

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077739.D
 Acq On : 04 Dec 2023 12:46
 Operator : JC/SY
 Sample : 04929-16
 Misc : 5.67G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 00:06:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 05 00:04:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	364164	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	273324	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.528	152	92596	25.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	222940	22.449	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.800%
7) Chloroethane-d5	2.811	69	191994	24.255	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.040%
11) 1,1-Dichloroethene-d2	3.922	65	54922	21.329	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.320%
21) 2-Butanone-d5	6.993	46	64086	51.059	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.120%
24) Chloroform-d	7.575	84	232798	23.719	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.880%
26) 1,2-Dichloroethane-d4	8.234	65	129961	26.134	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.520%
32) Benzene-d6	8.204	84	477537	29.010	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.040%
36) 1,2-Dichloropropane-d6	9.210	67	152111	30.285	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.160%#
41) Toluene-d8	10.269	98	364148	24.033	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.120%
43) trans-1,3-Dichloroprop...	10.528	79	61346	27.620	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.480%
47) 2-Hexanone-d5	10.881	63	55009	63.558	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.120%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	83847	23.102	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	13.822	152	66777	20.159	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.640%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	3.940	96	1507	0.304	ug/L #	1
13) Acetone	4.028	43	11437	7.112	ug/L	100
15) Methyl Acetate	4.569	43	1481	0.643	ug/L #	75
22) 2-Butanone	7.087	43	3330	1.840	ug/L	85
33) Benzene	8.251	78	18069	1.016	ug/L	100
34) Trichloroethene	8.787	95	10347	2.343	ug/L #	5
37) 1,2-Dichloropropane	9.216	63	15975	3.444	ug/L #	87
39) cis-1,3-Dichloropropene	9.987	75	2694	0.372	ug/L #	75
44) trans-1,3-Dichloropropene	10.528	75	3095	0.512	ug/L	93
51) Chlorobenzene	11.610	112	2699605	230.404	ug/L	95
61) 1,2,3-Trichloropropane	13.463	75	1112758	653.325	ug/L #	48
64) 1,3-Dichlorobenzene	13.463	146	4221156	706.222	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	8524003	1374.349	ug/L	95
67) 1,2-Dichlorobenzene	13.833	146	3818230	709.916	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.439	75	2405	5.988	ug/L #	1
69) 1,3,5-Trichlorobenzene	14.598	180	20239	4.973	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	2330175	674.401	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	43316	14.301	ug/L	99

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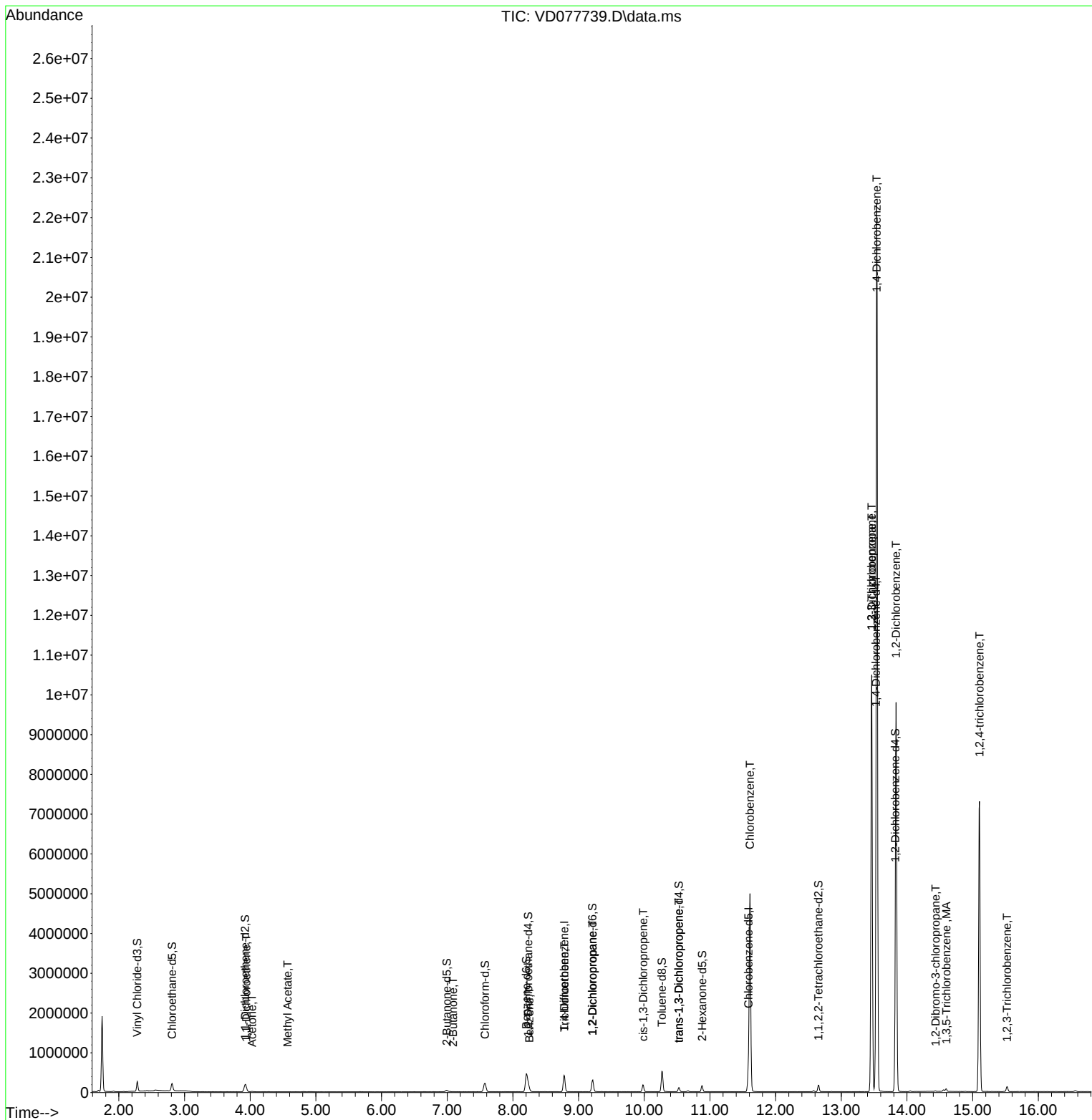
Instrument :
MSVOA_D
ClientSampleId :

