

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112223\
 Data File : VD077678.D
 Acq On : 22 Nov 2023 19:04
 Operator : JC/SY
 Sample : 05438-08MSD
 Misc : 5.07G/10ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EY1G7MSD

Quant Time: Nov 23 00:33:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Nov 22 01:40:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	215451	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.580	117	204709	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	109102	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	180758	32.980	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 131.920%	
7) Chloroethane-d5	2.804	69	151783	35.253	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 141.000%	
11) 1,1-Dichloroethene-d2	3.916	65	50369	29.721	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	= 118.880%#	
21) 2-Butanone-d5	6.987	46	58029	61.153	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 122.300%	
24) Chloroform-d	7.569	84	201359	32.353	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 129.400%	
26) 1,2-Dichloroethane-d4	8.228	65	111688	33.737	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 134.960%#	
32) Benzene-d6	8.204	84	414546	31.201	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 124.800%	
36) 1,2-Dichloropropane-d6	9.210	67	129787	29.990	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 119.960%	
41) Toluene-d8	10.269	98	378708	31.543	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 126.160%	
43) trans-1,3-Dichloroprop...	10.528	79	56339	30.193	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 120.760%	
47) 2-Hexanone-d5	10.875	63	49554	64.008	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 128.020%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	97713	34.078	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 136.320%#	
66) 1,2-Dichlorobenzene-d4	13.816	152	119821	30.871	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 123.480%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	71620	20.641	ug/L	100
3) Chloromethane	2.151	50	109702	21.976	ug/L	95
5) Vinyl chloride	2.287	62	132258	23.473	ug/L	99
6) Bromomethane	2.699	94	73383	24.463	ug/L	94
8) Chloroethane	2.840	64	87990	25.120	ug/L	89
9) Trichlorofluoromethane	3.175	101	124605	24.301	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	77002	24.403	ug/L	99
12) 1,1-Dichloroethene	3.940	96	71009	23.176	ug/L #	77
13) Acetone	4.028	43	48141	48.265	ug/L	100
14) Carbon disulfide	4.269	76	199581	18.091	ug/L	100
15) Methyl Acetate	4.569	43	41110	25.053	ug/L	97
16) Methylene chloride	4.804	84	97670	26.850	ug/L	98
17) trans-1,2-Dichloroethene	5.310	96	72378	22.457	ug/L	97
18) Methyl tert-butyl Ether	5.322	73	193899	25.633	ug/L	98
19) 1,1-Dichloroethane	6.110	63	157754	24.396	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	86952	24.833	ug/L	99
22) 2-Butanone	7.081	43	58374	48.640	ug/L	99
23) Bromochloromethane	7.428	128	38162	27.124	ug/L	90
25) Chloroform	7.598	83	155472	26.172	ug/L	95

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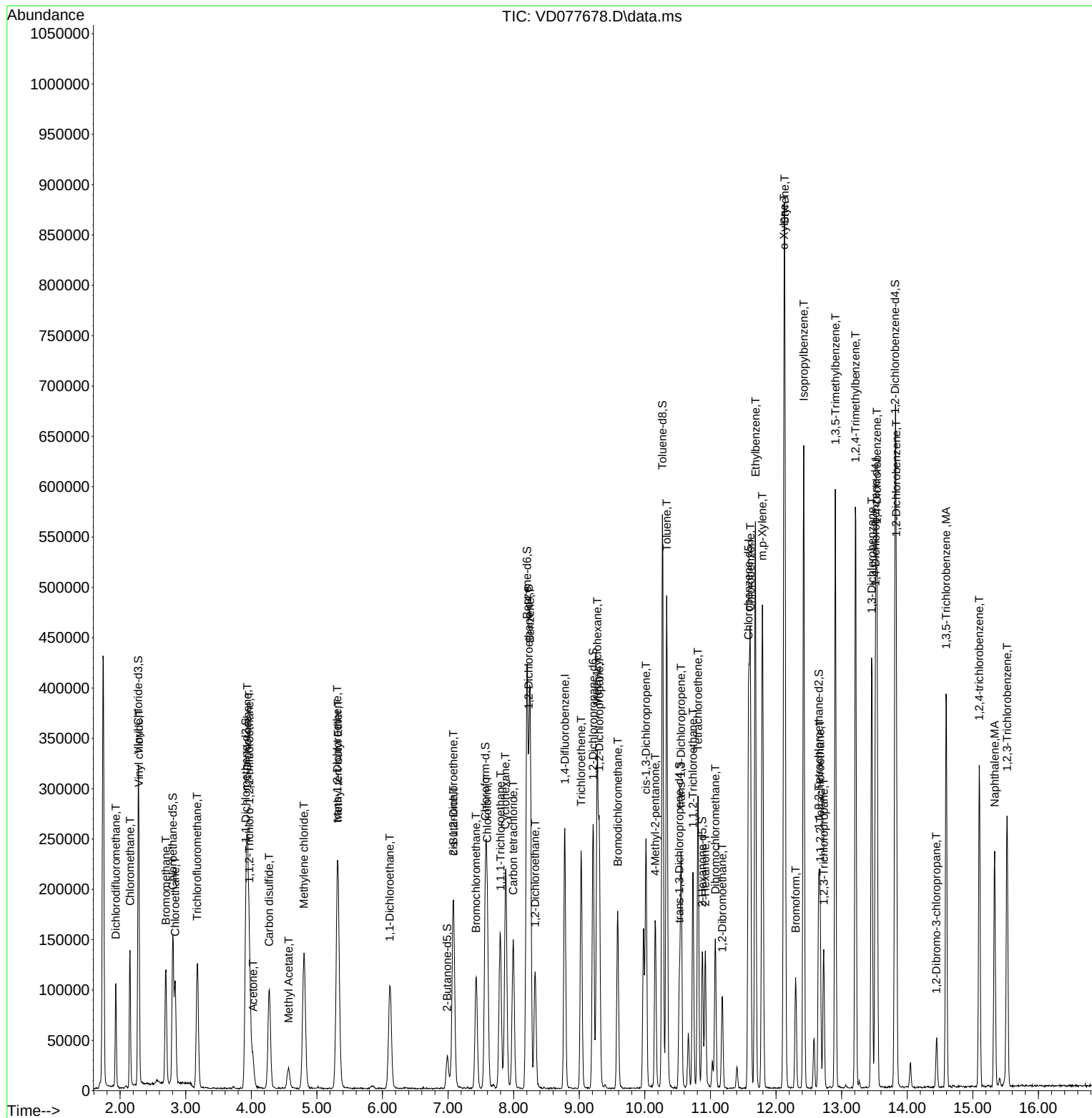
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	104420	26.517	ug/L	95
29) Cyclohexane	7.875	56	122719	18.463	ug/L	95
30) 1,1,1-Trichloroethane	7.798	97	125192	23.361	ug/L	98
31) Carbon tetrachloride	7.992	117	110994	24.100	ug/L	100
33) Benzene	8.251	78	334189	23.542	ug/L	100
34) Trichloroethene	9.028	95	81564	23.188	ug/L	95
35) Methylcyclohexane	9.275	83	130236	20.517	ug/L	96
37) 1,2-Dichloropropane	9.304	63	94979	24.067	ug/L	100
38) Bromodichloromethane	9.586	83	116146	25.658	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	146581	24.171	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	118103	49.109	ug/L	99
42) Toluene	10.333	91	356981	23.952	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	128161	25.576	ug/L	98
45) 1,1,2-Trichloroethane	10.733	97	67536	27.996	ug/L	97
46) Tetrachloroethene	10.810	164	62549	24.167	ug/L	98
48) 2-Hexanone	10.922	43	88713	46.538	ug/L	97
49) Dibromochloromethane	11.075	129	74371	27.141	ug/L	97
50) 1,2-Dibromoethane	11.180	107	59595	25.834	ug/L #	92
51) Chlorobenzene	11.610	112	220311	25.231	ug/L	98
52) Ethylbenzene	11.686	91	399202	24.342	ug/L	98
53) m,p-Xylene	11.792	106	148305	24.851	ug/L	99
54) o-Xylene	12.122	106	144124	25.216	ug/L	93
55) Styrene	12.133	104	262534	26.307	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.674	83	80899	28.468	ug/L	95
59) Bromoform	12.298	173	48723	26.193	ug/L	100
60) Isopropylbenzene	12.422	105	399844	22.657	ug/L	99
61) 1,2,3-Trichloropropane	12.727	75	57052	24.549	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	303397	22.652	ug/L	99
63) 1,2,4-Trimethylbenzene	13.210	105	310595	22.893	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	174358	24.083	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	180001	24.636	ug/L	99
67) 1,2-Dichlorobenzene	13.833	146	160823	25.125	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	12616	24.957	ug/L	88
69) 1,3,5-Trichlorobenzene	14.592	180	116981	23.730	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	97735	23.524	ug/L	99
71) Naphthalene	15.333	128	193345	24.693	ug/L	100
72) 1,2,3-Trichlorobenzene	15.521	180	90149	25.448	ug/L	99

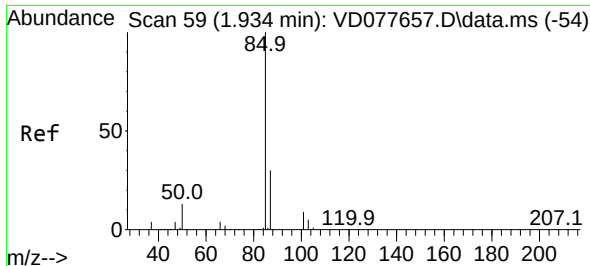
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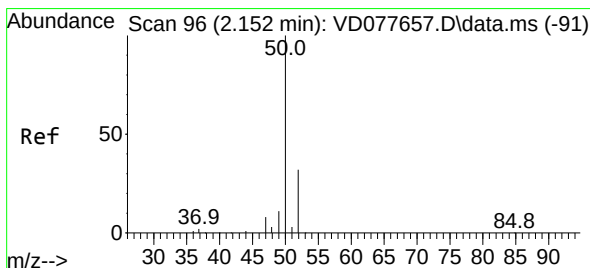
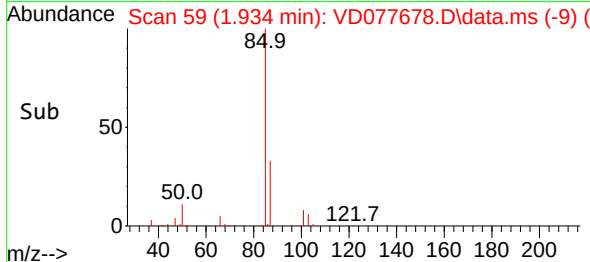
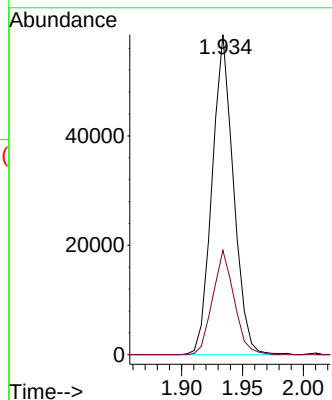
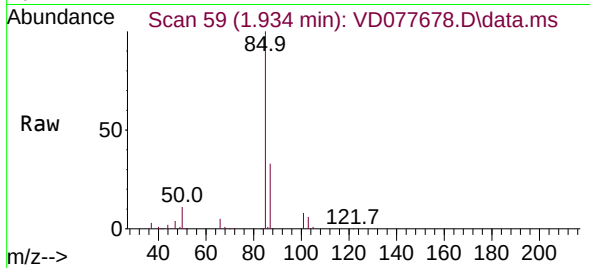




#2
Dichlorodifluoromethane
Concen: 20.641 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

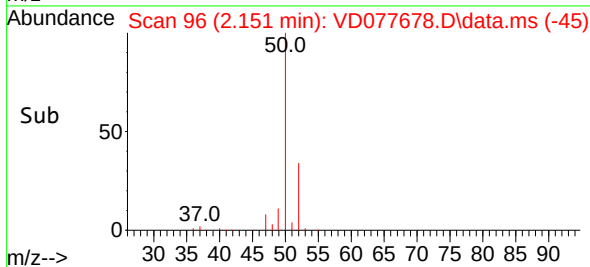
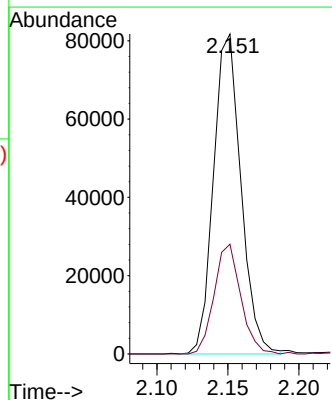
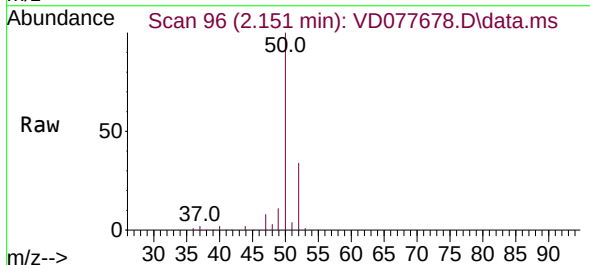
Instrument :
MSVOA_D
ClientSampleId :
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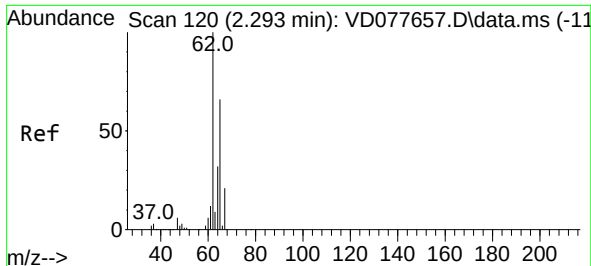
Tgt Ion: 85 Resp: 71620
Ion Ratio Lower Upper
85 100
87 32.7 26.2 39.2



#3
Chloromethane
Concen: 21.976 ug/L
RT: 2.151 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 50 Resp: 109702
Ion Ratio Lower Upper
50 100
52 34.3 22.1 41.1

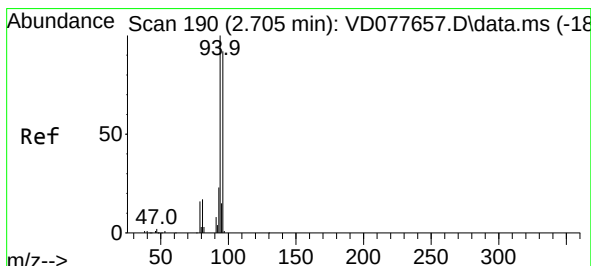
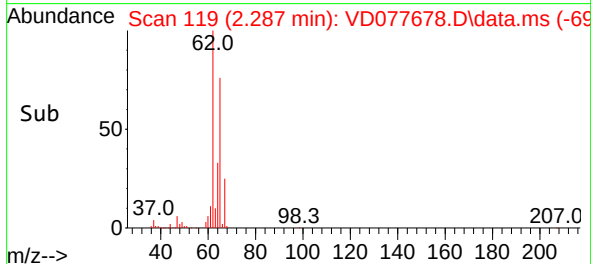
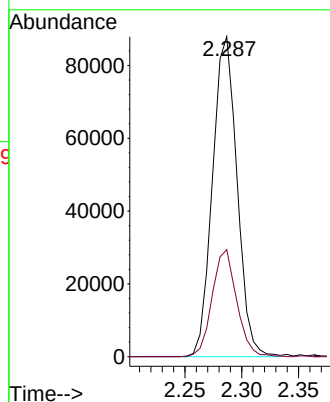
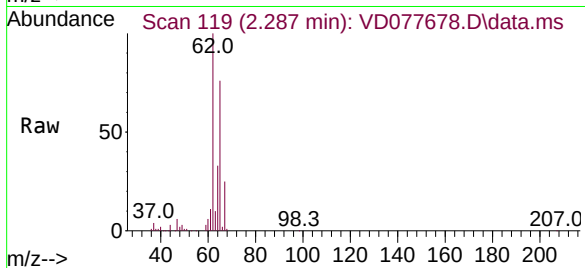




#5
 Vinyl chloride
 Concen: 23.473 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD077678.D
 Acq: 22 Nov 2023 19:04

