

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074824.D
 Acq On : 09 Nov 2022 13:27
 Operator : VA/SY
 Sample : N5479-02RE
 Misc : 6.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TUL-ROS-1104

Quant Time: Nov 09 14:04:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

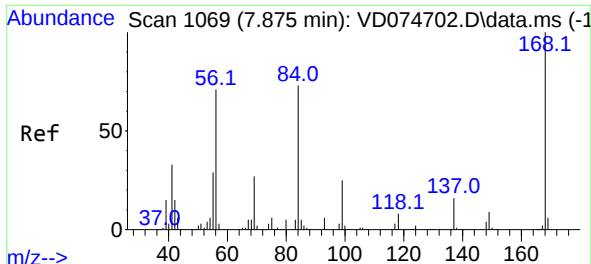
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	169125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	302517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	250789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	89538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	53259	39.760	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.520%		
35) Dibromofluoromethane	7.805	113	70990	39.670	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.340%		
50) Toluene-d8	10.269	98	217403	33.305	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	66.620%		
62) 4-Bromofluorobenzene	12.569	95	71161	37.757	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.520%		
Target Compounds					Qvalue	
16) Acetone	4.017	43	8121	29.052	ug/l	93
20) Methylene Chloride	4.799	84	11220	Below Cal		96
31) Cyclohexane	7.881	56	3217	1.186	ug/l #	11
36) 1,1-Dichloropropene	7.881	75	12484	4.596	ug/l #	46
38) Carbon Tetrachloride	7.875	117	15701	6.101	ug/l #	18
55) 1,1,2-Trichloroethane	10.710	97	3490	2.497	ug/l #	25
59) 2-Hexanone	10.887	43	6489	11.537	ug/l #	18
74) N-amyl acetate	12.210	43	40195	37.829	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.657	83	6848	6.230	ug/l #	37
76) 1,2,3-Trichloropropane	12.569	75	33191	47.819	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	33191	113.509	ug/l #	21
83) tert-Butylbenzene	13.163	119	10784	2.293	ug/l	85
85) sec-Butylbenzene	13.346	105	39452	5.560	ug/l	79
86) p-Isopropyltoluene	13.457	119	11232	1.879	ug/l	98
89) n-Butylbenzene	13.787	91	12309	2.252	ug/l #	80
90) Hexachloroethane	14.063	117	29759	29.045	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.463	75	1051	6.917	ug/l #	1
95) Naphthalene	15.292	128	9098	2.884	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.487	180	4538	3.140	ug/l #	1

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

Quant Time: Nov 09 14:04:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 03 02:30:45 2022
Response via : Initial Calibration

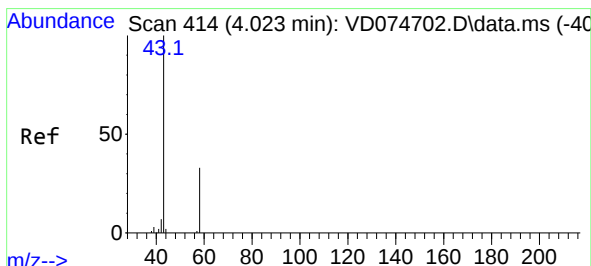
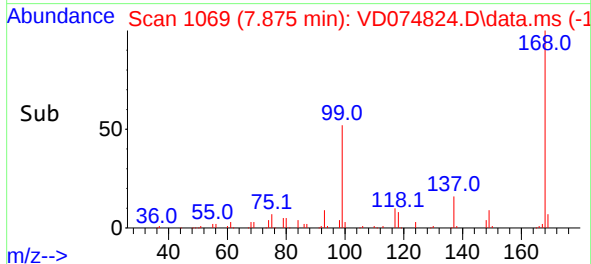
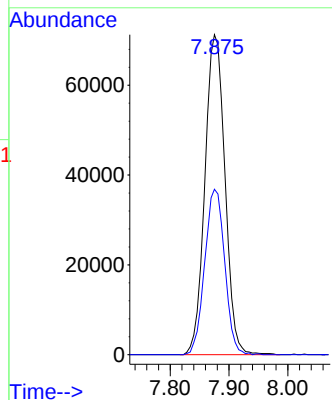
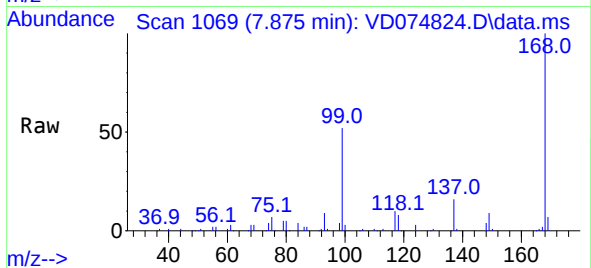




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

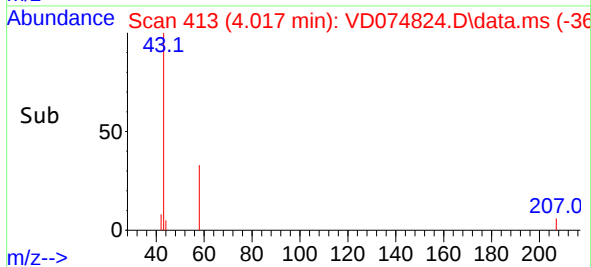
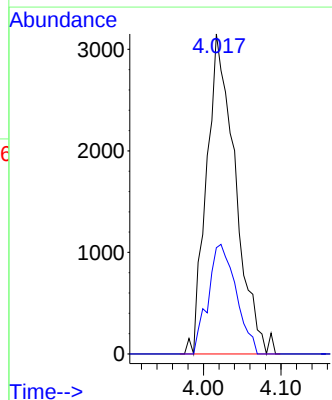
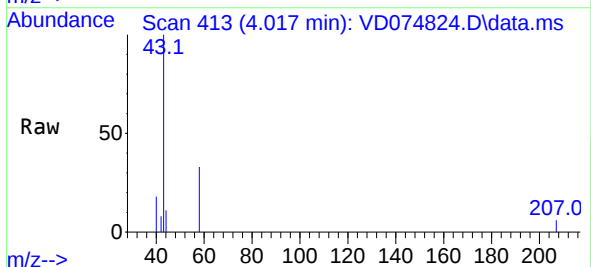
Instrument :
MSVOA_D
ClientSampleId :
TUL-ROS-1104

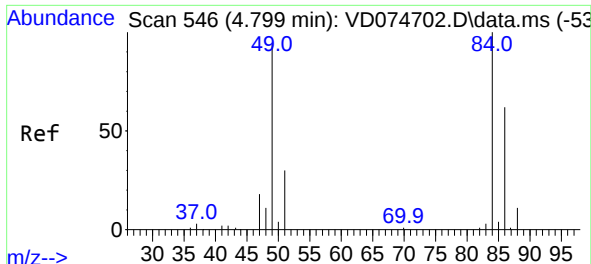
Tgt Ion:168 Resp: 169125
Ion Ratio Lower Upper
168 100
99 51.7 40.9 61.3



#16
Acetone
Concen: 29.052 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion: 43 Resp: 8121
Ion Ratio Lower Upper
43 100
58 33.2 30.2 45.2



