

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121423\
 Data File : VD077888.D
 Acq On : 14 Dec 2023 17:22
 Operator : RP/MD
 Sample : 05788-16
 Misc : 4.84G/10ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 15 07:14:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 06 00:24:24 2023
 Response via : Initial Calibration

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

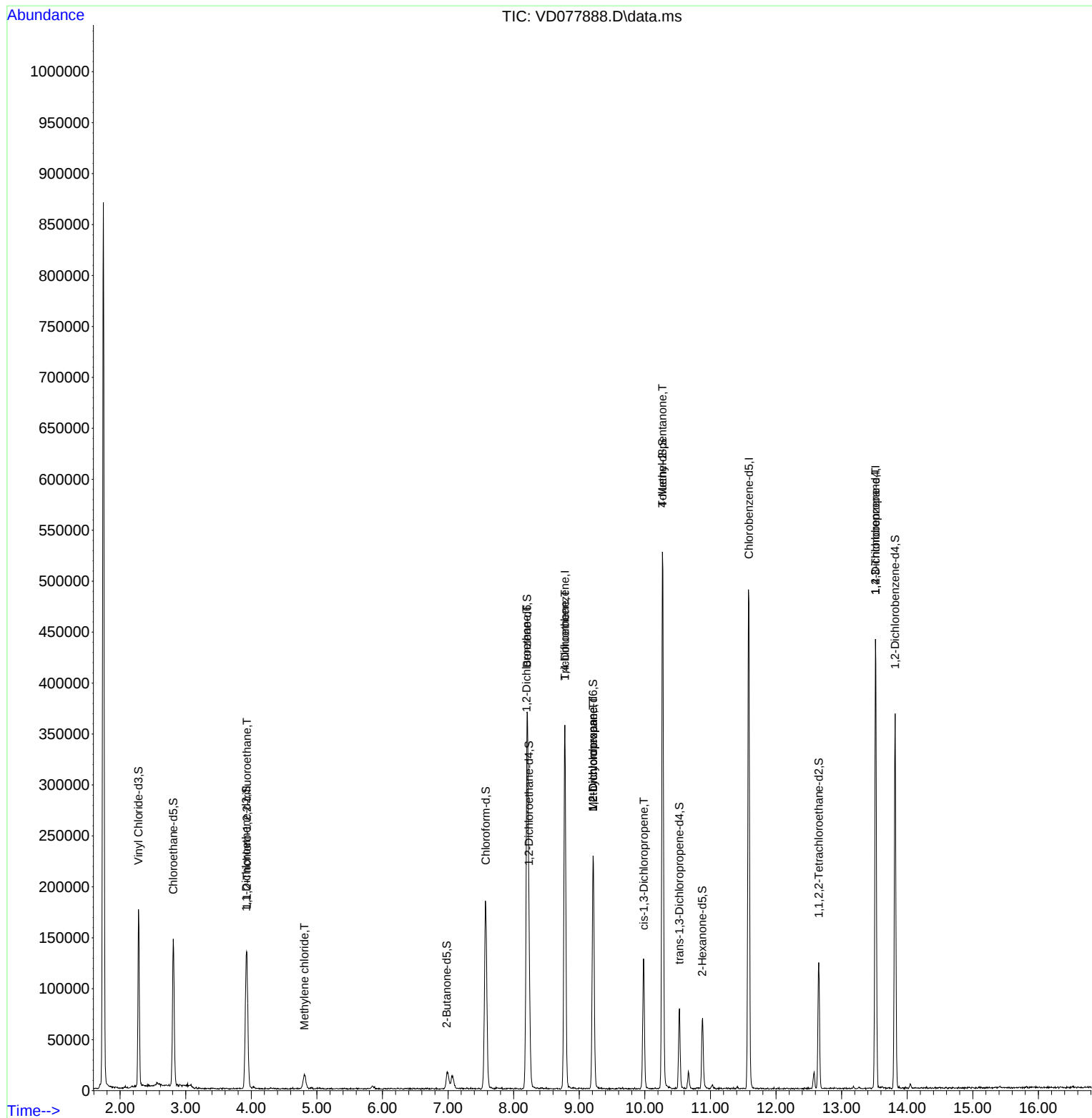
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	317307	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.586	117	291803	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	118252	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	163180	18.858	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.440%
7) Chloroethane-d5	2.810	69	148130	21.477	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.920%
11) 1,1-Dichloroethene-d2	3.922	65	40815	18.191	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.760%
21) 2-Butanone-d5	6.981	46	16865	15.421	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	30.840%
24) Chloroform-d	7.575	84	189014	22.102	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	8.234	65	87476	20.188	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.760%
32) Benzene-d6	8.204	84	402441	22.899	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	9.210	67	116218	21.674	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.680%
41) Toluene-d8	10.269	98	369454	22.839	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.360%
43) trans-1,3-Dichloroprop...	10.528	79	44723	18.861	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.440%
47) 2-Hexanone-d5	10.875	63	25179	27.250	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.500%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	64441	16.631	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	66.520%
66) 1,2-Dichlorobenzene-d4	13.816	152	96471	22.804	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.200%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	3.934	101	1033	0.226	ug/L #	21
16) Methylene chloride	4.810	84	10421	1.850	ug/L	87
27) 1,2-Dichloroethane	8.198	62	2528	0.484	ug/L #	72
34) Trichloroethene	8.781	95	10067	2.135	ug/L #	5
35) Methylcyclohexane	9.210	83	27176	3.247	ug/L #	20
37) 1,2-Dichloropropane	9.210	63	12202	2.464	ug/L #	87
39) cis-1,3-Dichloropropene	9.986	75	3498	0.452	ug/L #	70
40) 4-Methyl-2-pentanone	10.269	43	1937	0.709	ug/L #	1
61) 1,2,3-Trichloropropane	13.516	75	15663	7.201	ug/L #	62