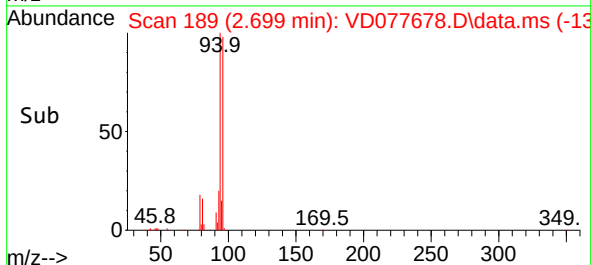
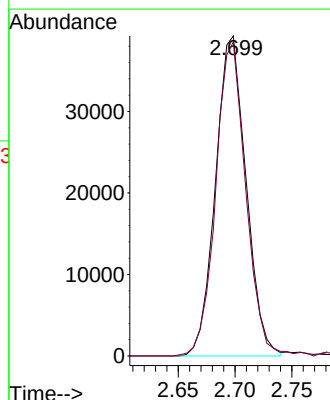
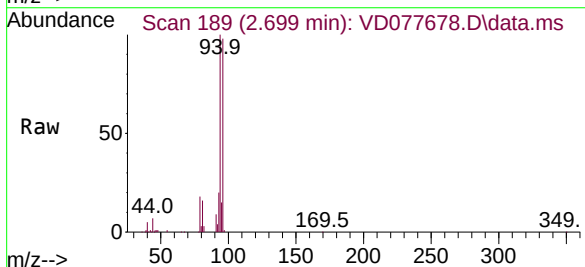
Instrument :
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 ClientSampleId :
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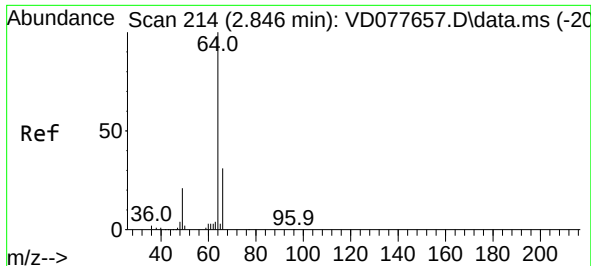
Tgt Ion: 62 Resp: 132258
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.9 44.5



#6
 Bromomethane
 Concen: 24.463 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. -0.006 min
 Lab File: VD077678.D
 Acq: 22 Nov 2023 19:04

Tgt Ion: 94 Resp: 73383
 Ion Ratio Lower Upper
 94 100
 96 98.1 64.5 119.9

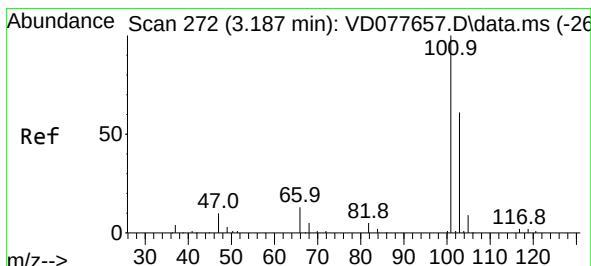
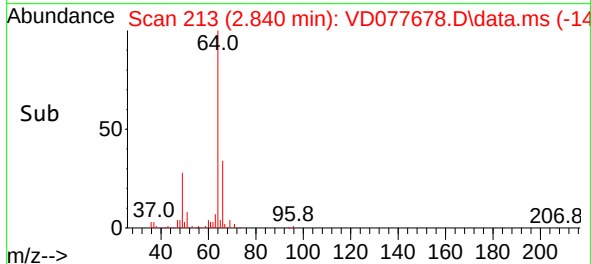
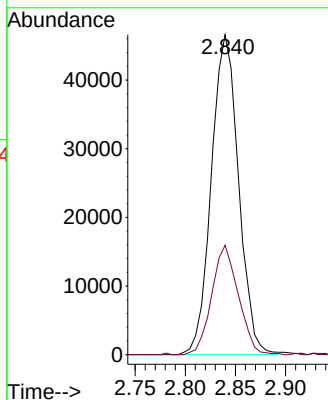
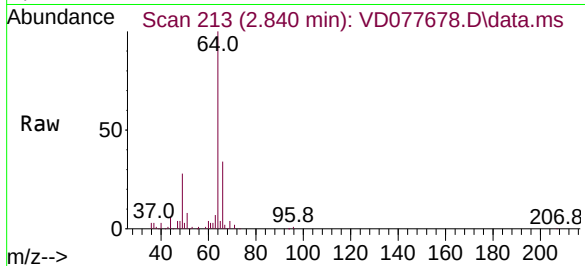




#8
Chloroethane
Concen: 25.120 ug/L
RT: 2.840 min Scan# 214
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

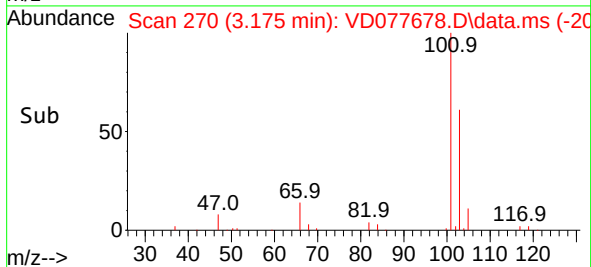
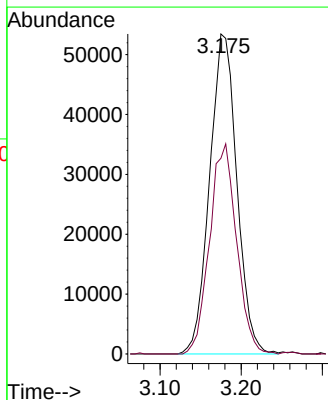
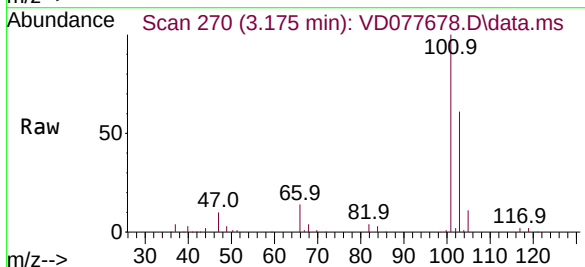
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MSVOA_D
ClientSampleId :
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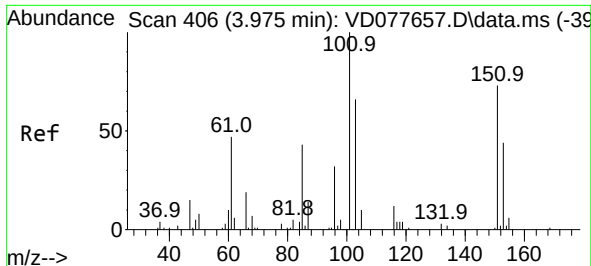
Tgt Ion: 64 Resp: 87990
Ion Ratio Lower Upper
64 100
66 34.2 19.8 36.8



#9
Trichlorofluoromethane
Concen: 24.301 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.012 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion:101 Resp: 124605
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9

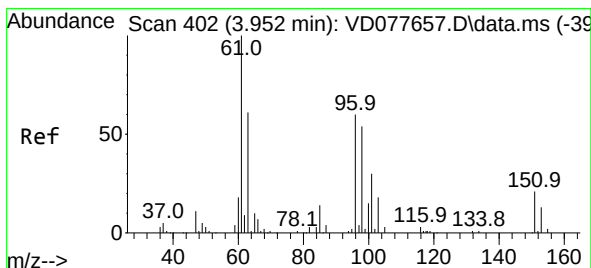
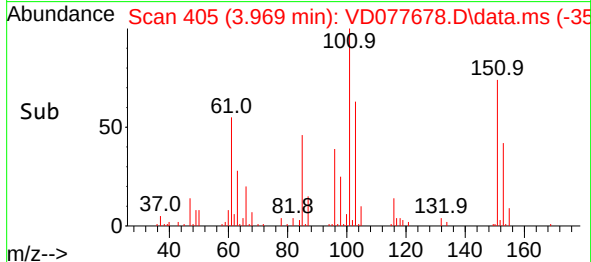
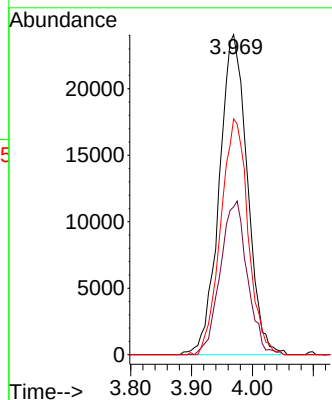
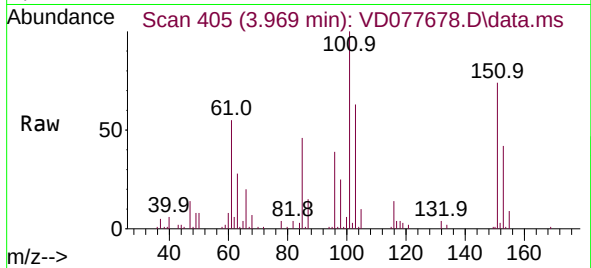




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.403 ug/L
 RT: 3.969 min Scan# 406
 Delta R.T. -0.012 min
 Lab File: VD077678.D
 Acq: 22 Nov 2023 19:04

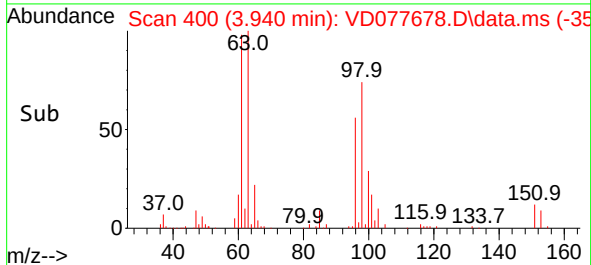
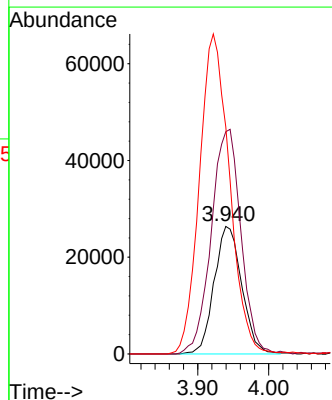
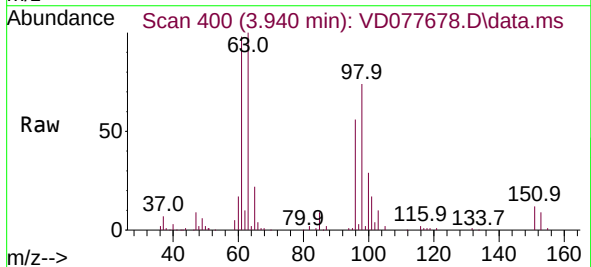
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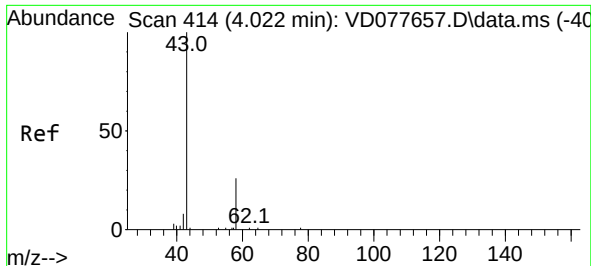
Tgt Ion:101 Resp: 77002
 Ion Ratio Lower Upper
 101 100
 85 45.8 36.8 55.2
 151 71.8 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 23.176 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.012 min
 Lab File: VD077678.D
 Acq: 22 Nov 2023 19:04

Tgt Ion: 96 Resp: 71009
 Ion Ratio Lower Upper
 96 100
 61 174.2 127.5 236.9
 63 177.9 86.4 160.4





#13

Acetone

Concen: 48.265 ug/L

RT: 4.028 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

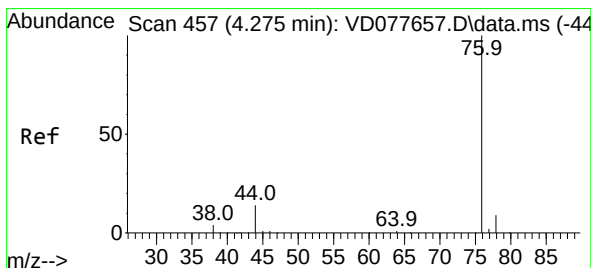
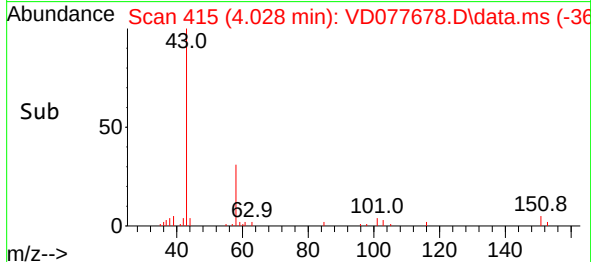
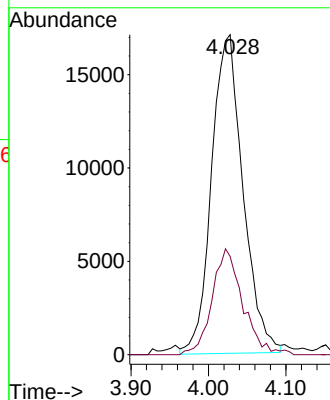
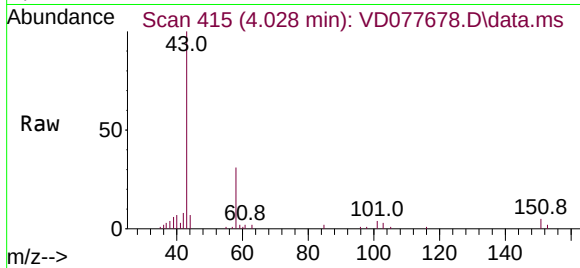
EY1G7MSD

Tgt Ion: 43 Resp: 48141

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.0



#14

Carbon disulfide

Concen: 18.091 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.012 min

Lab File: VD077678.D

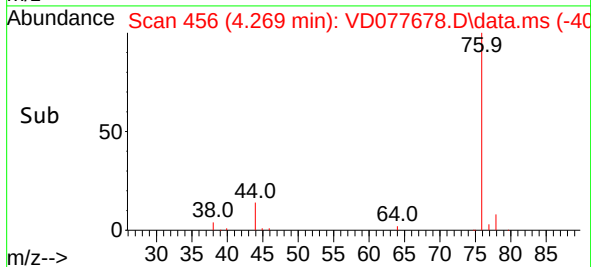
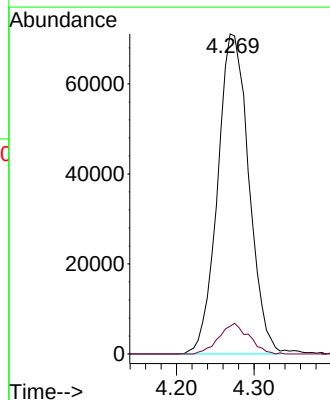
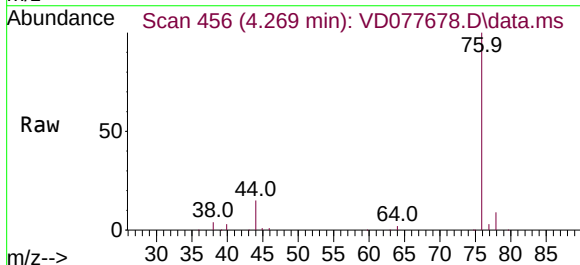
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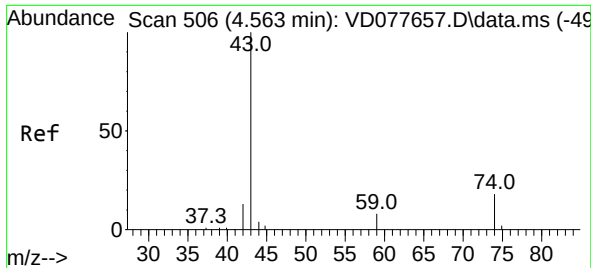
Tgt Ion: 76 Resp: 199581

Ion Ratio Lower Upper

76 100

78 8.7 6.9 10.3

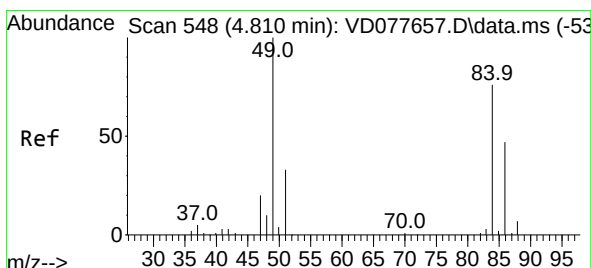
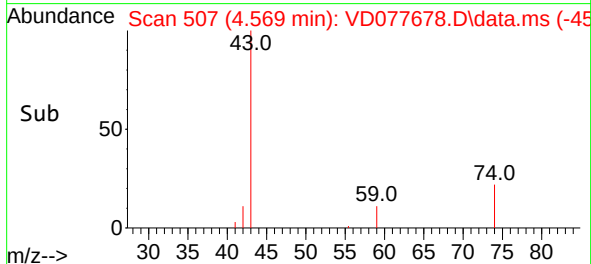
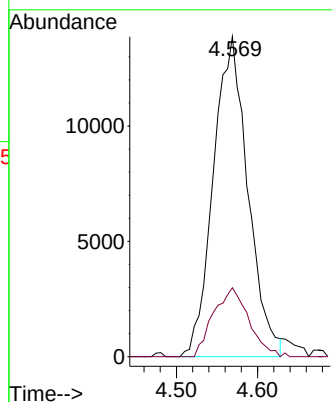
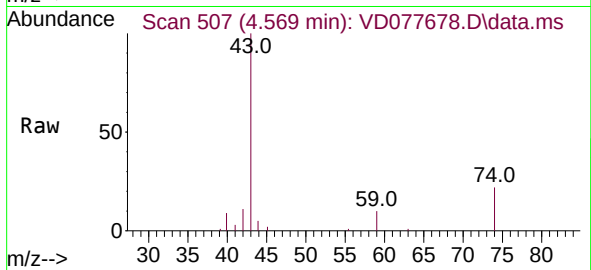




