

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032323\
 Data File : VD075525.D
 Acq On : 23 Mar 2023 10:44
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025112

Quant Time: Mar 24 01:24:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 23 01:08:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	312999	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	278971	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	147995	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	138825	17.863	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.440%
7) Chloroethane-d5	2.805	69	143526	21.340	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.360%
11) 1,1-Dichloroethene-d2	3.928	63	139458	19.211	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.840%
21) 2-Butanone-d5	6.987	46	36986	51.356	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.720%
24) Chloroform-d	7.569	84	208041	25.363	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.440%
26) 1,2-Dichloroethane-d4	8.234	65	83939	23.621	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.480%
32) Benzene-d6	8.204	84	379334	22.896	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	9.210	67	113865	24.317	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.280%
41) Toluene-d8	10.269	98	354517	23.456	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.840%
43) trans-1,3-Dichloroprop...	10.528	79	47902	25.034	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.120%
47) 2-Hexanone-d5	10.881	63	35383	52.379	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.760%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	108044	27.584	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.320%
66) 1,2-Dichlorobenzene-d4	13.816	152	134118	25.908	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	102466	21.279	ug/L	98
3) Chloromethane	2.146	50	134523	16.612	ug/L	96
5) Vinyl chloride	2.287	62	213222	20.937	ug/L	95
6) Bromomethane	2.693	94	144758	29.991	ug/L	98
8) Chloroethane	2.840	64	145470	22.714	ug/L	100
9) Trichlorofluoromethane	3.181	101	178690	23.438	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	121091	22.992	ug/L	96
12) 1,1-Dichloroethene	3.946	96	105316	22.709	ug/L	83
13) Acetone	4.022	43	33657	41.370	ug/L	92
14) Carbon disulfide	4.275	76	251329	19.381	ug/L	97
15) Methyl Acetate	4.564	43	27756	20.104	ug/L #	75
16) Methylene chloride	4.805	84	125486	18.983	ug/L	96
17) trans-1,2-Dichloroethene	5.316	96	110739	22.276	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	211701	22.915	ug/L #	85
19) 1,1-Dichloroethane	6.116	63	183613	21.833	ug/L	94
20) cis-1,2-Dichloroethene	7.075	96	130628	23.261	ug/L	90
22) 2-Butanone	7.081	43	39688	38.444	ug/L	90
23) Bromochloromethane	7.428	128	58842	24.458	ug/L #	91
25) Chloroform	7.593	83	213312	23.262	ug/L	100

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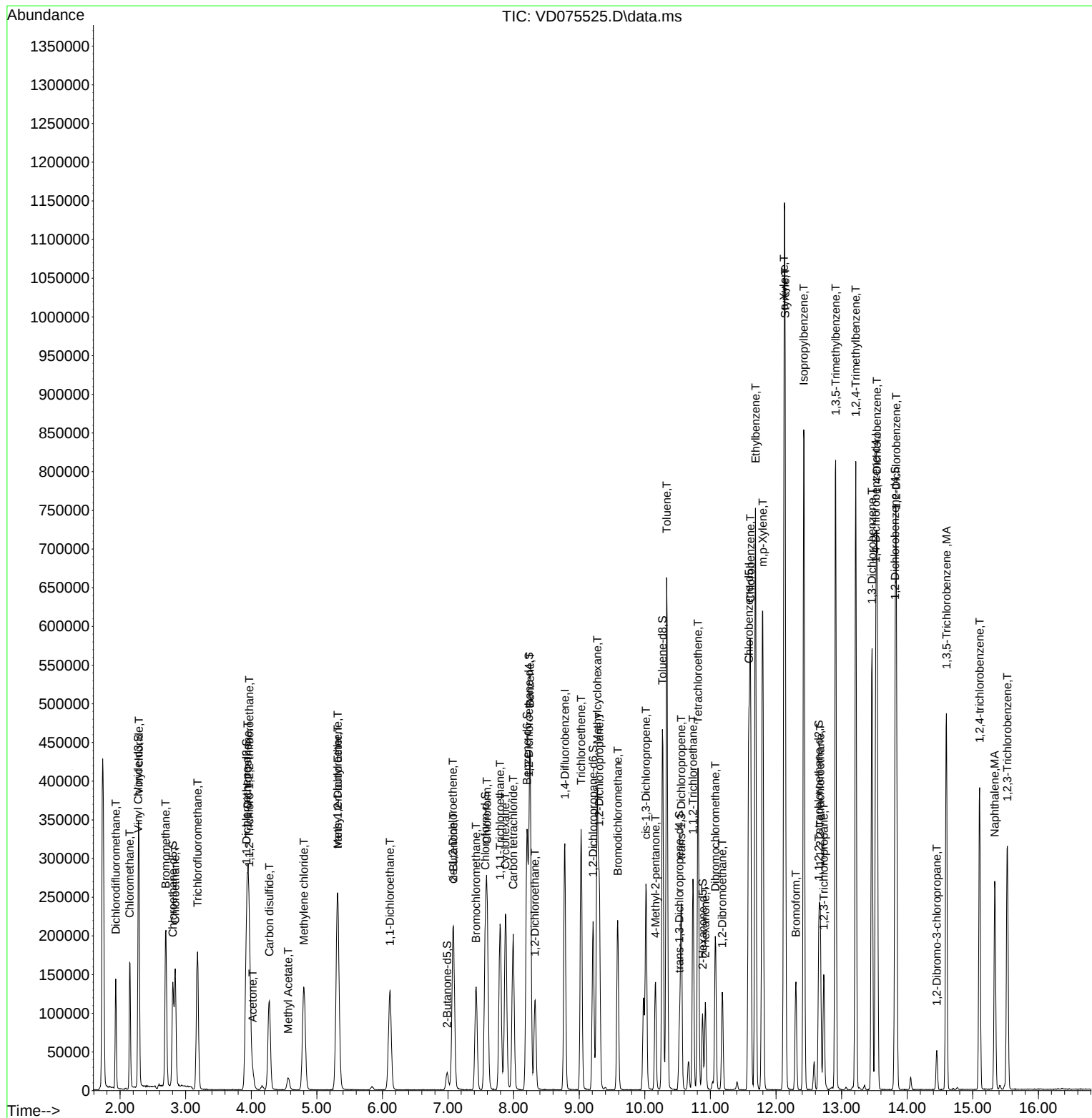
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	105048	21.243	ug/L	96
29) Cyclohexane	7.875	56	120637	20.210	ug/L	91
30) 1,1,1-Trichloroethane	7.793	97	184874	24.646	ug/L	97
31) Carbon tetrachloride	7.993	117	151201	25.379	ug/L	100
33) Benzene	8.252	78	453146	22.602	ug/L	100
34) Trichloroethene	9.028	95	122521	23.400	ug/L	97
35) Methylcyclohexane	9.275	83	178311	21.815	ug/L	97
37) 1,2-Dichloropropane	9.304	63	105660	21.447	ug/L	99
38) Bromodichloromethane	9.587	83	153236	23.513	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	173547	23.018	ug/L	99
40) 4-Methyl-2-pentanone	10.163	43	80758	42.745	ug/L	98
42) Toluene	10.334	91	523908	23.870	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	143592	23.116	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	95456	24.259	ug/L	97
46) Tetrachloroethene	10.810	164	101062	25.190	ug/L	98
48) 2-Hexanone	10.922	43	59577	42.859	ug/L #	96
49) Dibromochloromethane	11.075	129	109626	25.505	ug/L	98
50) 1,2-Dibromoethane	11.181	107	86668	24.366	ug/L #	98
51) Chlorobenzene	11.610	112	345987	24.253	ug/L	99
52) Ethylbenzene	11.687	91	569030	24.379	ug/L	100
53) m,p-Xylene	11.798	106	230628	25.078	ug/L	95
54) o-Xylene	12.122	106	221023	25.407	ug/L	97
55) Styrene	12.140	104	393990	25.500	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	102454	23.790	ug/L	99
59) Bromoform	12.304	173	63764	23.877	ug/L	100
60) Isopropylbenzene	12.422	105	597410	24.002	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	64321	21.681	ug/L	97
62) 1,3,5-Trimethylbenzene	12.910	105	457107	24.464	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	442352	24.212	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	259906	23.605	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	266534	23.533	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	233523	23.803	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	12518	21.728	ug/L	91
69) 1,3,5-Trichlorobenzene	14.598	180	163413	23.667	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	128285	23.108	ug/L	97
71) Naphthalene	15.334	128	244934	22.245	ug/L	98
72) 1,2,3-Trichlorobenzene	15.528	180	118120	24.139	ug/L	100

