

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

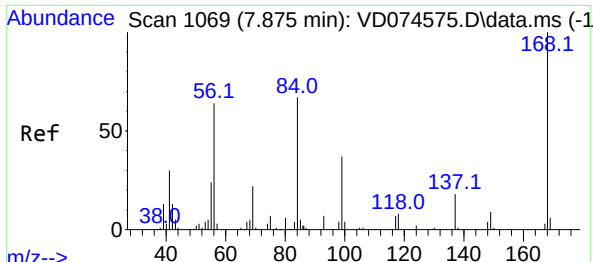
Instrument :
 MSVOA_D
 ClientSampleId :
 TP3-1024

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)

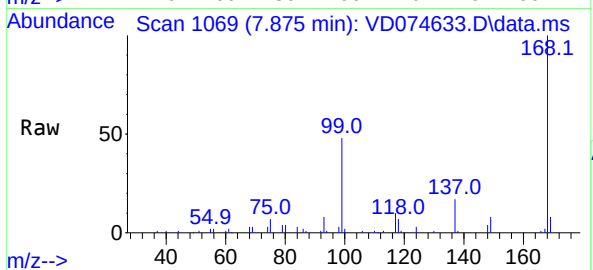
Internal Standards						
1) Pentafluorobenzene	7.875	168	91662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	155912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	124446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	55323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
10) Methyl Iodide	4.152	142	256	4.125	ug/l #	43
11) Tert butyl alcohol	5.022	59	2440	Below Cal	#	84
16) Acetone	4.028	43	3904	25.547	ug/l #	76
25) 2-Butanone	7.081	43	1609	7.874	ug/l #	42
31) Cyclohexane	7.869	56	1577	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	6178	4.411	ug/l #	48
37) Ethyl Acetate	7.081	43	1609	3.641	ug/l #	39
38) Carbon Tetrachloride	7.875	117	8740	6.373	ug/l #	18
39) Methylcyclohexane	9.281	83	3962	2.367	ug/l	95
55) 1,1,2-Trichloroethane	10.710	97	4396	6.078	ug/l #	22
56) Ethyl methacrylate	10.610	69	1845	2.334	ug/l #	1
59) 2-Hexanone	10.892	43	7651	27.441	ug/l #	20
73) Isopropylbenzene	12.422	105	10044	2.328	ug/l	100
74) N-amyl acetate	12.210	43	39542	62.004	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.639	83	6609	9.676	ug/l #	24
76) 1,2,3-Trichloropropane	12.575	75	26531	54.922	ug/l #	1
78) n-propylbenzene	12.763	91	14510	2.846	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.575	75	26531	140.354	ug/l #	21
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
90) Hexachloroethane	14.063	117	24742	36.189	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.428	75	450	4.764	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.110	180	2414	2.168	ug/l #	1
95) Naphthalene	15.328	128	27890	13.305	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.539	180	6665	6.983	ug/l #	13

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

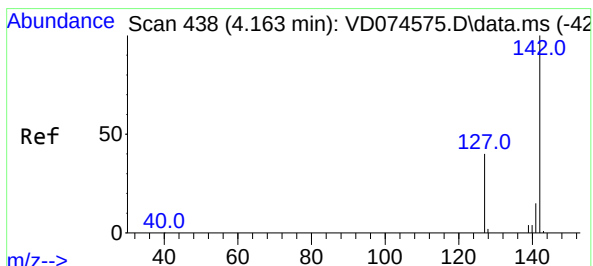
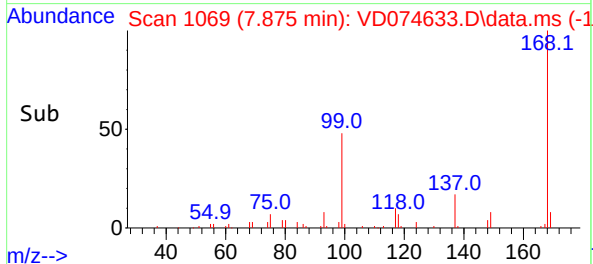
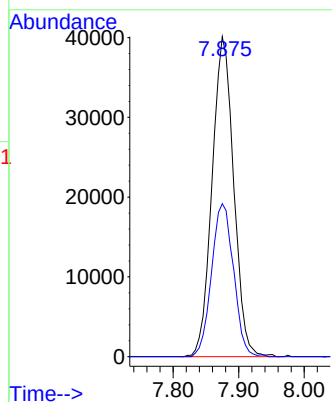


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

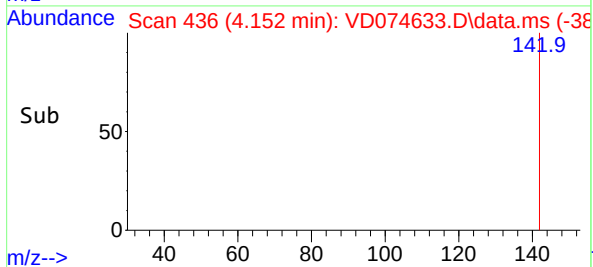
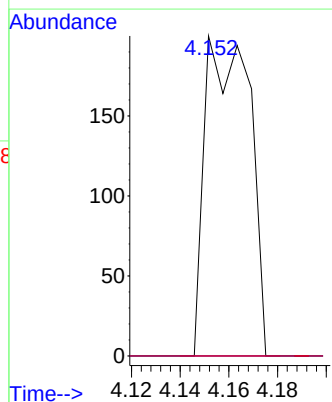
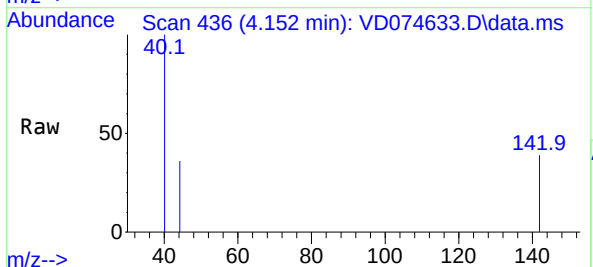


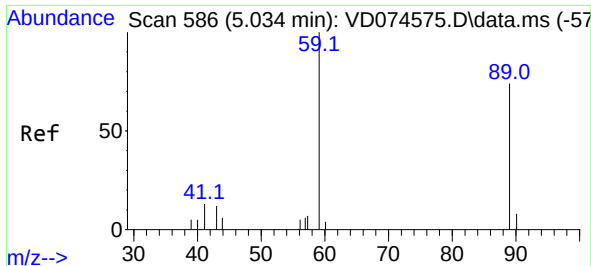
Tgt Ion:168 Resp: 91662
Ion Ratio Lower Upper
168 100
99 47.8 40.9 61.3



#10
Methyl Iodide
Concen: 4.125 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion:142 Resp: 256
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.022 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

Instrument :

MSVOA_D

ClientSampleId :

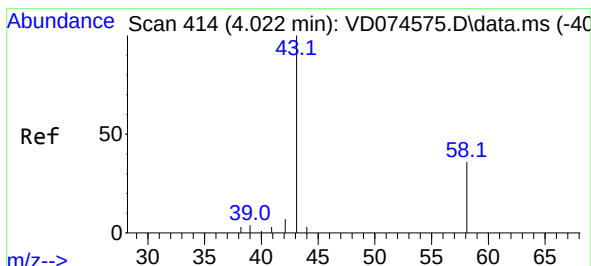
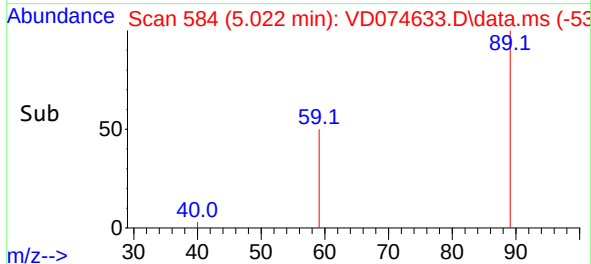
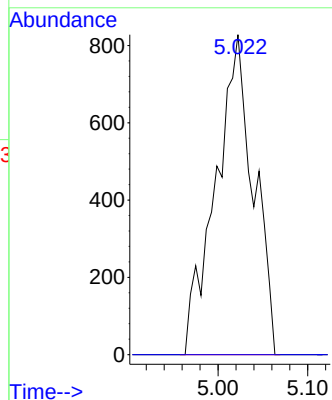
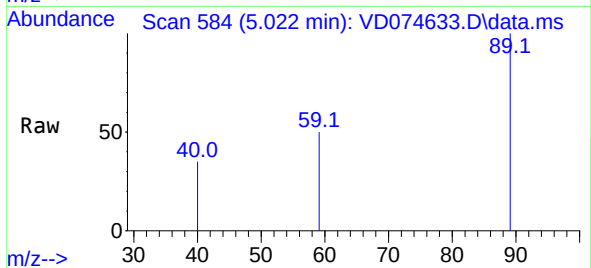
TP3-1024

Tgt Ion: 59 Resp: 2440

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 25.547 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD074633.D

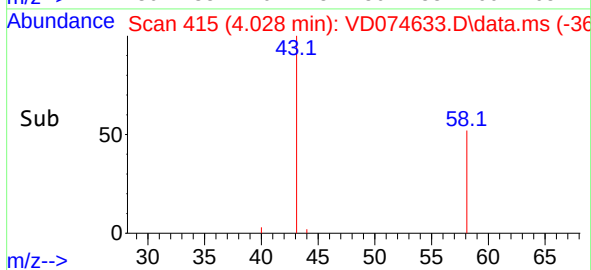
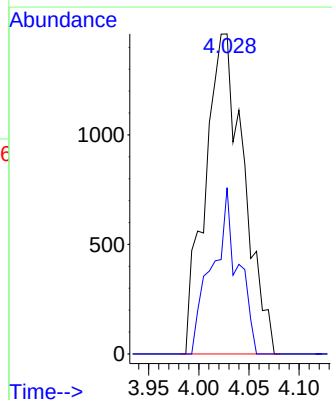
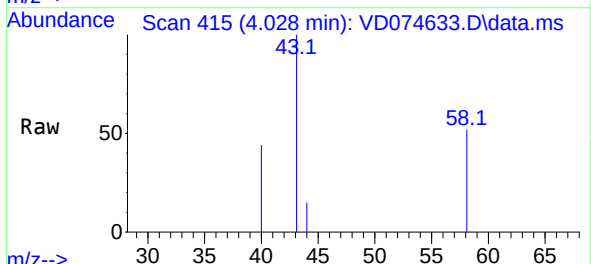
Acq: 25 Oct 2022 15:25