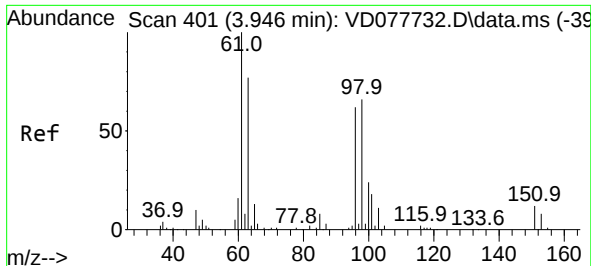
Quant Time: Dec 05 00:06:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Dec 05 00:04:05 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Dec 05 00:06:10 2023
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.304 ug/L

RT: 3.940 min Scan# 401

Delta R.T. -0.006 min

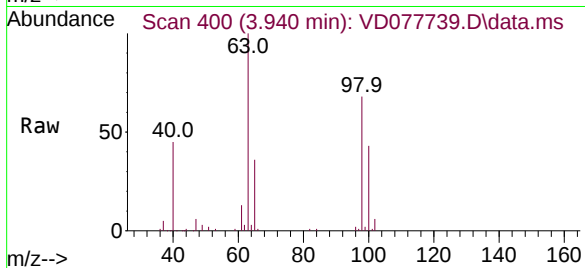
Lab File: VD077739.D

Acq: 04 Dec 2023 12:46

Instrument :

MSVOA_D

ClientSampleId :



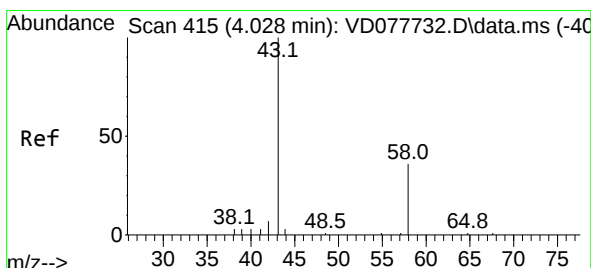
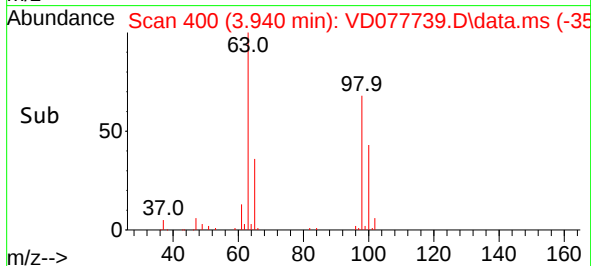
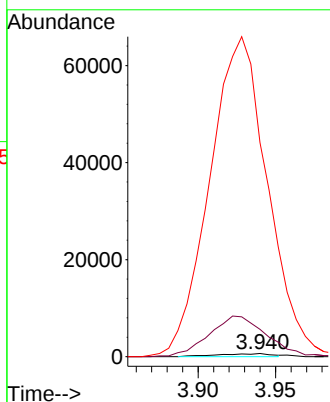
Tgt Ion: 96 Resp: 1507

Ion Ratio Lower Upper

96 100

61 847.1 108.6 201.6#

63 6648.2 60.3 111.9#



#13

Acetone

Concen: 7.112 ug/L

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

Lab File: VD077739.D

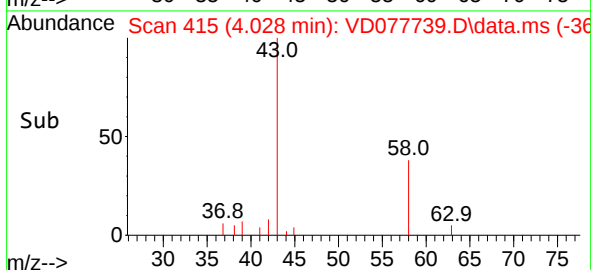
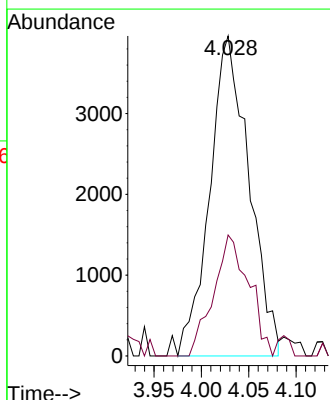
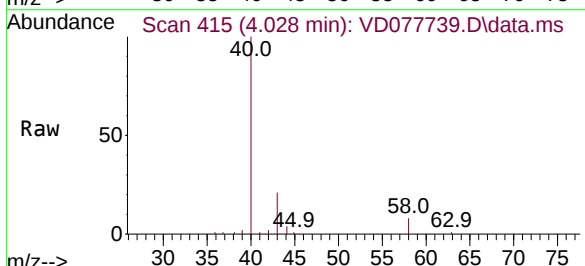
Acq: 04 Dec 2023 12:46