#15
Methyl Acetate
Concen: 25.053 ug/L
RT: 4.569 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

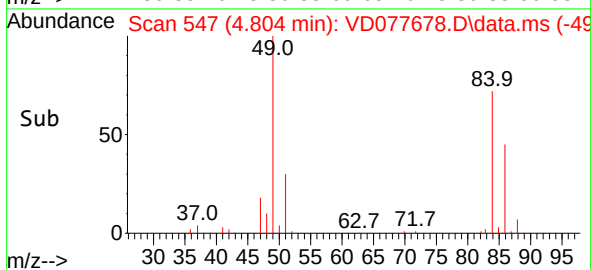
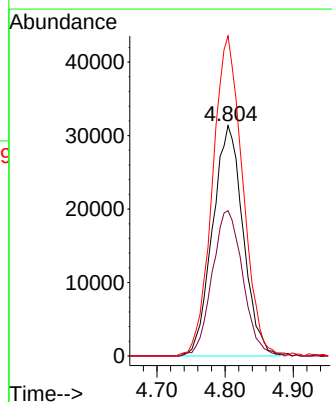
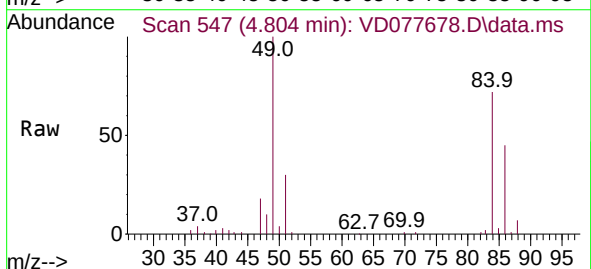
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

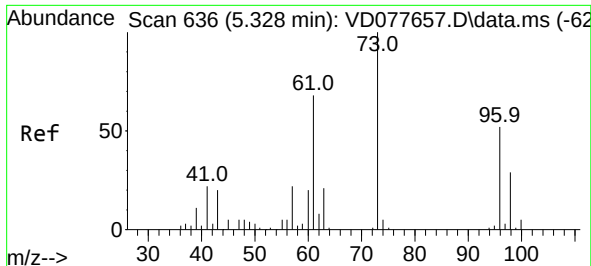
Tgt Ion: 43 Resp: 41110
Ion Ratio Lower Upper
43 100
74 21.9 16.6 24.8



#16
Methylene chloride
Concen: 26.850 ug/L
RT: 4.804 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 84 Resp: 97670
Ion Ratio Lower Upper
84 100
86 63.1 46.5 86.5
49 138.9 98.3 182.7

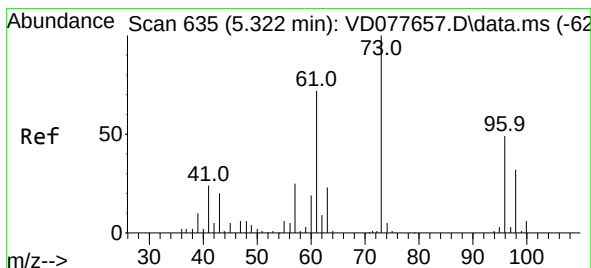
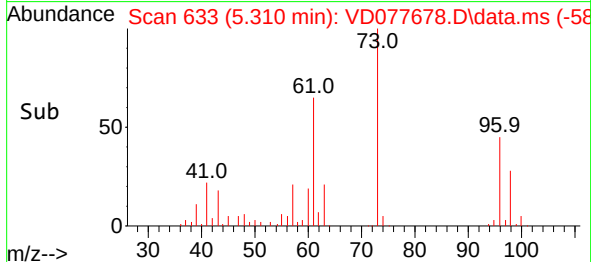
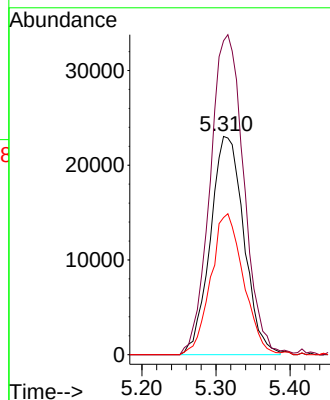
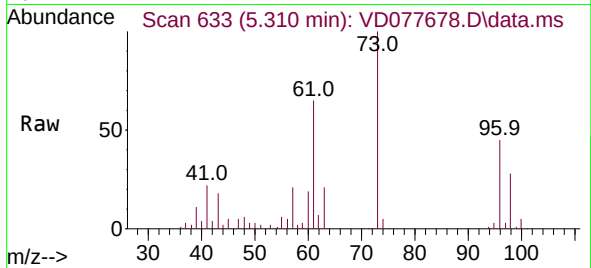




#17
trans-1,2-Dichloroethene
Concen: 22.457 ug/L
RT: 5.310 min Scan# 61
Delta R.T. -0.012 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

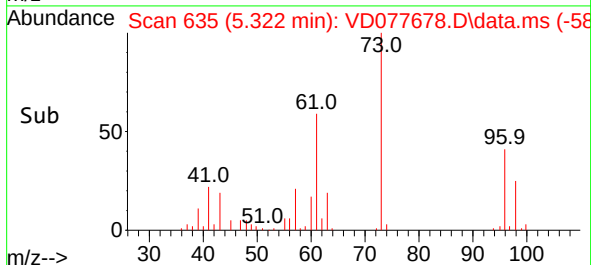
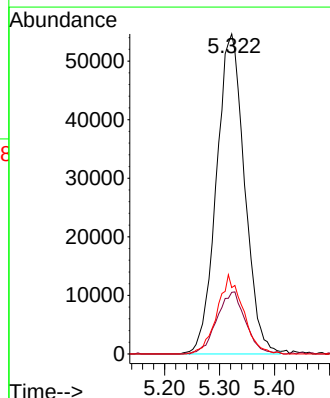
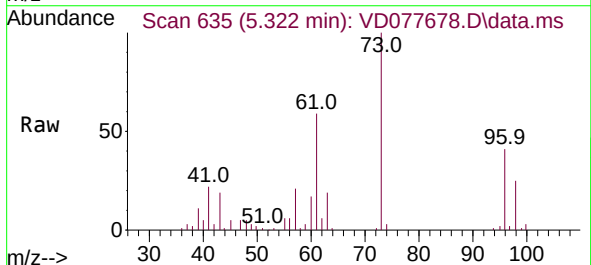
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

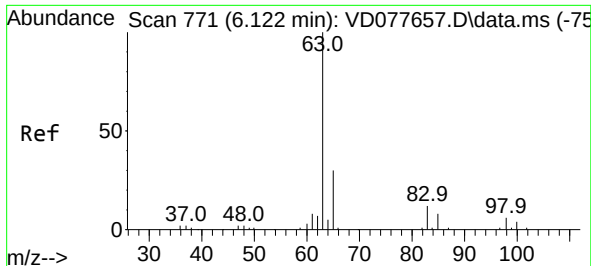
Tgt Ion: 96 Resp: 72378
Ion Ratio Lower Upper
96 100
61 143.8 104.0 193.2
98 62.8 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 25.633 ug/L
RT: 5.322 min Scan# 635
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 73 Resp: 193899
Ion Ratio Lower Upper
73 100
43 19.6 16.4 24.6
57 22.8 19.3 28.9





#19

1,1-Dichloroethane

Concen: 24.396 ug/L

RT: 6.110 min Scan# 7

Delta R.T. -0.012 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

EY1G7MSD

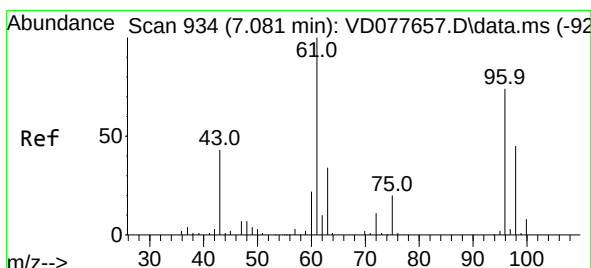
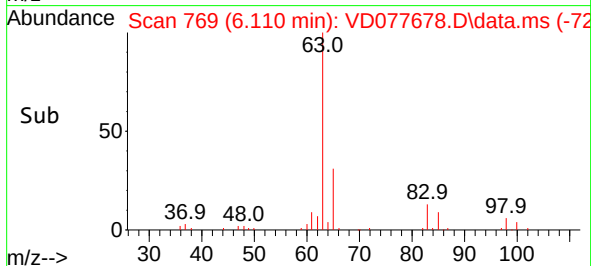
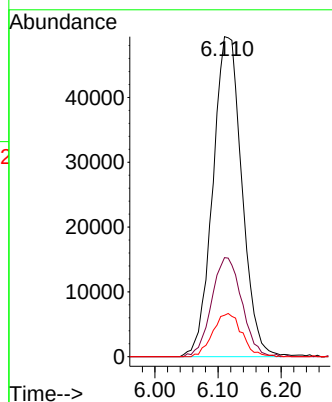
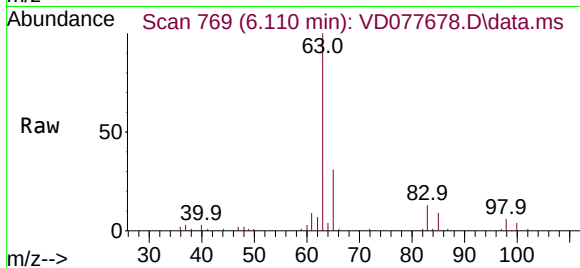
Tgt Ion: 63 Resp: 157754

Ion Ratio Lower Upper

63 100

65 30.9 22.6 42.0

83 12.9 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 24.833 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.006 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

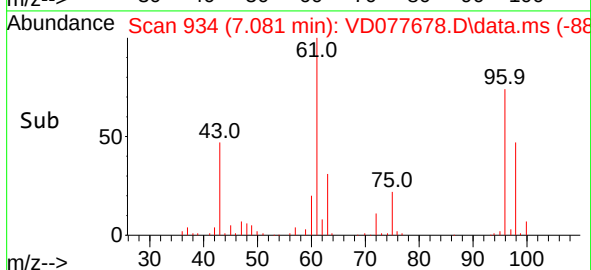
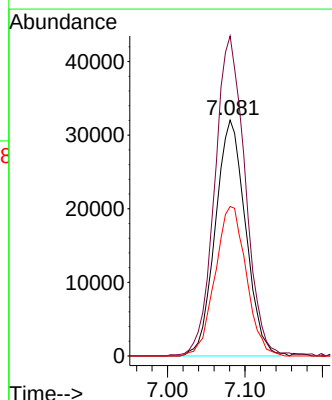
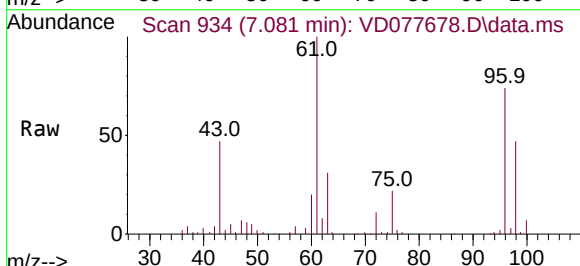
Tgt Ion: 96 Resp: 86952

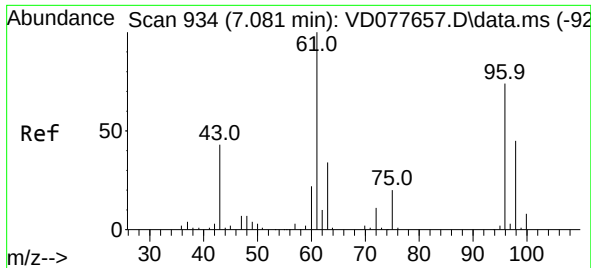
Ion Ratio Lower Upper

96 100

61 135.7 95.0 176.4

98 63.4 43.1 80.1

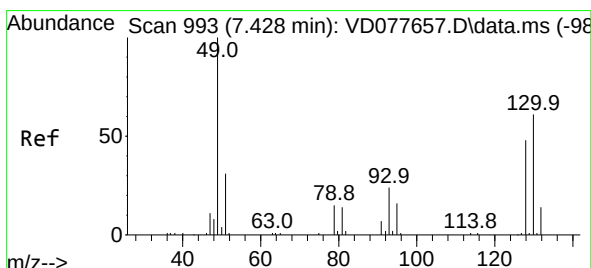
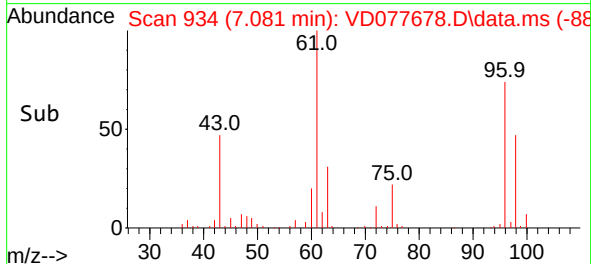
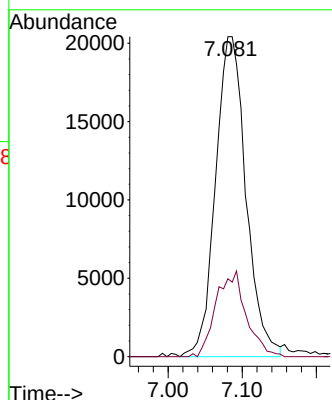
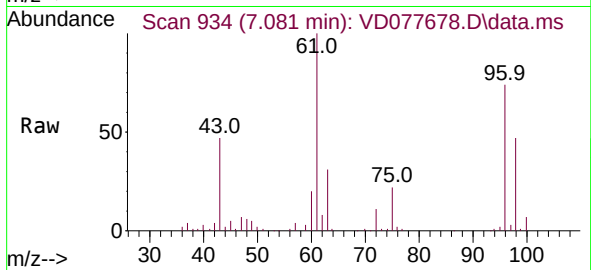




#22
2-Butanone
Concen: 48.640 ug/L
RT: 7.081 min Scan# 913
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

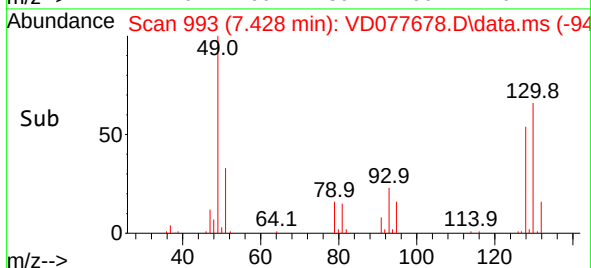
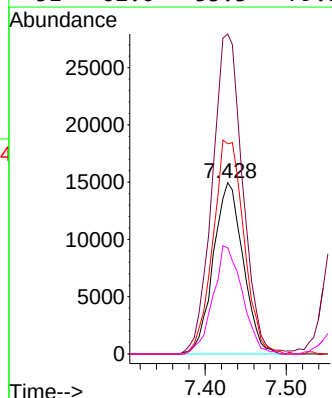
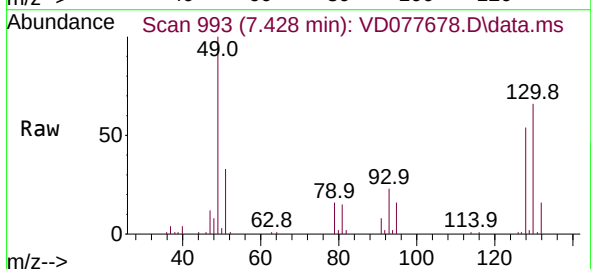
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

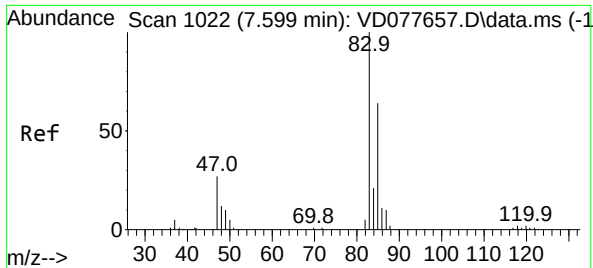
Tgt Ion: 43 Resp: 58374
Ion Ratio Lower Upper
43 100
72 26.3 12.8 38.4



#23
Bromochloromethane
Concen: 27.124 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion:128 Resp: 38162
Ion Ratio Lower Upper
128 100
49 186.7 146.7 272.5
130 122.6 83.2 154.6
51 62.0 53.3 79.9

