

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033122\
 Data File : VD072490.D
 Acq On : 31 Mar 2022 15:20
 Operator : VA/SY
 Sample : N2150-03
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 362

Quant Time: Apr 01 02:50:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

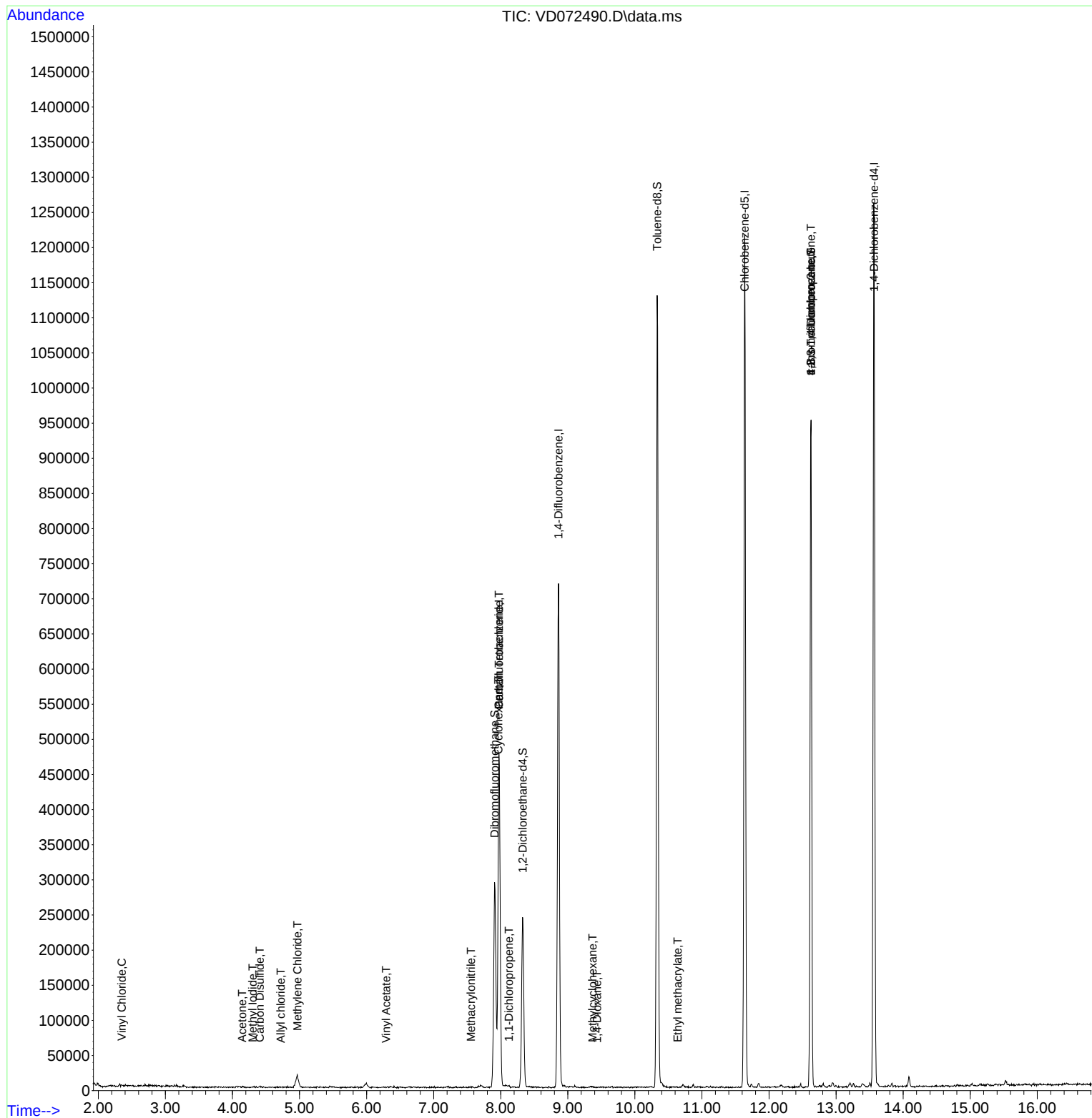
Internal Standards						
1) Pentafluorobenzene	7.973	168	340897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	621570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	687311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	337446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192928	46.784	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.560%		
35) Dibromofluoromethane	7.908	113	208987	43.264	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.520%		
50) Toluene-d8	10.332	98	772545	46.009	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.020%		
62) 4-Bromofluorobenzene	12.626	95	325510	49.638	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.280%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	339	1.066	ug/l #	43
10) Methyl Iodide	4.303	142	1176	4.029	ug/l #	48
14) Allyl chloride	4.720	41	419	1.203	ug/l #	37
16) Acetone	4.144	43	860	1.118	ug/l #	47
17) Carbon Disulfide	4.409	76	2959	4.040	ug/l #	74
20) Methylene Chloride	4.967	84	13027	2.846	ug/l #	74
23) Vinyl Acetate	6.291	43	128	6.308	ug/l #	75
31) Cyclohexane	7.967	56	7764	1.440	ug/l #	31
36) 1,1-Dichloropropene	8.120	75	987	1.280	ug/l #	58
38) Carbon Tetrachloride	7.973	117	36185	5.437	ug/l #	20
39) Methylcyclohexane	9.367	83	1102	3.021	ug/l #	59
41) Methacrylonitrile	7.556	41	80	1.710	ug/l #	27
49) 1,4-Dioxane	9.438	88	81	2.766	ug/l #	21
56) Ethyl methacrylate	10.638	69	61	1.204	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	167499	45.511	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	167499	111.676	ug/l #	7

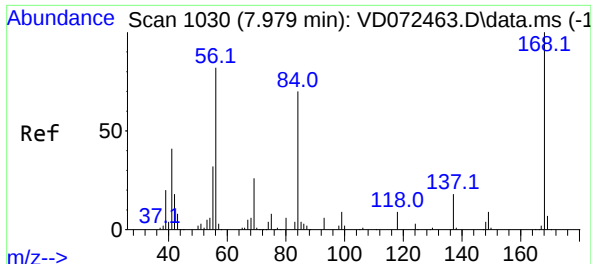
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033122\
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Quant Time: Apr 01 02:50:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
Response via : Initial Calibration

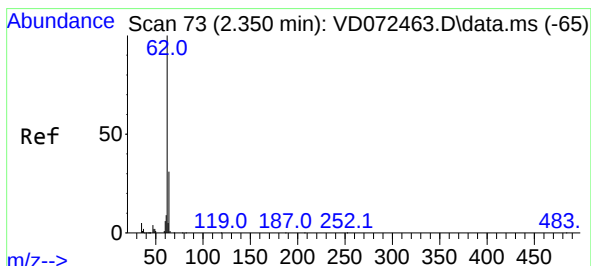
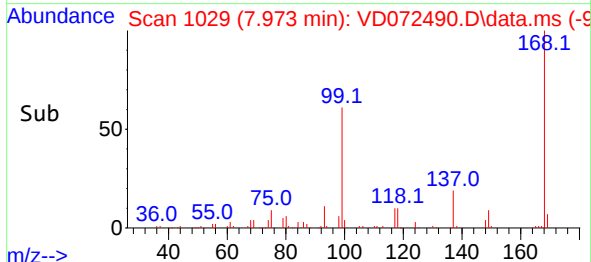
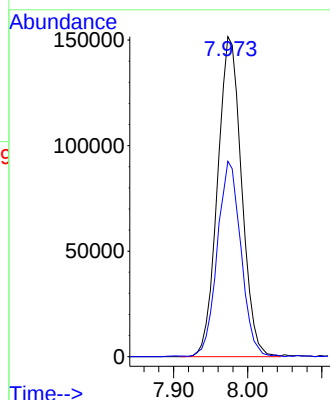
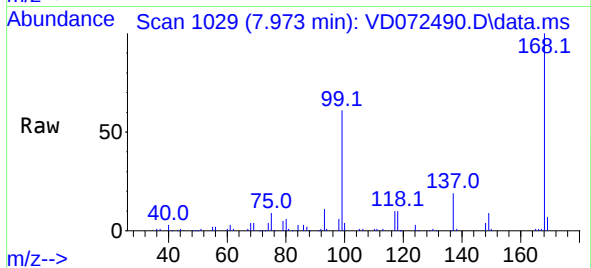