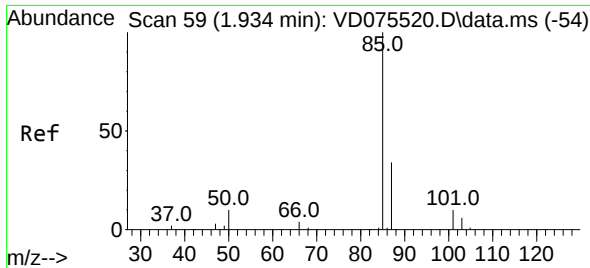
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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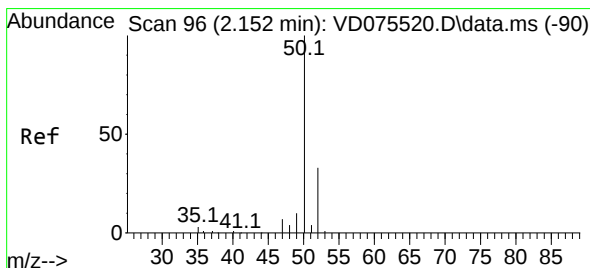
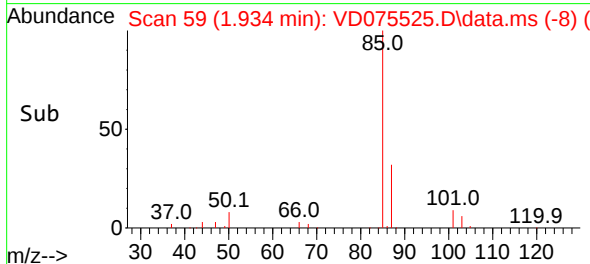
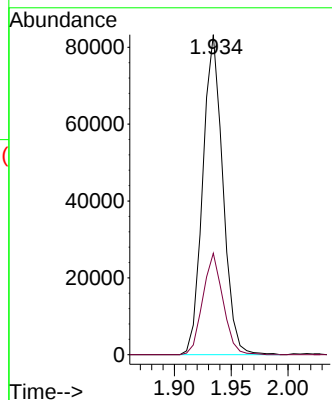
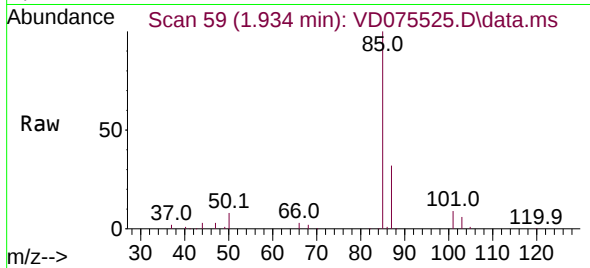




#2
 Dichlorodifluoromethane
 Concen: 21.279 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

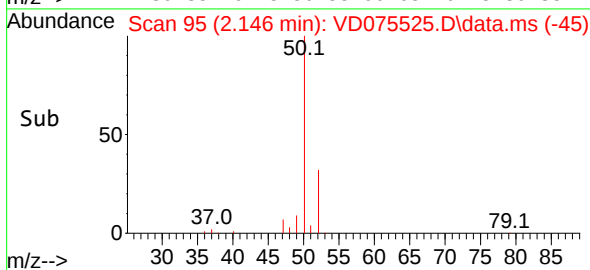
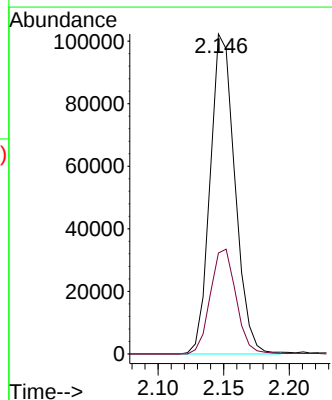
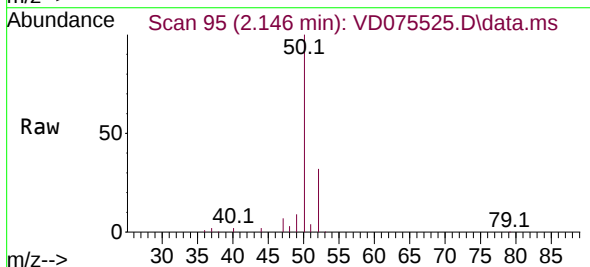
Instrument :
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 ClientSampleId :
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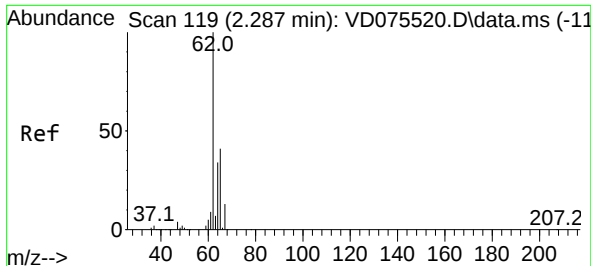
Tgt Ion: 85 Resp: 102466
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.4 39.6



#3
 Chloromethane
 Concen: 16.612 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.006 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

Tgt Ion: 50 Resp: 134523
 Ion Ratio Lower Upper
 50 100
 52 31.6 23.7 43.9

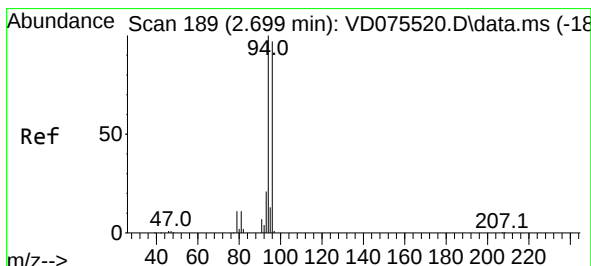
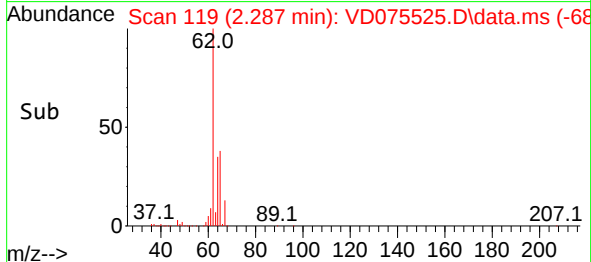
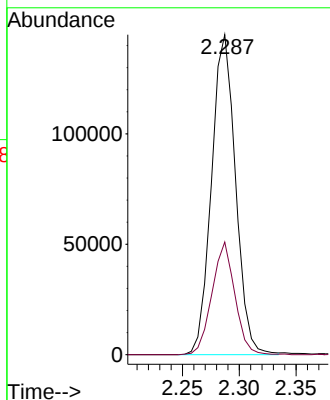
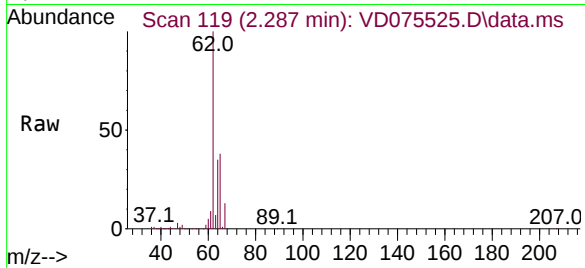




#5
 Vinyl chloride
 Concen: 20.937 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

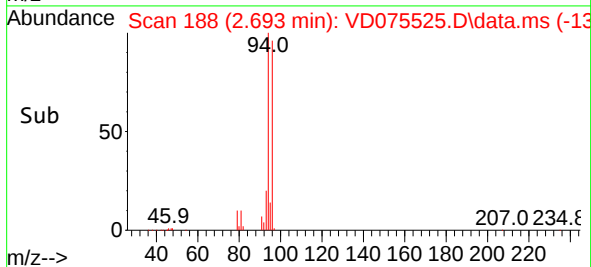
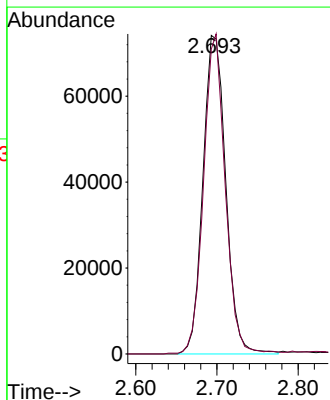
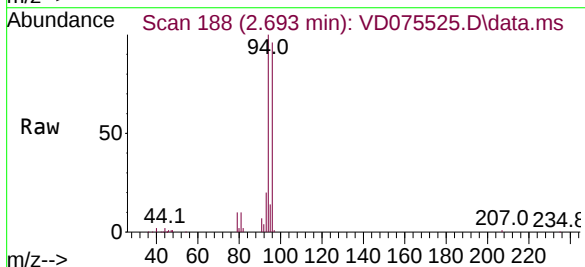
Instrument :
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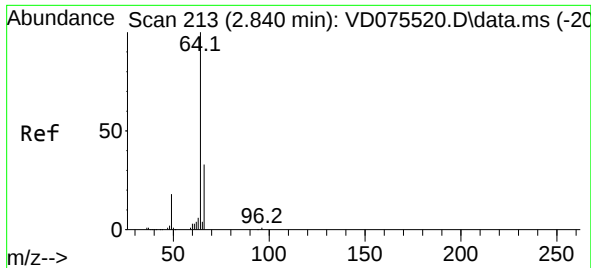
Tgt Ion: 62 Resp: 213222
 Ion Ratio Lower Upper
 62 100
 64 35.2 22.7 42.3



#6
 Bromomethane
 Concen: 29.991 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.006 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

