

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111723\
 Data File : VD077616.D
 Acq On : 17 Nov 2023 16:35
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:39:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM110923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 18 00:25:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	257530	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	241603	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	120213	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	120553	18.402	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.600%
7) Chloroethane-d5	2.805	69	110827	21.534	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.120%
11) 1,1-Dichloroethene-d2	3.922	65	35627	17.587	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.360%
21) 2-Butanone-d5	6.993	46	56690	49.981	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.960%
24) Chloroform-d	7.569	84	183283	24.637	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.560%
26) 1,2-Dichloroethane-d4	8.234	65	96144	24.296	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	8.205	84	344135	21.946	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	9.210	67	117307	22.967	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.880%
41) Toluene-d8	10.269	98	303813	21.441	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.760%
43) trans-1,3-Dichloroprop...	10.522	79	46145	20.953	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.800%
47) 2-Hexanone-d5	10.875	63	46870	51.296	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.600%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	90697	26.801	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.200%
66) 1,2-Dichlorobenzene-d4	13.816	152	101598	23.757	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	89131	21.490	ug/L	99
3) Chloromethane	2.152	50	140978	23.626	ug/L	96
5) Vinyl chloride	2.287	62	159861	23.736	ug/L	98
6) Bromomethane	2.693	94	95806	26.720	ug/L	92
8) Chloroethane	2.840	64	108000	25.794	ug/L	92
9) Trichlorofluoromethane	3.175	101	151479	24.715	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	87814	23.282	ug/L #	47
12) 1,1-Dichloroethene	3.940	96	86165	23.528	ug/L	98
13) Acetone	4.016	43	47398	39.755	ug/L	98
14) Carbon disulfide	4.275	76	278815	21.143	ug/L	97
15) Methyl Acetate	4.564	43	46260	23.585	ug/L	97
16) Methylene chloride	4.805	84	112476	25.868	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	95845	24.879	ug/L	96
18) Methyl tert-butyl Ether	5.316	73	231162	25.566	ug/L	100
19) 1,1-Dichloroethane	6.116	63	198952	25.740	ug/L	94
20) cis-1,2-Dichloroethene	7.081	96	109039	26.052	ug/L	98
22) 2-Butanone	7.081	43	62925	43.865	ug/L	99
23) Bromochloromethane	7.428	128	44861	26.675	ug/L	95
25) Chloroform	7.599	83	192250	27.075	ug/L	98

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 QLast Update : Sat Nov 18 00:25:31 2023
 Response via : Initial Calibration

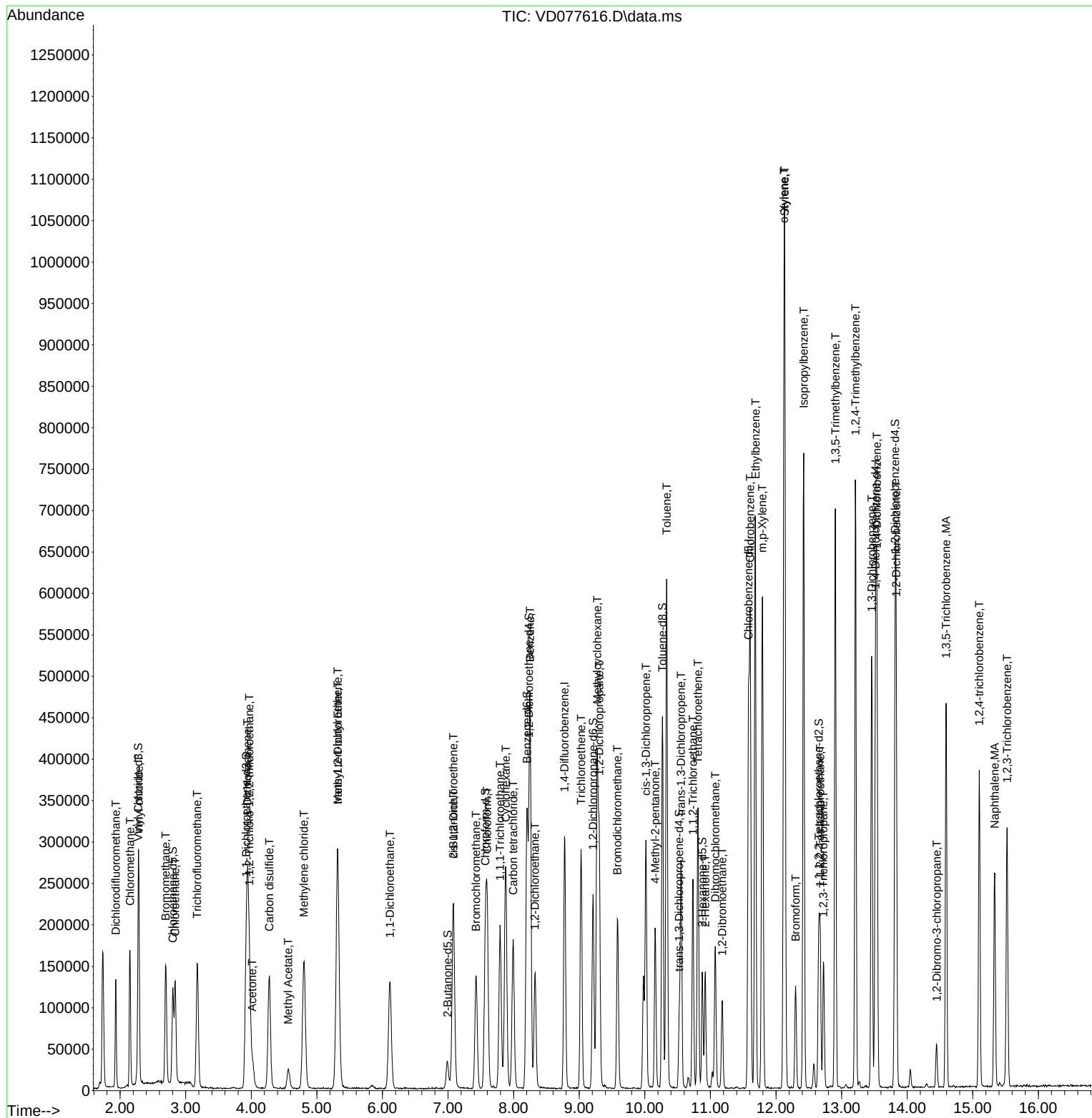
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	125718	26.709	ug/L	97
29) Cyclohexane	7.881	56	157616	20.093	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	156832	24.796	ug/L	97
31) Carbon tetrachloride	7.993	117	130948	24.091	ug/L	97
33) Benzene	8.252	78	421138	25.136	ug/L	100
34) Trichloroethene	9.028	95	101635	24.481	ug/L	93
35) Methylcyclohexane	9.275	83	162113	21.639	ug/L	97
37) 1,2-Dichloropropane	9.304	63	119145	25.580	ug/L	100
38) Bromodichloromethane	9.581	83	137856	25.803	ug/L	96
39) cis-1,3-Dichloropropene	10.016	75	177860	24.850	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	135666	47.797	ug/L	99
42) Toluene	10.334	91	450130	25.590	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	148642	25.134	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	74111	26.030	ug/L	95
46) Tetrachloroethene	10.810	164	73640	24.107	ug/L	97
48) 2-Hexanone	10.922	43	92402	41.071	ug/L	97
49) Dibromochloromethane	11.075	129	87794	27.147	ug/L	98
50) 1,2-Dibromoethane	11.181	107	69585	25.558	ug/L	91
51) Chlorobenzene	11.604	112	270826	26.280	ug/L	98
52) Ethylbenzene	11.687	91	502667	25.971	ug/L	96
53) m,p-Xylene	11.793	106	181723	25.801	ug/L	97
54) o-Xylene	12.122	106	182144	27.002	ug/L	96
55) Styrene	12.134	104	321730	27.316	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	91488	27.278	ug/L	98
59) Bromoform	12.298	173	52154	25.446	ug/L	98
60) Isopropylbenzene	12.422	105	487873	25.090	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	63593	24.835	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	364545	24.702	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	385218	25.769	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	208656	26.156	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	209616	26.037	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	185493	26.301	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.451	75	13327	23.927	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	140289	25.828	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	118269	25.835	ug/L	98
71) Naphthalene	15.334	128	213790	24.780	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	102601	26.286	ug/L	98

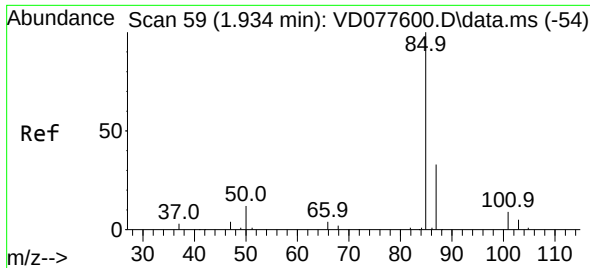
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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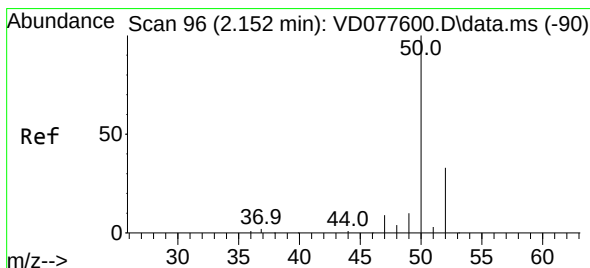
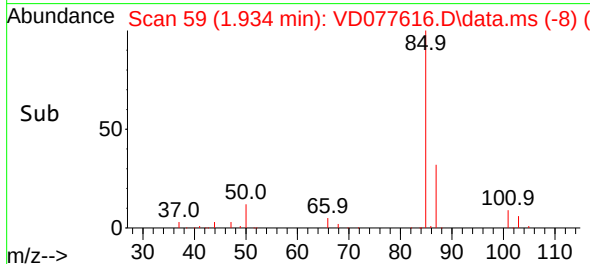
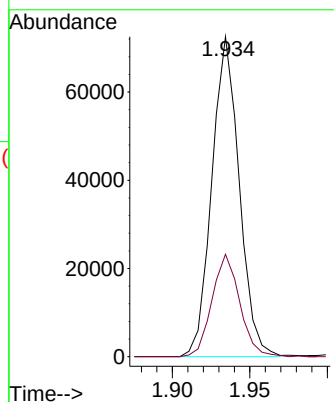
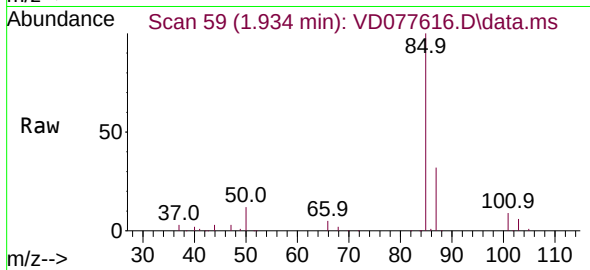




#2
Dichlorodifluoromethane
Concen: 21.490 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

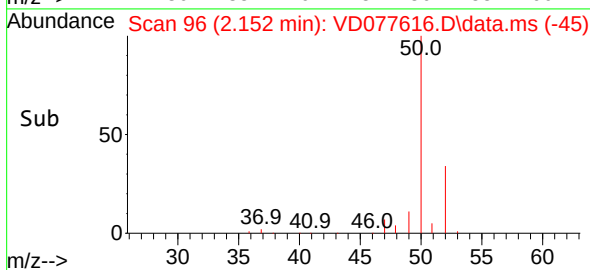
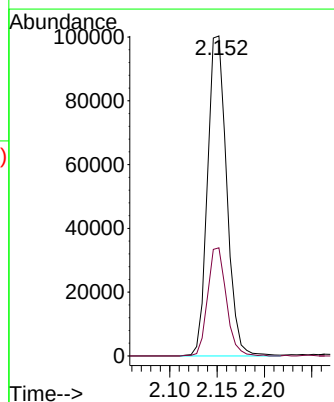
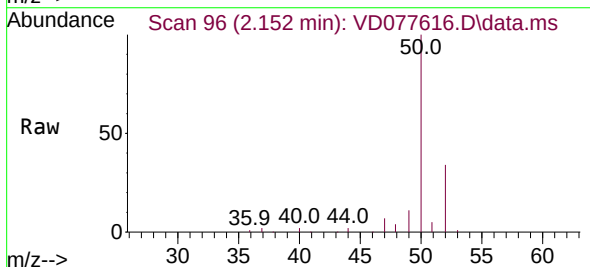
Instrument :
MSVOA_D
ClientSampleId :

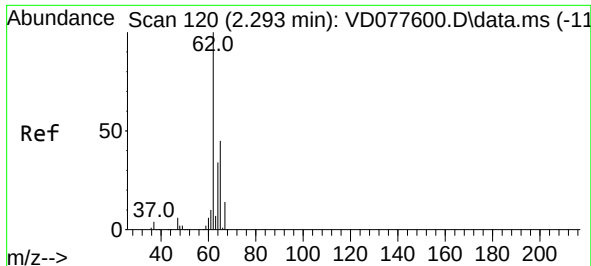
Tgt Ion: 85 Resp: 89131
Ion Ratio Lower Upper
85 100
87 32.3 26.2 39.2



#3
Chloromethane
Concen: 23.626 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 50 Resp: 140978
Ion Ratio Lower Upper
50 100
52 33.8 22.1 41.1

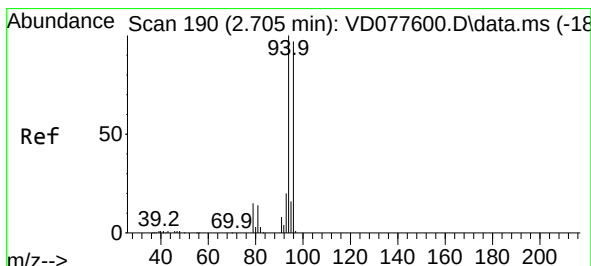
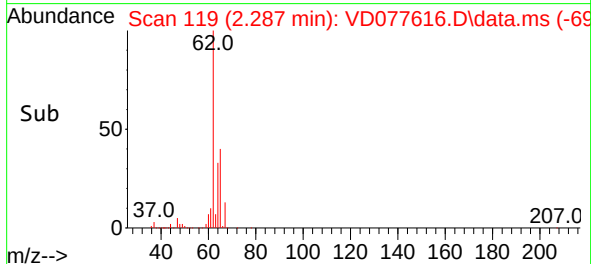
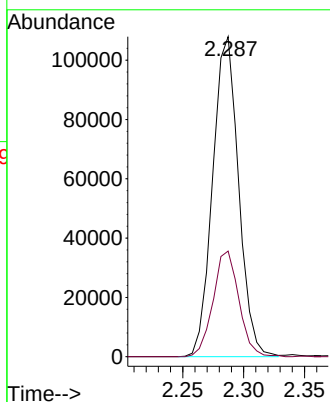
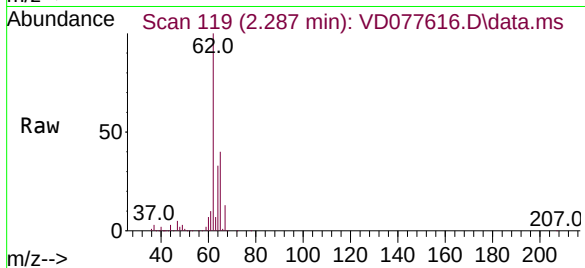




#5
 Vinyl chloride
 Concen: 23.736 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD077616.D
 Acq: 17 Nov 2023 16:35

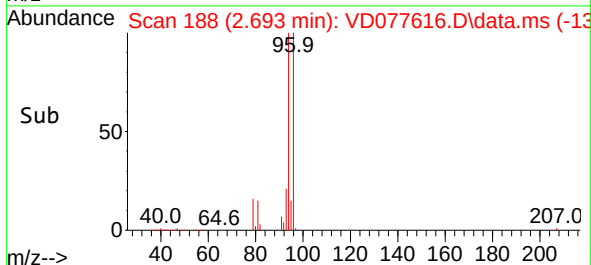
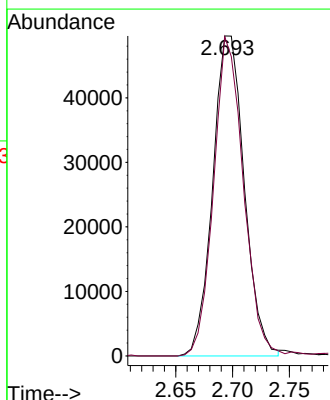
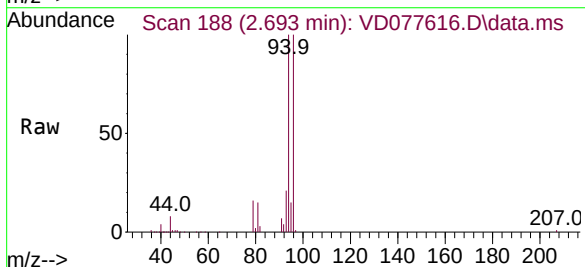
Instrument :
 MSVOA_D
 ClientSampleId :

