

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050823\
 Data File : VD076044.D
 Acq On : 08 May 2023 17:33
 Operator : KP/SY
 Sample : 02591-32
 Misc : 5.14G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JREF1

Quant Time: May 09 02:38:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 06 00:21:26 2023
 Response via : Initial Calibration

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

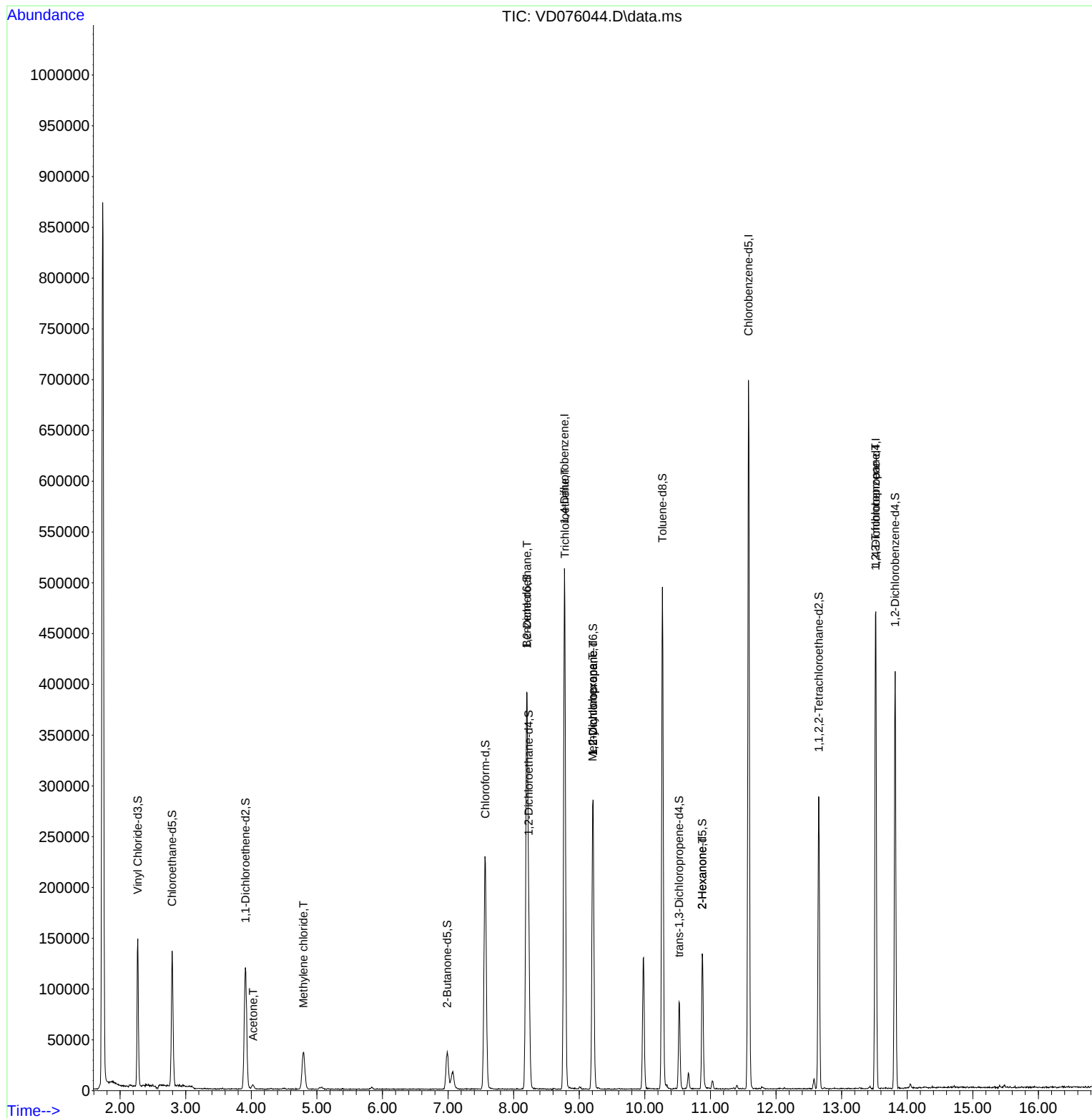
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	502989	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	437406	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	146216	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	136492	12.370	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.480%
7) Chloroethane-d5	2.793	69	140316	14.718	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.880%
11) 1,1-Dichloroethene-d2	3.910	65	33155	13.033	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.120%
21) 2-Butanone-d5	6.987	46	61344	64.039	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.080%
24) Chloroform-d	7.569	84	246107	19.566	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.280%
26) 1,2-Dichloroethane-d4	8.228	65	113630	21.155	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.600%
32) Benzene-d6	8.198	84	435402	17.079	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	68.320%
36) 1,2-Dichloropropane-d6	9.210	67	154113	21.840	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.360%
41) Toluene-d8	10.269	98	363712	15.239	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	60.960%
43) trans-1,3-Dichloroprop...	10.522	79	52237	17.910	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.640%
47) 2-Hexanone-d5	10.875	63	48325	56.877	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.760%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	150897	27.945	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.800%
66) 1,2-Dichlorobenzene-d4	13.816	152	121450	23.483	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.920%
Target Compounds	Qvalue					
13) Acetone	4.028	43	6933	8.457	ug/L	67
16) Methylene chloride	4.793	84	31006	3.039	ug/L	97
27) 1,2-Dichloroethane	8.204	62	1877	0.299	ug/L #	68
34) Trichloroethene	8.781	95	12216	1.785	ug/L #	2
35) Methylcyclohexane	9.204	83	37160	3.523	ug/L #	24
37) 1,2-Dichloropropane	9.210	63	15043	2.475	ug/L #	85
48) 2-Hexanone	10.875	43	5691	3.643	ug/L #	60
61) 1,2,3-Trichloropropane	13.516	75	16562	7.211	ug/L #	61

