

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121823\
 Data File : VD077948.D
 Acq On : 18 Dec 2023 15:38
 Operator : RP/MD
 Sample : 05808-09
 Misc : 5.77G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 18 23:17:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 18 23:16:23 2023
 Response via : Initial Calibration

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

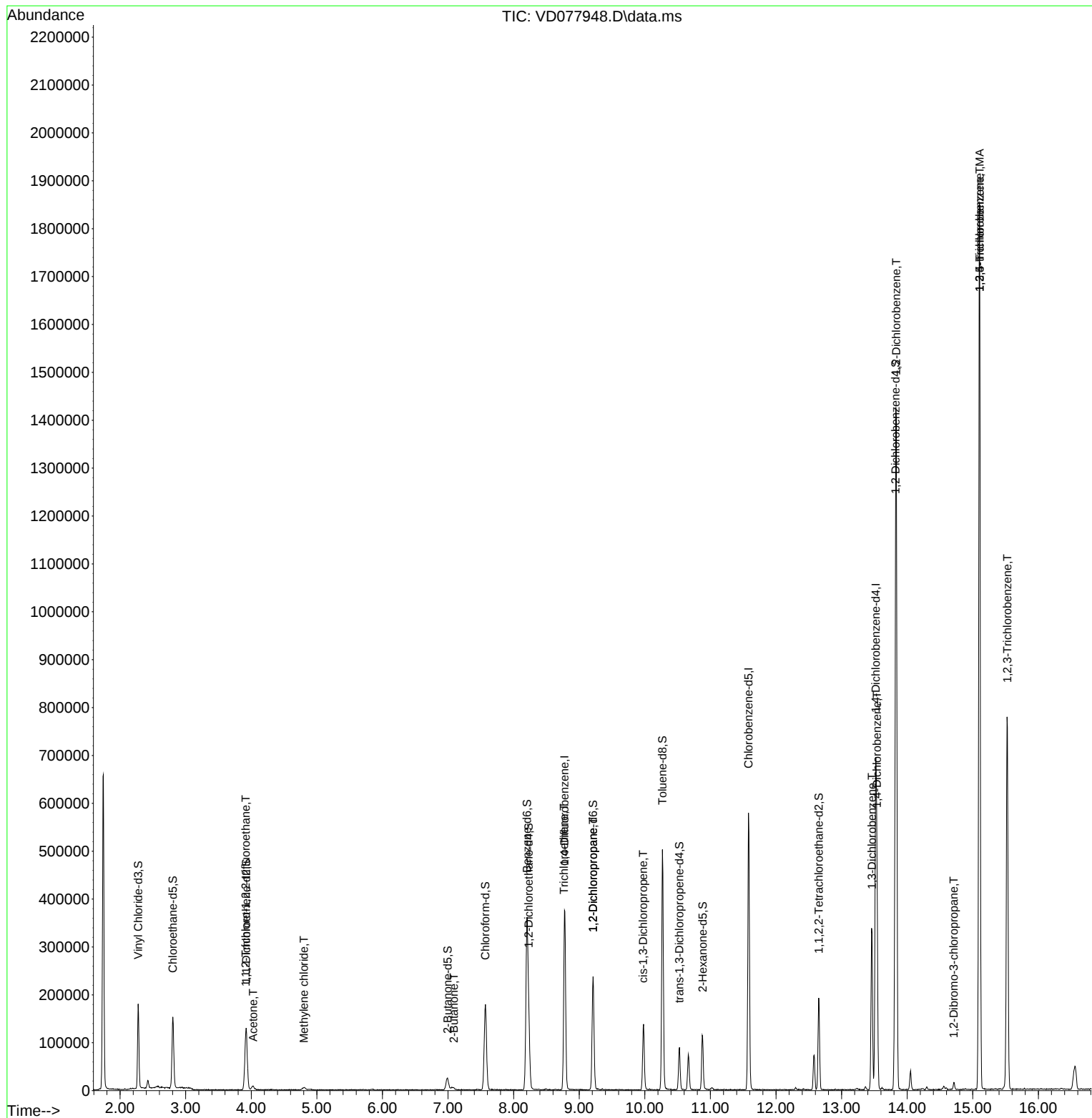
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	348433	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	334374	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	162444	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	164365	17.298	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.200%
7) Chloroethane-d5	2.805	69	158456	20.922	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.680%
11) 1,1-Dichloroethene-d2	3.922	65	35097	14.246	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.000%
21) 2-Butanone-d5	6.993	46	43215	35.985	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.980%
24) Chloroform-d	7.569	84	188727	20.097	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.400%
26) 1,2-Dichloroethane-d4	8.228	65	98523	20.707	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.840%
32) Benzene-d6	8.204	84	380791	18.909	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.640%
36) 1,2-Dichloropropane-d6	9.210	67	116787	19.007	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	76.040%
41) Toluene-d8	10.269	98	346390	18.687	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.760%
43) trans-1,3-Dichloroprop...	10.528	79	50801	18.696	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.800%
47) 2-Hexanone-d5	10.881	63	42444	40.087	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.180%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	96741	21.788	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.160%
66) 1,2-Dichlorobenzene-d4	13.822	152	127990	22.024	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.080%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	3.916	101	1424	0.284	ug/L #	21
13) Acetone	4.028	43	11494	7.470	ug/L	94
16) Methylene chloride	4.805	84	4255	0.688	ug/L #	70
22) 2-Butanone	7.087	43	1532	0.885	ug/L	95
34) Trichloroethene	8.769	95	9829	1.819	ug/L #	5
37) 1,2-Dichloropropane	9.210	63	12729	2.243	ug/L #	87
39) cis-1,3-Dichloropropene	9.975	75	3810	0.430	ug/L #	68
64) 1,3-Dichlorobenzene	13.463	146	142257	13.567	ug/L	96
65) 1,4-Dichlorobenzene	13.540	146	160960	14.793	ug/L	97
67) 1,2-Dichlorobenzene	13.834	146	512213	54.286	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.710	75	2457	3.487	ug/L #	1
69) 1,3,5-Trichlorobenzene	15.104	180	592612	82.997	ug/L	100
70) 1,2,4-trichlorobenzene	15.104	180	592612	97.766	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	270577	50.919	ug/L	99

