

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013941.D
 Acq On : 31 May 2023 17:23
 Operator : KP/MD
 Sample : 02955-06RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB26RE

Quant Time: May 31 17:59:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

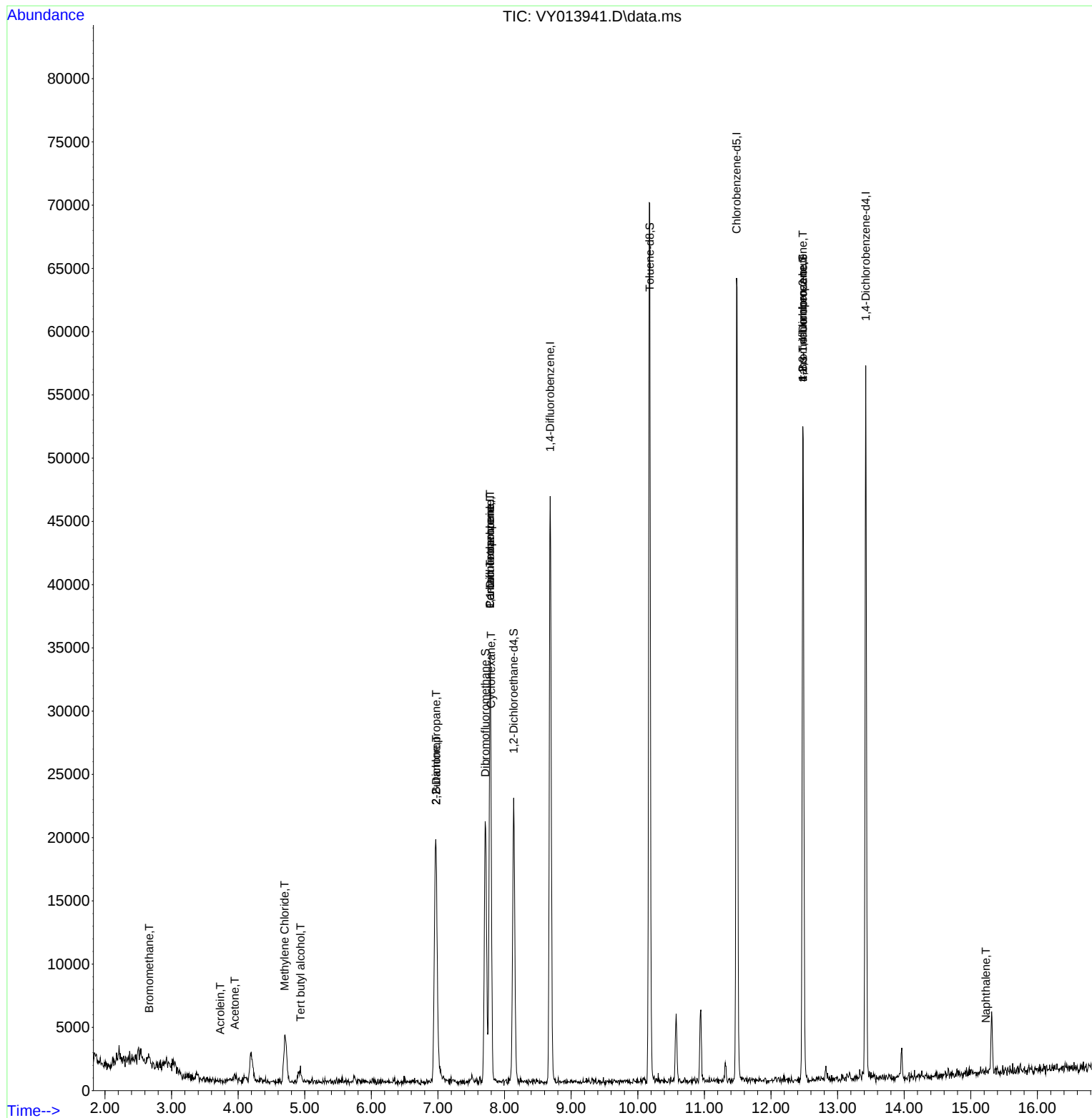
Internal Standards						
1) Pentafluorobenzene	7.783	168	25206	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	40676	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.484	117	35284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	14781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	18197	62.402	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.800%			
35) Dibromofluoromethane	7.710	113	14204	54.072	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.140%			
50) Toluene-d8	10.179	98	47448	47.524	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.040%			
62) 4-Bromofluorobenzene	12.477	95	13081	39.417	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 78.840%			
Target Compounds						Qvalue
5) Bromomethane	2.662	94	299	1.308	ug/l #	67
11) Tert butyl alcohol	4.936	59	1053	47.137	ug/l #	73
13) Acrolein	3.729	56	53	1.577	ug/l #	15
16) Acetone	3.948	43	938	10.838	ug/l	96
20) Methylene Chloride	4.698	84	2751	6.768	ug/l #	78
25) 2-Butanone	6.972	43	1239	11.732	ug/l #	66
26) 2,2-Dichloropropane	6.972	77	1468	3.212	ug/l #	53
31) Cyclohexane	7.795	56	639	1.426	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	1908	4.769	ug/l #	44
38) Carbon Tetrachloride	7.783	117	2270	4.989	ug/l #	13
76) 1,2,3-Trichloropropane	12.477	75	7412	42.527	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	7412	92.314	ug/l #	10
95) Naphthalene	15.227	128	277	4.948	ug/l #	68

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

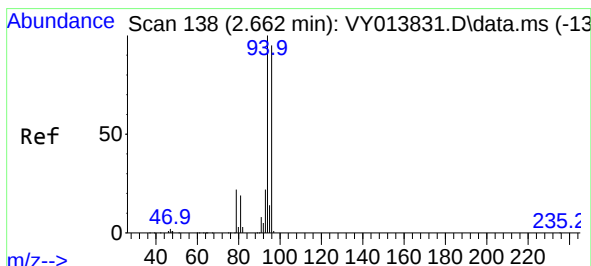
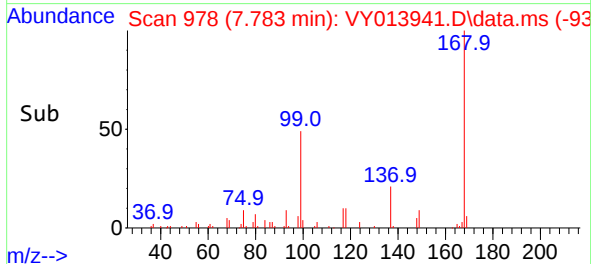
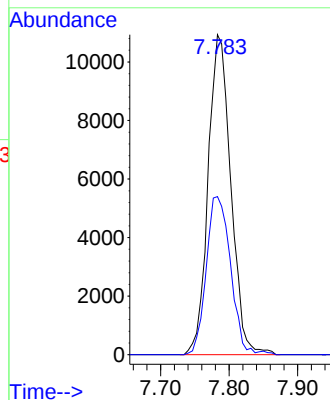
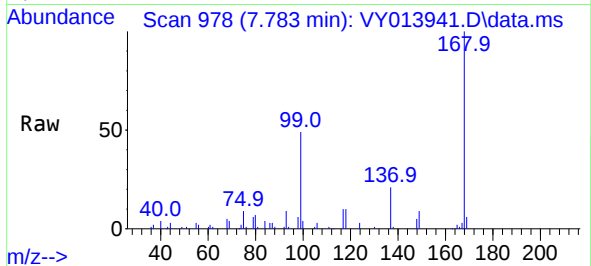




