

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112123\
 Data File : VD077645.D
 Acq On : 21 Nov 2023 15:15
 Operator : JC/SY
 Sample : 05416-23RE
 Misc : 4.67G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 01:41:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 22 01:40:25 2023
 Response via : Initial Calibration

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

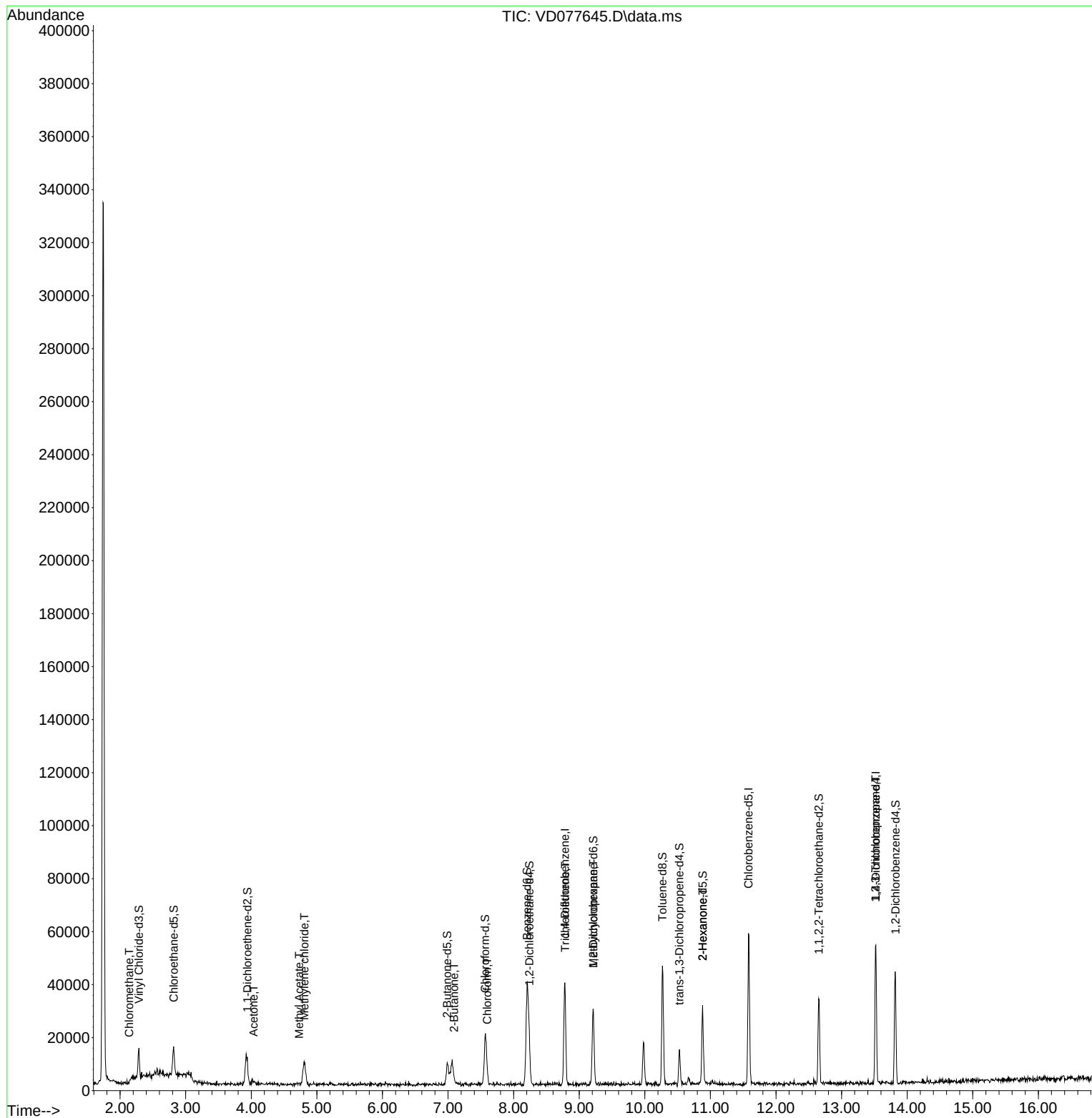
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	31089	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	31400	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	13906	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.287	65	9514	12.030	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	48.120%
7) Chloroethane-d5	2.817	69	10601	17.063	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.240%
11) 1,1-Dichloroethene-d2	3.940	65	947	3.872	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	15.480%#
21) 2-Butanone-d5	6.987	46	14689	107.278	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	214.560%#
24) Chloroform-d	7.563	84	19230	21.412	ug/L	-0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.640%
26) 1,2-Dichloroethane-d4	8.240	65	7871	16.477	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	65.920%#
32) Benzene-d6	8.204	84	35530	17.434	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	69.720%
36) 1,2-Dichloropropane-d6	9.216	67	13972	21.048	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.200%
41) Toluene-d8	10.269	98	29785	16.174	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	64.680%
43) trans-1,3-Dichloroprop...	10.528	79	7043	24.607	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.440%
47) 2-Hexanone-d5	10.881	63	9716	81.818	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	163.640%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	18148	41.262	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	165.040%#
66) 1,2-Dichlorobenzene-d4	13.822	152	11305	22.852	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	198	0.275	ug/L #	43
13) Acetone	4.034	43	786	5.461	ug/L #	24
15) Methyl Acetate	4.728	43	141	0.595	ug/L #	56
16) Methylene chloride	4.811	84	3413	6.502	ug/L	96
22) 2-Butanone	7.093	43	126	0.728	ug/L #	49
25) Chloroform	7.599	83	469	0.547	ug/L #	53
34) Trichloroethene	8.787	95	1020	1.890	ug/L #	10
35) Methylcyclohexane	9.216	83	3066	3.149	ug/L #	16
48) 2-Hexanone	10.881	43	1444	4.939	ug/L #	60
61) 1,2,3-Trichloropropane	13.516	75	1968	6.644	ug/L #	61

