

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120221\
 Data File : VD071116.D
 Acq On : 02 Dec 2021 14:20
 Operator : VA/SY
 Sample : M4876-01
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 03 00:37:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : Sw846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	2535	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	4618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	3685	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	1661	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	1710	57.49	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	114.98%	
35) Dibromofluoromethane	7.914	113	819	27.85	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	55.70%	
50) Toluene-d8	10.338	98	4704	42.03	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	84.06%	
62) 4-Bromofluorobenzene	12.626	95	1405	36.22	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	72.44%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.979	85	61	2.82	ug/l #	44
3) Chloromethane	2.209	50	353	12.34	ug/l #	42
4) Vinyl Chloride	2.356	62	55	1.72	ug/l #	1
5) Bromomethane	2.809	94	120	5.22	ug/l	96
6) Chloroethane	3.009	64	60	2.73	ug/l #	39
11) Tert butyl alcohol	5.262	59	133	Below Cal	#	71
13) Acrolein	3.944	56	77	37.88	ug/l #	13
14) Allyl chloride	4.709	41	58	1.30	ug/l #	29
16) Acetone	4.162	43	182	51.00	ug/l #	40
17) Carbon Disulfide	4.420	76	112	1.63	ug/l #	73
18) Methyl Acetate	4.697	43	61	2.78	ug/l #	51
19) Methyl tert-butyl Ether	5.362	73	77	1.34	ug/l #	52
20) Methylene Chloride	4.944	84	58	Below Cal	#	7
21) trans-1,2-Dichloroethene	5.479	96	172	6.49	ug/l #	1
23) Vinyl Acetate	6.109	43	200	30.90	ug/l #	72
25) 2-Butanone	7.179	43	55	33.70	ug/l #	45
28) Bromochloromethane	7.697	49	77	3.44	ug/l #	14
29) Tetrahydrofuran	7.556	42	77	16.30	ug/l #	34
31) Cyclohexane	7.985	56	373	7.37	ug/l #	75
36) 1,1-Dichloropropene	8.114	75	86	1.99	ug/l #	41
37) Ethyl Acetate	7.179	43	55	2.95	ug/l #	66
38) Carbon Tetrachloride	7.997	117	64	1.50	ug/l #	12
39) Methylcyclohexane	9.350	83	155	2.99	ug/l #	16
40) Benzene	8.355	78	289	2.47	ug/l #	51
41) Methacrylonitrile	7.532	41	58	Below Cal	#	12
42) 1,2-Dichloroethane	8.420	62	55	1.54	ug/l #	71
43) Isopropyl Acetate	8.420	43	64	6.62	ug/l #	47
44) Trichloroethene	9.097	130	119	3.81	ug/l	1
48) Methyl methacrylate	9.479	41	77	4.22	ug/l #	1
51) 4-Methyl-2-Pentanone	10.226	43	121	35.70	ug/l #	34
52) Toluene	10.385	92	185	2.49	ug/l #	1
54) cis-1,3-Dichloropropene	10.091	75	151	3.27	ug/l #	39
57) 1,3-Dichloropropane	10.849	76	54	1.46	ug/l #	42
59) 2-Hexanone	10.985	43	296	50.68	ug/l #	50
64) Tetrachloroethene	10.867	164	60	2.56	ug/l #	1

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

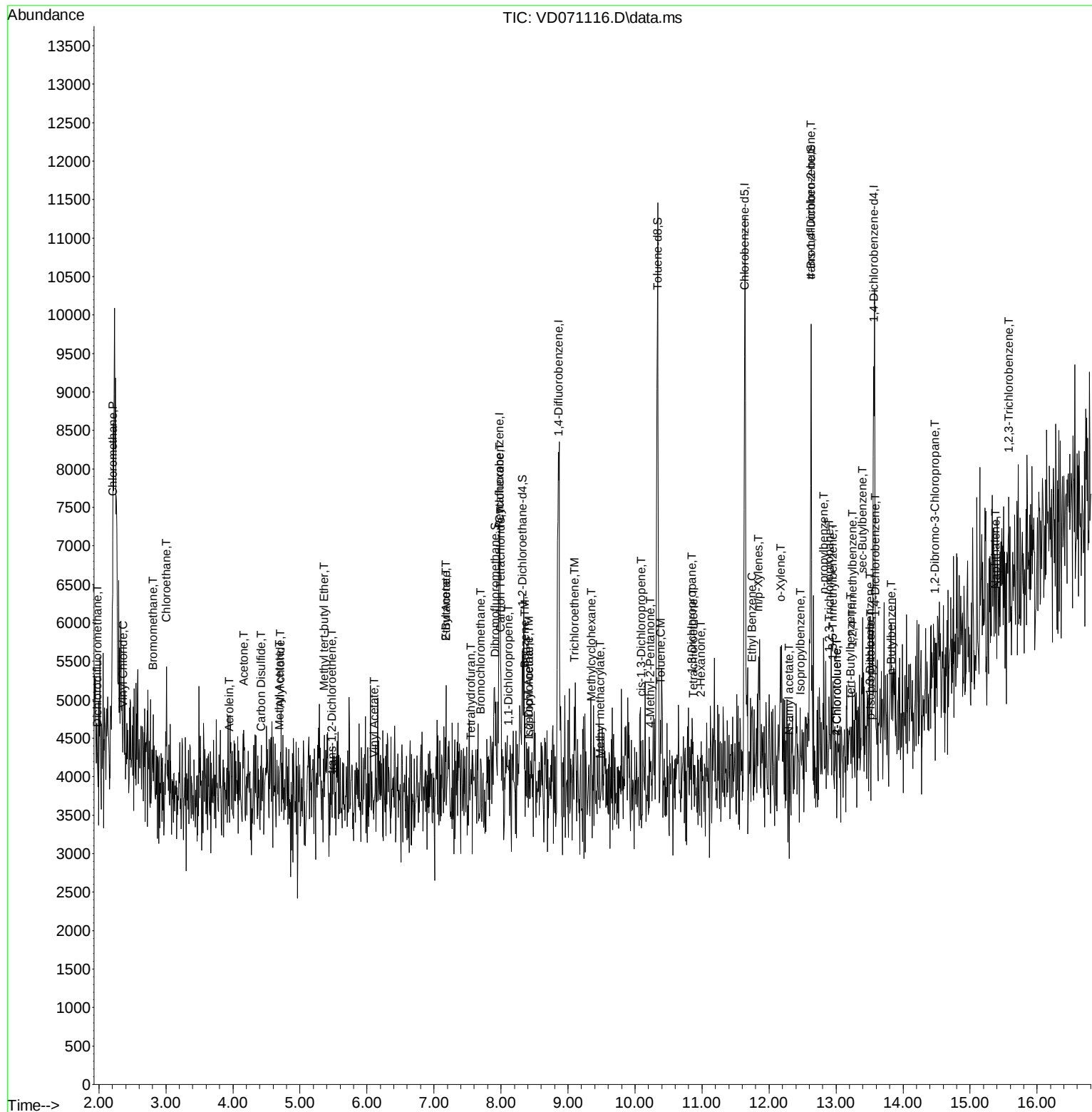
67) Ethyl Benzene	11.749	91	230	1.79	ug/l #	44
68) m/p-Xylenes	11.844	106	850	17.49	ug/l #	53
69) o-Xylene	12.173	106	57	1.25	ug/l #	1
73) Isopropylbenzene	12.467	105	357	2.97	ug/l #	49
74) N-amyl acetate	12.296	43	110	8.66	ug/l #	40
76) 1,2,3-Trichloropropane	12.896	75	56	3.54	ug/l #	1
78) n-propylbenzene	12.814	91	339	2.26	ug/l #	48
79) 2-Chlorotoluene	13.014	91	414	4.92	ug/l	81
80) 1,3,5-Trimethylbenzene	12.949	105	360	3.63	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.626	75	830	114.28	ug/l #	18
82) 4-Chlorotoluene	13.014	91	414	4.74	ug/l	82
83) tert-Butylbenzene	13.214	119	231	2.71	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.243	105	253	2.61	ug/l #	31
85) sec-Butylbenzene	13.396	105	542	4.17	ug/l #	57
86) p-Isopropyltoluene	13.514	119	414	3.89	ug/l #	51
87) 1,3-Dichlorobenzene	13.508	146	65	1.25	ug/l #	25
88) 1,4-Dichlorobenzene	13.585	146	140	2.72	ug/l #	67
89) n-Butylbenzene	13.826	91	584	5.62	ug/l #	65
92) 1,2-Dibromo-3-Chloropr...	14.473	75	67	20.77	ug/l #	4
95) Naphthalene	15.379	128	294	6.06	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.579	180	61	2.61	ug/l #	61

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

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Abundance Scan 1031 (7.985 min): VD071075.D\data.ms (-10) (-) #1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.973 min Scan#

Delta R.T. -0.012 min

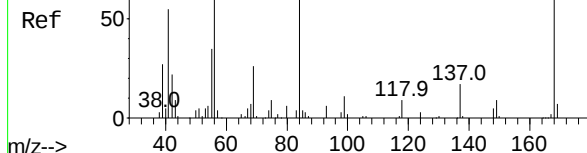
Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :

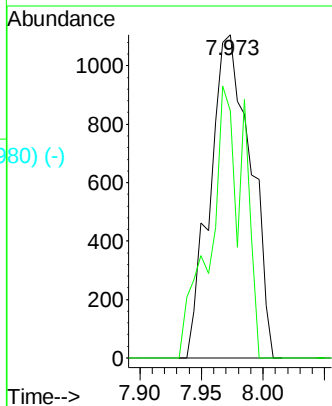
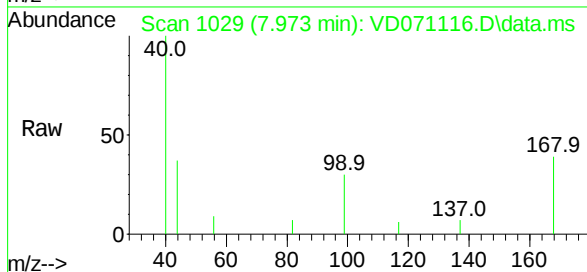


Tgt Ion:168 Resp: 2535

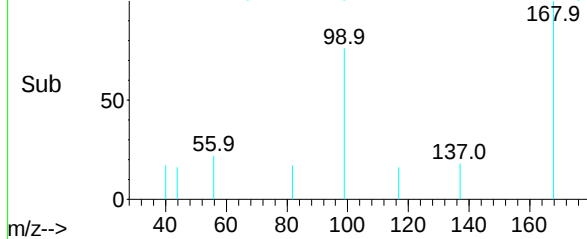
Ion Ratio Lower Upper

168 100

99 76.4 46.6 69.8#



Abundance Scan 1029 (7.973 min): VD071116.D\data.ms (-980) (-)



Abundance Scan 12 (1.991 min): VD071075.D\data.ms (-5) (-) #2

Dichlorodifluoromethane

Concen: 2.82 ug/l

RT: 1.979 min Scan# 10

Delta R.T. -0.012 min

Lab File: VD071116.D

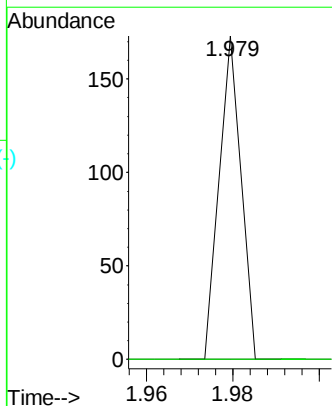
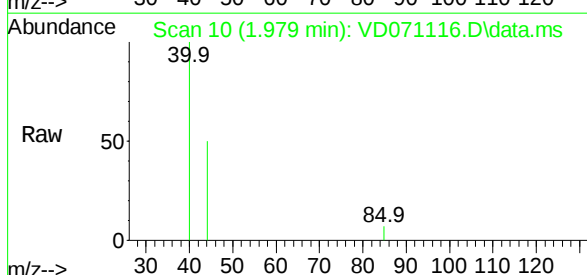
Acq: 02 Dec 2021 14:20

Tgt Ion: 85 Resp: 61

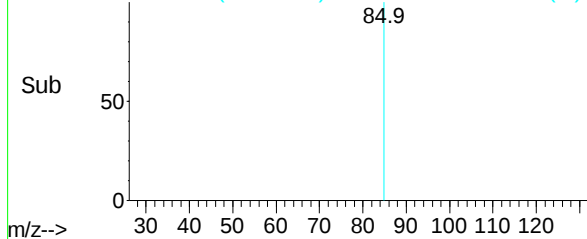
Ion Ratio Lower Upper

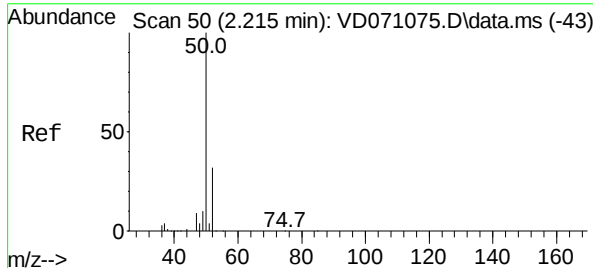
85 100

87 0.0 15.2 45.6#



Abundance Scan 10 (1.979 min): VD071116.D\data.ms (-1) (-)

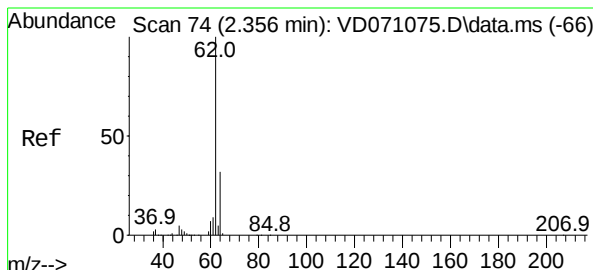
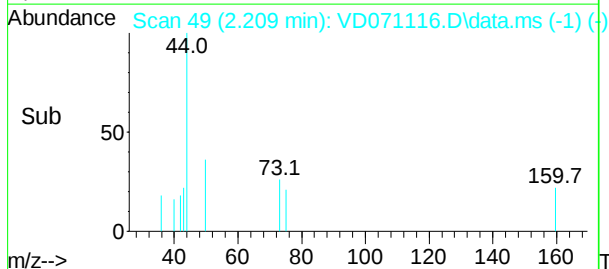
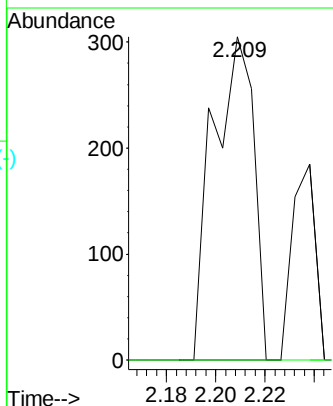
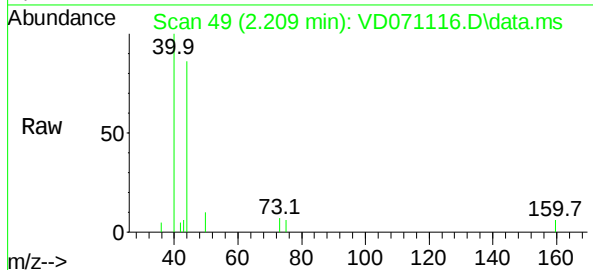




Chloromethane
 Concen: 12.34 ug/l
 RT: 2.209 min Scan# 4
 Delta R.T. -0.006 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

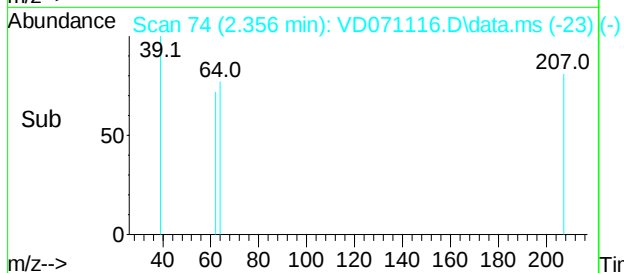
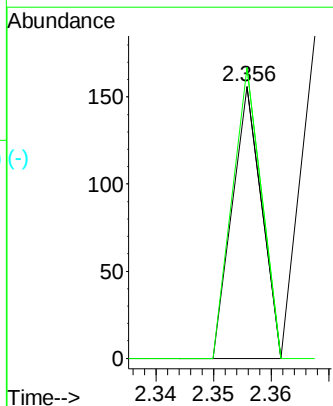
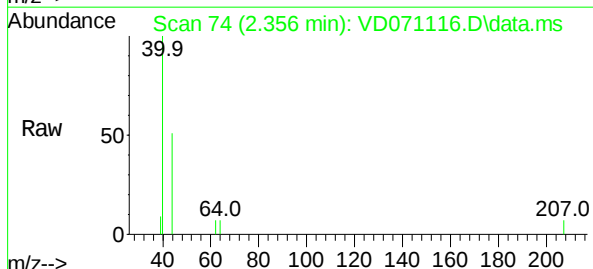
Instrument :
 MSVOA_D
 ClientSampleId :

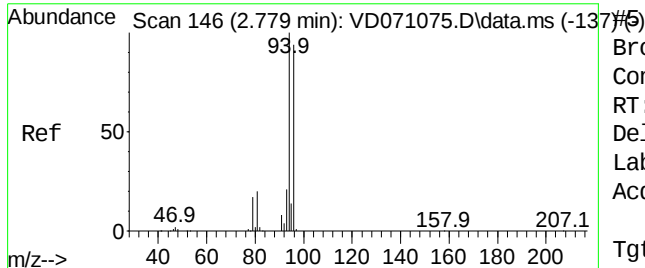
Tgt Ion: 50 Resp: 353
 Ion Ratio Lower Upper
 50 100
 52 0.0 25.8 38.8#



Vinyl Chloride
 Concen: 1.72 ug/l
 RT: 2.356 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