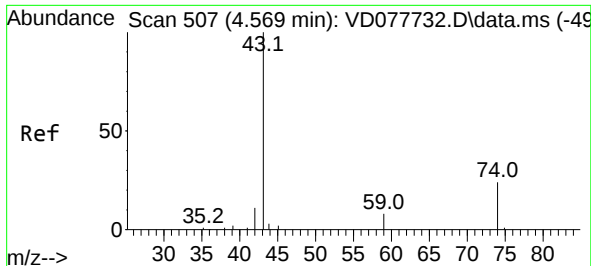
Tgt Ion: 43 Resp: 11437

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.2

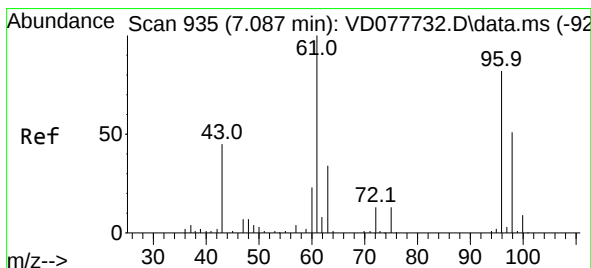
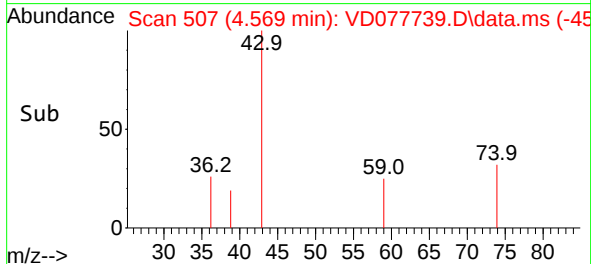
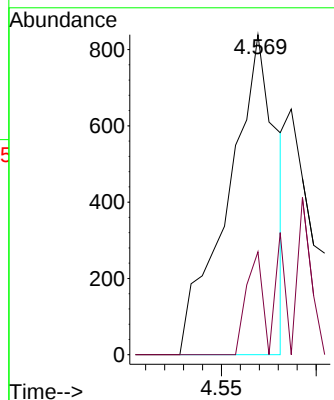
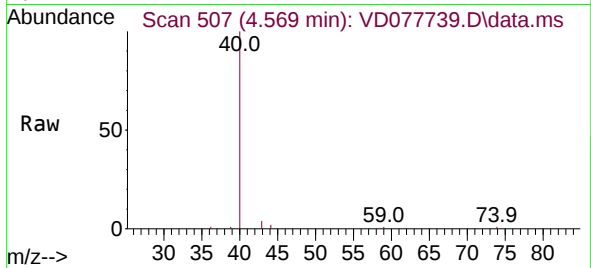




#15
Methyl Acetate
Concen: 0.643 ug/L
RT: 4.569 min Scan# 507
Delta R.T. 0.000 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

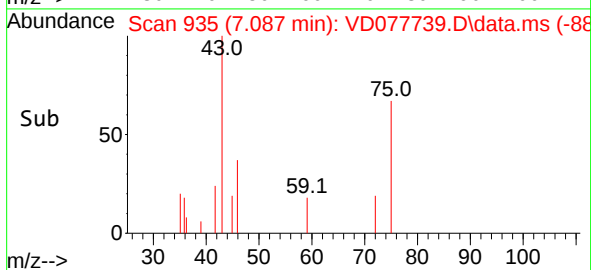
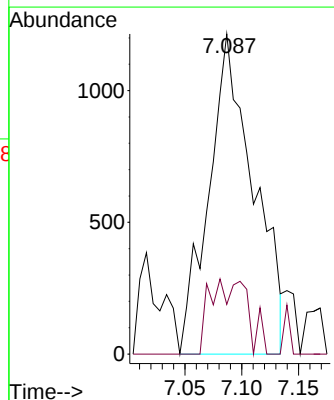
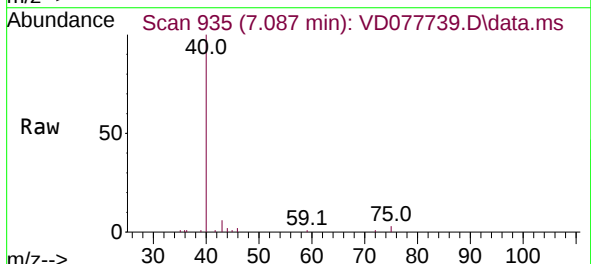
Instrument :
MSVOA_D
ClientSampleId :

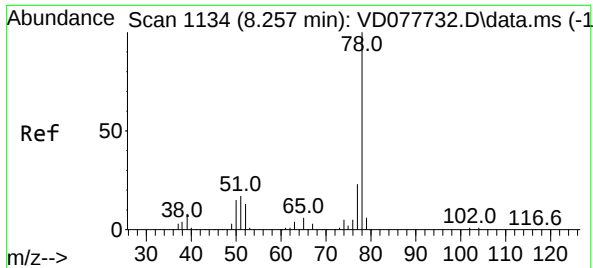
Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
74 10.8 18.6 27.8#



#22
2-Butanone
Concen: 1.840 ug/L
RT: 7.087 min Scan# 935
Delta R.T. 0.000 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Tgt Ion: 43 Resp: 3330
Ion Ratio Lower Upper
43 100
72 8.3 7.2 21.6

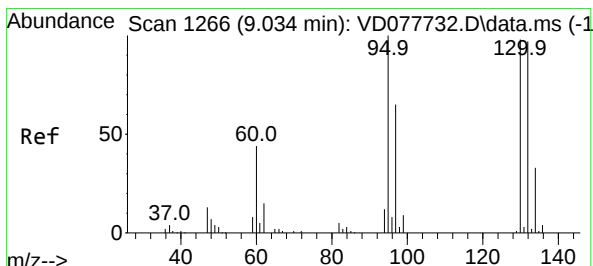
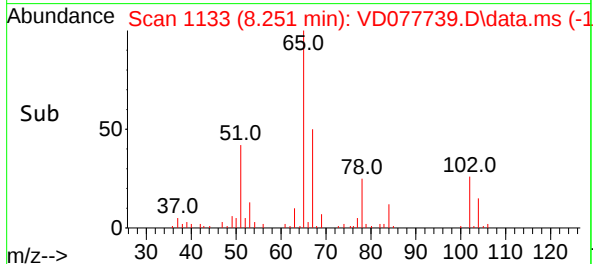
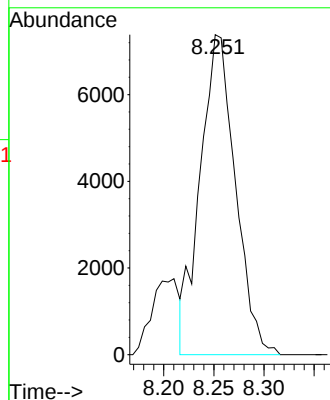
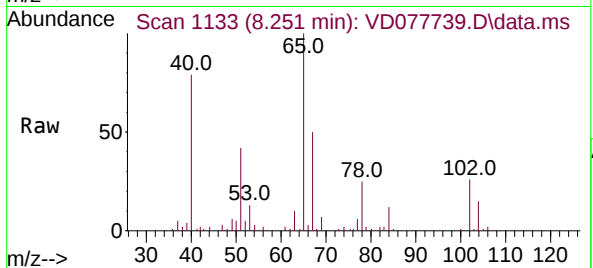




