

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013645.D
 Acq On : 08 May 2023 13:37
 Operator : KP/MD
 Sample : 02588-13
 Misc : 3.46g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-9-10-05022023

Quant Time: May 08 14:44:26 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)

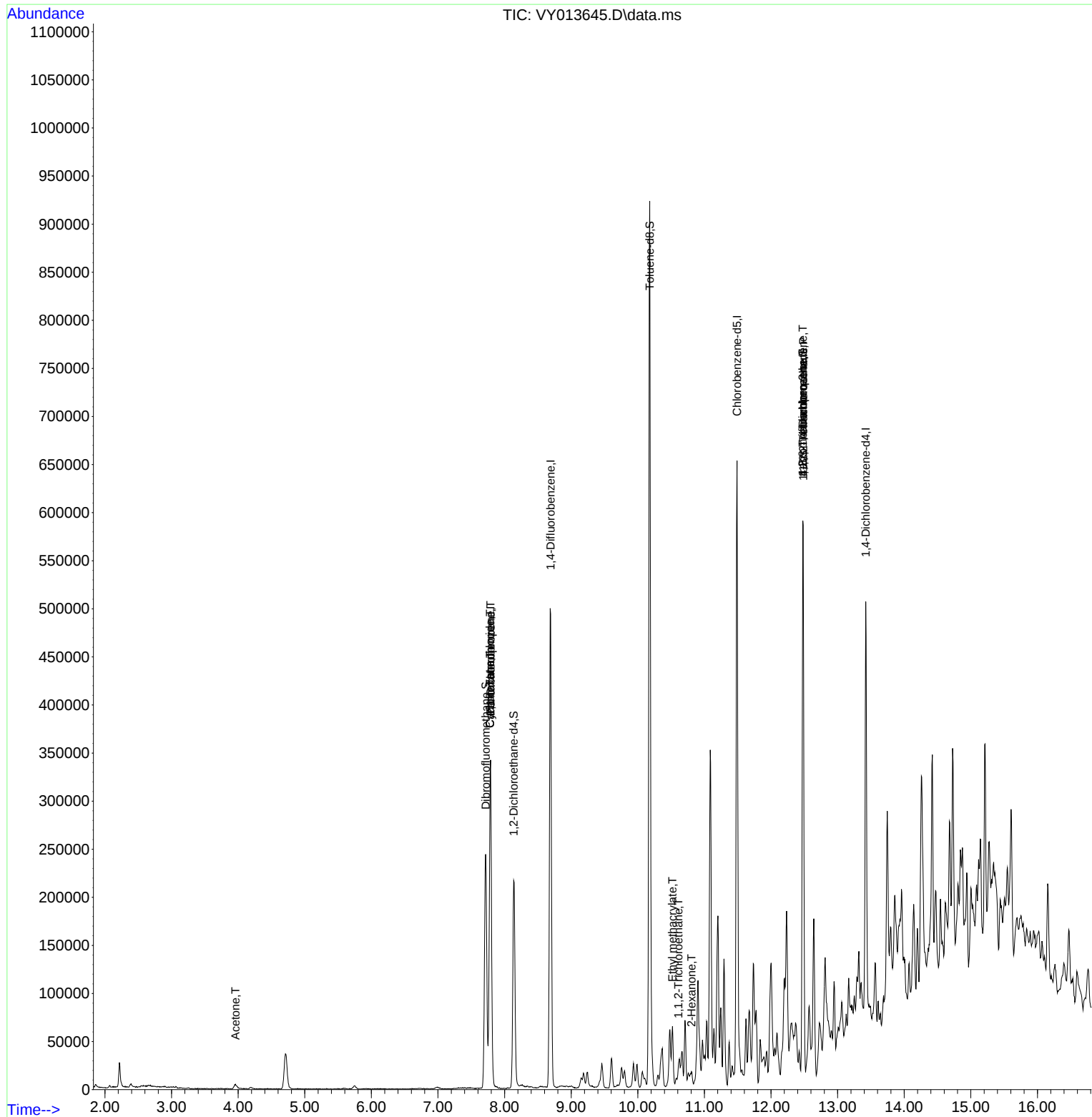
Internal Standards						
1) Pentafluorobenzene	7.789	168	266858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	422485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	338601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	180720	61.777	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.560%	
35) Dibromofluoromethane	7.716	113	169209	63.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.360%	
50) Toluene-d8	10.179	98	541605	57.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.600%	
62) 4-Bromofluorobenzene	12.477	95	155107	48.672	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.340%	
Target Compounds						
						Qvalue
13) Acrolein	3.741	56	274	Below Cal		92
16) Acetone	3.960	43	9293	8.067	ug/l	90
20) Methylene Chloride	4.710	84	27706	Below Cal		88
31) Cyclohexane	7.783	56	5938	1.134	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	20257	4.593	ug/l #	48
38) Carbon Tetrachloride	7.783	117	26088	5.644	ug/l #	16
55) 1,1,2-Trichloroethane	10.612	97	8790	3.415	ug/l #	21
56) Ethyl methacrylate	10.520	69	5137	1.439	ug/l #	1
59) 2-Hexanone	10.807	43	6541	2.883	ug/l #	33
75) 1,1,2,2-Tetrachloroethane	12.483	83	3000	1.394	ug/l	68
76) 1,2,3-Trichloropropane	12.477	75	85500	54.454	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	85500	111.389	ug/l #	14