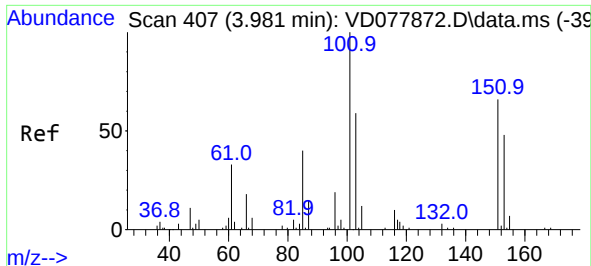
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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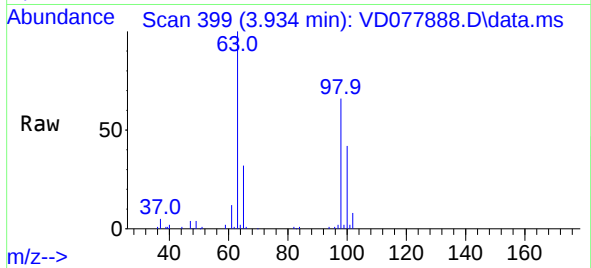
Quant Time: Dec 15 07:14:17 2023
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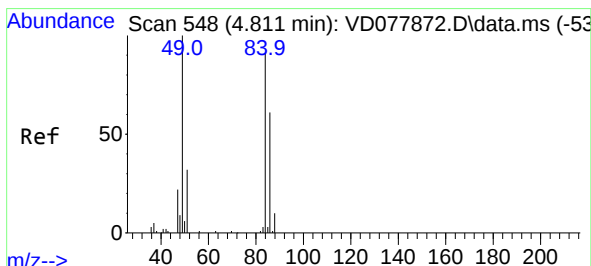
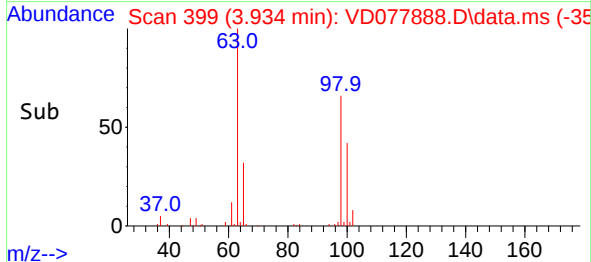
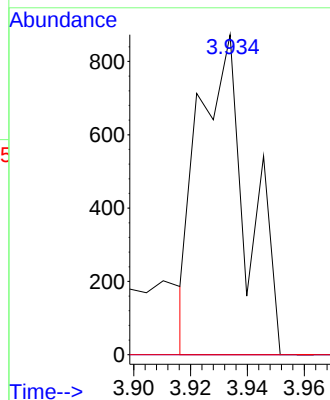


