

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111823\
 Data File : VD077636.D
 Acq On : 18 Nov 2023 17:32
 Operator : JC/SY
 Sample : 05438-02RE
 Misc : 5.02G/10ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 23:26:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sun Nov 19 23:22:21 2023
 Response via : Initial Calibration

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

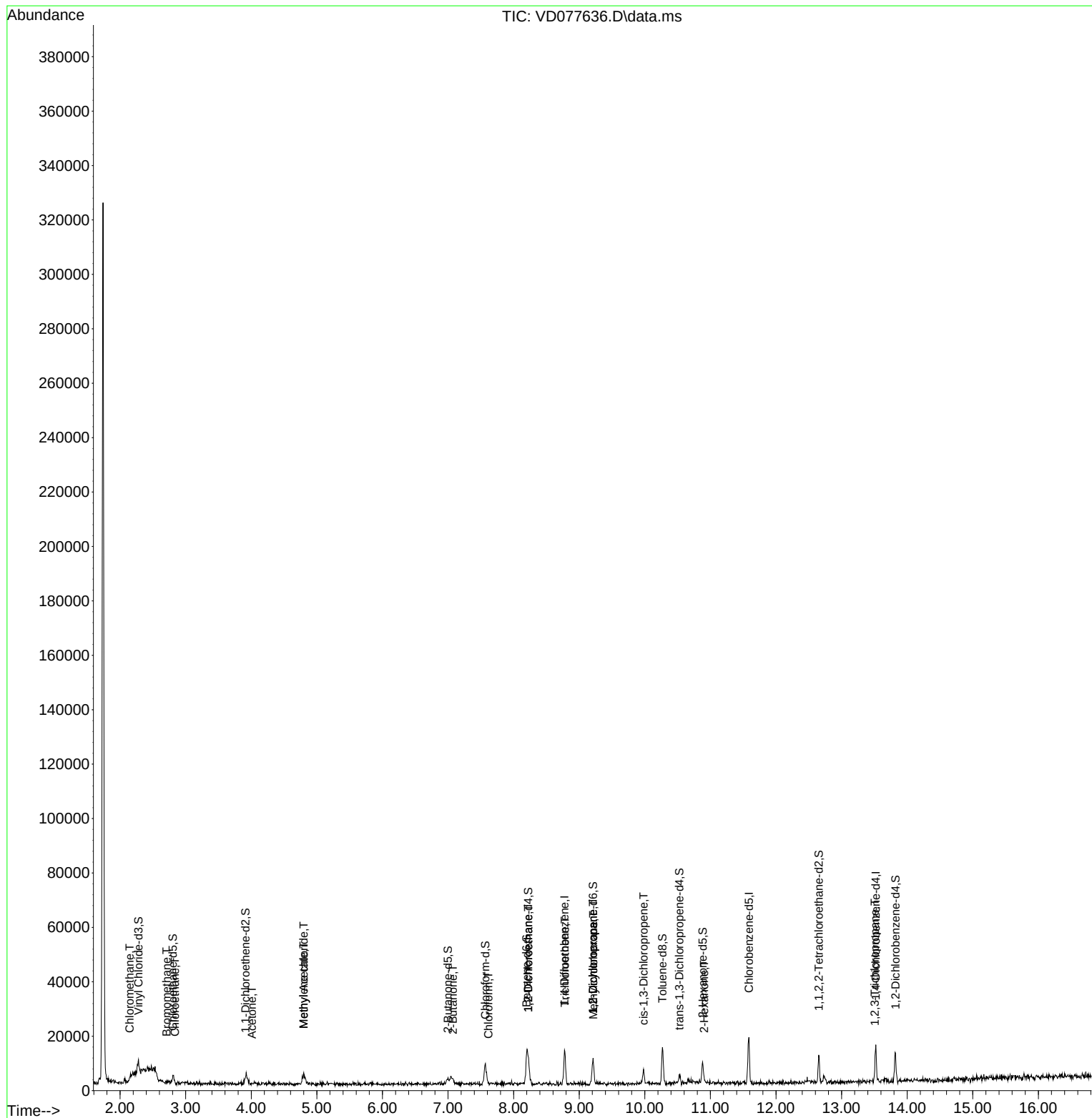
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	9694	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.587	117	9456	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	3543	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	3596	14.582	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.320%
7) Chloroethane-d5	2.805	69	2710	13.989	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.960%
11) 1,1-Dichloroethene-d2	3.911	65	506	6.636	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	26.560%#
21) 2-Butanone-d5	6.999	46	3177	74.411	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	148.820%#
24) Chloroform-d	7.569	84	6988	24.954	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.800%
26) 1,2-Dichloroethane-d4	8.222	65	4707	31.600	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	126.400%
32) Benzene-d6	8.199	84	11855	19.316	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.280%
36) 1,2-Dichloropropane-d6	9.210	67	4211	21.065	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.240%
41) Toluene-d8	10.269	98	9050	16.319	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	65.280%
43) trans-1,3-Dichloroprop...	10.528	79	1823	21.150	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.600%
47) 2-Hexanone-d5	10.881	63	2512	70.243	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.480%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	4865	36.731	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	146.920%#
66) 1,2-Dichlorobenzene-d4	13.822	152	2436	19.327	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.320%
Target Compounds						Qvalue
3) Chloromethane	2.146	50	139	0.619	ug/L #	43
6) Bromomethane	2.711	94	118	0.874	ug/L #	3
8) Chloroethane	2.834	64	190	1.206	ug/L #	46
13) Acetone	4.011	43	321	7.153	ug/L #	43
15) Methyl Acetate	4.799	43	88	1.192	ug/L #	56
16) Methylene chloride	4.799	84	669	4.087	ug/L	95
22) 2-Butanone	7.075	43	201	3.722	ug/L #	49
25) Chloroform	7.616	83	140	0.524	ug/L #	17
27) 1,2-Dichloroethane	8.222	62	74	0.418	ug/L #	73
34) Trichloroethene	8.781	95	149	0.917	ug/L #	10
35) Methylcyclohexane	9.216	83	504	1.719	ug/L #	16
37) 1,2-Dichloropropane	9.210	63	532	2.918	ug/L #	88
39) cis-1,3-Dichloropropene	9.981	75	145	0.518	ug/L #	42
48) 2-Hexanone	10.904	43	621	7.052	ug/L #	40
61) 1,2,3-Trichloropropane	13.504	75	133	1.762	ug/L #	40