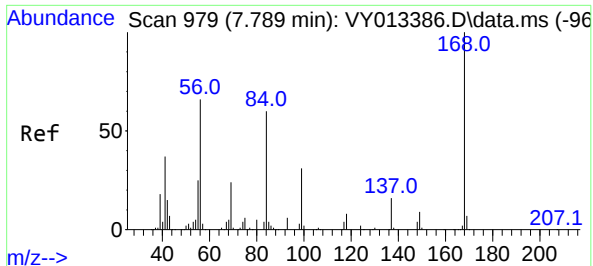
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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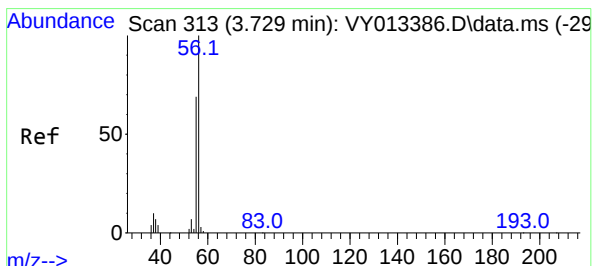
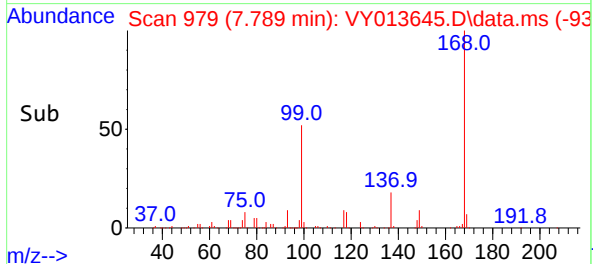
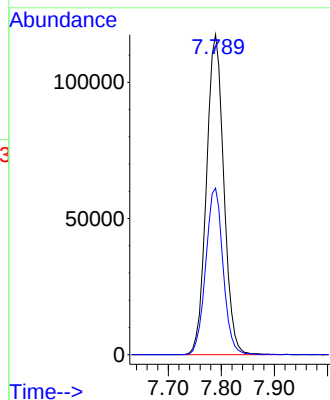
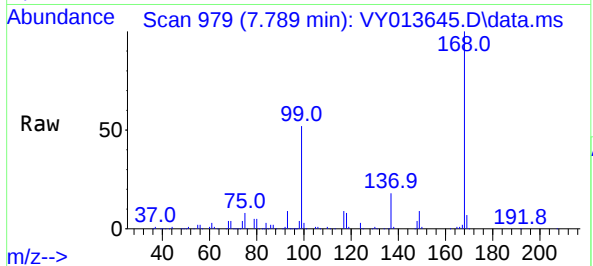




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

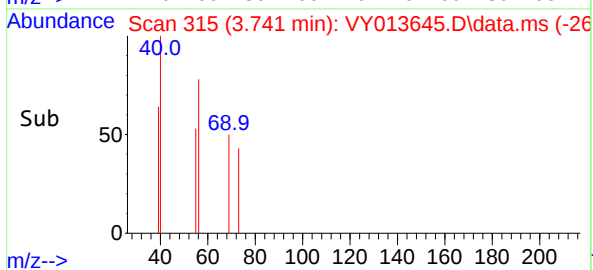
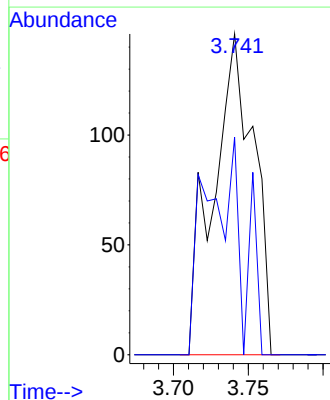
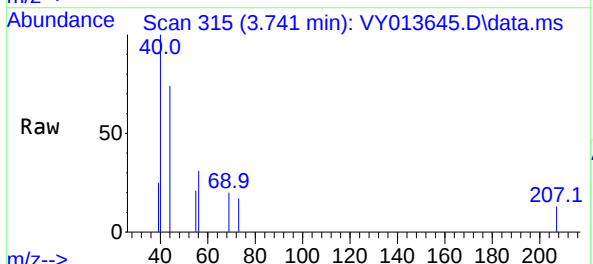
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9-10-05022023

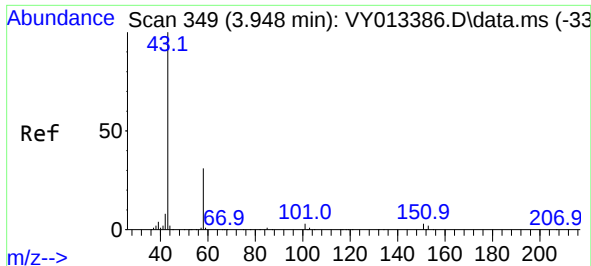
Tgt Ion:168 Resp: 266858
Ion Ratio Lower Upper
168 100
99 52.0 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.012 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 60.9 54.1 81.1

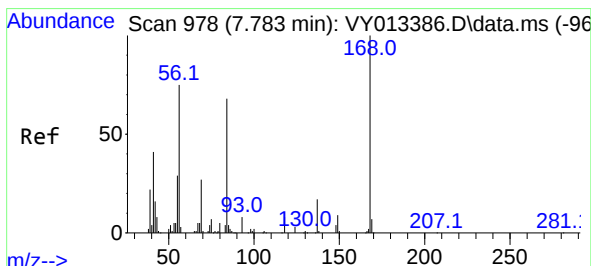
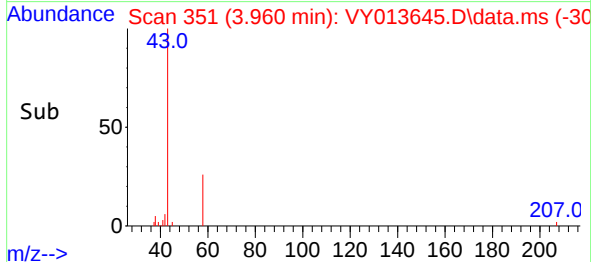
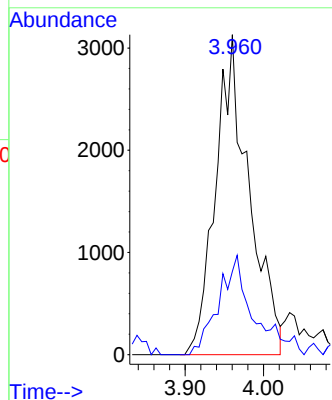
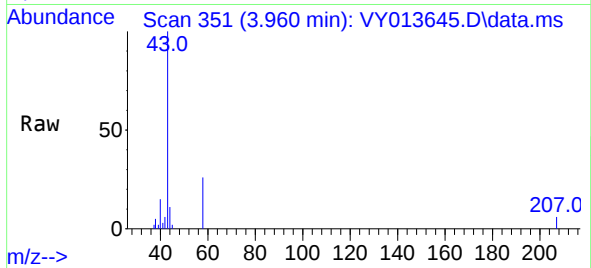