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.226 ug/L
RT: 3.934 min Scan# 399
Delta R.T. -0.041 min
Lab File: VD077888.D
Acq: 14 Dec 2023 17:22

Instrument :
MSVOA_D
ClientSampleId :

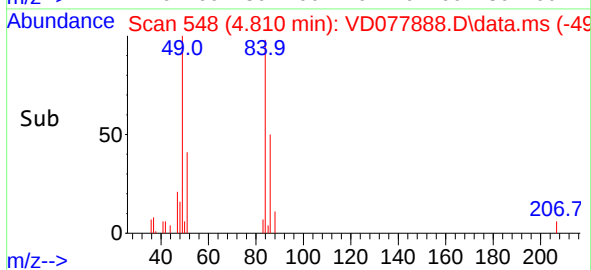
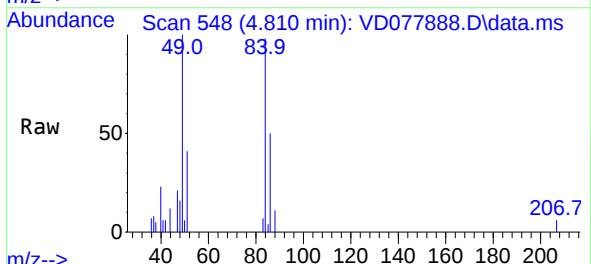
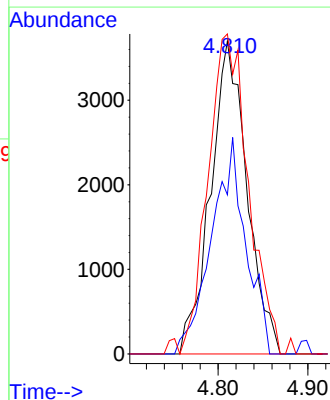


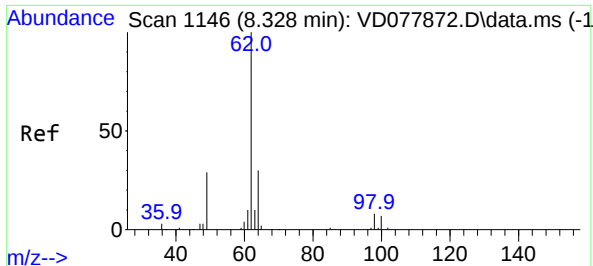
Tgt Ion:101 Resp: 1033
Ion Ratio Lower Upper
101 100
85 0.0 35.8 53.6#
151 0.0 57.0 85.6#



#16
Methylene chloride
Concen: 1.850 ug/L
RT: 4.810 min Scan# 548
Delta R.T. -0.000 min
Lab File: VD077888.D
Acq: 14 Dec 2023 17:22

Tgt Ion: 84 Resp: 10421
Ion Ratio Lower Upper
84 100
86 50.9 40.1 74.5
49 102.3 83.2 154.6

