

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
 Data File : VD073828.D
 Acq On : 11 Jul 2022 17:41
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jul 12 07:00:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 06:59:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	101757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	226877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	208704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	89774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	84437	61.951	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.900%	
35) Dibromofluoromethane	7.909	113	80402	53.570	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.140%	
50) Toluene-d8	10.332	98	286348	54.714	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 109.420%	
62) 4-Bromofluorobenzene	12.620	95	101417	45.735	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 91.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	28385	58.242	ug/l	97
3) Chloromethane	2.209	50	1540	Below Cal	#	81
4) Vinyl Chloride	2.344	62	1720	Below Cal	#	78
5) Bromomethane	2.768	94	2079	Below Cal		83
6) Chloroethane	2.909	64	747	Below Cal		94
7) Trichlorofluoromethane	3.262	101	3028	Below Cal	#	74
9) 1,1,2-Trichlorotrifluo...	4.079	101	2424	2.717	ug/l #	76
10) Methyl Iodide	4.291	142	1152	1.990	ug/l #	81
11) Tert butyl alcohol	5.173	59	1900	6.313	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	1350	Below Cal		89
14) Allyl chloride	4.697	41	1875	1.421	ug/l	96
15) Acrylonitrile	5.409	53	474	1.814	ug/l #	83
16) Acetone	4.156	43	1313	5.623	ug/l	95
17) Carbon Disulfide	4.397	76	3334	Below Cal	#	71
18) Methyl Acetate	4.720	43	351	Below Cal	#	55
20) Methylene Chloride	4.956	84	13436	5.968	ug/l	90
21) trans-1,2-Dichloroethene	5.462	96	1091	Below Cal	#	71
23) Vinyl Acetate	6.303	43	5550	3.000	ug/l #	87
24) 1,1-Dichloroethane	6.256	63	2729	1.387	ug/l #	81
25) 2-Butanone	7.214	43	1110	3.160	ug/l	90
26) 2,2-Dichloropropane	7.203	77	3265	1.743	ug/l #	77
27) cis-1,2-Dichloroethene	7.191	96	1371	1.186	ug/l	84
29) Tetrahydrofuran	7.556	42	975	4.660	ug/l #	52
30) Chloroform	7.703	83	3020	1.366	ug/l	84
31) Cyclohexane	7.973	56	5625	Below Cal	#	62
32) 1,1,1-Trichloroethane	7.891	97	2643	1.429	ug/l #	40
36) 1,1-Dichloropropene	8.097	75	2394	1.576	ug/l #	78
38) Carbon Tetrachloride	8.079	117	2642	1.523	ug/l	91
39) Methylcyclohexane	9.344	83	2802	Below Cal		90
40) Benzene	8.338	78	5156	1.140	ug/l #	85
49) 1,4-Dioxane	9.450	88	139	14.937	ug/l #	63
51) 4-Methyl-2-Pentanone	10.220	43	2261	2.321	ug/l	92
52) Toluene	10.391	92	3336	1.099	ug/l	88
58) 2-Chloroethyl Vinyl ether	9.926	63	579	1.097	ug/l #	48
59) 2-Hexanone	10.967	43	1543	2.326	ug/l	96
64) Tetrachloroethene	10.873	164	1471	Below Cal	#	71

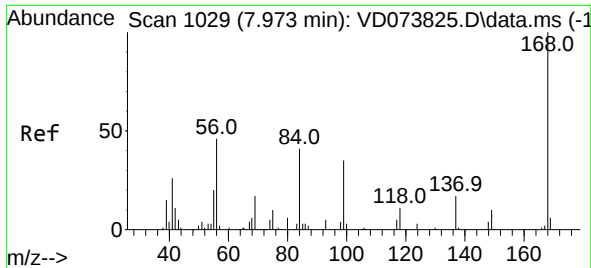
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 06:59:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) Chlorobenzene	11.655	112	4041	1.171	ug/l	88
67) Ethyl Benzene	11.732	91	7697	1.196	ug/l	96
68) m/p-Xylenes	11.844	106	5821	2.466	ug/l	89
69) o-Xylene	12.167	106	2402	1.026	ug/l	94
73) Isopropylbenzene	12.467	105	8798	1.434	ug/l	89
76) 1,2,3-Trichloropropane	12.620	75	58267	59.995	ug/l #	1
78) n-propylbenzene	12.802	91	10412	1.344	ug/l	97
79) 2-Chlorotoluene	12.891	91	4747	1.065	ug/l	94
80) 1,3,5-Trimethylbenzene	12.949	105	5764	1.127	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.620	75	58267	157.673	ug/l #	10
82) 4-Chlorotoluene	12.991	91	5151	1.105	ug/l	92
83) tert-Butylbenzene	13.208	119	6485	1.439	ug/l	97
85) sec-Butylbenzene	13.385	105	10733	1.532	ug/l	98
86) p-Isopropyltoluene	13.502	119	7364	1.305	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	2768	1.002	ug/l	97
88) 1,4-Dichlorobenzene	13.502	146	2768	1.023	ug/l	96
89) n-Butylbenzene	13.826	91	8230	1.453	ug/l	98
90) Hexachloroethane	14.091	117	1339	1.226	ug/l	97
93) 1,2,4-Trichlorobenzene	15.132	180	1604	1.157	ug/l	90
94) Hexachlorobutadiene	15.232	225	1123	1.702	ug/l	93
95) Naphthalene	15.379	128	3979	1.314	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.567	180	1373	1.139	ug/l	89

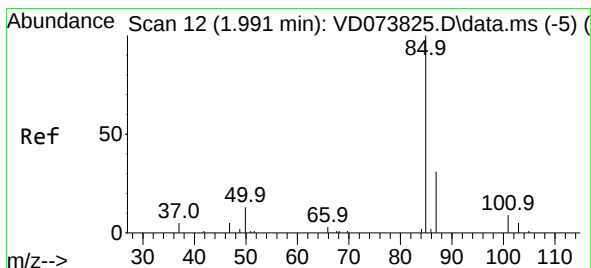
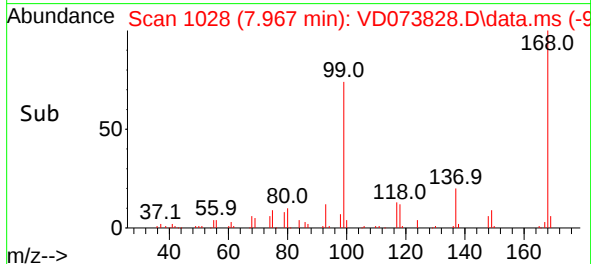
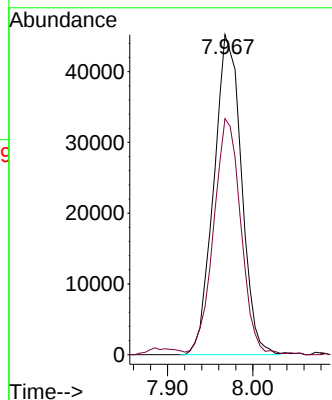
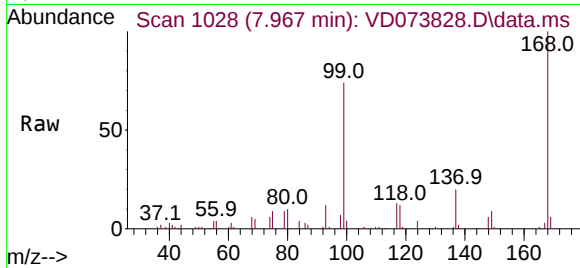
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

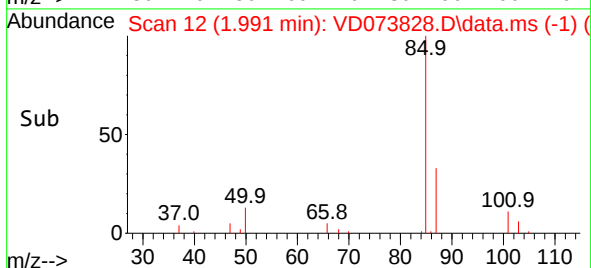
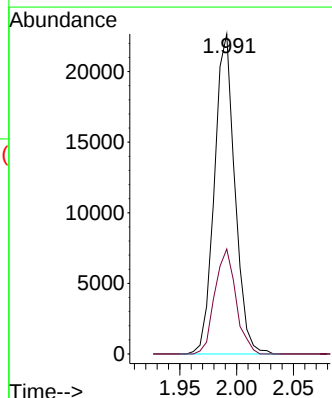
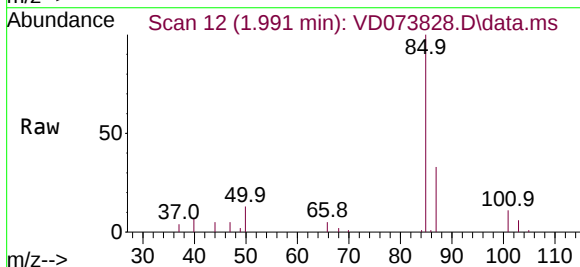
Instrument :
MSVOA_D
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VIBLK

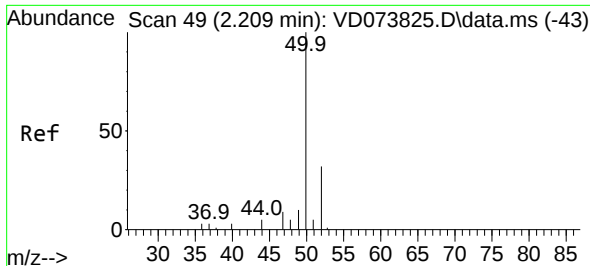
Tgt Ion:168 Resp: 101757
Ion Ratio Lower Upper
168 100
99 73.3 53.8 80.6



#2
Dichlorodifluoromethane
Concen: 58.242 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 85 Resp: 28385
Ion Ratio Lower Upper
85 100
87 32.8 15.6 46.7

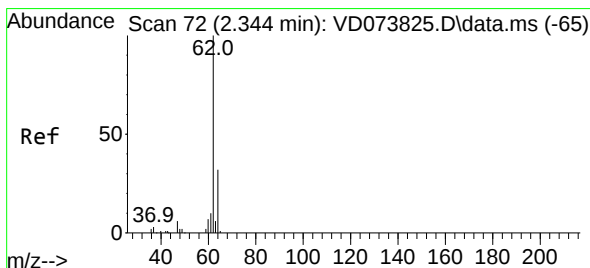
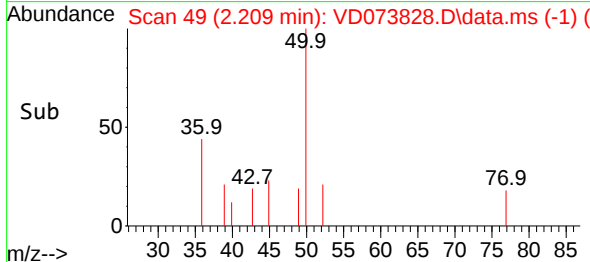
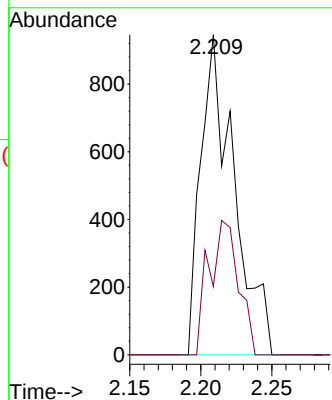
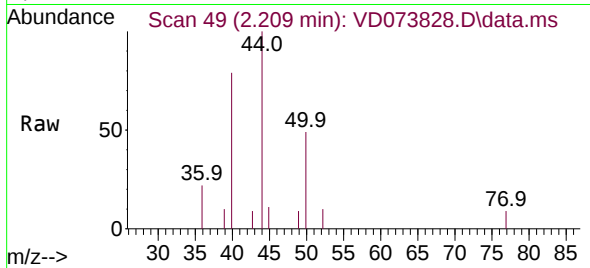




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

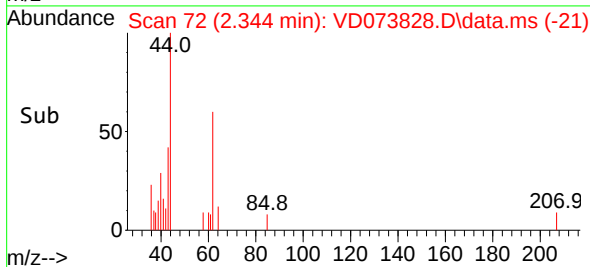
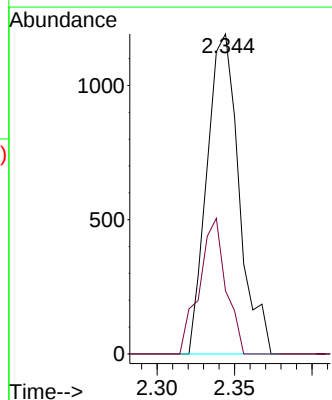
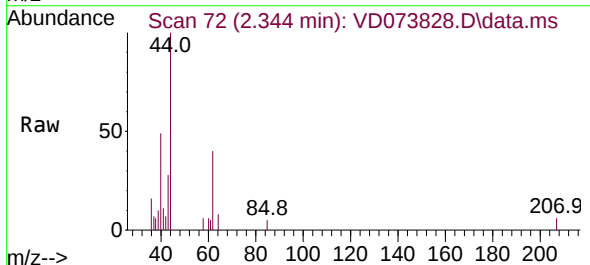
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

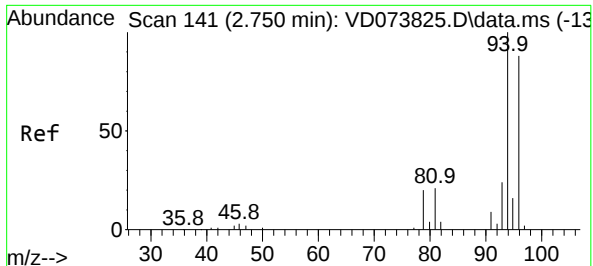
Tgt Ion: 50 Resp: 1540
Ion Ratio Lower Upper
50 100
52 21.4 25.5 38.3#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.344 min Scan# 72
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 62 Resp: 1720
Ion Ratio Lower Upper
62 100
64 19.7 25.4 38.0#

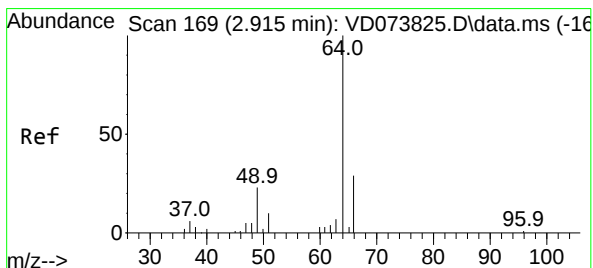
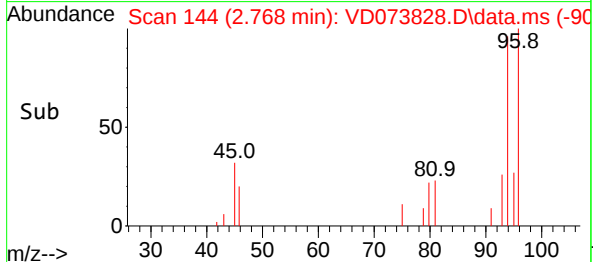
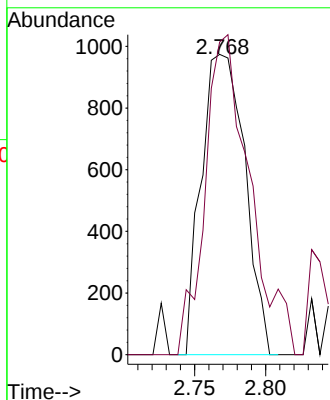
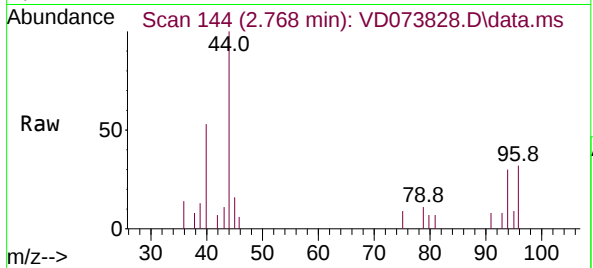




#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 141
Delta R.T. 0.018 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

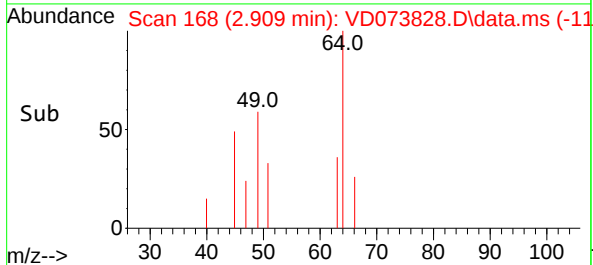
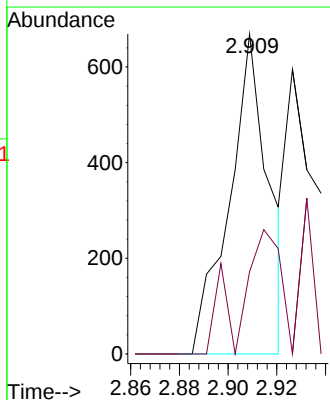
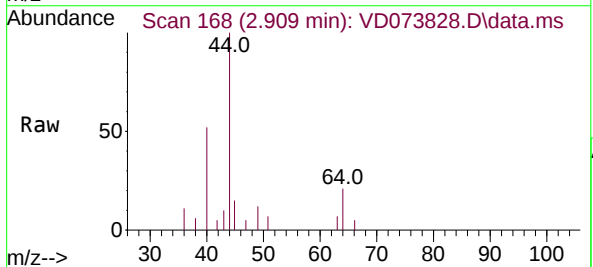
Instrument :
MSVOA_D
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VIBLK

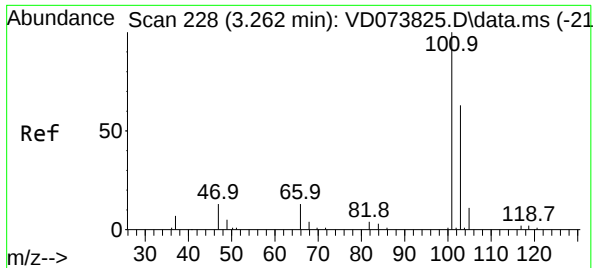
Tgt Ion: 94 Resp: 2079
Ion Ratio Lower Upper
94 100
96 104.1 70.3 105.5



#6
Chloroethane
Concen: Below Cal
RT: 2.909 min Scan# 168
Delta R.T. -0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 64 Resp: 747
Ion Ratio Lower Upper
64 100
66 25.7 23.0 34.6