Tgt Ion: 94 Resp: 144758
 Ion Ratio Lower Upper
 94 100
 96 95.8 65.9 122.5

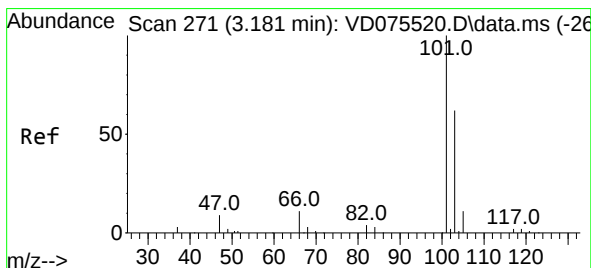
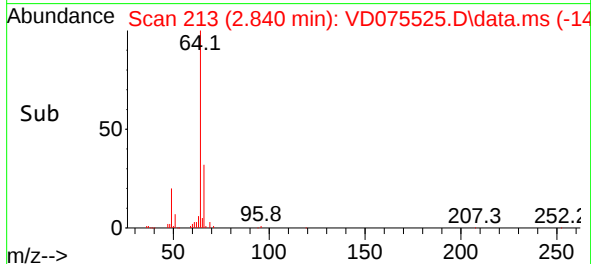
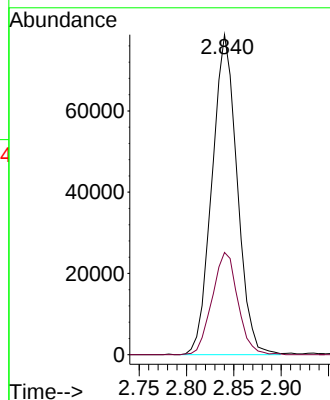
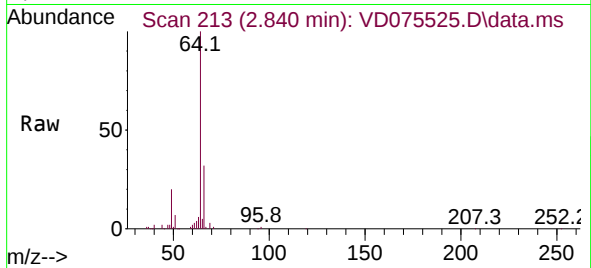




#8
Chloroethane
Concen: 22.714 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

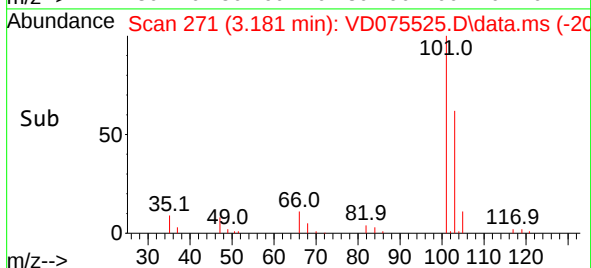
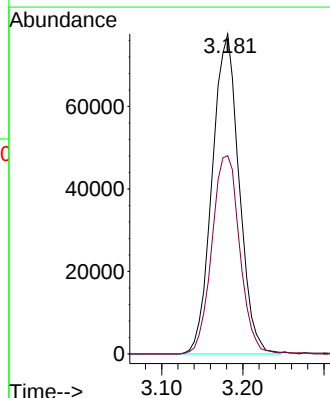
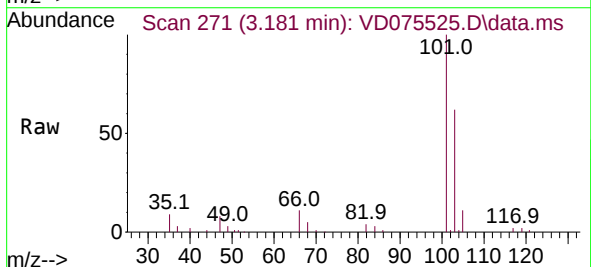
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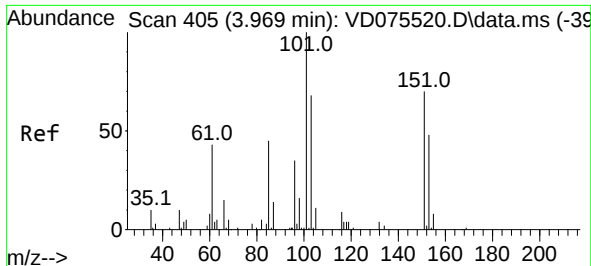
Tgt Ion: 64 Resp: 145470
Ion Ratio Lower Upper
64 100
66 31.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 23.438 ug/L
RT: 3.181 min Scan# 271
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion:101 Resp: 178690
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8

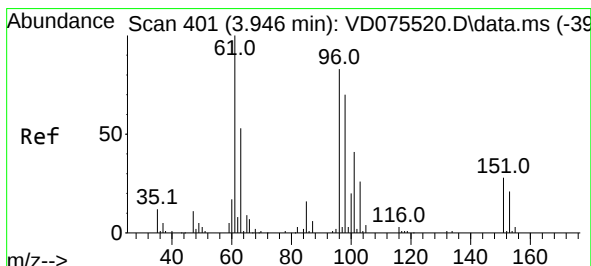
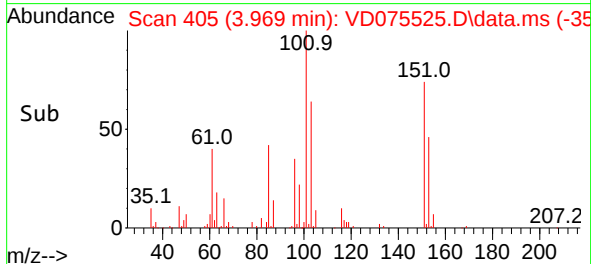
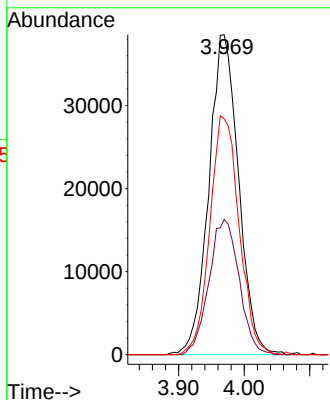
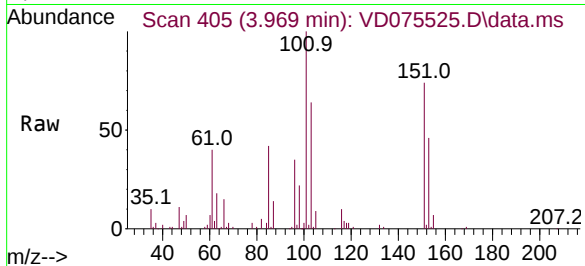




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.992 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

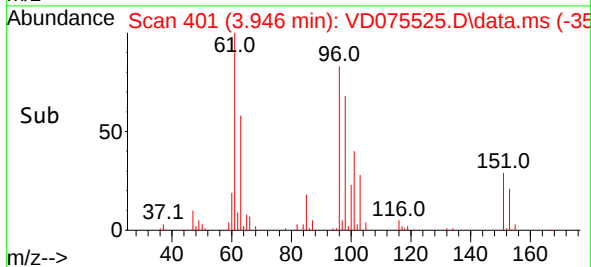
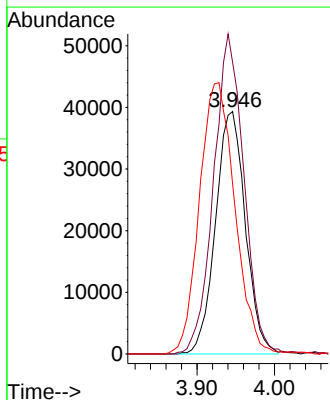
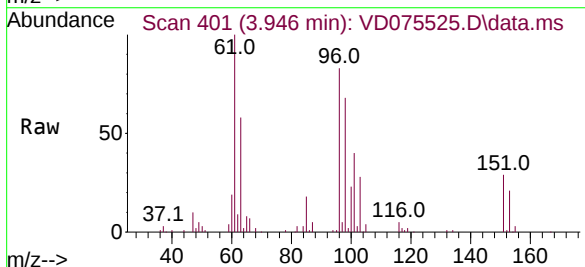
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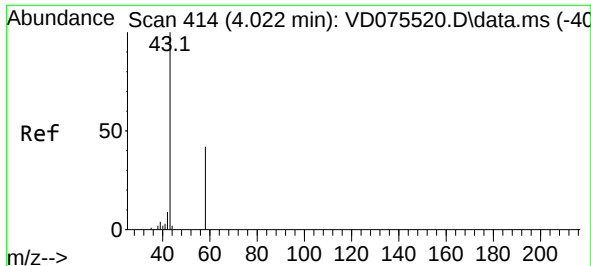
Tgt Ion:101 Resp: 121091
 Ion Ratio Lower Upper
 101 100
 85 43.0 34.0 51.0
 151 73.7 54.8 82.2



#12
 1,1-Dichloroethene
 Concen: 22.709 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

Tgt Ion: 96 Resp: 105316
 Ion Ratio Lower Upper
 96 100
 61 120.3 97.5 181.1
 63 70.1 62.4 116.0





#13

Acetone

Concen: 41.370 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

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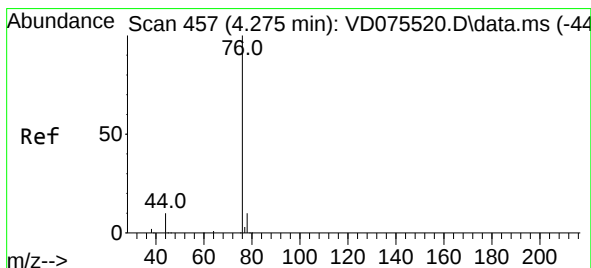
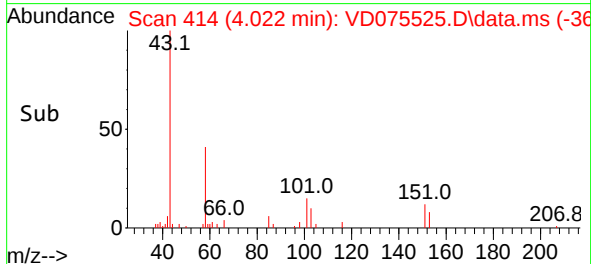
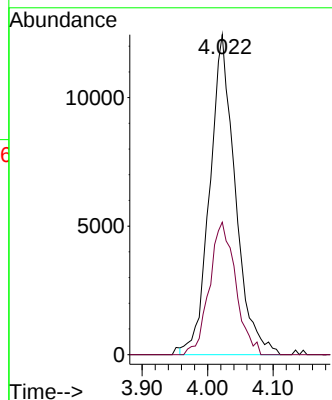
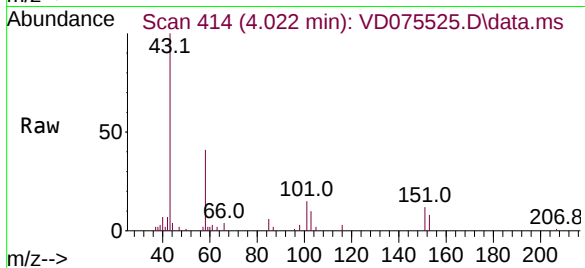
VSTD025112