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

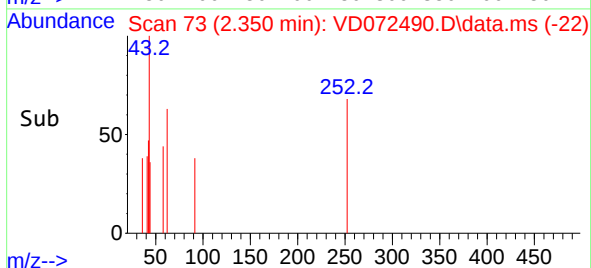
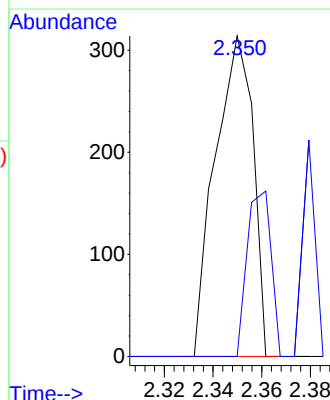
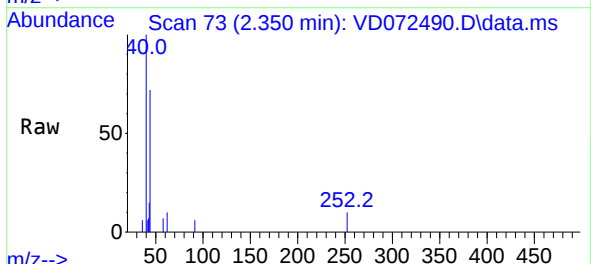
Instrument :
MSVOA_D
ClientSampleId :
362

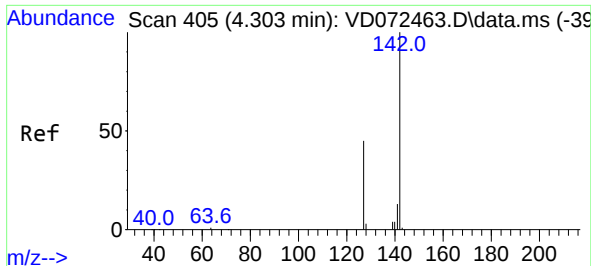
Tgt Ion:168 Resp: 340897
Ion Ratio Lower Upper
168 100
99 60.9 49.8 74.6



#4
Vinyl Chloride
Concen: 1.066 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion: 62 Resp: 339
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#





#10

Methyl Iodide

Concen: 4.029 ug/l

RT: 4.303 min Scan# 405

Delta R.T. -0.000 min

Lab File: VD072490.D

Acq: 31 Mar 2022 15:20

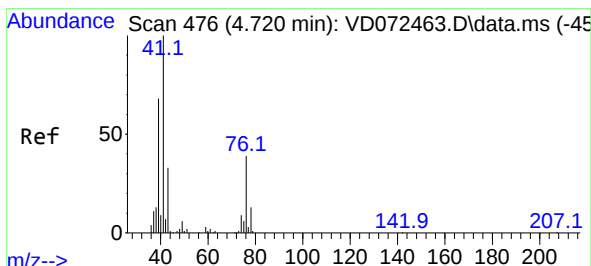
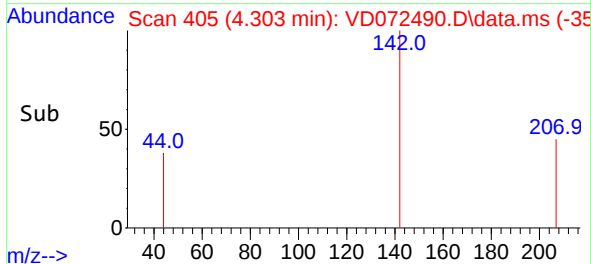
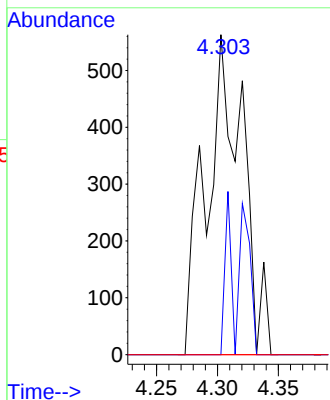
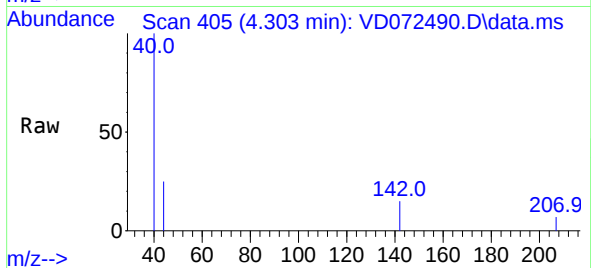
Instrument :

MSVOA_D

ClientSampleId :

362

Tgt Ion:	142	Resp:	1176
Ion	Ratio	Lower	Upper
142	100		
127	8.6	37.3	55.9#
141	0.0	11.7	17.5#



#14

Allyl chloride

Concen: 1.203 ug/l

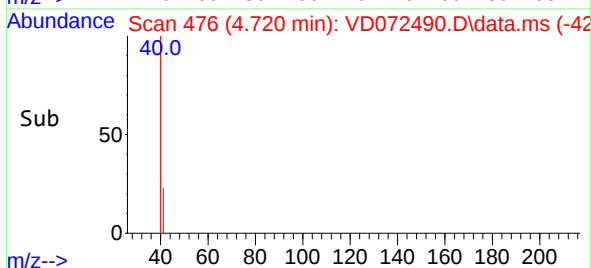
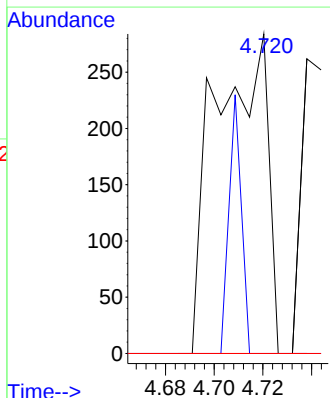
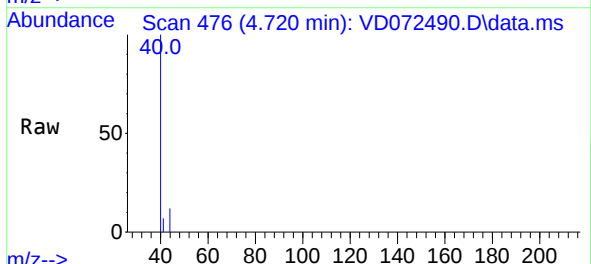
RT: 4.720 min Scan# 476

