

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050323\
 Data File : VD075981.D
 Acq On : 03 May 2023 14:59
 Operator : KP/SY
 Sample : 02593-01
 Misc : 5.58G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DCCH7

Quant Time: May 04 03:08:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 04 02:54:49 2023
 Response via : Initial Calibration

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

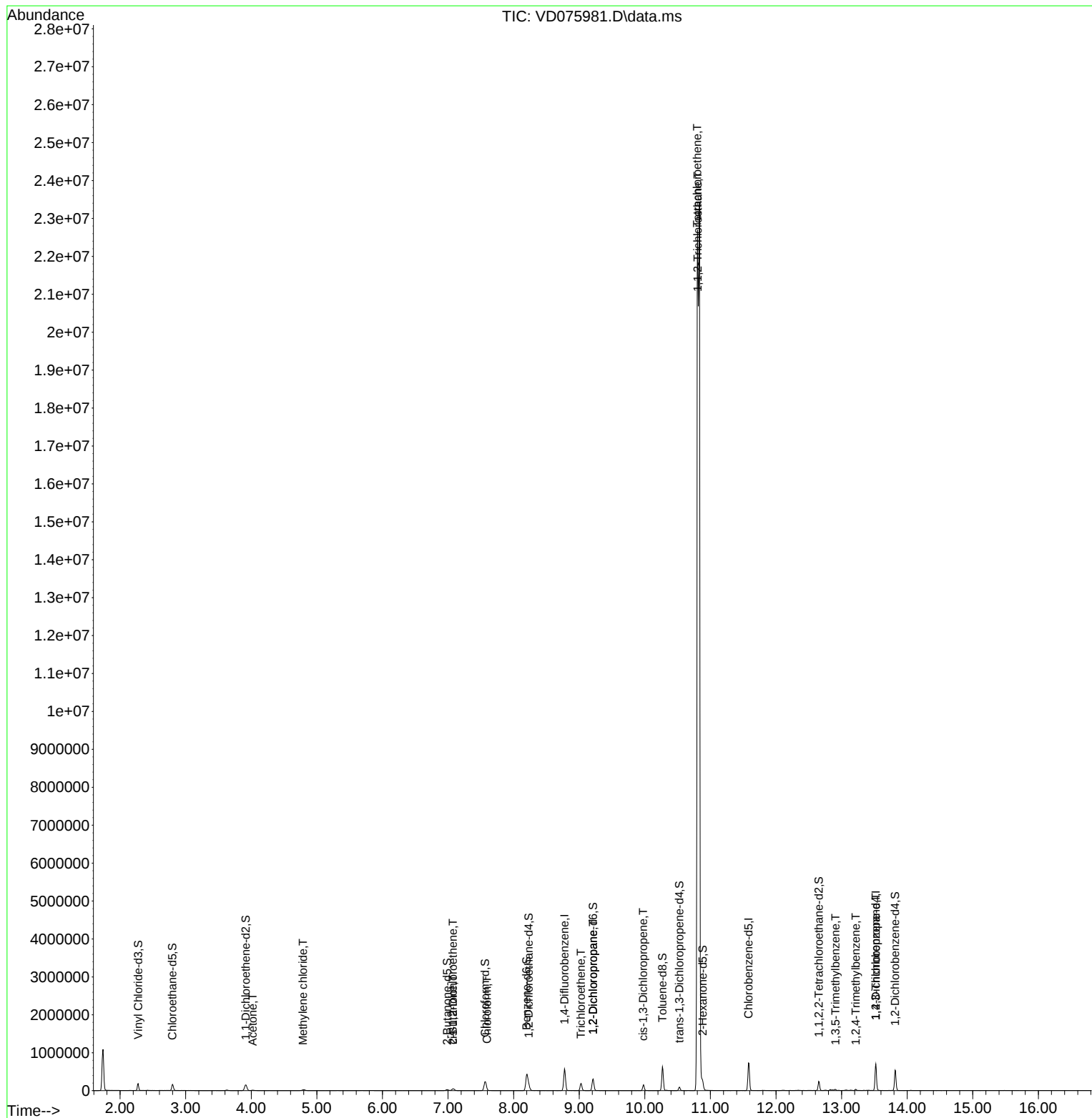
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	548678	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	479354	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	202923	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	174895	14.530	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.120%
7) Chloroethane-d5	2.799	69	173411	16.674	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.680%
11) 1,1-Dichloroethene-d2	3.917	65	42087	15.166	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.680%
21) 2-Butanone-d5	6.987	46	44346	42.439	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.880%
24) Chloroform-d	7.563	84	266846	19.449	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.800%
26) 1,2-Dichloroethane-d4	8.228	65	107523	18.351	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.400%
32) Benzene-d6	8.199	84	495468	17.734	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	70.920%
36) 1,2-Dichloropropane-d6	9.210	67	163638	21.160	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.640%
41) Toluene-d8	10.269	98	443945	16.973	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	67.880%
43) trans-1,3-Dichloroprop...	10.528	79	55595	17.393	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.560%
47) 2-Hexanone-d5	10.881	63	47398	50.904	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.800%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	123331	20.841	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.360%
66) 1,2-Dichlorobenzene-d4	13.816	152	158880	22.135	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.560%
Target Compounds					Qvalue	
13) Acetone	4.022	43	19178	21.447	ug/L	97
16) Methylene chloride	4.787	84	12251	1.101	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	33842	3.956	ug/L	95
22) 2-Butanone	7.075	43	1217	1.044	ug/L	99
25) Chloroform	7.593	83	4000	0.301	ug/L	97
34) Trichloroethene	9.028	95	65997	8.801	ug/L	96
37) 1,2-Dichloropropane	9.210	63	15870	2.383	ug/L #	85
39) cis-1,3-Dichloropropene	9.975	75	3870	0.365	ug/L	84
45) 1,1,2-Trichloroethane	10.804	97	58944	10.402	ug/L #	40
46) Tetrachloroethene	10.799	164	3705424	602.481	ug/L	85
61) 1,2,3-Trichloropropane	13.522	75	22847	7.167	ug/L #	62
62) 1,3,5-Trimethylbenzene	12.904	105	6646	0.331	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	17335	0.896	ug/L	94

