

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010123.D
 Acq On : 20 Aug 2022 00:05
 Operator : KP/MD
 Sample : N4219-01
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PX-1

Quant Time: Aug 22 02:49:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	166255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	319190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	318698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155878	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	90859	66.721	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.440%
35) Dibromofluoromethane	7.710	113	89266	49.631	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.260%
50) Toluene-d8	10.179	98	330083	48.978	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.960%
62) 4-Bromofluorobenzene	12.477	95	115523	47.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.960%

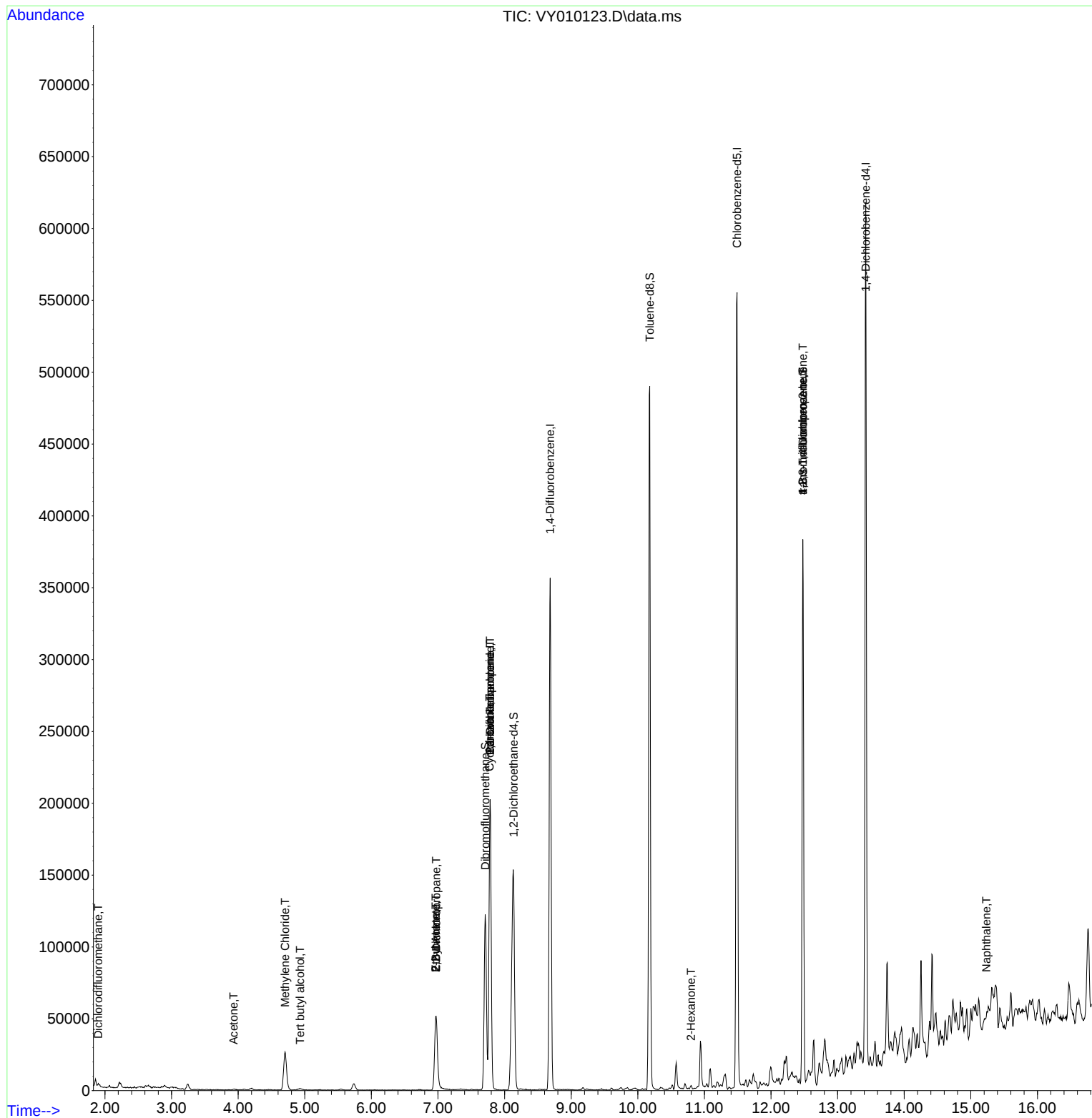
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	1548	1.249	ug/l	93
11) Tert butyl alcohol	4.930	59	1068	17.703	ug/l #	73
16) Acetone	3.930	43	1124	3.298	ug/l	96
20) Methylene Chloride	4.704	84	20412	2.944	ug/l	97
25) 2-Butanone	6.966	43	2735	4.989	ug/l #	84
26) 2,2-Dichloropropane	6.972	77	4100	1.597	ug/l #	50
31) Cyclohexane	7.777	56	3168	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	12466	4.342	ug/l #	48
37) Ethyl Acetate	6.966	43	2735	1.876	ug/l #	1
38) Carbon Tetrachloride	7.783	117	15198	5.048	ug/l #	17
59) 2-Hexanone	10.801	43	1137	1.165	ug/l #	21
76) 1,2,3-Trichloropropane	12.477	75	56547	38.735	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56547	77.800	ug/l #	18
95) Naphthalene	15.233	128	3048	4.366	ug/l #	69

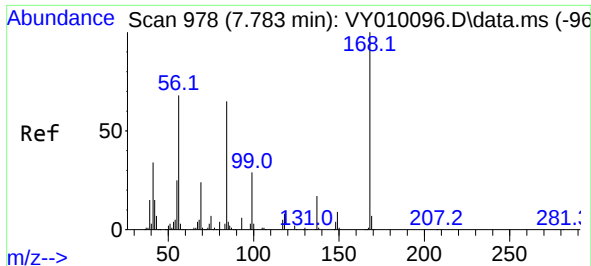
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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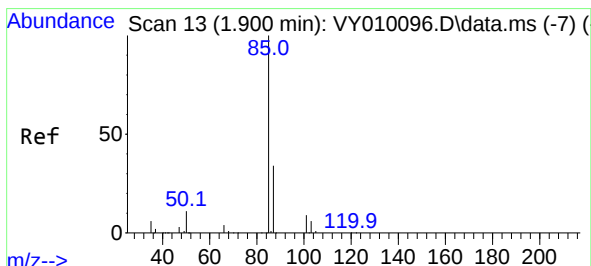
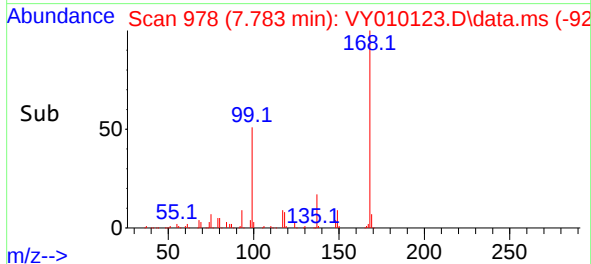
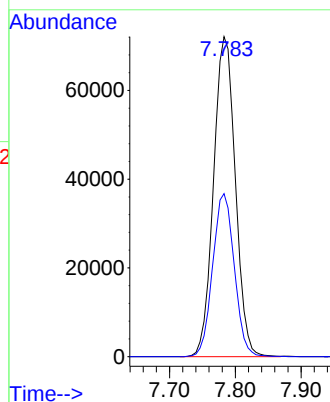
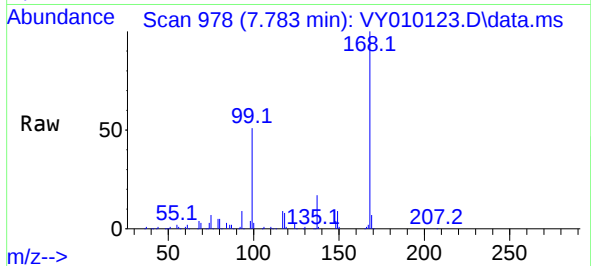