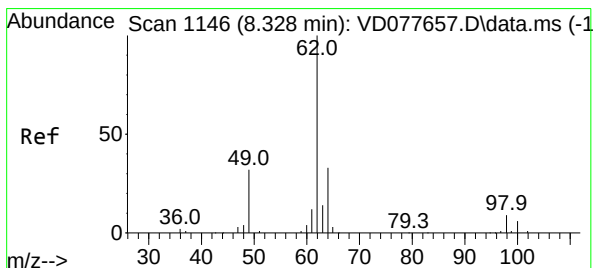
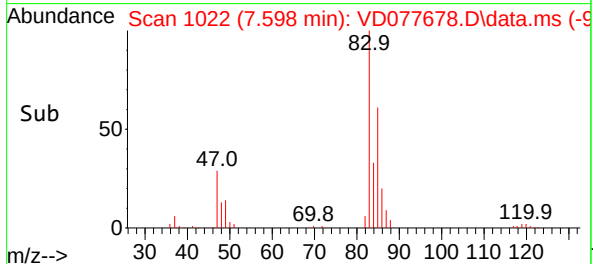
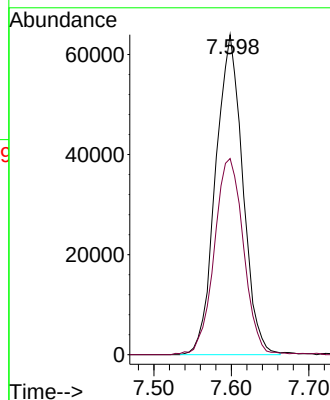
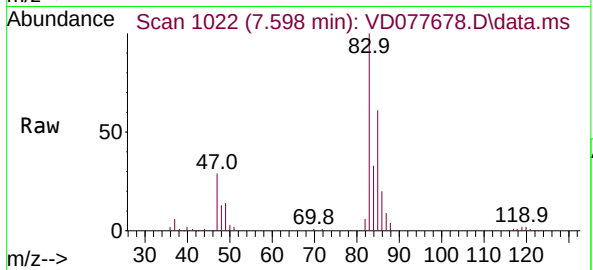




#25
Chloroform
Concen: 26.172 ug/L
RT: 7.598 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

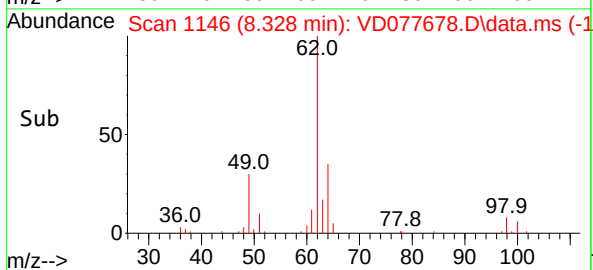
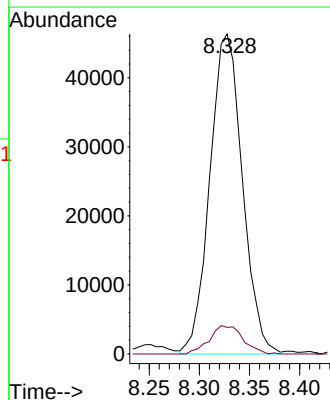
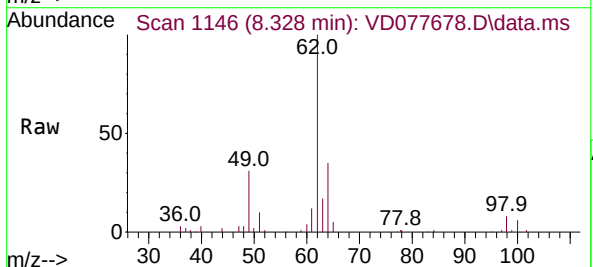
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

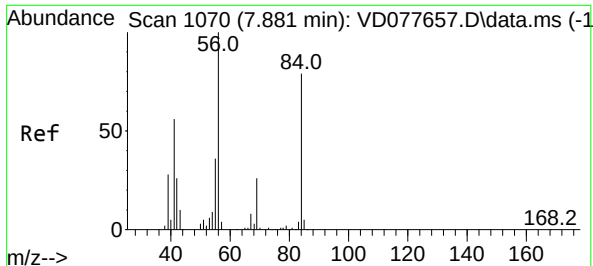
Tgt Ion: 83 Resp: 155472
Ion Ratio Lower Upper
83 100
85 61.3 45.9 85.3



#27
1,2-Dichloroethane
Concen: 26.517 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 62 Resp: 104420
Ion Ratio Lower Upper
62 100
98 8.3 8.0 12.0





#29

Cyclohexane

Concen: 18.463 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.012 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

EY1G7MSD

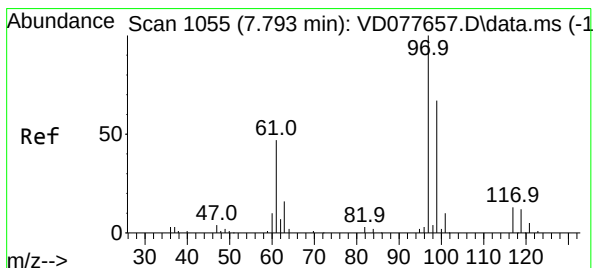
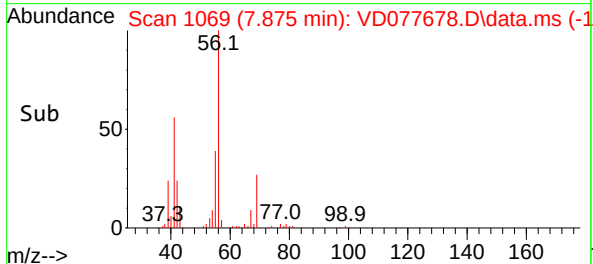
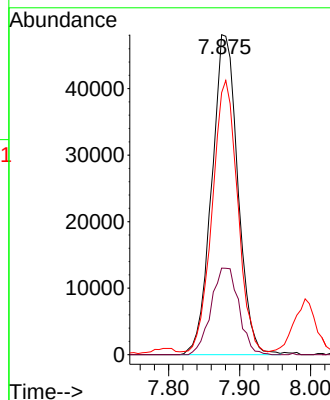
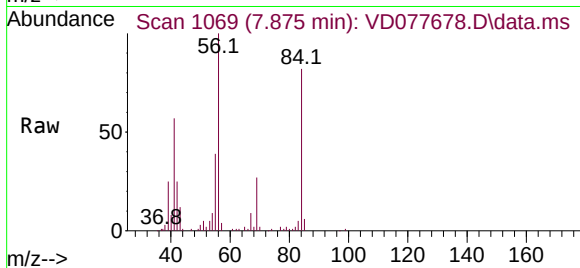
Tgt Ion: 56 Resp: 122719

Ion Ratio Lower Upper

56 100

69 28.7 22.6 33.8

84 84.3 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 23.361 ug/L

RT: 7.798 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

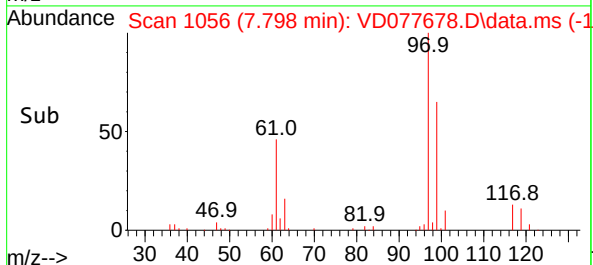
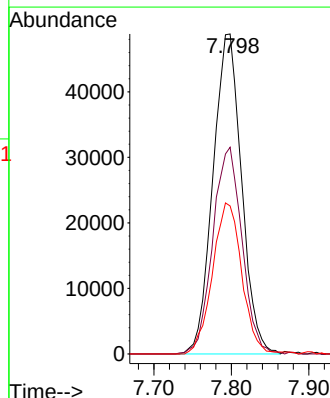
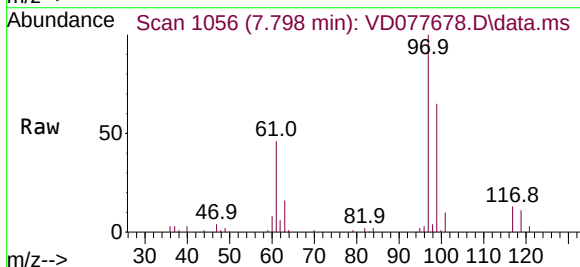
Tgt Ion: 97 Resp: 125192

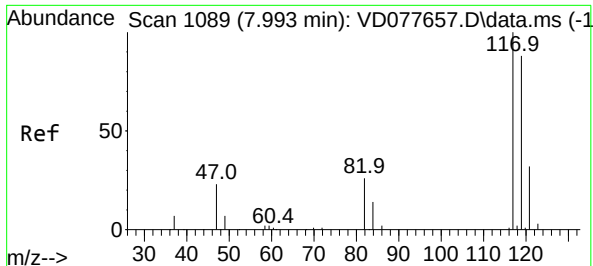
Ion Ratio Lower Upper

97 100

99 65.9 51.4 77.2

61 48.2 38.1 57.1

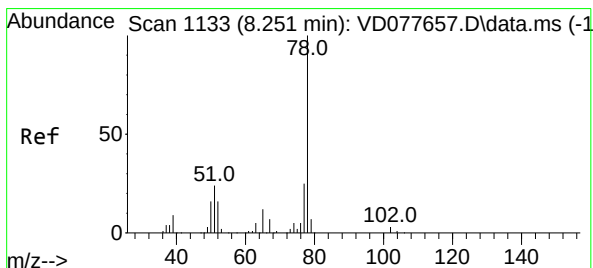
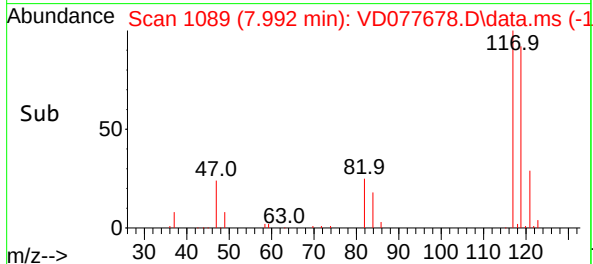
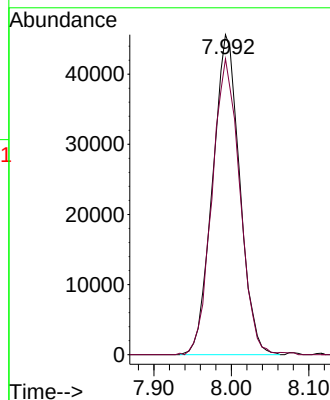
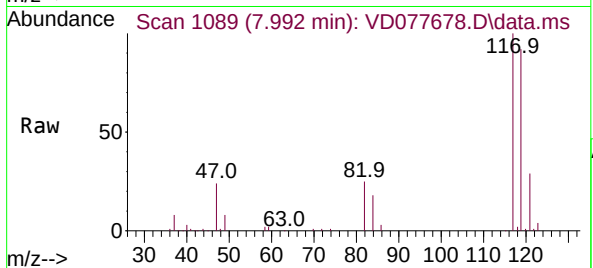




#31
Carbon tetrachloride
Concen: 24.100 ug/L
RT: 7.992 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

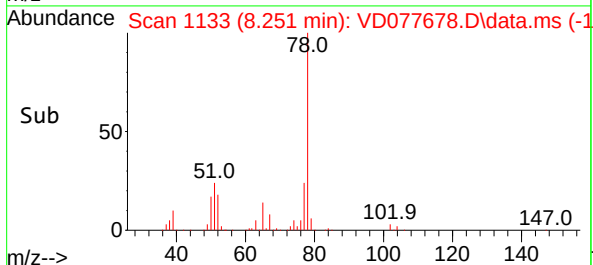
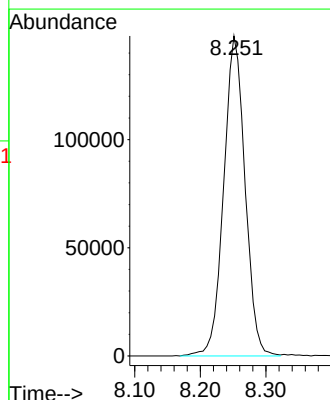
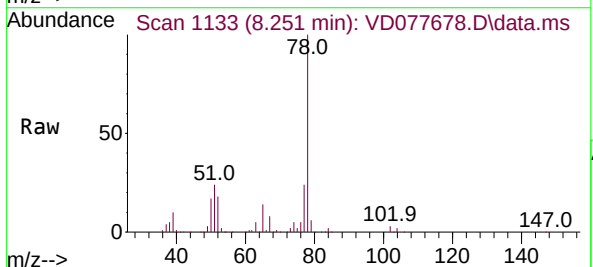
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

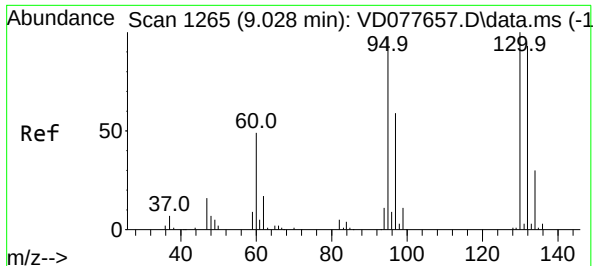
Tgt Ion:117 Resp: 110994
Ion Ratio Lower Upper
117 100
119 94.4 75.4 113.0



#33
Benzene
Concen: 23.542 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 78 Resp: 334189



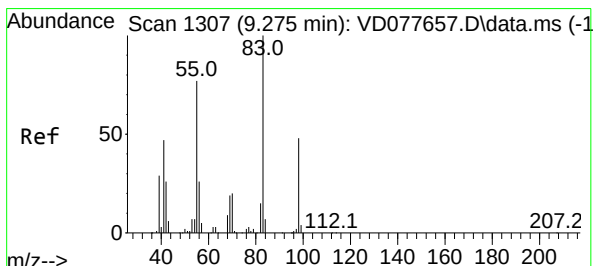
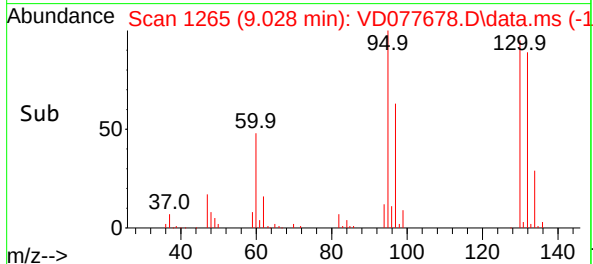
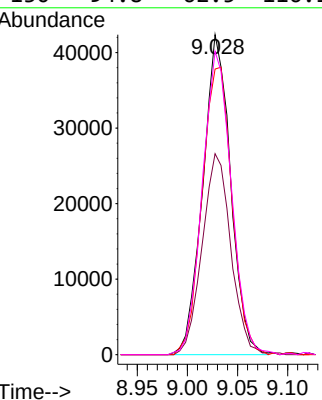
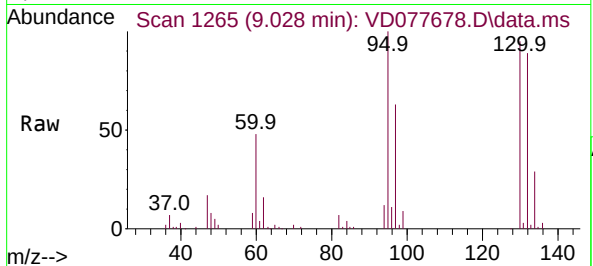


#34
Trichloroethene
Concen: 23.188 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

Tgt Ion: 95 Resp: 81564

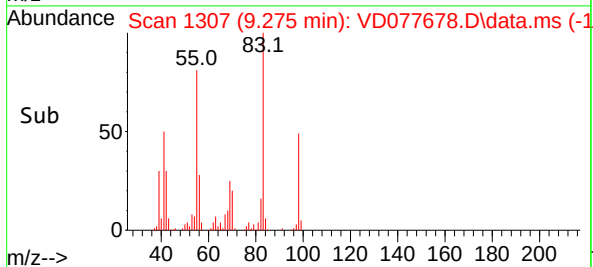
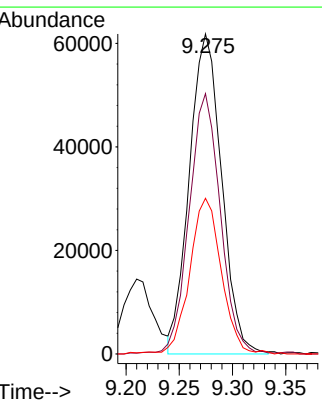
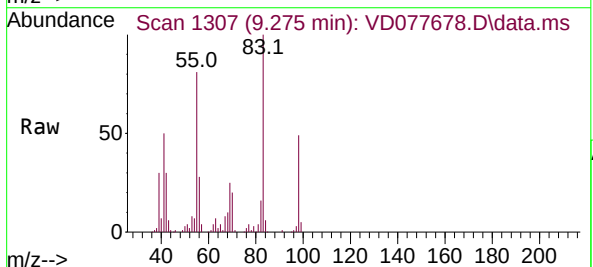
Ion	Ratio	Lower	Upper
95	100		
97	62.8	42.4	78.6
132	89.3	59.4	110.2
130	94.8	62.5	116.1

