

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032923\
 Data File : VD075536.D
 Acq On : 29 Mar 2023 17:03
 Operator : KP/SY
 Sample : 02121-15
 Misc : 5.04G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C1188

Quant Time: Mar 29 23:38:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Mar 29 23:32:17 2023
 Response via : Initial Calibration

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

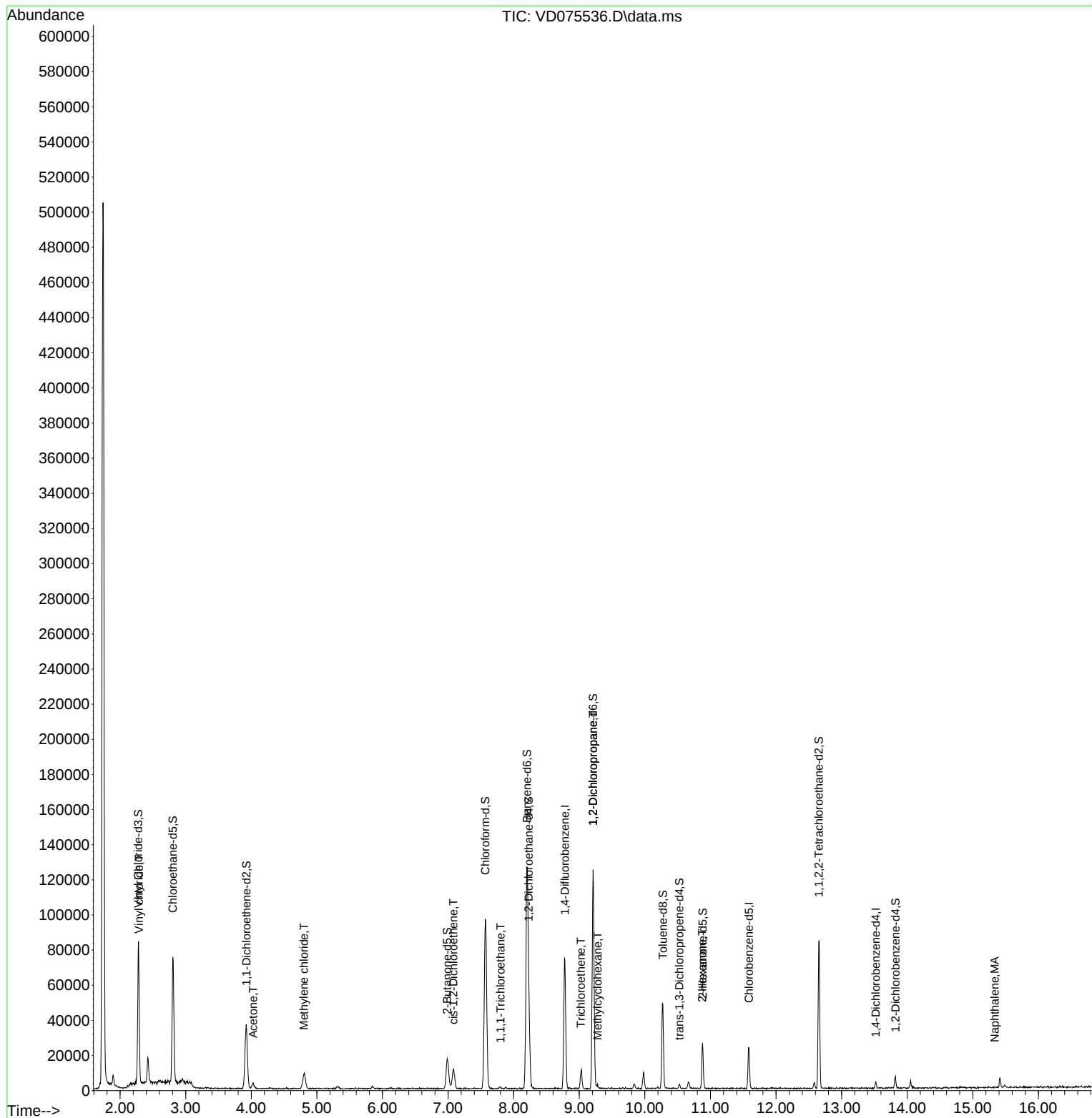
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	73115	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	15735	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	1397	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	56979	31.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 125.560%	
7) Chloroethane-d5	2.805	69	78222	49.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 199.160%#	
11) 1,1-Dichloroethene-d2	3.928	63	31229	18.416	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 73.680%	
21) 2-Butanone-d5	6.987	46	27930	166.020	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 332.040%#	
24) Chloroform-d	7.569	84	108476	56.613	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 226.440%#	
26) 1,2-Dichloroethane-d4	8.228	65	29856	35.967	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 143.880%#	
32) Benzene-d6	8.204	84	150028	160.549	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 642.200%#	
36) 1,2-Dichloropropane-d6	9.210	67	63060	238.760	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 955.040%#	
41) Toluene-d8	10.275	98	37545	44.042	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 176.160%#	
43) trans-1,3-Dichloroprop...	10.528	79	1859	17.224	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 68.880%	
47) 2-Hexanone-d5	10.881	63	9562	250.959	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 501.920%#	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	44805	202.804	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 811.200%#	
66) 1,2-Dichlorobenzene-d4	13.822	152	2169	44.387	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 177.560%#	
Target Compounds						
						Qvalue
5) Vinyl chloride	2.287	62	19888	8.360	ug/L	98
13) Acetone	4.028	43	4736	24.921	ug/L	97
16) Methylene chloride	4.805	84	7747	5.017	ug/L	92
20) cis-1,2-Dichloroethene	7.081	96	7751	5.909	ug/L	87
30) 1,1,1-Trichloroethane	7.799	97	644	1.522	ug/L #	70
34) Trichloroethene	9.028	95	3809	12.898	ug/L	92
35) Methylcyclohexane	9.281	83	389	0.844	ug/L #	1
37) 1,2-Dichloropropane	9.210	63	6317	22.733	ug/L #	86
48) 2-Hexanone	10.875	43	980	12.499	ug/L #	45
71) Naphthalene	15.333	128	417	4.012	ug/L #	69

