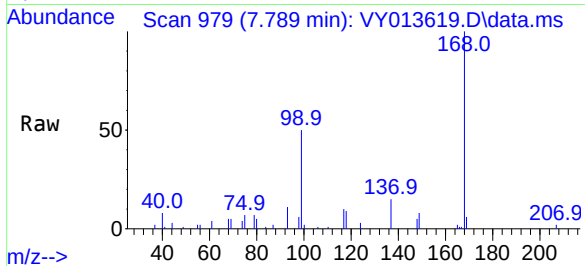




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

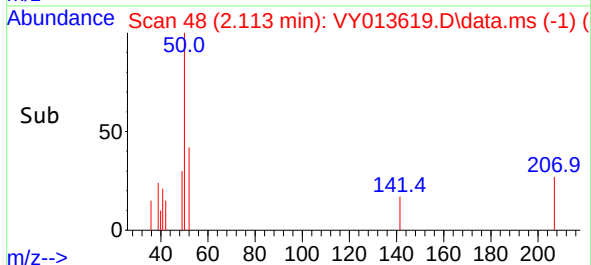
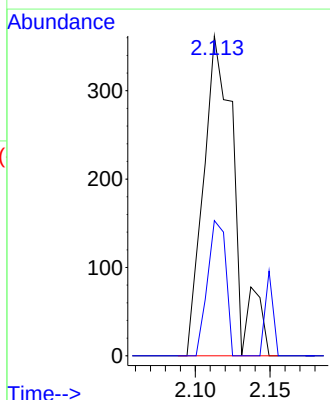
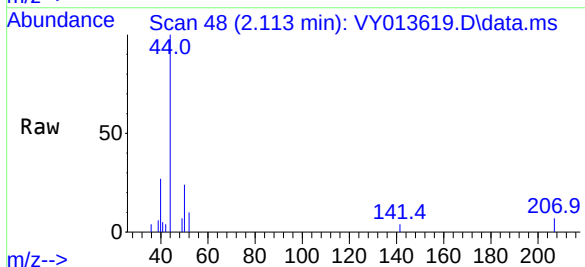
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241RE

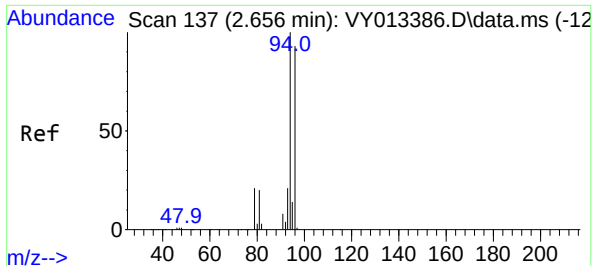
Tgt Ion:168 Resp: 12768
Ion Ratio Lower Upper
168 100
99 49.8 41.8 62.6



#3
Chloromethane
Concen: 3.171 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 42.3 25.9 38.9#

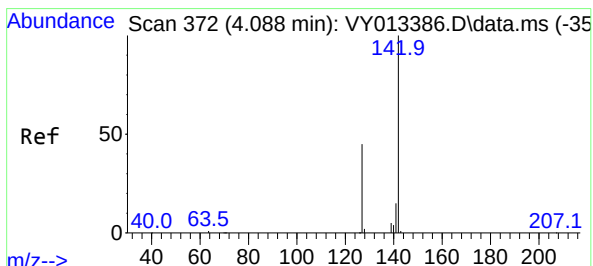
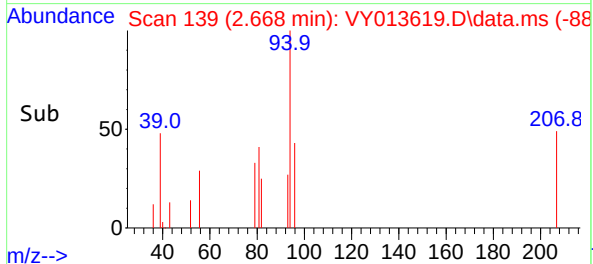
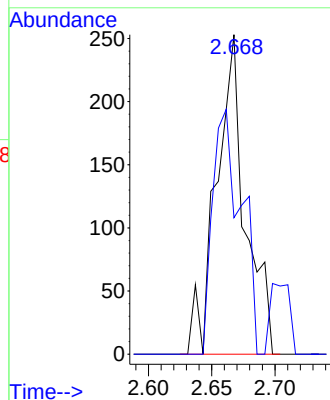
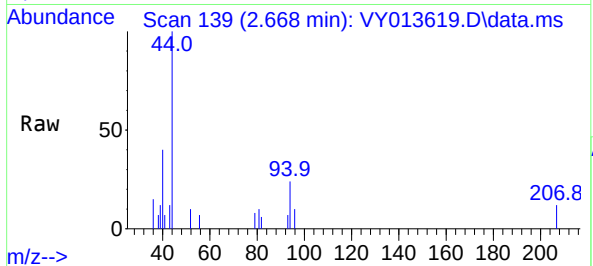




#5
Bromomethane
Concen: 3.106 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.011 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

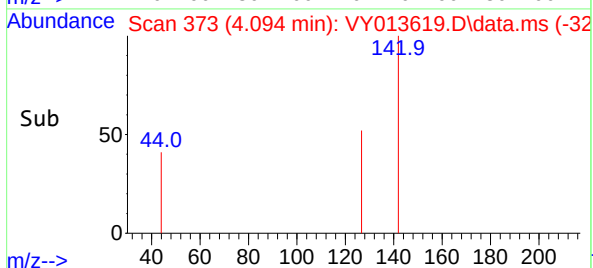
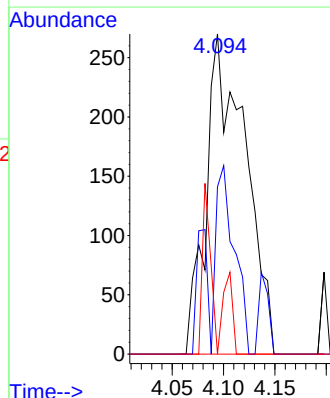
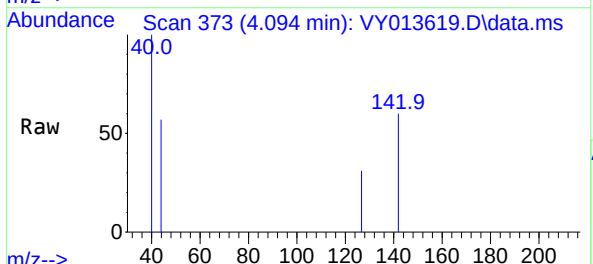
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241RE

