

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072431.D
 Acq On : 25 Mar 2022 16:13
 Operator : VA/SY
 Sample : VIBLK
 Misc : 4.31G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

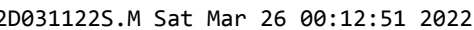
Quant Time: Mar 26 00:12:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

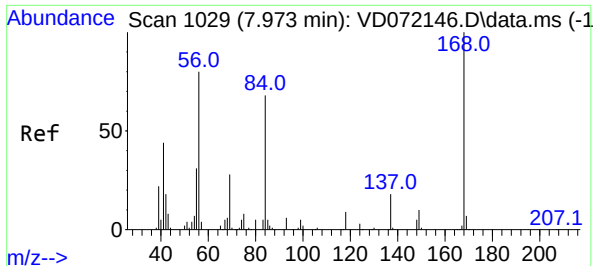
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	496645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	818885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	925296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	499409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	208034	37.586	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.180%
35) Dibromofluoromethane	7.914	113	232635	40.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.740%
50) Toluene-d8	10.332	98	1038761	49.298	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.600%
62) 4-Bromofluorobenzene	12.620	95	485425	59.291	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.580%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	407	2.303	ug/l #	38
16) Acetone	4.162	43	2388	1.987	ug/l #	63
17) Carbon Disulfide	4.409	76	3990	1.864	ug/l #	93
20) Methylene Chloride	4.950	84	7499	Below Cal		88
29) Tetrahydrofuran	7.550	42	1594	1.692	ug/l #	68
31) Cyclohexane	7.967	56	15349	1.775	ug/l #	19
40) Benzene	8.350	78	57005	2.472	ug/l	97
49) 1,4-Dioxane	9.467	88	105	2.814	ug/l #	4
67) Ethyl Benzene	11.738	91	67519	1.843	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	49185	6.949	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	267109	48.487	ug/l #	100
77) Bromobenzene	12.955	156	2069266	232.306	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.526	75	99625	44.869	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.255	105	50025	1.493	ug/l	97
95) Naphthalene	15.385	128	427044	22.990	ug/l	99

(#) = 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
Response via : Initial Calibration

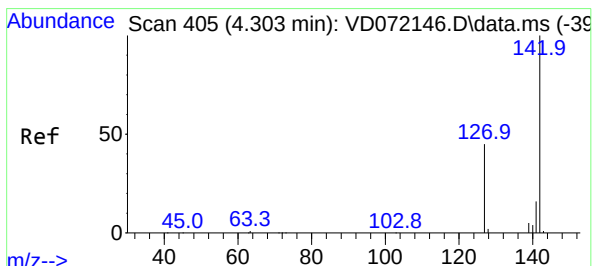
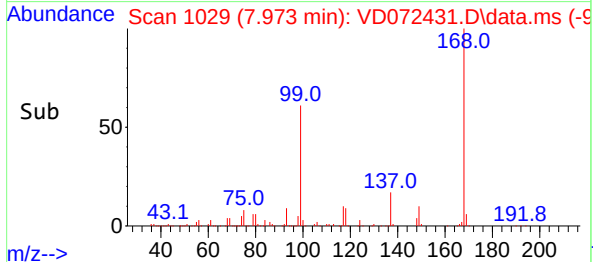
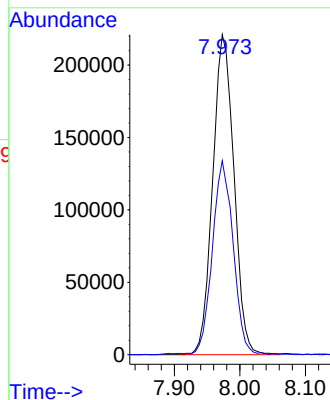
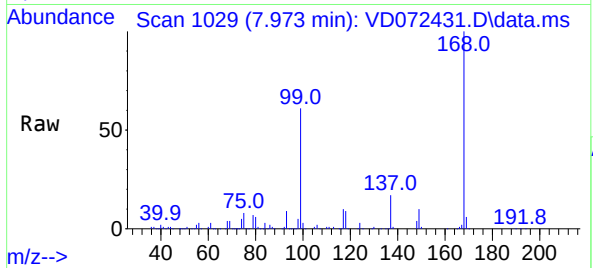




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

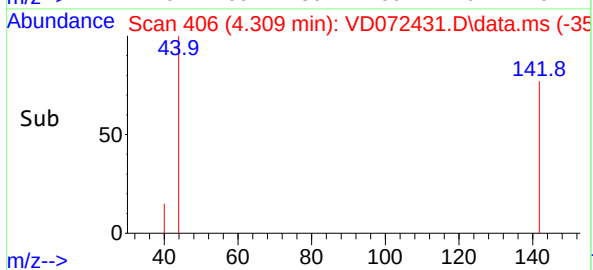
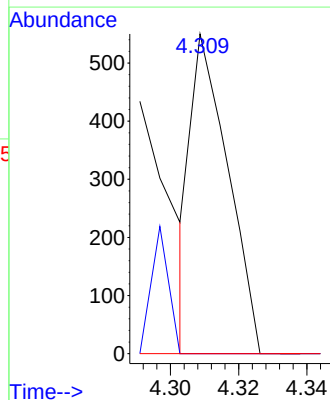
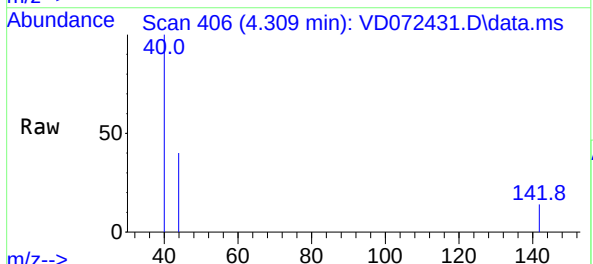
Instrument :
MSVOA_D
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VIBLK

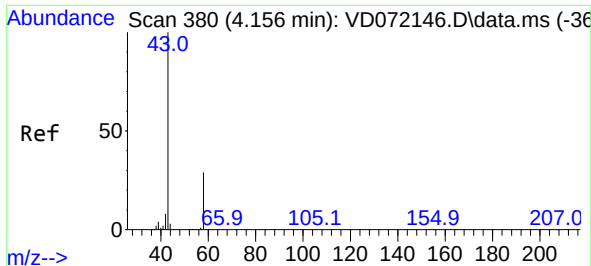
Tgt Ion:168 Resp: 496645
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#10
Methyl Iodide
Concen: 2.303 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion:142 Resp: 407
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