#16
Acetone
Concen: 8.067 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

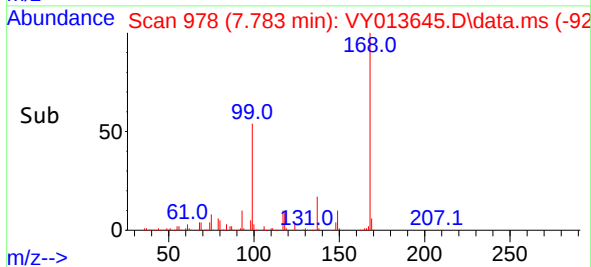
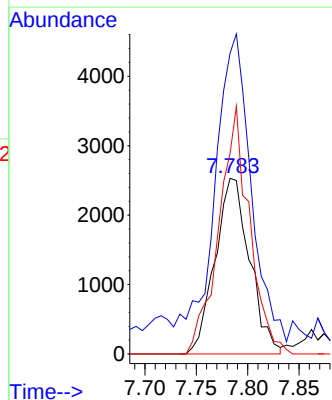
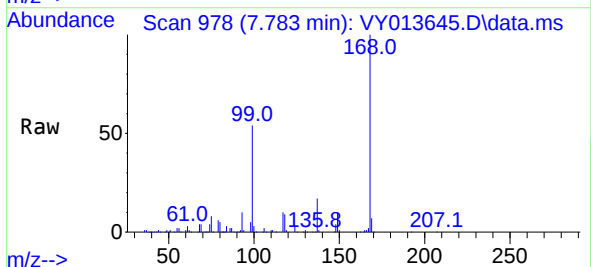
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9-10-05022023

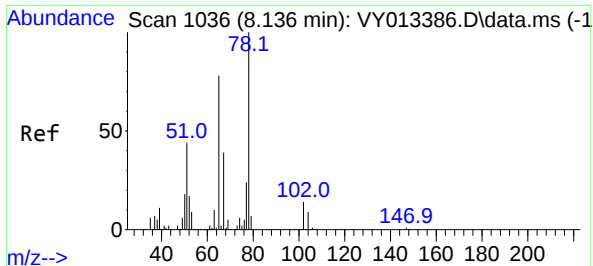
Tgt Ion: 43 Resp: 9293
Ion Ratio Lower Upper
43 100
58 26.0 25.4 38.0



#31
Cyclohexane
Concen: 1.134 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

Tgt Ion: 56 Resp: 5938
Ion Ratio Lower Upper
56 100
69 151.8 29.2 43.8#
84 114.3 73.0 109.6#





#33

1,2-Dichloroethane-d4

Concen: 61.777 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013645.D

Acq: 08 May 2023 13:37

Instrument :

MSVOA_Y

ClientSampleId :

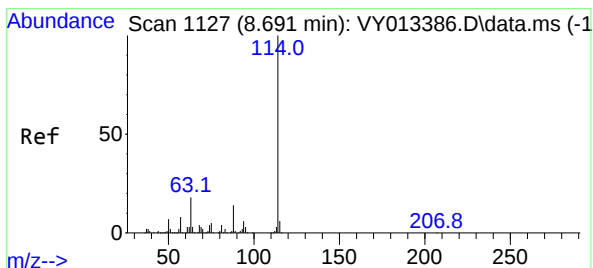
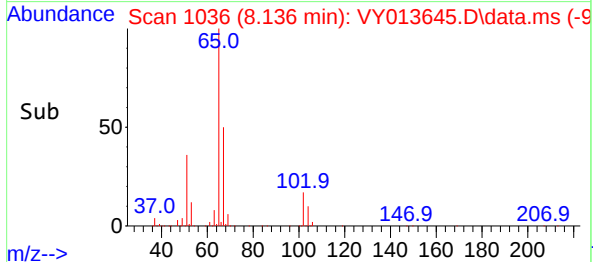
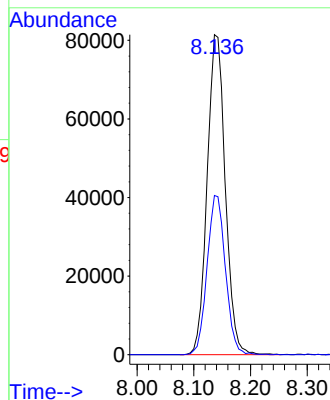
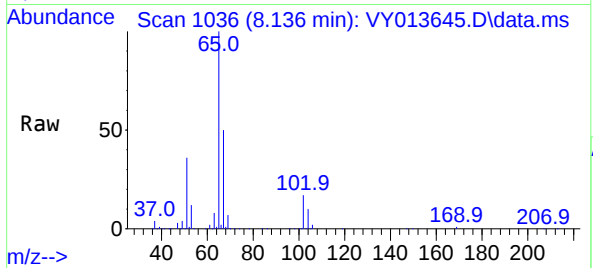
SB-16-9-10-05022023