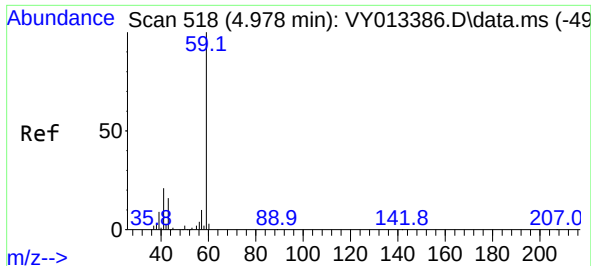
Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 42.7 74.2 111.2#



#10
Methyl Iodide
Concen: 4.130 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Tgt Ion: 142 Resp: 714
Ion Ratio Lower Upper
142 100
127 27.9 36.1 54.1#
141 6.2 11.6 17.4#

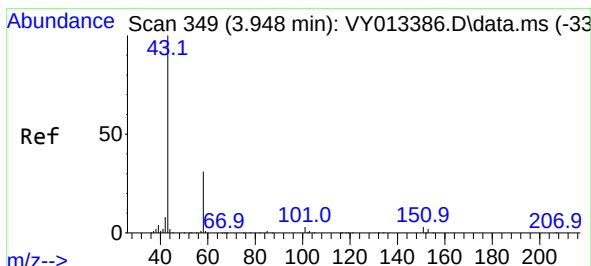
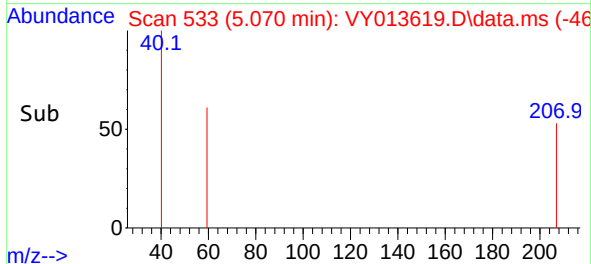
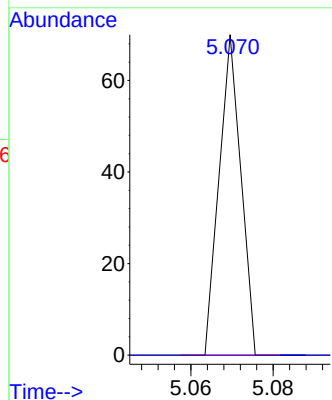
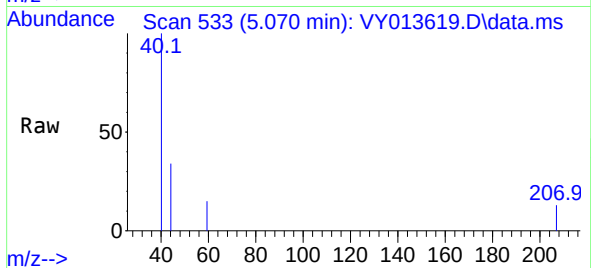




#11
Tert butyl alcohol
Concen: 2.295 ug/l
RT: 5.070 min Scan# 518
Delta R.T. 0.092 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

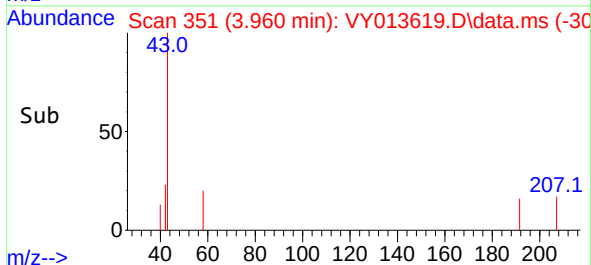
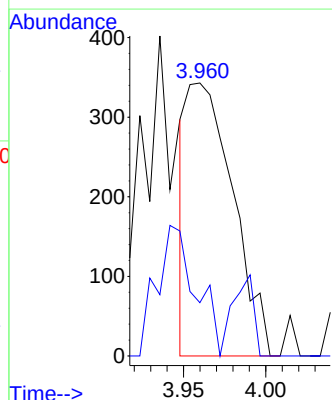
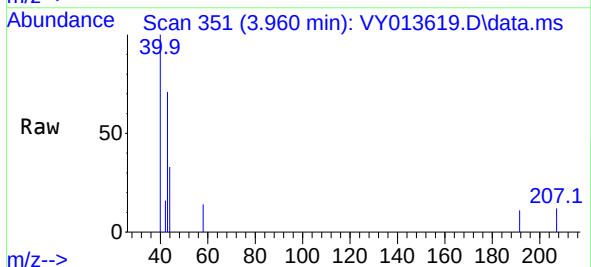
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241RE

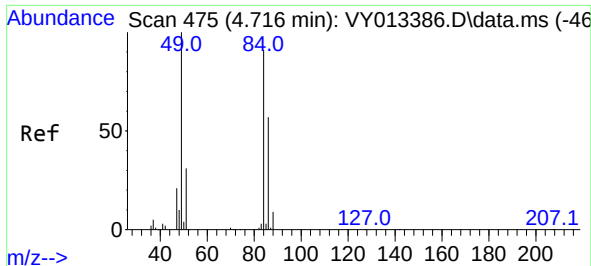
Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 12.137 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 19.5 25.4 38.0#