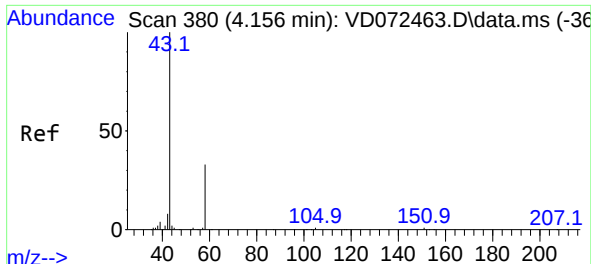
Delta R.T. 0.000 min

Lab File: VD072490.D

Acq: 31 Mar 2022 15:20

Tgt Ion:	41	Resp:	419
Ion	Ratio	Lower	Upper
41	100		
39	19.3	59.3	88.9#
76	0.0	25.7	38.5#

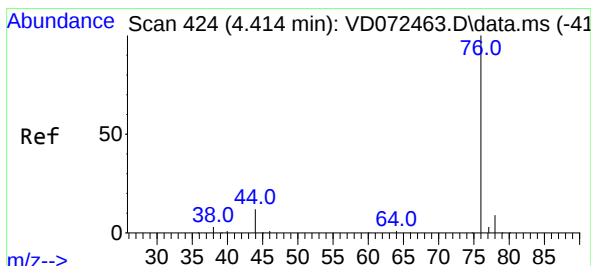
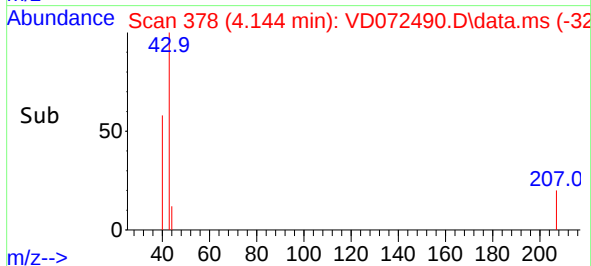
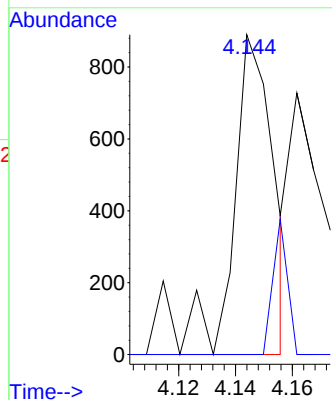
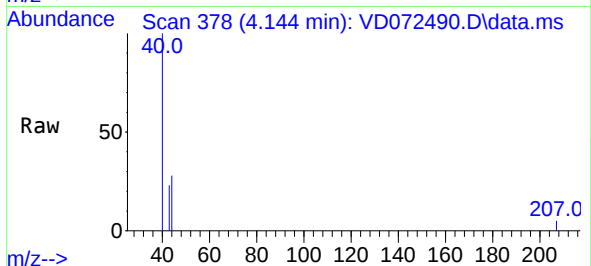




#16
Acetone
Concen: 1.118 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

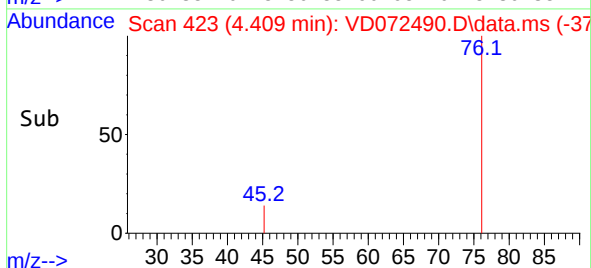
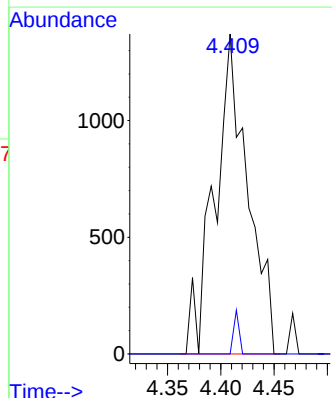
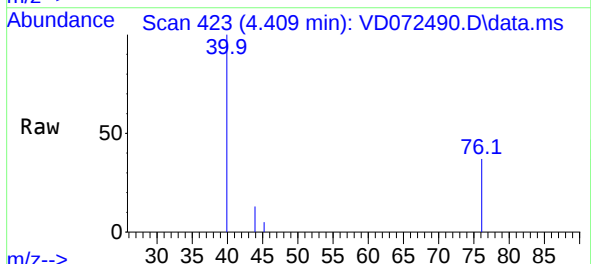
Instrument :
MSVOA_D
ClientSampleId :
362

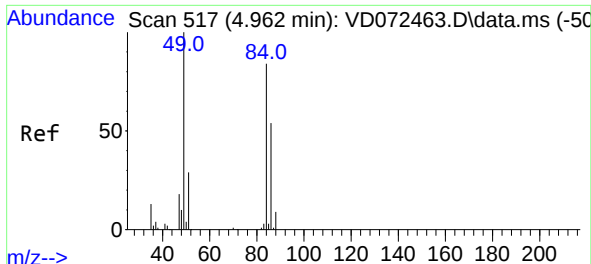
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.040 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion: 76 Resp: 2959
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

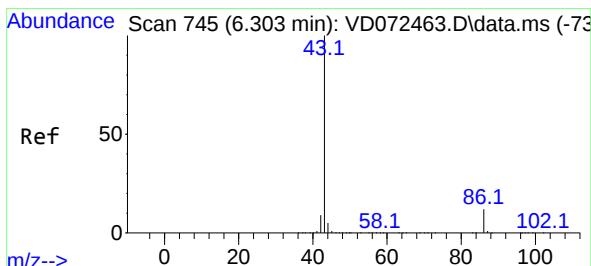
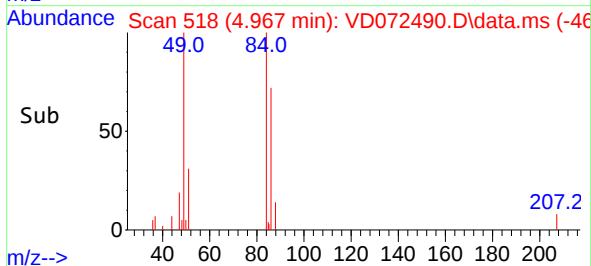
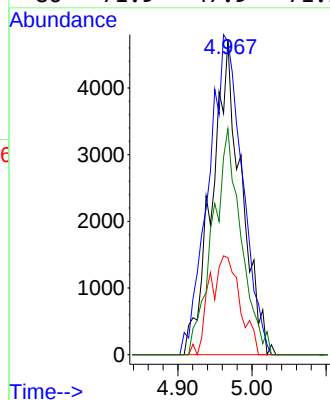
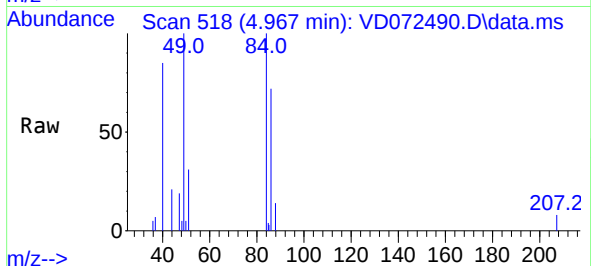




