

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120723\
 Data File : VD077774.D
 Acq On : 07 Dec 2023 12:21
 Operator : JC/SY
 Sample : 05646-04RE
 Misc : 3.12G/10ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 00:33:21 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)

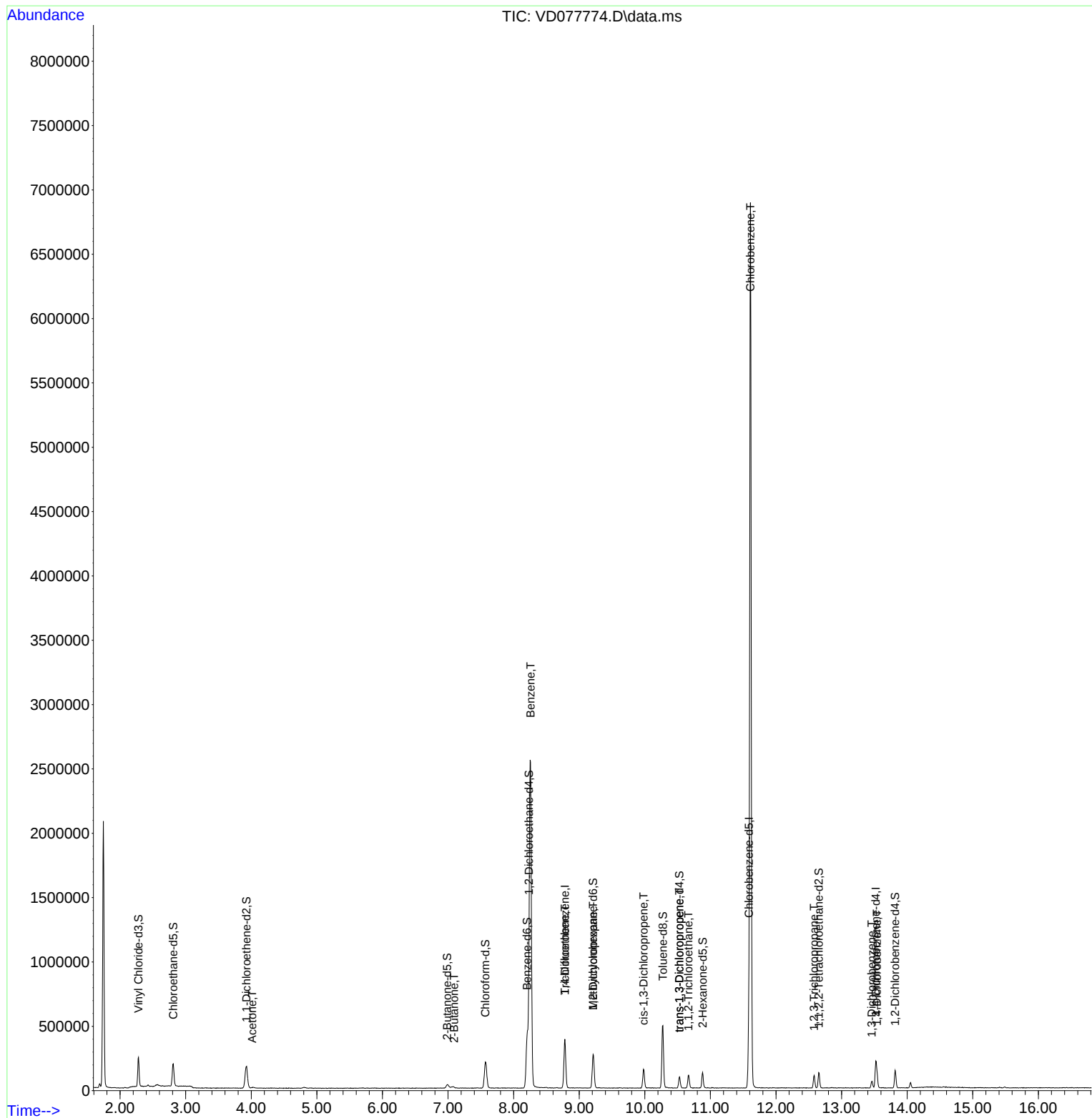
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	329296	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	239407	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	49762	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	214765	23.916	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.680%
7) Chloroethane-d5	2.811	69	183979	25.704	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	3.928	65	50692	21.771	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.080%
21) 2-Butanone-d5	6.987	46	47794	42.111	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.220%
24) Chloroform-d	7.569	84	218452	24.614	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.440%
26) 1,2-Dichloroethane-d4	8.234	65	118402	26.331	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.320%
32) Benzene-d6	8.205	84	440289	30.536	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	122.160%
36) 1,2-Dichloropropane-d6	9.210	67	133898	30.436	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.760%#
41) Toluene-d8	10.275	98	346092	26.078	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.320%
43) trans-1,3-Dichloroprop...	10.528	79	51157	26.296	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.200%
47) 2-Hexanone-d5	10.881	63	42145	55.594	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.180%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	60345	18.982	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.920%
66) 1,2-Dichlorobenzene-d4	13.816	152	35481	19.931	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.720%
Target Compounds						Qvalue
13) Acetone	4.017	43	4342	2.986	ug/L #	34
22) 2-Butanone	7.093	43	3748	2.290	ug/L	95
33) Benzene	8.258	78	2666434	171.116	ug/L	100
34) Trichloroethene	8.781	95	9548	2.468	ug/L #	5
35) Methylcyclohexane	9.210	83	30494	4.441	ug/L #	19
39) cis-1,3-Dichloropropene	9.981	75	4180	0.659	ug/L #	66
44) trans-1,3-Dichloropropene	10.528	75	2776	0.524	ug/L	86
45) 1,1,2-Trichloroethane	10.663	97	1867	0.684	ug/L #	14
51) Chlorobenzene	11.610	112	3733204	363.759	ug/L	96
61) 1,2,3-Trichloropropane	12.581	75	1026	1.121	ug/L #	76
64) 1,3-Dichlorobenzene	13.457	146	21852	6.803	ug/L	100
65) 1,4-Dichlorobenzene	13.540	146	37858	11.358	ug/L	98