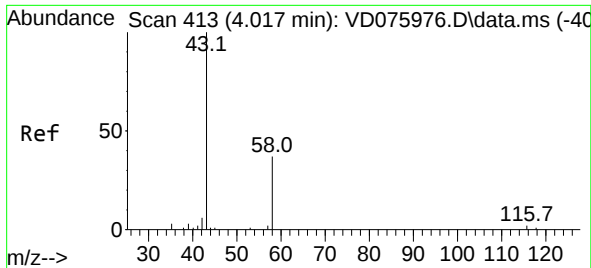
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Thu May 04 02:54:49 2023
Response via : Initial Calibration





#13

Acetone

Concen: 21.447 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD075981.D

Acq: 03 May 2023 14:59

Instrument :

MSVOA_D

ClientSampleId :

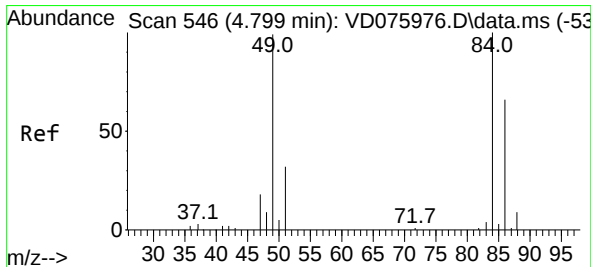
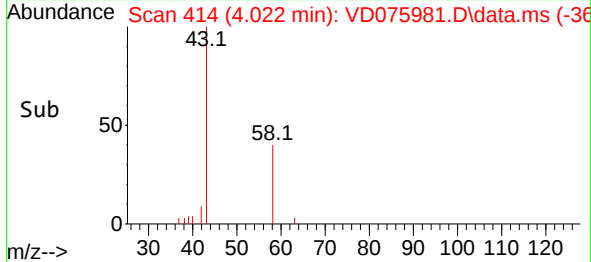
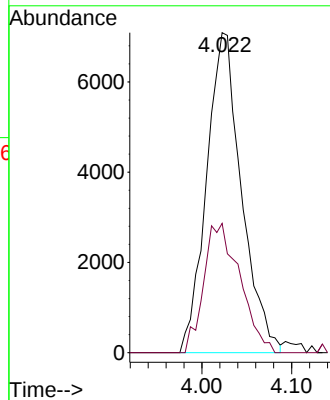
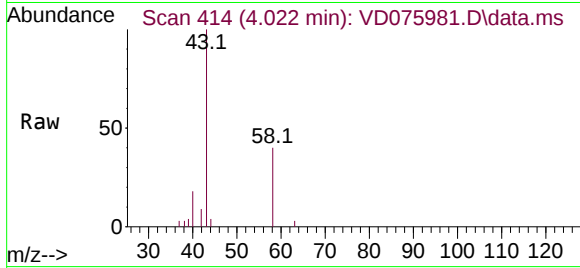
DCCH7