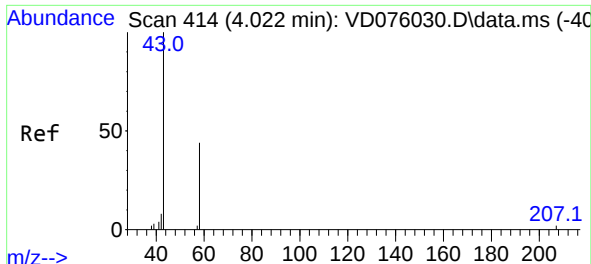
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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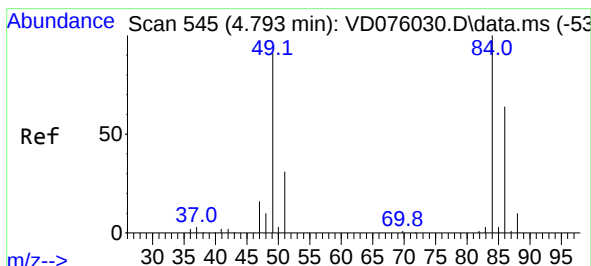
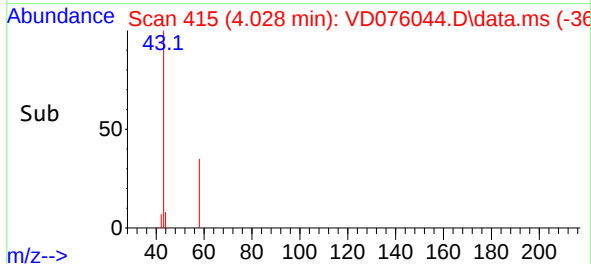
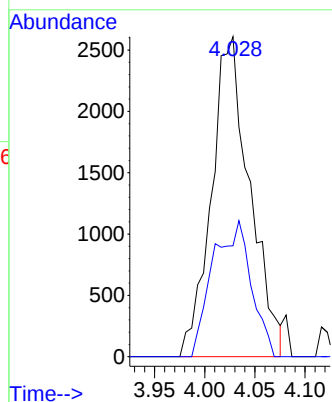
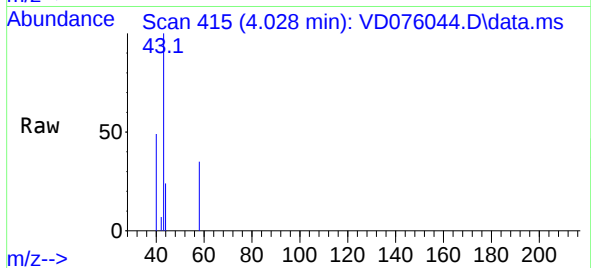




