

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072286.D
 Acq On : 18 Mar 2022 13:25
 Operator : VA/SY
 Sample : N1956-03
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TPK-3

Quant Time: Mar 19 05:23:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

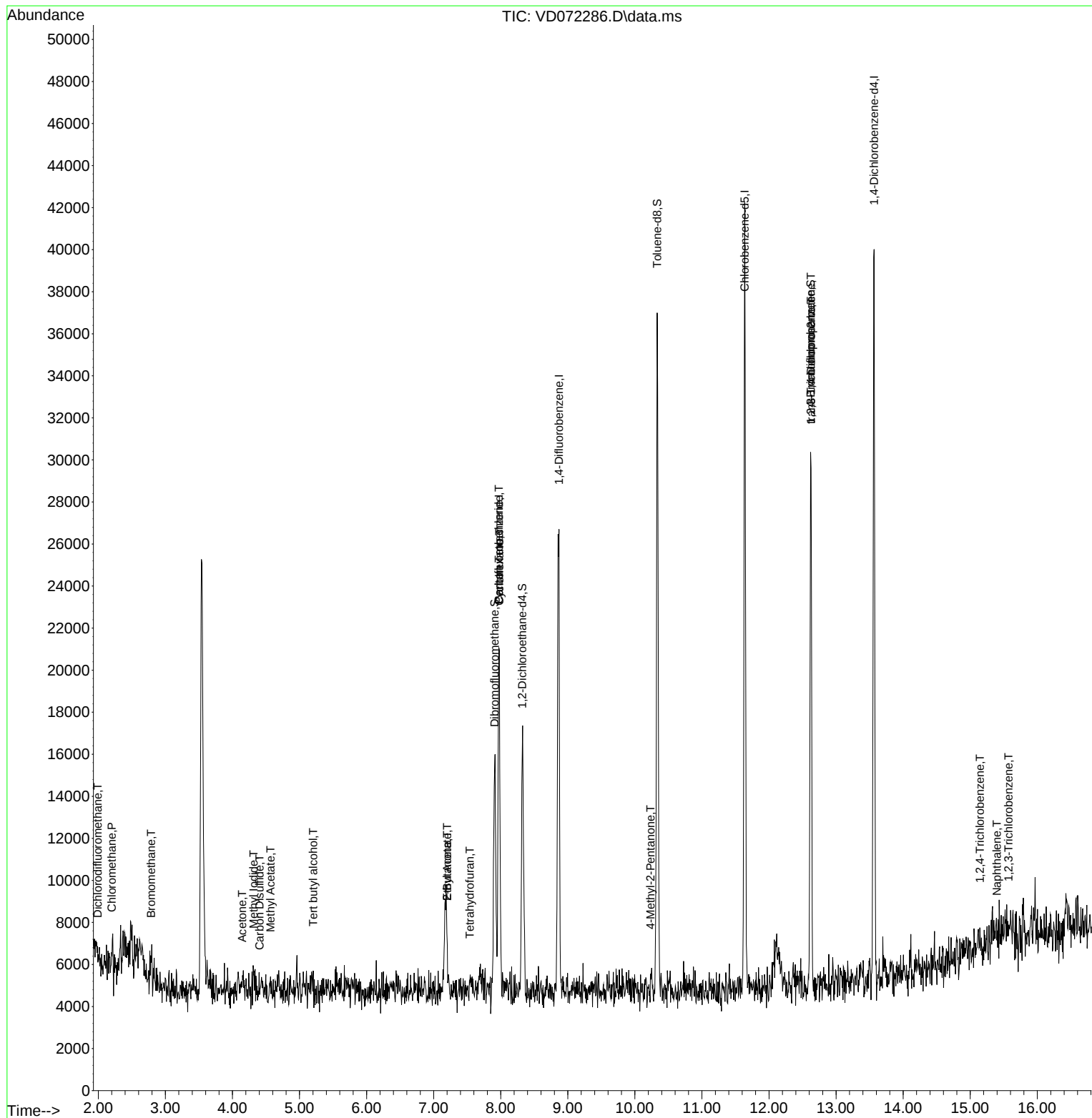
Internal Standards						
1) Pentafluorobenzene	7.973	168	11449	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	18310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	19553	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	9948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9416	73.797	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	147.600%
35) Dibromofluoromethane	7.909	113	7229	56.104	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.200%
50) Toluene-d8	10.332	98	22697	48.175	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.620	95	8422	46.006	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	155	1.464	ug/l	# 43
3) Chloromethane	2.203	50	675	7.173	ug/l	# 1
5) Bromomethane	2.785	94	1086	18.361	ug/l	# 80
10) Methyl Iodide	4.315	142	862	9.255	ug/l	# 65
11) Tert butyl alcohol	5.203	59	135	18.248	ug/l	# 74
16) Acetone	4.144	43	1395	50.356	ug/l	# 66
17) Carbon Disulfide	4.403	76	65	1.757	ug/l	# 74
18) Methyl Acetate	4.567	43	72	1.061	ug/l	# 55
20) Methylene Chloride	4.956	84	69	Below Cal	#	14
25) 2-Butanone	7.203	43	153	4.142	ug/l	# 52
29) Tetrahydrofuran	7.538	42	112	5.157	ug/l	# 38
31) Cyclohexane	7.979	56	260	1.304	ug/l	# 85
37) Ethyl Acetate	7.203	43	153	1.932	ug/l	# 1
38) Carbon Tetrachloride	7.973	117	1011	4.920	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.232	43	365	4.522	ug/l	# 39
76) 1,2,3-Trichloropropane	12.626	75	4523	41.217	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	4523	102.265	ug/l	# 7
93) 1,2,4-Trichlorobenzene	15.143	180	234	1.090	ug/l	# 63
95) Naphthalene	15.396	128	1106	2.989	ug/l	# 70
96) 1,2,3-Trichlorobenzene	15.573	180	259	1.394	ug/l	91

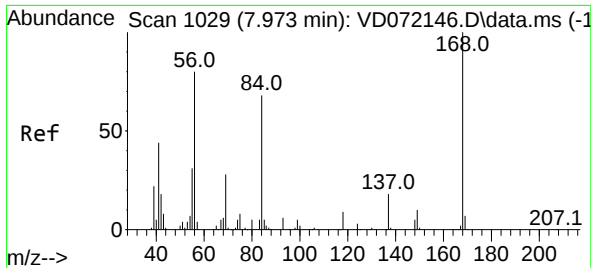
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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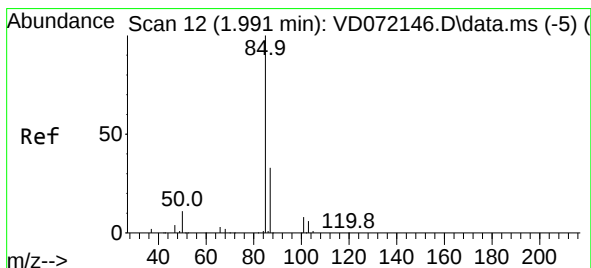
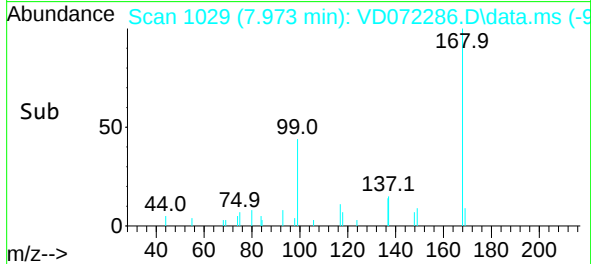
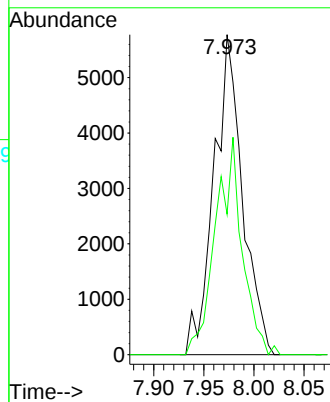
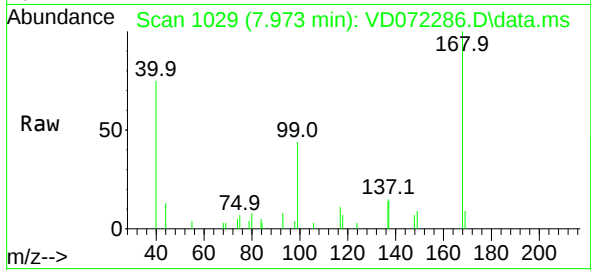