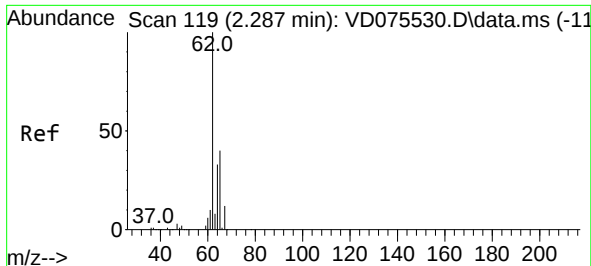
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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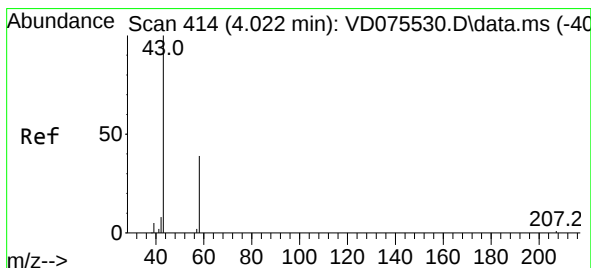
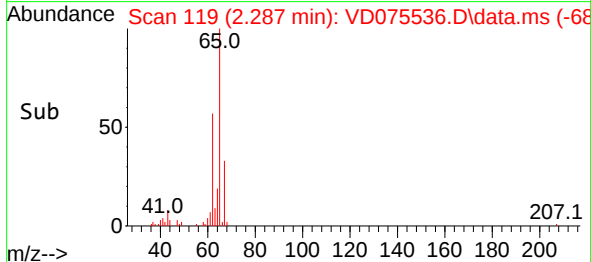
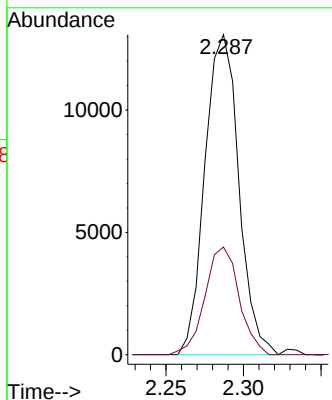
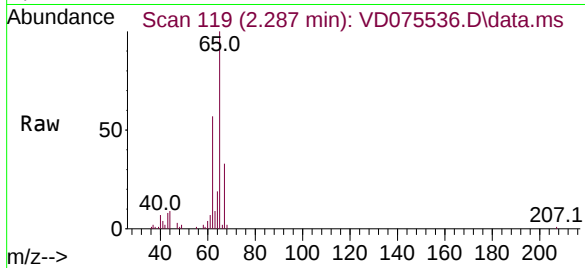