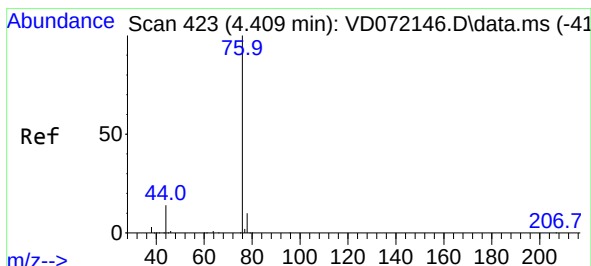
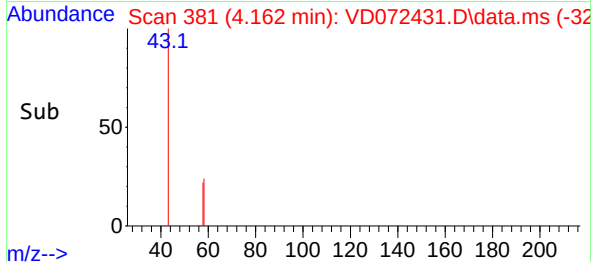
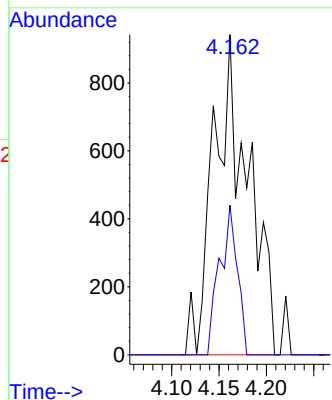
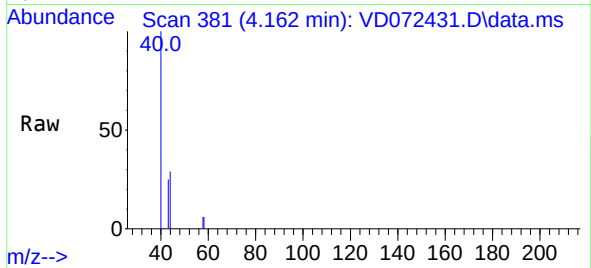




#16
Acetone
Concen: 1.987 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

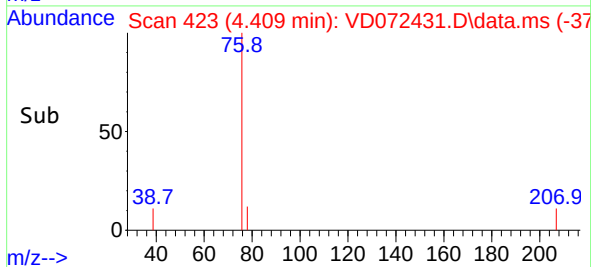
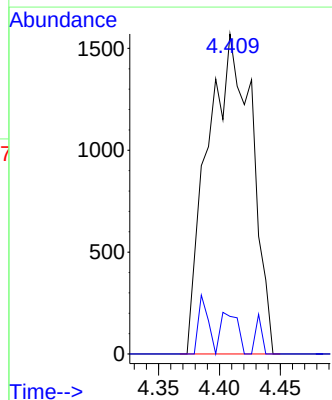
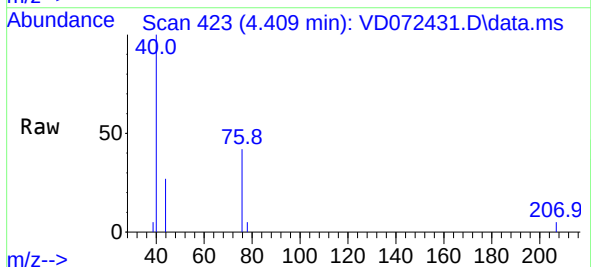
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

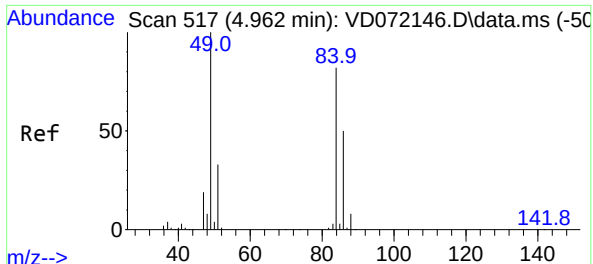
Tgt Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
58 46.7 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.864 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion: 76 Resp: 3990
Ion Ratio Lower Upper
76 100
78 11.8 7.5 11.3#



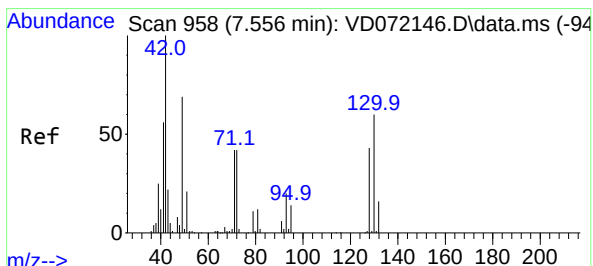
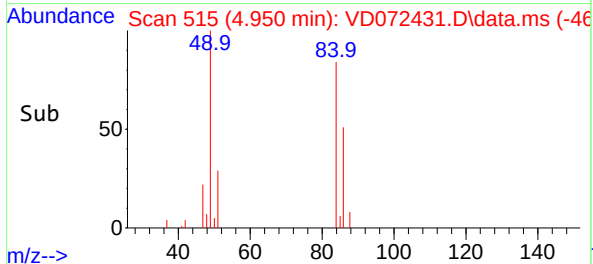
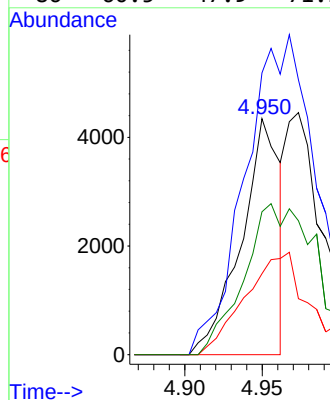
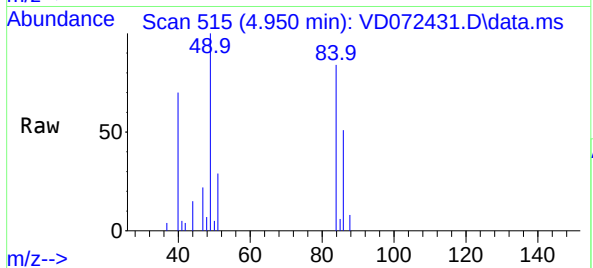


