

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120621\
 Data File : VY006977.D
 Acq On : 06 Dec 2021 23:10
 Operator : SY/MD
 Sample : M4887-23
 Misc : 3.97g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 04:14:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYLEM120321SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 07 04:00:28 2021
 Response via : Initial Calibration

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

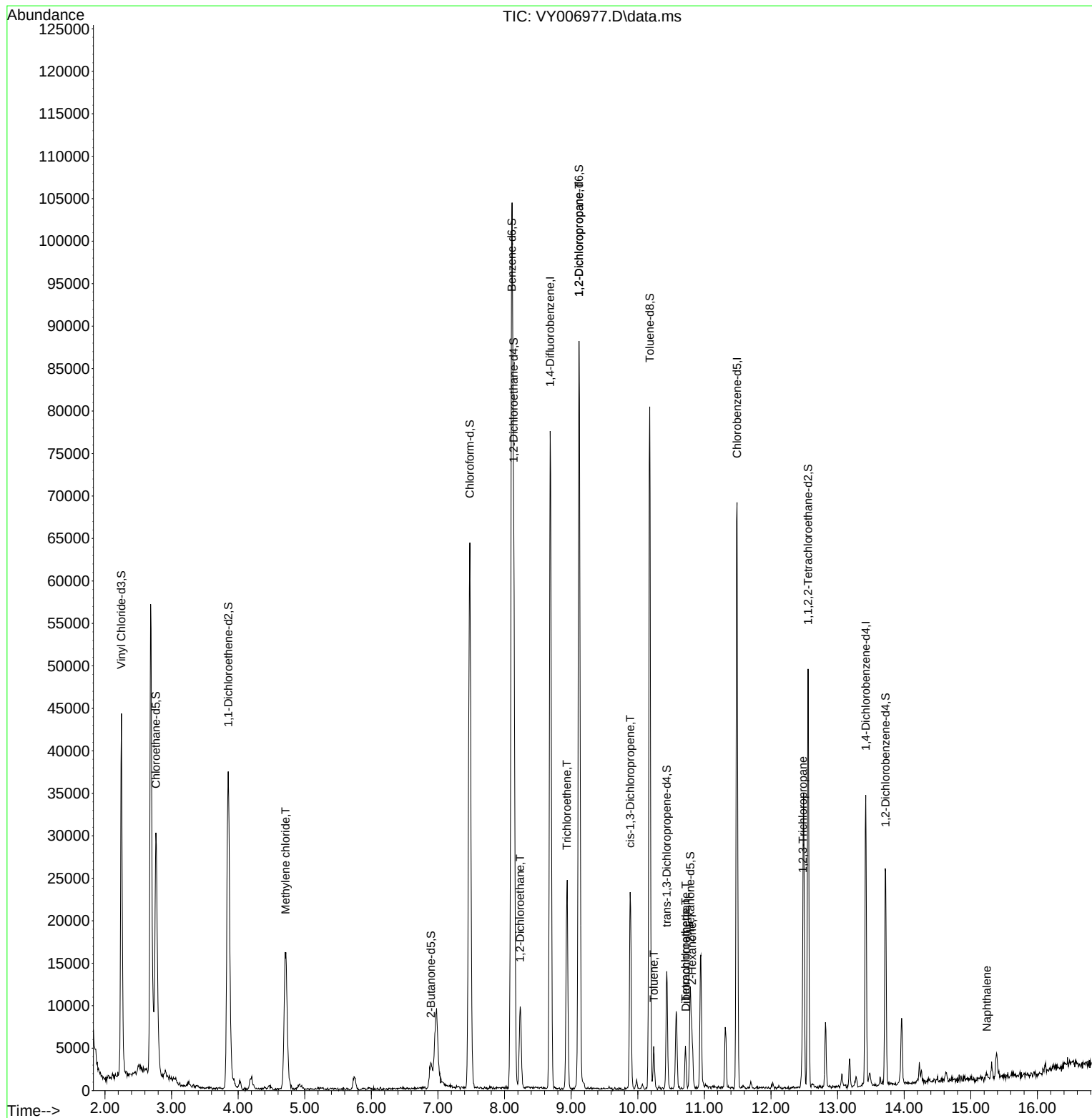
Internal Standards						
1) 1,4-Difluorobenzene	8.685	114	60746	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.490	117	32743	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.422	152	8020	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	42852	54.773	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 219.080%#	
7) Chloroethane-d5	2.766	69	30837	50.246	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 201.000%#	
11) 1,1-Dichloroethene-d2	3.851	63	40716	25.033	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 100.120%	
21) 2-Butanone-d5	6.893	46	3286	10.874	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 21.740%	
24) Chloroform-d	7.478	84	61499	40.624	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 162.480%#	
26) 1,2-Dichloroethane-d4	8.137	65	38099	41.927	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 167.720%#	
32) Benzene-d6	8.106	84	87204	50.138	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 200.560%#	
36) 1,2-Dichloropropane-d6	9.118	67	39647	72.550	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 290.200%#	
41) Toluene-d8	10.179	98	49059	30.116	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 120.480%	
43) trans-1,3-Dichloroprop...	10.435	79	6796	25.711	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 102.840%	
47) 2-Hexanone-d5	10.789	63	3482	27.530	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 55.060%	
56) 1,1,2,2-Tetrachloroeth...	12.557	84	22150	48.651	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 194.600%#	
66) 1,2-Dichlorobenzene-d4	13.721	152	5860	22.406	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 89.640%	
Target Compounds						
16) Methylene chloride	4.710	84	11765	10.800	ug/L	94
27) 1,2-Dichloroethane	8.234	62	8301	6.897	ug/L	96
34) Trichloroethene	8.935	95	7840	14.459	ug/L	89
37) 1,2-Dichloropropane	9.118	63	4744	8.407	ug/L #	87
39) cis-1,3-Dichloropropene	9.886	75	639	0.721	ug/L #	62
42) Toluene	10.240	91	3401	1.448	ug/L	94
46) Tetrachloroethene	10.715	164	956	2.104	ug/L	88
48) 2-Hexanone	10.813	43	4331	13.334	ug/L #	44
49) Dibromochloromethane	10.721	129	359	0.710	ug/L #	12
61) 1,2,3-Trichloropropane	12.477	75	271	1.390	ug/L #	39
71) Naphthalene	15.239	128	426	0.733	ug/L #	69