#33
Benzene
Concen: 1.016 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

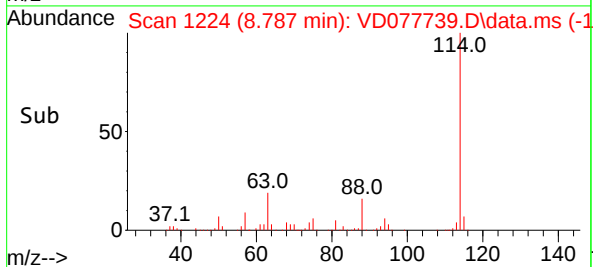
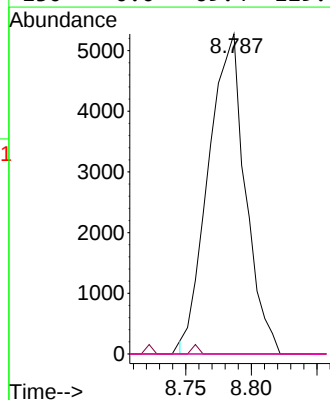
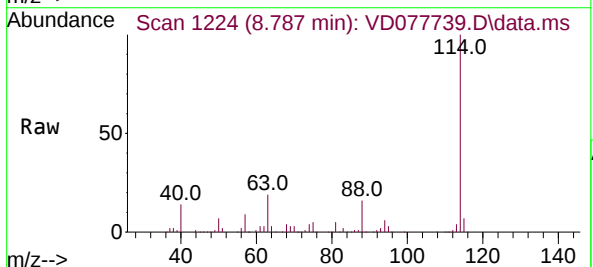
Instrument :
MSVOA_D
ClientSampleId :

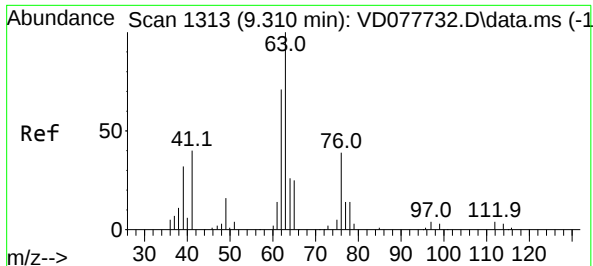
Tgt Ion: 78 Resp: 18069



#34
Trichloroethene
Concen: 2.343 ug/L
RT: 8.787 min Scan# 1224
Delta R.T. -0.247 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Tgt Ion: 95 Resp: 10347
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#

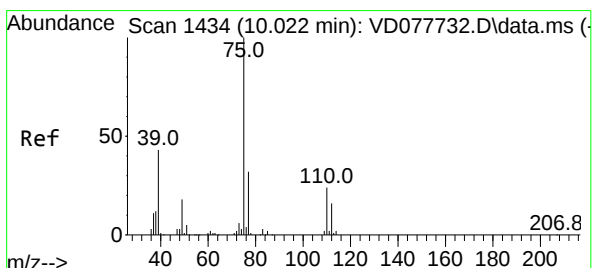
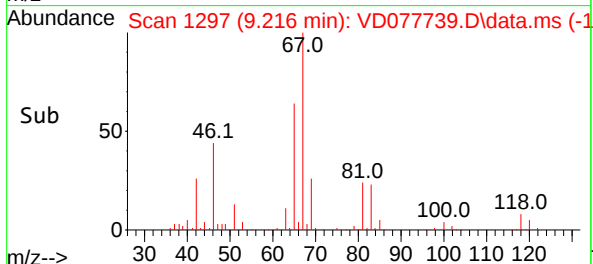
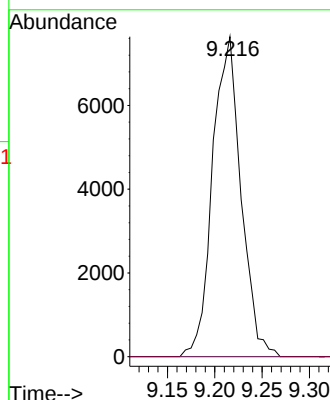
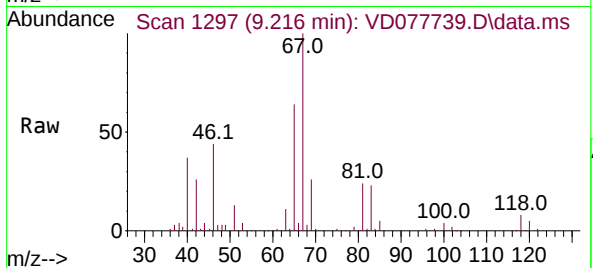




#37
1,2-Dichloropropane
Concen: 3.444 ug/L
RT: 9.216 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