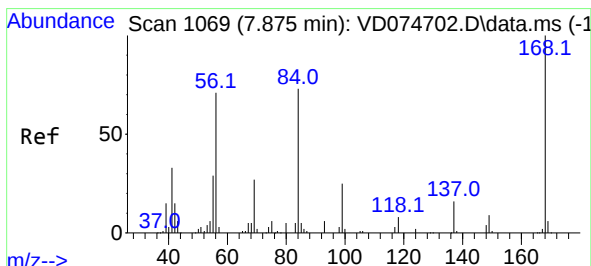
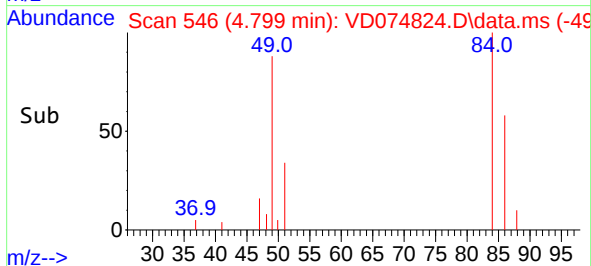
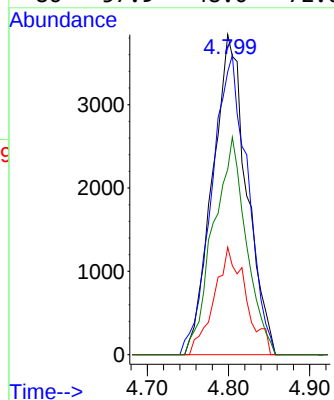
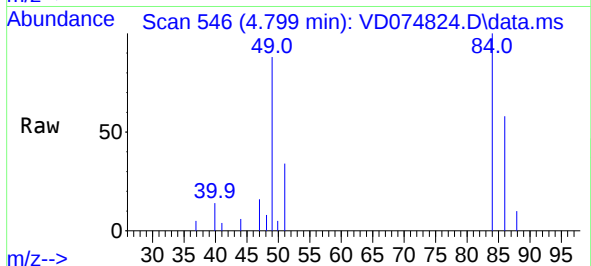


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Instrument :
MSVOA_D
ClientSampleId :
TUL-ROS-1104

Tgt Ion: 84 Resp: 11220

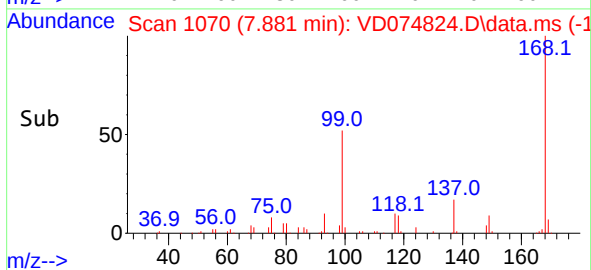
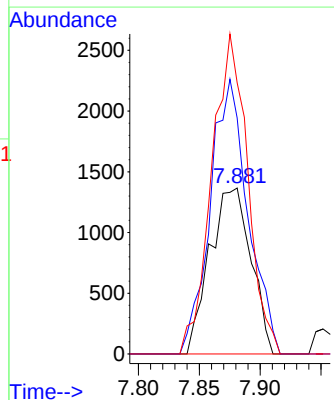
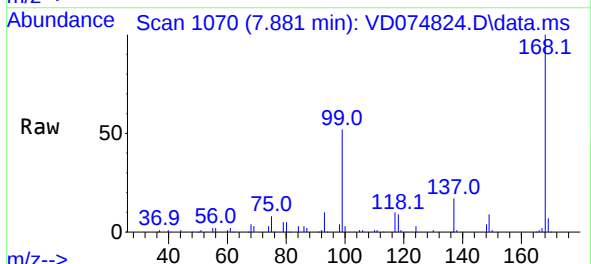
Ion	Ratio	Lower	Upper
84	100		
49	88.4	68.0	102.0
51	33.6	23.2	34.8
86	57.9	48.0	72.0

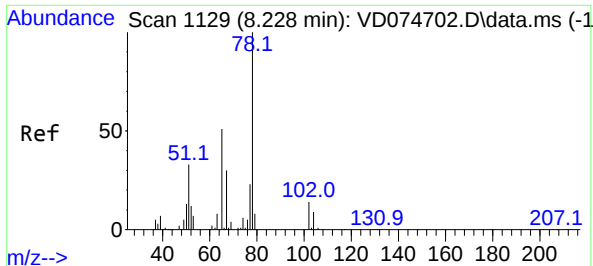


#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion: 56 Resp: 3217

Ion	Ratio	Lower	Upper
56	100		
69	142.3	29.2	43.8#
84	163.5	83.4	125.2#





#33

1,2-Dichloroethane-d4

Concen: 39.760 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074824.D

Acq: 09 Nov 2022 13:27

Instrument :

MSVOA_D

ClientSampleId :

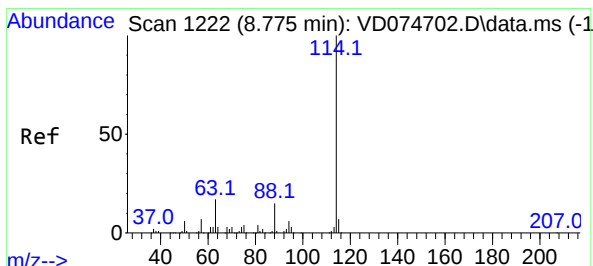
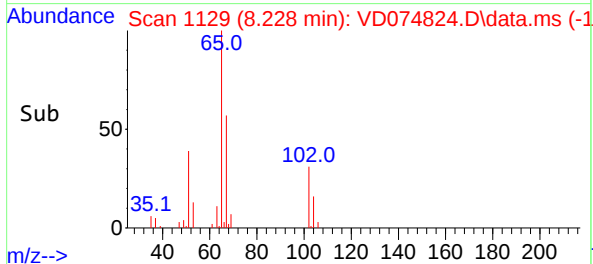
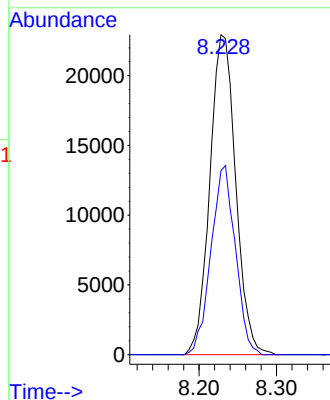
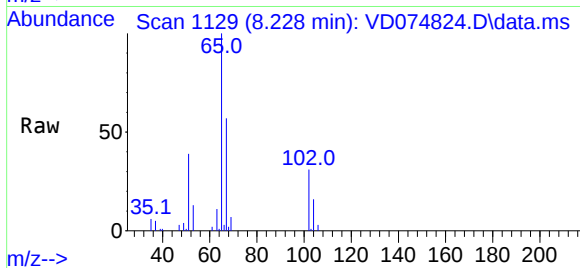
TUL-ROS-1104

Tgt Ion: 65 Resp: 53259

Ion Ratio Lower Upper

65 100

67 55.7 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074824.D

Acq: 09 Nov 2022 13:27

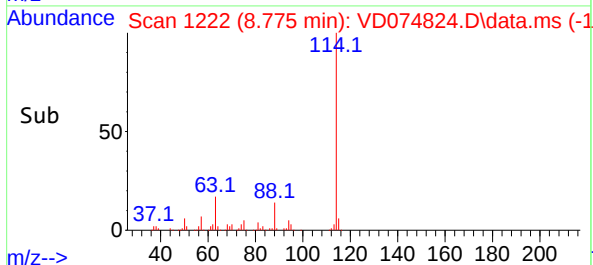
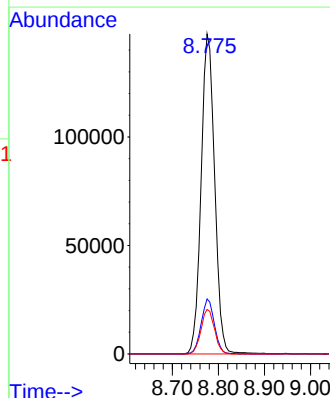
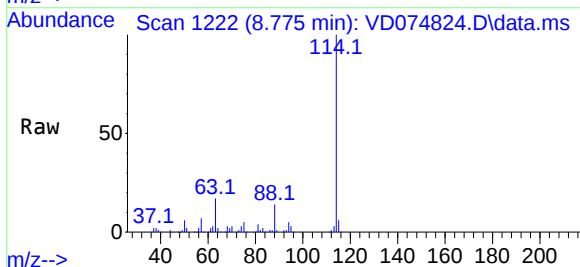
Tgt Ion: 114 Resp: 302517