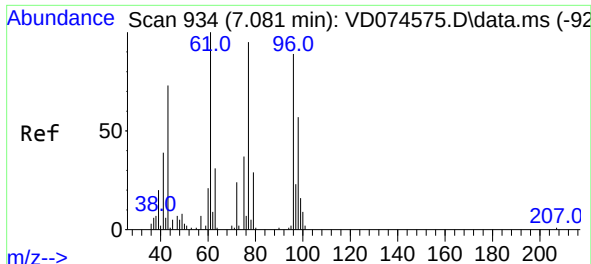
Tgt Ion: 43 Resp: 3904

Ion Ratio Lower Upper

43 100

58 52.0 30.2 45.2#

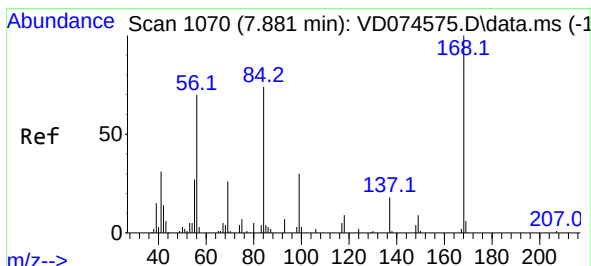
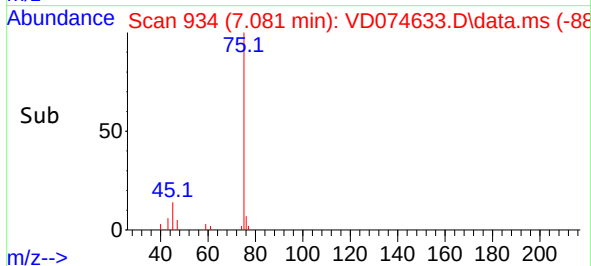
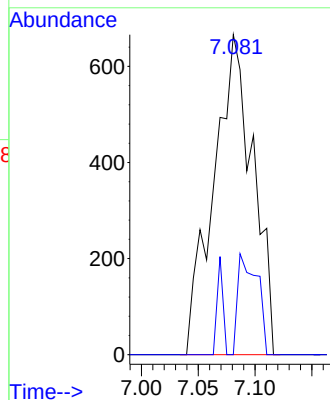
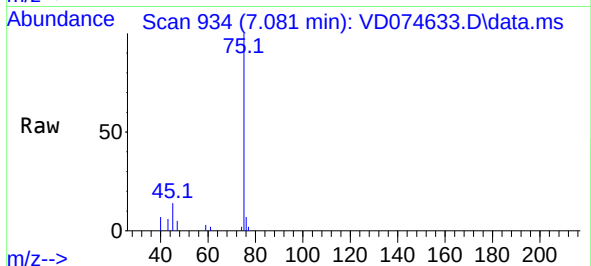




#25
2-Butanone
Concen: 7.874 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

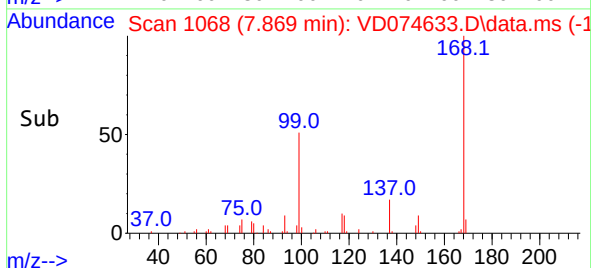
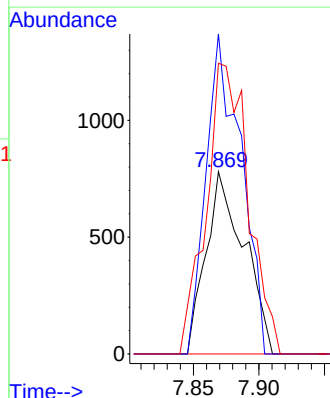
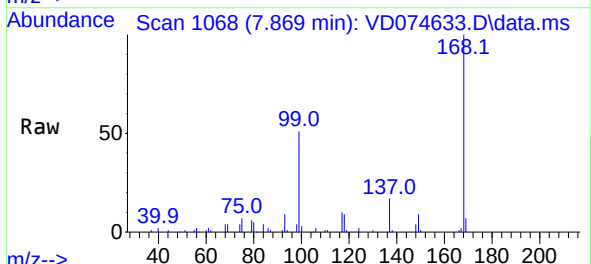
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

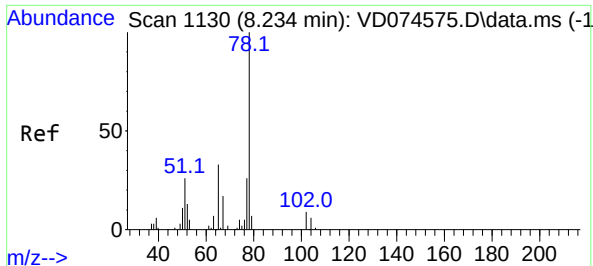
Tgt Ion: 43 Resp: 1609
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 56 Resp: 1577
Ion Ratio Lower Upper
56 100
69 175.6 29.2 43.8#
84 159.6 83.4 125.2#





#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

Instrument :

MSVOA_D

ClientSampleId :

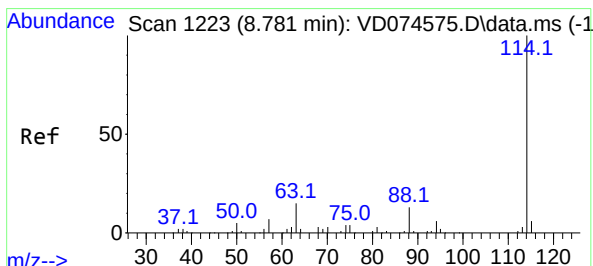
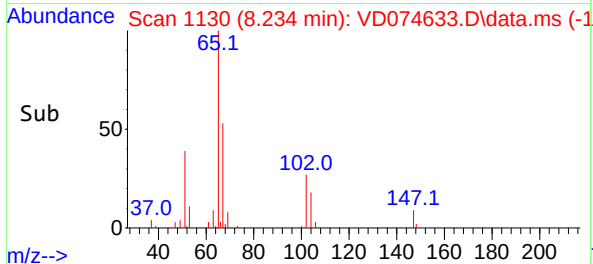
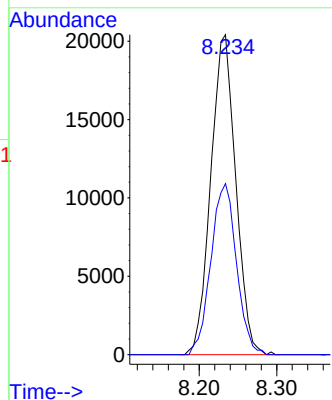
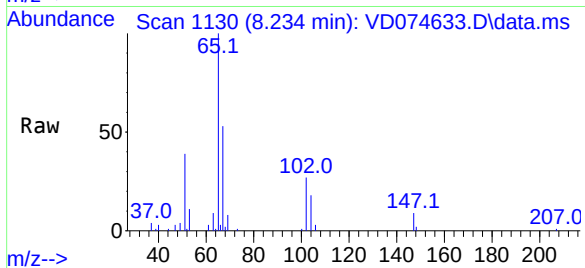
TP3-1024

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# 1222

Delta R.T. -0.000 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

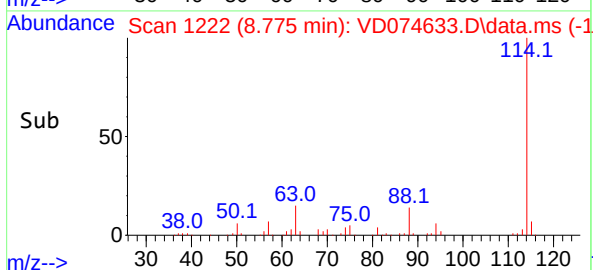
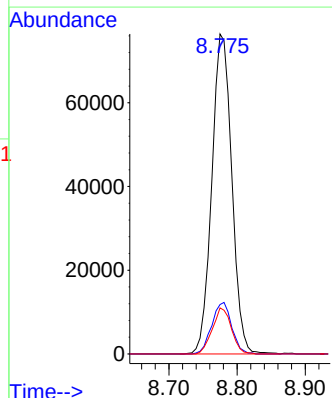
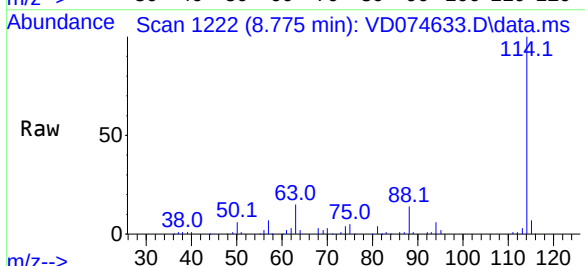
Tgt Ion: 114 Resp: 155912

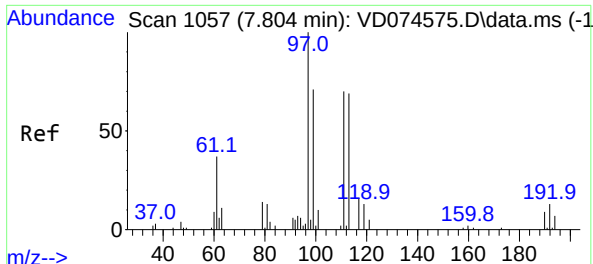
Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.2