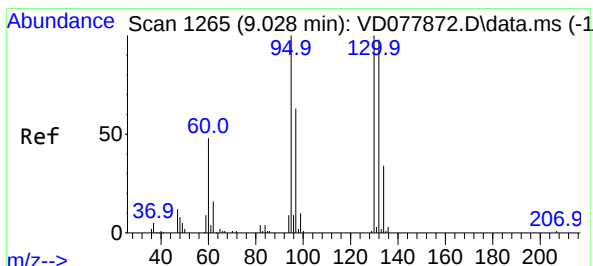
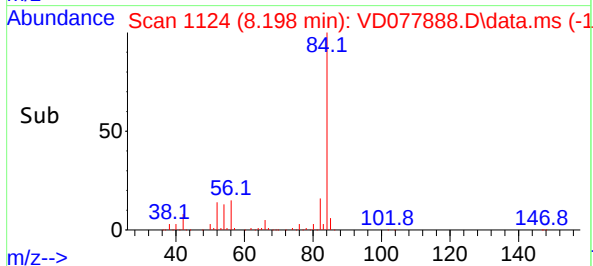
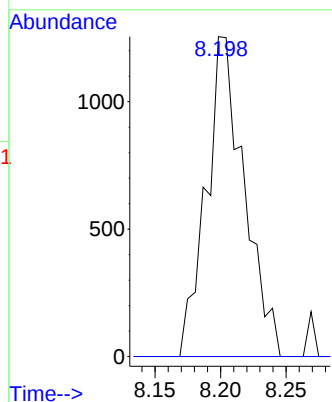
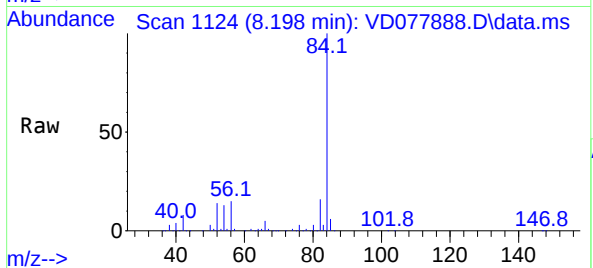




#27
1,2-Dichloroethane
Concen: 0.484 ug/L
RT: 8.198 min Scan# 1146
Delta R.T. -0.130 min
Lab File: VD077888.D
Acq: 14 Dec 2023 17:22

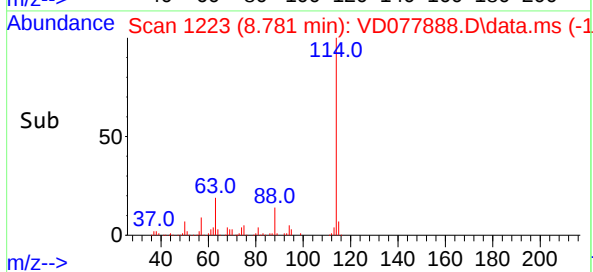
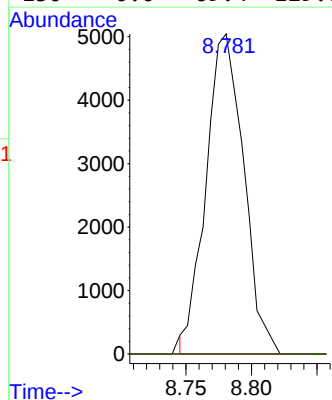
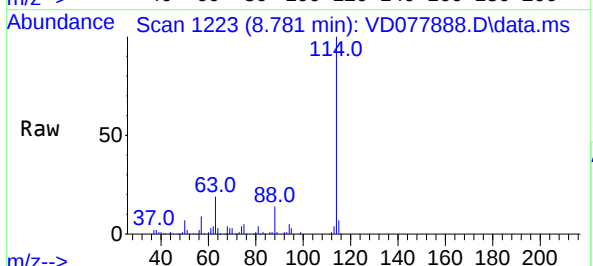
Instrument :
MSVOA_D
ClientSampleId :

