

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074633.D
 Acq On : 25 Oct 2022 15:25
 Operator : VA/SY
 Sample : N5267-07
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP3-1024

Quant Time: Oct 27 01:21:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

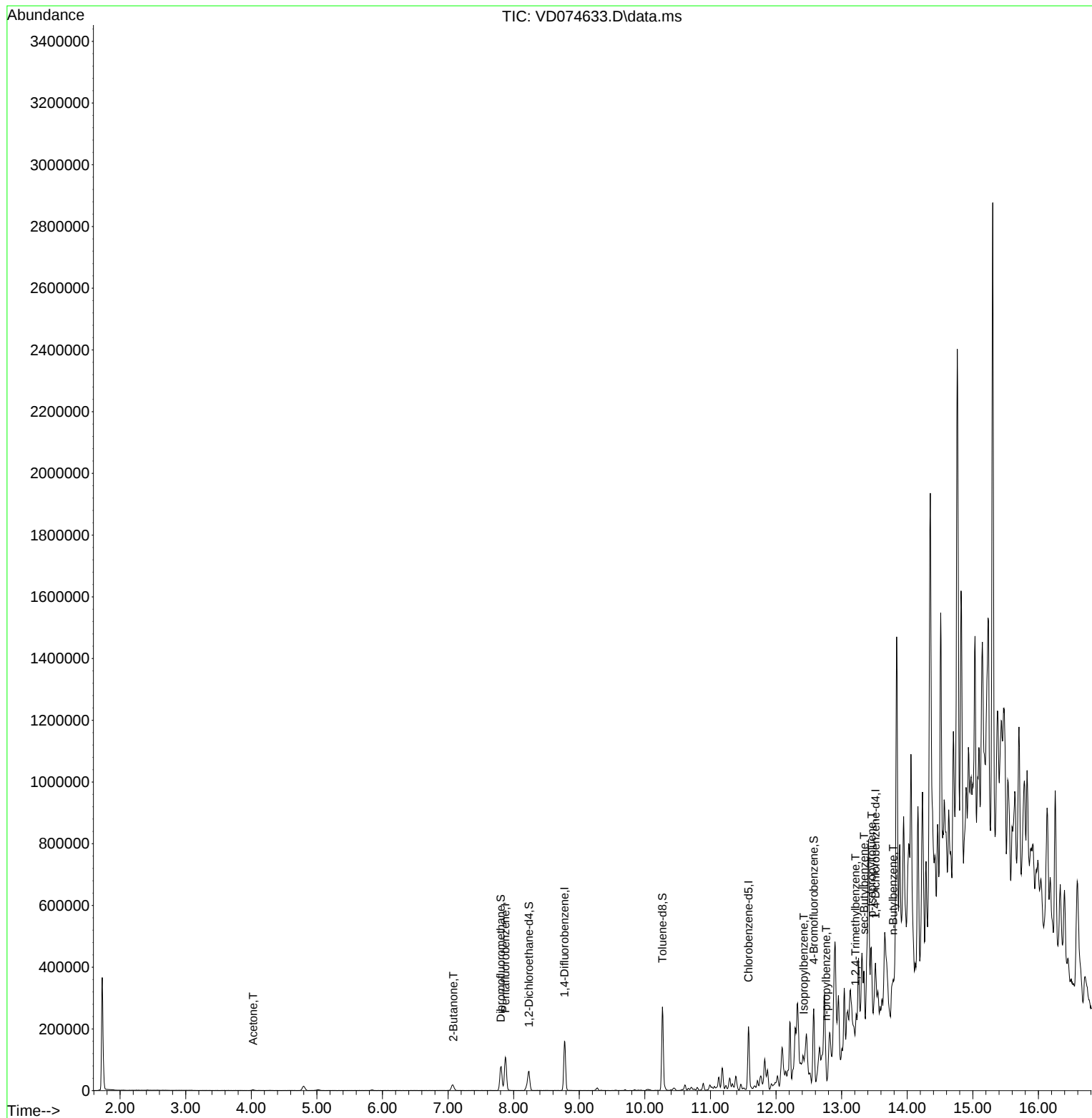
Internal Standards						
1) Pentafluorobenzene	7.875	168	91662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	155912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	124446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	55323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45776	65.411	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.820%	
35) Dibromofluoromethane	7.804	113	57012	66.361	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.720%	
50) Toluene-d8	10.269	98	179634	57.564	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.120%	
62) 4-Bromofluorobenzene	12.575	95	59409	66.828	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 133.660%	
Target Compounds						
					Qvalue	
16) Acetone	4.028	43	3904	25.547	ug/l #	76
25) 2-Butanone	7.081	43	1609	7.874	ug/l #	42
73) Isopropylbenzene	12.422	105	10044	2.328	ug/l	100
78) n-propylbenzene	12.763	91	14510	2.846	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	5534	1.606	ug/l	83
85) sec-Butylbenzene	13.345	105	36398	7.763	ug/l	82
86) p-Isopropyltoluene	13.457	119	18359	4.674	ug/l	97
89) n-Butylbenzene	13.786	91	20409	5.703	ug/l #	75