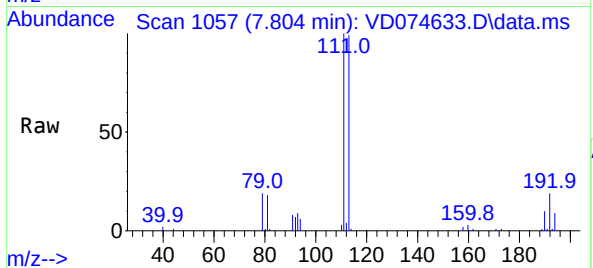
88 14.4 0.0 28.2



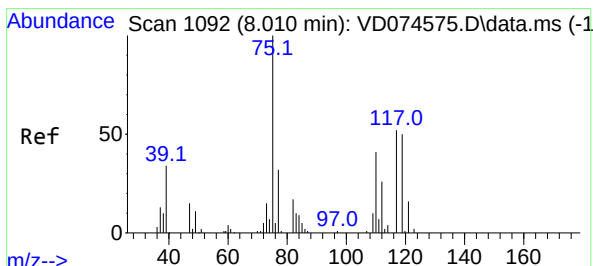
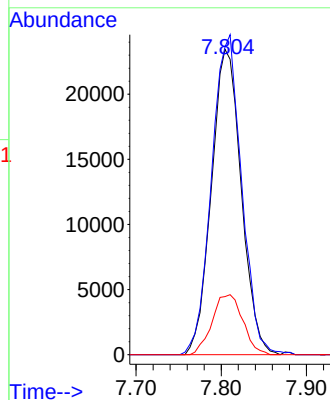
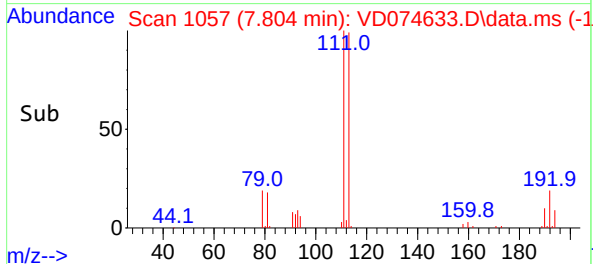


#35
Dibromofluoromethane
Concen: 66.361 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

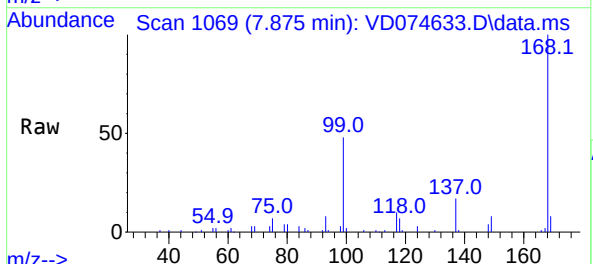
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024



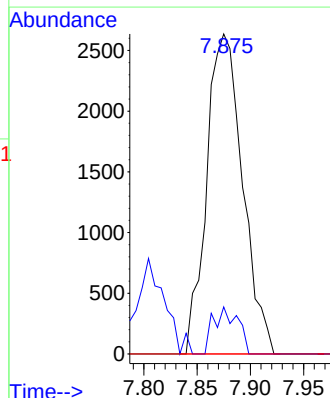
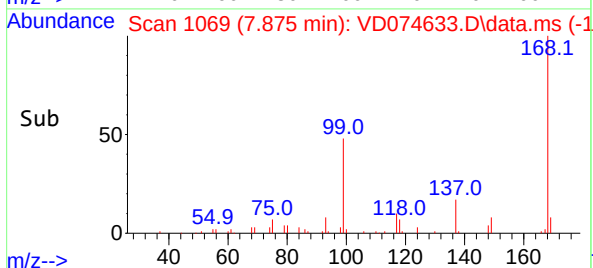
Tgt Ion:113 Resp: 57012
Ion Ratio Lower Upper
113 100
111 105.4 82.3 123.5
192 20.2 16.4 24.6

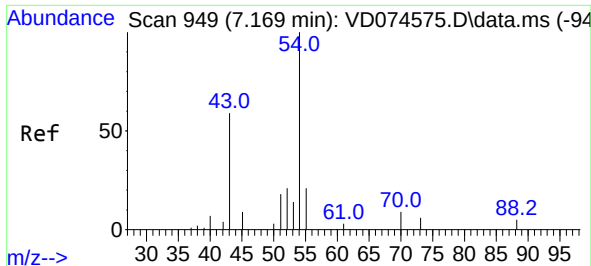


#36
1,1-Dichloropropene
Concen: 4.411 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25



Tgt Ion: 75 Resp: 6178
Ion Ratio Lower Upper
75 100
110 10.0 19.7 59.0#
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 3.641 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.088 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

Instrument :

MSVOA_D

ClientSampleId :

TP3-1024

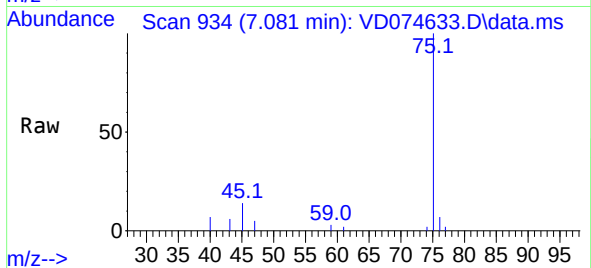
Tgt Ion: 43 Resp: 1609

Ion Ratio Lower Upper

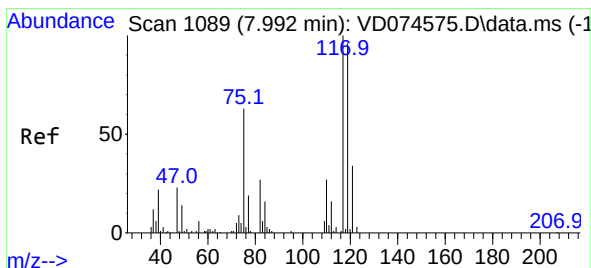
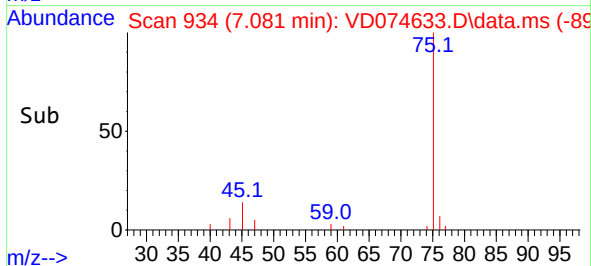
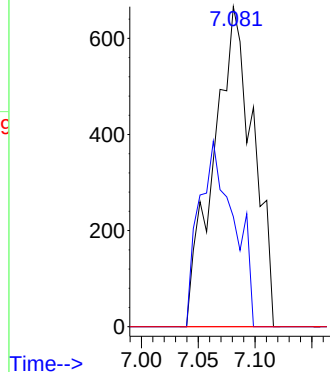
43 100

61 50.9 12.2 18.4#

70 0.0 9.6 14.4#



Abundance



#38

Carbon Tetrachloride

Concen: 6.373 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

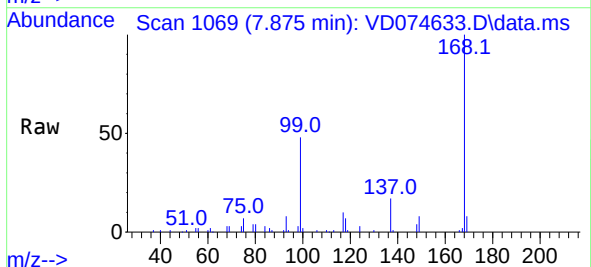
Tgt Ion: 117 Resp: 8740

Ion Ratio Lower Upper

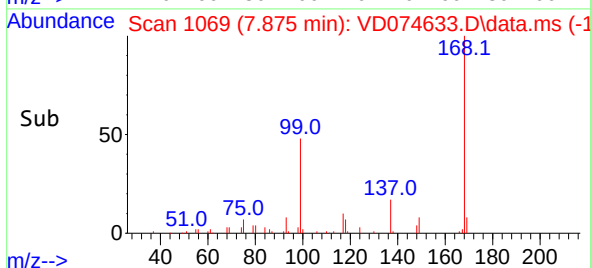
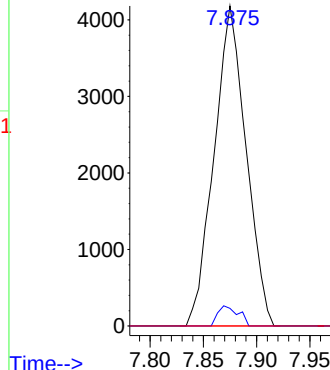
117 100

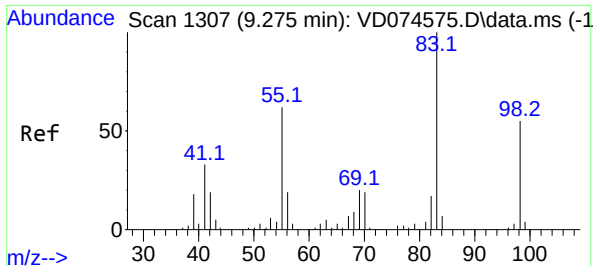
119 5.5 73.1 109.7#

121 0.0 25.0 37.6#



Abundance





#39

Methylcyclohexane

Concen: 2.367 ug/l

RT: 9.281 min Scan# 11

Delta R.T. 0.012 min

Lab File: VD074633.D

Acq: 25 Oct 2022 15:25

Instrument :

MSVOA_D

ClientSampleId :