#13
Acetone
Concen: 8.457 ug/L
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076044.D
Acq: 08 May 2023 17:33

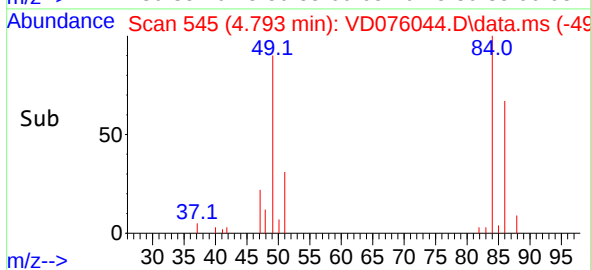
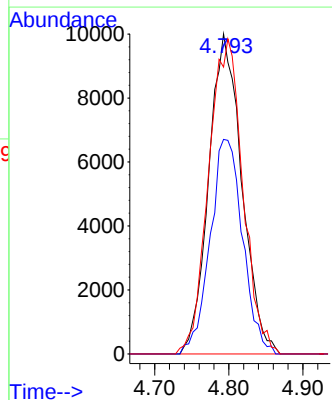
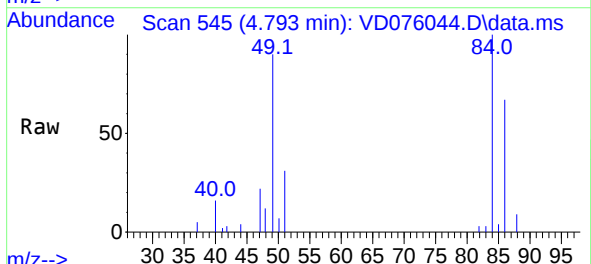
Instrument :
MSVOA_D
ClientSampleId :
JREF1

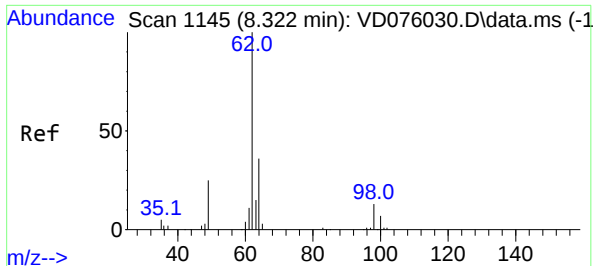
Tgt Ion: 43 Resp: 6933
Ion Ratio Lower Upper
43 100
58 22.3 0.0 87.4



#16
Methylene chloride
Concen: 3.039 ug/L
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076044.D
Acq: 08 May 2023 17:33

Tgt Ion: 84 Resp: 31006
Ion Ratio Lower Upper
84 100
86 67.1 45.8 85.2
49 89.7 60.8 112.8