Tgt Ion: 43 Resp: 19178

Ion Ratio Lower Upper

43 100

58 41.8 0.0 87.4



#16

Methylene chloride

Concen: 1.101 ug/L

RT: 4.787 min Scan# 544

Delta R.T. -0.012 min

Lab File: VD075981.D

Acq: 03 May 2023 14:59

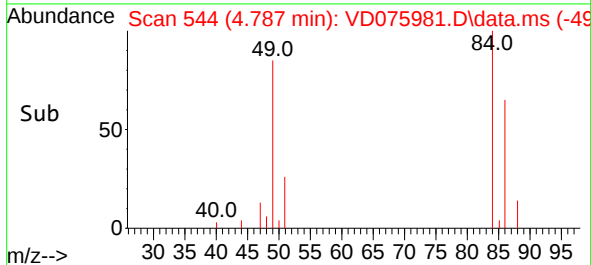
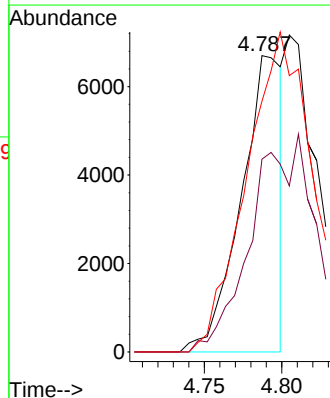
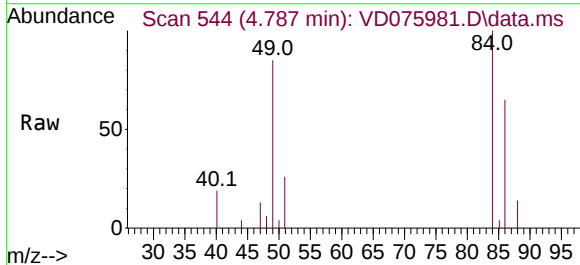
Tgt Ion: 84 Resp: 12251

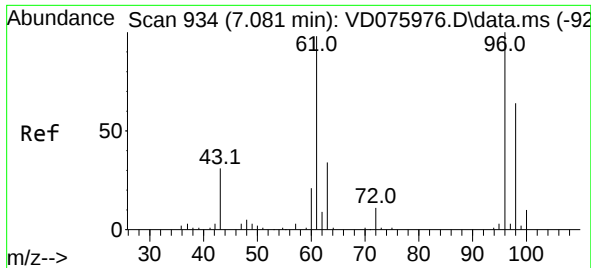
Ion Ratio Lower Upper

84 100

86 65.0 45.8 85.2

49 84.6 60.8 112.8



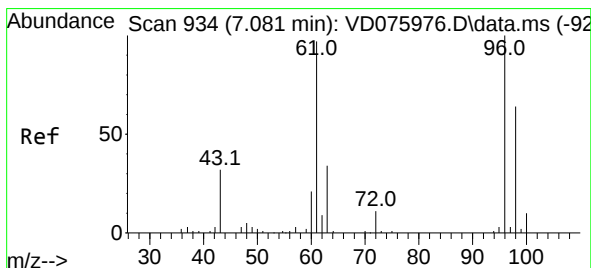
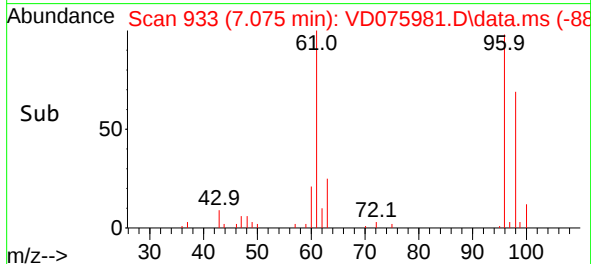
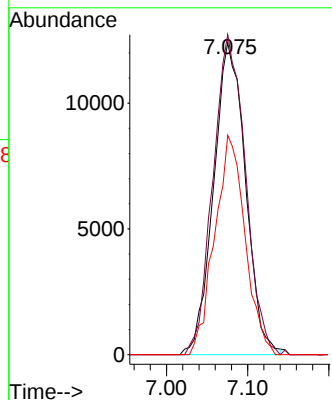
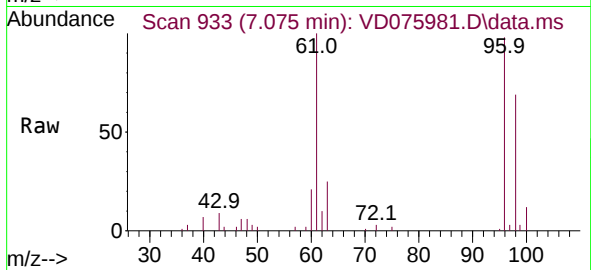