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

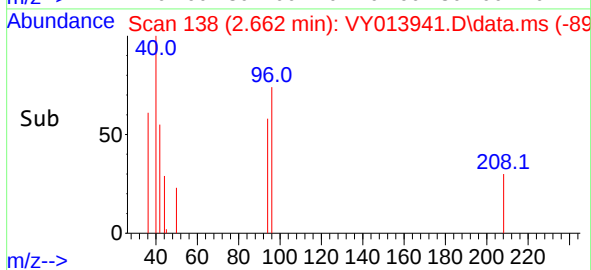
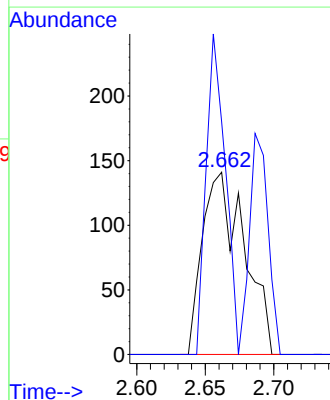
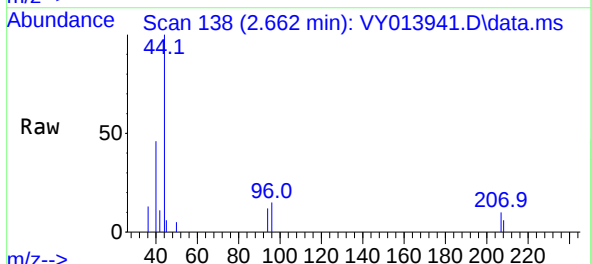
Instrument :
MSVOA_Y
ClientSampleId :
SB26RE

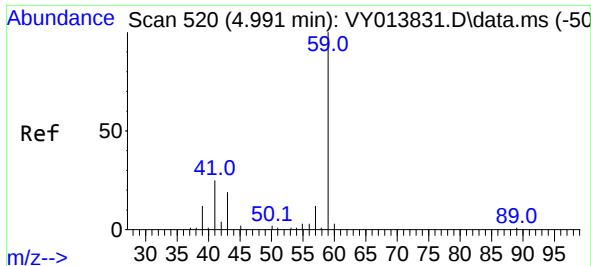
Tgt Ion:168 Resp: 25206
Ion Ratio Lower Upper
168 100
99 49.4 43.4 65.2



#5
Bromomethane
Concen: 1.308 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.000 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 127.7 76.2 114.2#





#11

Tert butyl alcohol

Concen: 47.137 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.055 min

Lab File: VY013941.D

Acq: 31 May 2023 17:23

Instrument :

MSVOA_Y

ClientSampleId :

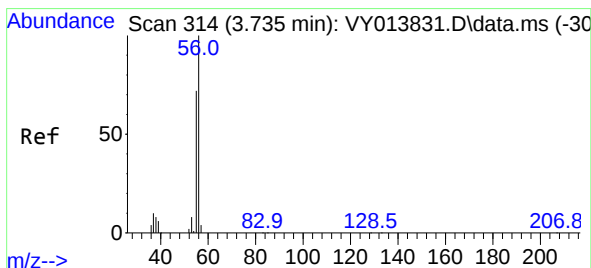
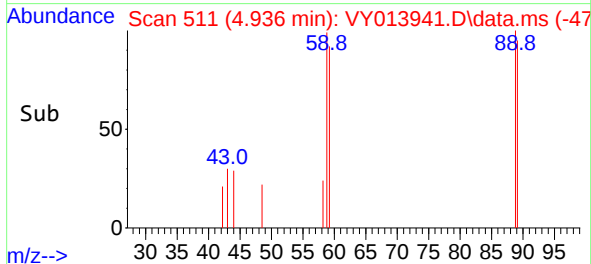
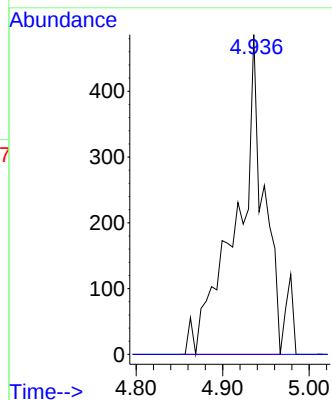
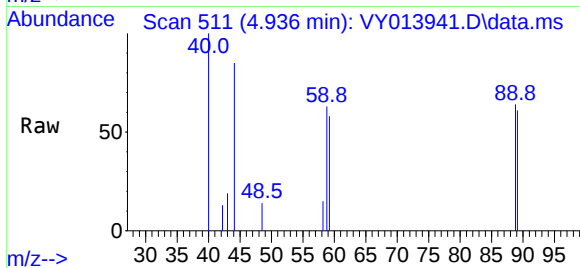
SB26RE

Tgt Ion: 59 Resp: 1053

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 1.577 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.006 min