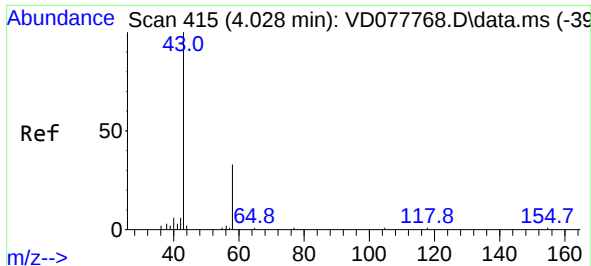
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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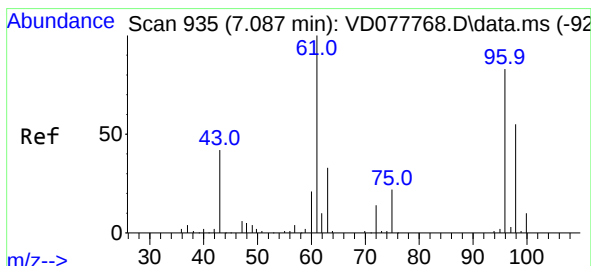
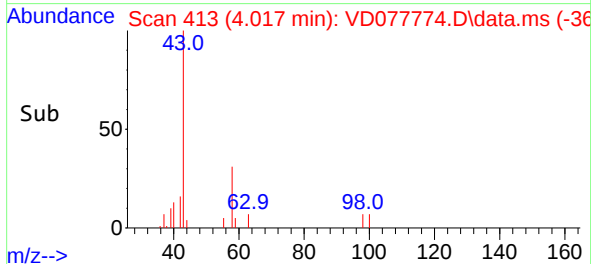
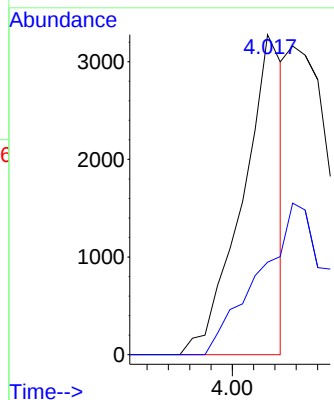
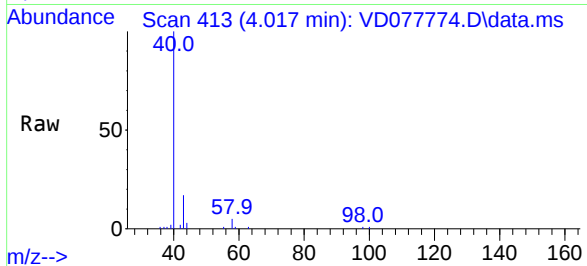