Tgt Ion: 65 Resp: 180720

Ion Ratio Lower Upper

65 100

67 50.3 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: VY013645.D

Acq: 08 May 2023 13:37

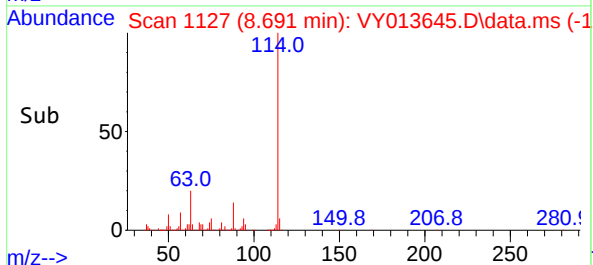
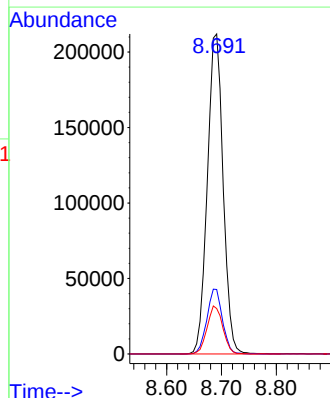
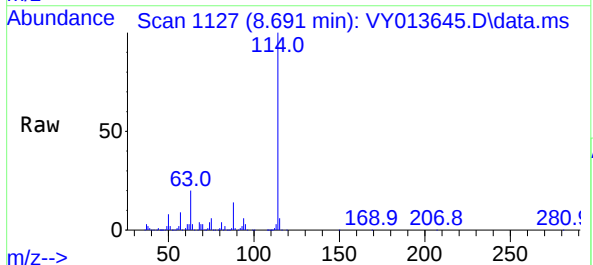
Tgt Ion: 114 Resp: 422485

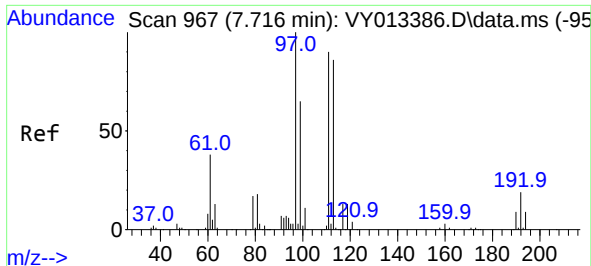
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.6

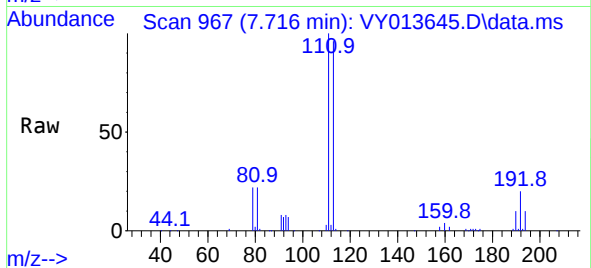
88 14.2 0.0 28.8



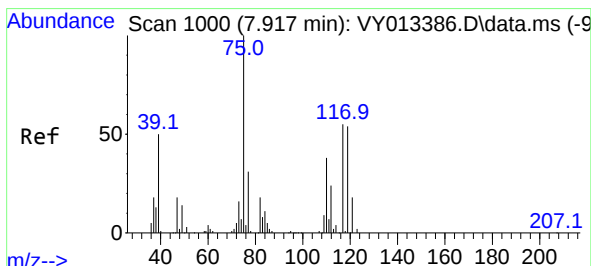
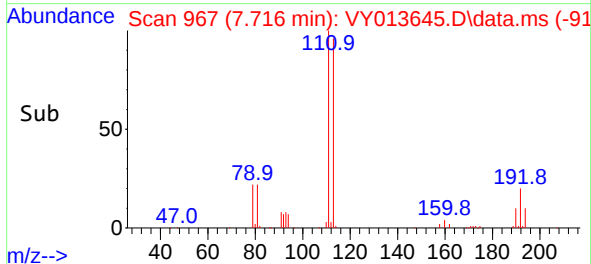
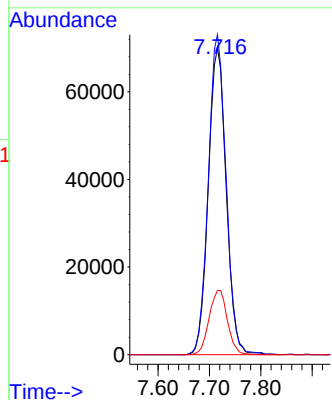


#35
Dibromofluoromethane
Concen: 63.679 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9-10-05022023

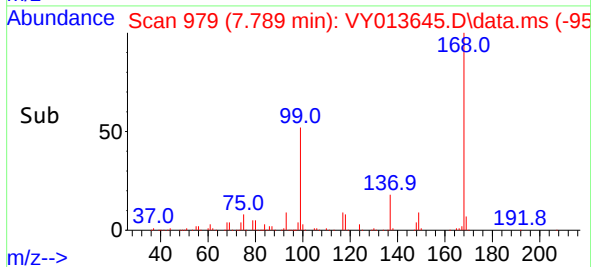
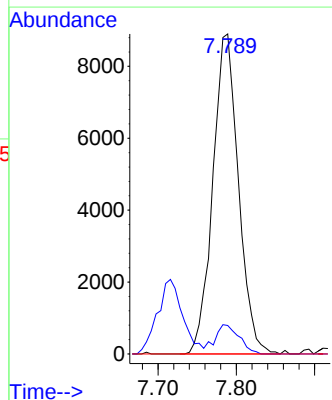
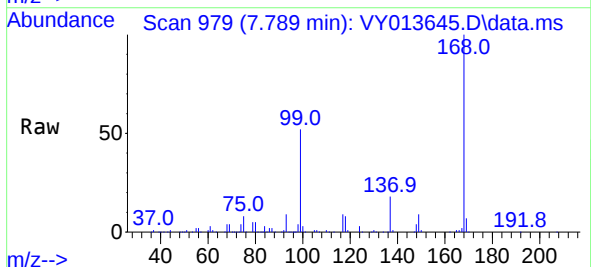


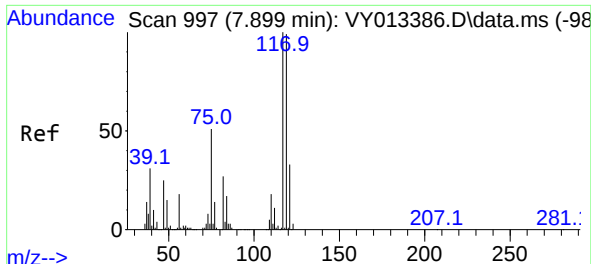
Tgt Ion:113 Resp: 169209
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 21.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.593 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