Lab File: VY013941.D

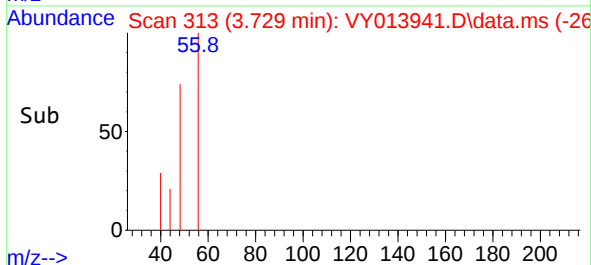
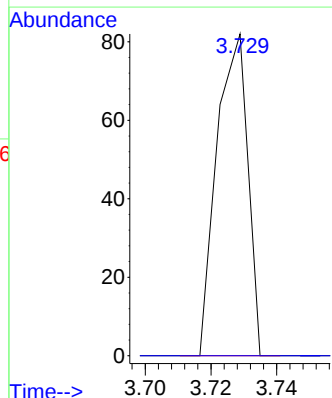
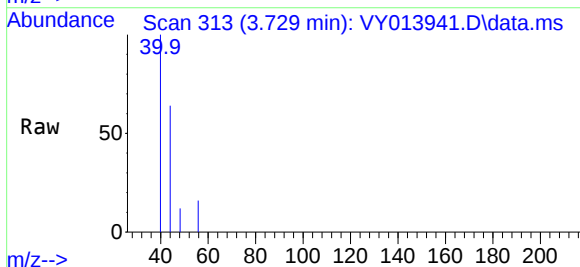
Acq: 31 May 2023 17:23

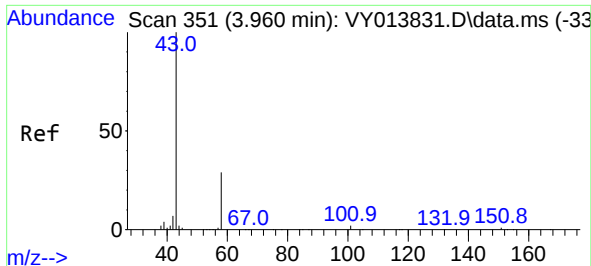
Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#

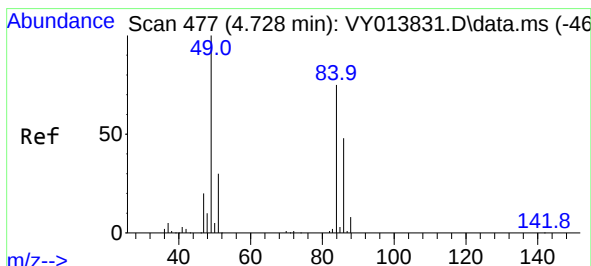
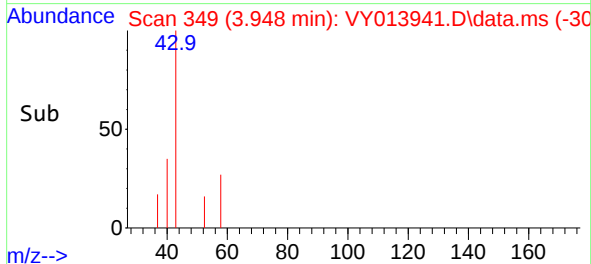
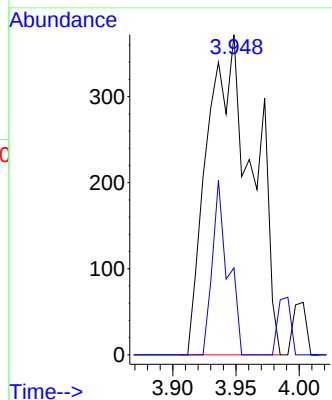
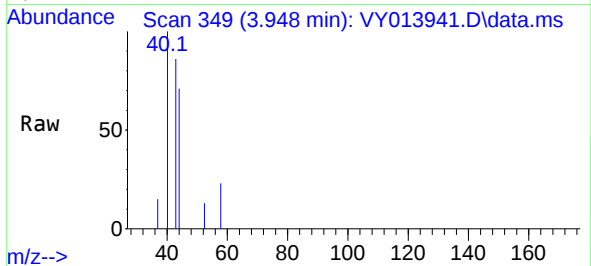




#16
Acetone
Concen: 10.838 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

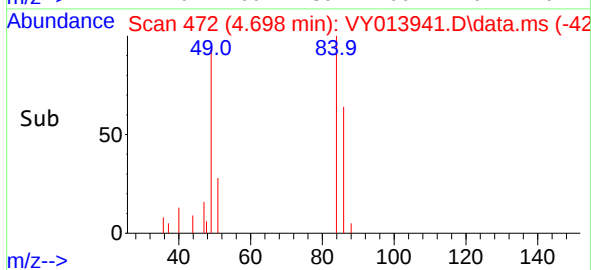
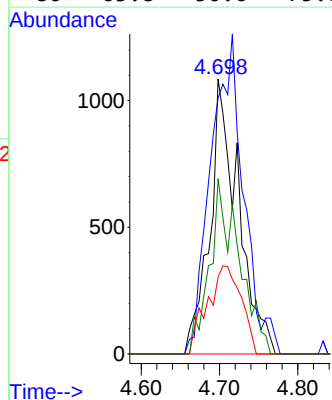
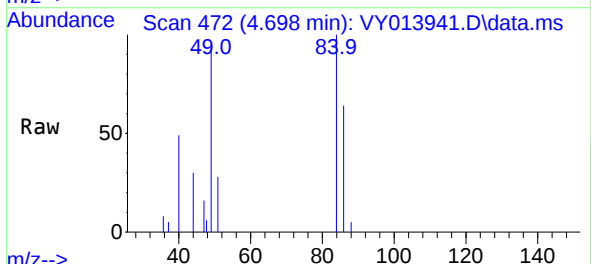
Instrument :
MSVOA_Y
ClientSampleId :
SB26RE

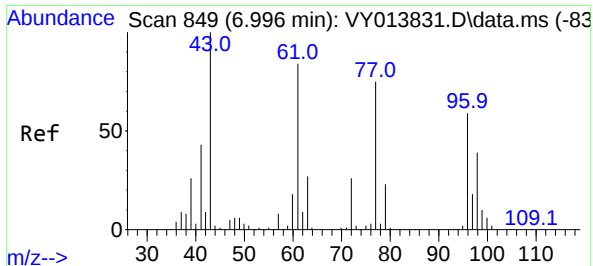
Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
58 27.2 23.3 34.9



#20
Methylene Chloride
Concen: 6.768 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.030 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

Tgt Ion: 84 Resp: 2751
Ion Ratio Lower Upper
84 100
49 93.2 106.2 159.2#
51 28.1 31.4 47.0#
86 63.8 50.6 75.8





#25

2-Butanone

Concen: 11.732 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.024 min

Lab File: VY013941.D

Acq: 31 May 2023 17:23

Instrument :

MSVOA_Y

ClientSampleId :