TP3-1024

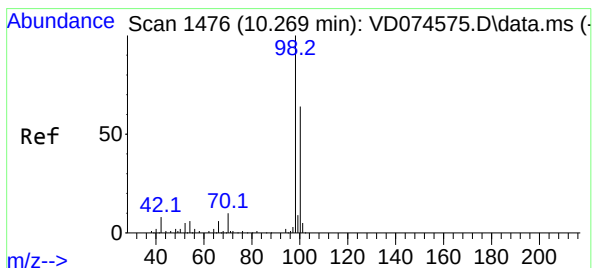
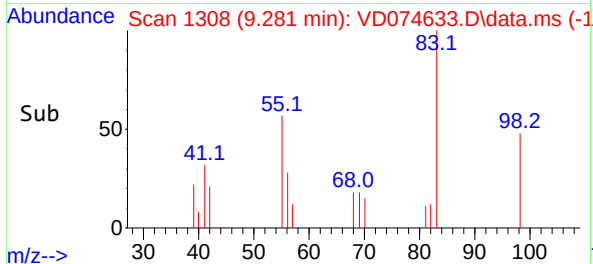
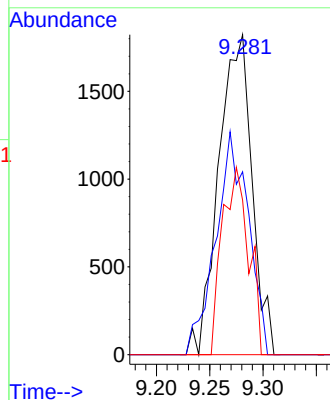
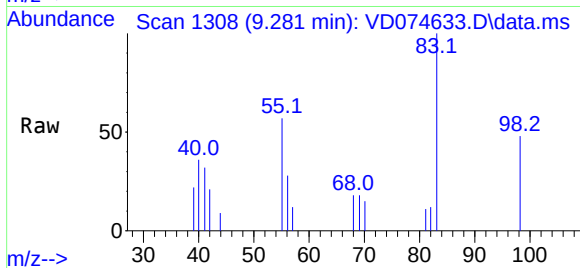
Tgt Ion: 83 Resp: 3962

Ion Ratio Lower Upper

83 100

55 57.2 49.0 73.4

98 48.3 41.7 62.5



#50

Toluene-d8

Concen: 57.564 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD074633.D

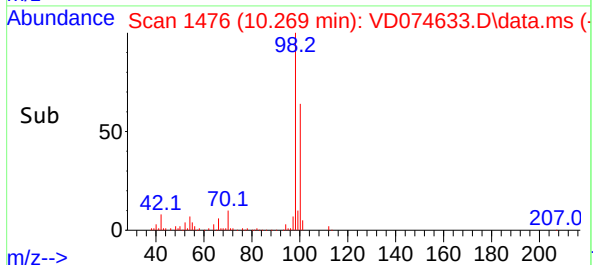
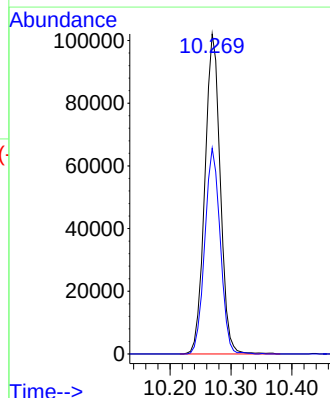
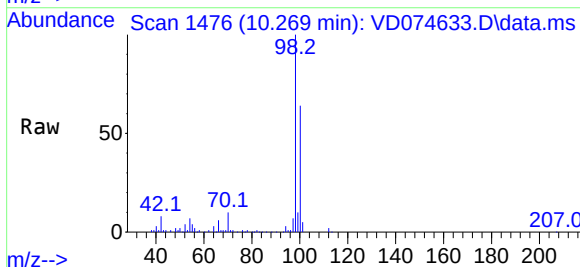
Acq: 25 Oct 2022 15:25

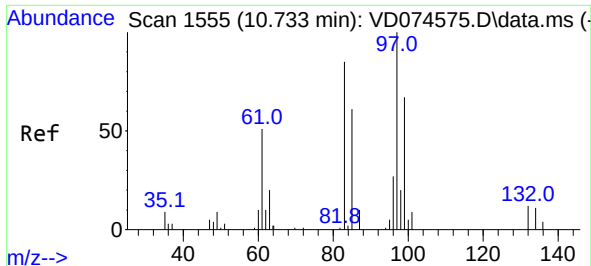
Tgt Ion: 98 Resp: 179634

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0



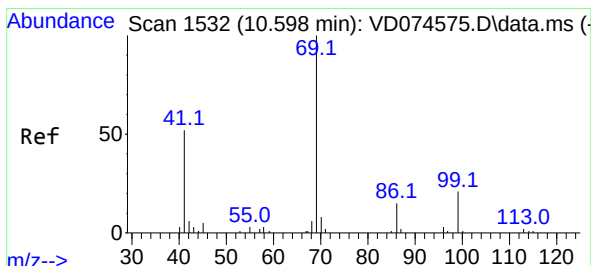
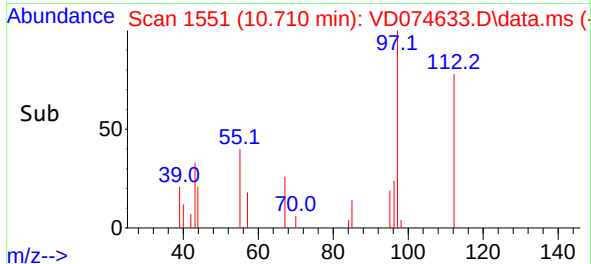
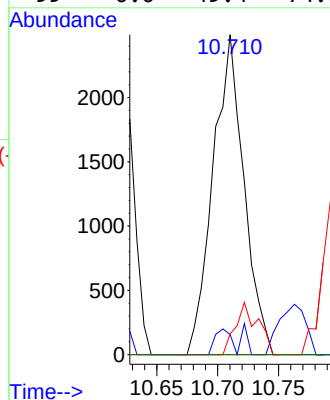
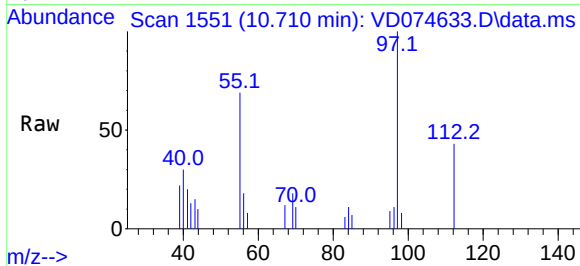


#55
1,1,2-Trichloroethane
Concen: 6.078 ug/l
RT: 10.710 min Scan# 1555
Delta R.T. -0.024 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

Tgt Ion: 97 Resp: 4396

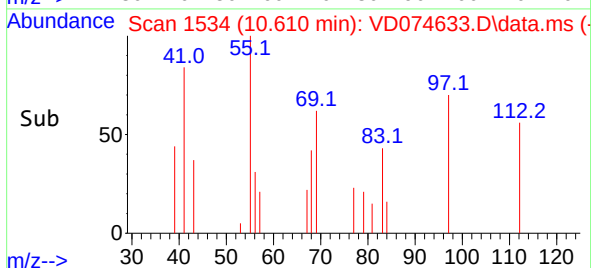
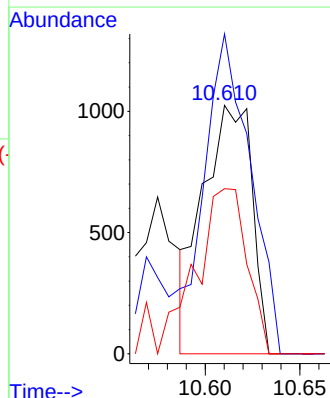
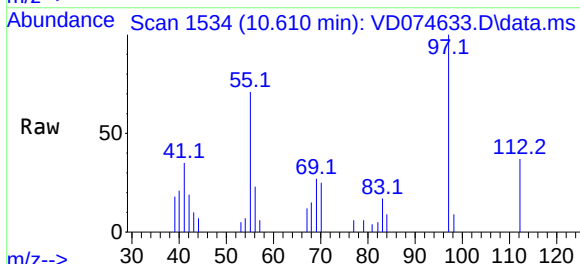
Ion	Ratio	Lower	Upper
97	100		
83	6.3	64.8	97.2#
85	6.5	44.8	67.2#
99	0.0	49.4	74.0#

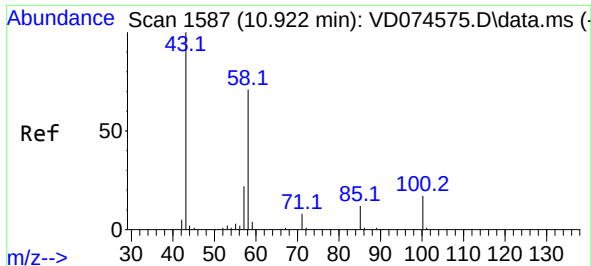


#56
Ethyl methacrylate
Concen: 2.334 ug/l
RT: 10.610 min Scan# 1534
Delta R.T. 0.017 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 69 Resp: 1845

Ion	Ratio	Lower	Upper
69	100		
41	123.6	38.6	58.0#
39	69.3	19.9	29.9#

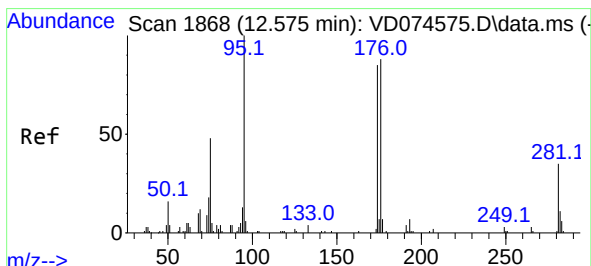
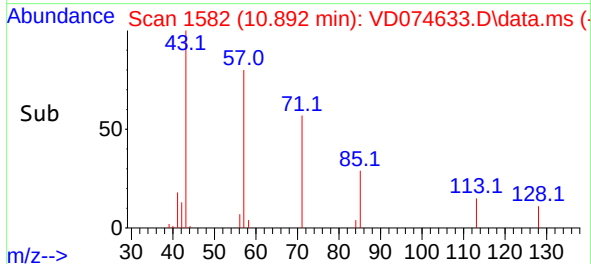
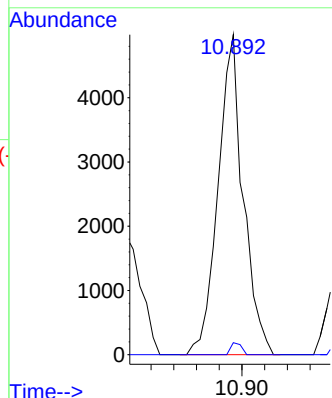
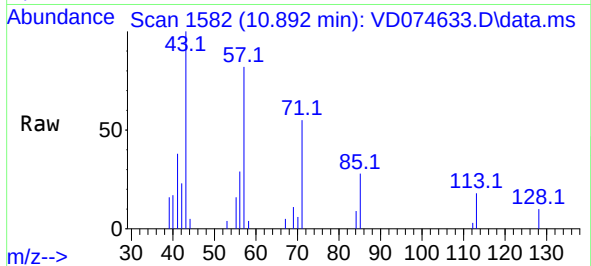