#13
Acetone
Concen: 2.986 ug/L
RT: 4.017 min Scan# 415
Delta R.T. -0.012 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21

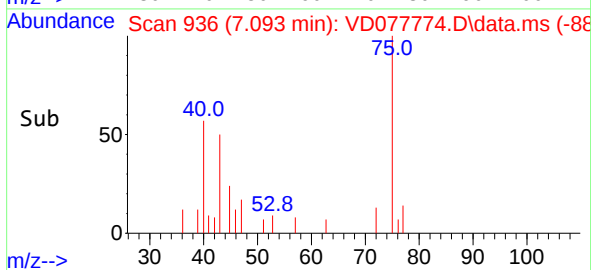
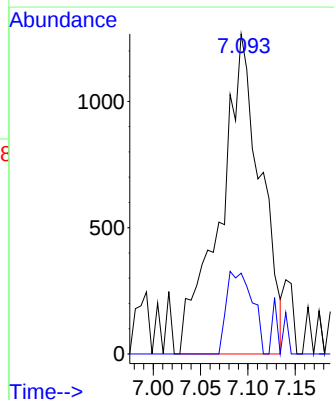
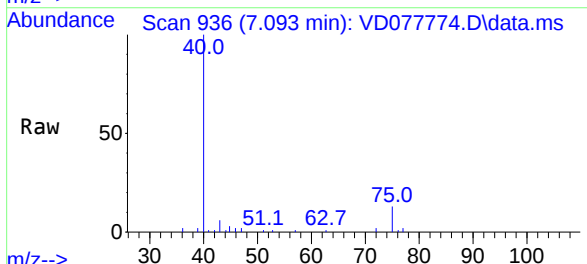
Instrument :
MSVOA_D
ClientSampleId :

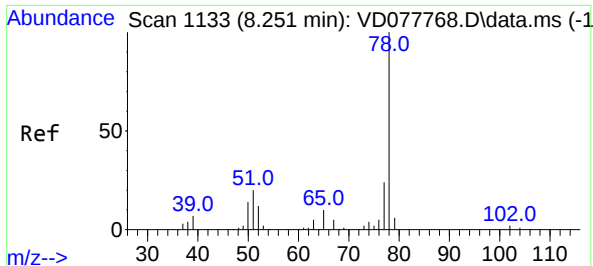
Tgt Ion: 43 Resp: 4342
Ion Ratio Lower Upper
43 100
58 71.2 0.0 67.2#



#22
2-Butanone
Concen: 2.290 ug/L
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21

Tgt Ion: 43 Resp: 3748
Ion Ratio Lower Upper
43 100
72 16.6 7.2 21.6

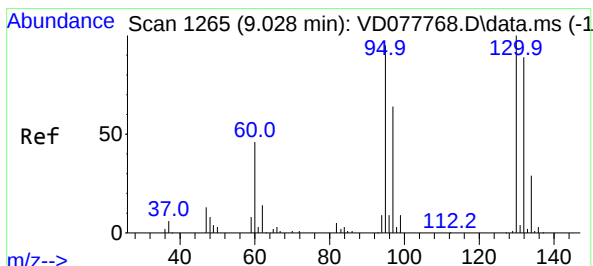
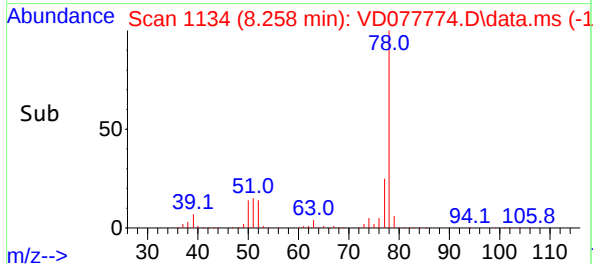
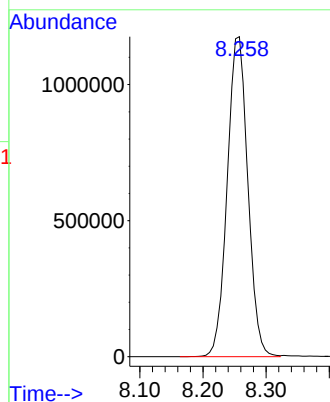
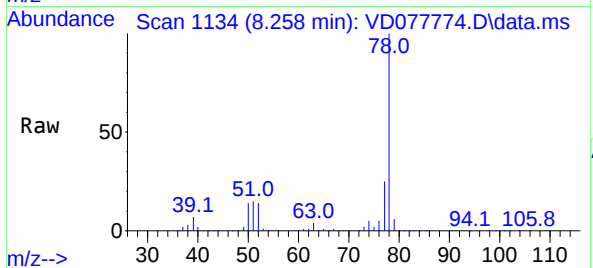