Tgt Ion: 75 Resp: 20257
Ion Ratio Lower Upper
75 100
110 8.6 18.7 56.1#
77 0.0 24.6 37.0#

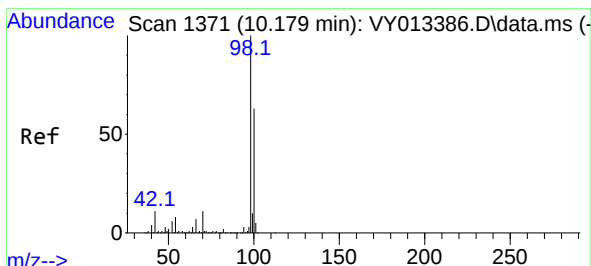
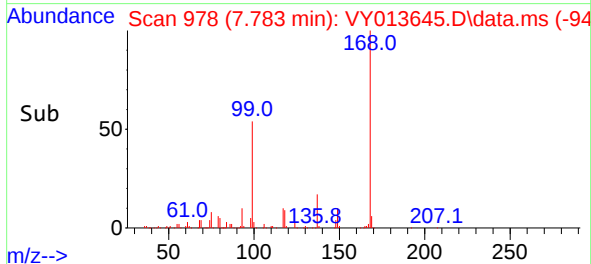
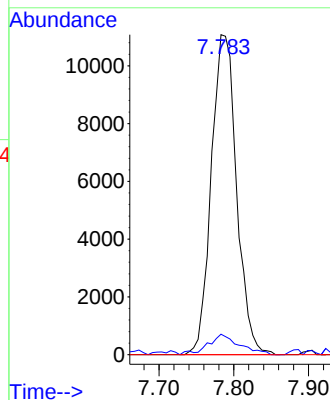
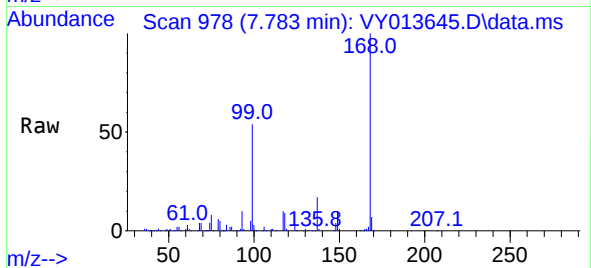




#38
Carbon Tetrachloride
Concen: 5.644 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

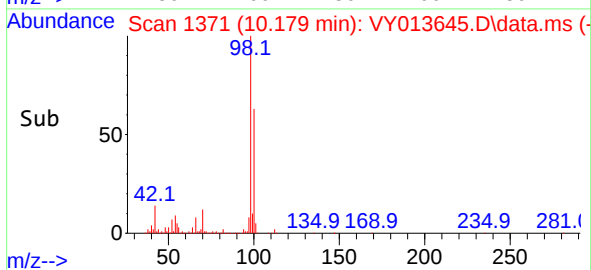
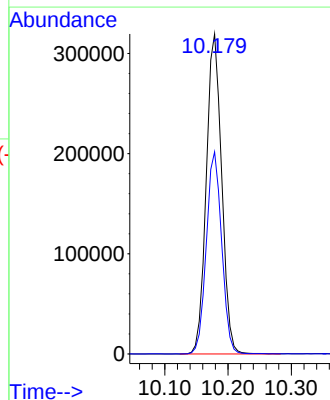
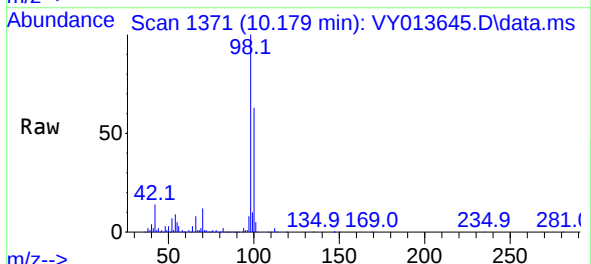
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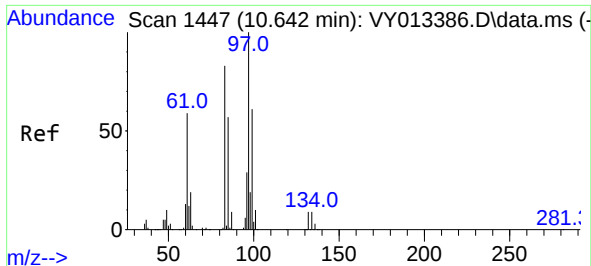
Tgt Ion:117 Resp: 26088
Ion Ratio Lower Upper
117 100
119 6.4 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 57.295 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

Tgt Ion: 98 Resp: 541605
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7

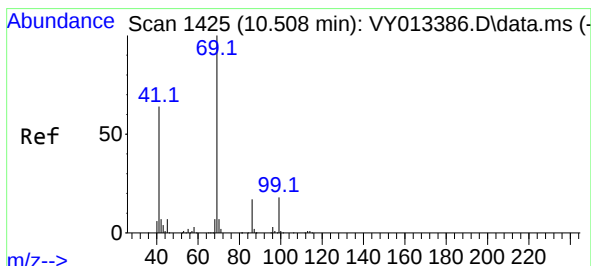
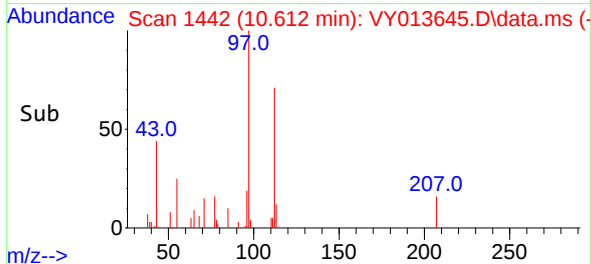
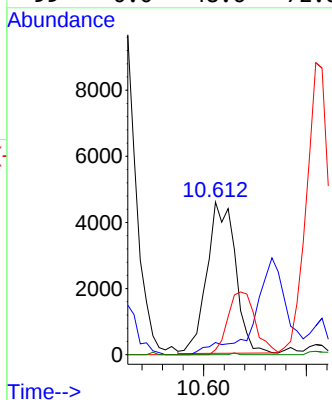
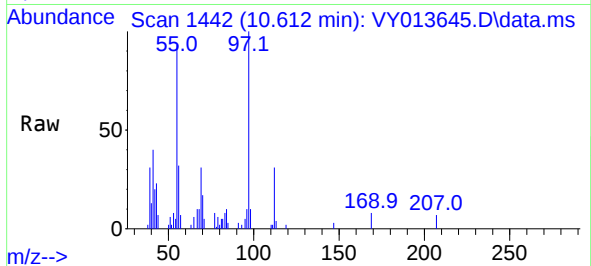