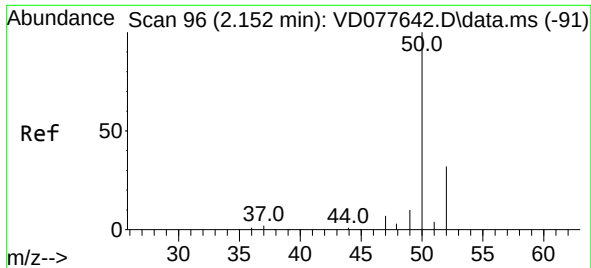
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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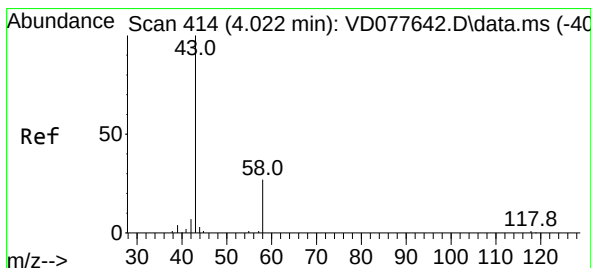
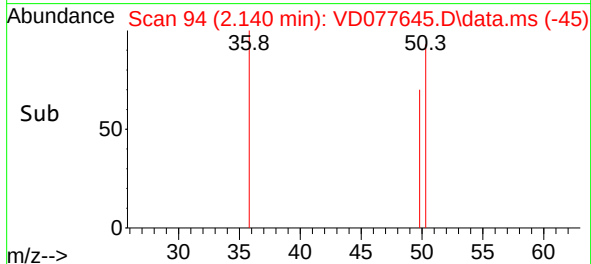
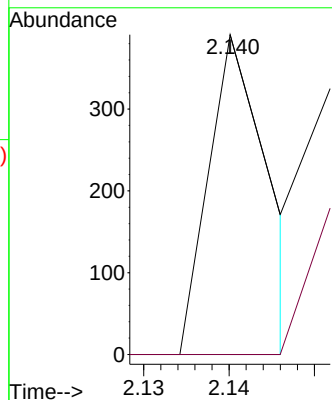
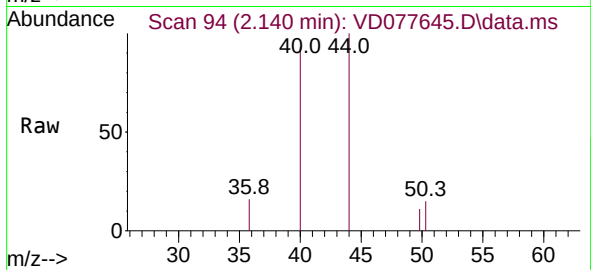




