

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111823\
 Data File : VD077618.D
 Acq On : 18 Nov 2023 09:14
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 23:20:07 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	8.781	114	270205	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	247966	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	128728	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.281	65	130015	18.915	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.680%
7) Chloroethane-d5	2.805	69	115854	21.455	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.840%
11) 1,1-Dichloroethene-d2	3.922	65	41149	19.360	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.440%
21) 2-Butanone-d5	6.993	46	64241	53.981	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.960%
24) Chloroform-d	7.569	84	188480	24.147	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	8.228	65	99450	23.953	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	8.204	84	356759	22.167	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.680%
36) 1,2-Dichloropropane-d6	9.210	67	119253	22.749	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.000%
41) Toluene-d8	10.269	98	315708	21.709	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.840%
43) trans-1,3-Dichloroprop...	10.522	79	51979	22.997	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.000%
47) 2-Hexanone-d5	10.875	63	51991	55.440	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.880%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	97108	27.959	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.840%
66) 1,2-Dichlorobenzene-d4	13.816	152	110765	24.187	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	109201	25.095	ug/L	98
3) Chloromethane	2.152	50	158606	25.334	ug/L	100
5) Vinyl chloride	2.287	62	187422	26.523	ug/L	97
6) Bromomethane	2.699	94	97282	25.859	ug/L	98
8) Chloroethane	2.840	64	120908	27.523	ug/L	92
9) Trichlorofluoromethane	3.181	101	181083	28.159	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	110715	27.977	ug/L	98
12) 1,1-Dichloroethene	3.946	96	100462	26.145	ug/L	92
13) Acetone	4.022	43	71199	56.917	ug/L	99
14) Carbon disulfide	4.275	76	319076	23.061	ug/L	100
15) Methyl Acetate	4.563	43	53109	25.807	ug/L	98
16) Methylene chloride	4.804	84	117987	25.862	ug/L	94
17) trans-1,2-Dichloroethene	5.316	96	103234	25.540	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	253890	26.762	ug/L #	80
19) 1,1-Dichloroethane	6.116	63	219297	27.041	ug/L	98
20) cis-1,2-Dichloroethene	7.081	96	116897	26.620	ug/L	97
22) 2-Butanone	7.081	43	81107	53.887	ug/L	96
23) Bromochloromethane	7.422	128	47682	27.023	ug/L	89
25) Chloroform	7.598	83	207714	27.881	ug/L	96

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 Quant Title : SFAM01.0
 QLast Update : Sat Nov 18 00:25:31 2023
 Response via : Initial Calibration

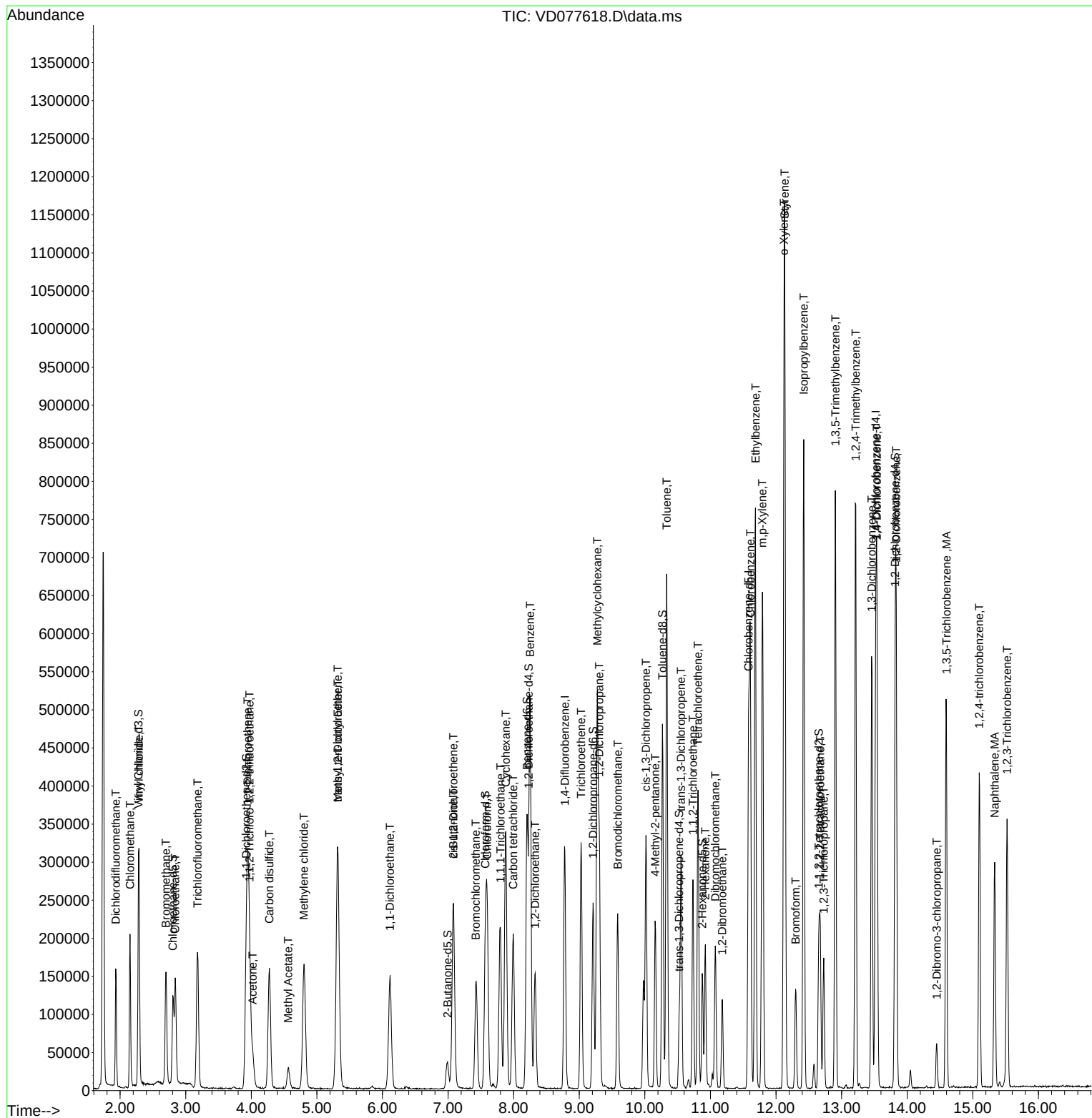
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	137802	27.903	ug/L	97
29) Cyclohexane	7.881	56	196191	24.368	ug/L	97
30) 1,1,1-Trichloroethane	7.798	97	179425	27.640	ug/L	99
31) Carbon tetrachloride	7.992	117	154646	27.720	ug/L	99
33) Benzene	8.251	78	458296	26.652	ug/L	100
34) Trichloroethene	9.028	95	113056	26.533	ug/L	95
35) Methylcyclohexane	9.275	83	194814	25.337	ug/L	99
37) 1,2-Dichloropropane	9.304	63	126153	26.390	ug/L	98
38) Bromodichloromethane	9.587	83	150704	27.484	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	196224	26.713	ug/L	97
40) 4-Methyl-2-pentanone	10.157	43	157915	54.208	ug/L	98
42) Toluene	10.334	91	492245	27.266	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	164444	27.092	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	83254	28.491	ug/L	96
46) Tetrachloroethene	10.810	164	86835	27.698	ug/L	97
48) 2-Hexanone	10.922	43	124821	54.057	ug/L	99
49) Dibromochloromethane	11.075	129	94517	28.476	ug/L	100
50) 1,2-Dibromoethane	11.181	107	77318	27.670	ug/L	99
51) Chlorobenzene	11.610	112	289594	27.380	ug/L	96
52) Ethylbenzene	11.686	91	542454	27.307	ug/L	99
53) m,p-Xylene	11.792	106	203265	28.119	ug/L	100
54) o-Xylene	12.122	106	193021	27.880	ug/L	93
55) Styrene	12.133	104	343688	28.431	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	98101	28.499	ug/L	100
59) Bromoform	12.298	173	59395	27.063	ug/L	98
60) Isopropylbenzene	12.422	105	539536	25.912	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	69580	25.375	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	410325	25.965	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	418082	26.117	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	227939	26.684	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	228470	26.502	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	201809	26.722	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	14827	24.859	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.598	180	152698	26.253	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	130470	26.615	ug/L	98
71) Naphthalene	15.333	128	242836	26.285	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	115229	27.568	ug/L	98

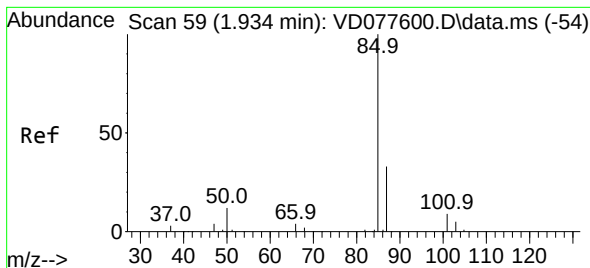
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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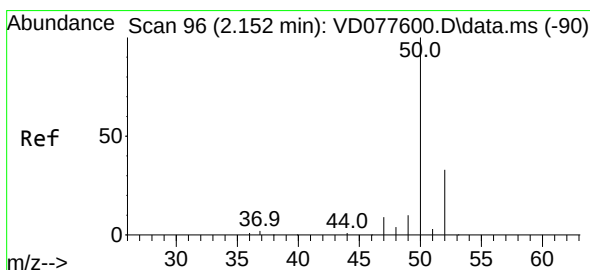
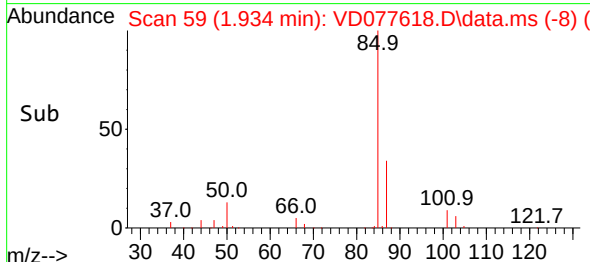
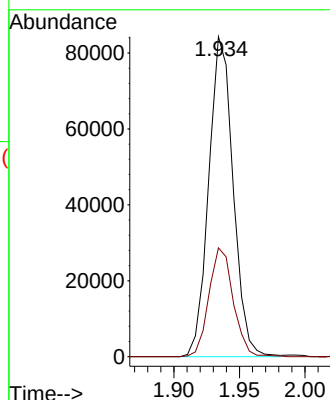
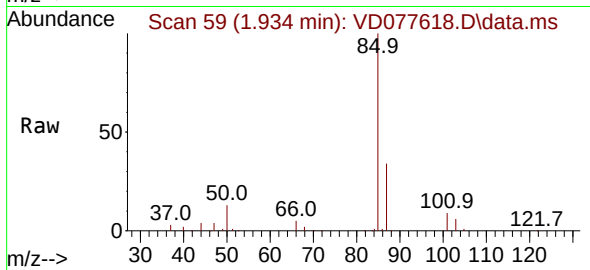




#2
 Dichlorodifluoromethane
 Concen: 25.095 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD077618.D
 Acq: 18 Nov 2023 09:14

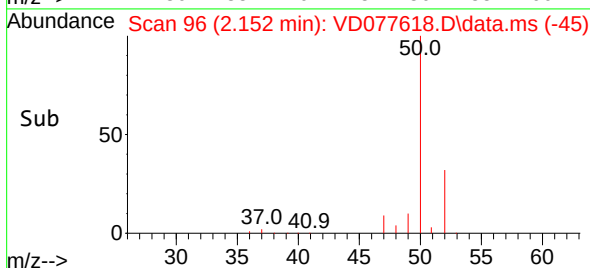
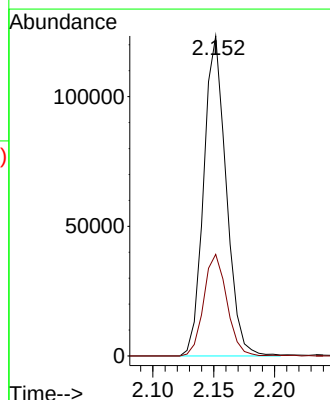
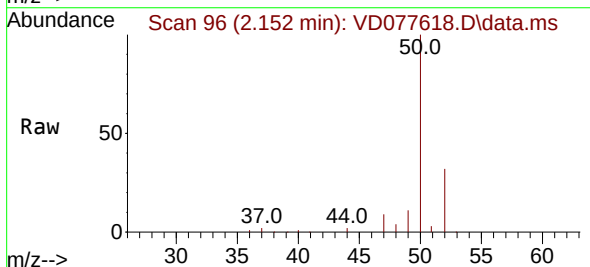
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 ClientSampleId :

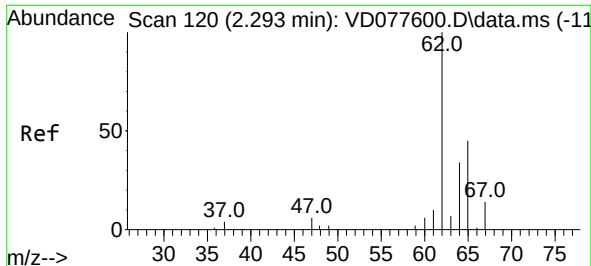
Tgt Ion: 85 Resp: 109201
 Ion Ratio Lower Upper
 85 100
 87 33.6 26.2 39.2



#3
 Chloromethane
 Concen: 25.334 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. -0.000 min
 Lab File: VD077618.D
 Acq: 18 Nov 2023 09:14

Tgt Ion: 50 Resp: 158606
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.1 41.1

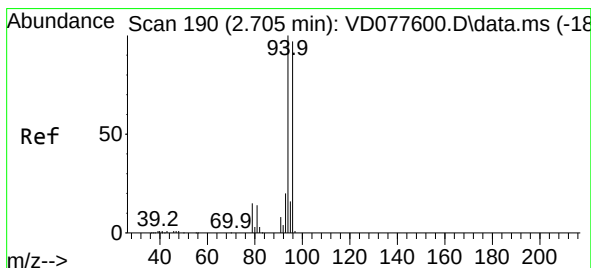
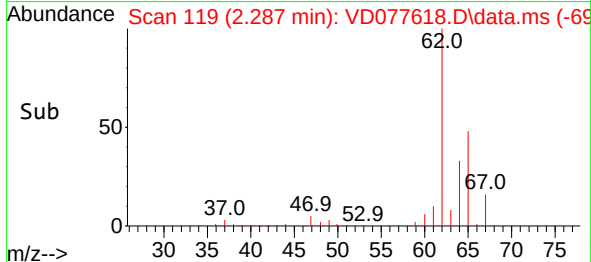
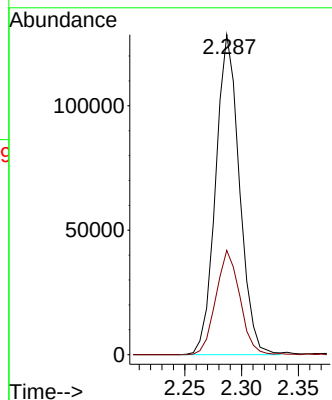
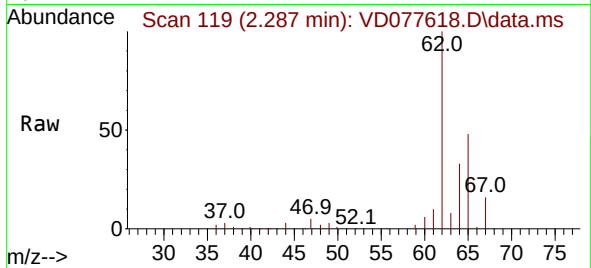




#5
 Vinyl chloride
 Concen: 26.523 ug/L
 RT: 2.287 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VD077618.D
 Acq: 18 Nov 2023 09:14

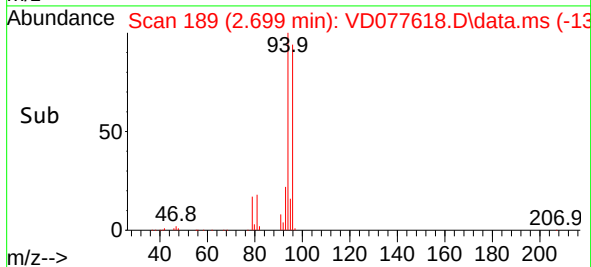
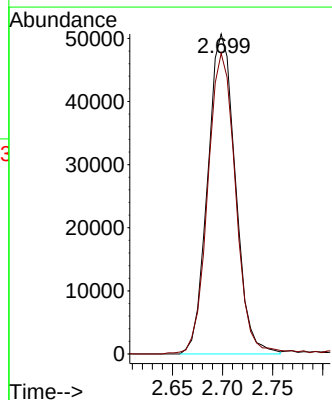
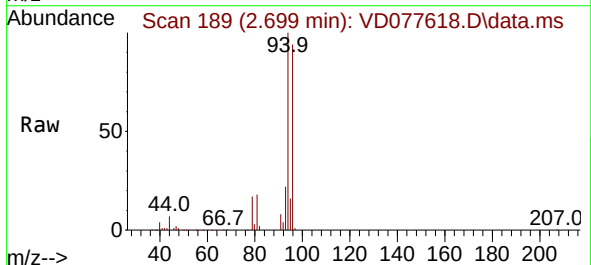
Instrument :
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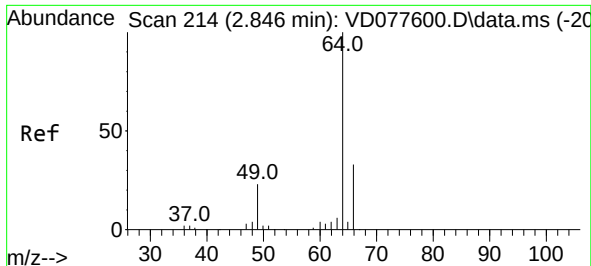
Tgt Ion: 62 Resp: 187422
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.9 44.5



