

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122822\
 Data File : VD075071.D
 Acq On : 28 Dec 2022 17:43
 Operator : KP/SY
 Sample : N6219-01RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1229

Quant Time: Dec 29 03:52:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 23 05:54:19 2022
 Response via : Initial Calibration

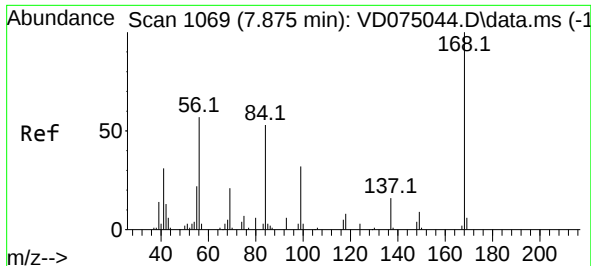
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	26997	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	67347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	69283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	30922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	25804	97.784	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 195.560%#	
35) Dibromofluoromethane	7.805	113	23199	58.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.080%	
50) Toluene-d8	10.269	98	86757	54.181	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.360%	
62) 4-Bromofluorobenzene	12.575	95	31731	61.169	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 122.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	221	Below Cal	#	41
5) Bromomethane	2.705	94	286	Below Cal		90
16) Acetone	4.022	43	438	6.391	ug/l #	39
17) Carbon Disulfide	4.275	76	55	Below Cal	#	75
18) Methyl Acetate	4.717	43	56	Below Cal	#	44
20) Methylene Chloride	4.799	84	1454	Below Cal	#	85
31) Cyclohexane	7.875	56	478	Below Cal	#	43
36) 1,1-Dichloropropene	7.869	75	2346	4.583	ug/l #	40
38) Carbon Tetrachloride	7.875	117	2564	5.793	ug/l #	13
51) 4-Methyl-2-Pentanone	10.269	43	343	1.335	ug/l #	1
68) m/p-Xylenes	11.799	106	2398	2.731	ug/l	98
69) o-Xylene	12.116	106	2029	2.402	ug/l	97
76) 1,2,3-Trichloropropane	12.575	75	15884	50.098	ug/l #	100
79) 2-Chlorotoluene	12.834	91	2305	1.453	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.904	105	9104	4.762	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.575	75	15884	116.110	ug/l #	19
83) tert-Butylbenzene	13.216	119	3173	1.875	ug/l #	59
84) 1,2,4-Trimethylbenzene	13.210	105	25725	13.834	ug/l	98
85) sec-Butylbenzene	13.210	105	25725	9.900	ug/l #	56
89) n-Butylbenzene	13.793	91	2209	1.067	ug/l #	80
90) Hexachloroethane	14.063	117	1505	4.086	ug/l #	15
95) Naphthalene	15.334	128	9291	7.754	ug/l	99

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

Quant Time: Dec 29 03:52:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 23 05:54:19 2022
Response via : Initial Calibration

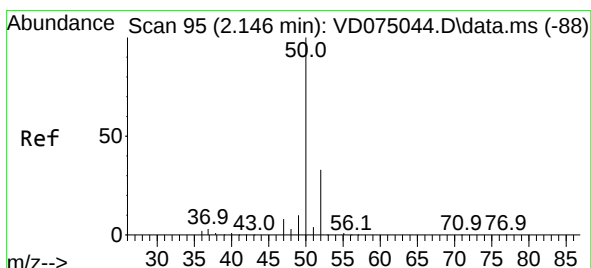
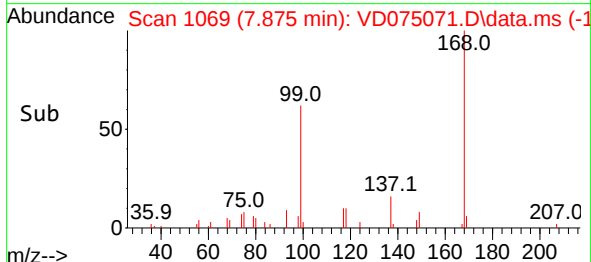
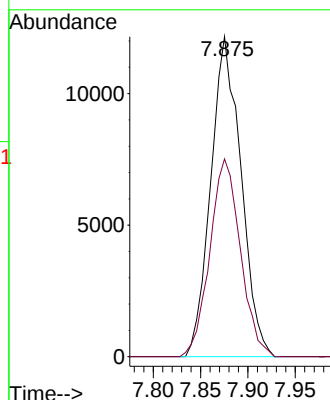
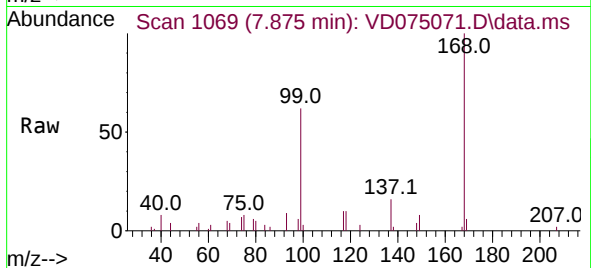




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

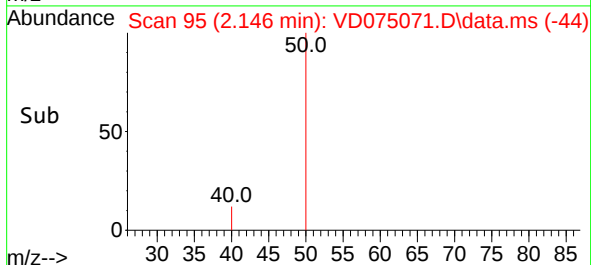
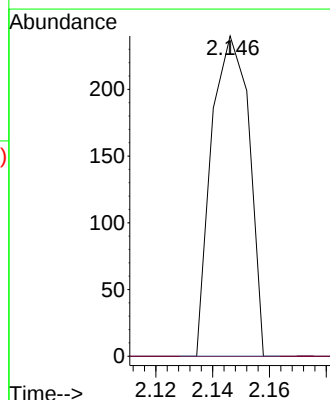
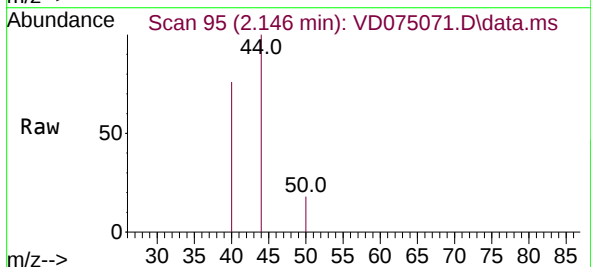
Instrument :
MSVOA_D
ClientSampleId :
VD1229

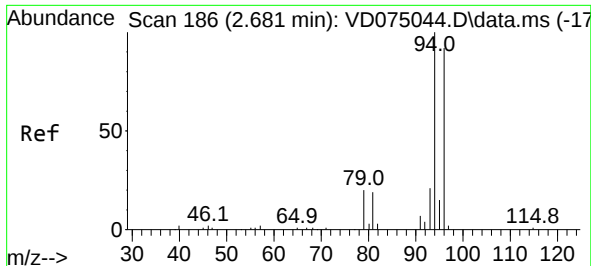
Tgt Ion:168 Resp: 26997
Ion Ratio Lower Upper
168 100
99 61.8 40.3 60.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

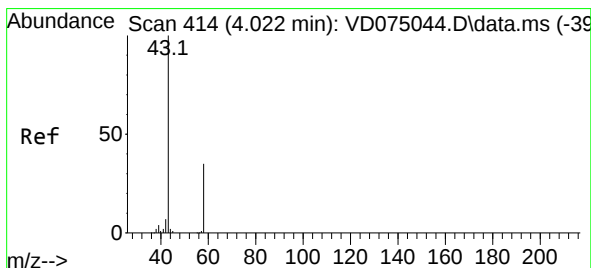
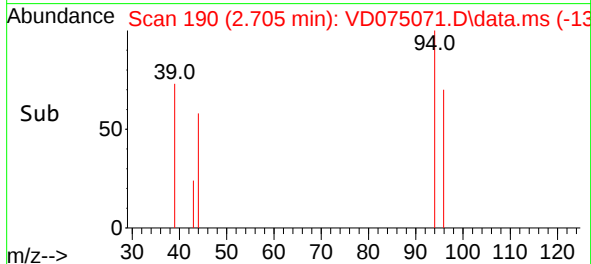
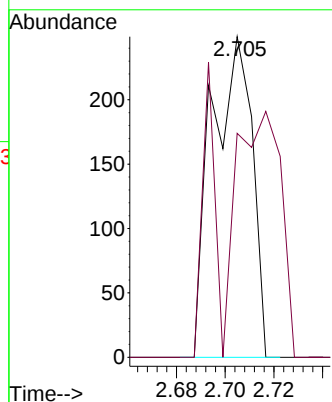
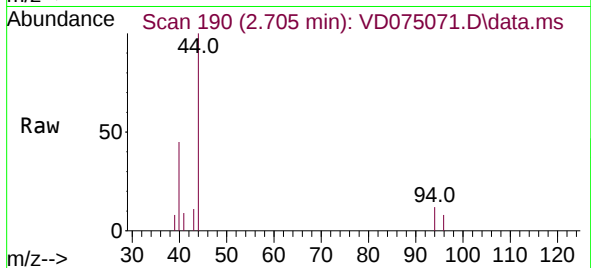