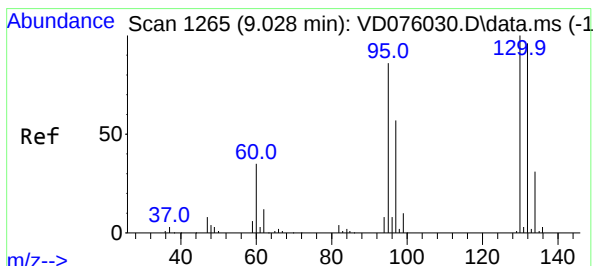
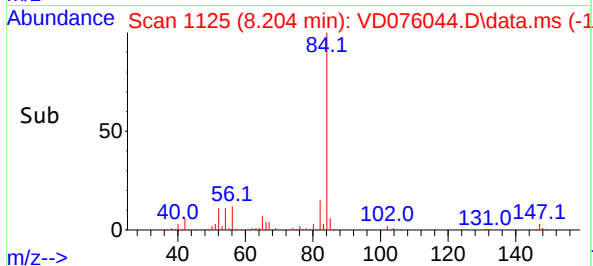
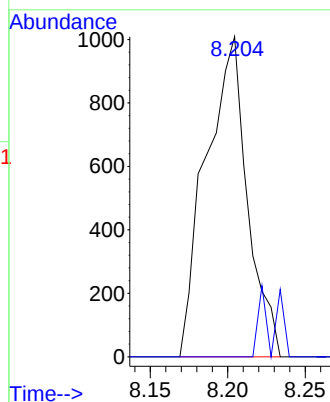
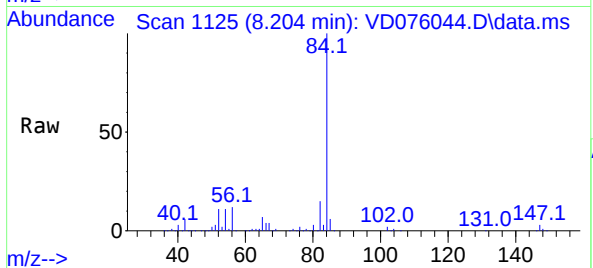




#27
1,2-Dichloroethane
Concen: 0.299 ug/L
RT: 8.204 min Scan# 1145
Delta R.T. -0.123 min
Lab File: VD076044.D
Acq: 08 May 2023 17:33

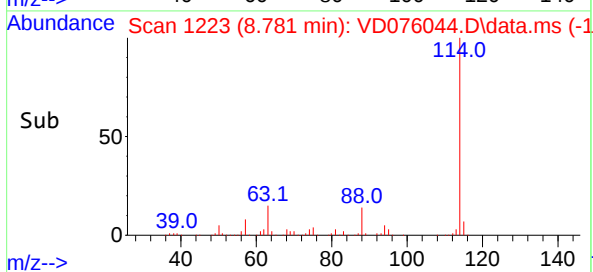
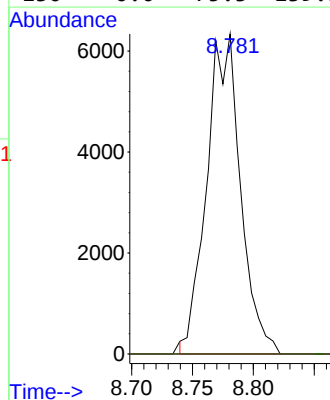
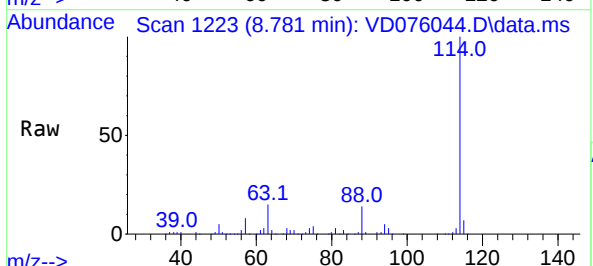
Instrument :
MSVOA_D
ClientSampleId :
JREF1

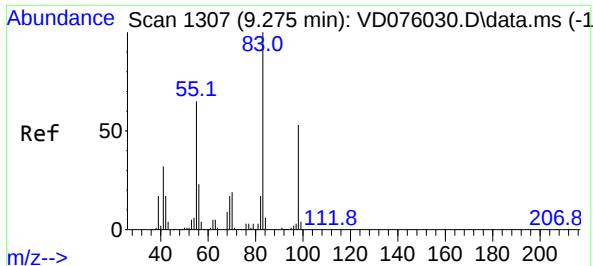
Tgt Ion: 62 Resp: 1877
Ion Ratio Lower Upper
62 100
98 0.0 10.2 15.2#



#34
Trichloroethene
Concen: 1.785 ug/L
RT: 8.781 min Scan# 1223
Delta R.T. -0.247 min
Lab File: VD076044.D
Acq: 08 May 2023 17:33