#6
 Bromomethane
 Concen: 25.859 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. -0.006 min
 Lab File: VD077618.D
 Acq: 18 Nov 2023 09:14

Tgt Ion: 94 Resp: 97282
 Ion Ratio Lower Upper
 94 100
 96 94.0 64.5 119.9

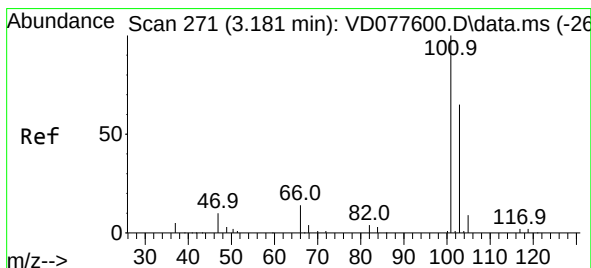
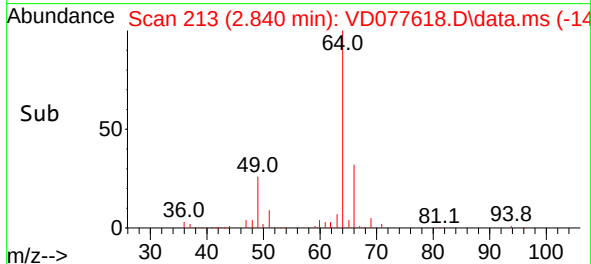
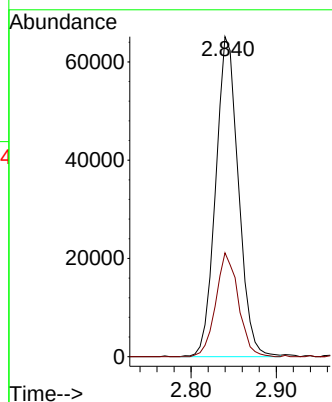
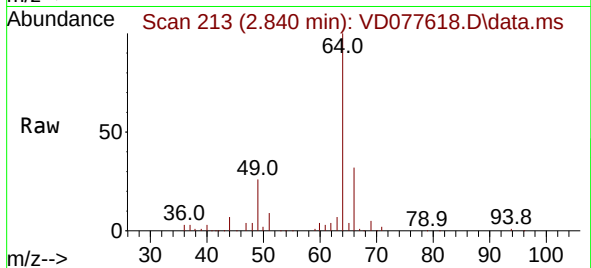




#8
Chloroethane
Concen: 27.523 ug/L
RT: 2.840 min Scan# 214
Delta R.T. -0.006 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

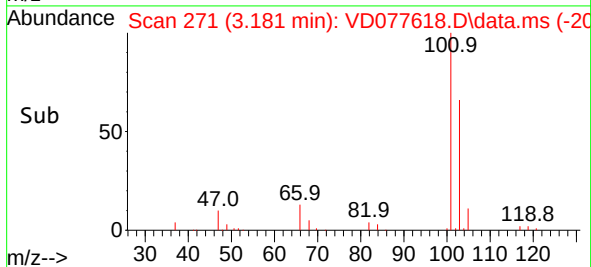
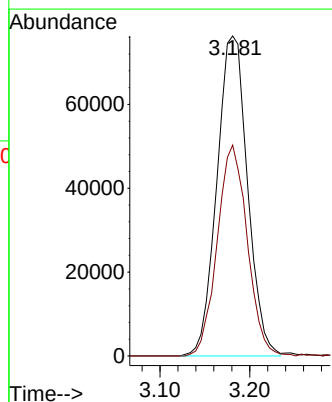
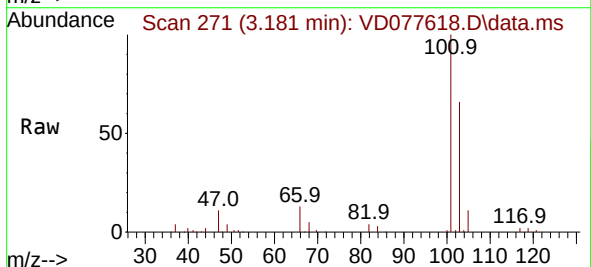
Instrument :
MSVOA_D
ClientSampleId :

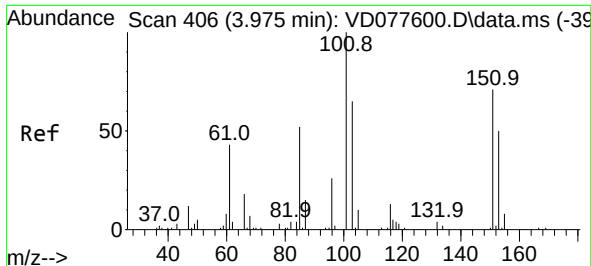
Tgt Ion: 64 Resp: 120908
Ion Ratio Lower Upper
64 100
66 32.5 19.8 36.8



#9
Trichlorofluoromethane
Concen: 28.159 ug/L
RT: 3.181 min Scan# 271
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion:101 Resp: 181083
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9

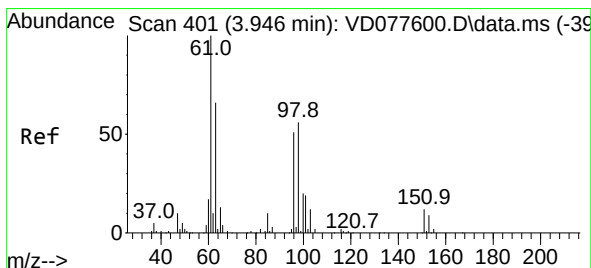
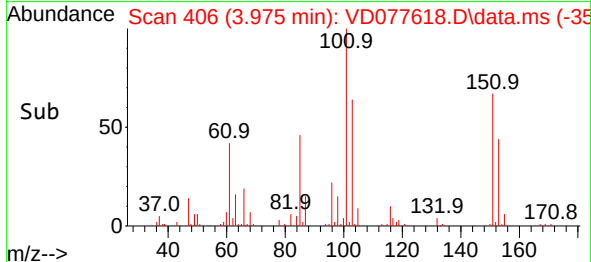
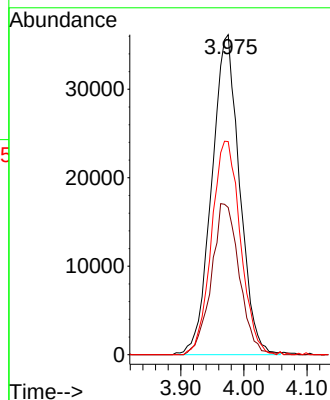
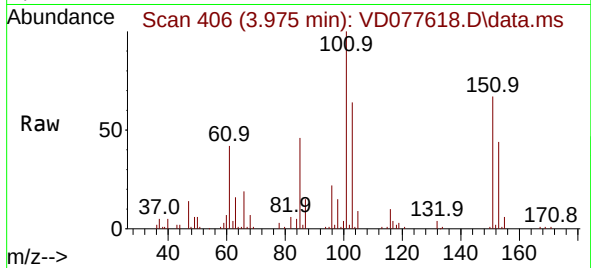




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 27.977 ug/L
 RT: 3.975 min Scan# 406
 Delta R.T. -0.000 min
 Lab File: VD077618.D
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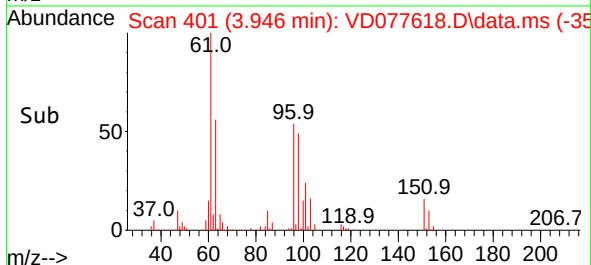
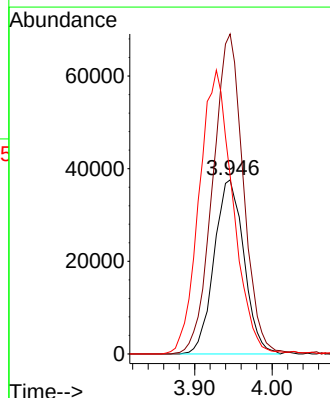
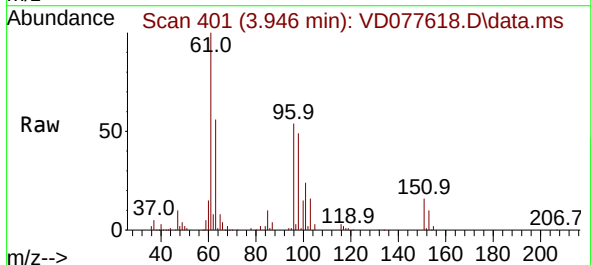
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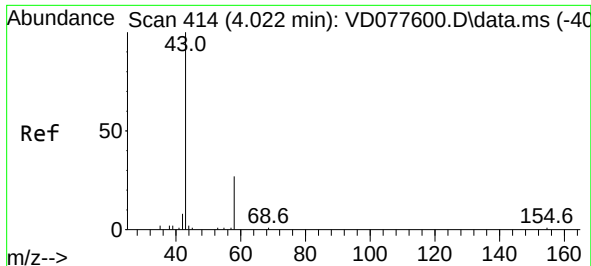
Tgt Ion:101 Resp: 110715
 Ion Ratio Lower Upper
 101 100
 85 47.3 36.8 55.2
 151 69.1 56.6 84.8



#12
 1,1-Dichloroethene
 Concen: 26.145 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. -0.000 min
 Lab File: VD077618.D
 Acq: 18 Nov 2023 09:14

Tgt Ion: 96 Resp: 100462
 Ion Ratio Lower Upper
 96 100
 61 183.8 127.5 236.9
 63 102.5 86.4 160.4

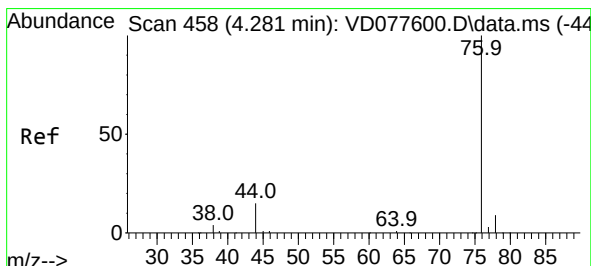
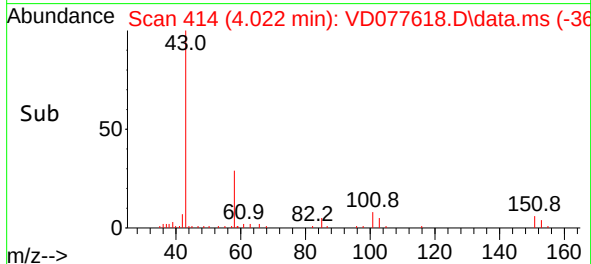
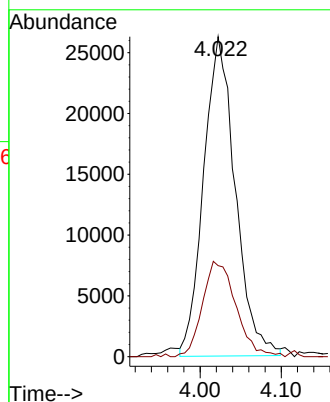
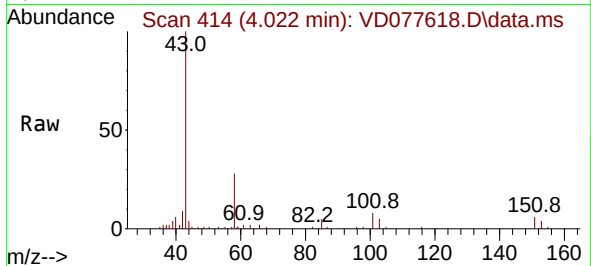




#13
Acetone
Concen: 56.917 ug/L
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

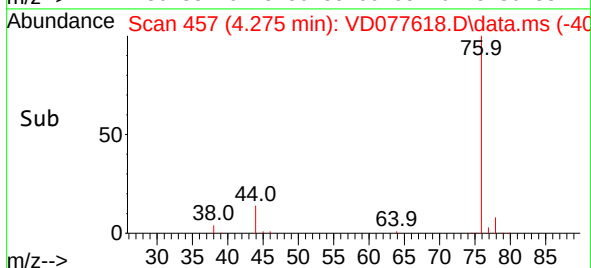
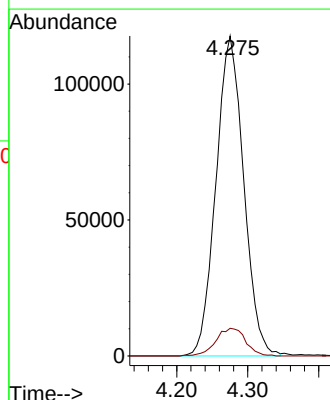
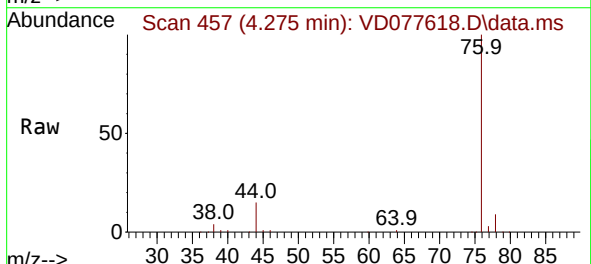
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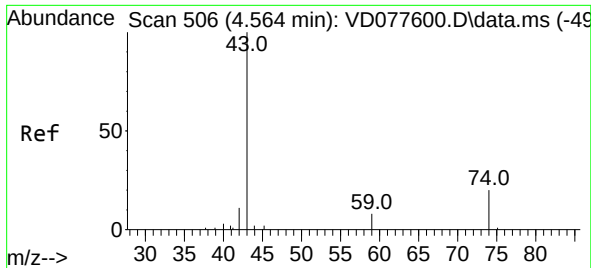
Tgt Ion: 43 Resp: 71199
Ion Ratio Lower Upper
43 100
58 31.4 0.0 64.0



#14
Carbon disulfide
Concen: 23.061 ug/L
RT: 4.275 min Scan# 457
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 319076
Ion Ratio Lower Upper
76 100
78 8.6 6.9 10.3

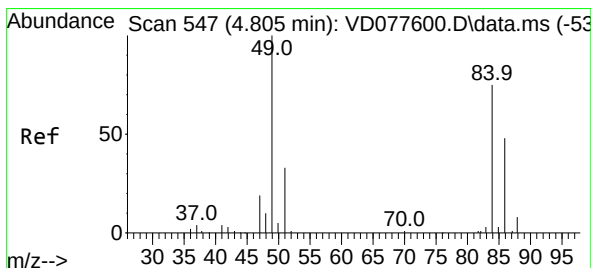
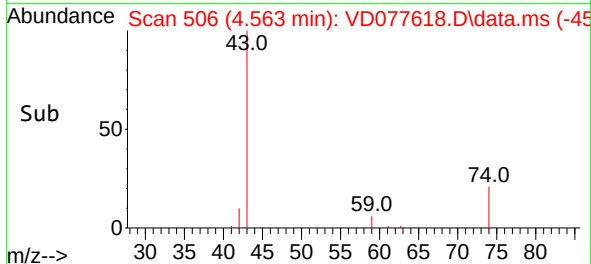
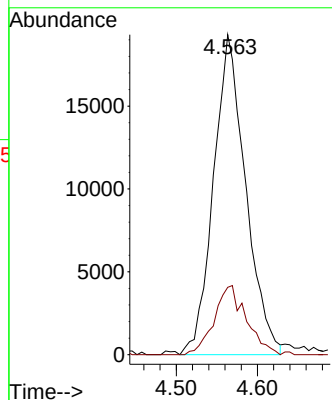
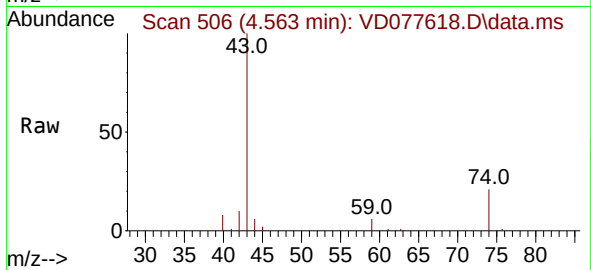