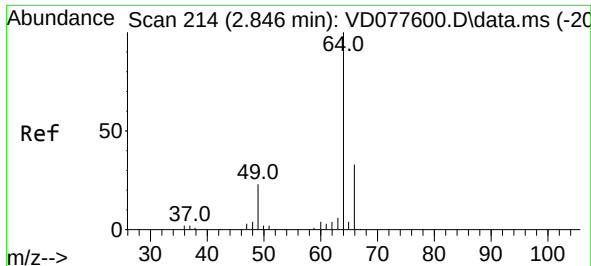
Tgt Ion: 62 Resp: 159861
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.9 44.5



#6
 Bromomethane
 Concen: 26.720 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.012 min
 Lab File: VD077616.D
 Acq: 17 Nov 2023 16:35

Tgt Ion: 94 Resp: 95806
 Ion Ratio Lower Upper
 94 100
 96 99.7 64.5 119.9





#8

Chloroethane

Concen: 25.794 ug/L

RT: 2.840 min Scan# 214

Delta R.T. -0.006 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

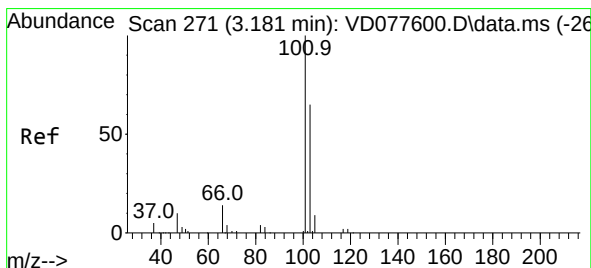
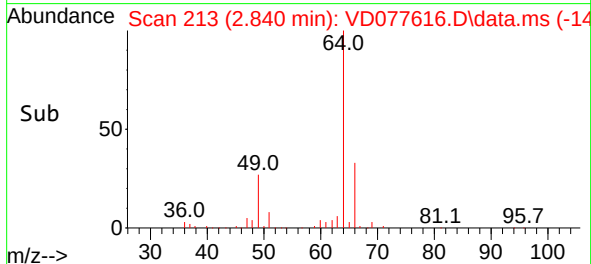
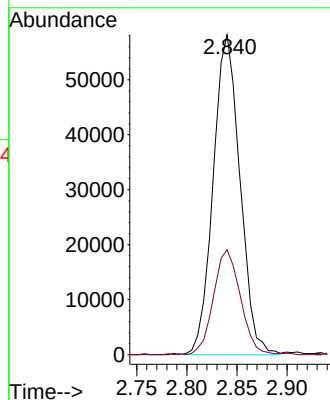
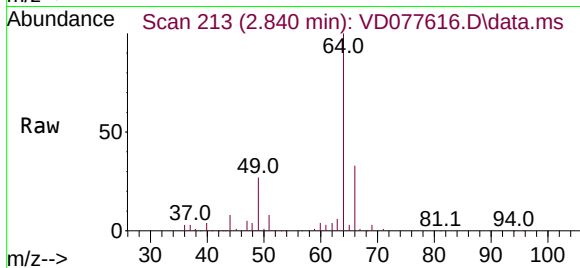
ClientSampleId :

Tgt Ion: 64 Resp: 108000

Ion Ratio Lower Upper

64 100

66 32.8 19.8 36.8



#9

Trichlorofluoromethane

Concen: 24.715 ug/L

RT: 3.175 min Scan# 270

Delta R.T. -0.006 min

Lab File: VD077616.D

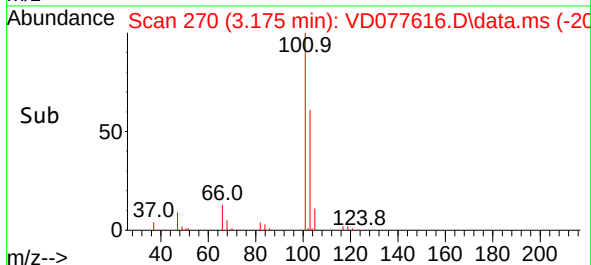
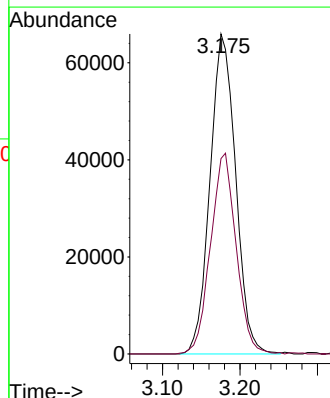
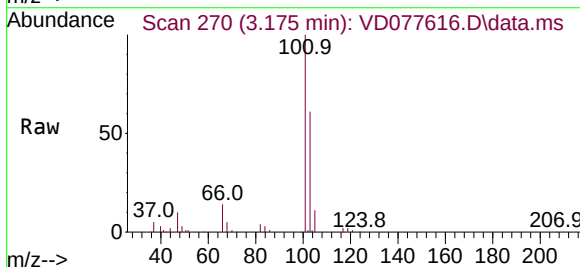
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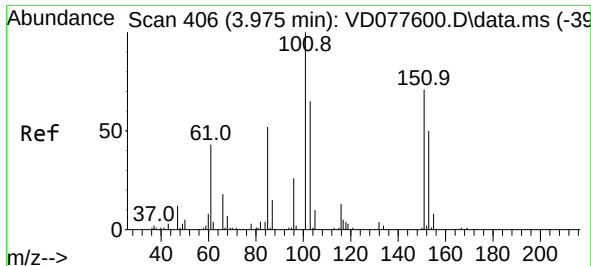
Tgt Ion:101 Resp: 151479

Ion Ratio Lower Upper

101 100

103 62.7 51.9 77.9

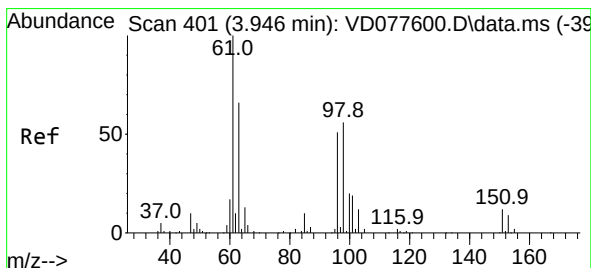
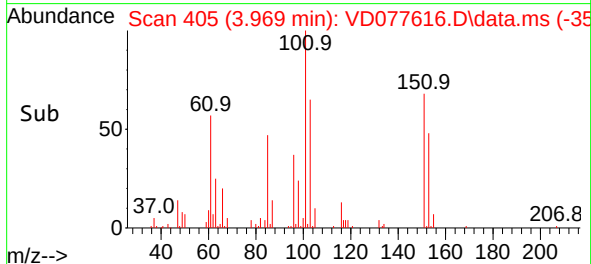
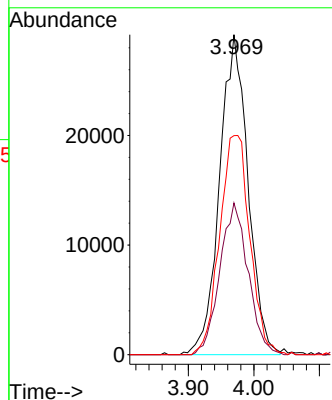
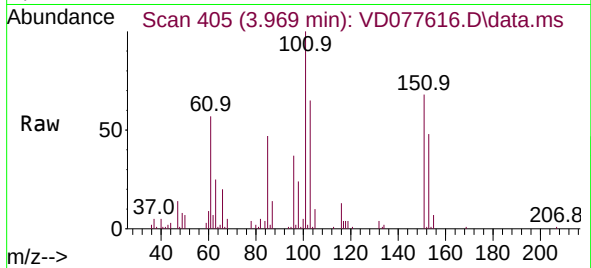




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.282 ug/L
RT: 3.969 min Scan# 406
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

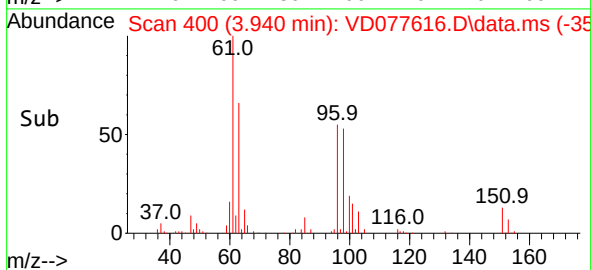
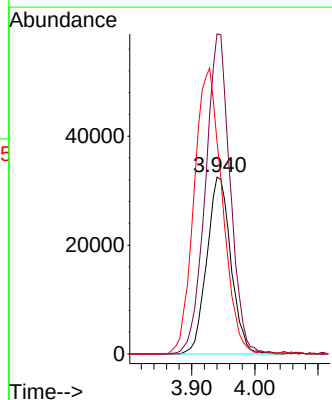
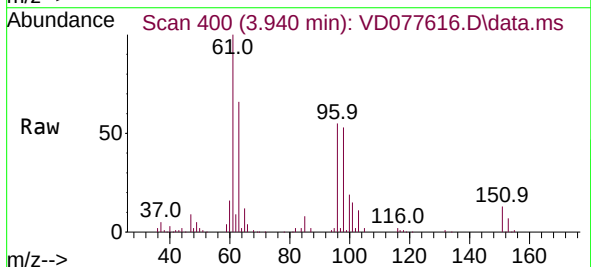
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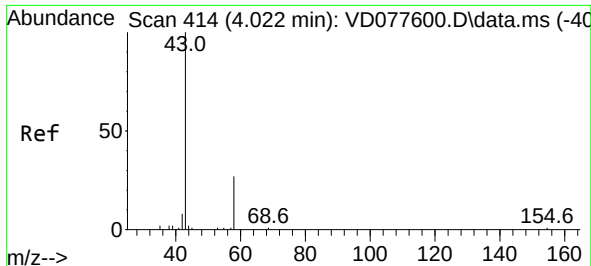
Tgt Ion:101 Resp: 87814
Ion Ratio Lower Upper
101 100
85 47.2 36.8 55.2
151 0.0 56.6 84.8#



#12
1,1-Dichloroethene
Concen: 23.528 ug/L
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 96 Resp: 86165
Ion Ratio Lower Upper
96 100
61 181.0 127.5 236.9
63 120.1 86.4 160.4





#13

Acetone

Concen: 39.755 ug/L

RT: 4.016 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

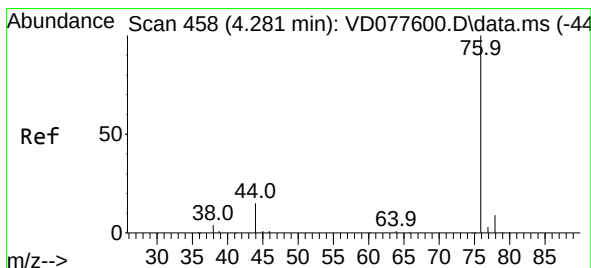
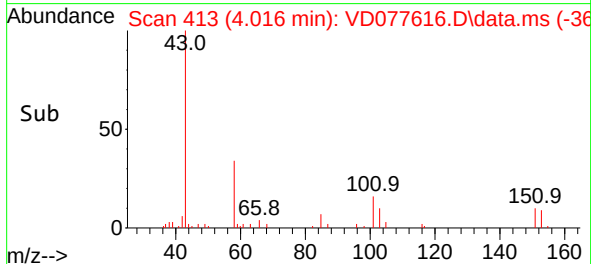
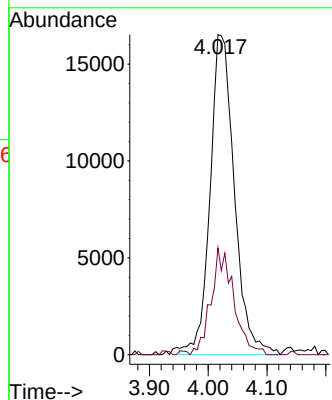
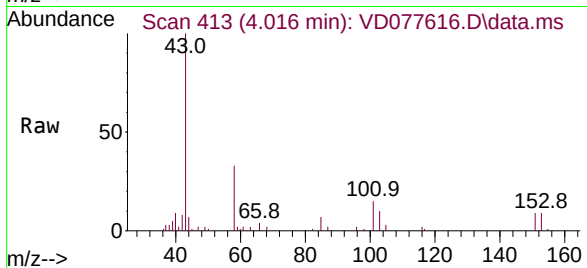
ClientSampleId :

Tgt Ion: 43 Resp: 47398

Ion Ratio Lower Upper

43 100

58 30.8 0.0 64.0



#14

Carbon disulfide

Concen: 21.143 ug/L

RT: 4.275 min Scan# 457

Delta R.T. -0.006 min

Lab File: VD077616.D

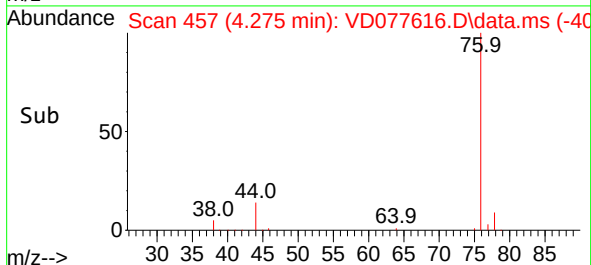
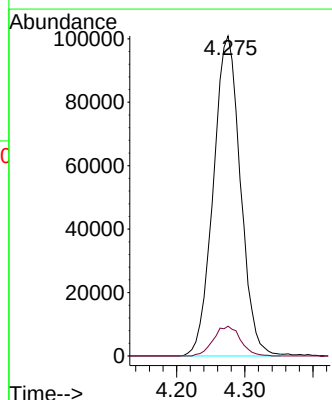
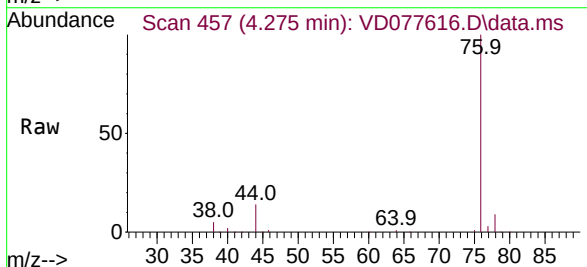
Acq: 17 Nov 2023 16:35

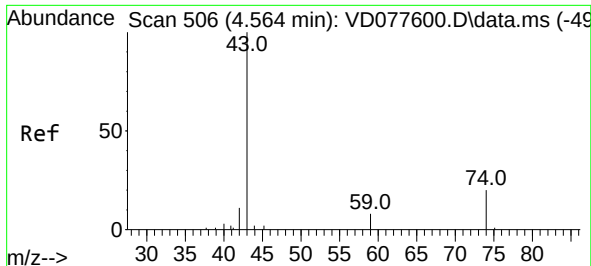
Tgt Ion: 76 Resp: 278815

Ion Ratio Lower Upper

76 100

78 9.5 6.9 10.3

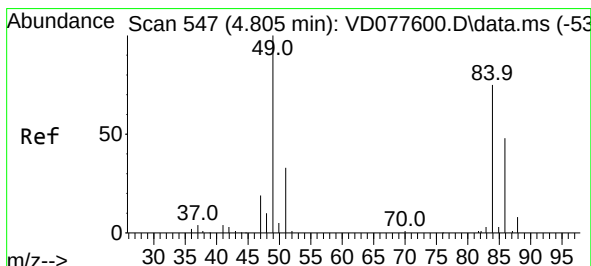
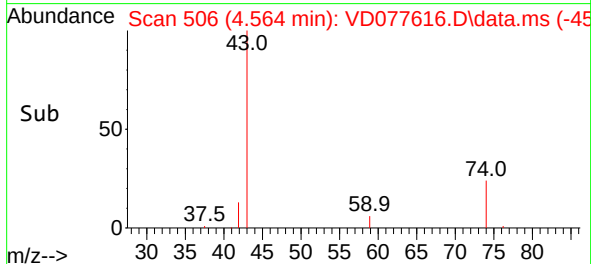
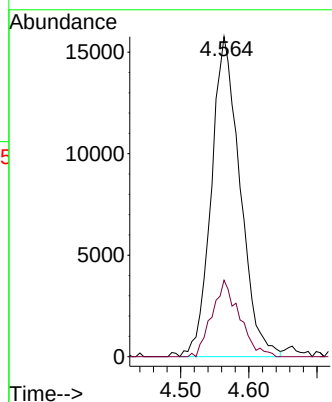
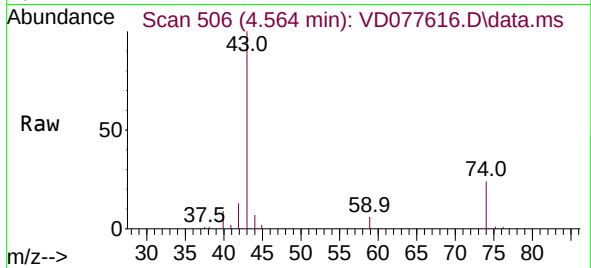