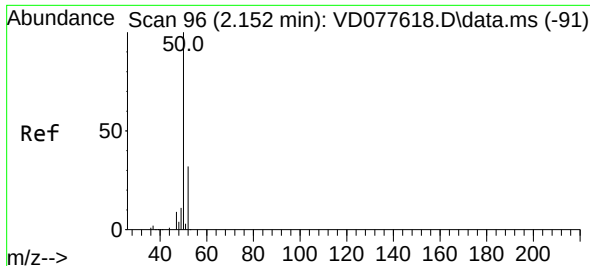
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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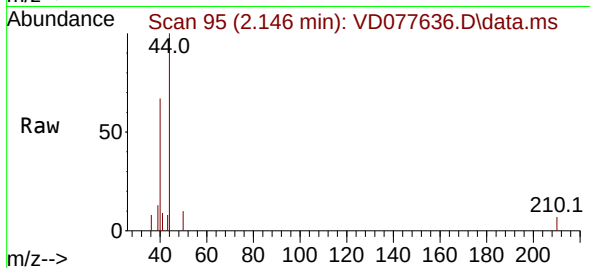
Quant Time: Nov 19 23:26:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
Quant Title : SFAM01.0
QLast Update : Sun Nov 19 23:22:21 2023
Response via : Initial Calibration



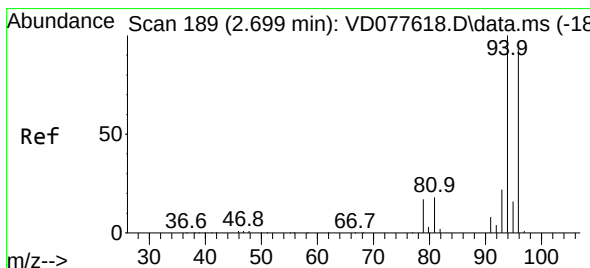
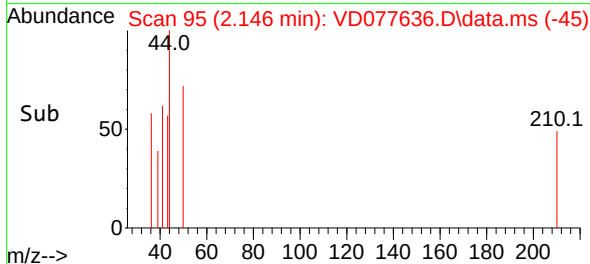
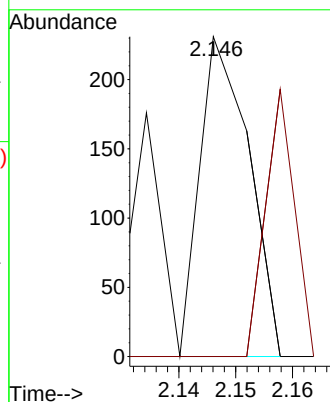


#3
Chloromethane
Concen: 0.619 ug/L
RT: 2.146 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

Instrument :
MSVOA_D
ClientSampleId :

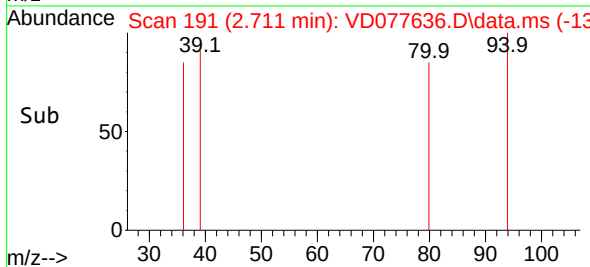
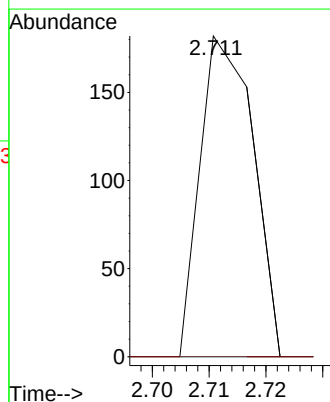
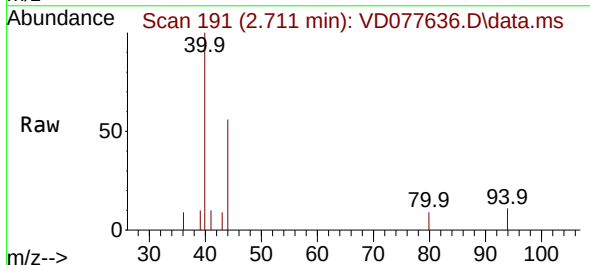