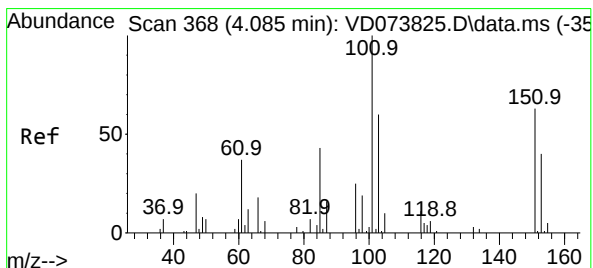
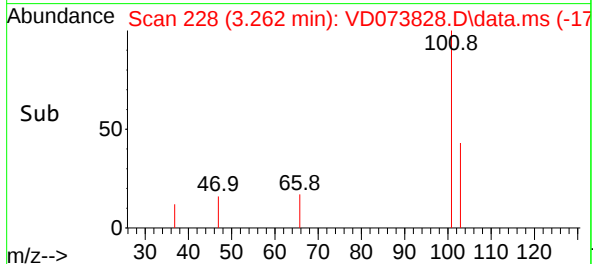
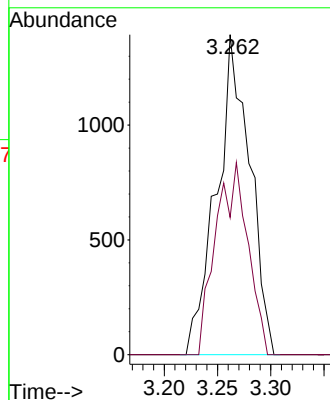
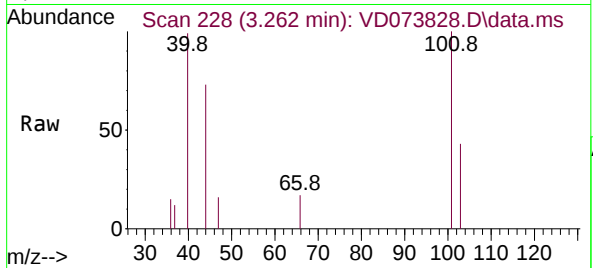




#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.262 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD073828.D
 Acq: 11 Jul 2022 17:41

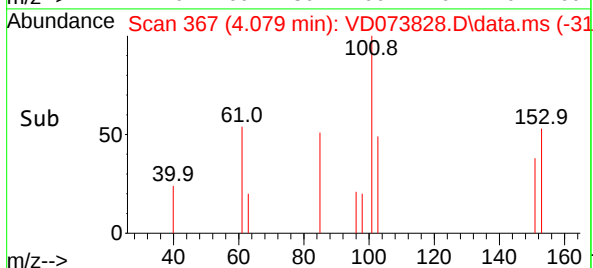
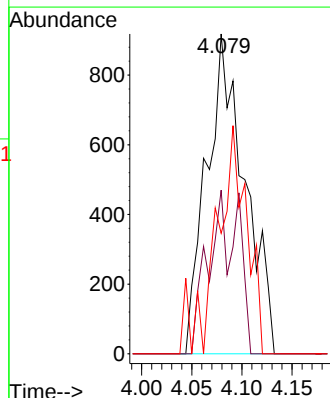
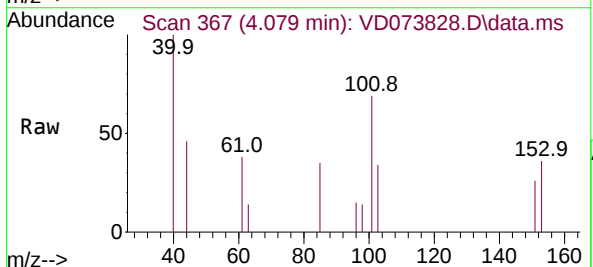
Instrument :
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 ClientSampleId :
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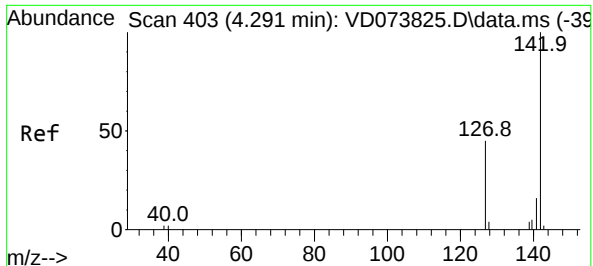
Tgt Ion:101 Resp: 3028
 Ion Ratio Lower Upper
 101 100
 103 42.9 50.3 75.5#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.717 ug/l
 RT: 4.079 min Scan# 367
 Delta R.T. -0.006 min
 Lab File: VD073828.D
 Acq: 11 Jul 2022 17:41

Tgt Ion:101 Resp: 2424
 Ion Ratio Lower Upper
 101 100
 85 25.0 38.6 57.8#
 151 53.8 53.6 80.4

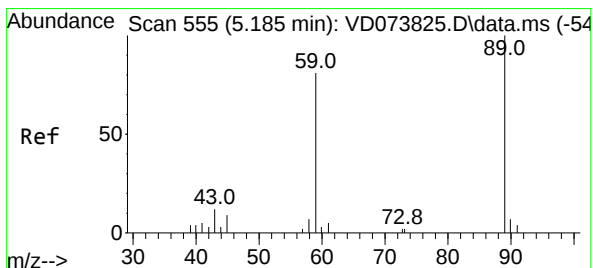
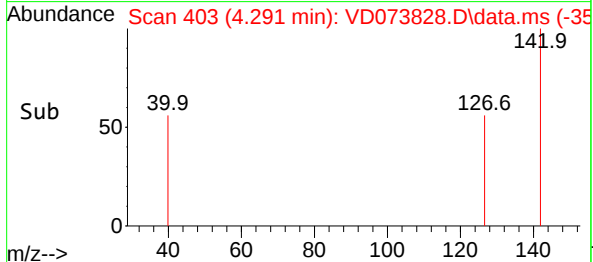
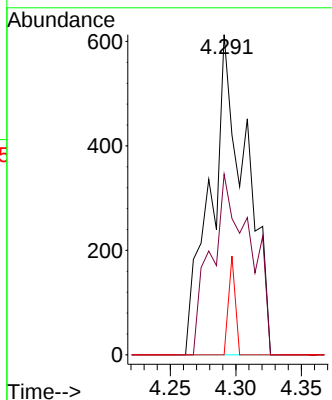
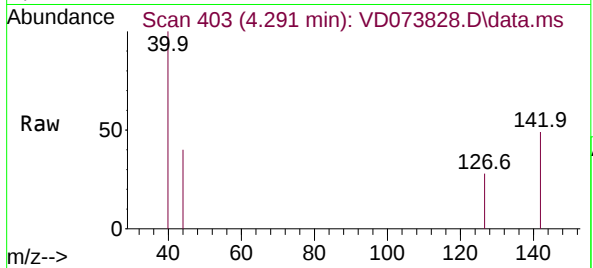




#10
Methyl Iodide
Concen: 1.990 ug/l
RT: 4.291 min Scan# 403
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

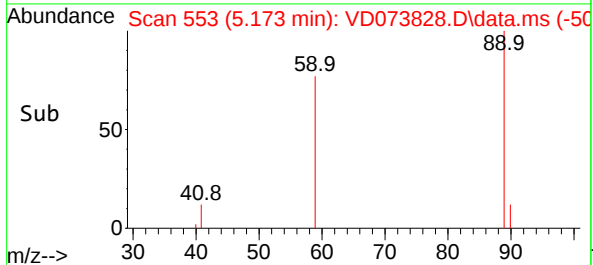
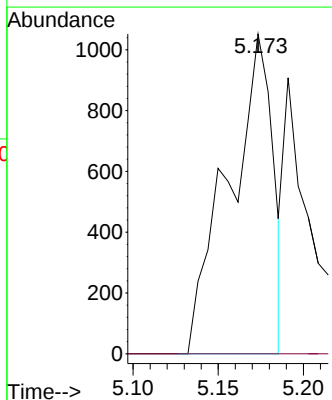
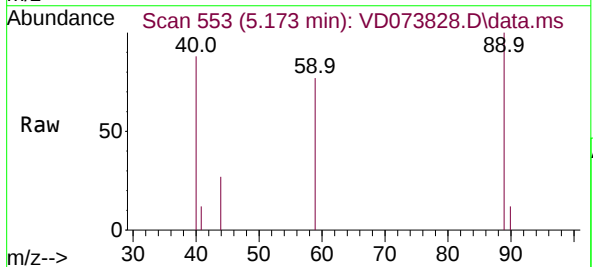
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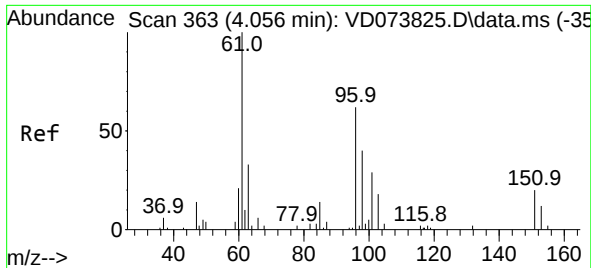
Tgt Ion:142 Resp: 1152
Ion Ratio Lower Upper
142 100
127 62.0 39.8 59.6#
141 5.8 11.9 17.9#



#11
Tert butyl alcohol
Concen: 6.313 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.012 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 59 Resp: 1900
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

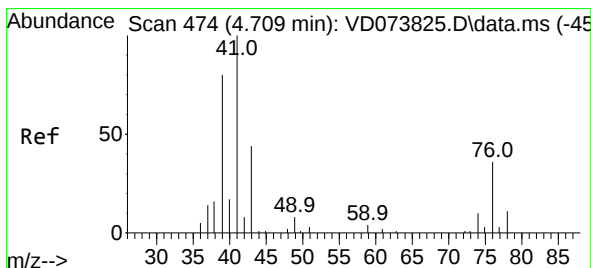
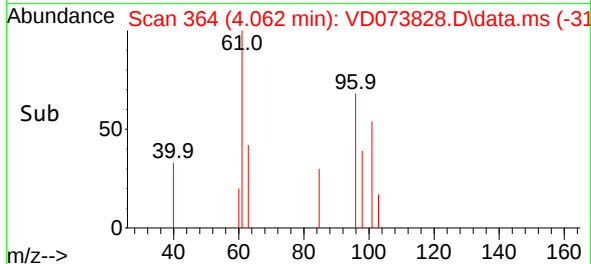
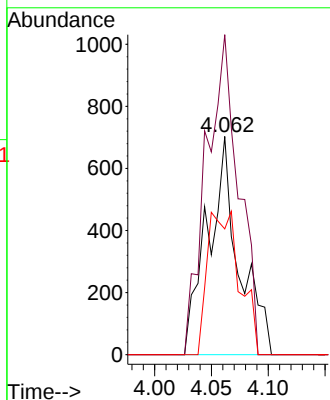
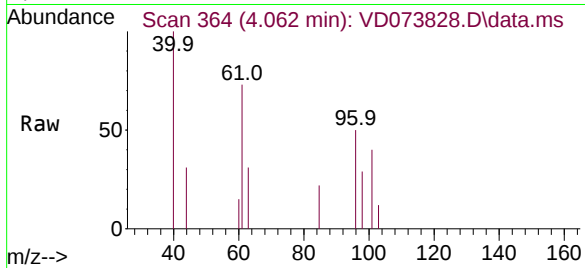




#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.062 min Scan# 30
Delta R.T. 0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

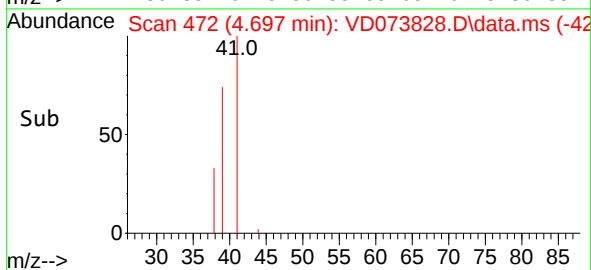
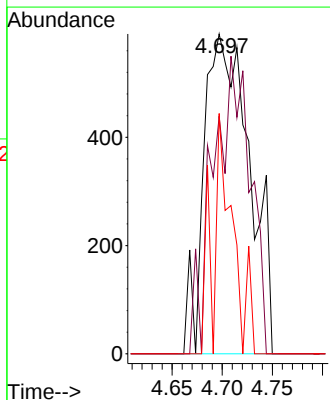
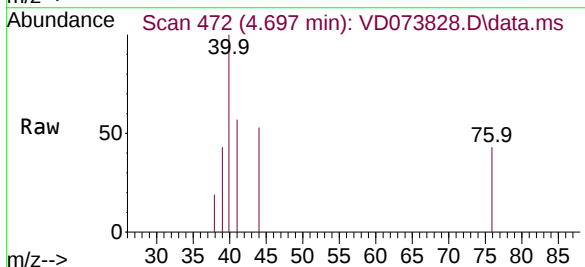
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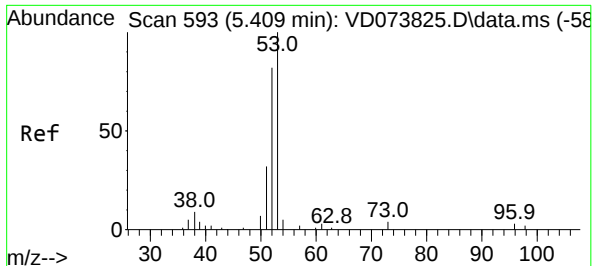
Tgt Ion: 96 Resp: 1350
Ion Ratio Lower Upper
96 100
61 146.7 130.1 195.1
98 57.6 52.1 78.1



#14
Allyl chloride
Concen: 1.421 ug/l
RT: 4.697 min Scan# 472
Delta R.T. -0.012 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 41 Resp: 1875
Ion Ratio Lower Upper
41 100
39 75.8 62.5 93.7
76 32.6 28.6 43.0

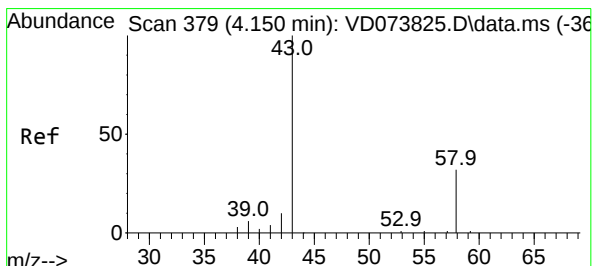
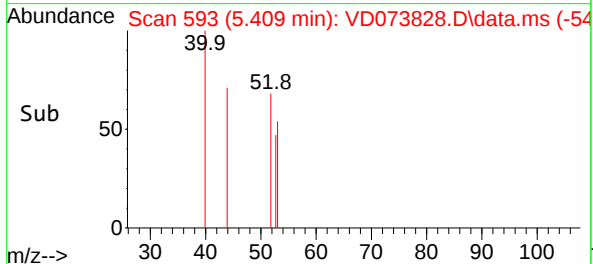
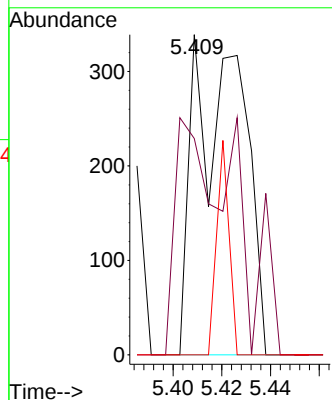
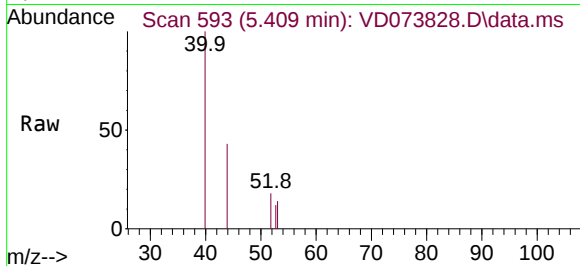




#15
Acrylonitrile
Concen: 1.814 ug/l
RT: 5.409 min Scan# 593
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

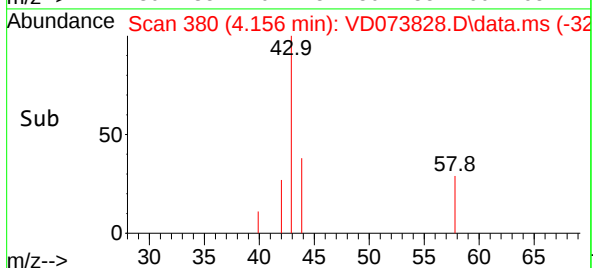
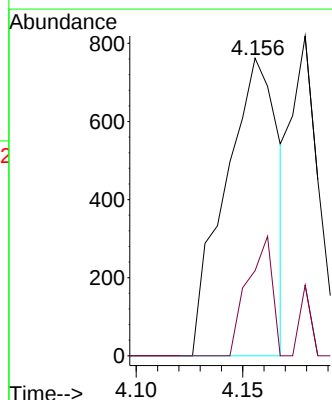
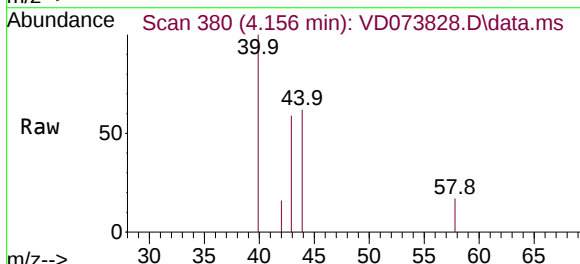
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

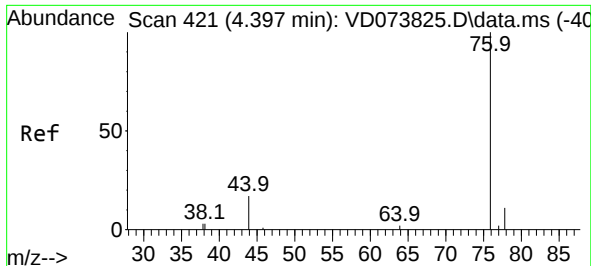
Tgt Ion: 53 Resp: 474
Ion Ratio Lower Upper
53 100
52 90.3 66.1 99.1
51 16.9 30.6 45.8#



#16
Acetone
Concen: 5.623 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
58 28.6 25.2 37.8

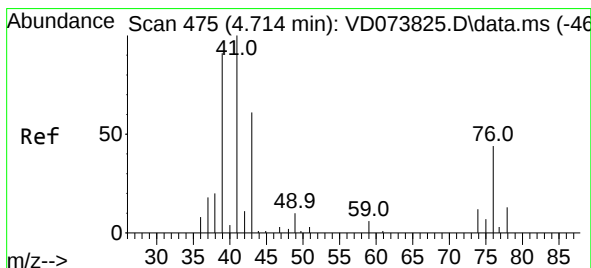
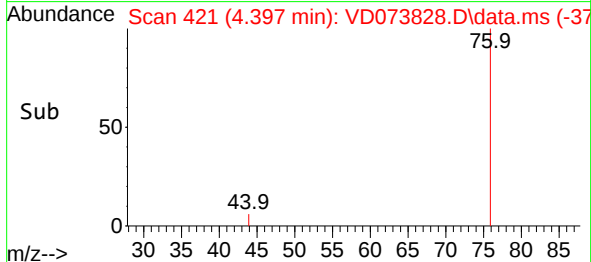
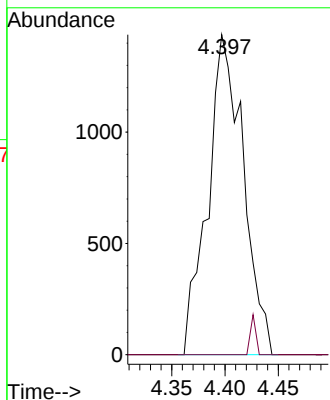
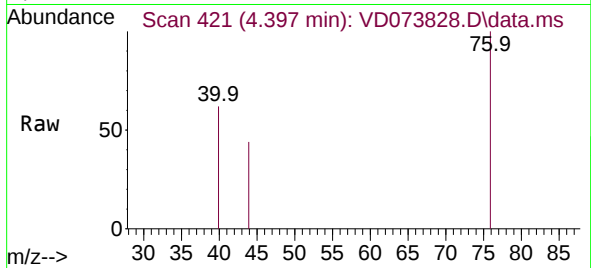