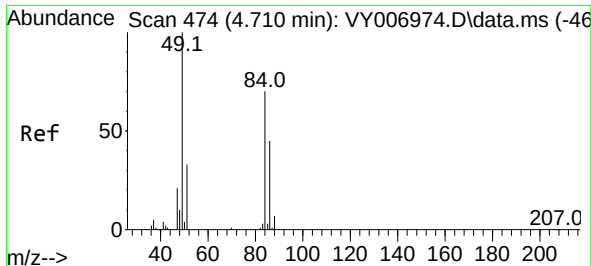
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 3.97g/10.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

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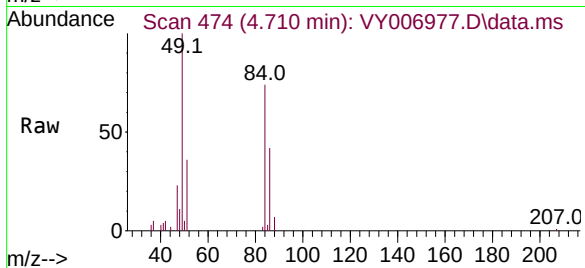
Quant Time: Dec 07 04:14:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120321SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 07 04:00:28 2021
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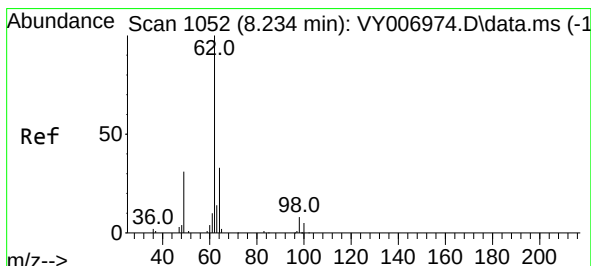
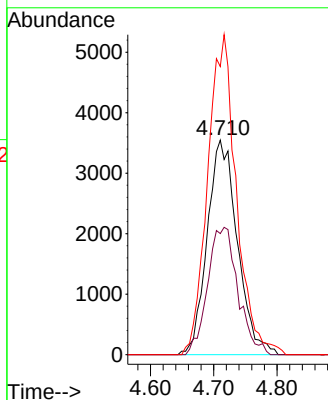
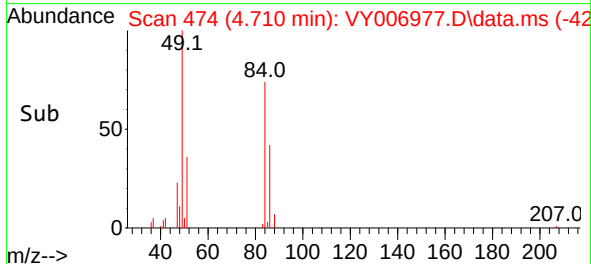