#15
Methyl Acetate
Concen: 23.585 ug/L
RT: 4.564 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

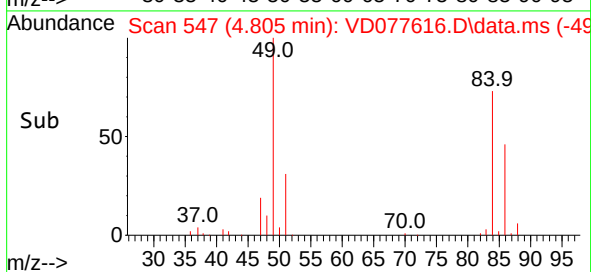
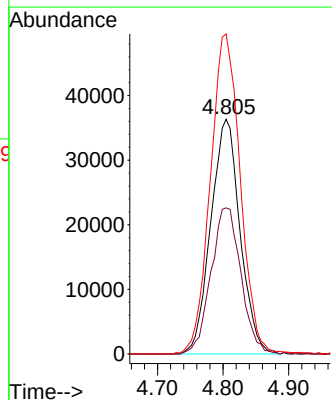
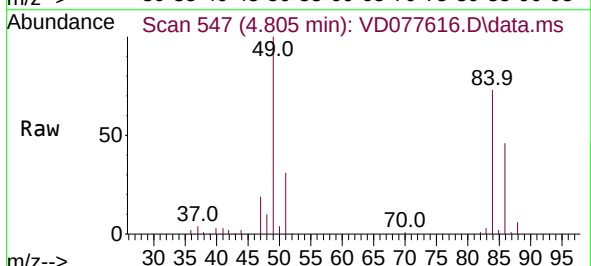
Instrument :
MSVOA_D
ClientSampleId :

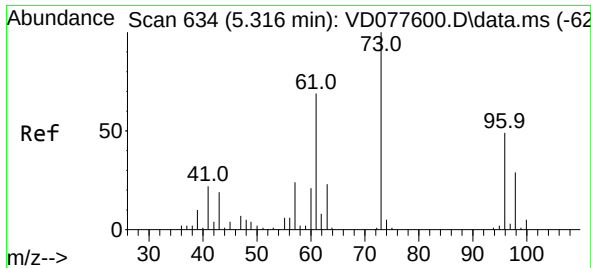
Tgt Ion: 43 Resp: 46260
Ion Ratio Lower Upper
43 100
74 22.0 16.6 24.8



#16
Methylene chloride
Concen: 25.868 ug/L
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 84 Resp: 112476
Ion Ratio Lower Upper
84 100
86 62.2 46.5 86.5
49 136.3 98.3 182.7

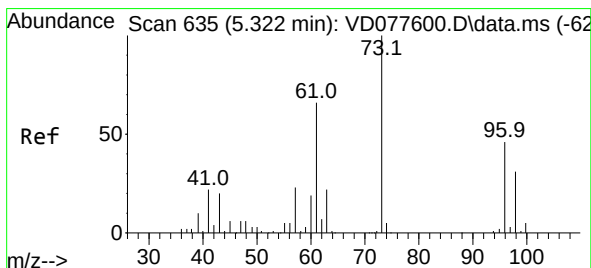
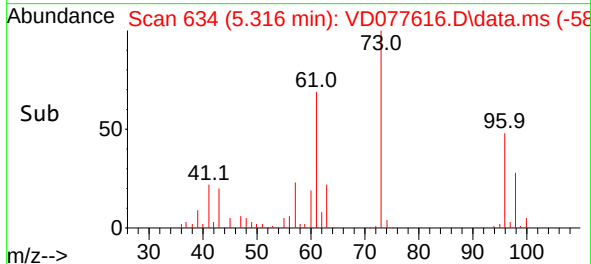
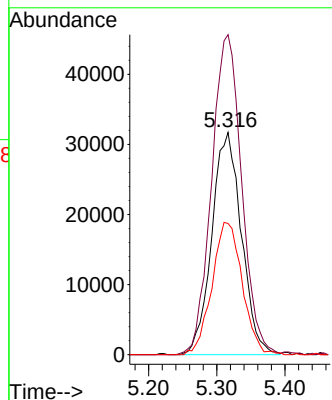
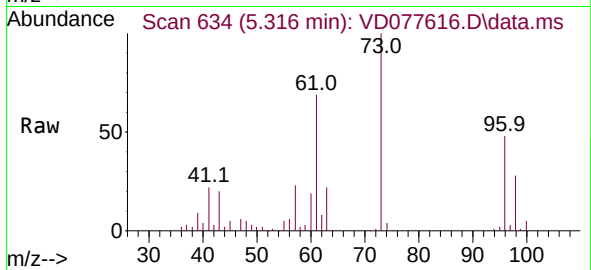




#17
trans-1,2-Dichloroethene
Concen: 24.879 ug/L
RT: 5.316 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

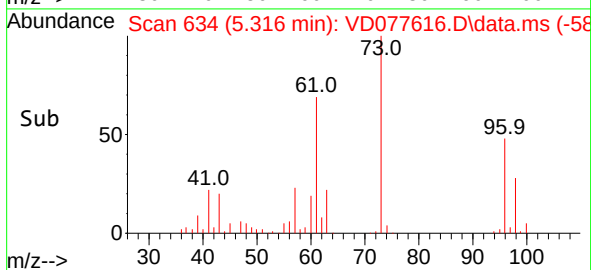
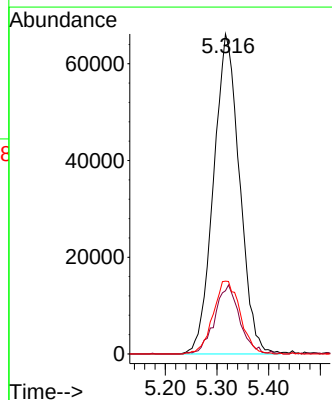
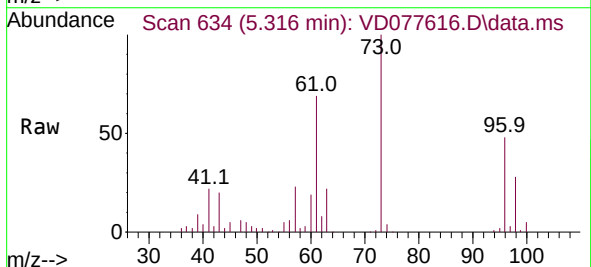
Instrument :
MSVOA_D
ClientSampleId :

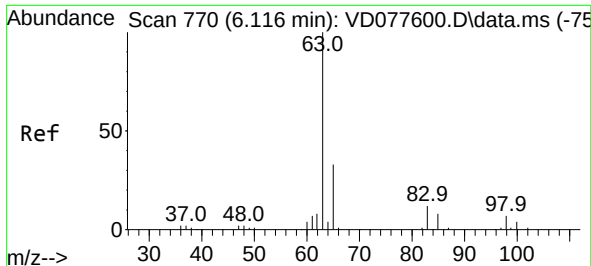
Tgt Ion: 96 Resp: 95845
Ion Ratio Lower Upper
96 100
61 144.0 104.0 193.2
98 59.0 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 25.566 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 73 Resp: 231162
Ion Ratio Lower Upper
73 100
43 20.4 16.4 24.6
57 23.7 19.3 28.9

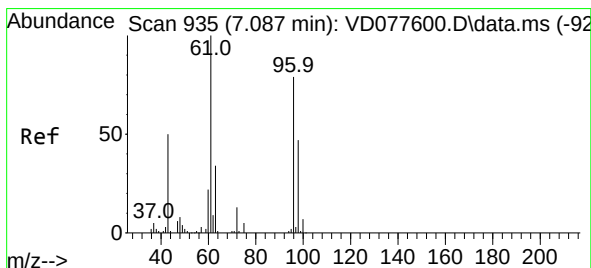
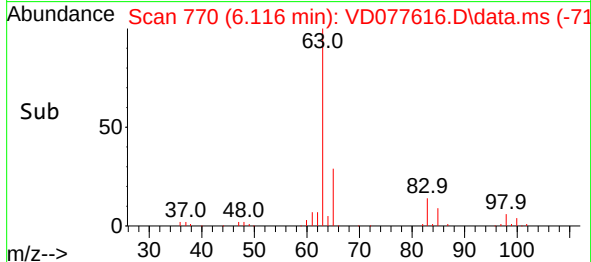
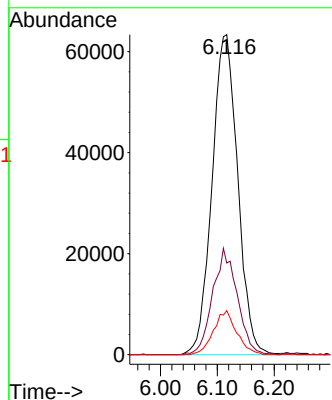
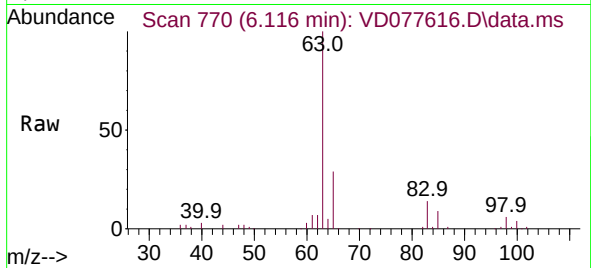




#19
1,1-Dichloroethane
Concen: 25.740 ug/L
RT: 6.116 min Scan# 71
Delta R.T. 0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

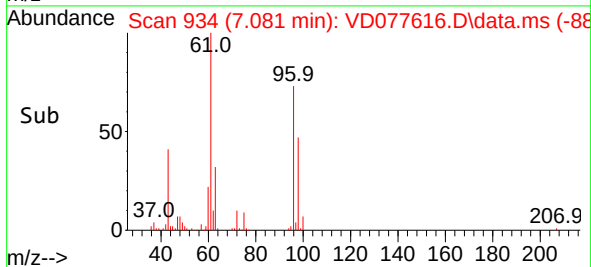
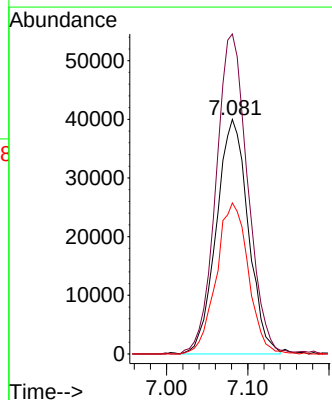
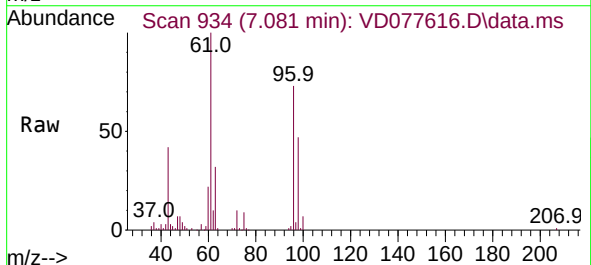
Instrument :
MSVOA_D
ClientSampleId :

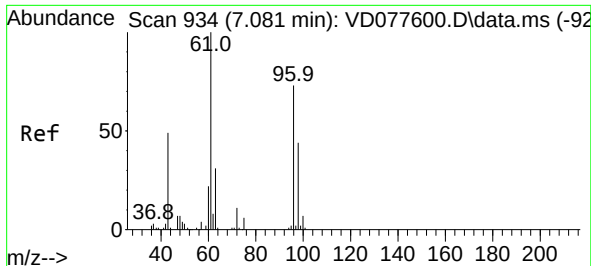
Tgt Ion: 63 Resp: 198952
Ion Ratio Lower Upper
63 100
65 28.7 22.6 42.0
83 13.7 8.8 16.3



#20
cis-1,2-Dichloroethene
Concen: 26.052 ug/L
RT: 7.081 min Scan# 934
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 96 Resp: 109039
Ion Ratio Lower Upper
96 100
61 136.4 95.0 176.4
98 64.4 43.1 80.1

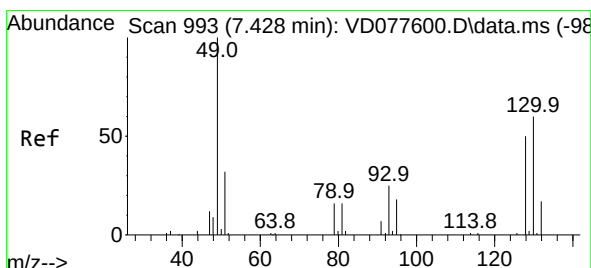
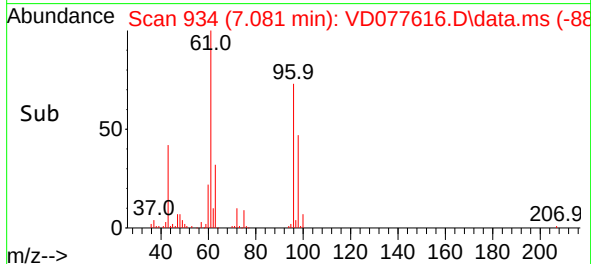
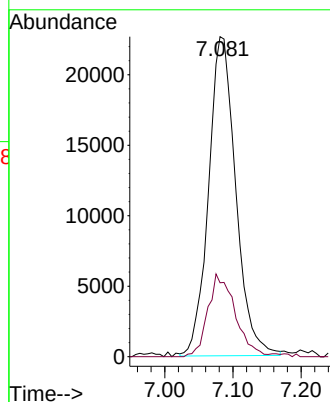
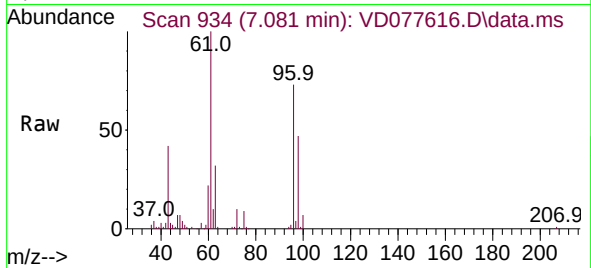




#22
2-Butanone
Concen: 43.865 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

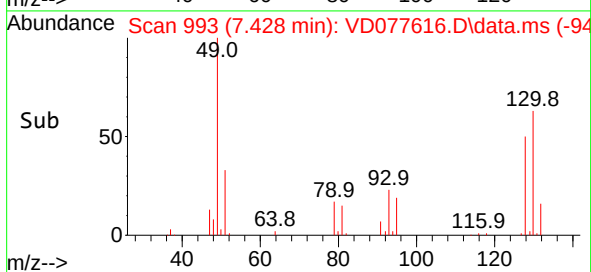
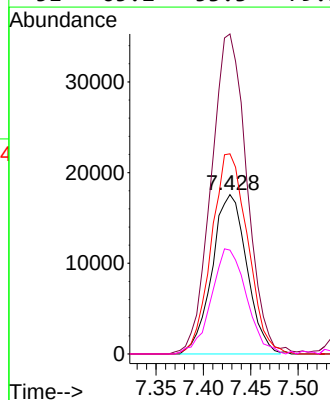
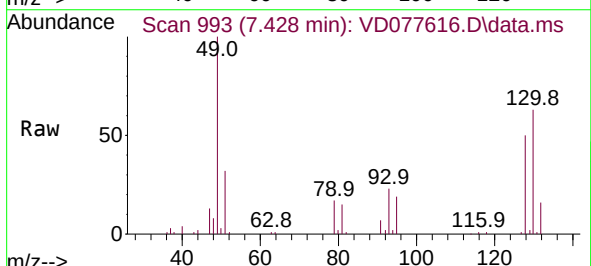
Instrument :
MSVOA_D
ClientSampleId :

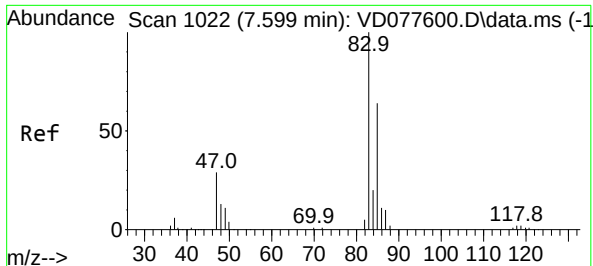
Tgt Ion: 43 Resp: 62925
Ion Ratio Lower Upper
43 100
72 25.9 12.8 38.4



#23
Bromochloromethane
Concen: 26.675 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion:128 Resp: 44861
Ion Ratio Lower Upper
128 100
49 200.9 146.7 272.5
130 125.6 83.2 154.6
51 65.2 53.3 79.9