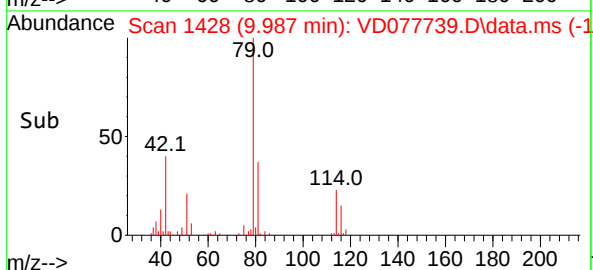
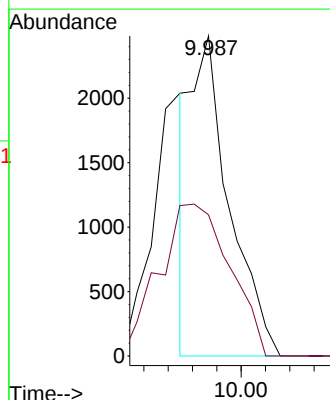
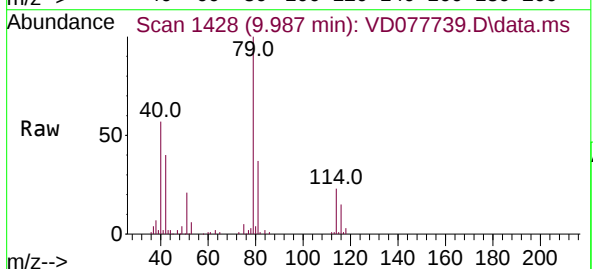
Instrument :
MSVOA_D
ClientSampleId :

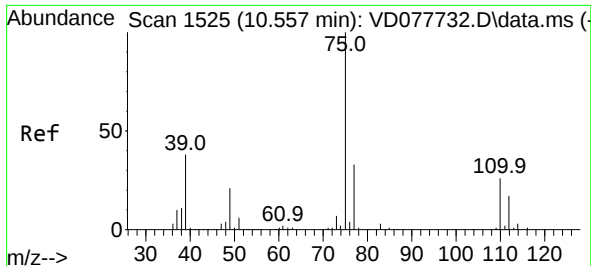
Tgt Ion: 63 Resp: 15975
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



#39
cis-1,3-Dichloropropene
Concen: 0.372 ug/L
RT: 9.987 min Scan# 1428
Delta R.T. -0.035 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Tgt Ion: 75 Resp: 2694
Ion Ratio Lower Upper
75 100
77 44.1 21.2 39.4#

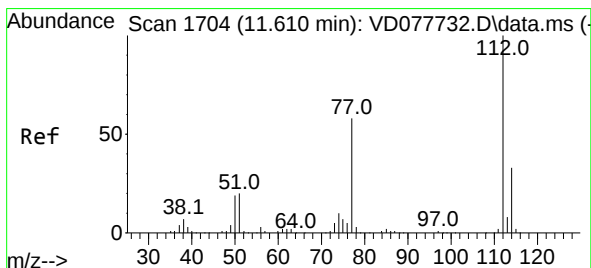
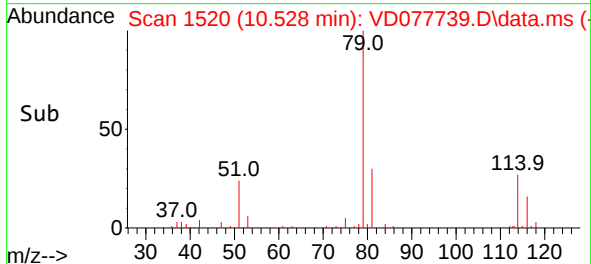
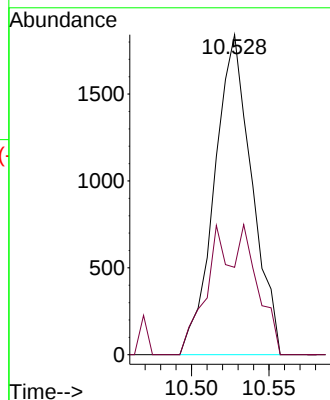
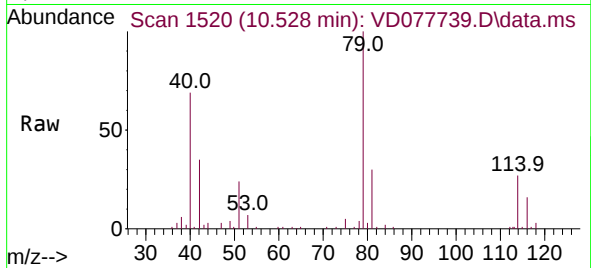




#44
trans-1,3-Dichloropropene
Concen: 0.512 ug/L
RT: 10.528 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

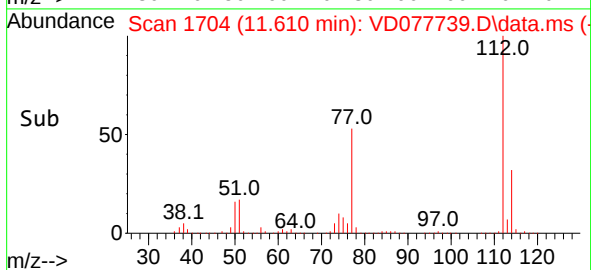
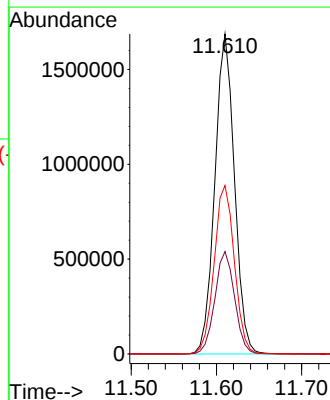
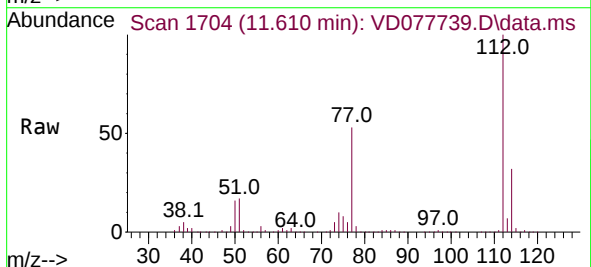
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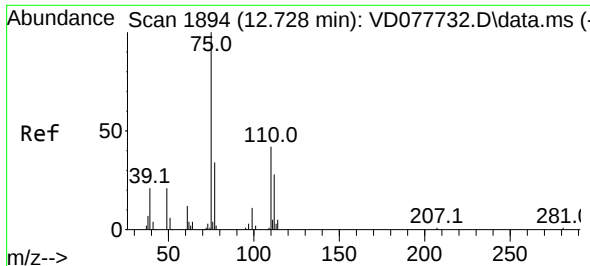
Tgt Ion: 75 Resp: 3095
Ion Ratio Lower Upper
75 100
77 27.3 22.0 40.8