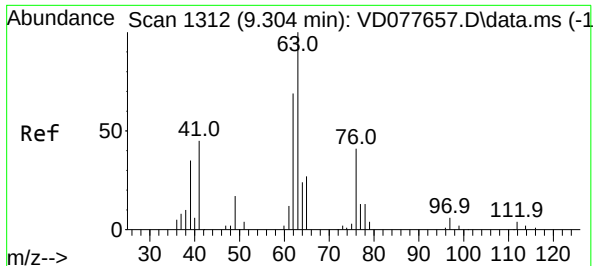


#35
Methylcyclohexane
Concen: 20.517 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 83 Resp: 130236

Ion	Ratio	Lower	Upper
83	100		
55	78.5	66.5	99.7
98	47.2	37.4	56.2





#37

1,2-Dichloropropane

Concen: 24.067 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

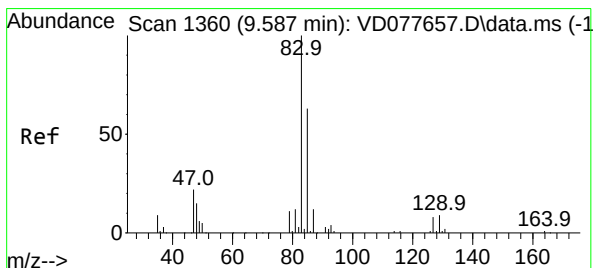
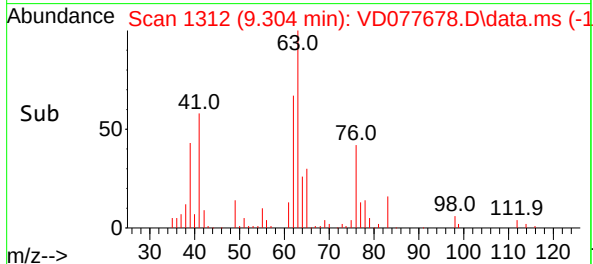
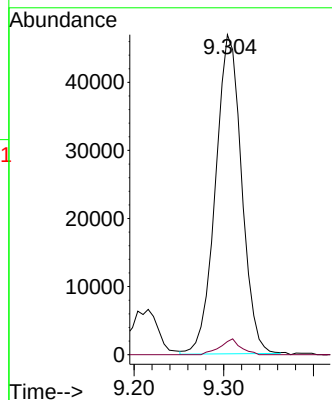
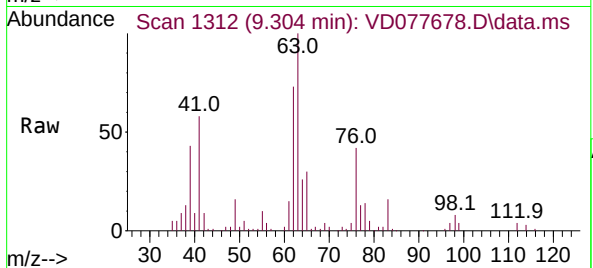
EY1G7MSD

Tgt Ion: 63 Resp: 94979

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 25.658 ug/L

RT: 9.586 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

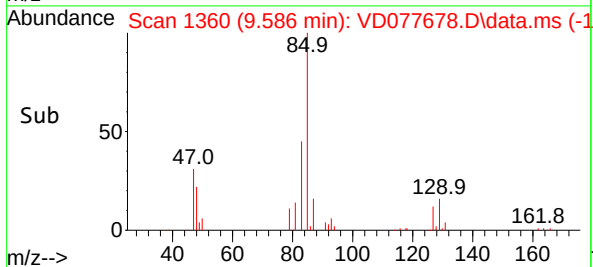
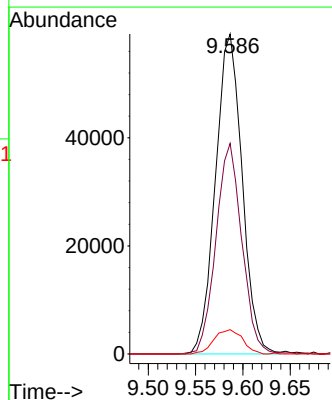
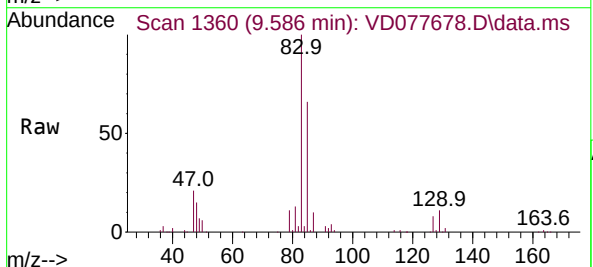
Tgt Ion: 83 Resp: 116146

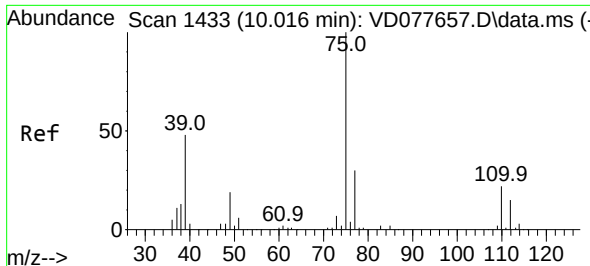
Ion Ratio Lower Upper

83 100

85 65.8 42.4 78.8

127 7.6 6.4 9.6

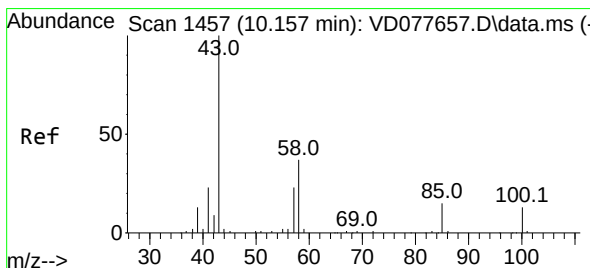
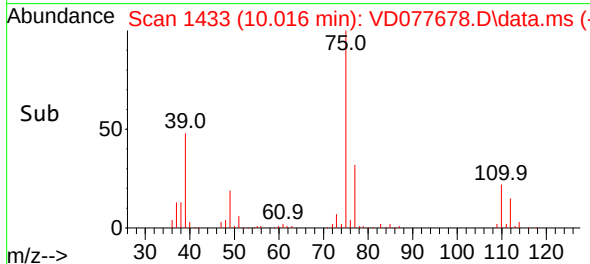
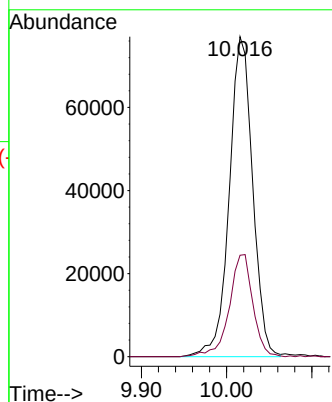
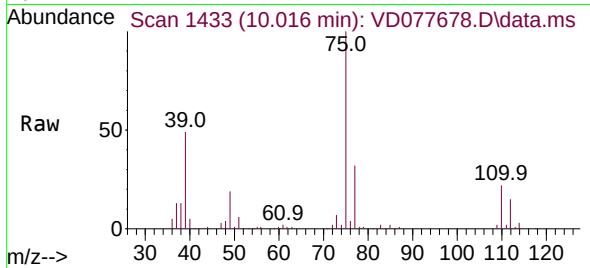




#39
 cis-1,3-Dichloropropene
 Concen: 24.171 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.006 min
 Lab File: VD077678.D
 Acq: 22 Nov 2023 19:04

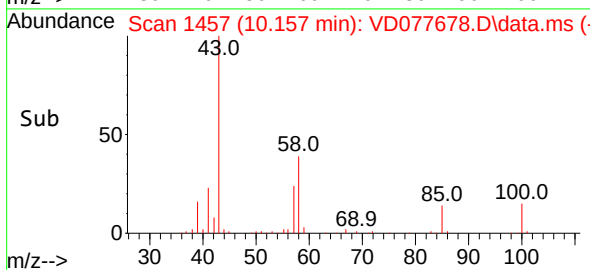
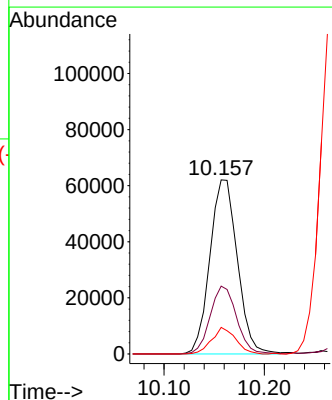
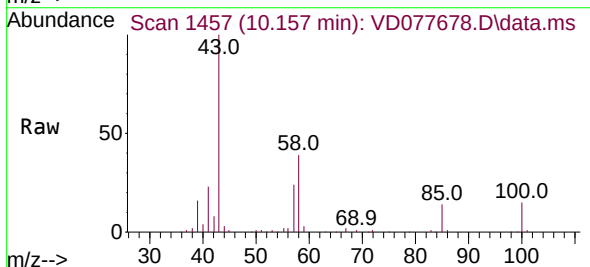
Instrument :
 MSVOA_D
 ClientSampleId :
 EY1G7MSD

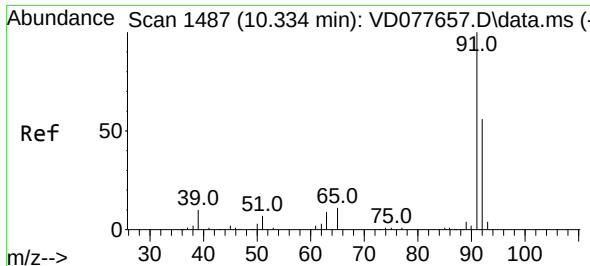
Tgt Ion: 75 Resp: 146581
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 49.109 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. -0.000 min
 Lab File: VD077678.D
 Acq: 22 Nov 2023 19:04

Tgt Ion: 43 Resp: 118103
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.8 44.8
 100 13.2 9.5 14.3

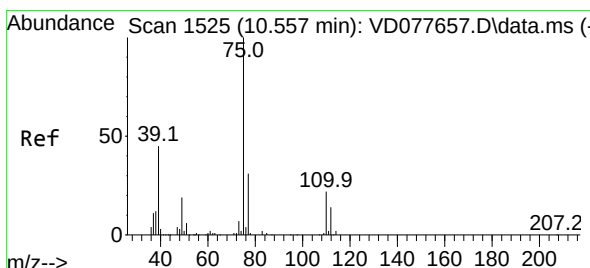
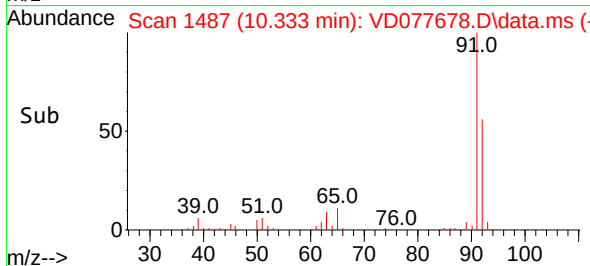
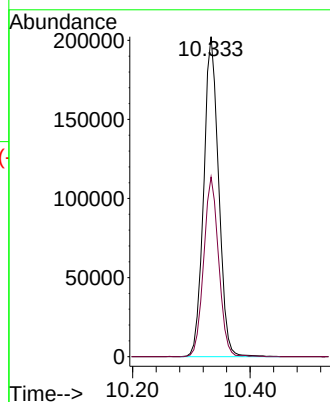
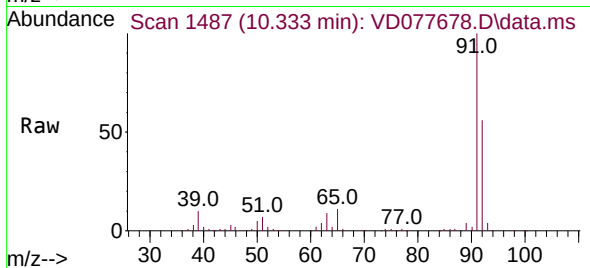




#42
Toluene
Concen: 23.952 ug/L
RT: 10.333 min Scan# 1487
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

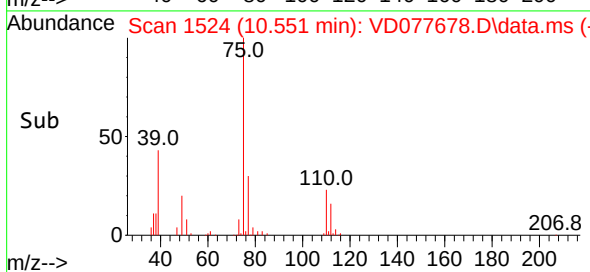
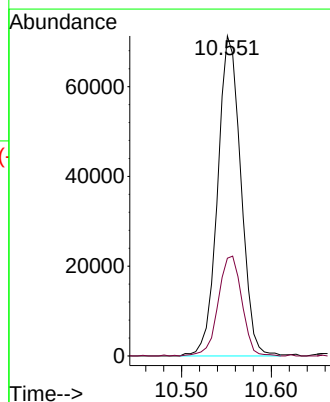
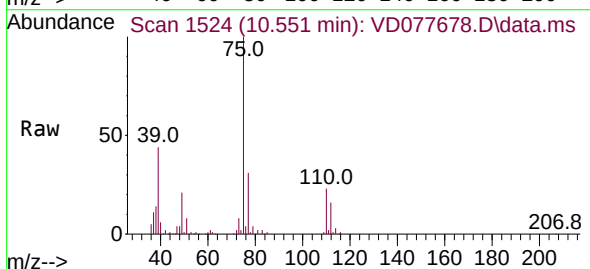
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

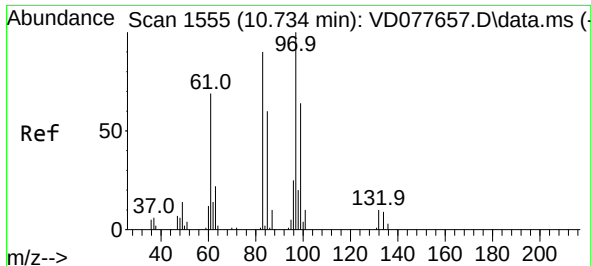
Tgt Ion: 91 Resp: 356981
Ion Ratio Lower Upper
91 100
92 56.1 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 25.576 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 75 Resp: 128161
Ion Ratio Lower Upper
75 100
77 30.6 22.3 41.5

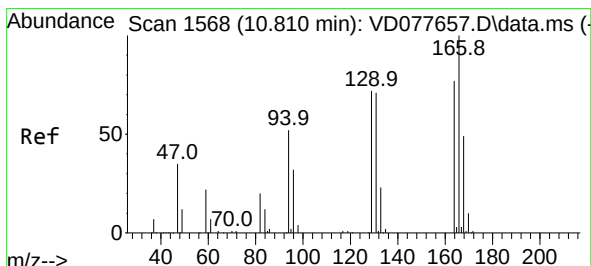
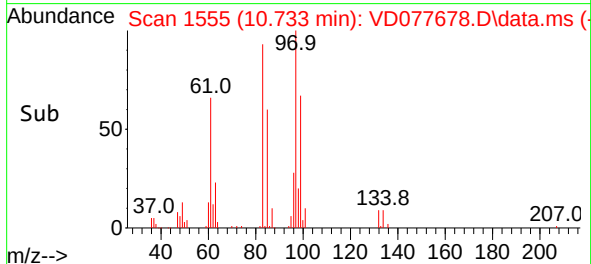
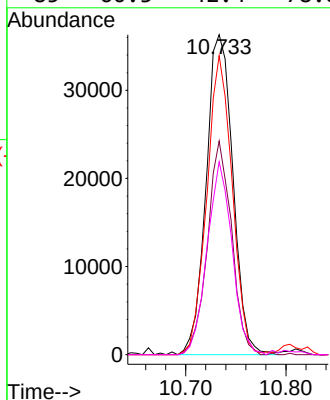
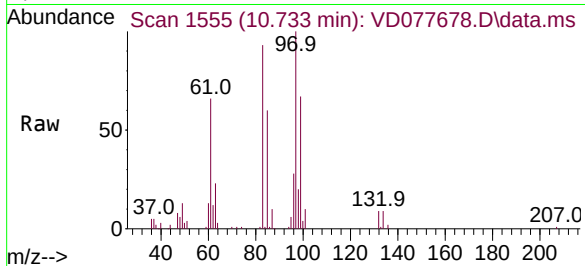