#20
Methylene Chloride
Concen: 2.846 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

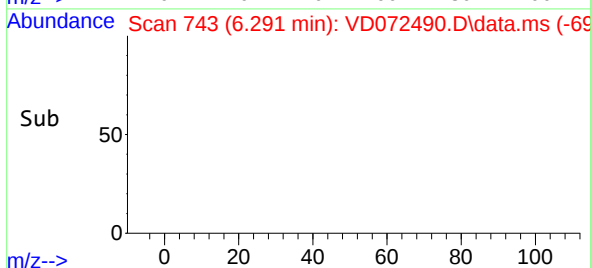
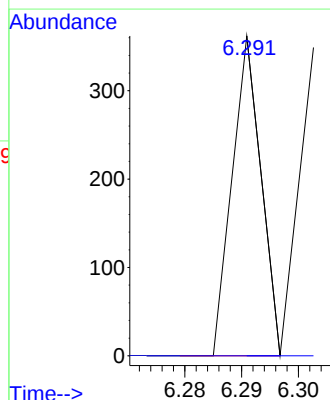
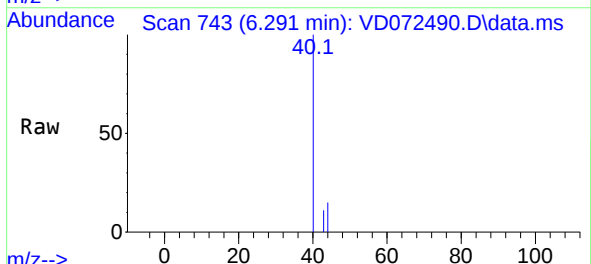
Instrument :
MSVOA_D
ClientSampleId :
362

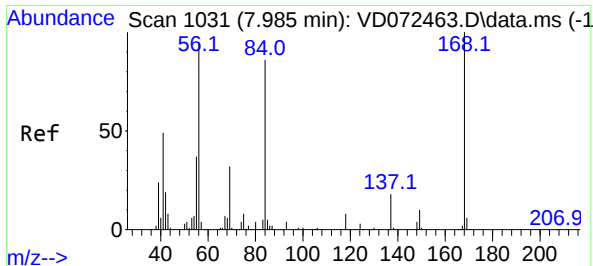
Tgt Ion:	84	Resp:	13027
Ion	Ratio	Lower	Upper
84	100		
49	99.6	112.8	169.2#
51	30.8	32.6	48.8#
86	71.9	47.9	71.9



#23
Vinyl Acetate
Concen: 6.308 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.012 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion:	43	Resp:	128
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#31

Cyclohexane

Concen: 1.440 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD072490.D

Acq: 31 Mar 2022 15:20

Instrument :

MSVOA_D

ClientSampleId :

362

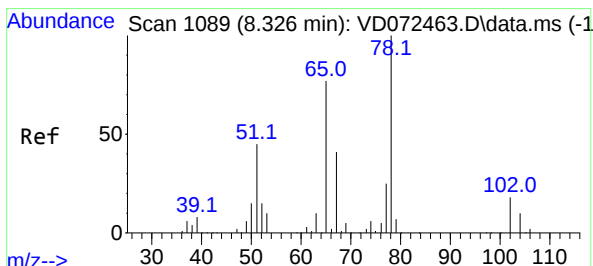
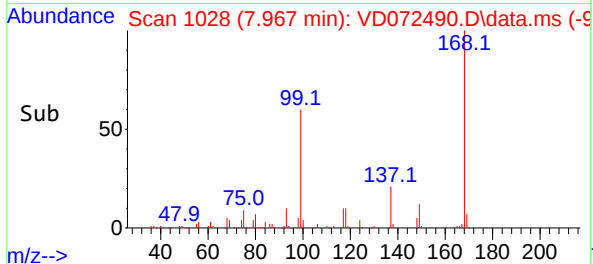
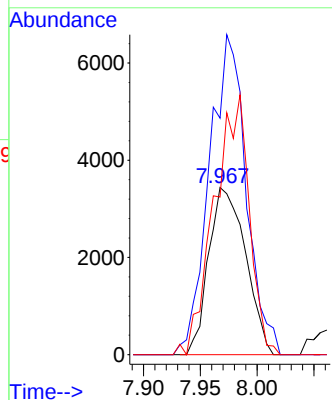
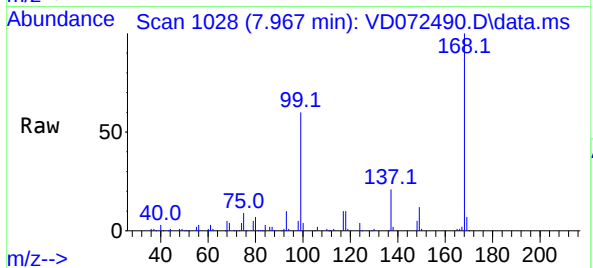
Tgt Ion: 56 Resp: 7764

Ion Ratio Lower Upper

56 100

69 141.5 25.4 38.2#

84 94.3 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 46.784 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072490.D

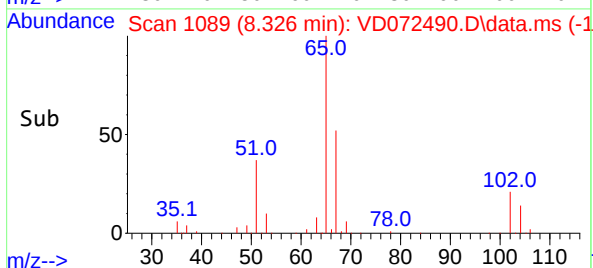
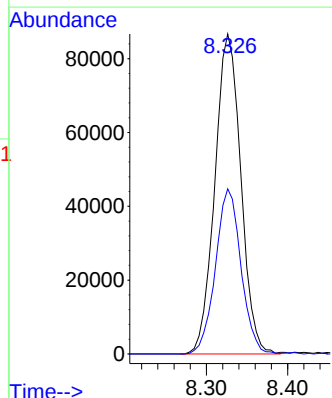
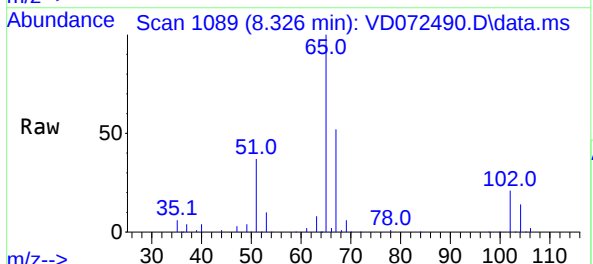
Acq: 31 Mar 2022 15:20