#16
Methylene chloride
Concen: 10.800 ug/L
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY006977.D
Acq: 06 Dec 2021 23:10

Instrument :
MSVOA_Y
ClientSampleId :

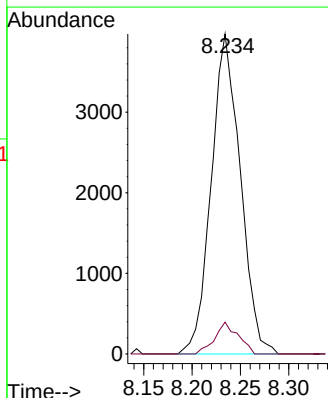
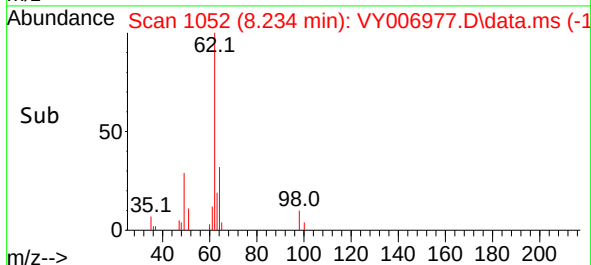
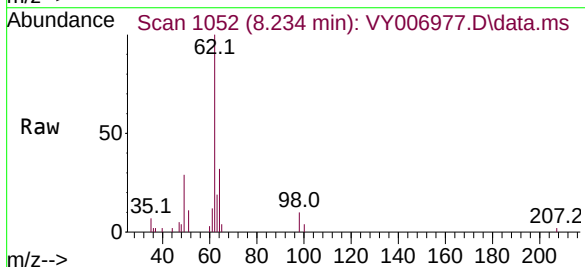


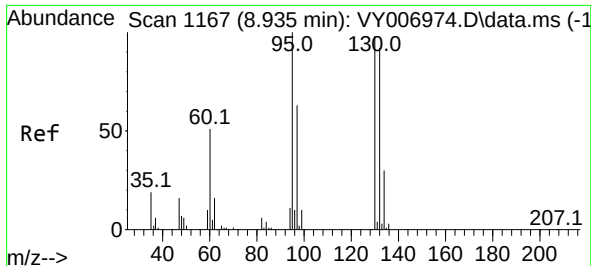
Tgt Ion: 84 Resp: 11765
Ion Ratio Lower Upper
84 100
86 56.4 43.4 80.6
49 134.3 89.1 165.5



#27
1,2-Dichloroethane
Concen: 6.897 ug/L
RT: 8.234 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VY006977.D
Acq: 06 Dec 2021 23:10

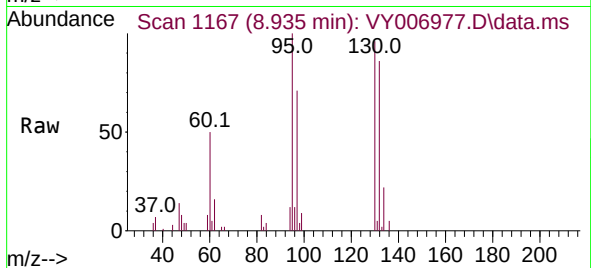
Tgt Ion: 62 Resp: 8301
Ion Ratio Lower Upper
62 100
98 10.0 6.9 10.3