#15
Methyl Acetate
Concen: 25.807 ug/L
RT: 4.563 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

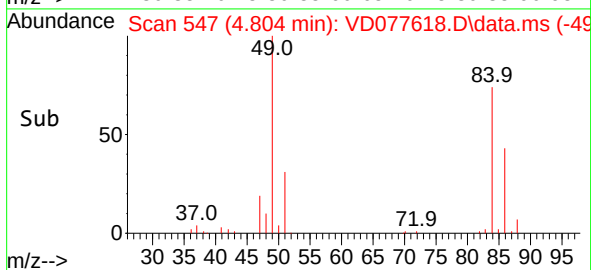
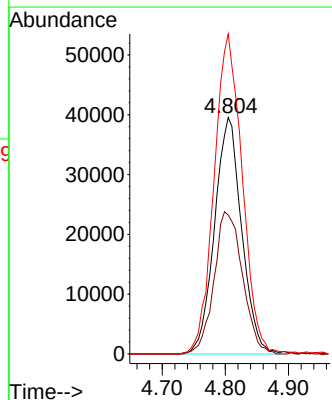
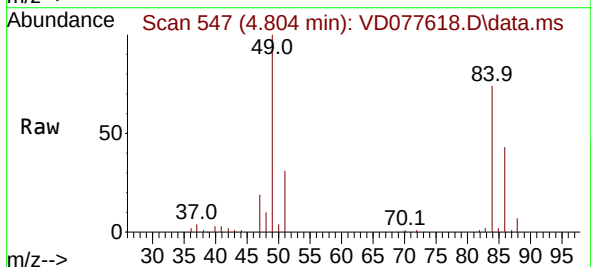
Instrument :
MSVOA_D
ClientSampleId :

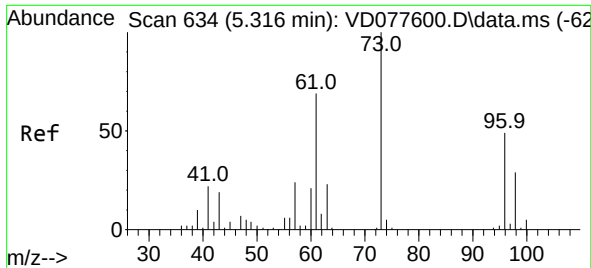
Tgt Ion: 43 Resp: 53109
Ion Ratio Lower Upper
43 100
74 21.6 16.6 24.8



#16
Methylene chloride
Concen: 25.862 ug/L
RT: 4.804 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion: 84 Resp: 117987
Ion Ratio Lower Upper
84 100
86 58.7 46.5 86.5
49 135.4 98.3 182.7

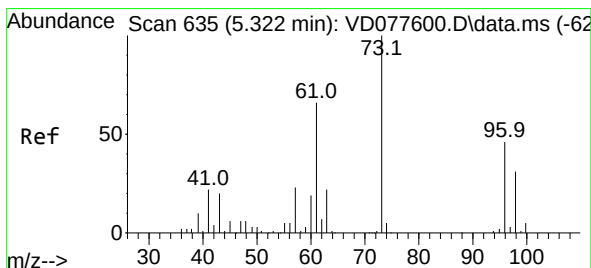
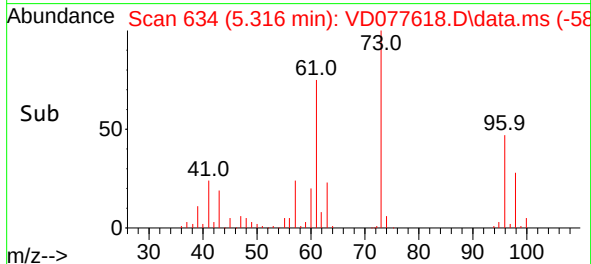
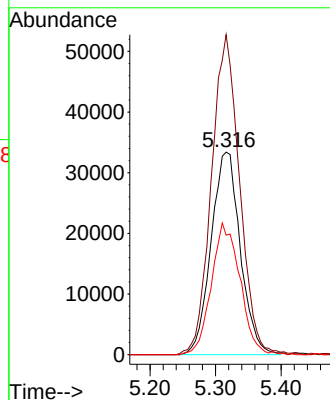
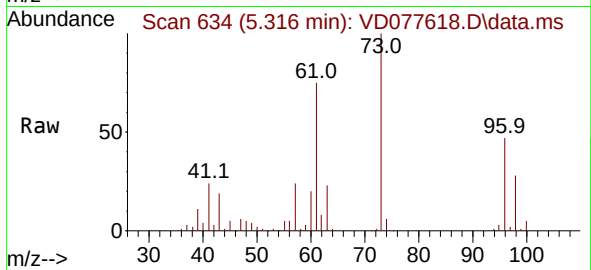




#17
trans-1,2-Dichloroethene
Concen: 25.540 ug/L
RT: 5.316 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

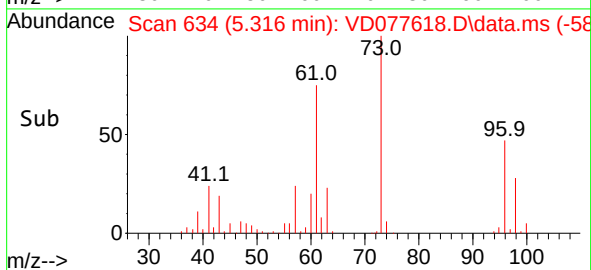
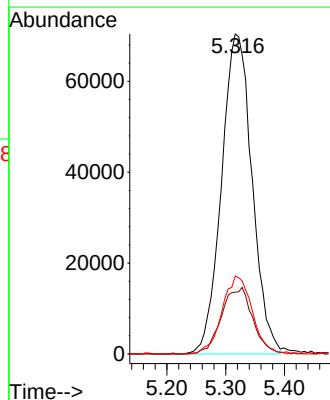
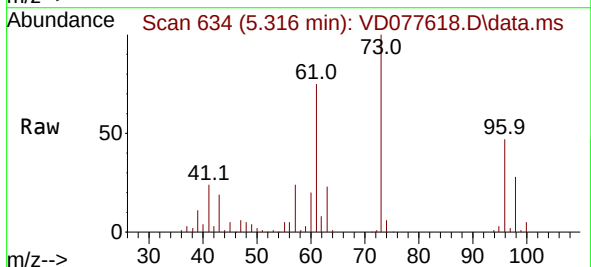
Instrument :
MSVOA_D
ClientSampleId :

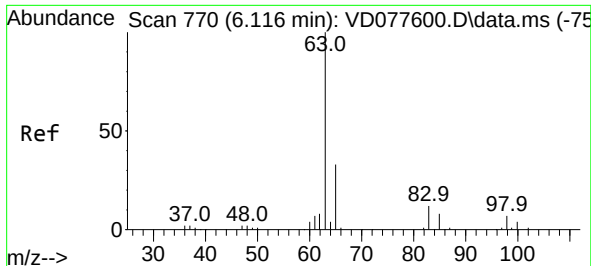
Tgt Ion: 96 Resp: 103234
Ion Ratio Lower Upper
96 100
61 157.9 104.0 193.2
98 59.0 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 26.762 ug/L
RT: 5.316 min Scan# 634
Delta R.T. -0.006 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion: 73 Resp: 253890
Ion Ratio Lower Upper
73 100
43 0.1 16.4 24.6#
57 23.9 19.3 28.9





#19

1,1-Dichloroethane

Concen: 27.041 ug/L

RT: 6.116 min Scan# 71

Delta R.T. -0.000 min

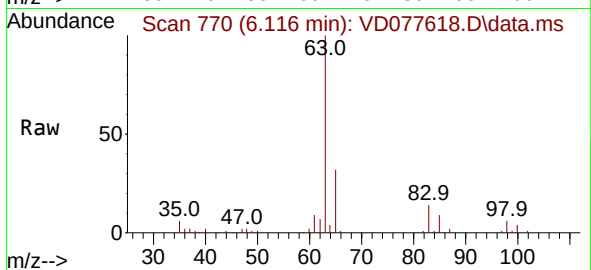
Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

ClientSampleId :



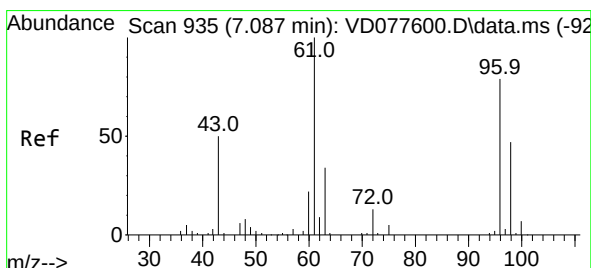
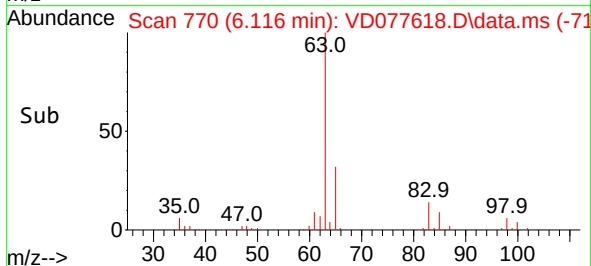
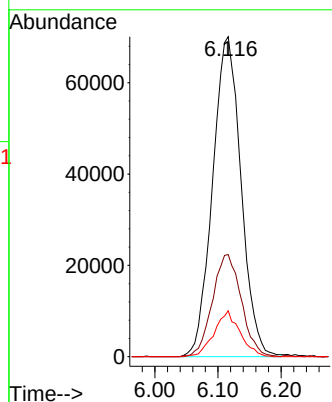
Tgt Ion: 63 Resp: 219297

Ion Ratio Lower Upper

63 100

65 31.9 22.6 42.0

83 14.4 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 26.620 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.006 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

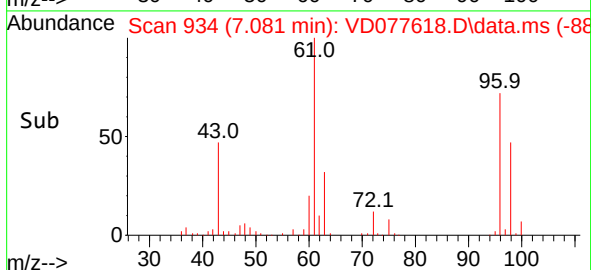
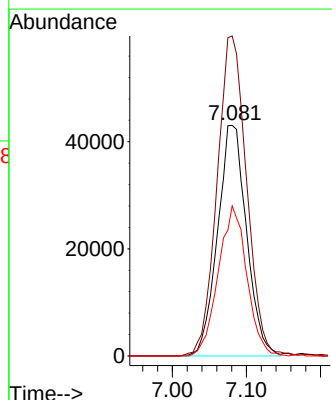
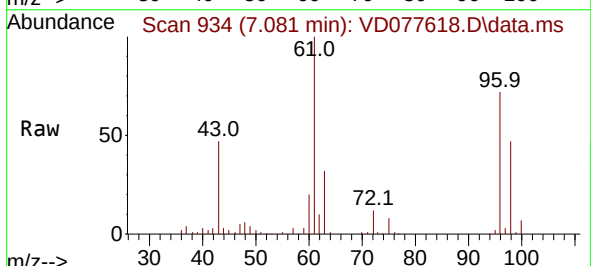
Tgt Ion: 96 Resp: 116897

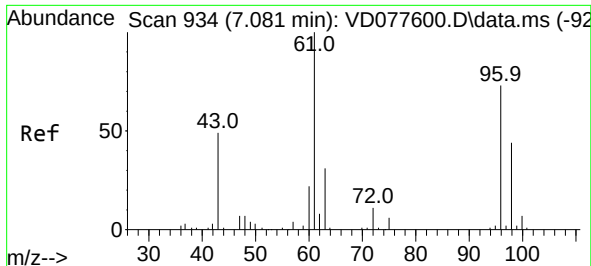
Ion Ratio Lower Upper

96 100

61 138.8 95.0 176.4

98 65.1 43.1 80.1

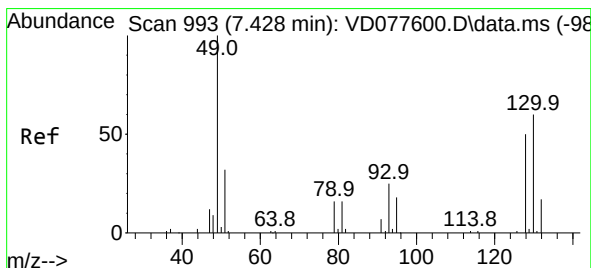
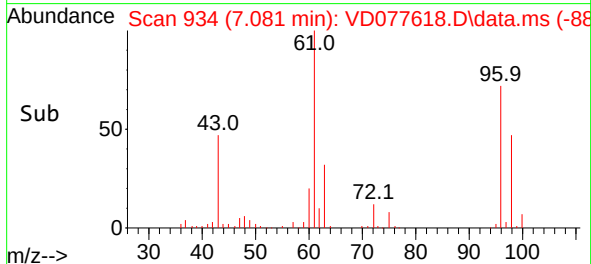
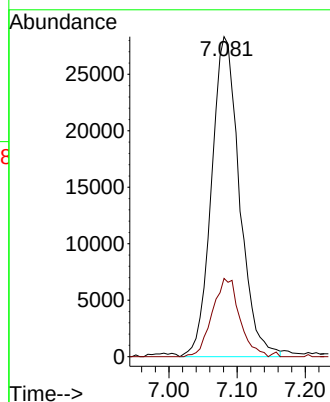
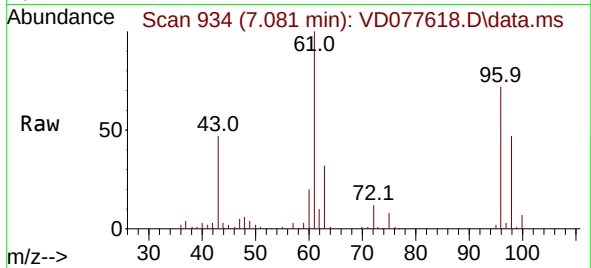




#22
2-Butanone
Concen: 53.887 ug/L
RT: 7.081 min Scan# 911
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

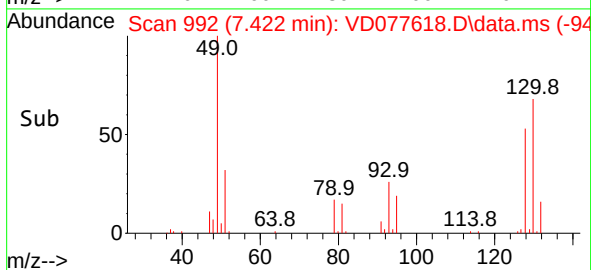
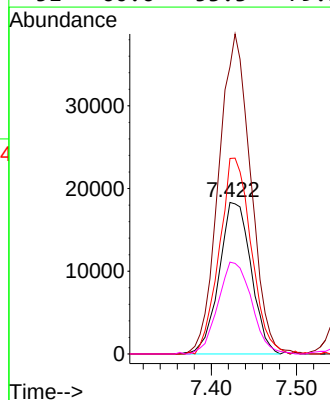
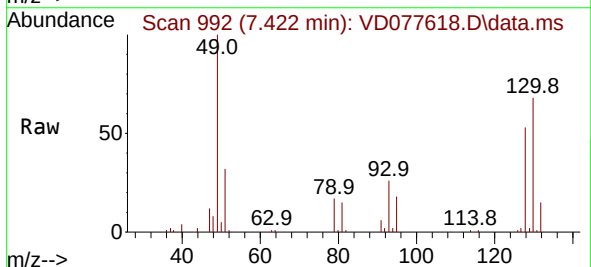
Instrument :
MSVOA_D
ClientSampleId :

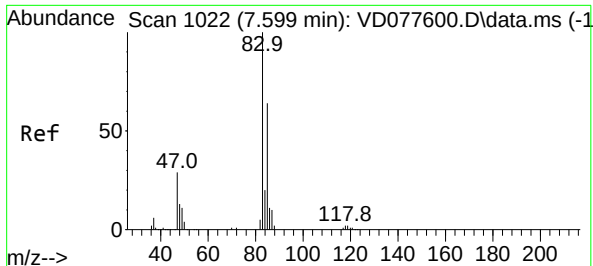
Tgt Ion: 43 Resp: 81107
Ion Ratio Lower Upper
43 100
72 23.8 12.8 38.4



#23
Bromochloromethane
Concen: 27.023 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion:128 Resp: 47682
Ion Ratio Lower Upper
128 100
49 189.5 146.7 272.5
130 129.1 83.2 154.6
51 60.6 53.3 79.9