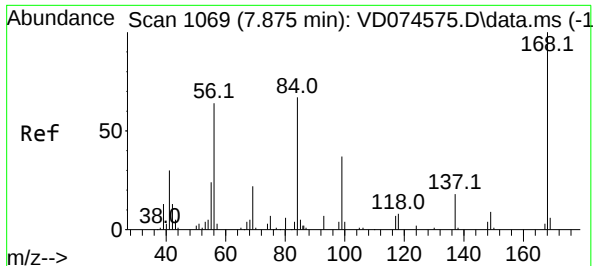
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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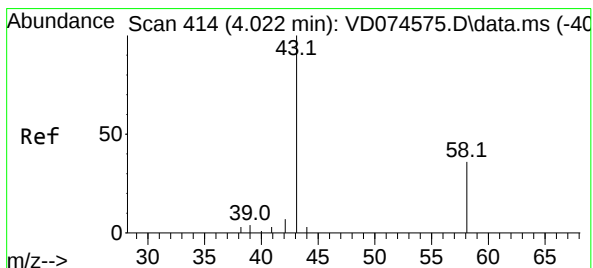
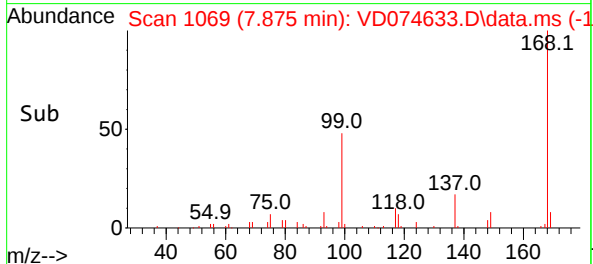
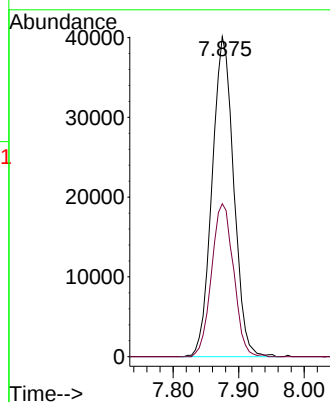
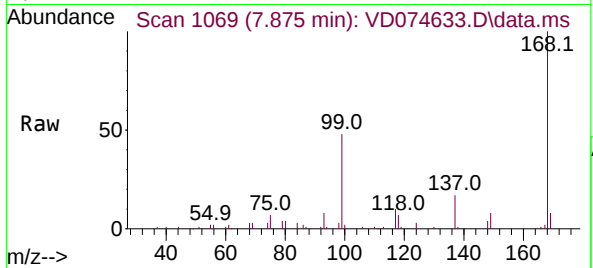




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

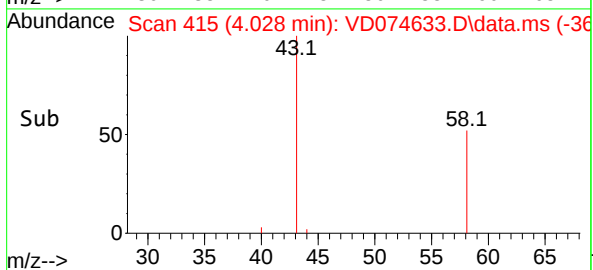
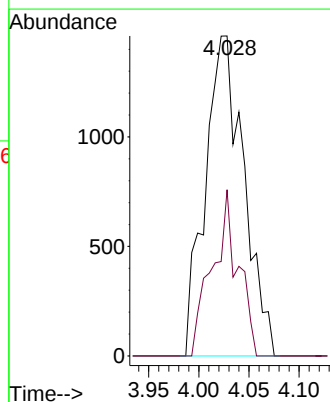
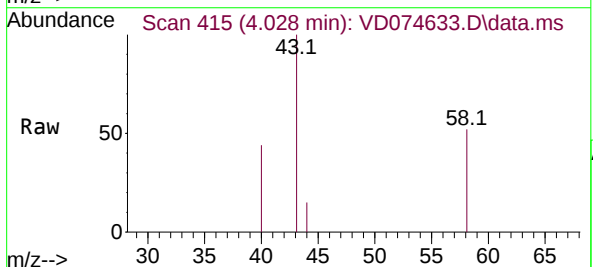
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

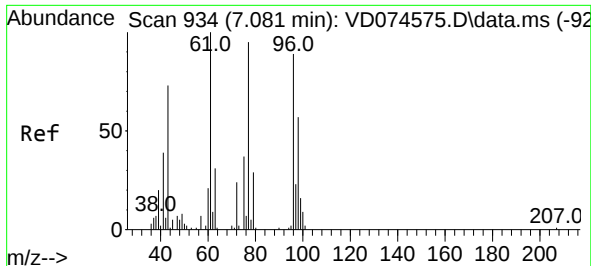
Tgt Ion:168 Resp: 91662
Ion Ratio Lower Upper
168 100
99 47.8 40.9 61.3