Tgt Ion: 62 Resp: 55
 Ion Ratio Lower Upper
 62 100
 64 107.1 26.0 39.0#





Bromomethane

Concen: 5.22 ug/l

RT: 2.809 min Scan# 185

Delta R.T. 0.030 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

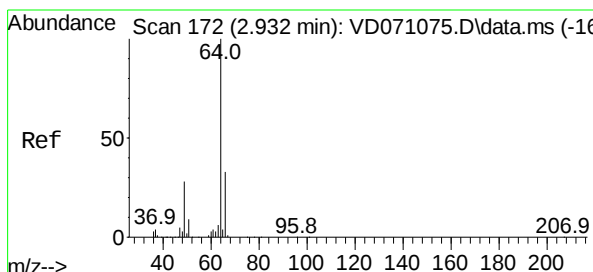
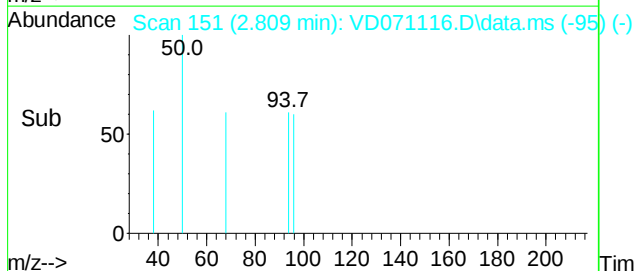
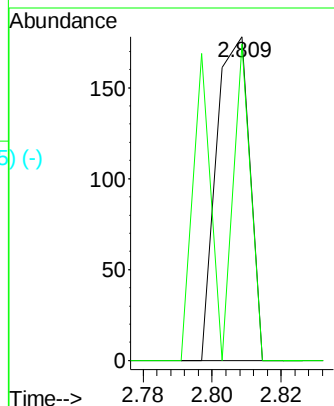
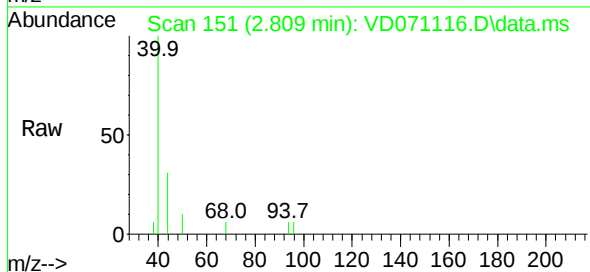
ClientSampleId :

Tgt Ion: 94 Resp: 120

Ion Ratio Lower Upper

94 100

96 97.8 74.8 112.2



Chloroethane

Concen: 2.73 ug/l

RT: 3.009 min Scan# 185

Delta R.T. 0.077 min

Lab File: VD071116.D

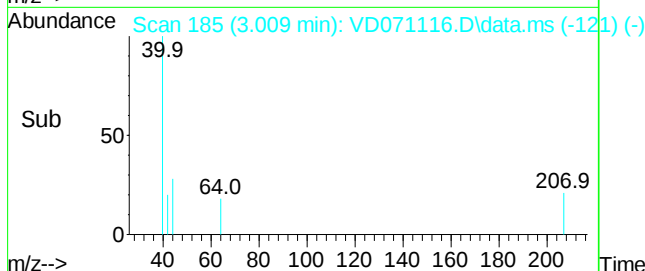
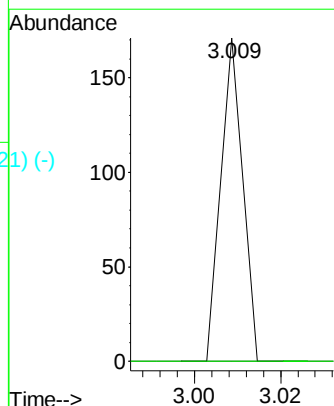
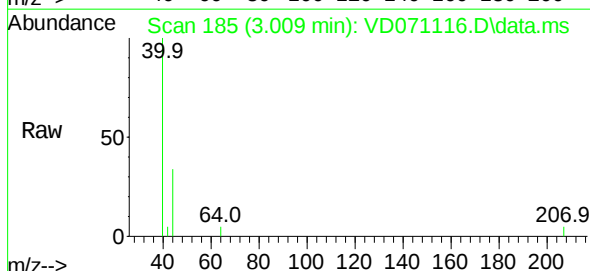
Acq: 02 Dec 2021 14:20

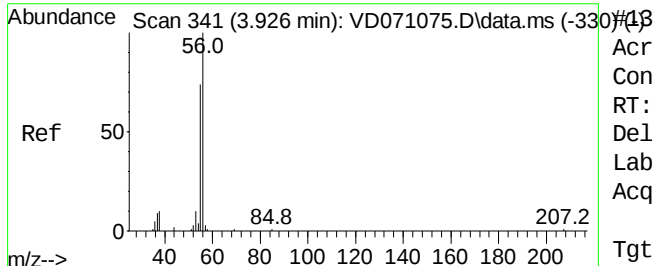
Tgt Ion: 64 Resp: 60

Ion Ratio Lower Upper

64 100

66 0.0 29.0 43.4#





Acrolein

Concen: 37.88 ug/l

RT: 3.944 min Scan# 413

Delta R.T. 0.018 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

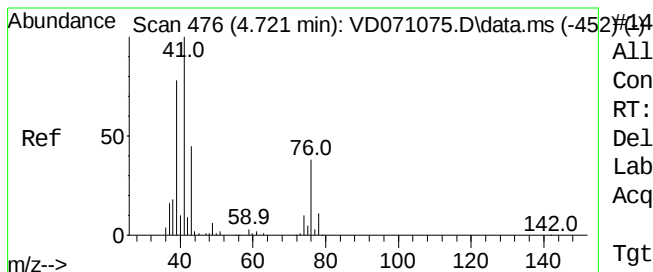
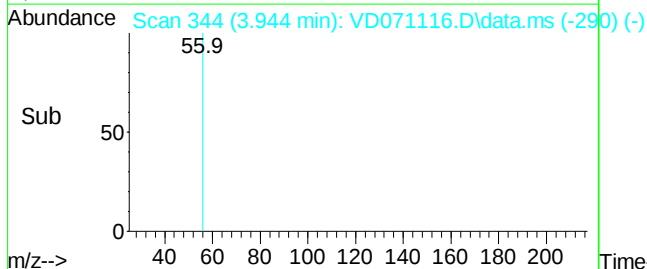
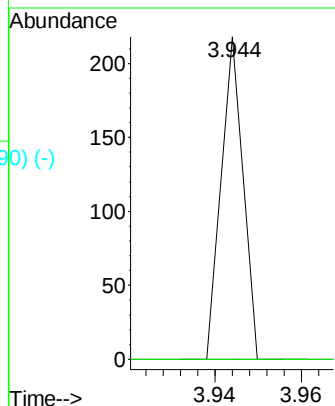
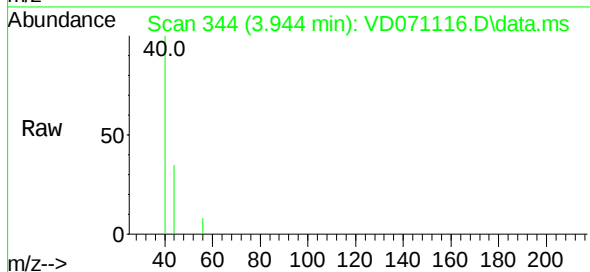
ClientSampleId :

Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#



Allyl chloride

Concen: 1.30 ug/l

RT: 4.709 min Scan# 474

Delta R.T. -0.012 min

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Acq: 02 Dec 2021 14:20

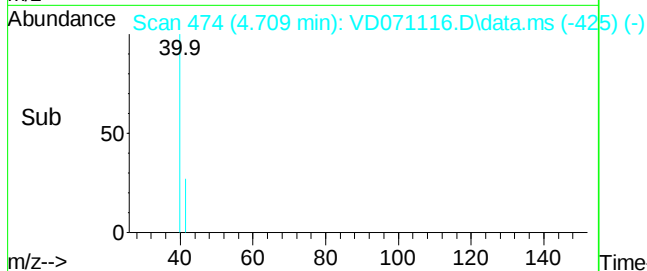
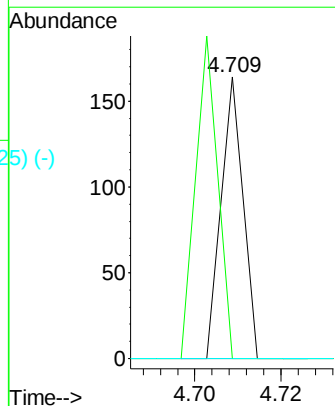
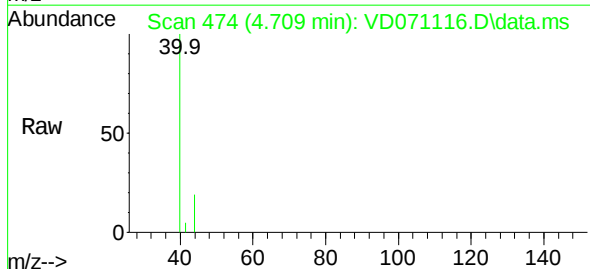
Tgt Ion: 41 Resp: 58

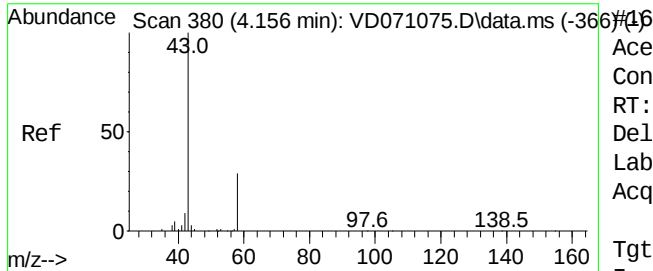
Ion Ratio Lower Upper

41 100

39 113.8 45.6 68.4#

76 0.0 30.2 45.4#

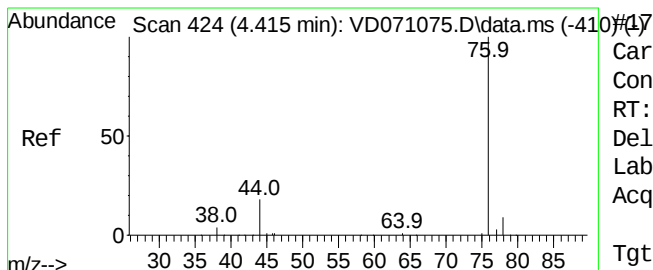
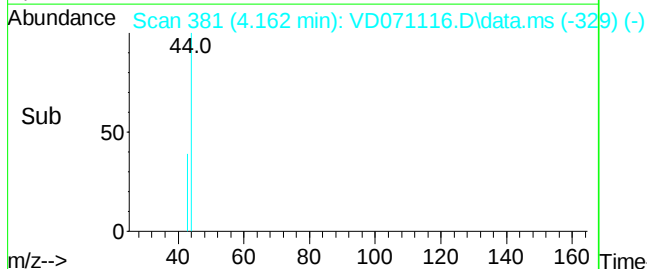
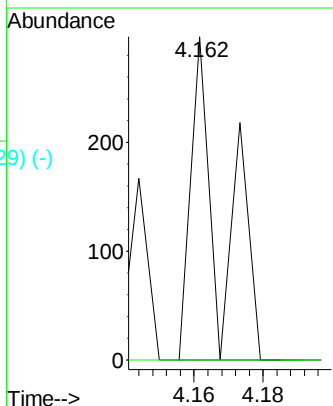
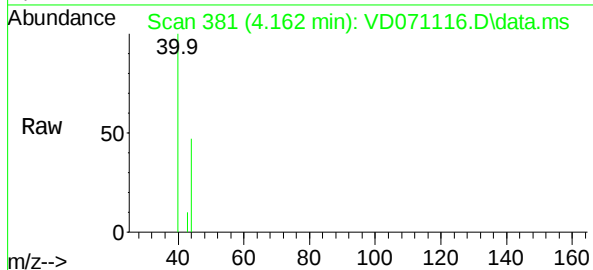




Acetone
Concen: 51.00 ug/l
RT: 4.162 min Scan# 416
Delta R.T. 0.006 min
Lab File: VD071116.D
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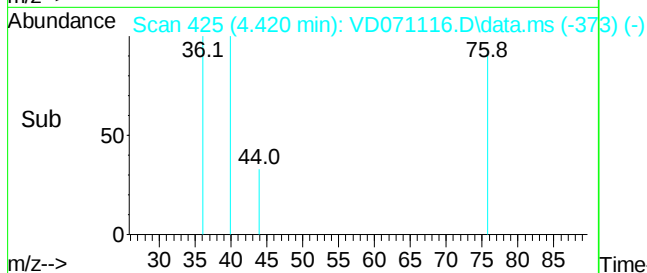
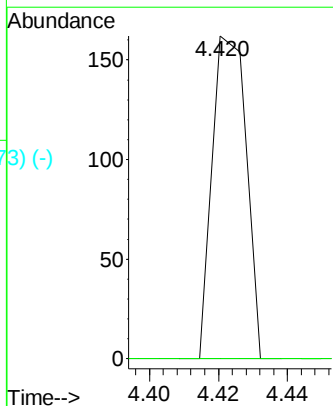
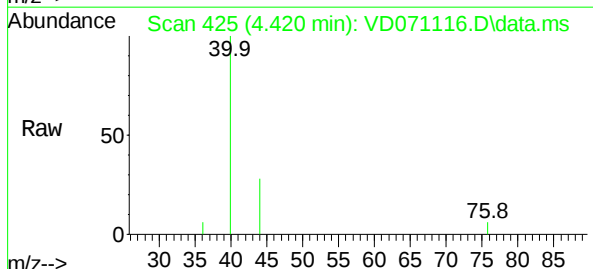
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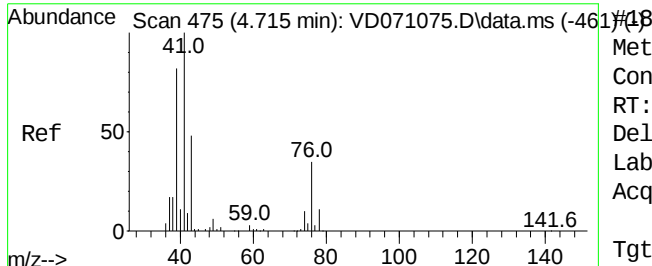
Tgt Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



Carbon Disulfide
Concen: 1.63 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.005 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Tgt Ion: 76 Resp: 112
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#





Methyl Acetate

Concen: 2.78 ug/l

RT: 4.697 min Scan# 418

Delta R.T. -0.018 min

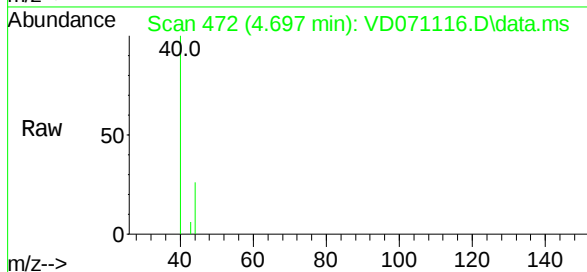
Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

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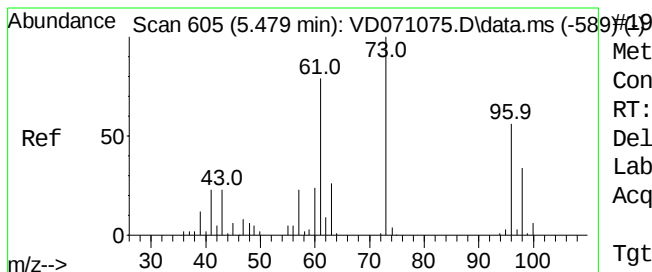
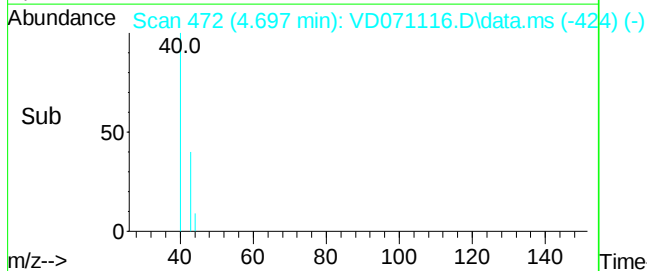
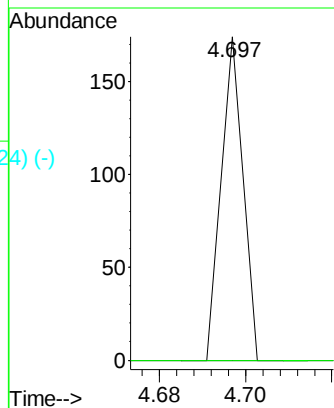


Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#



Methyl tert-butyl Ether

Concen: 1.34 ug/l

RT: 5.362 min Scan# 585

Delta R.T. -0.117 min

Lab File: VD071116.D

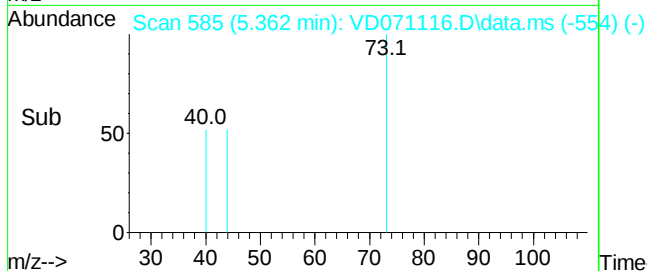
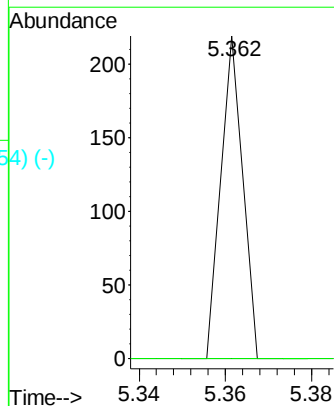
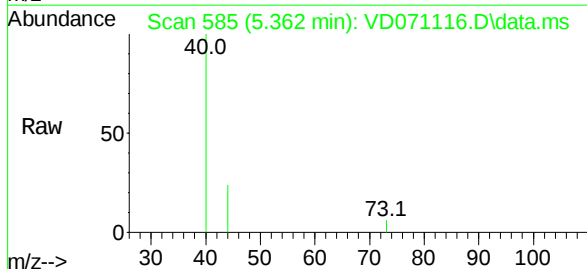
Acq: 02 Dec 2021 14:20