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.397 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

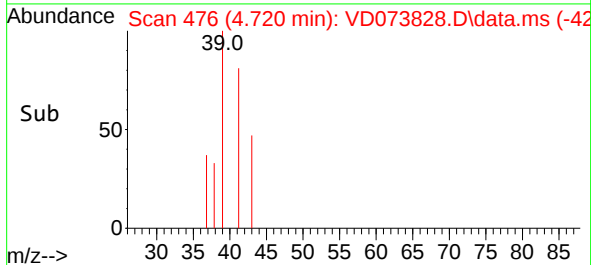
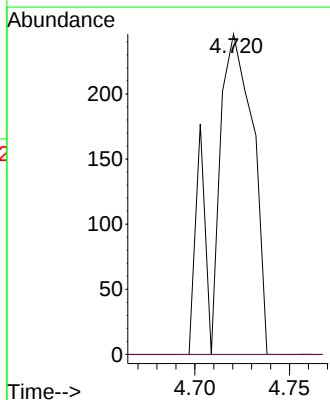
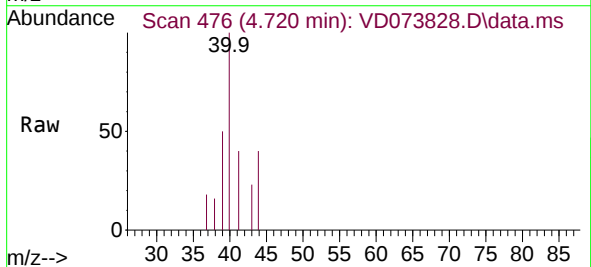
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

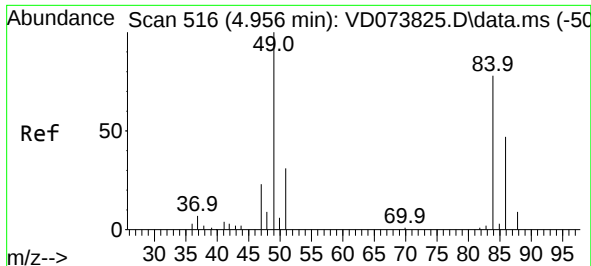
Tgt Ion: 76 Resp: 3334
Ion Ratio Lower Upper
76 100
78 0.0 8.7 13.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 43 Resp: 351
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



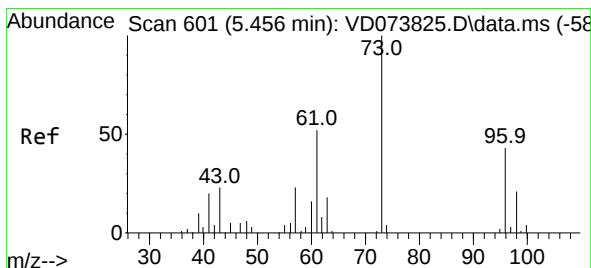
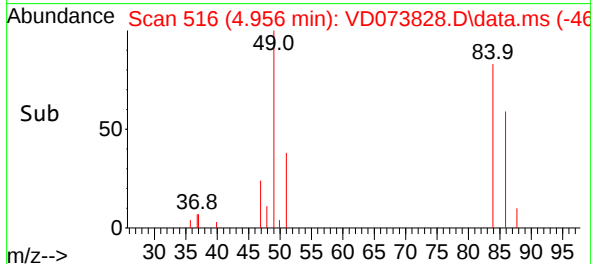
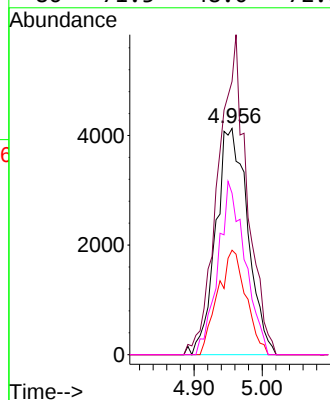
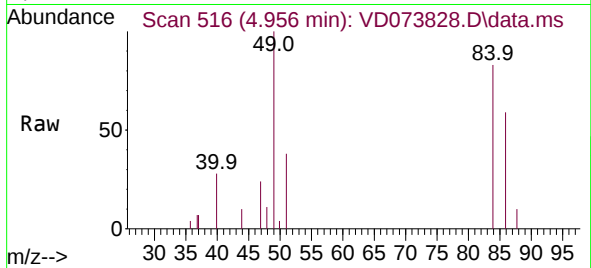


#20
Methylene Chloride
Concen: 5.968 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 13436

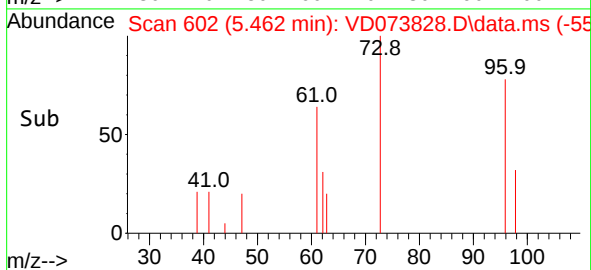
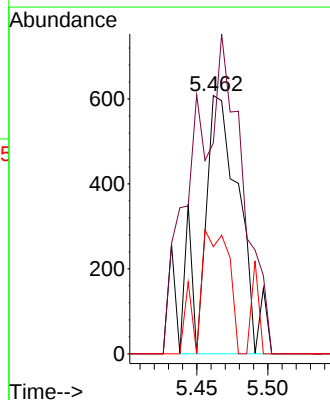
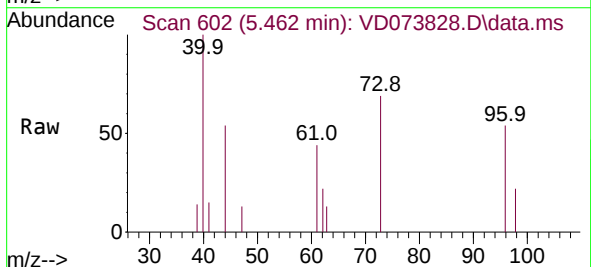
Ion	Ratio	Lower	Upper
84	100		
49	120.7	102.5	153.7
51	46.1	31.4	47.0
86	71.3	48.0	72.0

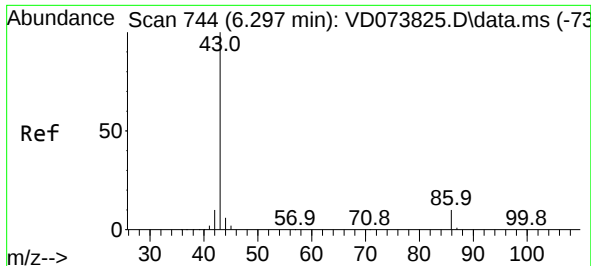


#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.462 min Scan# 602
Delta R.T. 0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 96 Resp: 1091

Ion	Ratio	Lower	Upper
96	100		
61	81.6	97.0	145.6#
98	41.4	39.5	59.3

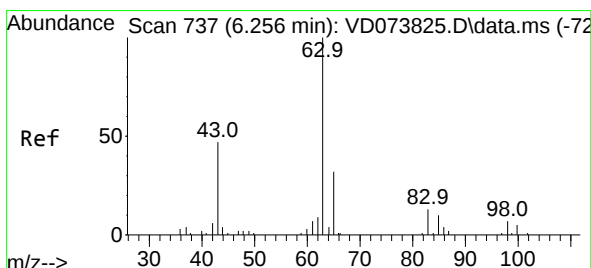
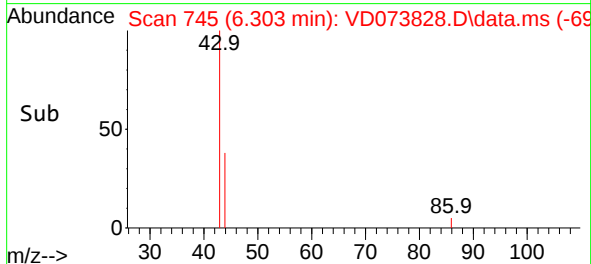
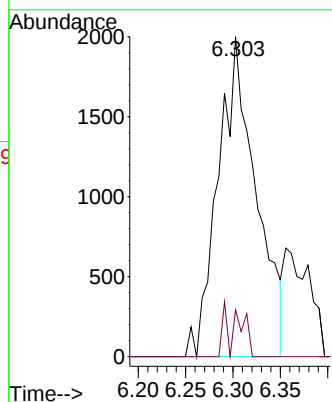
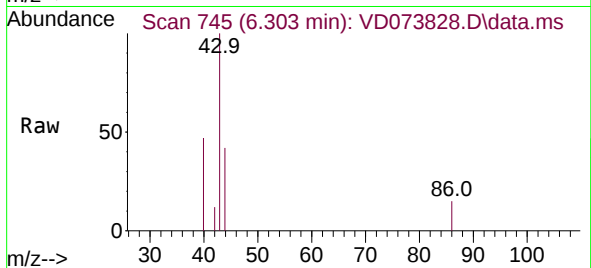




#23
 Vinyl Acetate
 Concen: 3.000 ug/l
 RT: 6.303 min Scan# 744
 Delta R.T. 0.006 min
 Lab File: VD073828.D
 Acq: 11 Jul 2022 17:41

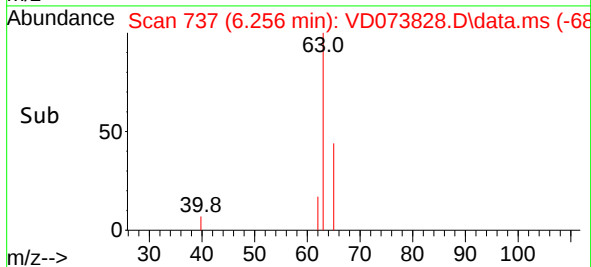
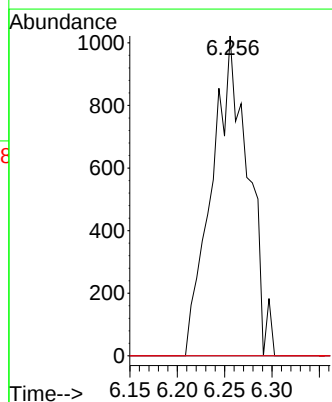
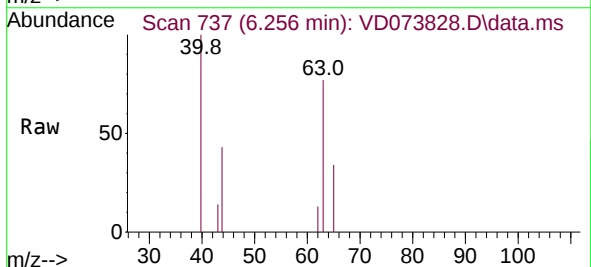
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

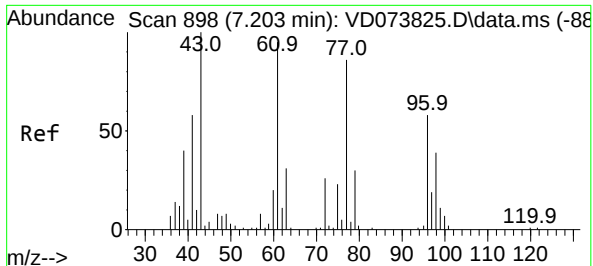
Tgt Ion: 43 Resp: 5550
 Ion Ratio Lower Upper
 43 100
 86 14.6 7.8 11.8#



#24
 1,1-Dichloroethane
 Concen: 1.387 ug/l
 RT: 6.256 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: VD073828.D
 Acq: 11 Jul 2022 17:41

Tgt Ion: 63 Resp: 2729
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.7 11.1#
 100 0.0 2.5 7.6#





#25

2-Butanone

Concen: 3.160 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.012 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

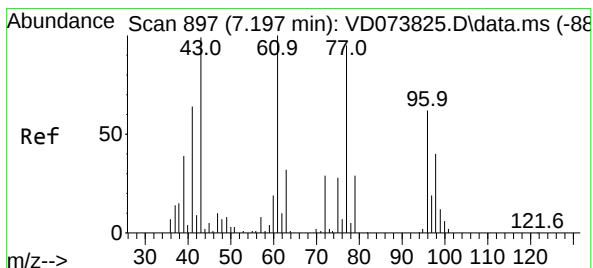
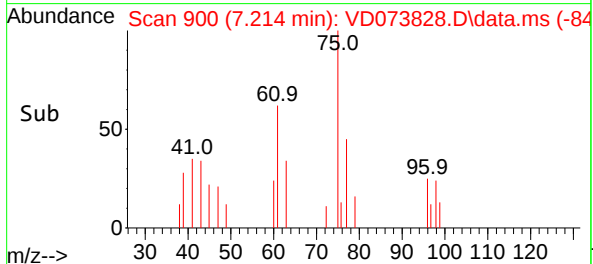
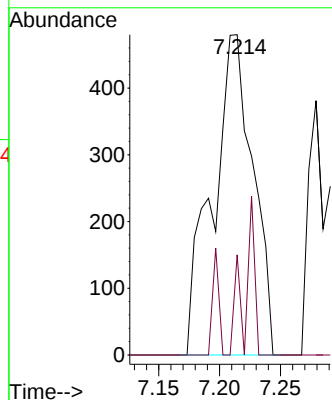
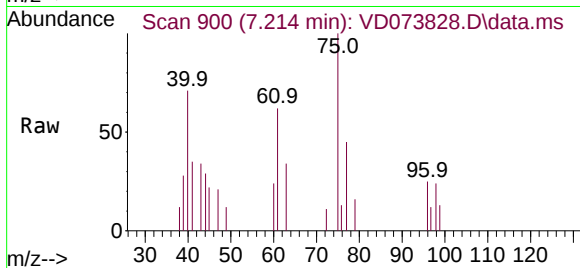
VIBLK

Tgt Ion: 43 Resp: 1110

Ion Ratio Lower Upper

43 100

72 31.3 20.9 31.3



#26

2,2-Dichloropropane

Concen: 1.743 ug/l

RT: 7.203 min Scan# 898

Delta R.T. 0.006 min

Lab File: VD073828.D

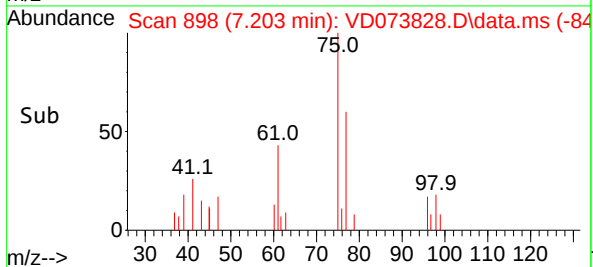
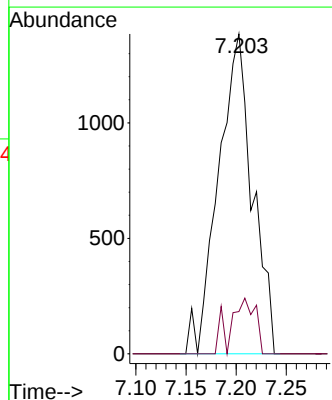
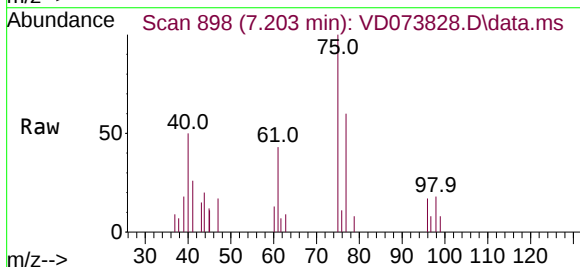
Acq: 11 Jul 2022 17:41

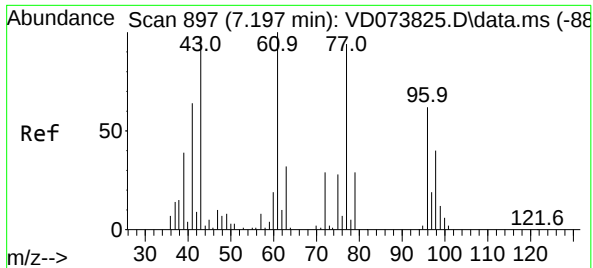
Tgt Ion: 77 Resp: 3265

Ion Ratio Lower Upper

77 100

97 10.6 10.7 31.9#





#27

cis-1,2-Dichloroethene

Concen: 1.186 ug/l

RT: 7.191 min Scan# 897

Delta R.T. -0.006 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

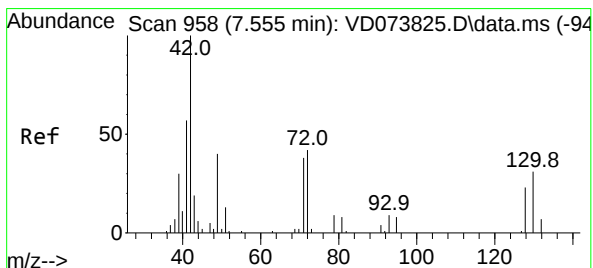
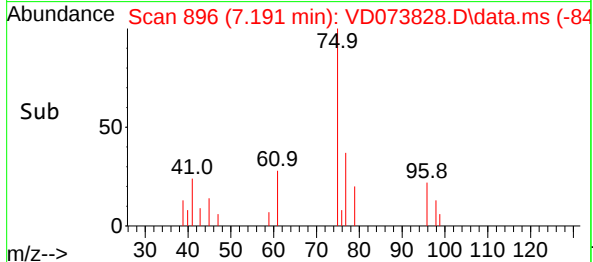
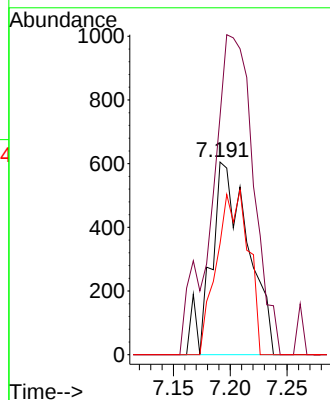
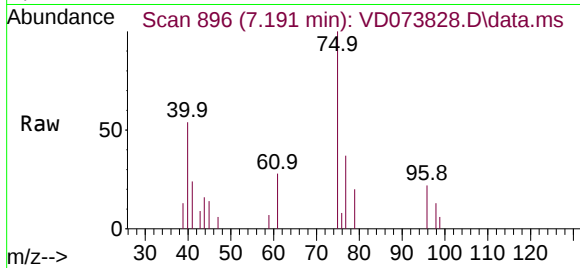
MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion: 96 Resp: 1371