#3
Chloromethane
Concen: 0.275 ug/L
RT: 2.140 min Scan# 94
Delta R.T. -0.012 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

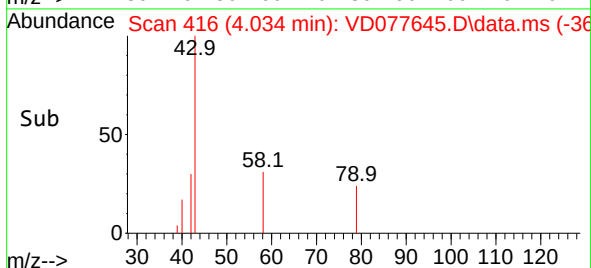
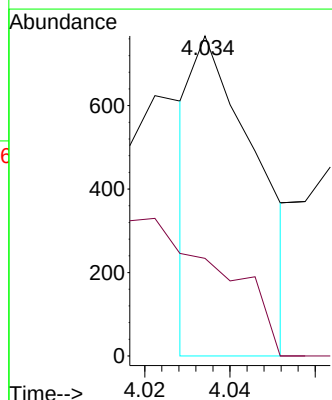
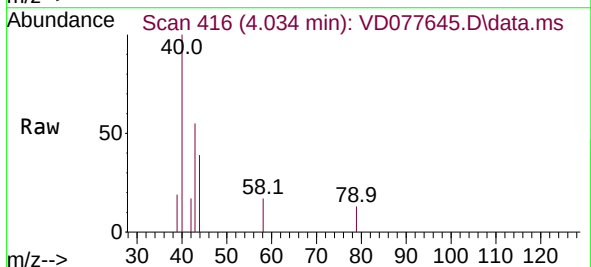
Instrument :
MSVOA_D
ClientSampleId :

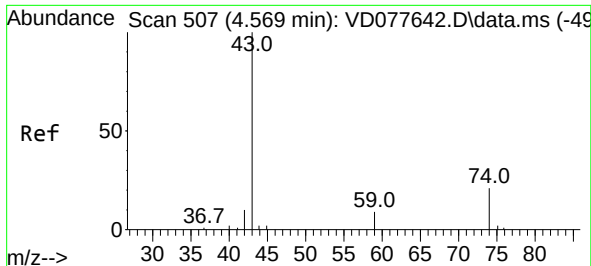
Tgt Ion: 50 Resp: 198
Ion Ratio Lower Upper
50 100
52 0.0 22.1 41.1#



#13
Acetone
Concen: 5.461 ug/L
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
58 74.6 0.0 64.0#