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

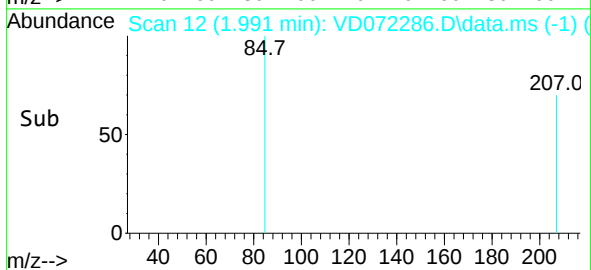
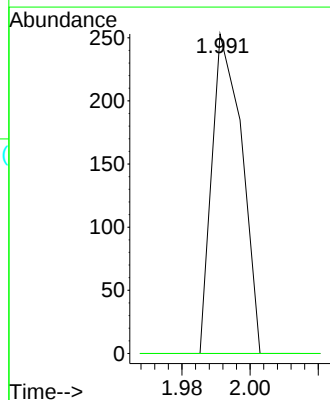
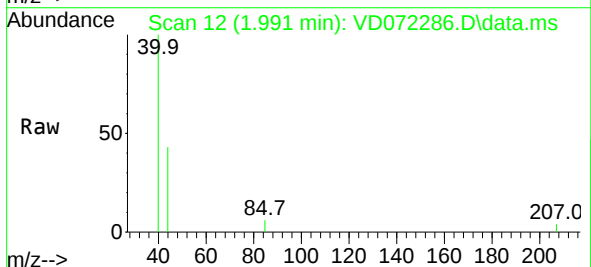
Instrument :
MSVOA_D
ClientSampleId :
TPK-3

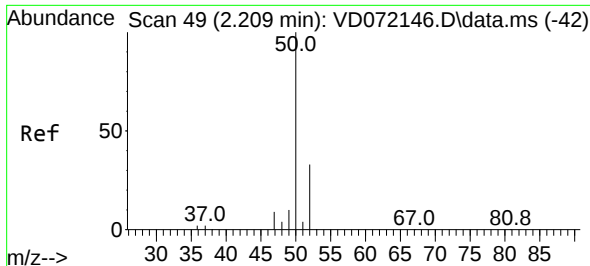
Tgt Ion:168 Resp: 11449
Ion Ratio Lower Upper
168 100
99 43.9 49.8 74.6#



#2
Dichlorodifluoromethane
Concen: 1.464 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion: 85 Resp: 155
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

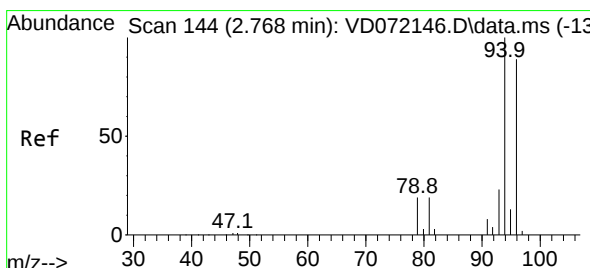
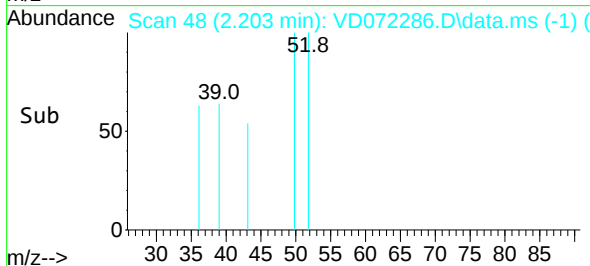
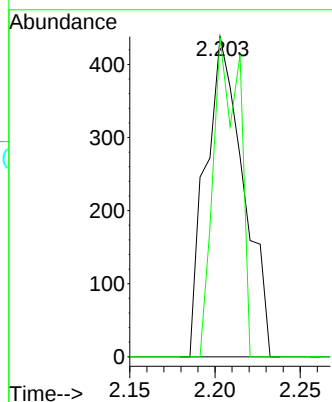
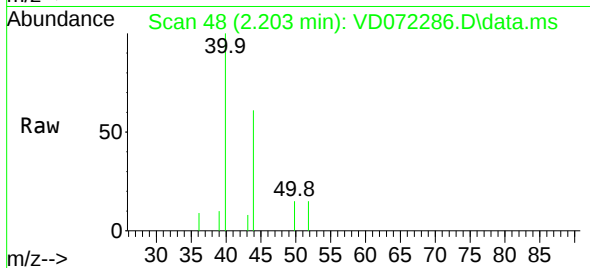




#3
Chloromethane
Concen: 7.173 ug/l
RT: 2.203 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

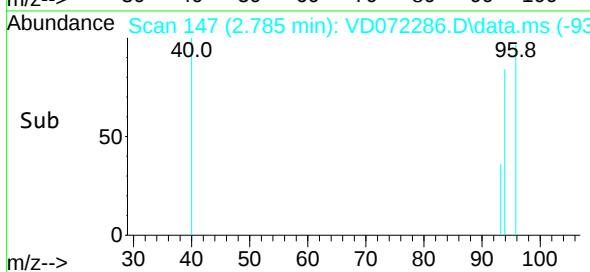
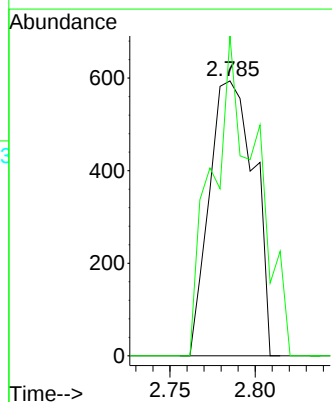
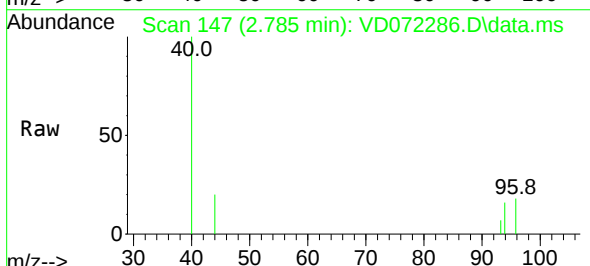
Instrument :
MSVOA_D
ClientSampleId :
TPK-3

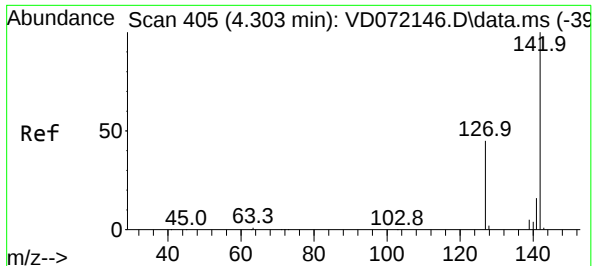
Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 99.8 27.4 41.0#



#5
Bromomethane
Concen: 18.361 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

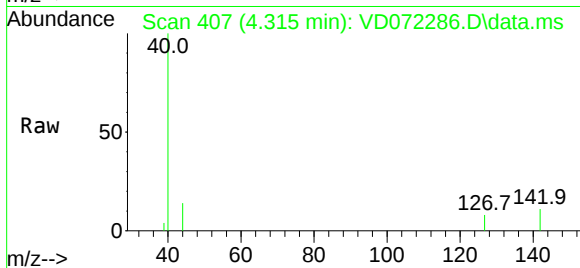
Tgt Ion: 94 Resp: 1086
Ion Ratio Lower Upper
94 100
96 116.3 77.6 116.4



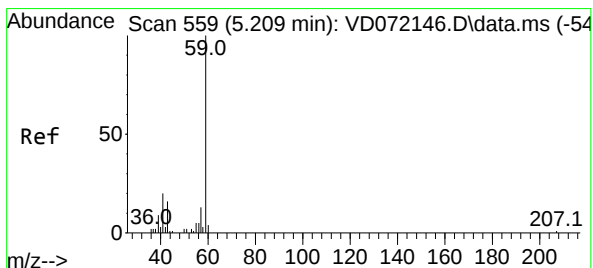
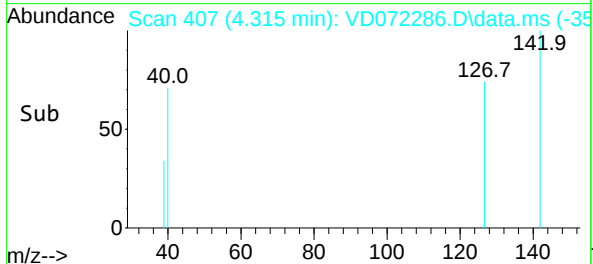
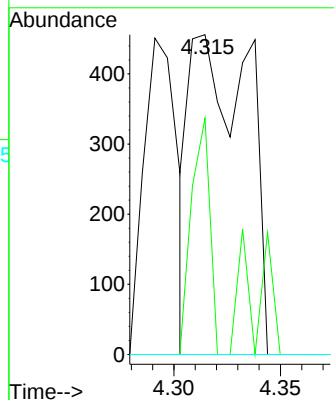