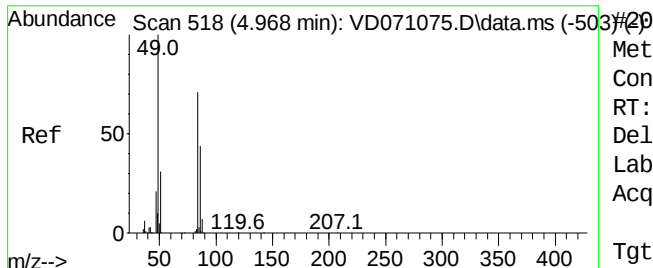
Tgt Ion: 73 Resp: 77

Ion Ratio Lower Upper

73 100

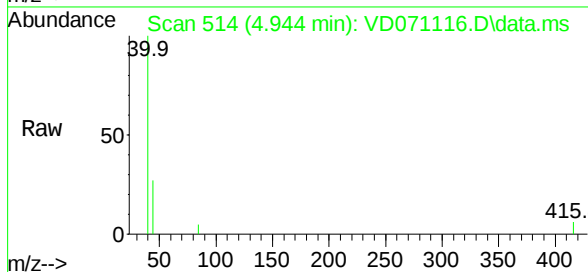
57 0.0 18.9 28.3#



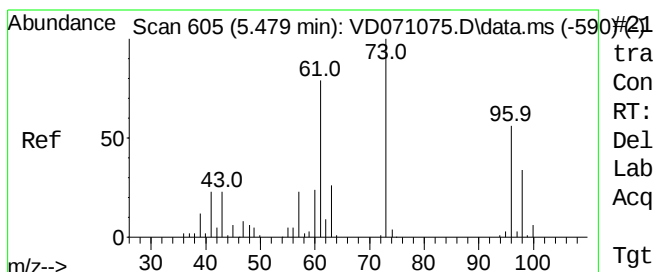
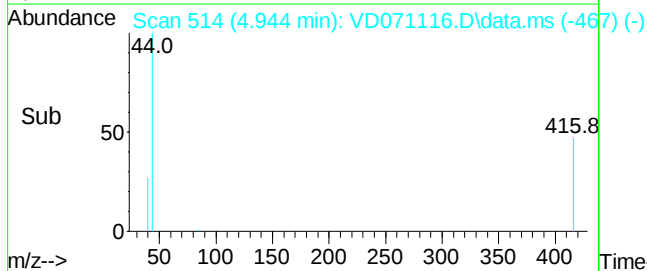
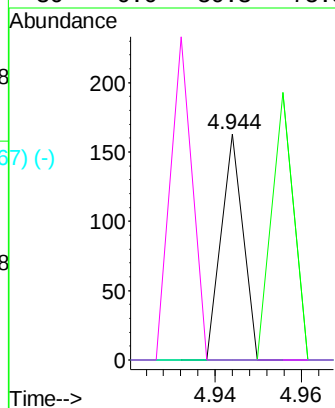


Methylene Chloride
 Concen: Below Cal
 RT: 4.944 min Scan# 1
 Delta R.T. -0.024 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

Instrument :
 MSVOA_D
 ClientSampleId :

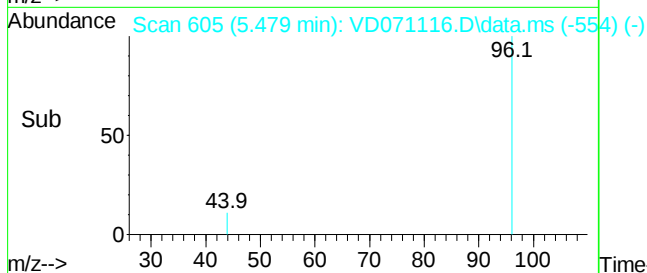
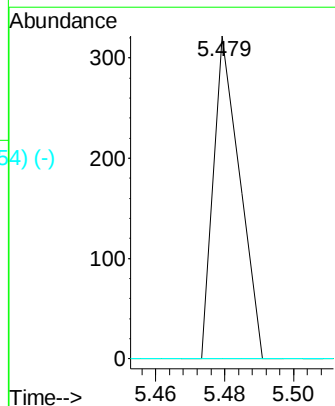
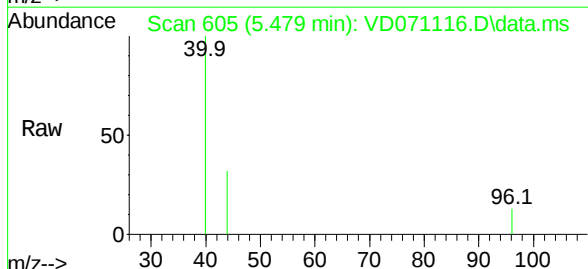


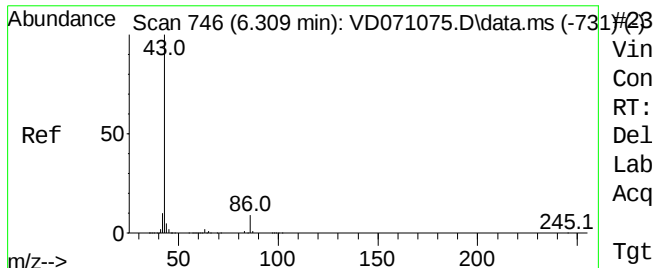
Tgt Ion:	84	Resp:	58
Ion	Ratio	Lower	Upper
84	100		
49	0.0	95.8	143.6#
51	0.0	30.9	46.3#
86	0.0	50.3	75.5#



trans-1,2-Dichloroethene
 Concen: 6.49 ug/l
 RT: 5.479 min Scan# 605
 Delta R.T. 0.000 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

Tgt Ion:	96	Resp:	172
Ion	Ratio	Lower	Upper
96	100		
61	0.0	102.1	153.1#
98	0.0	50.1	75.1#

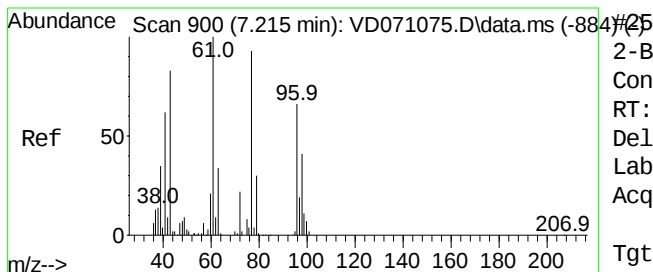
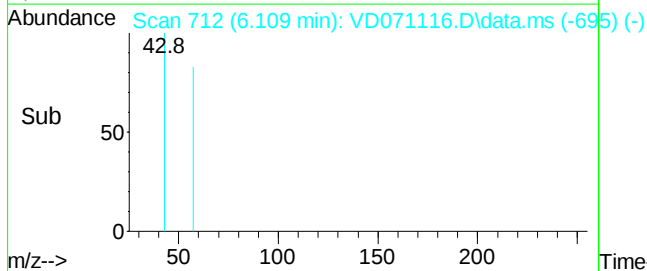
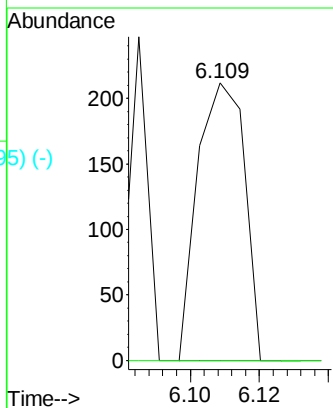
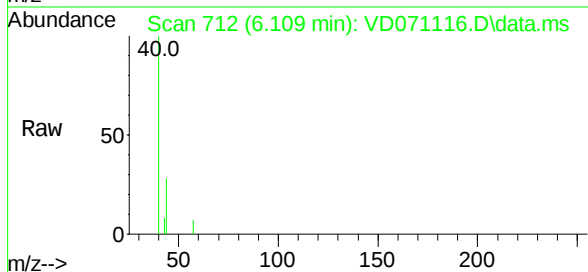




Vinyl Acetate
 Concen: 30.90 ug/l
 RT: 6.109 min Scan#
 Delta R.T. -0.200 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

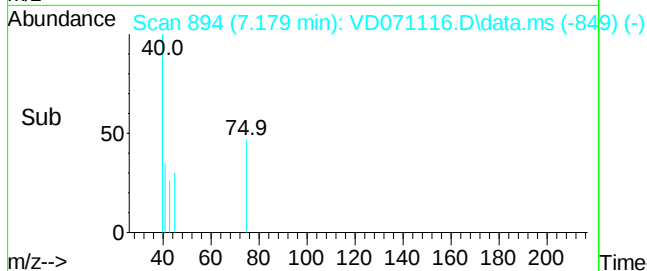
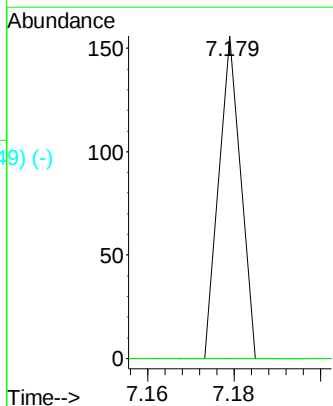
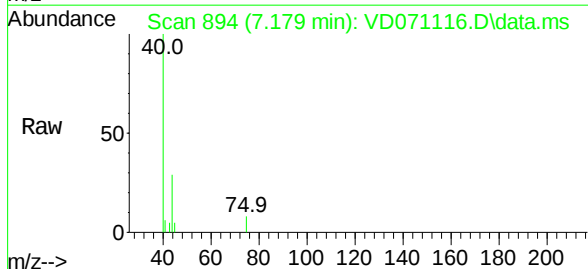
Instrument :
 MSVOA_D
 ClientSampleId :

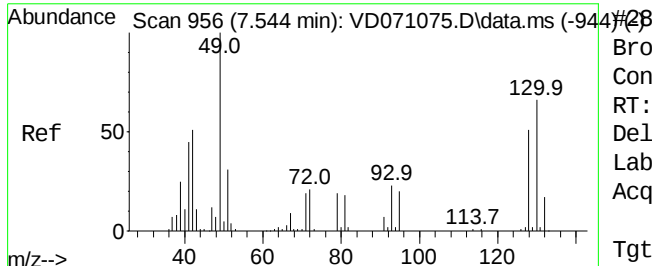
Tgt Ion: 43 Resp: 200
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



2-Butanone
 Concen: 33.70 ug/l
 RT: 7.179 min Scan# 894
 Delta R.T. -0.036 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

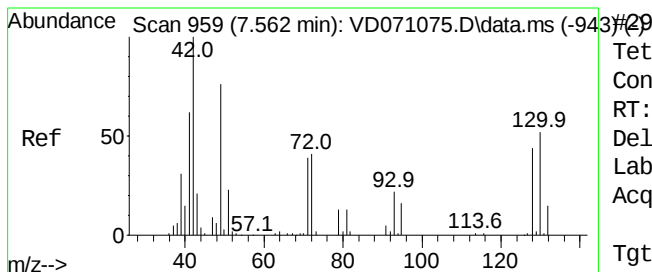
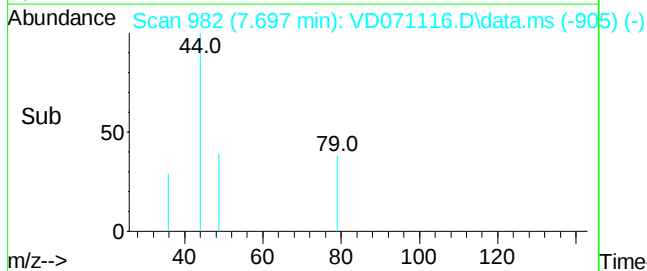
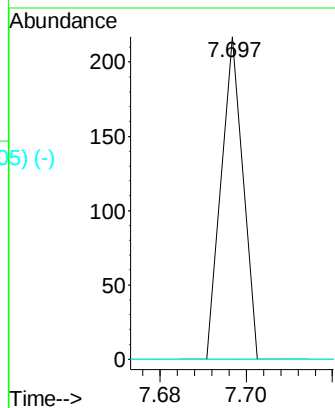
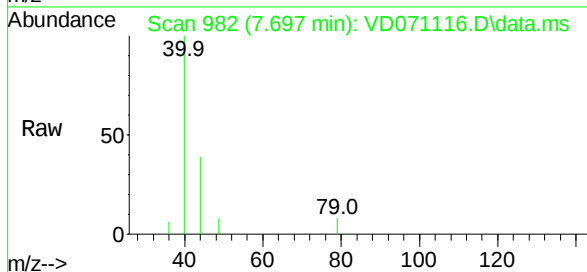




Bromochloromethane
 Concen: 3.44 ug/l
 RT: 7.697 min Scan# 982
 Delta R.T. 0.153 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

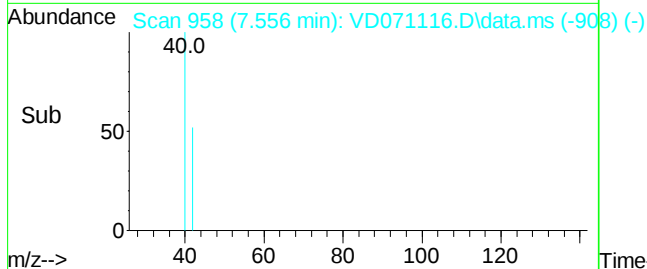
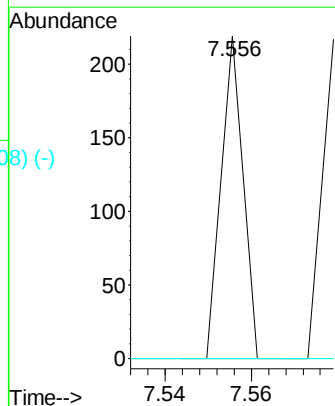
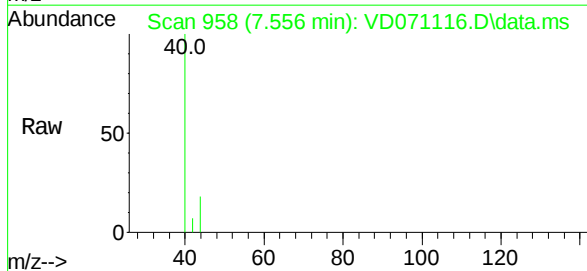
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	49	Resp:	77
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	60.2	90.2#



Tetrahydrofuran
 Concen: 16.30 ug/l
 RT: 7.556 min Scan# 958
 Delta R.T. -0.006 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

Tgt Ion:	42	Resp:	77
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#



Abundance Scan 1031 (7.985 min): VD071075.D\data.ms (-1031-)

Cyclohexane

Concen: 7.37 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

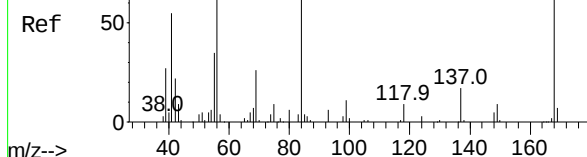
Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :



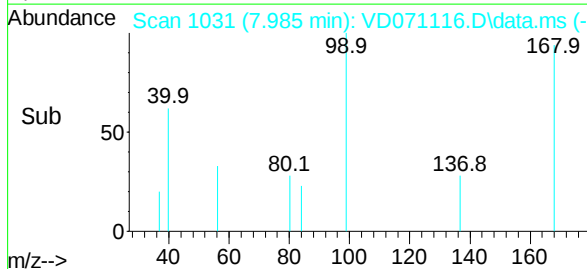
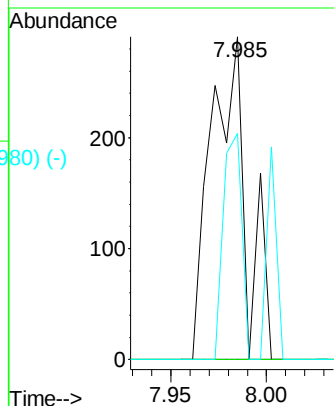
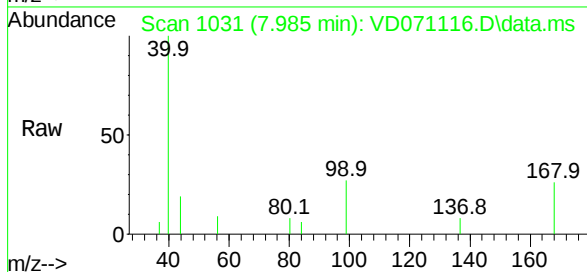
Tgt Ion: 56 Resp: 373

Ion Ratio Lower Upper

56 100

69 0.0 25.9 38.9#

84 70.1 64.3 96.5



Abundance Scan 1089 (8.326 min): VD071075.D\data.ms (-1089-)

1,2-Dichloroethane-d4

Concen: 57.49 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD071116.D

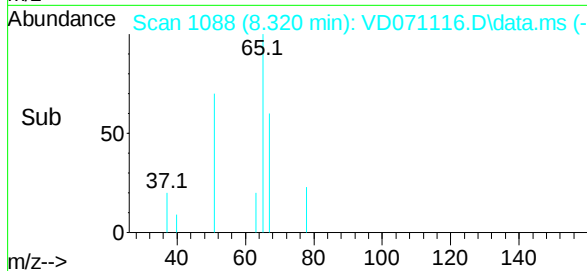
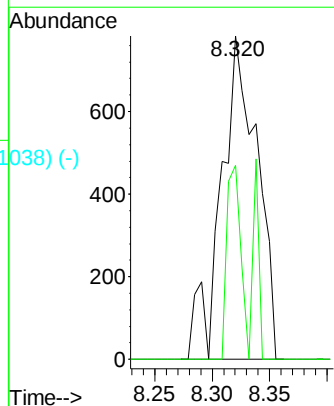
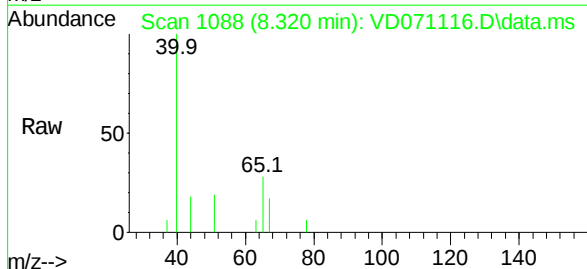
Acq: 02 Dec 2021 14:20