#16
Acetone
Concen: 25.547 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 43 Resp: 3904
Ion Ratio Lower Upper
43 100
58 52.0 30.2 45.2#

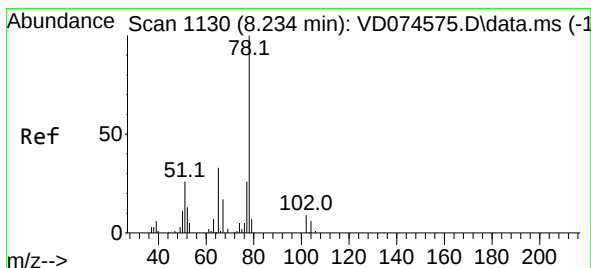
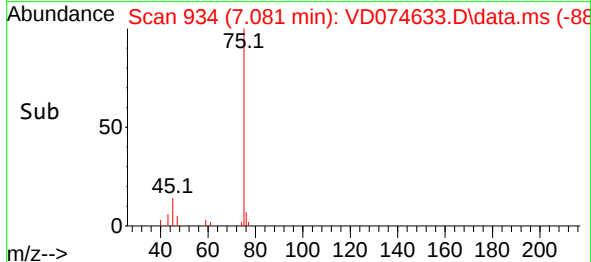
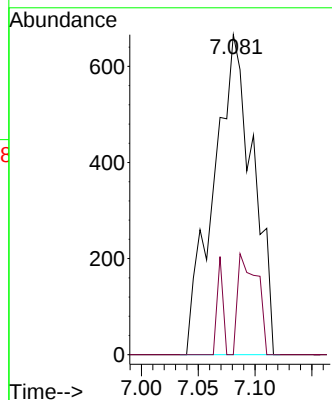
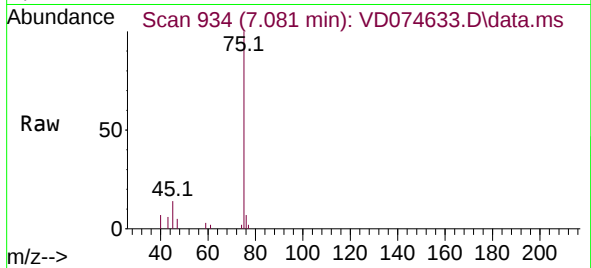




#25
2-Butanone
Concen: 7.874 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

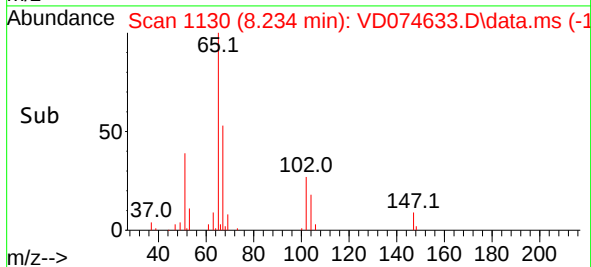
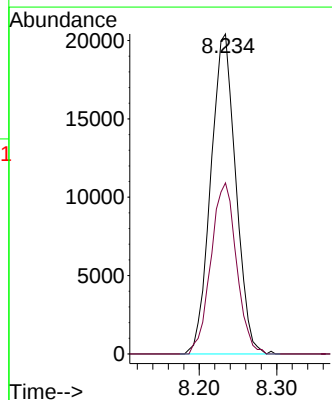
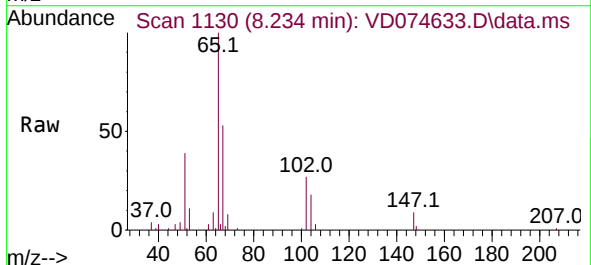
Instrument :
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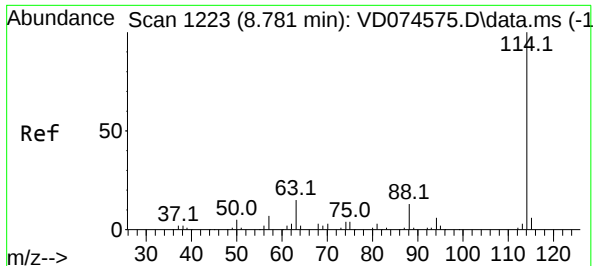
Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#33
1,2-Dichloroethane-d4
Concen: 65.411 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 65 Resp: 45776
Ion Ratio Lower Upper
65 100
67 54.7 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

Instrument :

MSVOA_D

ClientSampleId :