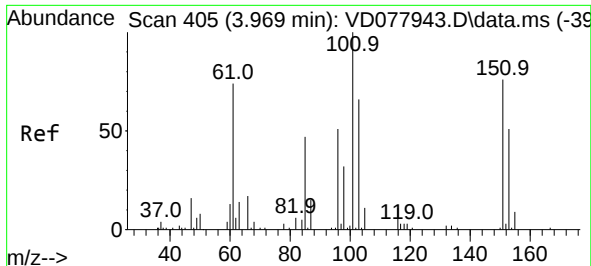
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Mon Dec 18 23:16:23 2023
Response via : Initial Calibration

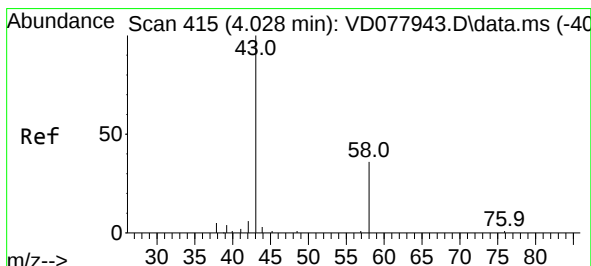
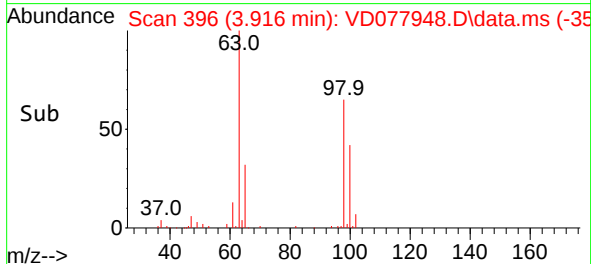
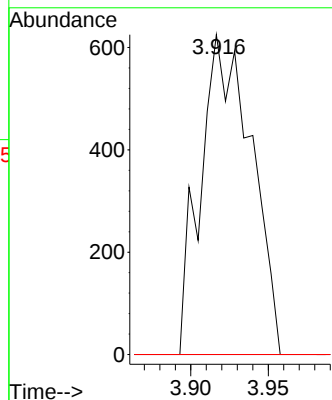
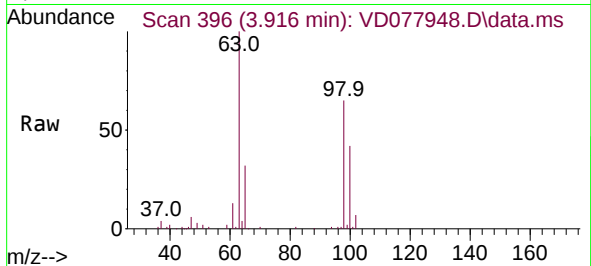




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.284 ug/L
 RT: 3.916 min Scan# 396
 Delta R.T. -0.053 min
 Lab File: VD077948.D
 Acq: 18 Dec 2023 15:38