#51
Chlorobenzene
Concen: 230.404 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Tgt Ion: 112 Resp: 2699605
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 52.6 46.4 69.6

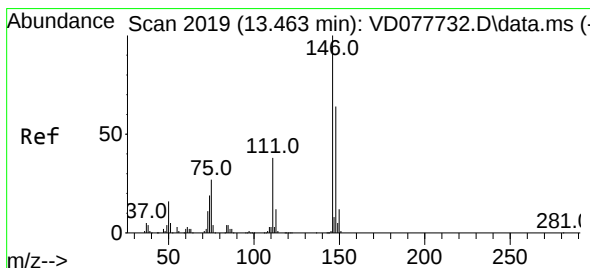
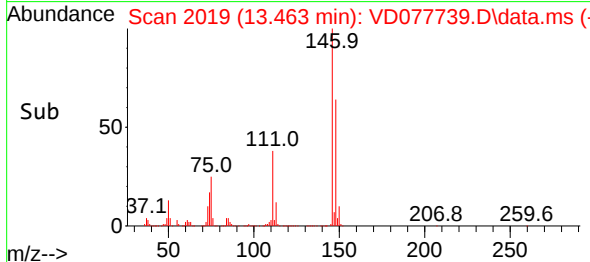
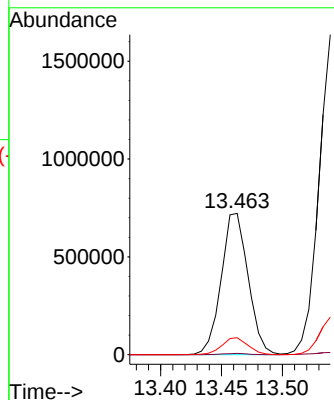
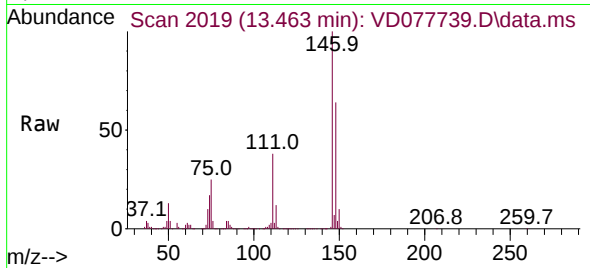




#61
1,2,3-Trichloropropane
Concen: 653.325 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.735 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

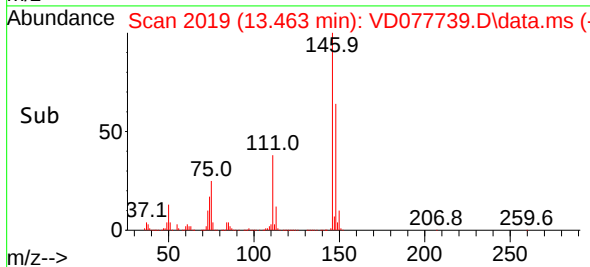
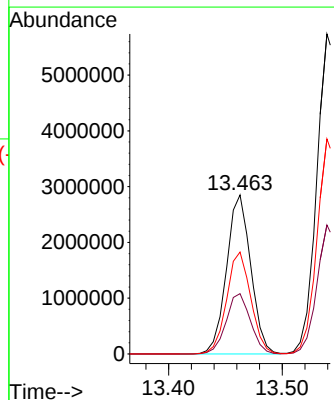
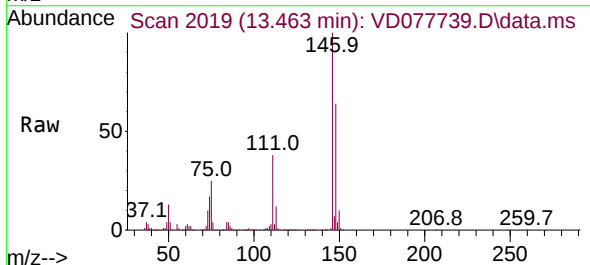
Instrument :
MSVOA_D
ClientSampleId :

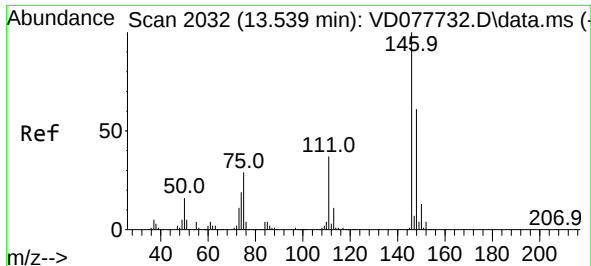
Tgt Ion: 75 Resp: 1112758
Ion Ratio Lower Upper
75 100
77 0.8 26.8 40.2#
110 11.7 33.4 50.2#



#64
1,3-Dichlorobenzene
Concen: 706.222 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Tgt Ion:146 Resp: 4221156
Ion Ratio Lower Upper
146 100
111 37.9 26.6 49.4
148 64.1 44.0 81.6