Tgt Ion: 95 Resp: 12216
Ion Ratio Lower Upper
95 100
97 0.0 46.0 85.4#
132 0.0 73.3 136.1#
130 0.0 75.3 139.9#

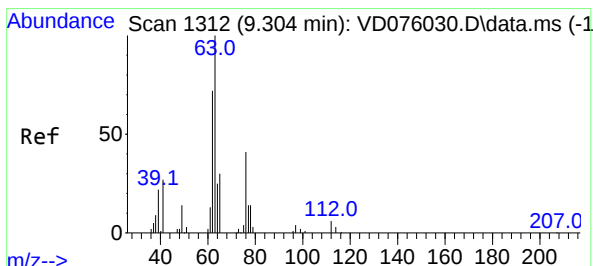
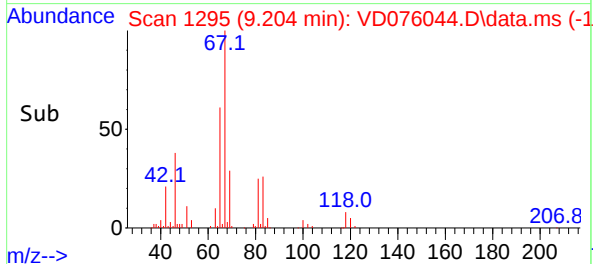
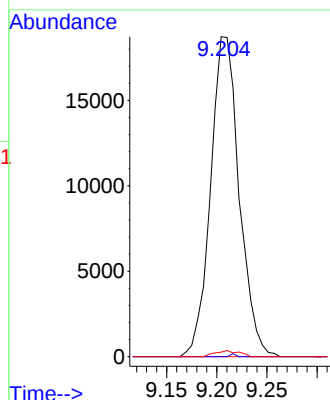
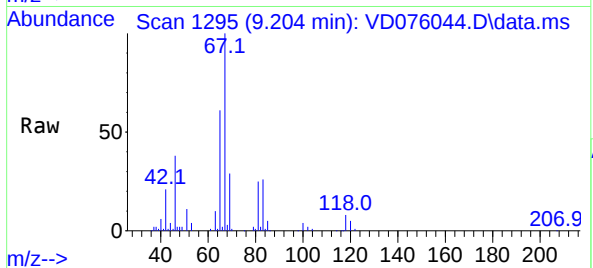




#35
Methylcyclohexane
Concen: 3.523 ug/L
RT: 9.204 min Scan# 1295
Delta R.T. -0.070 min
Lab File: VD076044.D
Acq: 08 May 2023 17:33

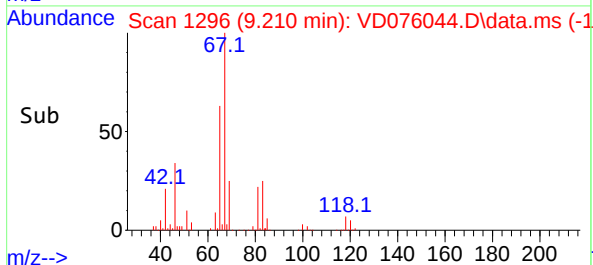
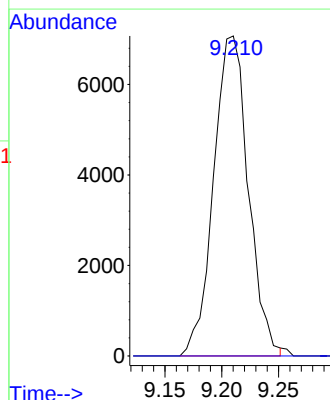
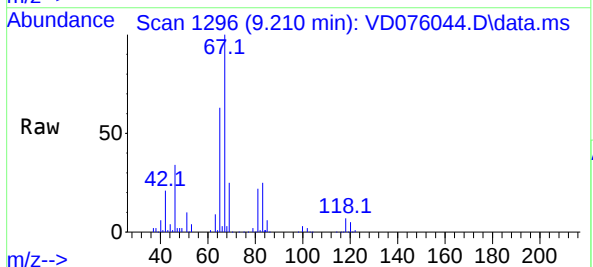
Instrument :
MSVOA_D
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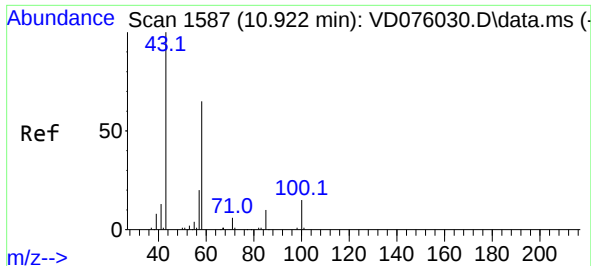
Tgt Ion: 83 Resp: 37160
Ion Ratio Lower Upper
83 100
55 0.0 48.2 72.2#
98 1.6 40.8 61.2#