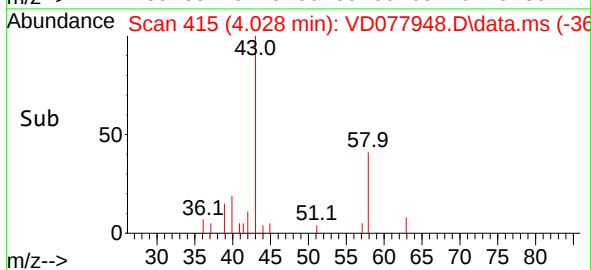
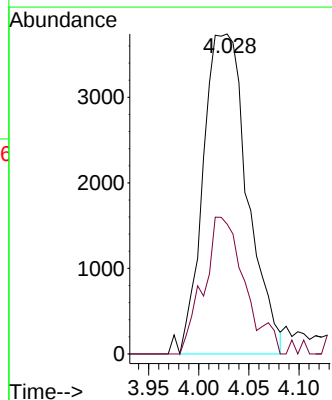
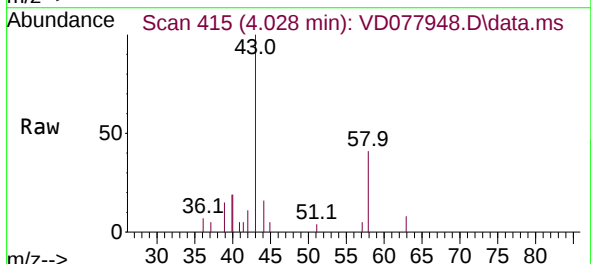
Instrument :
 MSVOA_D
 ClientSampleId :

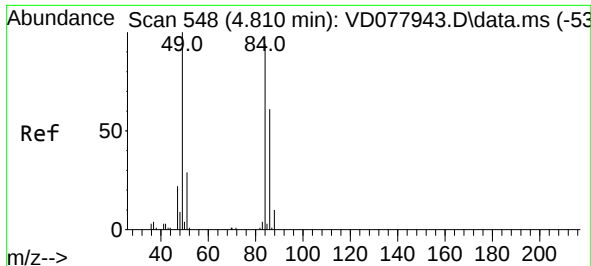
Tgt Ion:101 Resp: 1424
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.8 53.6#
 151 0.0 57.0 85.6#



#13
 Acetone
 Concen: 7.470 ug/L
 RT: 4.028 min Scan# 415
 Delta R.T. 0.000 min
 Lab File: VD077948.D
 Acq: 18 Dec 2023 15:38

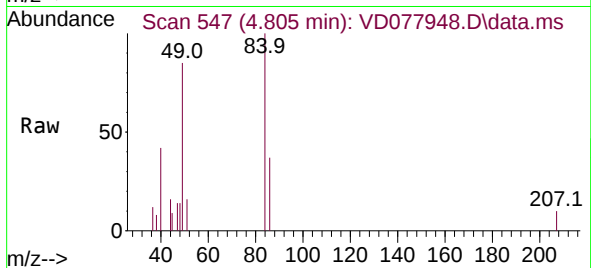
Tgt Ion: 43 Resp: 11494
 Ion Ratio Lower Upper
 43 100
 58 30.1 0.0 67.2



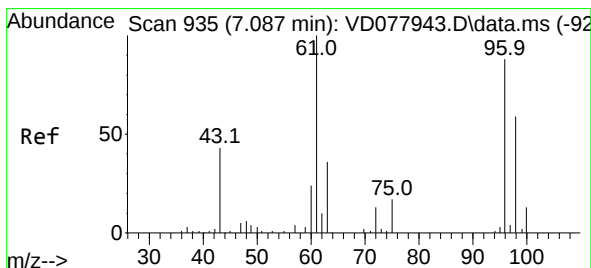
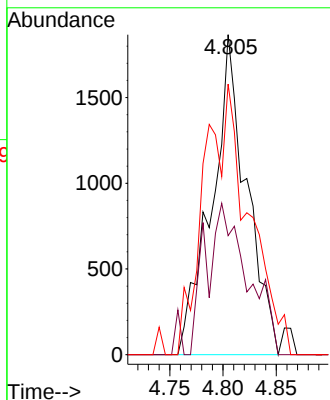
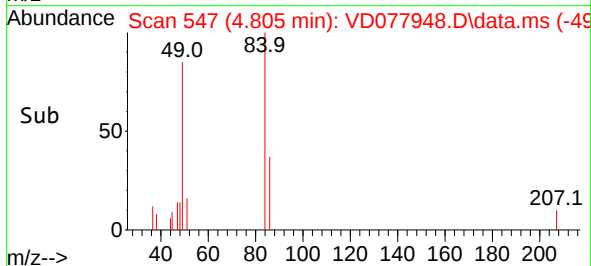


#16
Methylene chloride
Concen: 0.688 ug/L
RT: 4.805 min Scan# 548
Delta R.T. -0.006 min
Lab File: VD077948.D
Acq: 18 Dec 2023 15:38

Instrument :
MSVOA_D
ClientSampleId :