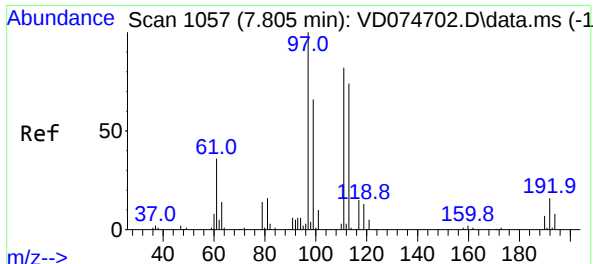
Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.2

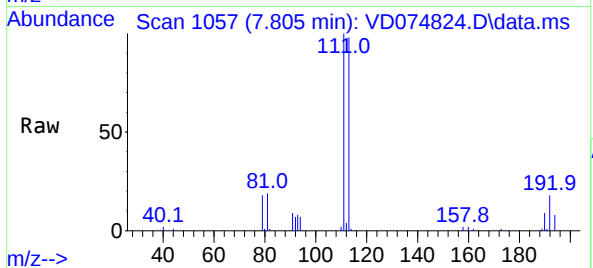
88 13.9 0.0 28.2



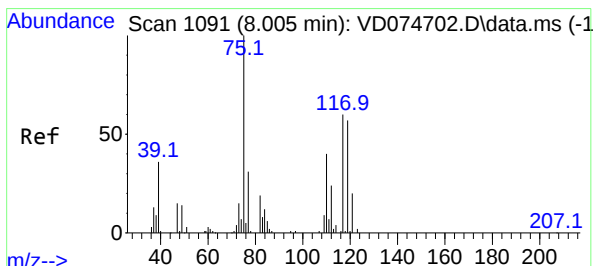
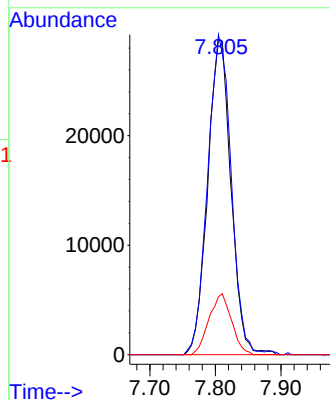
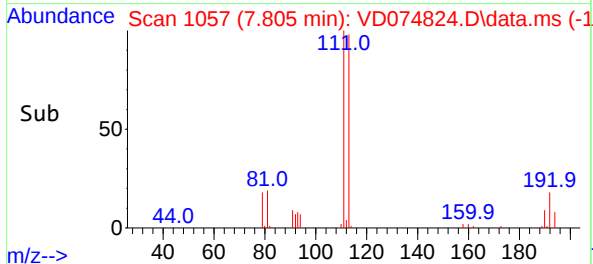


#35
Dibromofluoromethane
Concen: 39.670 ug/l
RT: 7.805 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

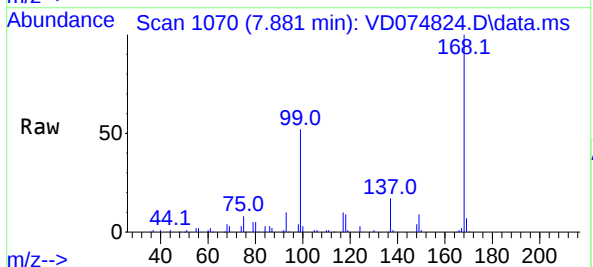
Instrument :
MSVOA_D
ClientSampleId :
TUL-ROS-1104



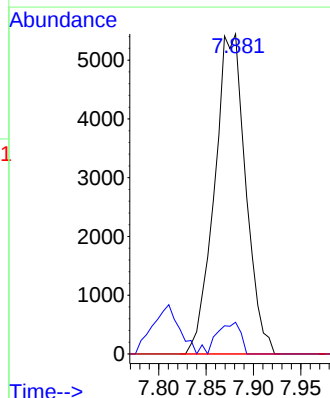
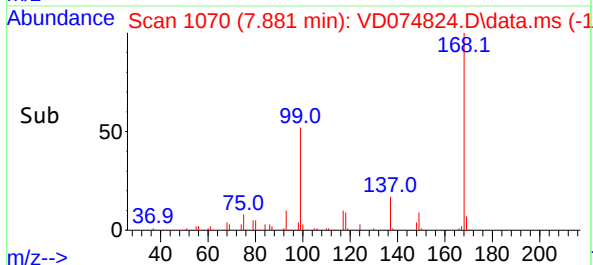
Tgt Ion:113 Resp: 70990
Ion Ratio Lower Upper
113 100
111 102.7 82.3 123.5
192 18.7 16.4 24.6

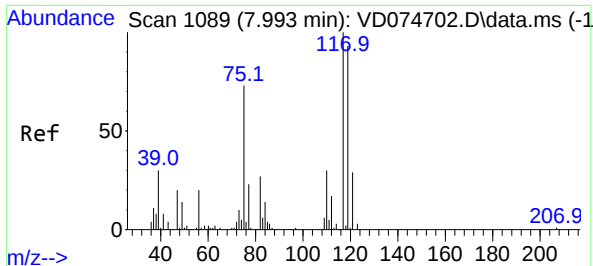


#36
1,1-Dichloropropene
Concen: 4.596 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27



Tgt Ion: 75 Resp: 12484
Ion Ratio Lower Upper
75 100
110 7.6 19.7 59.0#
77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 6.101 ug/l

RT: 7.875 min Scan# 1089

Delta R.T. -0.118 min

Lab File: VD074824.D

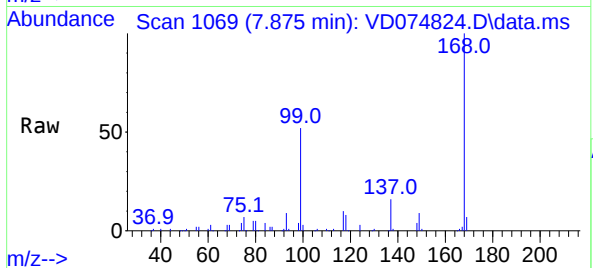
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Instrument :

MSVOA_D

ClientSampleId :

TUL-ROS-1104



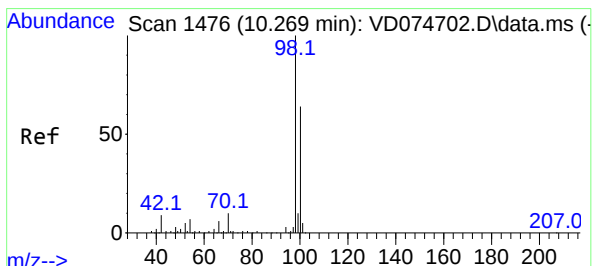
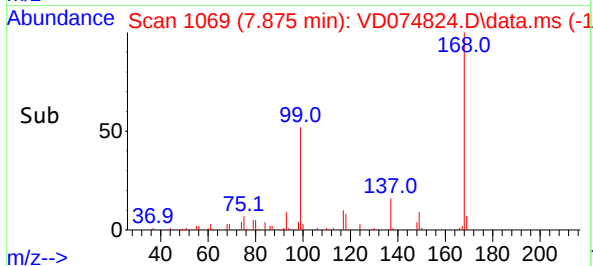
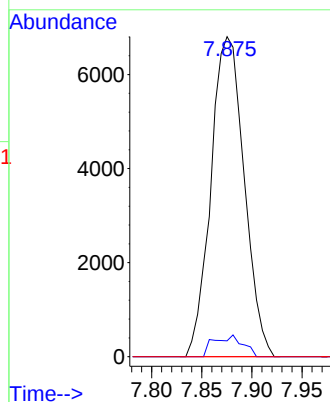
Tgt Ion:117 Resp: 15701

Ion Ratio Lower Upper

117 100

119 5.0 73.1 109.7#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 33.305 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074824.D