#25

Chloroform

Concen: 27.881 ug/L

RT: 7.598 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

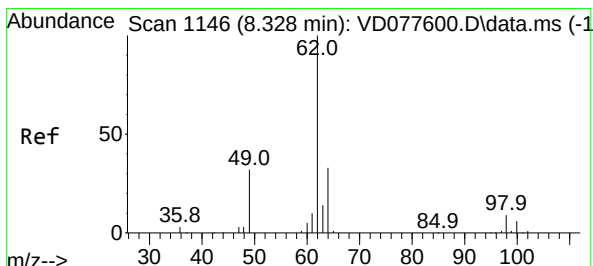
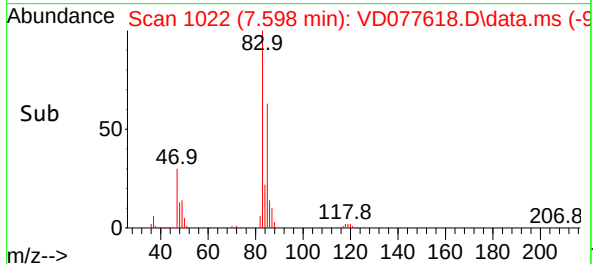
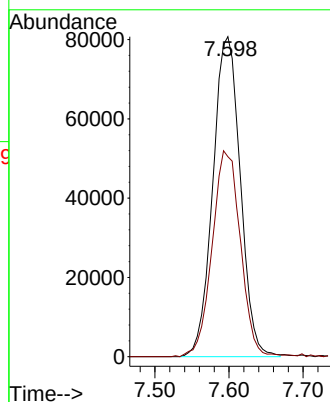
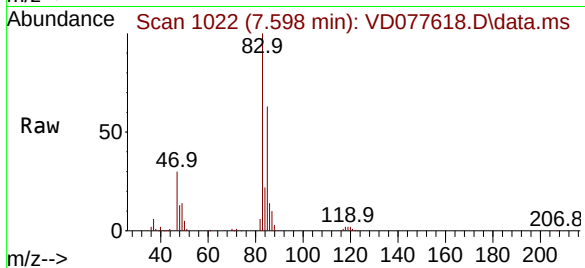
ClientSampleId :

Tgt Ion: 83 Resp: 207714

Ion Ratio Lower Upper

83 100

85 62.5 45.9 85.3



#27

1,2-Dichloroethane

Concen: 27.903 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD077618.D

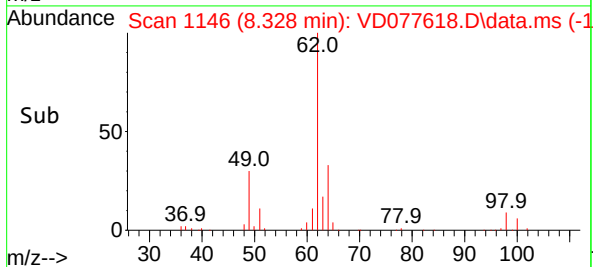
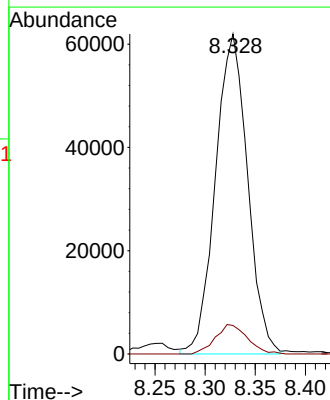
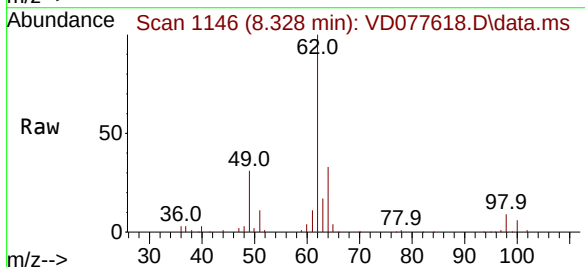
Acq: 18 Nov 2023 09:14

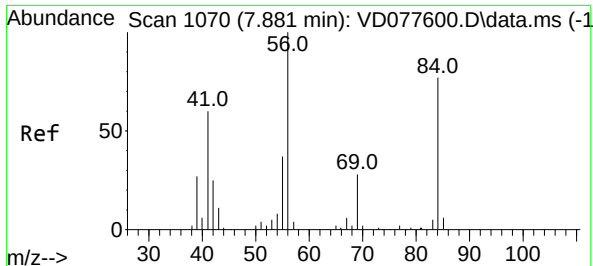
Tgt Ion: 62 Resp: 137802

Ion Ratio Lower Upper

62 100

98 8.9 8.0 12.0





#29

Cyclohexane

Concen: 24.368 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

ClientSampleId :

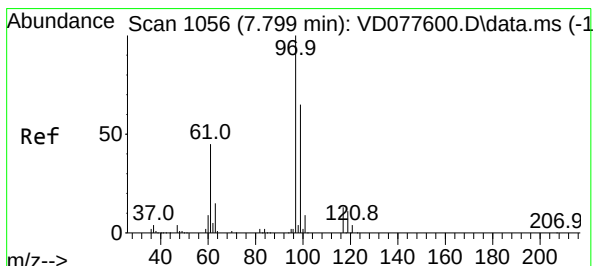
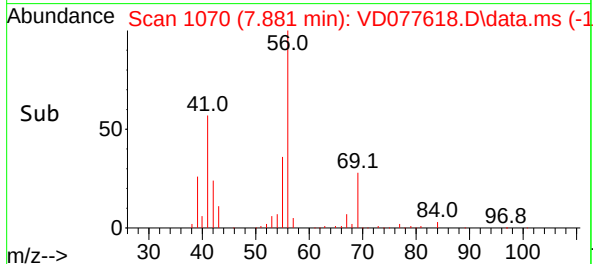
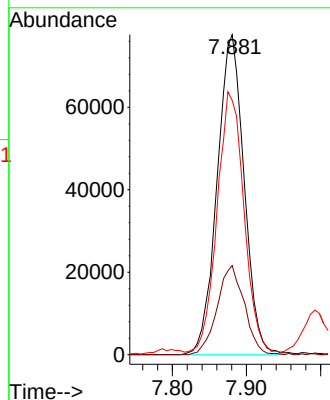
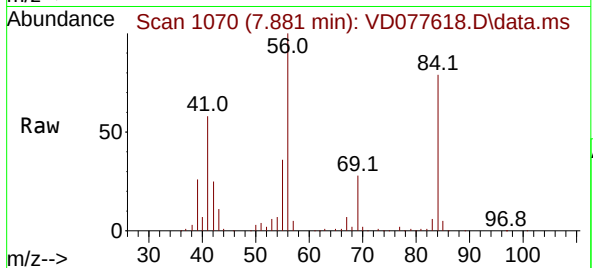
Tgt Ion: 56 Resp: 196191

Ion Ratio Lower Upper

56 100

69 28.0 22.6 33.8

84 82.7 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 27.640 ug/L

RT: 7.798 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

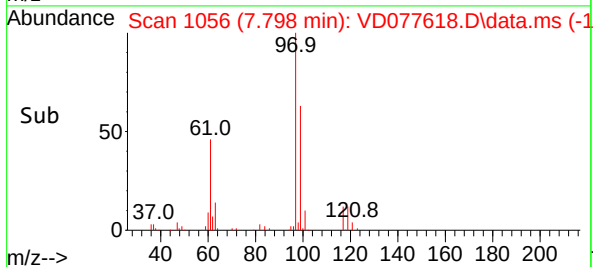
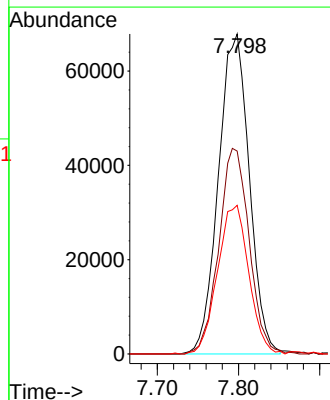
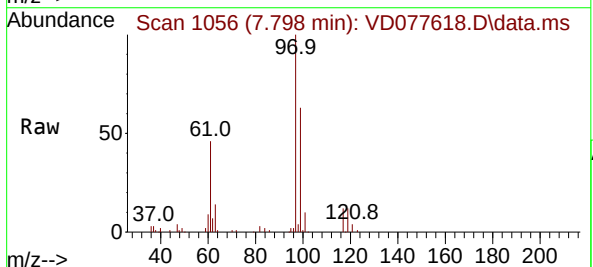
Tgt Ion: 97 Resp: 179425

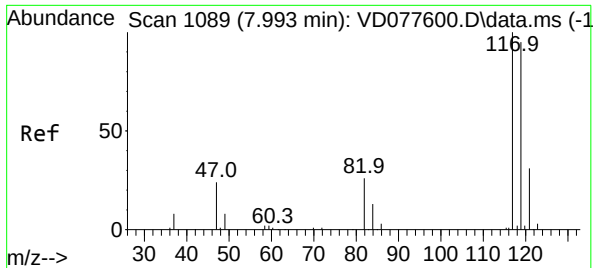
Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.2

61 47.0 38.1 57.1

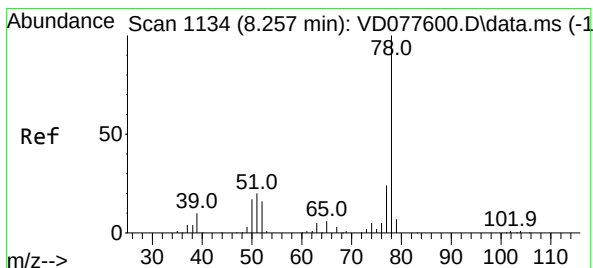
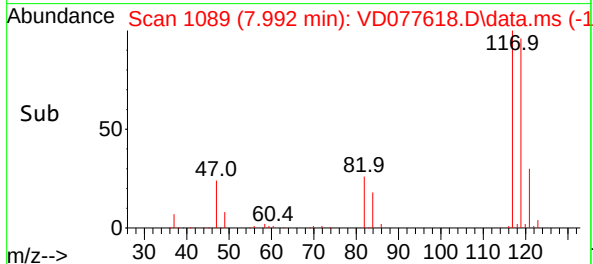
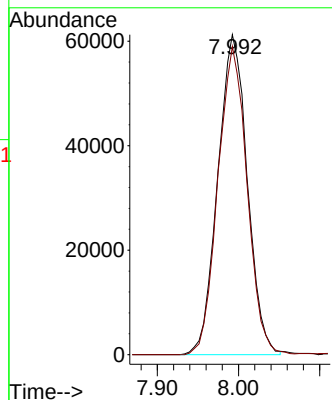
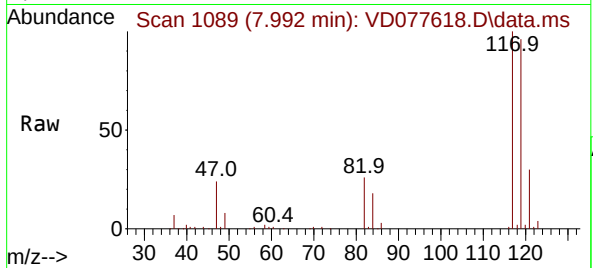




#31
Carbon tetrachloride
Concen: 27.720 ug/L
RT: 7.992 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

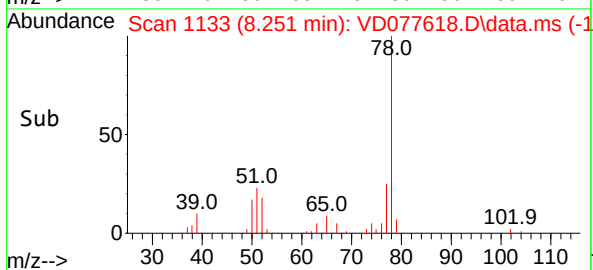
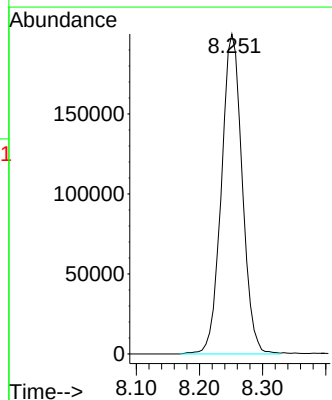
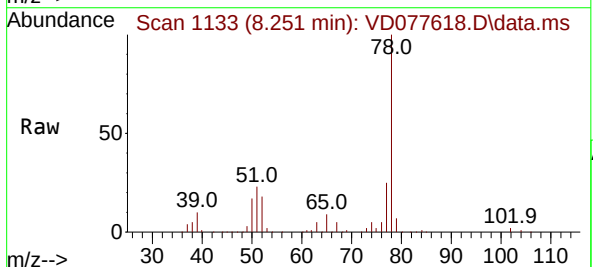
Instrument :
MSVOA_D
ClientSampleId :

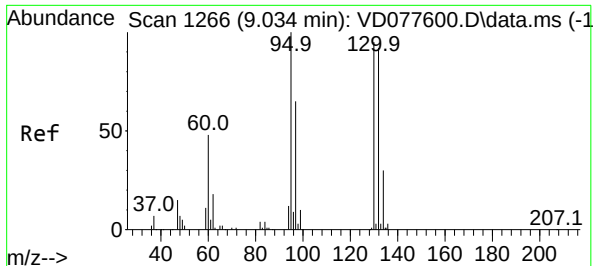
Tgt Ion:117 Resp: 154646
Ion Ratio Lower Upper
117 100
119 95.1 75.4 113.0



#33
Benzene
Concen: 26.652 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

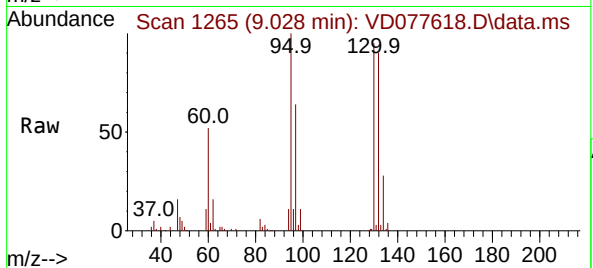
Tgt Ion: 78 Resp: 458296



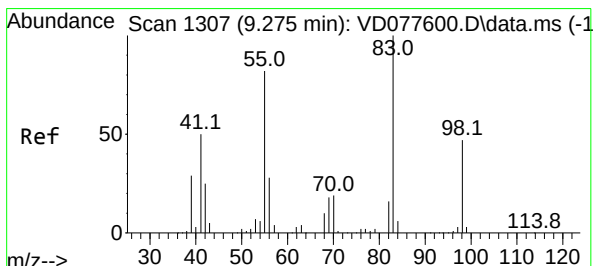
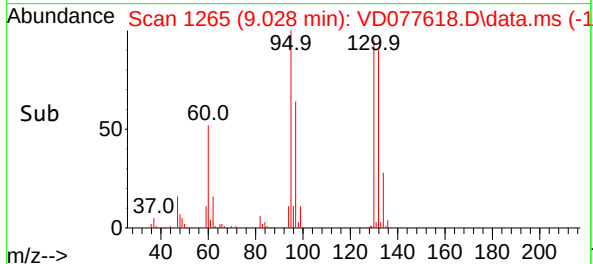
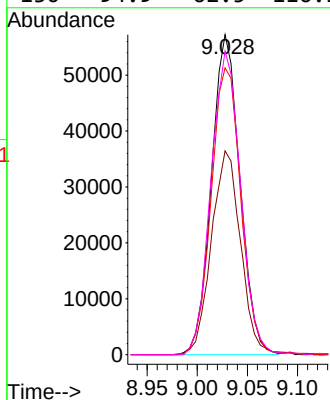


#34
Trichloroethene
Concen: 26.533 ug/L
RT: 9.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Instrument :
MSVOA_D
ClientSampleId :

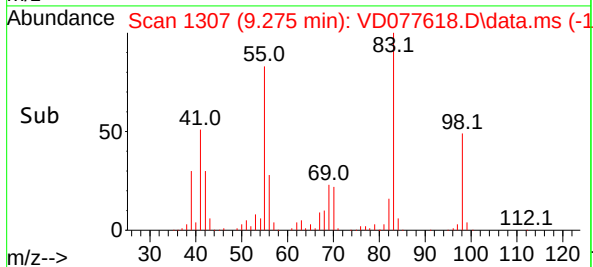
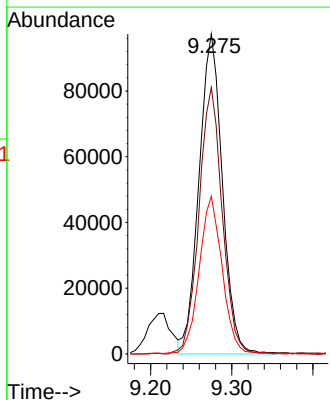
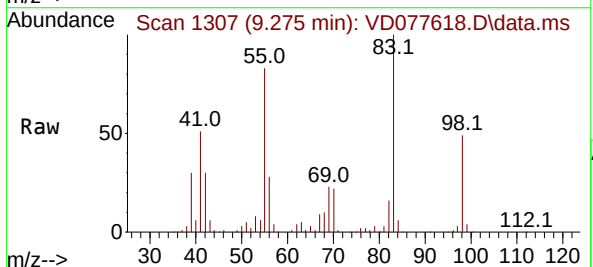