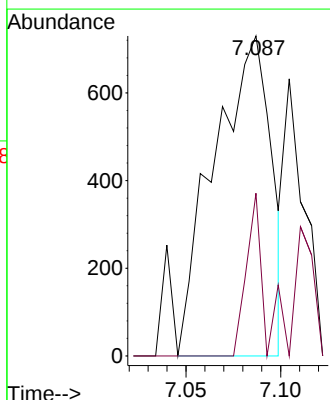
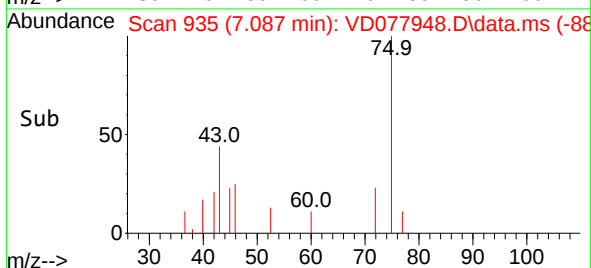
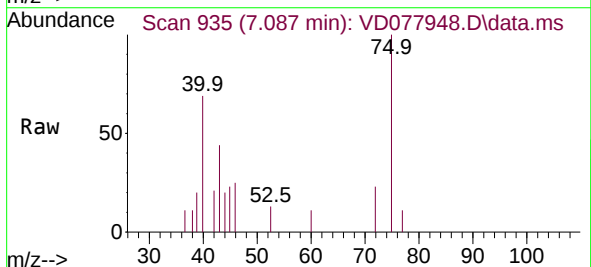


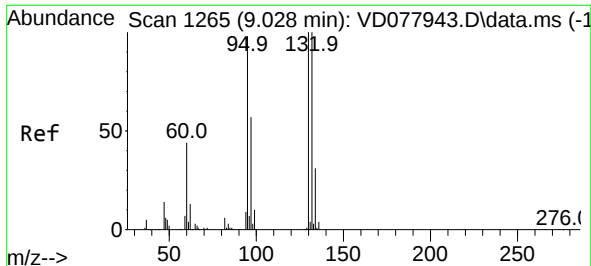
Tgt Ion: 84 Resp: 4255
Ion Ratio Lower Upper
84 100
86 37.2 40.1 74.5#
49 84.6 83.2 154.6



#22
2-Butanone
Concen: 0.885 ug/L
RT: 7.087 min Scan# 935
Delta R.T. 0.000 min
Lab File: VD077948.D
Acq: 18 Dec 2023 15:38

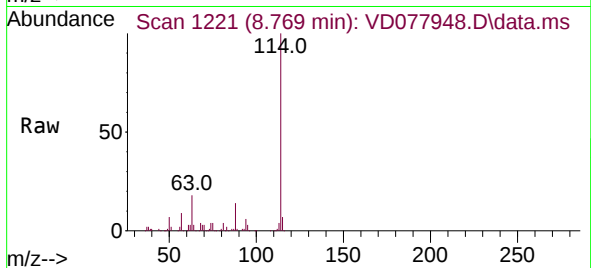
Tgt Ion: 43 Resp: 1532
Ion Ratio Lower Upper
43 100
72 12.5 7.2 21.6



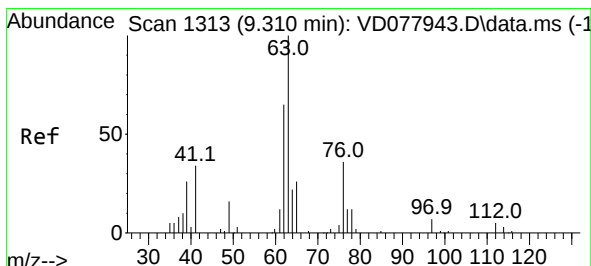
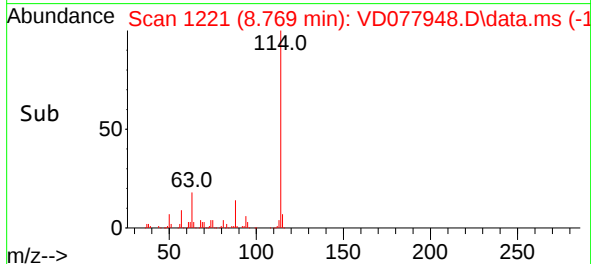
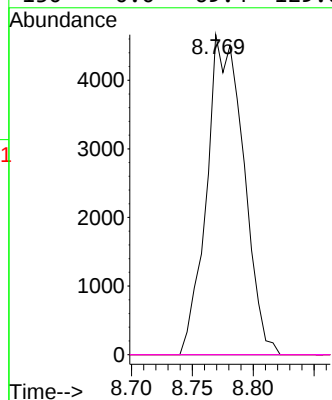


#34
 Trichloroethene
 Concen: 1.819 ug/L
 RT: 8.769 min Scan# 11
 Delta R.T. -0.259 min
 Lab File: VD077948.D
 Acq: 18 Dec 2023 15:38