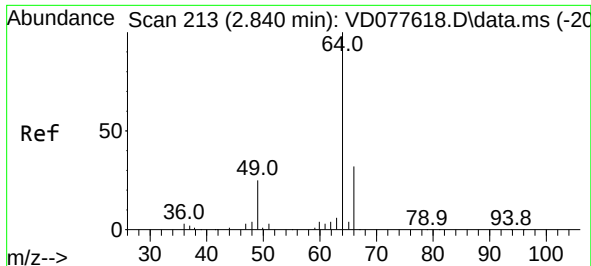
Tgt Ion: 50 Resp: 139
Ion Ratio Lower Upper
50 100
52 0.0 22.1 41.1#



#6
Bromomethane
Concen: 0.874 ug/L
RT: 2.711 min Scan# 191
Delta R.T. 0.012 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 0.0 64.5 119.9#

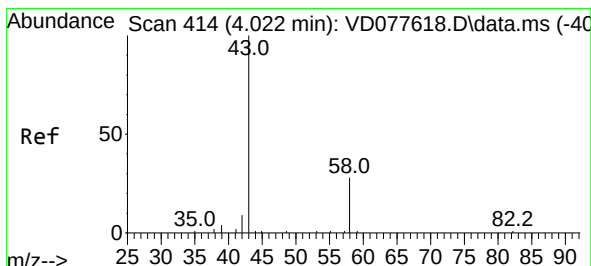
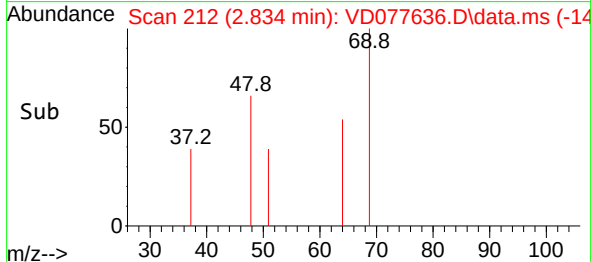
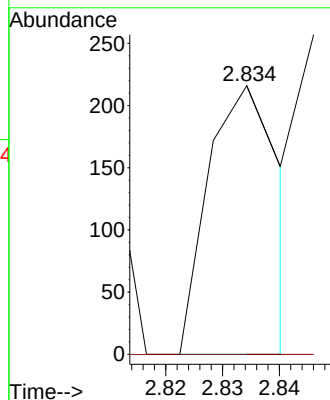
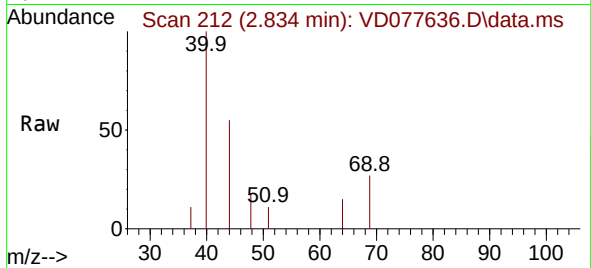




#8
Chloroethane
Concen: 1.206 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

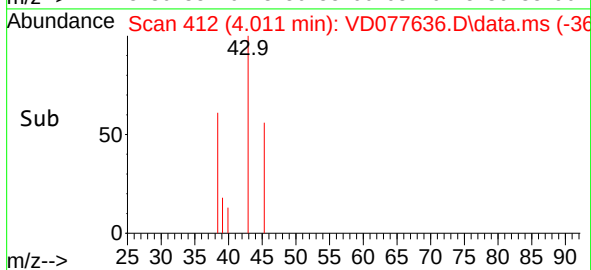
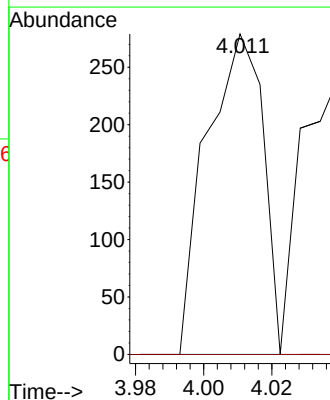
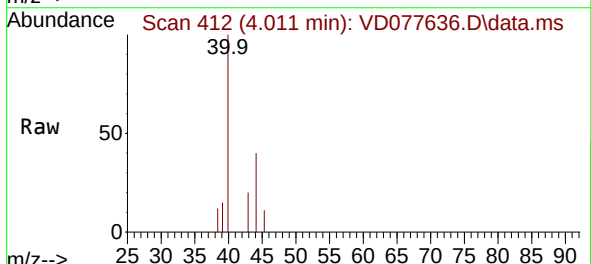
Instrument :
MSVOA_D
ClientSampleId :