#33
Benzene
Concen: 171.116 ug/L
RT: 8.258 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21

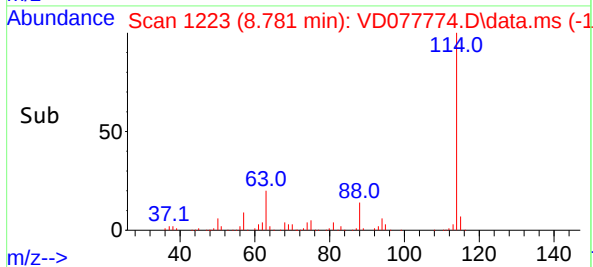
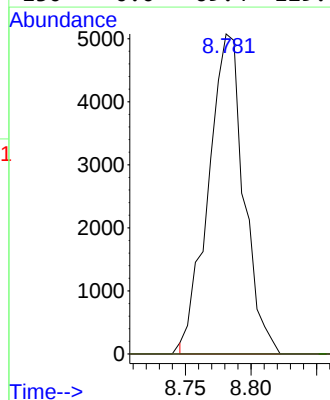
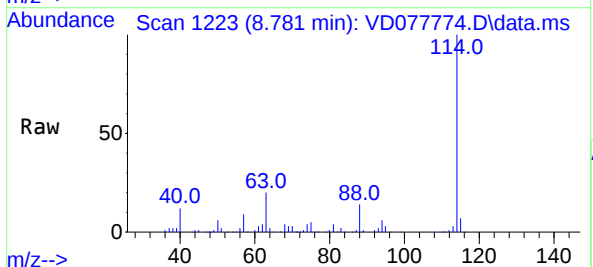
Instrument :
MSVOA_D
ClientSampleId :

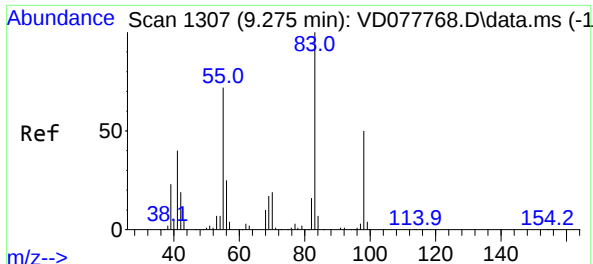
Tgt Ion: 78 Resp: 2666434



#34
Trichloroethene
Concen: 2.468 ug/L
RT: 8.781 min Scan# 1223
Delta R.T. -0.253 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21

Tgt Ion: 95 Resp: 9548
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: 4.441 ug/L