#20
 cis-1,2-Dichloroethene
 Concen: 3.956 ug/L
 RT: 7.075 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD075981.D
 Acq: 03 May 2023 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 DCCH7

Tgt Ion: 96 Resp: 33842

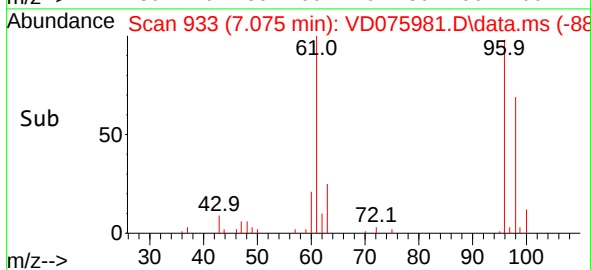
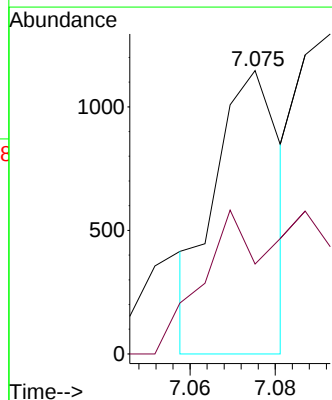
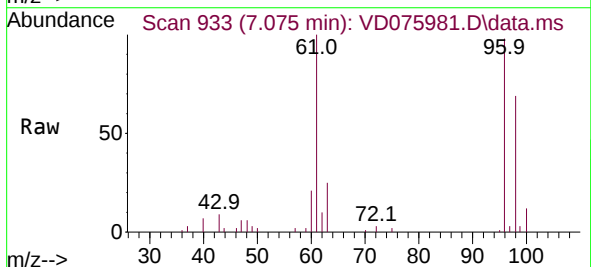
Ion	Ratio	Lower	Upper
96	100		
61	102.5	67.5	125.3
98	70.3	47.5	88.1

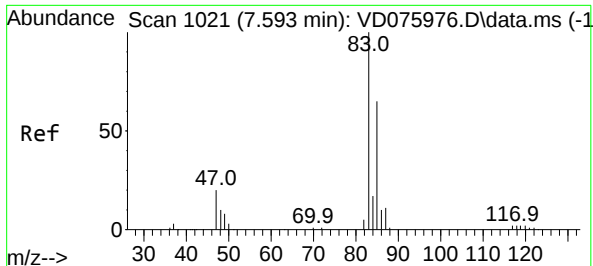


#22
 2-Butanone
 Concen: 1.044 ug/L
 RT: 7.075 min Scan# 933
 Delta R.T. -0.006 min
 Lab File: VD075981.D
 Acq: 03 May 2023 14:59

Tgt Ion: 43 Resp: 1217

Ion	Ratio	Lower	Upper
43	100		
72	41.7	20.5	61.5





#25

Chloroform

Concen: 0.301 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD075981.D

Acq: 03 May 2023 14:59

Instrument :

MSVOA_D

ClientSampleId :

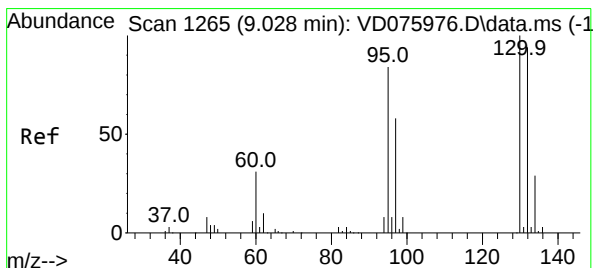
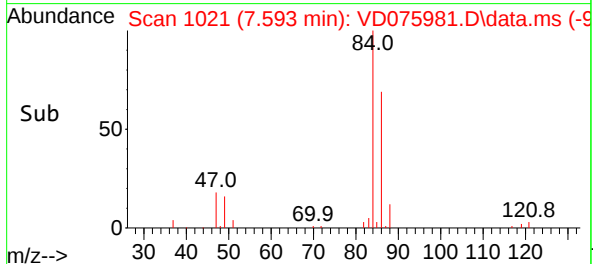
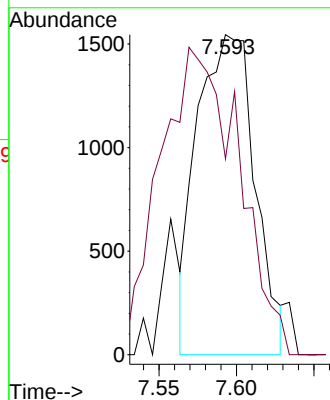
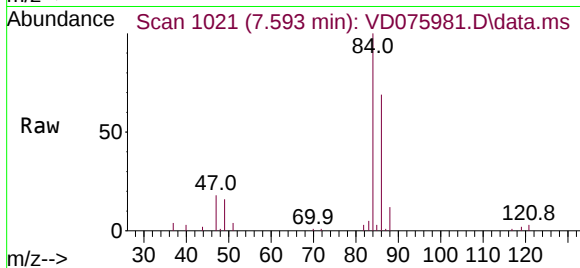
DCCH7