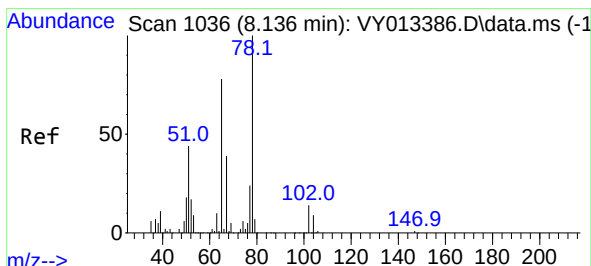
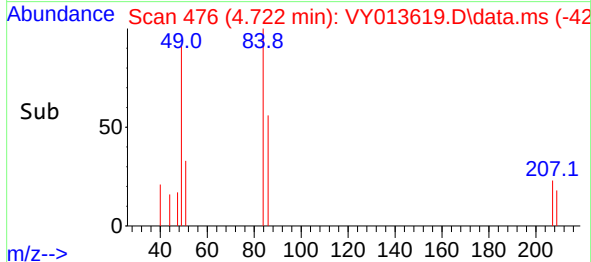
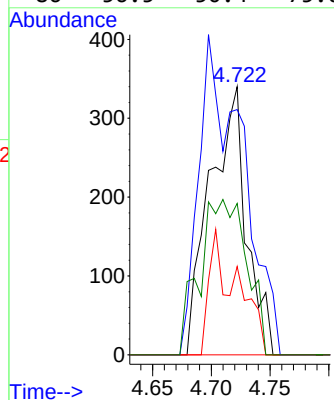
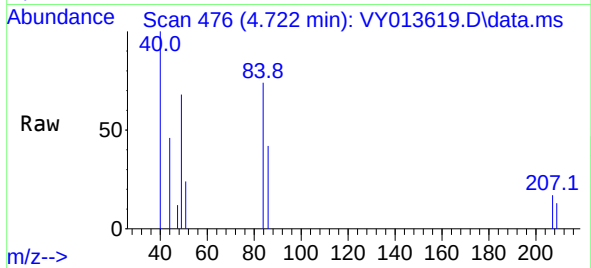


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241RE

Tgt Ion: 84 Resp: 737

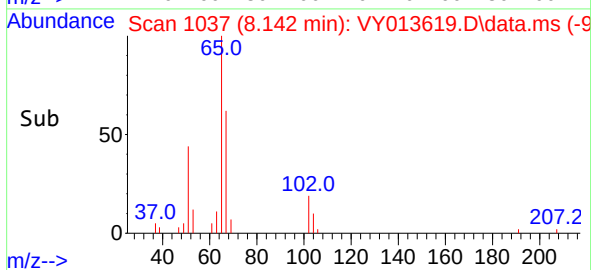
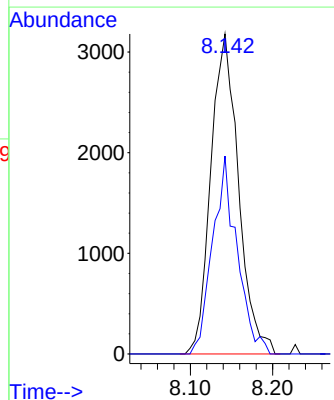
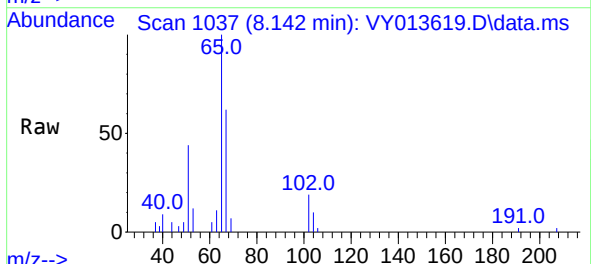
Ion	Ratio	Lower	Upper
84	100		
49	91.5	88.0	132.0
51	32.9	27.4	41.0
86	56.5	50.4	75.6

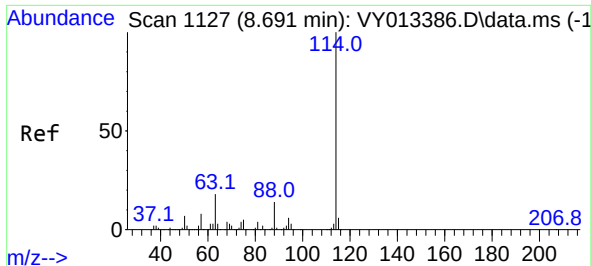


#33
1,2-Dichloroethane-d4
Concen: 53.156 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Tgt Ion: 65 Resp: 7440

Ion	Ratio	Lower	Upper
65	100		
67	54.8	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: VY013619.D

Acq: 05 May 2023 12:47

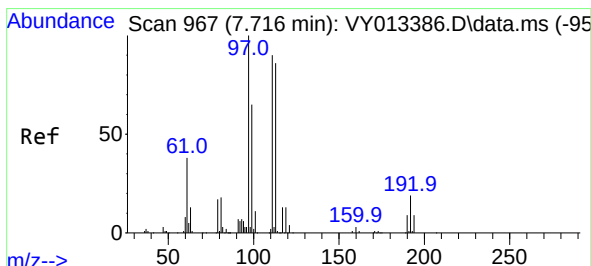
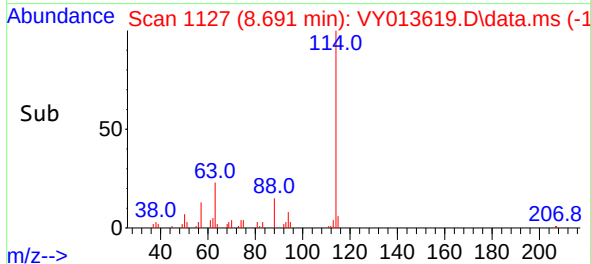
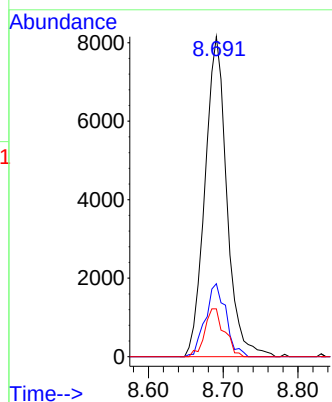
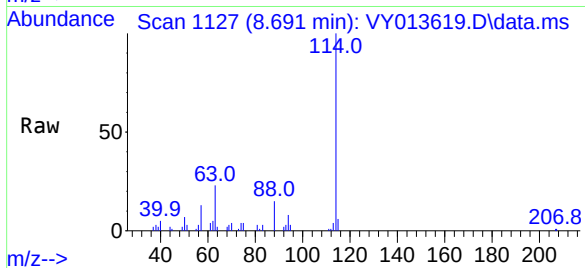
Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241RE