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

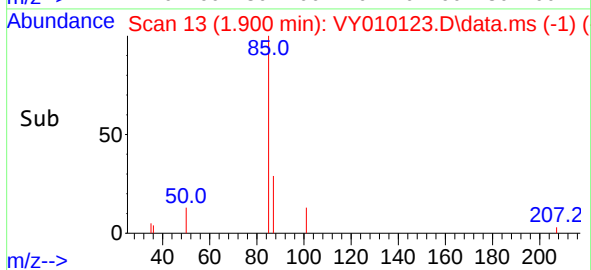
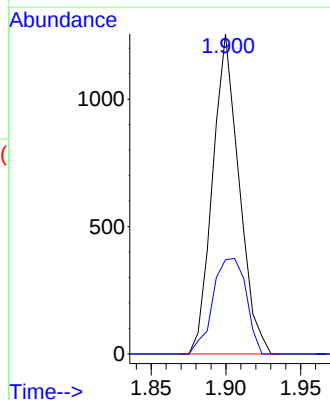
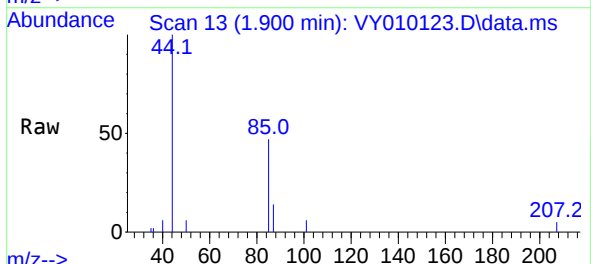
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

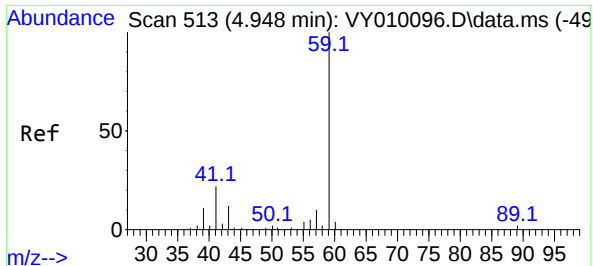
Tgt Ion:168 Resp: 166255
Ion Ratio Lower Upper
168 100
99 51.0 40.7 61.1



#2
Dichlorodifluoromethane
Concen: 1.249 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Tgt Ion: 85 Resp: 1548
Ion Ratio Lower Upper
85 100
87 29.5 16.8 50.4





#11

Tert butyl alcohol

Concen: 17.703 ug/l

RT: 4.930 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY010123.D

Acq: 20 Aug 2022 00:05

Instrument :

MSVOA_Y

ClientSampleId :

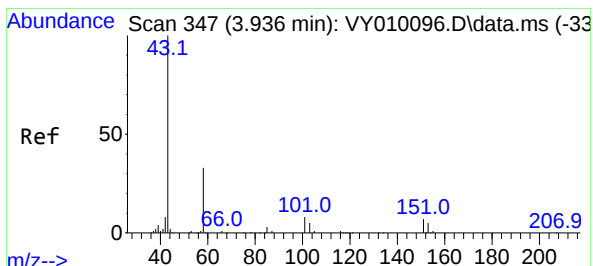
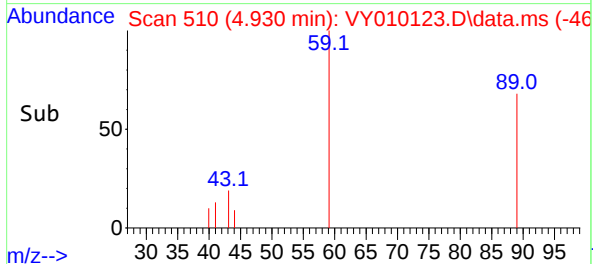
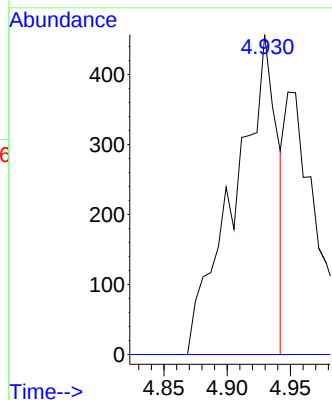
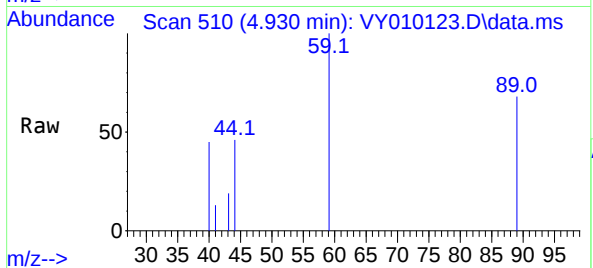
PX-1