Instrument :
 MSVOA_D
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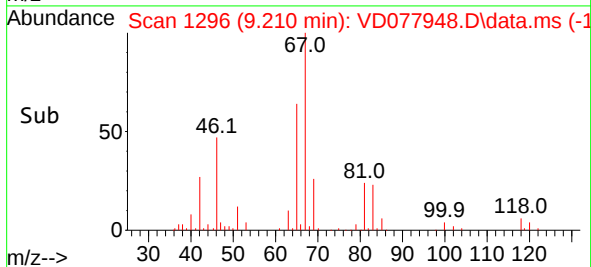
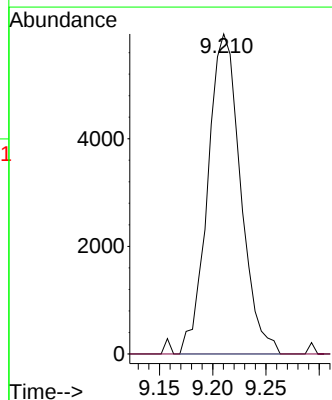
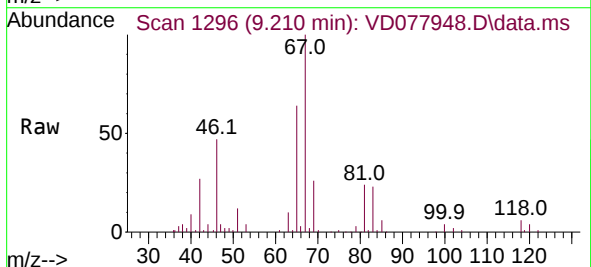


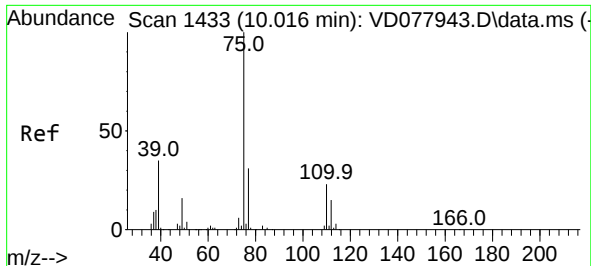
Tgt Ion: 95 Resp: 9829
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.2 82.0#
 132 0.0 67.5 125.3#
 130 0.0 69.4 129.0#



#37
 1,2-Dichloropropane
 Concen: 2.243 ug/L
 RT: 9.210 min Scan# 1296
 Delta R.T. -0.100 min
 Lab File: VD077948.D
 Acq: 18 Dec 2023 15:38

Tgt Ion: 63 Resp: 12729
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.430 ug/L

RT: 9.975 min Scan# 1433

Delta R.T. -0.041 min

Lab File: VD077948.D

Acq: 18 Dec 2023 15:38

Instrument :

MSVOA_D

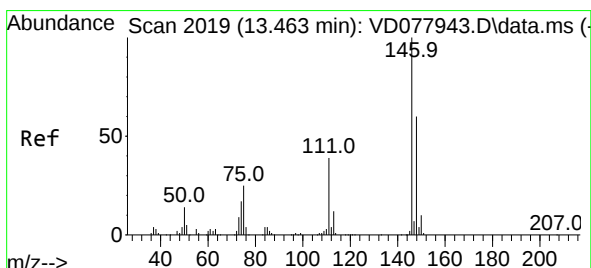
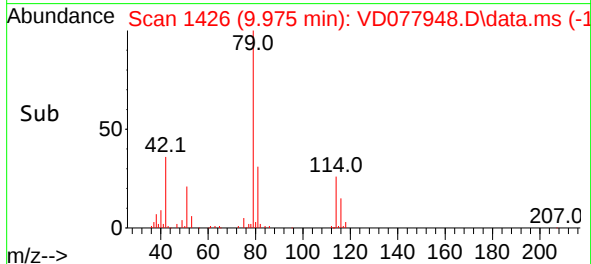
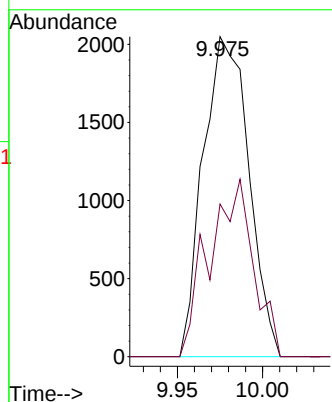
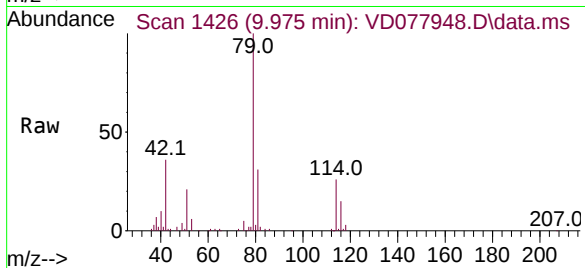
ClientSampleId :