Tgt Ion: 65 Resp: 1710

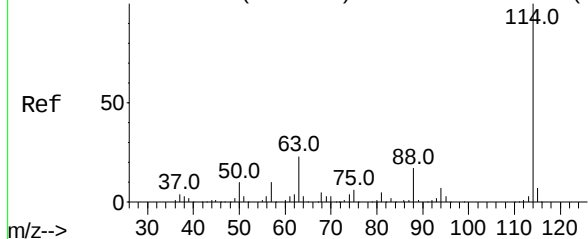
Ion Ratio Lower Upper

65 100

67 23.2 0.0 112.2



Abundance Scan 1180 (8.861 min): VD071075.D\data.ms (-11704-)



1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan#

Delta R.T. 0.000 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :

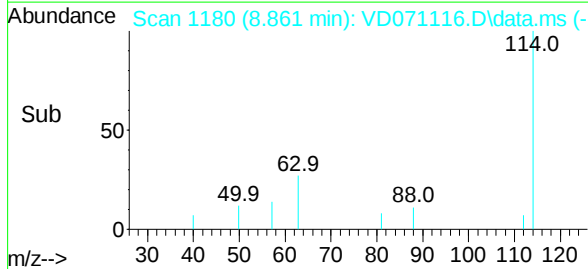
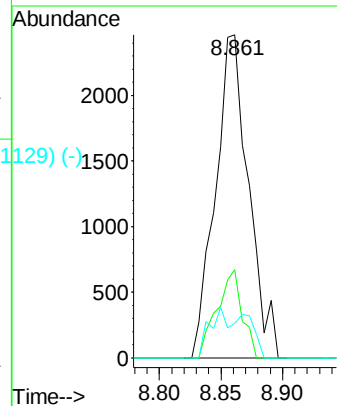
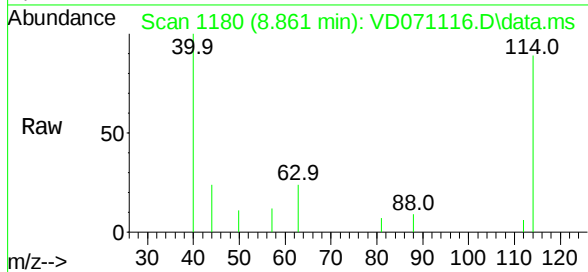
Tgt Ion:114 Resp: 4618

Ion Ratio Lower Upper

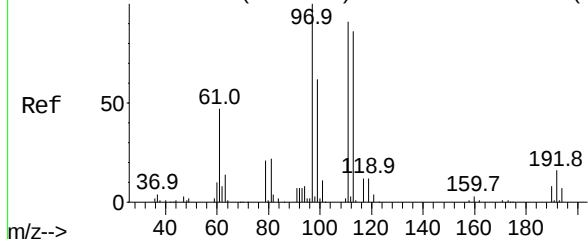
114 100

63 27.3 0.0 41.8

88 10.6 0.0 32.8



Abundance Scan 1020 (7.920 min): VD071075.D\data.ms (-10095-)



Dibromofluoromethane

Concen: 27.85 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

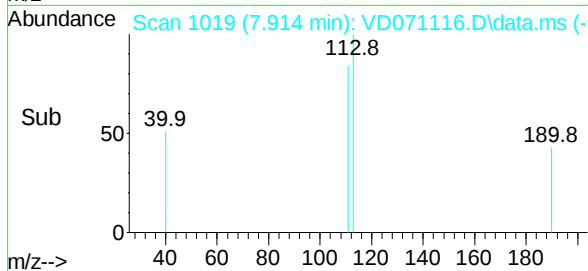
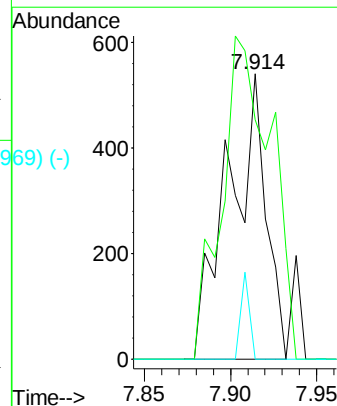
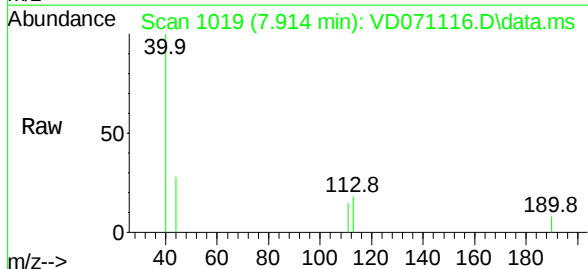
Tgt Ion:113 Resp: 819

Ion Ratio Lower Upper

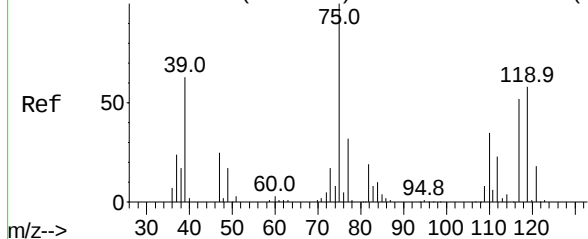
113 100

111 148.4 82.0 123.0#

192 7.1 15.2 22.8#



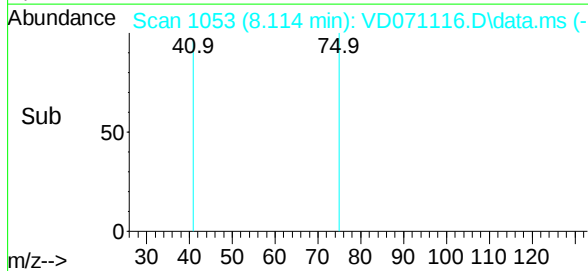
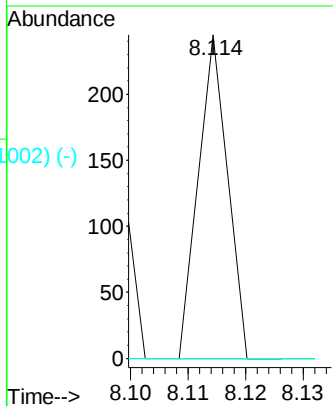
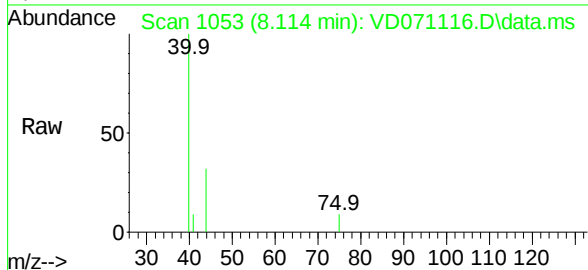
Abundance Scan 1053 (8.114 min): VD071075.D\data.ms (-1039)



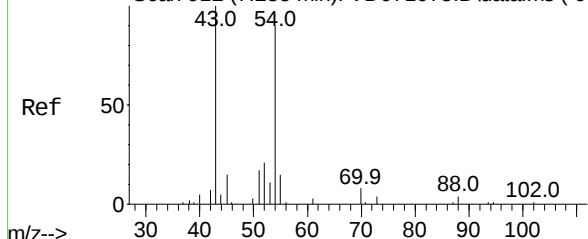
1,1-Dichloropropene
Concen: 1.99 ug/l
RT: 8.114 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	75	Resp:	86
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#

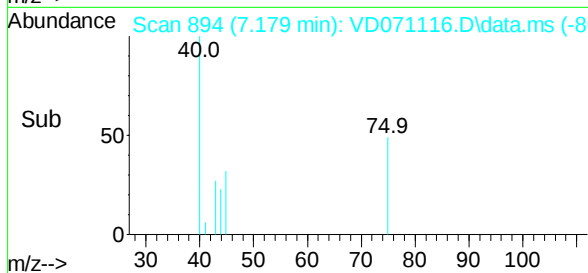
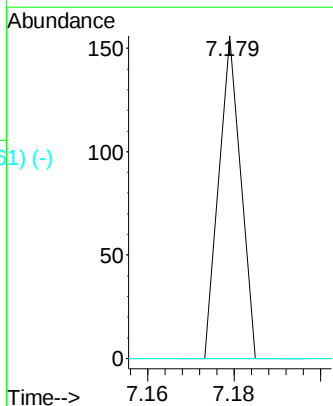
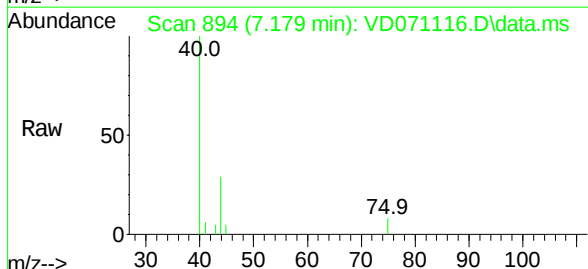


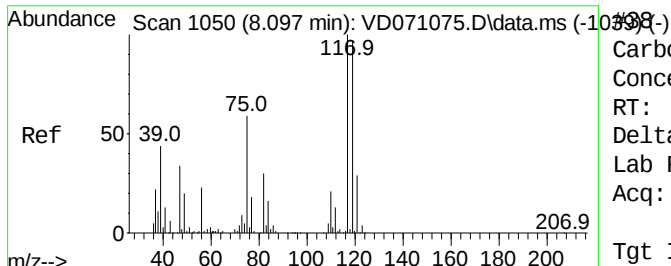
Abundance Scan 912 (7.285 min): VD071075.D\data.ms (-908)



Ethyl Acetate
Concen: 2.95 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.106 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#

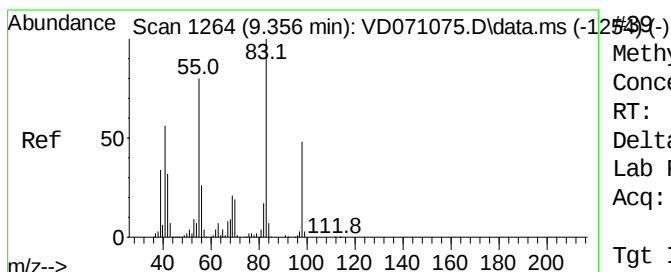
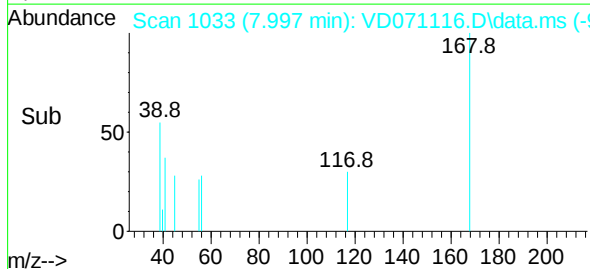
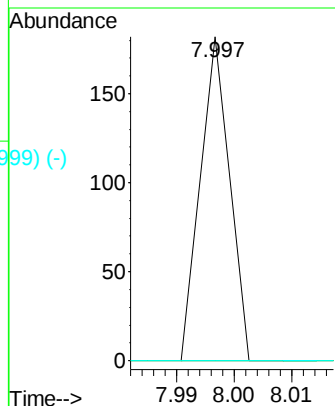
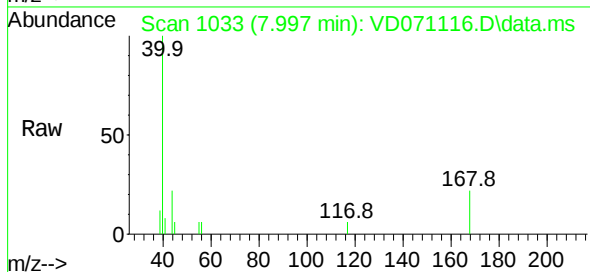




Carbon Tetrachloride
Concen: 1.50 ug/l
RT: 7.997 min Scan# 1033
Delta R.T. -0.100 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

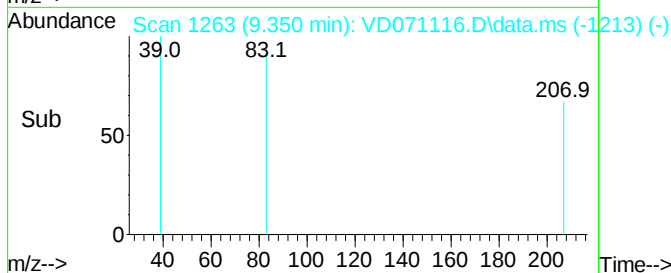
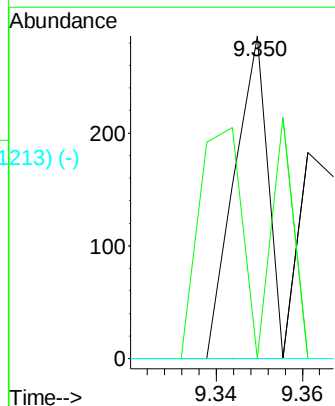
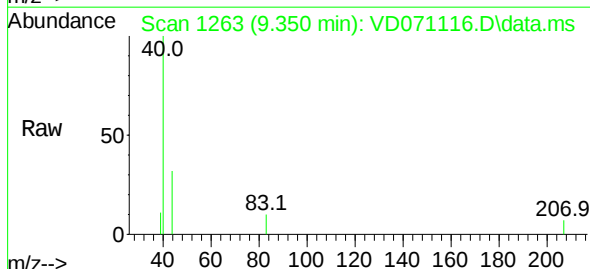
Instrument :
MSVOA_D
ClientSampleId :

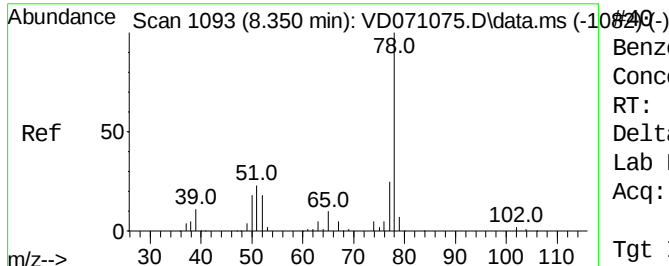
Tgt Ion:	117	Resp:	64
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	23.6	35.4#



Methylcyclohexane
Concen: 2.99 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Tgt Ion:	83	Resp:	155
Ion	Ratio	Lower	Upper
83	100		
55	0.0	65.8	98.8#
98	0.0	38.7	58.1#





#40(-)

Benzene

Concen: 2.47 ug/l

RT: 8.355 min Scan# 1105

Delta R.T. 0.005 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

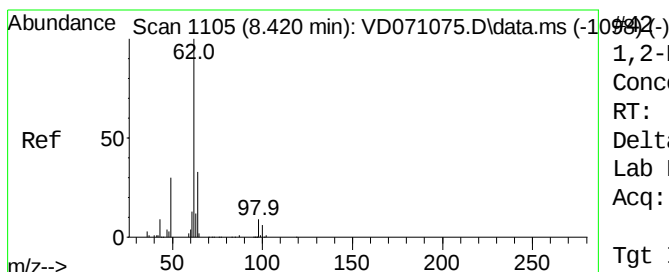
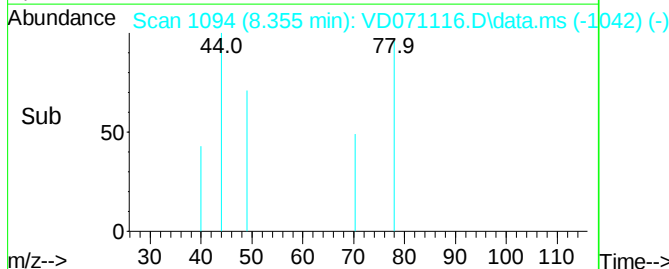
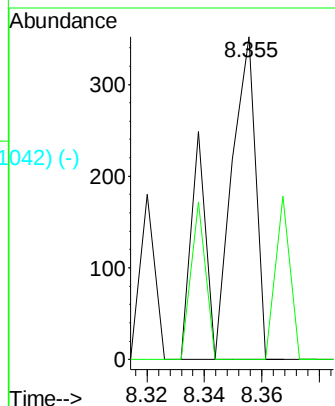
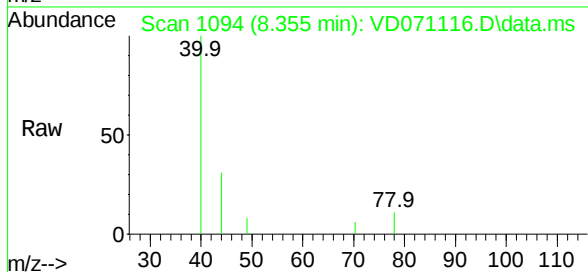
ClientSampleId :

Tgt Ion: 78 Resp: 289

Ion Ratio Lower Upper

78 100

77 0.0 19.1 28.7#



#42(-)

1,2-Dichloroethane

Concen: 1.54 ug/l

RT: 8.420 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VD071116.D

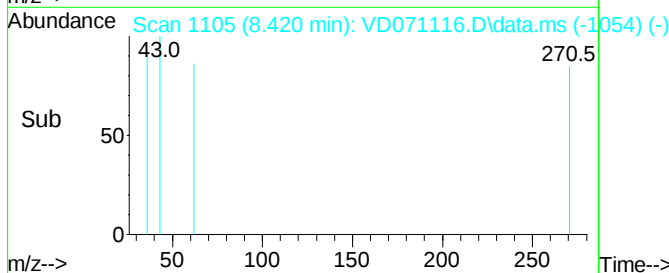
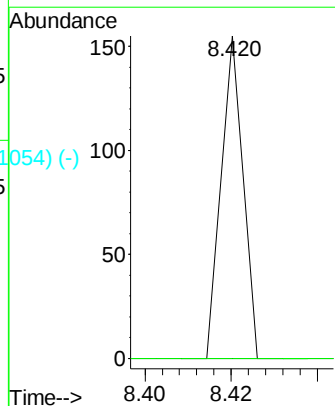
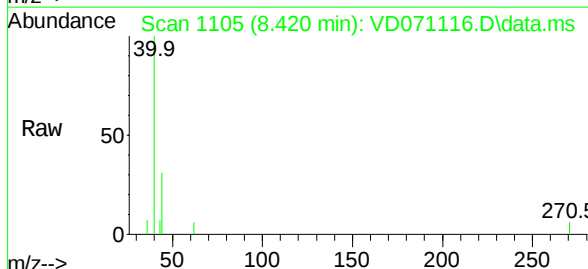
Acq: 02 Dec 2021 14:20