#59
2-Hexanone
Concen: 27.441 ug/l
RT: 10.892 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

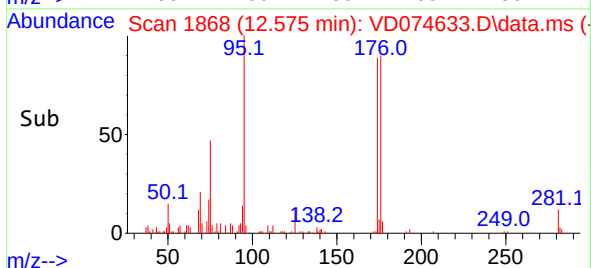
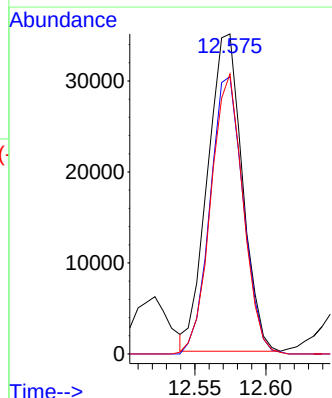
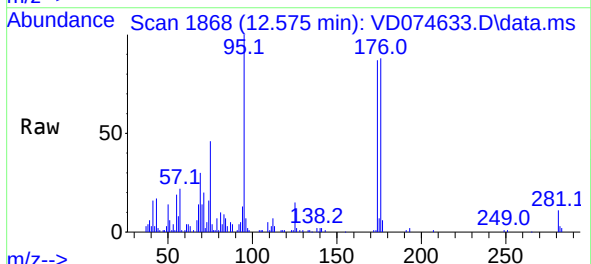
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

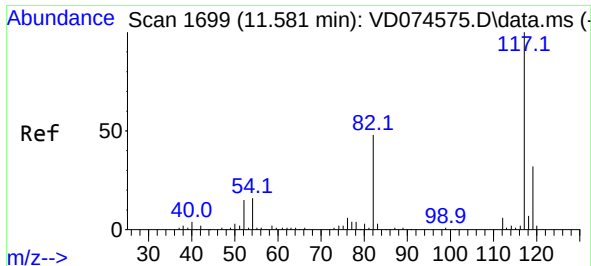
Tgt Ion: 43 Resp: 7651
Ion Ratio Lower Upper
43 100
58 1.6 32.0 96.2#



#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

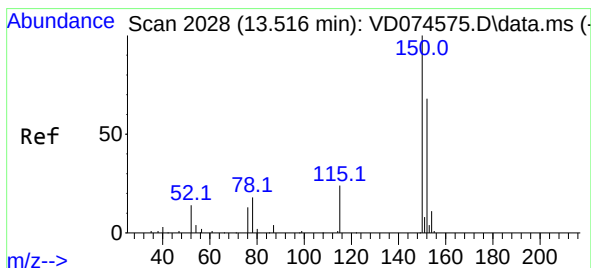
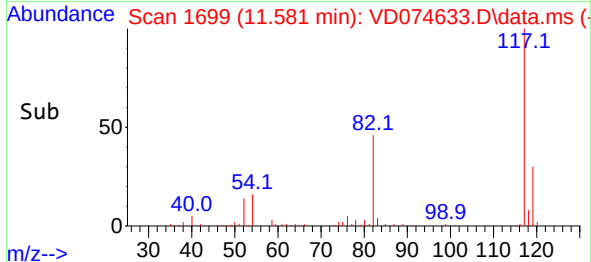
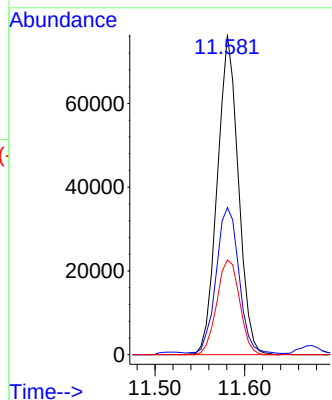
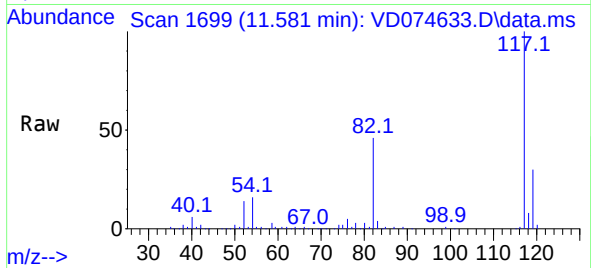




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

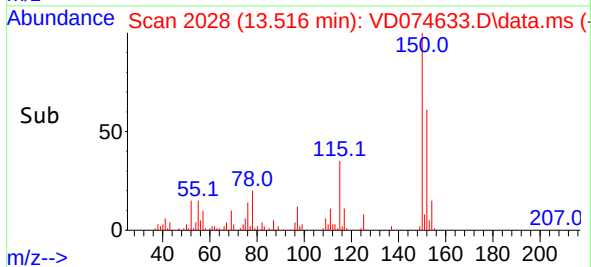
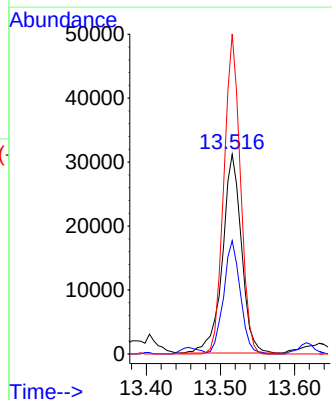
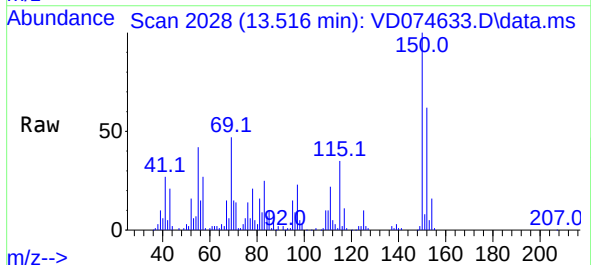
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

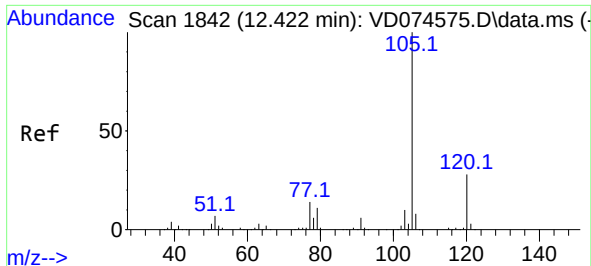
Tgt Ion:117 Resp: 124446
Ion Ratio Lower Upper
117 100
82 45.6 41.6 62.4
119 29.6 25.2 37.8



#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

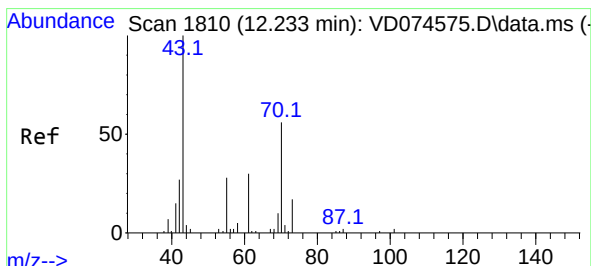
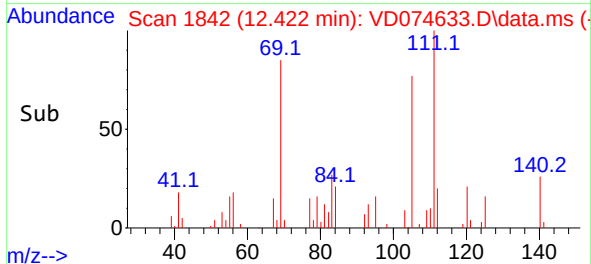
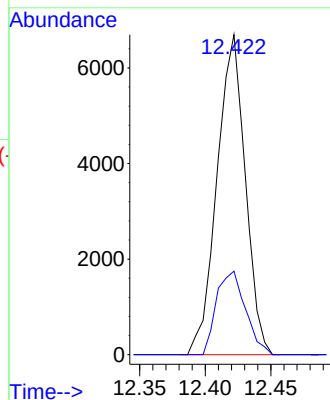
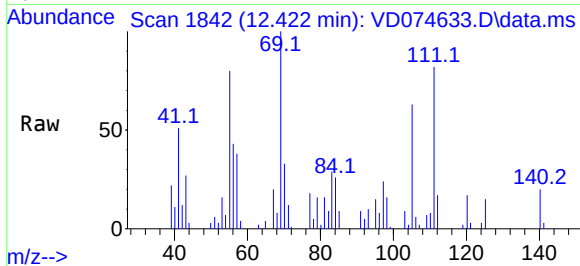




#73
Isopropylbenzene
Concen: 2.328 ug/l
RT: 12.422 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