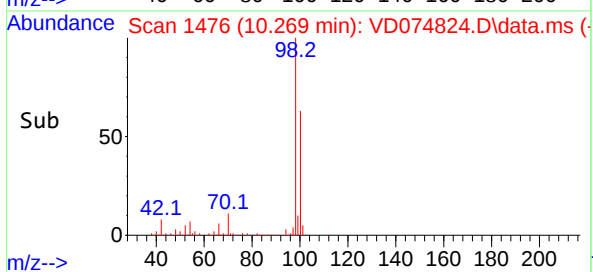
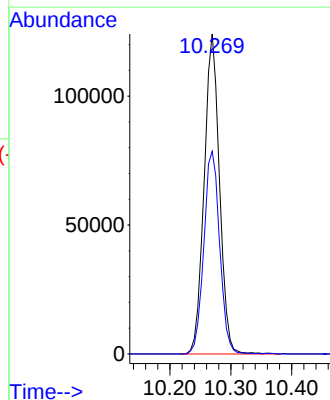
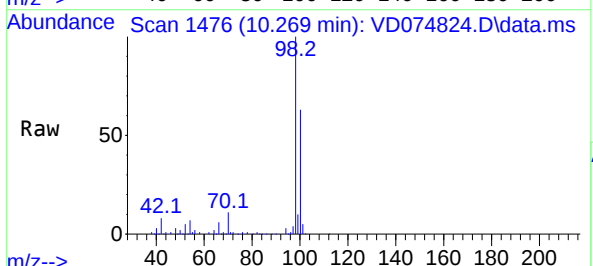
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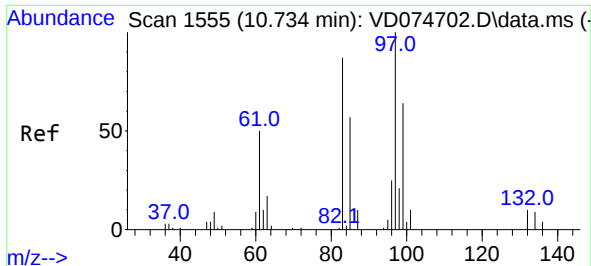
Tgt Ion: 98 Resp: 217403

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0

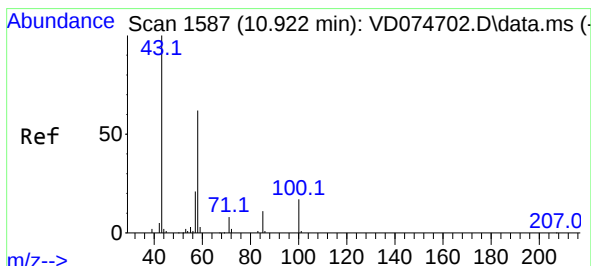
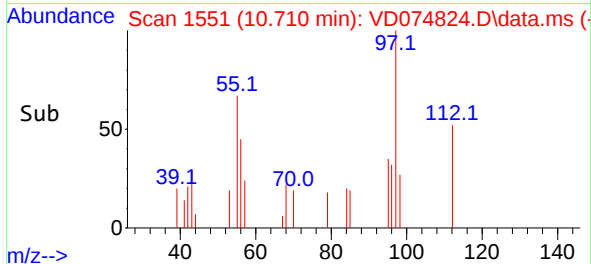
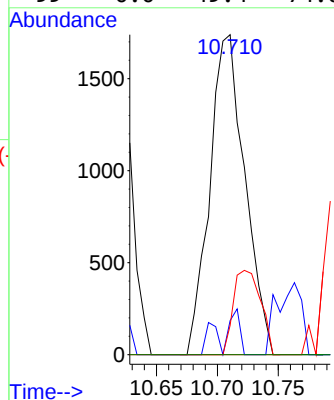
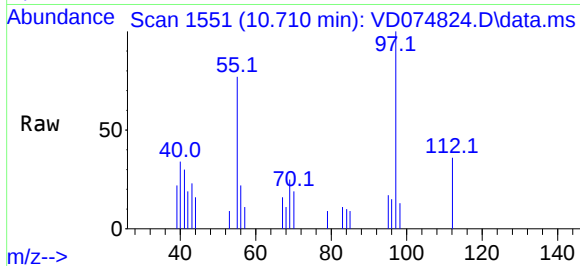




#55
1,1,2-Trichloroethane
Concen: 2.497 ug/l
RT: 10.710 min Scan# 1551
Delta R.T. -0.024 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

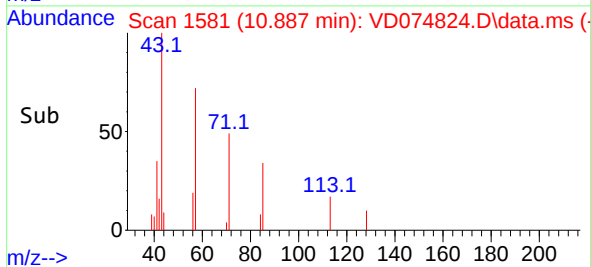
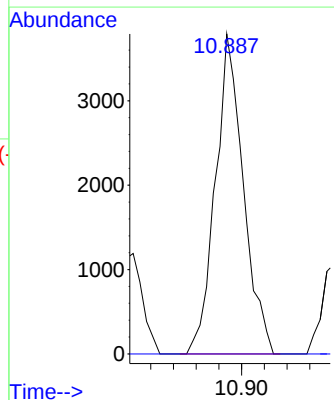
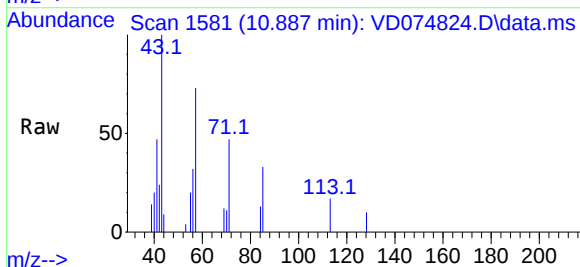
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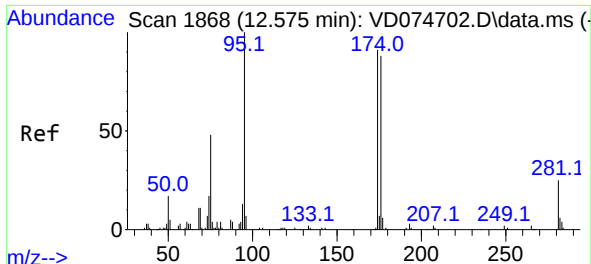
Tgt Ion: 97	Resp:	3490
Ion	Ratio	Lower Upper
97	100	
83	10.6	64.8 97.2#
85	9.1	44.8 67.2#
99	0.0	49.4 74.0#



#59
2-Hexanone
Concen: 11.537 ug/l
RT: 10.887 min Scan# 1581
Delta R.T. -0.035 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion: 43	Resp:	6489
Ion	Ratio	Lower Upper
43	100	
58	0.0	32.0 96.2#

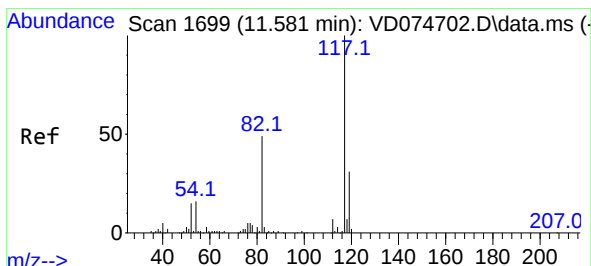
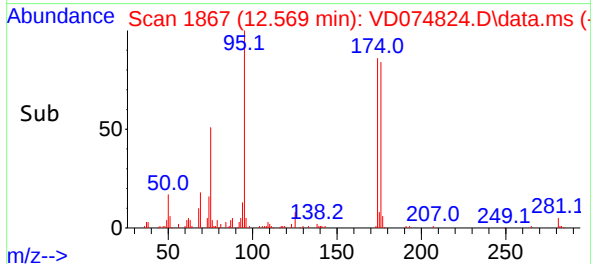
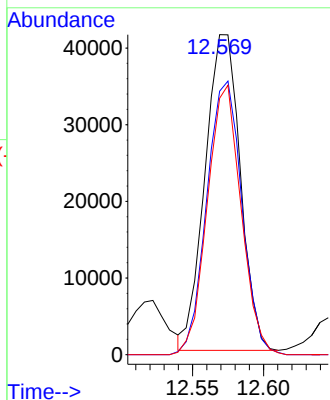
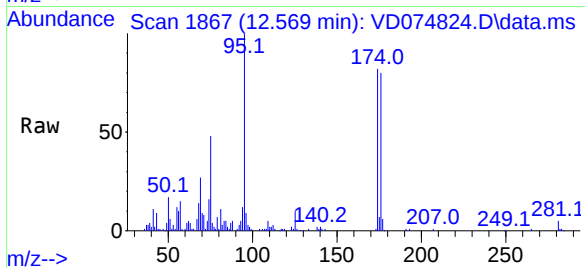