#37
1,2-Dichloropropane
Concen: 2.475 ug/L
RT: 9.210 min Scan# 1296
Delta R.T. -0.094 min
Lab File: VD076044.D
Acq: 08 May 2023 17:33

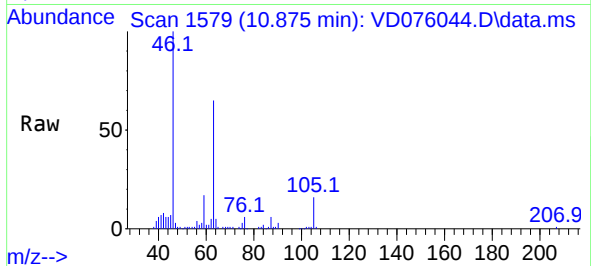
Tgt Ion: 63 Resp: 15043
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#





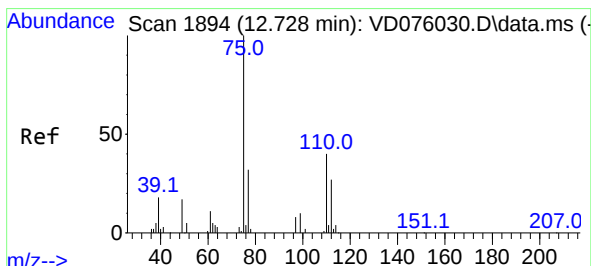
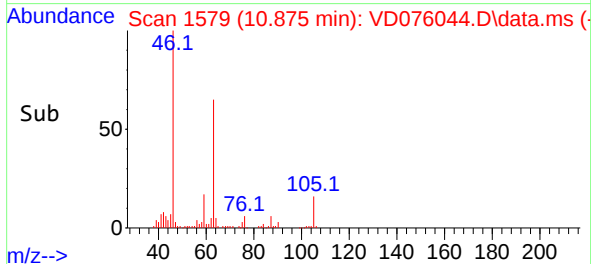
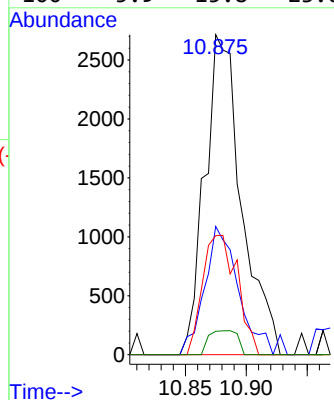
#48
2-Hexanone
Concen: 3.643 ug/L
RT: 10.875 min Scan# 11
Delta R.T. -0.047 min
Lab File: VD076044.D
Acq: 08 May 2023 17:33

Instrument :
MSVOA_D
ClientSampleId :
JREF1



Tgt Ion: 43 Resp: 5691

Ion	Ratio	Lower	Upper
43	100		
58	35.7	59.7	89.5#
57	35.2	17.9	26.9#
100	5.9	15.8	23.6#



#61
1,2,3-Trichloropropane
Concen: 7.211 ug/L
RT: 13.516 min Scan# 2028
Delta R.T. 0.788 min
Lab File: VD076044.D
Acq: 08 May 2023 17:33

Tgt Ion: 75 Resp: 16562

Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.6	39.8
110	0.5	33.5	50.3#