#5
Bromomethane
Concen: Below Cal
RT: 2.705 min Scan# 190
Delta R.T. 0.024 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

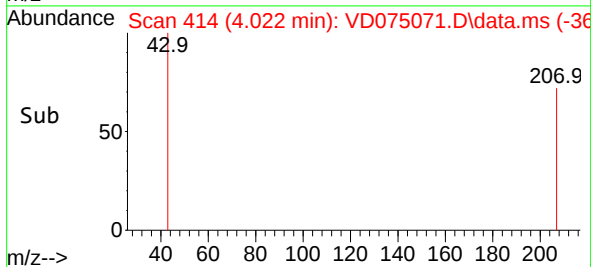
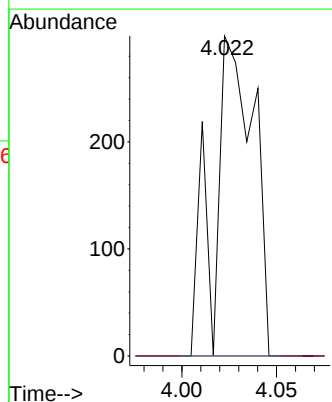
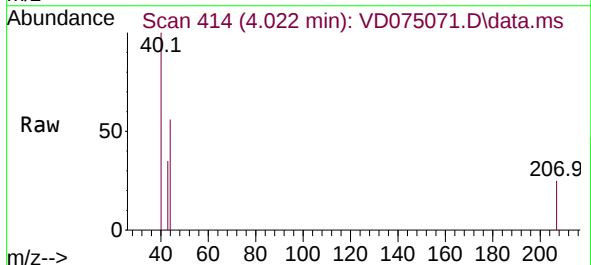
Instrument :
MSVOA_D
ClientSampleId :
VD1229

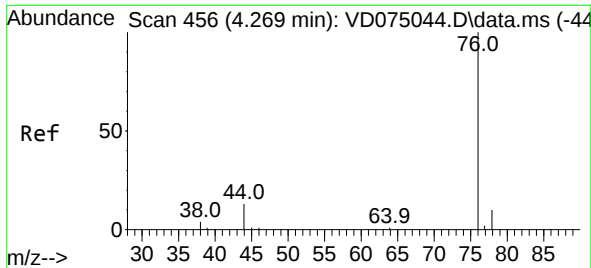
Tgt Ion: 94 Resp: 286
Ion Ratio Lower Upper
94 100
96 84.3 75.2 112.8



#16
Acetone
Concen: 6.391 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

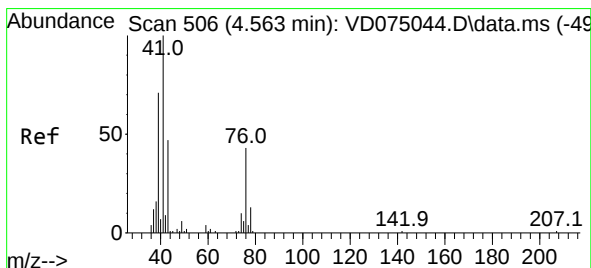
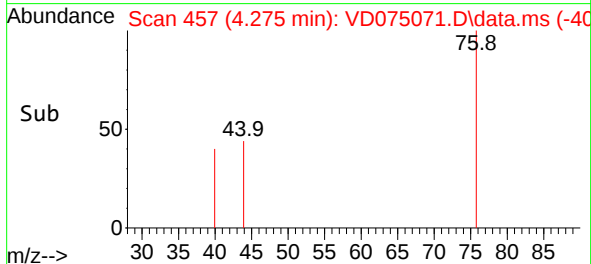
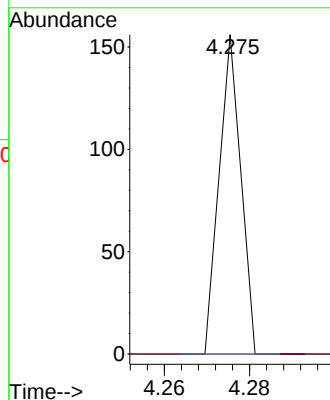
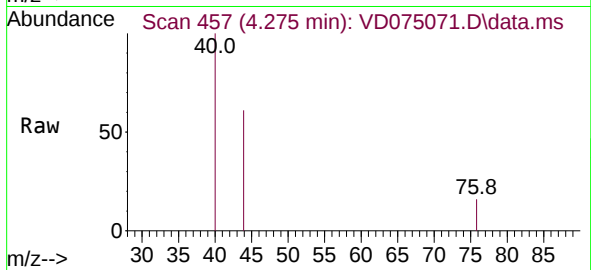




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.275 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

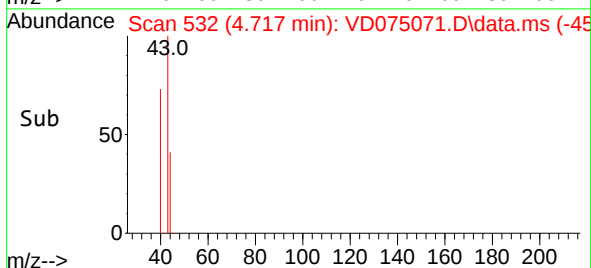
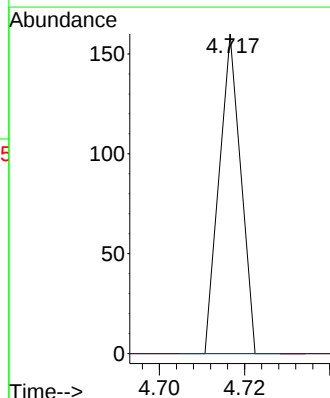
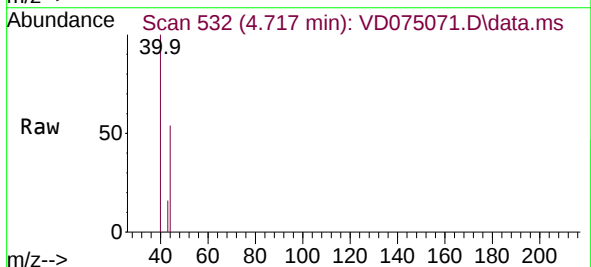
Instrument :
MSVOA_D
ClientSampleId :
VD1229

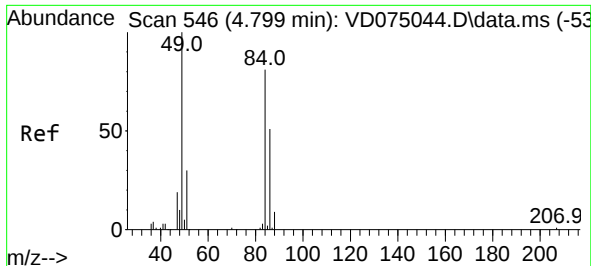
Tgt Ion: 76 Resp: 55
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.717 min Scan# 532
Delta R.T. 0.153 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. 0.006 min

Lab File: VD075071.D

Acq: 28 Dec 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

VD1229

Tgt Ion: 84 Resp: 1454

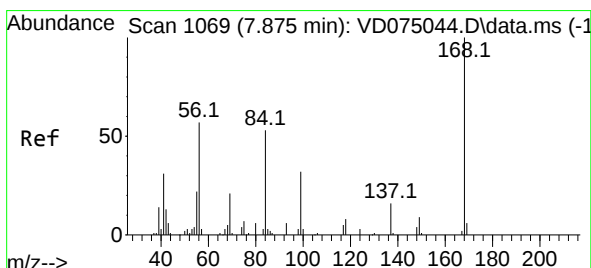
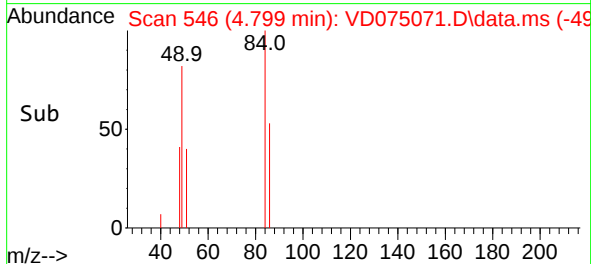
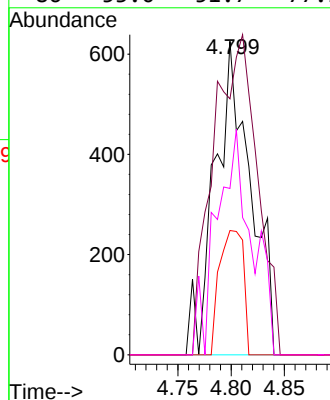
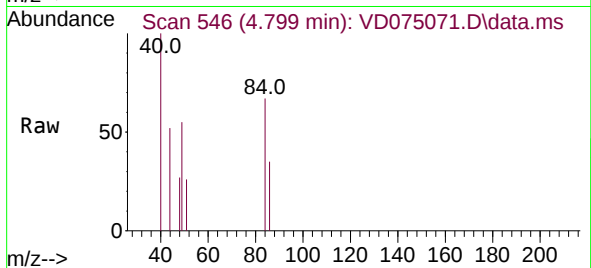
Ion Ratio Lower Upper