#62
4-Bromofluorobenzene
Concen: 37.757 ug/l
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

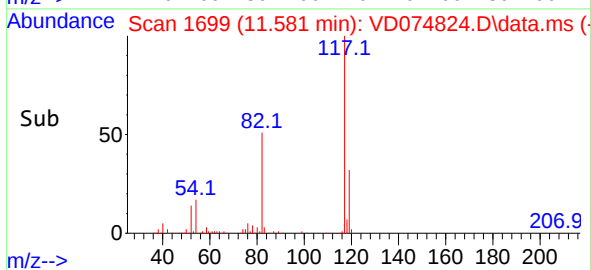
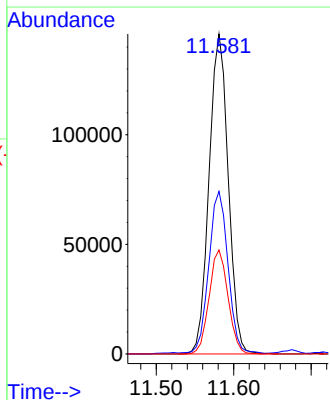
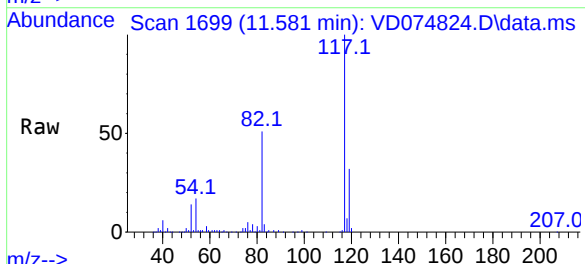
Instrument :
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TUL-ROS-1104

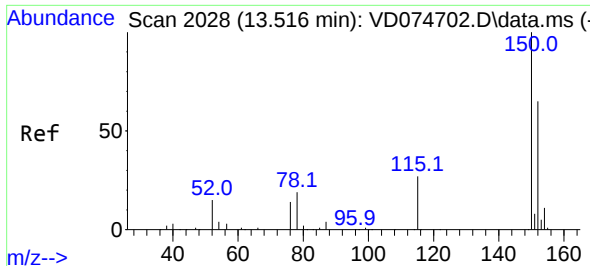
Tgt Ion:	95	Resp:	71161
Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	197.0
176	81.5	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion:	117	Resp:	250789
Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.6	62.4
119	32.5	25.2	37.8

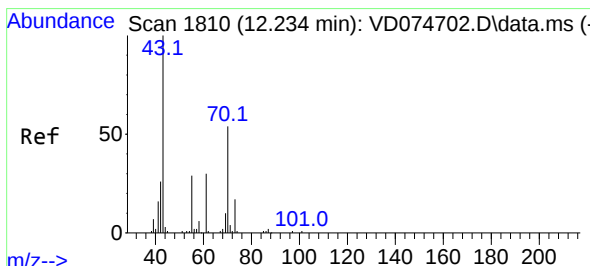
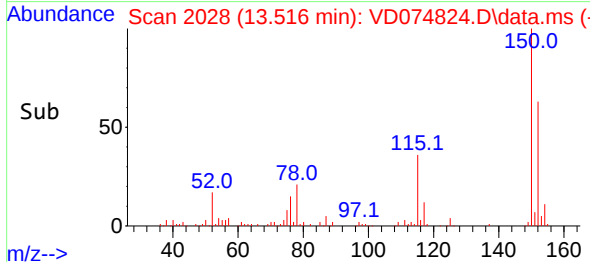
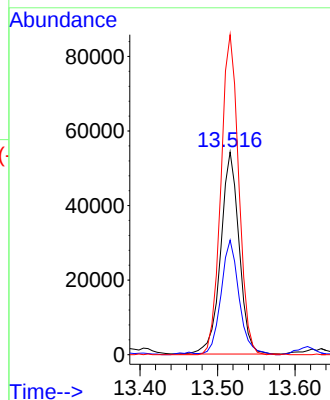
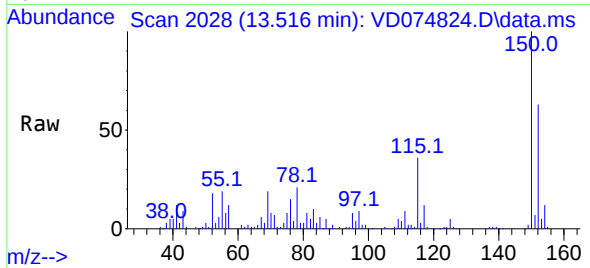




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

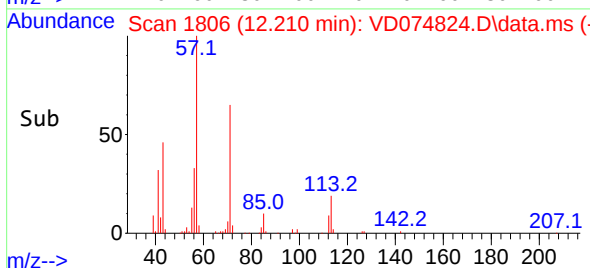
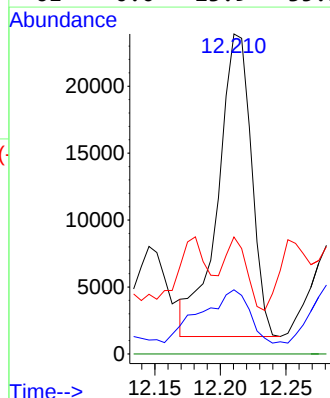
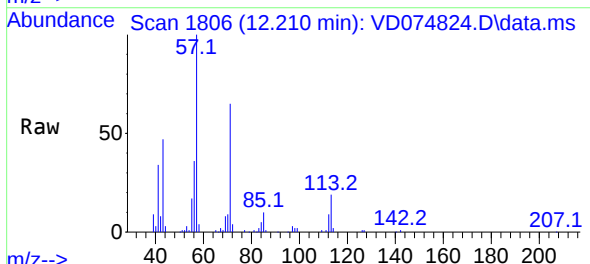
Instrument :
MSVOA_D
ClientSampleId :
TUL-ROS-1104

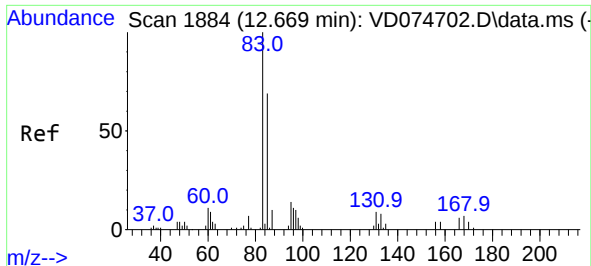
Tgt Ion:152 Resp: 89538
Ion Ratio Lower Upper
152 100
115 55.7 26.8 80.4
150 153.2 0.0 348.2



#74
N-ethyl acetate
Concen: 37.829 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.024 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion: 43 Resp: 40195
Ion Ratio Lower Upper
43 100
70 25.1 43.8 65.6#
55 14.9 22.0 33.0#
61 0.0 23.9 35.9#