Tgt Ion: 62 Resp: 55

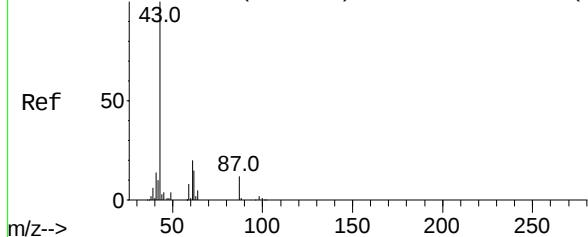
Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8



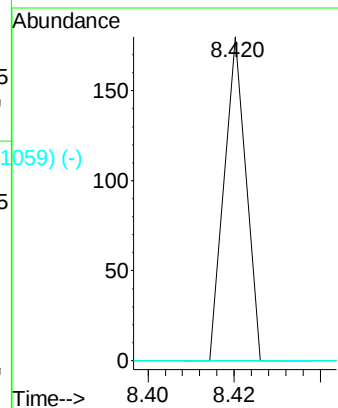
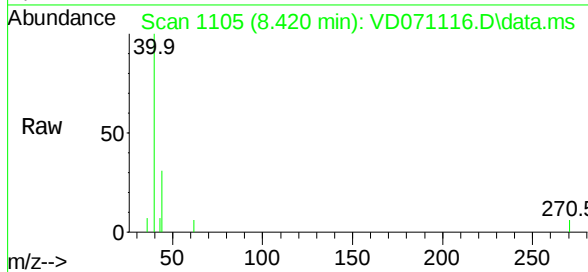
Abundance Scan 1110 (8.450 min): VD071075.D\data.ms (-1099) (-)



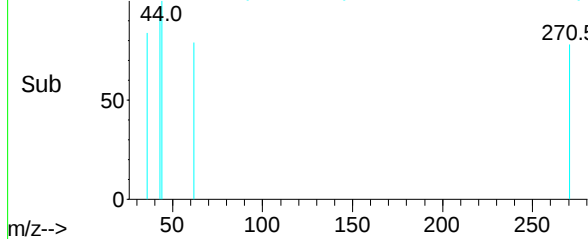
Isopropyl Acetate
Concen: 6.62 ug/l
RT: 8.420 min Scan# 1110
Delta R.T. -0.030 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

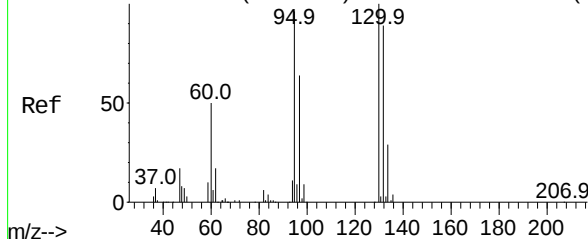
Tgt Ion:	43	Resp:	64
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#



Abundance Scan 1105 (8.420 min): VD071116.D\data.ms (-1059) (-)

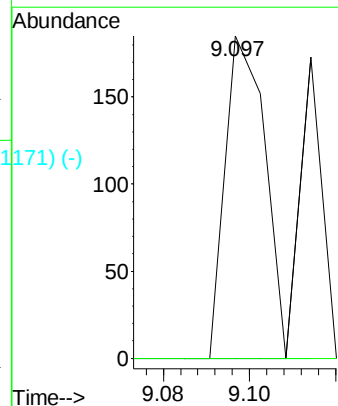
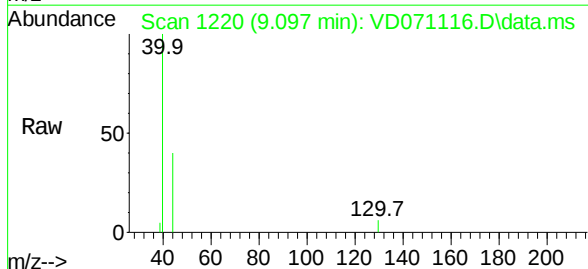


Abundance Scan 1222 (9.109 min): VD071075.D\data.ms (-1219) (-)

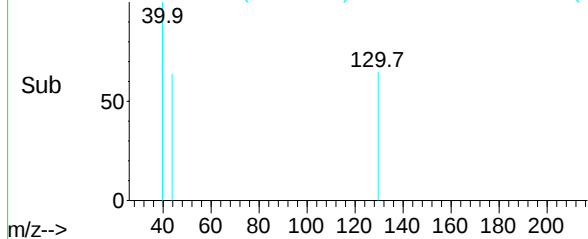


Trichloroethene
Concen: 3.81 ug/l
RT: 9.097 min Scan# 1220
Delta R.T. -0.012 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

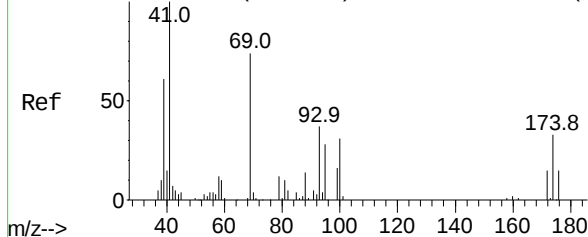
Tgt Ion:	130	Resp:	119
Ion	Ratio	Lower	Upper
130	100		
95	0.0	0.0	193.2



Abundance Scan 1220 (9.097 min): VD071116.D\data.ms (-1171) (-)



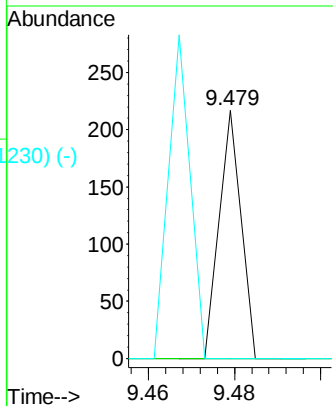
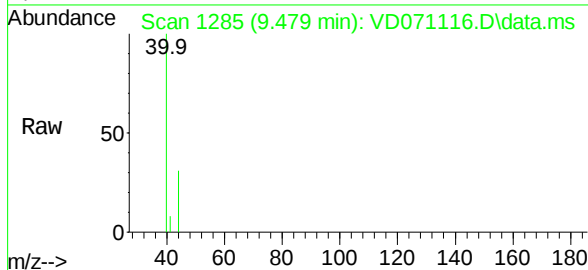
Abundance Scan 1281 (9.456 min): VD071075.D\data.ms (-1279) (-)



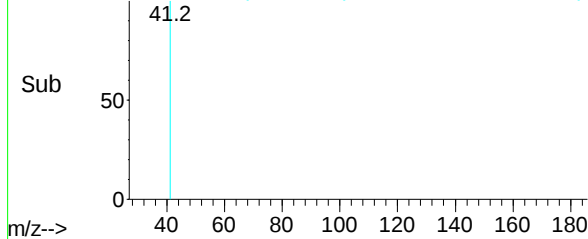
Methyl methacrylate
Concen: 4.22 ug/l
RT: 9.479 min Scan# 1281
Delta R.T. 0.023 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

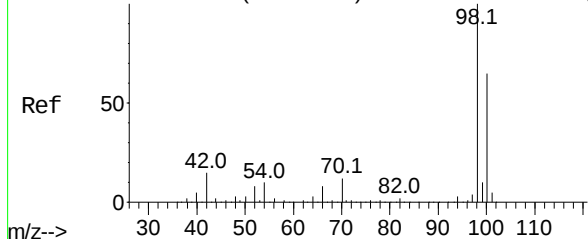
Tgt Ion:	41	Resp:	77
Ion	Ratio	Lower	Upper
41	100		
69	0.0	69.8	104.6#
39	129.9	35.6	53.4#



Abundance Scan 1285 (9.479 min): VD071116.D\data.ms (-1230) (-)

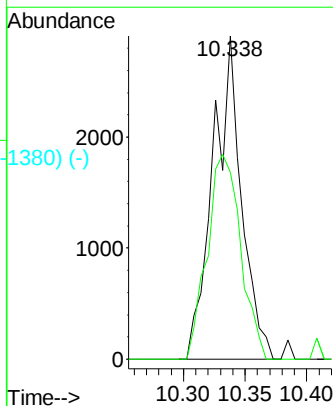
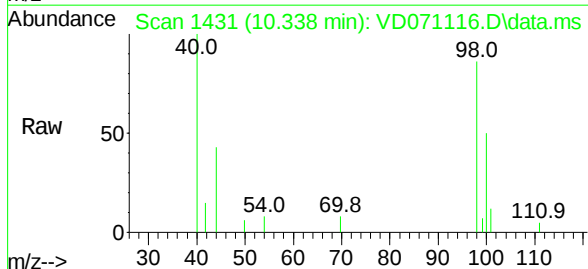


Abundance Scan 1431 (10.338 min): VD071075.D\data.ms (-1450) (-)

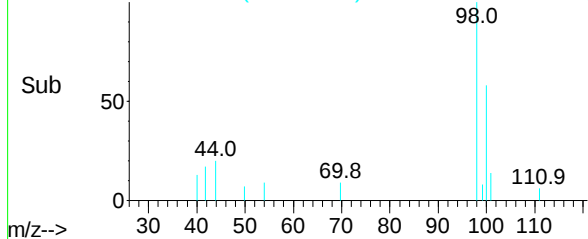


Toluene-d8
Concen: 42.03 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

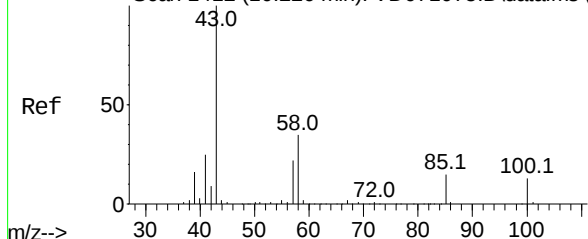
Tgt Ion:	98	Resp:	4704
Ion	Ratio	Lower	Upper
98	100		
100	73.8	51.8	77.6



Abundance Scan 1431 (10.338 min): VD071116.D\data.ms (-1380) (-)



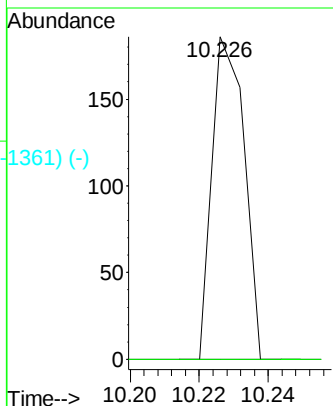
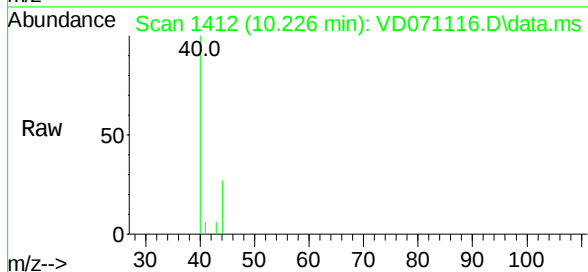
Abundance Scan 1412 (10.226 min): VD071075.D\data.ms (-1450) (-)



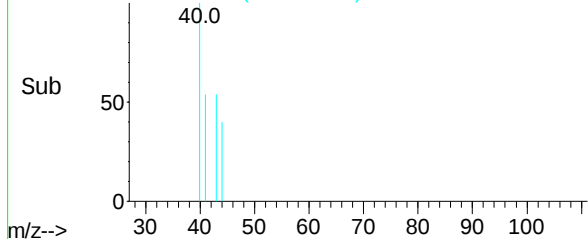
4-Methyl-2-Pentanone
Concen: 35.70 ug/l
RT: 10.226 min Scan# 1450
Delta R.T. -0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

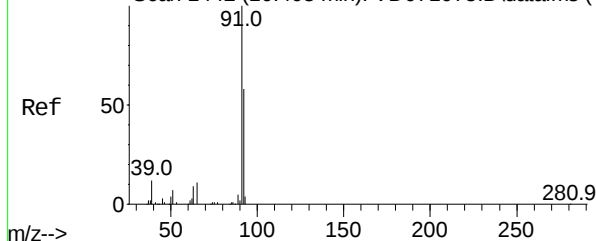
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



Abundance Scan 1412 (10.226 min): VD071116.D\data.ms (-1361) (-)

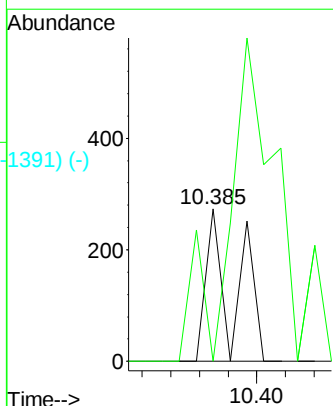
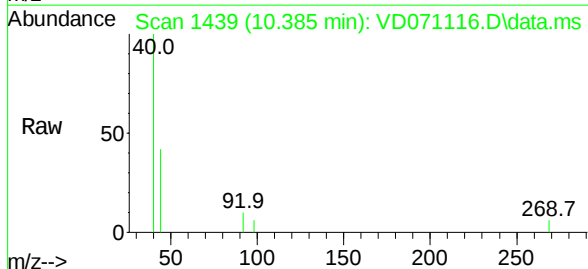


Abundance Scan 1442 (10.403 min): VD071075.D\data.ms (-1450) (-)

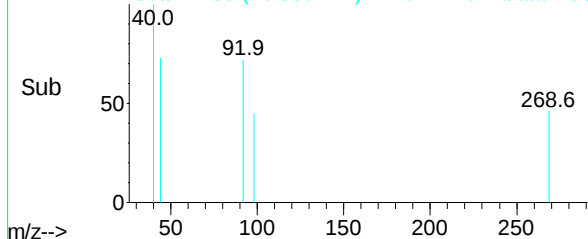


Toluene
Concen: 2.49 ug/l
RT: 10.385 min Scan# 1439
Delta R.T. -0.018 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

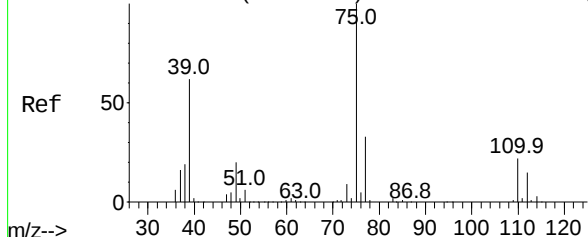
Tgt Ion: 92 Resp: 185
Ion Ratio Lower Upper
92 100
91 383.2 140.7 211.1#



Abundance Scan 1439 (10.385 min): VD071116.D\data.ms (-1391) (-)



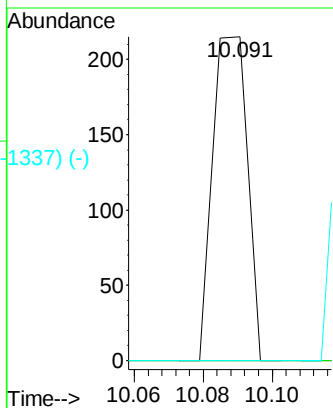
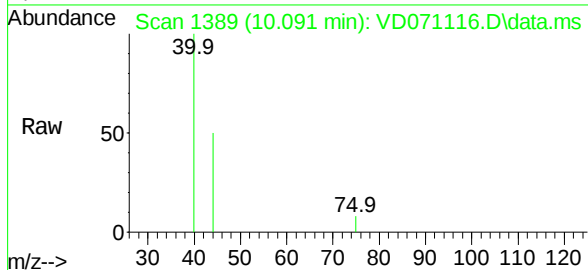
Abundance Scan 1388 (10.085 min): VD071075.D\data.ms (-1354) (-)



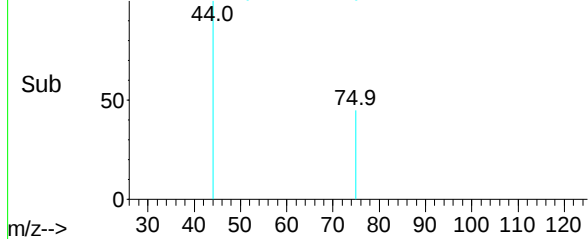
cis-1,3-Dichloropropene
Concen: 3.27 ug/l
RT: 10.091 min Scan# 151
Delta R.T. 0.006 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

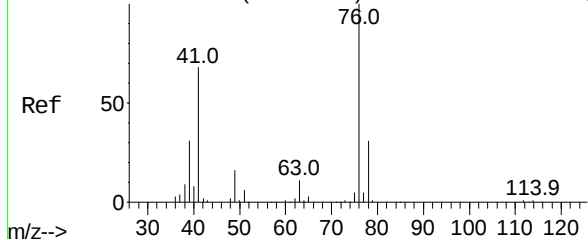
Tgt Ion: 75 Resp: 151
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 0.0 31.6 47.4#



Abundance Scan 1389 (10.091 min): VD071116.D\data.ms (-1337) (-)

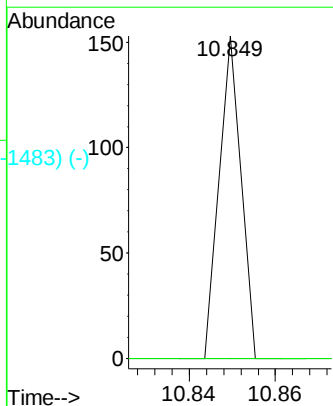
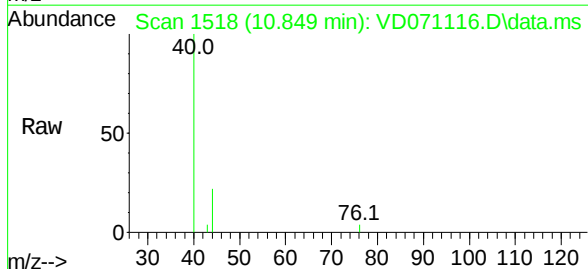


Abundance Scan 1534 (10.944 min): VD071075.D\data.ms (-1555) (-)

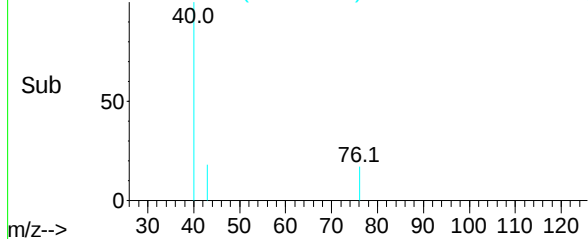


1,3-Dichloropropane
Concen: 1.46 ug/l
RT: 10.849 min Scan# 1518
Delta R.T. -0.095 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