#5
Vinyl chloride
Concen: 8.360 ug/L
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD075536.D
Acq: 29 Mar 2023 17:03

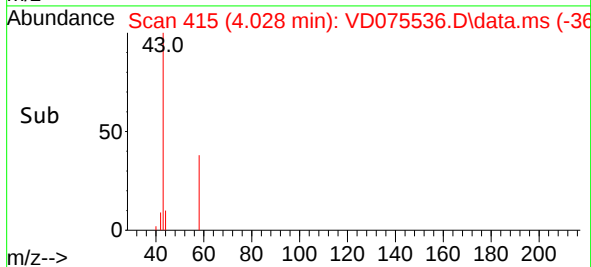
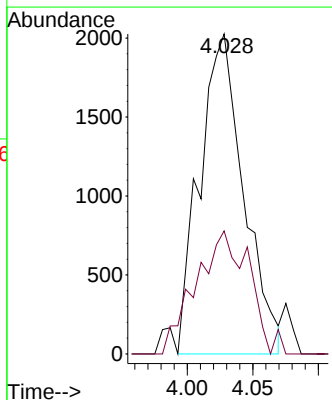
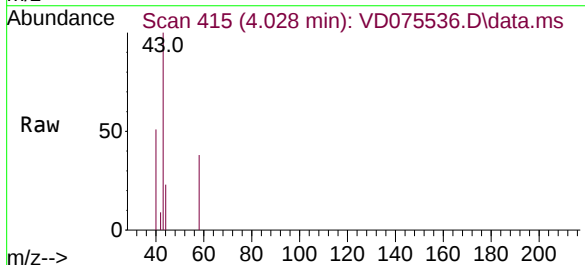
Instrument :
MSVOA_D
ClientSampleId :
C1188

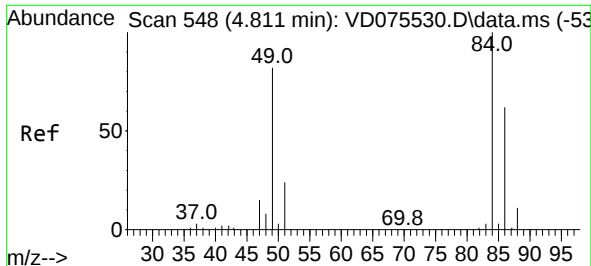
Tgt Ion: 62 Resp: 19888
Ion Ratio Lower Upper
62 100
64 33.7 22.7 42.3



#13
Acetone
Concen: 24.921 ug/L
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD075536.D
Acq: 29 Mar 2023 17:03