#45
1,1,2-Trichloroethane
Concen: 27.996 ug/L
RT: 10.733 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

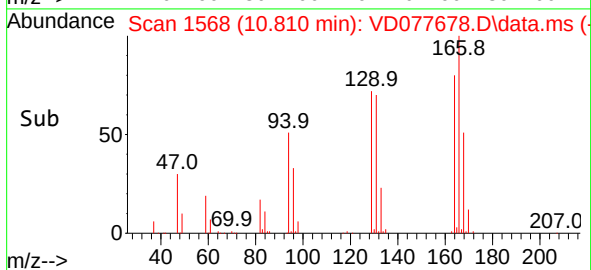
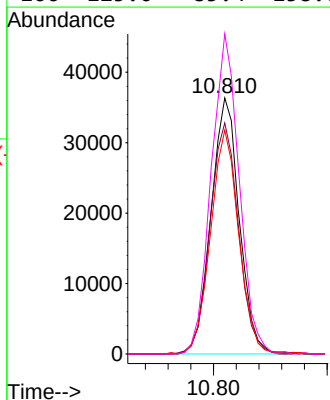
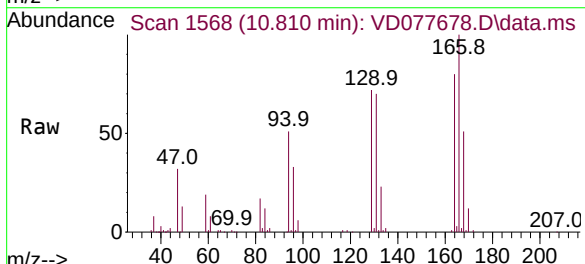
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

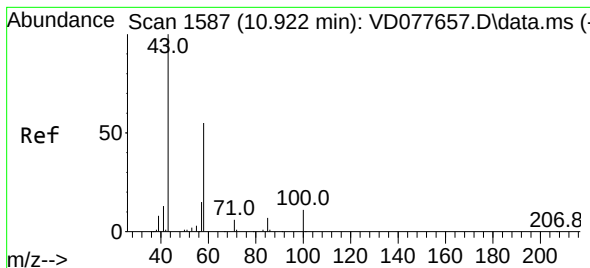
Tgt Ion:	97	Resp:	67536
Ion	Ratio	Lower	Upper
97	100		
99	66.8	43.5	80.7
83	93.5	63.1	117.3
85	60.3	42.4	78.8



#46
Tetrachloroethene
Concen: 24.167 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion:	164	Resp:	62549
Ion	Ratio	Lower	Upper
164	100		
129	90.3	60.6	112.6
131	87.4	61.6	114.4
166	125.0	85.4	158.6





#48

2-Hexanone

Concen: 46.538 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

EY1G7MSD

Tgt Ion: 43 Resp: 88713

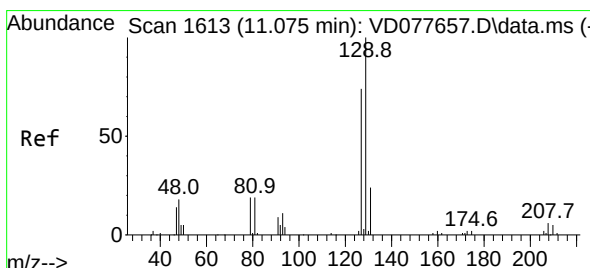
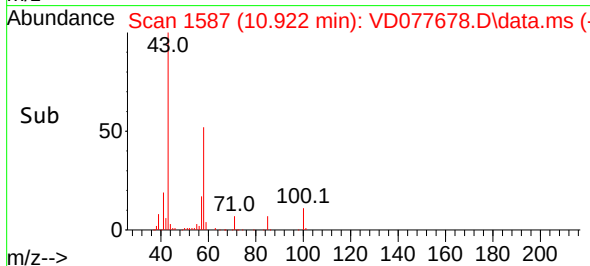
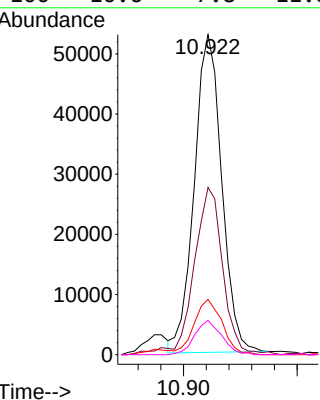
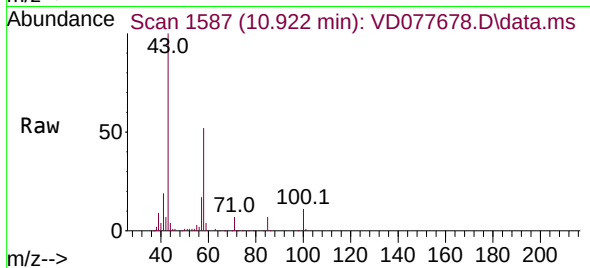
Ion Ratio Lower Upper

43 100

58 53.2 40.8 61.2

57 17.7 13.7 20.5

100 10.6 7.8 11.8



#49

Dibromochloromethane

Concen: 27.141 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD077678.D

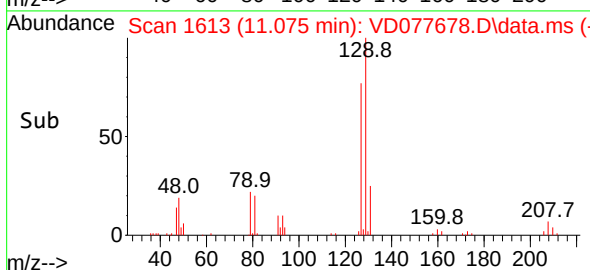
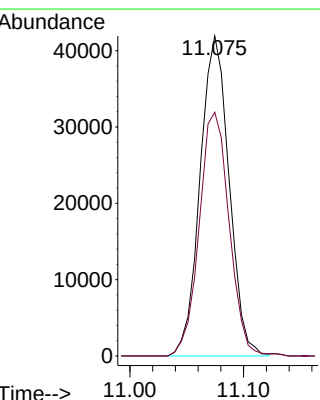
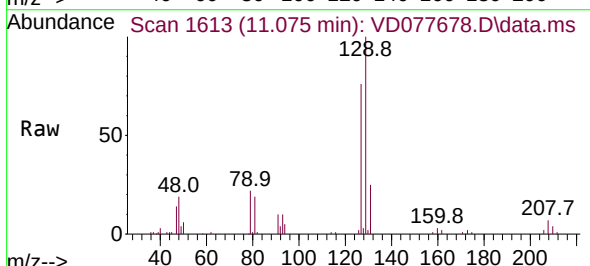
Acq: 22 Nov 2023 19:04

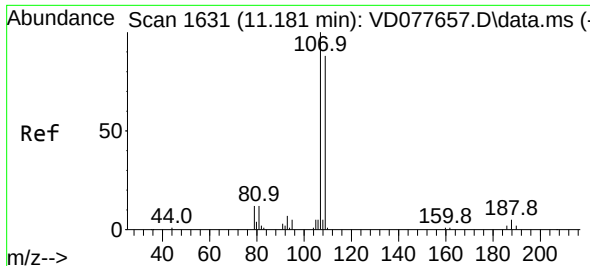
Tgt Ion: 129 Resp: 74371

Ion Ratio Lower Upper

129 100

127 76.2 54.9 102.1

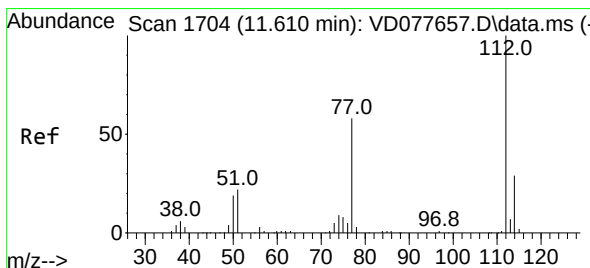
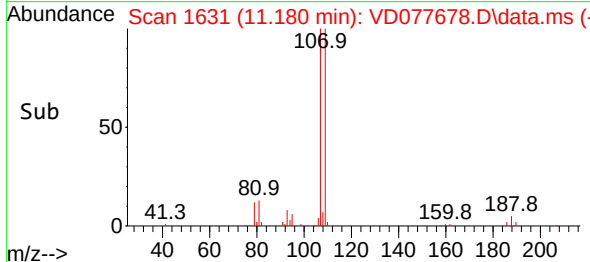
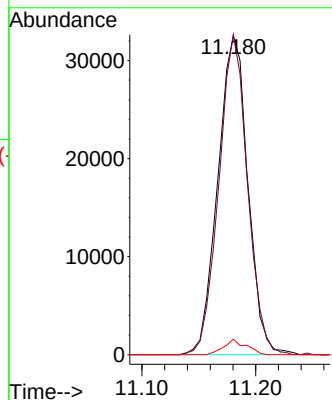
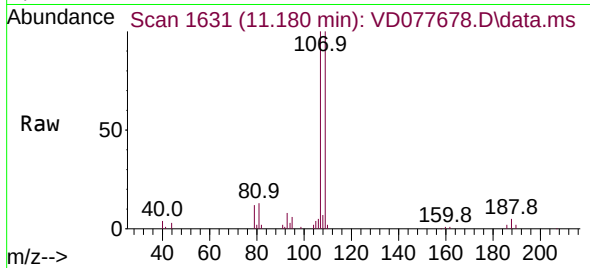




#50
1,2-Dibromoethane
Concen: 25.834 ug/L
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

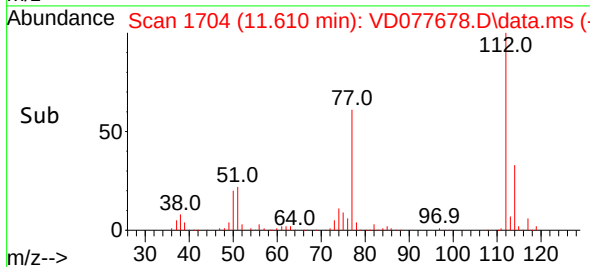
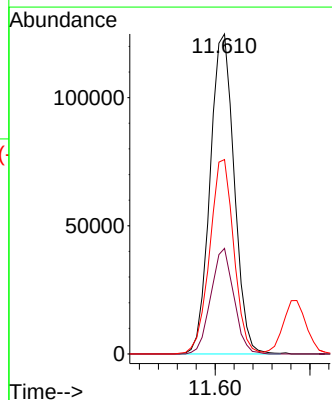
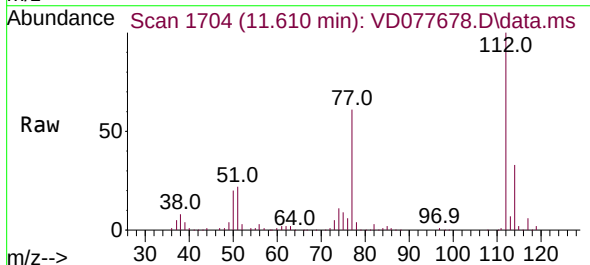
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

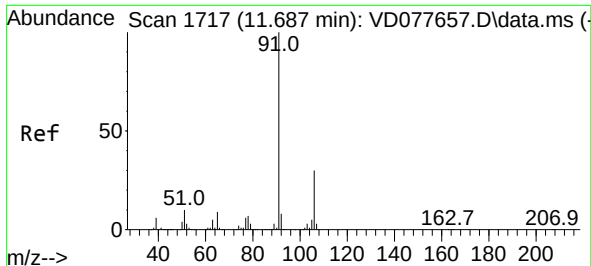
Tgt Ion:107 Resp: 59595
Ion Ratio Lower Upper
107 100
109 100.4 64.8 120.3
188 4.9 3.2 4.8#



#51
Chlorobenzene
Concen: 25.231 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion:112 Resp: 220311
Ion Ratio Lower Upper
112 100
114 33.0 22.4 41.6
77 60.8 49.6 74.4

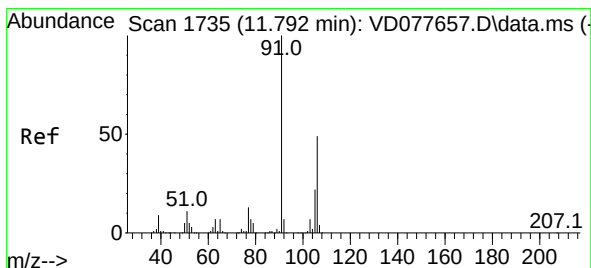
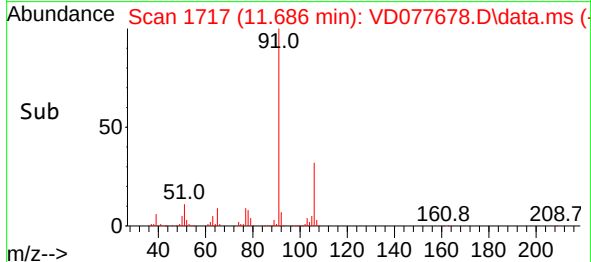
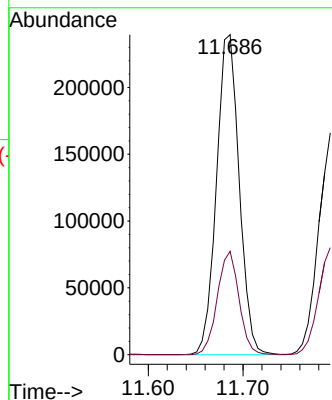
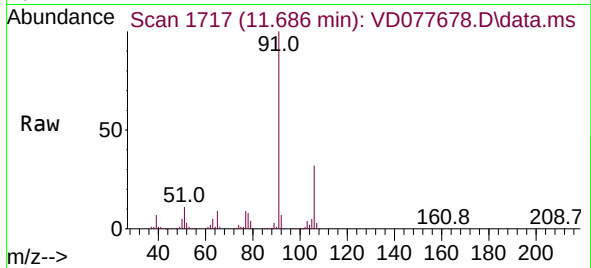




#52
Ethylbenzene
Concen: 24.342 ug/L
RT: 11.686 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

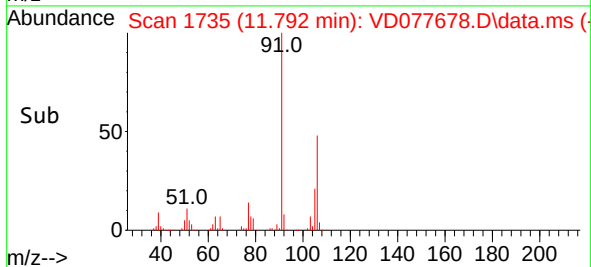
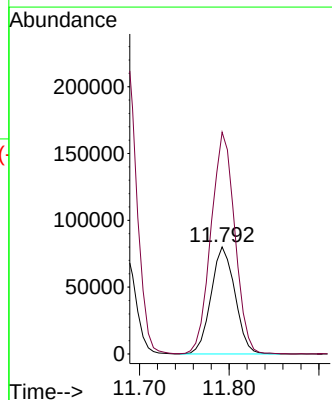
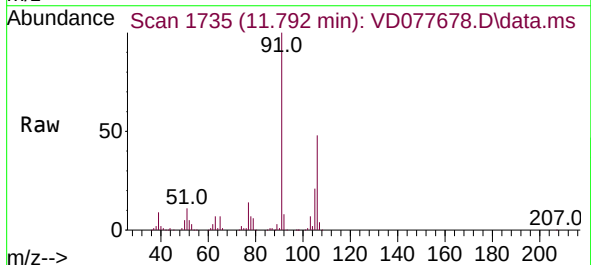
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

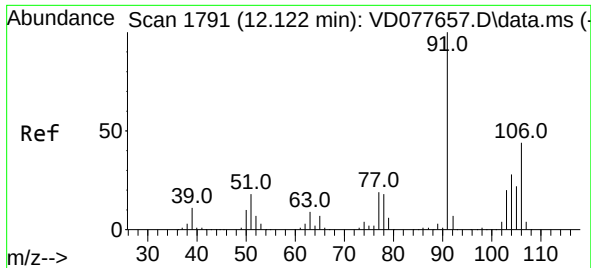
Tgt Ion: 91 Resp: 399202
Ion Ratio Lower Upper
91 100
106 32.3 22.0 40.8



#53
m,p-Xylene
Concen: 24.851 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 106 Resp: 148305
Ion Ratio Lower Upper
106 100
91 207.3 146.7 272.4