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 7499

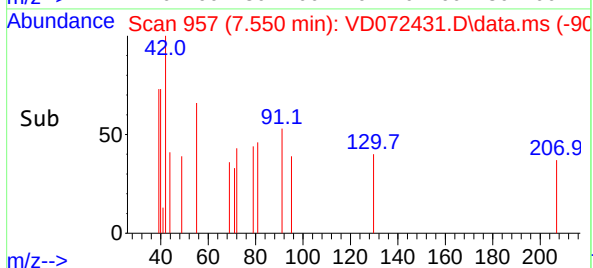
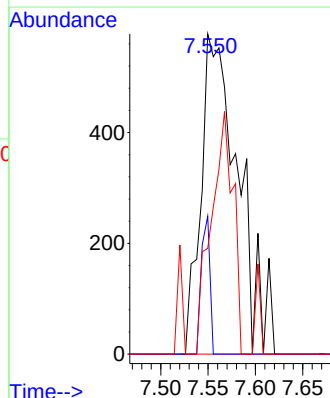
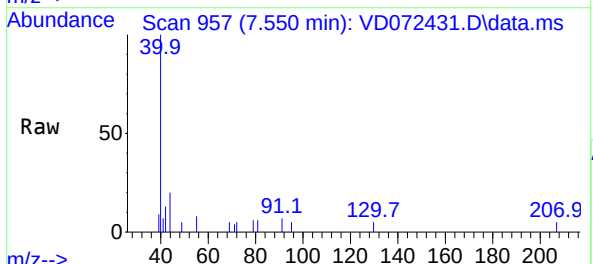
Ion	Ratio	Lower	Upper
84	100		
49	119.4	112.8	169.2
51	34.3	32.6	48.8
86	60.5	47.9	71.9

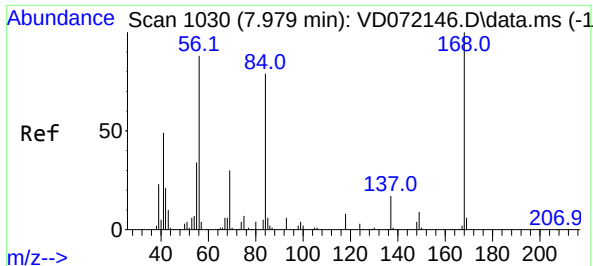


#29
Tetrahydrofuran
Concen: 1.692 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.006 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion: 42 Resp: 1594

Ion	Ratio	Lower	Upper
42	100		
72	9.9	30.7	46.1#
71	44.5	28.6	43.0#





#31

Cyclohexane

Concen: 1.775 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072431.D

Acq: 25 Mar 2022 16:13

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

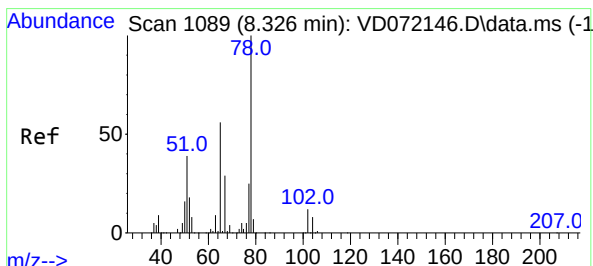
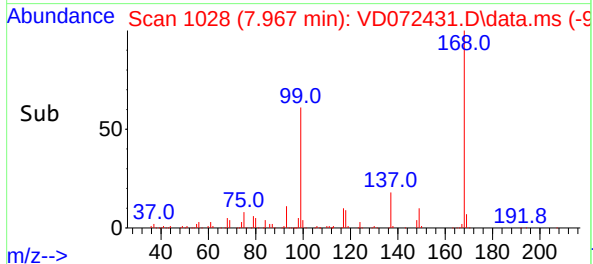
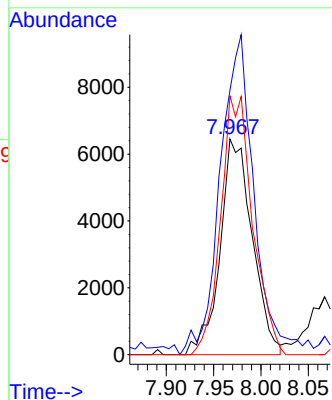
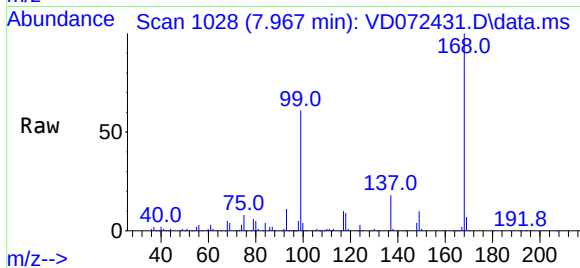
Tgt Ion: 56 Resp: 15349

Ion Ratio Lower Upper

56 100

69 122.7 25.4 38.2#

84 120.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 37.586 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072431.D

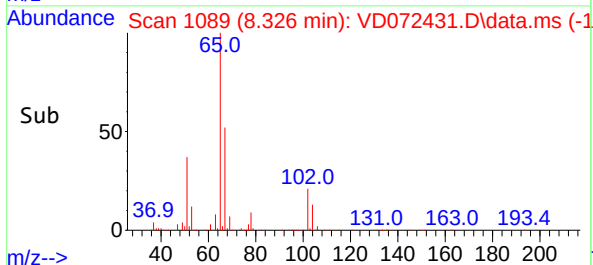
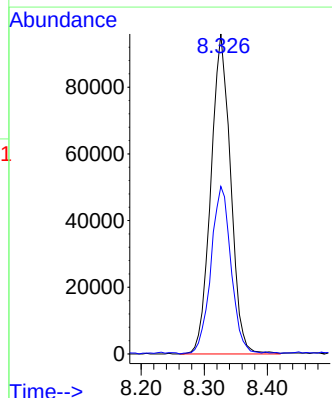
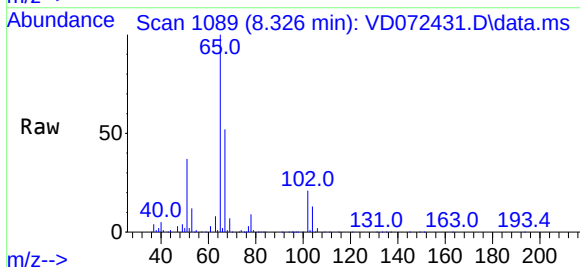
Acq: 25 Mar 2022 16:13