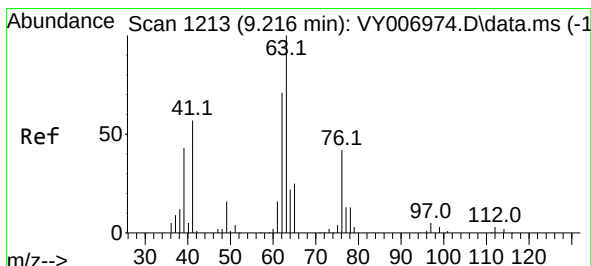
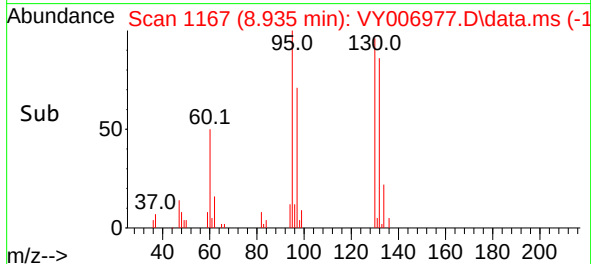
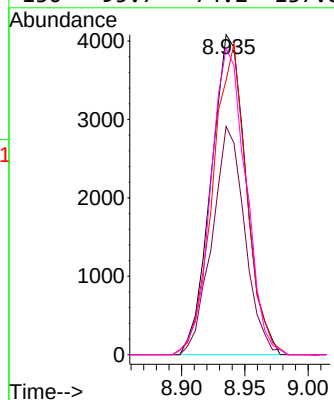


#34
 Trichloroethene
 Concen: 14.459 ug/L
 RT: 8.935 min Scan# 1167
 Delta R.T. 0.000 min
 Lab File: VY006977.D
 Acq: 06 Dec 2021 23:10

Instrument :
 MSVOA_Y
 ClientSampleId :

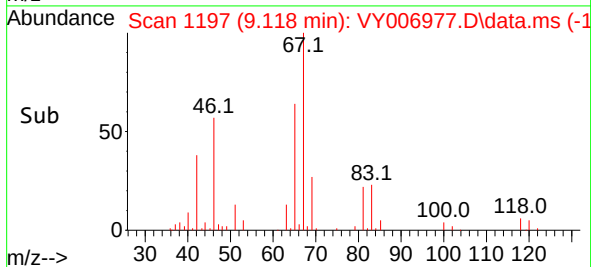
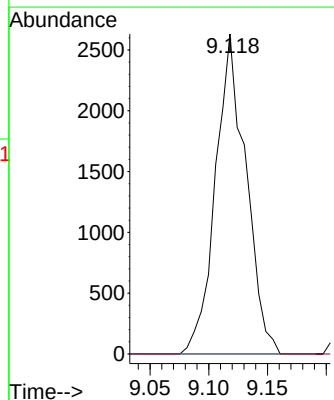
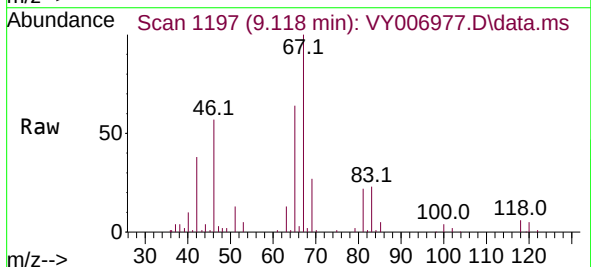


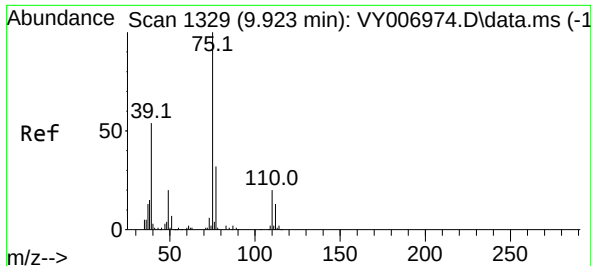
Tgt Ion: 95	Resp: 7840
Ion Ratio	Lower Upper
95 100	
97 71.3	47.3 87.8
132 85.8	71.3 132.5
130 95.7	74.2 137.8