Tgt Ion: 75 Resp: 3810

Ion Ratio Lower Upper

75 100

77 47.7 21.2 39.4#



#64

1,3-Dichlorobenzene

Concen: 13.567 ug/L

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD077948.D

Acq: 18 Dec 2023 15:38

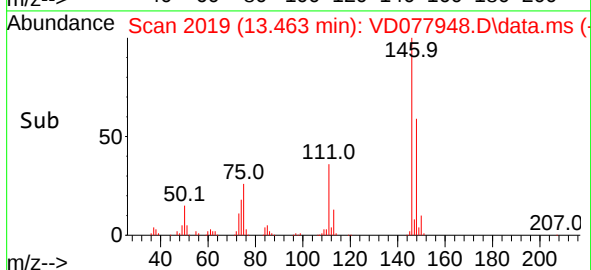
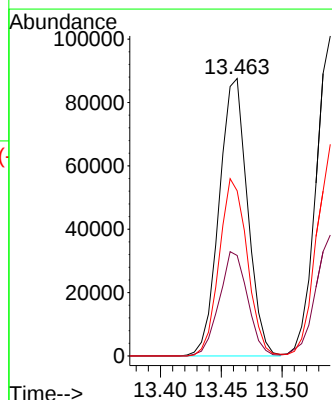
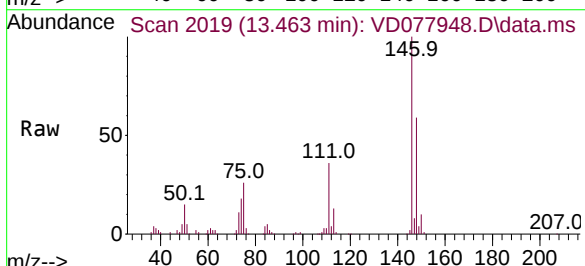
Tgt Ion:146 Resp: 142257

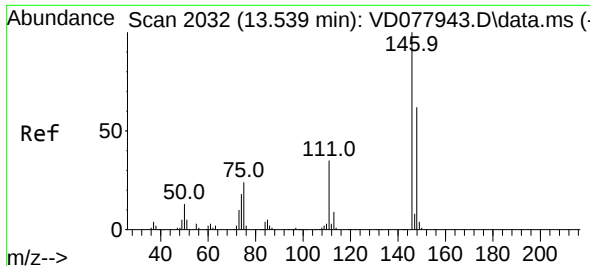
Ion Ratio Lower Upper

146 100

111 36.2 26.6 49.4

148 59.5 44.0 81.6

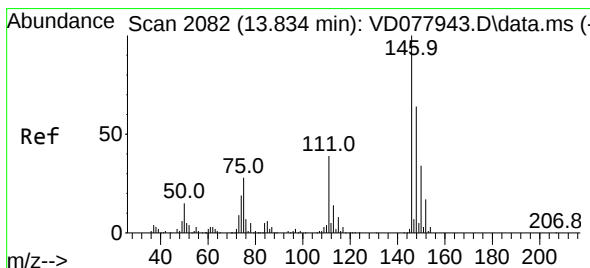
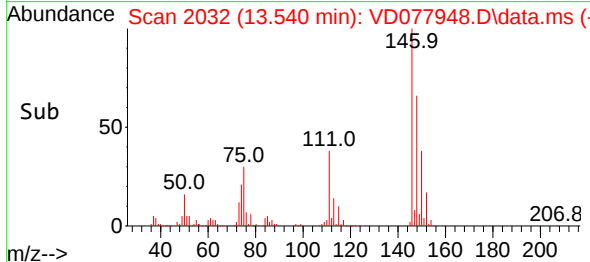
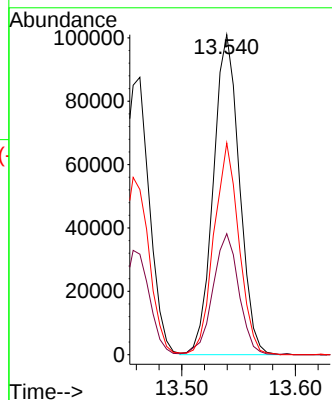
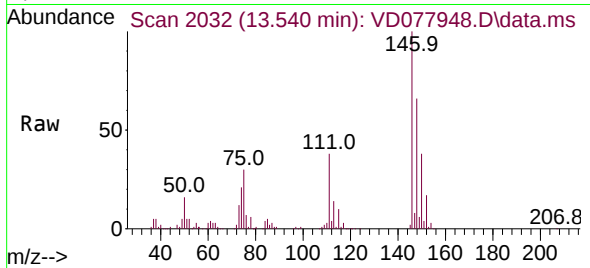




#65
1,4-Dichlorobenzene
Concen: 14.793 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077948.D
Acq: 18 Dec 2023 15:38