Tgt Ion:114	Resp:	16555
Ion	Ratio	Lower Upper
114	100	
63	22.8	0.0 36.6
88	14.9	0.0 28.8



#35

Dibromofluoromethane

Concen: 58.296 ug/l

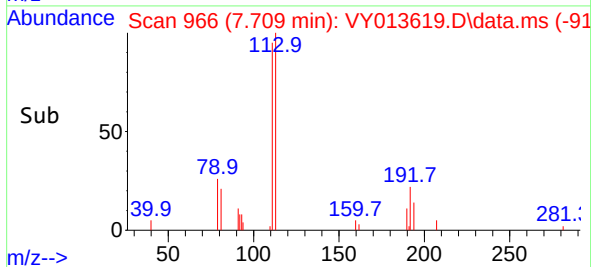
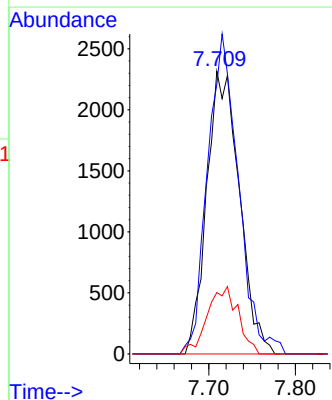
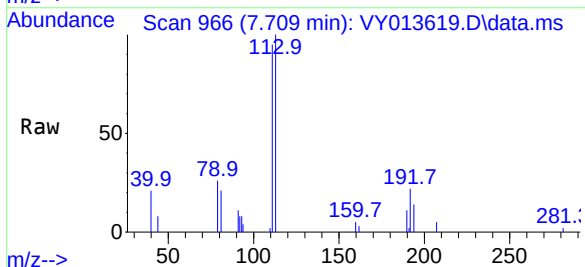
RT: 7.709 min Scan# 966

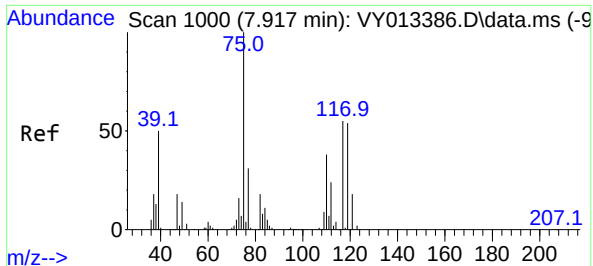
Delta R.T. -0.007 min

Lab File: VY013619.D

Acq: 05 May 2023 12:47

Tgt Ion:113	Resp:	6070
Ion	Ratio	Lower Upper
113	100	
111	106.7	82.2 123.2
192	22.4	16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.144 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013619.D

Acq: 05 May 2023 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241RE

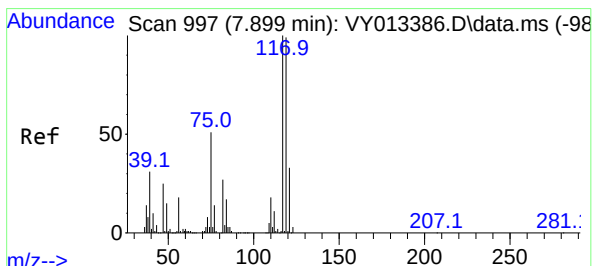
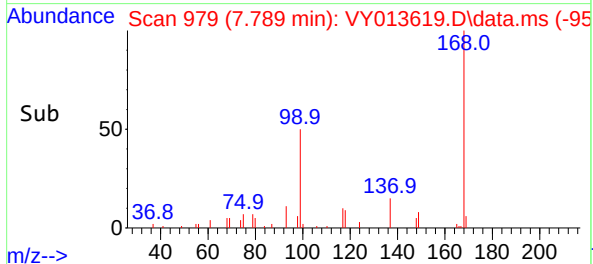
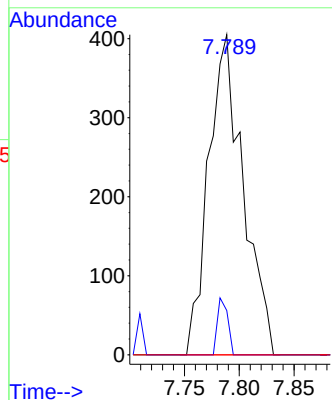
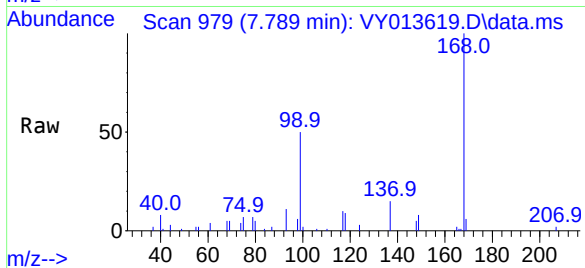
Tgt Ion: 75 Resp: 889

Ion Ratio Lower Upper

75 100

110 5.3 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.189 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.117 min