#37
 1,2-Dichloropropane
 Concen: 8.407 ug/L
 RT: 9.118 min Scan# 1197
 Delta R.T. -0.098 min
 Lab File: VY006977.D
 Acq: 06 Dec 2021 23:10

Tgt Ion: 63	Resp: 4744
Ion Ratio	Lower Upper
63 100	
112 0.0	3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.721 ug/L

RT: 9.886 min Scan# 11

Delta R.T. -0.037 min

Lab File: VY006977.D

Acq: 06 Dec 2021 23:10

Instrument :

MSVOA_Y

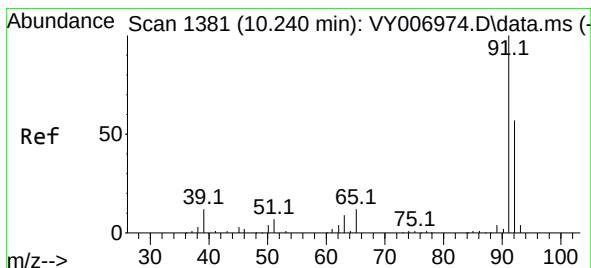
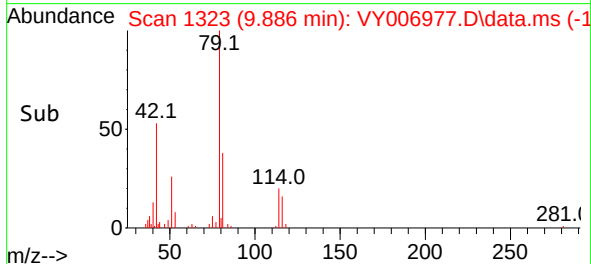
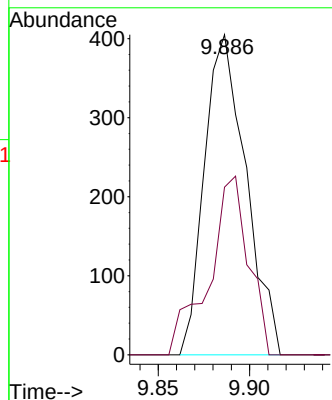
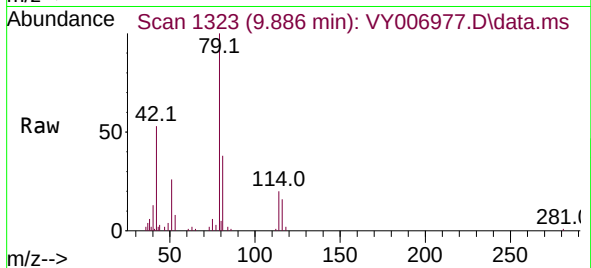
ClientSampleId :