#10
Methyl Iodide
Concen: 9.255 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
TPK-3

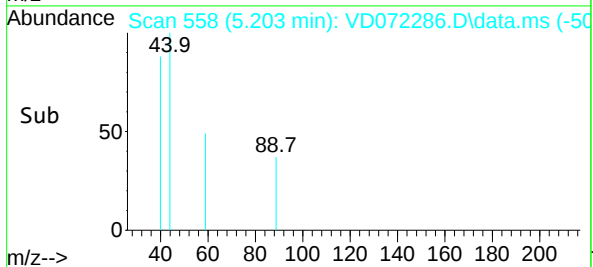
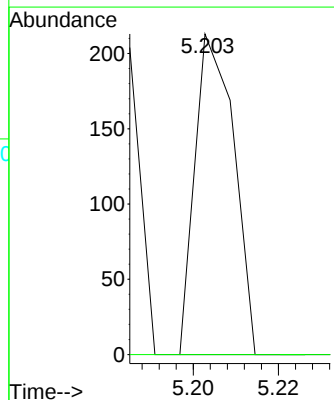
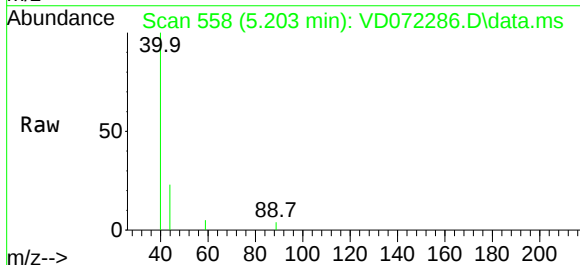


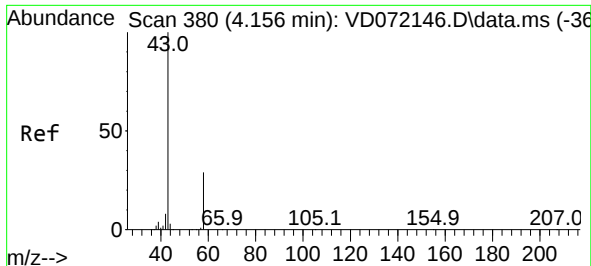
Tgt Ion:142 Resp: 862
Ion Ratio Lower Upper
142 100
127 23.7 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 18.248 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.006 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

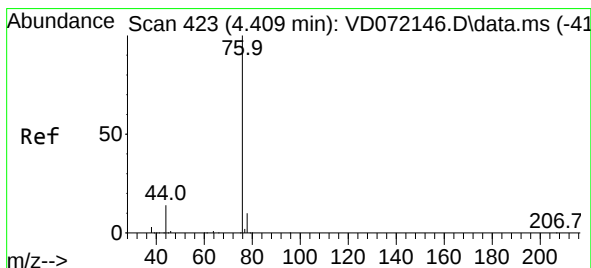
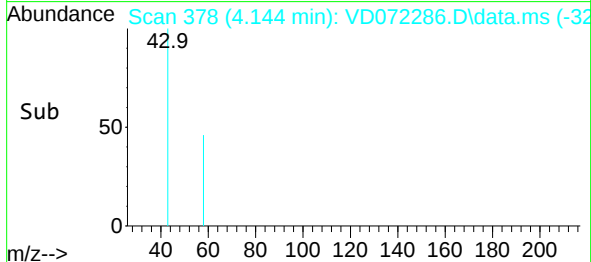
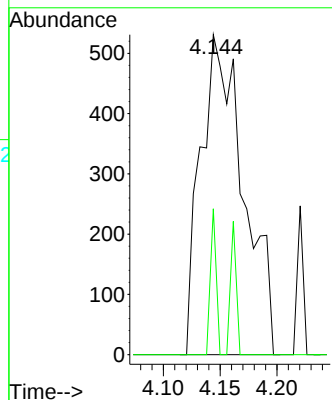
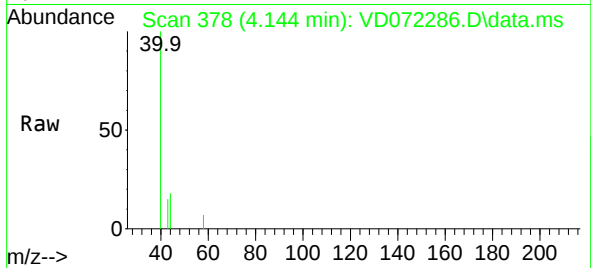




#16
Acetone
Concen: 50.356 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

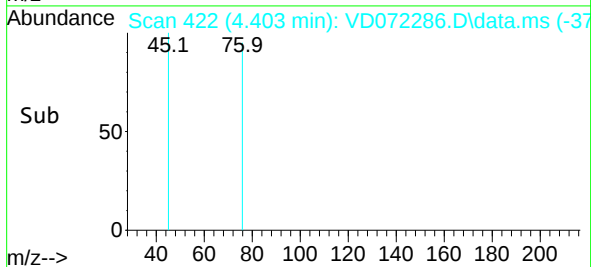
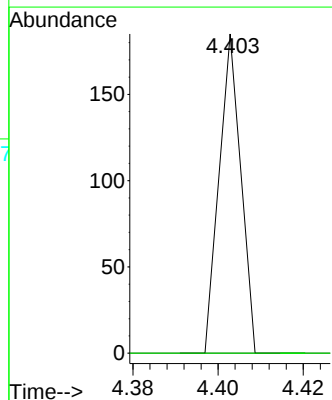
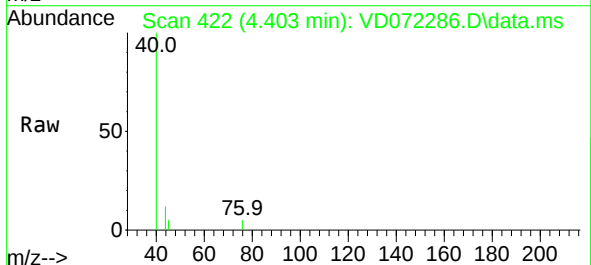
Instrument :
MSVOA_D
ClientSampleId :
TPK-3

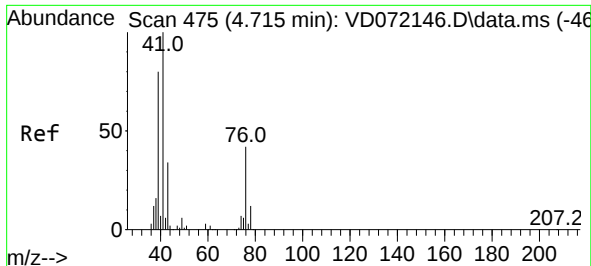
Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 45.6 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.757 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion: 76 Resp: 65
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

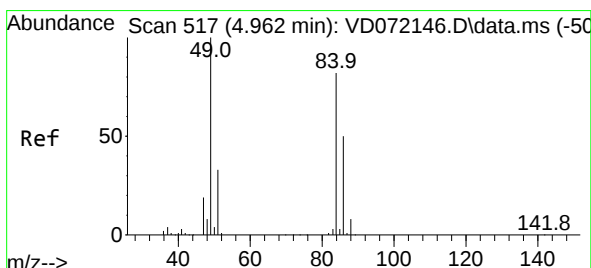
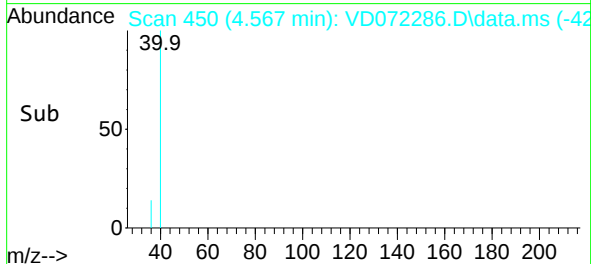
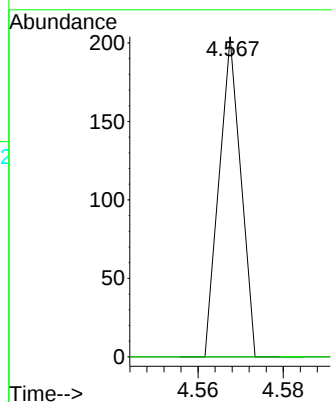
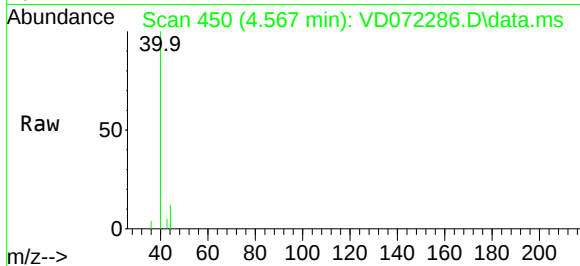