Lab File: VY013619.D

Acq: 05 May 2023 12:47

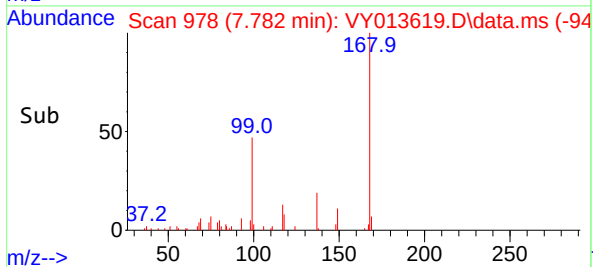
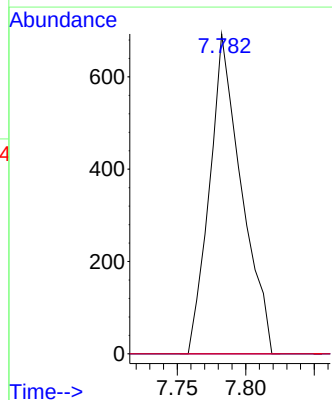
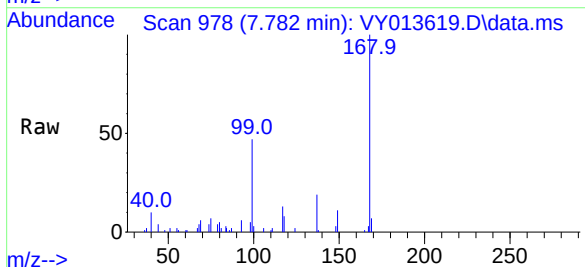
Tgt Ion: 117 Resp: 1121

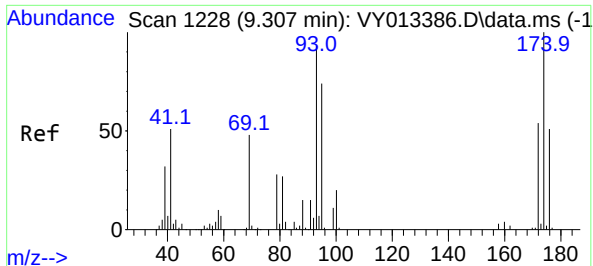
Ion Ratio Lower Upper

117 100

119 0.0 79.0 118.6#

121 0.0 26.6 40.0#





#49

1,4-Dioxane

Concen: 21.147 ug/l

RT: 9.428 min Scan# 1248

Delta R.T. 0.121 min

Lab File: VY013619.D

Acq: 05 May 2023 12:47

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VNJ-241RE

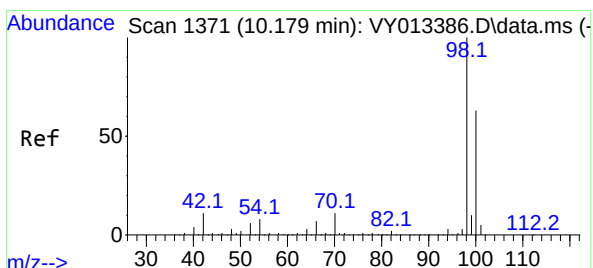
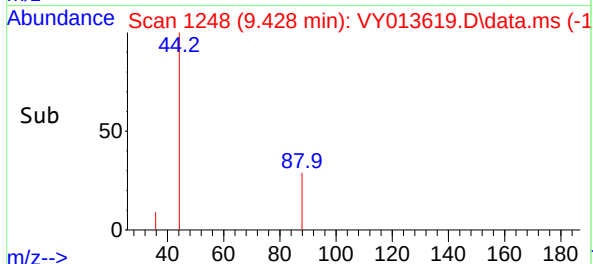
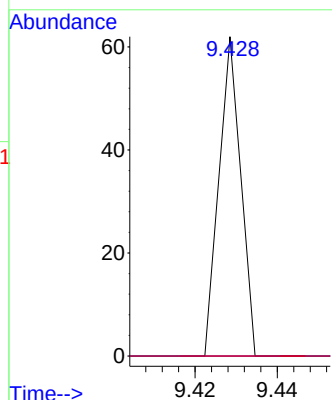
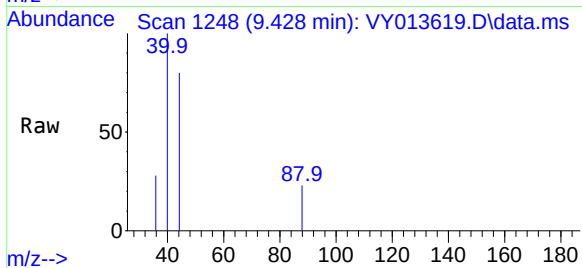
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 16.8 25.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 51.033 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.001 min

Lab File: VY013619.D

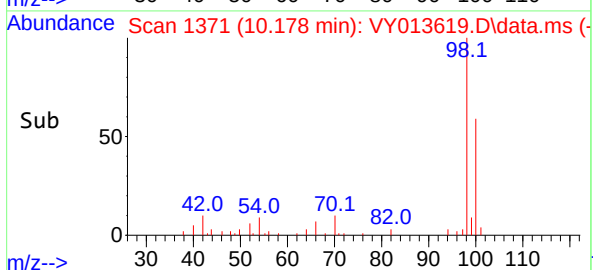
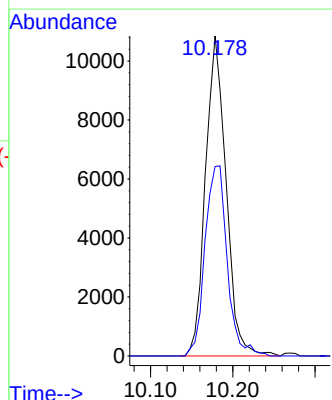
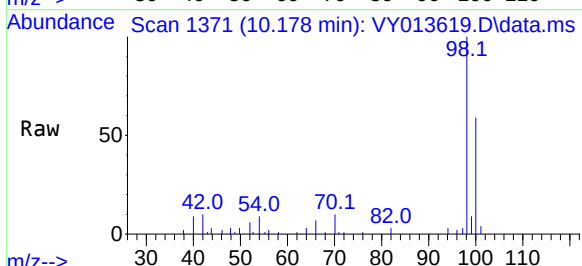
Acq: 05 May 2023 12:47