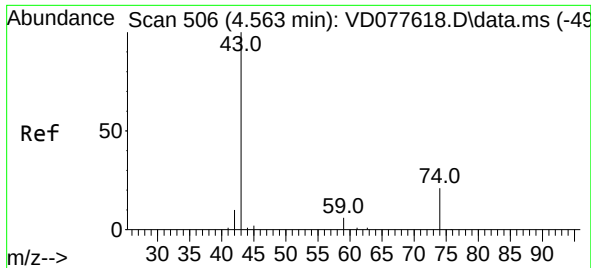
Tgt Ion: 64 Resp: 190
Ion Ratio Lower Upper
64 100
66 0.0 19.8 36.8#



#13
Acetone
Concen: 7.153 ug/L
RT: 4.011 min Scan# 412
Delta R.T. -0.011 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
58 0.0 0.0 64.0

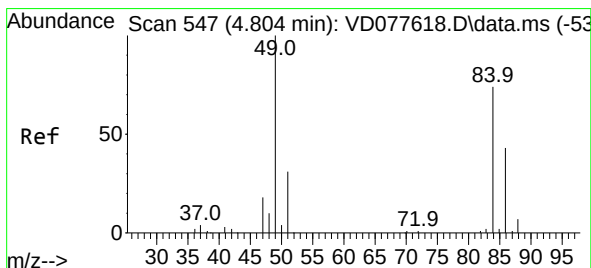
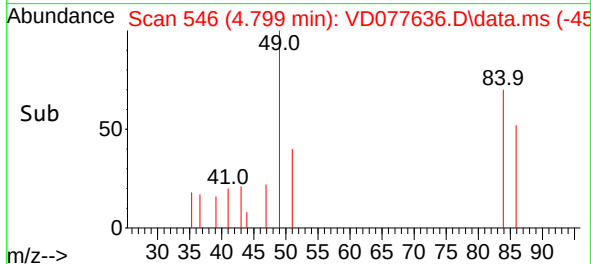
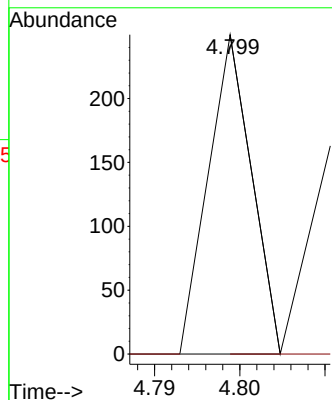
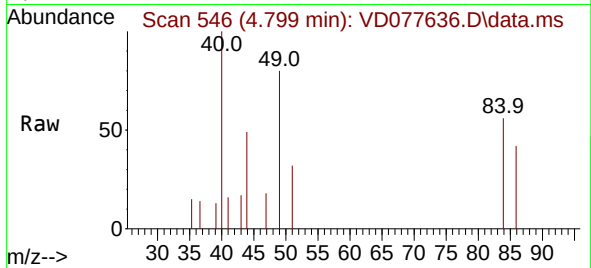




#15
Methyl Acetate
Concen: 1.192 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.236 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

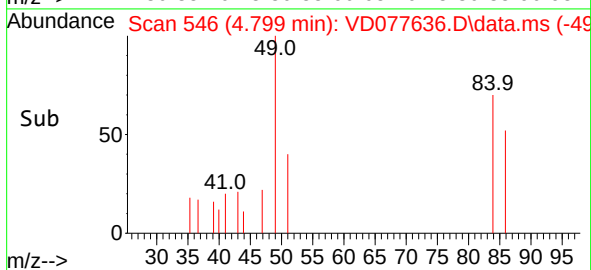
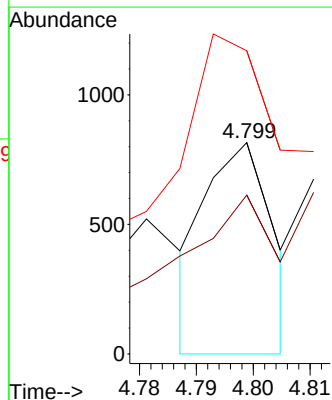
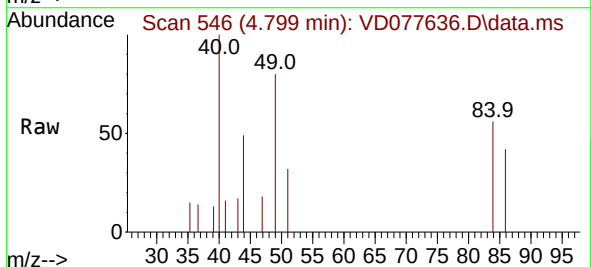
Instrument :
MSVOA_D
ClientSampleId :

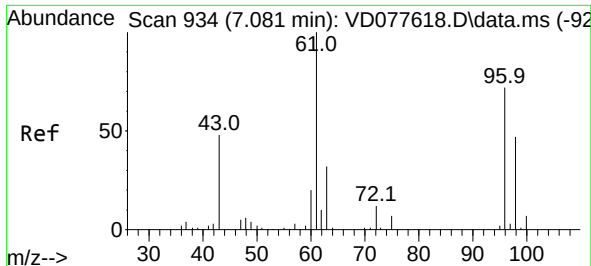
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#16
Methylene chloride
Concen: 4.087 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