Tgt Ion: 59 Resp: 1068

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 3.298 ug/l

RT: 3.930 min Scan# 346

Delta R.T. -0.006 min

Lab File: VY010123.D

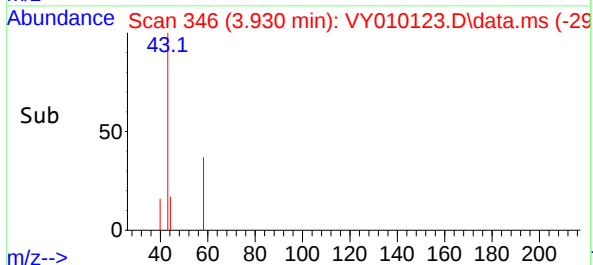
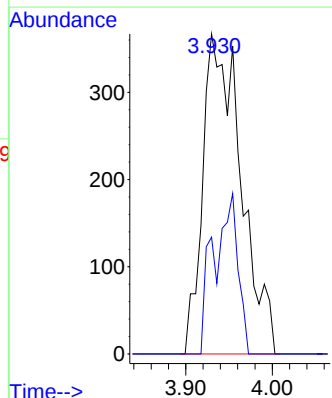
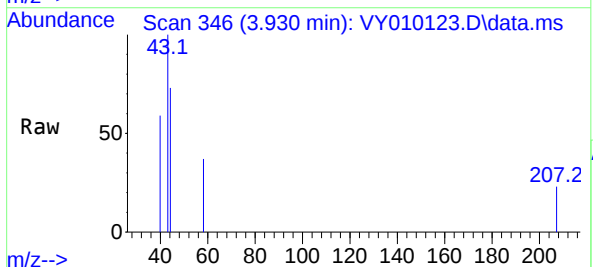
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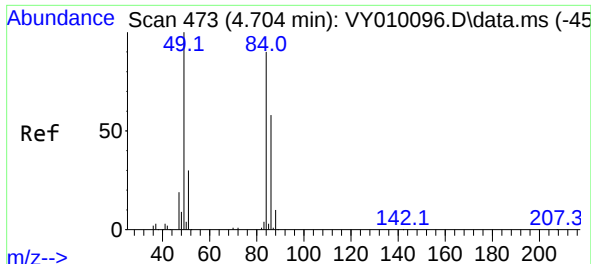
Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

43 100

58 36.5 27.4 41.0



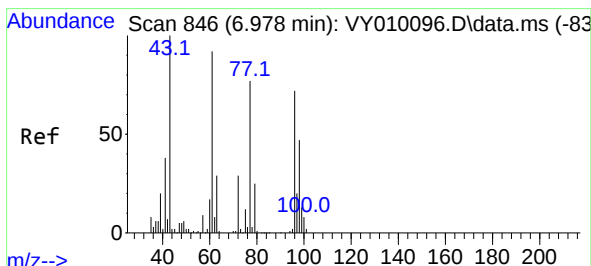
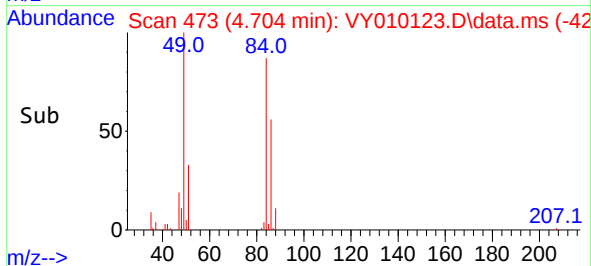
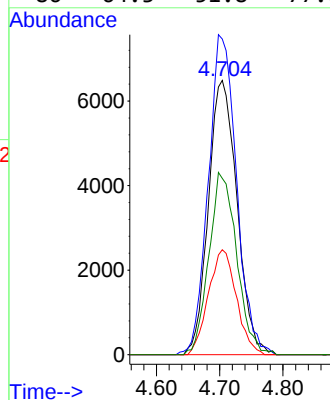
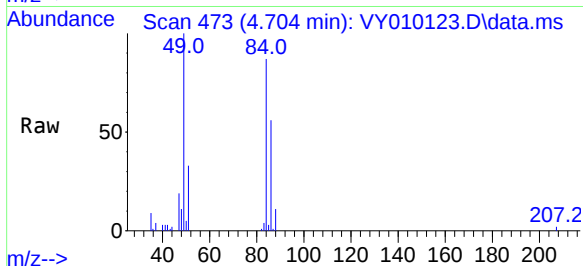


#20
Methylene Chloride
Concen: 2.944 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Instrument :
MSVOA_Y
ClientSampleId :
PX-1

Tgt Ion: 84 Resp: 20412

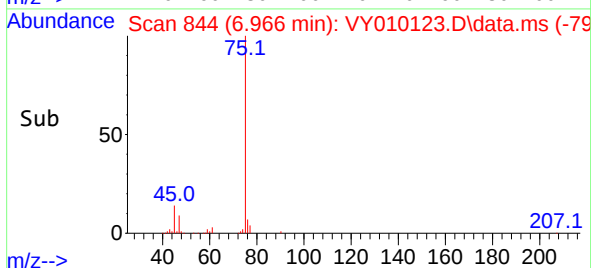
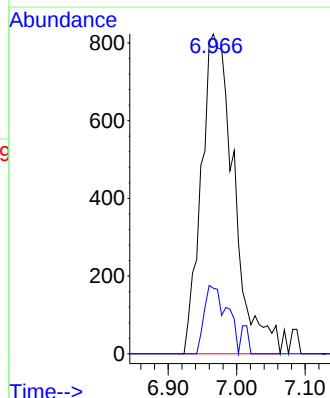
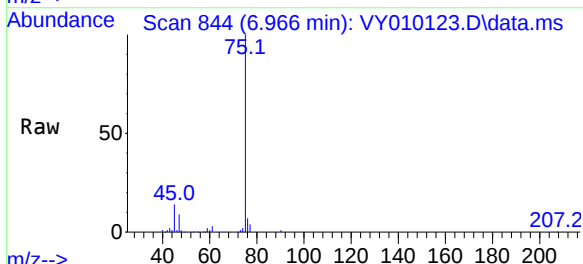
Ion	Ratio	Lower	Upper
84	100		
49	115.1	89.0	133.4
51	38.3	27.0	40.6
86	64.3	51.8	77.6

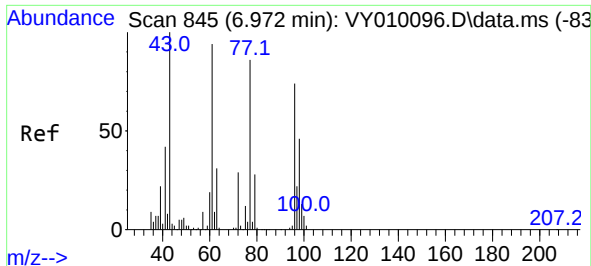


#25
2-Butanone
Concen: 4.989 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Tgt Ion: 43 Resp: 2735

Ion	Ratio	Lower	Upper
43	100		
72	20.5	23.2	34.8#





#26

2,2-Dichloropropane

Concen: 1.597 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010123.D

Acq: 20 Aug 2022 00:05

Instrument :

MSVOA_Y

ClientSampleId :