Ion	Ratio	Lower	Upper
96	100		
61	187.6	0.0	324.4
98	72.7	0.0	131.6



#29

Tetrahydrofuran

Concen: 4.660 ug/l

RT: 7.556 min Scan# 958

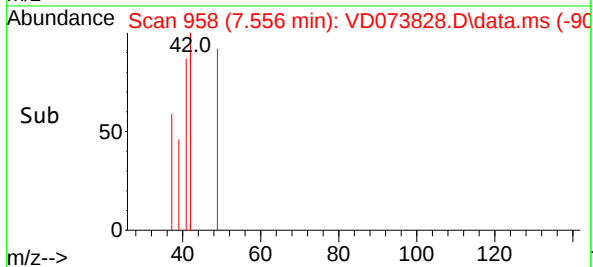
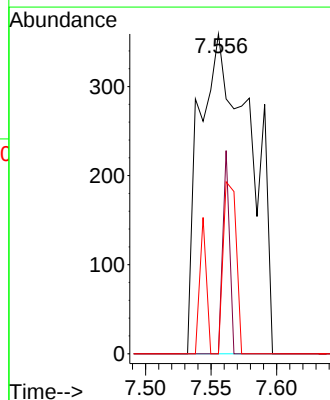
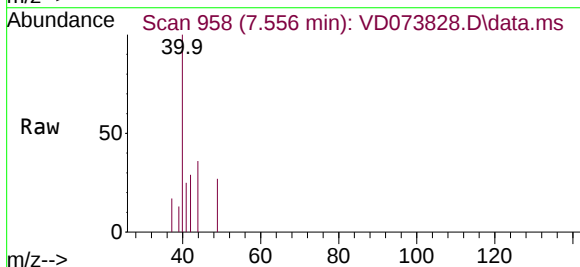
Delta R.T. 0.000 min

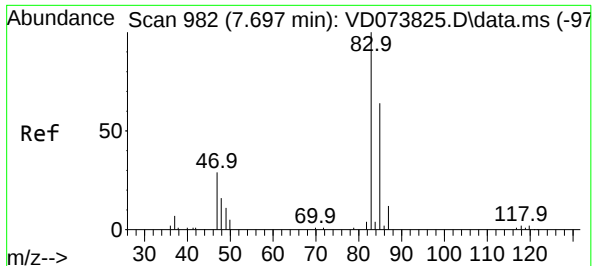
Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Tgt Ion: 42 Resp: 975

Ion	Ratio	Lower	Upper
42	100		
72	8.2	33.5	50.3#
71	13.5	31.0	46.6#





#30

Chloroform

Concen: 1.366 ug/l

RT: 7.703 min Scan# 982

Delta R.T. 0.006 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

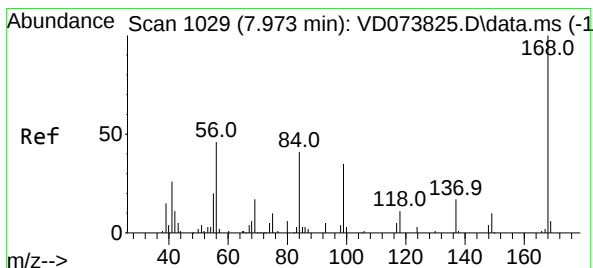
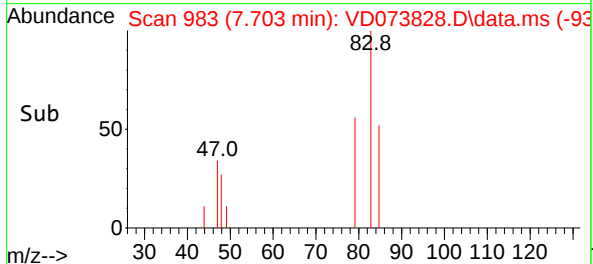
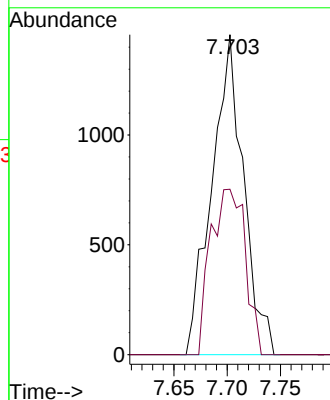
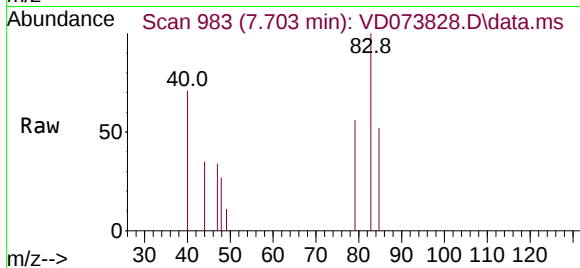
VIBLK

Tgt Ion: 83 Resp: 3020

Ion Ratio Lower Upper

83 100

85 51.7 51.2 76.8



#31

Cyclohexane

Concen: Below Cal

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

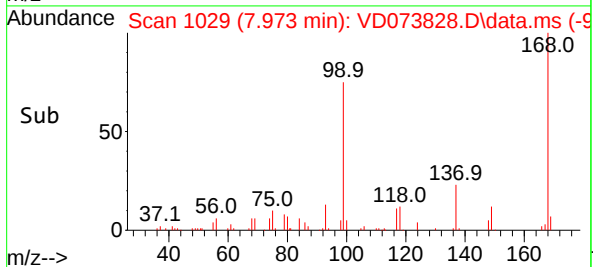
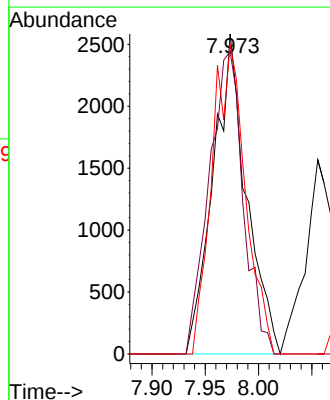
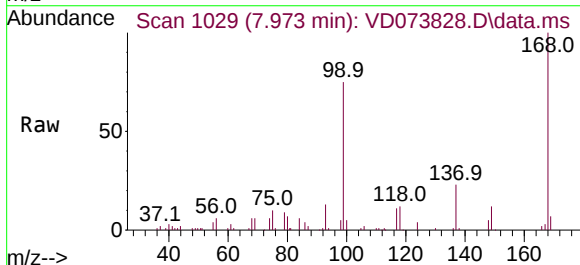
Tgt Ion: 56 Resp: 5625

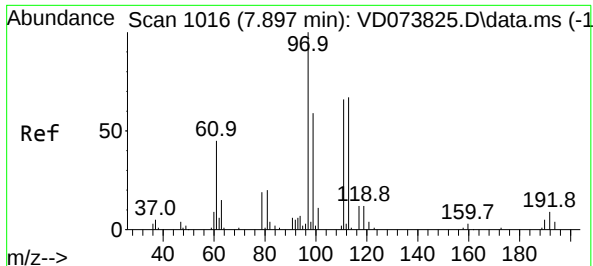
Ion Ratio Lower Upper

56 100

69 94.5 29.1 43.7#

84 96.6 68.2 102.2





#32

1,1,1-Trichloroethane

Concen: 1.429 ug/l

RT: 7.891 min Scan# 1015

Delta R.T. -0.006 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

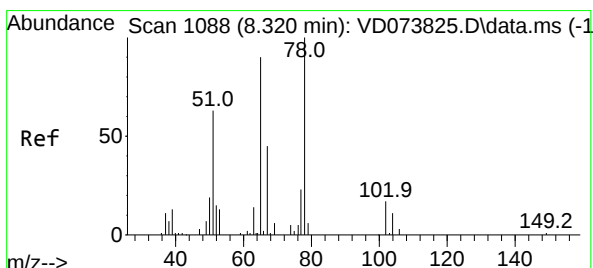
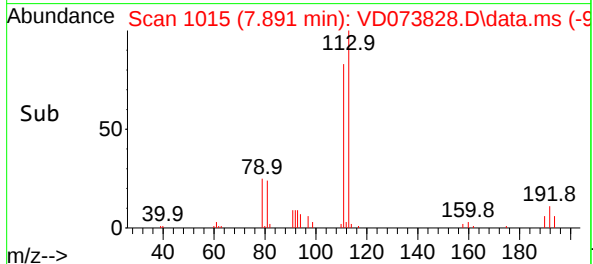
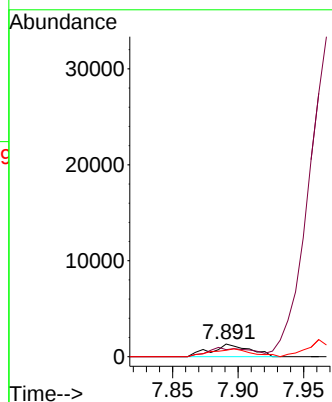
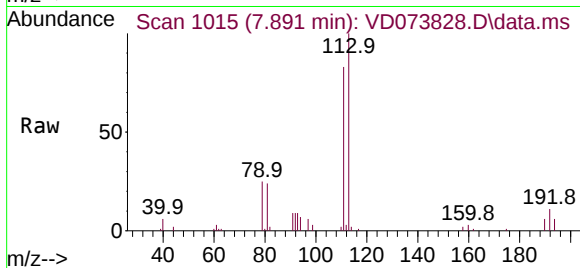
Tgt Ion: 97 Resp: 2643

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

61 65.3 37.0 55.4#



#33

1,2-Dichloroethane-d4

Concen: 61.951 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073828.D

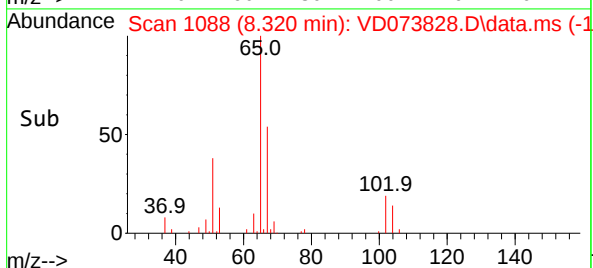
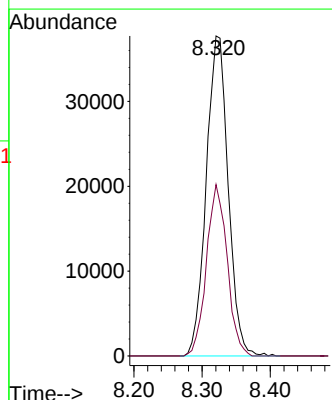
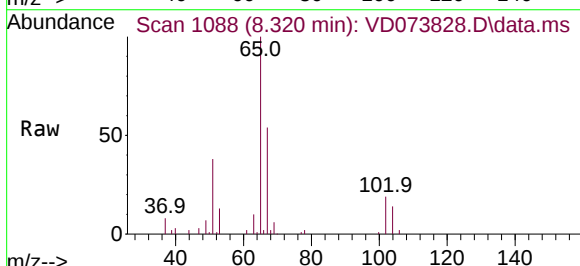
Acq: 11 Jul 2022 17:41

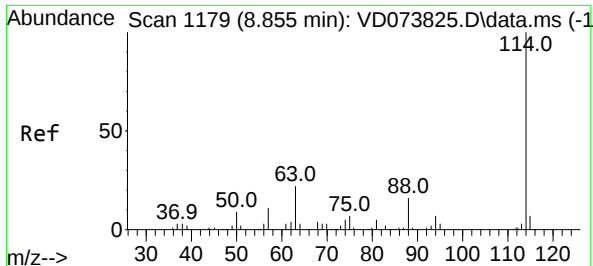
Tgt Ion: 65 Resp: 84437

Ion Ratio Lower Upper

65 100

67 50.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

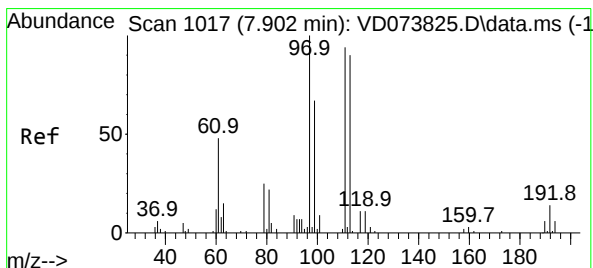
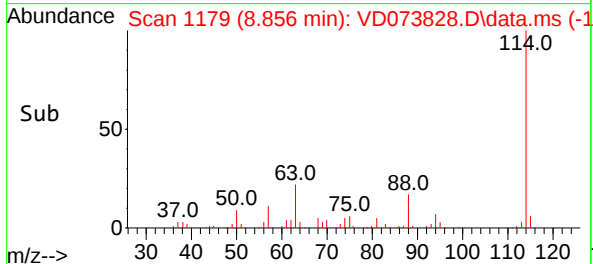
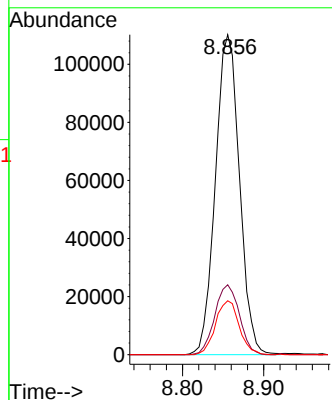
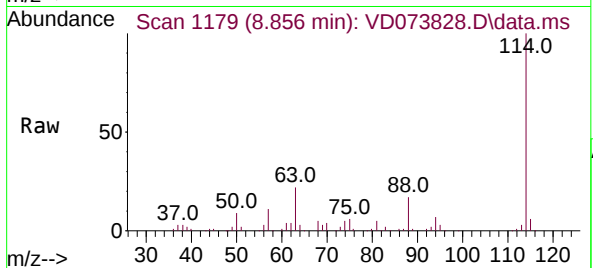
Tgt Ion:114 Resp: 226877

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.0

88 16.8 0.0 33.0



#35

Dibromofluoromethane

Concen: 53.570 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

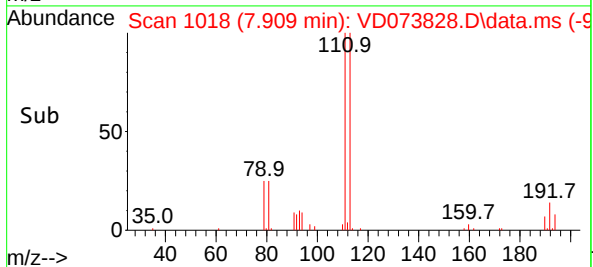
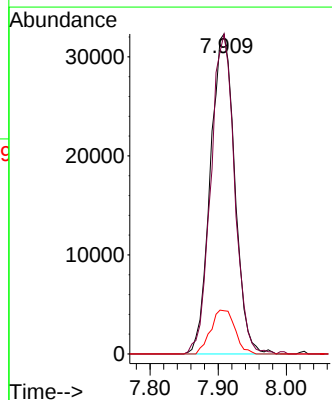
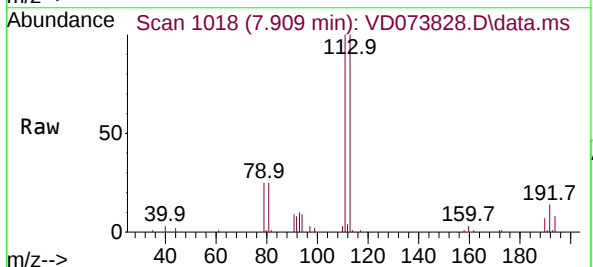
Tgt Ion:113 Resp: 80402

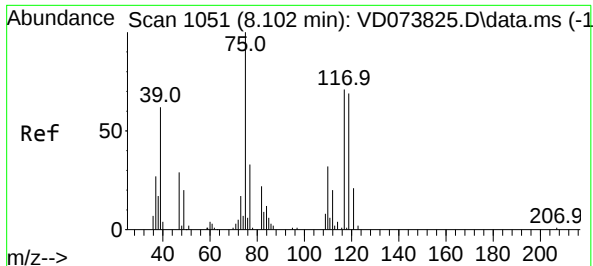
Ion Ratio Lower Upper

113 100

111 97.2 82.2 123.4

192 13.6 12.3 18.5





#36

1,1-Dichloropropene

Concen: 1.576 ug/l

RT: 8.097 min Scan# 1050

Delta R.T. -0.006 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

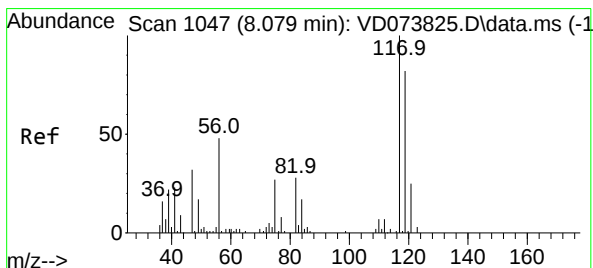
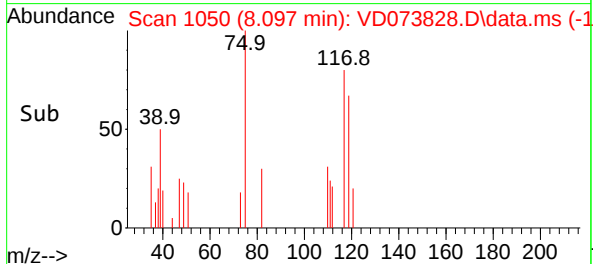
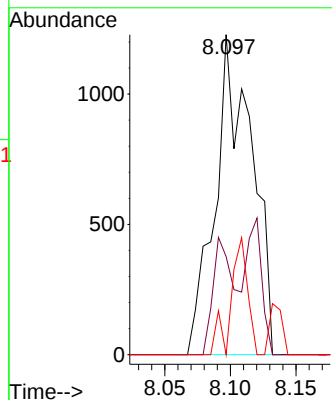
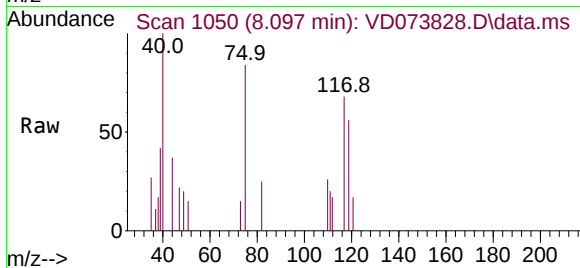
Tgt Ion: 75 Resp: 2394

Ion Ratio Lower Upper

75 100

110 22.0 16.0 47.9

77 16.8 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 1.523 ug/l

RT: 8.079 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

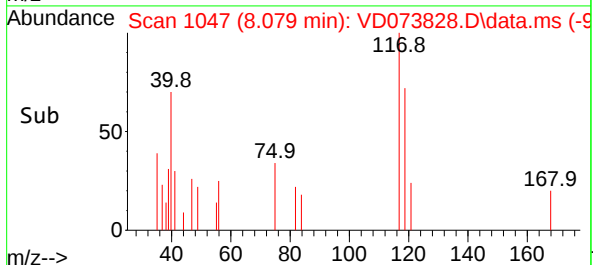
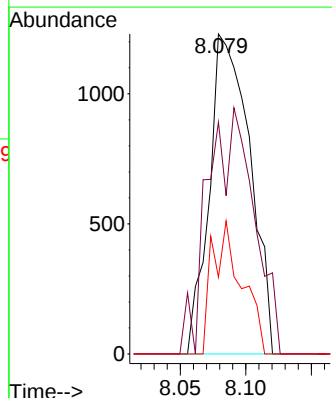
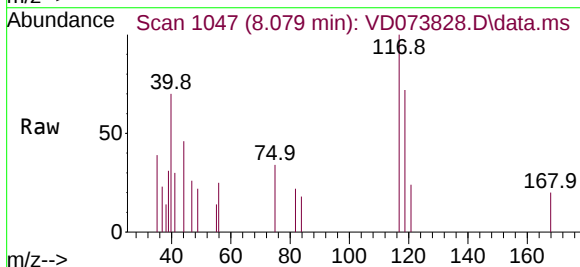
Tgt Ion: 117 Resp: 2642