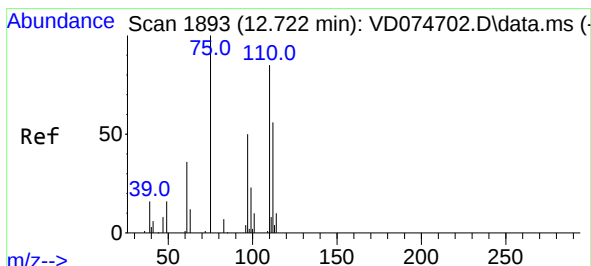
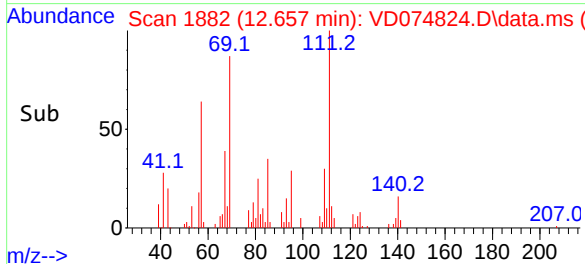
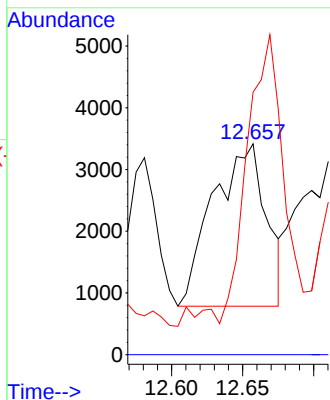
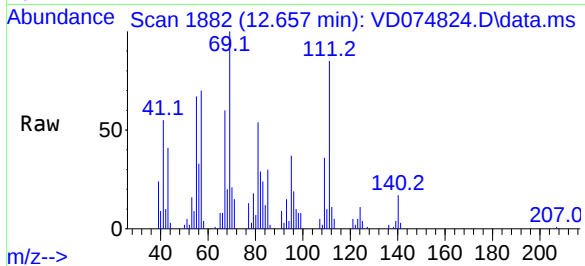




#75
1,1,2,2-Tetrachloroethane
Concen: 6.230 ug/l
RT: 12.657 min Scan# 1867
Delta R.T. -0.012 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

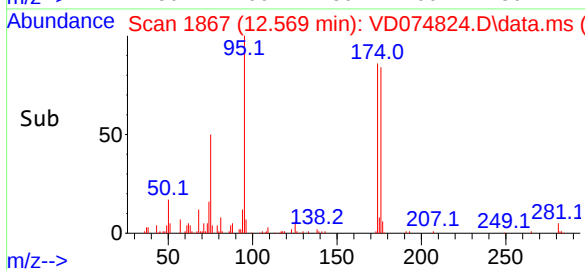
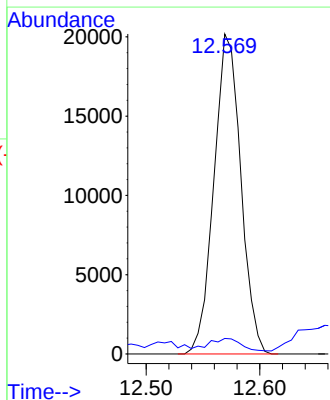
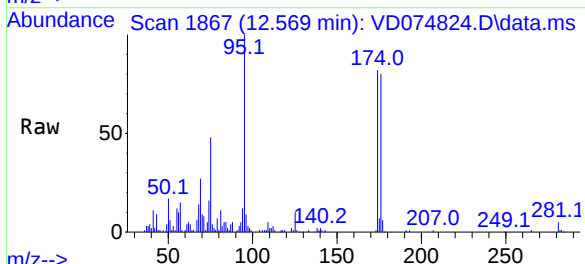
Instrument :
MSVOA_D
ClientSampleId :
TUL-ROS-1104

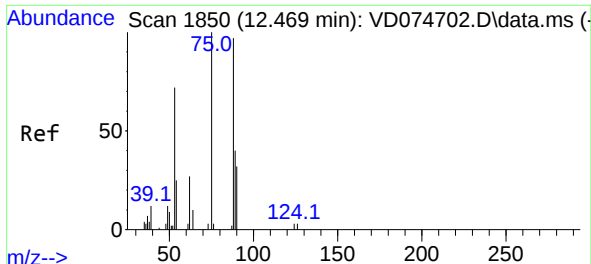
Tgt Ion: 83 Resp: 6848
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 120.0 33.1 99.2#



#76
1,2,3-Trichloropropane
Concen: 47.819 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion: 75 Resp: 33191
Ion Ratio Lower Upper
75 100
77 4.3 185.8 557.5#

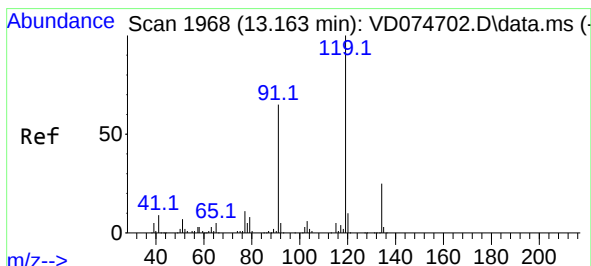
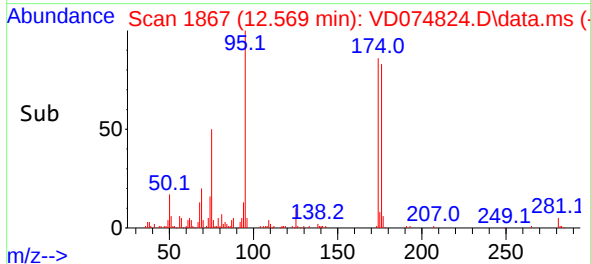
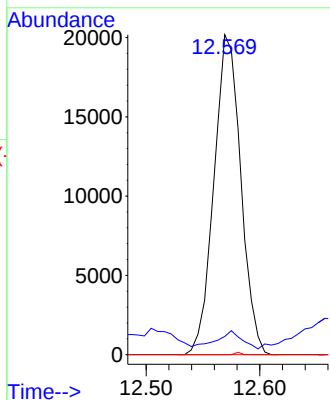
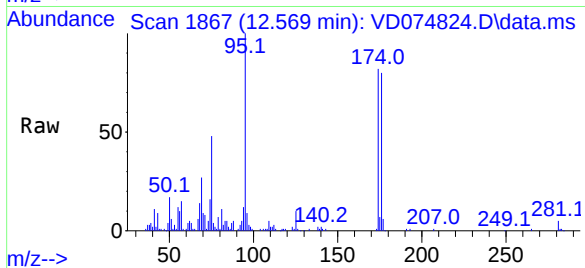




#81
trans-1,4-Dichloro-2-butene
Concen: 113.509 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.100 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

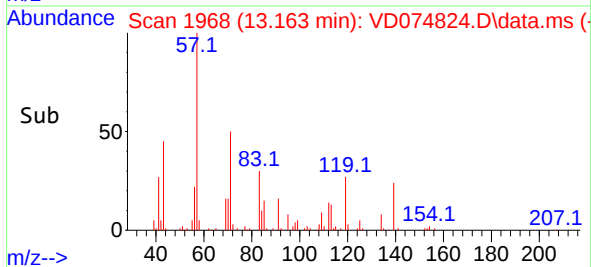
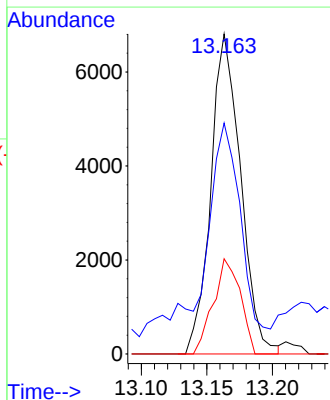
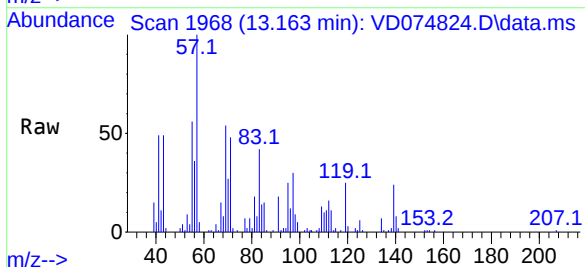
Instrument :
MSVOA_D
ClientSampleId :
TUL-ROS-1104