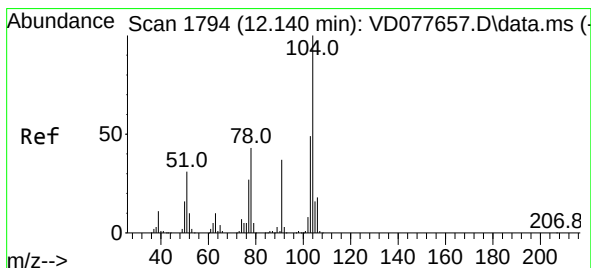
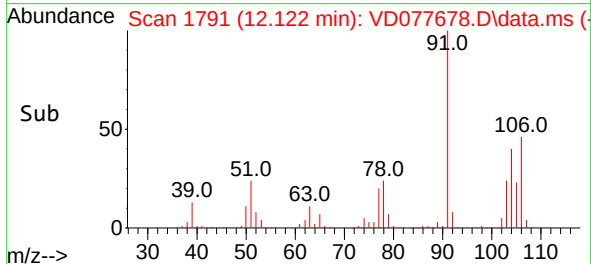
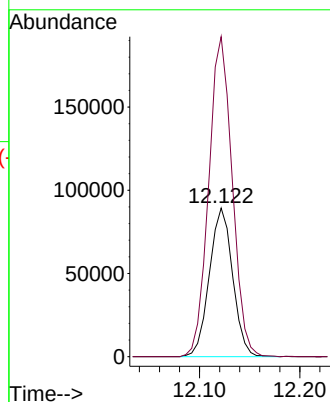
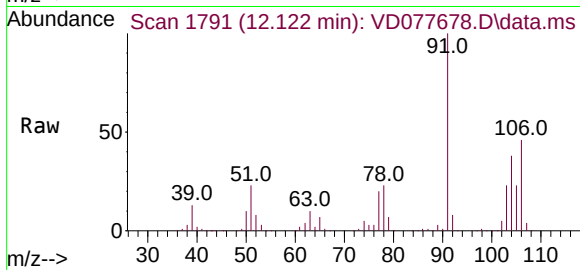




#54
o-Xylene
Concen: 25.216 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

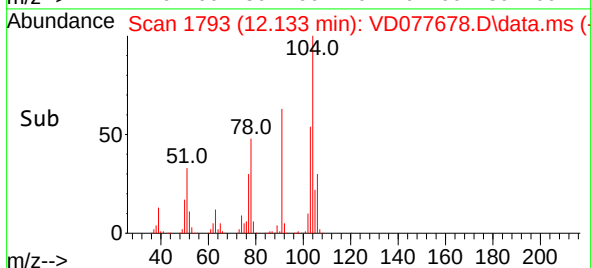
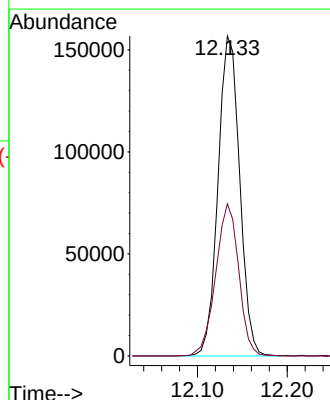
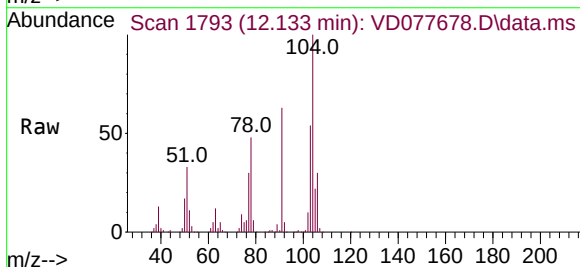
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

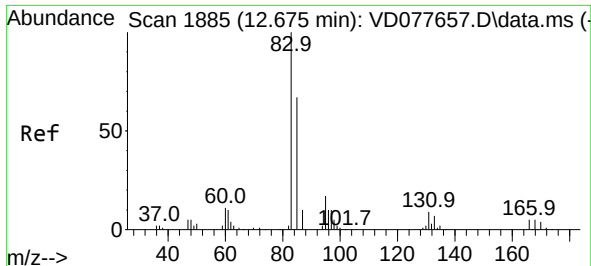
Tgt Ion:106 Resp: 144124
Ion Ratio Lower Upper
106 100
91 215.2 158.5 294.4



#55
Styrene
Concen: 26.307 ug/L
RT: 12.133 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion:104 Resp: 262534
Ion Ratio Lower Upper
104 100
78 47.5 34.9 64.9

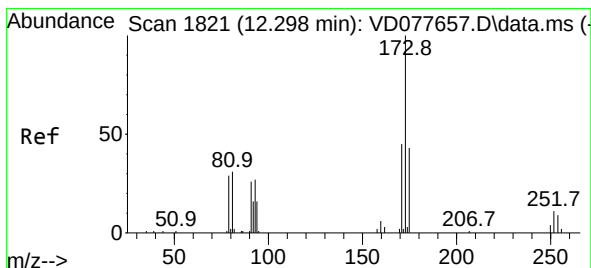
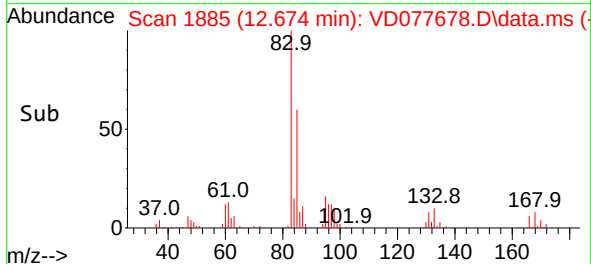
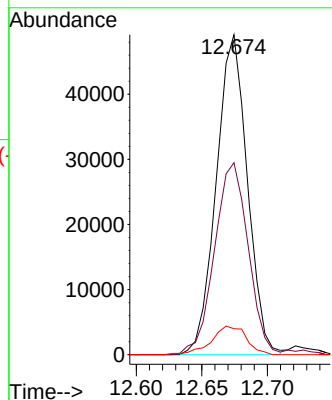
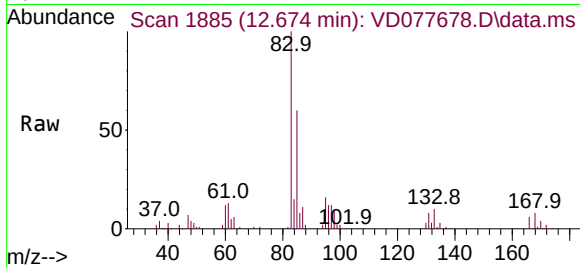




#57
1,1,2,2-Tetrachloroethane
Concen: 28.468 ug/L
RT: 12.674 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

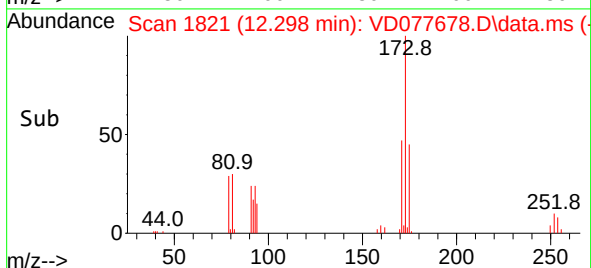
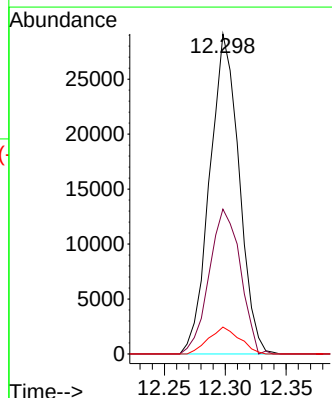
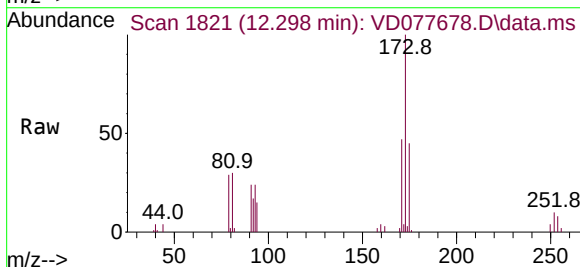
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

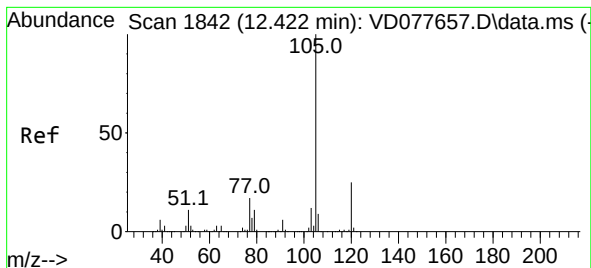
Tgt Ion: 83 Resp: 80899
Ion Ratio Lower Upper
83 100
85 60.0 44.9 83.3
131 8.1 7.2 10.8



#59
Bromoform
Concen: 26.193 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion: 173 Resp: 48723
Ion Ratio Lower Upper
173 100
175 47.9 38.2 57.2
254 8.8 7.1 10.7





#60

Isopropylbenzene

Concen: 22.657 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

EY1G7MSD

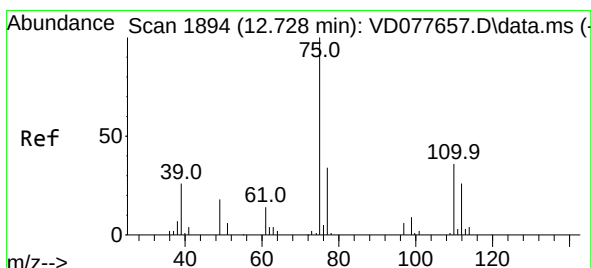
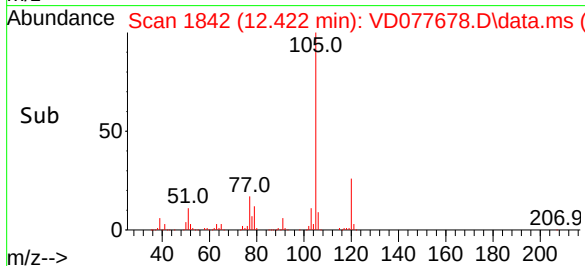
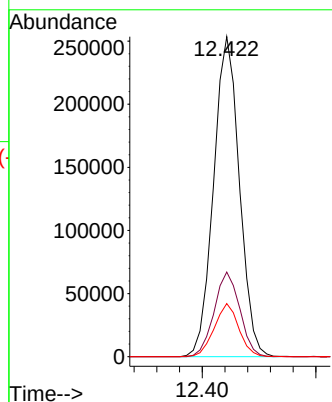
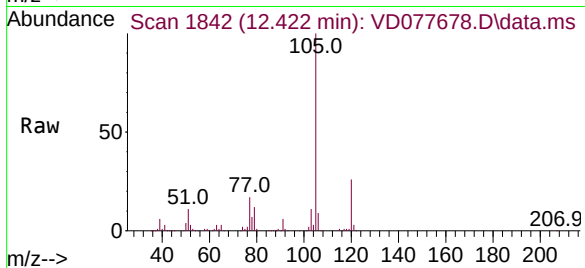
Tgt Ion:105 Resp: 399844

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

77 15.8 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 24.549 ug/L

RT: 12.727 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

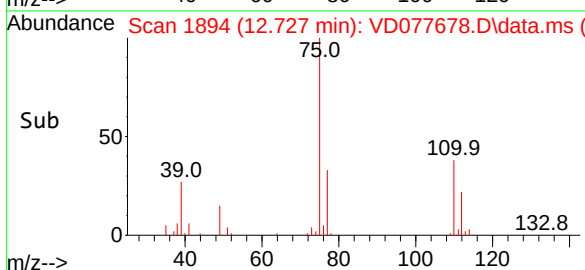
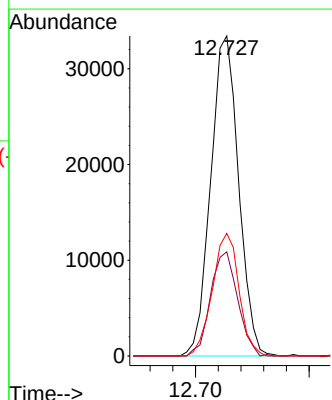
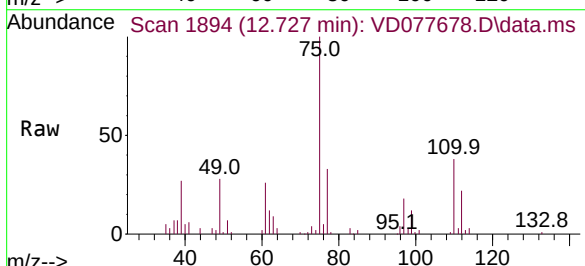
Tgt Ion: 75 Resp: 57052

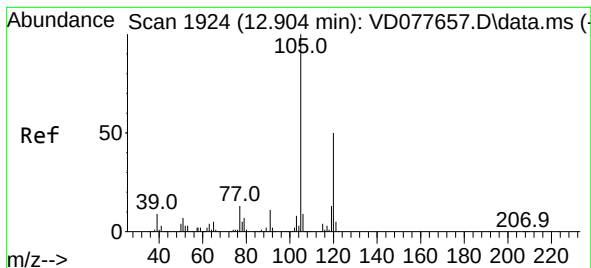
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

110 36.6 29.6 44.4





#62

1,3,5-Trimethylbenzene

Concen: 22.652 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

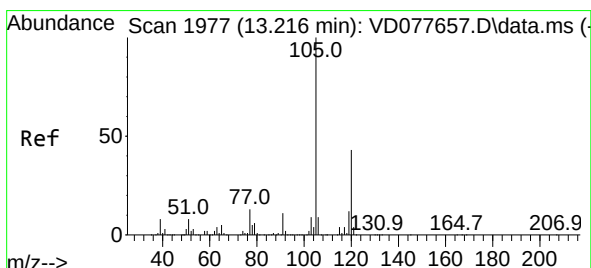
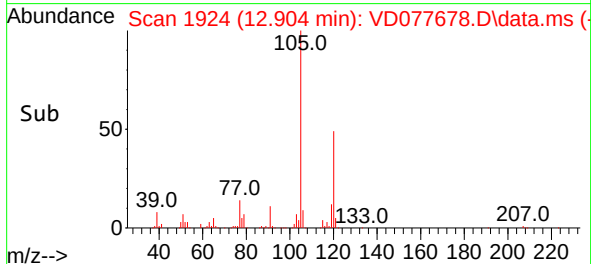
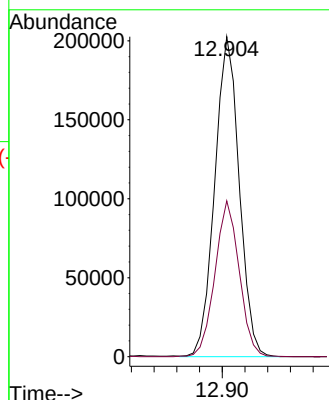
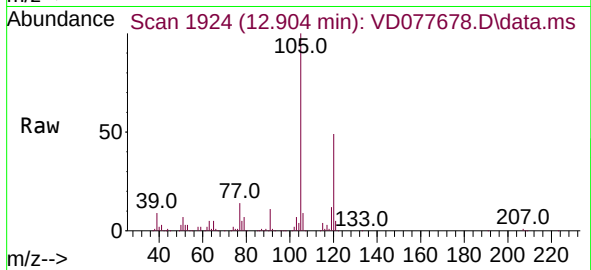
EY1G7MSD

Tgt Ion:105 Resp: 303397

Ion Ratio Lower Upper

105 100

120 48.2 37.8 56.6



#63

1,2,4-Trimethylbenzene

Concen: 22.893 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. -0.006 min

Lab File: VD077678.D

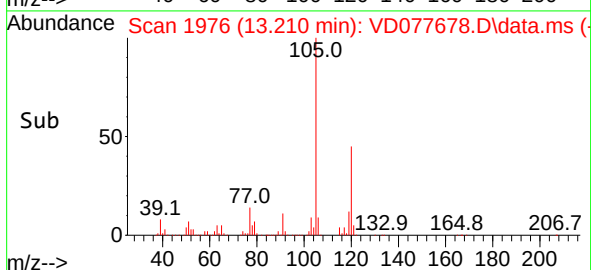
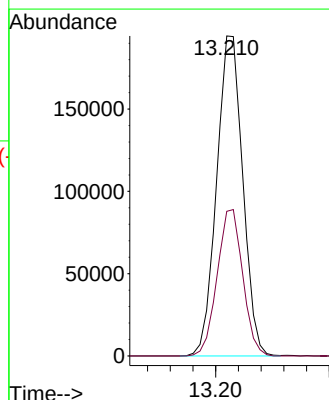
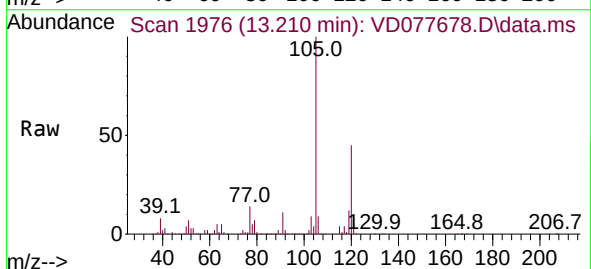
Acq: 22 Nov 2023 19:04