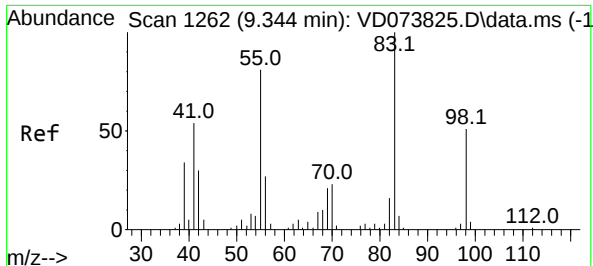
Ion Ratio Lower Upper

117 100

119 72.4 65.6 98.4

121 24.0 20.1 30.1





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.344 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

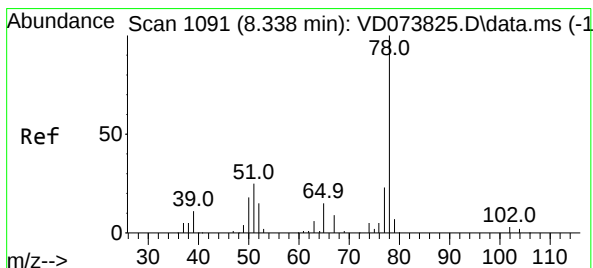
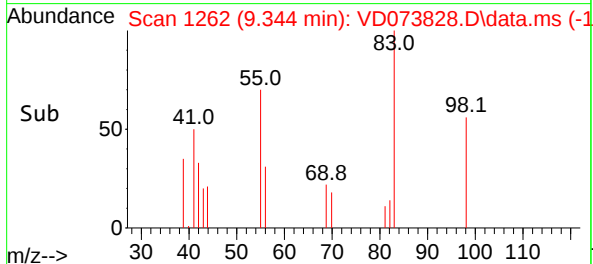
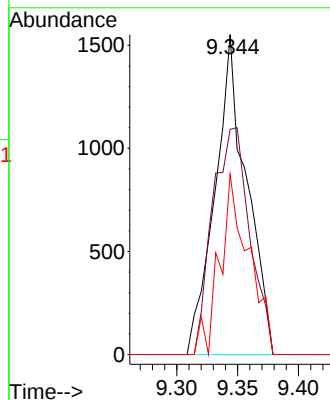
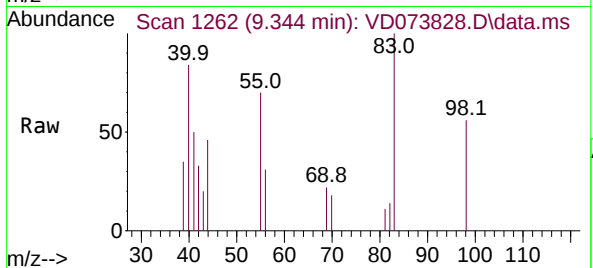
Tgt Ion: 83 Resp: 2802

Ion Ratio Lower Upper

83 100

55 70.4 64.8 97.2

98 56.4 41.0 61.4



#40

Benzene

Concen: 1.140 ug/l

RT: 8.338 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VD073828.D

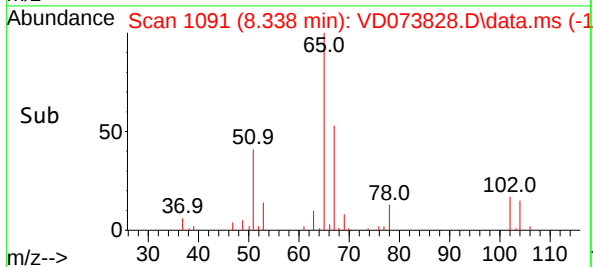
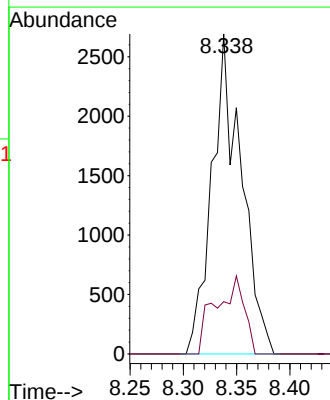
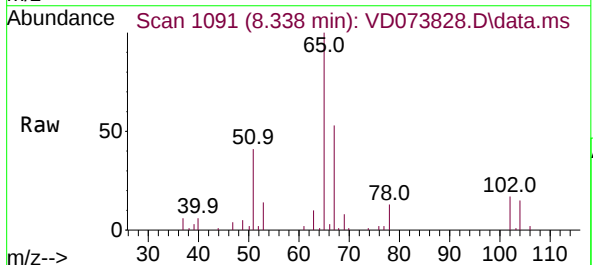
Acq: 11 Jul 2022 17:41

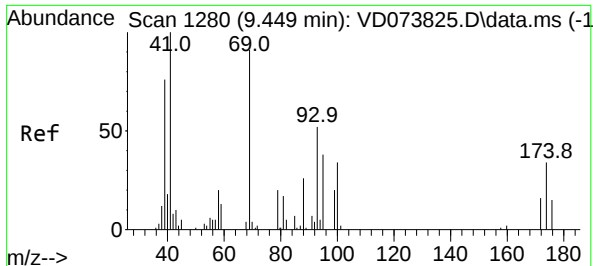
Tgt Ion: 78 Resp: 5156

Ion Ratio Lower Upper

78 100

77 16.3 18.8 28.2#





#49

1,4-Dioxane

Concen: 14.937 ug/l

RT: 9.450 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

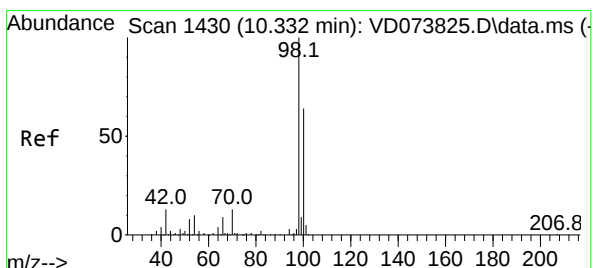
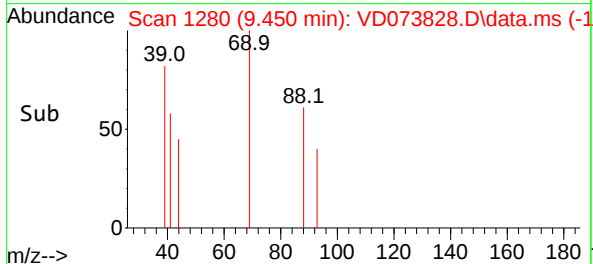
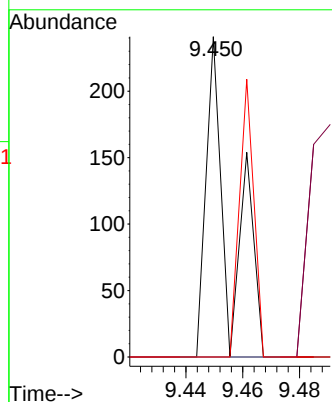
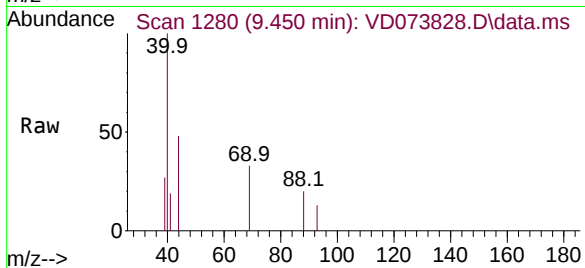
Tgt Ion: 88 Resp: 139

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.4#

58 53.2 54.8 82.2#



#50

Toluene-d8

Concen: 54.714 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073828.D

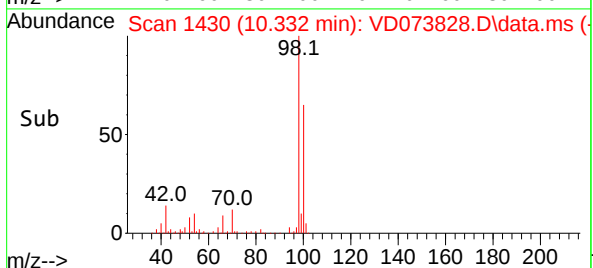
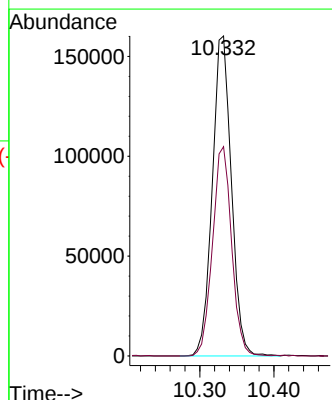
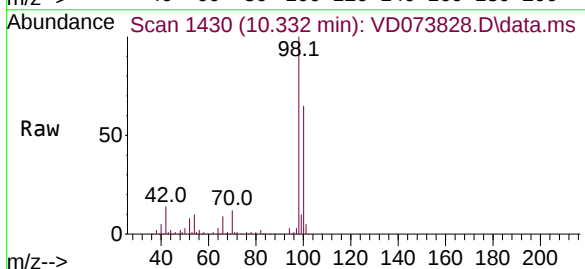
Acq: 11 Jul 2022 17:41

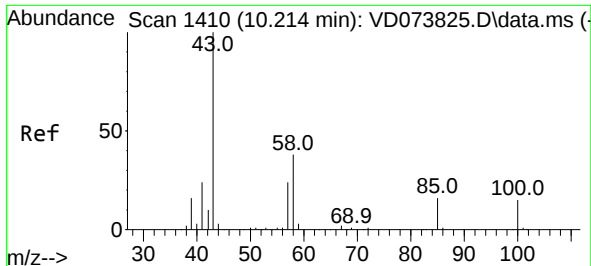
Tgt Ion: 98 Resp: 286348

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3

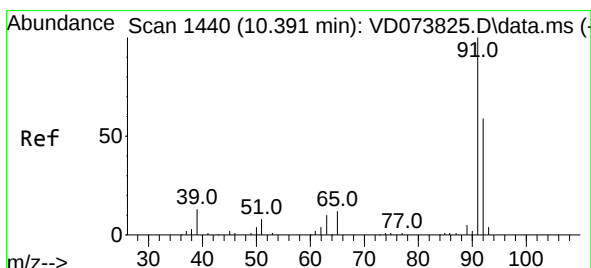
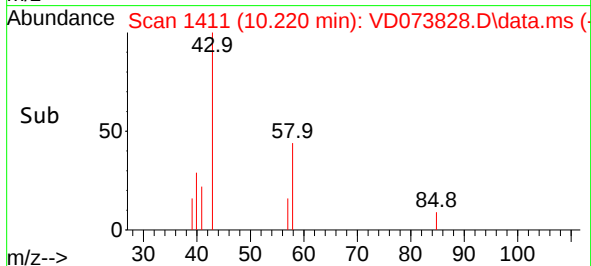
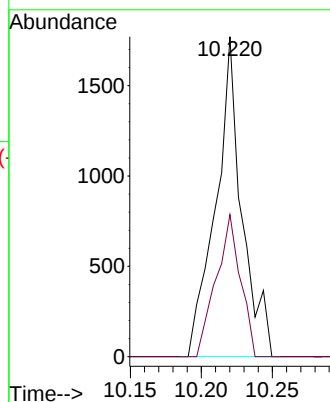
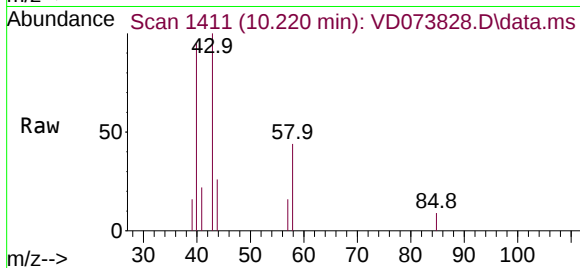




#51
4-Methyl-2-Pentanone
Concen: 2.321 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

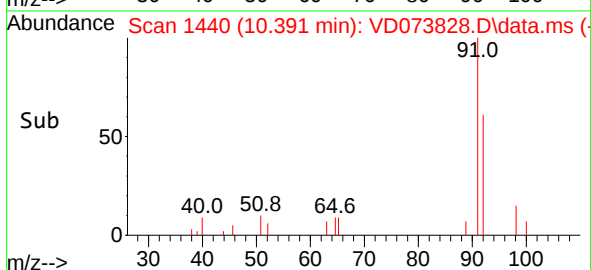
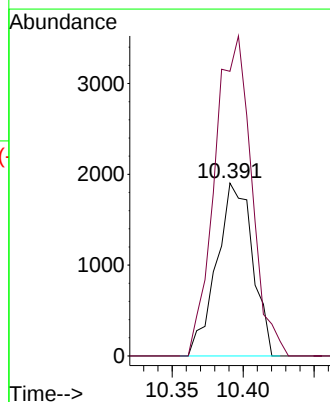
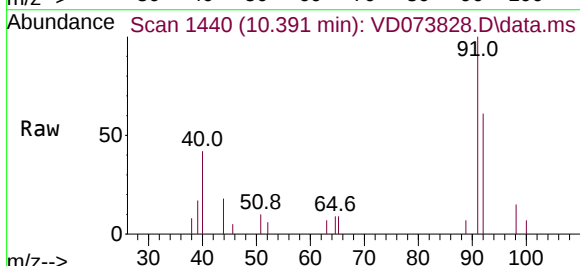
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

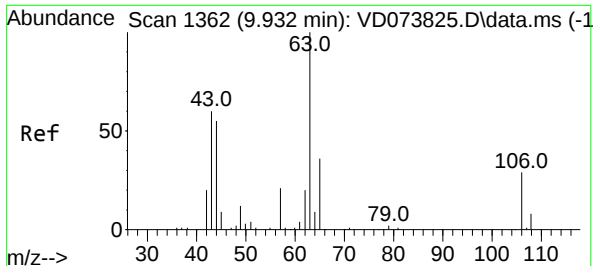
Tgt Ion: 43 Resp: 2261
Ion Ratio Lower Upper
43 100
58 41.3 29.3 43.9



#52
Toluene
Concen: 1.099 ug/l
RT: 10.391 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 92 Resp: 3336
Ion Ratio Lower Upper
92 100
91 190.2 138.4 207.6

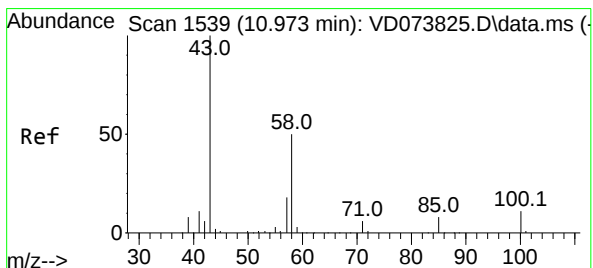
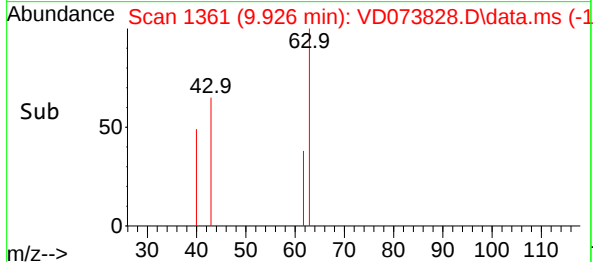
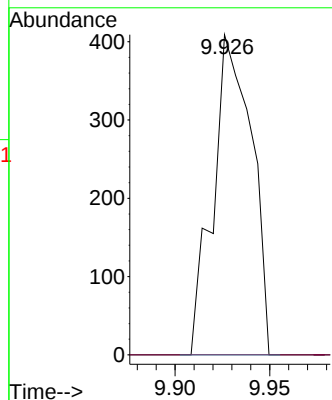
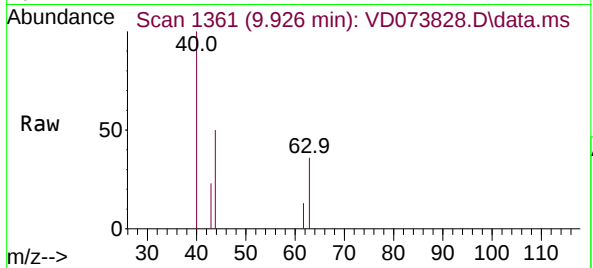




#58
2-Chloroethyl Vinyl ether
Concen: 1.097 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

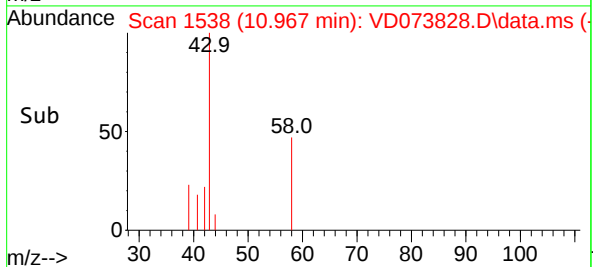
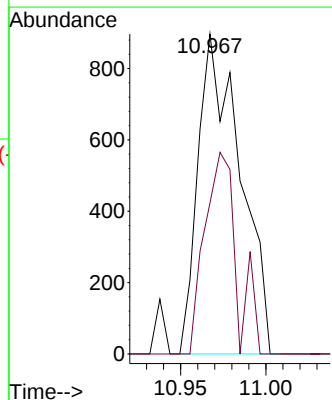
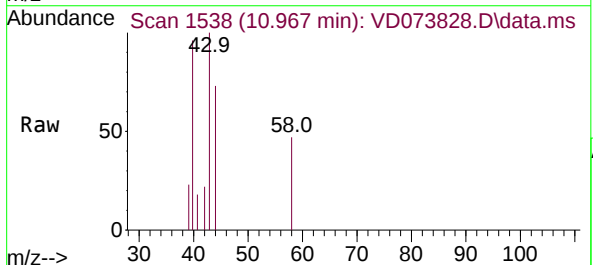
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

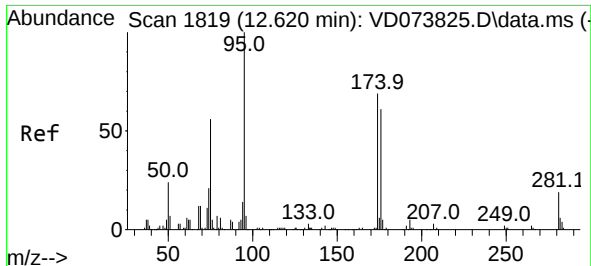
Tgt Ion: 63 Resp: 579
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#



#59
2-Hexanone
Concen: 2.326 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 43 Resp: 1543
Ion Ratio Lower Upper
43 100
58 47.6 25.3 75.9