Tgt Ion: 43 Resp: 33657

Ion Ratio Lower Upper

43 100

58 42.4 0.0 75.4



#14

Carbon disulfide

Concen: 19.381 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

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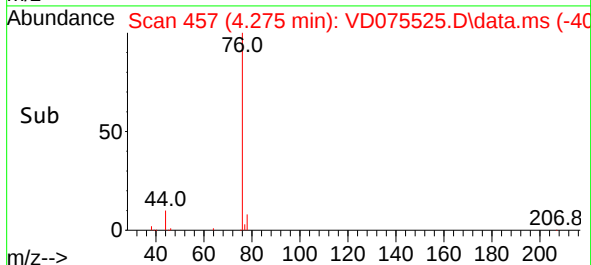
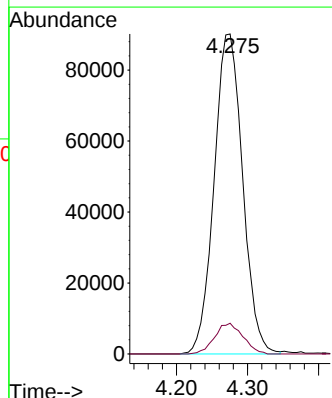
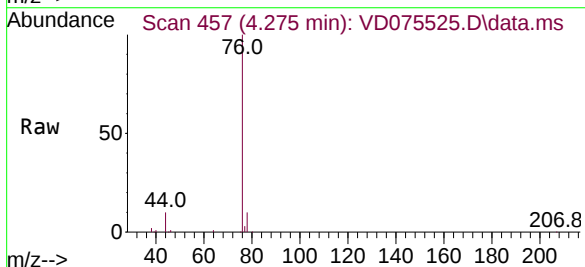
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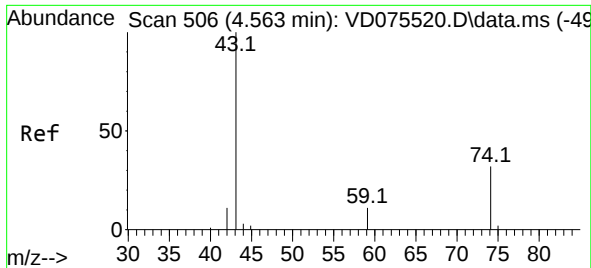
Tgt Ion: 76 Resp: 251329

Ion Ratio Lower Upper

76 100

78 9.6 6.8 10.2

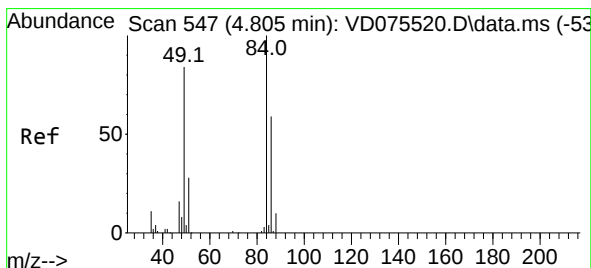
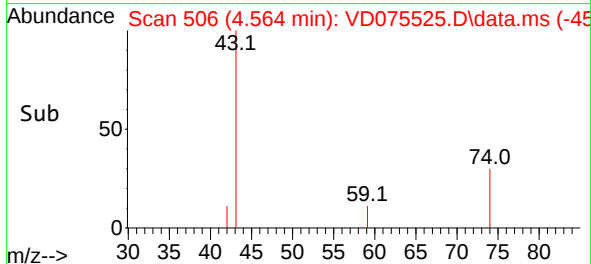
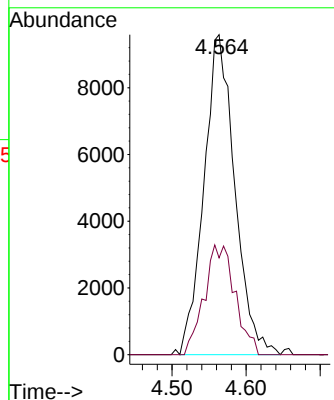
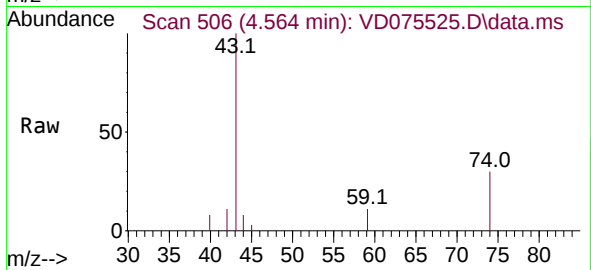




#15
Methyl Acetate
Concen: 20.104 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

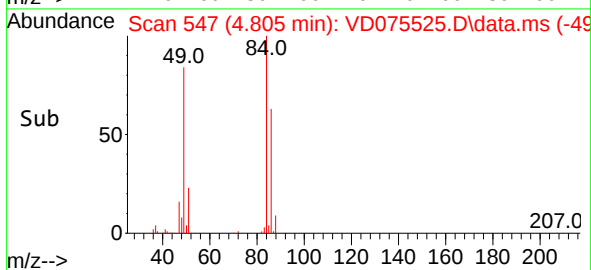
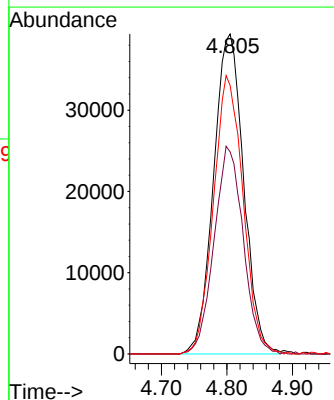
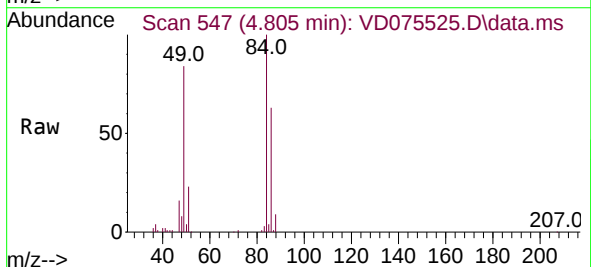
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

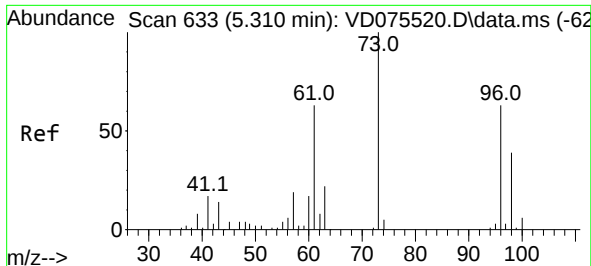
Tgt Ion: 43 Resp: 27756
Ion Ratio Lower Upper
43 100
74 18.2 25.7 38.5#



#16
Methylene chloride
Concen: 18.983 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion: 84 Resp: 125486
Ion Ratio Lower Upper
84 100
86 63.2 44.2 82.2
49 83.9 63.6 118.2





#17

trans-1,2-Dichloroethene

Concen: 22.276 ug/L

RT: 5.316 min Scan# 61

Delta R.T. 0.006 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTD025112

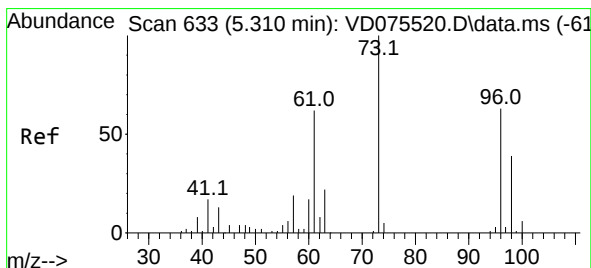
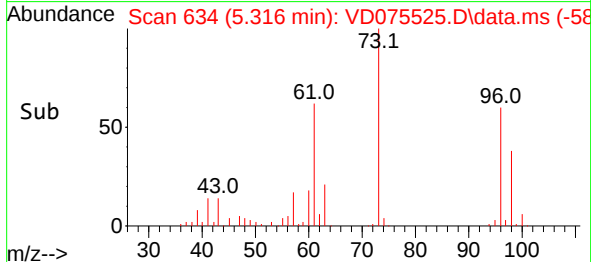
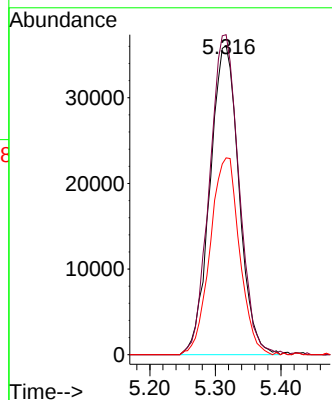
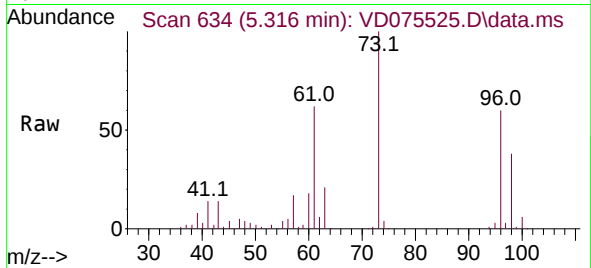
Tgt Ion: 96 Resp: 110739