RT: 9.210 min Scan# 11

Delta R.T. -0.065 min

Lab File: VD077774.D

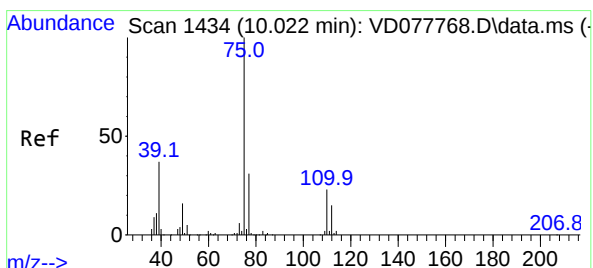
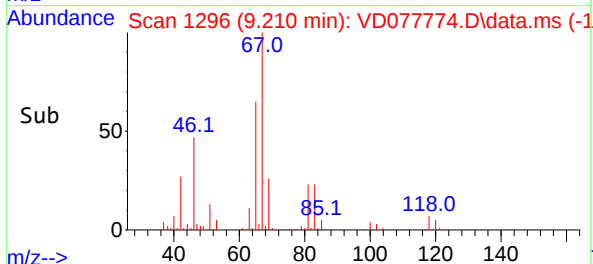
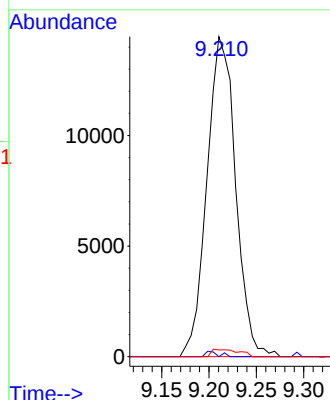
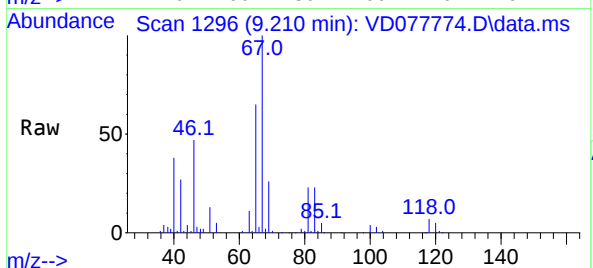
Acq: 07 Dec 2023 12:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 83	Resp: 30494
Ion Ratio	Lower Upper
83 100	
55 0.2	59.8 89.6#
98 0.7	38.5 57.7#



#39

cis-1,3-Dichloropropene

Concen: 0.659 ug/L

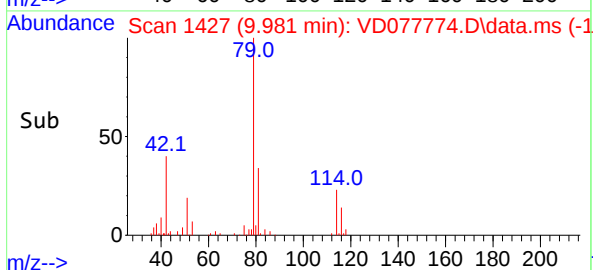
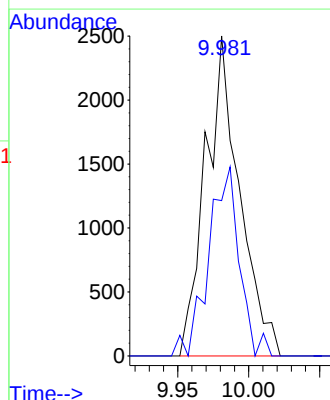
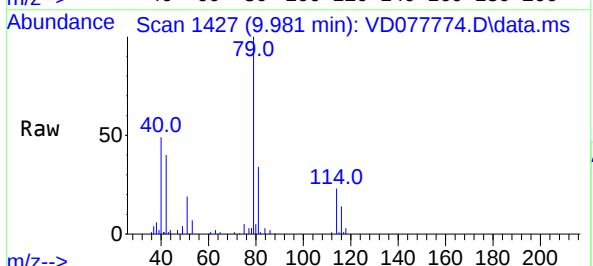
RT: 9.981 min Scan# 1427