#55
1,1,2-Trichloroethane
Concen: 3.415 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.030 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

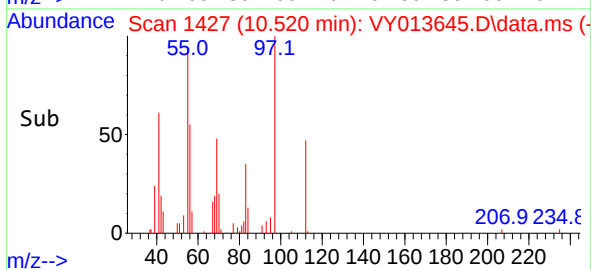
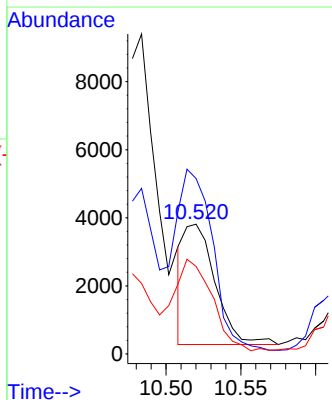
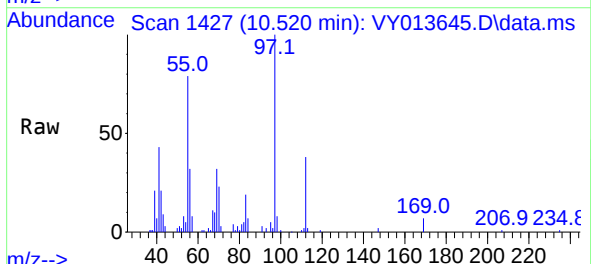
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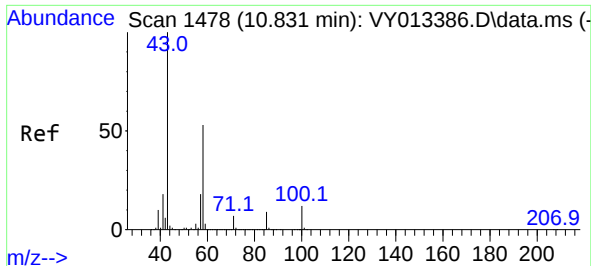
Tgt Ion:	97	Resp:	8790
Ion	Ratio	Lower	Upper
97	100		
83	8.1	66.4	99.6#
85	3.3	45.6	68.4#
99	0.0	48.6	72.8#



#56
Ethyl methacrylate
Concen: 1.439 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

Tgt Ion:	69	Resp:	5137
Ion	Ratio	Lower	Upper
69	100		
41	186.5	51.4	77.0#
39	92.2	29.0	43.6#

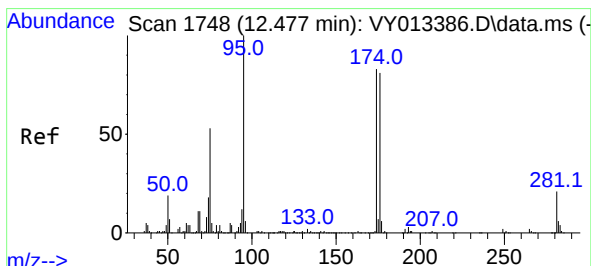
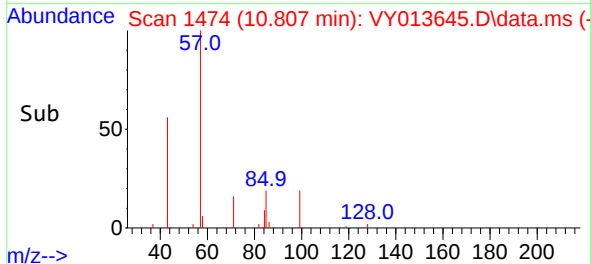
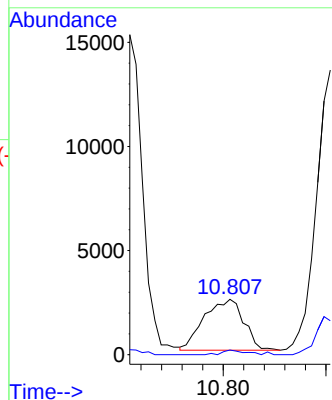
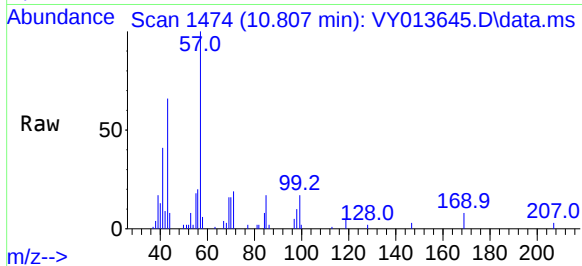




#59
2-Hexanone
Concen: 2.883 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