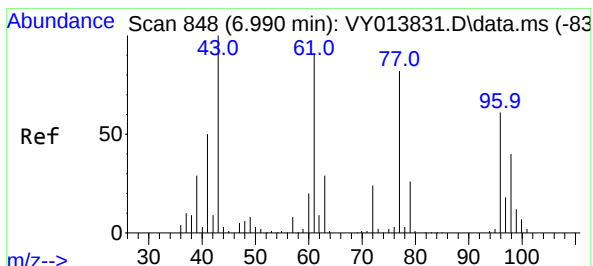
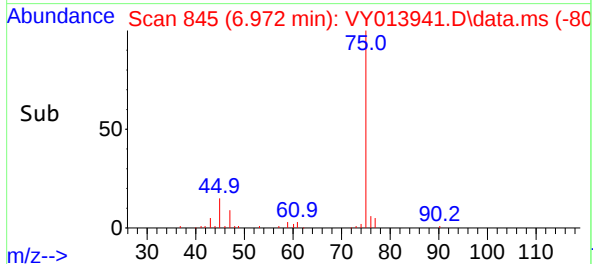
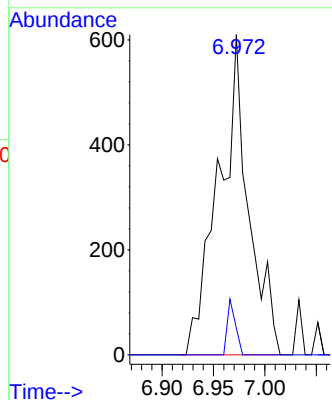
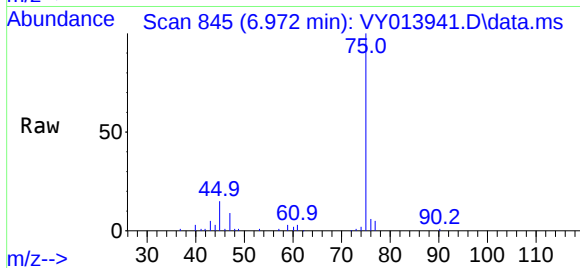
SB26RE

Tgt Ion: 43 Resp: 1239

Ion Ratio Lower Upper

43 100

72 8.4 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 3.212 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.018 min

Lab File: VY013941.D

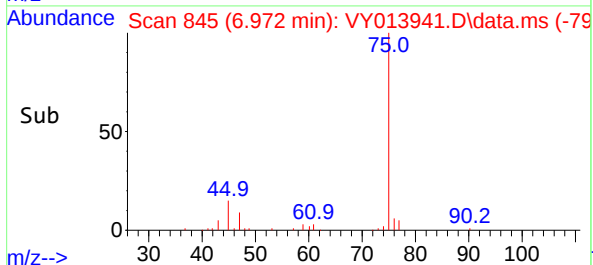
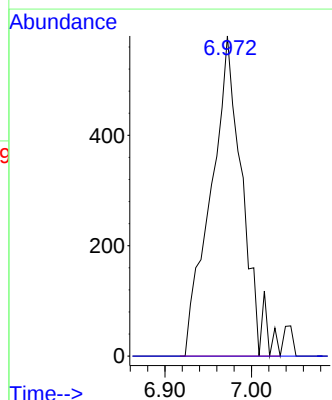
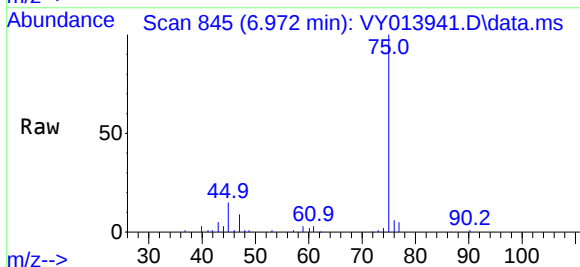
Acq: 31 May 2023 17:23

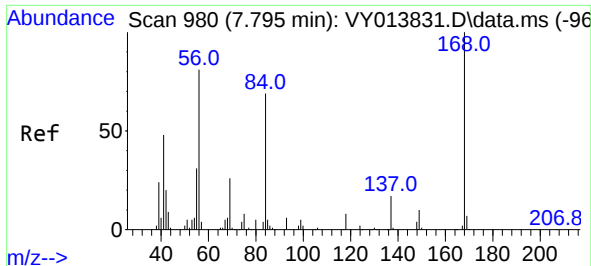
Tgt Ion: 77 Resp: 1468

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#

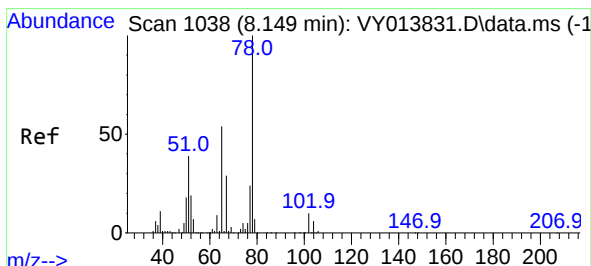
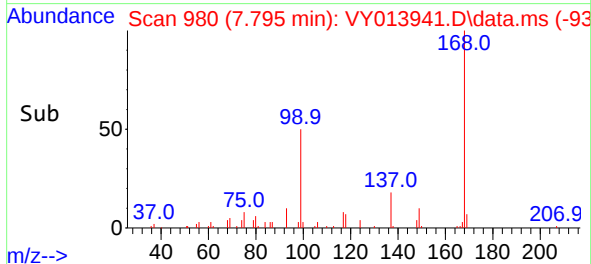
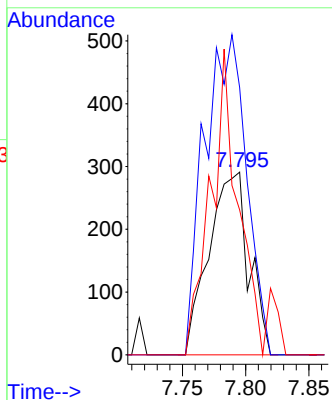
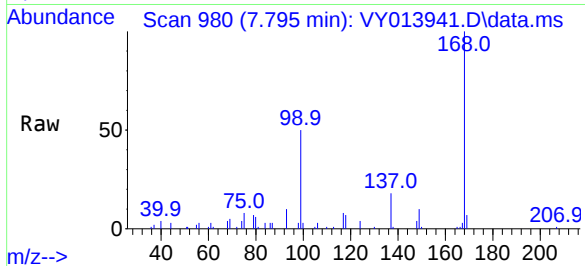




#31
Cyclohexane
Concen: 1.426 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