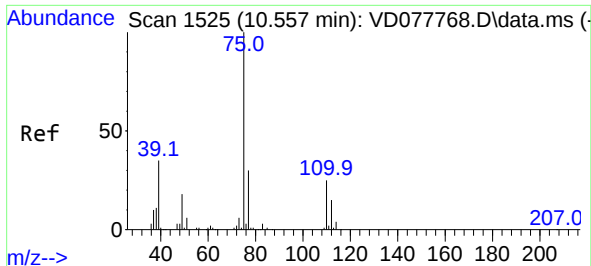
Delta R.T. -0.041 min

Lab File: VD077774.D

Acq: 07 Dec 2023 12:21

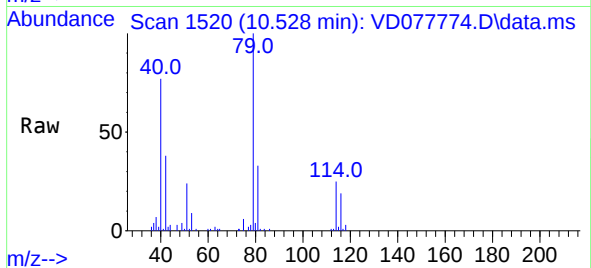
Tgt Ion: 75	Resp: 4180
Ion Ratio	Lower Upper
75 100	
77 48.5	21.2 39.4#



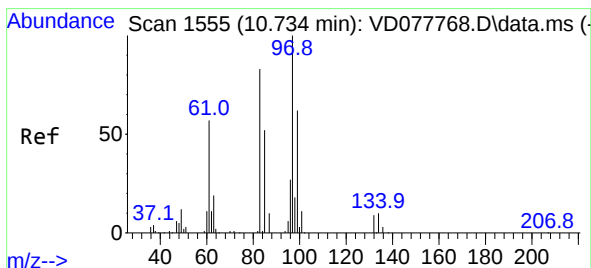
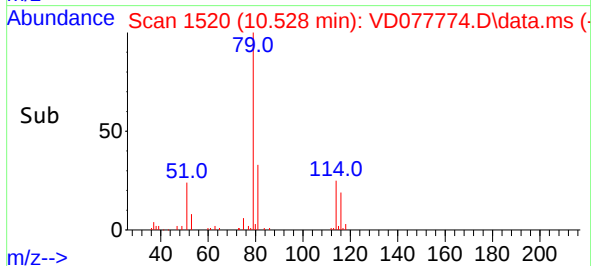
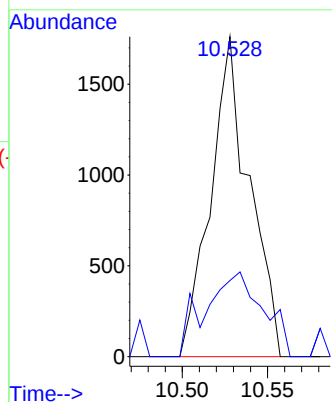


#44
trans-1,3-Dichloropropene
Concen: 0.524 ug/L
RT: 10.528 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21

Instrument :
MSVOA_D
ClientSampleId :

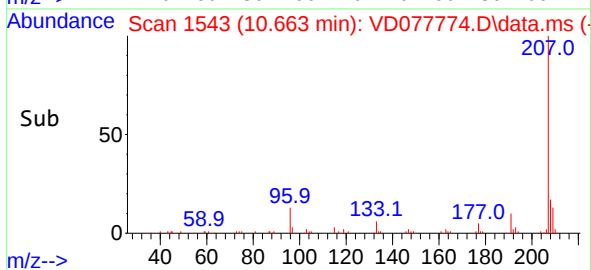
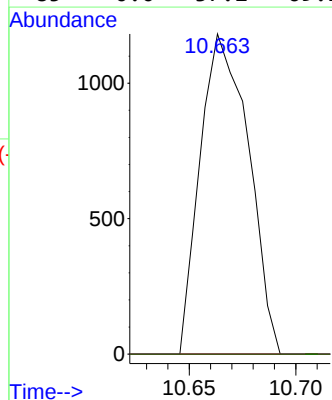
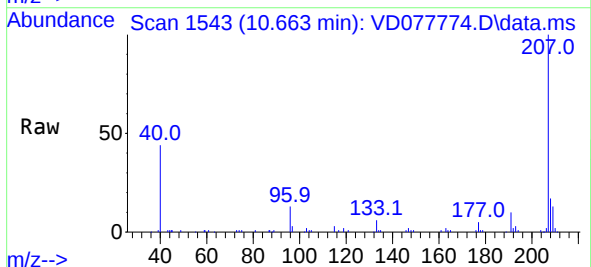