Ion Ratio Lower Upper

96 100

61 103.5 77.8 144.6

98 63.7 47.0 87.4



#18

Methyl tert-butyl Ether

Concen: 22.915 ug/L

RT: 5.316 min Scan# 634

Delta R.T. 0.006 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

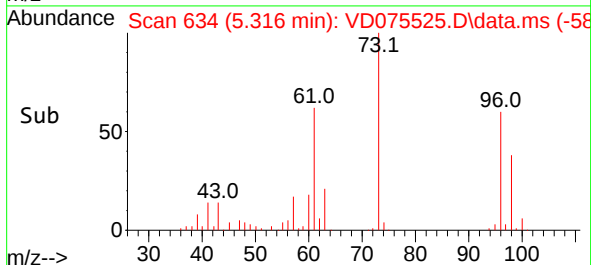
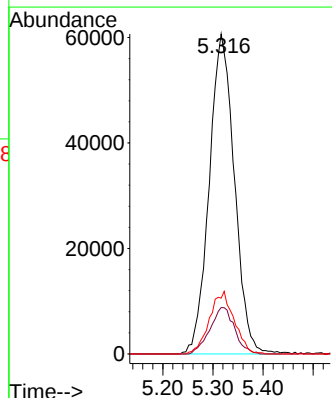
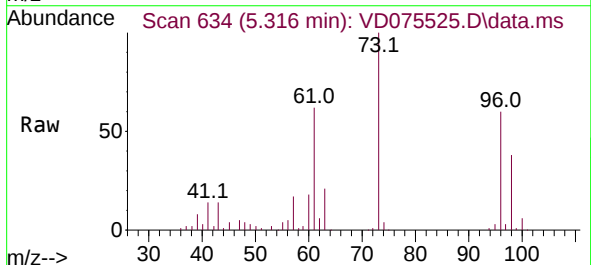
Tgt Ion: 73 Resp: 211701

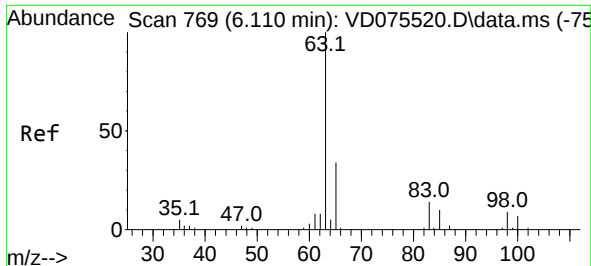
Ion Ratio Lower Upper

73 100

43 14.2 12.1 18.1

57 10.0 17.0 25.4#





#19

1,1-Dichloroethane

Concen: 21.833 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.006 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTD025112

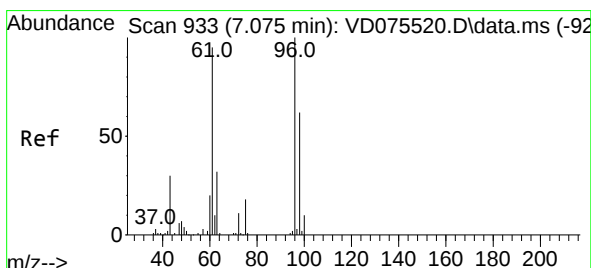
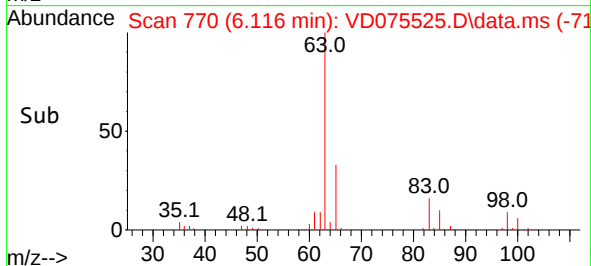
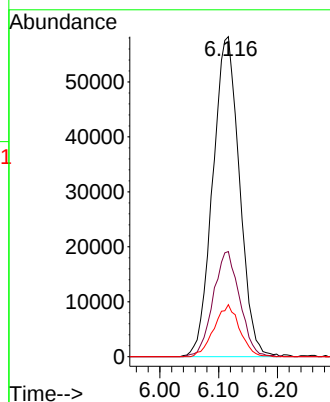
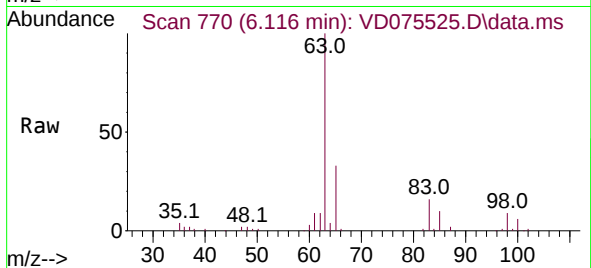
Tgt Ion: 63 Resp: 183613

Ion Ratio Lower Upper

63 100

65 32.9 21.1 39.3

83 16.3 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 23.261 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

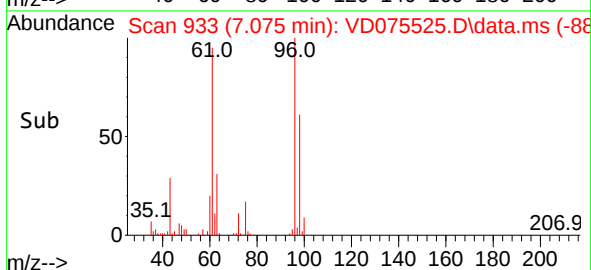
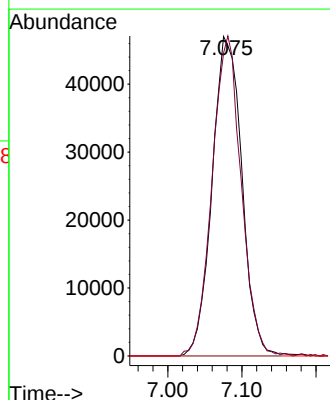
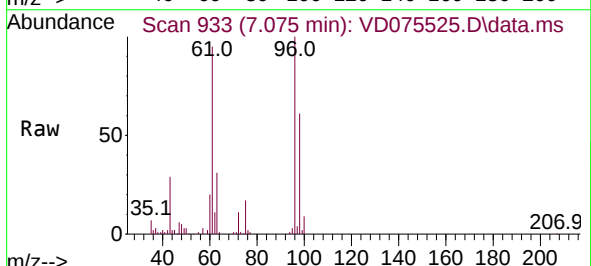
Tgt Ion: 96 Resp: 130628

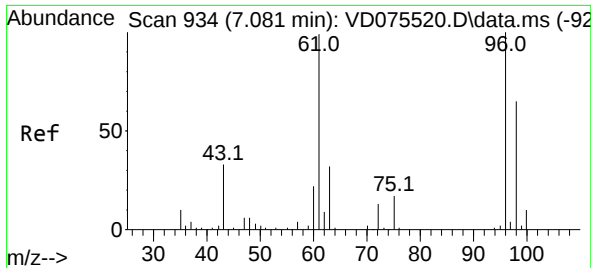
Ion Ratio Lower Upper

96 100

61 94.8 73.9 137.3

68 0.0 0.0 0.0

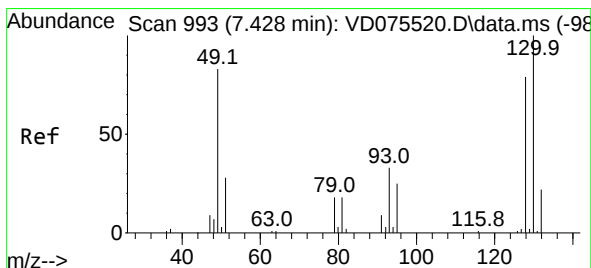
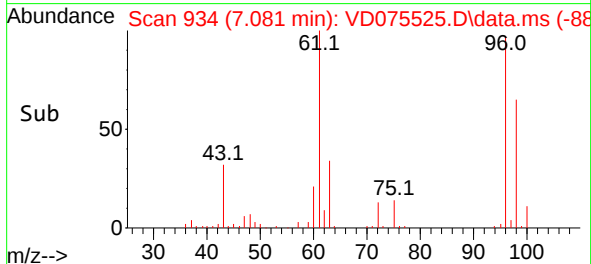
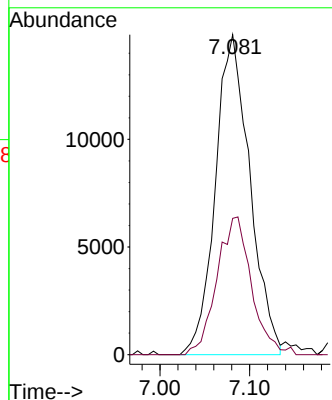
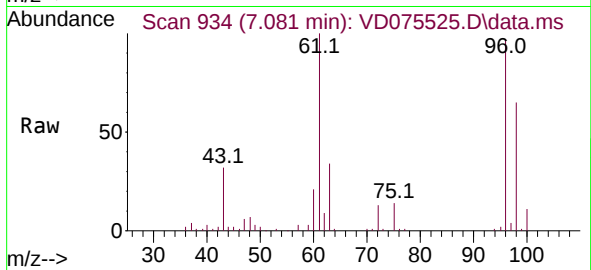