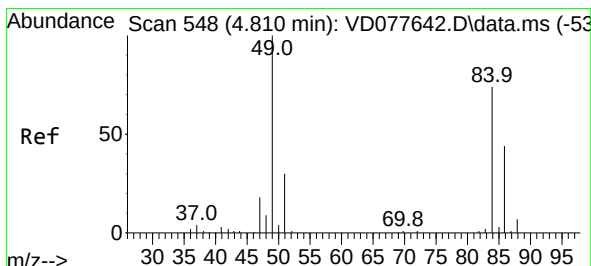
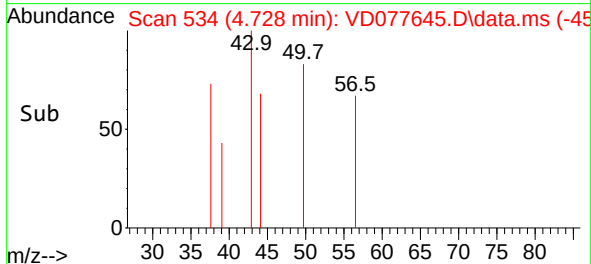
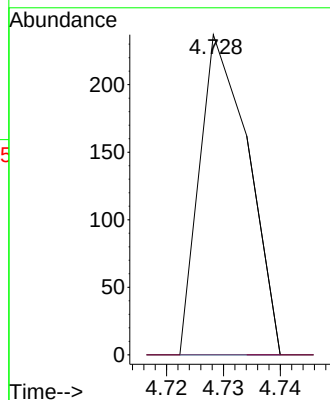
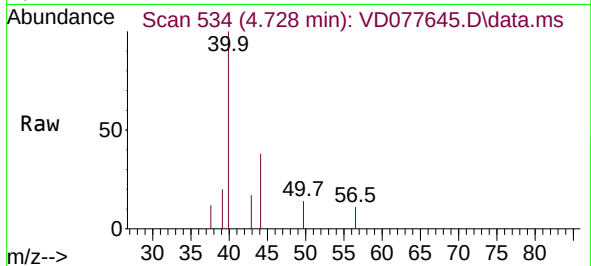




#15
Methyl Acetate
Concen: 0.595 ug/L
RT: 4.728 min Scan# 51
Delta R.T. 0.159 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

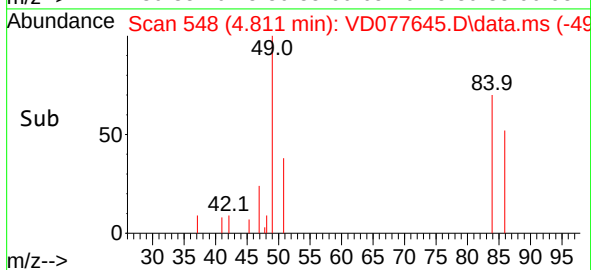
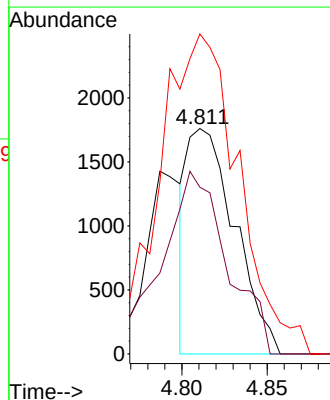
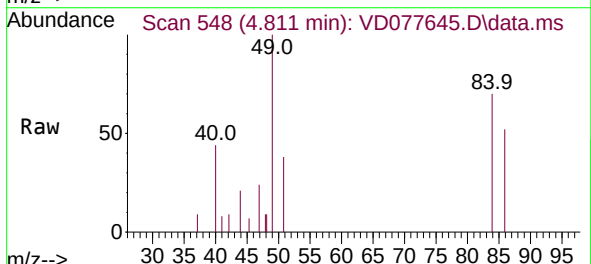
Instrument :
MSVOA_D
ClientSampleId :

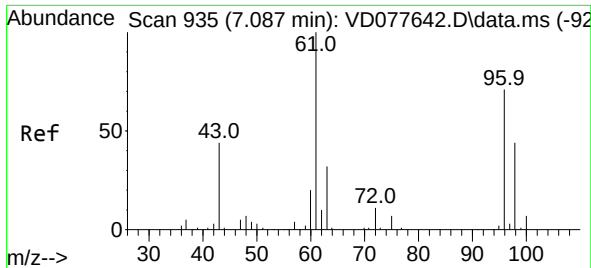
Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#16
Methylene chloride
Concen: 6.502 ug/L
RT: 4.811 min Scan# 548
Delta R.T. 0.000 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

Tgt Ion: 84 Resp: 3413
Ion Ratio Lower Upper
84 100
86 74.0 46.5 86.5
49 142.0 98.3 182.7