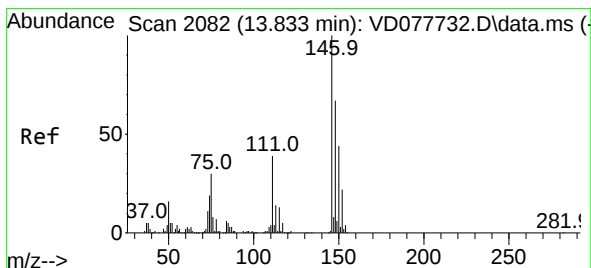
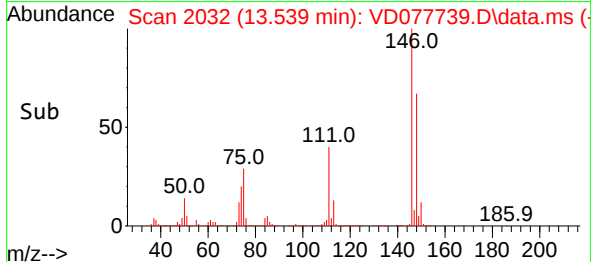
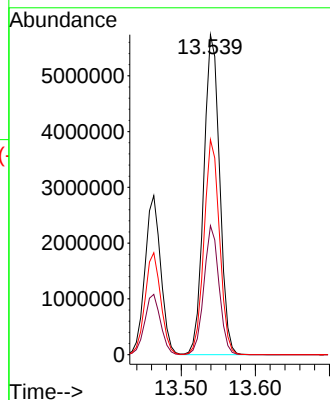
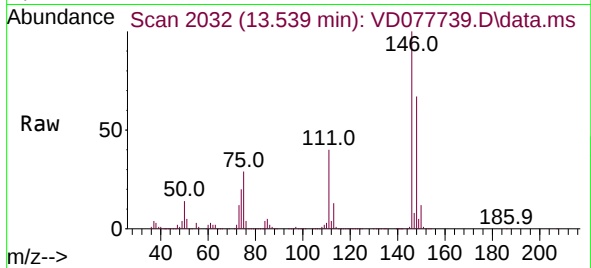




#65
1,4-Dichlorobenzene
Concen: 1374.349 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

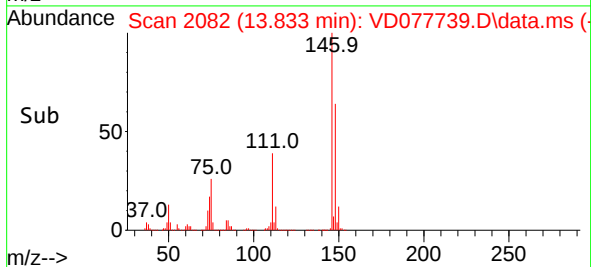
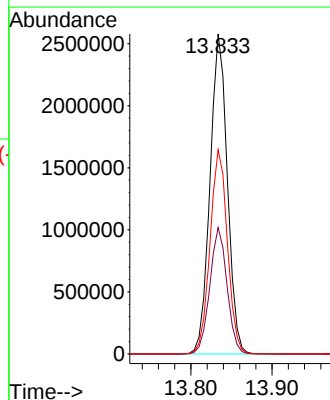
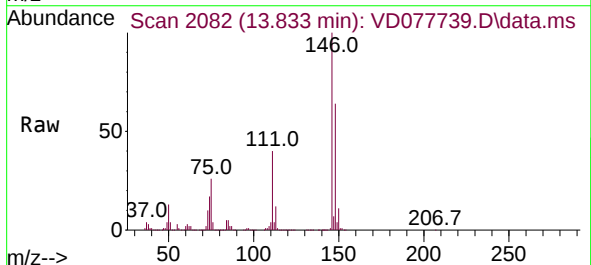
Instrument :
MSVOA_D
ClientSampleId :

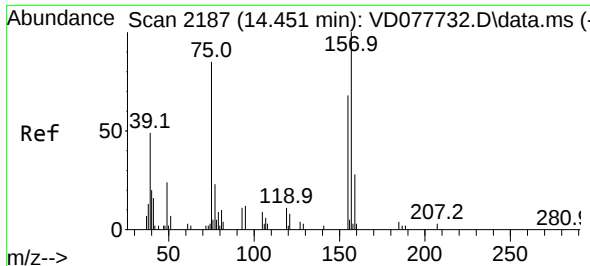
Tgt Ion:146 Resp: 8524003
Ion Ratio Lower Upper
146 100
111 40.3 26.4 49.0
148 67.2 44.0 81.8



#67
1,2-Dichlorobenzene
Concen: 709.916 ug/L
RT: 13.833 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Tgt Ion:146 Resp: 3818230
Ion Ratio Lower Upper
146 100
111 39.5 31.4 47.2
148 63.9 50.2 75.2

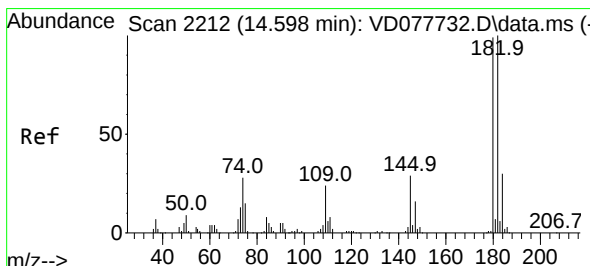
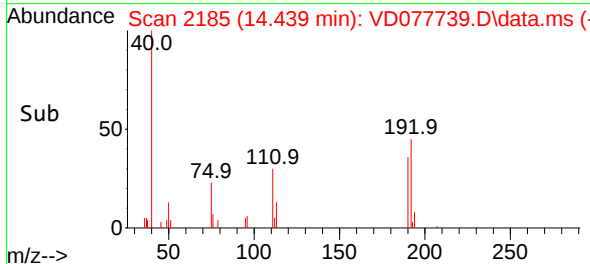
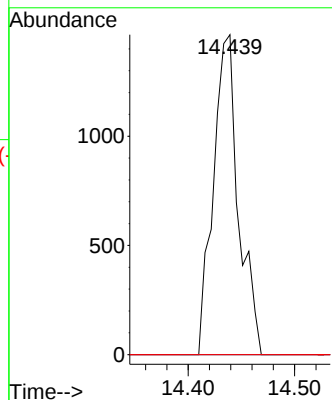
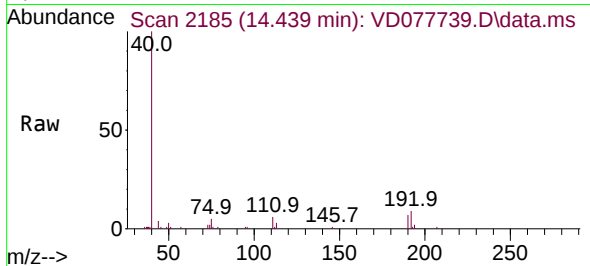