TP3-1024

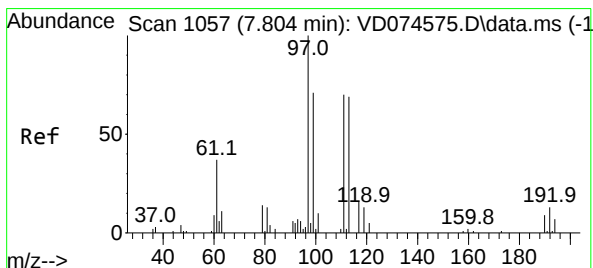
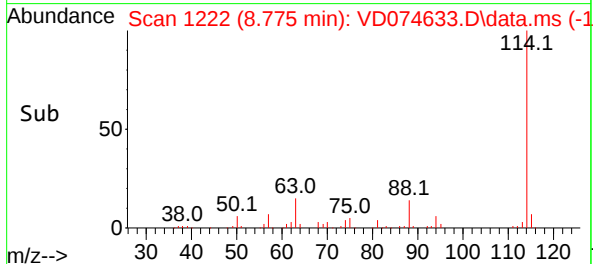
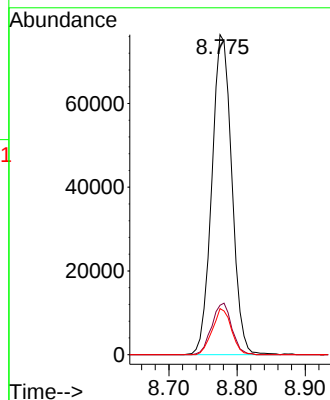
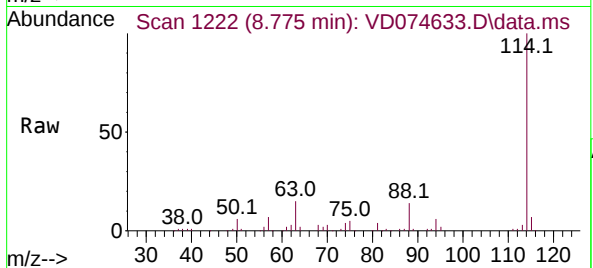
Tgt Ion:114 Resp: 155912

Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.2

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 66.361 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

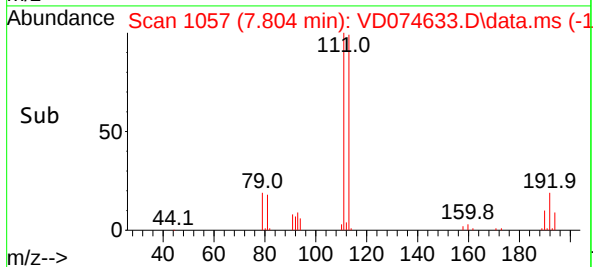
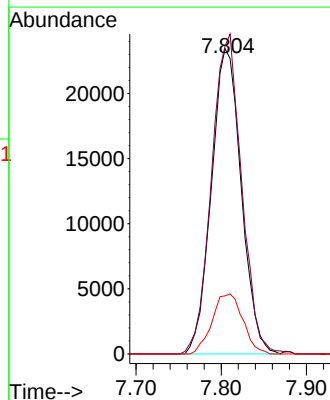
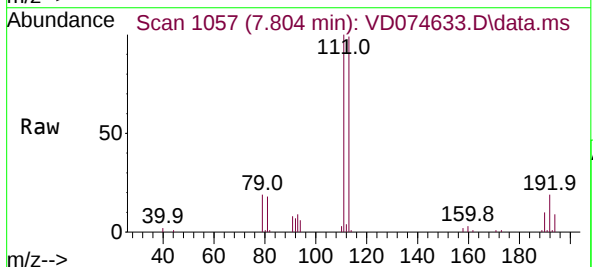
Tgt Ion:113 Resp: 57012