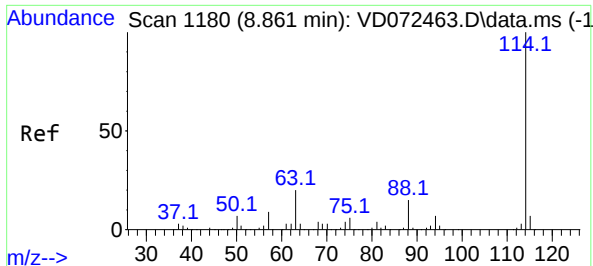
Tgt Ion: 65 Resp: 192928

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.4

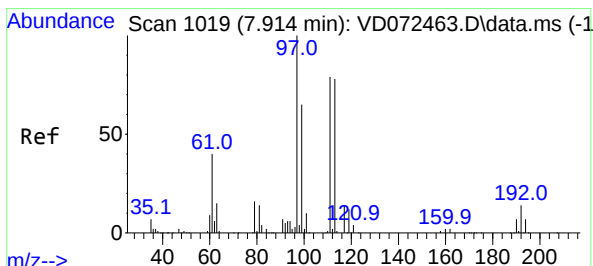
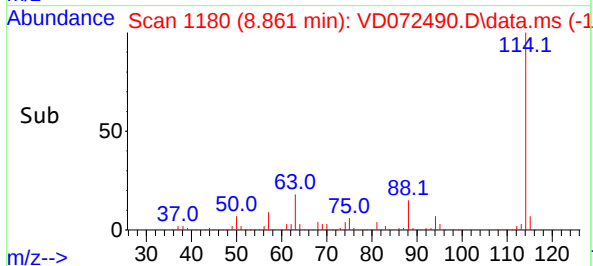
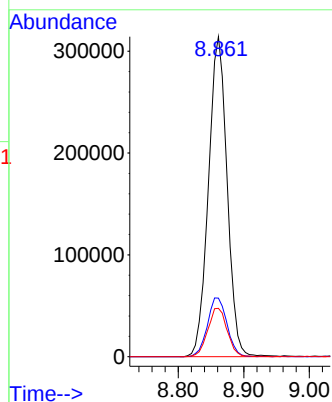
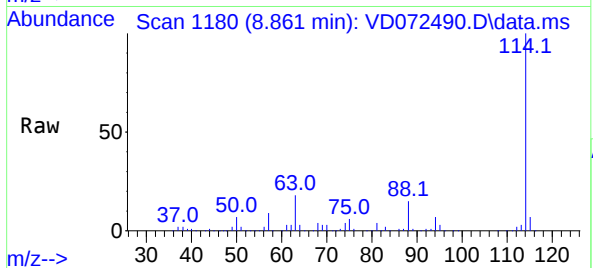




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

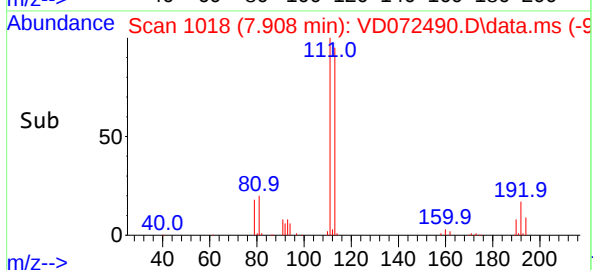
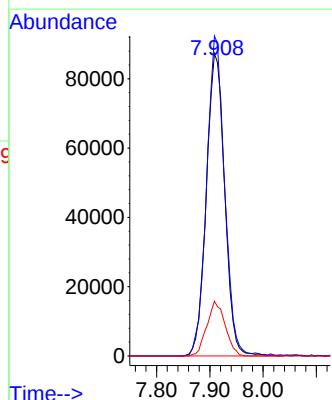
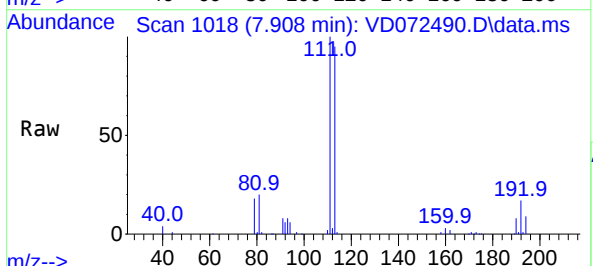
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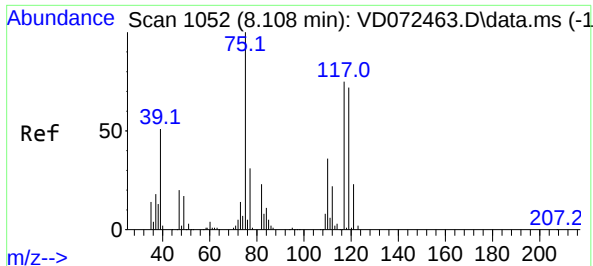
Tgt Ion:114 Resp: 621570
Ion Ratio Lower Upper
114 100
63 18.3 0.0 46.6
88 15.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 43.264 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion:113 Resp: 208987
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.280 ug/l

RT: 8.120 min Scan# 1054

Delta R.T. 0.012 min

Lab File: VD072490.D

Acq: 31 Mar 2022 15:20

Instrument :

MSVOA_D

ClientSampleId :

362

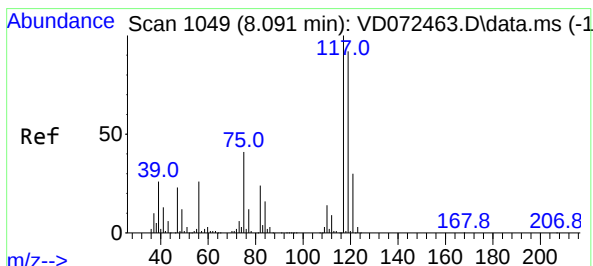
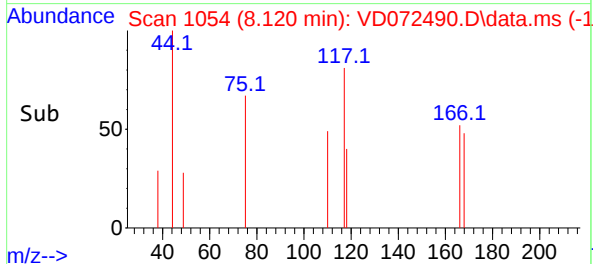
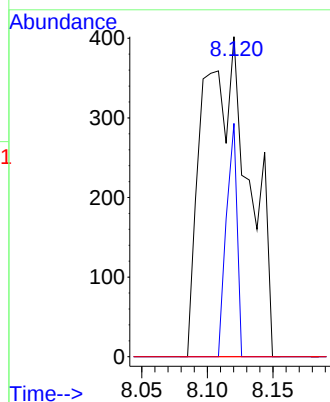
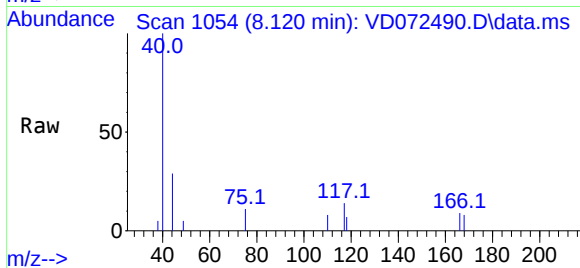
Tgt Ion: 75 Resp: 987

Ion Ratio Lower Upper

75 100

110 16.6 16.4 49.1

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.437 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072490.D