#18
Methyl Acetate
Concen: 1.061 ug/l
RT: 4.567 min Scan# 41
Delta R.T. -0.147 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

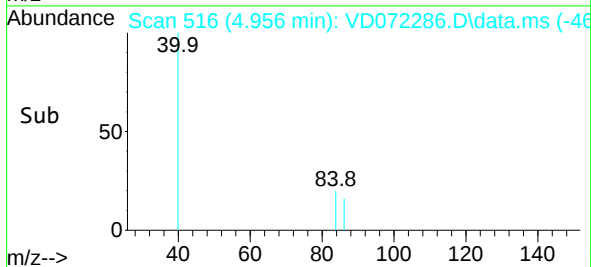
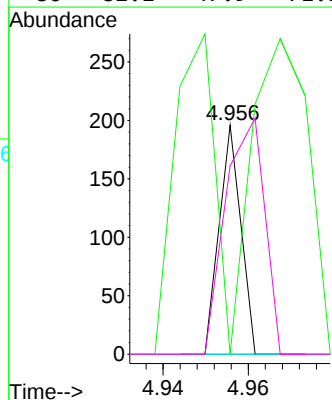
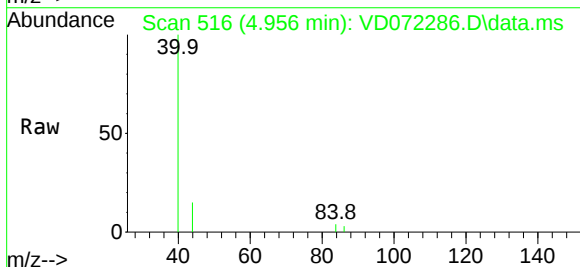
Instrument :
MSVOA_D
ClientSampleId :
TPK-3

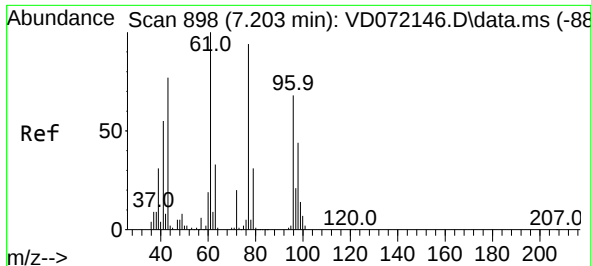
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion: 84 Resp: 69
Ion Ratio Lower Upper
84 100
49 0.0 112.8 169.2#
51 0.0 32.6 48.8#
86 82.1 47.9 71.9#

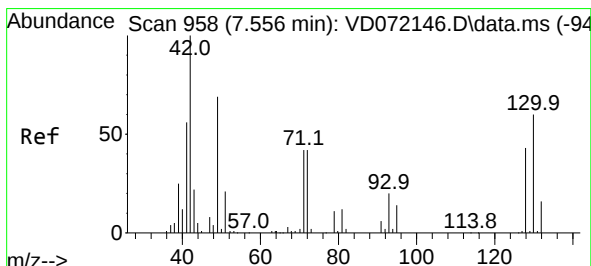
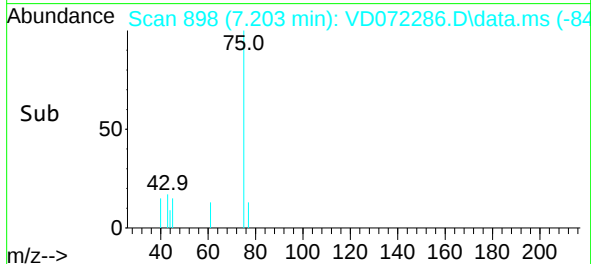
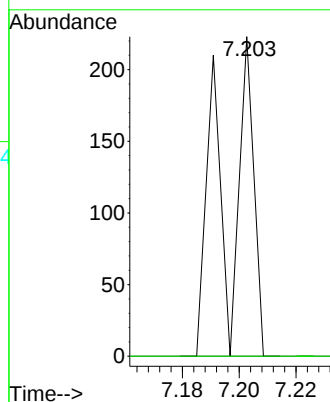
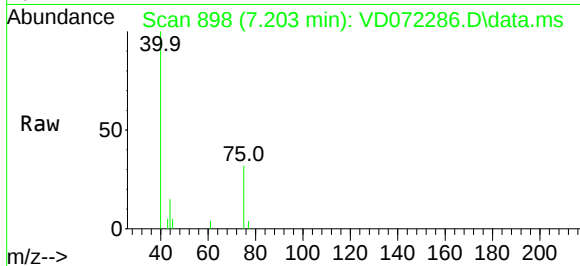




#25
2-Butanone
Concen: 4.142 ug/l
RT: 7.203 min Scan# 898
Delta R.T. 0.000 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

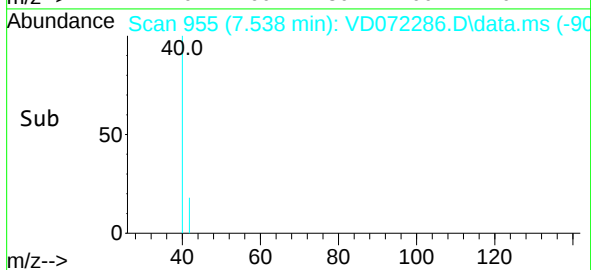
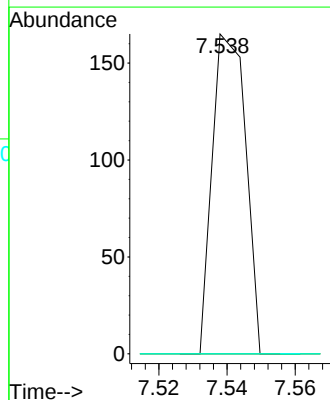
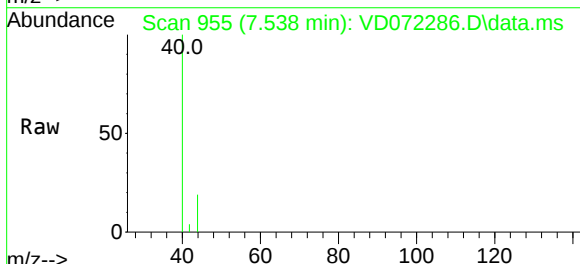
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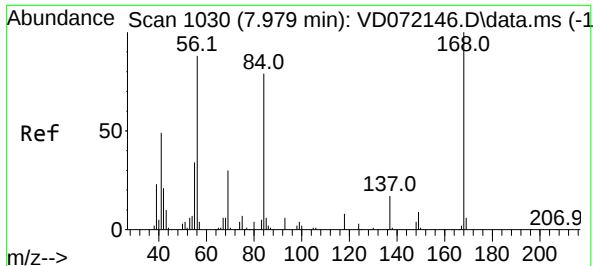
Tgt Ion: 43 Resp: 153
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 5.157 ug/l
RT: 7.538 min Scan# 955
Delta R.T. -0.018 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion: 42 Resp: 112
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072286.D