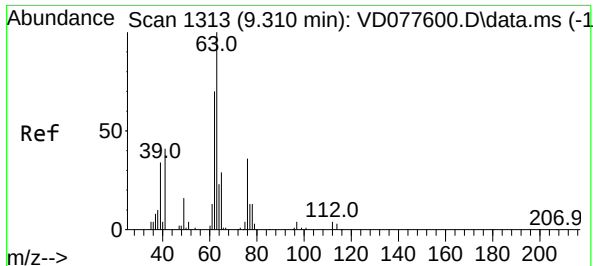
Tgt Ion: 95 Resp: 113056
Ion Ratio Lower Upper
95 100
97 63.7 42.4 78.6
132 89.6 59.4 110.2
130 94.9 62.5 116.1



#35
Methylcyclohexane
Concen: 25.337 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion: 83 Resp: 194814
Ion Ratio Lower Upper
83 100
55 82.5 66.5 99.7
98 48.3 37.4 56.2





#37

1,2-Dichloropropane

Concen: 26.390 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

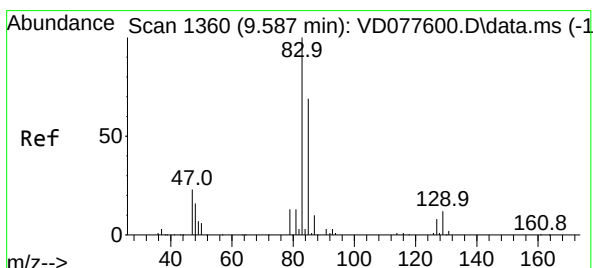
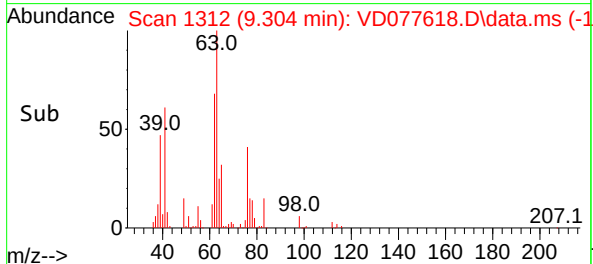
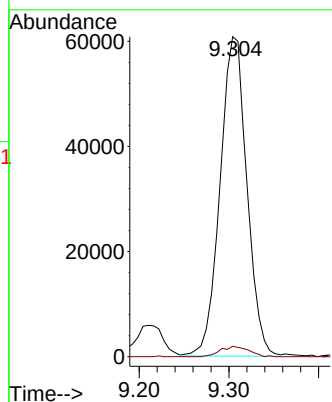
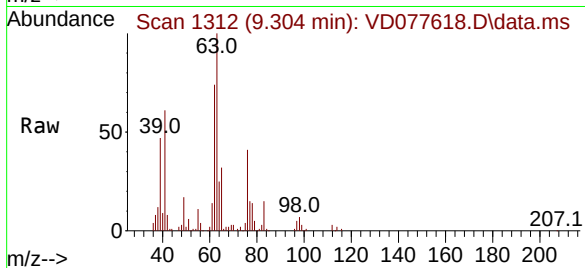
ClientSampleId :

Tgt Ion: 63 Resp: 126153

Ion Ratio Lower Upper

63 100

112 3.4 3.2 4.8



#38

Bromodichloromethane

Concen: 27.484 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

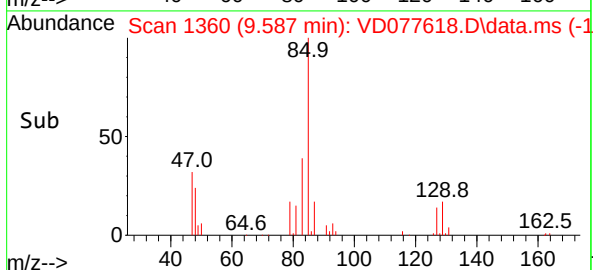
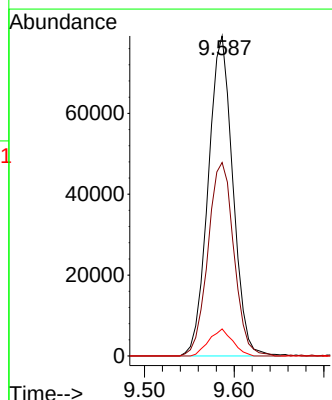
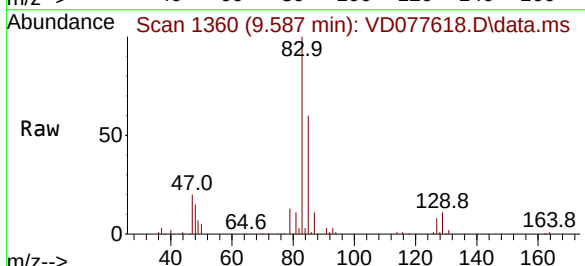
Tgt Ion: 83 Resp: 150704

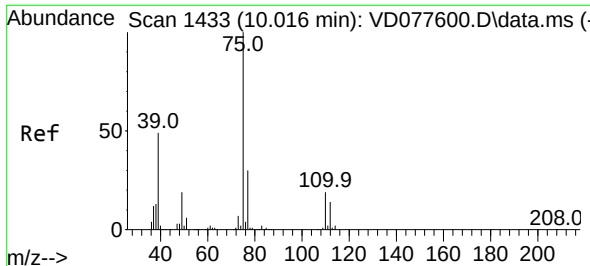
Ion Ratio Lower Upper

83 100

85 60.5 42.4 78.8

127 8.5 6.4 9.6

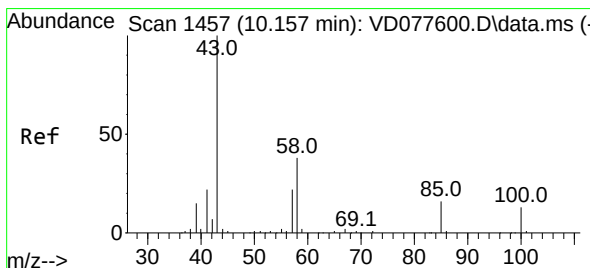
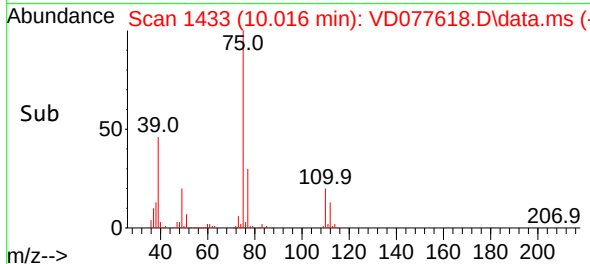
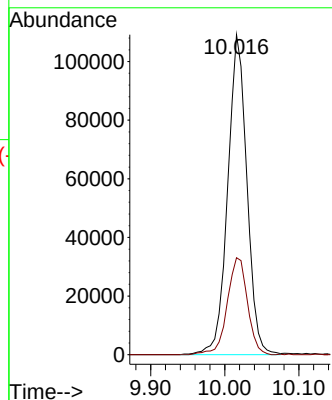
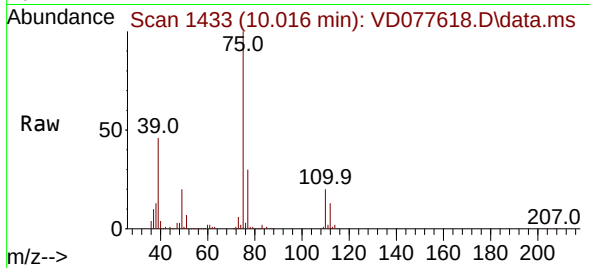




#39
cis-1,3-Dichloropropene
Concen: 26.713 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

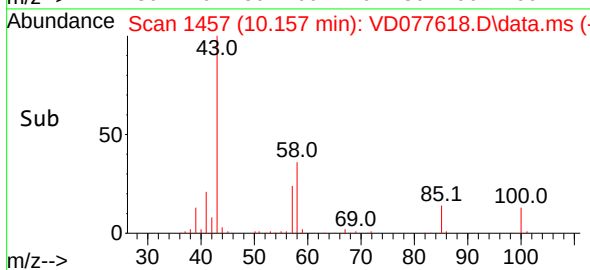
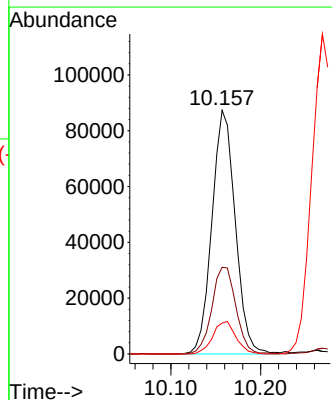
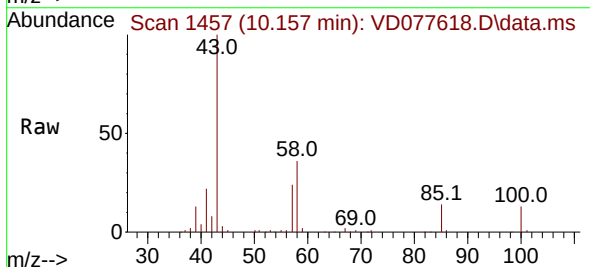
Instrument :
MSVOA_D
ClientSampleId :

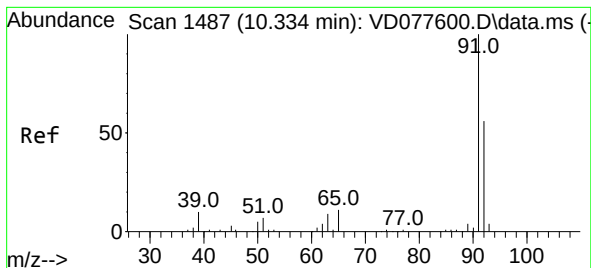
Tgt Ion: 75 Resp: 196224
Ion Ratio Lower Upper
75 100
77 30.3 22.5 41.9



#40
4-Methyl-2-pentanone
Concen: 54.208 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion: 43 Resp: 157915
Ion Ratio Lower Upper
43 100
58 36.5 29.8 44.8
100 13.2 9.5 14.3





#42

Toluene

Concen: 27.266 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

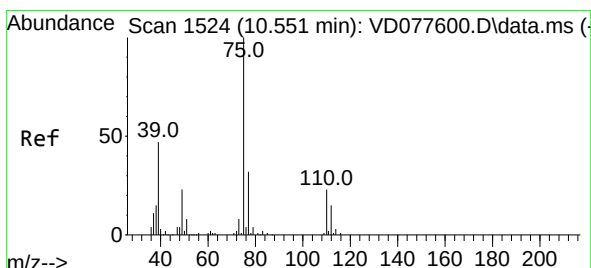
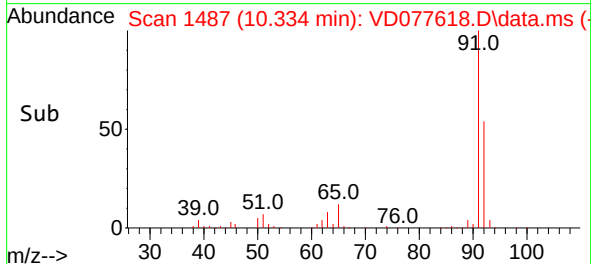
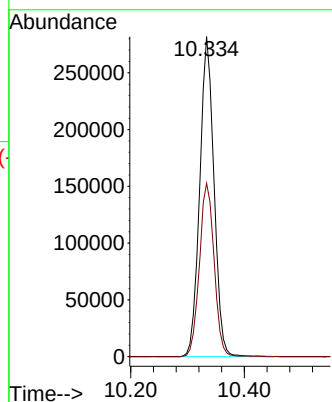
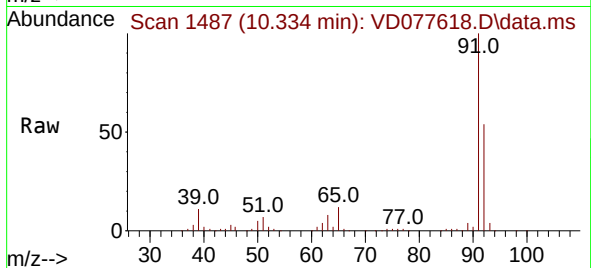
ClientSampleId :

Tgt Ion: 91 Resp: 492245

Ion Ratio Lower Upper

91 100

92 54.2 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 27.092 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD077618.D

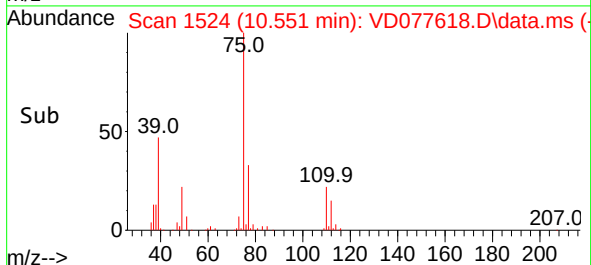
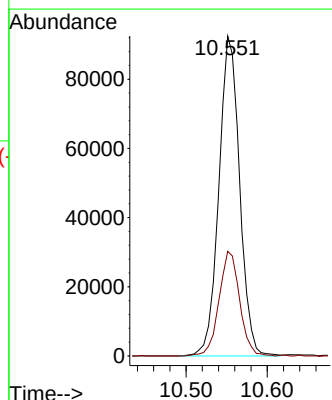
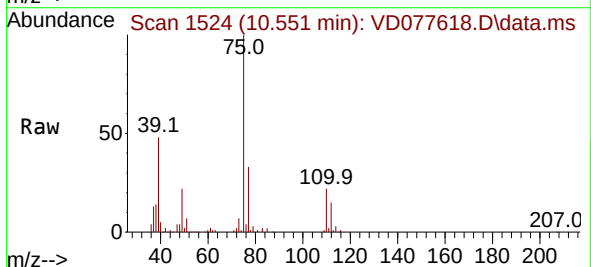
Acq: 18 Nov 2023 09:14

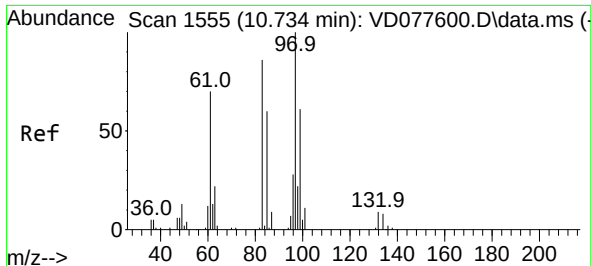
Tgt Ion: 75 Resp: 164444

Ion Ratio Lower Upper

75 100

77 32.7 22.3 41.5

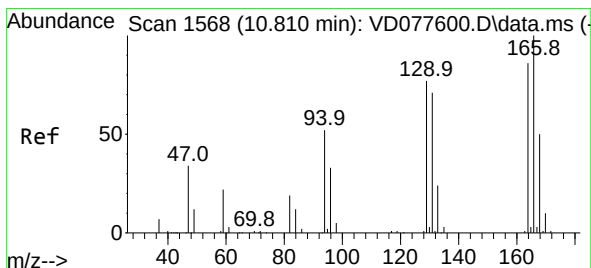
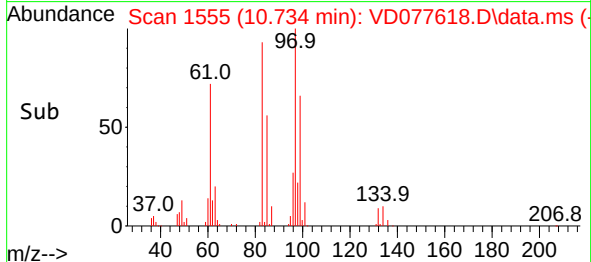
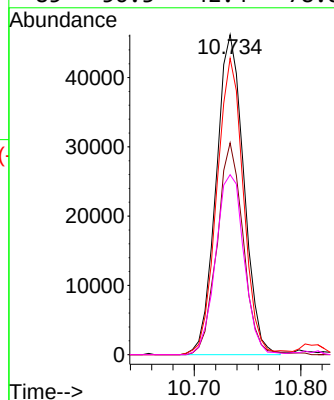
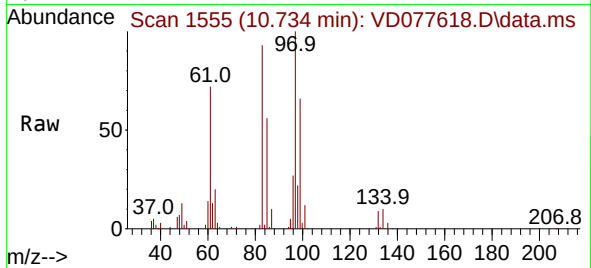