Tgt Ion: 83 Resp: 4000

Ion Ratio Lower Upper

83 100

85 61.2 44.4 82.5



#34

Trichloroethene

Concen: 8.801 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD075981.D

Acq: 03 May 2023 14:59

Tgt Ion: 95 Resp: 65997

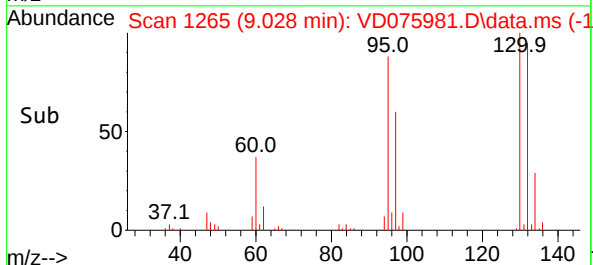
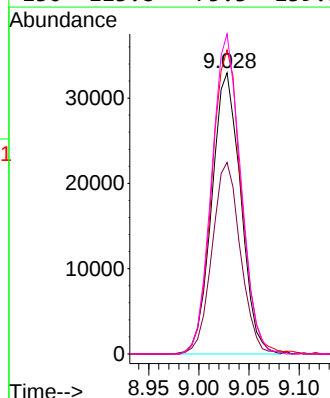
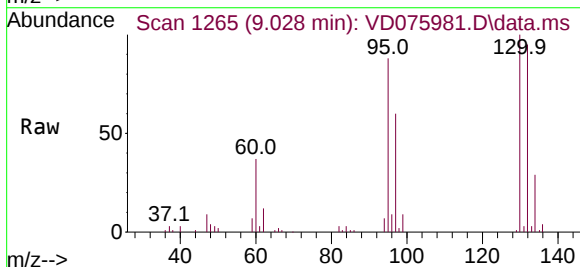
Ion Ratio Lower Upper

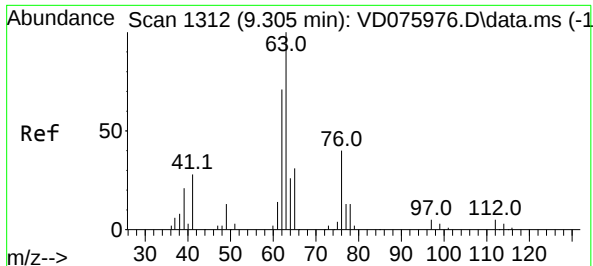
95 100

97 68.2 46.0 85.4

132 108.2 73.3 136.1

130 113.8 75.3 139.9

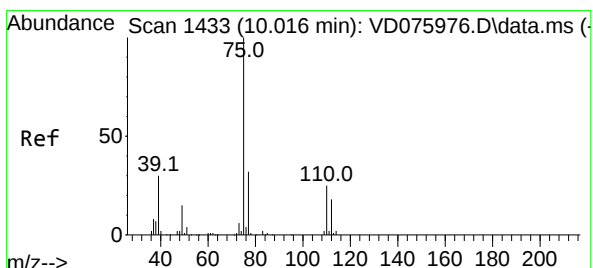
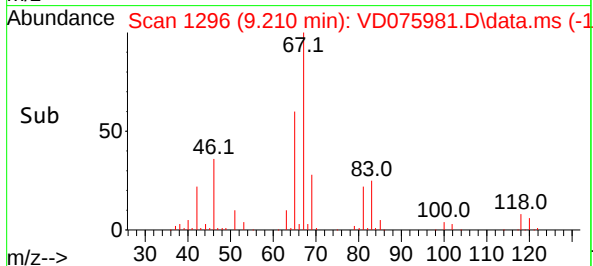
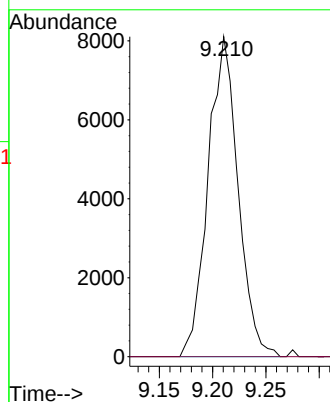
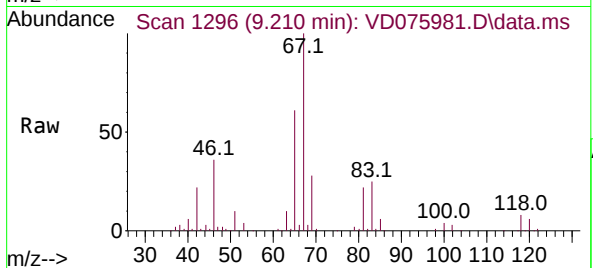