#22
2-Butanone
Concen: 38.444 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

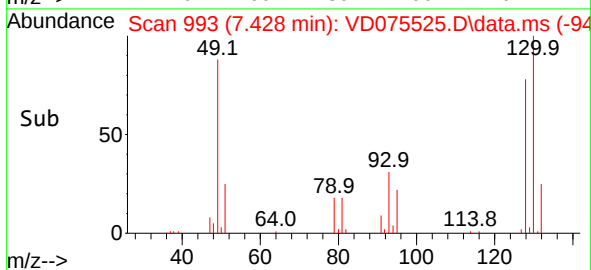
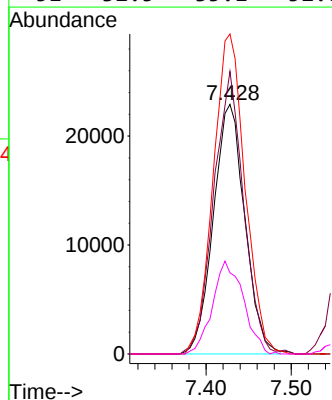
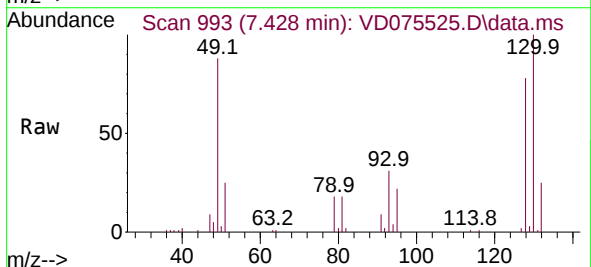
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

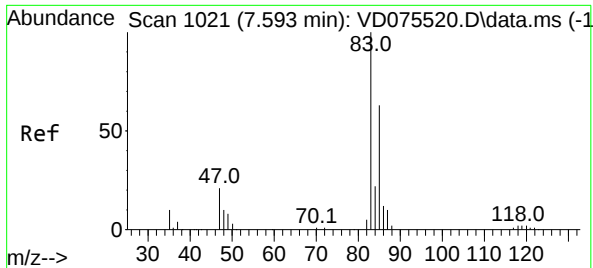
Tgt Ion: 43 Resp: 39688
Ion Ratio Lower Upper
43 100
72 42.8 18.3 54.9



#23
Bromochloromethane
Concen: 24.458 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion: 128 Resp: 58842
Ion Ratio Lower Upper
128 100
49 113.2 84.2 156.4
130 128.2 82.5 153.1
51 32.5 35.1 52.7#





#25

Chloroform

Concen: 23.262 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

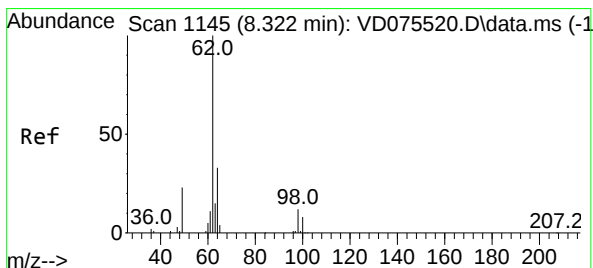
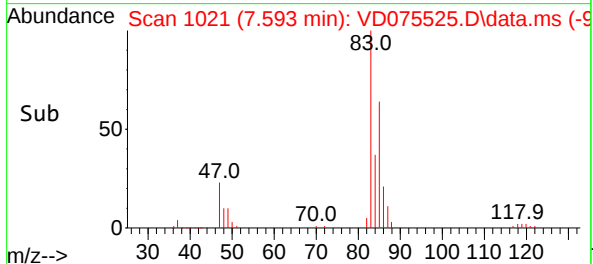
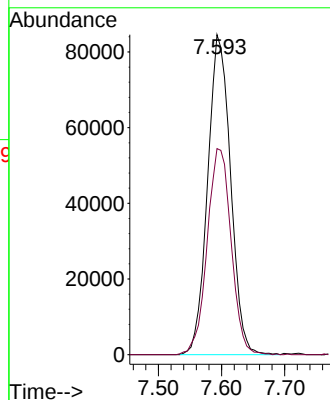
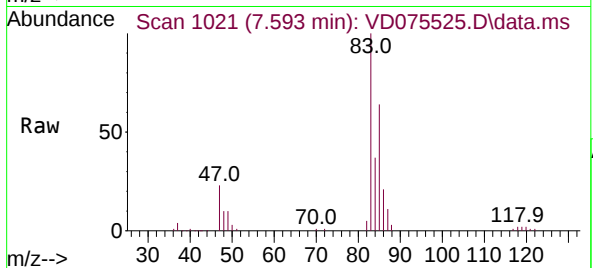
VSTD025112

Tgt Ion: 83 Resp: 213312

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.3



#27

1,2-Dichloroethane

Concen: 21.243 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VD075525.D

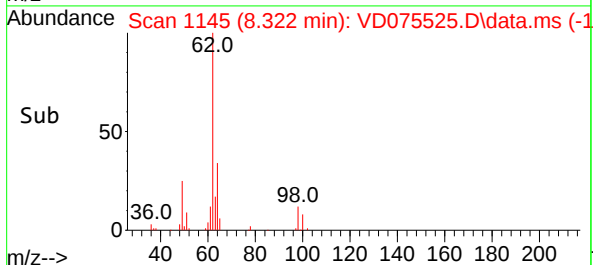
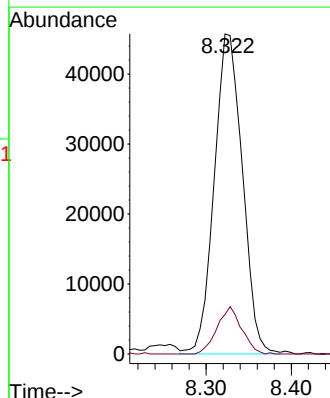
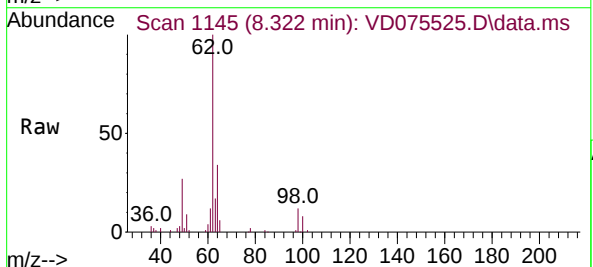
Acq: 23 Mar 2023 10:44

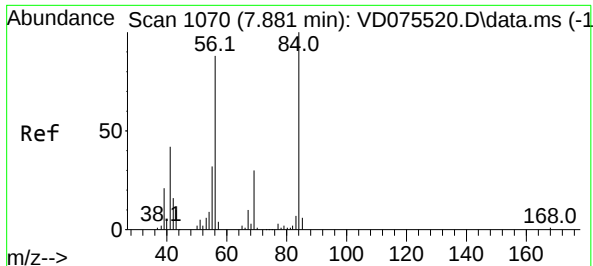
Tgt Ion: 62 Resp: 105048

Ion Ratio Lower Upper

62 100

98 12.4 8.8 13.2





#29

Cyclohexane

Concen: 20.210 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTD025112

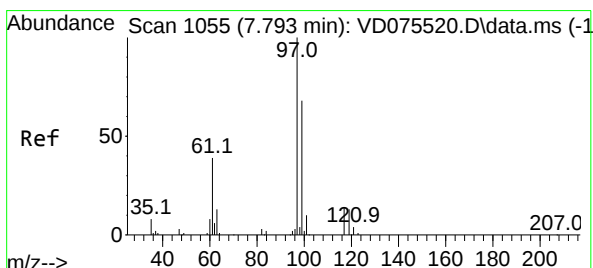
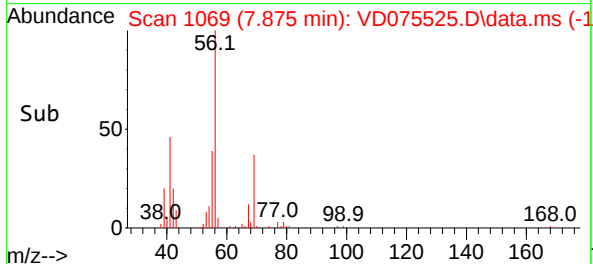
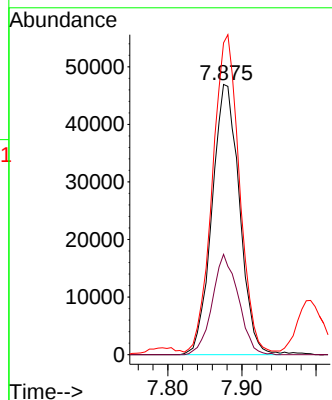
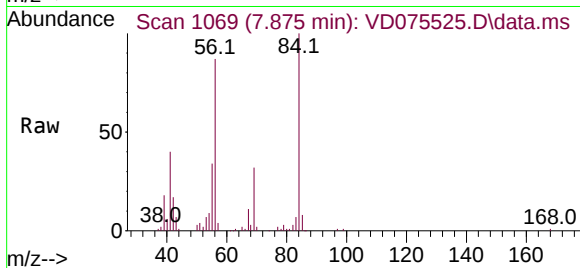
Tgt Ion: 56 Resp: 120637