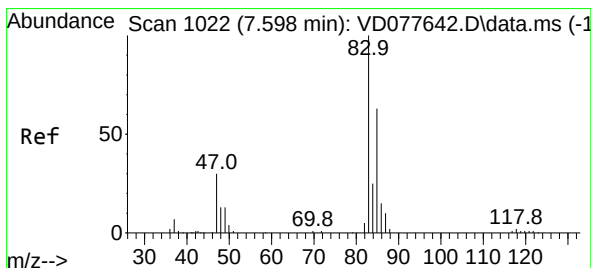
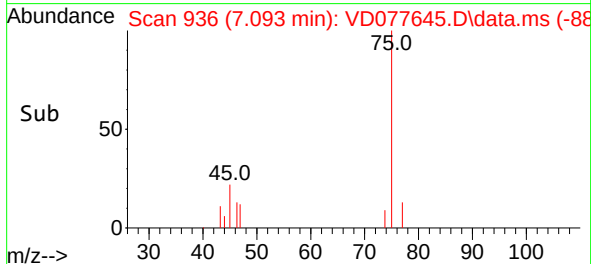
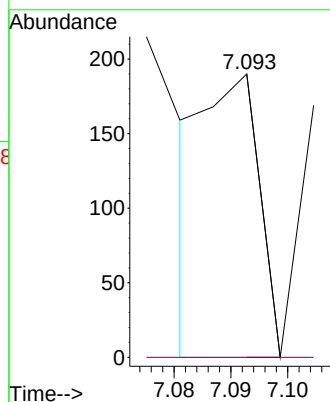
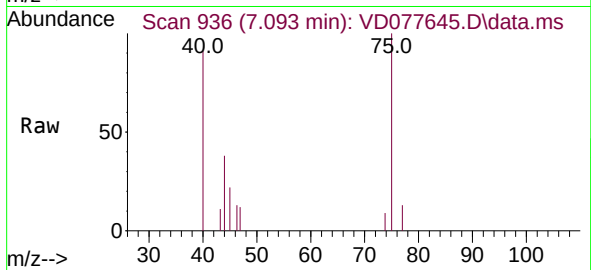




#22
2-Butanone
Concen: 0.728 ug/L
RT: 7.093 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

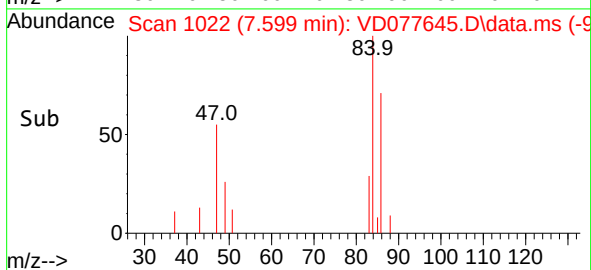
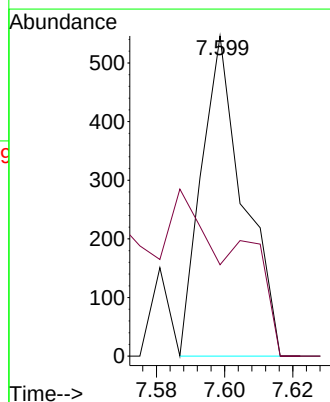
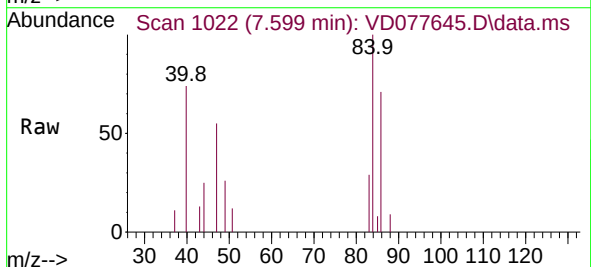
Instrument :
MSVOA_D
ClientSampleId :

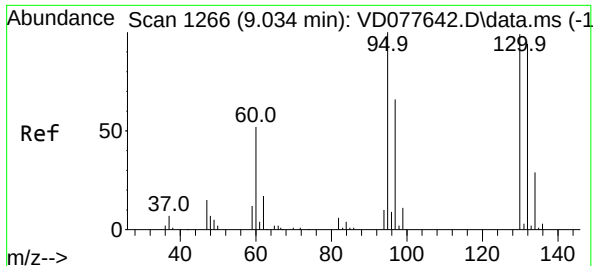
Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
72 0.0 12.8 38.4#



