

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091422\
 Data File : VY010482.D
 Acq On : 14 Sep 2022 14:02
 Operator : KP/MD
 Sample : N4572-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PSC-164718

Quant Time: Sep 14 15:08:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

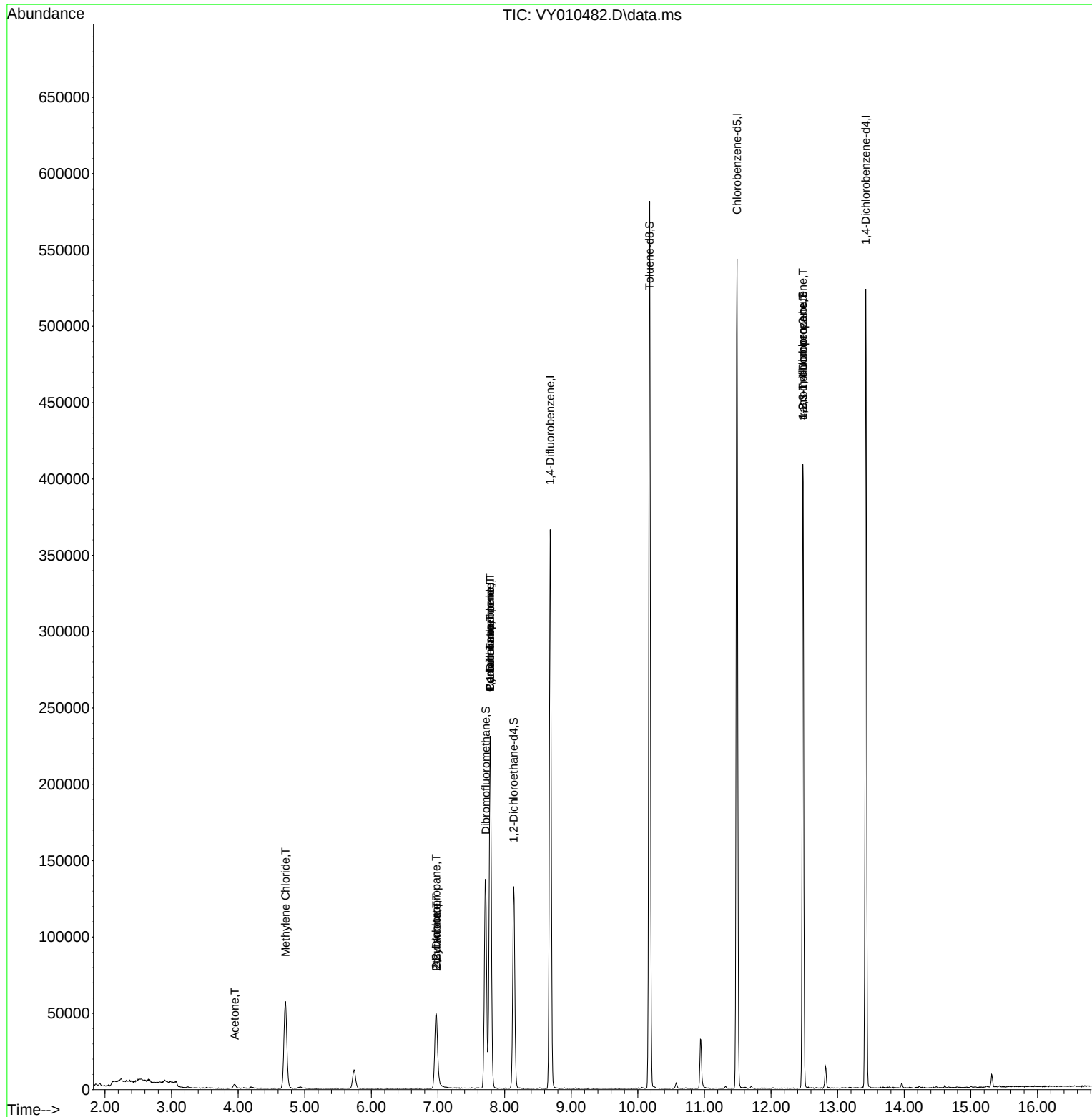
Internal Standards						
1) Pentafluorobenzene	7.783	168	180991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	313644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	299728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103100	56.559	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.120%			
35) Dibromofluoromethane	7.716	113	98624	44.275	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.560%			
50) Toluene-d8	10.179	98	378395	52.415	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.820%			
62) 4-Bromofluorobenzene	12.477	95	127043	43.610	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.220%			
Target Compounds						
2) Dichlorodifluoromethane	1.894	85	61	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	1482	Below Cal	#	77
16) Acetone	3.948	43	4788	11.445	ug/l	98
20) Methylene Chloride	4.710	84	44437	17.466	ug/l	86
25) 2-Butanone	6.978	43	2544	3.827	ug/l	96
26) 2,2-Dichloropropane	6.972	77	3782	1.167	ug/l #	55
31) Cyclohexane	7.783	56	3621	1.176	ug/l #	3
36) 1,1-Dichloropropene	7.783	75	14126	4.632	ug/l #	50
37) Ethyl Acetate	6.978	43	2544	1.587	ug/l #	1
38) Carbon Tetrachloride	7.783	117	17687	5.213	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	64924	43.875	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64924	97.418	ug/l #	7