84 100

49 81.6 77.2 115.8

51 39.6 24.1 36.1#

86 53.0 51.7 77.5



#31

Cyclohexane

Concen: Below Cal

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075071.D

Acq: 28 Dec 2022 17:43

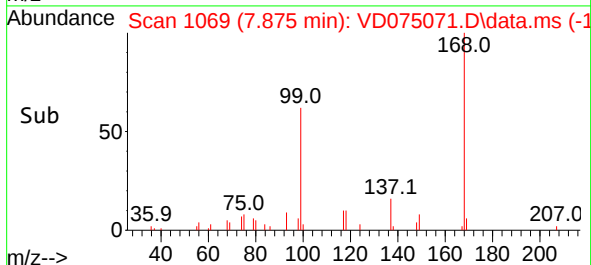
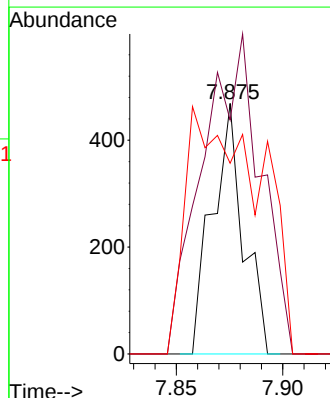
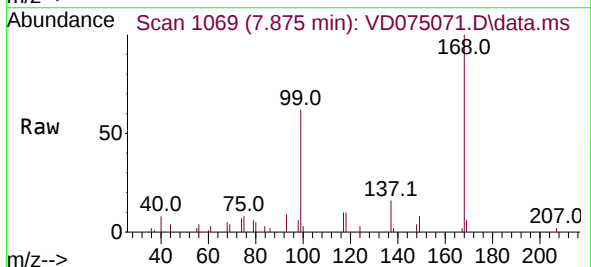
Tgt Ion: 56 Resp: 478

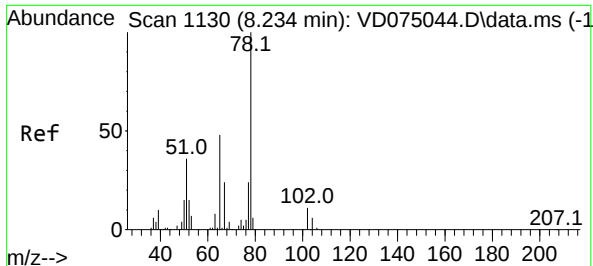
Ion Ratio Lower Upper

56 100

69 60.1 29.4 44.2#

84 38.2 81.8 122.8#





#33

1,2-Dichloroethane-d4

Concen: 97.784 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD075071.D

Acq: 28 Dec 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

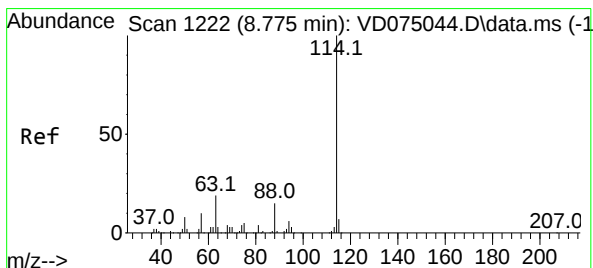
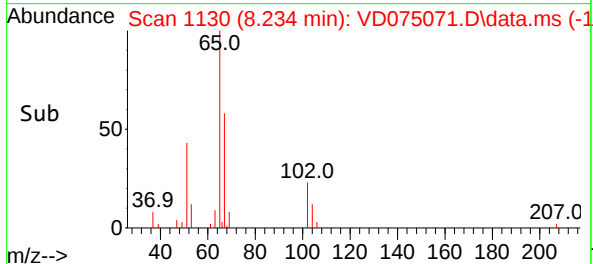
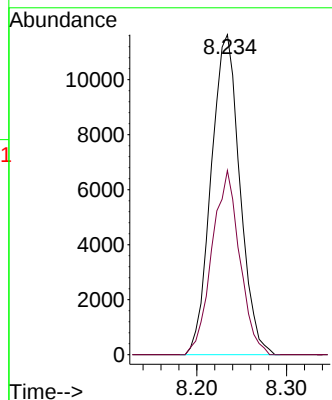
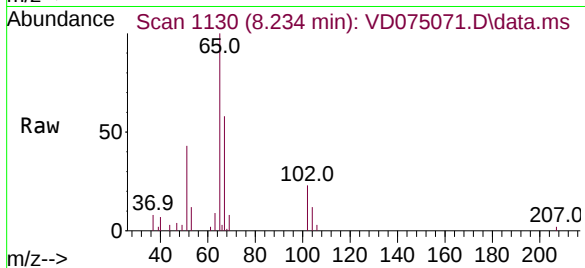
VD1229

Tgt Ion: 65 Resp: 25804

Ion Ratio Lower Upper

65 100

67 55.7 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075071.D

Acq: 28 Dec 2022 17:43

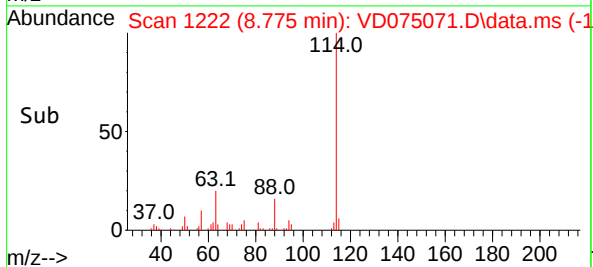
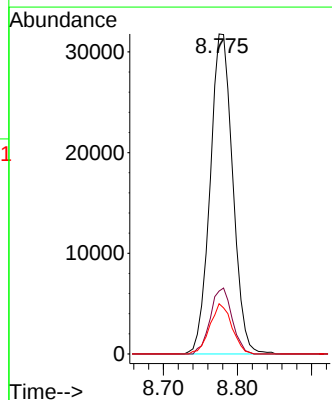
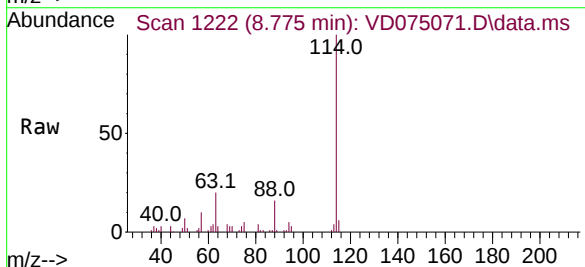
Tgt Ion: 114 Resp: 67347

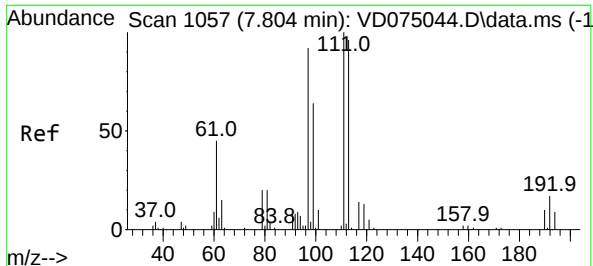
Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.8

88 15.7 0.0 27.8





#35

Dibromofluoromethane

Concen: 58.539 ug/l

RT: 7.805 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VD075071.D

Acq: 28 Dec 2022 17:43

Instrument :

MSVOA_D

ClientSampleId :