Acq: 31 Mar 2022 15:20

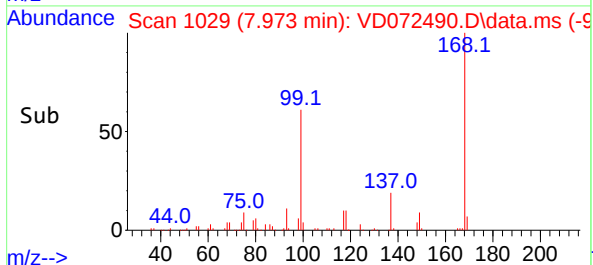
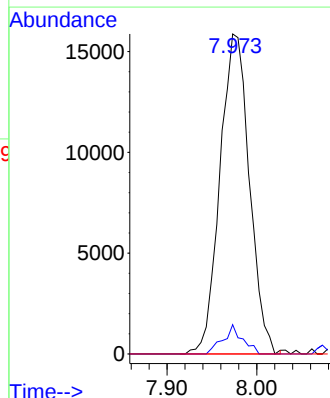
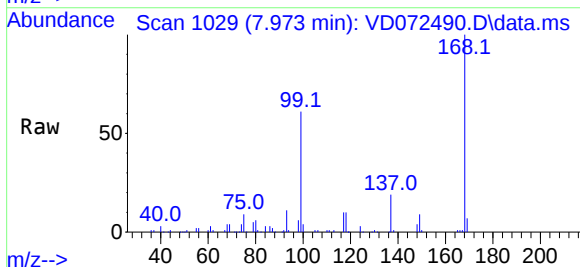
Tgt Ion: 117 Resp: 36185

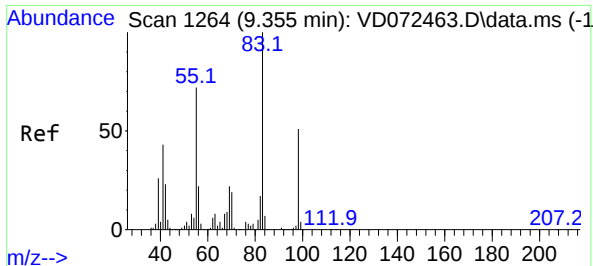
Ion Ratio Lower Upper

117 100

119 9.1 75.8 113.6#

121 0.0 24.5 36.7#

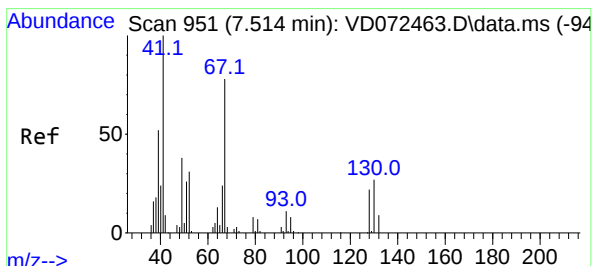
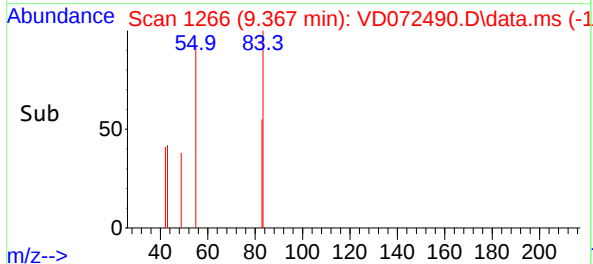
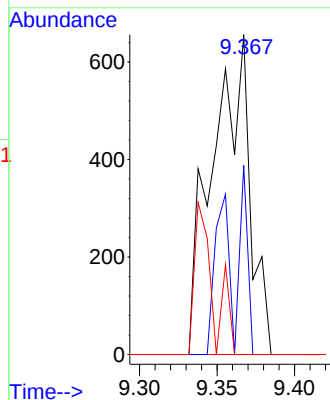
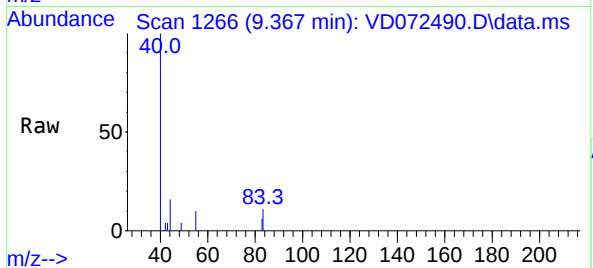




#39
Methylcyclohexane
Concen: 3.021 ug/l
RT: 9.367 min Scan# 110
Delta R.T. 0.012 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

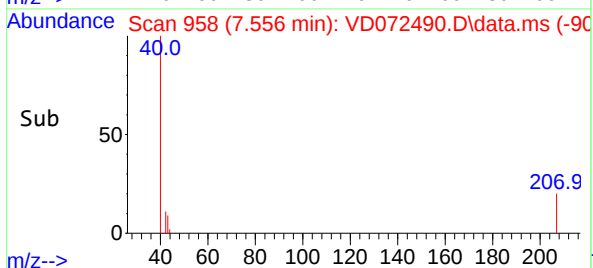
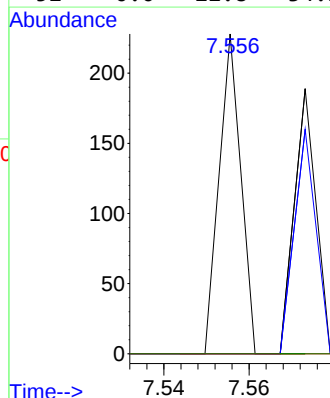
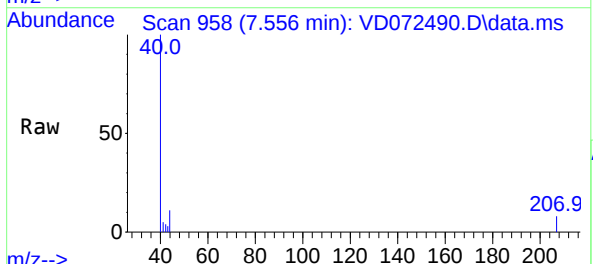
Instrument :
MSVOA_D
ClientSampleId :
362

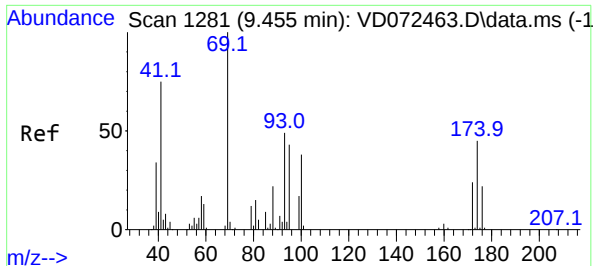
Tgt Ion: 83 Resp: 1102
Ion Ratio Lower Upper
83 100
55 59.1 63.2 94.8#
98 0.0 38.2 57.4#



#41
Methacrylonitrile
Concen: 1.710 ug/l
RT: 7.556 min Scan# 958
Delta R.T. 0.042 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion: 41 Resp: 80
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