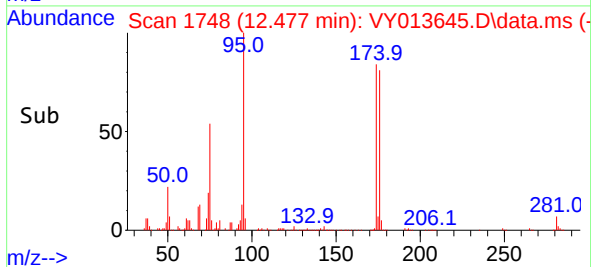
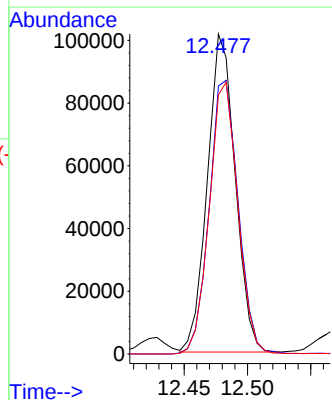
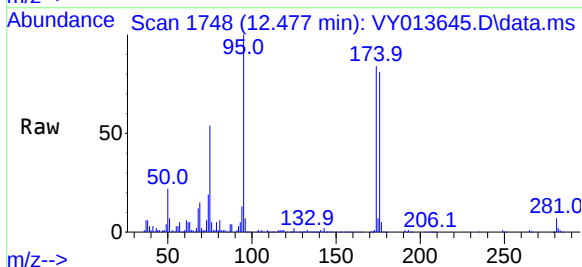
Instrument :
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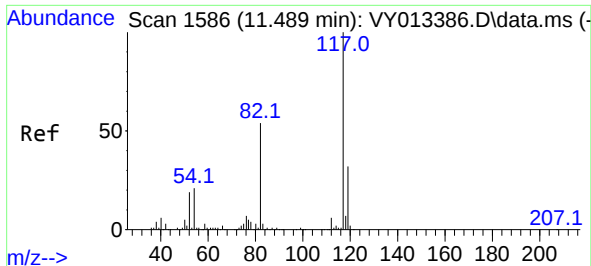
Tgt Ion: 43 Resp: 6541
Ion Ratio Lower Upper
43 100
58 5.1 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 48.672 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

Tgt Ion: 95 Resp: 155107
Ion Ratio Lower Upper
95 100
174 89.6 0.0 182.0
176 87.5 0.0 175.4

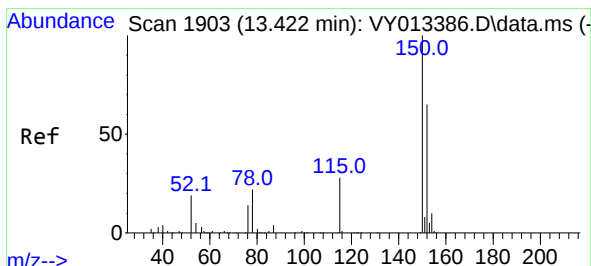
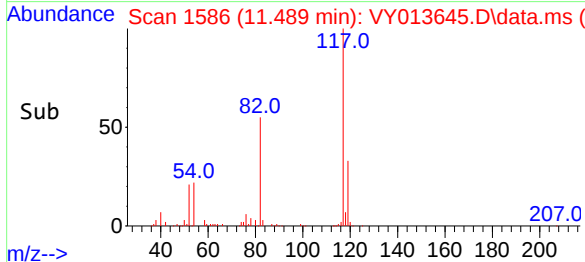
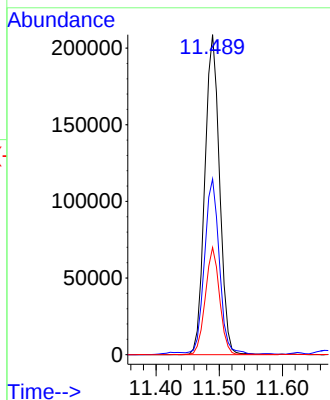
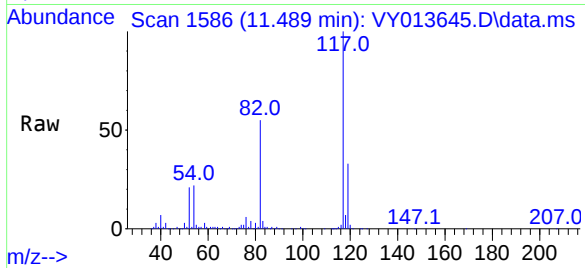




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

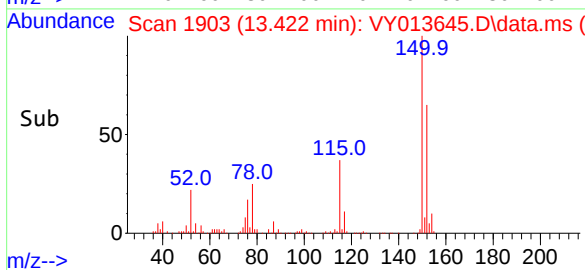
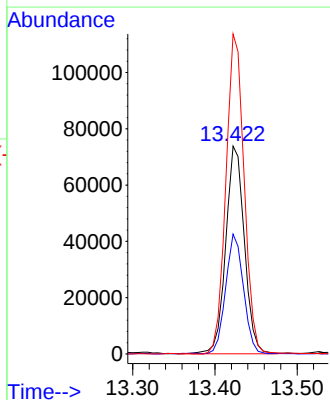
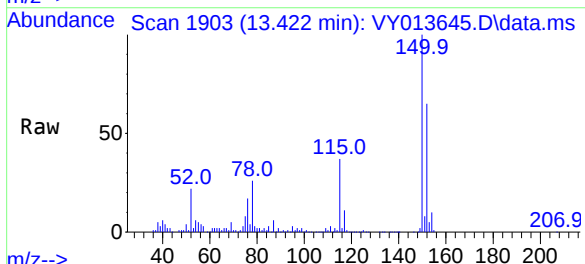
Instrument :
MSVOA_Y
ClientSampleId :
SB-16-9-10-05022023

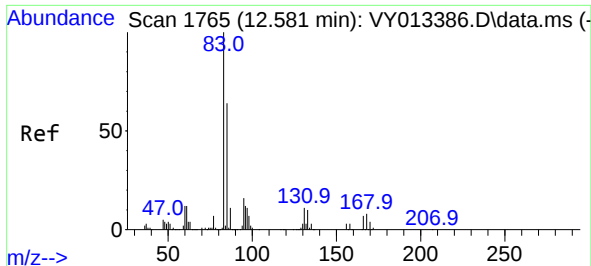
Tgt Ion:117 Resp: 338601
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.6
119 33.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013645.D
Acq: 08 May 2023 13:37