Tgt Ion: 75 Resp: 639

Ion Ratio Lower Upper

75 100

77 52.3 21.8 40.6#



#42

Toluene

Concen: 1.448 ug/L

RT: 10.240 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VY006977.D

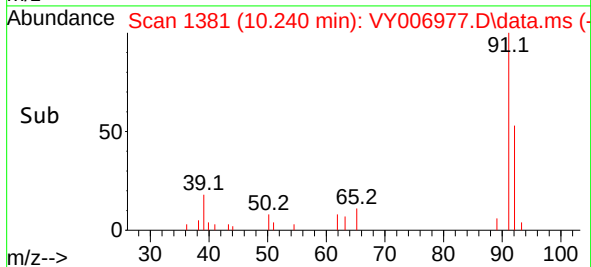
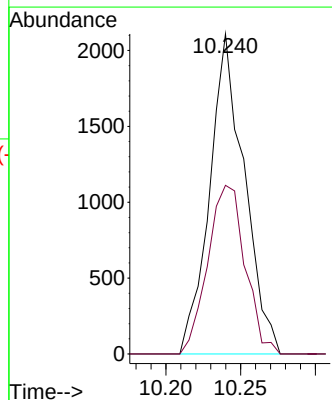
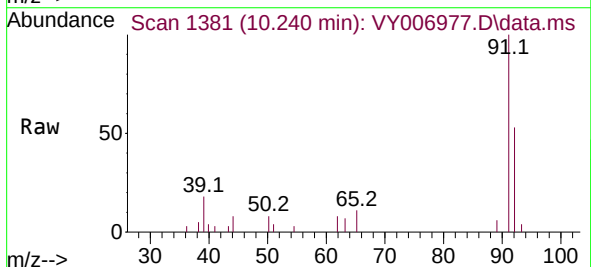
Acq: 06 Dec 2021 23:10

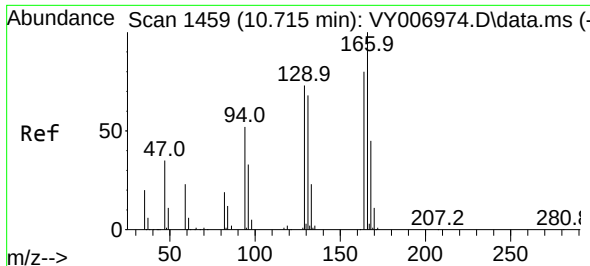
Tgt Ion: 91 Resp: 3401

Ion Ratio Lower Upper

91 100

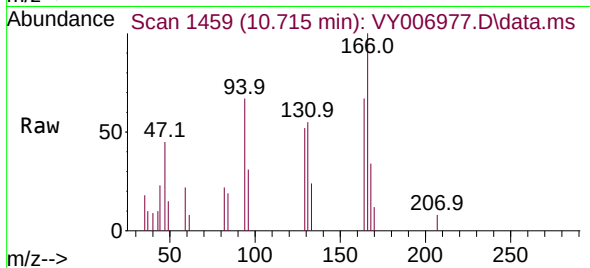
92 52.7 39.8 74.0



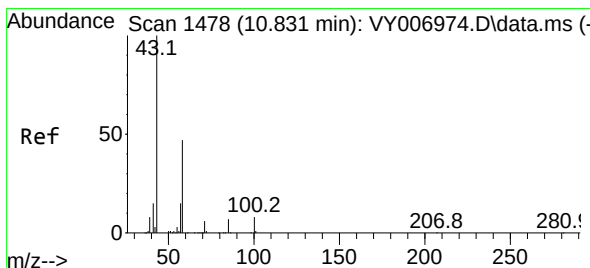
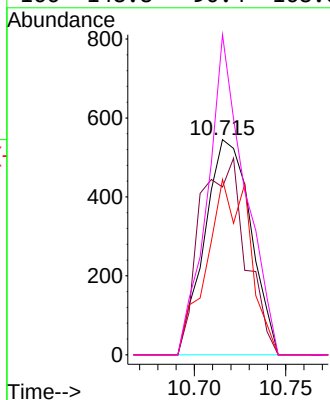
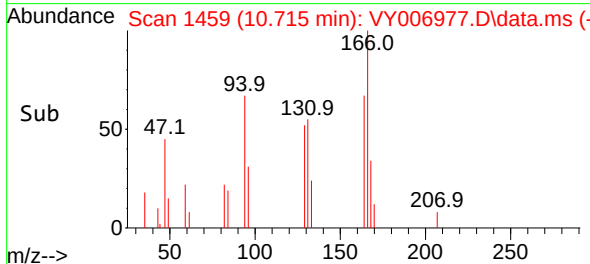


#46
Tetrachloroethene
Concen: 2.104 ug/L
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY006977.D
Acq: 06 Dec 2021 23:10