Tgt Ion: 84 Resp: 669
Ion Ratio Lower Upper
84 100
86 75.1 46.5 86.5
49 143.4 98.3 182.7

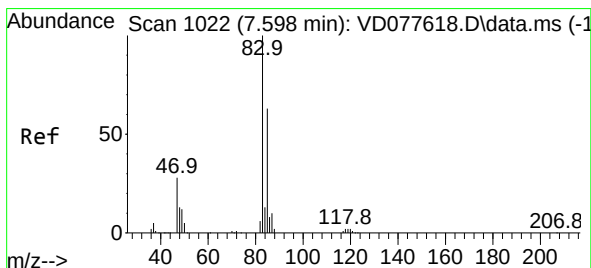
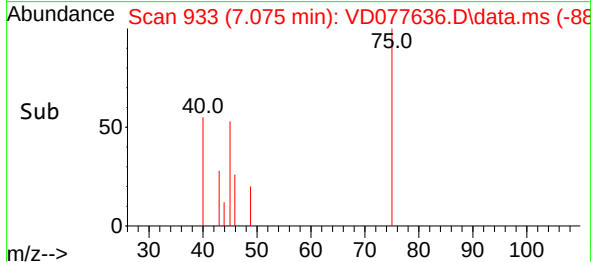
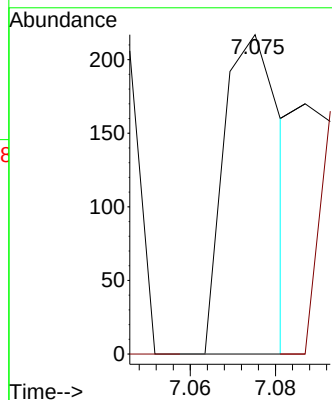
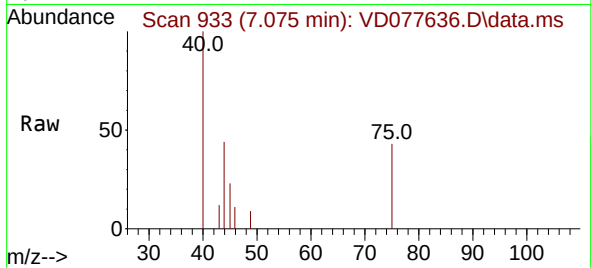




#22
2-Butanone
Concen: 3.722 ug/L
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

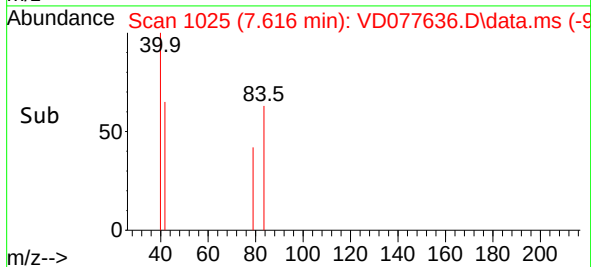
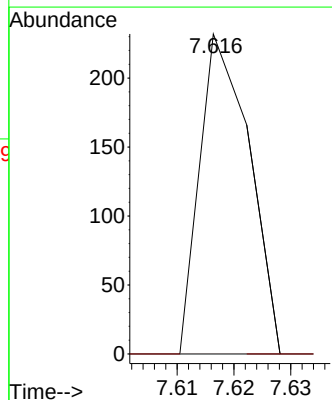
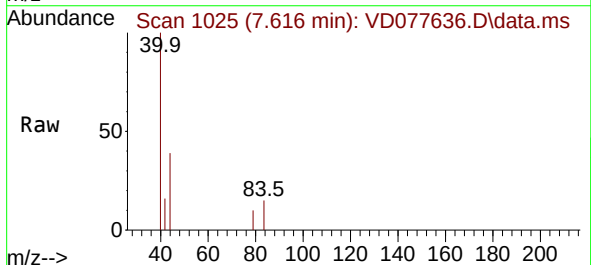
Instrument :
MSVOA_D
ClientSampleId :

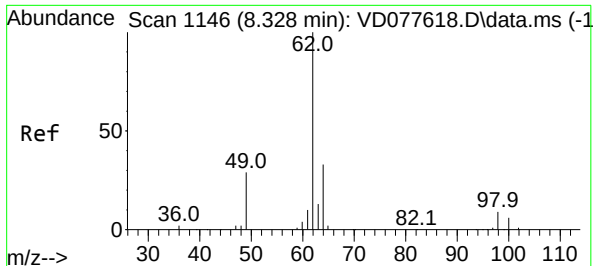
Tgt Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
72 0.0 12.8 38.4#



#25
Chloroform
Concen: 0.524 ug/L
RT: 7.616 min Scan# 1025
Delta R.T. 0.018 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