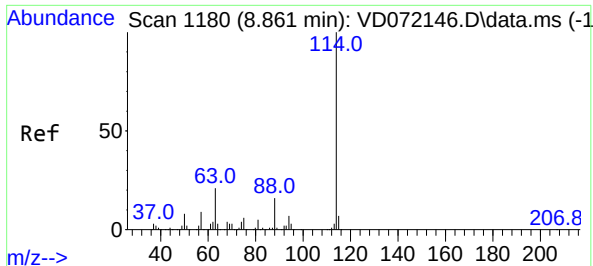
Tgt Ion: 65 Resp: 208034

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072431.D

Acq: 25 Mar 2022 16:13

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

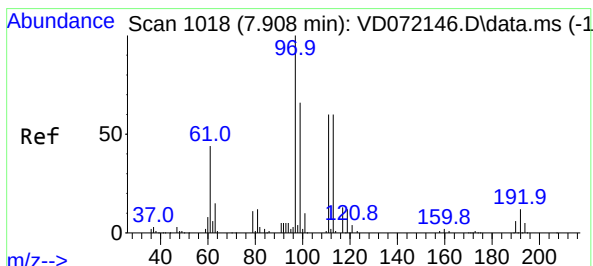
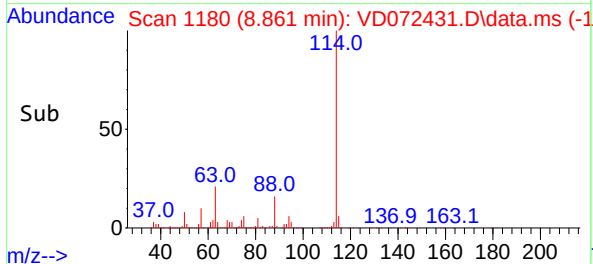
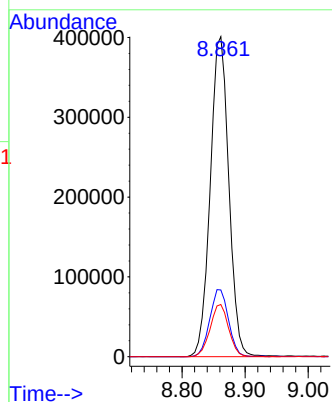
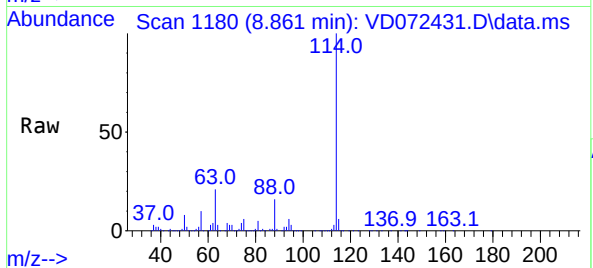
Tgt Ion:114 Resp: 818885

Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.370 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072431.D

Acq: 25 Mar 2022 16:13

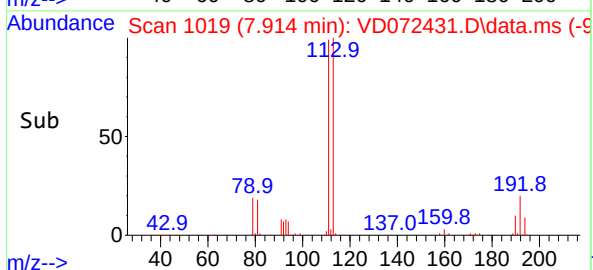
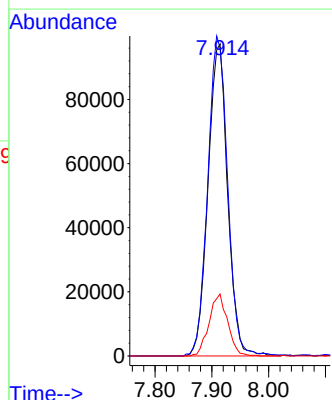
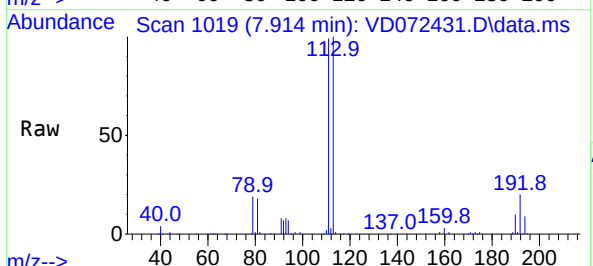
Tgt Ion:113 Resp: 232635

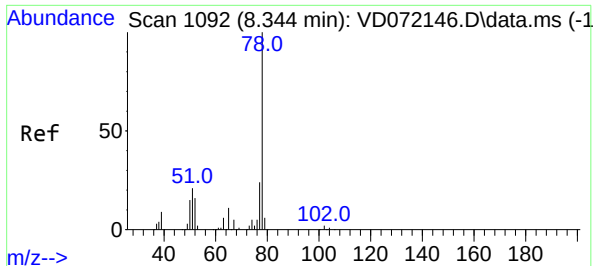
Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 18.9 14.6 21.8

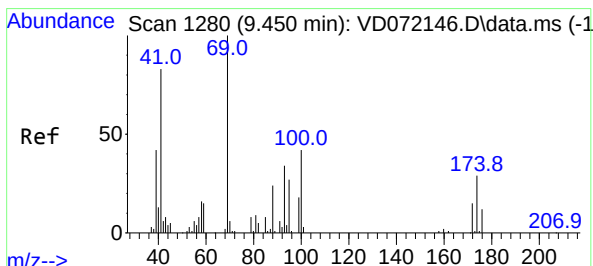
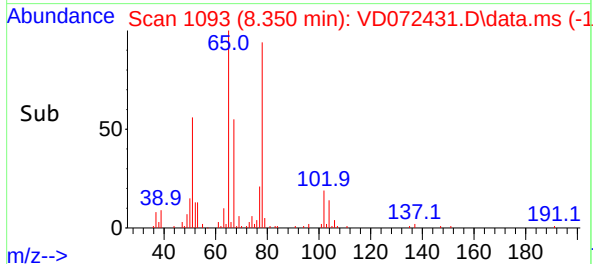
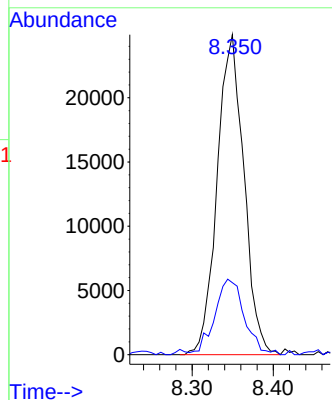
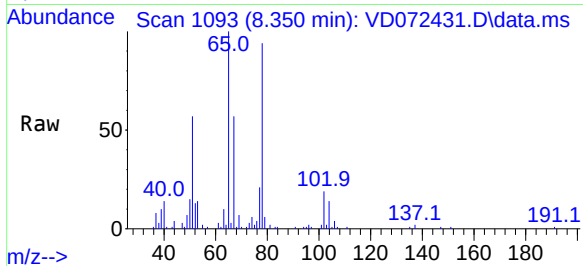