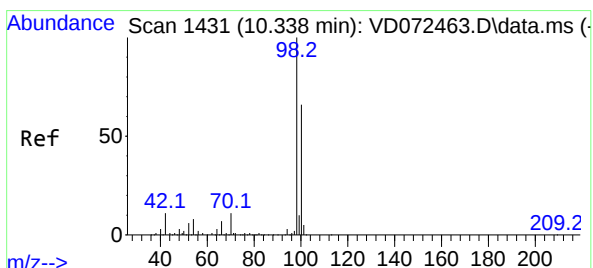
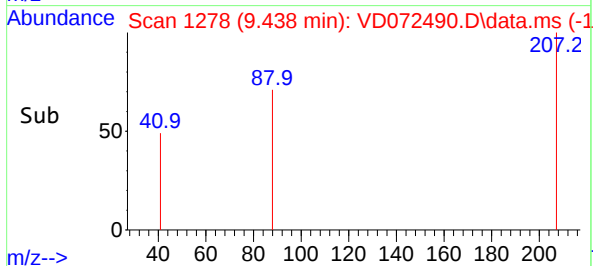
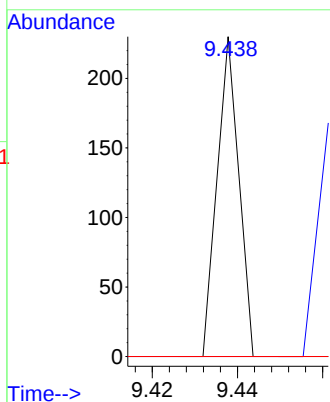
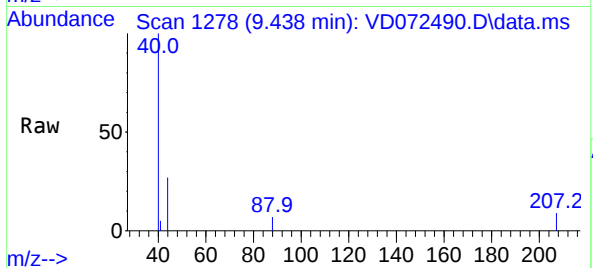




#49
1,4-Dioxane
Concen: 2.766 ug/l
RT: 9.438 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

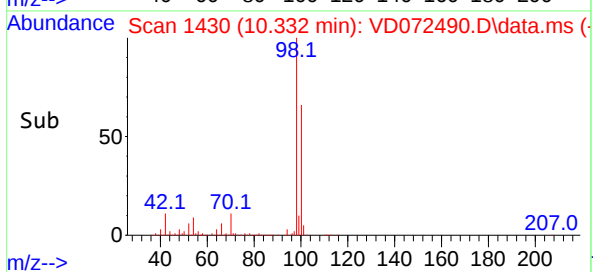
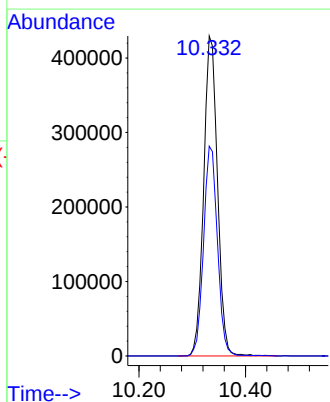
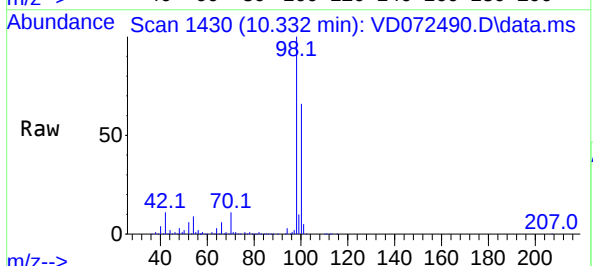
Instrument :
MSVOA_D
ClientSampleId :
362

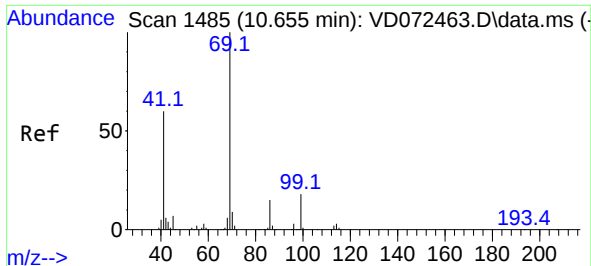
Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 46.009 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion: 98 Resp: 772545
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

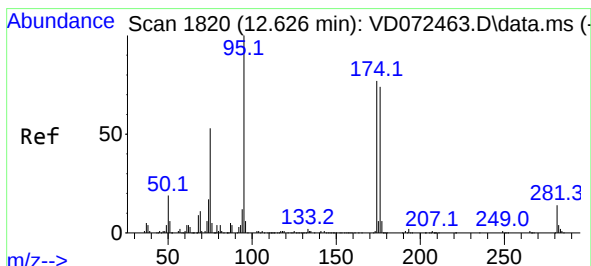
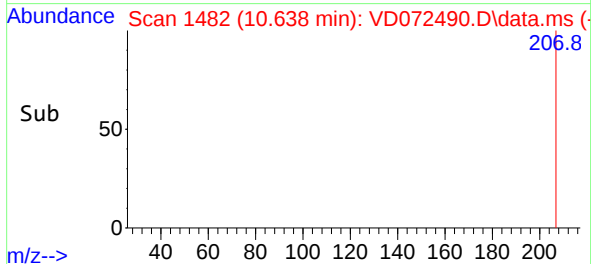
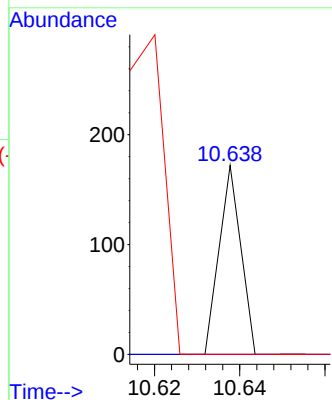
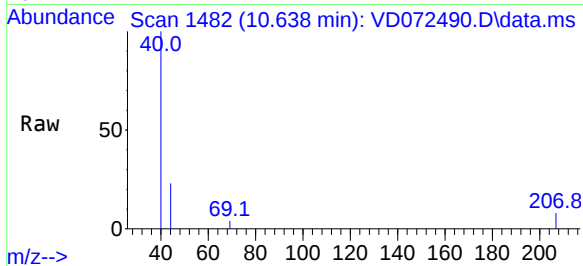




#56
Ethyl methacrylate
Concen: 1.204 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

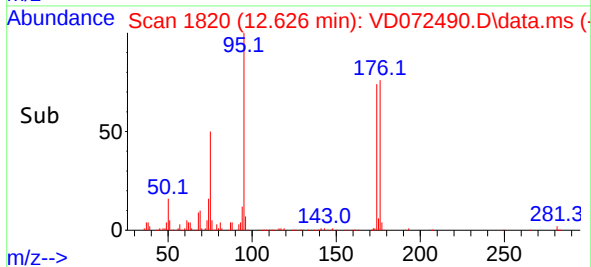
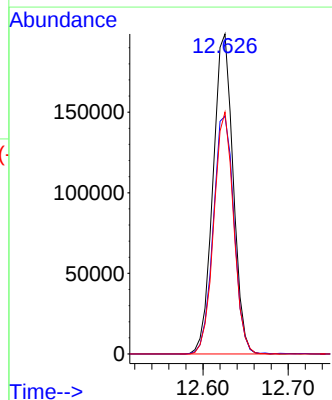
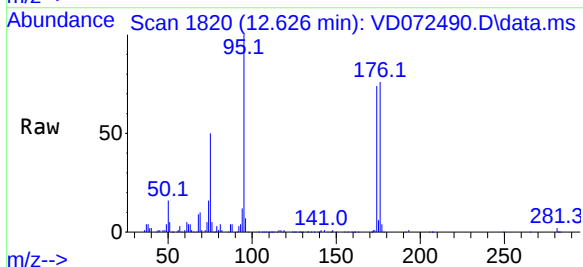
Instrument :
MSVOA_D
ClientSampleId :
362