Acq: 18 Mar 2022 13:25

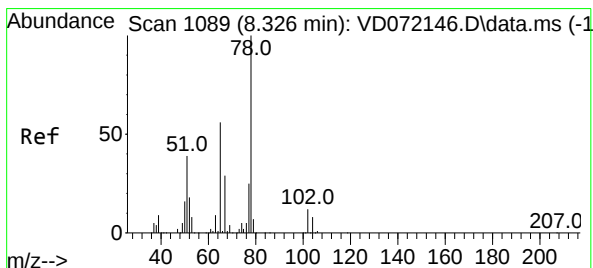
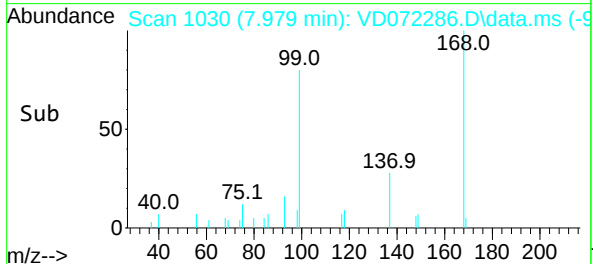
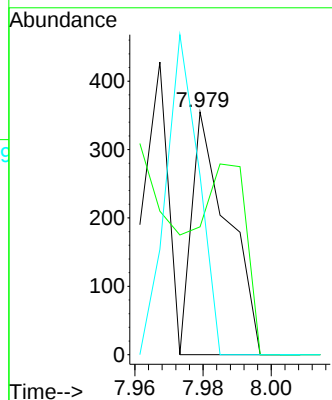
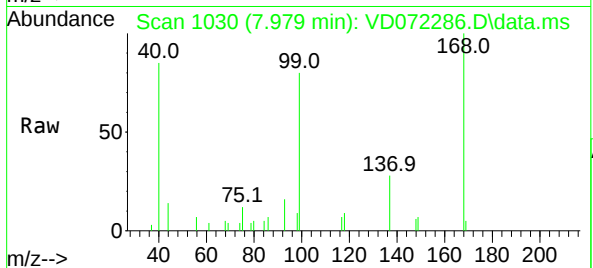
Instrument :

MSVOA_D

ClientSampleId :

TPK-3

Tgt Ion: 56	Resp: 260
Ion Ratio	Lower Upper
56 100	
69 52.7	25.4 38.2#
84 73.8	63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 73.797 ug/l

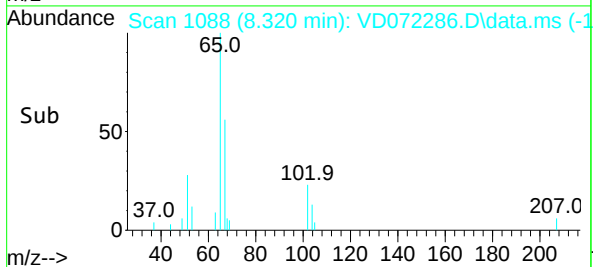
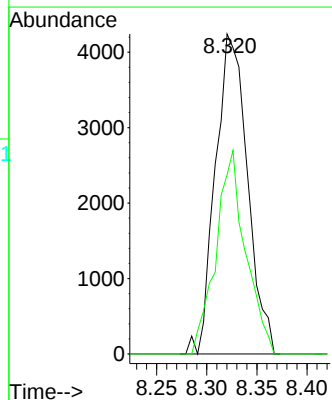
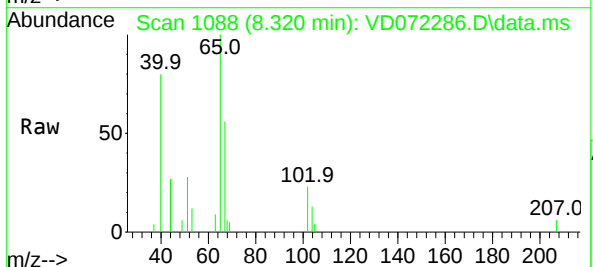
RT: 8.320 min Scan# 1088

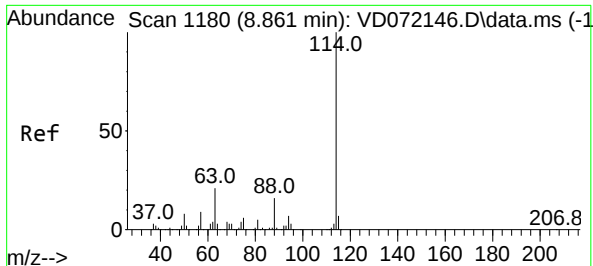
Delta R.T. -0.006 min

Lab File: VD072286.D

Acq: 18 Mar 2022 13:25

Tgt Ion: 65	Resp: 9416
Ion Ratio	Lower Upper
65 100	
67 59.0	0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD072286.D

Acq: 18 Mar 2022 13:25

Instrument :

MSVOA_D

ClientSampleId :

TPK-3

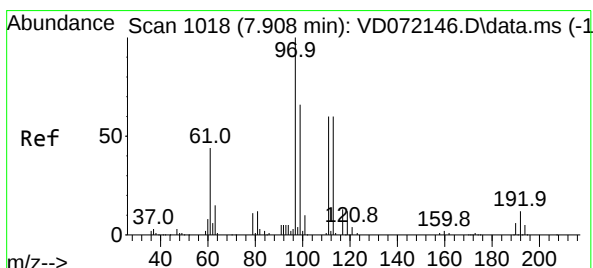
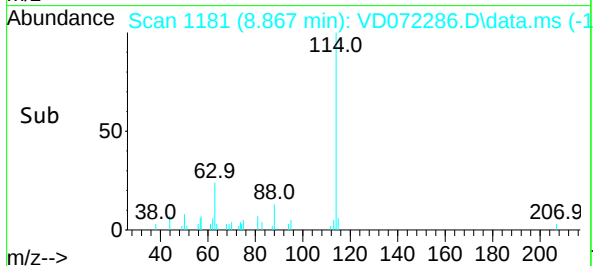
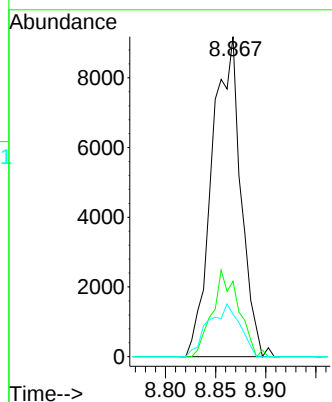
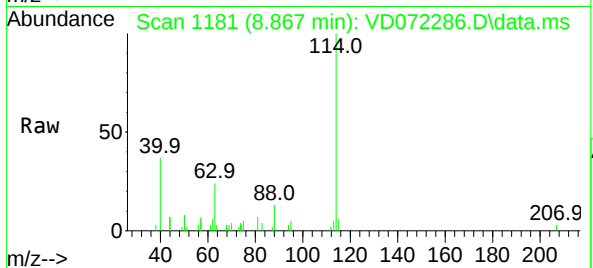
Tgt Ion:114 Resp: 18310

Ion Ratio Lower Upper

114 100

63 26.8 0.0 46.6

88 13.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 56.104 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072286.D

Acq: 18 Mar 2022 13:25

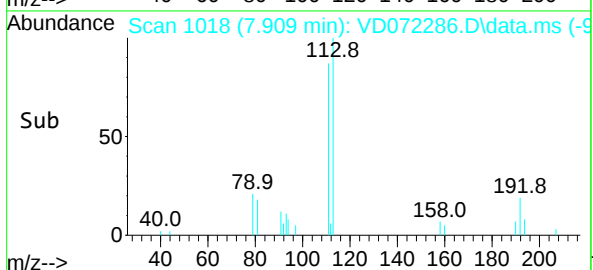
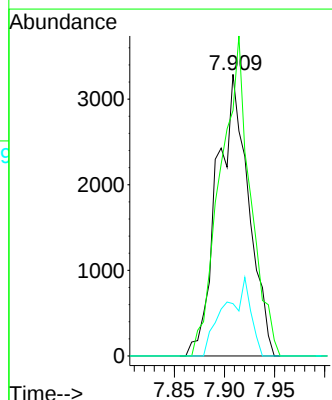
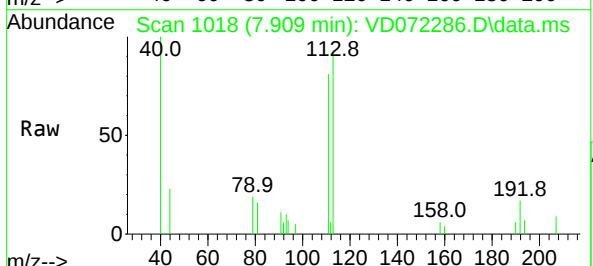
Tgt Ion:113 Resp: 7229