#40
Benzene
Concen: 2.472 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

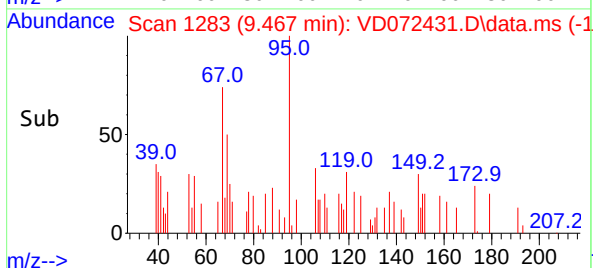
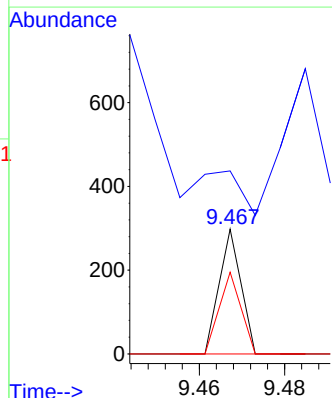
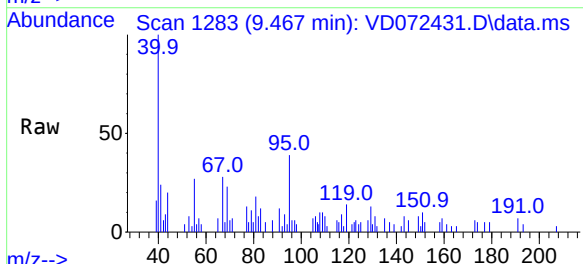
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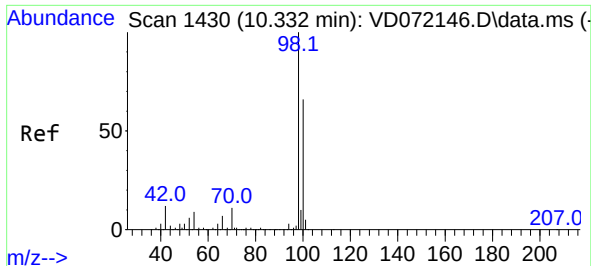
Tgt Ion: 78 Resp: 57005
Ion Ratio Lower Upper
78 100
77 22.5 19.1 28.7



#49
1,4-Dioxane
Concen: 2.814 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.018 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 197.1 31.0 46.4#
58 65.7 58.1 87.1

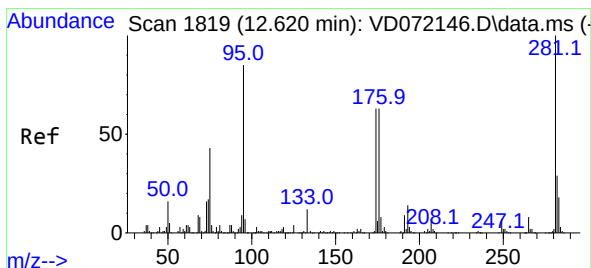
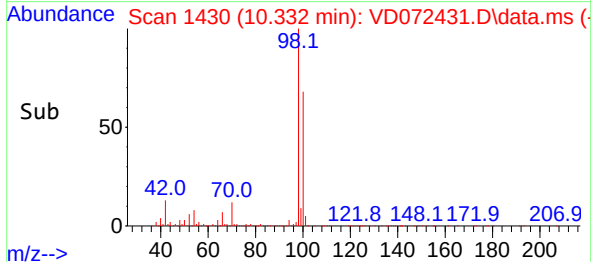
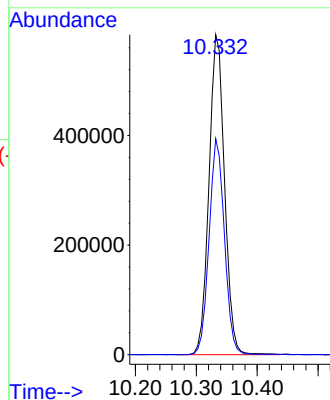
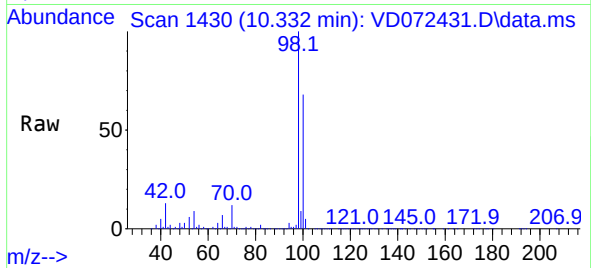




#50
Toluene-d8
Concen: 49.298 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

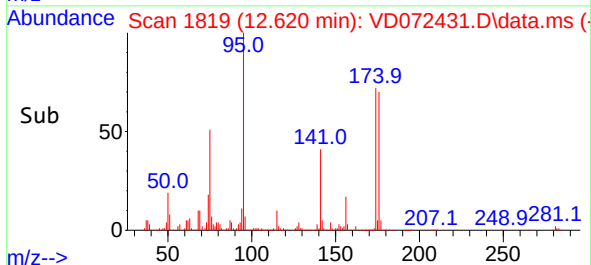
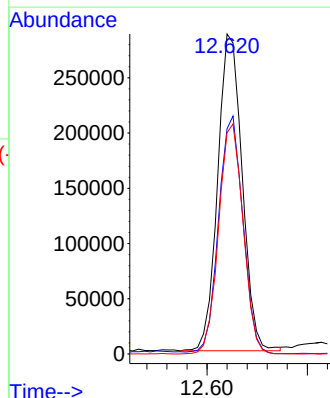
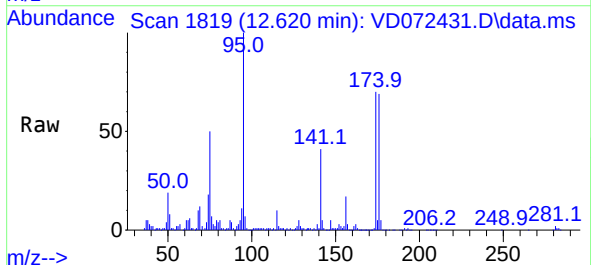
Instrument :
MSVOA_D
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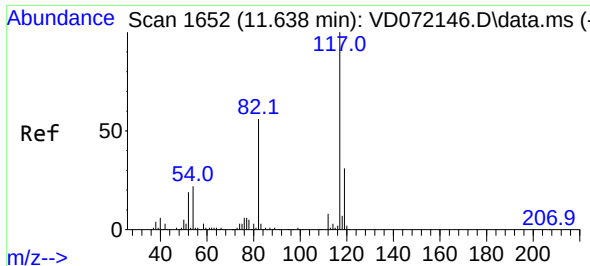
Tgt Ion: 98 Resp: 1038761
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 59.291 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion: 95 Resp: 485425
Ion Ratio Lower Upper
95 100
174 74.6 0.0 152.8
176 72.4 0.0 145.4