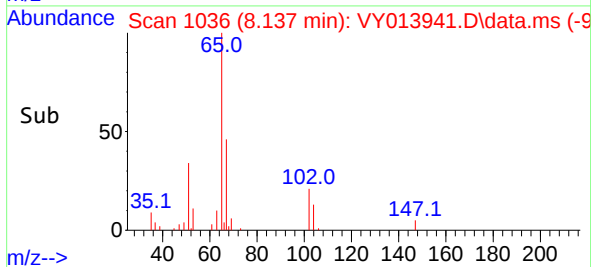
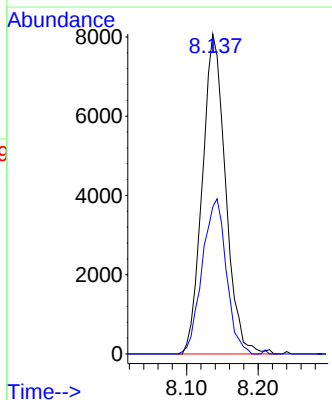
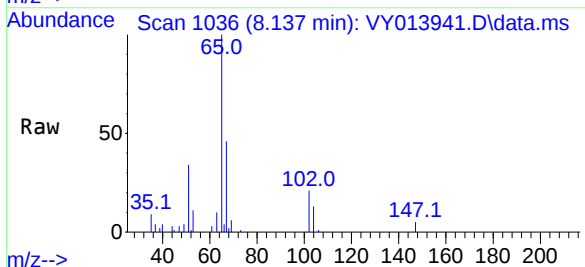
Instrument :
MSVOA_Y
ClientSampleId :
SB26RE

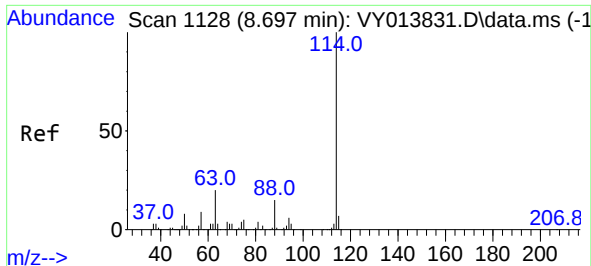
Tgt Ion: 56 Resp: 639
Ion Ratio Lower Upper
56 100
69 146.4 25.8 38.8#
84 79.4 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 62.402 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

Tgt Ion: 65 Resp: 18197
Ion Ratio Lower Upper
65 100
67 50.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VY013941.D

Acq: 31 May 2023 17:23

Instrument :

MSVOA_Y

ClientSampleId :

SB26RE

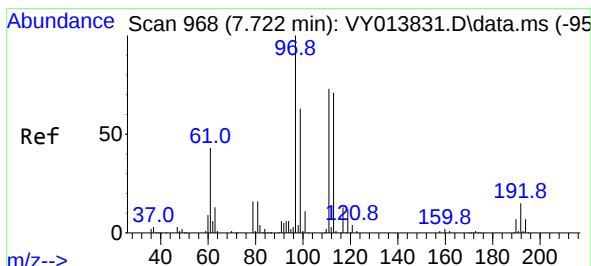
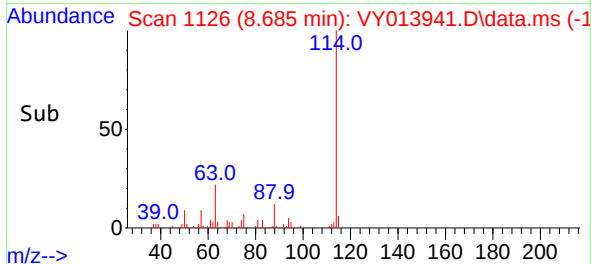
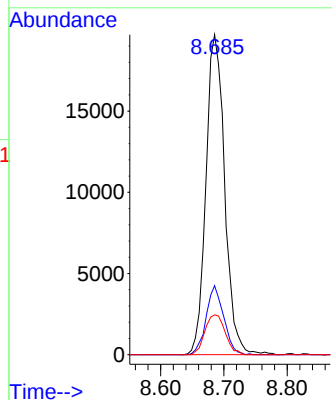
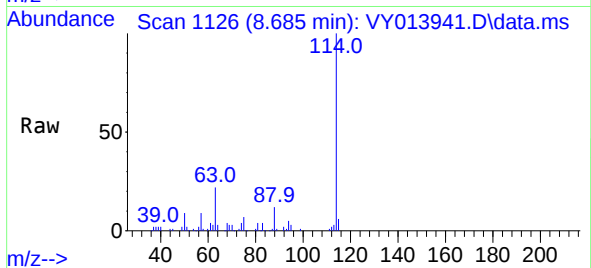
Tgt Ion:114 Resp: 40676

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.2

88 12.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.072 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.012 min

Lab File: VY013941.D

Acq: 31 May 2023 17:23

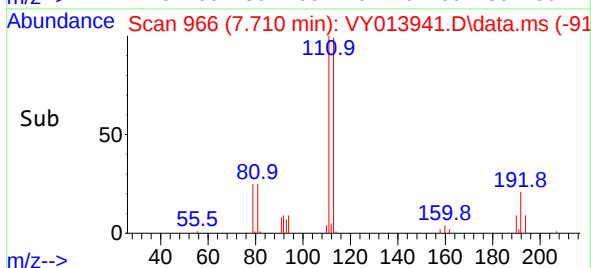
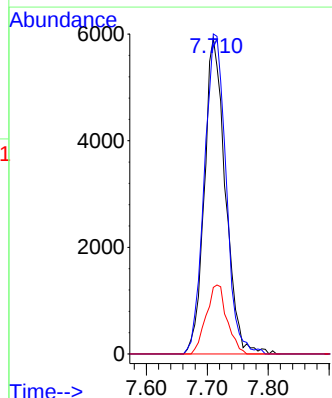
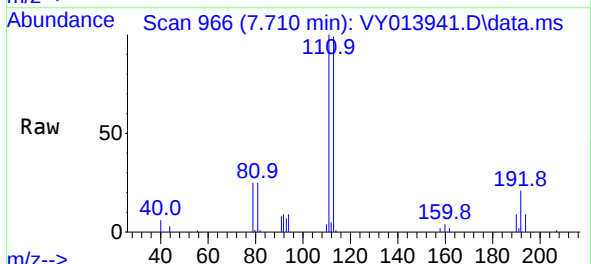
Tgt Ion:113 Resp: 14204