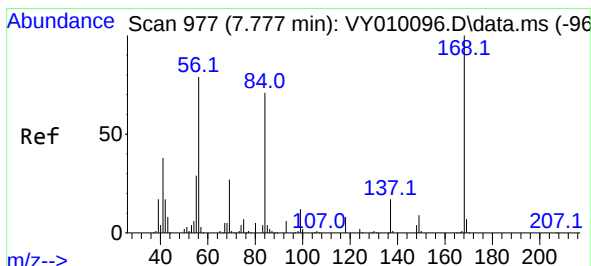
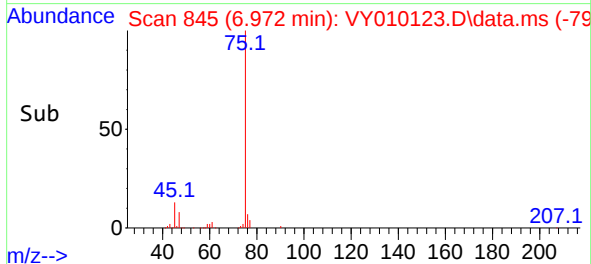
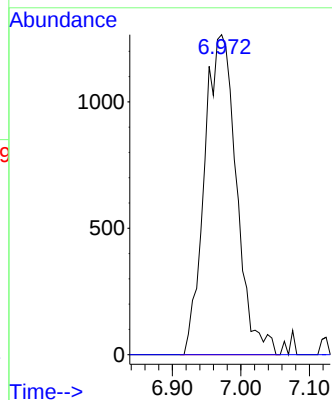
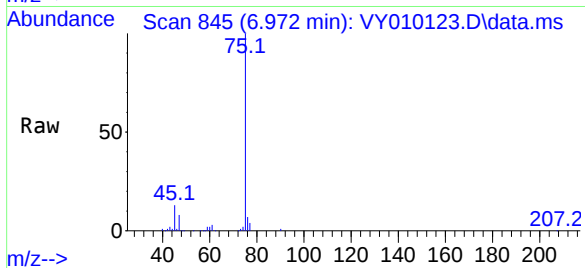
PX-1

Tgt Ion: 77 Resp: 4100

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#



#31

Cyclohexane

Concen: 1.135 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010123.D

Acq: 20 Aug 2022 00:05

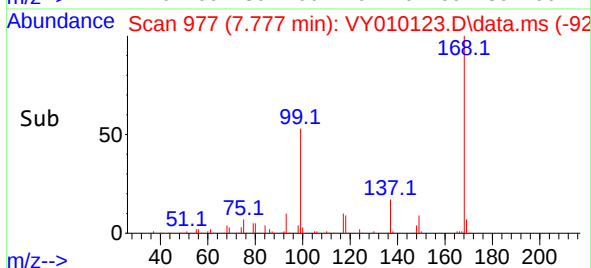
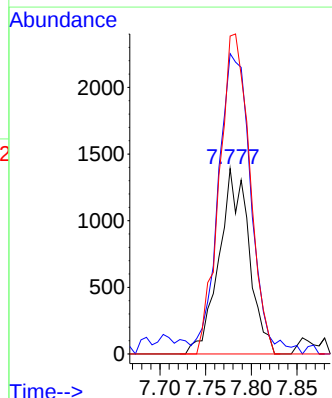
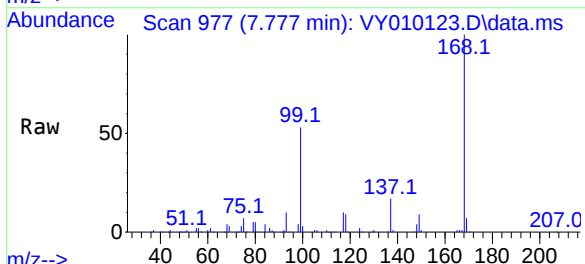
Tgt Ion: 56 Resp: 3168

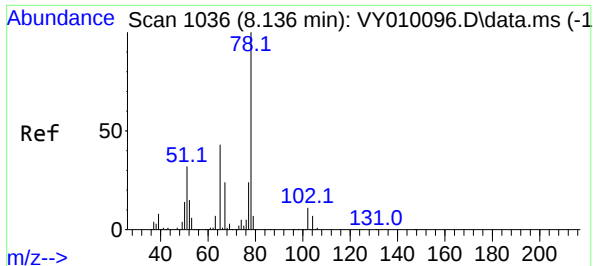
Ion Ratio Lower Upper

56 100

69 154.5 27.3 40.9#

84 171.3 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 66.721 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010123.D

Acq: 20 Aug 2022 00:05

Instrument :

MSVOA_Y

ClientSampleId :

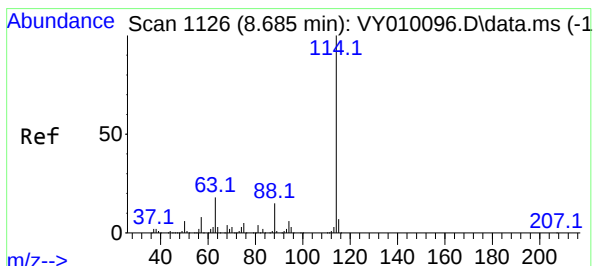
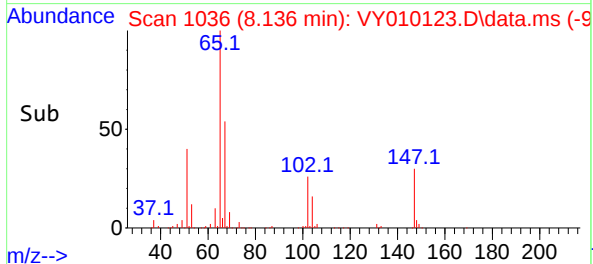
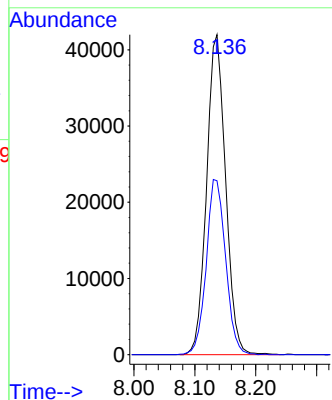
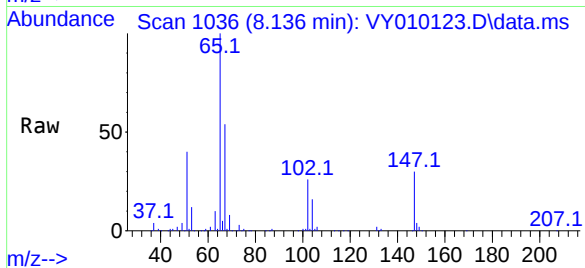
PX-1