#25
Chloroform
Concen: 0.547 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

Tgt Ion: 83 Resp: 469
Ion Ratio Lower Upper
83 100
85 28.6 45.9 85.3#

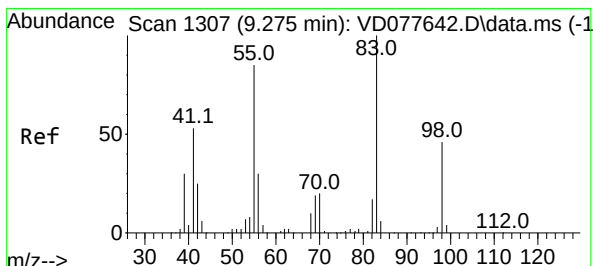
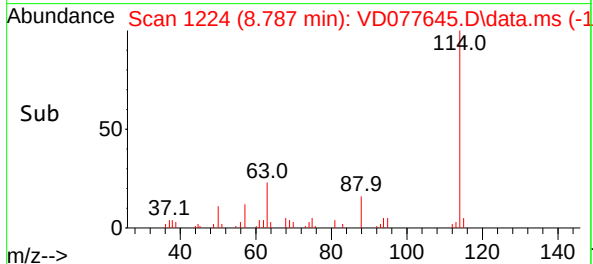
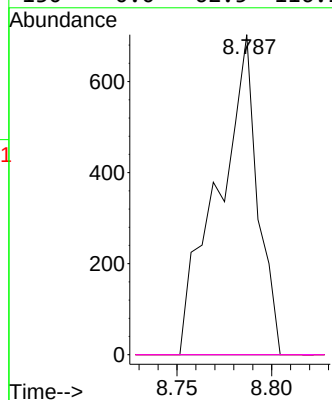
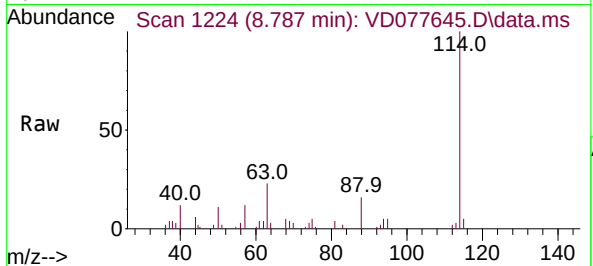




#34
Trichloroethene
Concen: 1.890 ug/L
RT: 8.787 min Scan# 1297
Delta R.T. -0.247 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

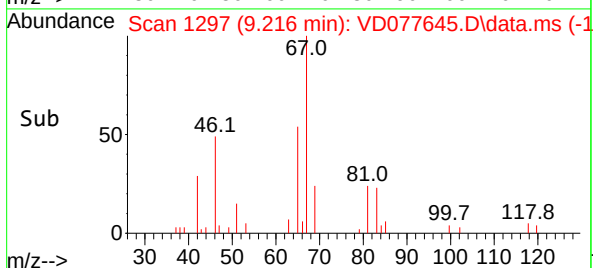
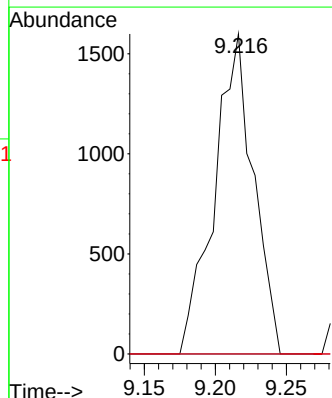
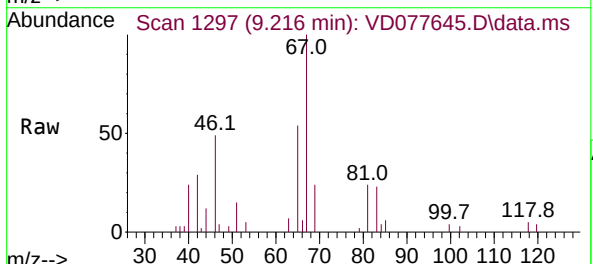
Instrument :
MSVOA_D
ClientSampleId :