#25

Chloroform

Concen: 27.075 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

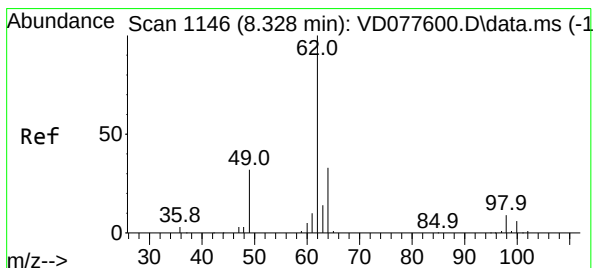
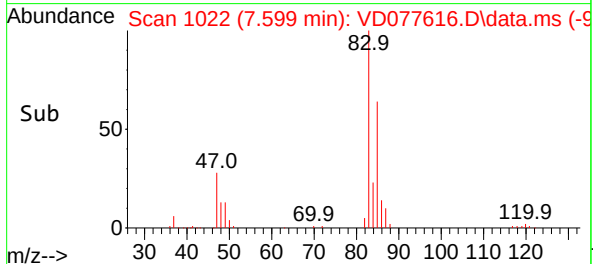
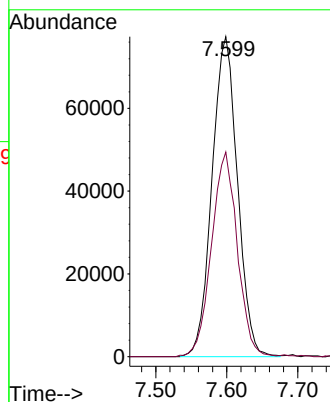
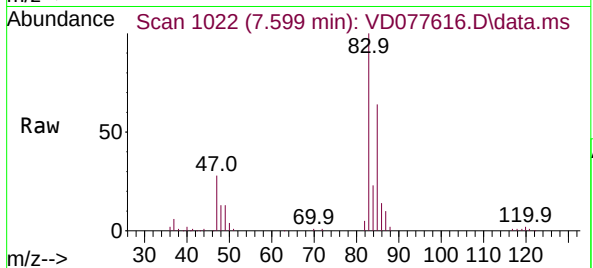
ClientSampleId :

Tgt Ion: 83 Resp: 192250

Ion Ratio Lower Upper

83 100

85 63.9 45.9 85.3



#27

1,2-Dichloroethane

Concen: 26.709 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD077616.D

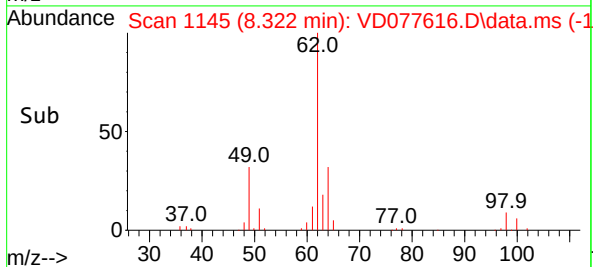
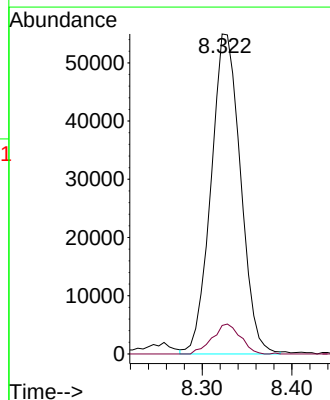
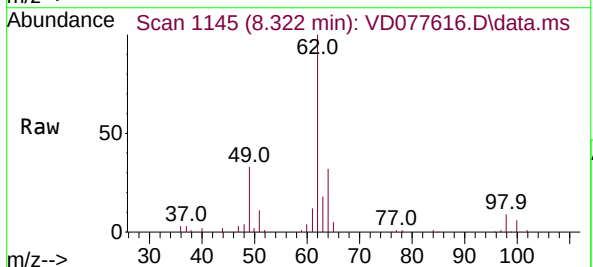
Acq: 17 Nov 2023 16:35

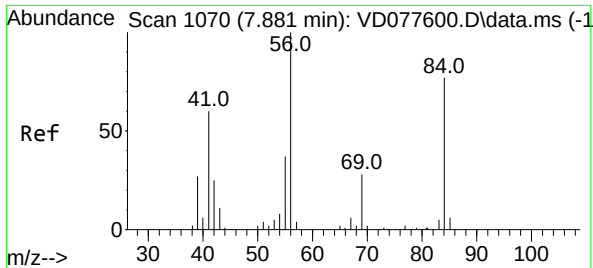
Tgt Ion: 62 Resp: 125718

Ion Ratio Lower Upper

62 100

98 8.9 8.0 12.0

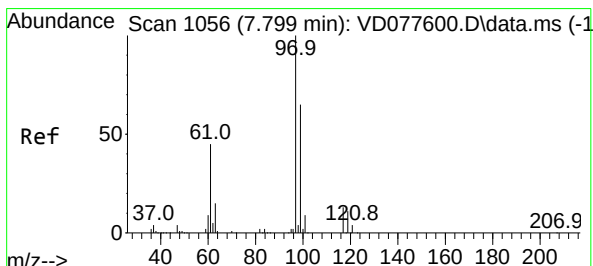
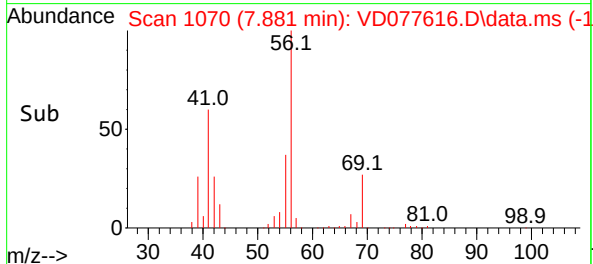
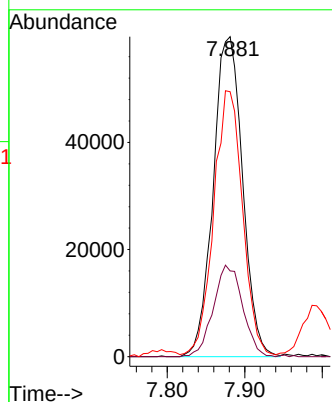
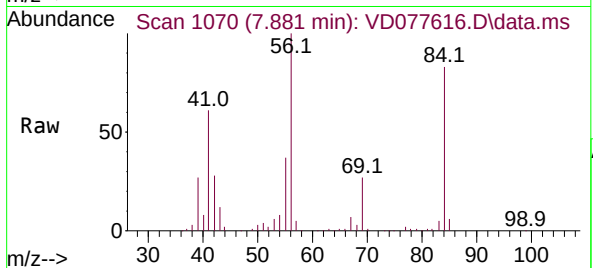




#29
Cyclohexane
Concen: 20.093 ug/L
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

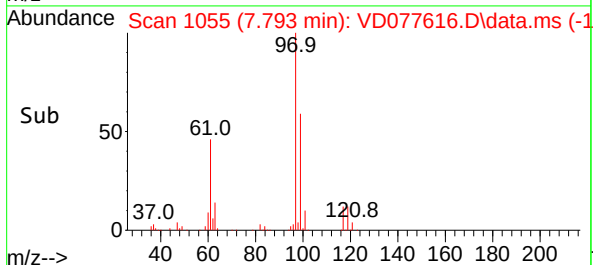
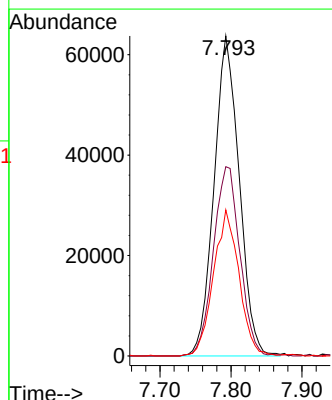
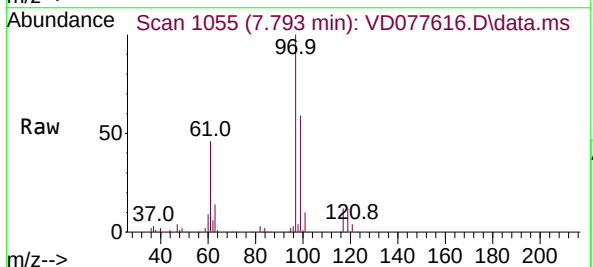
Instrument :
MSVOA_D
ClientSampleId :

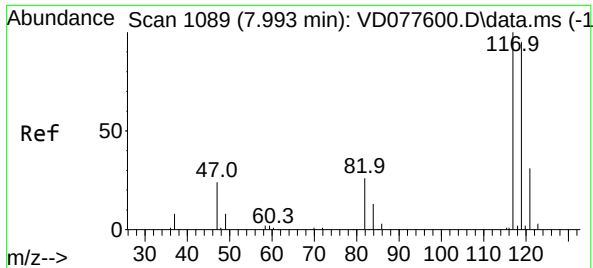
Tgt Ion:	56	Resp:	157616
Ion	Ratio	Lower	Upper
56	100		
69	28.4	22.6	33.8
84	81.9	63.3	94.9



#30
1,1,1-Trichloroethane
Concen: 24.796 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion:	97	Resp:	156832
Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.4	77.2
61	46.2	38.1	57.1

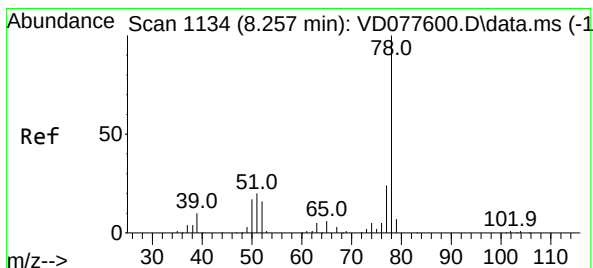
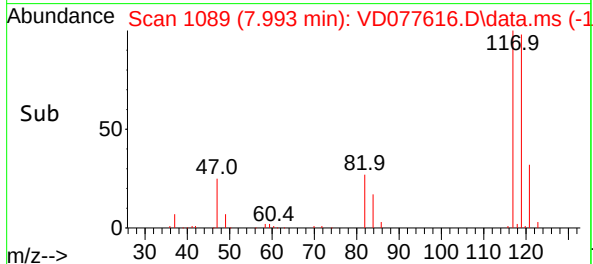
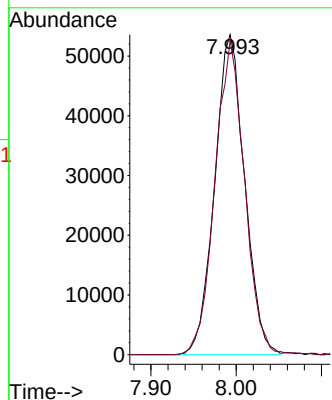
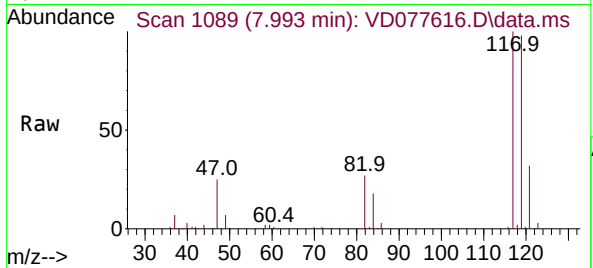




#31
Carbon tetrachloride
Concen: 24.091 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

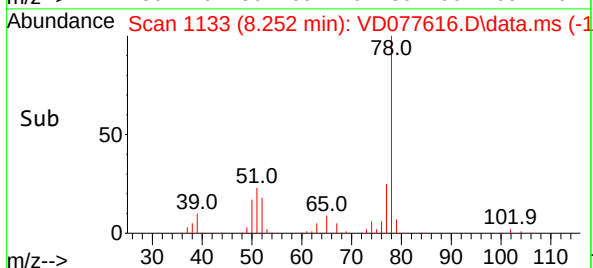
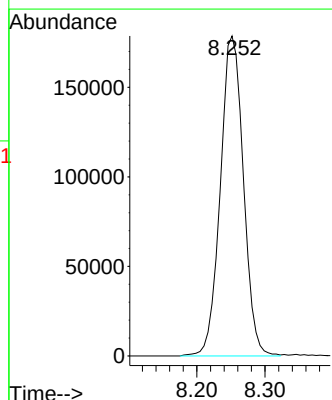
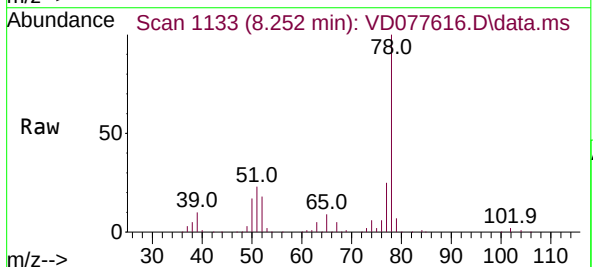
Instrument :
MSVOA_D
ClientSampleId :

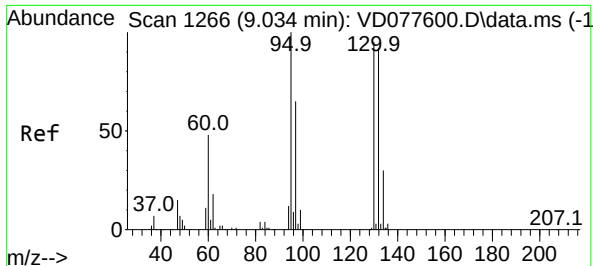
Tgt Ion:117 Resp: 130948
Ion Ratio Lower Upper
117 100
119 97.2 75.4 113.0



#33
Benzene
Concen: 25.136 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 78 Resp: 421138





#34

Trichloroethene

Concen: 24.481 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. -0.006 min

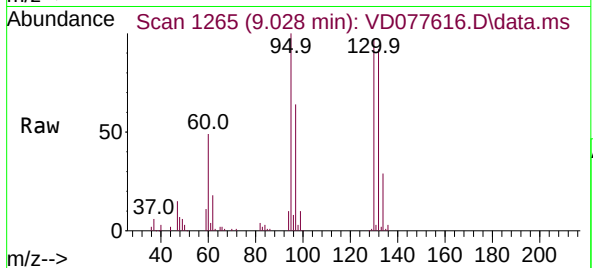
Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 95 Resp: 101635

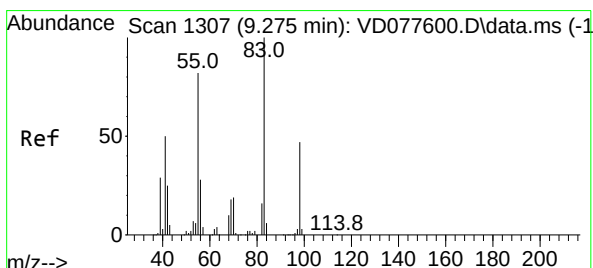
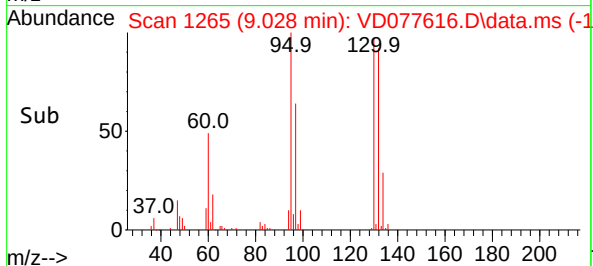
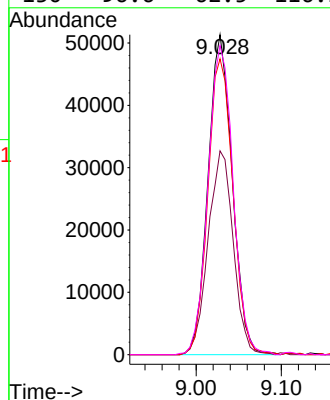
Ion Ratio Lower Upper

95 100

97 63.7 42.4 78.6

132 92.5 59.4 110.2

130 96.6 62.5 116.1



#35

Methylcyclohexane

Concen: 21.639 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

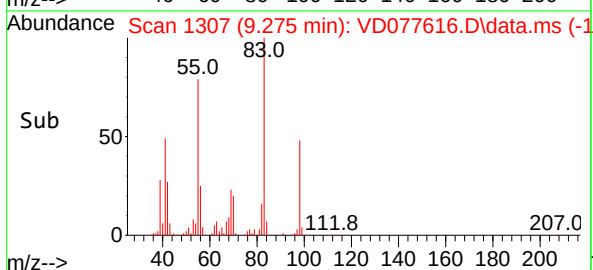
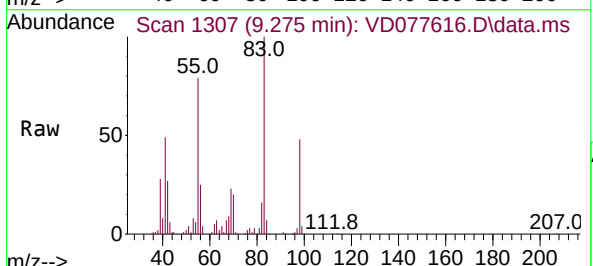
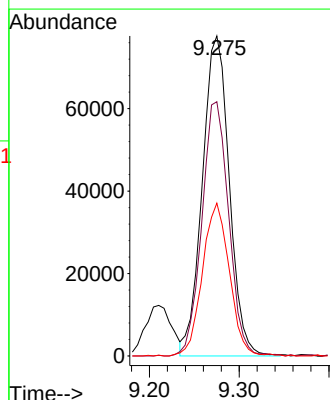
Tgt Ion: 83 Resp: 162113