Tgt Ion: 43 Resp: 4736
Ion Ratio Lower Upper
43 100
58 36.0 0.0 75.4

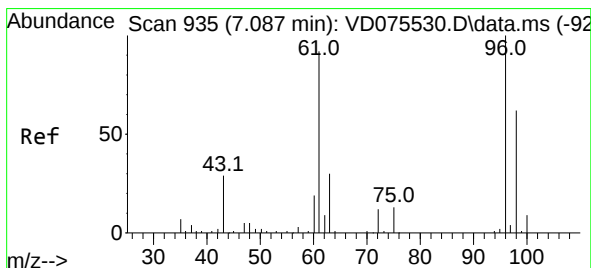
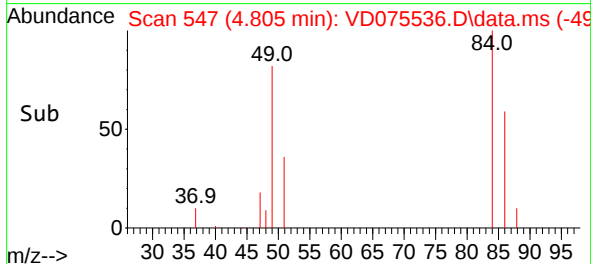
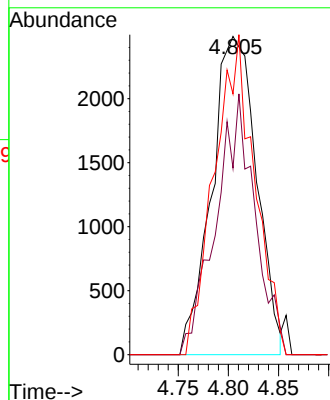
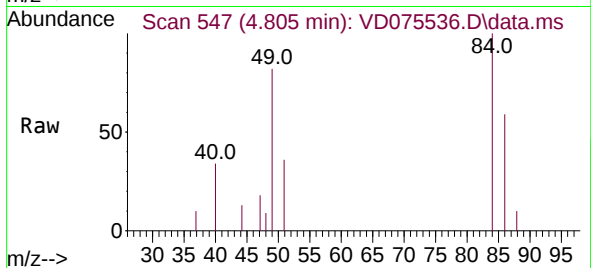




#16
Methylene chloride
Concen: 5.017 ug/L
RT: 4.805 min Scan# 548
Delta R.T. -0.006 min
Lab File: VD075536.D
Acq: 29 Mar 2023 17:03

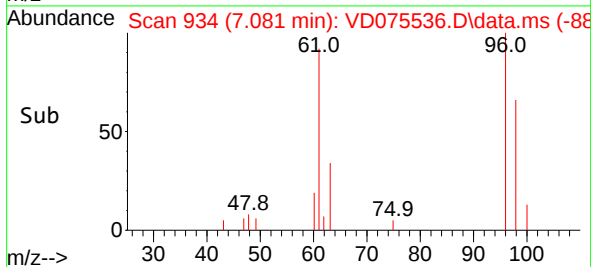
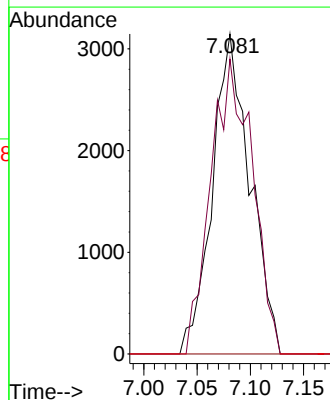
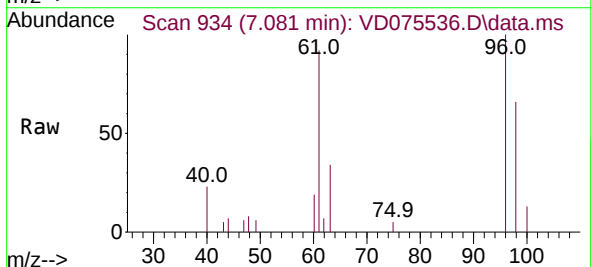
Instrument :
MSVOA_D
ClientSampleId :
C1188

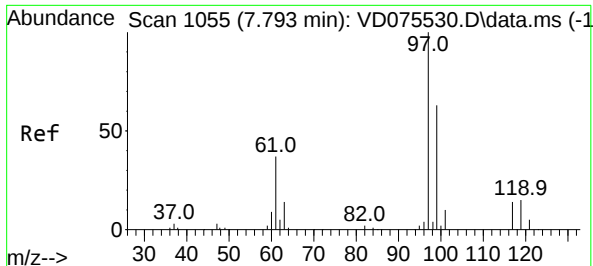
Tgt Ion: 84	Resp:	7747	
Ion	Ratio	Lower	Upper
84	100		
86	58.6	44.2	82.2
49	82.0	63.6	118.2



#20
cis-1,2-Dichloroethene
Concen: 5.909 ug/L
RT: 7.081 min Scan# 934
Delta R.T. -0.006 min
Lab File: VD075536.D
Acq: 29 Mar 2023 17:03

Tgt Ion: 96	Resp:	7751	
Ion	Ratio	Lower	Upper
96	100		
61	92.2	73.9	137.3
68	0.0	0.0	0.0





#30

1,1,1-Trichloroethane

Concen: 1.522 ug/L

RT: 7.799 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VD075536.D

Acq: 29 Mar 2023 17:03

Instrument :