Tgt Ion: 65 Resp: 90859

Ion Ratio Lower Upper

65 100

67 55.9 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010123.D

Acq: 20 Aug 2022 00:05

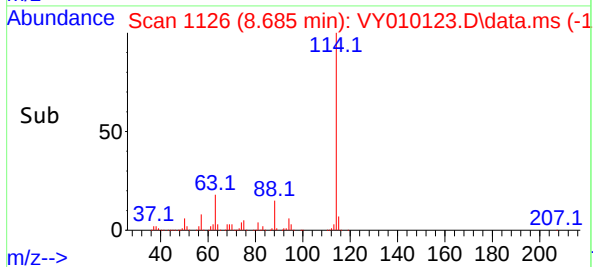
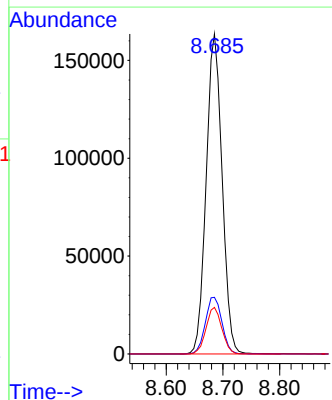
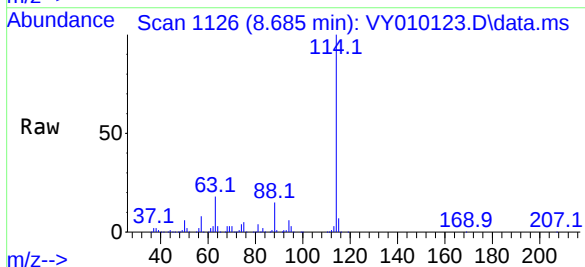
Tgt Ion: 114 Resp: 319190

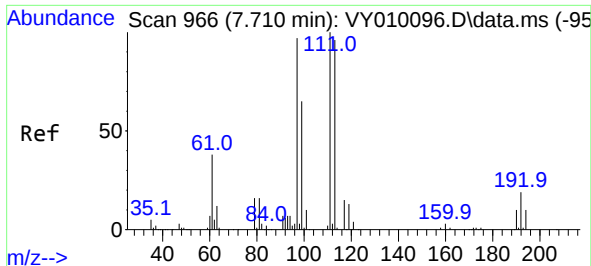
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

88 14.5 0.0 29.6

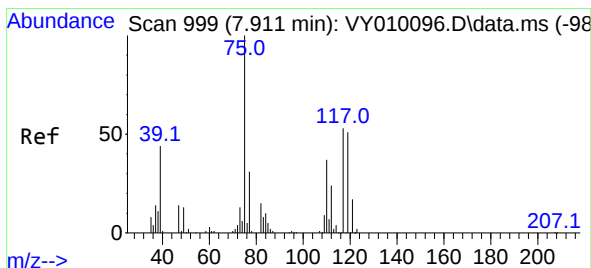
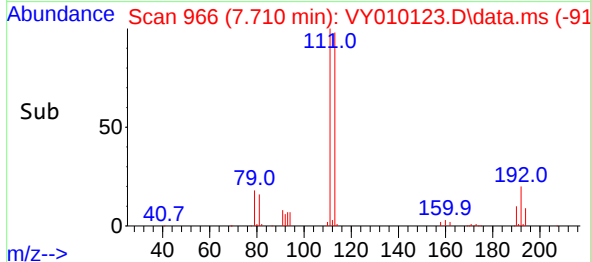
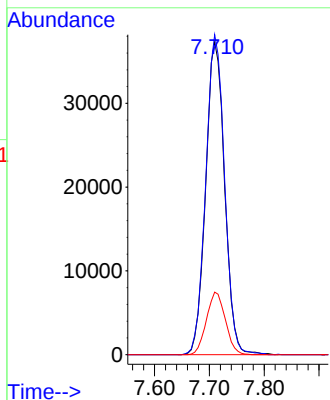
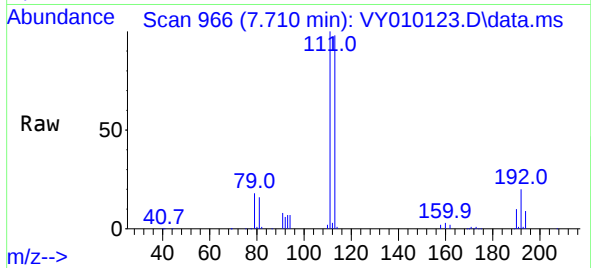




#35
Dibromofluoromethane
Concen: 49.631 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

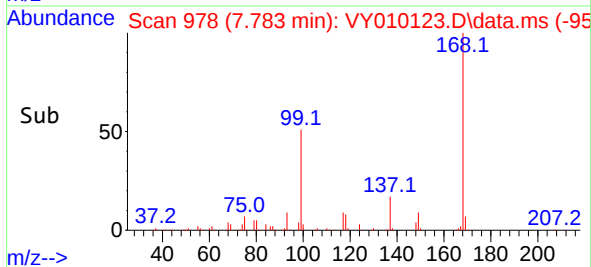
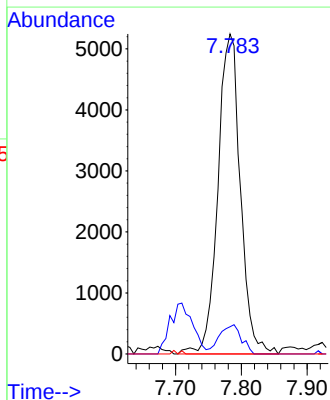
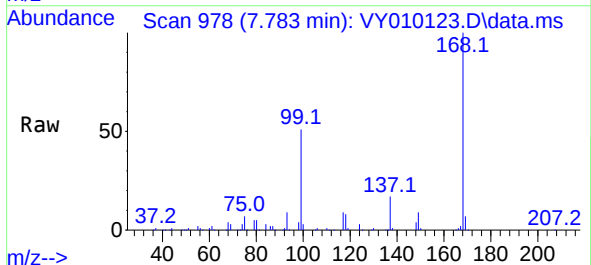
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

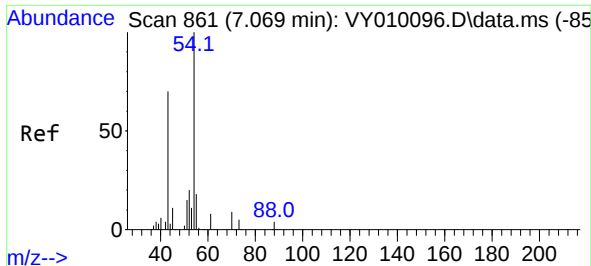
Tgt Ion:	113	Resp:	89266
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.8	124.2
192	20.0	16.3	24.5



#36
1,1-Dichloropropene
Concen: 4.342 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Tgt Ion:	75	Resp:	12466
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.6	56.0#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 1.876 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY010123.D

Acq: 20 Aug 2022 00:05

Instrument :

MSVOA_Y

ClientSampleId :