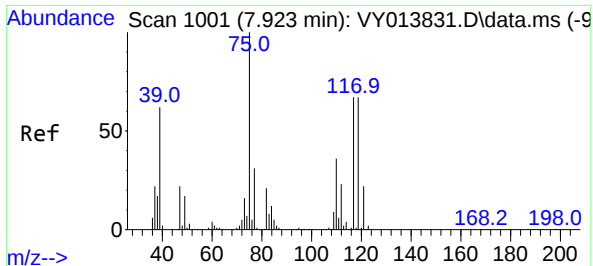
Ion Ratio Lower Upper

113 100

111 104.6 80.4 120.6

192 21.5 16.6 25.0

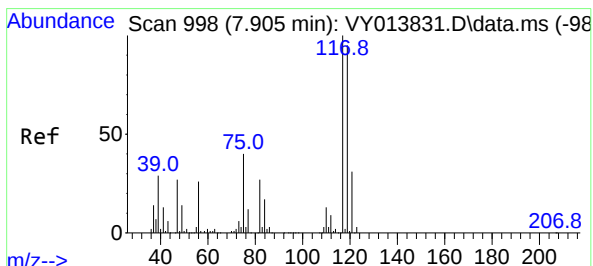
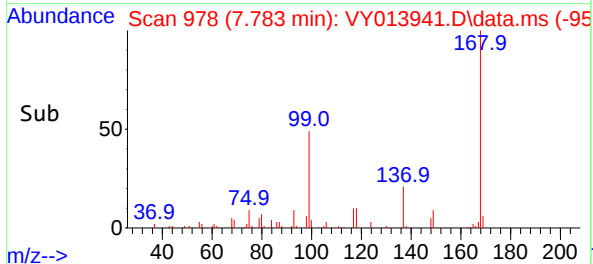
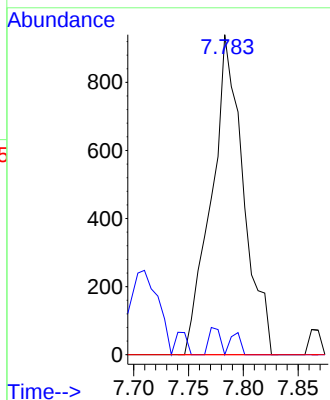
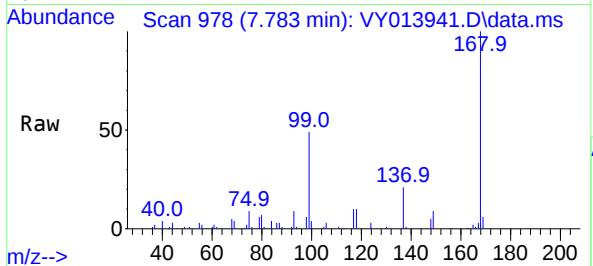




#36
1,1-Dichloropropene
Concen: 4.769 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

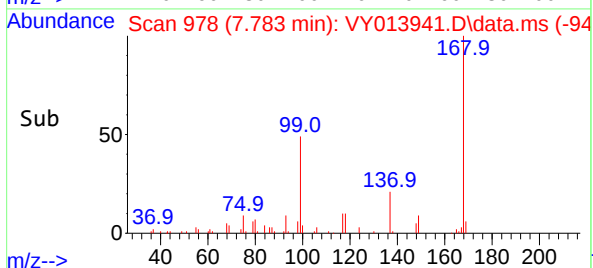
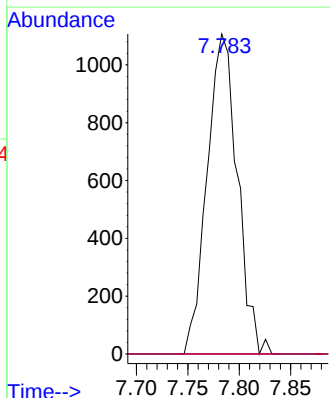
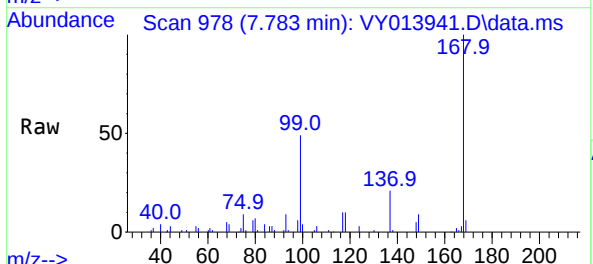
Instrument :
MSVOA_Y
ClientSampleId :
SB26RE

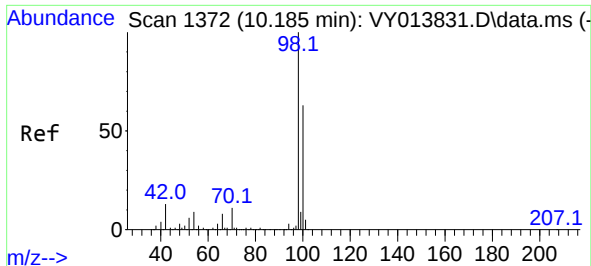
Tgt Ion: 75	Resp: 1908
Ion Ratio	Lower Upper
75	100
110	2.3 17.5 52.6#
77	0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.989 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

Tgt Ion: 117	Resp: 2270
Ion Ratio	Lower Upper
117	100
119	0.0 75.6 113.4#
121	0.0 24.8 37.2#

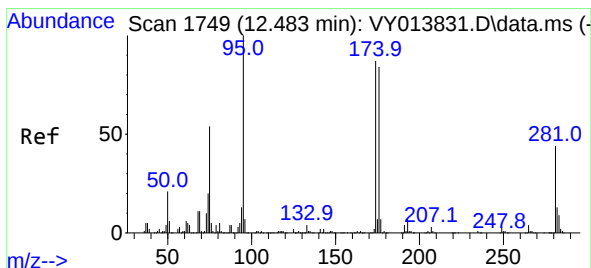
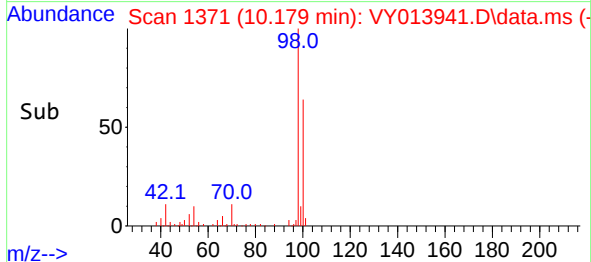
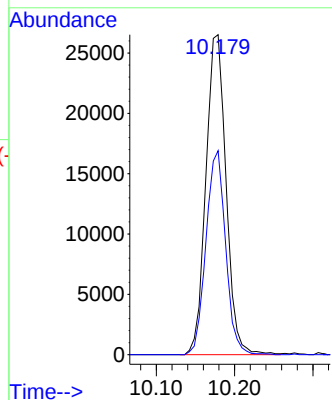
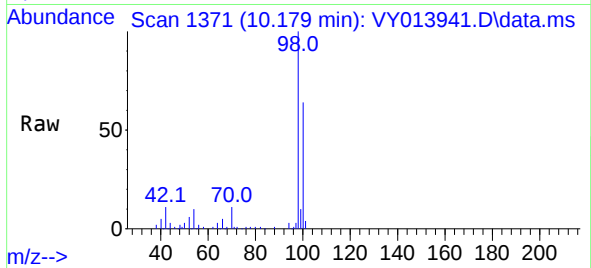