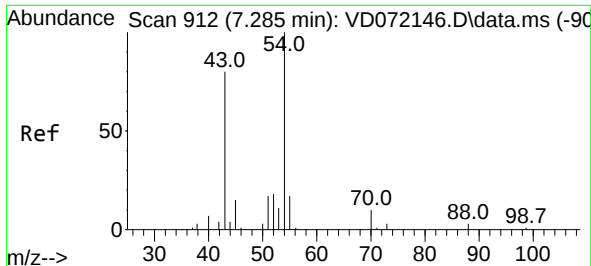
Ion Ratio Lower Upper

113 100

111 107.4 83.8 125.6

192 22.7 14.6 21.8#





#37

Ethyl Acetate

Concen: 1.932 ug/l

RT: 7.203 min Scan# 89

Delta R.T. -0.082 min

Lab File: VD072286.D

Acq: 18 Mar 2022 13:25

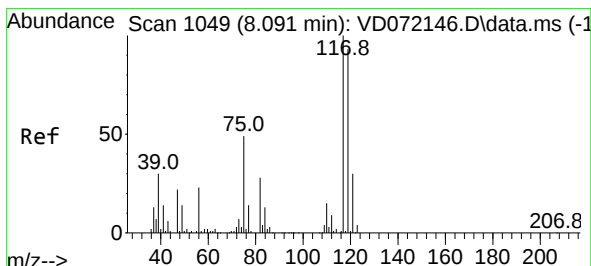
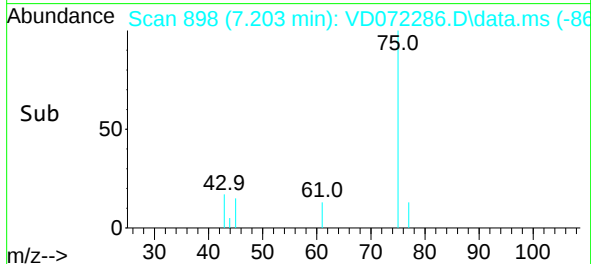
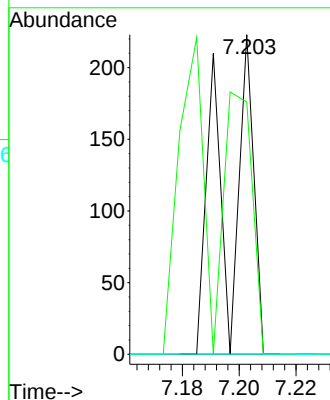
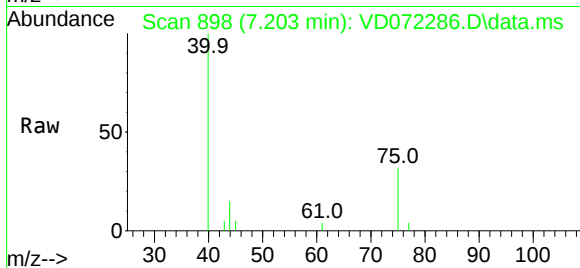
Instrument :

MSVOA_D

ClientSampleId :

TPK-3

Tgt Ion: 43	Resp: 153
Ion Ratio	Lower Upper
43 100	
61 83.0	9.8 14.8#
70 0.0	6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.920 ug/l

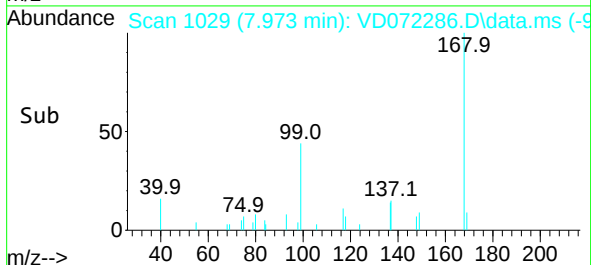
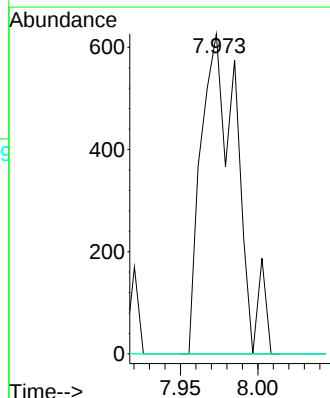
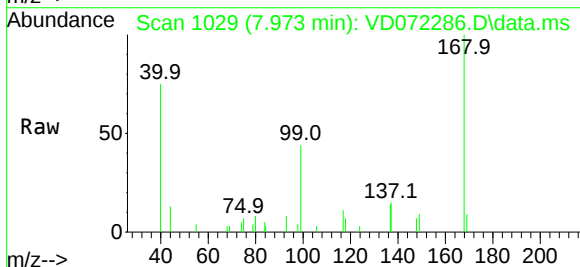
RT: 7.973 min Scan# 1029

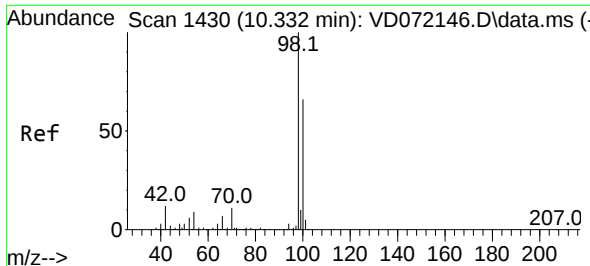
Delta R.T. -0.118 min

Lab File: VD072286.D

Acq: 18 Mar 2022 13:25

Tgt Ion: 117	Resp: 1011
Ion Ratio	Lower Upper
117 100	
119 0.0	75.8 113.6#
121 0.0	24.5 36.7#

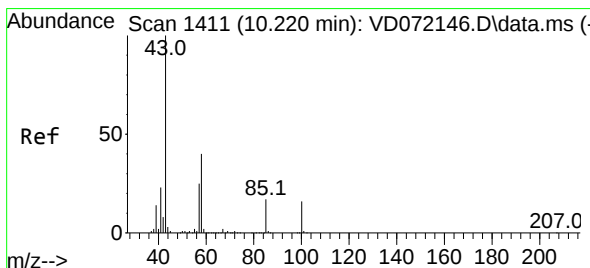
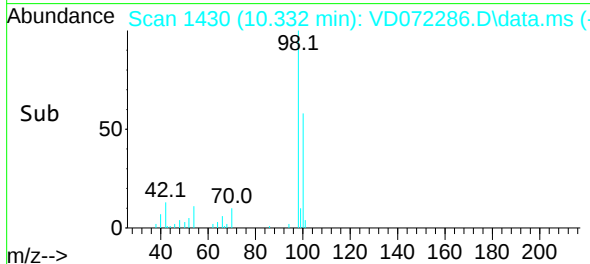
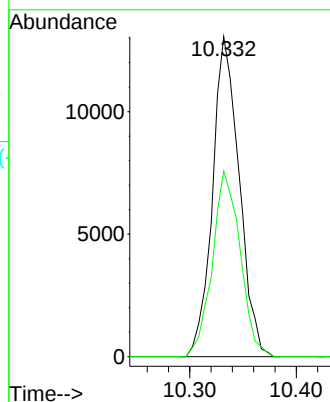
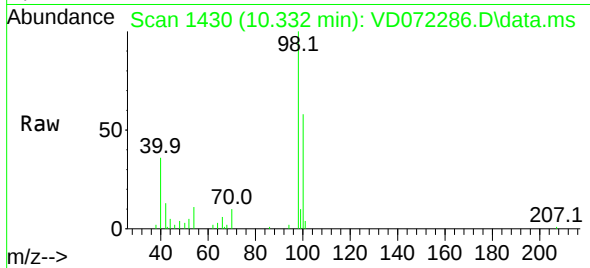




#50
Toluene-d8
Concen: 48.175 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

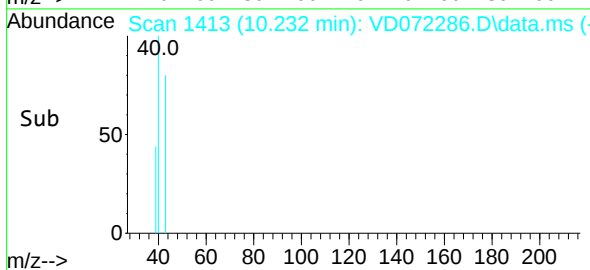
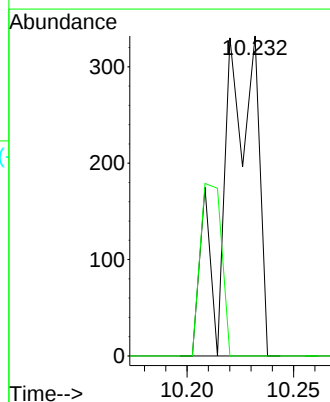
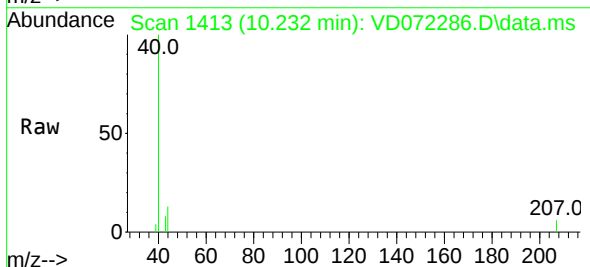
Instrument :
MSVOA_D
ClientSampleId :
TPK-3