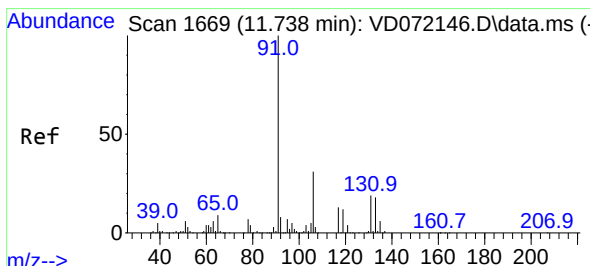
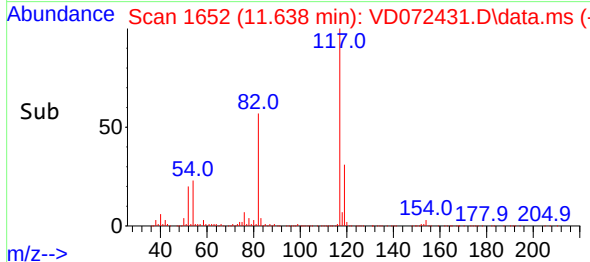
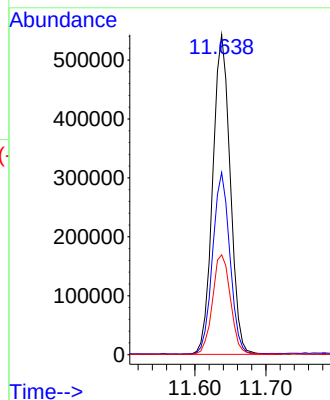
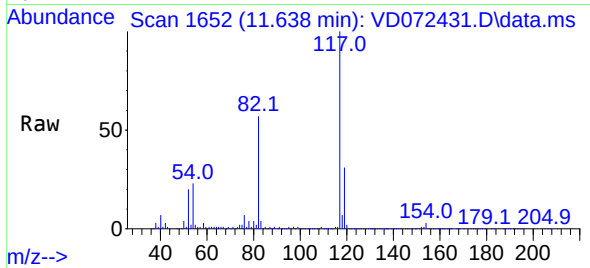




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

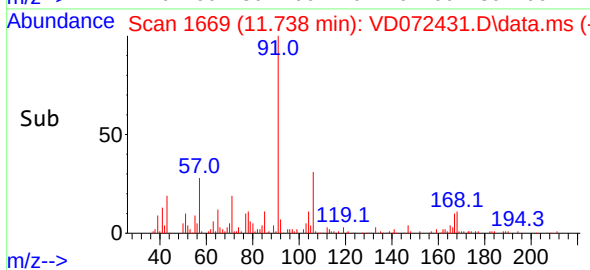
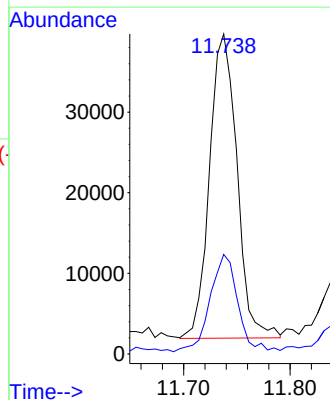
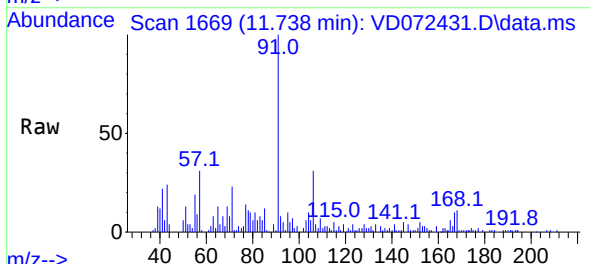
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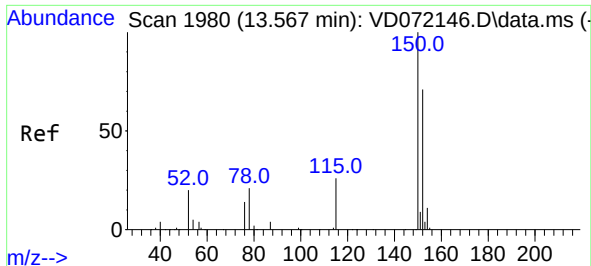
Tgt Ion:117 Resp: 925296
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 31.1 26.6 40.0



#67
Ethyl Benzene
Concen: 1.843 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion: 91 Resp: 67519
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.4

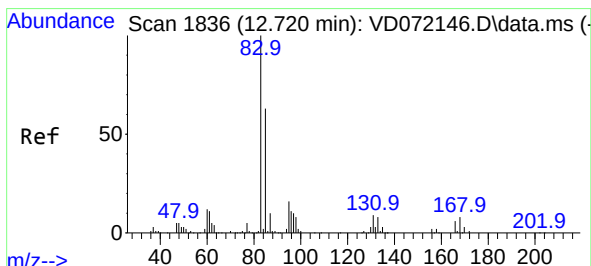
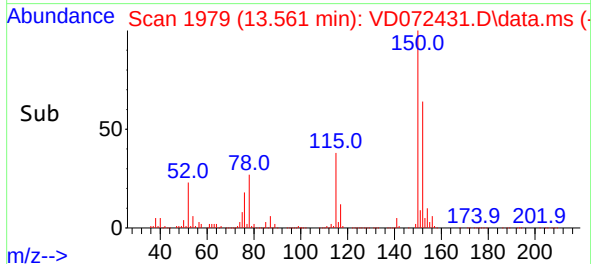
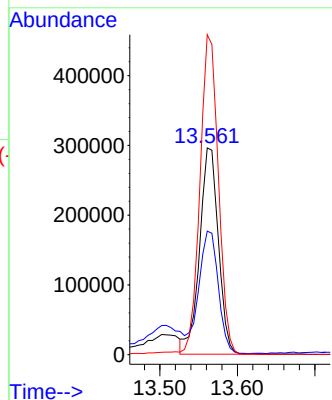
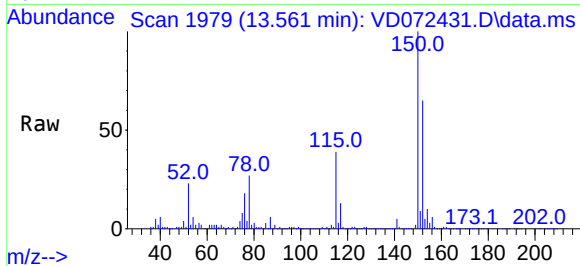