#50
Toluene-d8
Concen: 47.524 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

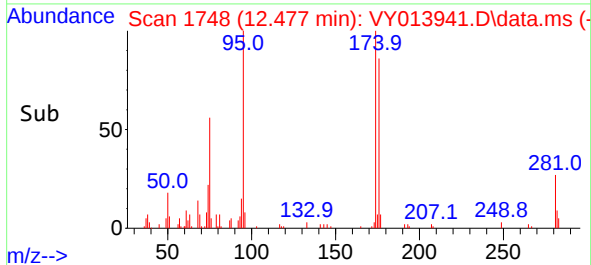
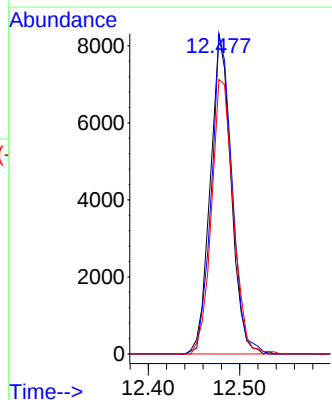
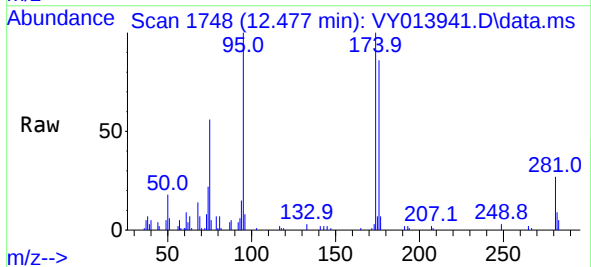
Instrument :
MSVOA_Y
ClientSampleId :
SB26RE

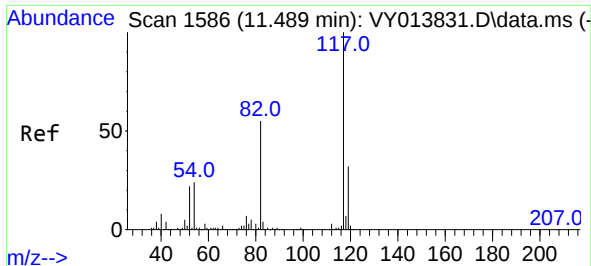
Tgt Ion: 98 Resp: 47448
Ion Ratio Lower Upper
98 100
100 62.0 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 39.417 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

Tgt Ion: 95 Resp: 13081
Ion Ratio Lower Upper
95 100
174 99.1 0.0 176.0
176 90.1 0.0 170.2

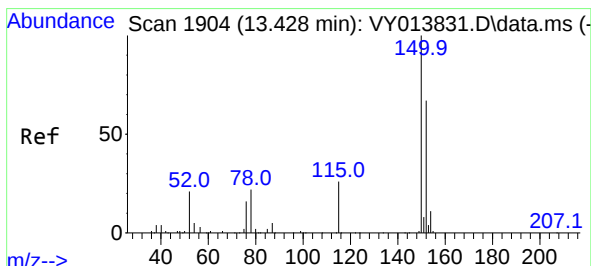
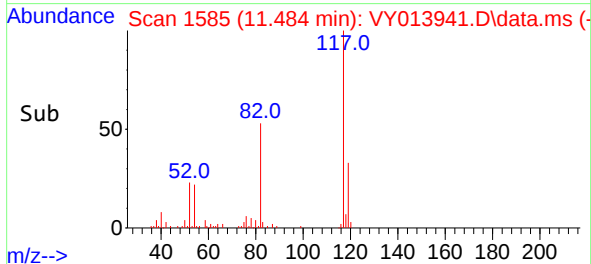
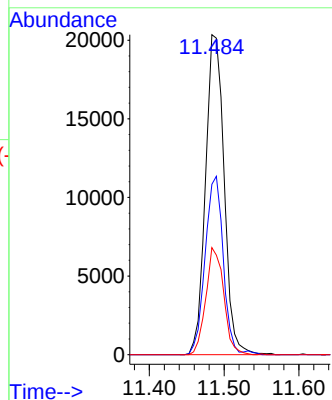
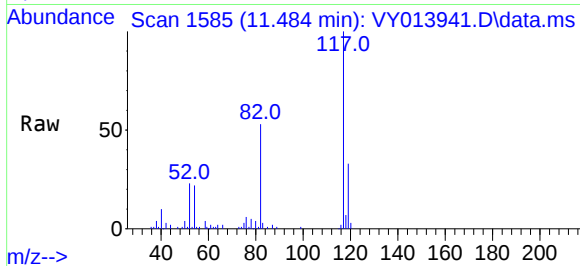




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

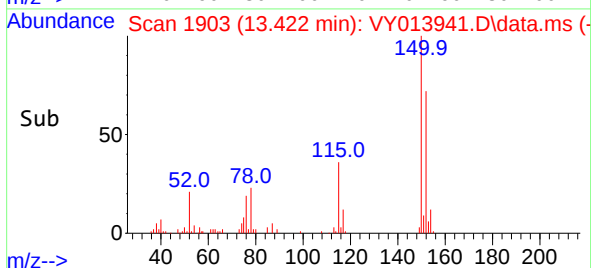
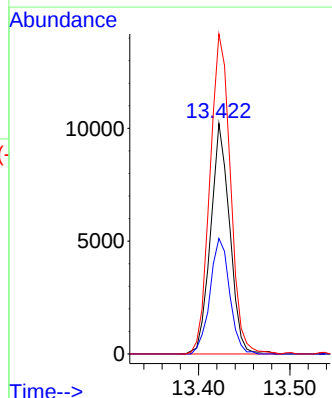
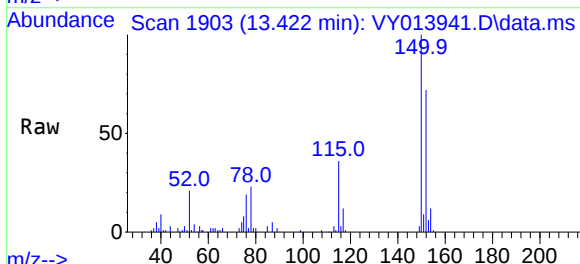
Instrument :
MSVOA_Y
ClientSampleId :
SB26RE