MSVOA_D

ClientSampleId :

C1188

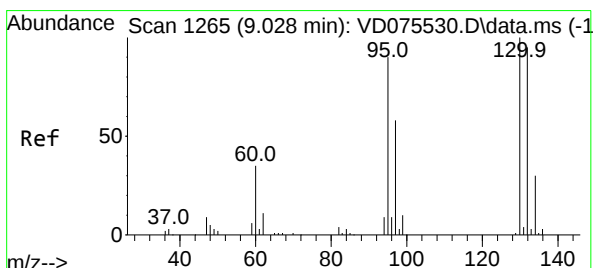
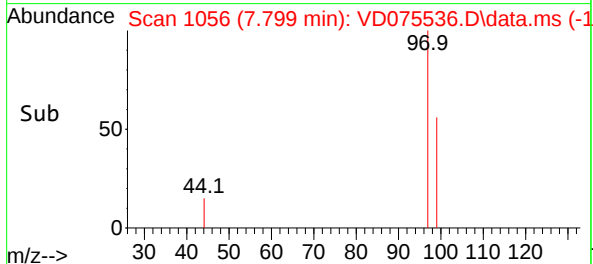
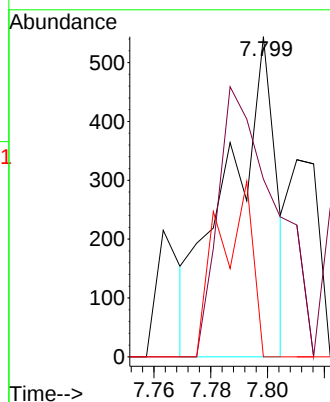
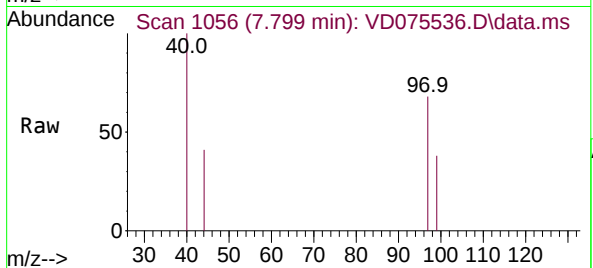
Tgt Ion: 97 Resp: 644

Ion Ratio Lower Upper

97 100

99 99.2 51.0 76.4#

61 38.0 34.0 51.0



#34

Trichloroethene

Concen: 12.898 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD075536.D

Acq: 29 Mar 2023 17:03

Tgt Ion: 95 Resp: 3809

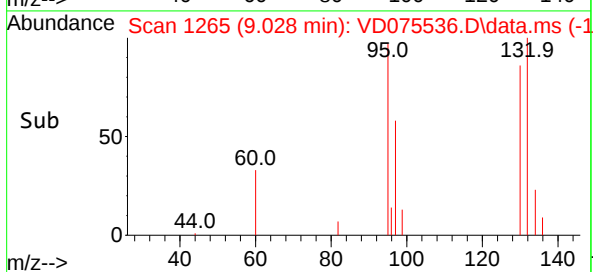
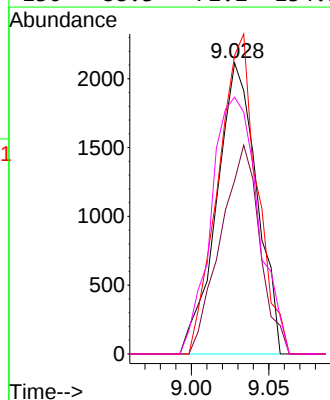
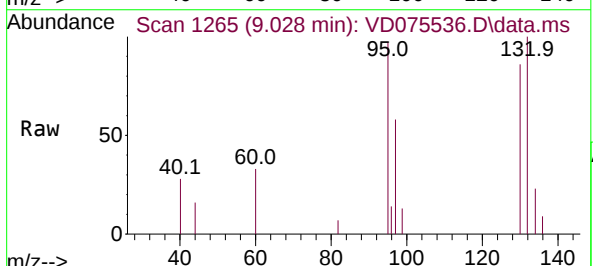
Ion Ratio Lower Upper