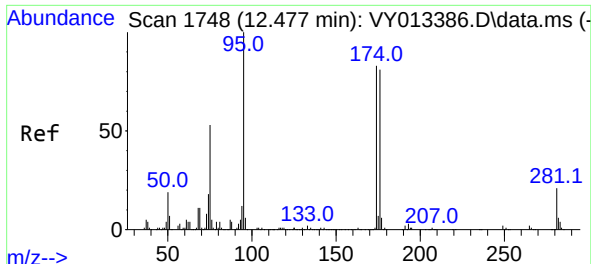
Tgt Ion: 98 Resp: 18903

Ion Ratio Lower Upper

98 100

100 64.2 50.5 75.7

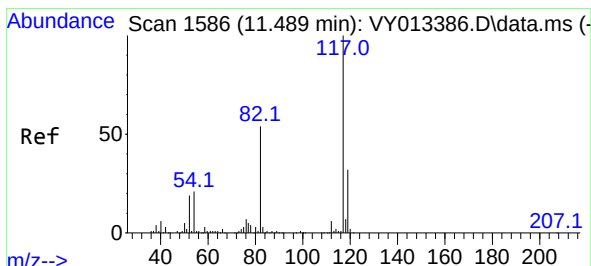
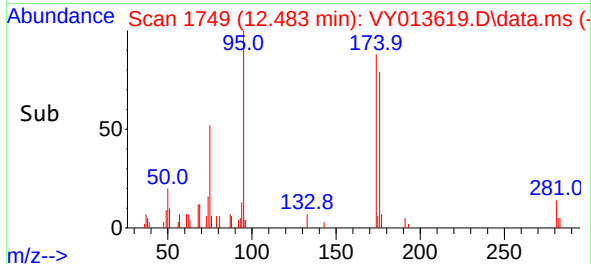
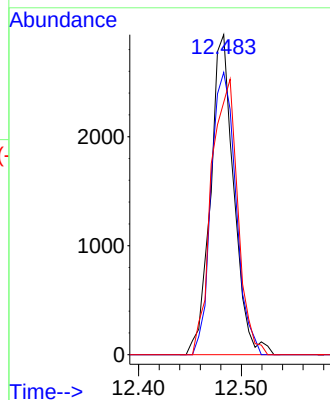
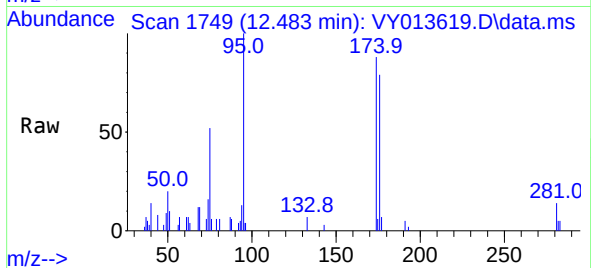




#62
4-Bromofluorobenzene
Concen: 37.013 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

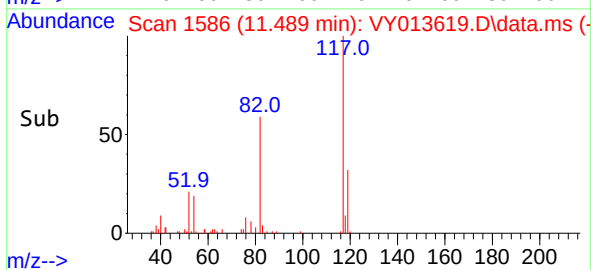
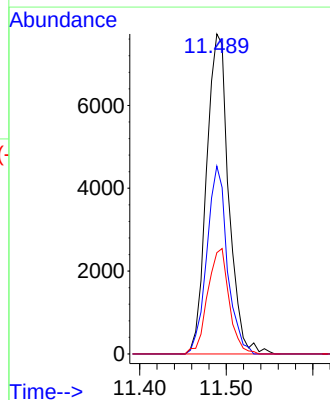
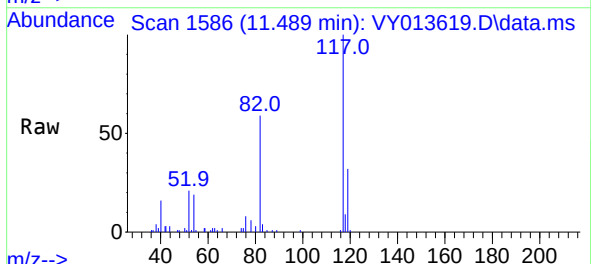
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241RE

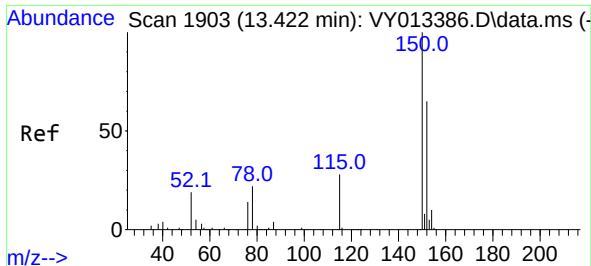
Tgt Ion:	95	Resp:	4622
Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	182.0
176	97.0	0.0	175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Tgt Ion:	117	Resp:	13706
Ion	Ratio	Lower	Upper
117	100		
82	58.7	43.0	64.6
119	31.7	25.5	38.3

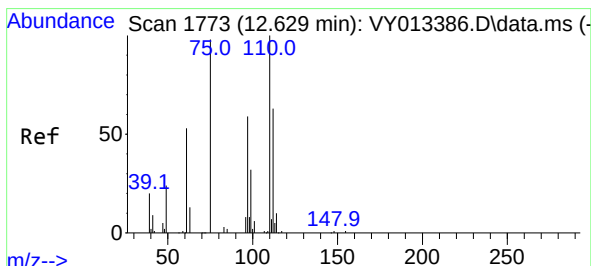
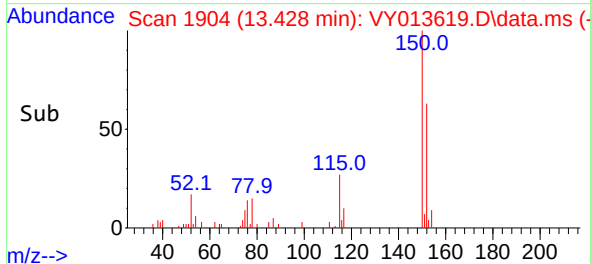
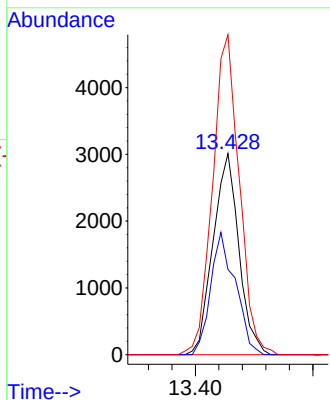
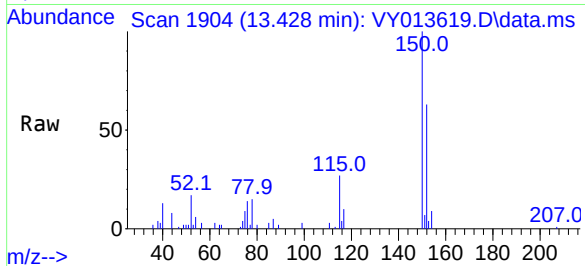