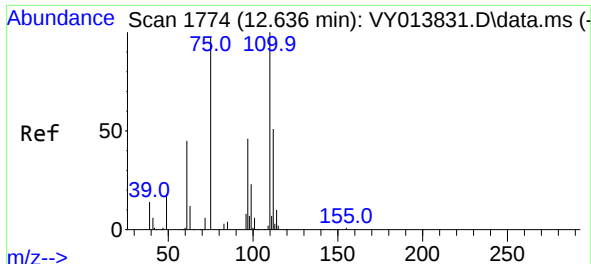
Tgt Ion:	117	Resp:	35284
Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.2	66.4
119	33.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

Tgt Ion:	152	Resp:	14781
Ion	Ratio	Lower	Upper
152	100		
115	51.6	28.8	86.5
150	149.2	0.0	353.4

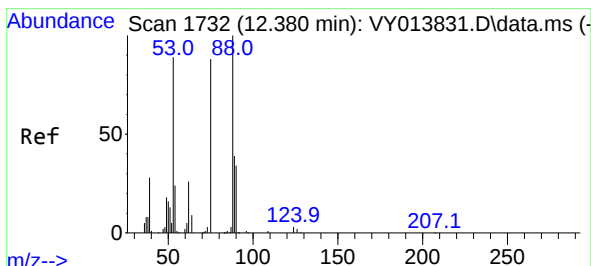
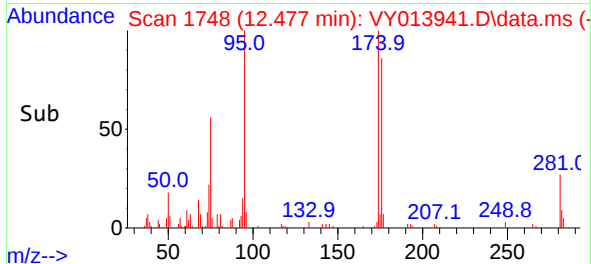
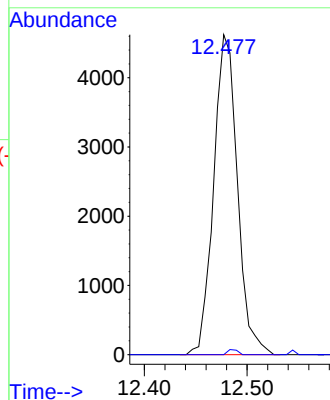
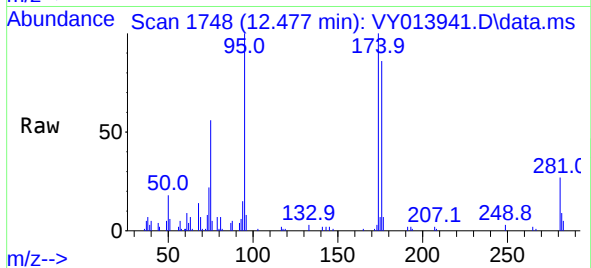




#76
1,2,3-Trichloropropane
Concen: 42.527 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

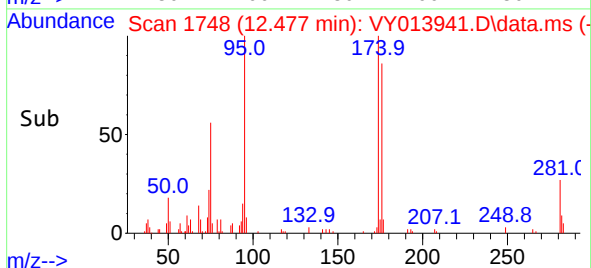
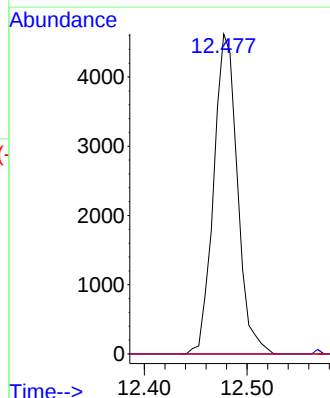
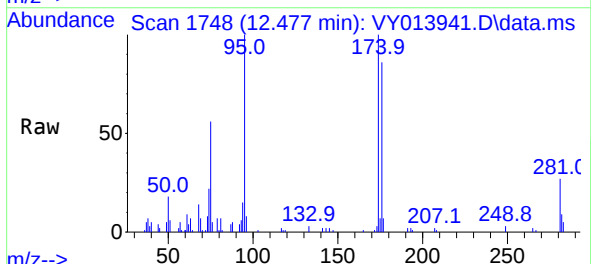
Instrument :
MSVOA_Y
ClientSampleId :
SB26RE

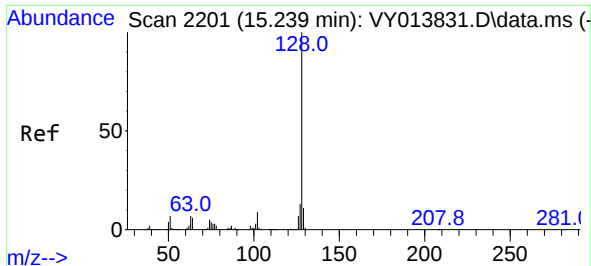
Tgt Ion: 75 Resp: 7412
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.314 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

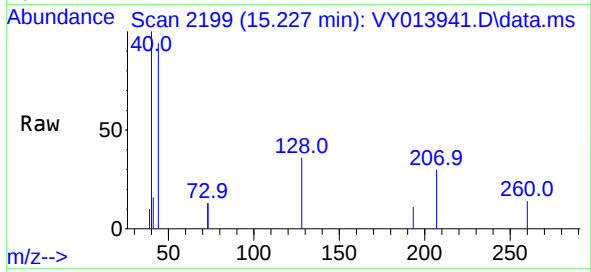
Tgt Ion: 75 Resp: 7412
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#





#95
Naphthalene
Concen: 4.948 ug/l
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY013941.D
Acq: 31 May 2023 17:23

Instrument :
MSVOA_Y
ClientSampleId :
SB26RE



Tgt Ion:	128	Resp:	277
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.4#