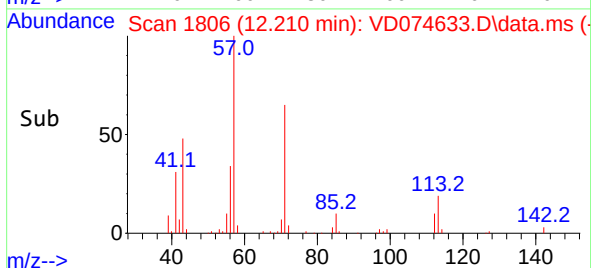
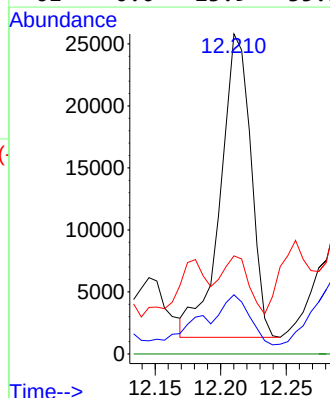
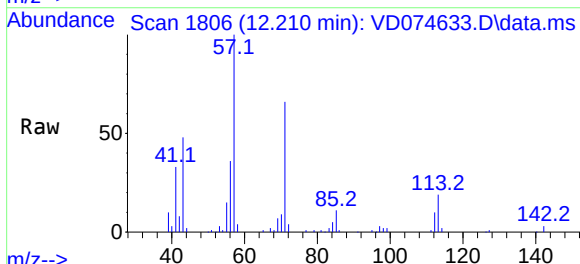
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

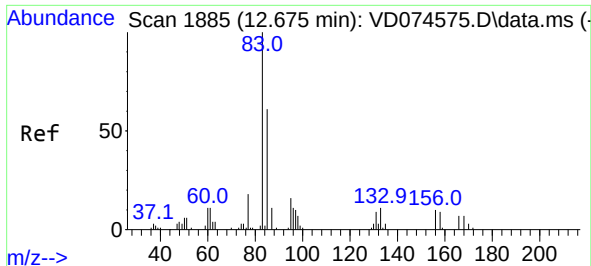
Tgt Ion:105 Resp: 10044
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#74
N-ethyl acetate
Concen: 62.004 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.018 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 43 Resp: 39542
Ion Ratio Lower Upper
43 100
70 24.8 43.8 65.6#
55 25.2 22.0 33.0
61 0.0 23.9 35.9#

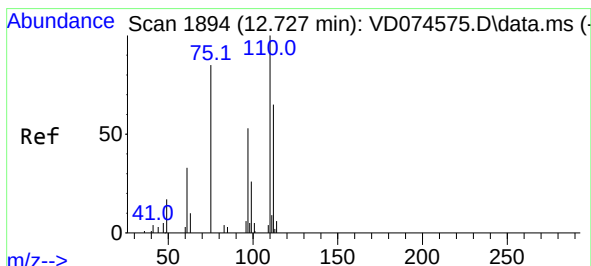
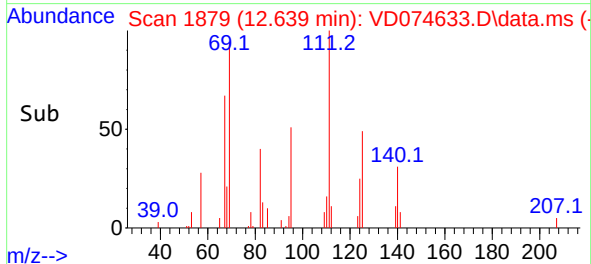
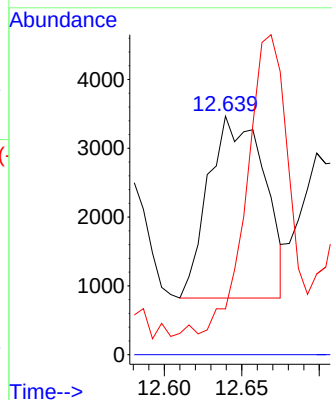
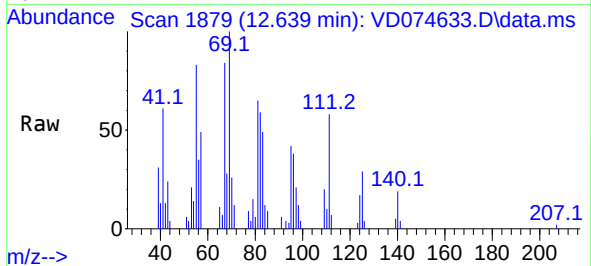




#75
1,1,2,2-Tetrachloroethane
Concen: 9.676 ug/l
RT: 12.639 min Scan# 1879
Delta R.T. -0.030 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

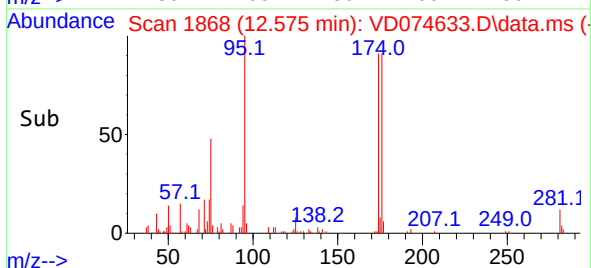
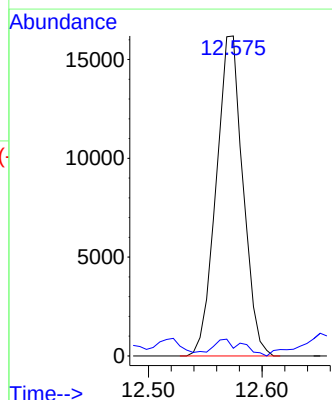
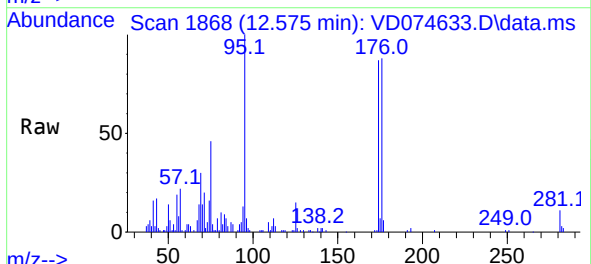
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

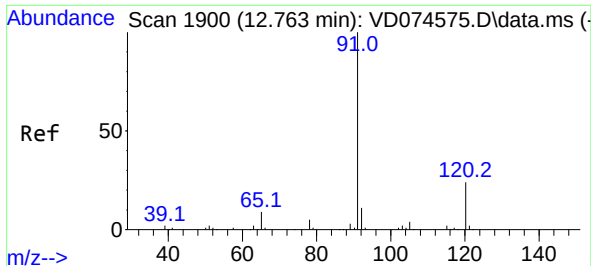
Tgt Ion: 83 Resp: 6609
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 0.0 33.1 99.2#



#76
1,2,3-Trichloropropane
Concen: 54.922 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.141 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 75 Resp: 26531
Ion Ratio Lower Upper
75 100
77 6.0 185.8 557.5#

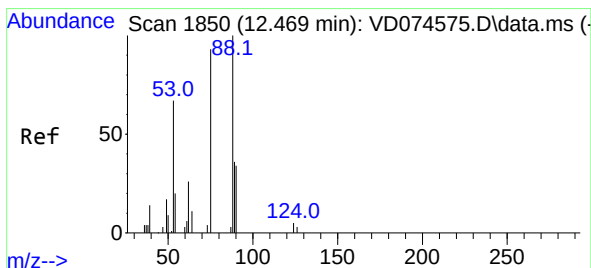
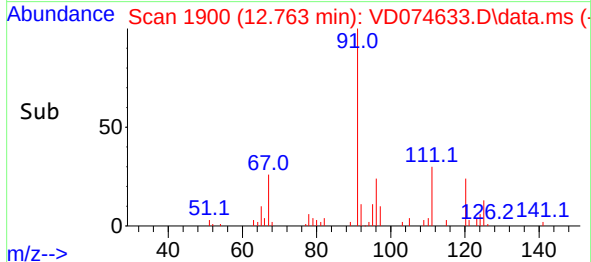
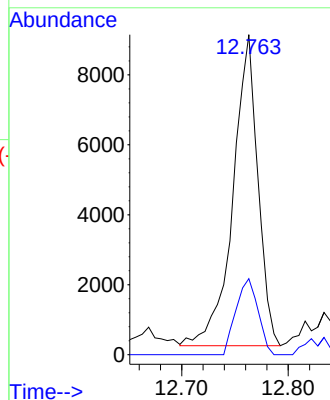
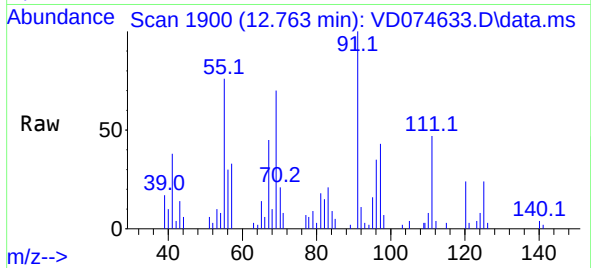




#78
n-propylbenzene
Concen: 2.846 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

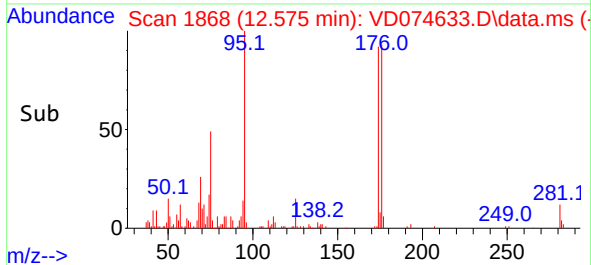
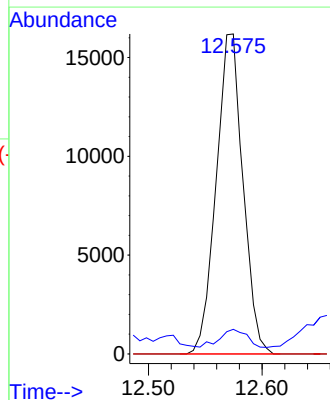
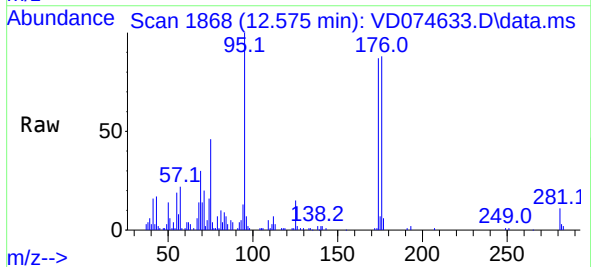
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