#45
1,1,2-Trichloroethane
Concen: 28.491 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

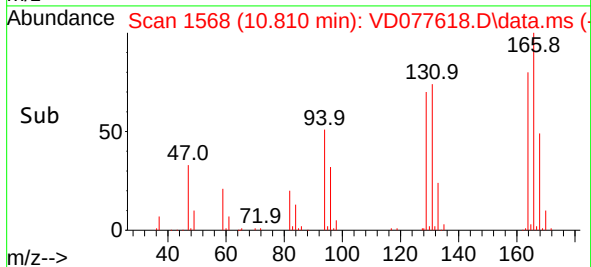
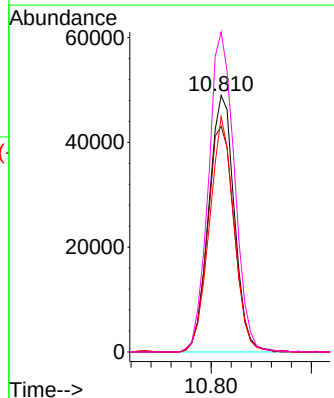
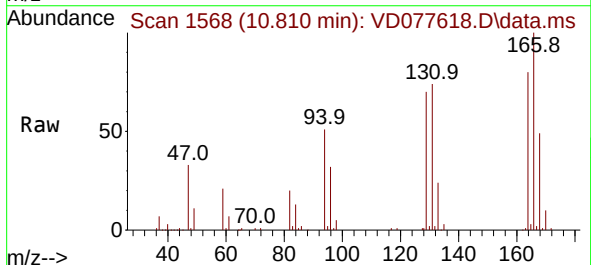
Instrument :
MSVOA_D
ClientSampleId :

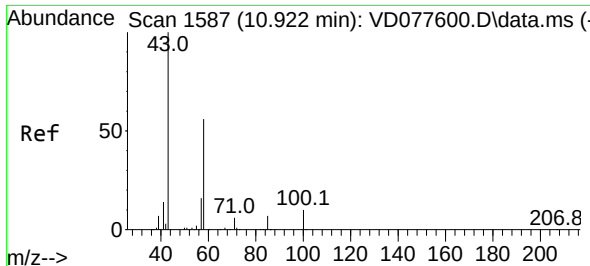
Tgt Ion: 97	Resp: 83254
Ion Ratio	Lower Upper
97 100	
99 66.2	43.5 80.7
83 92.6	63.1 117.3
85 56.3	42.4 78.8



#46
Tetrachloroethene
Concen: 27.698 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

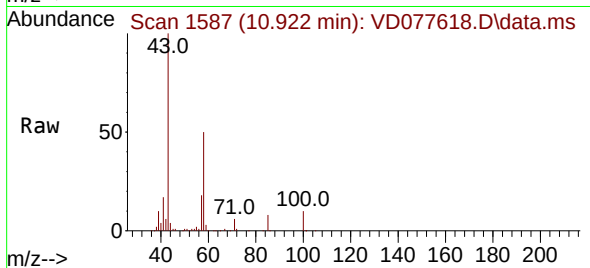
Tgt	Ion:164	Resp:	86835
Ion	Ratio	Lower	Upper
164	100		
129	88.0	60.6	112.6
131	91.8	61.6	114.4
166	124.8	85.4	158.6



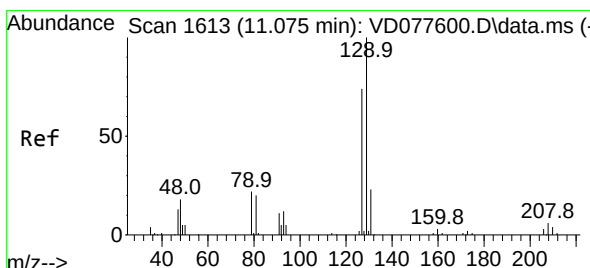
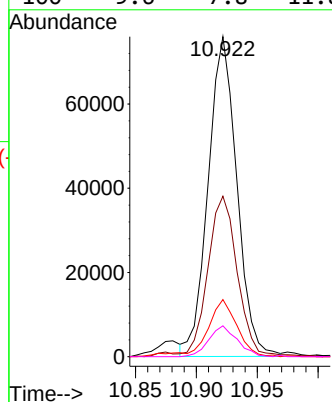
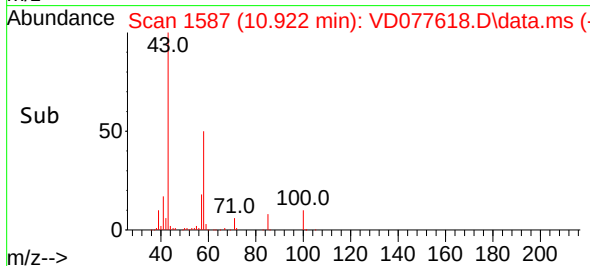


#48
2-Hexanone
Concen: 54.057 ug/L
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Instrument :
MSVOA_D
ClientSampleId :

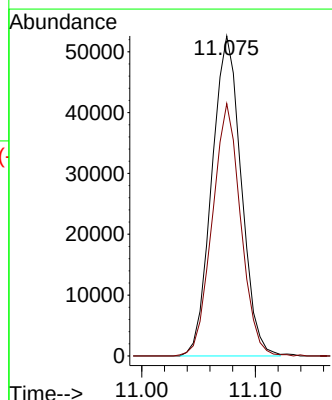
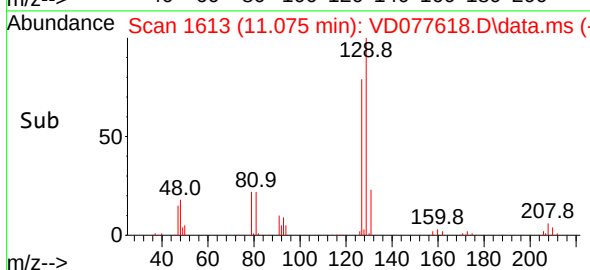
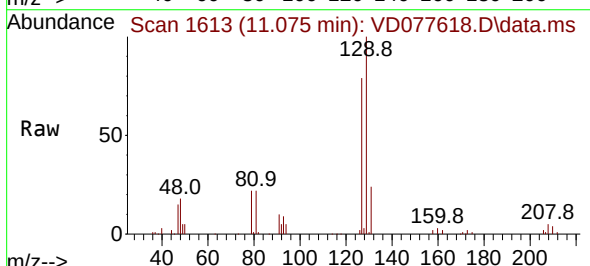


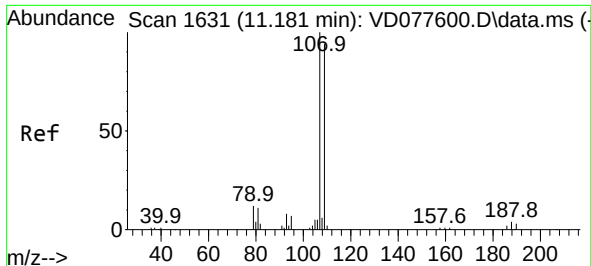
Tgt Ion: 43 Resp: 124821
Ion Ratio Lower Upper
43 100
58 51.6 40.8 61.2
57 17.3 13.7 20.5
100 9.6 7.8 11.8



#49
Dibromochloromethane
Concen: 28.476 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

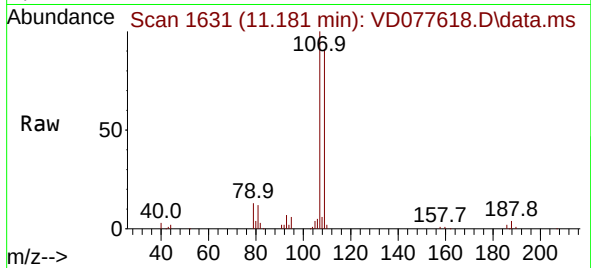
Tgt Ion: 129 Resp: 94517
Ion Ratio Lower Upper
129 100
127 78.9 54.9 102.1



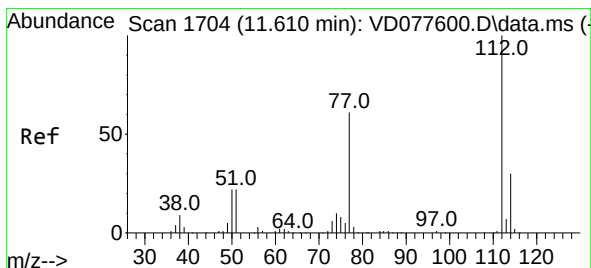
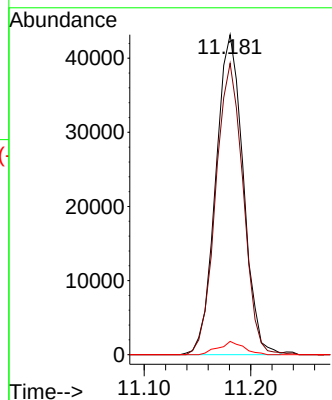
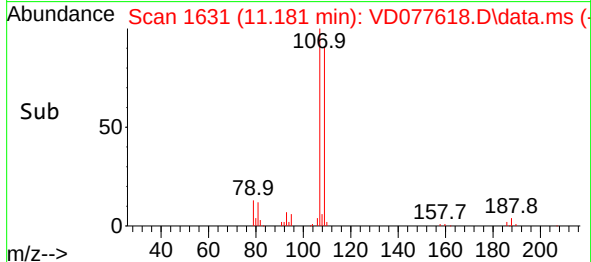


#50
1,2-Dibromoethane
Concen: 27.670 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Instrument :
MSVOA_D
ClientSampleId :

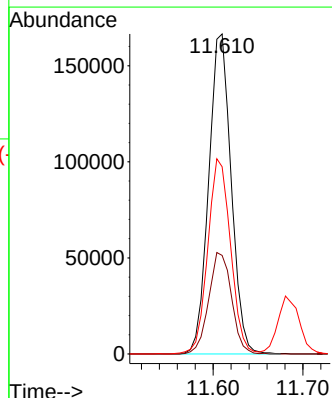
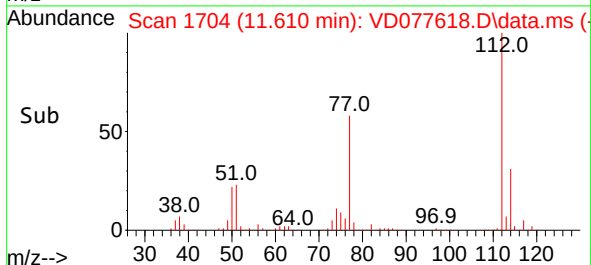
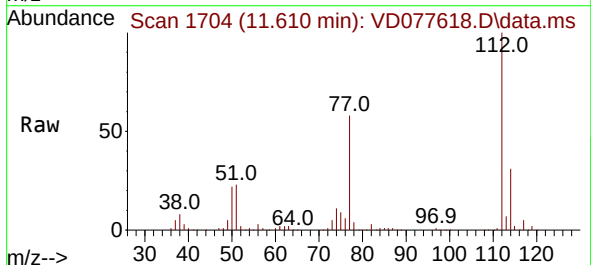


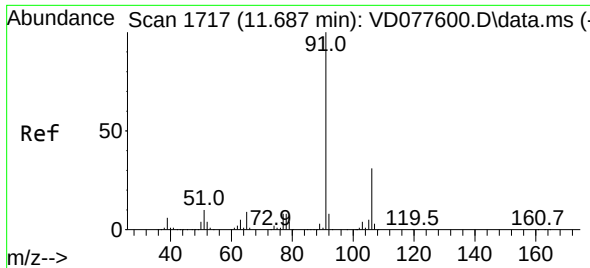
Tgt Ion:107 Resp: 77318
Ion Ratio Lower Upper
107 100
109 91.1 64.8 120.3
188 4.1 3.2 4.8



#51
Chlorobenzene
Concen: 27.380 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion:112 Resp: 289594
Ion Ratio Lower Upper
112 100
114 30.8 22.4 41.6
77 58.5 49.6 74.4

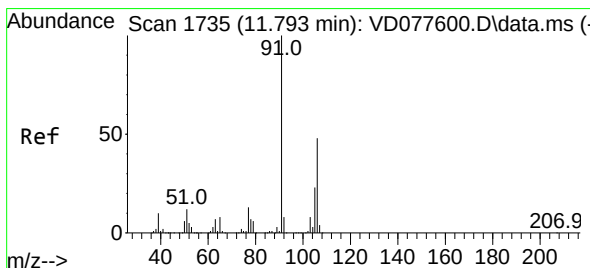
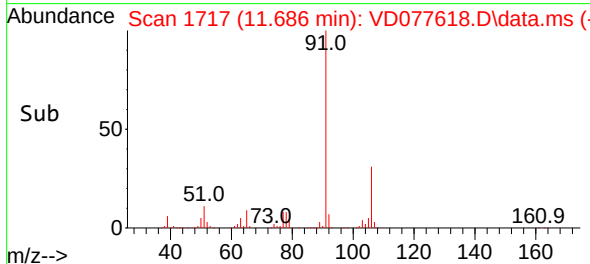
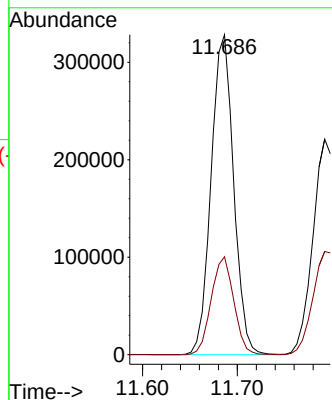
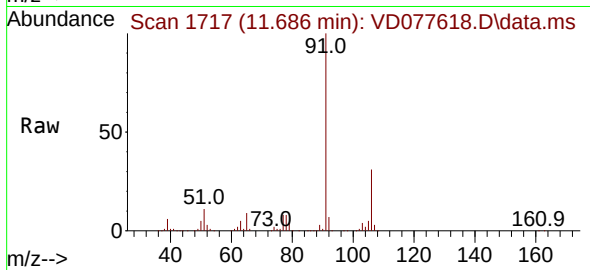




#52
Ethylbenzene
Concen: 27.307 ug/L
RT: 11.686 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

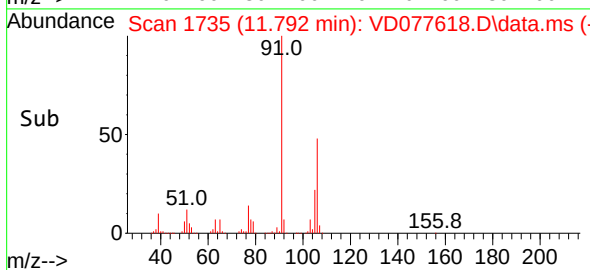
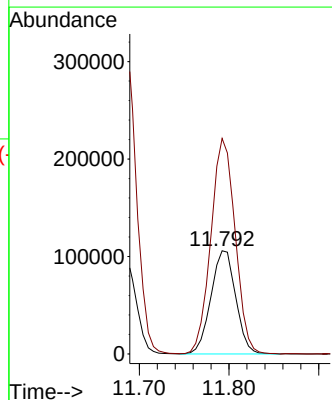
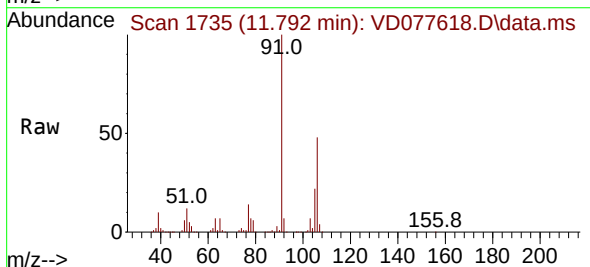
Instrument :
MSVOA_D
ClientSampleId :

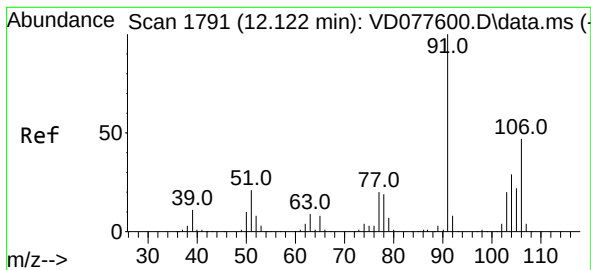
Tgt Ion: 91 Resp: 542454
Ion Ratio Lower Upper
91 100
106 30.6 22.0 40.8



#53
m,p-Xylene
Concen: 28.119 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion: 106 Resp: 203265
Ion Ratio Lower Upper
106 100
91 208.8 146.7 272.4