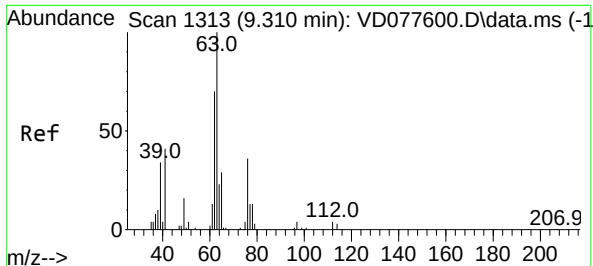
Ion Ratio Lower Upper

83 100

55 78.9 66.5 99.7

98 47.6 37.4 56.2





#37

1,2-Dichloropropane

Concen: 25.580 ug/L

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

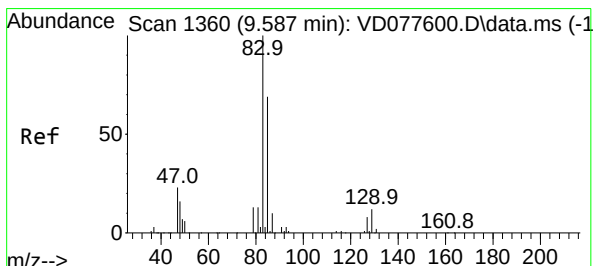
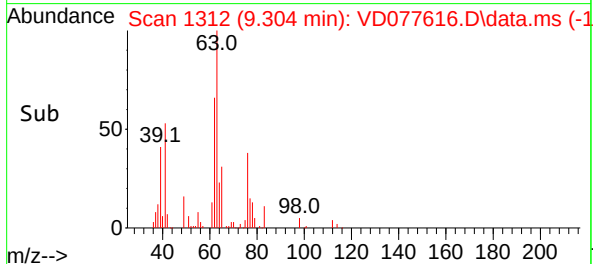
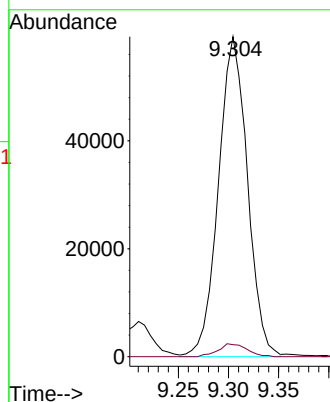
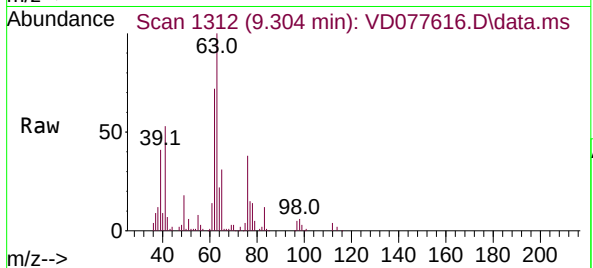
ClientSampleId :

Tgt Ion: 63 Resp: 119145

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 25.803 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

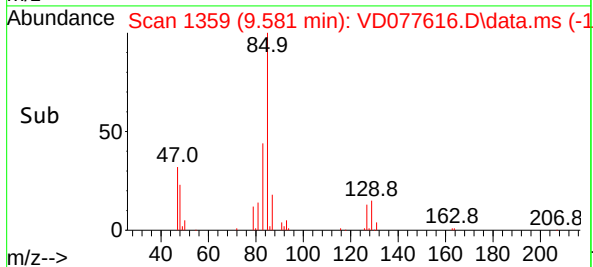
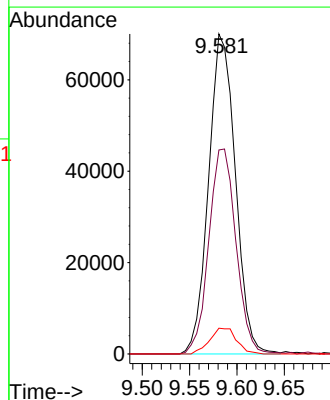
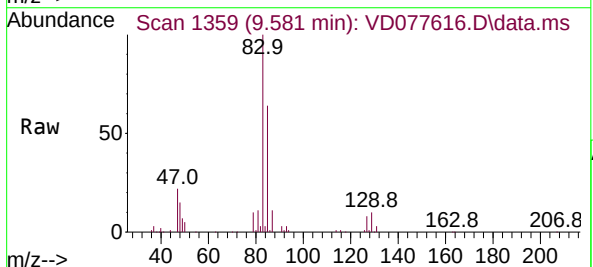
Tgt Ion: 83 Resp: 137856

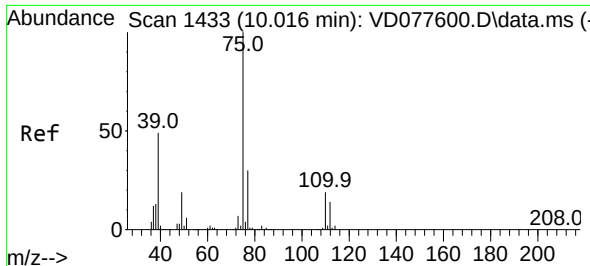
Ion Ratio Lower Upper

83 100

85 63.8 42.4 78.8

127 8.9 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 24.850 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

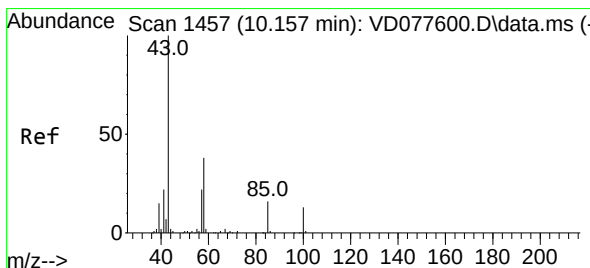
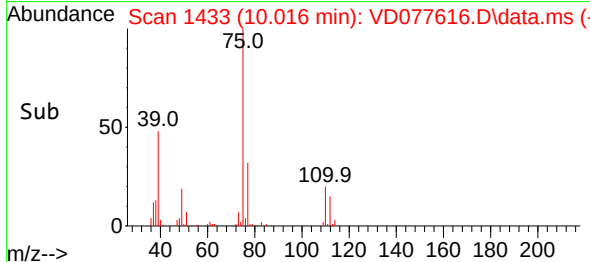
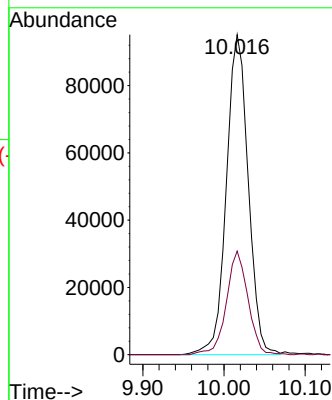
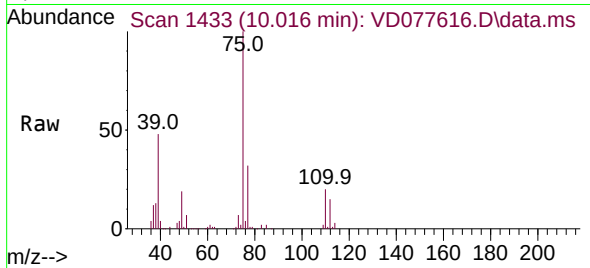
ClientSampleId :

Tgt Ion: 75 Resp: 177860

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 47.797 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

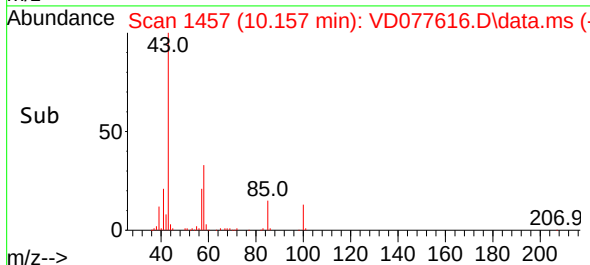
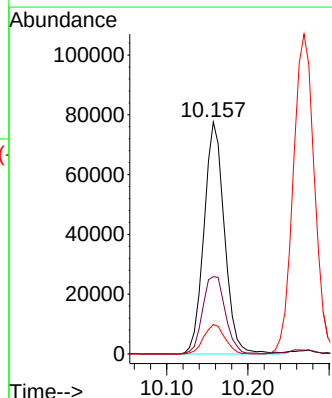
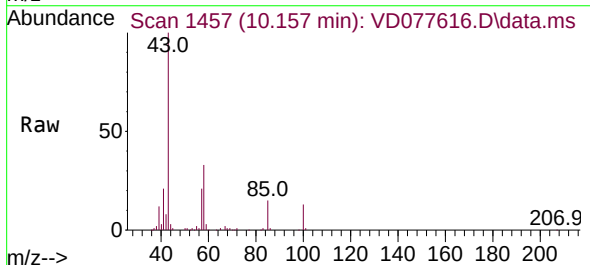
Tgt Ion: 43 Resp: 135666

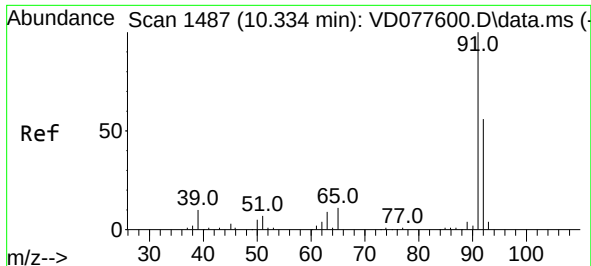
Ion Ratio Lower Upper

43 100

58 37.0 29.8 44.8

100 13.1 9.5 14.3

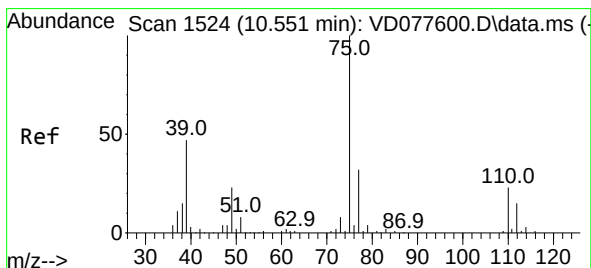
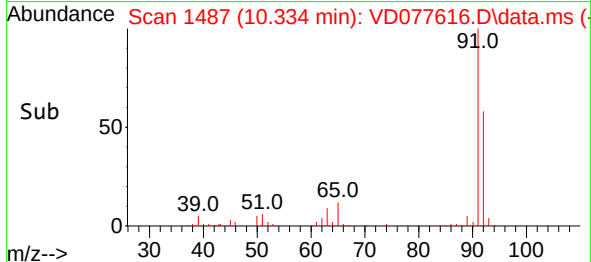
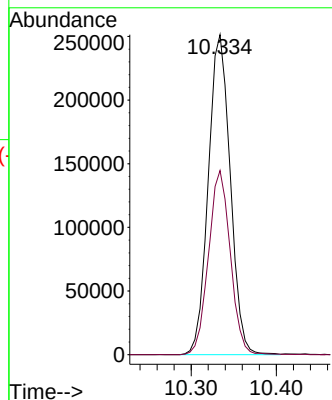
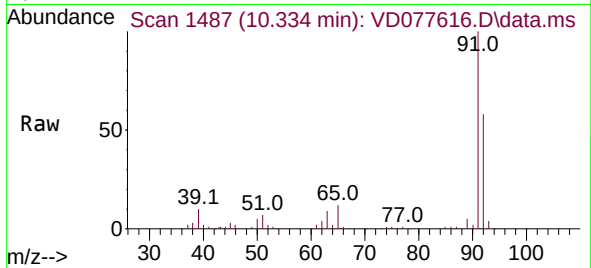




#42
Toluene
Concen: 25.590 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

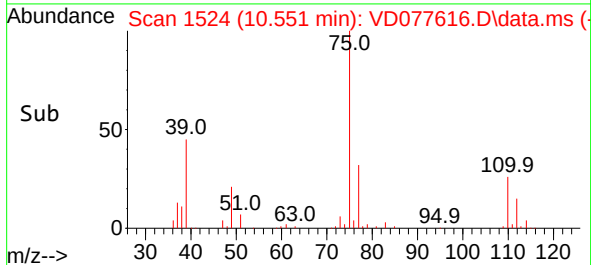
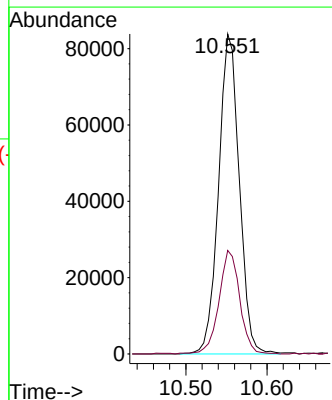
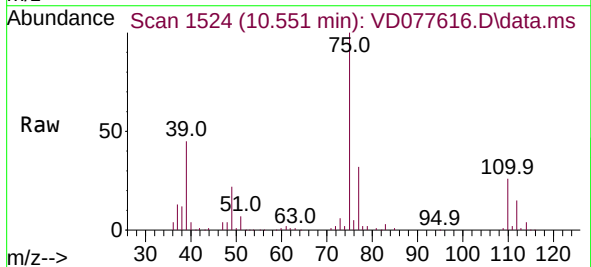
Instrument :
MSVOA_D
ClientSampleId :

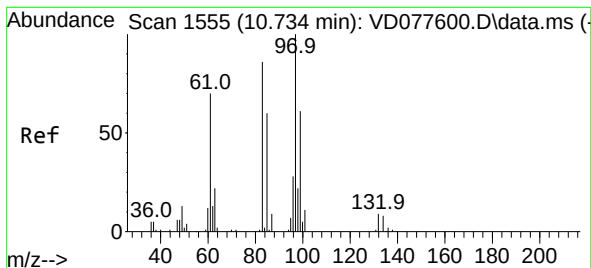
Tgt Ion: 91 Resp: 450130
Ion Ratio Lower Upper
91 100
92 57.5 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 25.134 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 75 Resp: 148642
Ion Ratio Lower Upper
75 100
77 32.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 26.030 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 74111

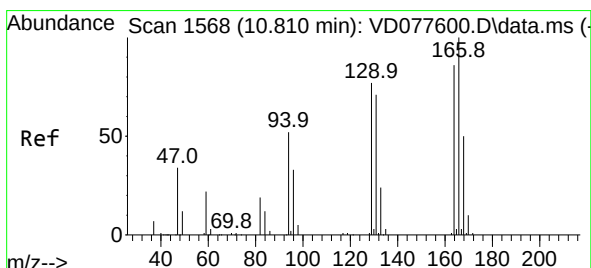
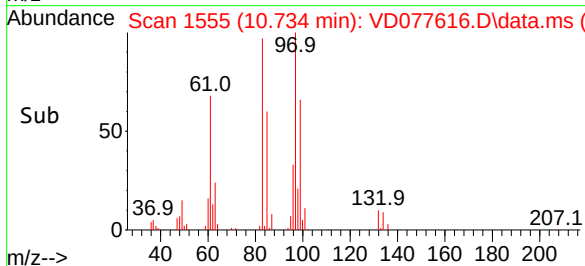
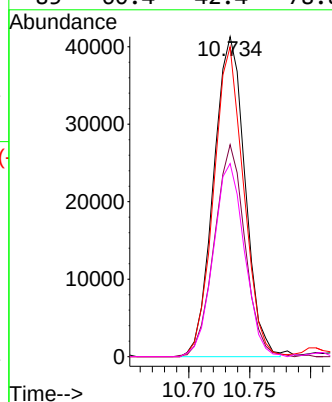
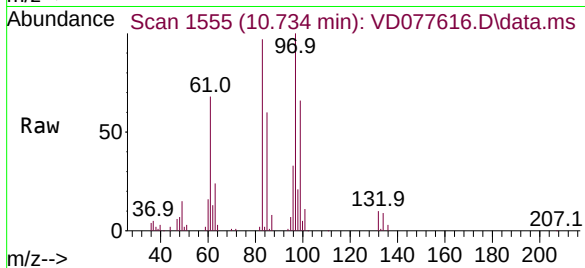
Ion Ratio Lower Upper

97 100

99 66.3 43.5 80.7

83 96.9 63.1 117.3

85 60.4 42.4 78.8



#46

Tetrachloroethene

Concen: 24.107 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Tgt Ion:164 Resp: 73640