#68
1,2-Dibromo-3-chloropropane
Concen: 5.988 ug/L
RT: 14.439 min Scan# 2185
Delta R.T. -0.012 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

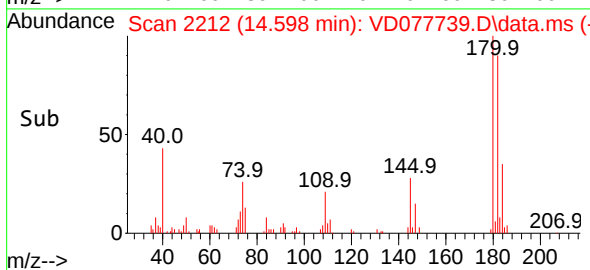
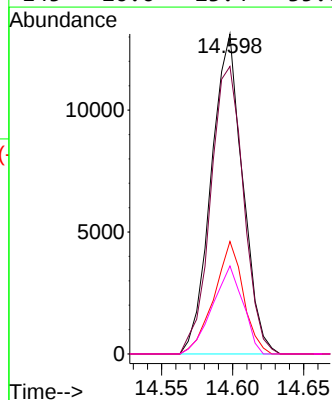
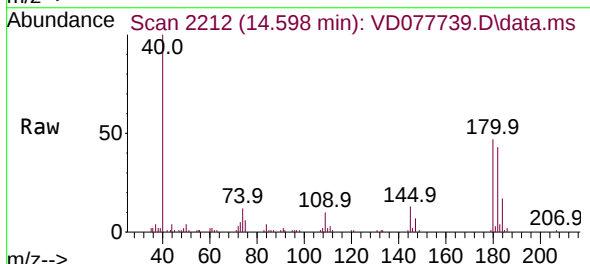
Instrument :
MSVOA_D
ClientSampleId :

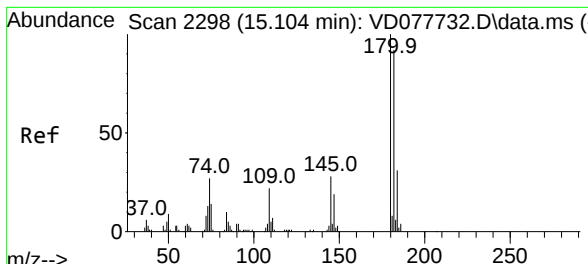
Tgt Ion: 75 Resp: 2405
Ion Ratio Lower Upper
75 100
155 0.0 69.2 103.8#
157 0.0 86.6 130.0#



#69
1,3,5-Trichlorobenzene
Concen: 4.973 ug/L
RT: 14.598 min Scan# 2212
Delta R.T. 0.000 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Tgt Ion:180 Resp: 20239
Ion Ratio Lower Upper
180 100
182 93.7 77.0 115.4
184 32.7 24.3 36.5
145 26.6 23.4 35.0

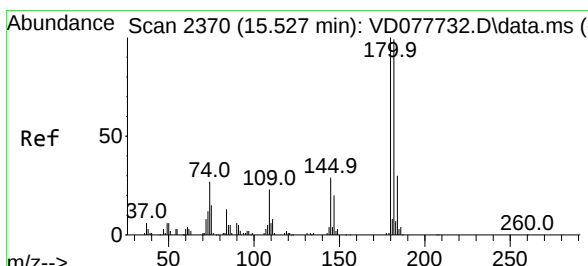
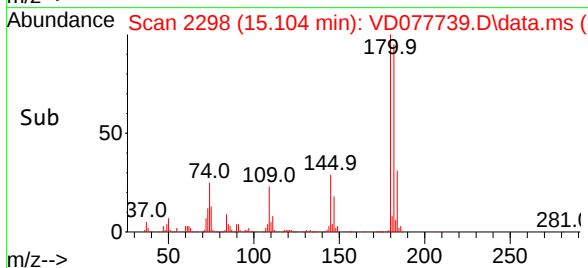
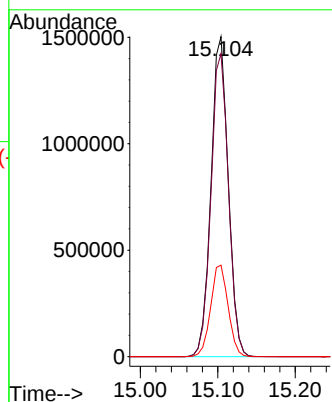
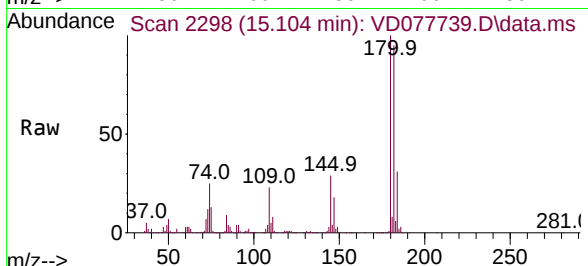




#70
1,2,4-trichlorobenzene
Concen: 674.401 ug/L
RT: 15.104 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:180 Resp: 2330175
Ion Ratio Lower Upper
180 100
182 95.6 77.0 115.6
145 28.9 23.9 35.9



#72
1,2,3-Trichlorobenzene
Concen: 14.301 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD077739.D
Acq: 04 Dec 2023 12:46

Tgt Ion:180 Resp: 43316
Ion Ratio Lower Upper
180 100
182 96.8 77.3 115.9
145 29.3 25.2 37.8