Tgt Ion: 83 Resp: 140
Ion Ratio Lower Upper
83 100
85 0.0 45.9 85.3#

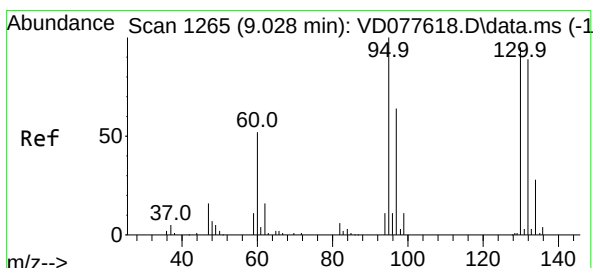
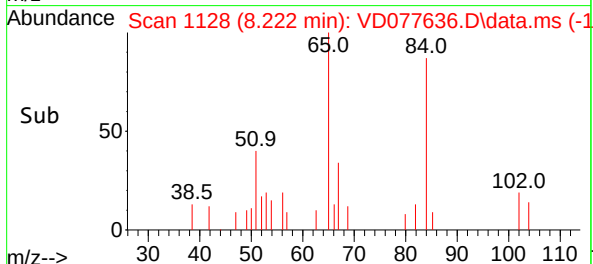
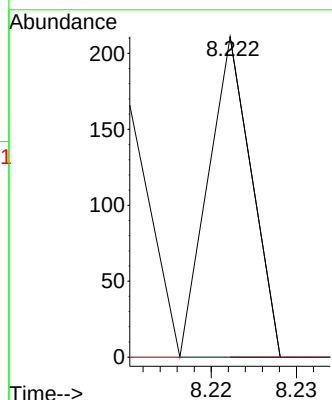
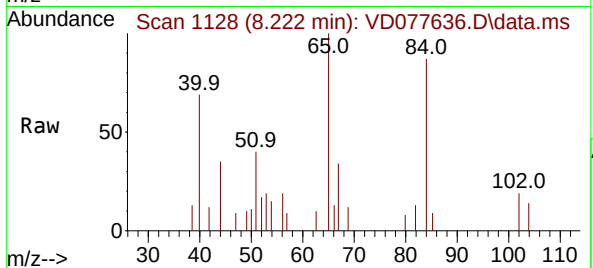




#27
1,2-Dichloroethane
Concen: 0.418 ug/L
RT: 8.222 min Scan# 1146
Delta R.T. -0.106 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

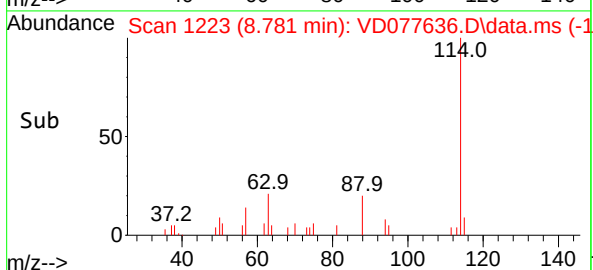
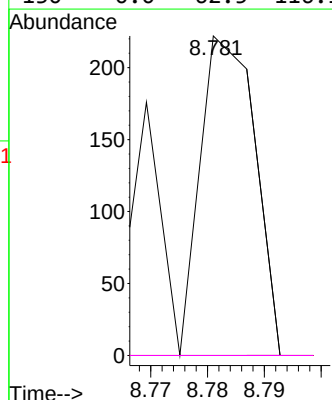
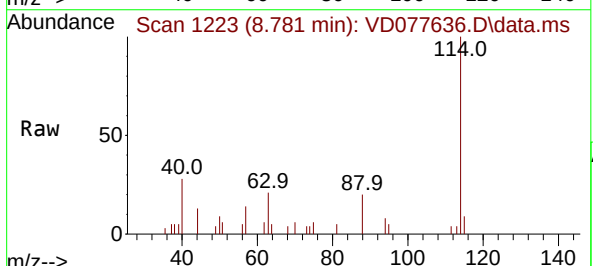
Instrument :
MSVOA_D
ClientSampleId :

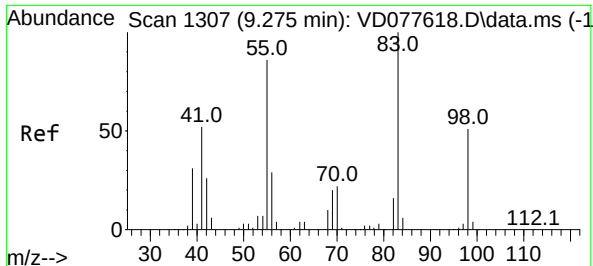
Tgt Ion: 62 Resp: 74
Ion Ratio Lower Upper
62 100
98 0.0 8.0 12.0#



#34
Trichloroethene
Concen: 0.917 ug/L
RT: 8.781 min Scan# 1223
Delta R.T. -0.247 min
Lab File: VD077636.D
Acq: 18 Nov 2023 17:32

Tgt Ion: 95 Resp: 149
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: 1.719 ug/L

RT: 9.216 min Scan# 1297

Delta R.T. -0.059 min

Lab File: VD077636.D

Acq: 18 Nov 2023 17:32

Instrument :

MSVOA_D

ClientSampleId :