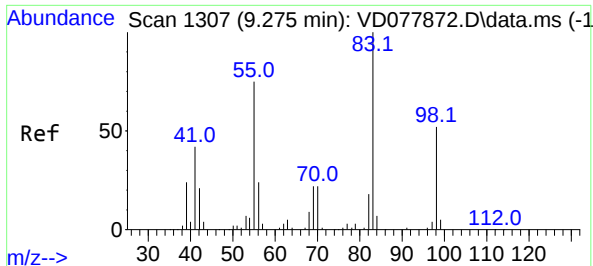
Tgt Ion: 62 Resp: 2528
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#



#34
Trichloroethene
Concen: 2.135 ug/L
RT: 8.781 min Scan# 1223
Delta R.T. -0.253 min
Lab File: VD077888.D
Acq: 14 Dec 2023 17:22

Tgt Ion: 95 Resp: 10067
Ion Ratio Lower Upper
95 100
97 0.0 44.2 82.0#
132 0.0 67.5 125.3#
130 0.0 69.4 129.0#

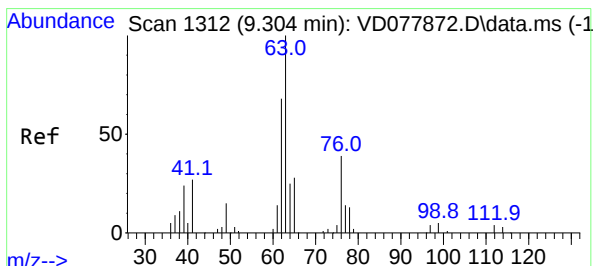
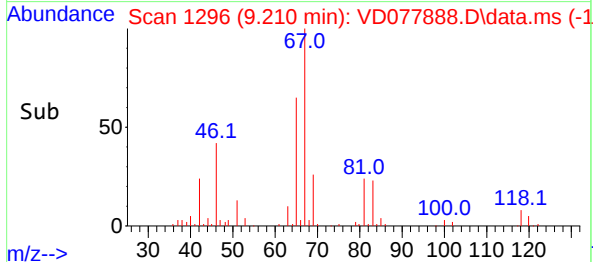
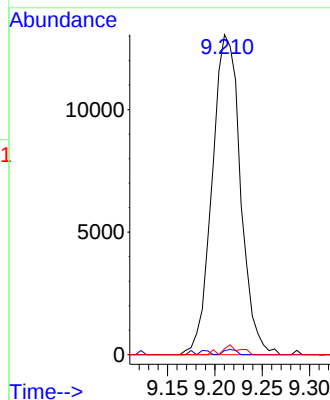
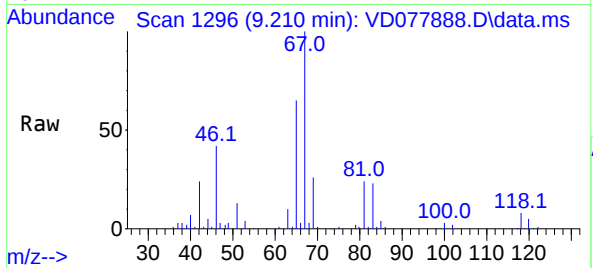




#35
Methylcyclohexane
Concen: 3.247 ug/L
RT: 9.210 min Scan# 1296
Delta R.T. -0.065 min
Lab File: VD077888.D
Acq: 14 Dec 2023 17:22