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

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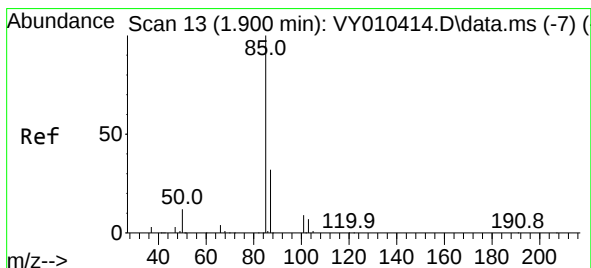
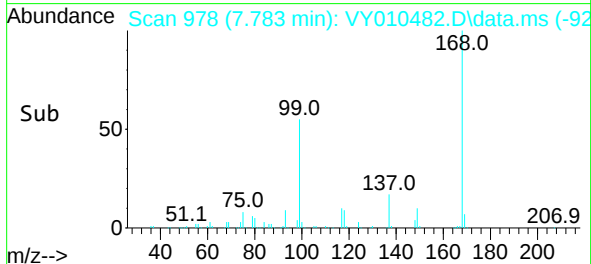
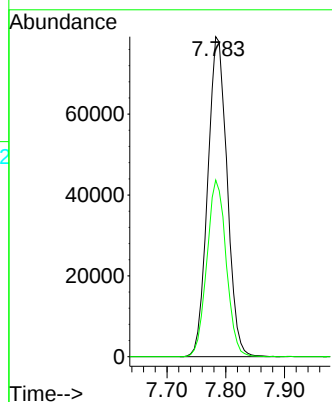
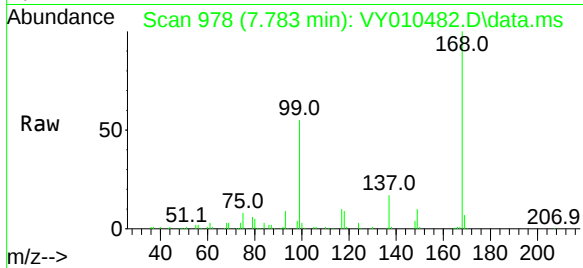




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

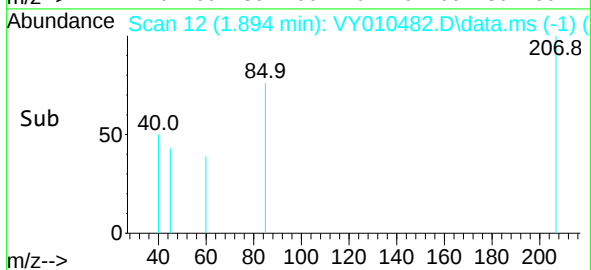
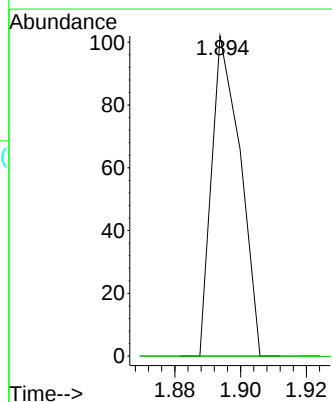
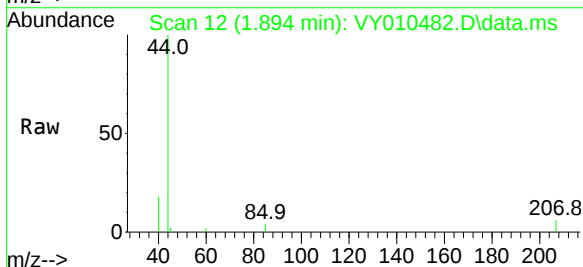
Instrument :
MSVOA_Y
ClientSampleId :
PSC-164718

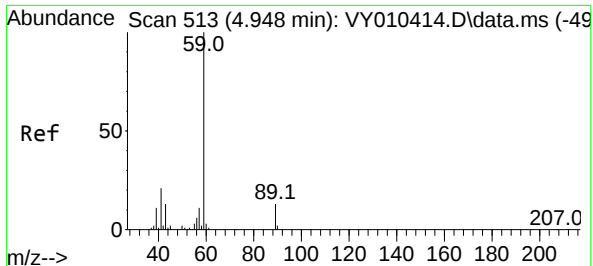
Tgt Ion:168 Resp: 180991
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

Tgt Ion: 85 Resp: 61
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY010482.D

Acq: 14 Sep 2022 14:02

Instrument :

MSVOA_Y

ClientSampleId :

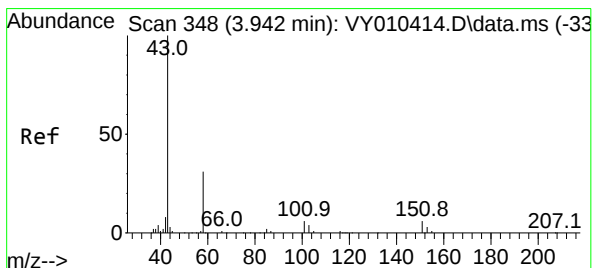
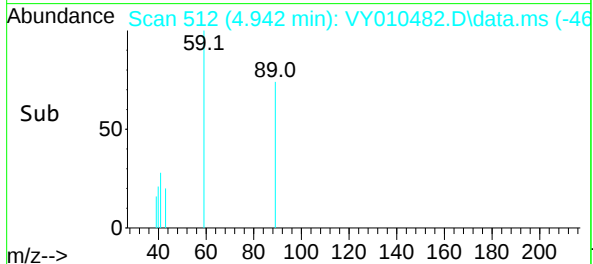
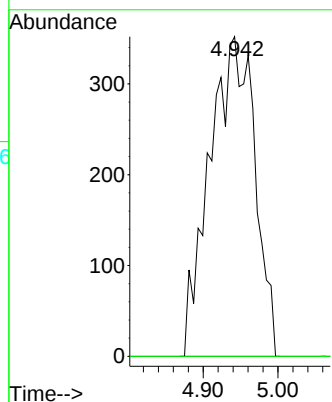
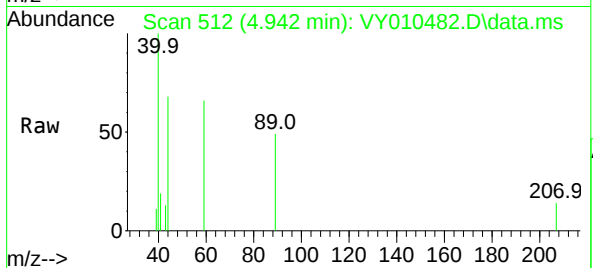
PSC-164718

Tgt Ion: 59 Resp: 1482

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 11.445 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY010482.D