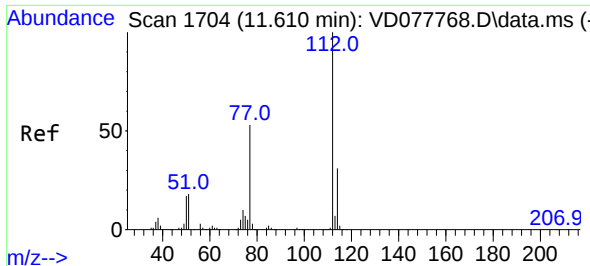
Tgt Ion: 75 Resp: 2776
Ion Ratio Lower Upper
75 100
77 23.8 22.0 40.8



#45
1,1,2-Trichloroethane
Concen: 0.684 ug/L
RT: 10.663 min Scan# 1543
Delta R.T. -0.071 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21

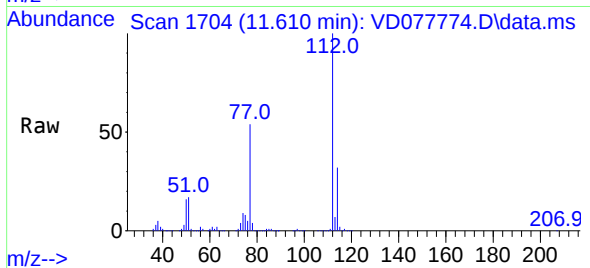
Tgt Ion: 97 Resp: 1867
Ion Ratio Lower Upper
97 100
99 0.0 41.7 77.5#
83 0.0 63.6 118.2#
85 0.0 37.2 69.2#



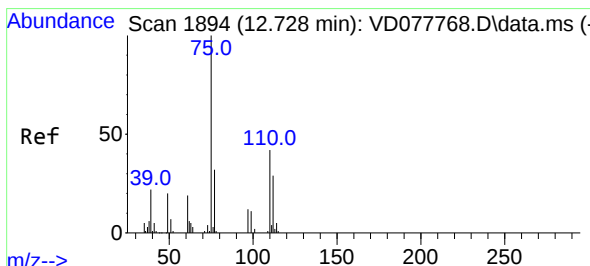
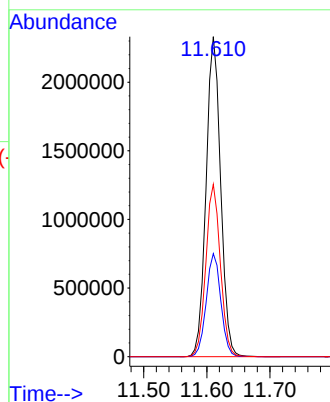
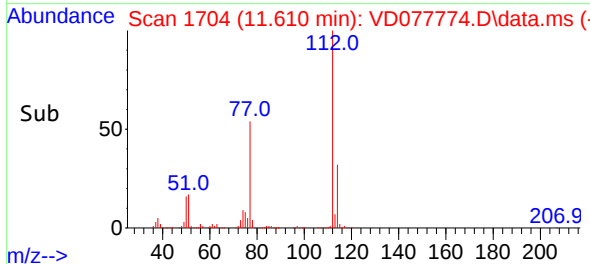


#51
Chlorobenzene
Concen: 363.759 ug/L
RT: 11.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21

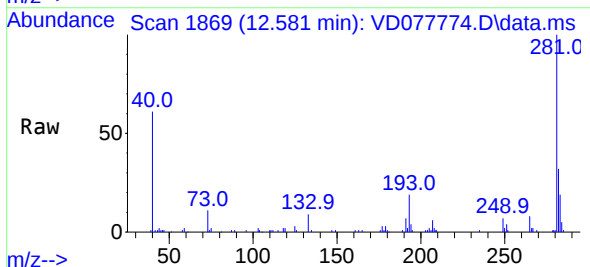
Instrument :
MSVOA_D
ClientSampleId :