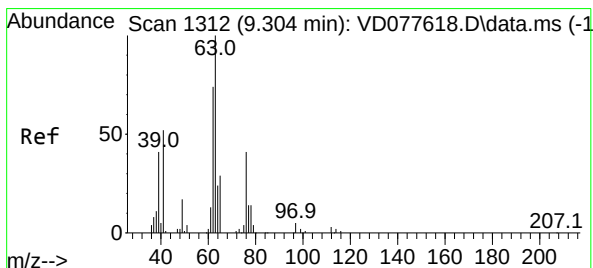
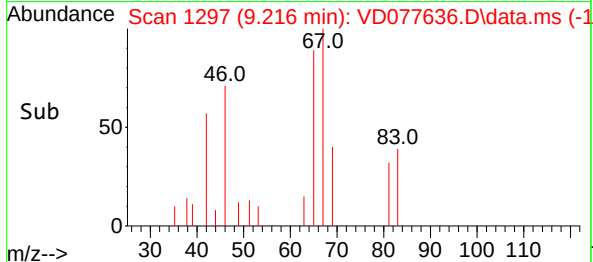
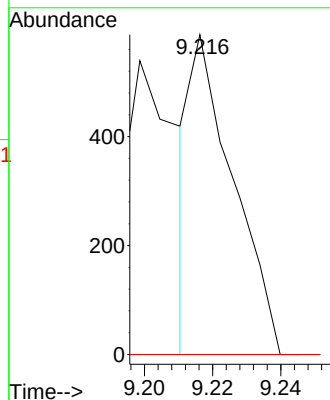
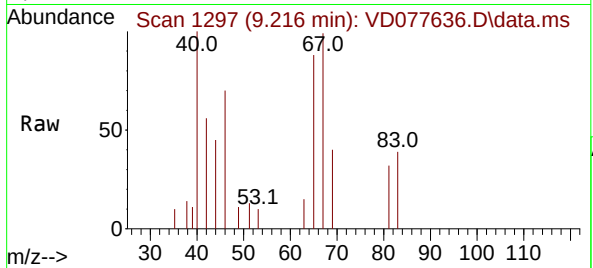
Tgt Ion: 83 Resp: 504

Ion Ratio Lower Upper

83 100

55 0.0 66.5 99.7#

98 0.0 37.4 56.2#



#37

1,2-Dichloropropane

Concen: 2.918 ug/L

RT: 9.210 min Scan# 1296

Delta R.T. -0.094 min

Lab File: VD077636.D

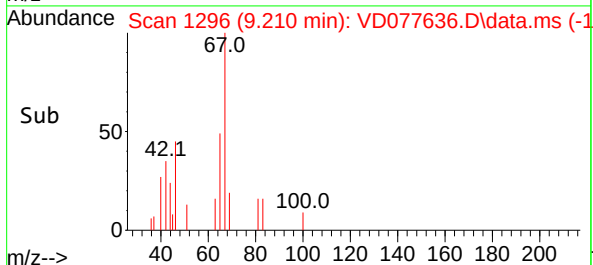
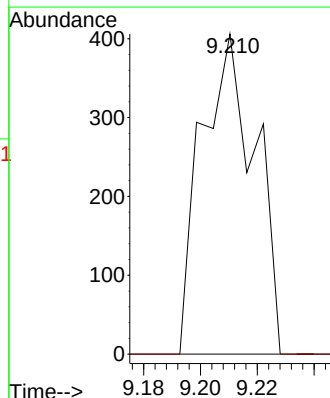
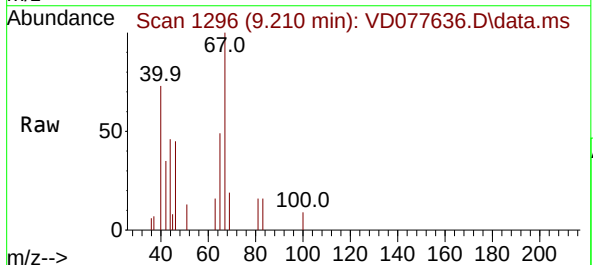
Acq: 18 Nov 2023 17:32

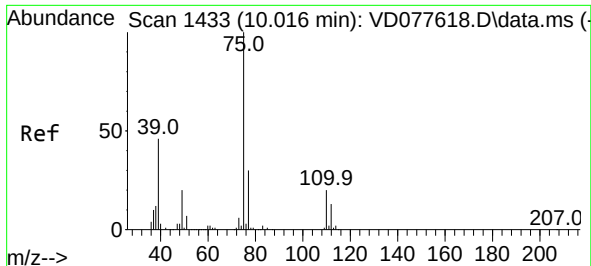
Tgt Ion: 63 Resp: 532

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.518 ug/L

RT: 9.981 min Scan# 1433

Delta R.T. -0.035 min

Lab File: VD077636.D

Acq: 18 Nov 2023 17:32

Instrument :