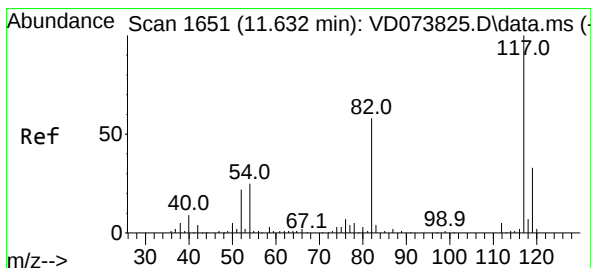
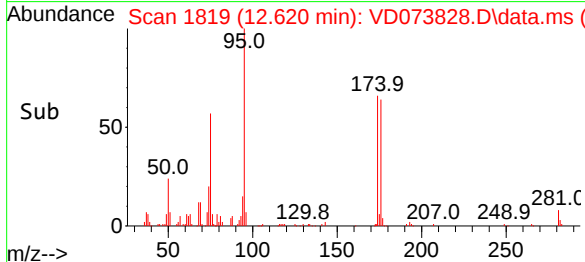
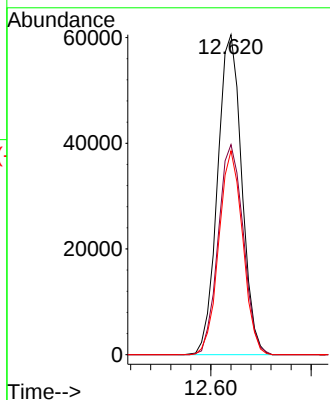
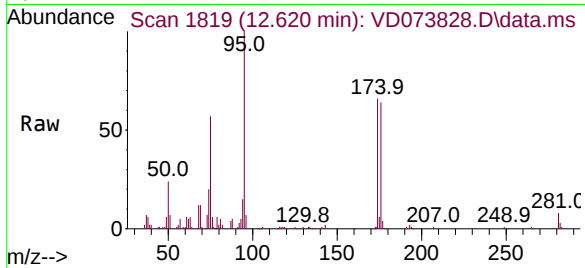




#62
4-Bromofluorobenzene
Concen: 45.735 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

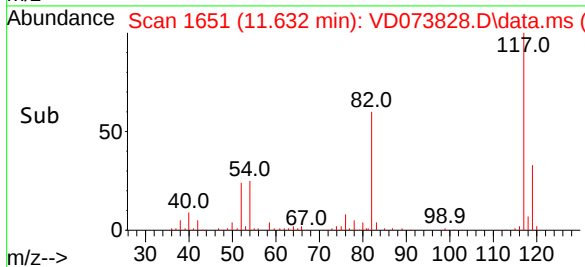
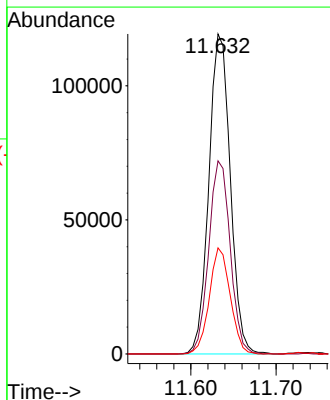
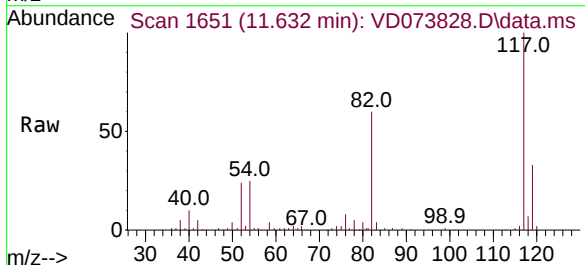
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

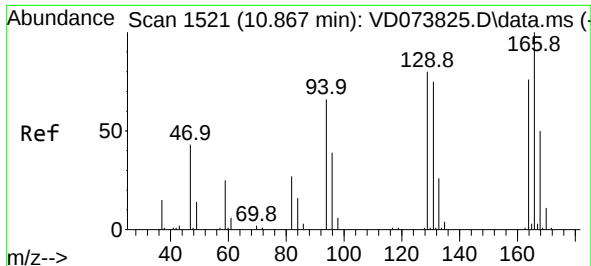
Tgt Ion: 95 Resp: 101417
Ion Ratio Lower Upper
95 100
174 68.0 0.0 131.8
176 62.9 0.0 124.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 117 Resp: 208704
Ion Ratio Lower Upper
117 100
82 60.4 46.6 69.8
119 33.2 26.1 39.1

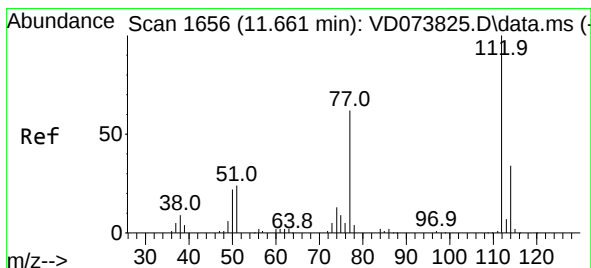
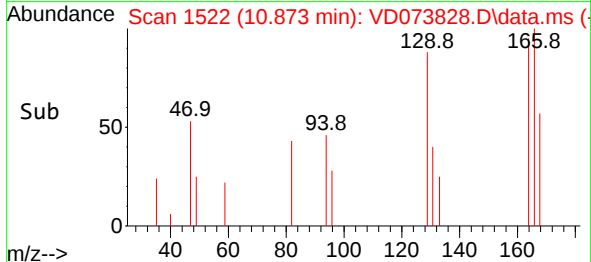
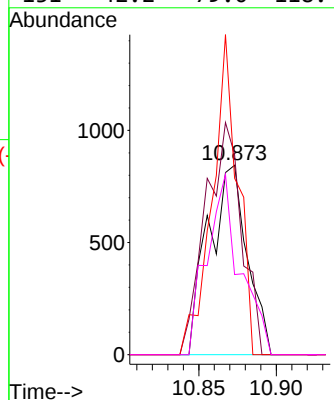
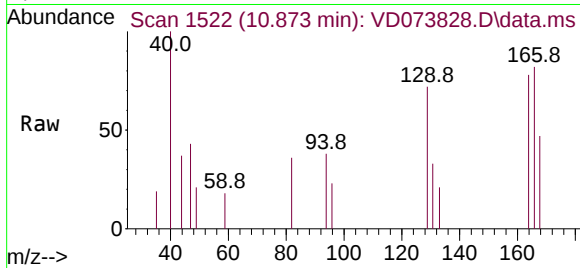




#64
Tetrachloroethene
Concen: Below Cal
RT: 10.873 min Scan# 1521
Delta R.T. 0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

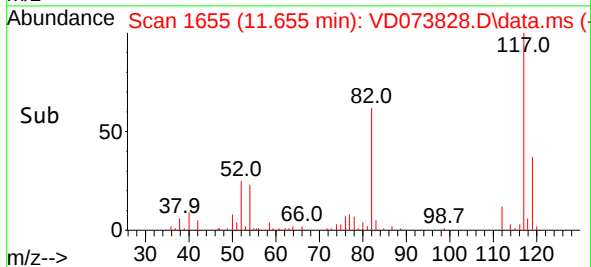
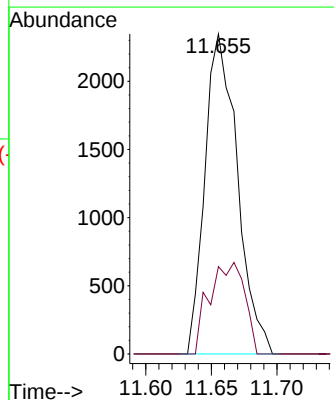
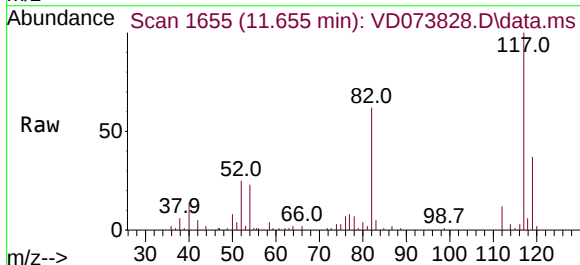
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

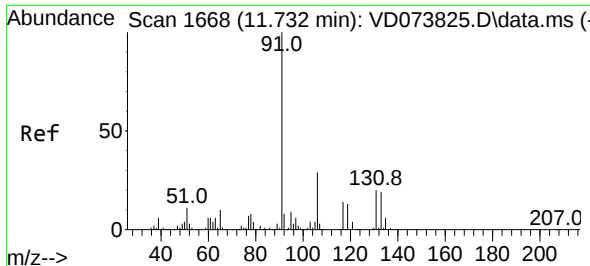
Tgt Ion:164 Resp: 1471
Ion Ratio Lower Upper
164 100
166 105.6 105.0 157.6
129 93.1 83.8 125.8
131 42.2 79.0 118.4#



#65
Chlorobenzene
Concen: 1.171 ug/l
RT: 11.655 min Scan# 1655
Delta R.T. -0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion:112 Resp: 4041
Ion Ratio Lower Upper
112 100
114 27.3 27.1 40.7

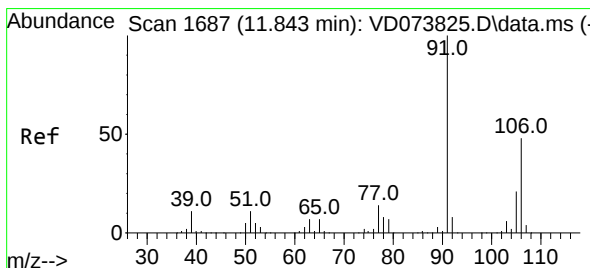
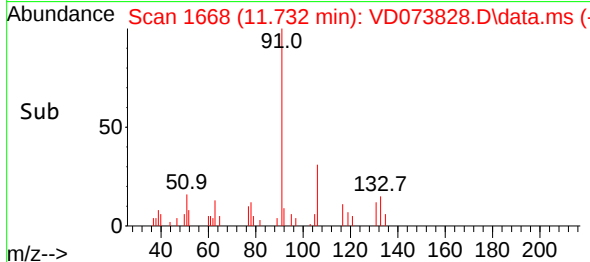
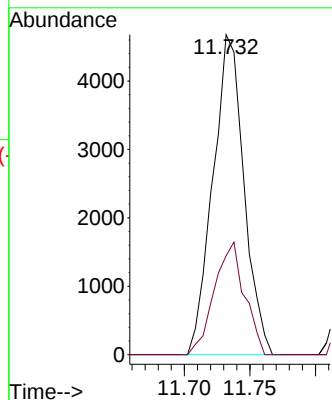
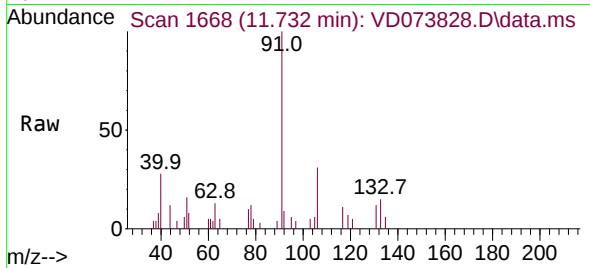




#67
Ethyl Benzene
Concen: 1.196 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

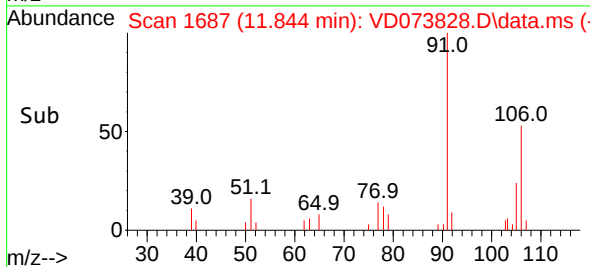
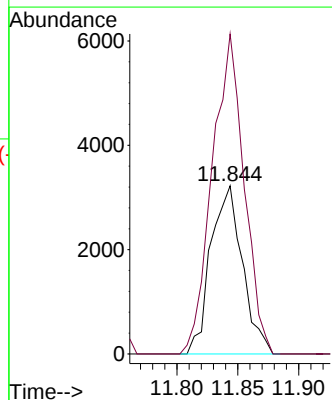
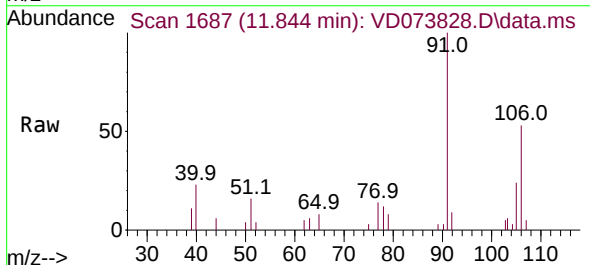
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

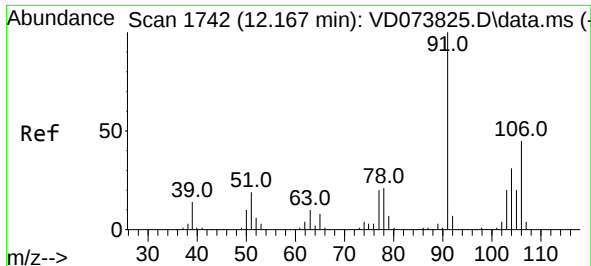
Tgt Ion: 91 Resp: 7697
Ion Ratio Lower Upper
91 100
106 30.9 23.2 34.8



#68
m/p-Xylenes
Concen: 2.466 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 106 Resp: 5821
Ion Ratio Lower Upper
106 100
91 192.3 167.0 250.4

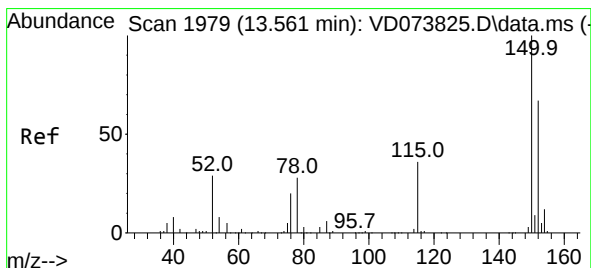
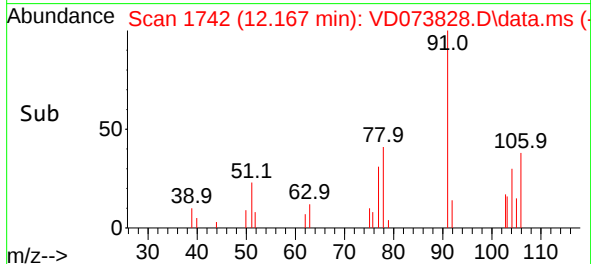
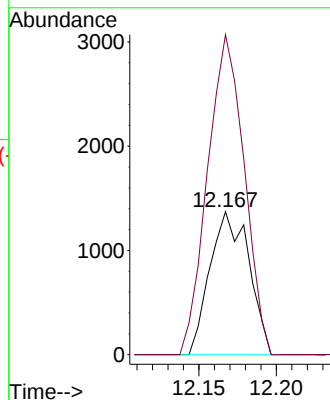
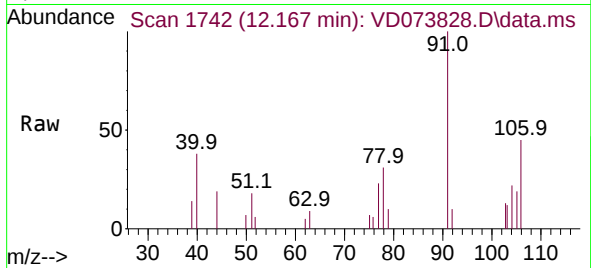




#69
o-Xylene
Concen: 1.026 ug/l
RT: 12.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

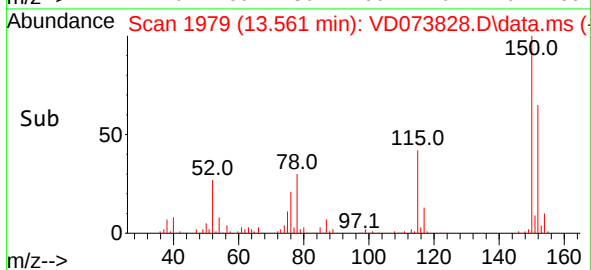
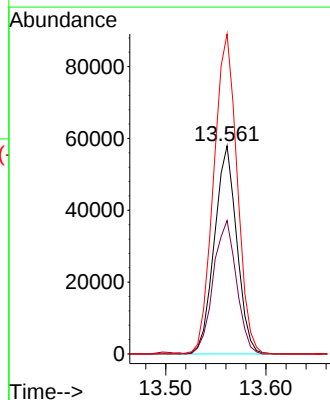
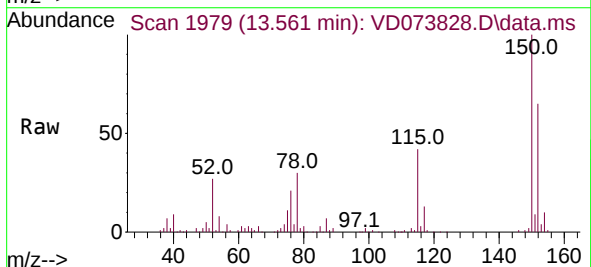
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

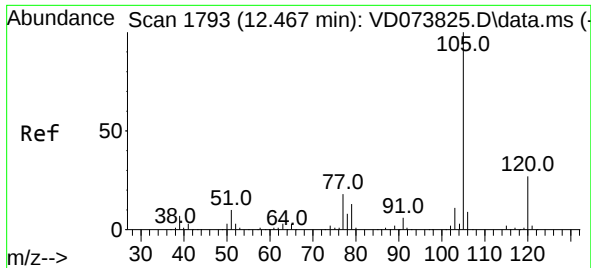
Tgt Ion:106 Resp: 2402
Ion Ratio Lower Upper
106 100
91 210.4 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion:152 Resp: 89774
Ion Ratio Lower Upper
152 100
115 66.3 33.5 100.5
150 161.3 0.0 343.2

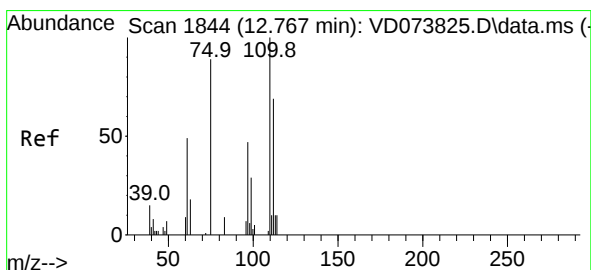
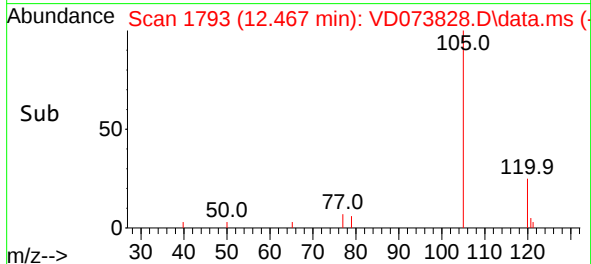
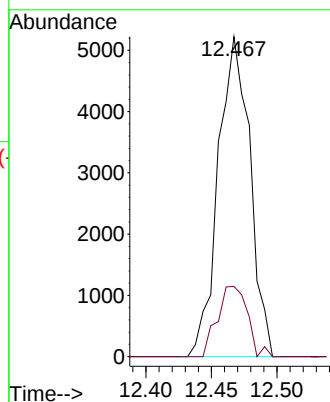
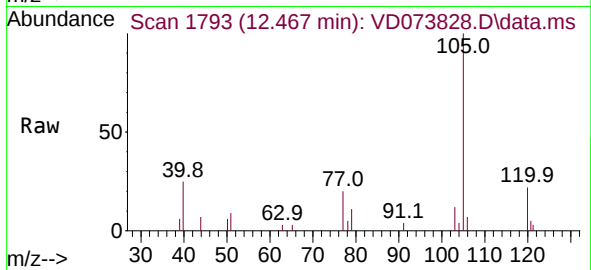