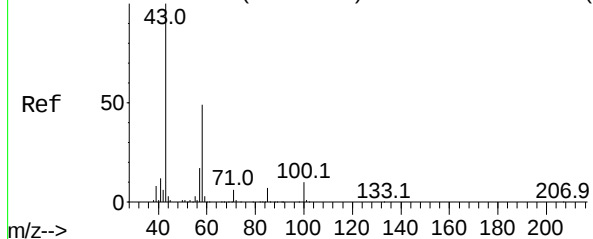
Tgt Ion: 76 Resp: 54
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



Abundance Scan 1518 (10.849 min): VD071116.D\data.ms (-1483) (-)



Abundance Scan 1540 (10.979 min): VD071075.D\data.ms (-1550) (-)

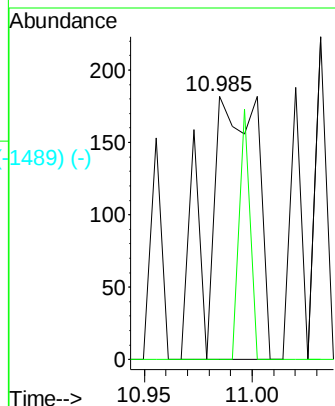
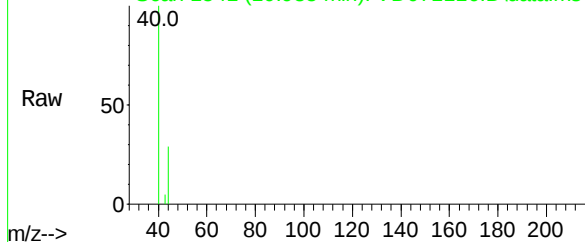


2-Hexanone
Concen: 50.68 ug/l
RT: 10.985 min Scan# 1540
Delta R.T. 0.006 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

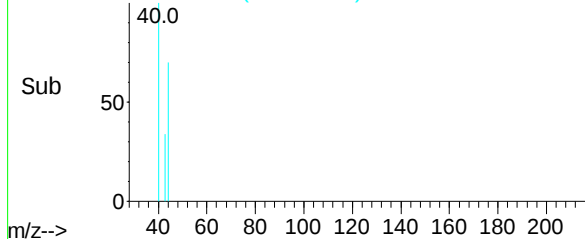
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
58 20.6 28.7 86.1#

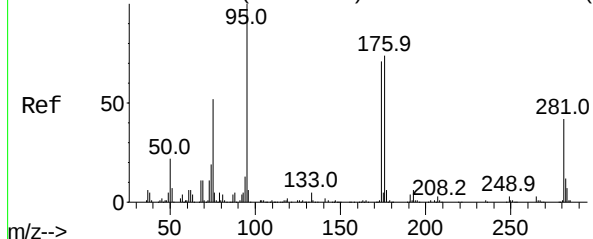
Abundance Scan 1541 (10.985 min): VD071116.D\data.ms



Abundance Scan 1541 (10.985 min): VD071116.D\data.ms (-1489) (-)



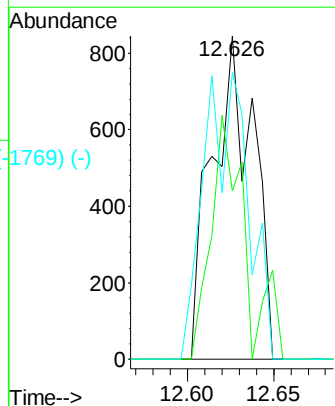
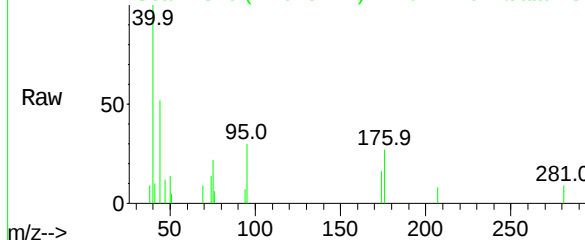
Abundance Scan 1820 (12.626 min): VD071075.D\data.ms (-1602) (-)



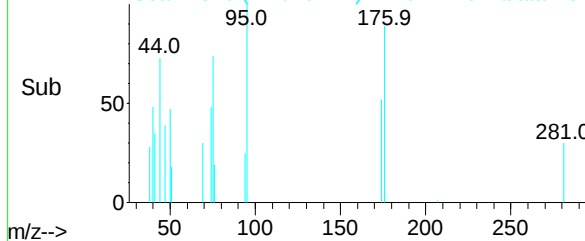
4-Bromofluorobenzene
Concen: 36.22 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Tgt Ion: 95 Resp: 1405
Ion Ratio Lower Upper
95 100
174 56.7 0.0 159.4
176 45.6 0.0 154.0

Abundance Scan 1820 (12.626 min): VD071116.D\data.ms



Abundance Scan 1820 (12.626 min): VD071116.D\data.ms (-1769) (-)



Abundance Scan 1652 (11.638 min): VD071075.D\data.ms (-1668) (-)

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. -0.000 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :

Abundance Scan 1652 (11.638 min): VD071116.D\data.ms

Ref

40.0 54.0 67.1 82.0 99.0 117.0

m/z-->

Abundance Scan 1652 (11.638 min): VD071116.D\data.ms

Raw

40.0 54.0 82.0 117.0

m/z-->

Abundance Scan 1652 (11.638 min): VD071116.D\data.ms (-1601) (-)

Sub

40.0 54.0 82.0 117.0

m/z-->

Tgt Ion:117 Resp: 3685

Ion Ratio Lower Upper

117 100

82 41.4 44.7 67.1#

119 26.3 26.2 39.4

Abundance

11.638

2000

1500

1000

500

0

Time-->

11.60 11.65

Abundance Scan 1522 (10.873 min): VD071075.D\data.ms (-1564) (-)

Tetrachloroethene

Concen: 2.56 ug/l

RT: 10.867 min Scan# 1521

Delta R.T. -0.006 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Tgt Ion:164 Resp: 60

Ion Ratio Lower Upper

164 100

166 0.0 102.6 153.8#

129 0.0 75.4 113.0#

131 0.0 70.6 106.0#

Abundance Scan 1521 (10.867 min): VD071116.D\data.ms

Ref

39.9 47.0 70.0 93.9 128.9 165.8

m/z-->

Abundance Scan 1521 (10.867 min): VD071116.D\data.ms

Raw

39.9 163.9

m/z-->

Abundance Scan 1521 (10.867 min): VD071116.D\data.ms (-1471) (-)

Sub

43.9 163.9

m/z-->

Abundance

10.867

200

150

100

50

0

Time-->

10.86 10.88

Abundance Scan 1669 (11.738 min): VD071075.D\data.ms (-1667) (-)

Ethyl Benzene

Concen: 1.79 ug/l

RT: 11.749 min Scan# 1667

Delta R.T. 0.011 min

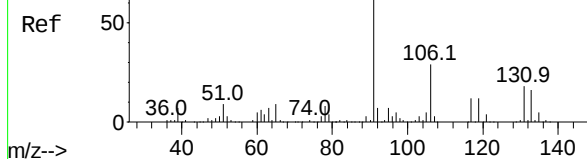
Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :

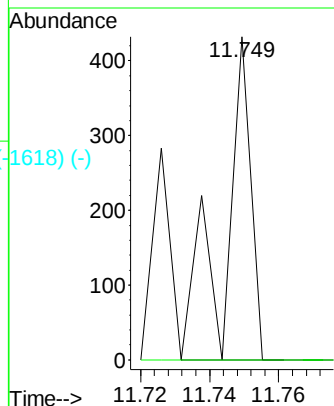
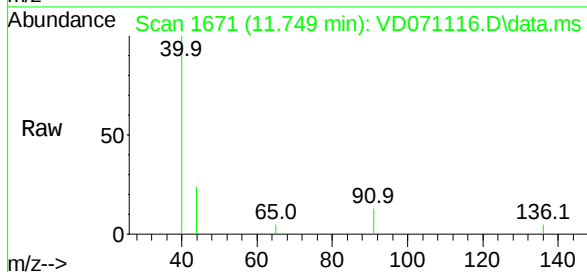


Tgt Ion: 91 Resp: 230

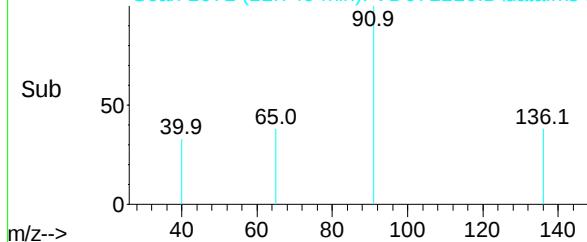
Ion Ratio Lower Upper

91 100

106 0.0 24.6 36.8#



Abundance Scan 1671 (11.749 min): VD071116.D\data.ms (-1618) (-)



Abundance Scan 1688 (11.850 min): VD071075.D\data.ms (-1678) (-)

m/p-Xylenes

Concen: 17.49 ug/l

RT: 11.844 min Scan# 1687

Delta R.T. -0.006 min

Lab File: VD071116.D

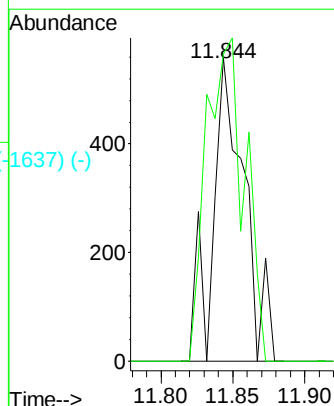
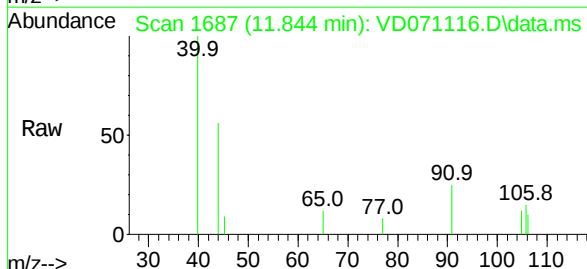
Acq: 02 Dec 2021 14:20

Tgt Ion: 106 Resp: 850

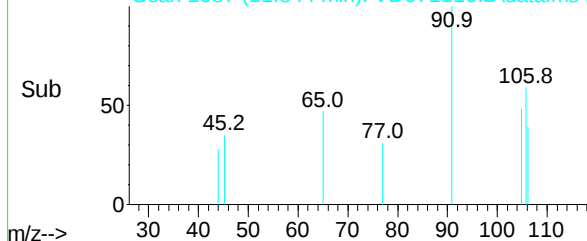
Ion Ratio Lower Upper

106 100

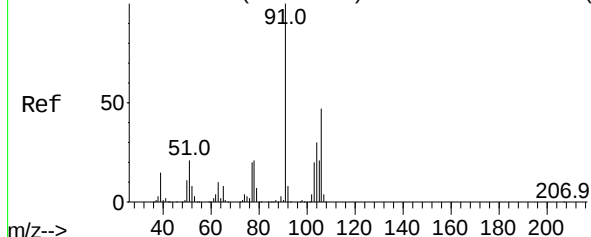
91 129.2 160.1 240.1#



Abundance Scan 1687 (11.844 min): VD071116.D\data.ms (-1637) (-)



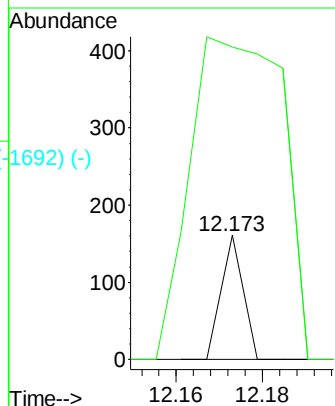
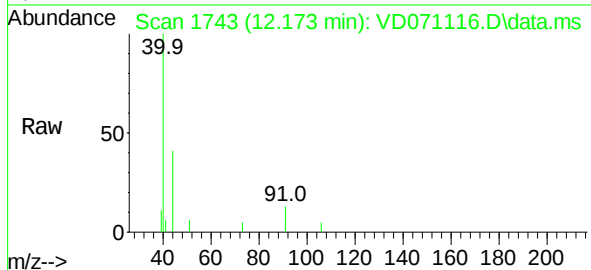
Abundance Scan 1743 (12.173 min): VD071075.D\data.ms (-1759) (-)



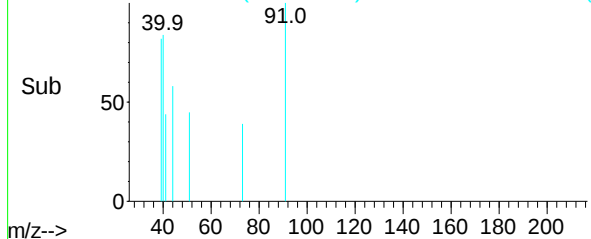
o-Xylene
Concen: 1.25 ug/l
RT: 12.173 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

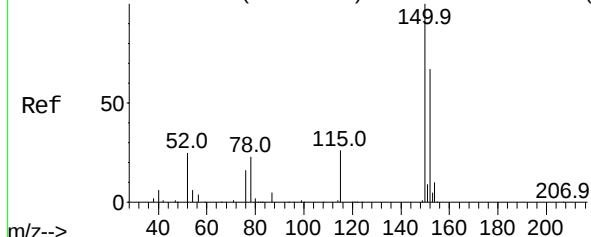
Tgt Ion:106 Resp: 57
Ion Ratio Lower Upper
106 100
91 1091.2 106.3 319.0#



Abundance Scan 1743 (12.173 min): VD071116.D\data.ms (-1692) (-)

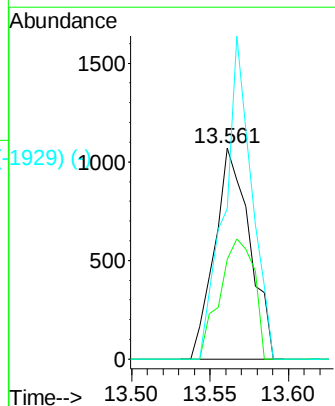
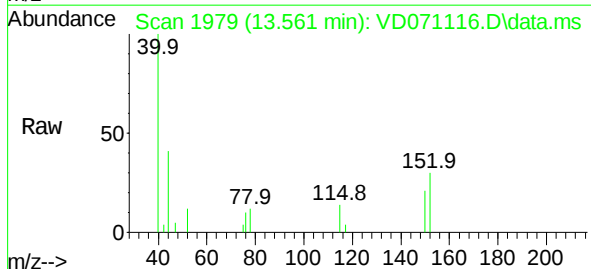


Abundance Scan 1980 (13.567 min): VD071075.D\data.ms (-1972) (-)

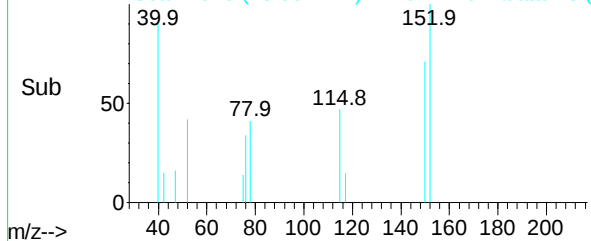


1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Tgt Ion:152 Resp: 1661
Ion Ratio Lower Upper
152 100
115 55.6 29.8 89.3
150 119.3 0.0 349.2



Abundance Scan 1979 (13.561 min): VD071116.D\data.ms (-1929) (-)



Abundance Scan 1794 (12.473 min): VD071075.D\data.ms (-1753) (-)

Isopropylbenzene

Concen: 2.97 ug/l

RT: 12.467 min Scan# 1753

Delta R.T. -0.006 min

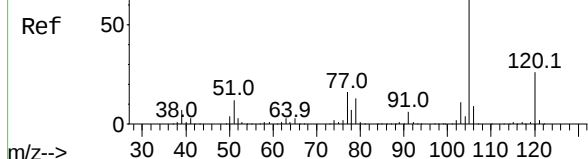
Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :

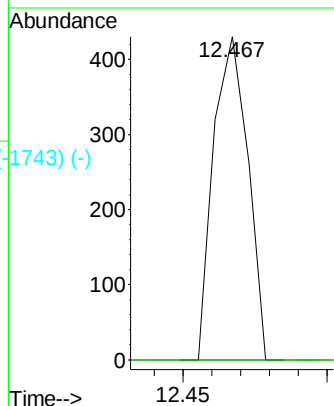
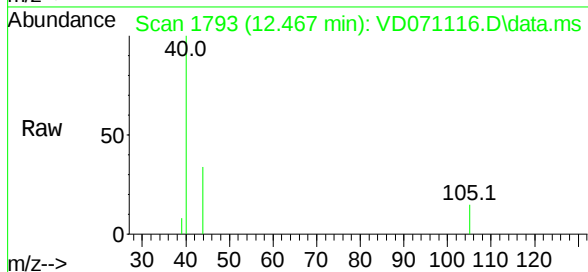


Tgt Ion:105 Resp: 357

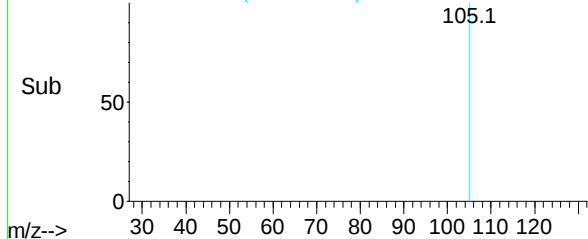
Ion Ratio Lower Upper

105 100

120 0.0 13.2 39.5#



Abundance Scan 1793 (12.467 min): VD071116.D\data.ms (-1743) (-)



Abundance Scan 1761 (12.279 min): VD071075.D\data.ms (-1752) (-)

N-amyI acetate

Concen: 8.66 ug/l

RT: 12.296 min Scan# 1764

Delta R.T. 0.017 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Tgt Ion: 43 Resp: 110