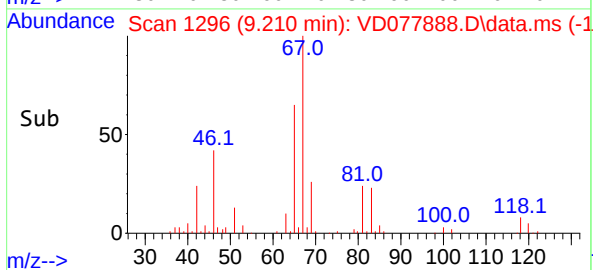
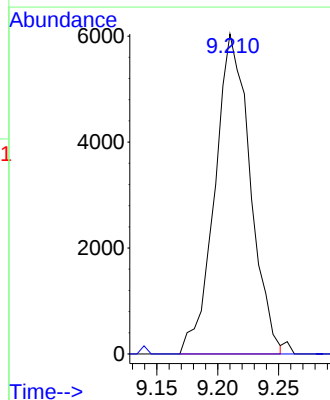
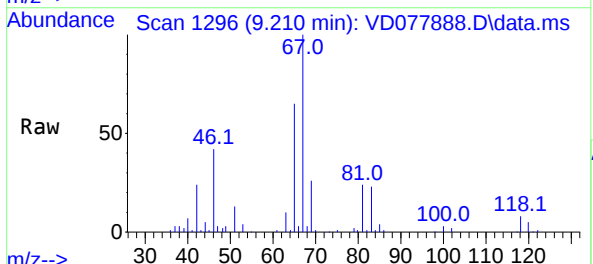
Instrument :
MSVOA_D
ClientSampleId :

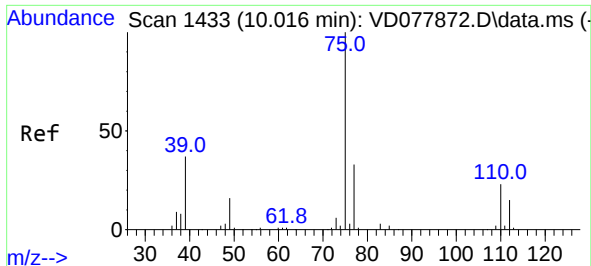
Tgt Ion: 83 Resp: 27176
Ion Ratio Lower Upper
83 100
55 0.7 59.8 89.6#
98 1.1 38.5 57.7#



#37
1,2-Dichloropropane
Concen: 2.464 ug/L
RT: 9.210 min Scan# 1296
Delta R.T. -0.094 min
Lab File: VD077888.D
Acq: 14 Dec 2023 17:22

Tgt Ion: 63 Resp: 12202
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#

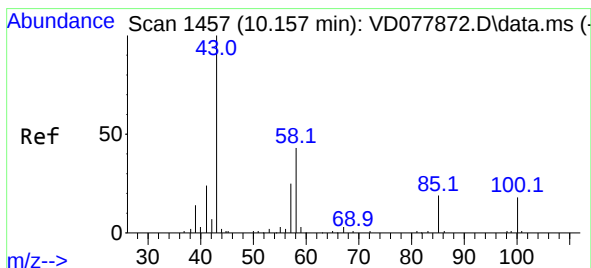
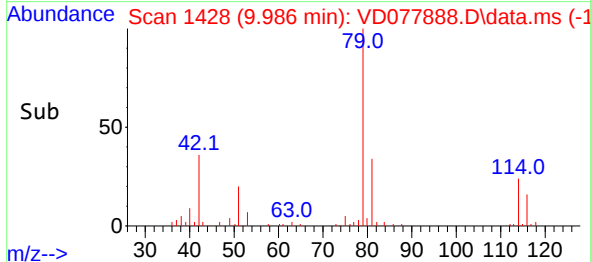
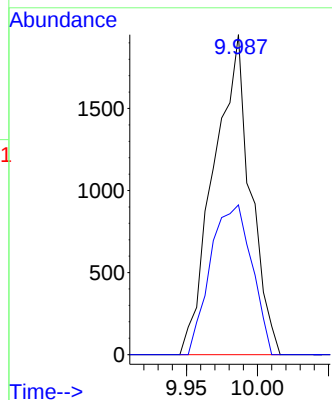
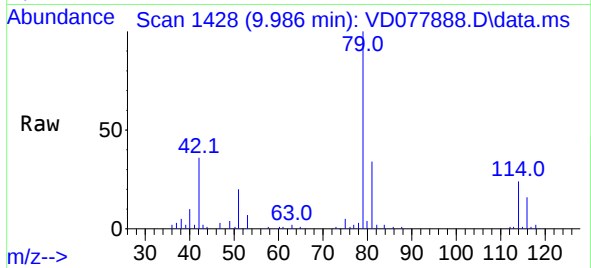