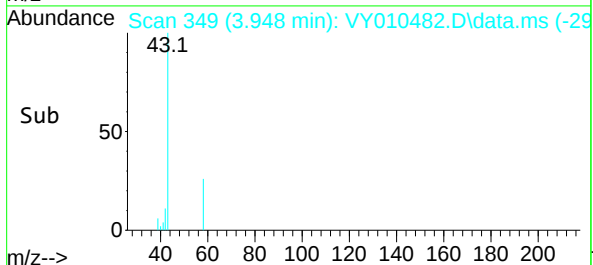
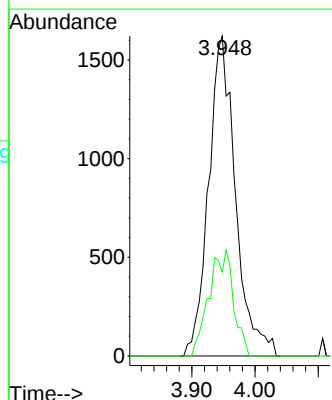
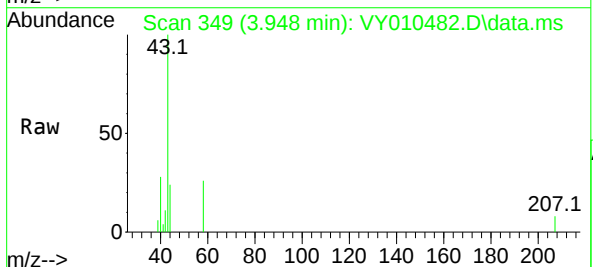
Acq: 14 Sep 2022 14:02

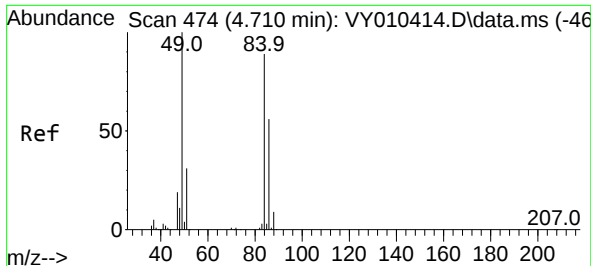
Tgt Ion: 43 Resp: 4788

Ion Ratio Lower Upper

43 100

58 26.2 22.0 33.0

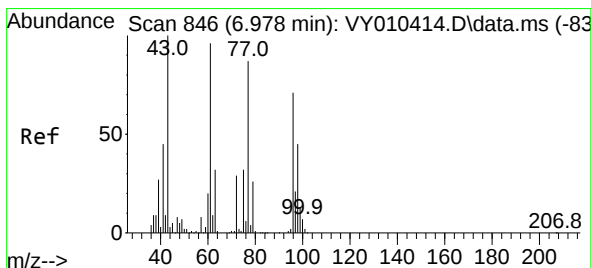
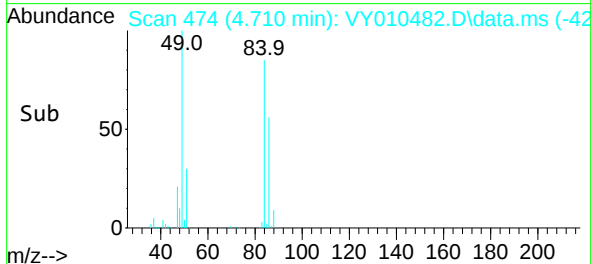
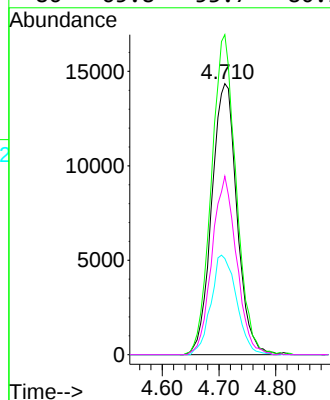
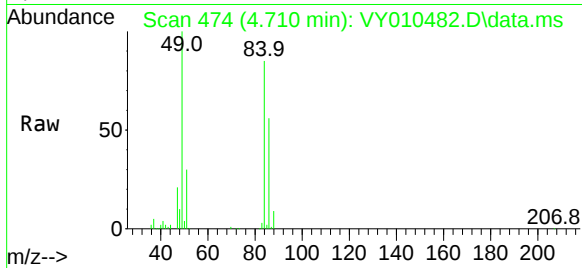




#20
Methylene Chloride
Concen: 17.466 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

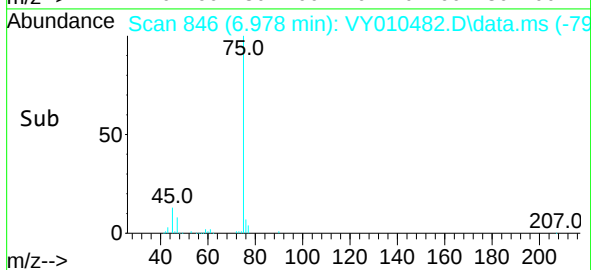
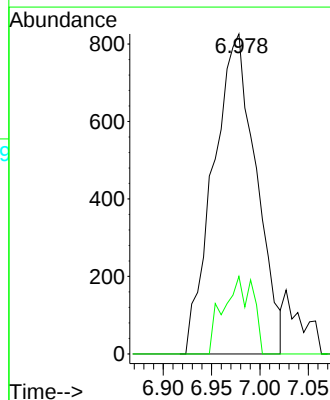
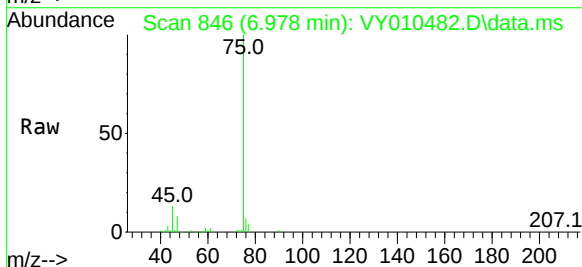
Instrument :
MSVOA_Y
ClientSampleId :
PSC-164718