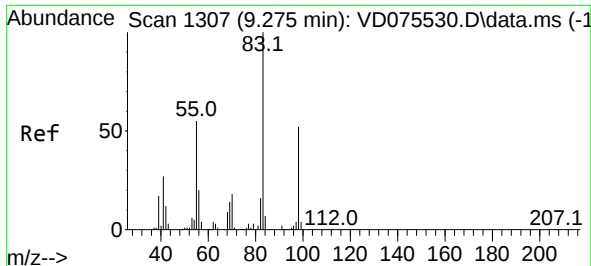
95 100

97 59.6 44.7 83.1

132 102.7 70.0 130.0

130 88.3 72.2 134.2

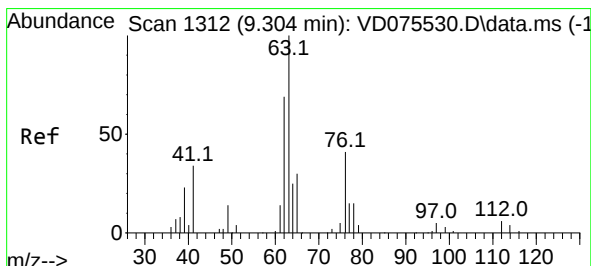
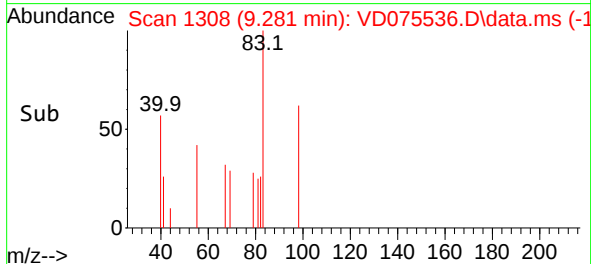
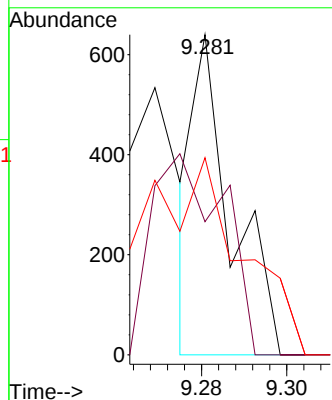
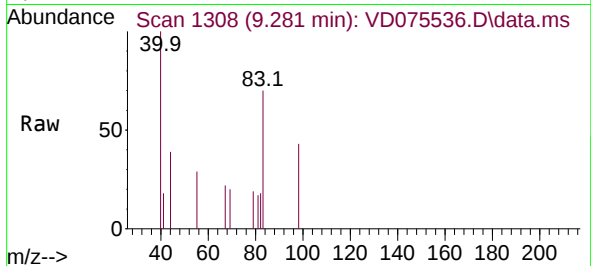




#35
Methylcyclohexane
Concen: 0.844 ug/L
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075536.D
Acq: 29 Mar 2023 17:03

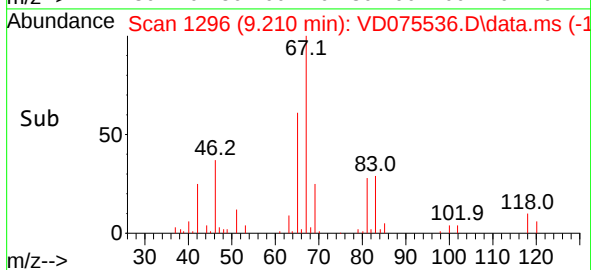
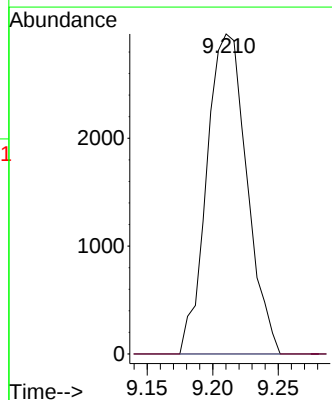
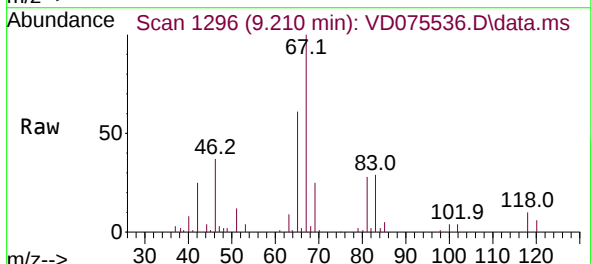
Instrument :
MSVOA_D
ClientSampleId :
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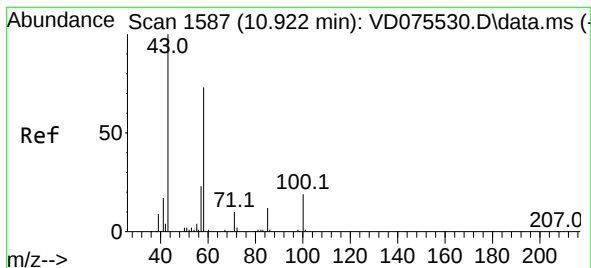
Tgt Ion: 83 Resp: 389
Ion Ratio Lower Upper
83 100
55 122.1 49.3 73.9#
98 145.8 39.8 59.6#