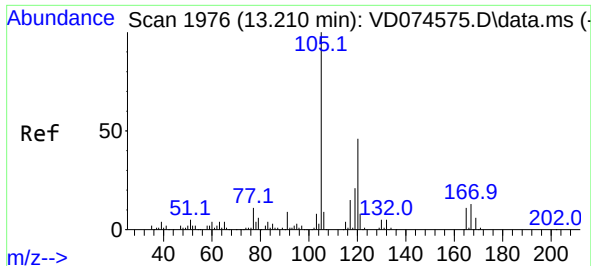
Tgt Ion: 91 Resp: 14510
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.7



#81
trans-1,4-Dichloro-2-butene
Concen: 140.354 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.112 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 75 Resp: 26531
Ion Ratio Lower Upper
75 100
53 5.6 63.8 95.6#
89 0.0 38.2 57.4#

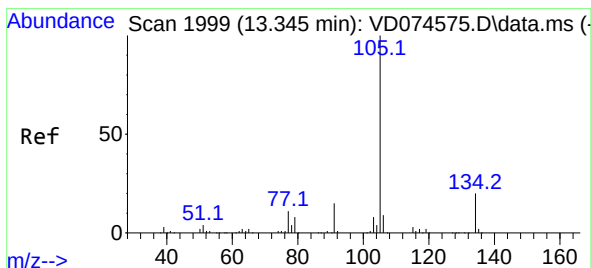
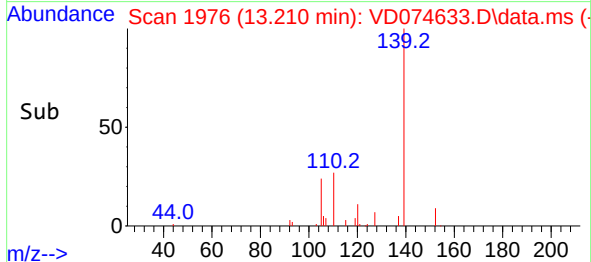
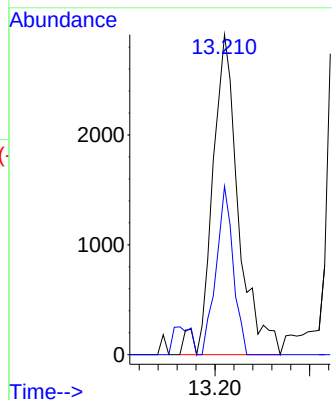
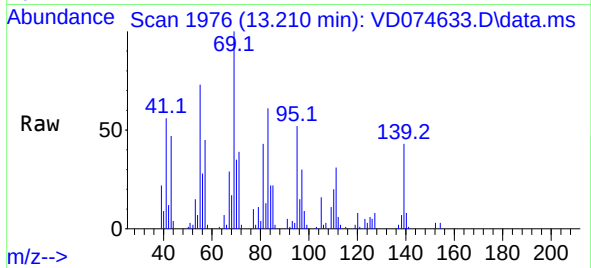




#84
1,2,4-Trimethylbenzene
Concen: 1.606 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

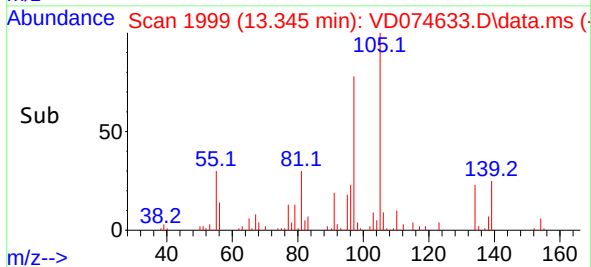
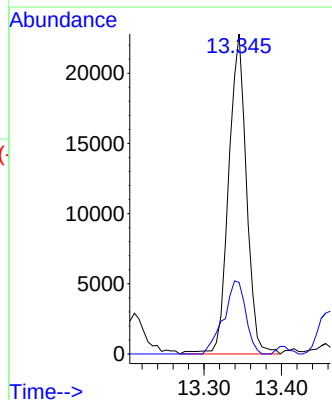
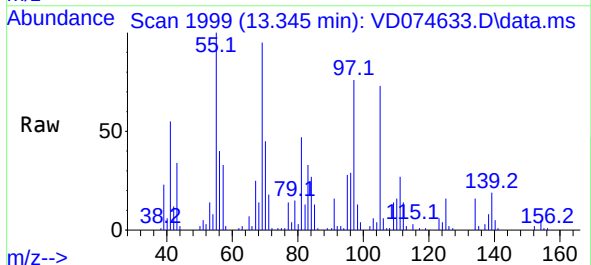
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

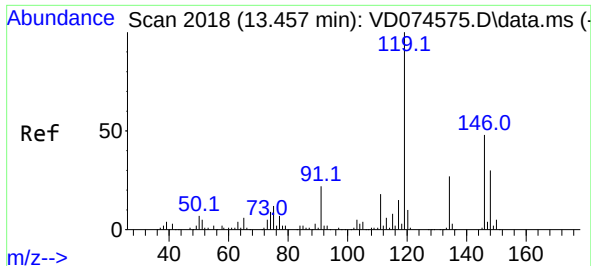
Tgt Ion:105 Resp: 5534
Ion Ratio Lower Upper
105 100
120 34.6 22.9 68.7



#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

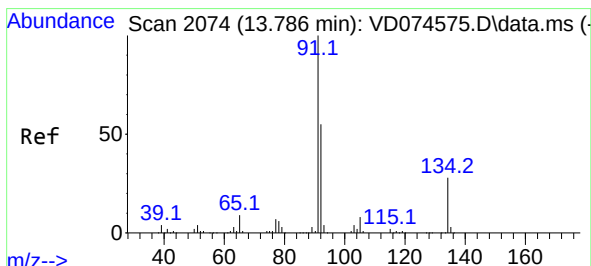
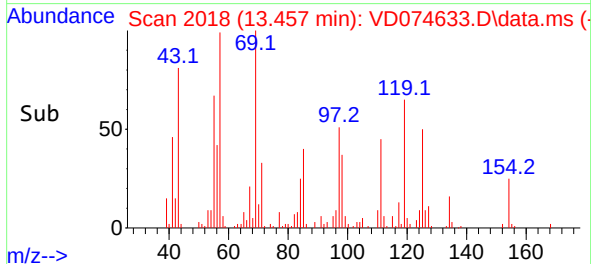
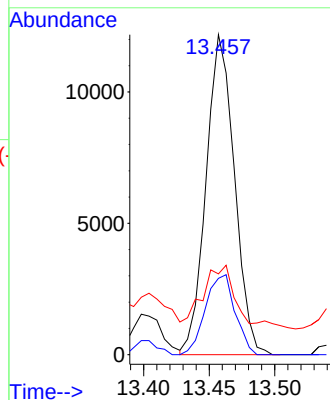
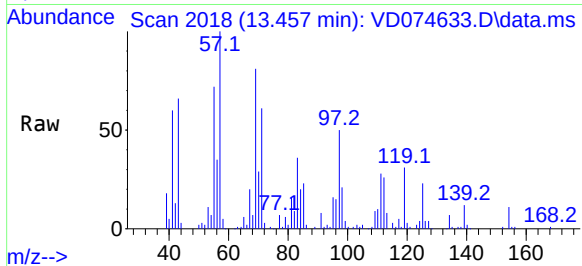




#86
p-Isopropyltoluene
Concen: 4.674 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

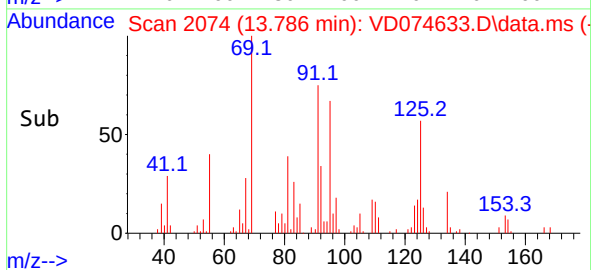
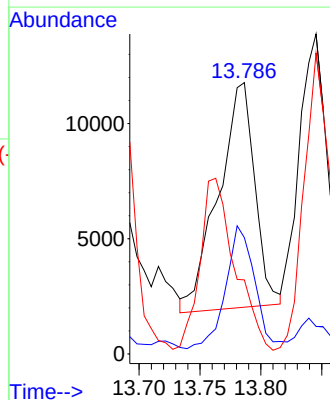
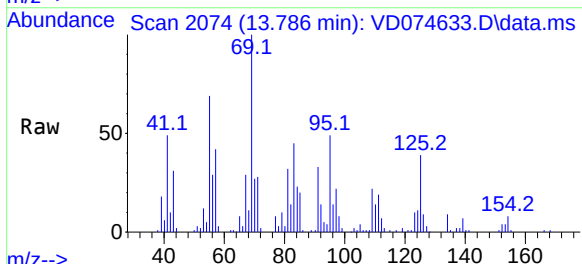
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

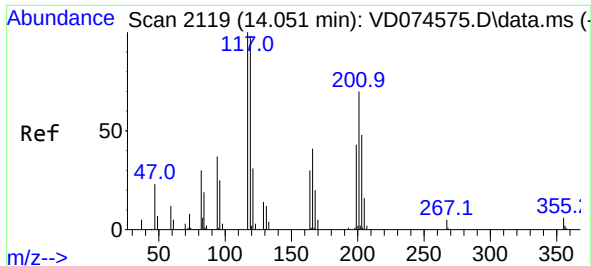
Tgt Ion:119 Resp: 18359
Ion Ratio Lower Upper
119 100
134 26.1 13.5 40.4
91 19.4 10.8 32.4