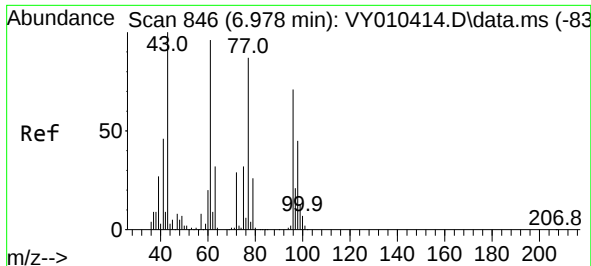
Tgt Ion:	84	Resp:	44437
Ion	Ratio	Lower	Upper
84	100		
49	118.1	114.4	171.6
51	35.5	35.3	52.9
86	65.8	53.7	80.5



#25
2-Butanone
Concen: 3.827 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

Tgt Ion:	43	Resp:	2544
Ion	Ratio	Lower	Upper
43	100		
72	24.2	17.7	26.5





#26

2,2-Dichloropropane

Concen: 1.167 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010482.D

Acq: 14 Sep 2022 14:02

Instrument :

MSVOA_Y

ClientSampleId :

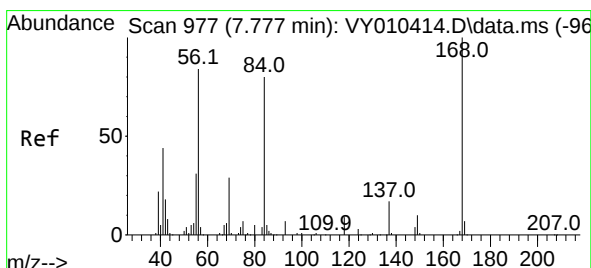
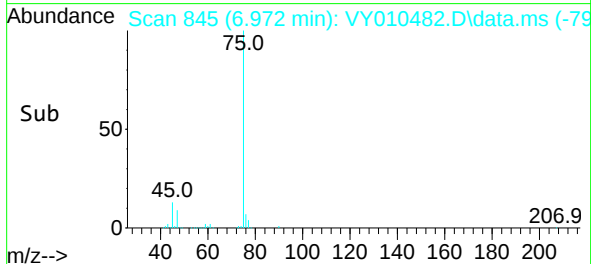
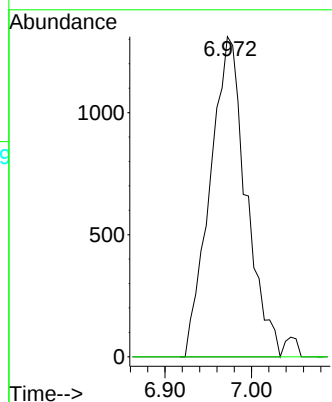
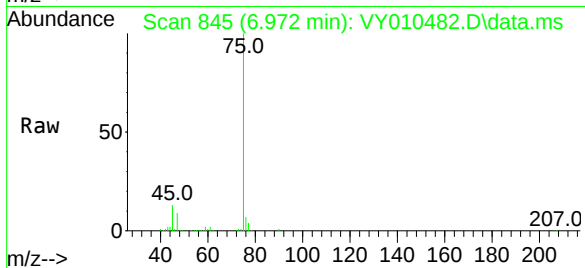
PSC-164718

Tgt Ion: 77 Resp: 3782

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010482.D

Acq: 14 Sep 2022 14:02

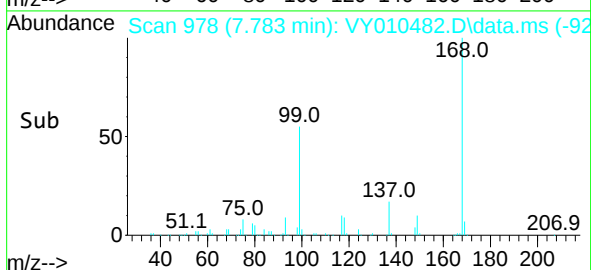
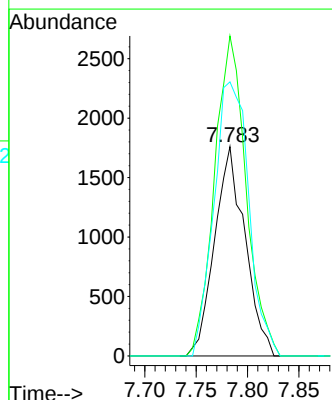
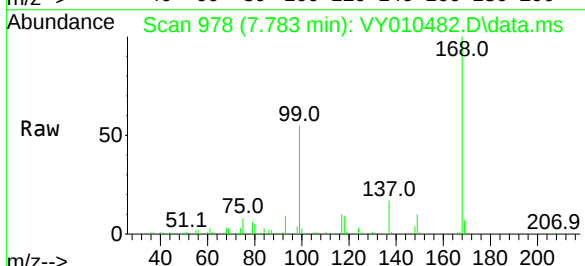
Tgt Ion: 56 Resp: 3621

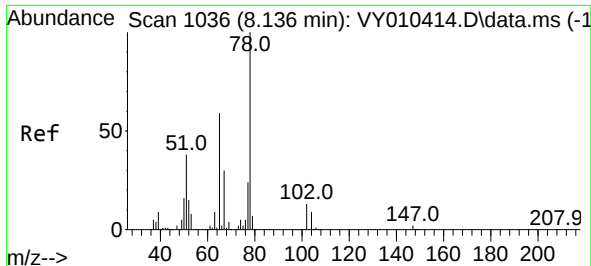
Ion Ratio Lower Upper

56 100

69 152.9 26.7 40.1#

84 131.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.559 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY010482.D

Acq: 14 Sep 2022 14:02

Instrument :

MSVOA_Y

ClientSampleId :