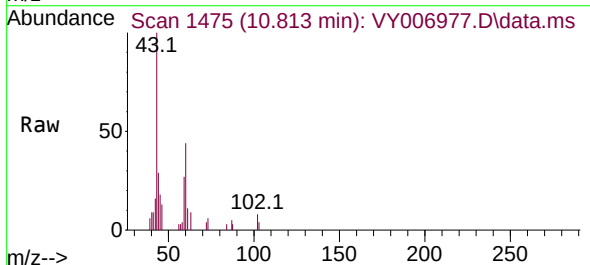
Instrument :
MSVOA_Y
ClientSampleId :



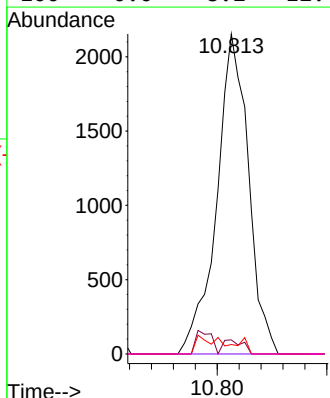
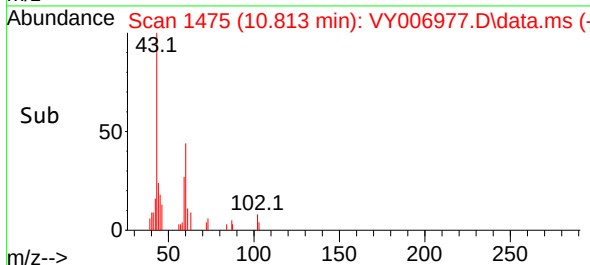
Tgt Ion:	164	Resp:	956
Ion	Ratio	Lower	Upper
164	100		
129	78.0	62.1	115.3
131	81.5	61.0	113.2
166	148.8	90.4	168.0

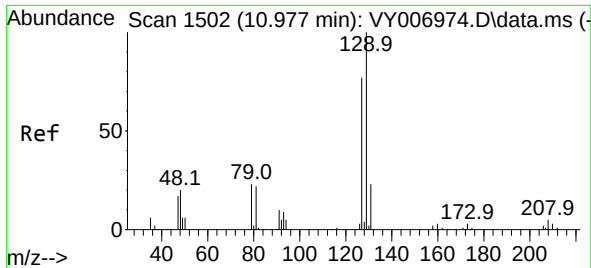


#48
2-Hexanone
Concen: 13.334 ug/L
RT: 10.813 min Scan# 1475
Delta R.T. -0.018 min
Lab File: VY006977.D
Acq: 06 Dec 2021 23:10



Tgt Ion:	43	Resp:	4331
Ion	Ratio	Lower	Upper
43	100		
58	2.7	39.9	59.9#
57	1.4	14.2	21.4#
100	0.0	8.2	12.4#

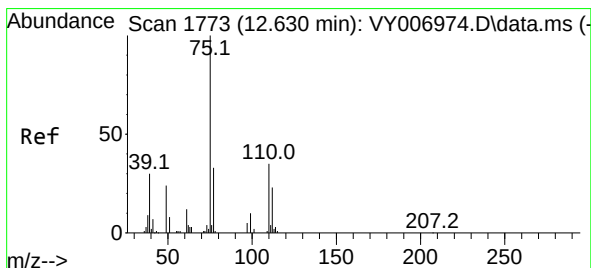
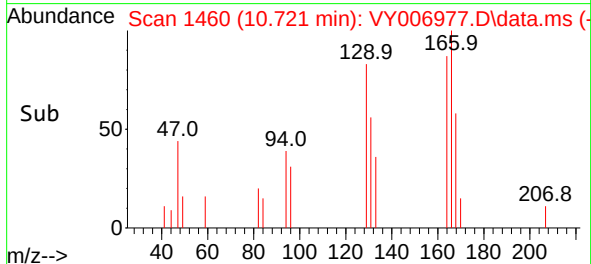
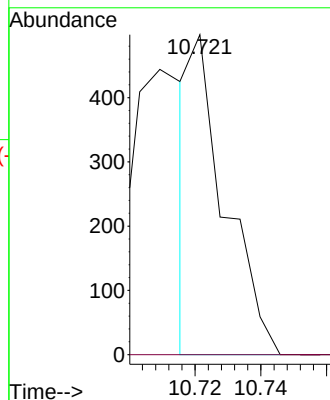
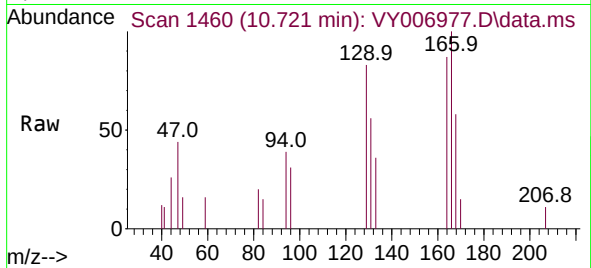