#37
1,2-Dichloropropane
Concen: 2.383 ug/L
RT: 9.210 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD075981.D
Acq: 03 May 2023 14:59

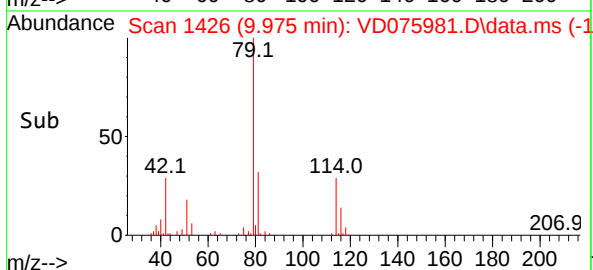
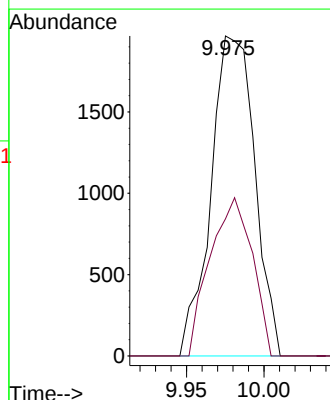
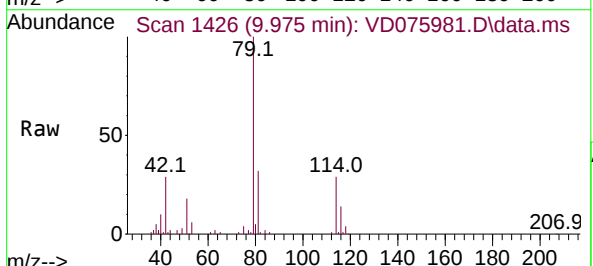
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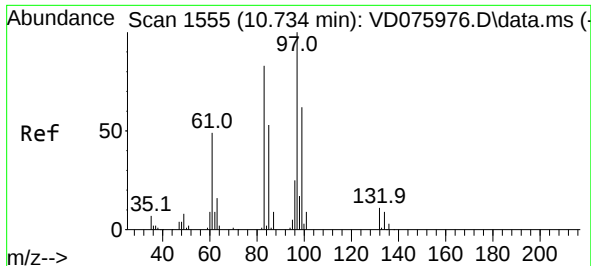
Tgt Ion: 63 Resp: 15870
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



#39
cis-1,3-Dichloropropene
Concen: 0.365 ug/L
RT: 9.975 min Scan# 1426
Delta R.T. -0.041 min
Lab File: VD075981.D
Acq: 03 May 2023 14:59

Tgt Ion: 75 Resp: 3870
Ion Ratio Lower Upper
75 100
77 42.9 23.4 43.6

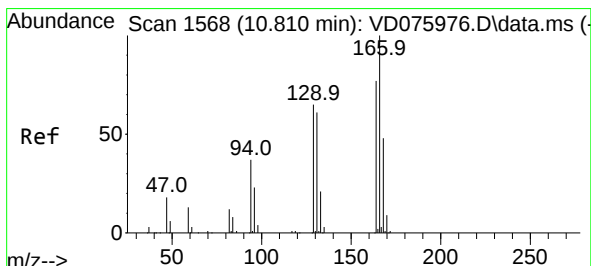
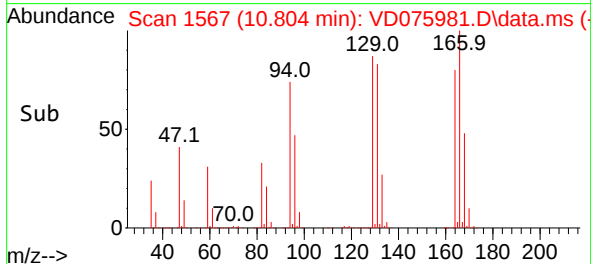
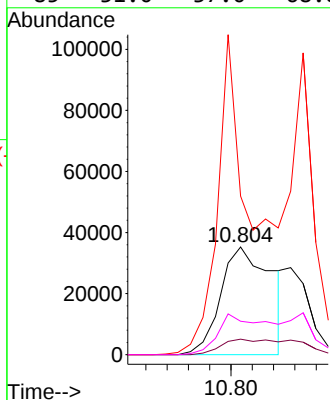
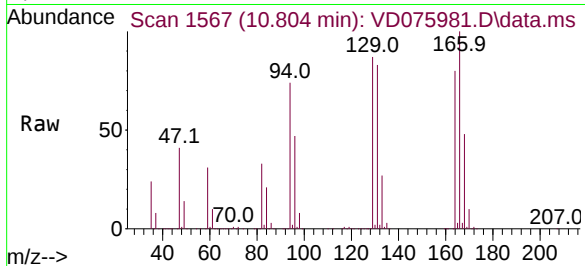