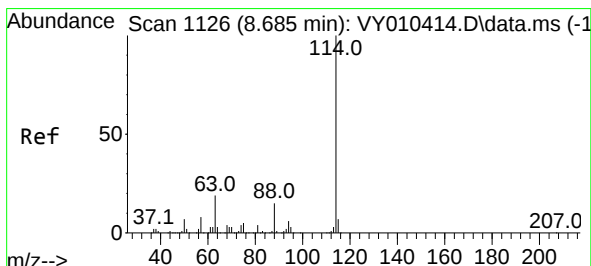
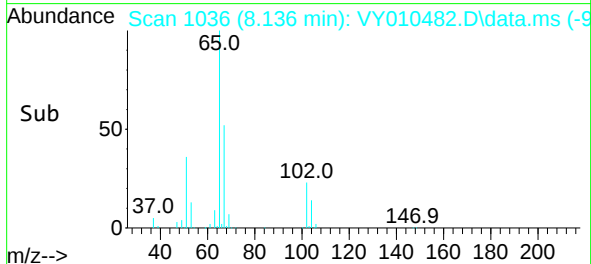
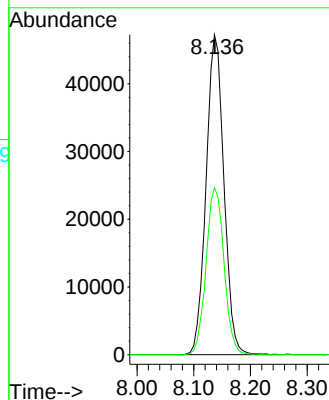
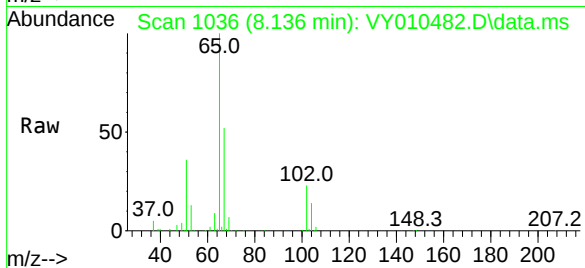
PSC-164718

Tgt Ion: 65 Resp: 103100

Ion Ratio Lower Upper

65 100

67 52.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010482.D

Acq: 14 Sep 2022 14:02

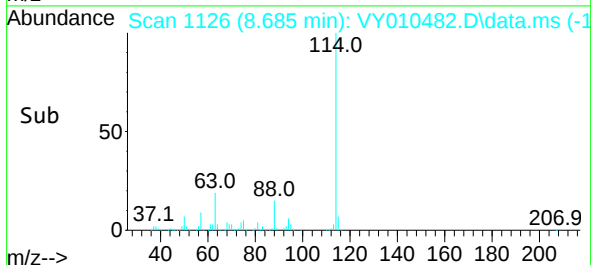
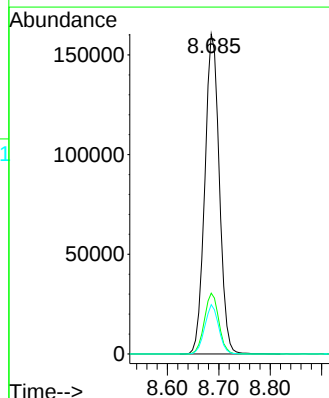
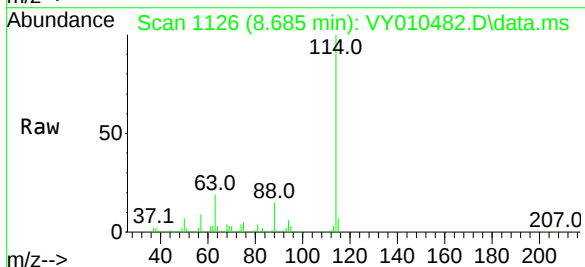
Tgt Ion: 114 Resp: 313644

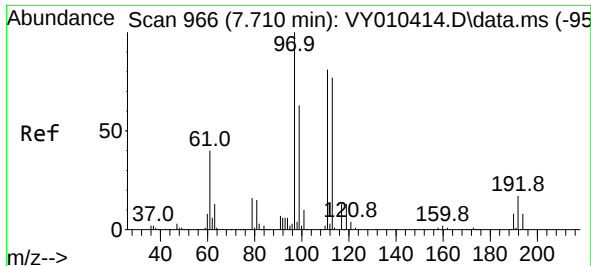
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.4 0.0 31.8

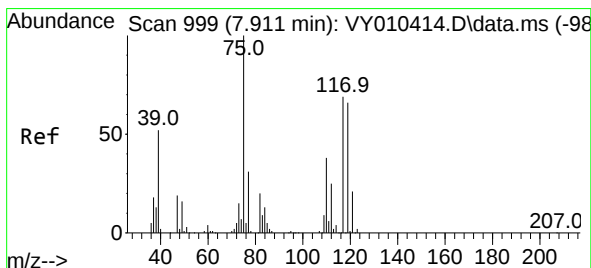
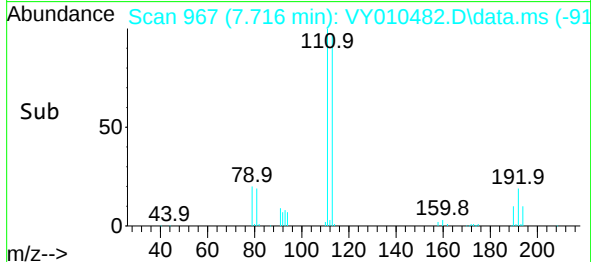
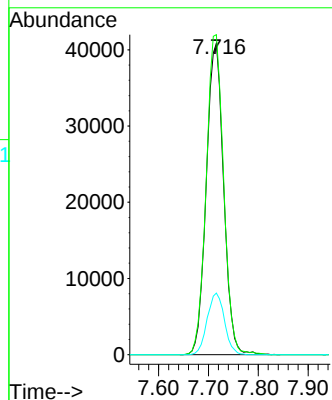
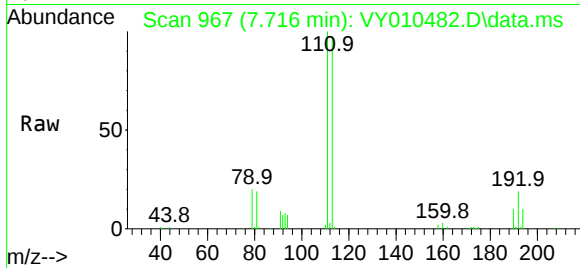




#35
Dibromofluoromethane
Concen: 44.275 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