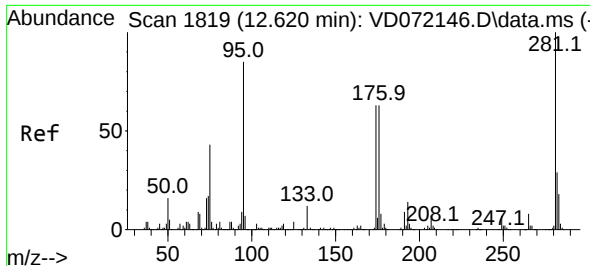
Tgt Ion: 98 Resp: 22697
Ion Ratio Lower Upper
98 100
100 60.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 4.522 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.012 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion: 43 Resp: 365
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

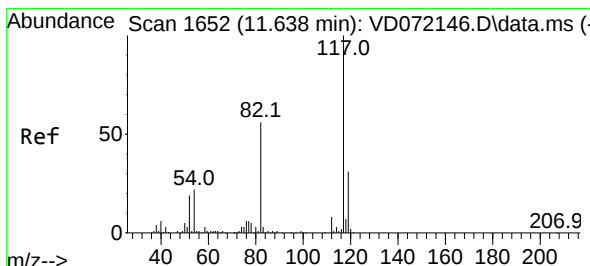
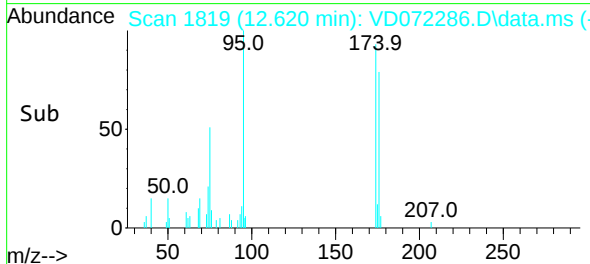
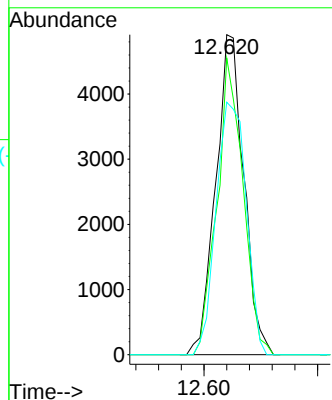
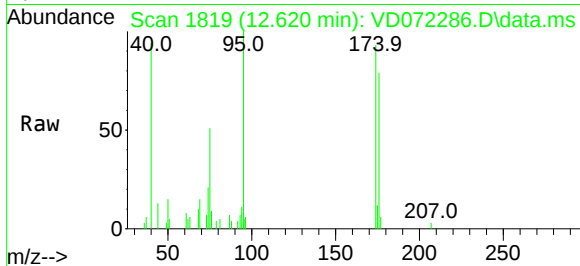




#62
4-Bromofluorobenzene
Concen: 46.006 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

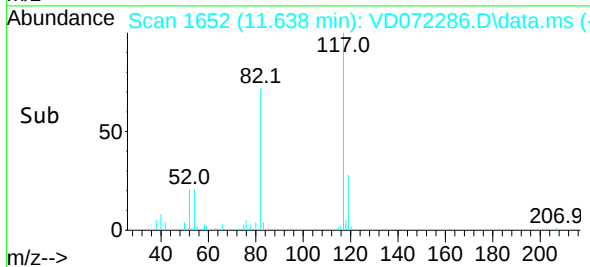
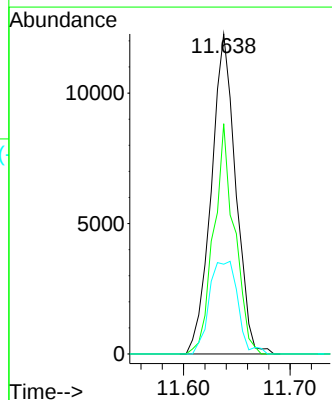
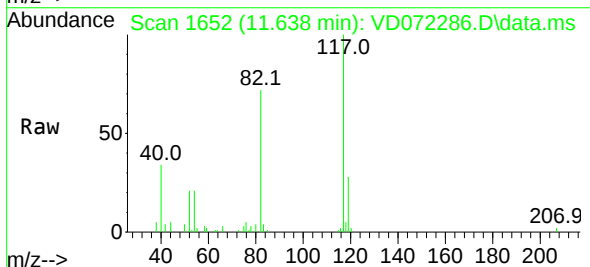
Instrument :
MSVOA_D
ClientSampleId :
TPK-3

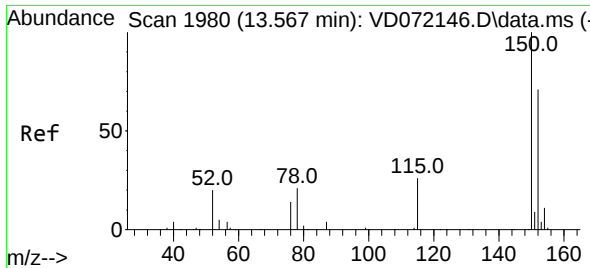
Tgt Ion:	95	Resp:	8422
Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	152.8
176	84.7	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion:	117	Resp:	19553
Ion	Ratio	Lower	Upper
117	100		
82	72.0	45.3	67.9
119	28.1	26.6	40.0

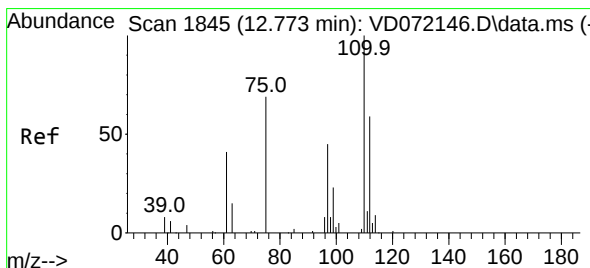
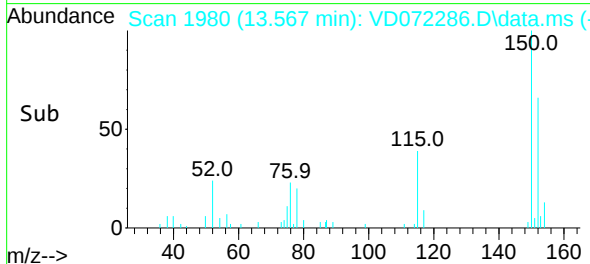
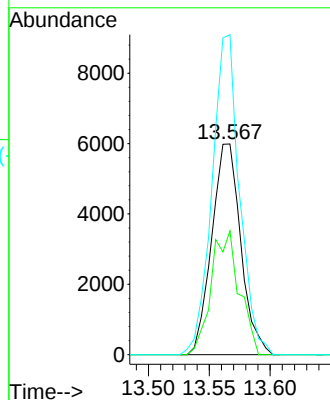
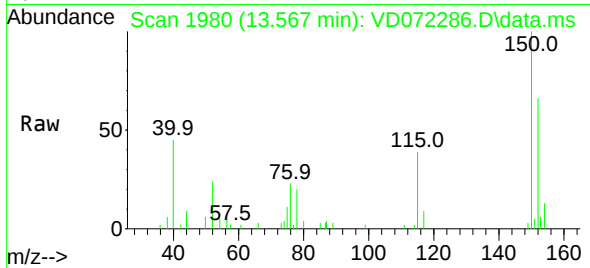




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

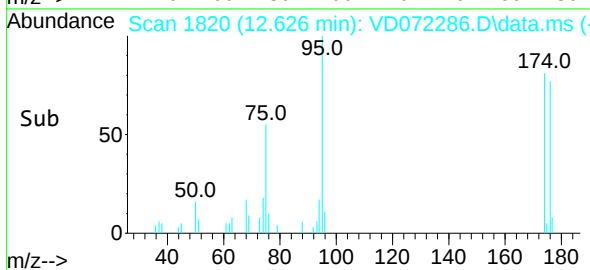
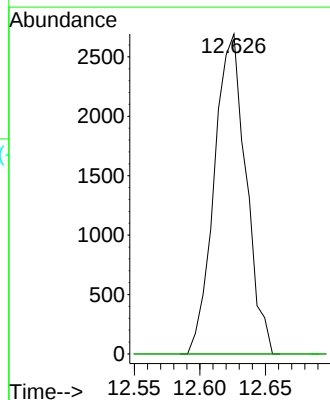
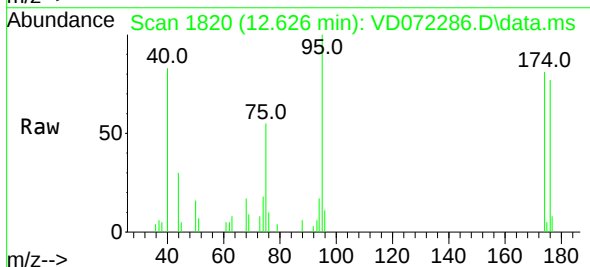
Instrument :
MSVOA_D
ClientSampleId :
TPK-3