Ion Ratio Lower Upper

56 100

69 35.1 27.0 40.6

84 117.2 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 24.646 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

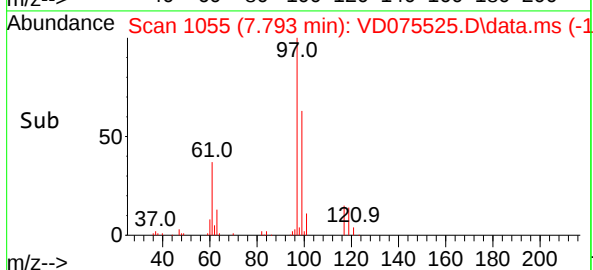
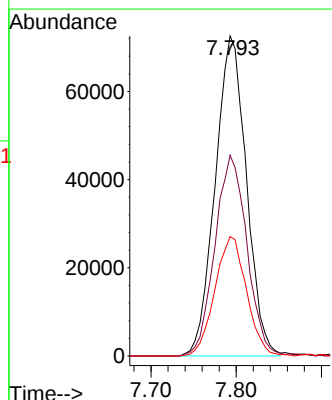
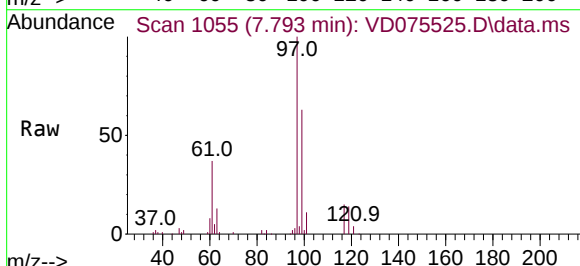
Tgt Ion: 97 Resp: 184874

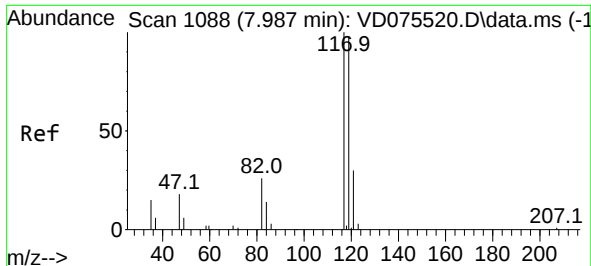
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 37.8 34.0 51.0

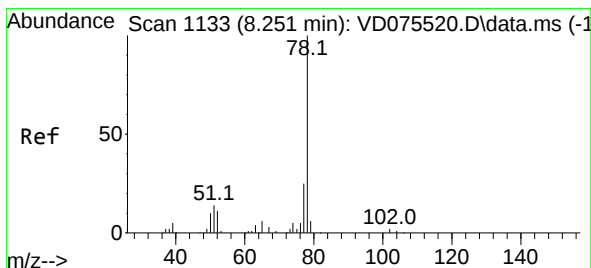
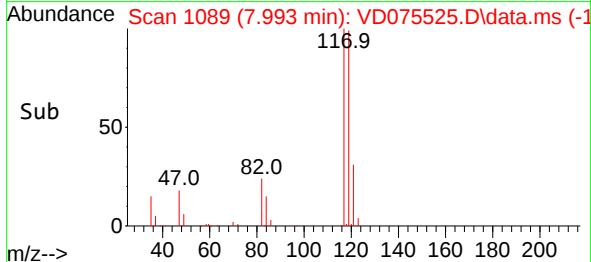
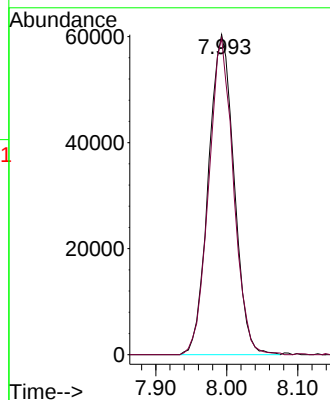
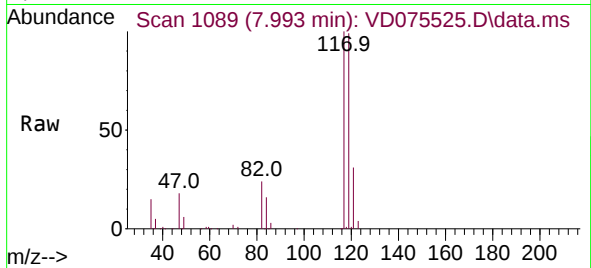




#31
Carbon tetrachloride
Concen: 25.379 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

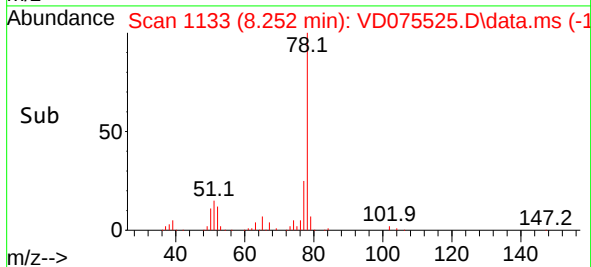
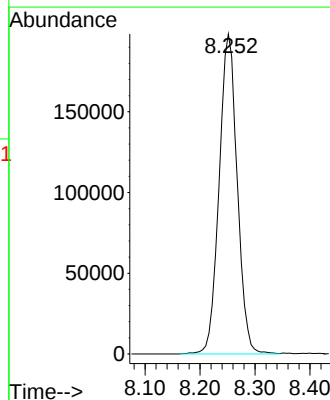
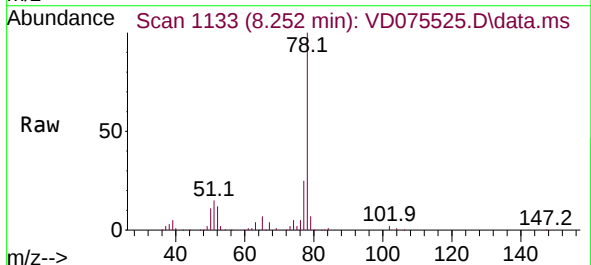
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

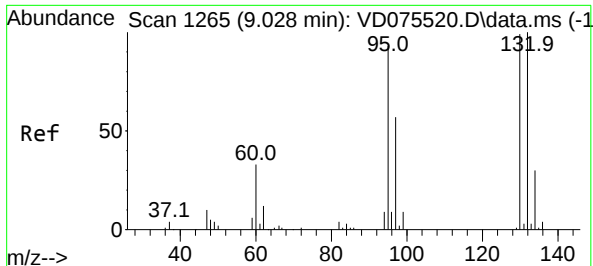
Tgt Ion:117 Resp: 151201
Ion Ratio Lower Upper
117 100
119 95.4 76.2 114.2



#33
Benzene
Concen: 22.602 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion: 78 Resp: 453146

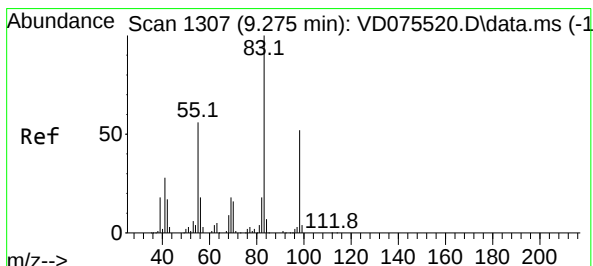
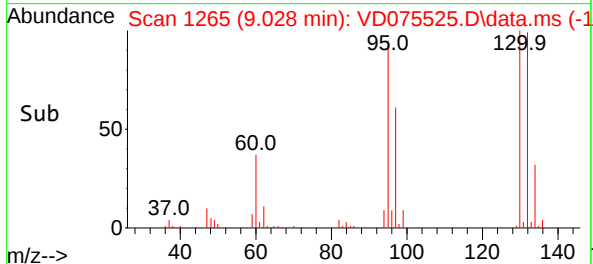
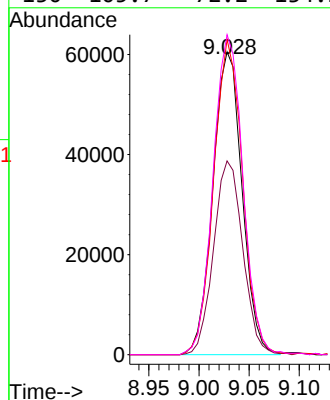
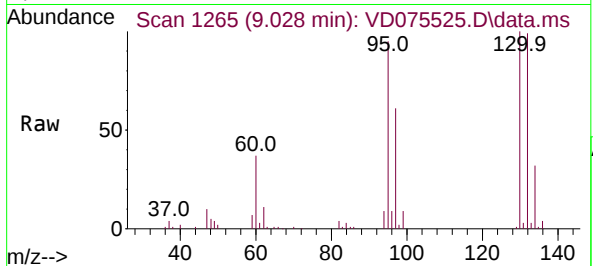




#34
Trichloroethene
Concen: 23.400 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