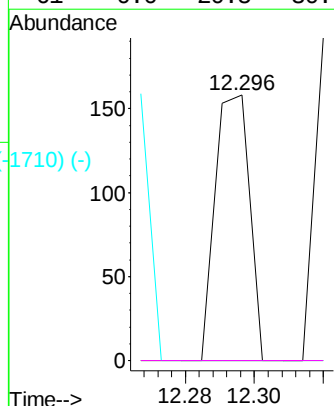
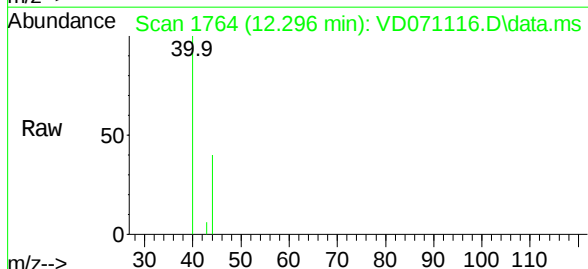
Ion Ratio Lower Upper

43 100

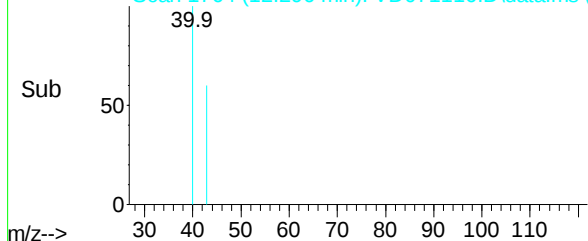
70 0.0 36.6 55.0#

55 0.0 22.5 33.7#

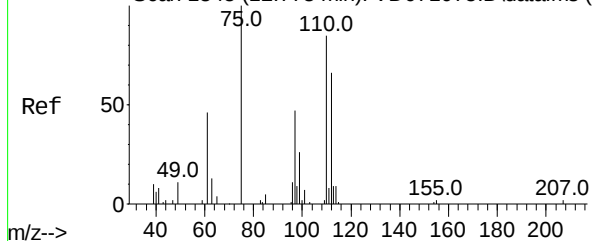
61 0.0 20.5 30.7#



Abundance Scan 1764 (12.296 min): VD071116.D\data.ms (-1710) (-)



Abundance Scan 1845 (12.773 min): VD071075.D\data.ms (-1875) (-)

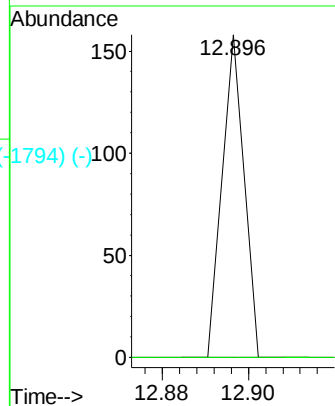
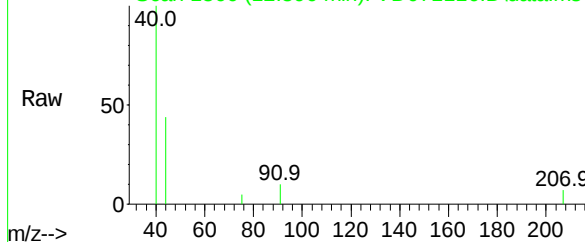


1,2,3-Trichloropropane
Concen: 3.54 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. 0.123 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

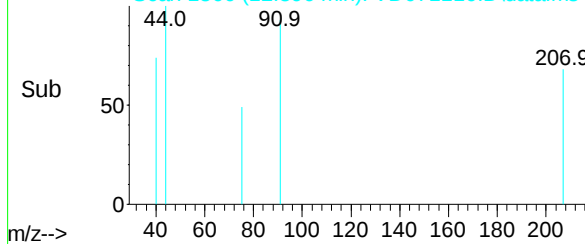
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#

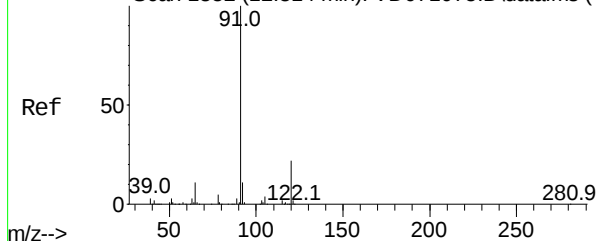
Abundance Scan 1866 (12.896 min): VD071116.D\data.ms



Abundance Scan 1866 (12.896 min): VD071116.D\data.ms (-1794) (-)



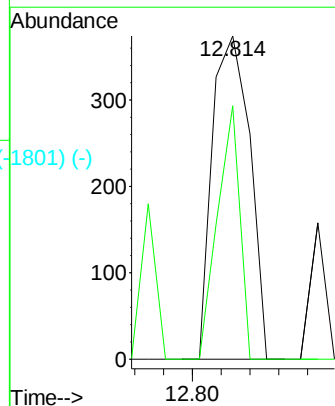
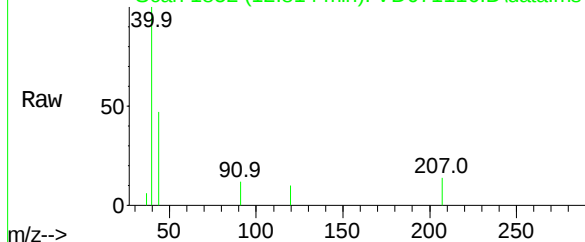
Abundance Scan 1852 (12.814 min): VD071075.D\data.ms (-1875) (-)



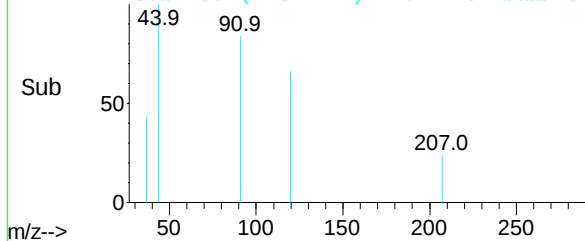
n-propylbenzene
Concen: 2.26 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

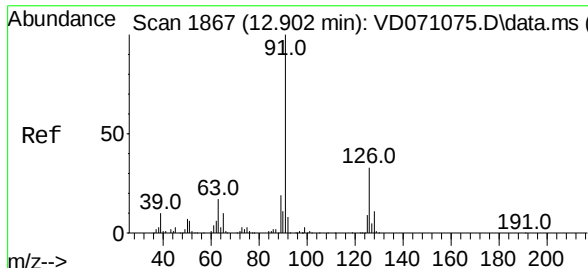
Tgt Ion: 91 Resp: 339
Ion Ratio Lower Upper
91 100
120 46.6 10.9 32.9#

Abundance Scan 1852 (12.814 min): VD071116.D\data.ms



Abundance Scan 1852 (12.814 min): VD071116.D\data.ms (-1801) (-)

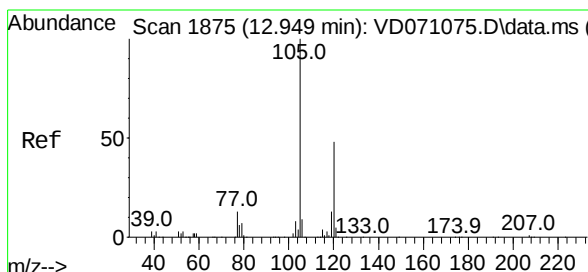
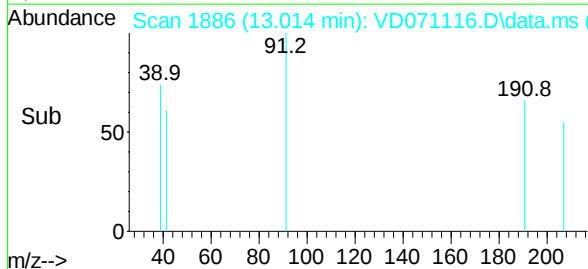
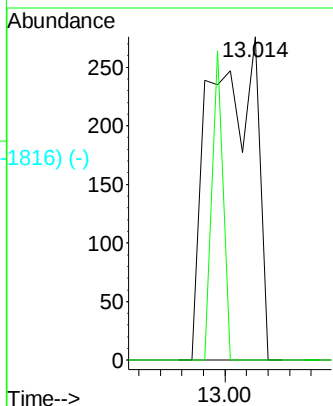
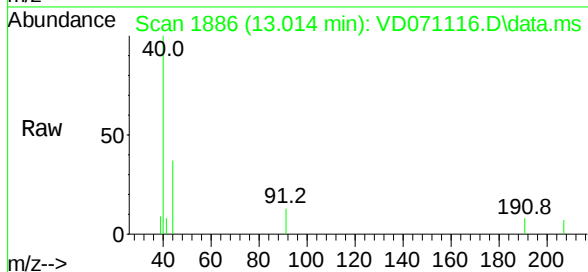




Scan 1867 (12.902 min): VD071075.D\data.ms (-1859) (-)
 2-Chlorotoluene
 Concen: 4.92 ug/l
 RT: 13.014 min Scan# 1886
 Delta R.T. 0.112 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

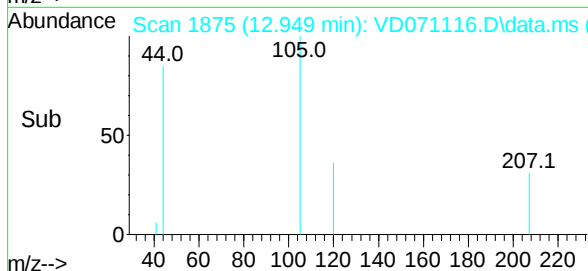
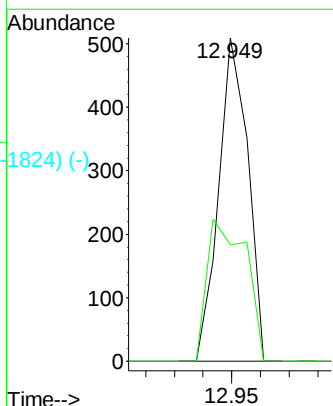
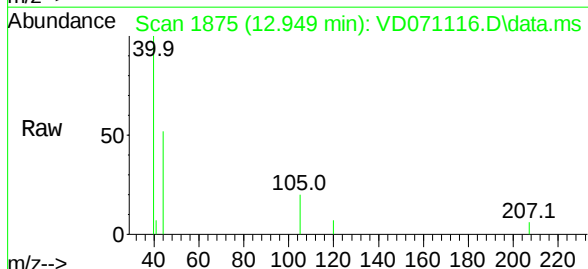
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 91 Resp: 414
 Ion Ratio Lower Upper
 91 100
 126 22.5 16.6 49.7



Scan 1875 (12.949 min): VD071075.D\data.ms (-1860) (-)
 1,3,5-Trimethylbenzene
 Concen: 3.63 ug/l
 RT: 12.949 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

Tgt Ion: 105 Resp: 360
 Ion Ratio Lower Upper
 105 100
 120 58.3 24.6 73.8



Abundance Scan 1802 (12.520 min): VD071075.D\data.ms (-1791) (-)

trans-1,4-Dichloro-2-butene

Concen: 114.28 ug/l

RT: 12.626 min Scan# 1802

Delta R.T. 0.106 min

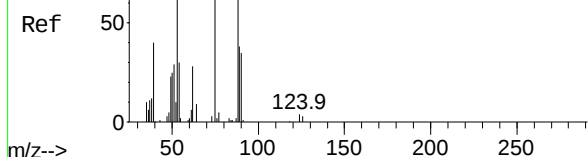
Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :



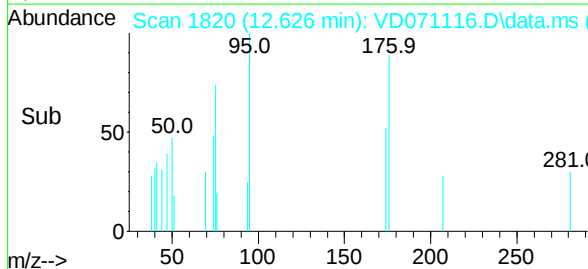
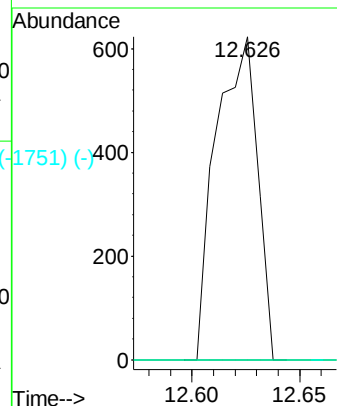
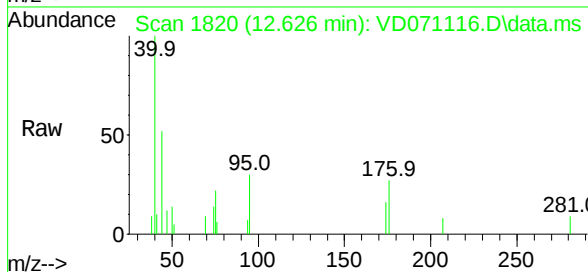
Tgt Ion: 75 Resp: 830

Ion Ratio Lower Upper

75 100

53 0.0 62.6 94.0#

89 0.0 34.5 51.7#



Abundance Scan 1883 (12.997 min): VD071075.D\data.ms (-1883) (-)

4-Chlorotoluene

Concen: 4.74 ug/l

RT: 13.014 min Scan# 1886

Delta R.T. 0.017 min

Lab File: VD071116.D

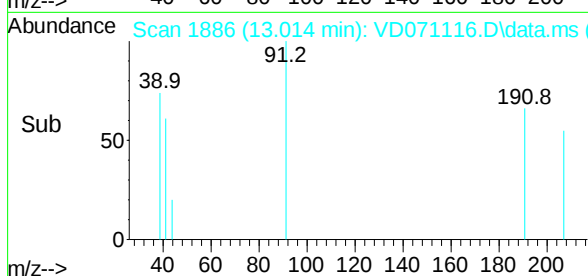
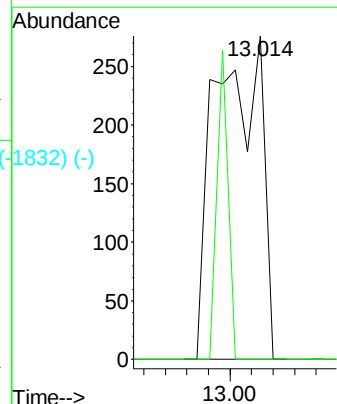
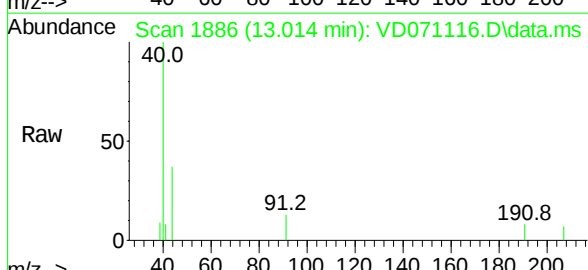
Acq: 02 Dec 2021 14:20

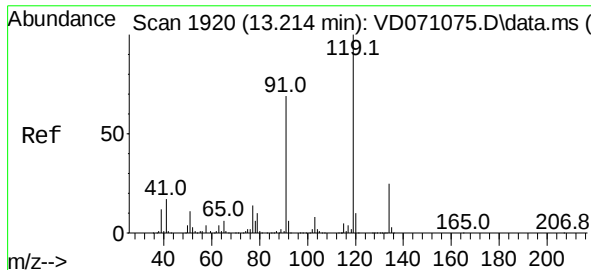
Tgt Ion: 91 Resp: 414

Ion Ratio Lower Upper

91 100

126 22.5 16.4 49.1

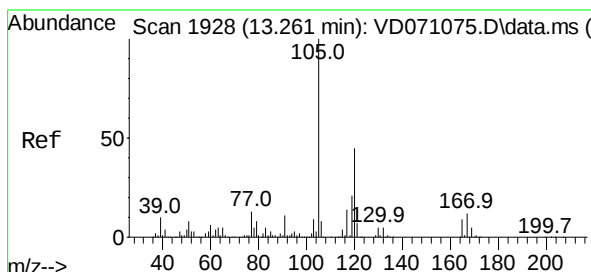
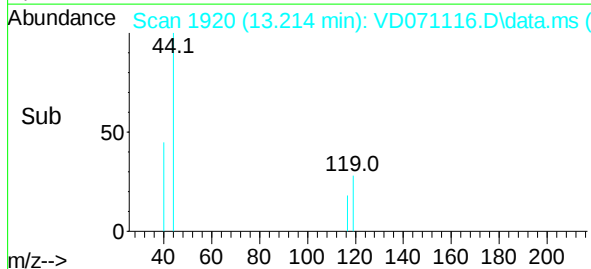
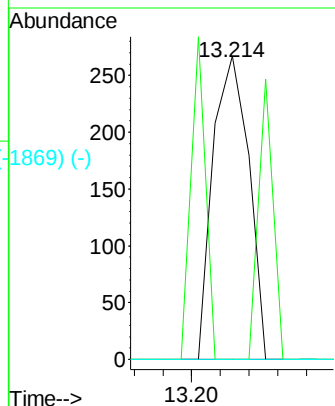
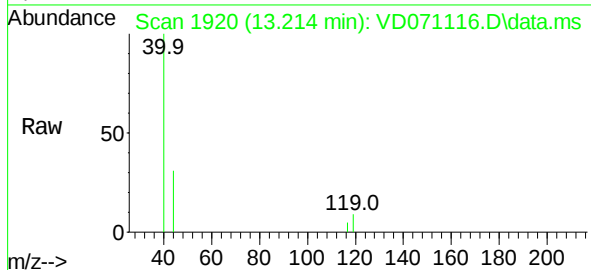




tert-Butylbenzene
Concen: 2.71 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