PX-1

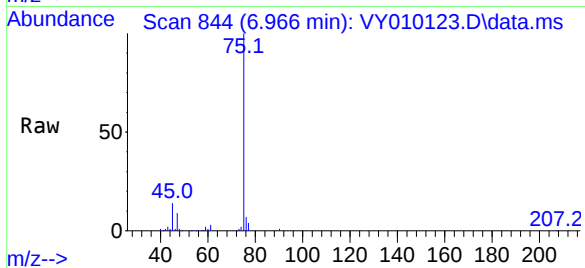
Tgt Ion: 43 Resp: 2735

Ion Ratio Lower Upper

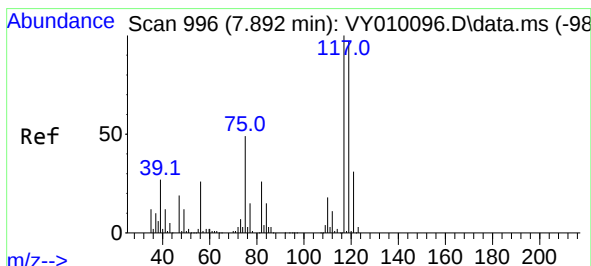
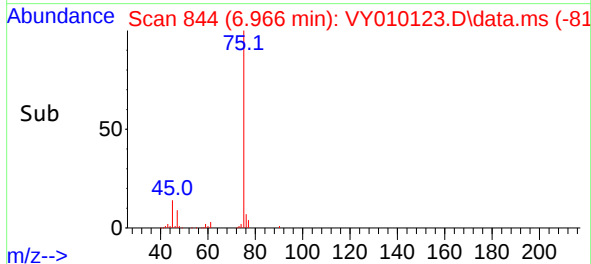
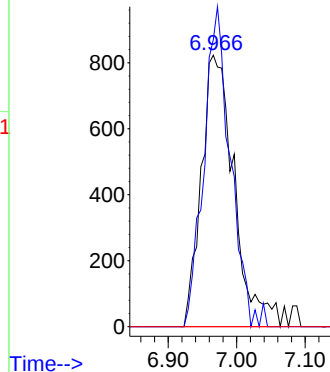
43 100

61 94.1 11.7 17.5#

70 0.0 9.0 13.4#



Abundance



#38

Carbon Tetrachloride

Concen: 5.048 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY010123.D

Acq: 20 Aug 2022 00:05

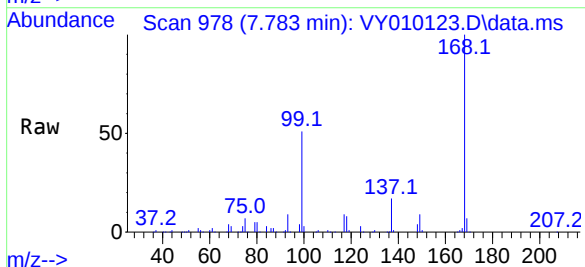
Tgt Ion: 117 Resp: 15198

Ion Ratio Lower Upper

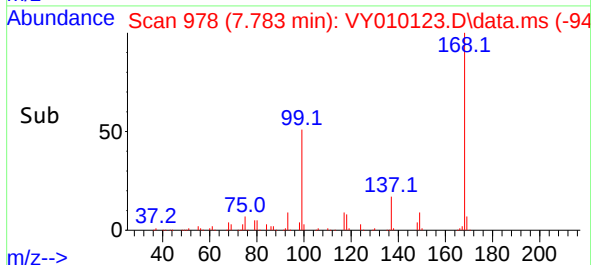
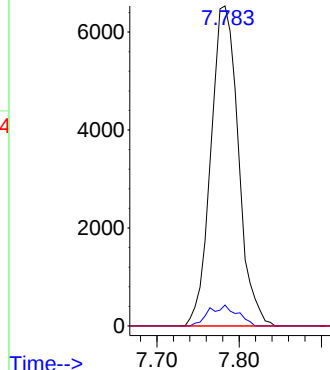
117 100

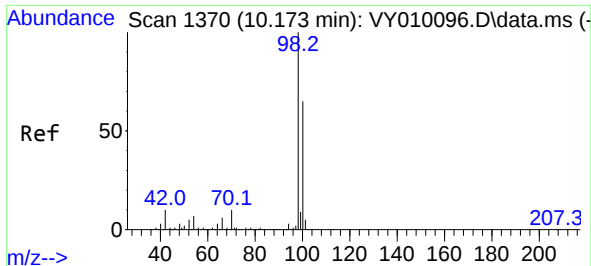
119 6.6 77.1 115.7#

121 0.0 24.7 37.1#



Abundance

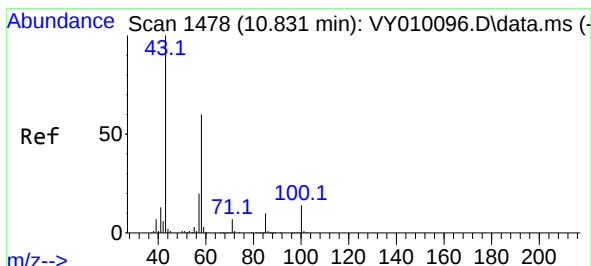
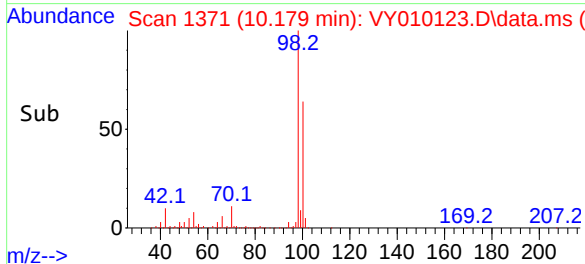
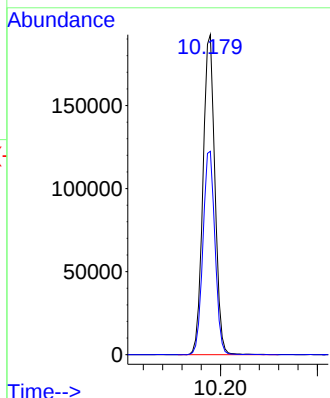
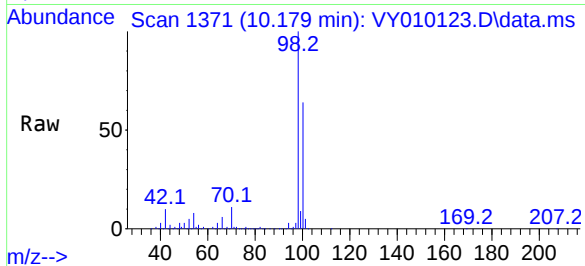




#50
Toluene-d8
Concen: 48.978 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