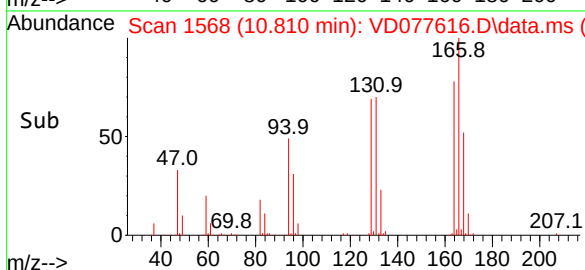
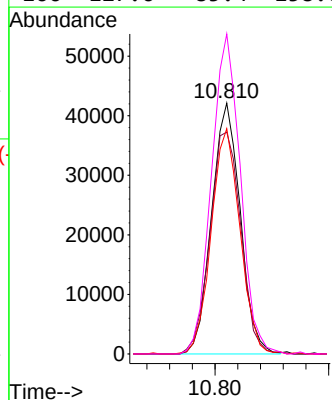
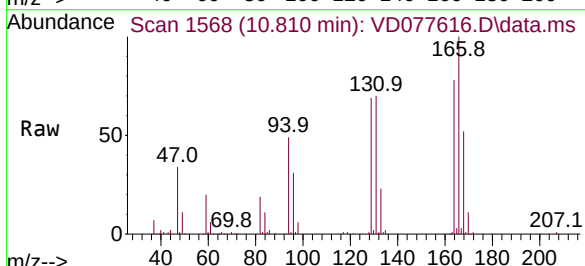
Ion Ratio Lower Upper

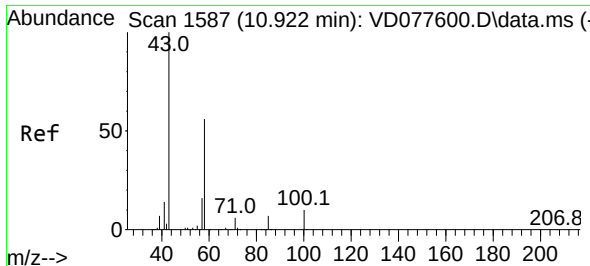
164 100

129 88.5 60.6 112.6

131 89.8 61.6 114.4

166 127.6 85.4 158.6

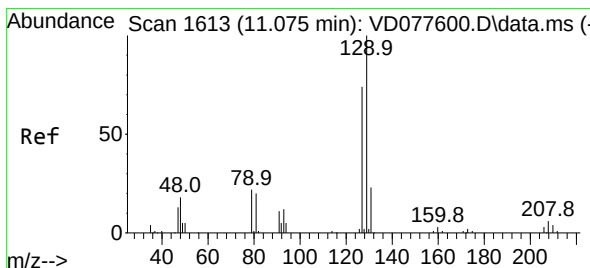
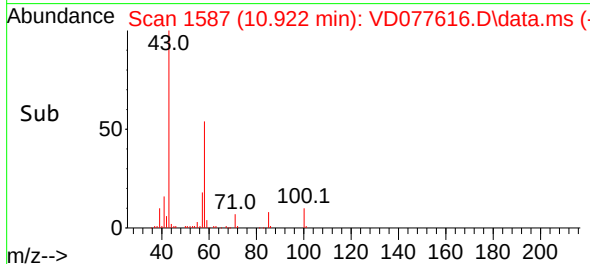
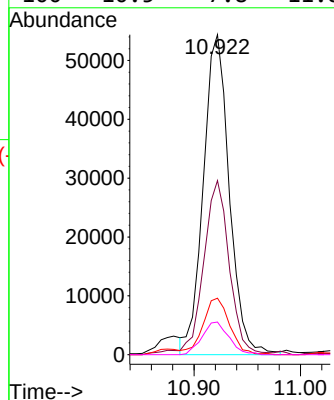
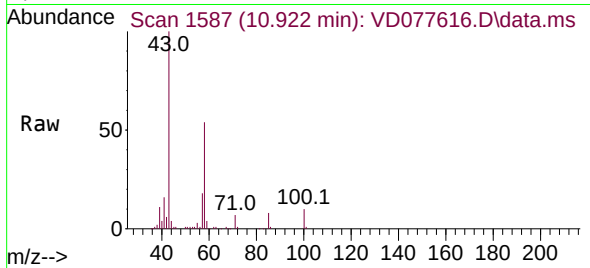




#48
2-Hexanone
Concen: 41.071 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

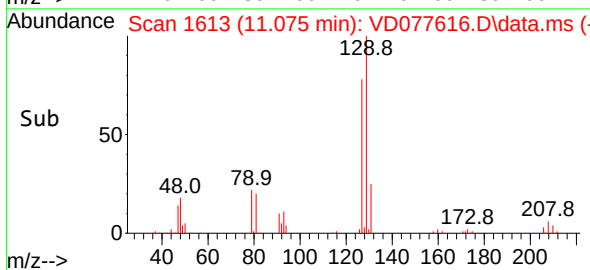
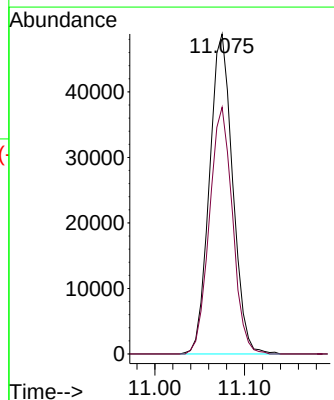
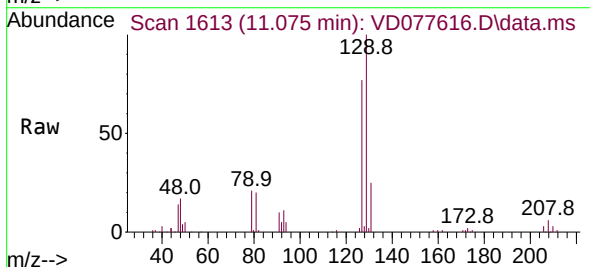
Instrument :
MSVOA_D
ClientSampleId :

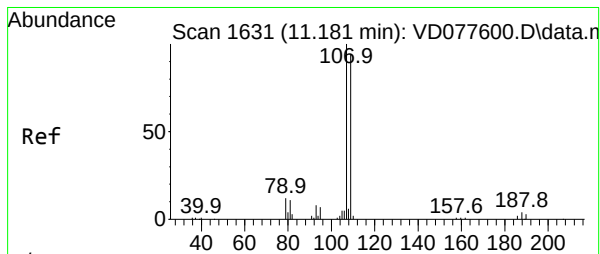
Tgt Ion: 43	Resp: 92402
Ion Ratio	Lower Upper
43 100	
58 53.1	40.8 61.2
57 18.0	13.7 20.5
100 10.5	7.8 11.8



#49
Dibromochloromethane
Concen: 27.147 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion:129	Resp:	87794	
Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.9	102.1

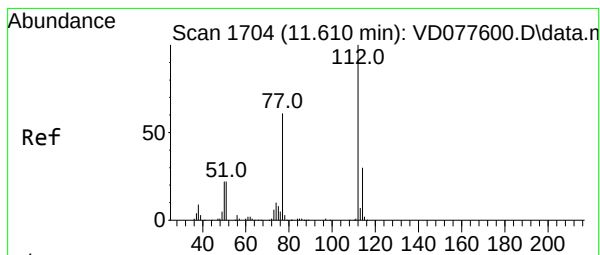
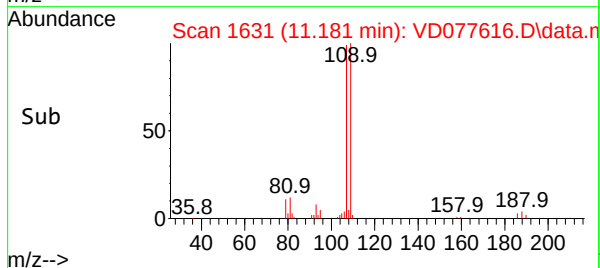
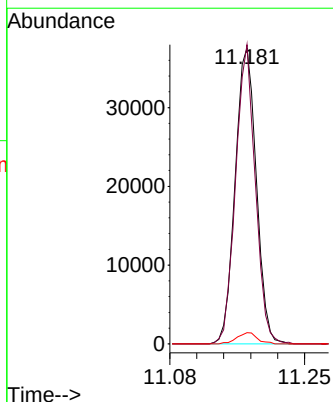
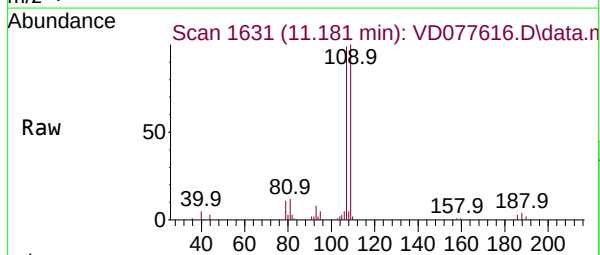




#50
1,2-Dibromoethane
Concen: 25.558 ug/L
RT: 11.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

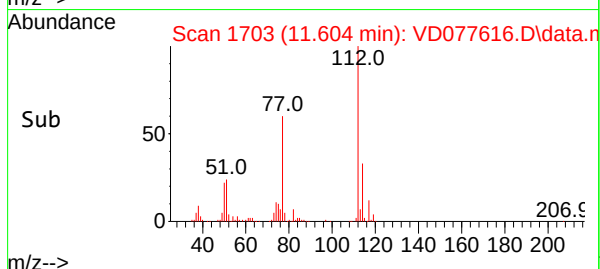
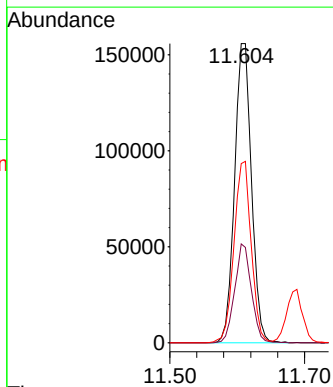
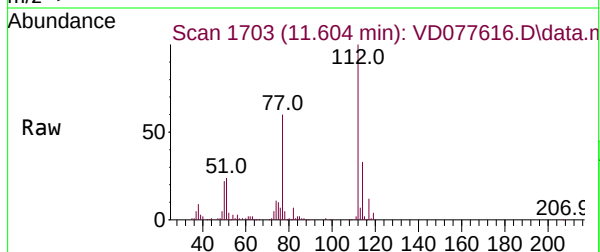
Instrument :
MSVOA_D
ClientSampleId :

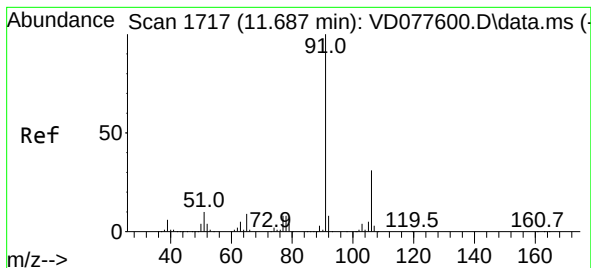
Tgt Ion:107 Resp: 69585
Ion Ratio Lower Upper
107 100
109 101.0 64.8 120.3
188 3.8 3.2 4.8



#51
Chlorobenzene
Concen: 26.280 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion:112 Resp: 270826
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 59.9 49.6 74.4

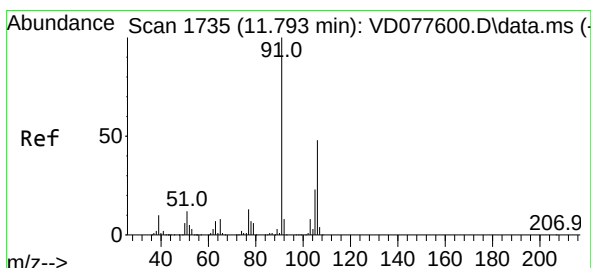
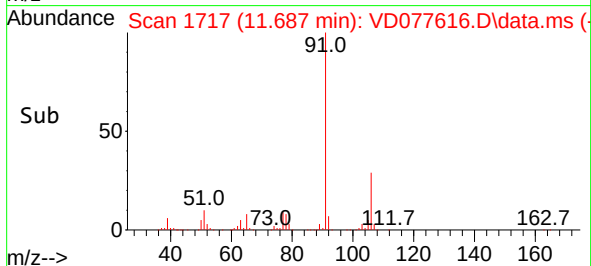
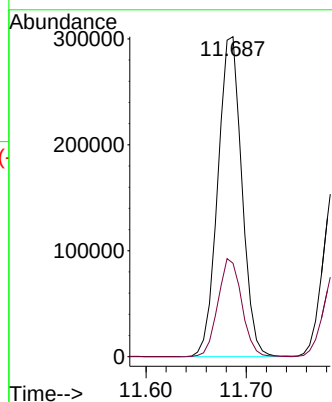
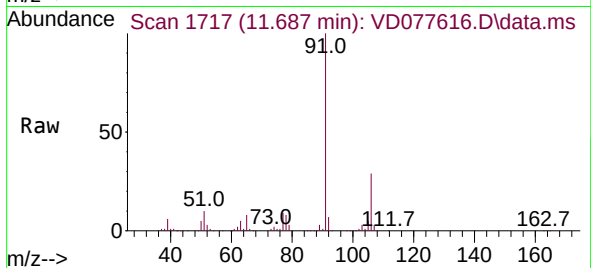




#52
Ethylbenzene
Concen: 25.971 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

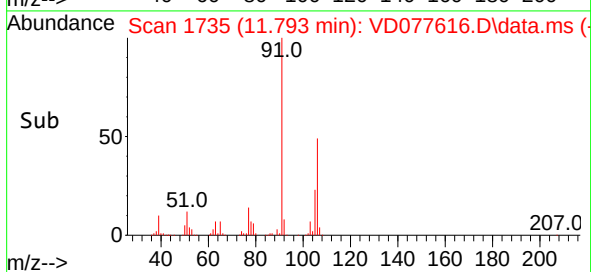
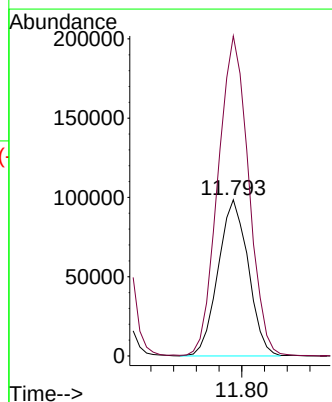
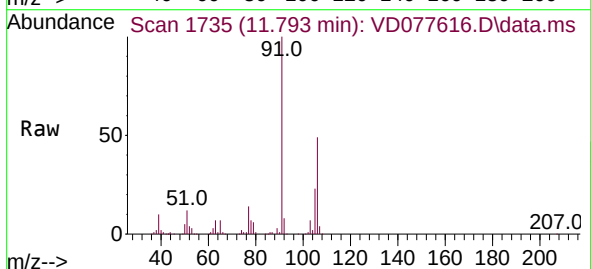
Instrument :
MSVOA_D
ClientSampleId :

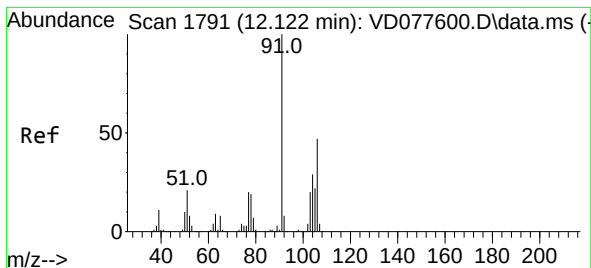
Tgt Ion: 91 Resp: 502667
Ion Ratio Lower Upper
91 100
106 29.2 22.0 40.8



#53
m,p-Xylene
Concen: 25.801 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 106 Resp: 181723
Ion Ratio Lower Upper
106 100
91 204.9 146.7 272.4