VD1229

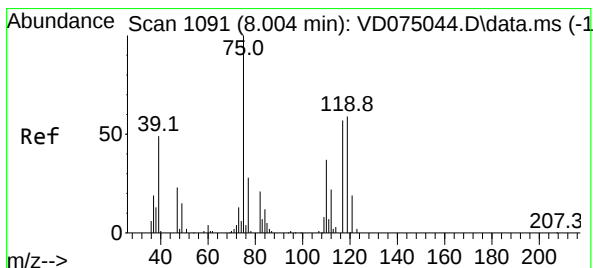
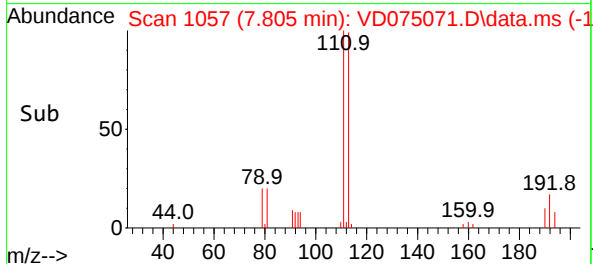
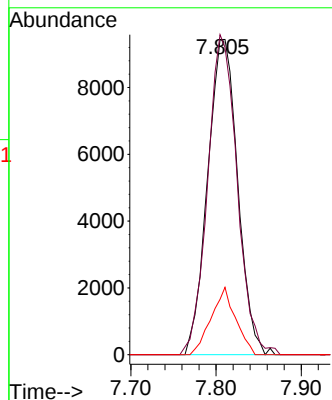
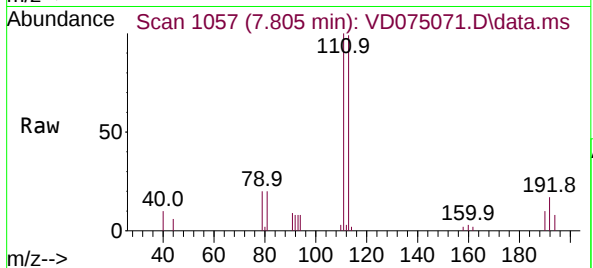
Tgt Ion:113 Resp: 23199

Ion Ratio Lower Upper

113 100

111 99.5 82.1 123.1

192 17.4 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.583 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD075071.D

Acq: 28 Dec 2022 17:43

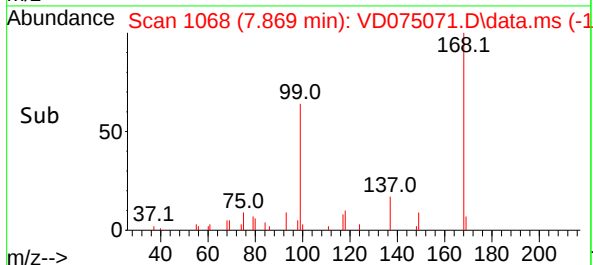
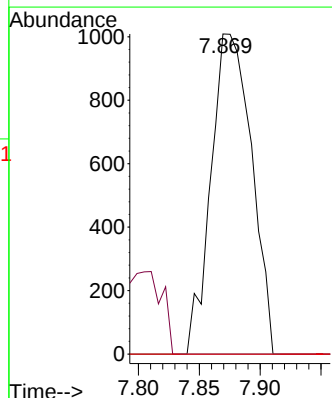
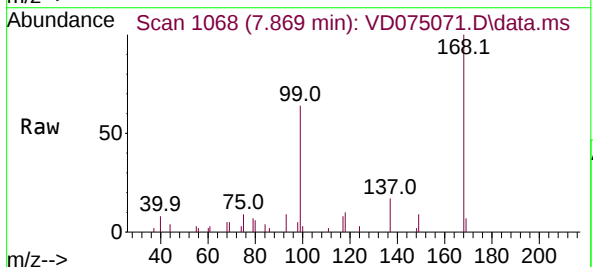
Tgt Ion: 75 Resp: 2346

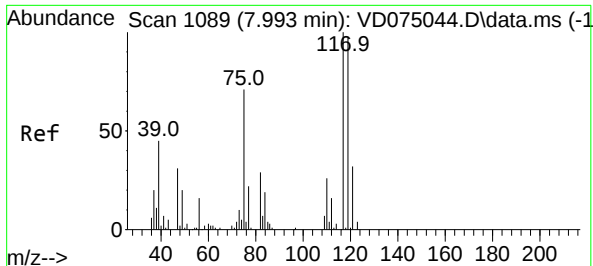
Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 0.0 25.2 37.8#

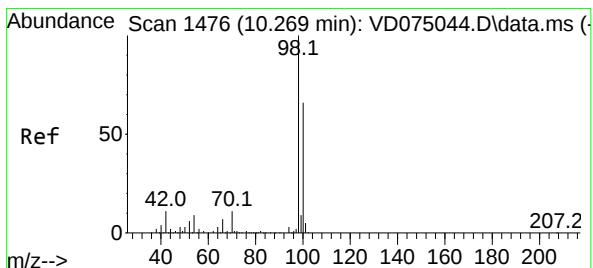
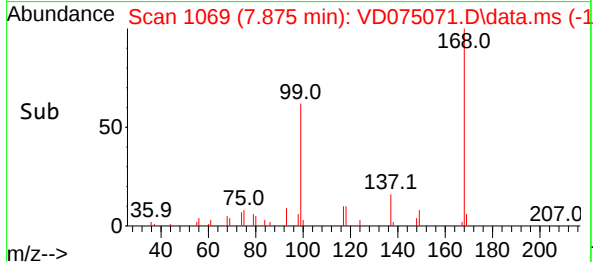
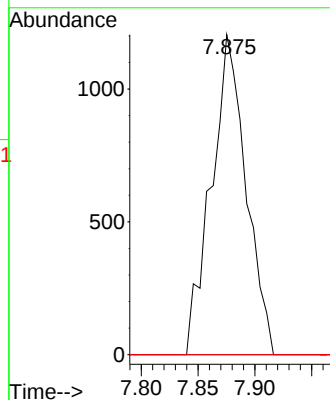
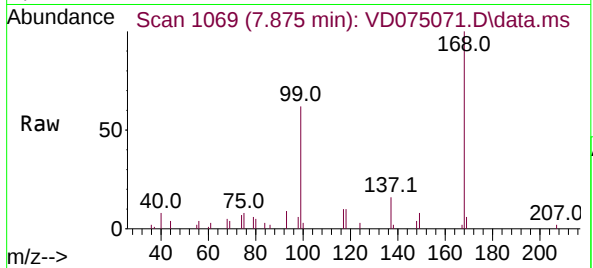




#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

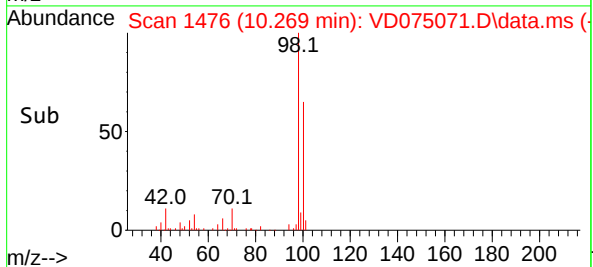
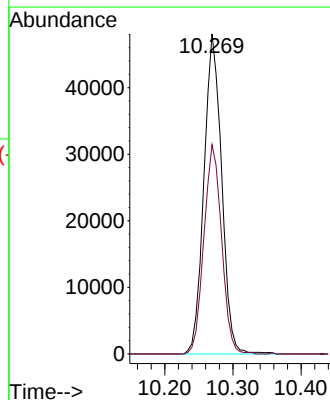
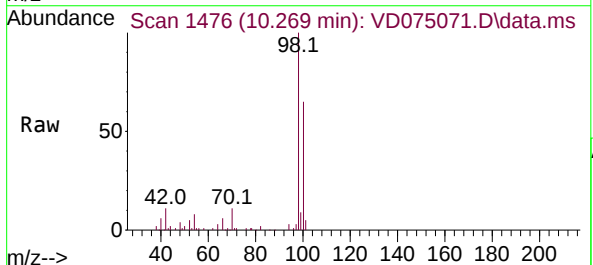
Instrument :
MSVOA_D
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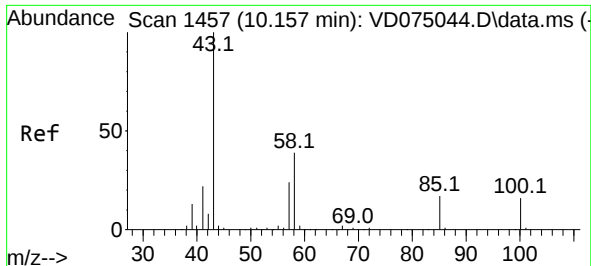
Tgt Ion:117 Resp: 2564
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 54.181 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion: 98 Resp: 86757
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2