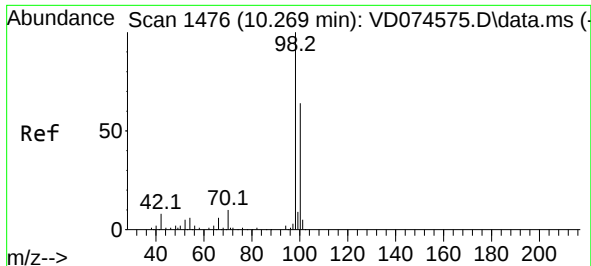
Ion Ratio Lower Upper

113 100

111 105.4 82.3 123.5

192 20.2 16.4 24.6

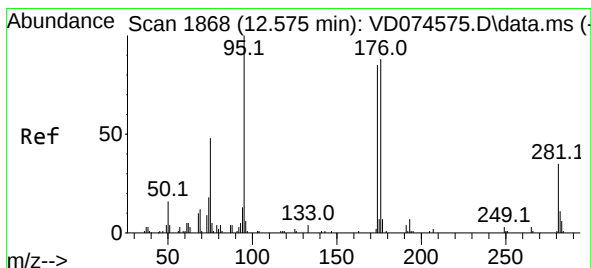
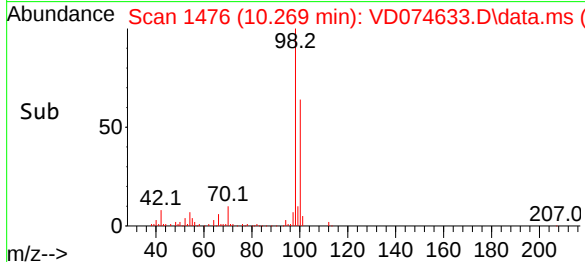
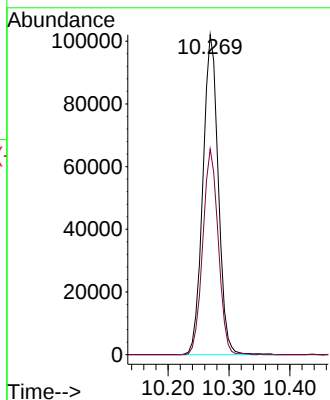
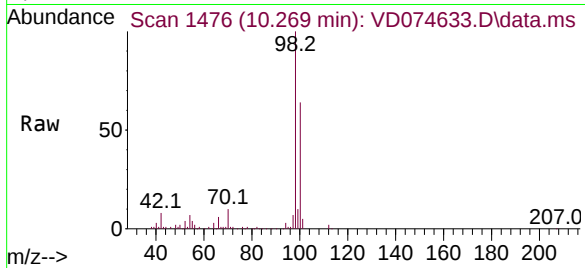




#50
Toluene-d8
Concen: 57.564 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

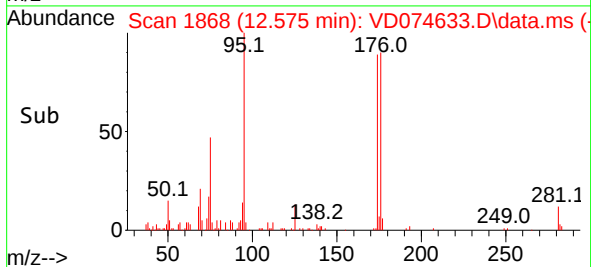
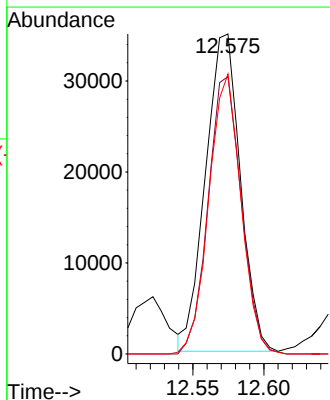
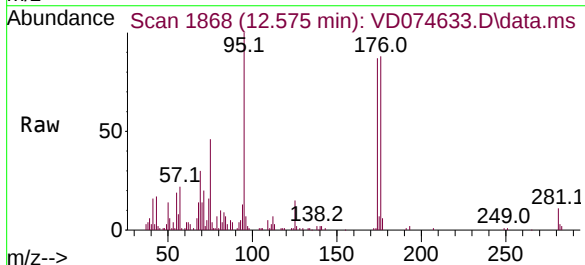
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

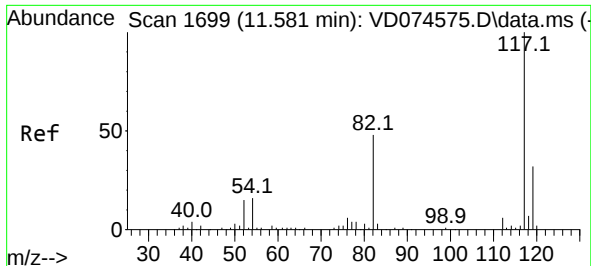
Tgt Ion: 98 Resp: 179634
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 66.828 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 95 Resp: 59409
Ion Ratio Lower Upper
95 100
174 83.3 0.0 197.0
176 81.5 0.0 182.6

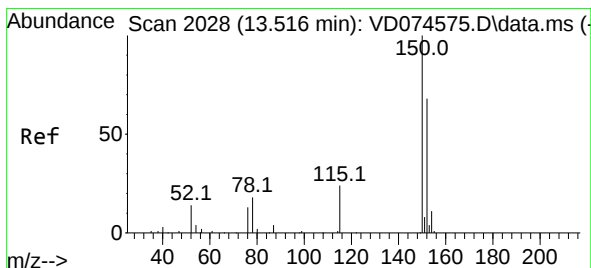
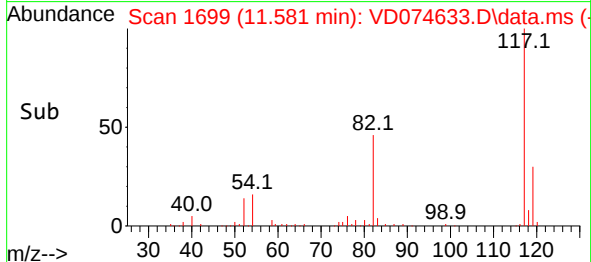
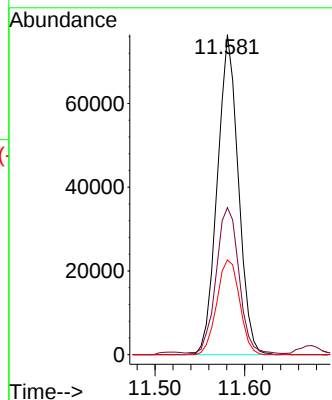
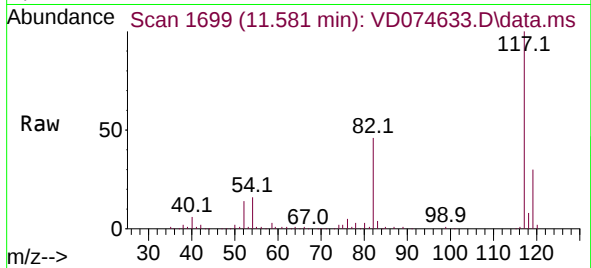