#45
1,1,2-Trichloroethane
Concen: 10.402 ug/L
RT: 10.804 min Scan# 1567
Delta R.T. 0.071 min
Lab File: VD075981.D
Acq: 03 May 2023 14:59

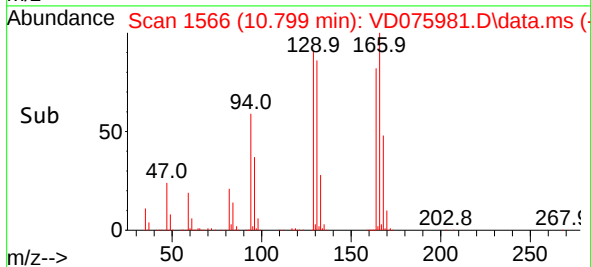
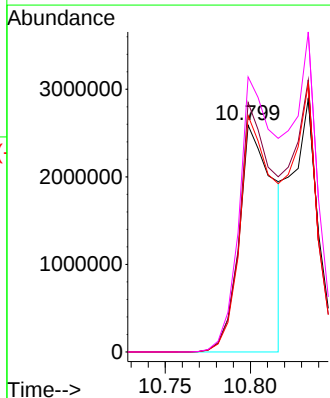
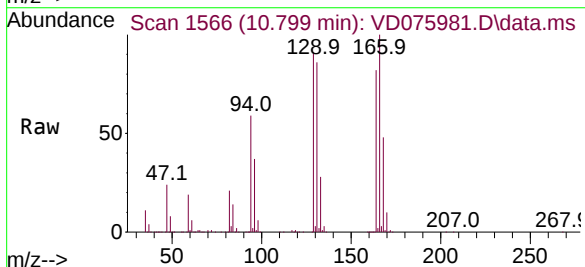
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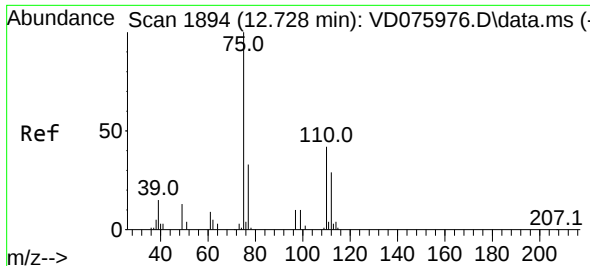
Tgt Ion: 97 Resp: 58944
Ion Ratio Lower Upper
97 100
99 14.4 42.2 78.4#
83 147.2 54.8 101.8#
85 31.0 37.0 68.8#



#46
Tetrachloroethene
Concen: 602.481 ug/L
RT: 10.799 min Scan# 1566
Delta R.T. -0.012 min
Lab File: VD075981.D
Acq: 03 May 2023 14:59

Tgt Ion:164 Resp: 3705424
Ion Ratio Lower Upper
164 100
129 110.1 60.3 112.1
131 104.3 58.9 109.3
166 121.4 83.0 154.1