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

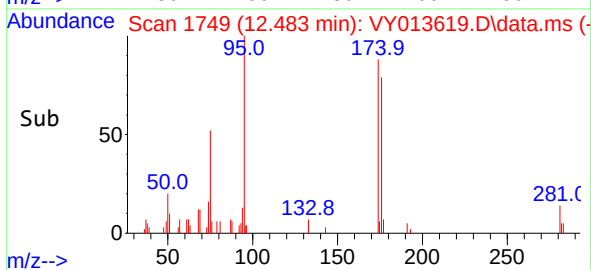
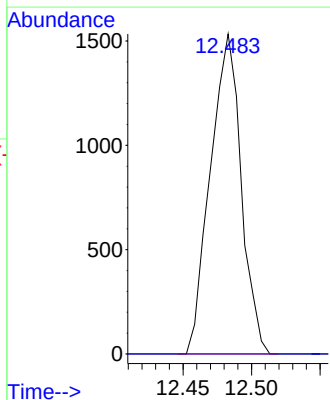
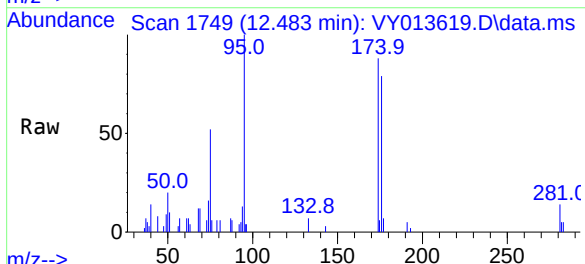
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241RE

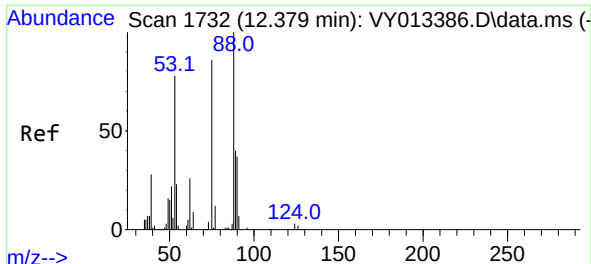
Tgt Ion:152 Resp: 4601
Ion Ratio Lower Upper
152 100
115 58.1 28.1 84.2
150 164.2 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 38.646 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Tgt Ion: 75 Resp: 2398
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

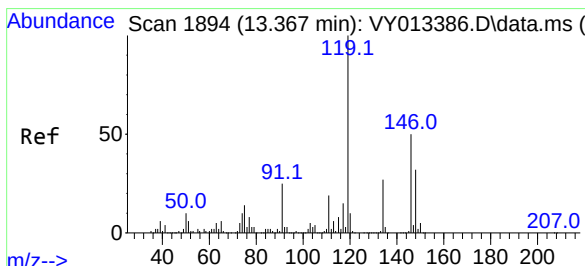
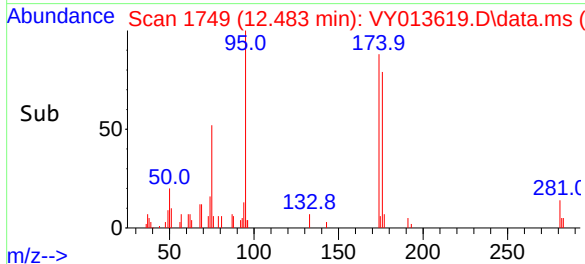
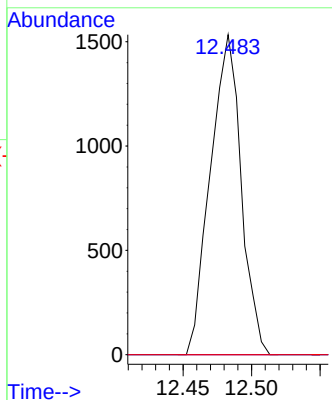
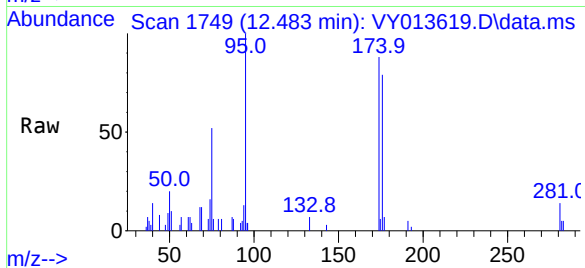




#81
trans-1,4-Dichloro-2-butene
Concen: 79.053 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

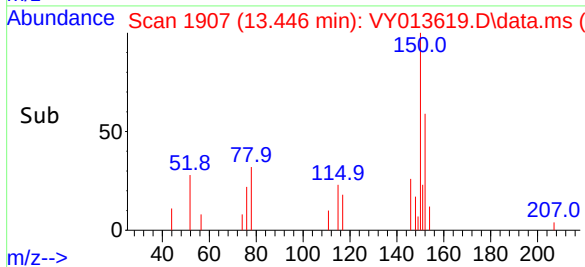
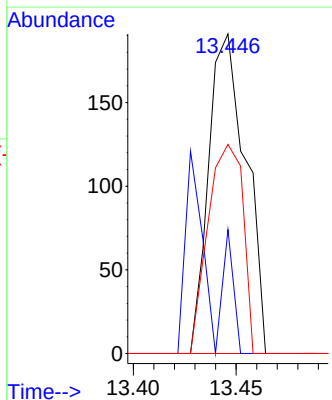
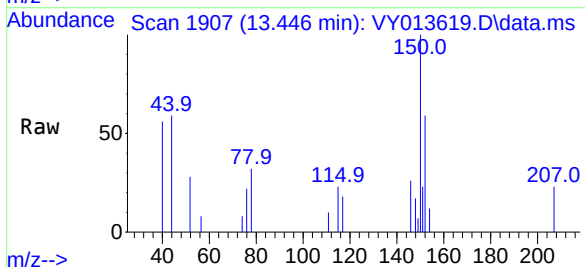
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241RE