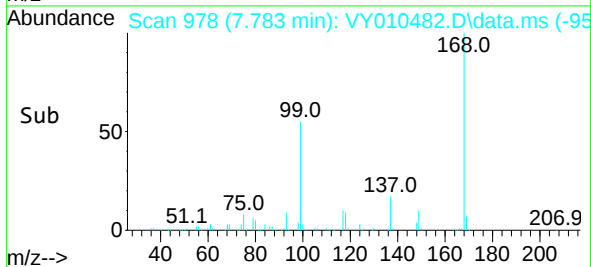
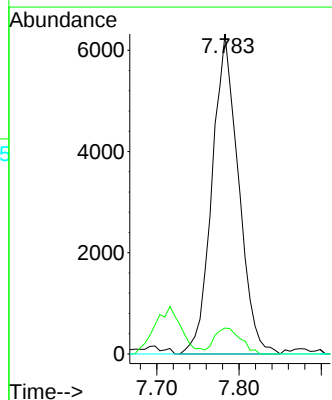
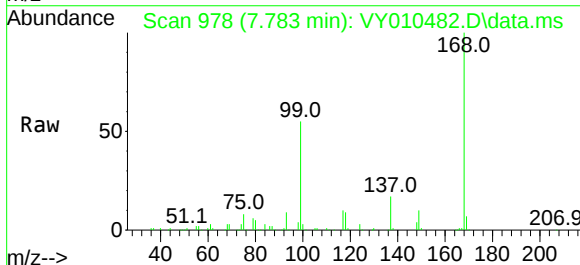
Instrument :
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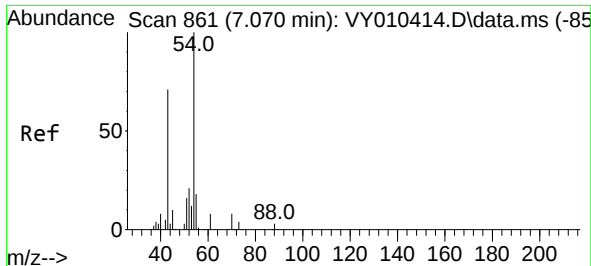
Tgt Ion:113 Resp: 98624
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

Tgt Ion: 75 Resp: 14126
Ion Ratio Lower Upper
75 100
110 8.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.587 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY010482.D

Acq: 14 Sep 2022 14:02

Instrument :

MSVOA_Y

ClientSampleId :

PSC-164718

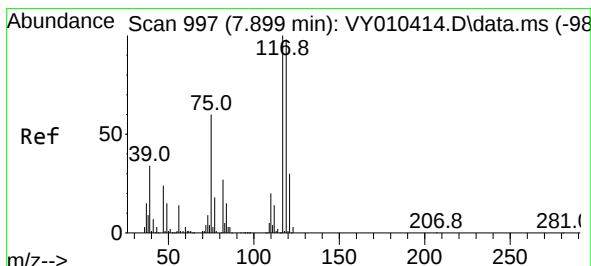
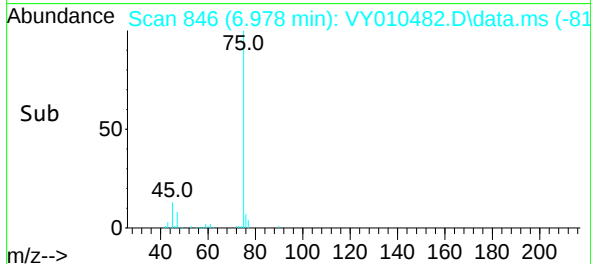
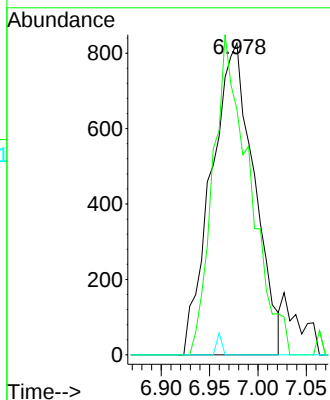
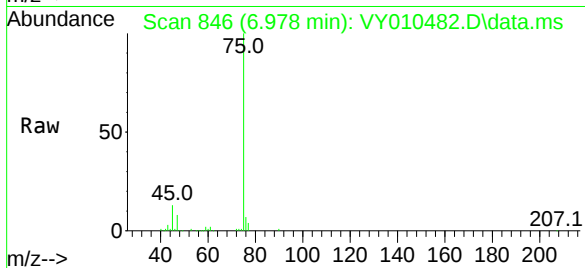
Tgt Ion: 43 Resp: 2544

Ion Ratio Lower Upper

43 100

61 87.8 9.7 14.5#

70 0.8 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.213 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010482.D

Acq: 14 Sep 2022 14:02

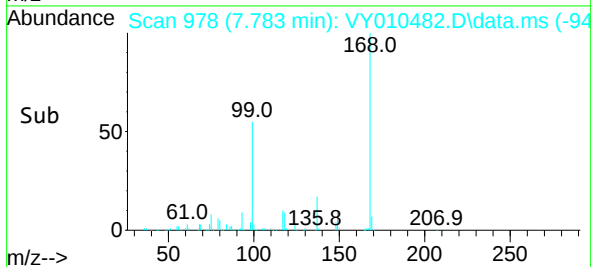
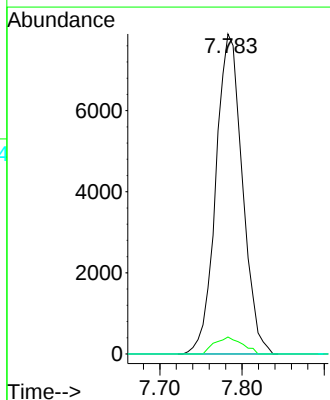
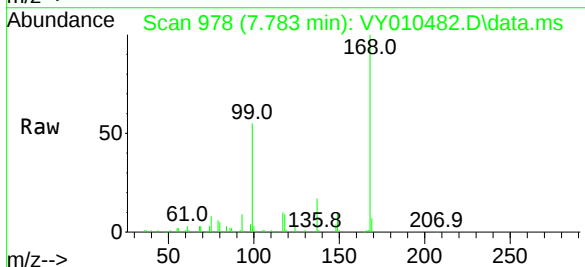
Tgt Ion: 117 Resp: 17687