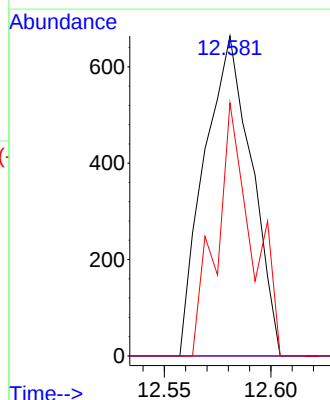
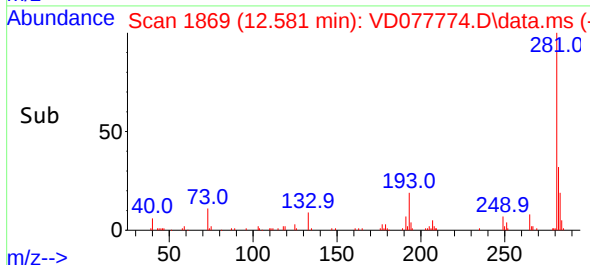
Tgt Ion:112 Resp: 3733204
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 53.8 46.4 69.6

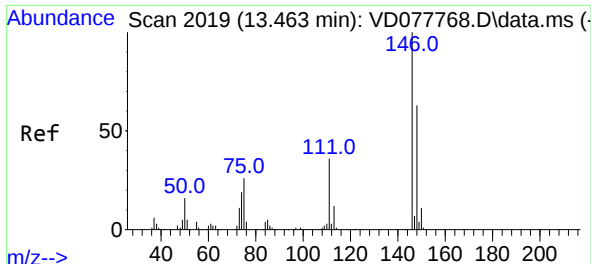


#61
1,2,3-Trichloropropane
Concen: 1.121 ug/L
RT: 12.581 min Scan# 1869
Delta R.T. -0.147 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21



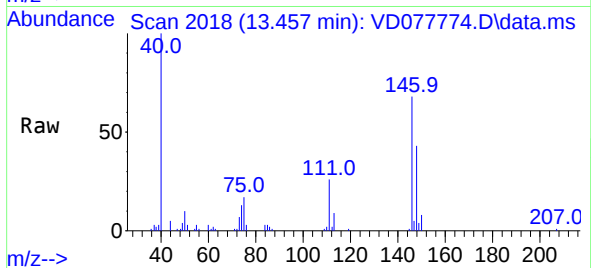
Tgt Ion: 75 Resp: 1026
Ion Ratio Lower Upper
75 100
77 11.1 26.8 40.2#
110 49.4 33.4 50.2



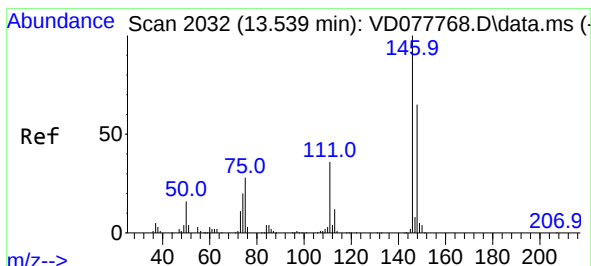
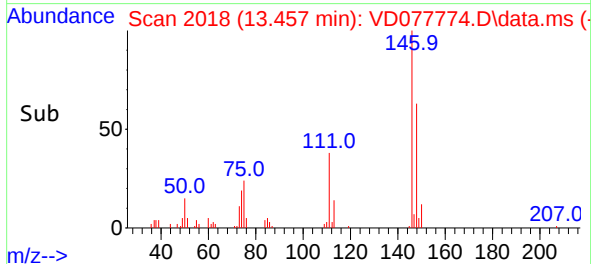
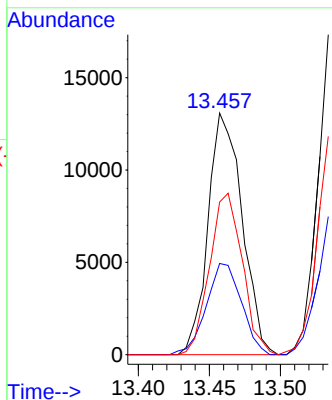


#64
1,3-Dichlorobenzene
Concen: 6.803 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD077774.D
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Tgt Ion:146 Resp: 21852
Ion Ratio Lower Upper
146 100
111 37.7 26.6 49.4
148 63.2 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 11.358 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077774.D
Acq: 07 Dec 2023 12:21

Tgt Ion:146 Resp: 37858
Ion Ratio Lower Upper
146 100
111 35.9 26.4 49.0
148 63.5 44.0 81.8