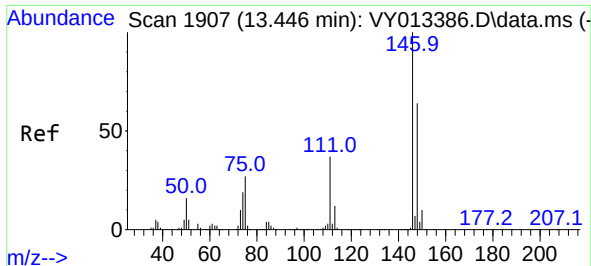
Tgt Ion: 75 Resp: 2398
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#



#87
1,3-Dichlorobenzene
Concen: 1.494 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.079 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Tgt Ion:146 Resp: 240
Ion Ratio Lower Upper
146 100
111 40.0 19.3 57.9
148 61.7 31.9 95.7

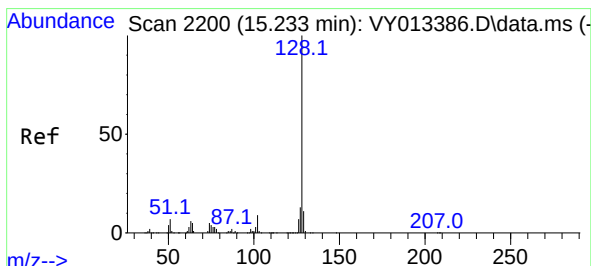
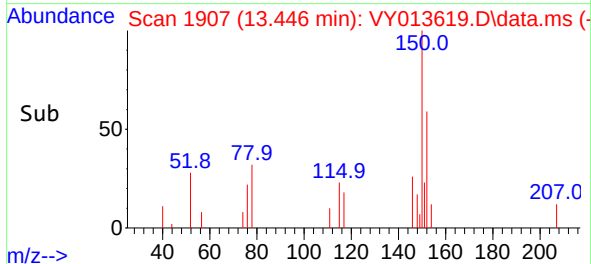
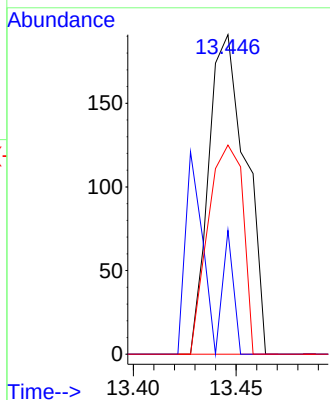
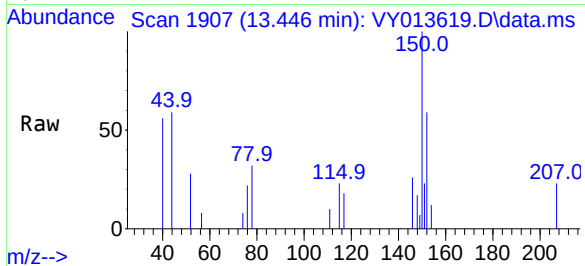




#88
1,4-Dichlorobenzene
Concen: 1.479 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

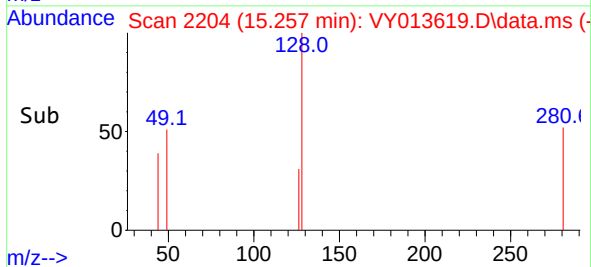
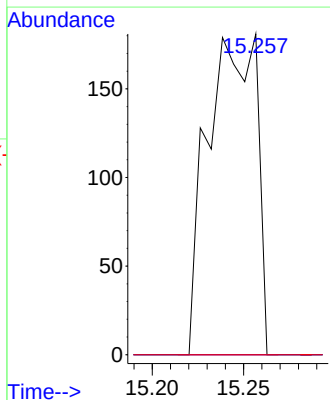
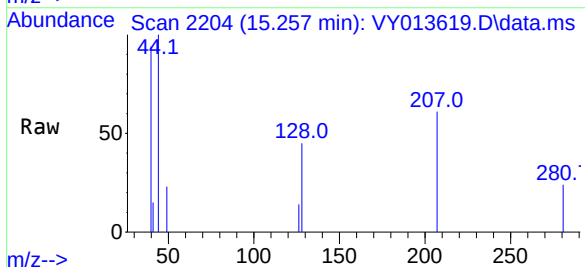
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241RE

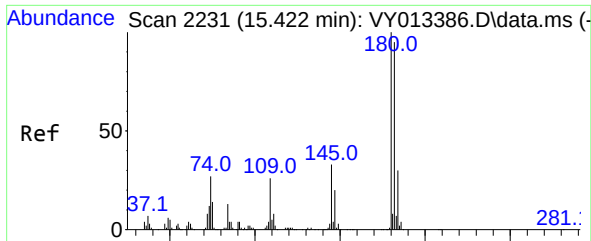
Tgt Ion:	146	Resp:	240
Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.9	56.5
148	61.7	31.9	95.5



#95
Naphthalene
Concen: 1.796 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.024 min
Lab File: VY013619.D
Acq: 05 May 2023 12:47

Tgt Ion:	128	Resp:	337
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.8	13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.855 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VY013619.D
 Acq: 05 May 2023 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241RE

Tgt Ion:180	Resp:	143
Ion Ratio	Lower	Upper
180	100	
182	75.5	47.1 141.3
145	0.0	15.9 47.7#