#37
1,2-Dichloropropane
Concen: 22.733 ug/L
RT: 9.210 min Scan# 1296
Delta R.T. -0.094 min
Lab File: VD075536.D
Acq: 29 Mar 2023 17:03

Tgt Ion: 63 Resp: 6317
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#





#48

2-Hexanone

Concen: 12.499 ug/L

RT: 10.875 min Scan# 11

Delta R.T. -0.047 min

Lab File: VD075536.D

Acq: 29 Mar 2023 17:03

Instrument :

MSVOA_D

ClientSampleId :

C1188

Tgt Ion: 43 Resp: 980

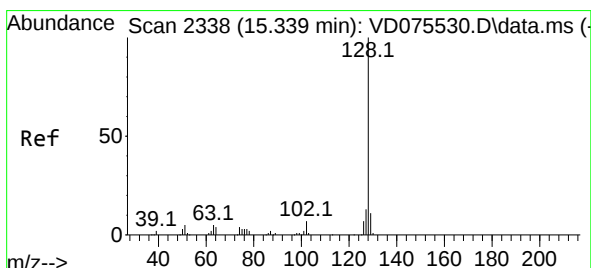
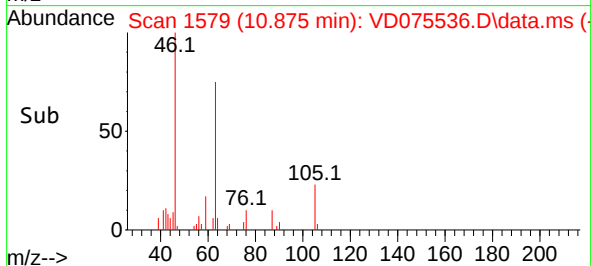
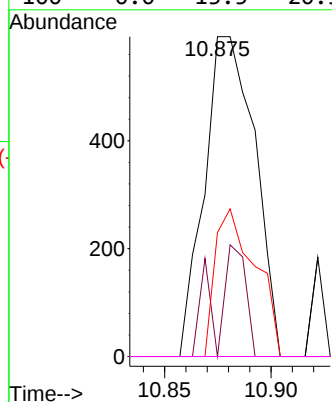
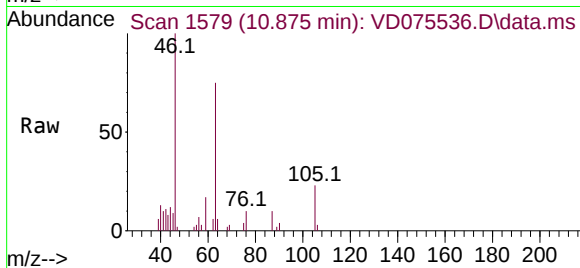
Ion Ratio Lower Upper

43 100

58 14.1 53.1 79.7#

57 36.6 16.7 25.1#

100 0.0 13.5 20.3#



#71

Naphthalene

Concen: 4.012 ug/L

RT: 15.333 min Scan# 2337

Delta R.T. -0.006 min

Lab File: VD075536.D

Acq: 29 Mar 2023 17:03

Tgt Ion:128 Resp: 417

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.8 13.2#