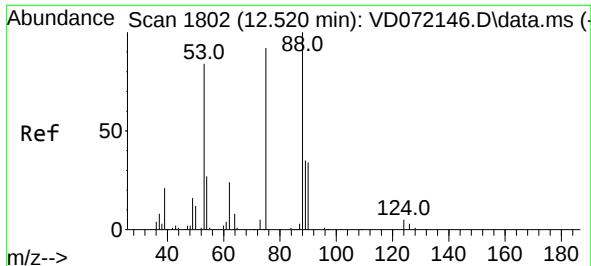
Tgt Ion:152 Resp: 9948
Ion Ratio Lower Upper
152 100
115 56.6 31.3 93.8
150 143.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 41.217 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion: 75 Resp: 4523
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

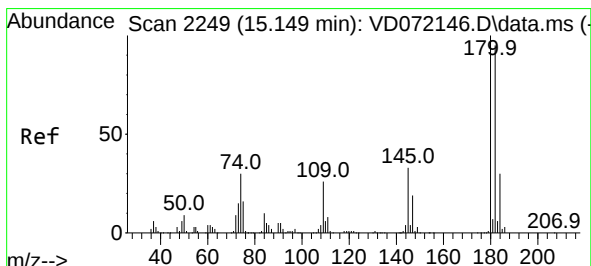
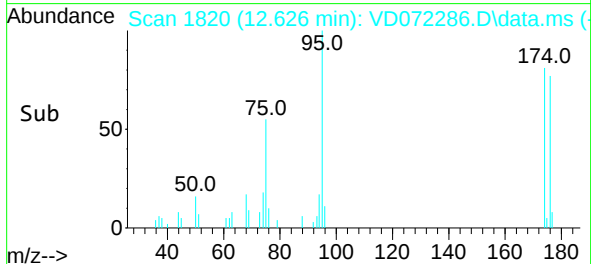
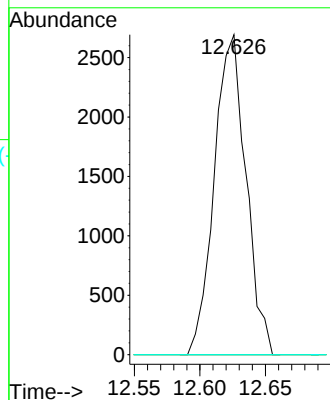
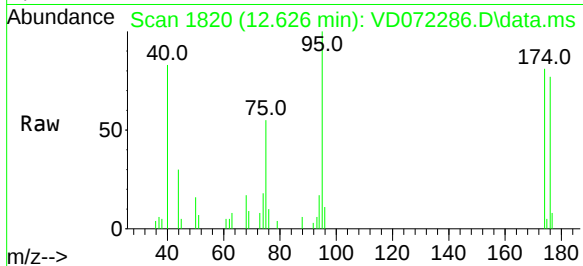




#81
trans-1,4-Dichloro-2-butene
Concen: 102.265 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

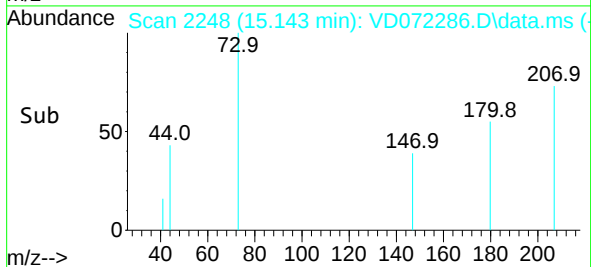
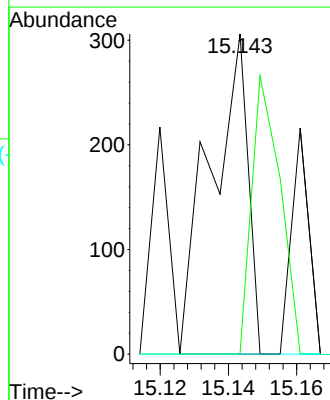
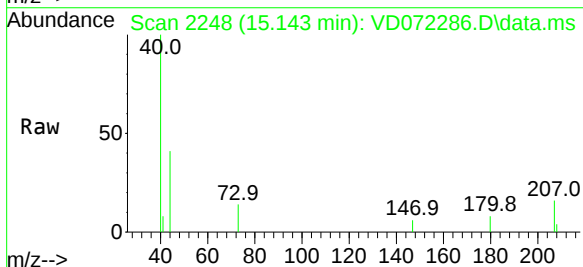
Instrument :
MSVOA_D
ClientSampleId :
TPK-3

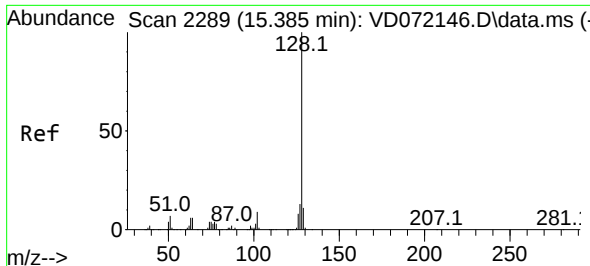
Tgt Ion: 75 Resp: 4523
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.090 ug/l
RT: 15.143 min Scan# 2248
Delta R.T. -0.006 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion:180 Resp: 234
Ion Ratio Lower Upper
180 100
182 65.4 47.3 142.0
145 0.0 16.2 48.5#

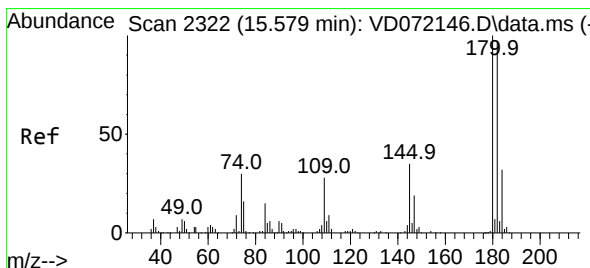
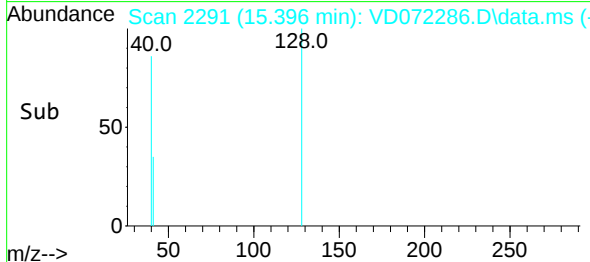
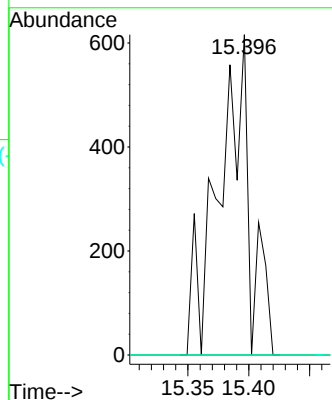
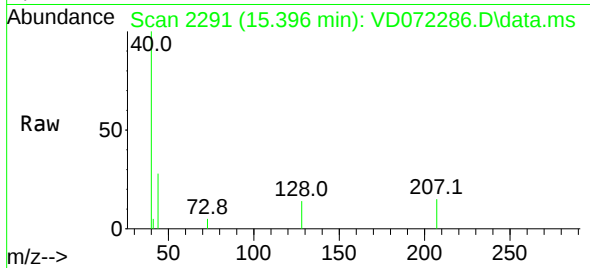




#95
Naphthalene
Concen: 2.989 ug/l
RT: 15.396 min Scan# 211
Delta R.T. 0.012 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Instrument :
MSVOA_D
ClientSampleId :
TPK-3

Tgt Ion:128 Resp: 1106
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.394 ug/l
RT: 15.573 min Scan# 2321
Delta R.T. -0.006 min
Lab File: VD072286.D
Acq: 18 Mar 2022 13:25

Tgt Ion:180 Resp: 259
Ion Ratio Lower Upper
180 100
182 88.0 47.6 142.9
145 26.3 17.1 51.3