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

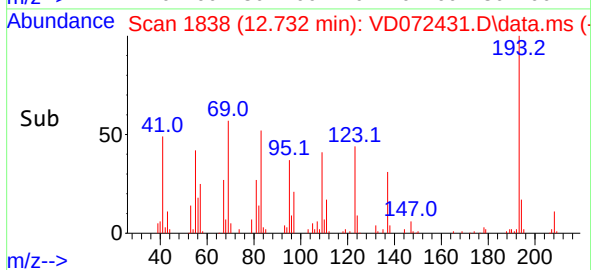
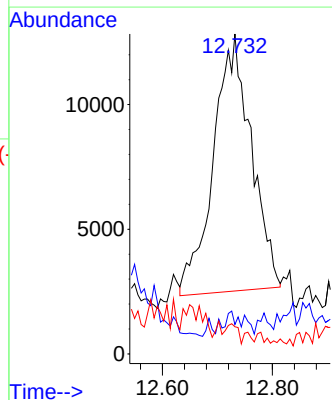
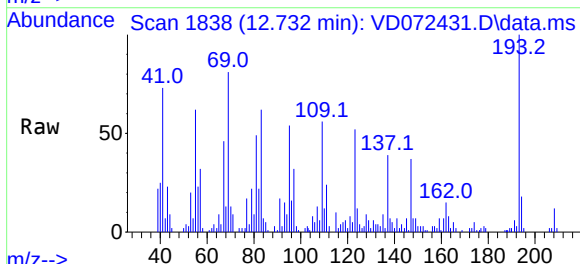
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

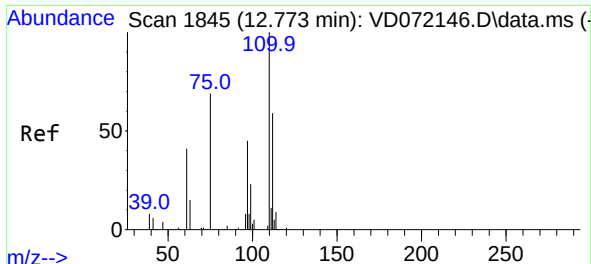
Tgt Ion:152 Resp: 499409
Ion Ratio Lower Upper
152 100
115 61.8 31.3 93.8
150 153.0 0.0 348.6



#75
1,1,2,2-Tetrachloroethane
Concen: 6.949 ug/l
RT: 12.732 min Scan# 1838
Delta R.T. 0.012 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion: 83 Resp: 49185
Ion Ratio Lower Upper
83 100
131 3.6 5.0 14.9#
85 2.1 32.6 98.0#

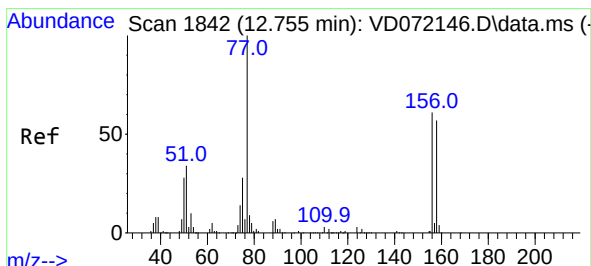
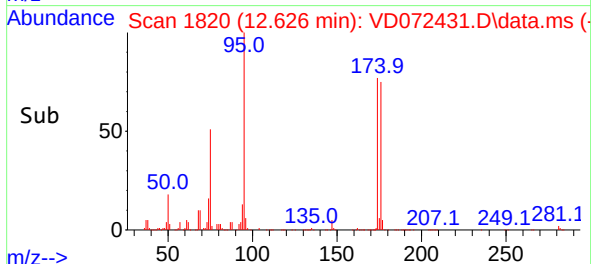
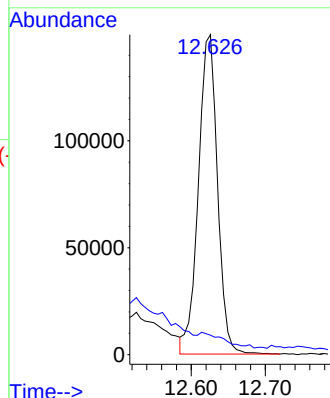
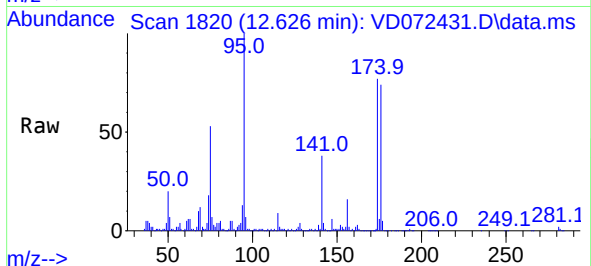




#76
1,2,3-Trichloropropane
Concen: 48.487 ug/l
RT: 12.626 min Scan# 1876
Delta R.T. -0.147 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

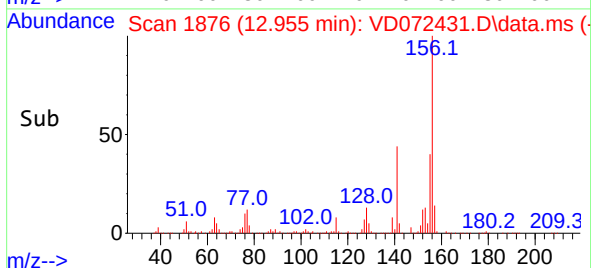
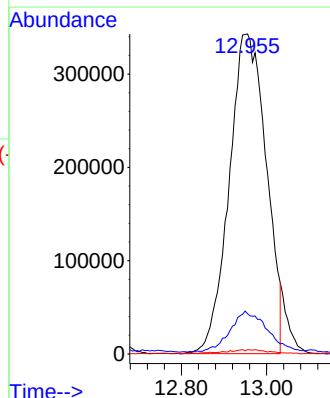
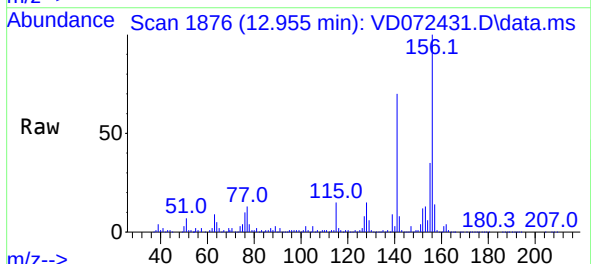
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