#54

o-Xylene

Concen: 27.880 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

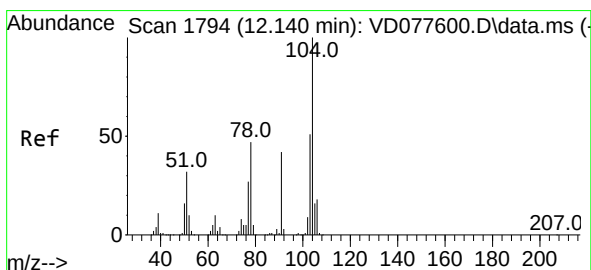
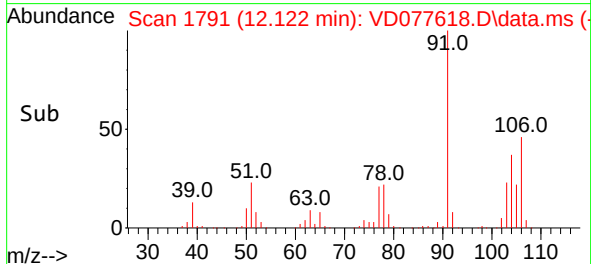
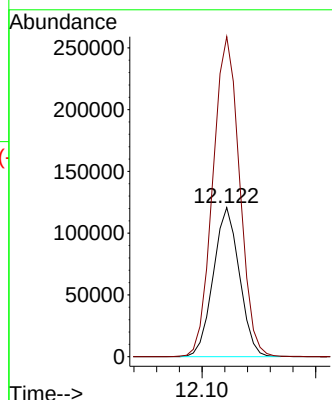
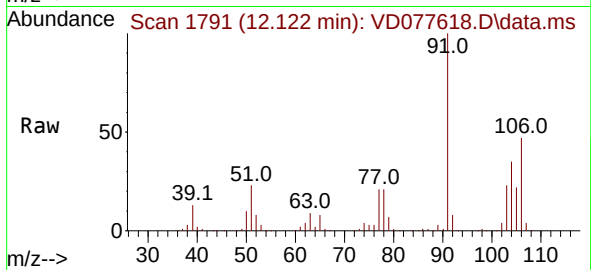
ClientSampleId :

Tgt Ion:106 Resp: 193021

Ion Ratio Lower Upper

106 100

91 214.5 158.5 294.4



#55

Styrene

Concen: 28.431 ug/L

RT: 12.133 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VD077618.D

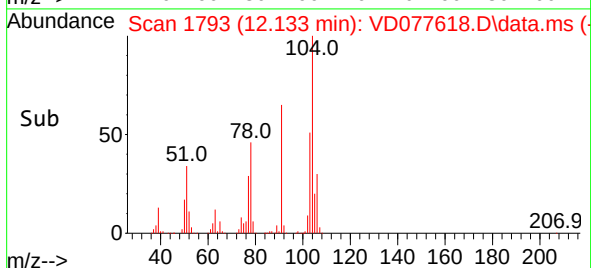
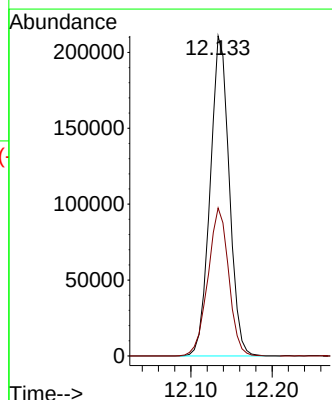
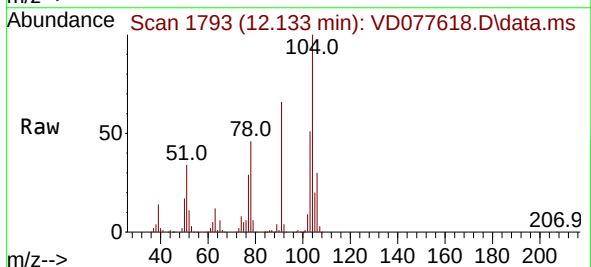
Acq: 18 Nov 2023 09:14

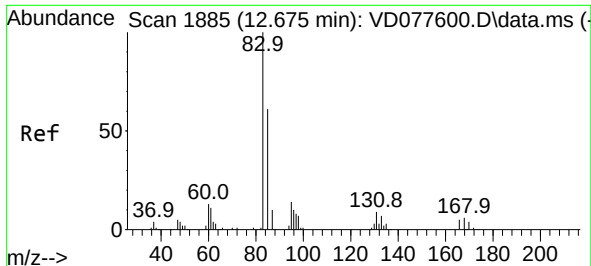
Tgt Ion:104 Resp: 343688

Ion Ratio Lower Upper

104 100

78 46.2 34.9 64.9

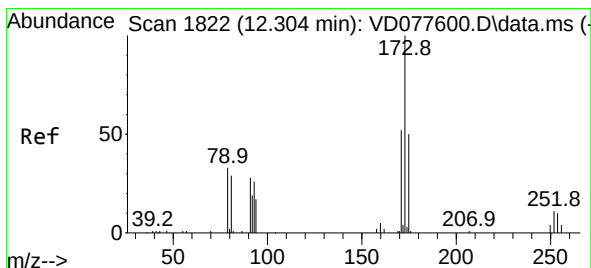
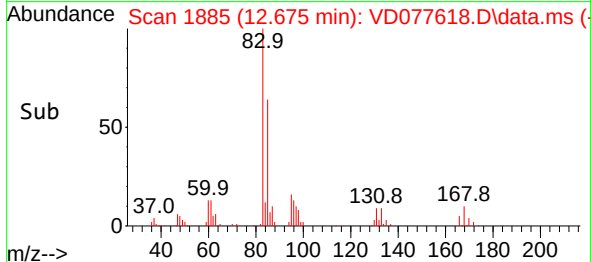
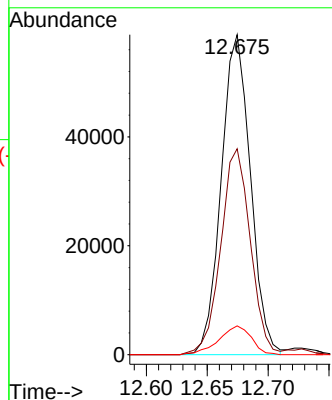
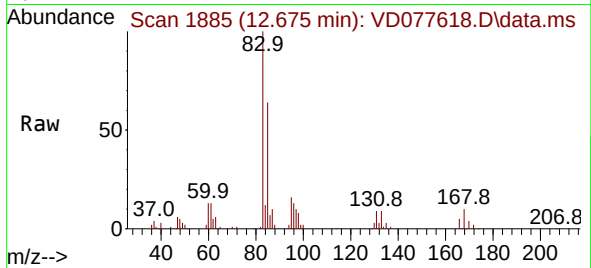




#57
1,1,2,2-Tetrachloroethane
Concen: 28.499 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

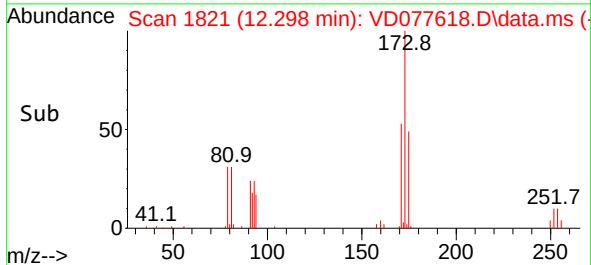
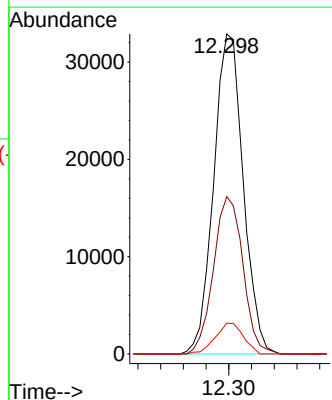
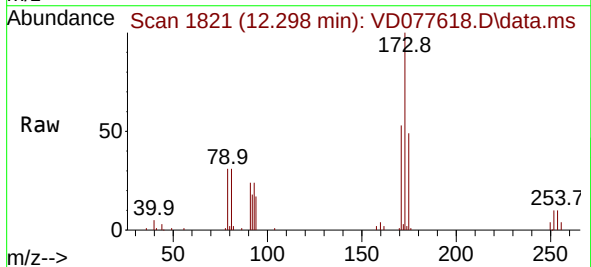
Instrument :
MSVOA_D
ClientSampleId :

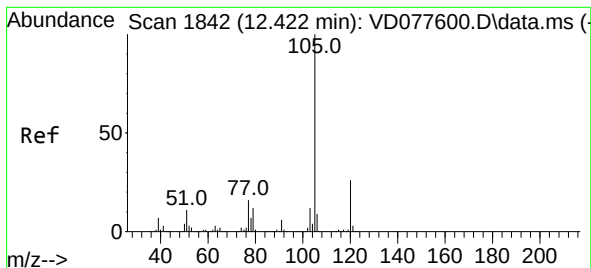
Tgt Ion: 83 Resp: 98101
Ion Ratio Lower Upper
83 100
85 64.3 44.9 83.3
131 9.0 7.2 10.8



#59
Bromoform
Concen: 27.063 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion:173 Resp: 59395
Ion Ratio Lower Upper
173 100
175 48.9 38.2 57.2
254 9.1 7.1 10.7





#60

Isopropylbenzene

Concen: 25.912 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

ClientSampleId :

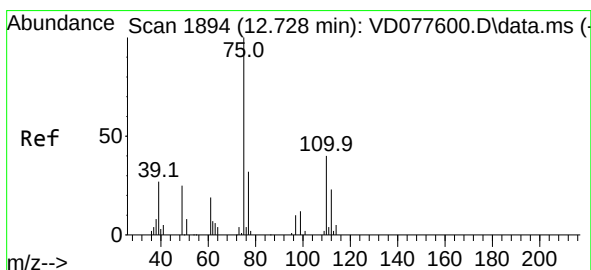
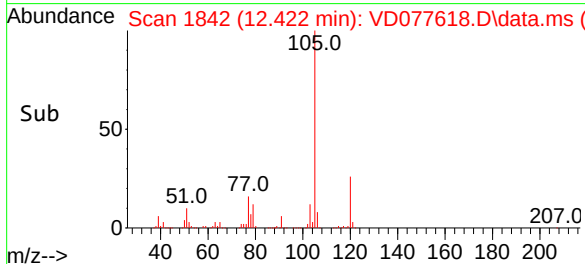
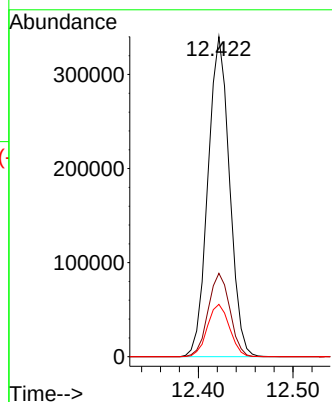
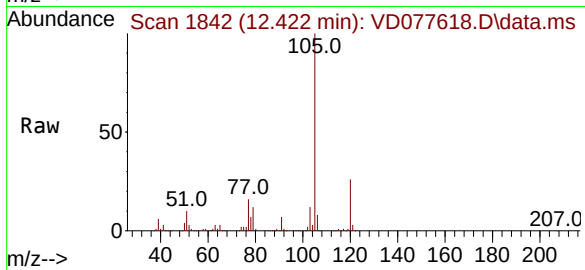
Tgt Ion:105 Resp: 539536

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

77 16.7 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 25.375 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

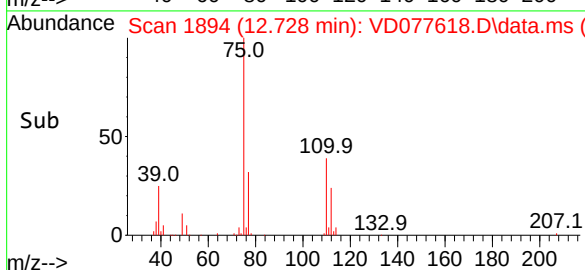
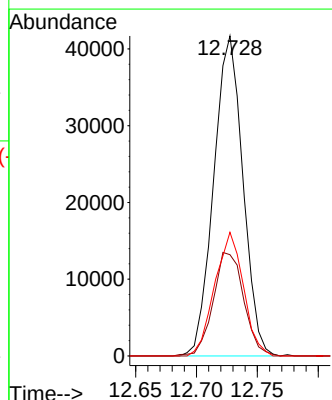
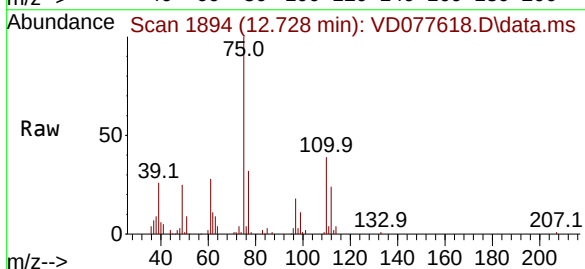
Tgt Ion: 75 Resp: 69580

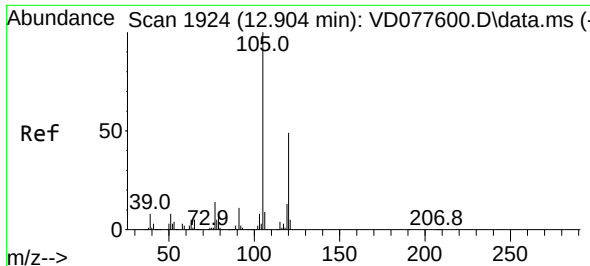
Ion Ratio Lower Upper

75 100

77 33.6 25.6 38.4

110 38.0 29.6 44.4

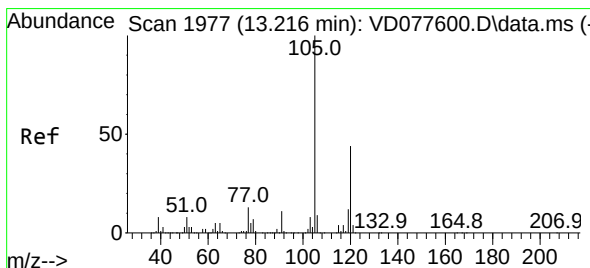
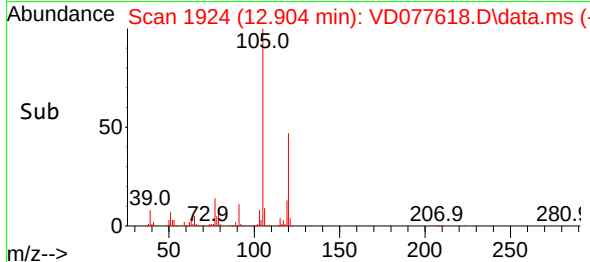
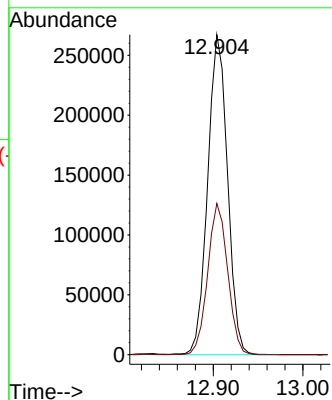
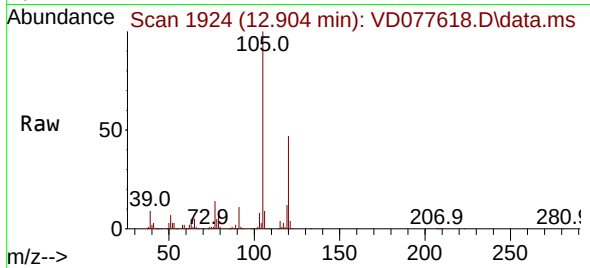




#62
 1,3,5-Trimethylbenzene
 Concen: 25.965 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: VD077618.D
 Acq: 18 Nov 2023 09:14

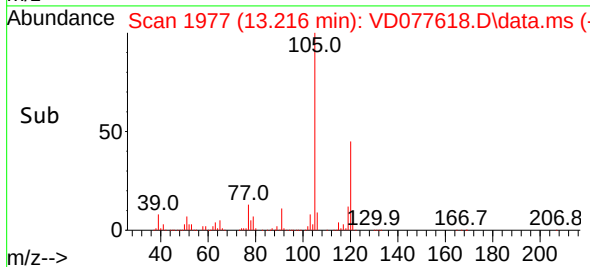
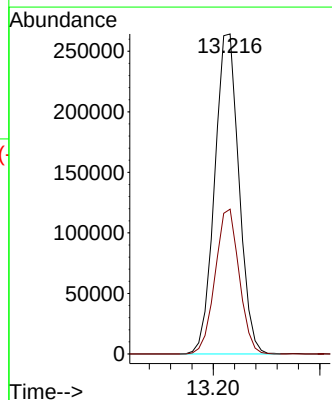
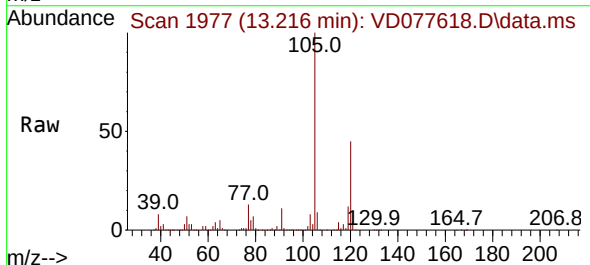
Instrument :
 MSVOA_D
 ClientSampleId :