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

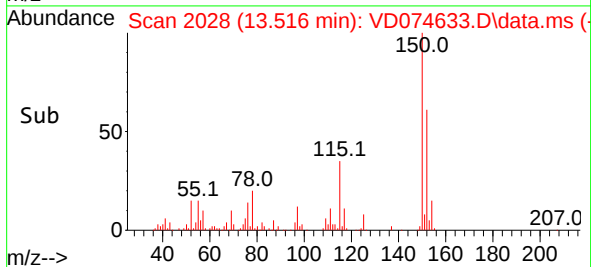
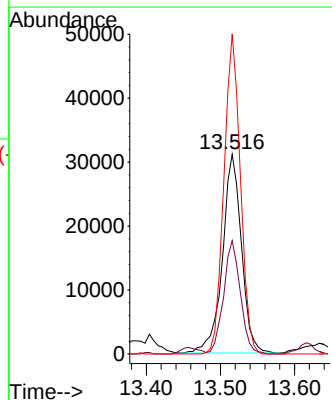
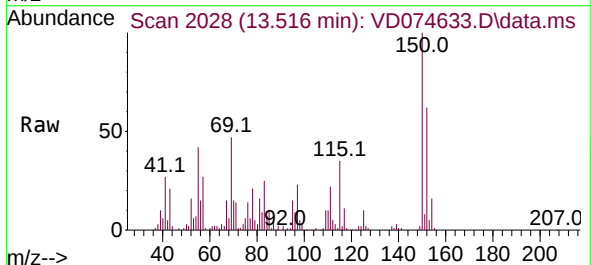
Instrument :
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ClientSampleId :
TP3-1024

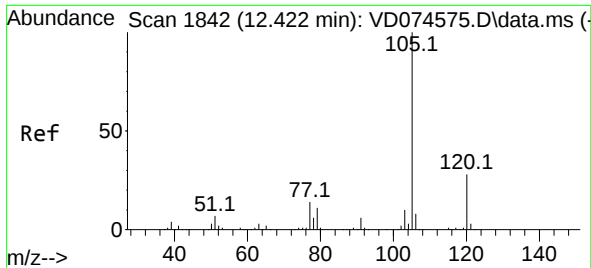
Tgt Ion:117 Resp: 124446
Ion Ratio Lower Upper
117 100
82 45.6 41.6 62.4
119 29.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion:152 Resp: 55323
Ion Ratio Lower Upper
152 100
115 50.3 26.8 80.4
150 139.5 0.0 348.2

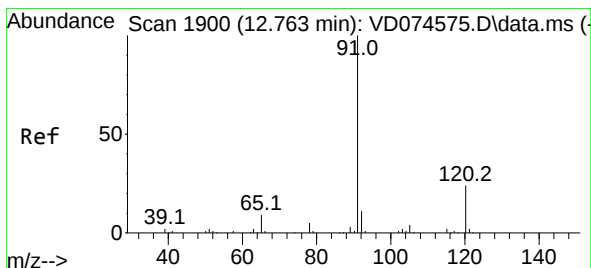
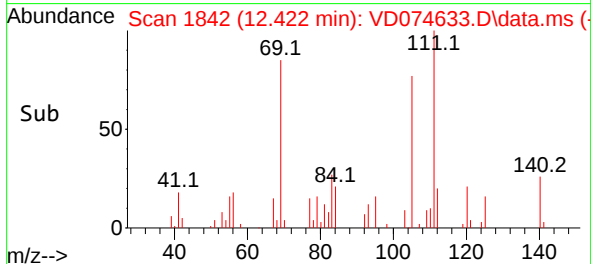
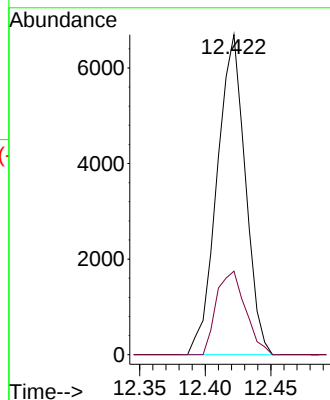
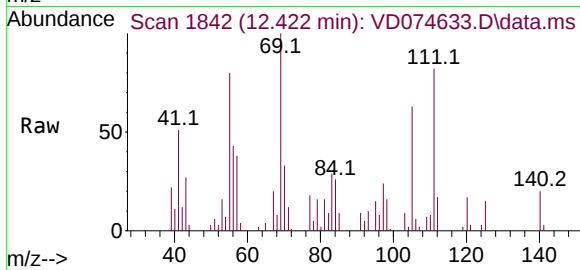