#73
Isopropylbenzene
Concen: 1.434 ug/l
RT: 12.467 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

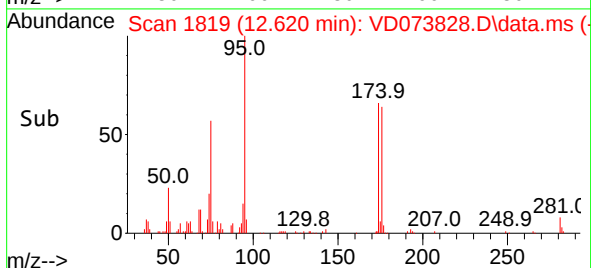
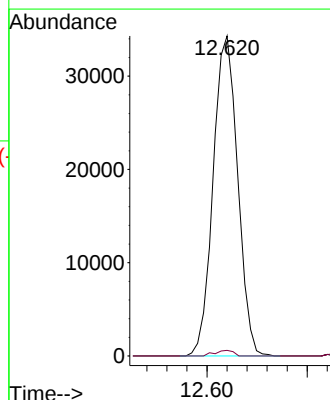
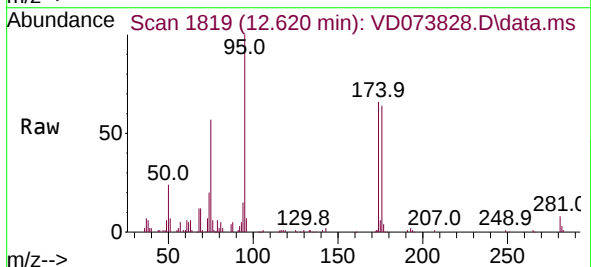
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

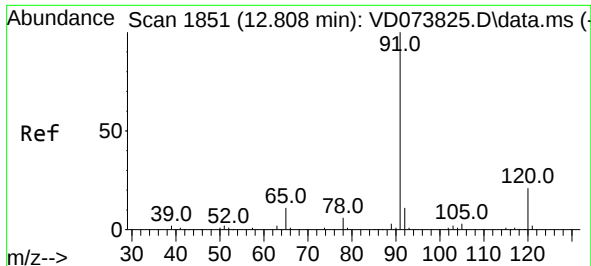
Tgt Ion:105 Resp: 8798
Ion Ratio Lower Upper
105 100
120 20.8 13.2 39.5



#76
1,2,3-Trichloropropane
Concen: 59.995 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 75 Resp: 58267
Ion Ratio Lower Upper
75 100
77 1.3 138.0 414.0#

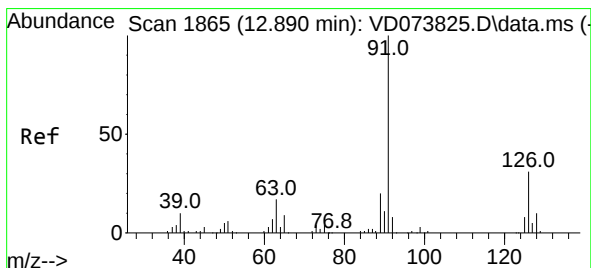
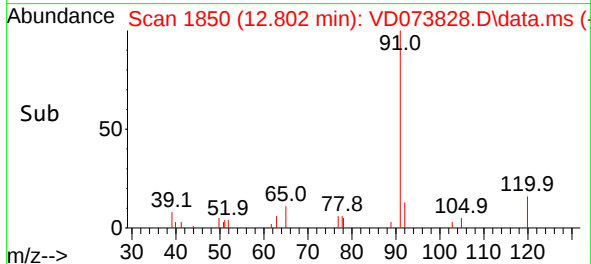
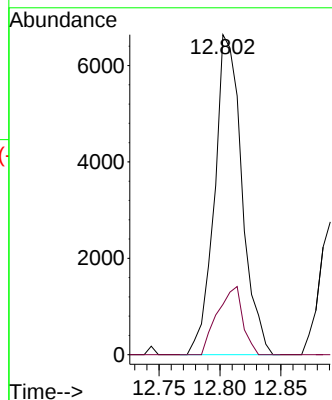
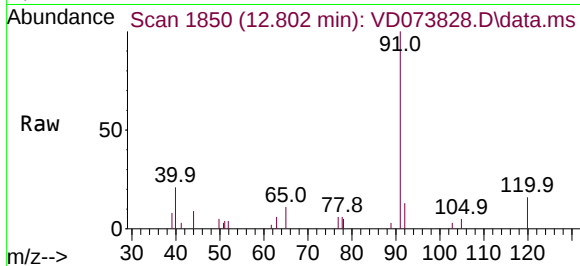




#78
n-propylbenzene
Concen: 1.344 ug/l
RT: 12.802 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

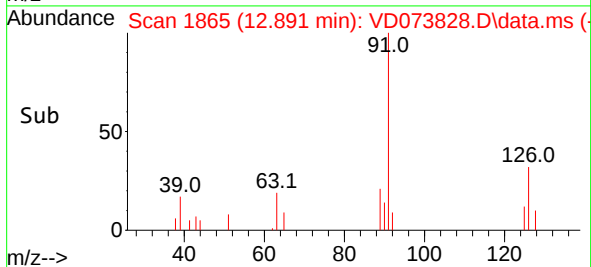
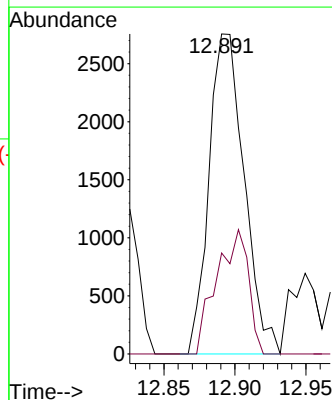
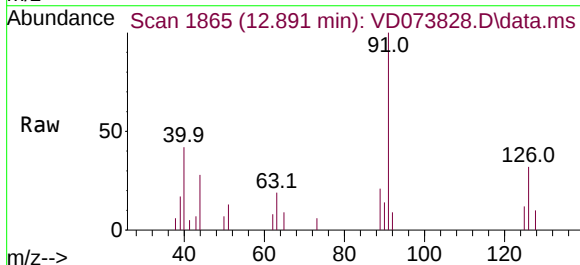
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

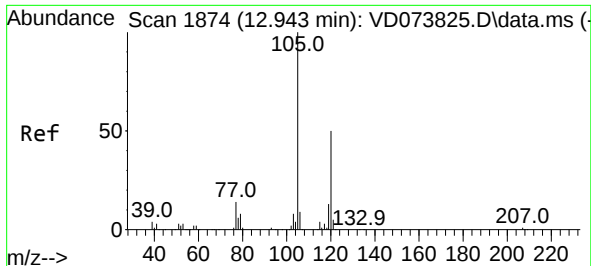
Tgt Ion: 91 Resp: 10412
Ion Ratio Lower Upper
91 100
120 19.6 10.5 31.6



#79
2-Chlorotoluene
Concen: 1.065 ug/l
RT: 12.891 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 91 Resp: 4747
Ion Ratio Lower Upper
91 100
126 35.1 15.9 47.7

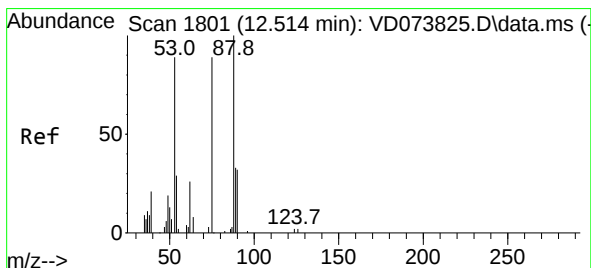
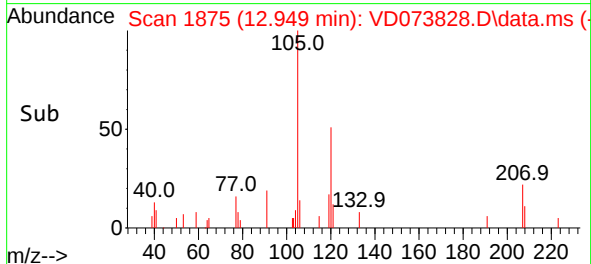
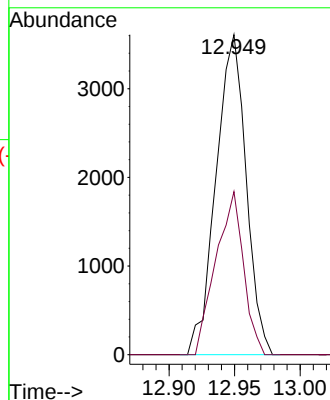
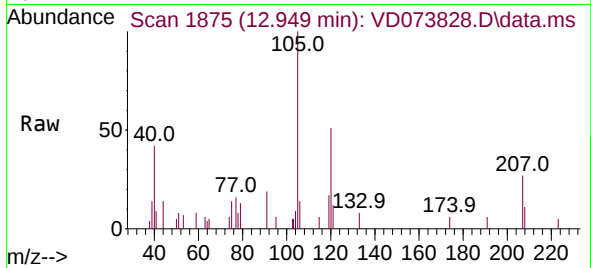




#80
1,3,5-Trimethylbenzene
Concen: 1.127 ug/l
RT: 12.949 min Scan# 1874
Delta R.T. 0.006 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

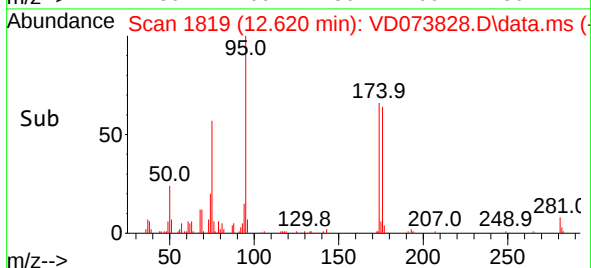
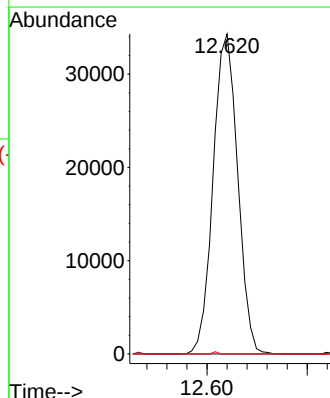
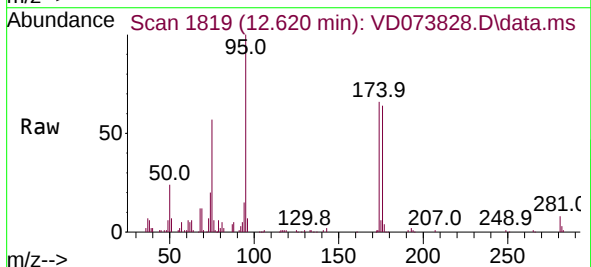
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

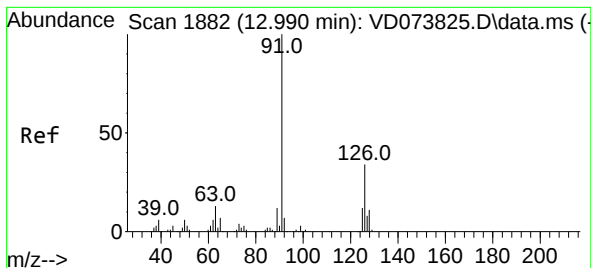
Tgt Ion:105 Resp: 5764
Ion Ratio Lower Upper
105 100
120 46.7 24.1 72.4



#81
trans-1,4-Dichloro-2-butene
Concen: 157.673 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion: 75 Resp: 58267
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.2 34.8 52.2#





#82

4-Chlorotoluene

Concen: 1.105 ug/l

RT: 12.991 min Scan# 1882

Delta R.T. 0.000 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

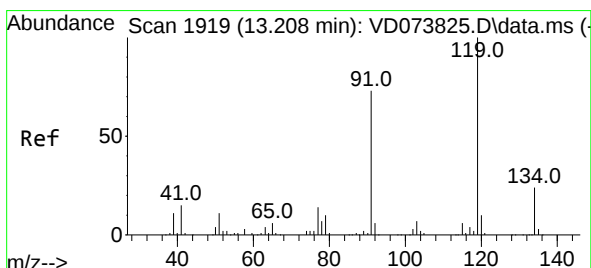
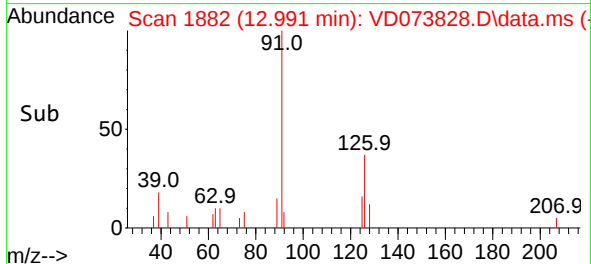
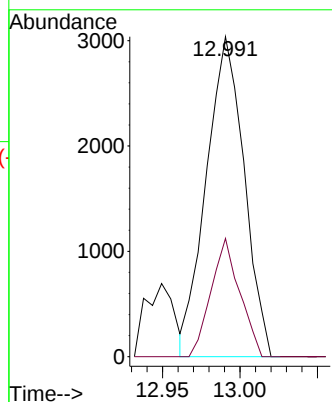
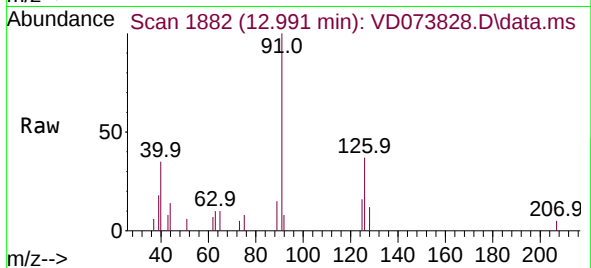
VIBLK

Tgt Ion: 91 Resp: 5151

Ion Ratio Lower Upper

91 100

126 28.1 16.2 48.5



#83

tert-Butylbenzene

Concen: 1.439 ug/l

RT: 13.208 min Scan# 1919

Delta R.T. 0.000 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

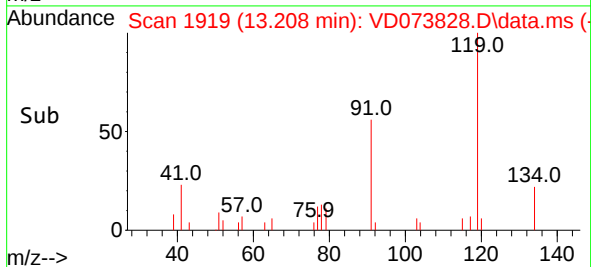
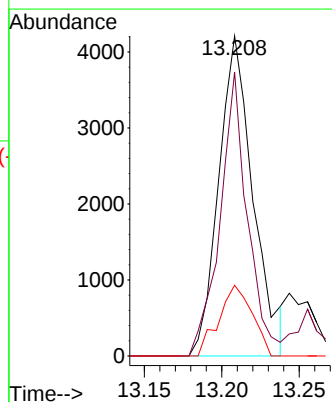
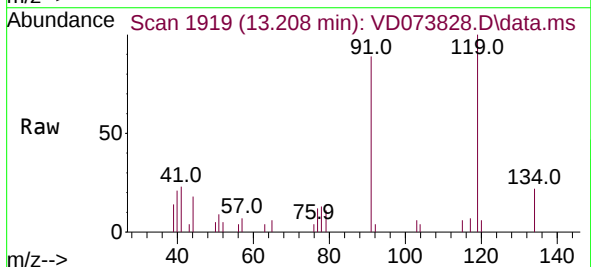
Tgt Ion: 119 Resp: 6485

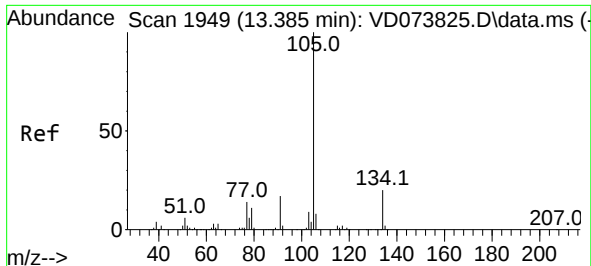
Ion Ratio Lower Upper

119 100

91 71.0 36.0 108.0

134 21.4 13.1 39.1

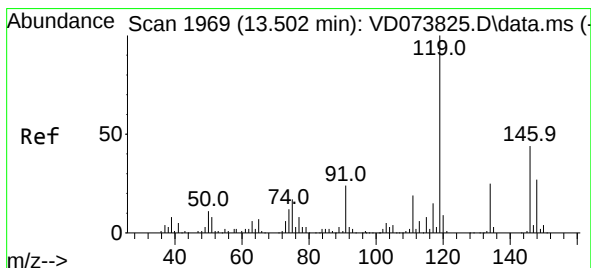
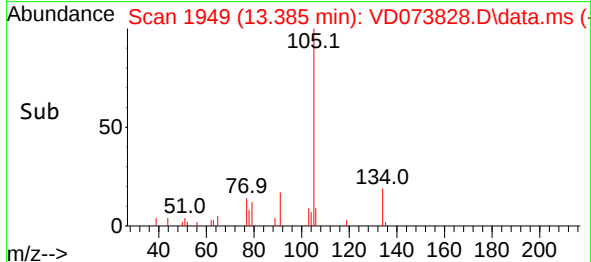
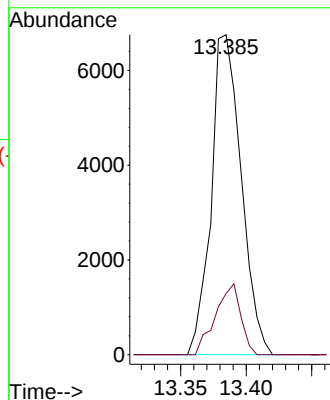
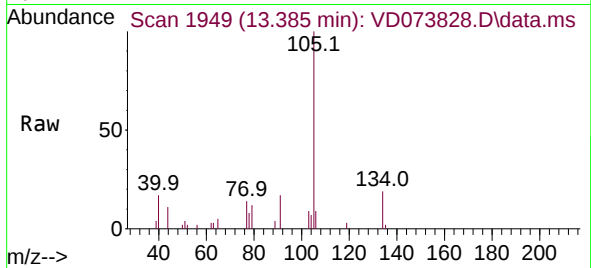