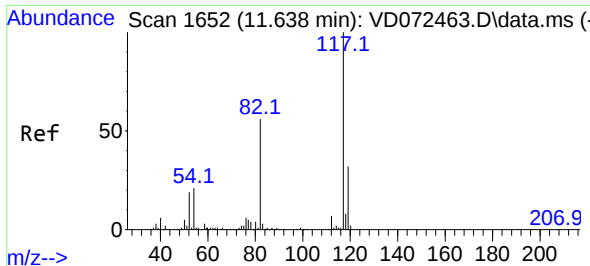
Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 470.5 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 49.638 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion: 95 Resp: 325510
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.8
176 74.3 0.0 145.4

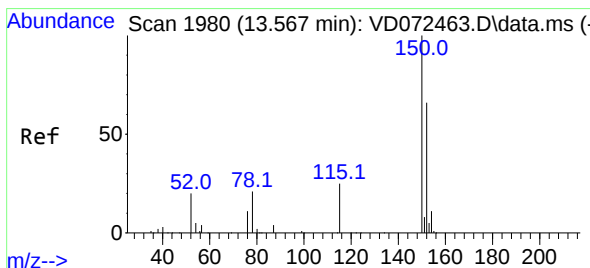
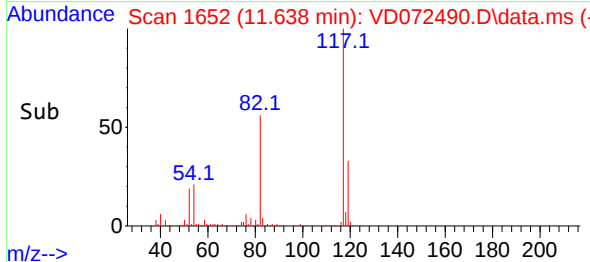
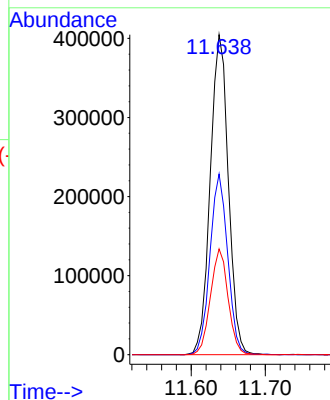
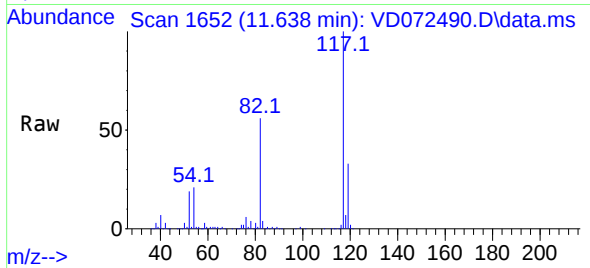




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

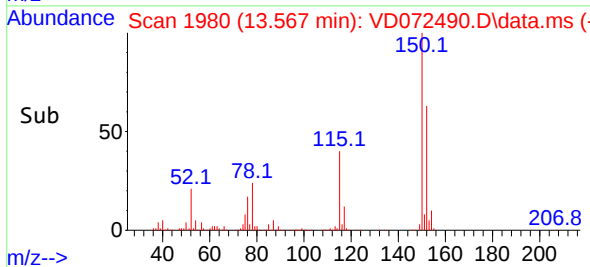
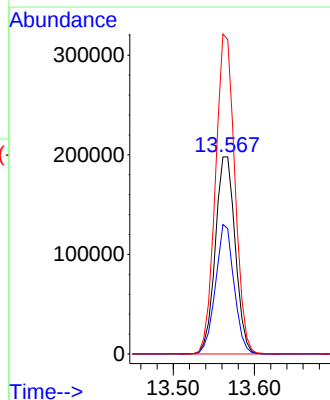
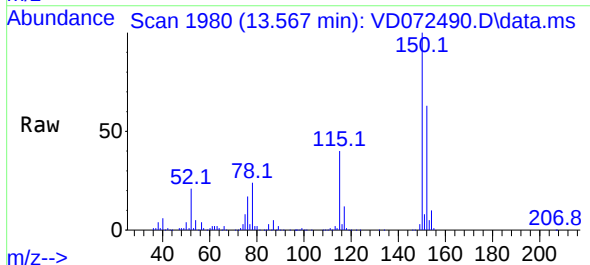
Instrument :
MSVOA_D
ClientSampleId :
362

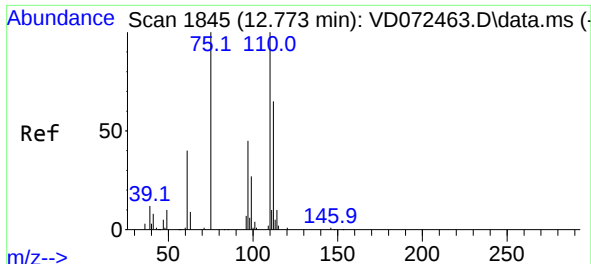
Tgt Ion:	117	Resp:	687311
Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.3	67.9
119	33.0	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion:	152	Resp:	337446
Ion	Ratio	Lower	Upper
152	100		
115	61.4	31.3	93.8
150	158.1	0.0	348.6

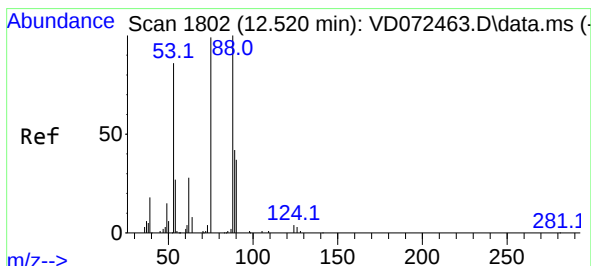
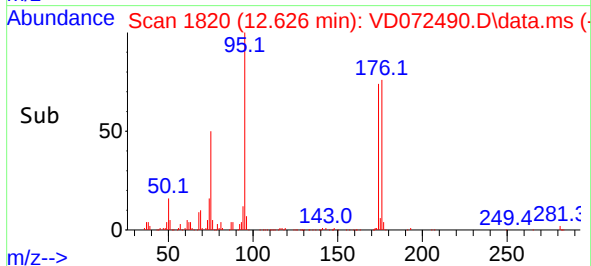
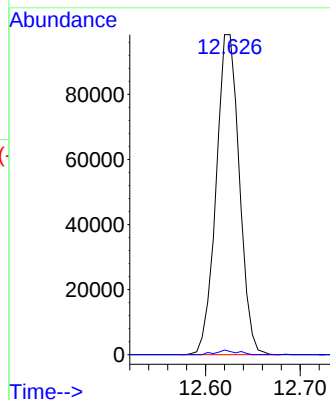
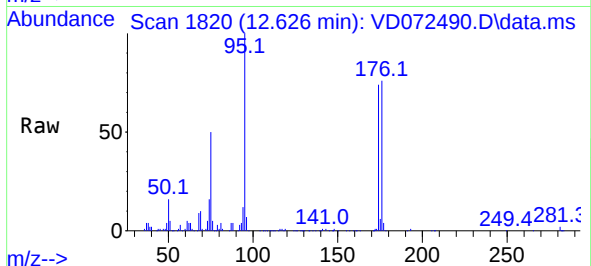




#76
1,2,3-Trichloropropane
Concen: 45.511 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Instrument :
MSVOA_D
ClientSampleId :
362

Tgt Ion: 75 Resp: 167499
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.676 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072490.D
Acq: 31 Mar 2022 15:20

Tgt Ion: 75 Resp: 167499
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#