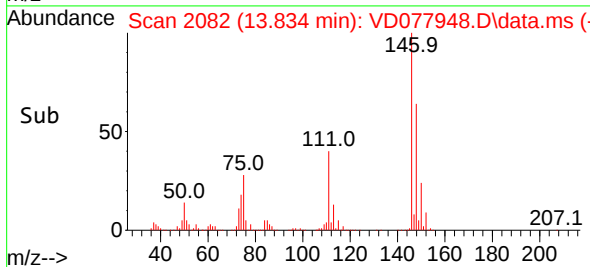
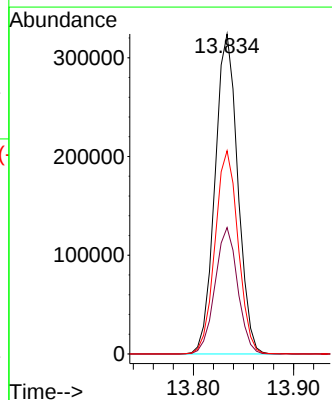
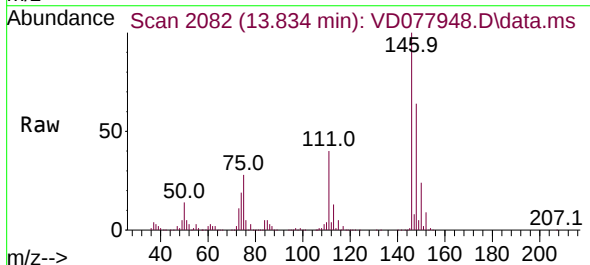
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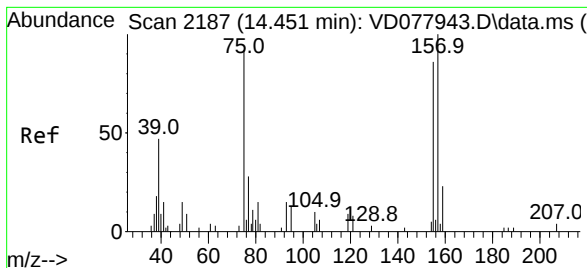
Tgt Ion:146 Resp: 160960
Ion Ratio Lower Upper
146 100
111 37.8 26.4 49.0
148 66.2 44.0 81.8



#67
1,2-Dichlorobenzene
Concen: 54.286 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD077948.D
Acq: 18 Dec 2023 15:38

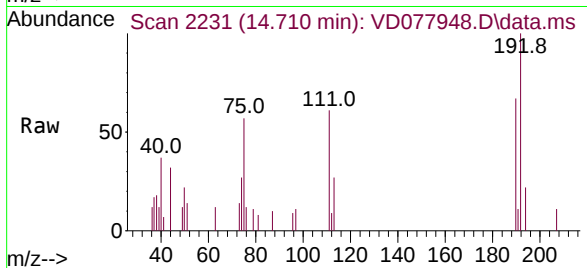
Tgt Ion:146 Resp: 512213
Ion Ratio Lower Upper
146 100
111 39.5 31.4 47.2
148 63.5 50.2 75.2



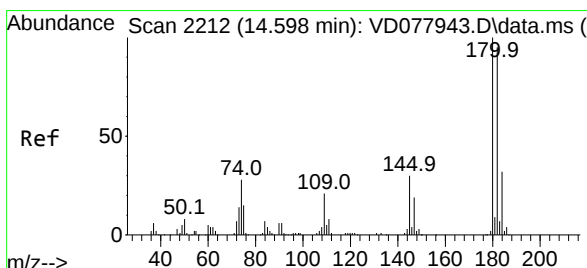
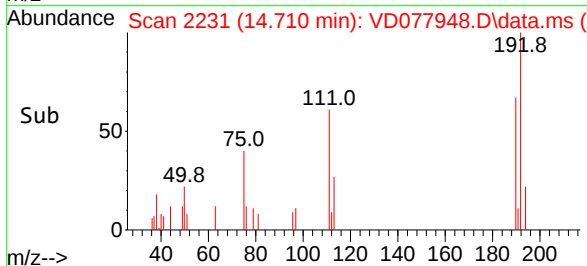
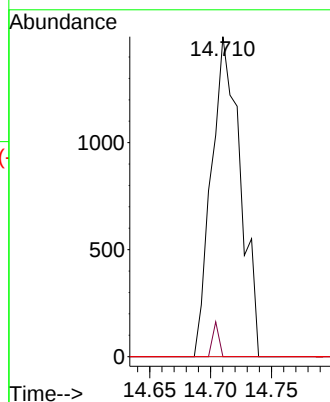


#68
1,2-Dibromo-3-chloropropane
Concen: 3.487 ug/L
RT: 14.710 min Scan# 2187
Delta R.T. 0.259 min
Lab File: VD077948.D
Acq: 18 Dec 2023 15:38

Instrument :
MSVOA_D
ClientSampleId :