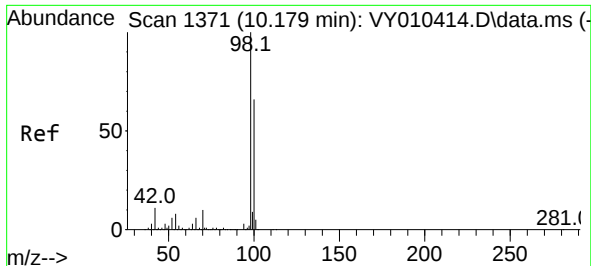
Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

121 0.0 24.8 37.2#

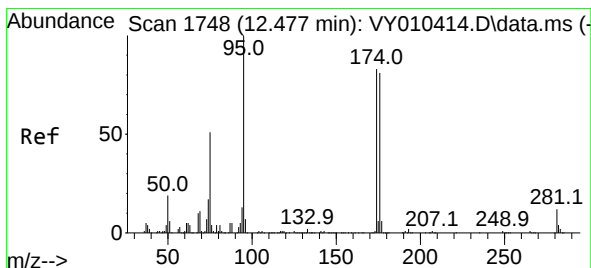
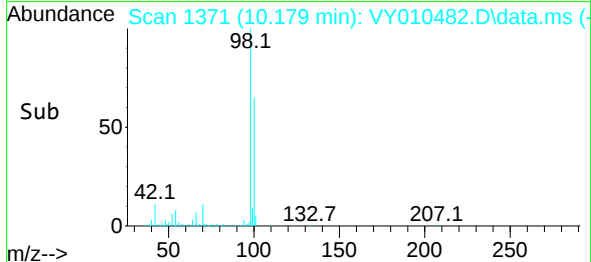
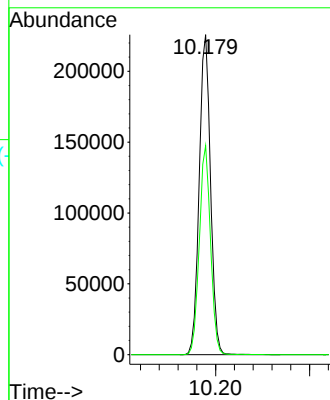
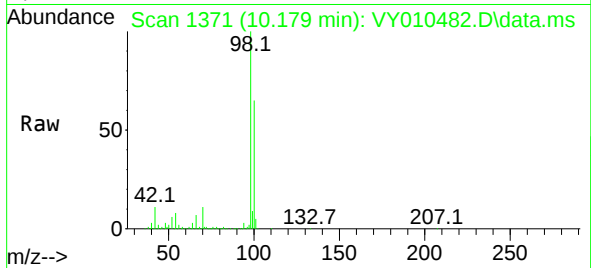




#50
Toluene-d8
Concen: 52.415 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

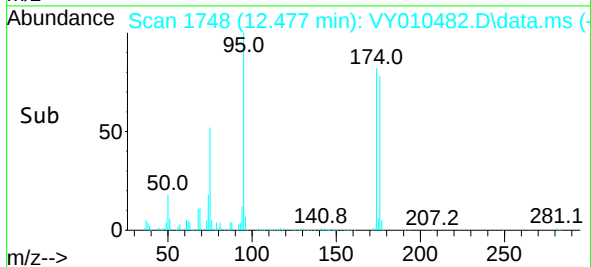
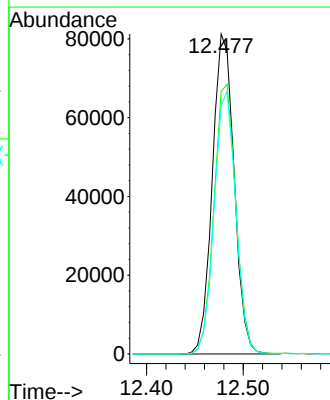
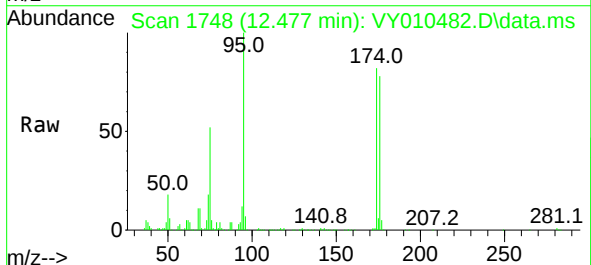
Instrument :
MSVOA_Y
ClientSampleId :
PSC-164718

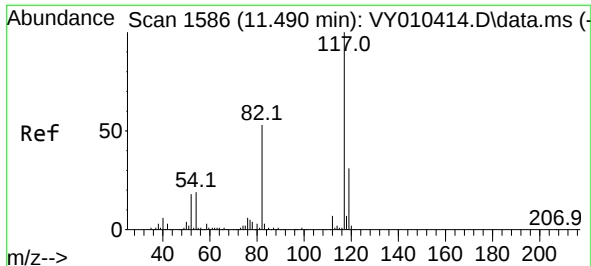
Tgt Ion: 98 Resp: 378395
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.610 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

Tgt Ion: 95 Resp: 127043
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 81.3 0.0 175.8