#85
 sec-Butylbenzene
 Concen: 1.532 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: VD073828.D
 Acq: 11 Jul 2022 17:41

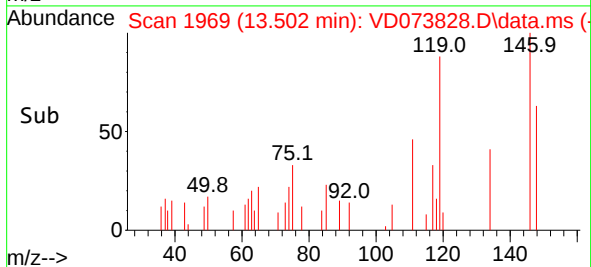
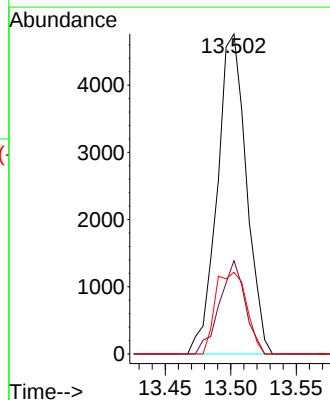
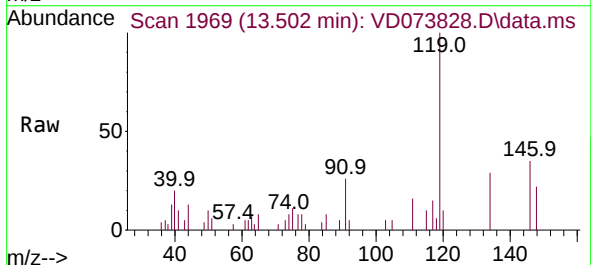
Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

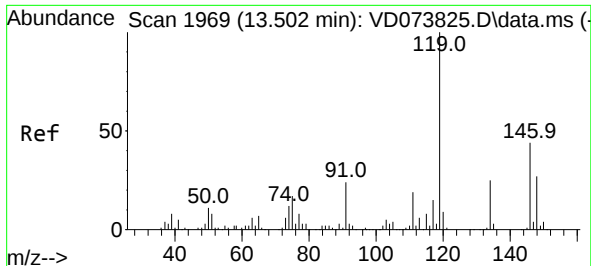
Tgt Ion:105 Resp: 10733
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 1.305 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073828.D
 Acq: 11 Jul 2022 17:41

Tgt Ion:119 Resp: 7364
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.6 37.8
 91 27.2 13.0 38.9

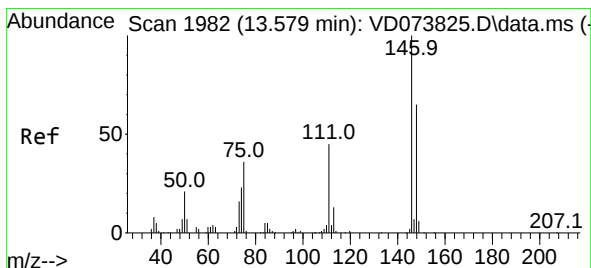
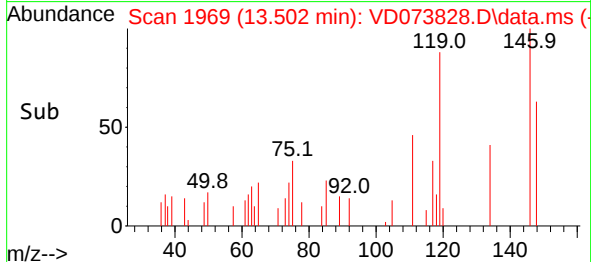
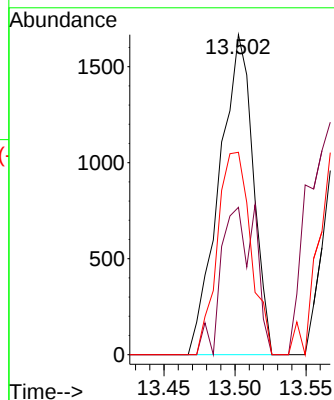
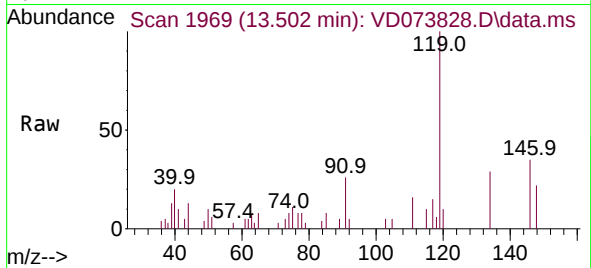




#87
1,3-Dichlorobenzene
Concen: 1.002 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

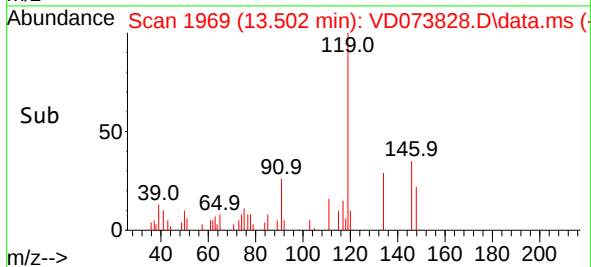
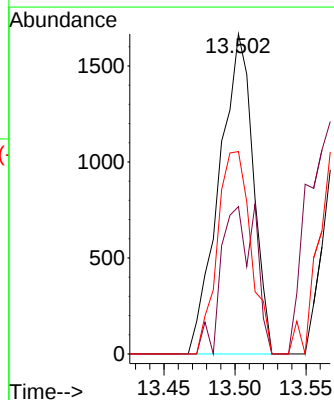
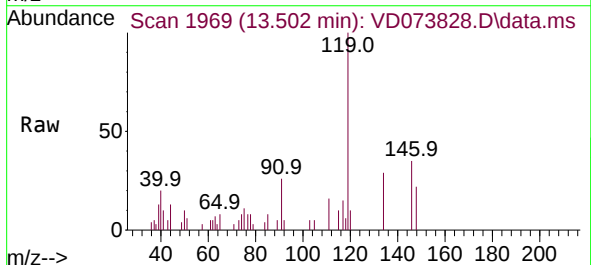
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

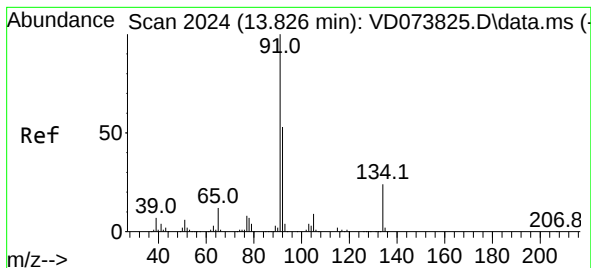
Tgt Ion:146 Resp: 2768
Ion Ratio Lower Upper
146 100
111 46.5 21.8 65.4
148 62.2 31.6 94.8



#88
1,4-Dichlorobenzene
Concen: 1.023 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.076 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion:146 Resp: 2768
Ion Ratio Lower Upper
146 100
111 46.5 21.9 65.7
148 62.2 32.4 97.0





#89

n-Butylbenzene

Concen: 1.453 ug/l

RT: 13.826 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

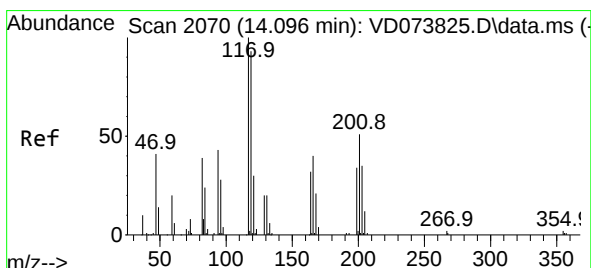
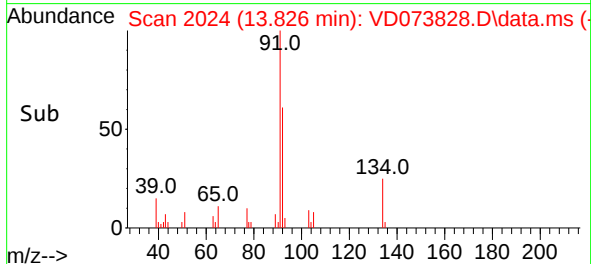
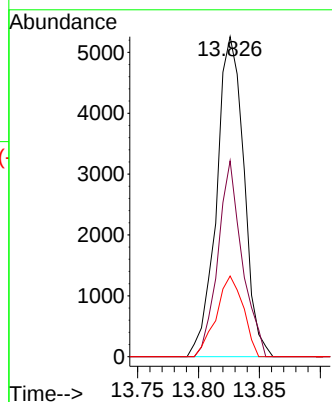
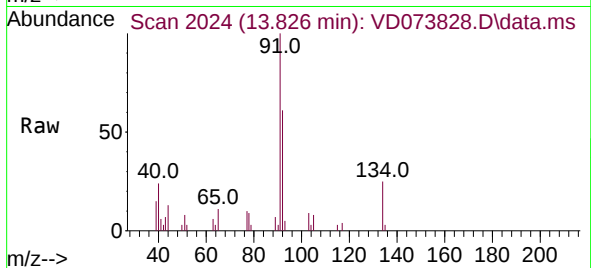
Tgt Ion: 91 Resp: 8230

Ion Ratio Lower Upper

91 100

92 54.0 26.7 80.1

134 24.7 11.6 34.7



#90

Hexachloroethane

Concen: 1.226 ug/l

RT: 14.091 min Scan# 2069

Delta R.T. -0.006 min

Lab File: VD073828.D

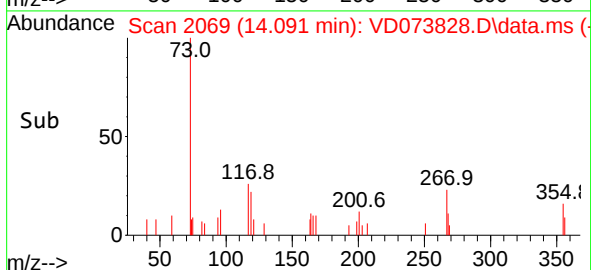
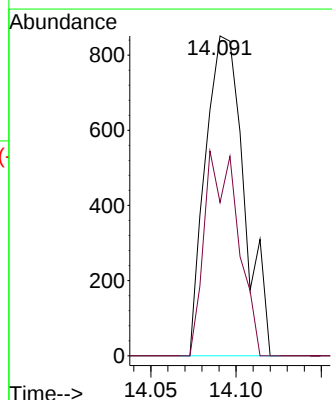
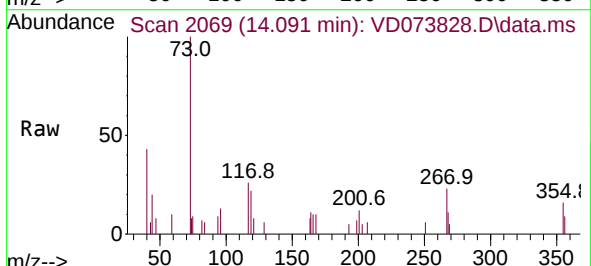
Acq: 11 Jul 2022 17:41

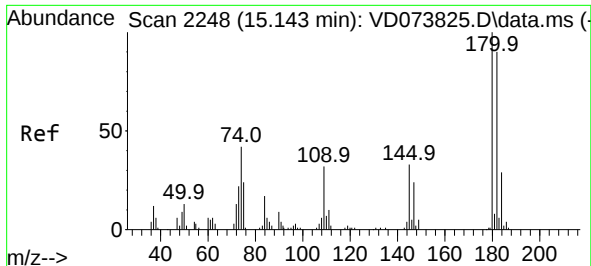
Tgt Ion: 117 Resp: 1339

Ion Ratio Lower Upper

117 100

201 55.5 26.7 80.0

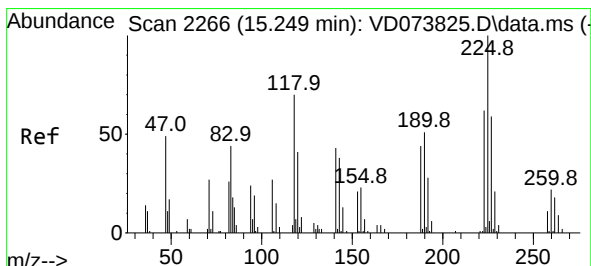
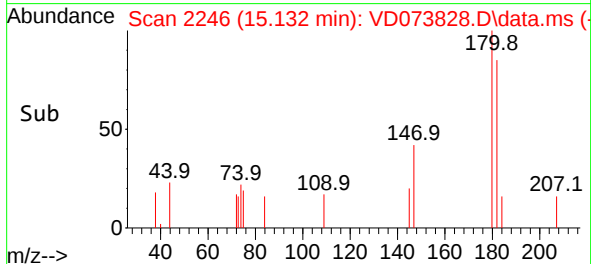
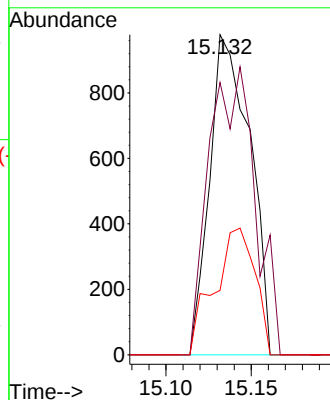
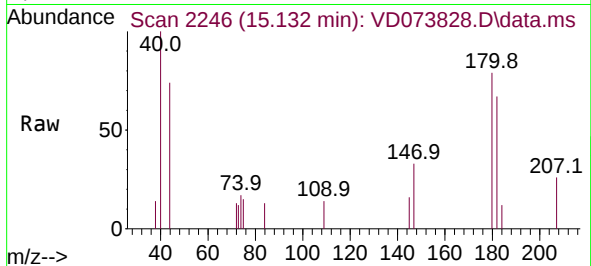




#93
1,2,4-Trichlorobenzene
Concen: 1.157 ug/l
RT: 15.132 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

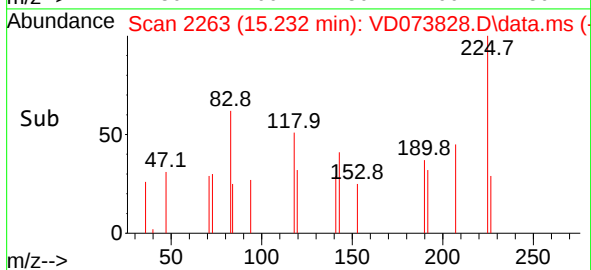
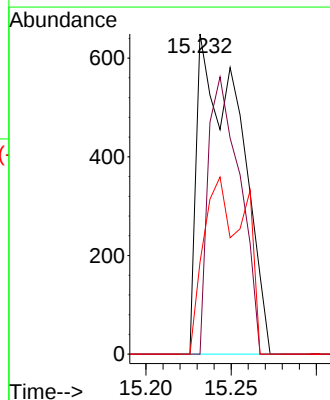
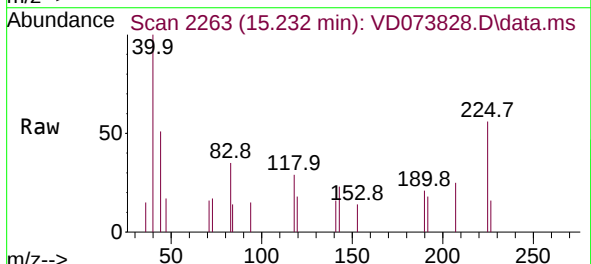
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

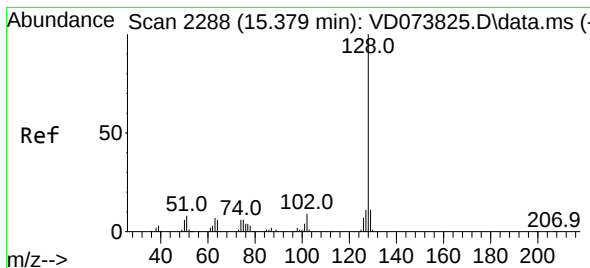
Tgt Ion:180 Resp: 1604
Ion Ratio Lower Upper
180 100
182 103.1 46.9 140.8
145 40.2 17.0 51.0



#94
Hexachlorobutadiene
Concen: 1.702 ug/l
RT: 15.232 min Scan# 2263
Delta R.T. -0.018 min
Lab File: VD073828.D
Acq: 11 Jul 2022 17:41

Tgt Ion:225 Resp: 1123
Ion Ratio Lower Upper
225 100
223 64.7 31.8 95.3
227 52.9 31.4 94.2





#95

Naphthalene

Concen: 1.314 ug/l

RT: 15.379 min Scan# 2288

Delta R.T. 0.000 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

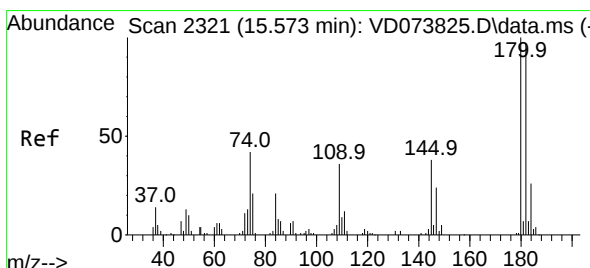
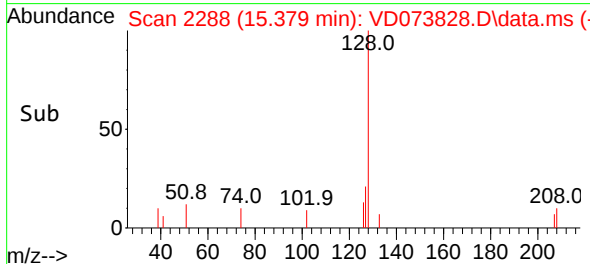
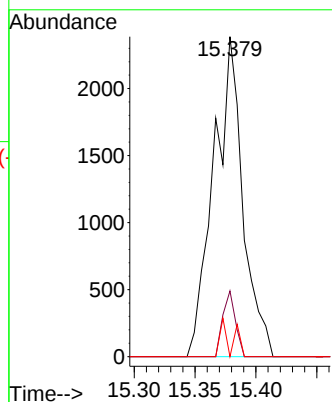
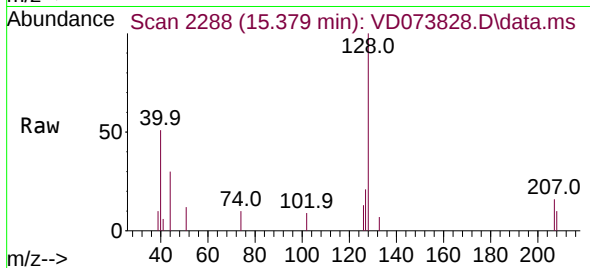
Tgt Ion:128 Resp: 3979

Ion Ratio Lower Upper

128 100

127 8.9 10.3 15.5#

129 4.7 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 1.139 ug/l

RT: 15.567 min Scan# 2320

Delta R.T. -0.006 min

Lab File: VD073828.D

Acq: 11 Jul 2022 17:41

Tgt Ion:180 Resp: 1373

Ion Ratio Lower Upper

180 100

182 81.1 47.4 142.3

145 36.1 18.9 56.9