MSVOA_D

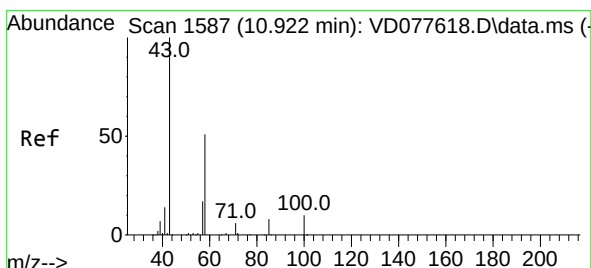
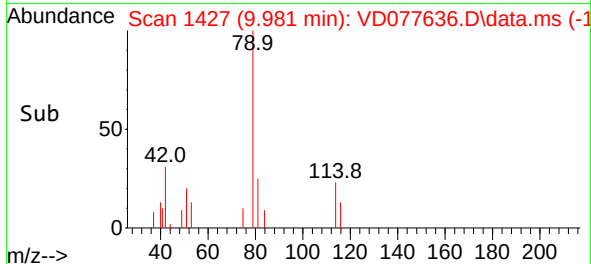
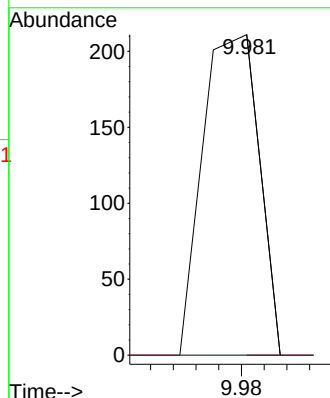
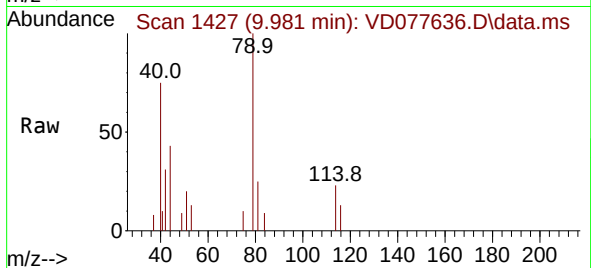
ClientSampleId :

Tgt Ion: 75 Resp: 145

Ion Ratio Lower Upper

75 100

77 0.0 22.5 41.9#



#48

2-Hexanone

Concen: 7.052 ug/L

RT: 10.904 min Scan# 1584

Delta R.T. -0.017 min

Lab File: VD077636.D

Acq: 18 Nov 2023 17:32

Tgt Ion: 43 Resp: 621

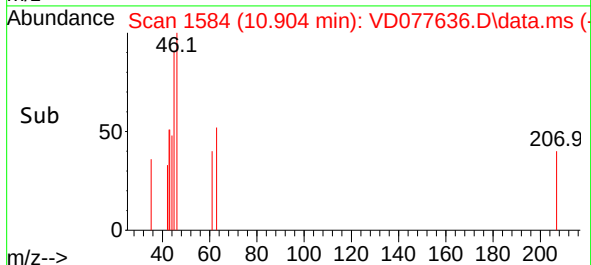
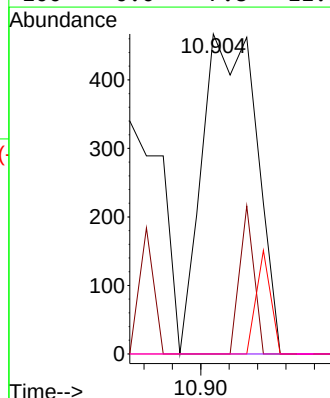
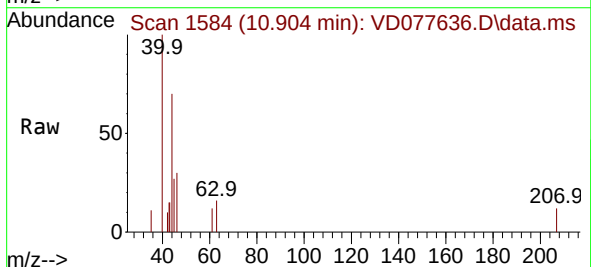
Ion Ratio Lower Upper

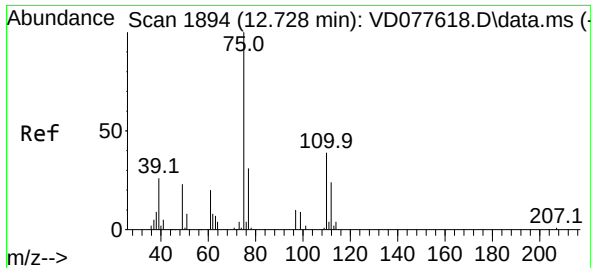
43 100

58 0.0 40.8 61.2#

57 0.0 13.7 20.5#

100 0.0 7.8 11.8#





#61

1,2,3-Trichloropropane

Concen: 1.762 ug/L

RT: 13.504 min Scan# 20

Delta R.T. 0.777 min

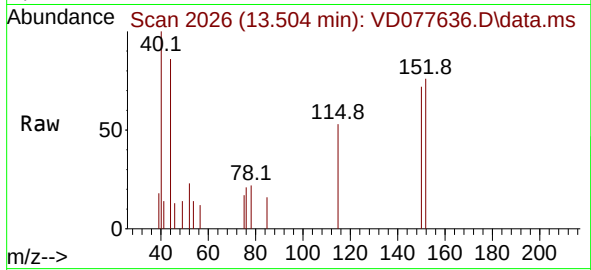
Lab File: VD077636.D

Acq: 18 Nov 2023 17:32

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75 Resp: 133

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

110 0.0 29.6 44.4#