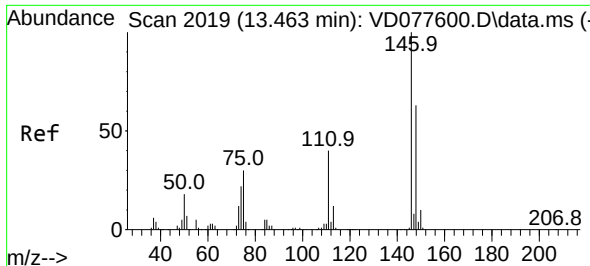
Tgt Ion:105 Resp: 410325
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.8 56.6



#63
 1,2,4-Trimethylbenzene
 Concen: 26.117 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD077618.D
 Acq: 18 Nov 2023 09:14

Tgt Ion:105 Resp: 418082
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.6 53.4

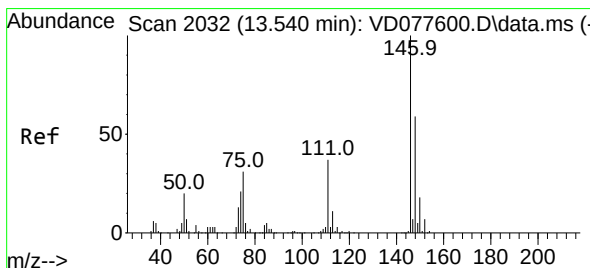
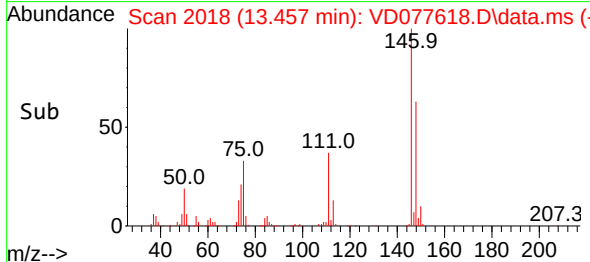
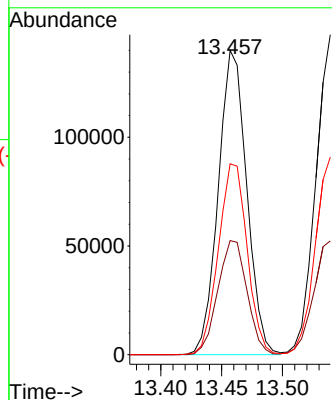
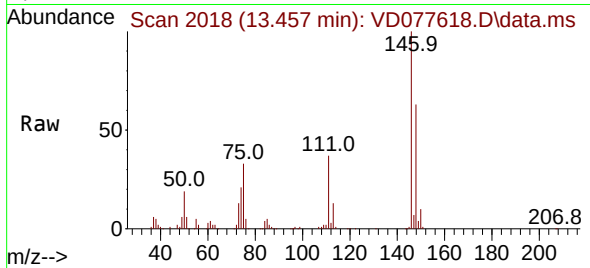




#64
1,3-Dichlorobenzene
Concen: 26.684 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

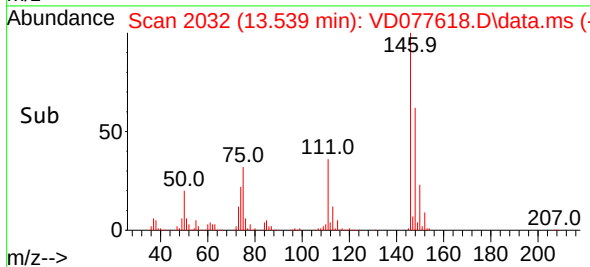
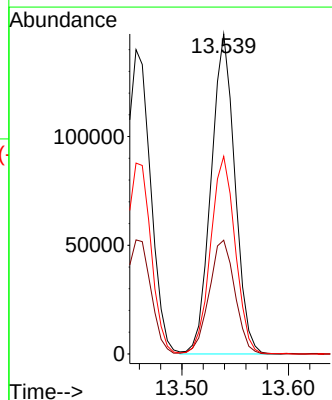
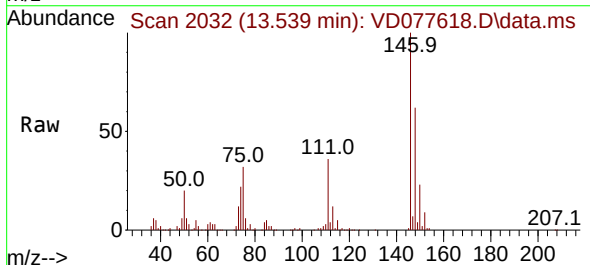
Instrument :
MSVOA_D
ClientSampleId :

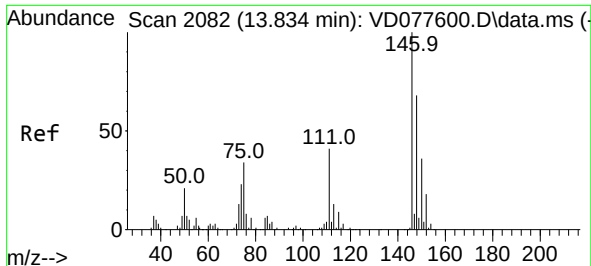
Tgt Ion:146 Resp: 227939
Ion Ratio Lower Upper
146 100
111 37.5 27.2 50.6
148 62.7 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 26.502 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion:146 Resp: 228470
Ion Ratio Lower Upper
146 100
111 35.6 25.6 47.4
148 61.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 26.722 ug/L

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

ClientSampleId :

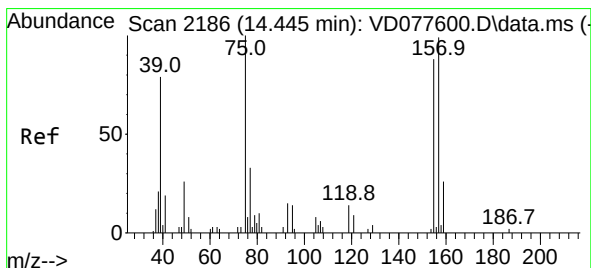
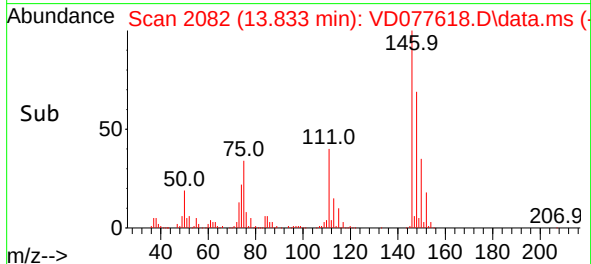
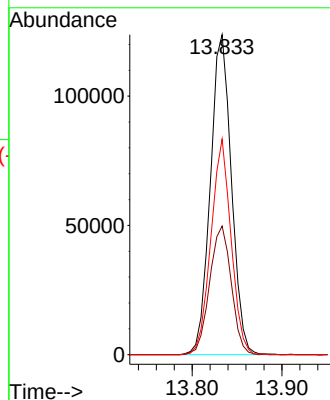
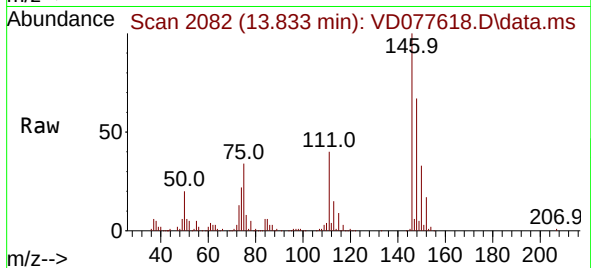
Tgt Ion:146 Resp: 201809

Ion Ratio Lower Upper

146 100

111 40.2 33.8 50.6

148 67.4 54.3 81.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.859 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

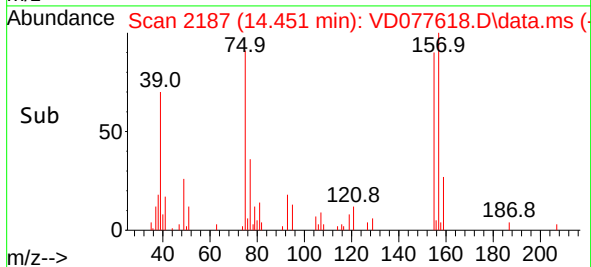
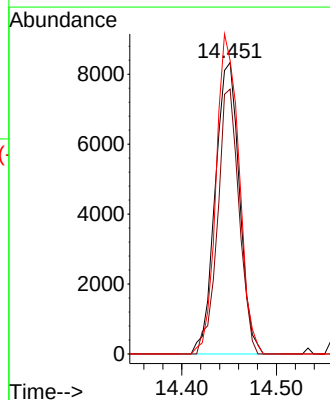
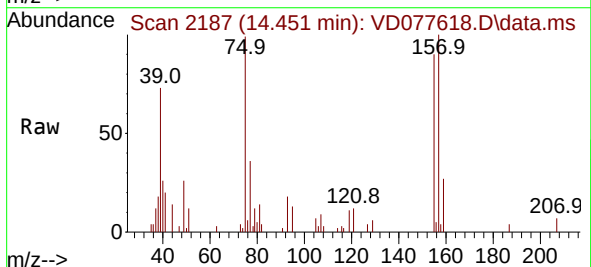
Tgt Ion: 75 Resp: 14827

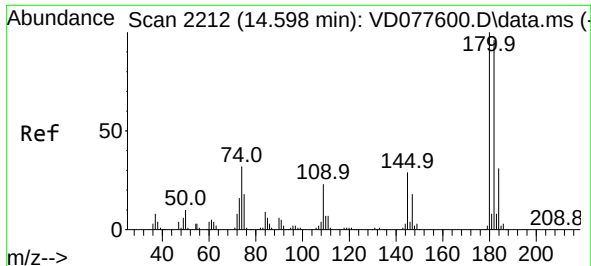
Ion Ratio Lower Upper

75 100

155 90.9 58.2 87.2#

157 100.7 68.7 103.1





#69

1,3,5-Trichlorobenzene

Concen: 26.253 ug/L

RT: 14.598 min Scan# 21

Delta R.T. -0.000 min

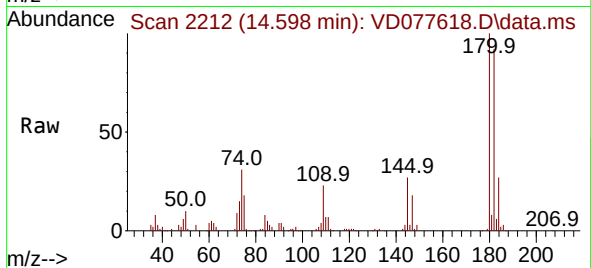
Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 152698

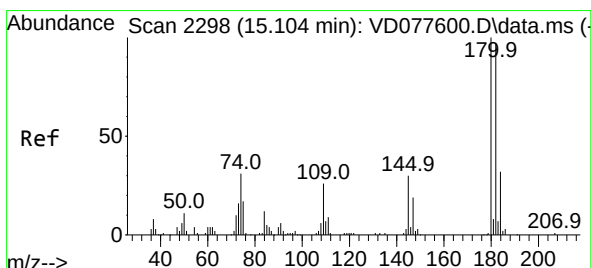
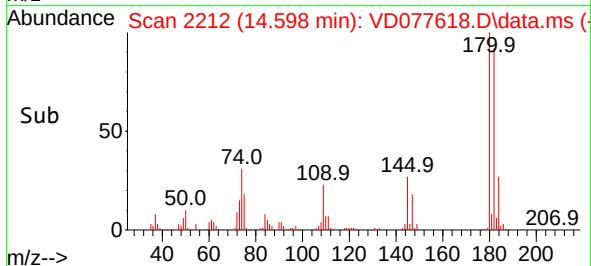
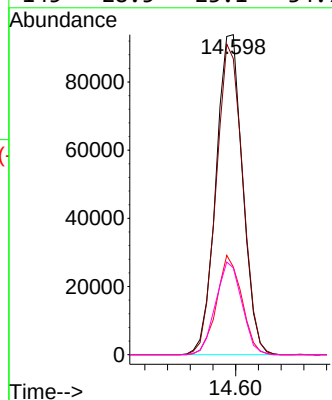
Ion Ratio Lower Upper

180 100

182 96.7 76.1 114.1

184 29.3 24.0 36.0

145 28.5 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 26.615 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD077618.D

Acq: 18 Nov 2023 09:14

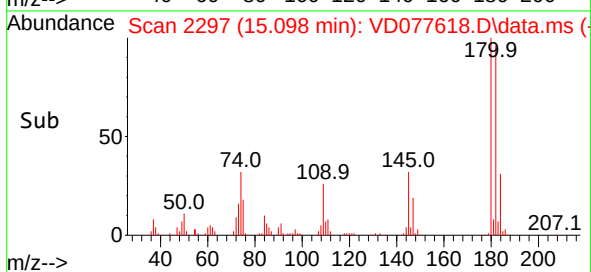
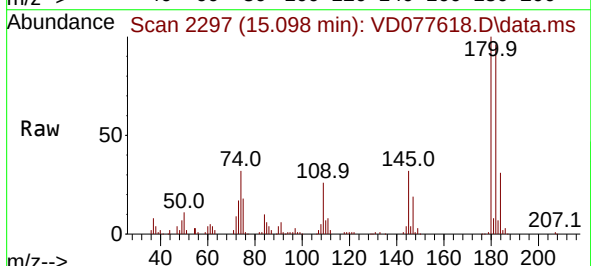
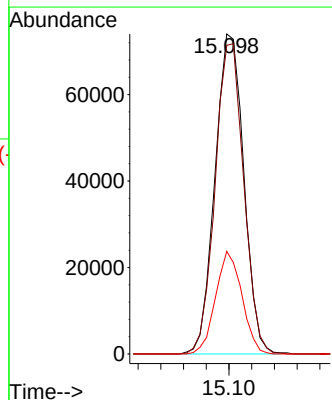
Tgt Ion:180 Resp: 130470

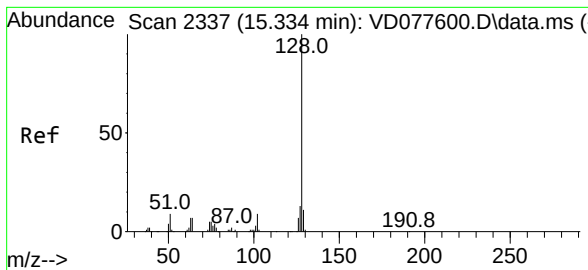
Ion Ratio Lower Upper

180 100

182 96.2 75.8 113.6

145 29.3 24.1 36.1

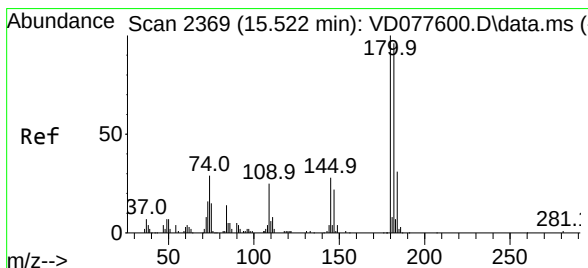
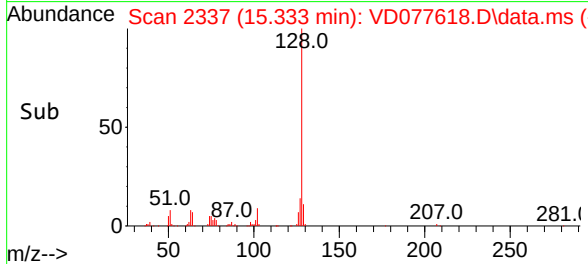
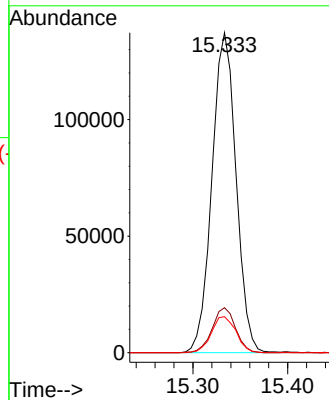
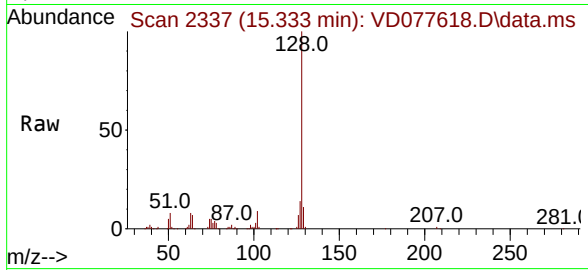




#71
Naphthalene
Concen: 26.285 ug/L
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 242836
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 11.5 9.0 13.6



#72
1,2,3-Trichlorobenzene
Concen: 27.568 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD077618.D
Acq: 18 Nov 2023 09:14

Tgt Ion:180 Resp: 115229
Ion Ratio Lower Upper
180 100
182 93.6 76.8 115.2
145 31.5 26.0 39.0