#49
Dibromochloromethane
Concen: 0.710 ug/L
RT: 10.721 min Scan# 14
Delta R.T. -0.256 min
Lab File: VY006977.D
Acq: 06 Dec 2021 23:10

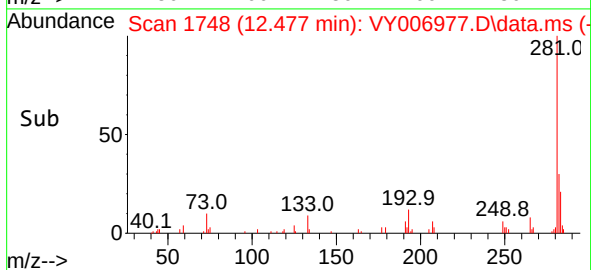
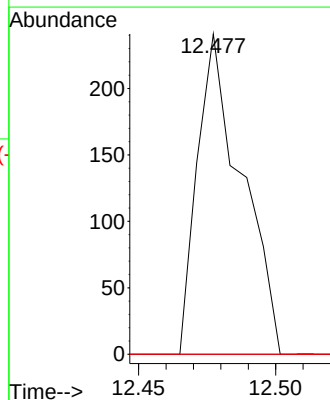
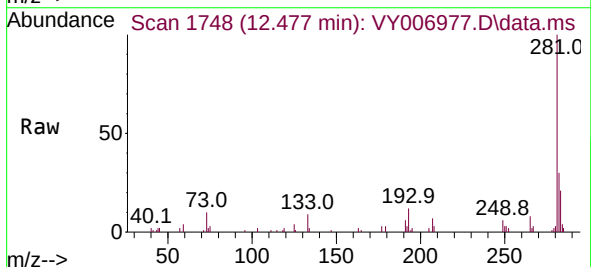
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ClientSampleId :

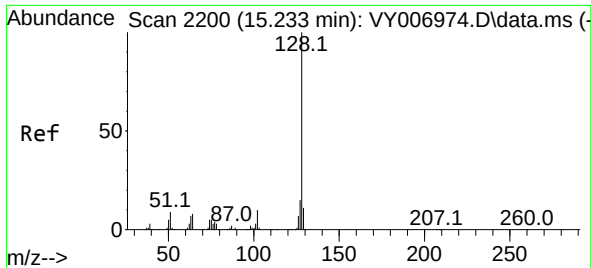
Tgt Ion:129 Resp: 359
Ion Ratio Lower Upper
129 100
127 0.0 52.1 96.9#



#61
1,2,3-Trichloropropane
Concen: 1.390 ug/L
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY006977.D
Acq: 06 Dec 2021 23:10

Tgt Ion: 75 Resp: 271
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
110 0.0 31.7 47.5#





#71

Naphthalene

Concen: 0.733 ug/L

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

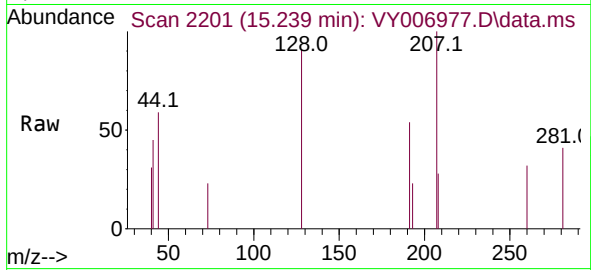
Lab File: VY006977.D

Acq: 06 Dec 2021 23:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 426

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.7 13.1#