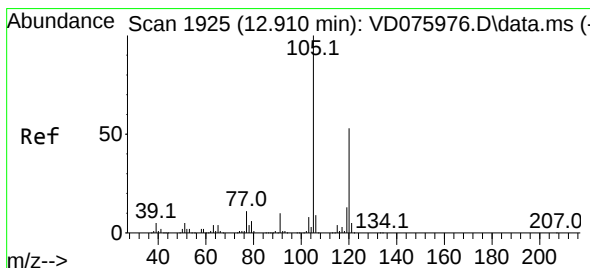
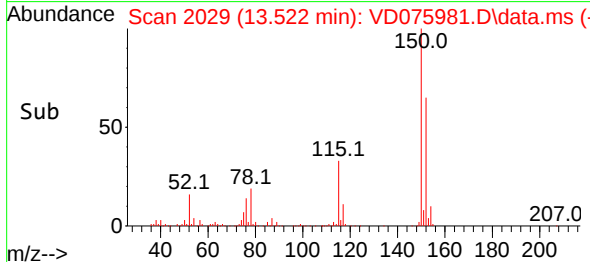
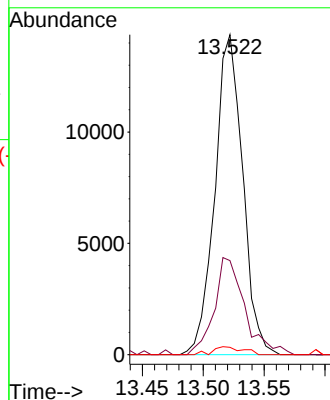
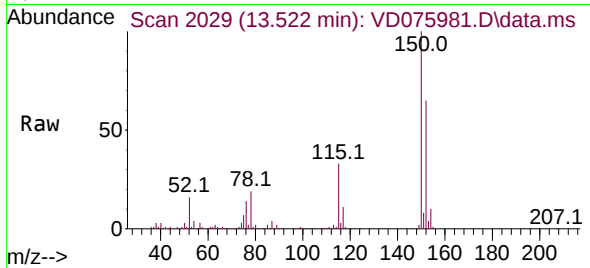




#61
1,2,3-Trichloropropane
Concen: 7.167 ug/L
RT: 13.522 min Scan# 20
Delta R.T. 0.794 min
Lab File: VD075981.D
Acq: 03 May 2023 14:59

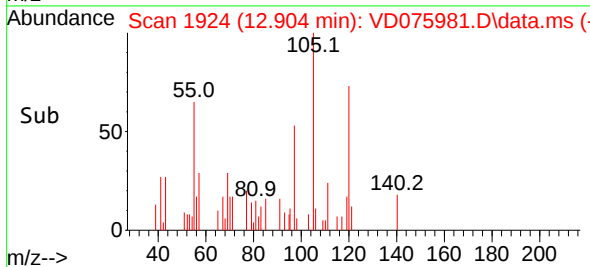
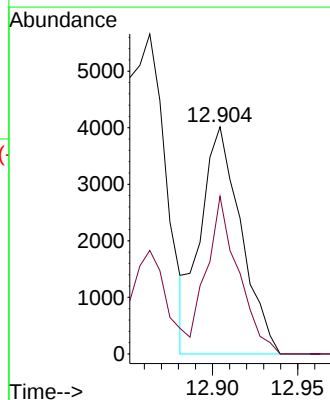
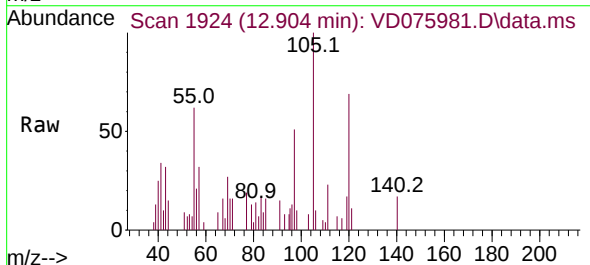
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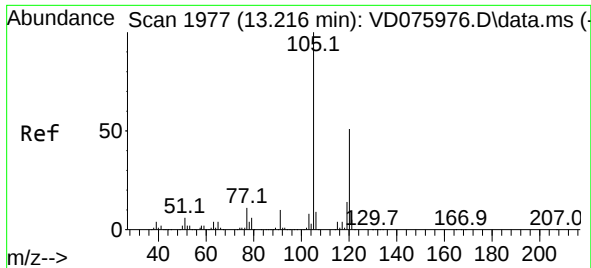
Tgt Ion: 75 Resp: 22847
Ion Ratio Lower Upper
75 100
77 29.7 26.6 39.8
110 1.8 33.5 50.3#



#62
1,3,5-Trimethylbenzene
Concen: 0.331 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.006 min
Lab File: VD075981.D
Acq: 03 May 2023 14:59

Tgt Ion: 105 Resp: 6646
Ion Ratio Lower Upper
105 100
120 54.0 42.0 63.0





#63
 1,2,4-Trimethylbenzene
 Concen: 0.896 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD075981.D
 Acq: 03 May 2023 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 DCCH7

Tgt Ion:105 Resp: 17335
 Ion Ratio Lower Upper
 105 100
 120 53.0 39.0 58.6