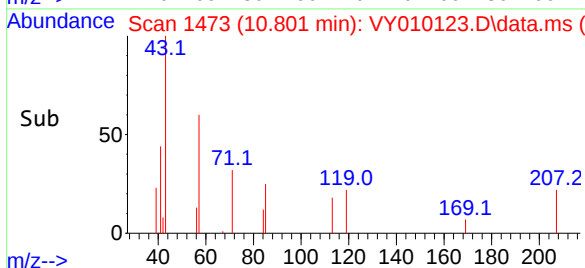
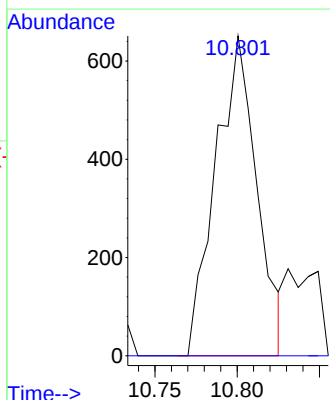
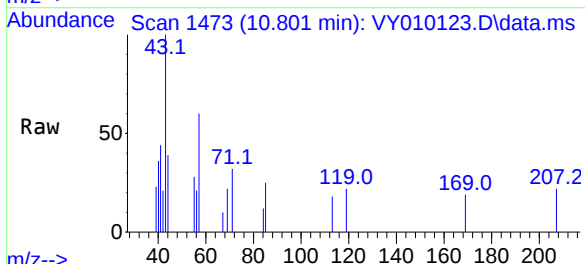
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

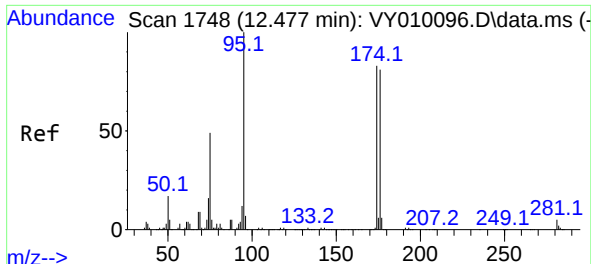
Tgt Ion: 98 Resp: 330083
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#59
2-Hexanone
Concen: 1.165 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Tgt Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
58 0.0 29.3 88.0#

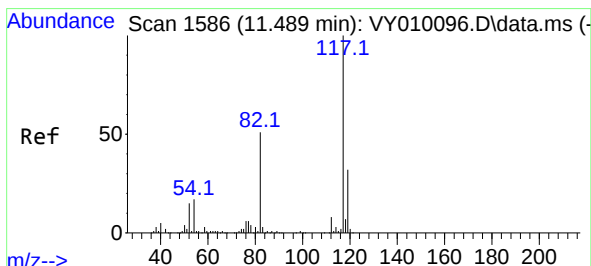
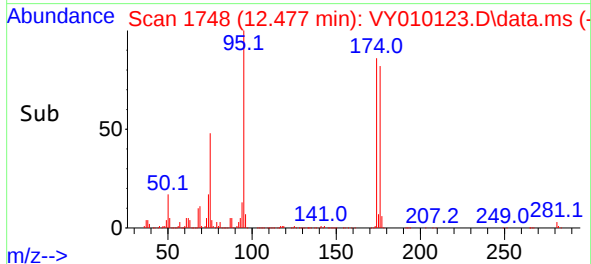
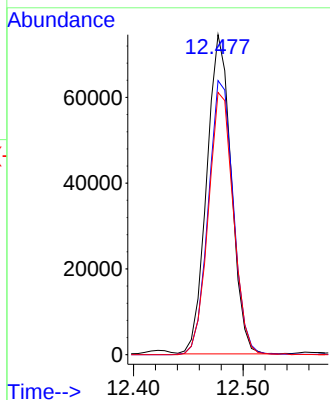
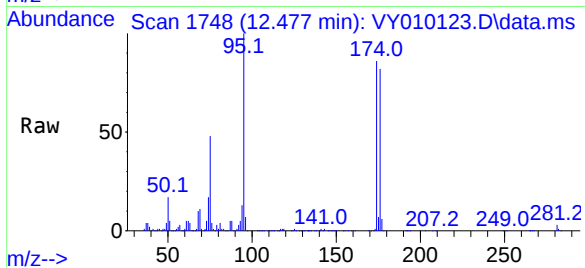




#62
4-Bromofluorobenzene
Concen: 47.976 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

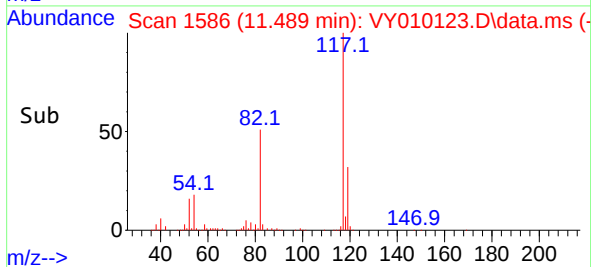
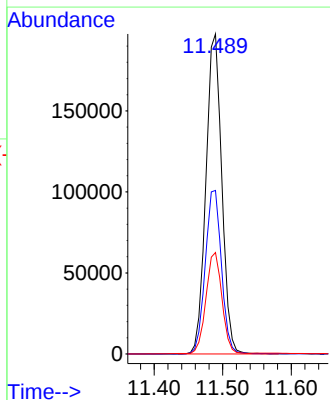
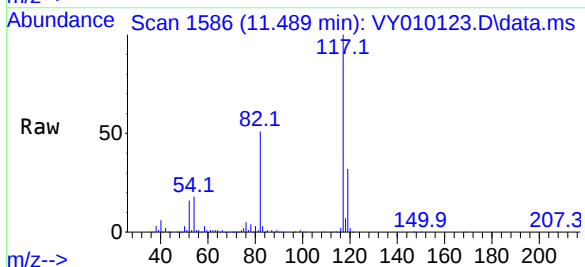
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

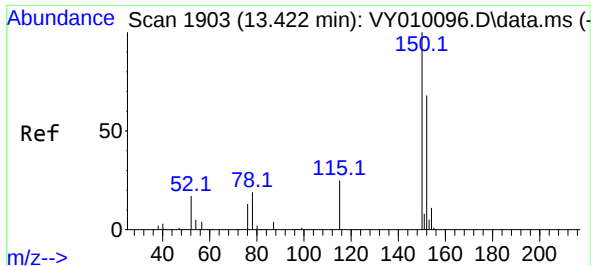
Tgt Ion: 95 Resp: 115523
Ion Ratio Lower Upper
95 100
174 87.7 0.0 173.8
176 83.8 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Tgt Ion: 117 Resp: 318698
Ion Ratio Lower Upper
117 100
82 51.1 40.6 61.0
119 31.6 25.8 38.8