#39
 cis-1,3-Dichloropropene
 Concen: 0.452 ug/L
 RT: 9.986 min Scan# 1433
 Delta R.T. -0.036 min
 Lab File: VD077888.D
 Acq: 14 Dec 2023 17:22

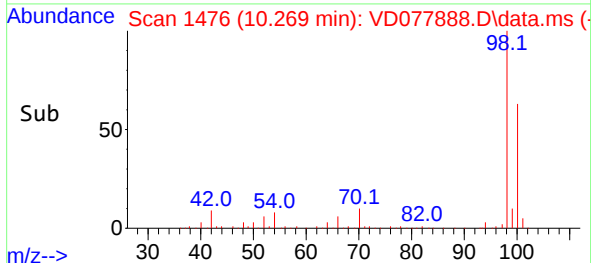
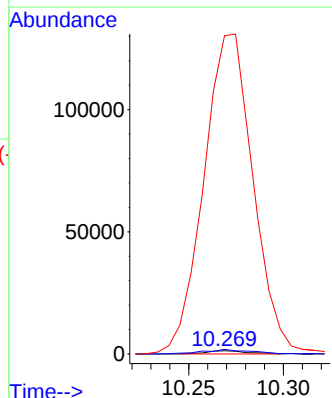
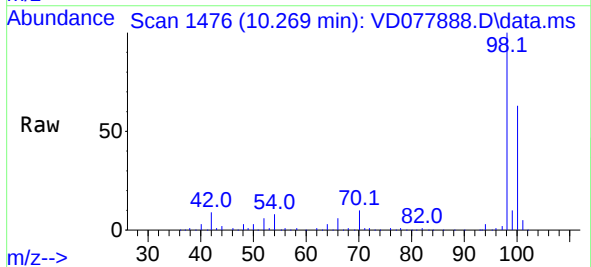
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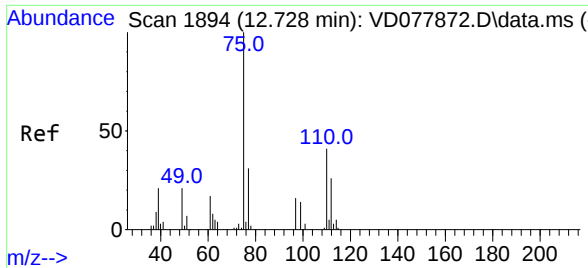
Tgt Ion: 75 Resp: 3498
 Ion Ratio Lower Upper
 75 100
 77 46.8 21.2 39.4#



#40
 4-Methyl-2-pentanone
 Concen: 0.709 ug/L
 RT: 10.269 min Scan# 1476
 Delta R.T. 0.106 min
 Lab File: VD077888.D
 Acq: 14 Dec 2023 17:22

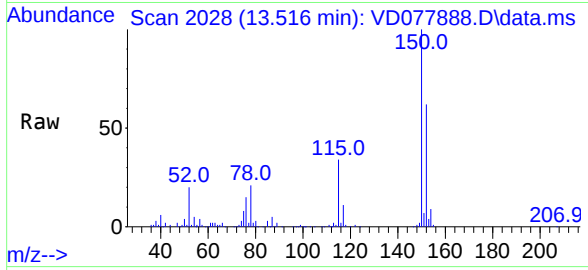
Tgt Ion: 43 Resp: 1937
 Ion Ratio Lower Upper
 43 100
 58 170.9 31.0 46.4#
 100 12354.9 11.9 17.9#





#61
1,2,3-Trichloropropane
Concen: 7.201 ug/L
RT: 13.516 min Scan# 20
Delta R.T. 0.788 min
Lab File: VD077888.D
Acq: 14 Dec 2023 17:22

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	75	Resp:	15663
Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.8	40.2
110	0.6	33.4	50.2#