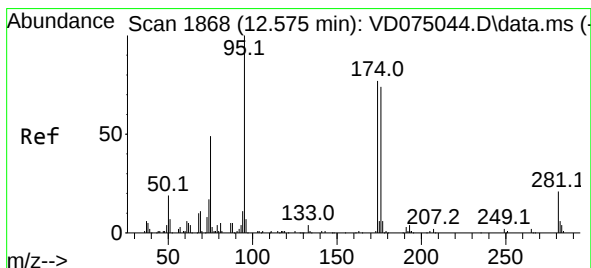
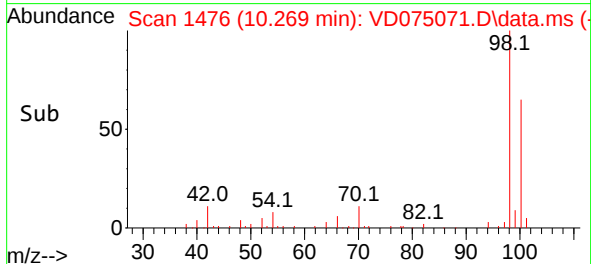
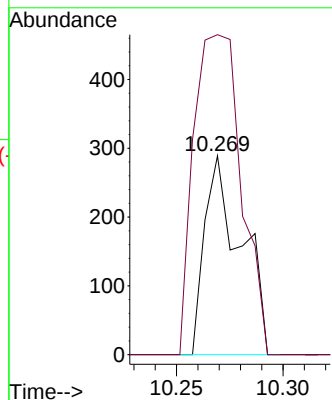
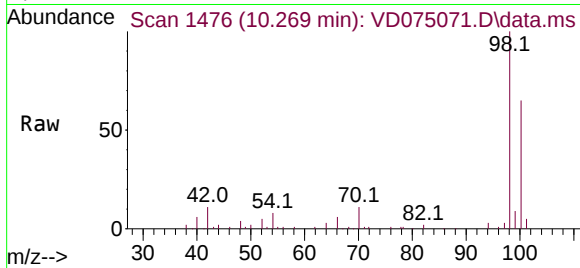




#51
4-Methyl-2-Pentanone
Concen: 1.335 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

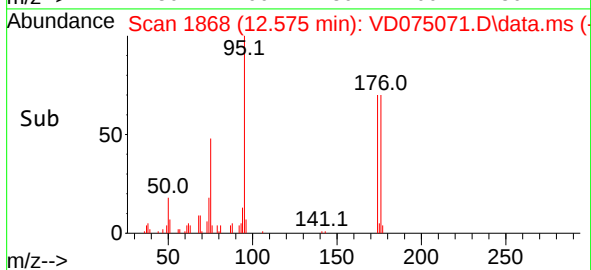
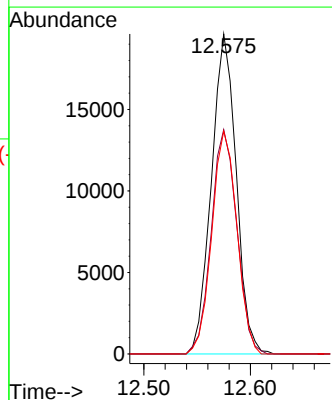
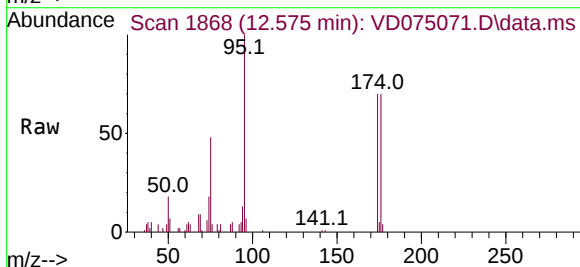
Instrument :
MSVOA_D
ClientSampleId :
VD1229

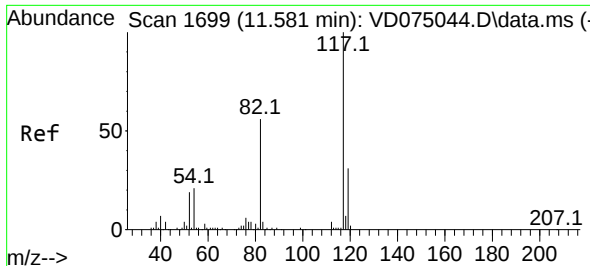
Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
58 211.1 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 61.169 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion: 95 Resp: 31731
Ion Ratio Lower Upper
95 100
174 72.2 0.0 171.2
176 70.4 0.0 165.0

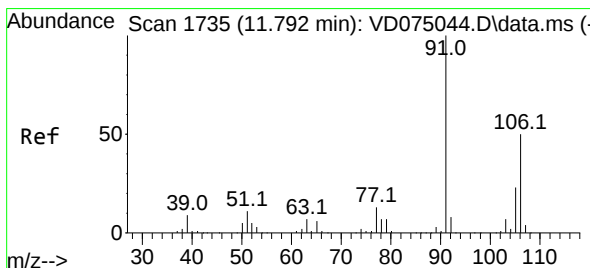
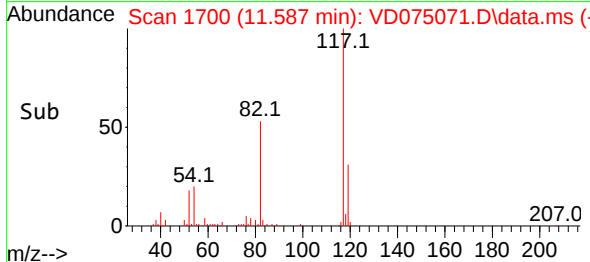
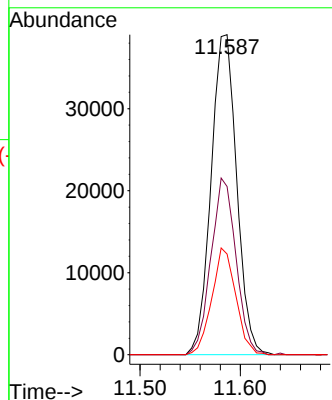
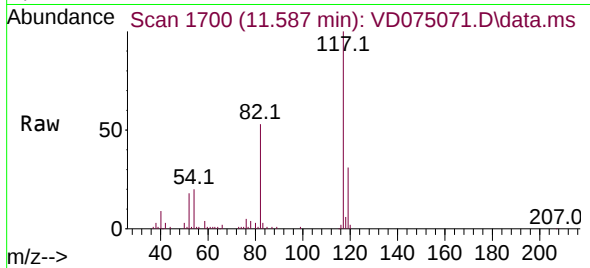




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

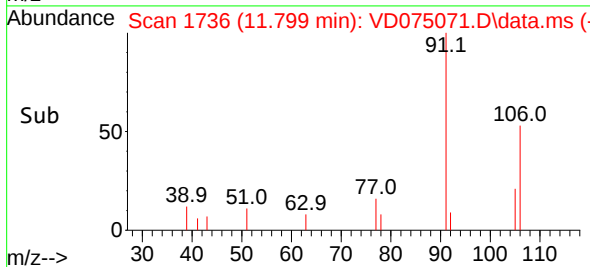
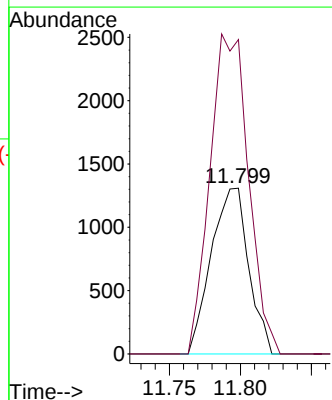
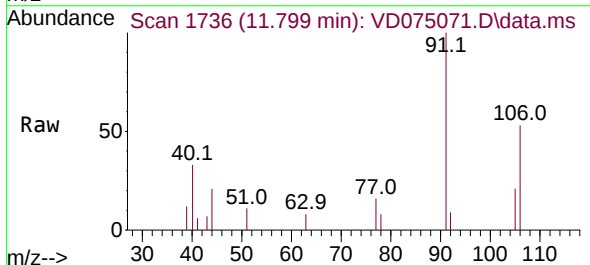
Instrument :
MSVOA_D
ClientSampleId :
VD1229

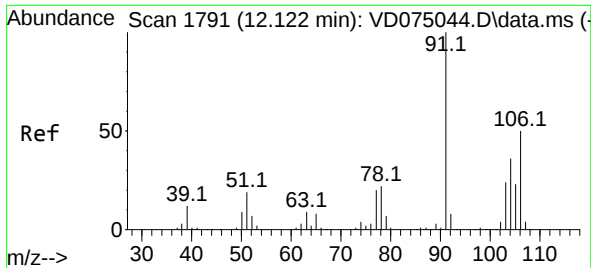
Tgt Ion:117 Resp: 69283
Ion Ratio Lower Upper
117 100
82 52.5 40.9 61.3
119 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 2.731 ug/l
RT: 11.799 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion:106 Resp: 2398
Ion Ratio Lower Upper
106 100
91 198.8 156.3 234.5