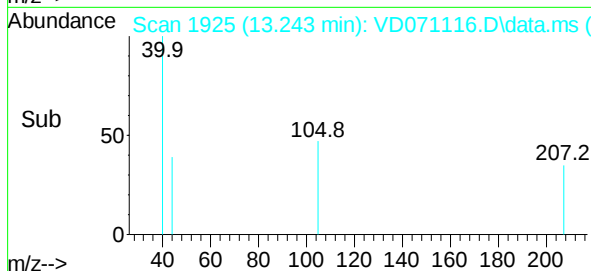
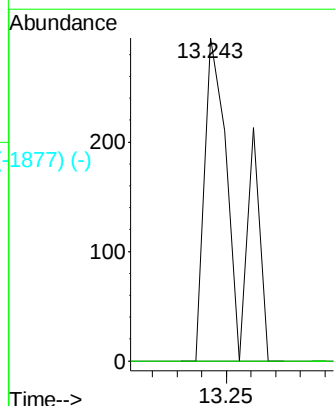
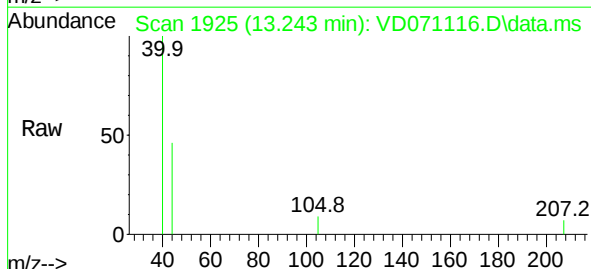
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	231
Ion	Ratio	Lower	Upper
119	100		
91	37.7	32.5	97.5
134	0.0	13.2	39.6#

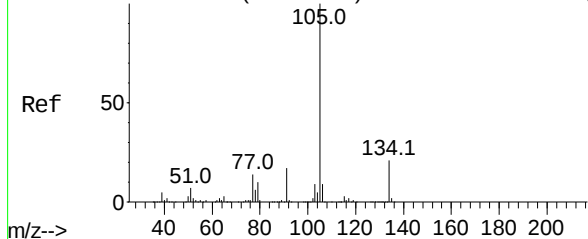


1,2,4-Trimethylbenzene
Concen: 2.61 ug/l
RT: 13.243 min Scan# 1925
Delta R.T. -0.018 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Tgt Ion:	105	Resp:	253
Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.9	68.7#



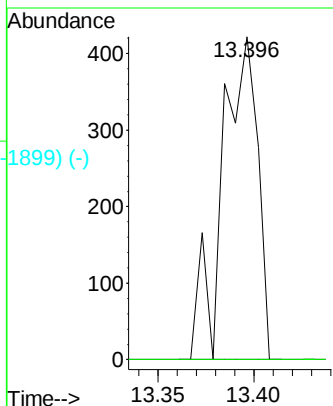
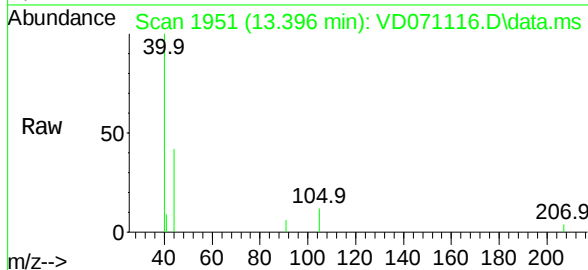
Abundance Scan 1950 (13.391 min): VD071075.D\data.ms (-1985) (-)



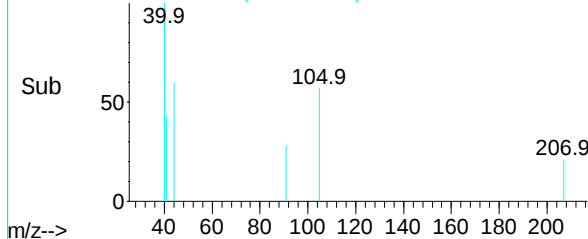
sec-Butylbenzene
Concen: 4.17 ug/l
RT: 13.396 min Scan# 1950
Delta R.T. 0.005 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

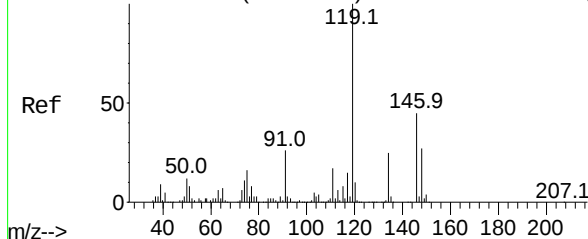
Tgt Ion:105 Resp: 542
Ion Ratio Lower Upper
105 100
134 0.0 9.7 28.9#



Abundance Scan 1951 (13.396 min): VD071116.D\data.ms (-1899) (-)

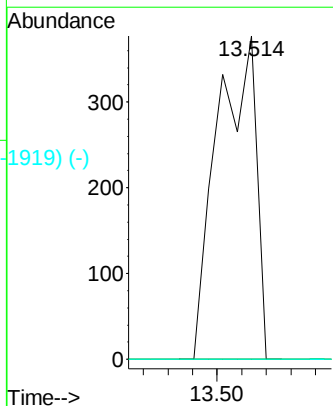
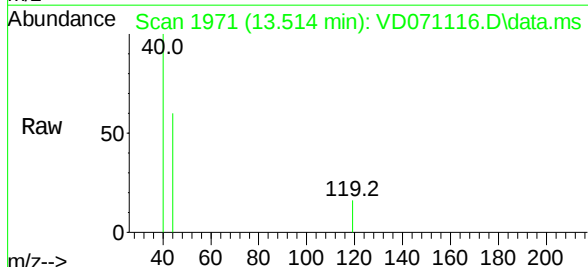


Abundance Scan 1970 (13.508 min): VD071075.D\data.ms (-1986) (-)

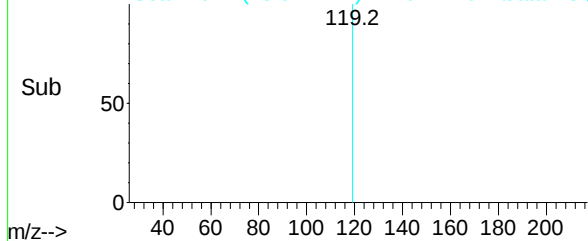


p-Isopropyltoluene
Concen: 3.89 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.006 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

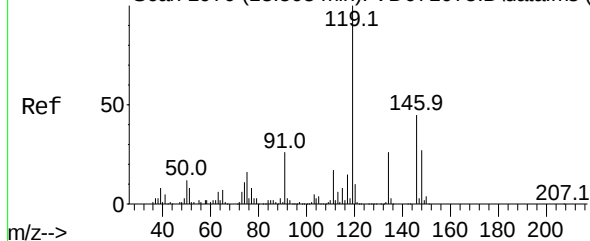
Tgt Ion:119 Resp: 414
Ion Ratio Lower Upper
119 100
134 0.0 13.0 38.9#
91 0.0 11.4 34.2#



Abundance Scan 1971 (13.514 min): VD071116.D\data.ms (-1919) (-)



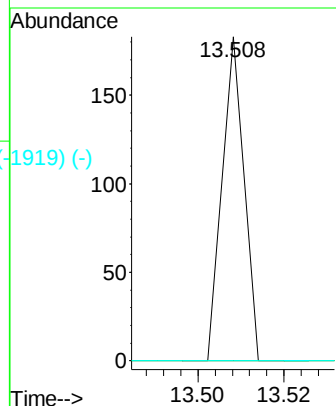
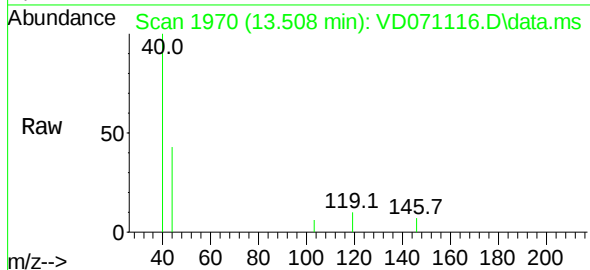
Abundance Scan 1970 (13.508 min): VD071075.D\data.ms (-1987) (-)



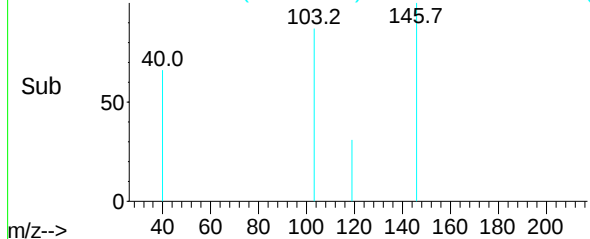
1,3-Dichlorobenzene
Concen: 1.25 ug/l
RT: 13.508 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :

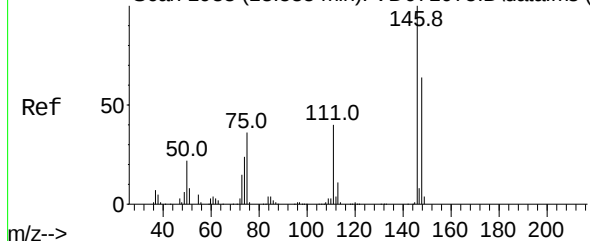
Tgt Ion:	146	Resp:	65
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.8	59.4#
148	0.0	32.1	96.3#



Abundance Scan 1970 (13.508 min): VD071116.D\data.ms (-1919) (-)

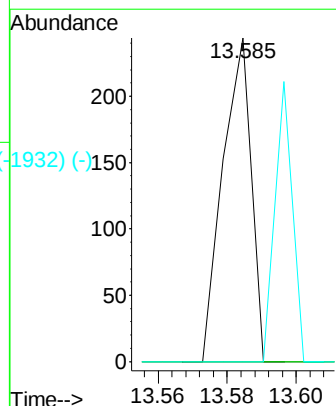
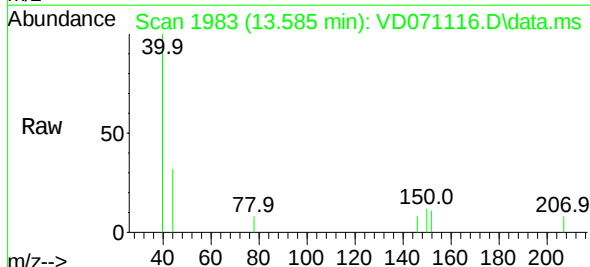


Abundance Scan 1983 (13.585 min): VD071075.D\data.ms (-1988) (-)

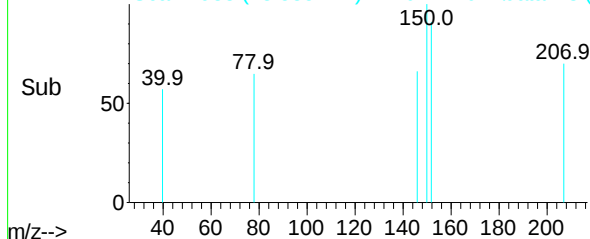


1,4-Dichlorobenzene
Concen: 2.72 ug/l
RT: 13.585 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VD071116.D
Acq: 02 Dec 2021 14:20

Tgt Ion:	146	Resp:	140
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.6	58.8#
148	52.9	31.5	94.5



Abundance Scan 1983 (13.585 min): VD071116.D\data.ms (-1932) (-)



Abundance Scan 2025 (13.832 min): VD071075.D\data.ms (-2019) (-)

n-Butylbenzene

Concen: 5.62 ug/l

RT: 13.826 min Scan# 1

Delta R.T. -0.006 min

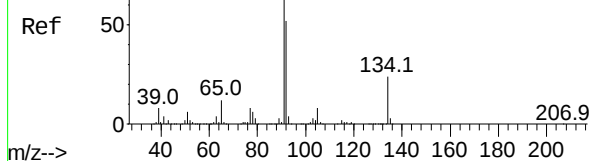
Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

Instrument :

MSVOA_D

ClientSampleId :



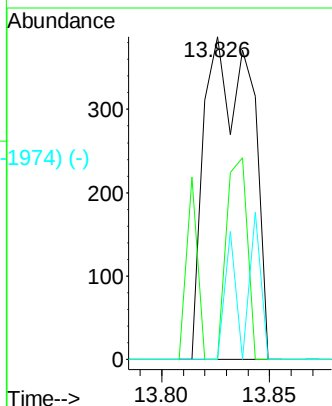
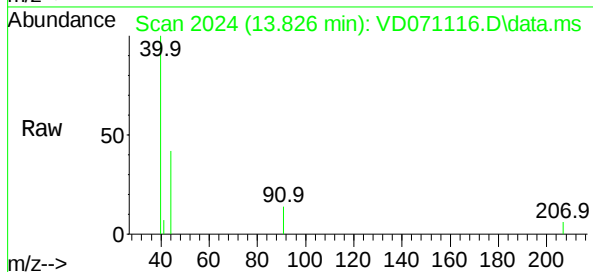
Tgt Ion: 91 Resp: 584

Ion Ratio Lower Upper

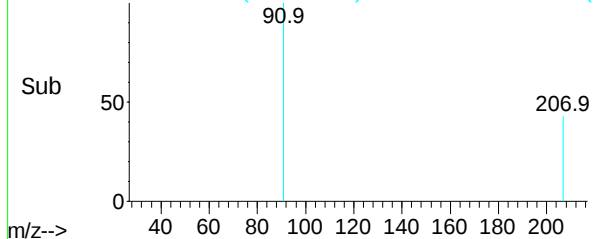
91 100

92 28.1 27.3 81.9

134 9.2 12.3 36.9#



Abundance Scan 2024 (13.826 min): VD071116.D\data.ms (-1974) (-)



Abundance Scan 2137 (14.491 min): VD071075.D\data.ms (-2129) (-)

1,2-Dibromo-3-Chloropropane

Concen: 20.77 ug/l

RT: 14.473 min Scan# 2134

Delta R.T. -0.018 min

Lab File: VD071116.D

Acq: 02 Dec 2021 14:20

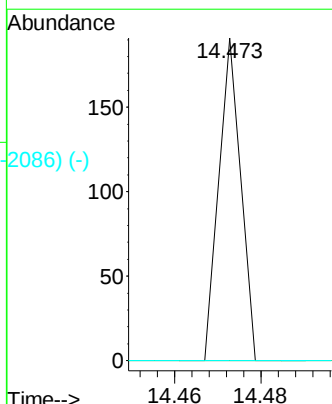
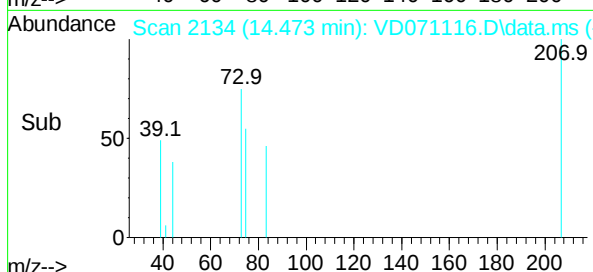
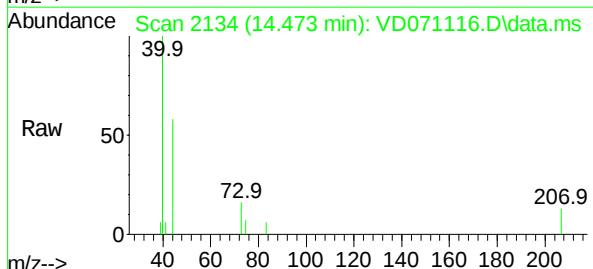
Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

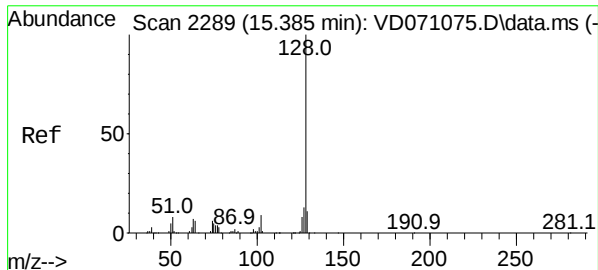
155 0.0 40.0 120.0#

157 0.0 49.8 149.3#



Abundance Scan 2134 (14.473 min): VD071116.D\data.ms (-2086) (-)

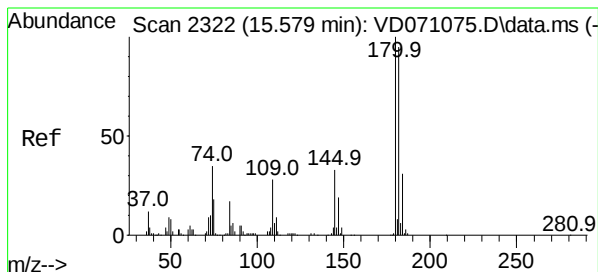
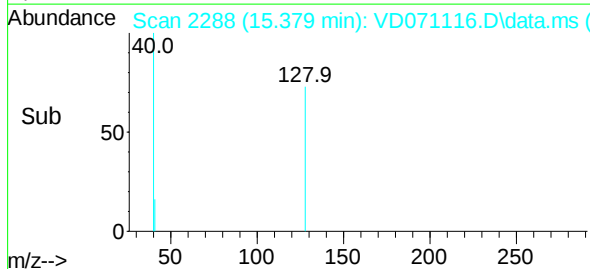
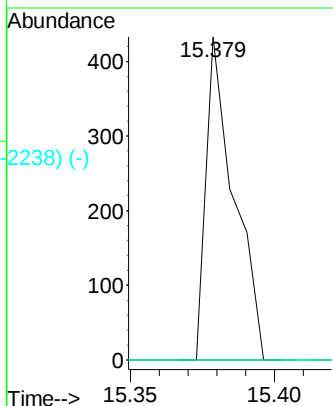
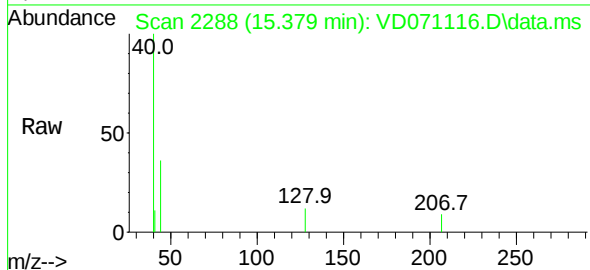




Scan 2289 (15.385 min): VD071075.D\data.ms (-2289) (-)
 Naphthalene
 Concen: 6.06 ug/l
 RT: 15.379 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	128	Resp:	294
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#



Scan 2322 (15.579 min): VD071075.D\data.ms (-2322) (-)
 1,2,3-Trichlorobenzene
 Concen: 2.61 ug/l
 RT: 15.579 min Scan# 2322
 Delta R.T. -0.000 min
 Lab File: VD071116.D
 Acq: 02 Dec 2021 14:20

Tgt Ion:	180	Resp:	61
Ion	Ratio	Lower	Upper
180	100		
182	124.6	46.7	140.1
145	0.0	15.9	47.6#