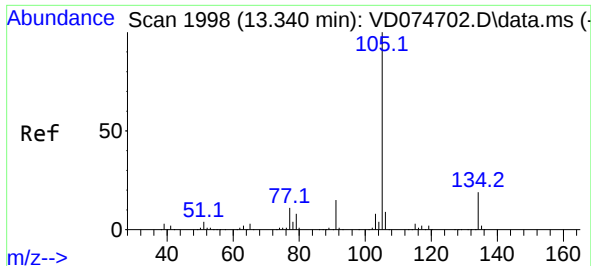
Tgt Ion: 75 Resp: 33191
Ion Ratio Lower Upper
75 100
53 5.3 63.8 95.6#
89 0.2 38.2 57.4#



#83
tert-Butylbenzene
Concen: 2.293 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion: 119 Resp: 10784
Ion Ratio Lower Upper
119 100
91 76.8 30.0 90.0
134 26.8 13.4 40.1

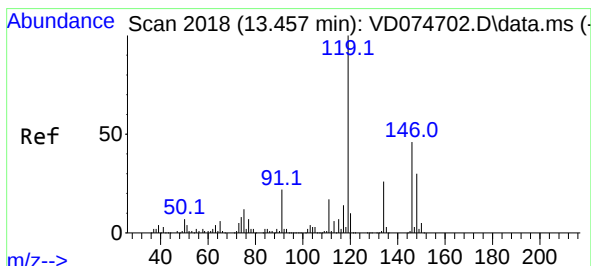
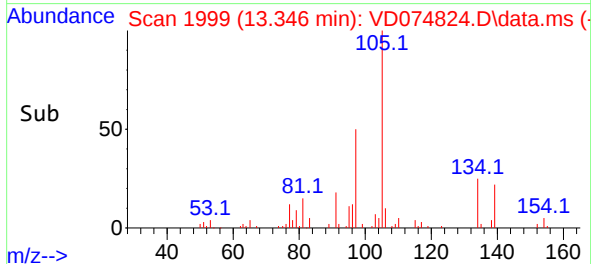
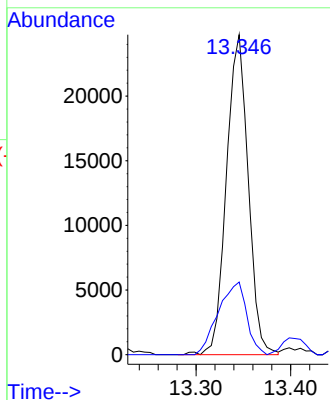
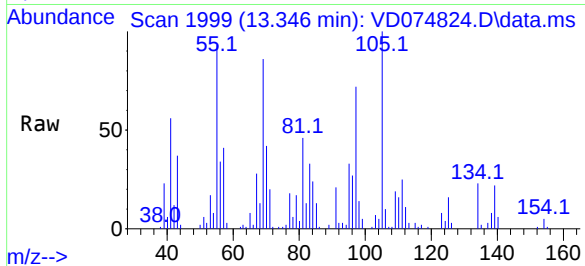




#85
 sec-Butylbenzene
 Concen: 5.560 ug/l
 RT: 13.346 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VD074824.D
 Acq: 09 Nov 2022 13:27

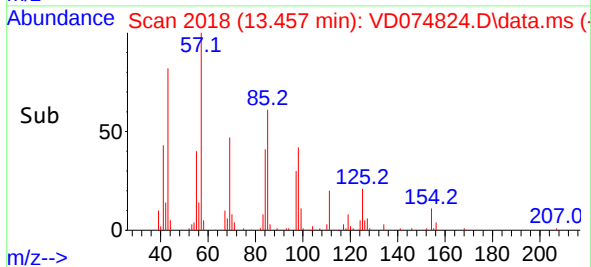
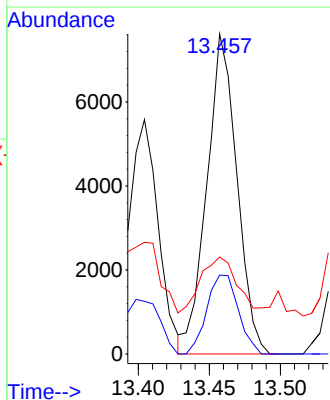
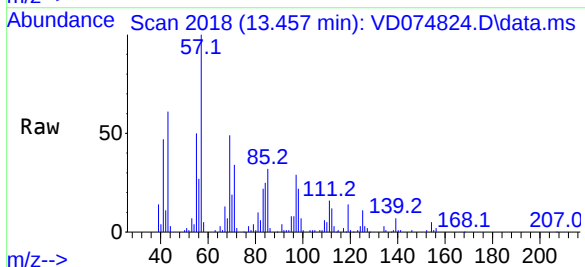
Instrument :
 MSVOA_D
 ClientSampleId :
 TUL-ROS-1104

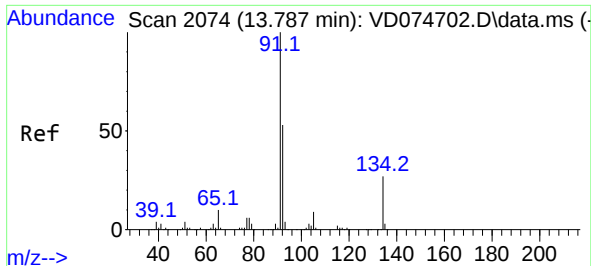
Tgt Ion:105 Resp: 39452
 Ion Ratio Lower Upper
 105 100
 134 29.4 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 1.879 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VD074824.D
 Acq: 09 Nov 2022 13:27

Tgt Ion:119 Resp: 11232
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.5 40.4
 91 20.9 10.8 32.4

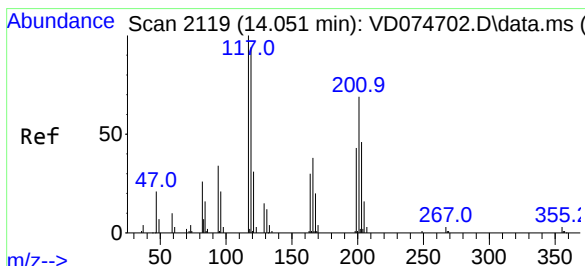
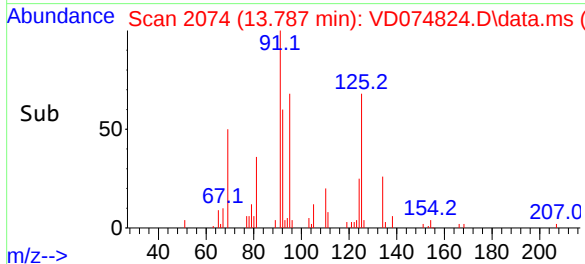
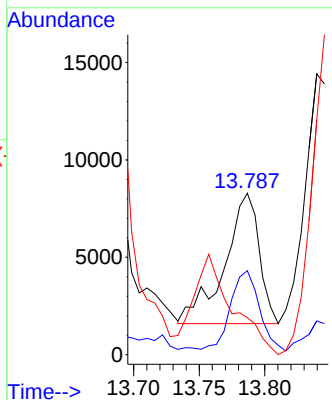
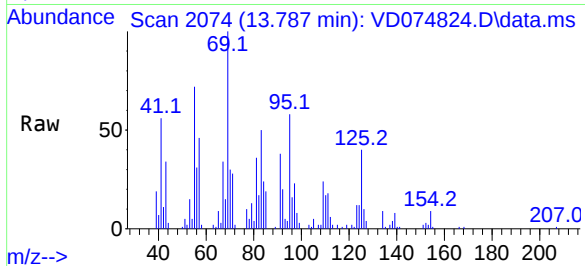