#73
Isopropylbenzene
Concen: 2.328 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

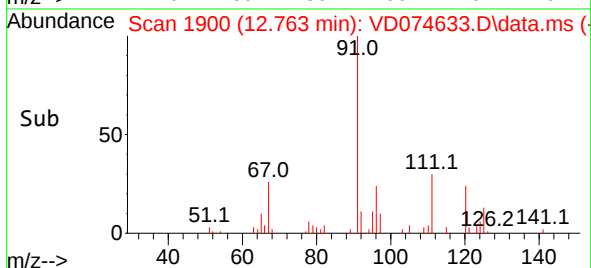
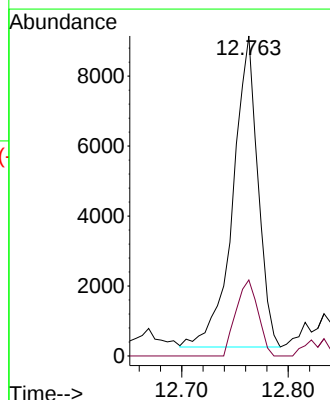
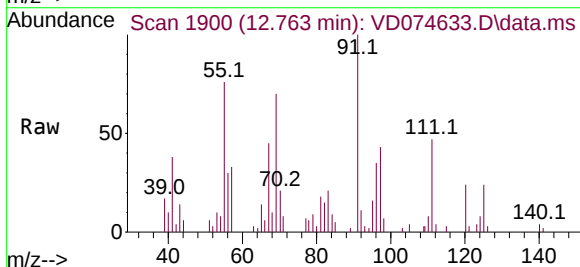
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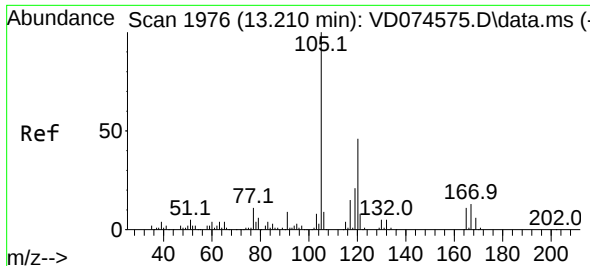
Tgt Ion:105 Resp: 10044
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#78
n-propylbenzene
Concen: 2.846 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 91 Resp: 14510
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.7

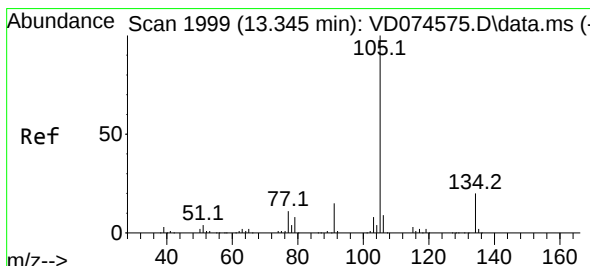
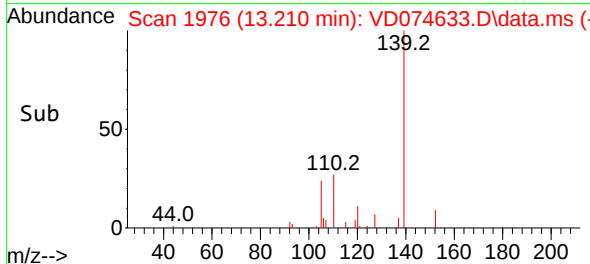
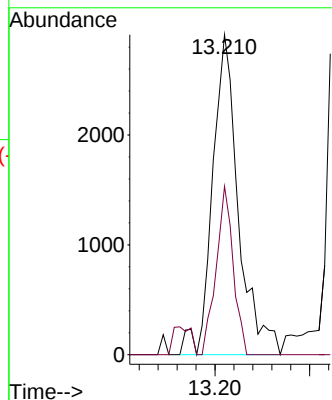
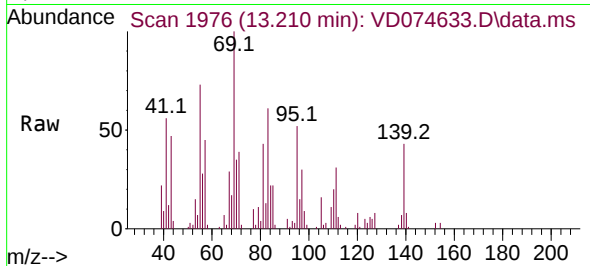




#84
1,2,4-Trimethylbenzene
Concen: 1.606 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