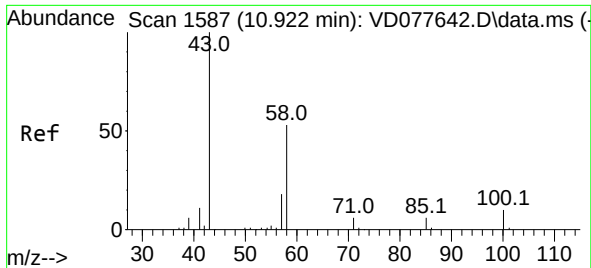
Tgt Ion: 95 Resp: 1020
Ion Ratio Lower Upper
95 100
97 0.0 42.4 78.6#
132 0.0 59.4 110.2#
130 0.0 62.5 116.1#



#35
Methylcyclohexane
Concen: 3.149 ug/L
RT: 9.216 min Scan# 1297
Delta R.T. -0.059 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

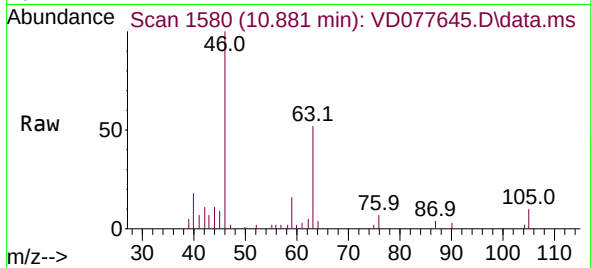
Tgt Ion: 83 Resp: 3066
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 0.0 37.4 56.2#



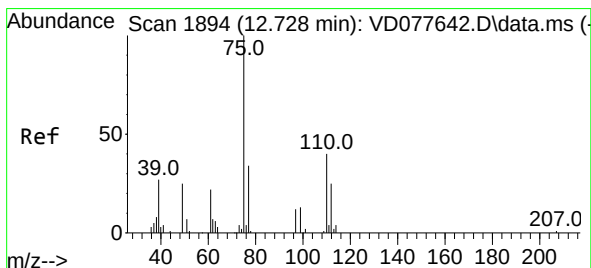
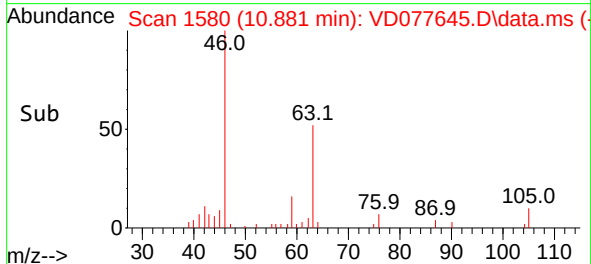
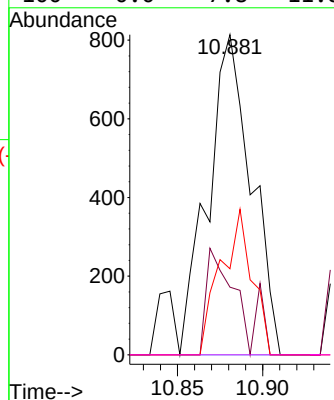


#48
2-Hexanone
Concen: 4.939 ug/L
RT: 10.881 min Scan# 11
Delta R.T. -0.041 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 1444
Ion Ratio Lower Upper
43 100
58 20.1 40.8 61.2#
57 32.9 13.7 20.5#
100 0.0 7.8 11.8#



#61
1,2,3-Trichloropropane
Concen: 6.644 ug/L
RT: 13.516 min Scan# 2028
Delta R.T. 0.788 min
Lab File: VD077645.D
Acq: 21 Nov 2023 15:15

Tgt Ion: 75 Resp: 1968
Ion Ratio Lower Upper
75 100
77 25.7 25.6 38.4
110 0.0 29.6 44.4#