#54

o-Xylene

Concen: 27.002 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

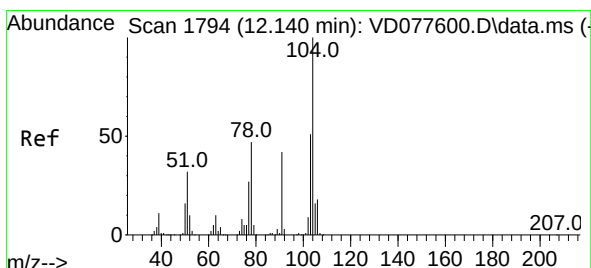
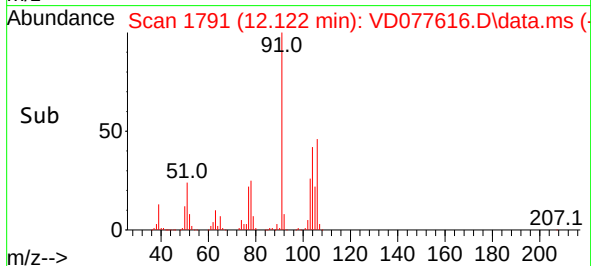
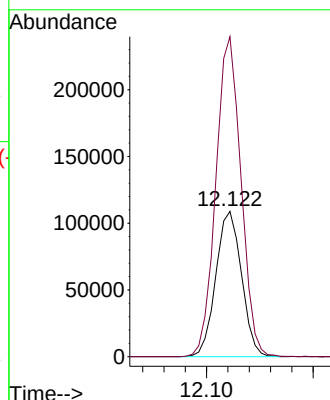
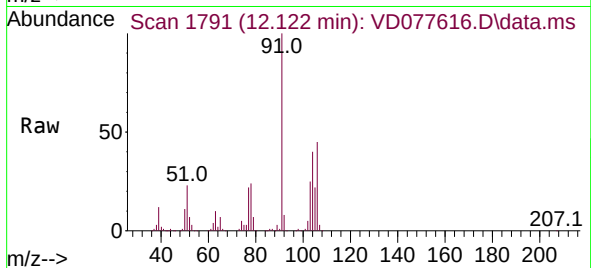
ClientSampleId :

Tgt Ion:106 Resp: 182144

Ion Ratio Lower Upper

106 100

91 220.2 158.5 294.4



#55

Styrene

Concen: 27.316 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VD077616.D

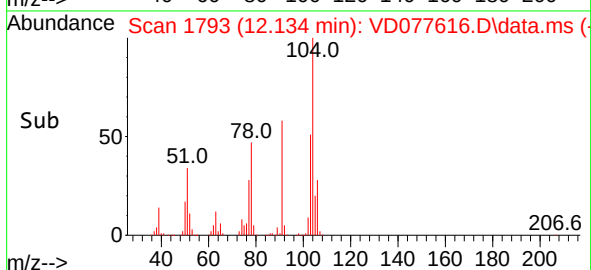
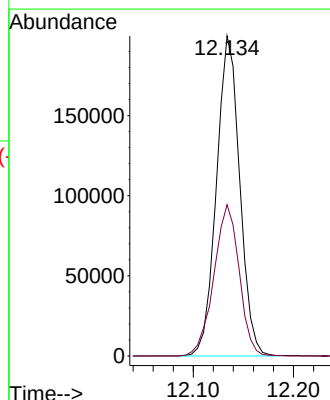
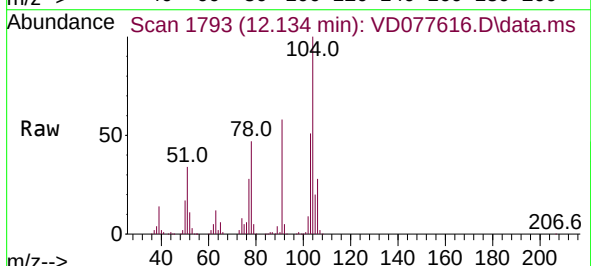
Acq: 17 Nov 2023 16:35

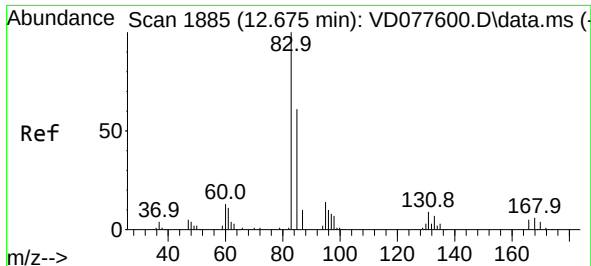
Tgt Ion:104 Resp: 321730

Ion Ratio Lower Upper

104 100

78 47.2 34.9 64.9

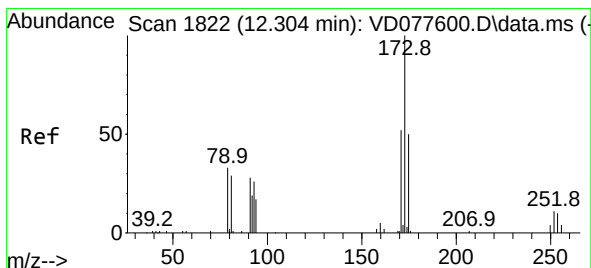
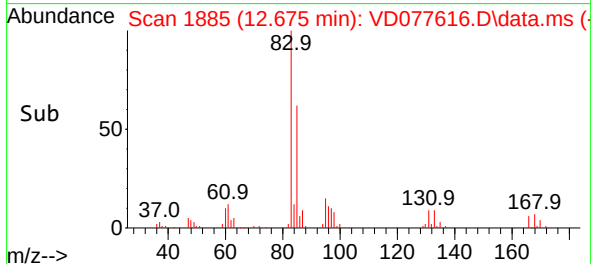
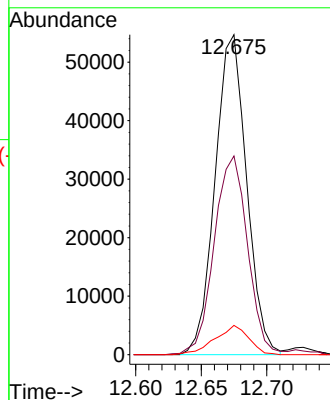
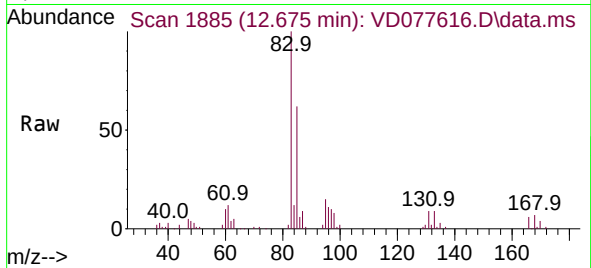




#57
1,1,2,2-Tetrachloroethane
Concen: 27.278 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

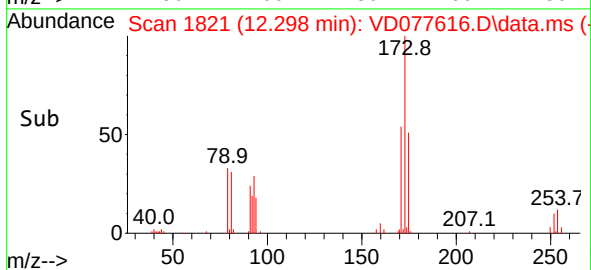
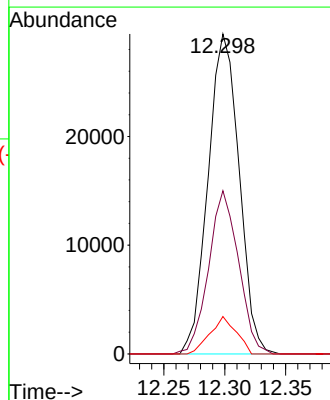
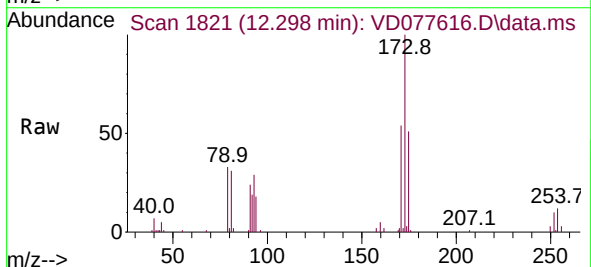
Instrument :
MSVOA_D
ClientSampleId :

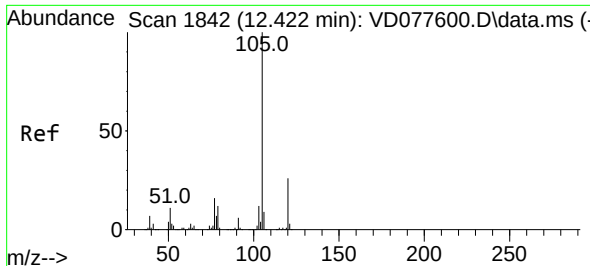
Tgt Ion: 83 Resp: 91488
Ion Ratio Lower Upper
83 100
85 62.1 44.9 83.3
131 9.2 7.2 10.8



#59
Bromoform
Concen: 25.446 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion:173 Resp: 52154
Ion Ratio Lower Upper
173 100
175 49.2 38.2 57.2
254 9.9 7.1 10.7

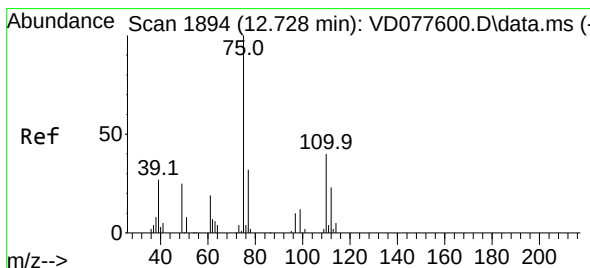
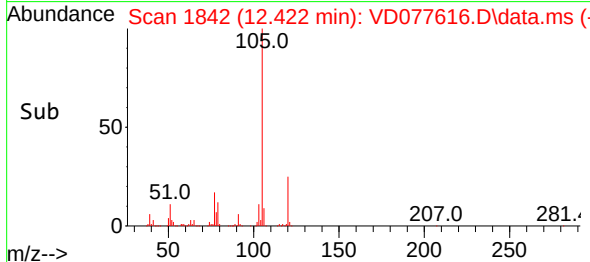
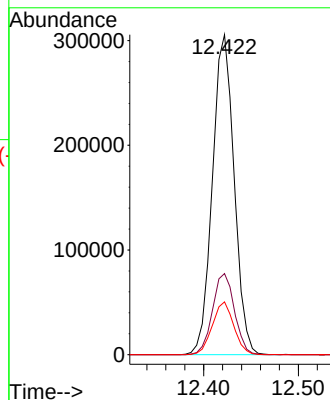
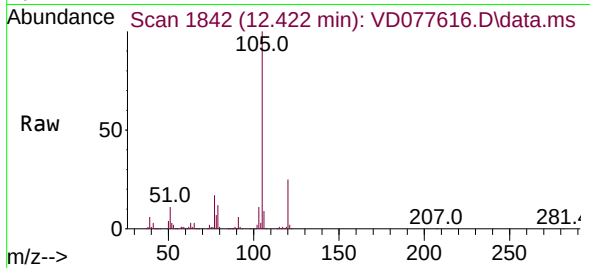




#60
Isopropylbenzene
Concen: 25.090 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

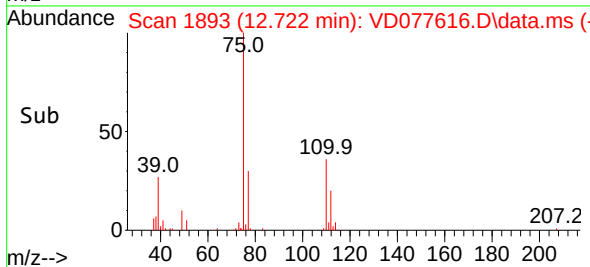
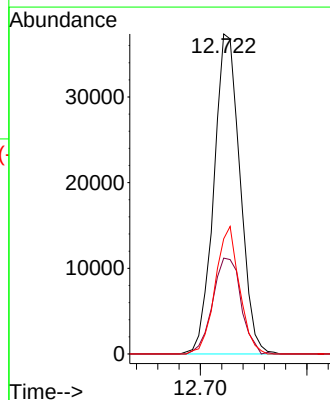
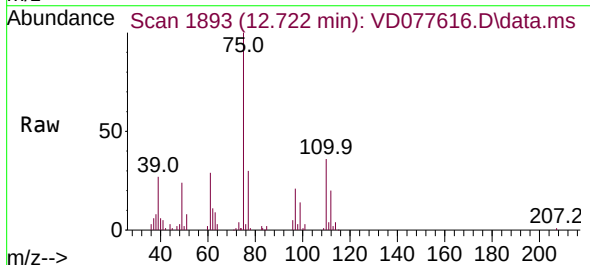
Instrument :
MSVOA_D
ClientSampleId :

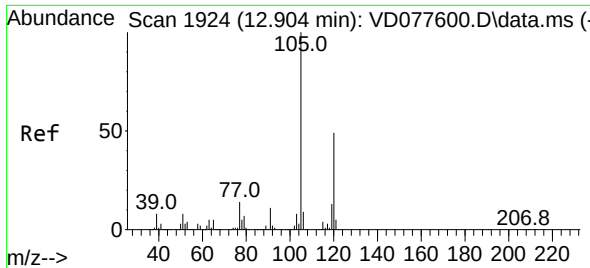
Tgt Ion:105 Resp: 487873
Ion Ratio Lower Upper
105 100
120 25.6 21.0 31.4
77 16.4 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 24.835 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion: 75 Resp: 63593
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
110 36.7 29.6 44.4

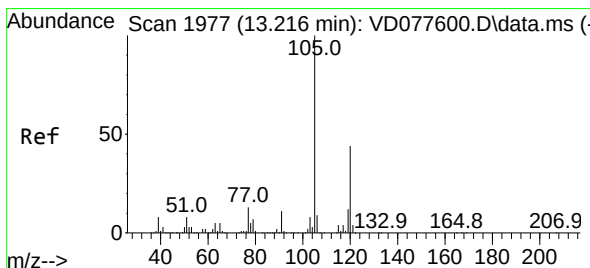
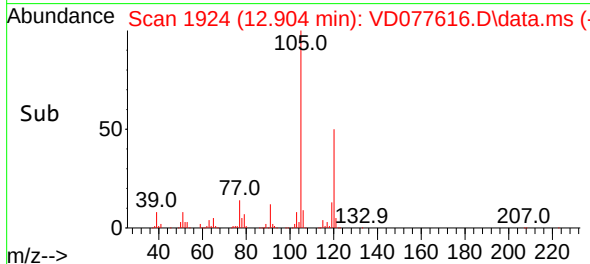
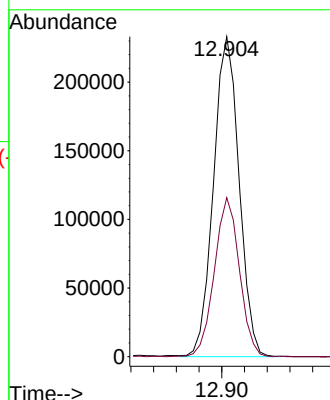
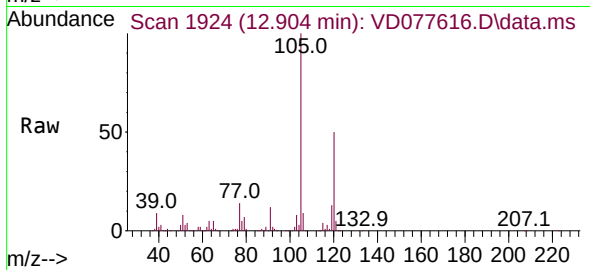




#62
1,3,5-Trimethylbenzene
Concen: 24.702 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

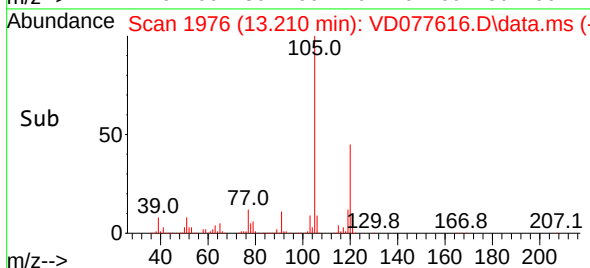
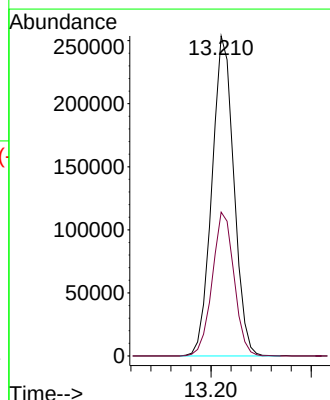
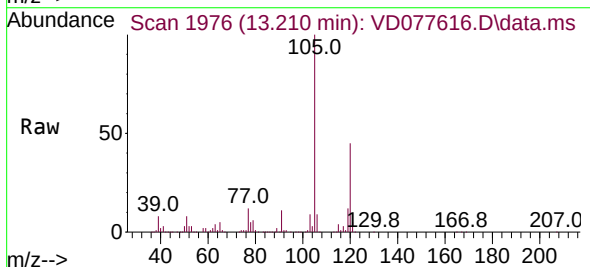
Instrument :
MSVOA_D
ClientSampleId :

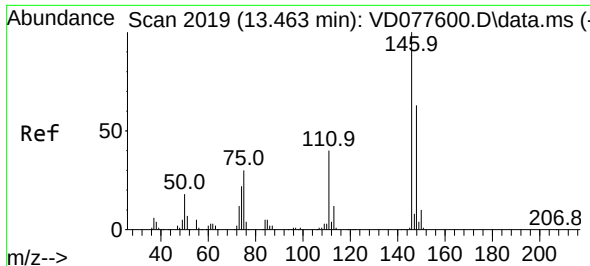
Tgt Ion:105 Resp: 364545
Ion Ratio Lower Upper
105 100
120 48.5 37.8 56.6