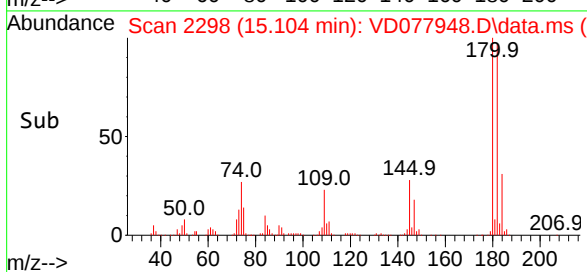
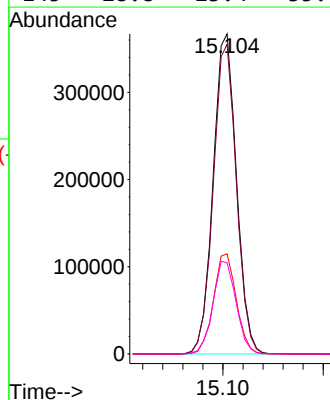
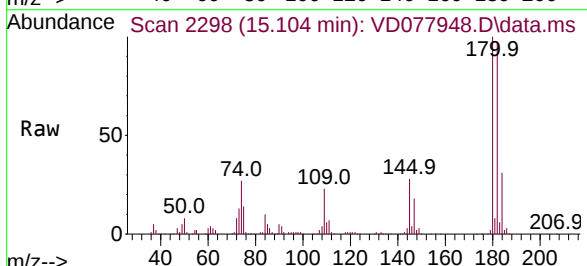


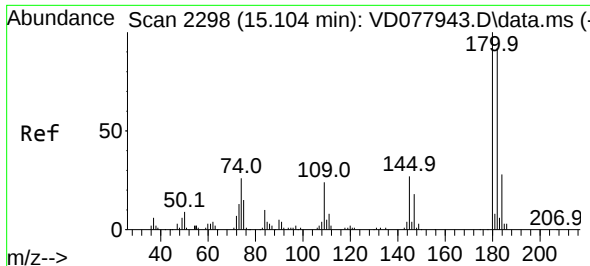
Tgt Ion: 75 Resp: 2457
Ion Ratio Lower Upper
75 100
155 0.0 69.2 103.8#
157 0.0 86.6 130.0#



#69
1,3,5-Trichlorobenzene
Concen: 82.997 ug/L
RT: 15.104 min Scan# 2298
Delta R.T. 0.506 min
Lab File: VD077948.D
Acq: 18 Dec 2023 15:38

Tgt Ion:180 Resp: 592612
Ion Ratio Lower Upper
180 100
182 95.8 77.0 115.4
184 30.6 24.3 36.5
145 28.8 23.4 35.0

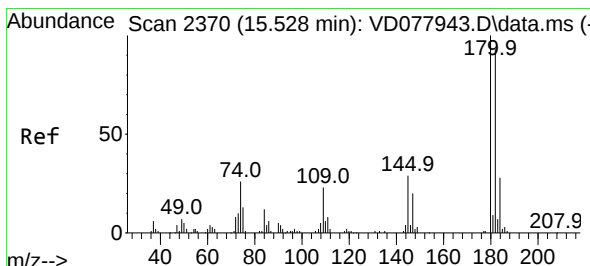
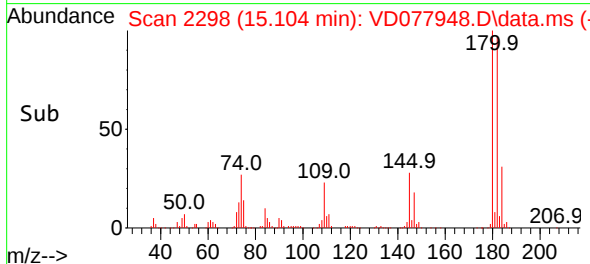
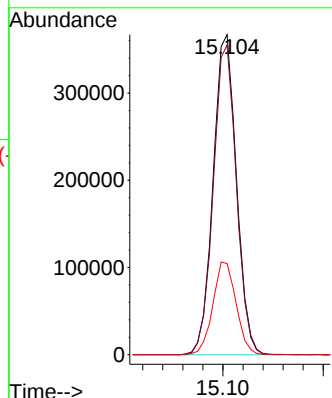
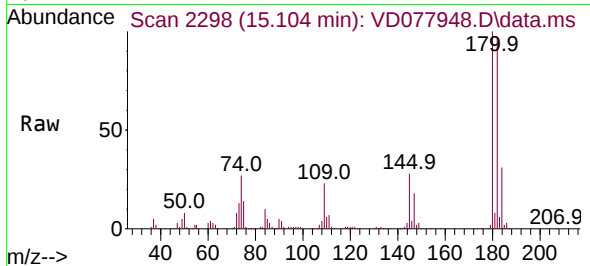




#70
1,2,4-trichlorobenzene
Concen: 97.766 ug/L
RT: 15.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077948.D
Acq: 18 Dec 2023 15:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:180 Resp: 592612
Ion Ratio Lower Upper
180 100
182 95.8 77.0 115.6
145 28.8 23.9 35.9



#72
1,2,3-Trichlorobenzene
Concen: 50.919 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. 0.000 min
Lab File: VD077948.D
Acq: 18 Dec 2023 15:38

Tgt Ion:180 Resp: 270577
Ion Ratio Lower Upper
180 100
182 95.6 77.3 115.9
145 30.0 25.2 37.8