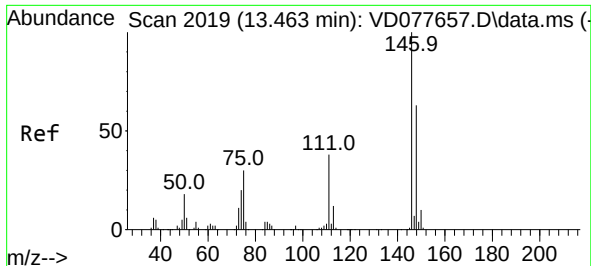
Tgt Ion:105 Resp: 310595

Ion Ratio Lower Upper

105 100

120 44.8 35.6 53.4

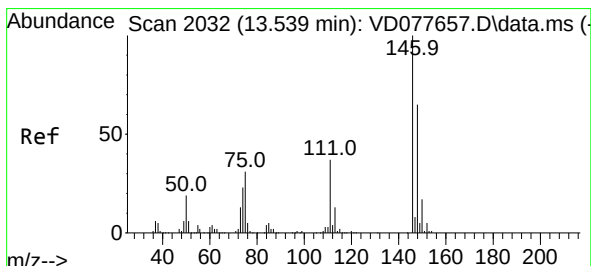
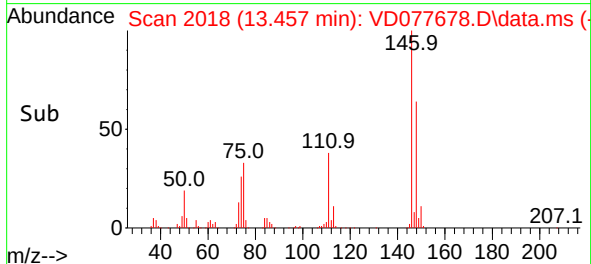
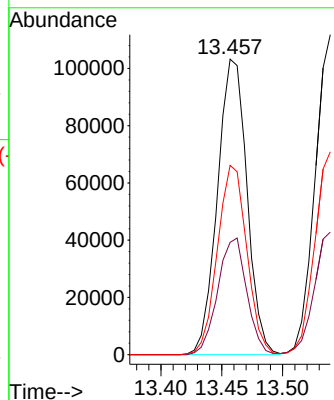
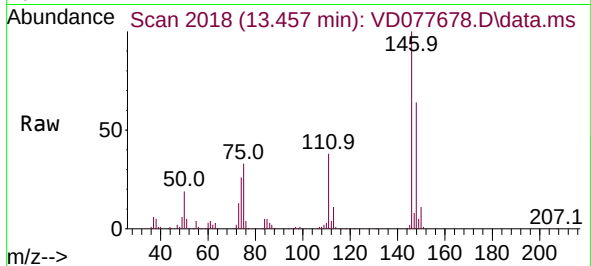




#64
1,3-Dichlorobenzene
Concen: 24.083 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

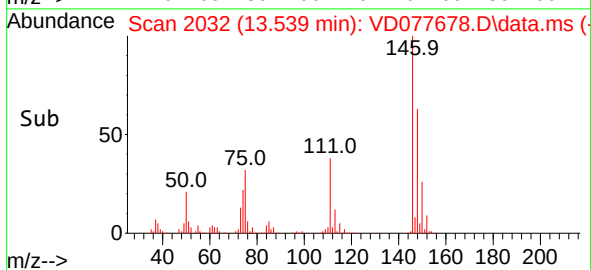
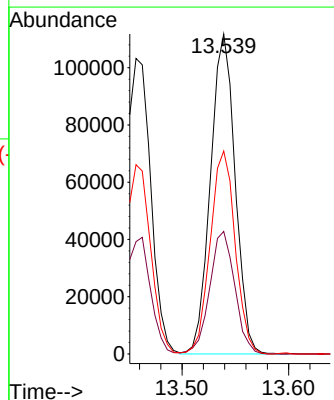
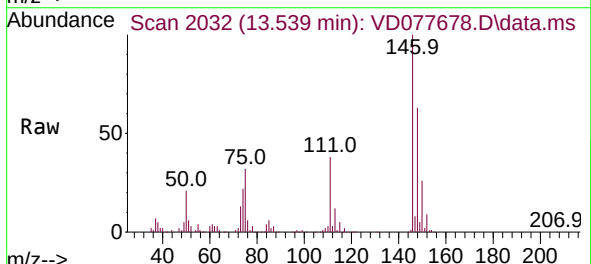
Instrument :
MSVOA_D
ClientSampleId :
EY1G7MSD

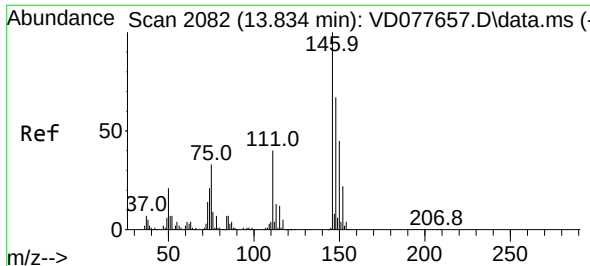
Tgt Ion:146 Resp: 174358
Ion Ratio Lower Upper
146 100
111 38.0 27.2 50.6
148 64.1 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 24.636 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077678.D
Acq: 22 Nov 2023 19:04

Tgt Ion:146 Resp: 180001
Ion Ratio Lower Upper
146 100
111 38.3 25.6 47.4
148 63.4 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 25.125 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

EY1G7MSD

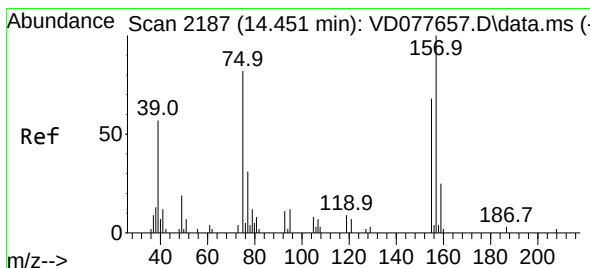
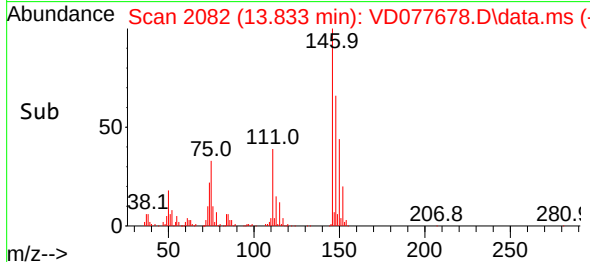
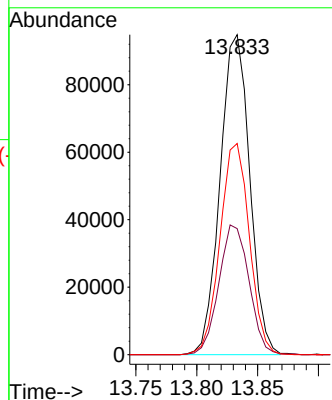
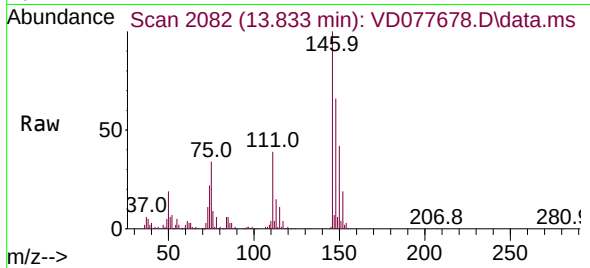
Tgt Ion:146 Resp: 160823

Ion Ratio Lower Upper

146 100

111 39.4 33.8 50.6

148 66.0 54.3 81.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.957 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

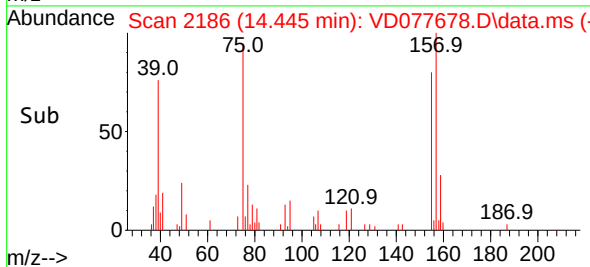
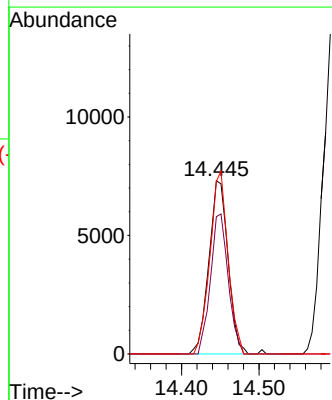
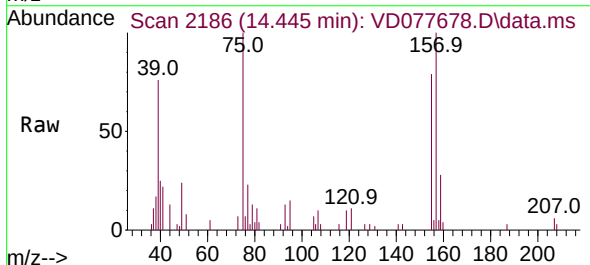
Tgt Ion: 75 Resp: 12616

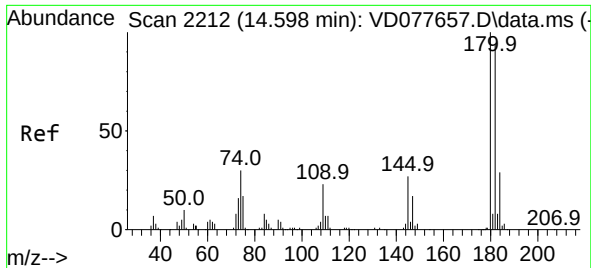
Ion Ratio Lower Upper

75 100

155 79.3 58.2 87.2

157 99.6 68.7 103.1

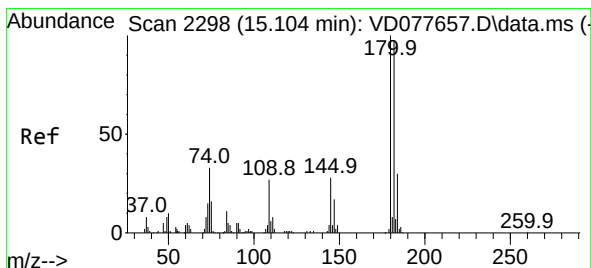
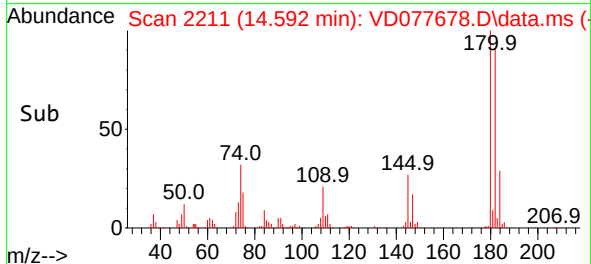
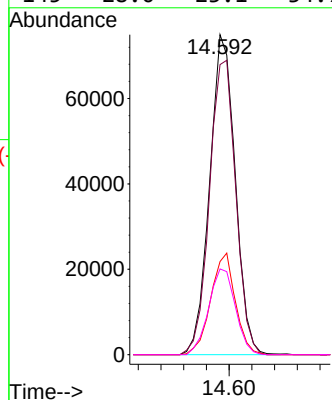
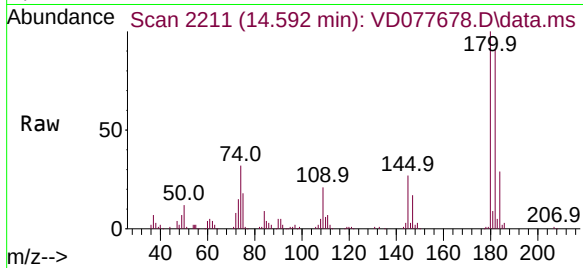




#69
 1,3,5-Trichlorobenzene
 Concen: 23.730 ug/L
 RT: 14.592 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VD077678.D
 Acq: 22 Nov 2023 19:04

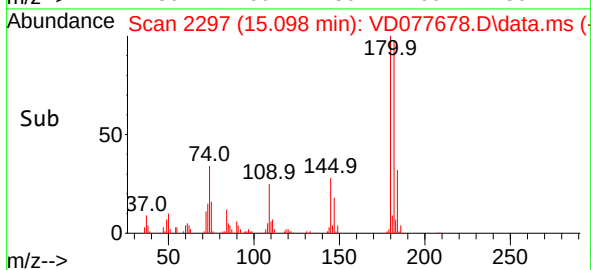
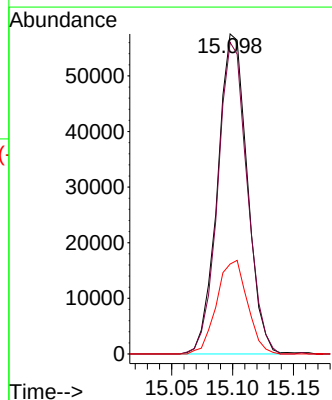
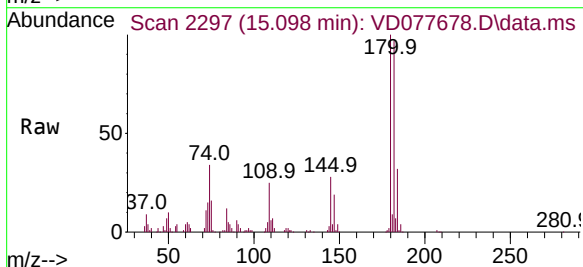
Instrument :
 MSVOA_D
 ClientSampleId :
 EY1G7MSD

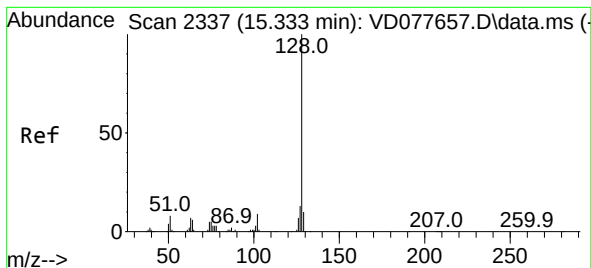
Tgt Ion:180 Resp: 116981
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.1 114.1
 184 30.7 24.0 36.0
 145 28.0 23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 23.524 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD077678.D
 Acq: 22 Nov 2023 19:04

Tgt Ion:180 Resp: 97735
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.8 113.6
 145 30.2 24.1 36.1





#71

Naphthalene

Concen: 24.693 ug/L

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Instrument :

MSVOA_D

ClientSampleId :

EY1G7MSD

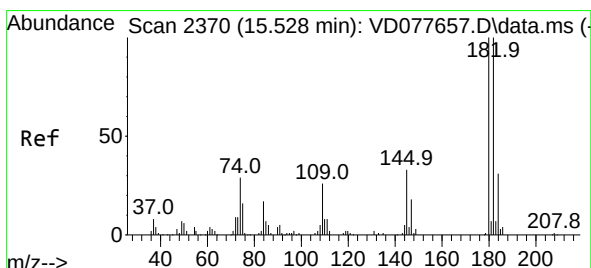
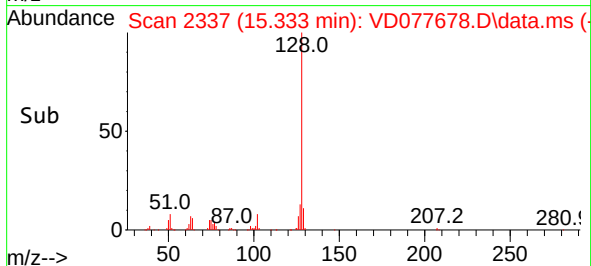
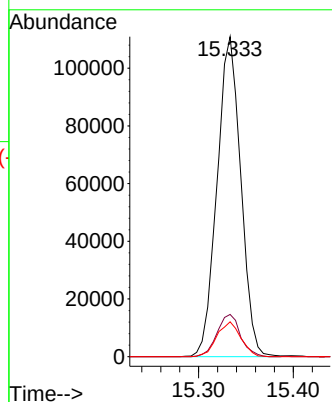
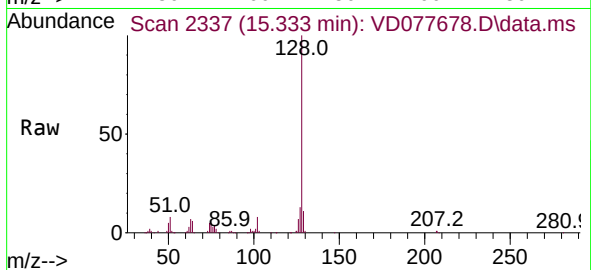
Tgt Ion:128 Resp: 193345

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.0 9.0 13.6



#72

1,2,3-Trichlorobenzene

Concen: 25.448 ug/L

RT: 15.521 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD077678.D

Acq: 22 Nov 2023 19:04

Tgt Ion:180 Resp: 90149

Ion Ratio Lower Upper

180 100

182 95.2 76.8 115.2

145 31.0 26.0 39.0