#63
1,2,4-Trimethylbenzene
Concen: 25.769 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion:105 Resp: 385218
Ion Ratio Lower Upper
105 100
120 44.6 35.6 53.4

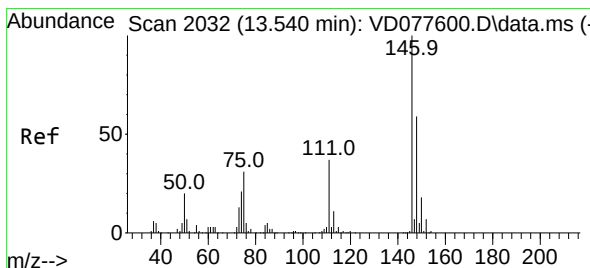
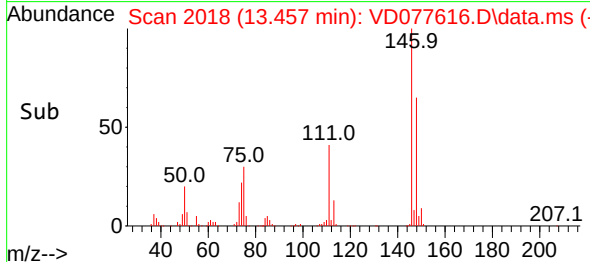
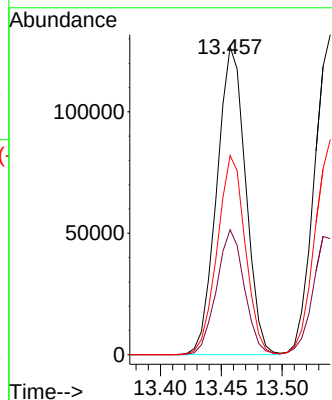
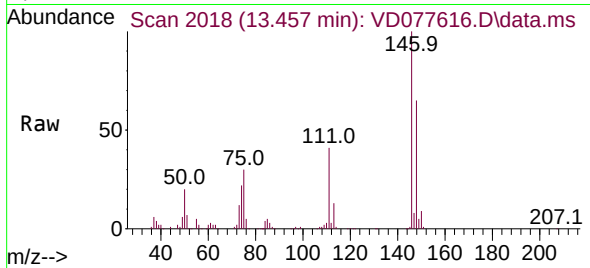




#64
1,3-Dichlorobenzene
Concen: 26.156 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

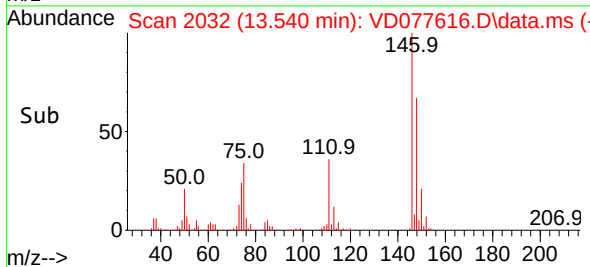
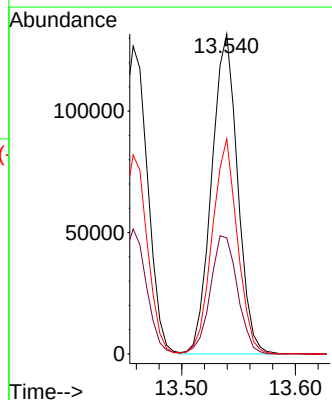
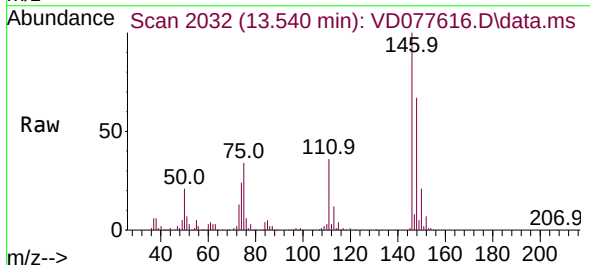
Instrument :
MSVOA_D
ClientSampleId :

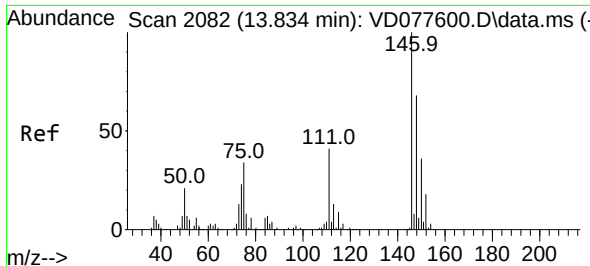
Tgt Ion:146 Resp: 208656
Ion Ratio Lower Upper
146 100
111 40.6 27.2 50.6
148 64.6 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 26.037 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

Tgt Ion:146 Resp: 209616
Ion Ratio Lower Upper
146 100
111 36.2 25.6 47.4
148 67.2 44.1 81.9

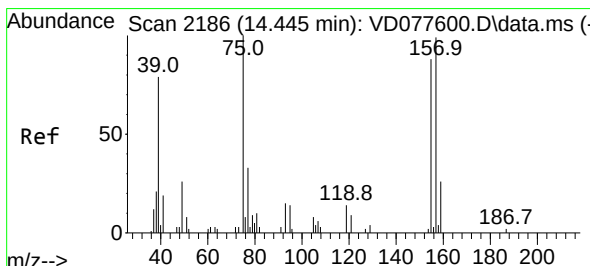
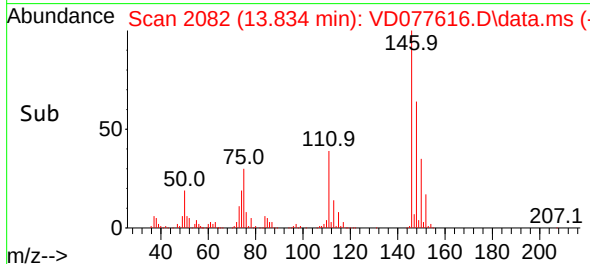
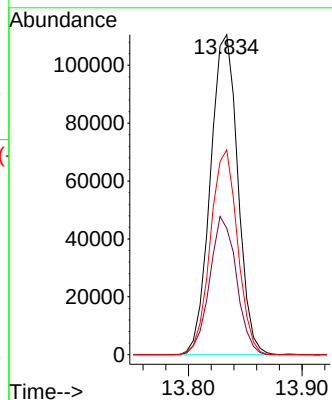
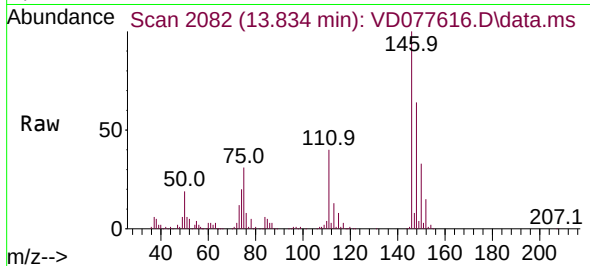




#67
1,2-Dichlorobenzene
Concen: 26.301 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

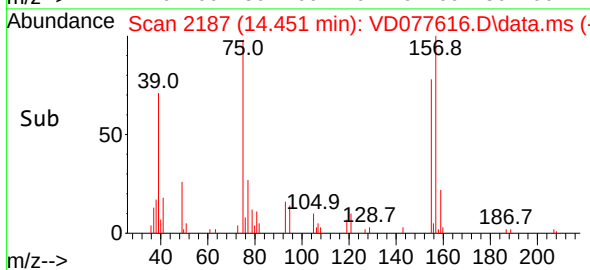
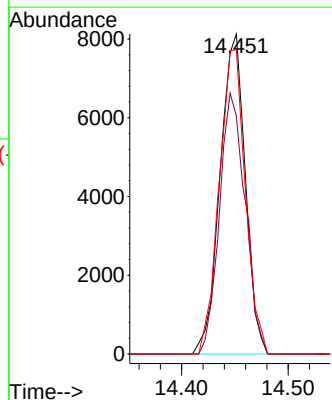
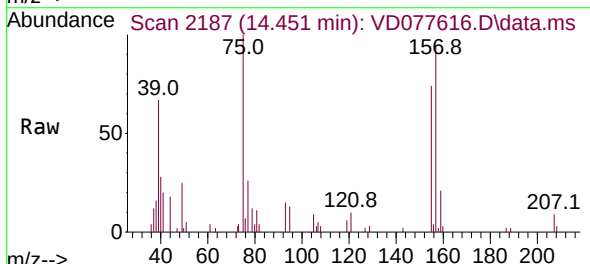
Instrument :
MSVOA_D
ClientSampleId :

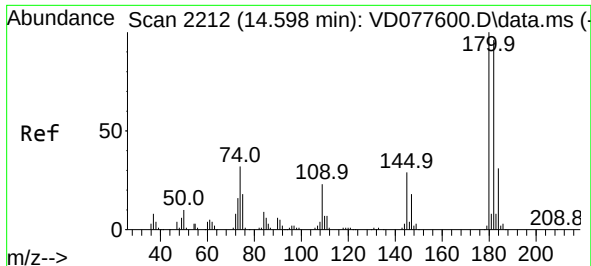
Tgt Ion:146 Resp: 185493
Ion Ratio Lower Upper
146 100
111 39.5 33.8 50.6
148 64.0 54.3 81.5



#68
1,2-Dibromo-3-chloropropane
Concen: 23.927 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD077616.D
Acq: 17 Nov 2023 16:35

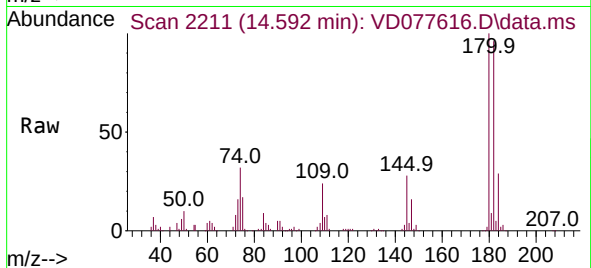
Tgt Ion: 75 Resp: 13327
Ion Ratio Lower Upper
75 100
155 74.3 58.2 87.2
157 95.1 68.7 103.1



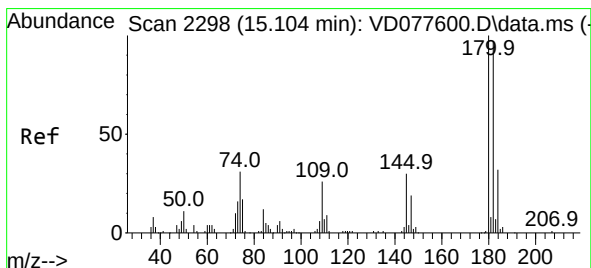
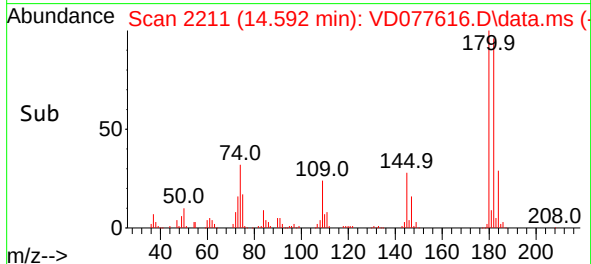
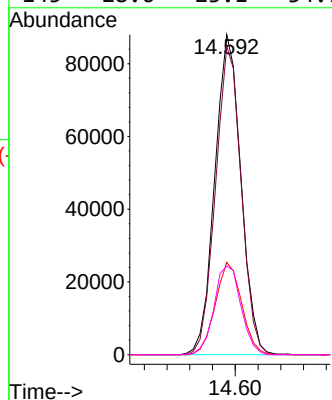


#69
 1,3,5-Trichlorobenzene
 Concen: 25.828 ug/L
 RT: 14.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD077616.D
 Acq: 17 Nov 2023 16:35

Instrument :
 MSVOA_D
 ClientSampleId :

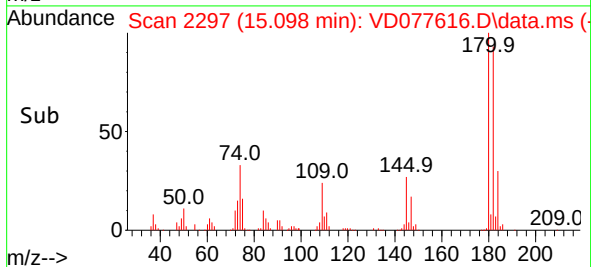
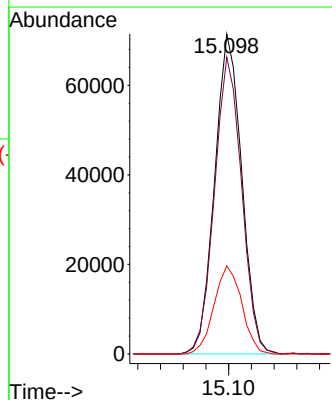
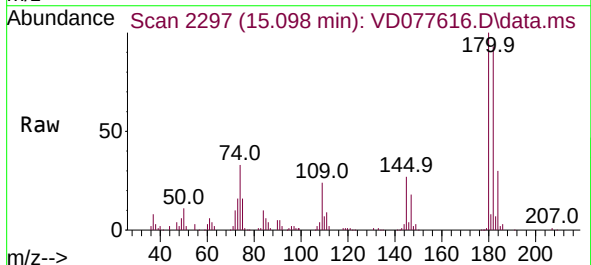


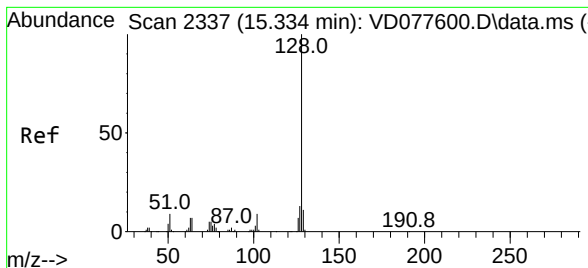
Tgt Ion:180 Resp: 140289
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.1 114.1
 184 29.1 24.0 36.0
 145 28.6 23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 25.835 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD077616.D
 Acq: 17 Nov 2023 16:35

Tgt Ion:180 Resp: 118269
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.8 113.6
 145 28.1 24.1 36.1





#71

Naphthalene

Concen: 24.780 ug/L

RT: 15.334 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Instrument :

MSVOA_D

ClientSampleId :

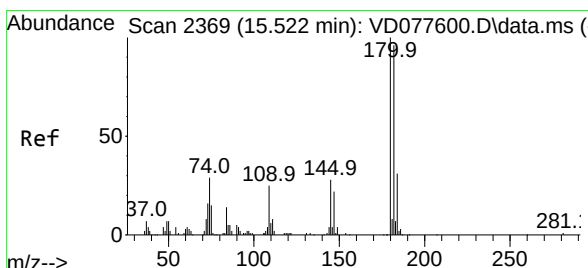
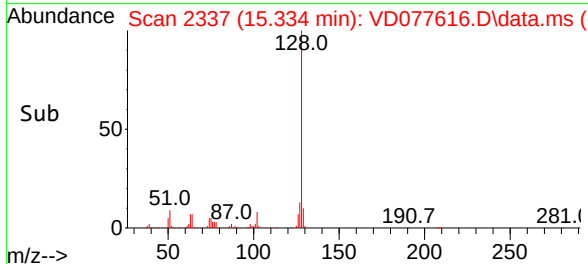
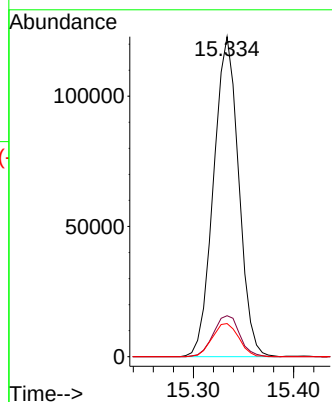
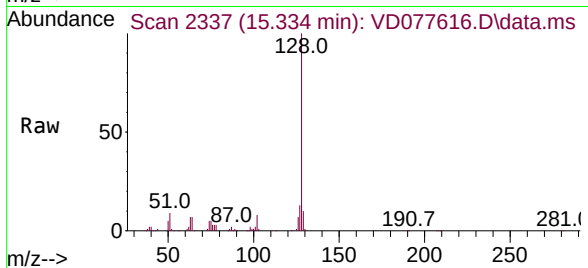
Tgt Ion:128 Resp: 213790

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 10.9 9.0 13.6



#72

1,2,3-Trichlorobenzene

Concen: 26.286 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD077616.D

Acq: 17 Nov 2023 16:35

Tgt Ion:180 Resp: 102601

Ion Ratio Lower Upper

180 100

182 95.3 76.8 115.2

145 29.9 26.0 39.0