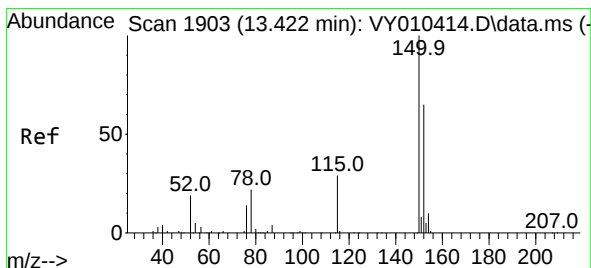
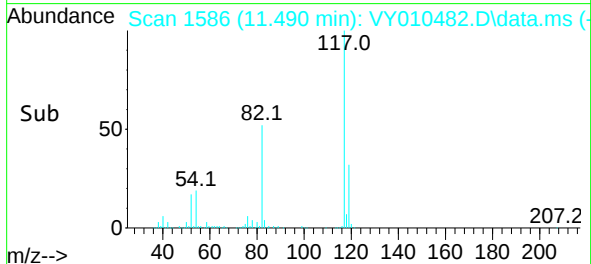
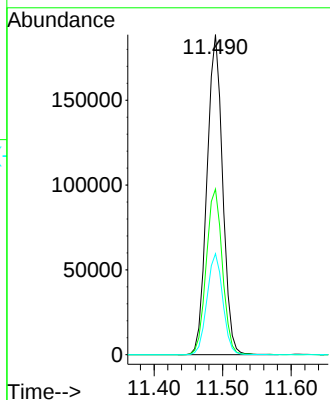
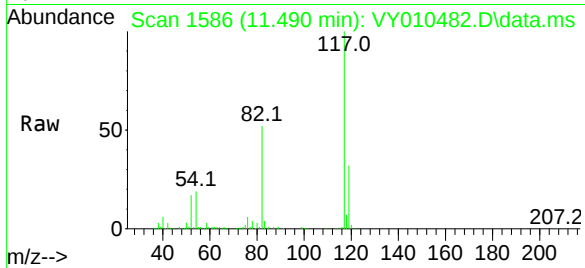




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

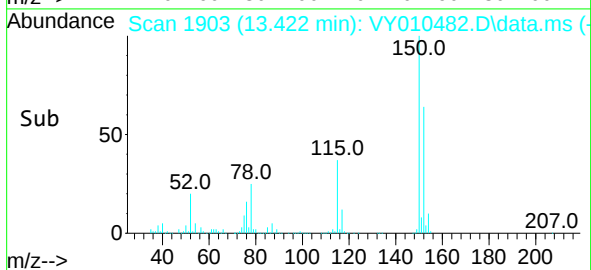
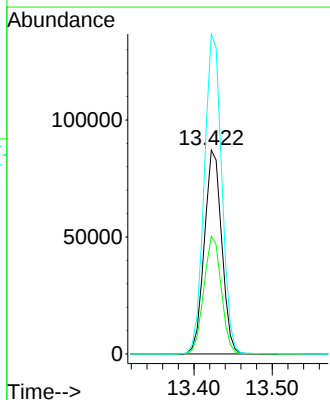
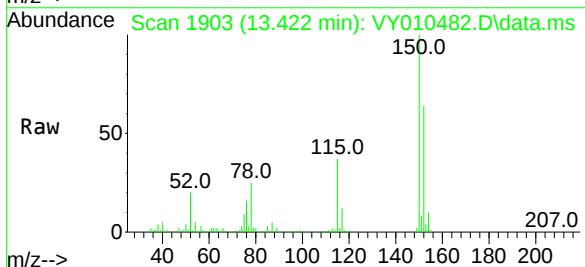
Instrument :
MSVOA_Y
ClientSampleId :
PSC-164718

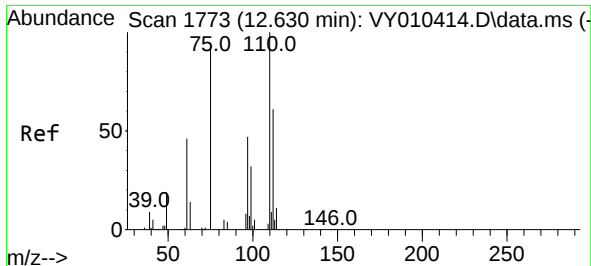
Tgt Ion:117 Resp: 299728
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

Tgt Ion:152 Resp: 134076
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 157.7 0.0 347.6

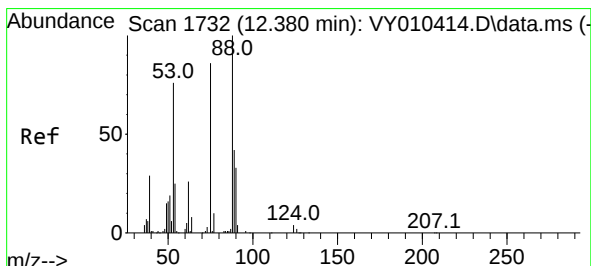
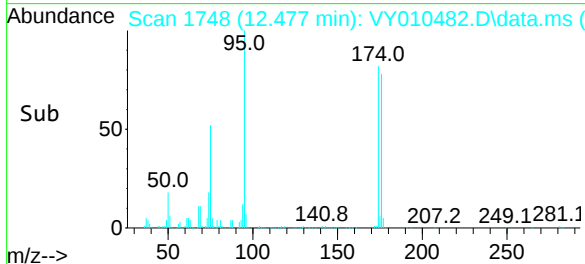
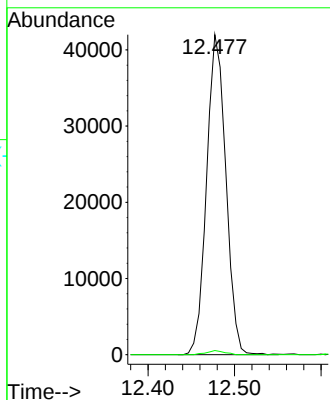
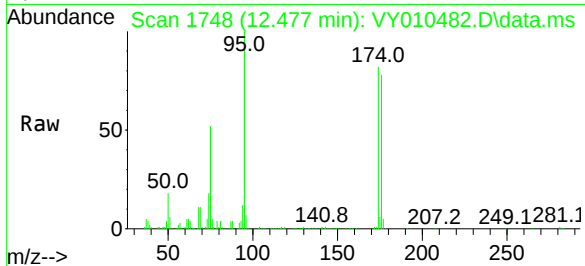




#76
1,2,3-Trichloropropane
Concen: 43.875 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

Instrument :
MSVOA_Y
ClientSampleId :
PSC-164718

Tgt Ion: 75 Resp: 64924
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.418 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010482.D
Acq: 14 Sep 2022 14:02

Tgt Ion: 75 Resp: 64924
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