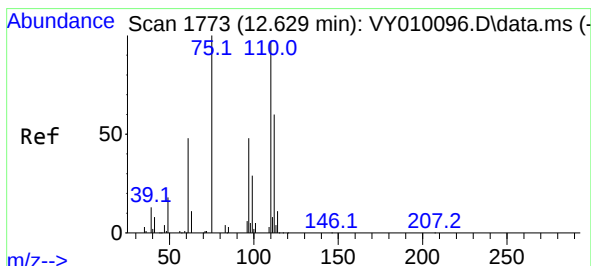
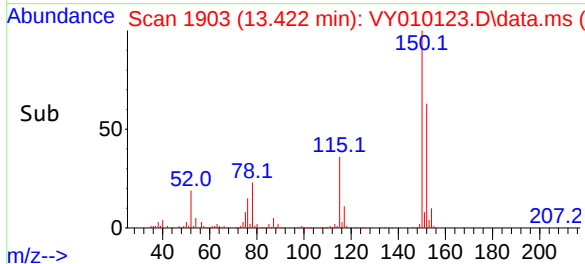
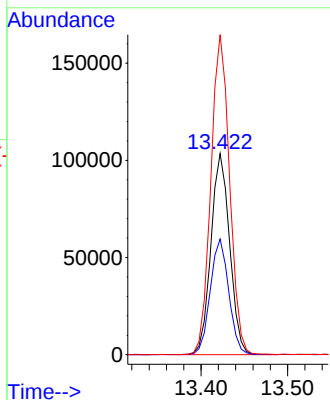
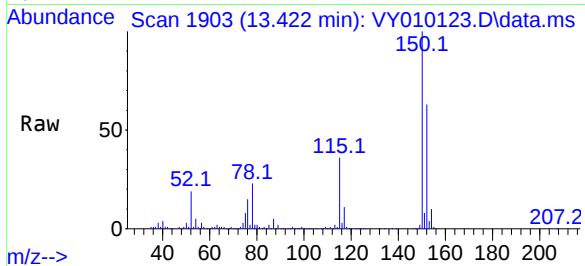




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

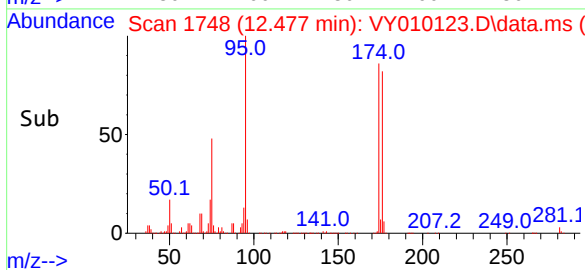
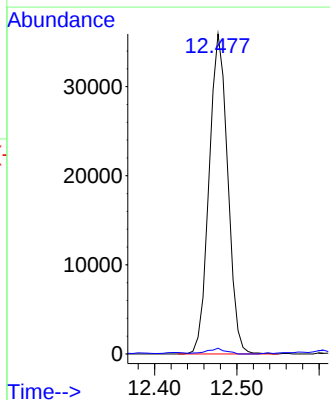
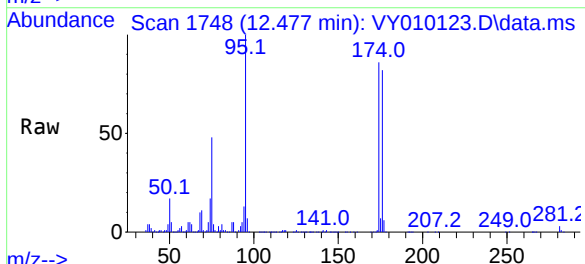
Instrument :
MSVOA_Y
ClientSampleId :
PX-1

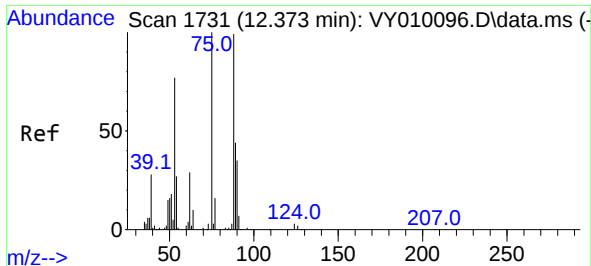
Tgt Ion:152 Resp: 155878
Ion Ratio Lower Upper
152 100
115 56.9 28.1 84.2
150 158.7 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 38.735 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Tgt Ion: 75 Resp: 56547
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

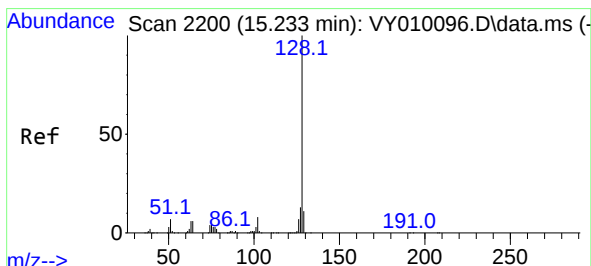
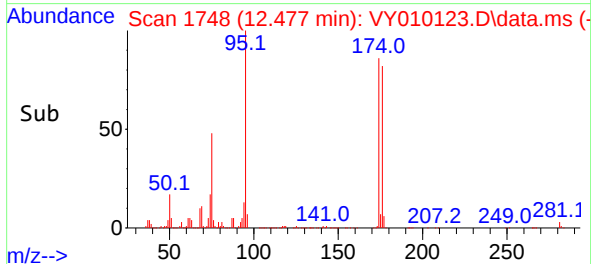
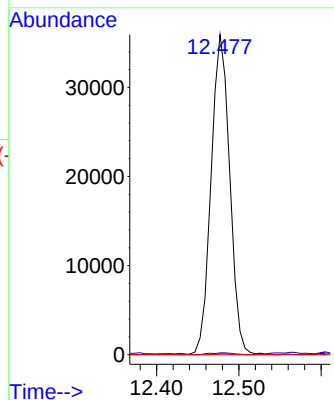
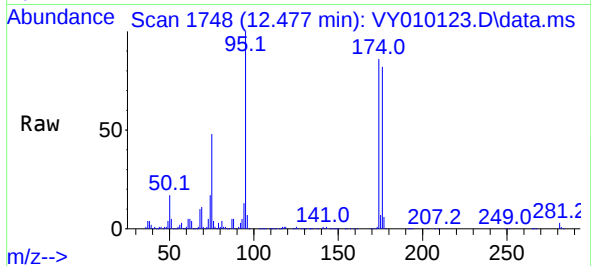




#81
trans-1,4-Dichloro-2-butene
Concen: 77.800 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Instrument :
MSVOA_Y
ClientSampleId :
PX-1

Tgt Ion: 75 Resp: 56547
Ion Ratio Lower Upper
75 100
53 0.7 62.6 94.0#
89 0.2 36.8 55.2#



#95
Naphthalene
Concen: 4.366 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010123.D
Acq: 20 Aug 2022 00:05

Tgt Ion:128 Resp: 3048
Ion Ratio Lower Upper
128 100
127 34.0 10.2 15.2#
129 9.4 8.9 13.3