Tgt Ion:152 Resp: 116425
Ion Ratio Lower Upper
152 100
115 54.9 28.1 84.2
150 150.9 0.0 352.0

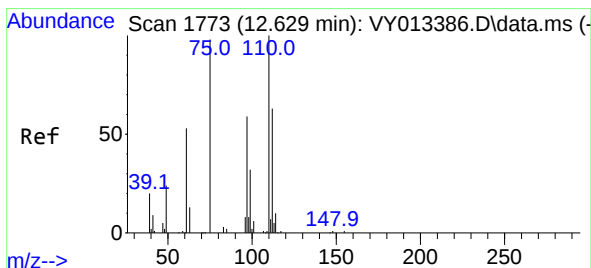
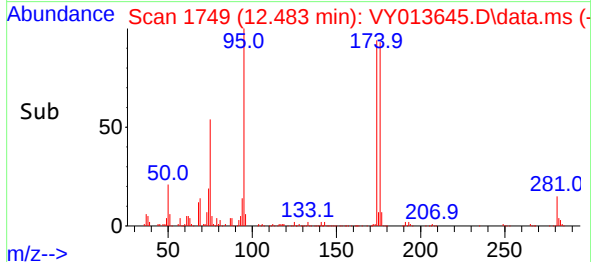
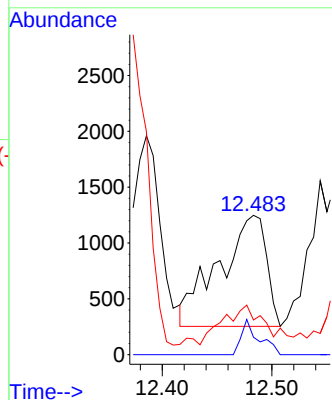
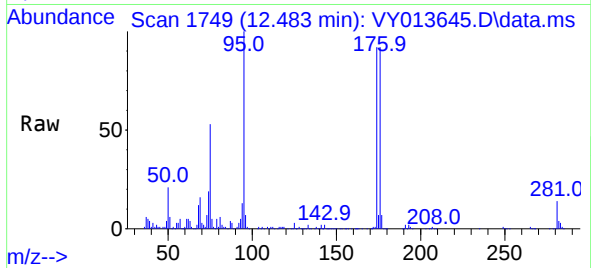




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.394 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.098 min
 Lab File: VY013645.D
 Acq: 08 May 2023 13:37

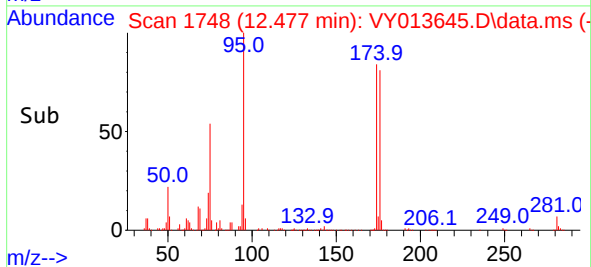
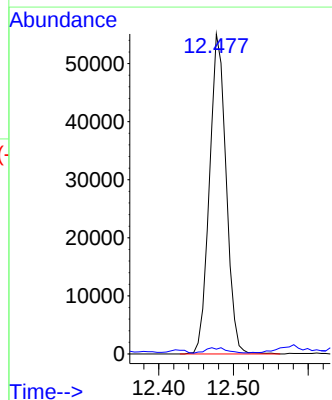
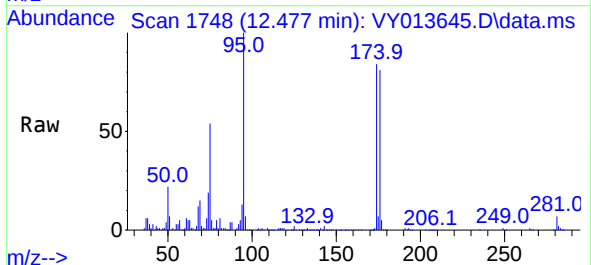
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-9-10-05022023

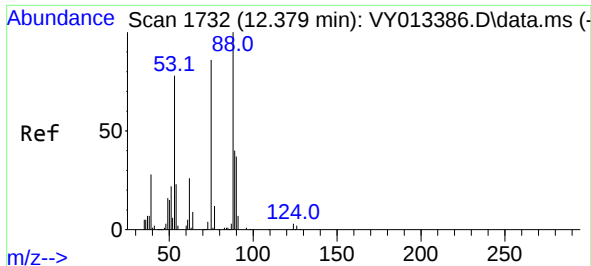
Tgt Ion: 83 Resp: 3000
 Ion Ratio Lower Upper
 83 100
 131 11.6 5.7 17.0
 85 34.3 31.8 95.4



#76
 1,2,3-Trichloropropane
 Concen: 54.454 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013645.D
 Acq: 08 May 2023 13:37

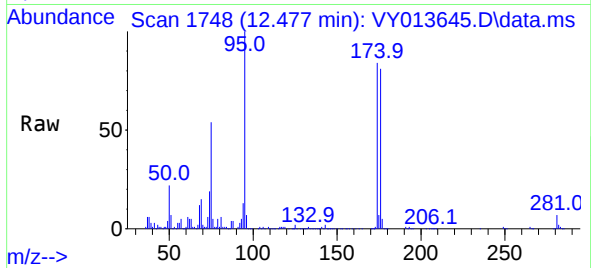
Tgt Ion: 75 Resp: 85500
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.389 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013645.D
 Acq: 08 May 2023 13:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-16-9-10-05022023



Tgt Ion: 75 Resp: 85500
 Ion Ratio Lower Upper
 75 100
 53 1.4 73.2 109.8#
 89 0.3 38.0 57.0#