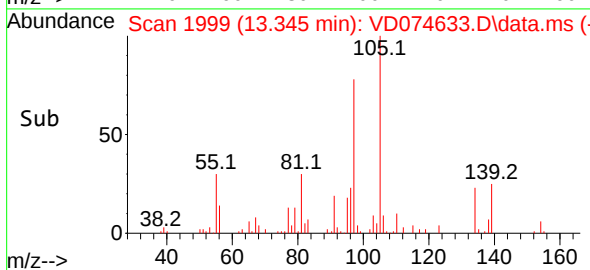
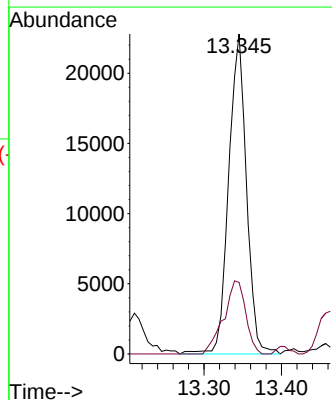
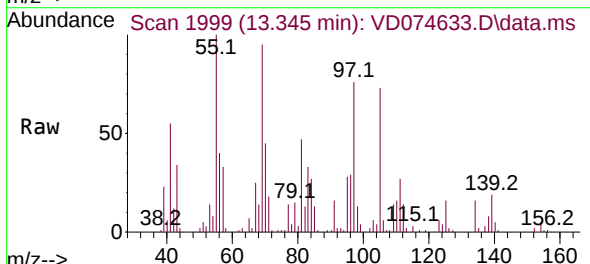
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

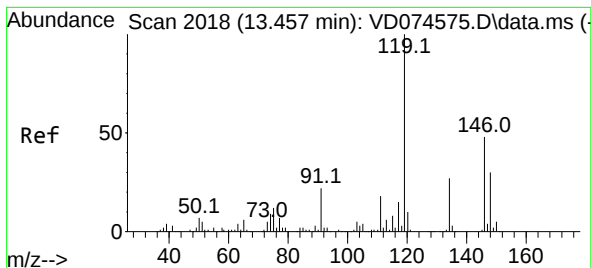
Tgt Ion:105 Resp: 5534
Ion Ratio Lower Upper
105 100
120 34.6 22.9 68.7



#85
sec-Butylbenzene
Concen: 7.763 ug/l
RT: 13.345 min Scan# 1999
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion:105 Resp: 36398
Ion Ratio Lower Upper
105 100
134 28.2 10.0 30.0





#86

p-Isopropyltoluene

Concen: 4.674 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

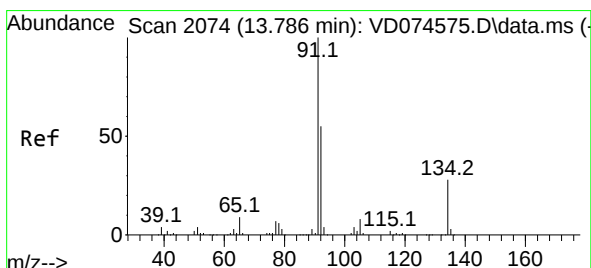
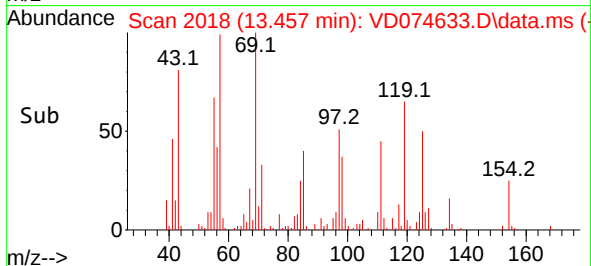
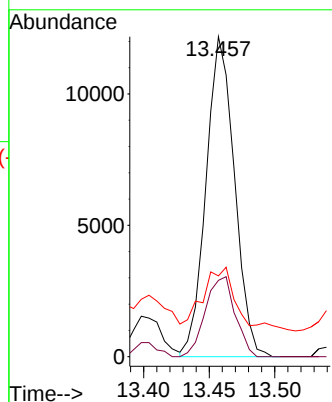
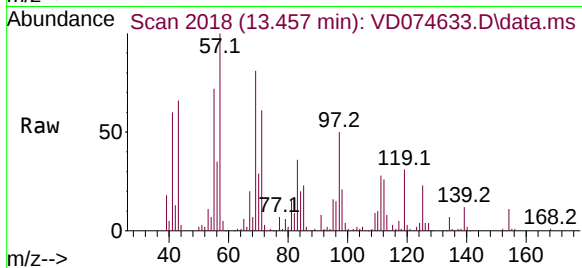
Instrument :

MSVOA_D

ClientSampleId :

TP3-1024

Tgt Ion:	119	Resp:	18359
Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.5	40.4
91	19.4	10.8	32.4



#89

n-Butylbenzene

Concen: 5.703 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.005 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

Tgt Ion:	91	Resp:	20409
Ion	Ratio	Lower	Upper
91	100		
92	45.2	26.9	80.7
134	0.0	13.4	40.2