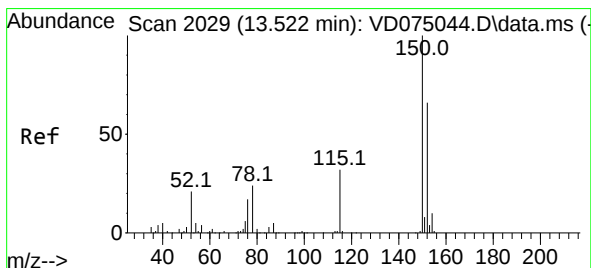
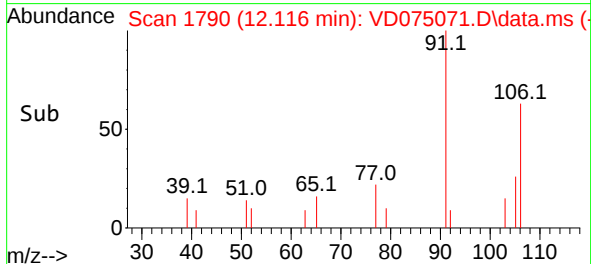
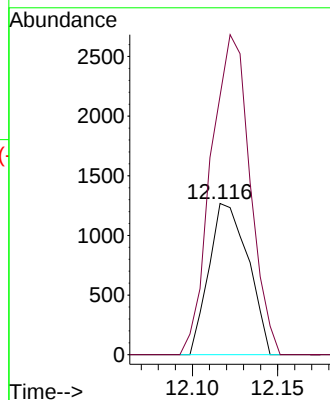
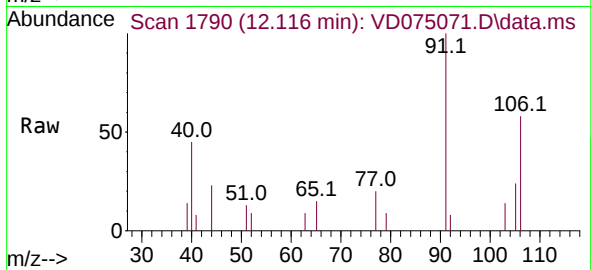




#69
o-Xylene
Concen: 2.402 ug/l
RT: 12.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

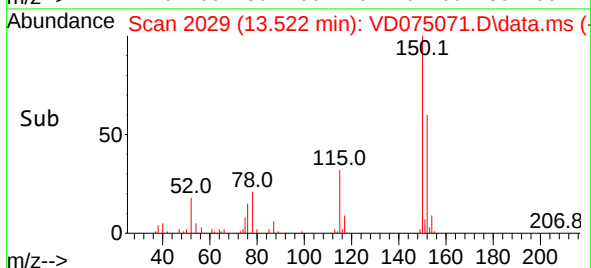
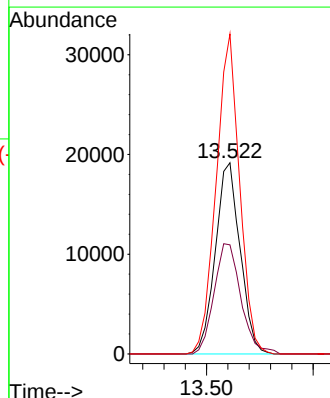
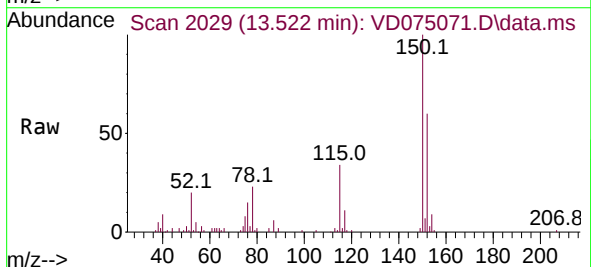
Instrument :
MSVOA_D
ClientSampleId :
VD1229

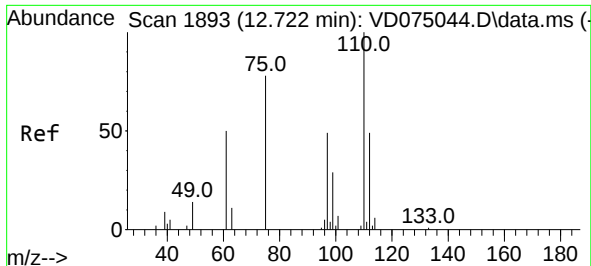
Tgt Ion:106 Resp: 2029
Ion Ratio Lower Upper
106 100
91 210.4 102.7 308.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion:152 Resp: 30922
Ion Ratio Lower Upper
152 100
115 62.4 28.8 86.5
150 158.2 0.0 354.2

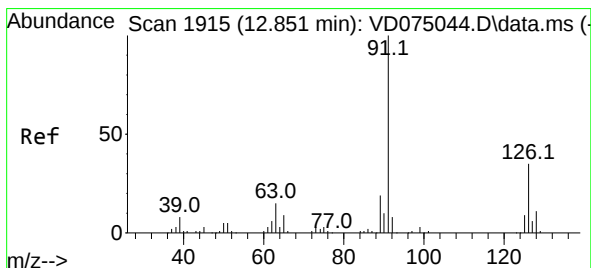
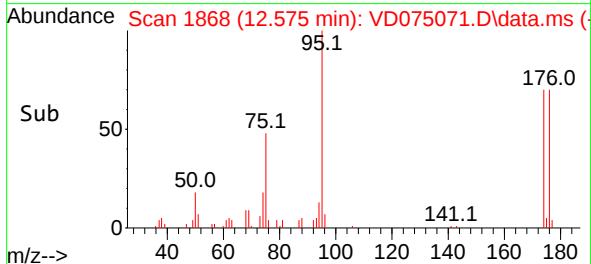
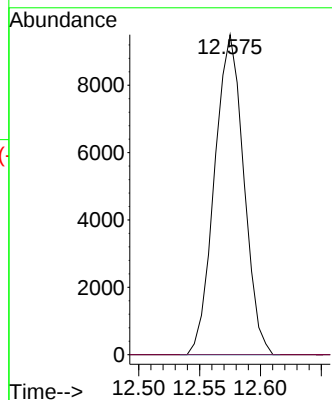
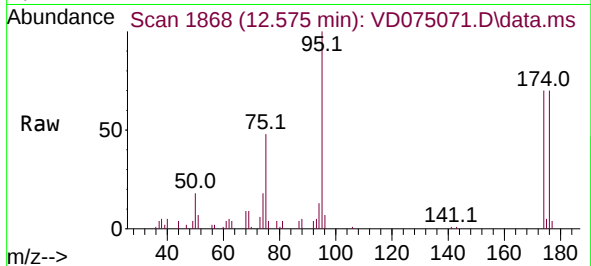




#76
1,2,3-Trichloropropane
Concen: 50.098 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

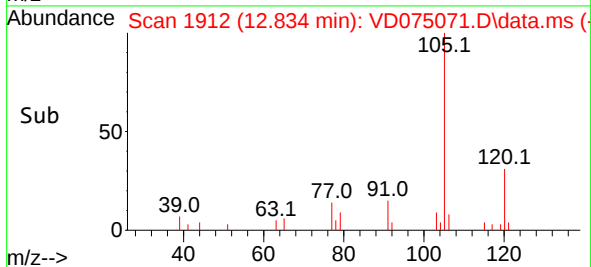
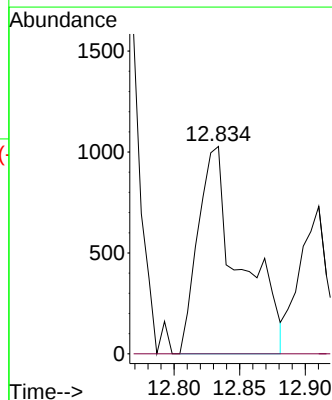
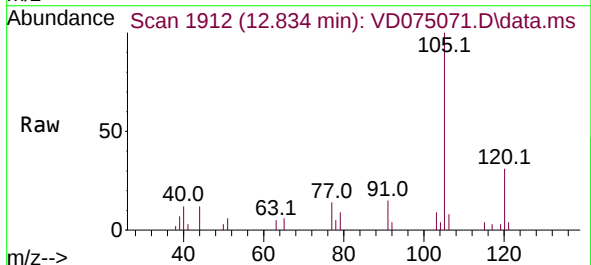
Instrument :
MSVOA_D
ClientSampleId :
VD1229