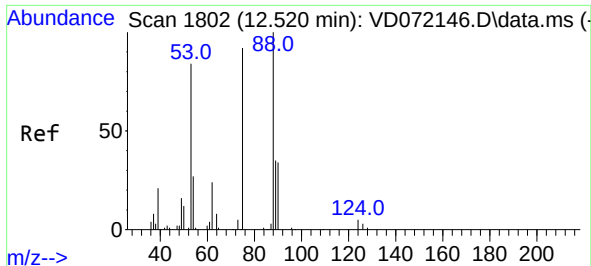
Tgt Ion: 75 Resp: 267109
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 232.306 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.200 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion:156 Resp: 2069266
Ion Ratio Lower Upper
156 100
77 12.1 102.8 308.3#
158 0.3 48.7 146.1#

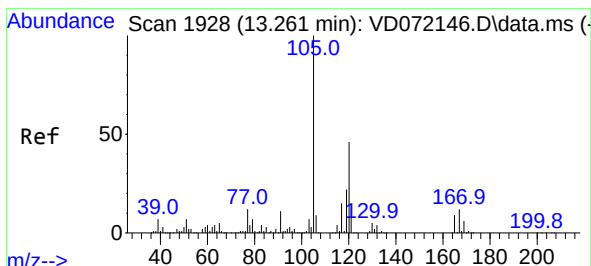
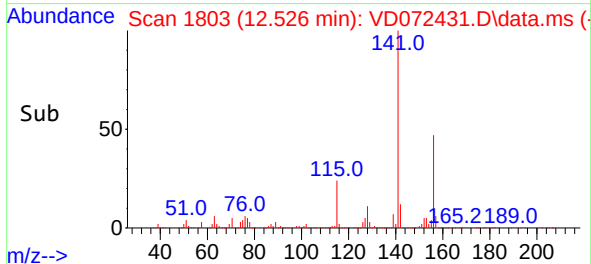
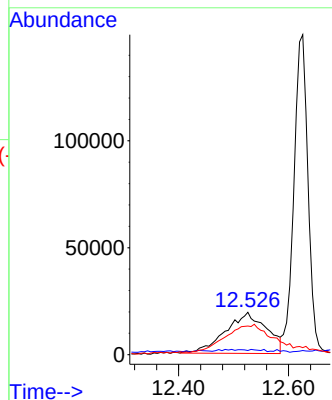
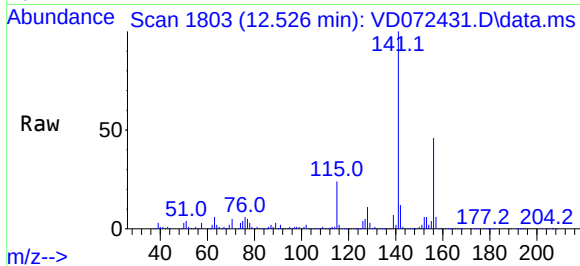




#81
trans-1,4-Dichloro-2-butene
Concen: 44.869 ug/l
RT: 12.526 min Scan# 1802
Delta R.T. 0.006 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

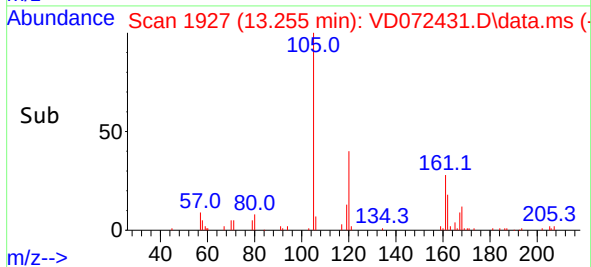
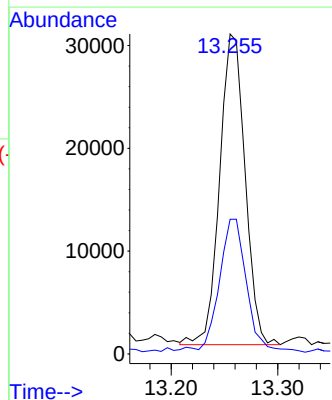
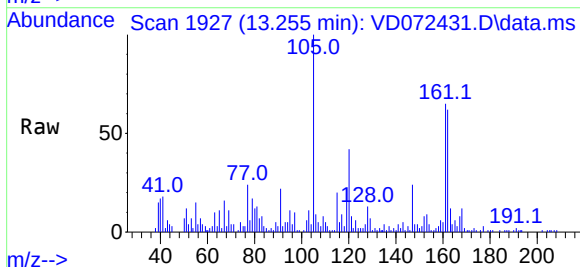
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

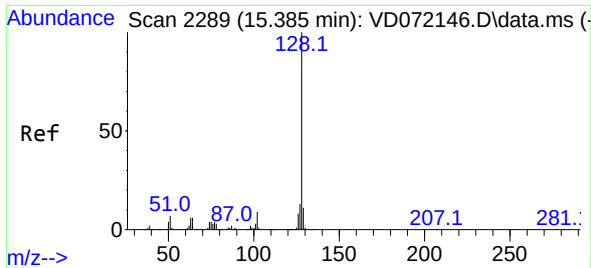
Tgt Ion: 75 Resp: 99625
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 76.8 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.493 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072431.D
Acq: 25 Mar 2022 16:13

Tgt Ion:105 Resp: 50025
Ion Ratio Lower Upper
105 100
120 46.5 22.3 66.8





#95

Naphthalene

Concen: 22.990 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD072431.D

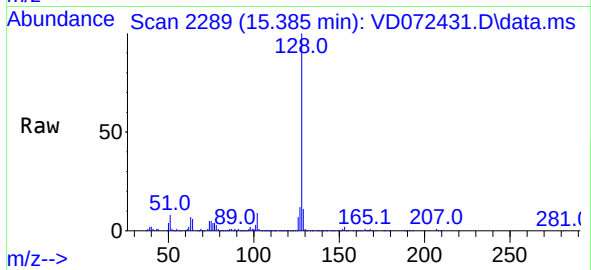
Acq: 25 Mar 2022 16:13

Instrument :

MSVOA_D

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 427044

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.8 8.4 12.6