#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#

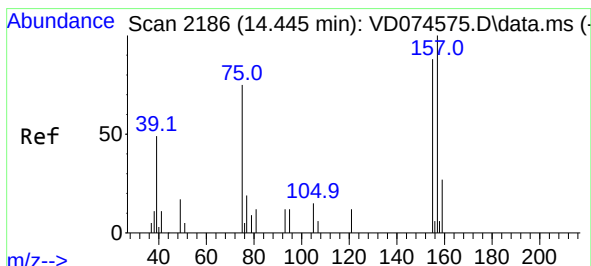
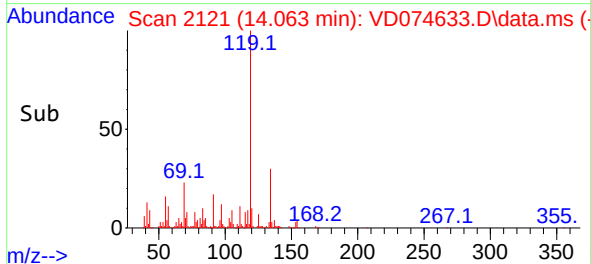
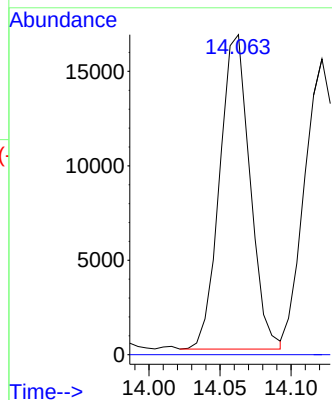
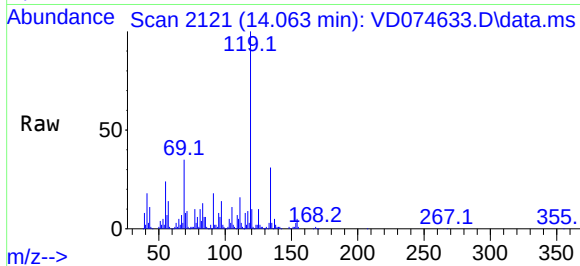




#90
Hexachloroethane
Concen: 36.189 ug/l
RT: 14.063 min Scan# 2119
Delta R.T. 0.018 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

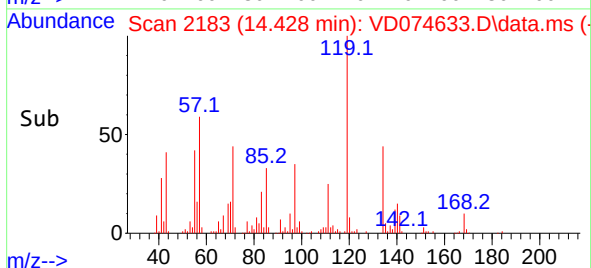
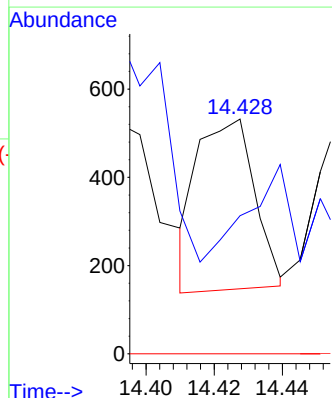
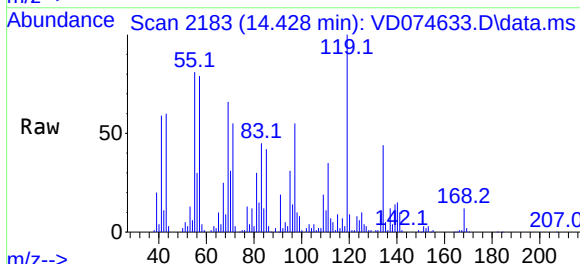
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

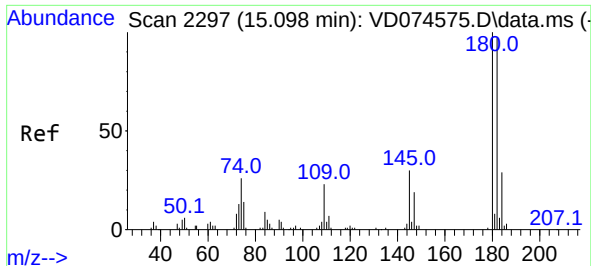
Tgt Ion:117 Resp: 24742
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.764 ug/l
RT: 14.428 min Scan# 2183
Delta R.T. -0.011 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

Tgt Ion: 75 Resp: 450
Ion Ratio Lower Upper
75 100
155 0.0 51.2 153.8#
157 0.0 68.2 204.5#

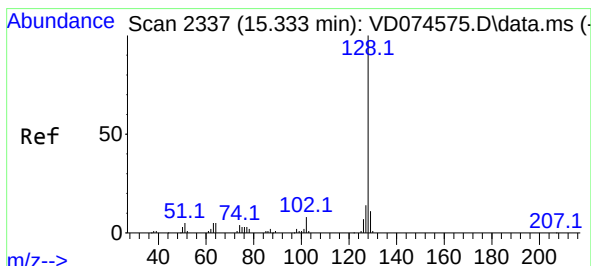
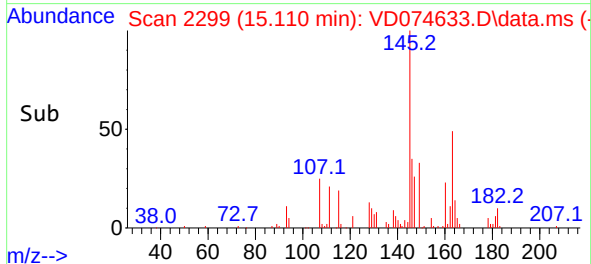
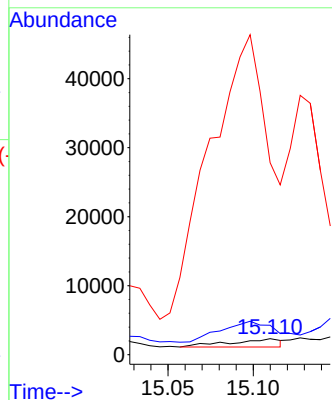
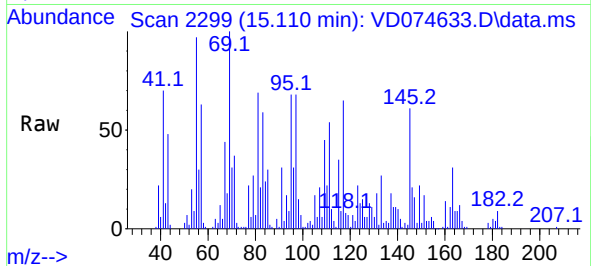




#93
1,2,4-Trichlorobenzene
Concen: 2.168 ug/l
RT: 15.110 min Scan# 21
Delta R.T. 0.018 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

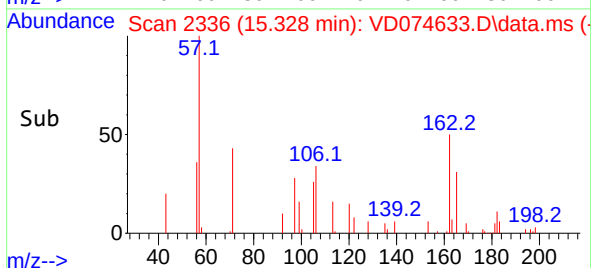
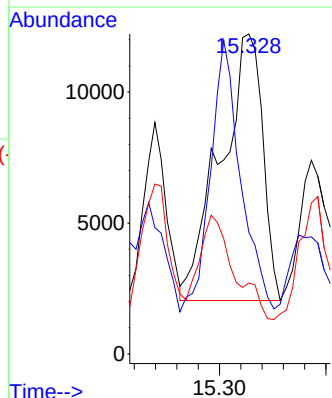
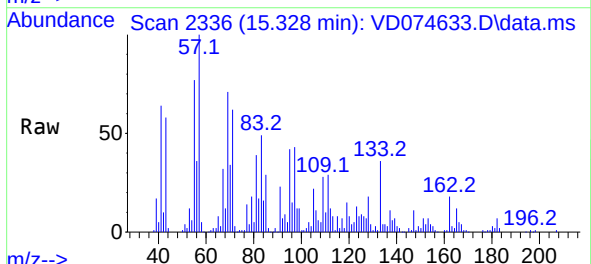
Instrument :
MSVOA_D
ClientSampleId :
TP3-1024

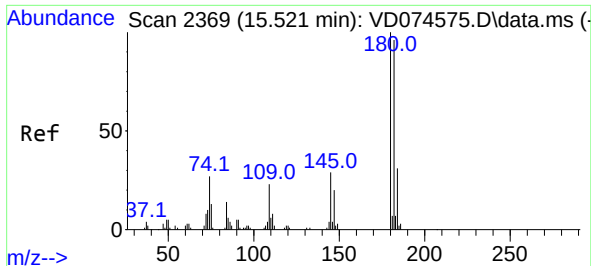
Tgt Ion:180 Resp: 2414
Ion Ratio Lower Upper
180 100
182 306.8 46.9 140.6#
145 4988.2 14.1 42.3#



#95
Naphthalene
Concen: 13.305 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD074633.D
Acq: 25 Oct 2022 15:25

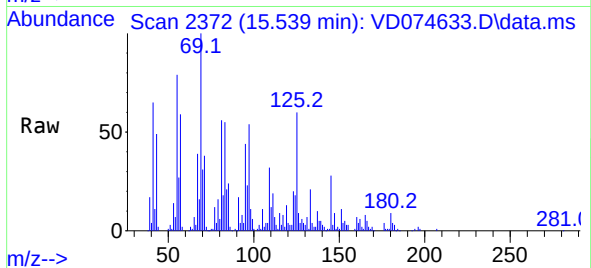
Tgt Ion:128 Resp: 27890
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.3 12.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 6.983 ug/l
 RT: 15.539 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: VD074633.D
 Acq: 25 Oct 2022 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 TP3-1024



Tgt Ion:180 Resp: 6665
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.1#
 145 0.0 14.9 44.7#