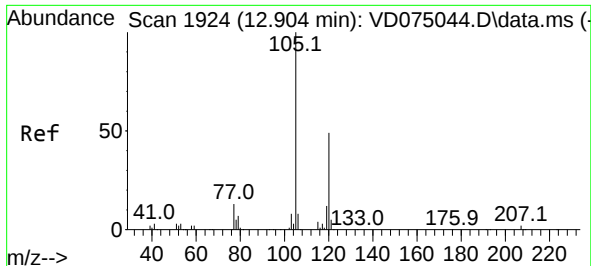
Tgt Ion: 75 Resp: 15884
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#79
2-Chlorotoluene
Concen: 1.453 ug/l
RT: 12.834 min Scan# 1912
Delta R.T. -0.017 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion: 91 Resp: 2305
Ion Ratio Lower Upper
91 100
126 0.0 18.0 54.0#

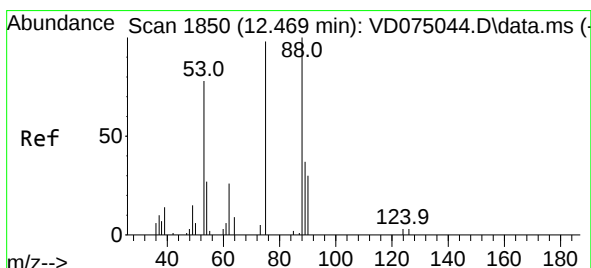
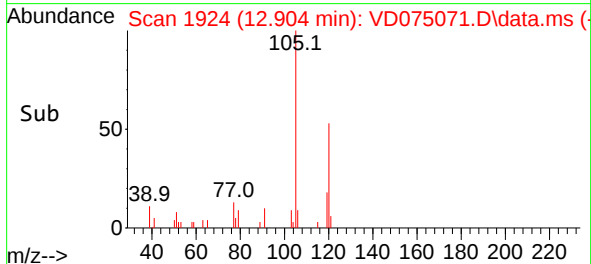
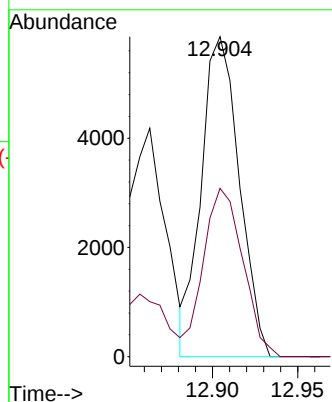
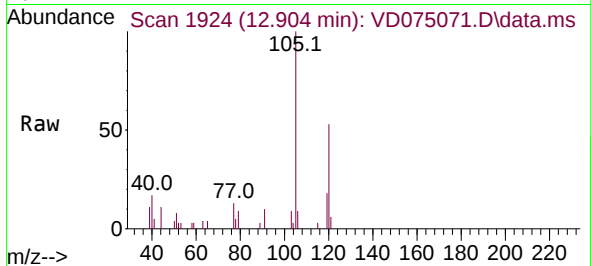




#80
 1,3,5-Trimethylbenzene
 Concen: 4.762 ug/l
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD075071.D
 Acq: 28 Dec 2022 17:43

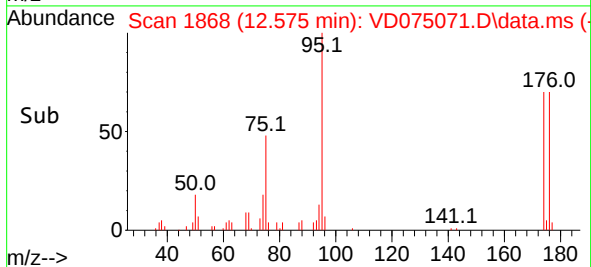
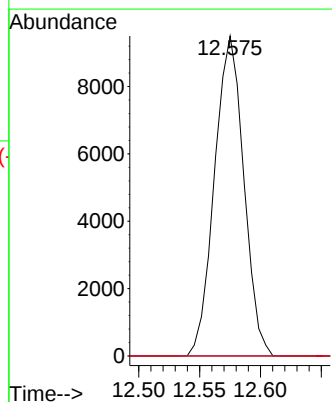
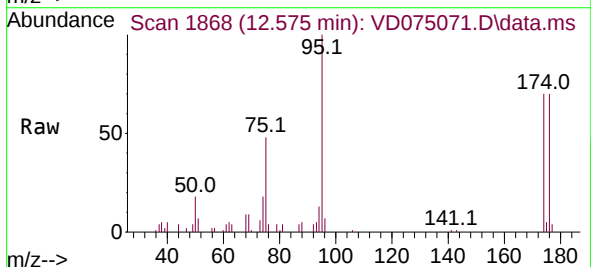
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1229

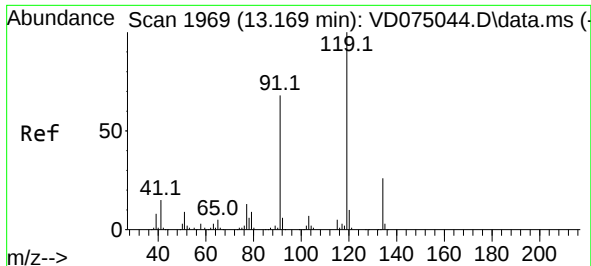
Tgt Ion:105 Resp: 9104
 Ion Ratio Lower Upper
 105 100
 120 54.6 25.1 75.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.110 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD075071.D
 Acq: 28 Dec 2022 17:43

Tgt Ion: 75 Resp: 15884
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.0 90.0#
 89 0.0 37.4 56.0#

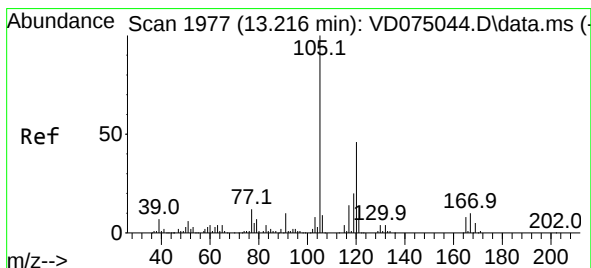
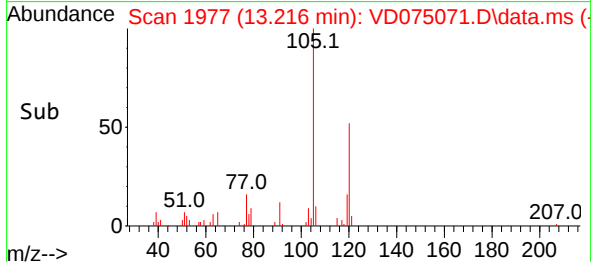
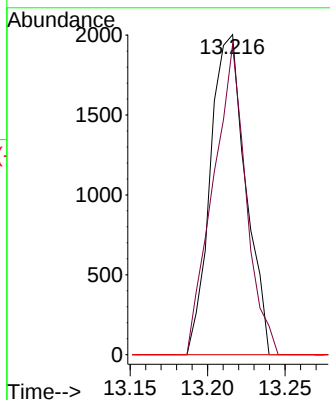
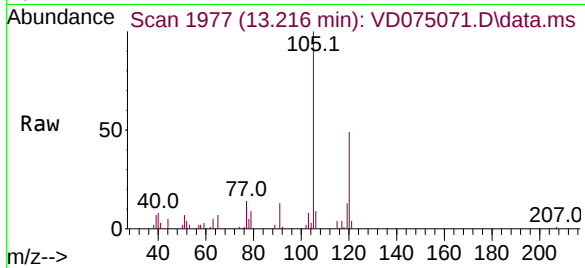




#83
tert-Butylbenzene
Concen: 1.875 ug/l
RT: 13.216 min Scan# 1969
Delta R.T. 0.047 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

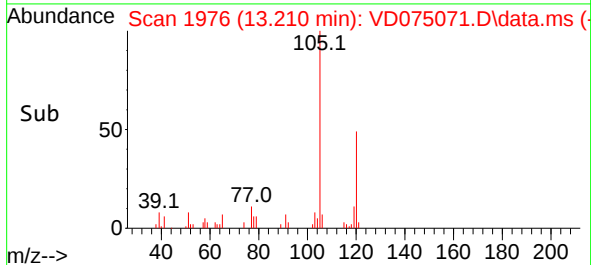
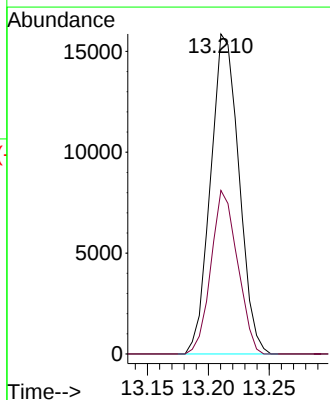
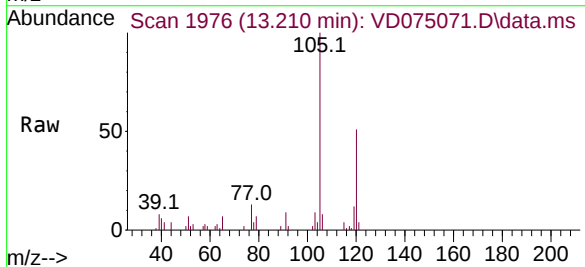
Instrument :
MSVOA_D
ClientSampleId :
VD1229