#89
n-Butylbenzene
Concen: 2.252 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

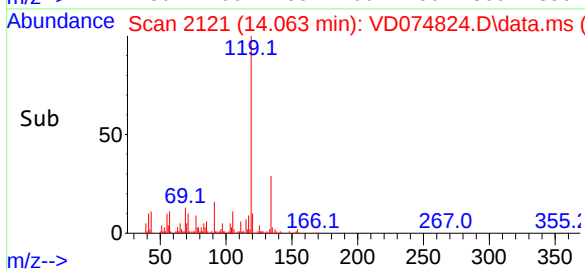
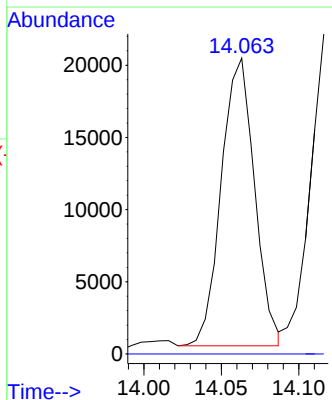
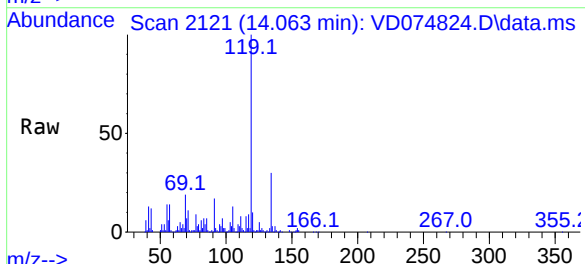
Instrument :
MSVOA_D
ClientSampleId :
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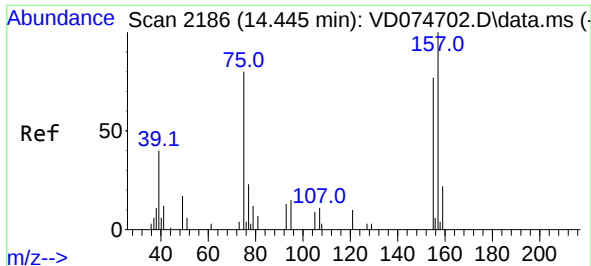
Tgt Ion: 91 Resp: 12309
Ion Ratio Lower Upper
91 100
92 51.2 26.9 80.7
134 0.0 13.4 40.2#



#90
Hexachloroethane
Concen: 29.045 ug/l
RT: 14.063 min Scan# 2121
Delta R.T. 0.012 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion: 117 Resp: 29759
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.0#

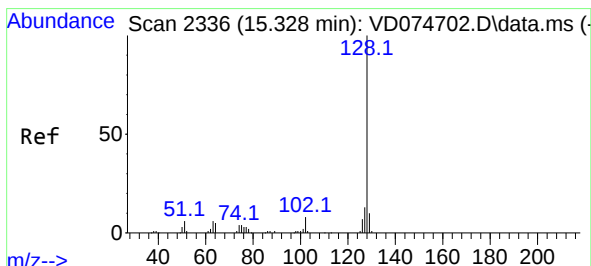
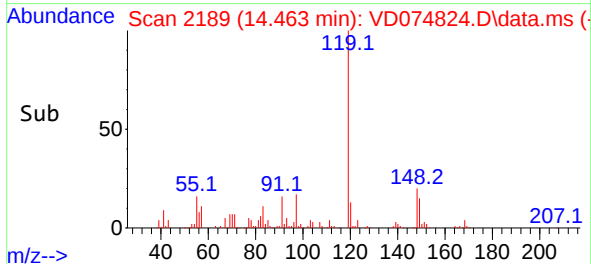
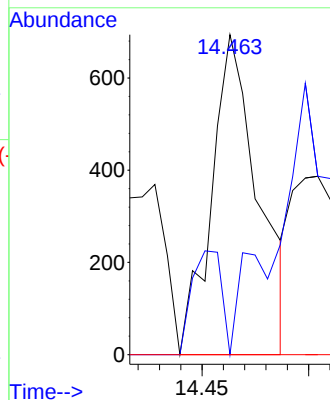
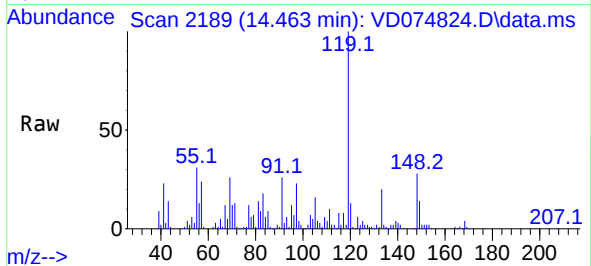




#92
1,2-Dibromo-3-Chloropropane
Concen: 6.917 ug/l
RT: 14.463 min Scan# 2186
Delta R.T. 0.018 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

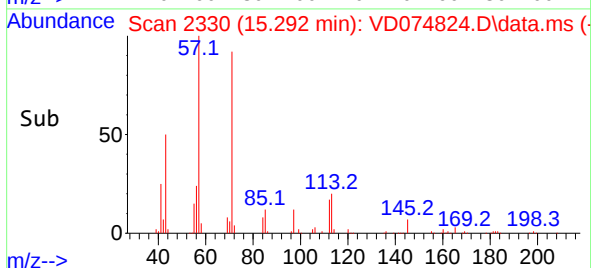
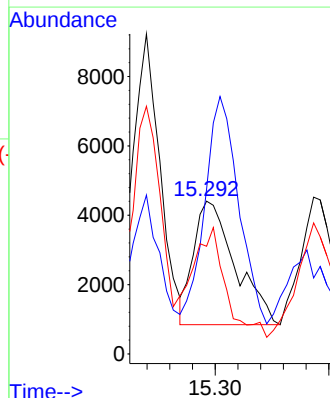
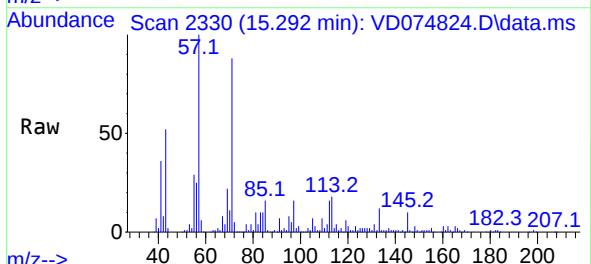
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ClientSampleId :
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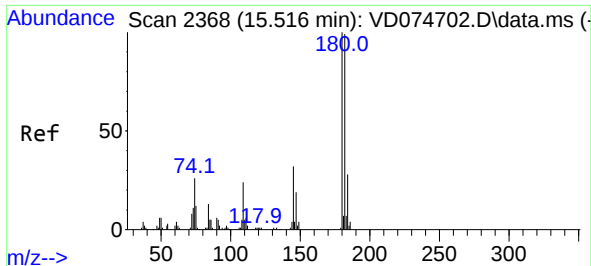
Tgt Ion: 75 Resp: 1051
Ion Ratio Lower Upper
75 100
155 20.6 51.2 153.8#
157 0.0 68.2 204.5#



#95
Naphthalene
Concen: 2.884 ug/l
RT: 15.292 min Scan# 2330
Delta R.T. -0.036 min
Lab File: VD074824.D
Acq: 09 Nov 2022 13:27

Tgt Ion: 128 Resp: 9098
Ion Ratio Lower Upper
128 100
127 147.7 10.6 16.0#
129 68.4 8.3 12.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.140 ug/l
 RT: 15.487 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: VD074824.D
 Acq: 09 Nov 2022 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 TUL-ROS-1104

Tgt Ion:180 Resp: 4538
 Ion Ratio Lower Upper
 180 100
 182 40.1 46.7 140.1#
 145 1810.2 14.9 44.7#