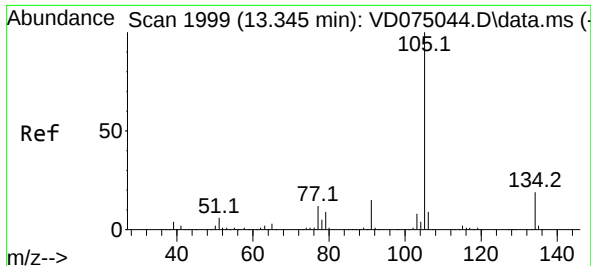
Tgt Ion:119 Resp: 3173
Ion Ratio Lower Upper
119 100
91 90.6 31.2 93.6
134 0.0 13.8 41.3#



#84
1,2,4-Trimethylbenzene
Concen: 13.834 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion:105 Resp: 25725
Ion Ratio Lower Upper
105 100
120 47.8 23.1 69.3

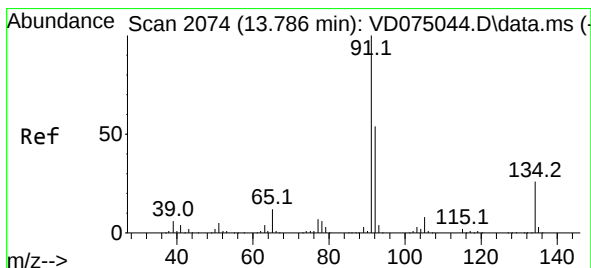
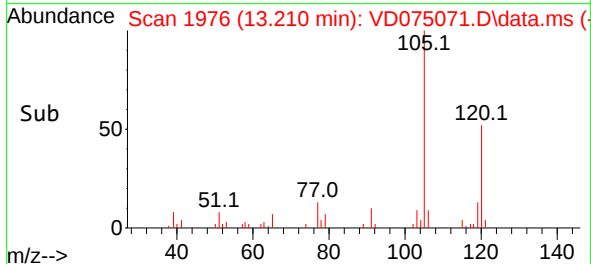
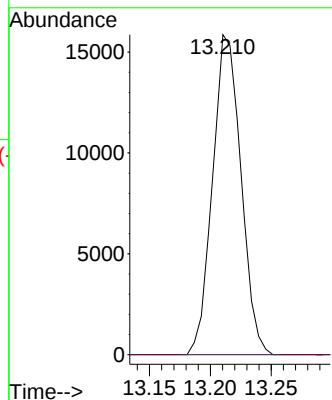
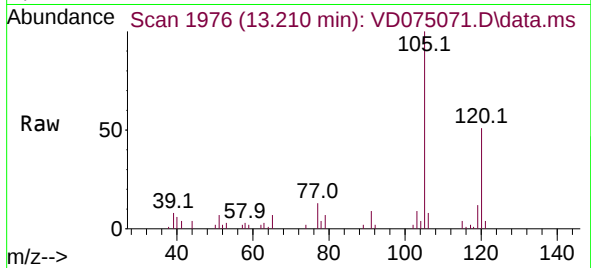




#85
 sec-Butylbenzene
 Concen: 9.900 ug/l
 RT: 13.210 min Scan# 1999
 Delta R.T. -0.135 min
 Lab File: VD075071.D
 Acq: 28 Dec 2022 17:43

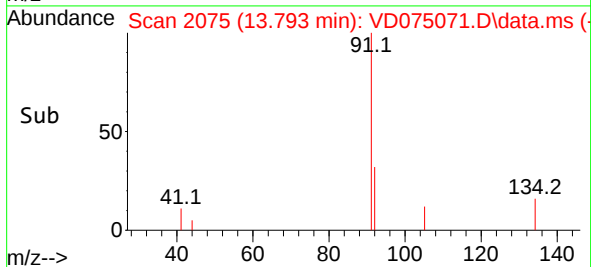
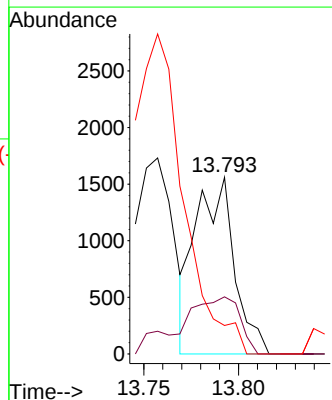
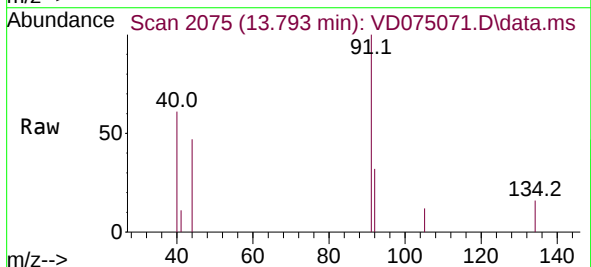
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1229

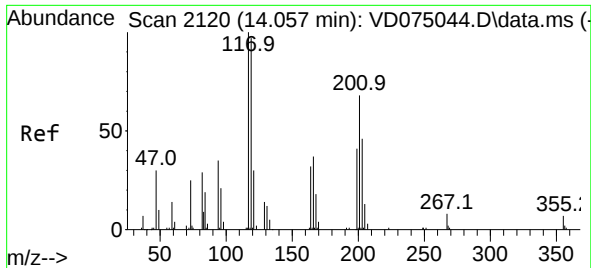
Tgt Ion:105 Resp: 25725
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#89
 n-Butylbenzene
 Concen: 1.067 ug/l
 RT: 13.793 min Scan# 2075
 Delta R.T. 0.006 min
 Lab File: VD075071.D
 Acq: 28 Dec 2022 17:43

Tgt Ion: 91 Resp: 2209
 Ion Ratio Lower Upper
 91 100
 92 50.0 26.8 80.3
 134 0.0 13.3 39.8#

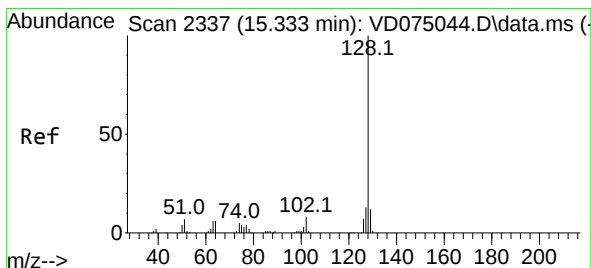
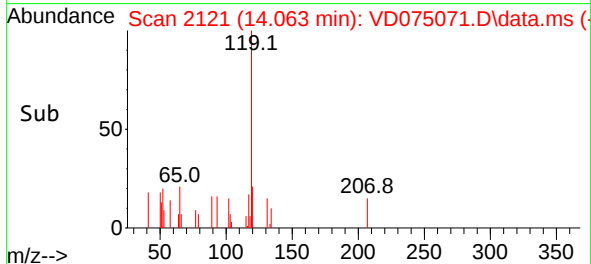
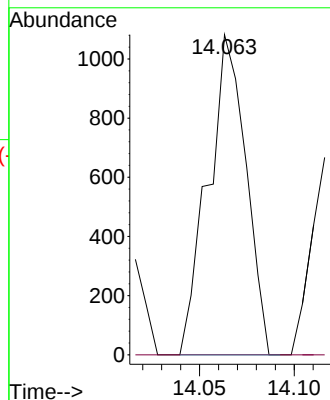
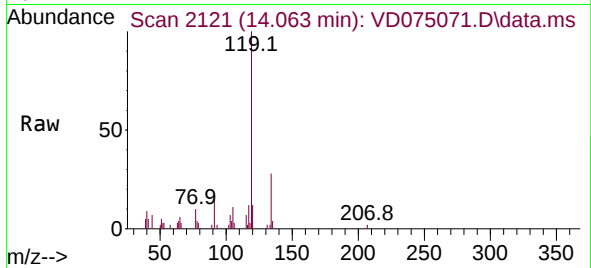




#90
Hexachloroethane
Concen: 4.086 ug/l
RT: 14.063 min Scan# 2120
Delta R.T. 0.012 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Instrument :
MSVOA_D
ClientSampleId :
VD1229

Tgt Ion:117 Resp: 1505
Ion Ratio Lower Upper
117 100
201 0.0 35.1 105.3#



#95
Naphthalene
Concen: 7.754 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD075071.D
Acq: 28 Dec 2022 17:43

Tgt Ion:128 Resp: 9291
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.2 8.7 13.1