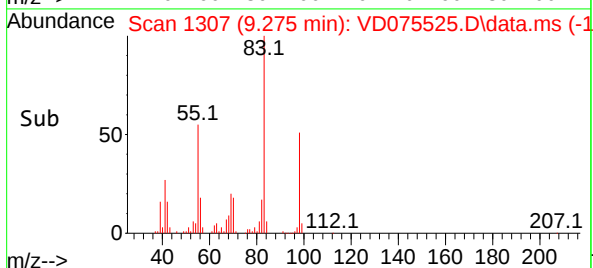
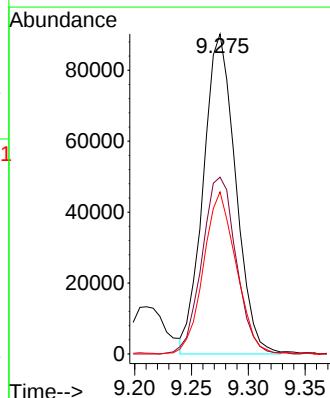
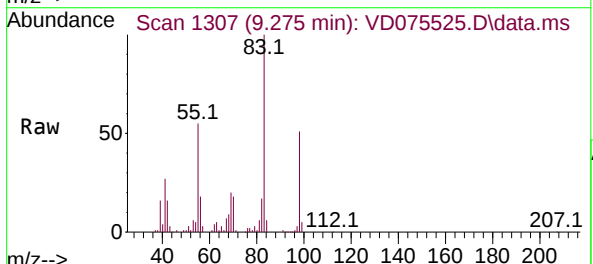
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

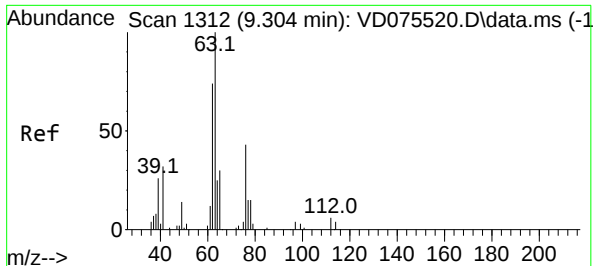
Tgt Ion: 95 Resp: 122521
Ion Ratio Lower Upper
95 100
97 64.0 44.7 83.1
132 104.1 70.0 130.0
130 105.7 72.2 134.2



#35
Methylcyclohexane
Concen: 21.815 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion: 83 Resp: 178311
Ion Ratio Lower Upper
83 100
55 58.5 49.3 73.9
98 51.2 39.8 59.6





#37

1,2-Dichloropropane

Concen: 21.447 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

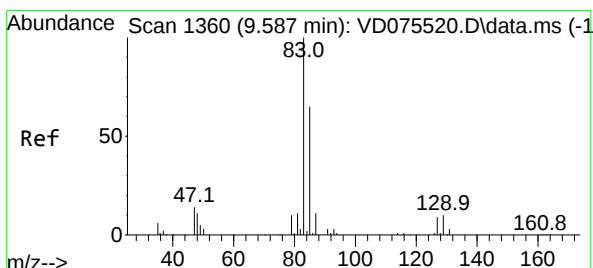
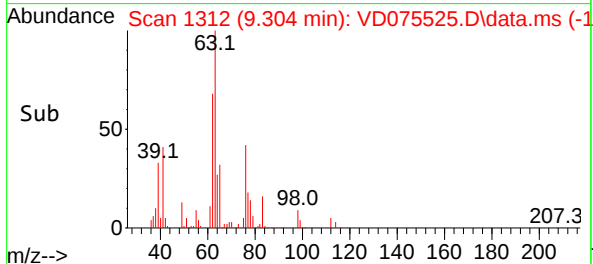
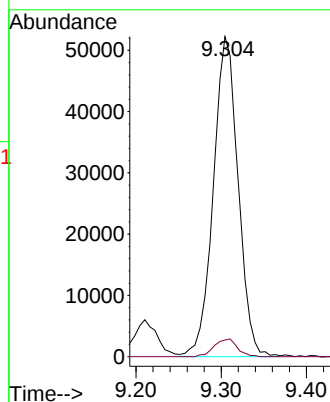
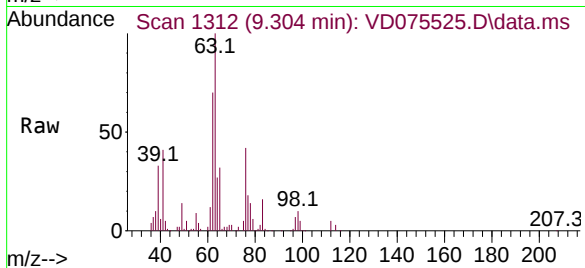
VSTD025112

Tgt Ion: 63 Resp: 105660

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 23.513 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

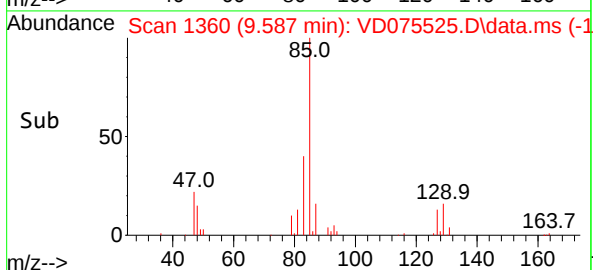
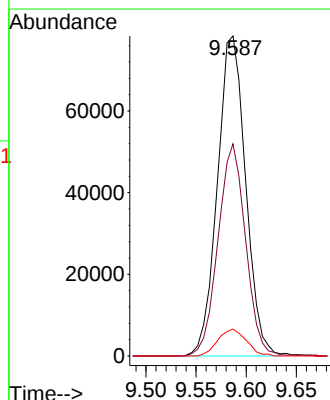
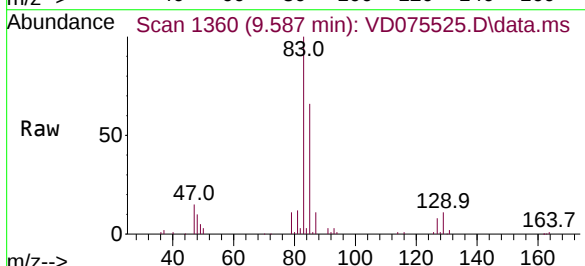
Tgt Ion: 83 Resp: 153236

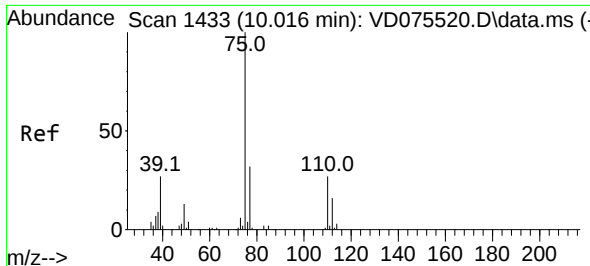
Ion Ratio Lower Upper

83 100

85 66.3 44.6 82.8

127 8.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 23.018 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

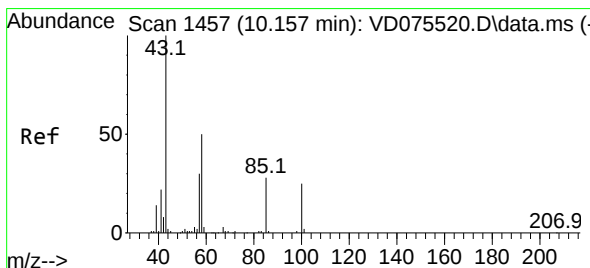
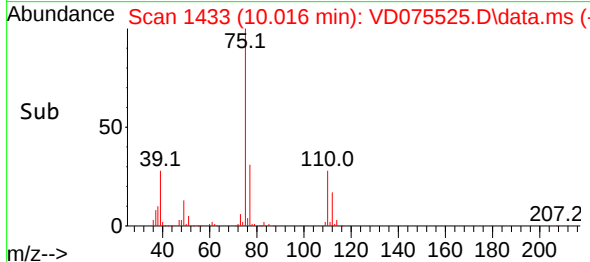
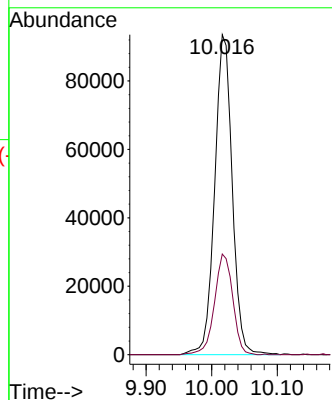
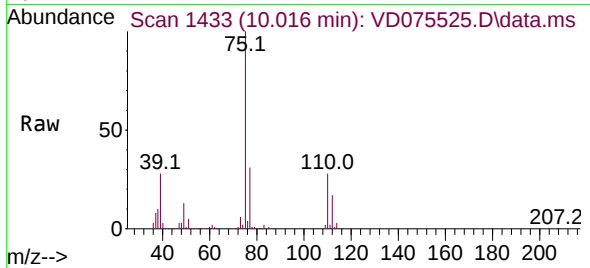
VSTD025112

Tgt Ion: 75 Resp: 173547

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 42.745 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

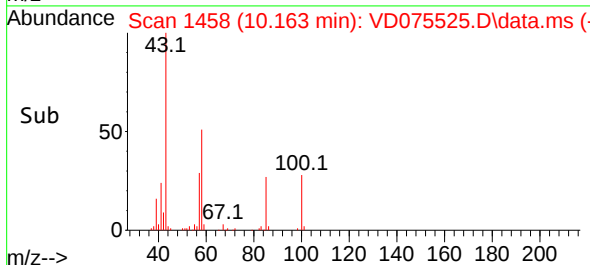
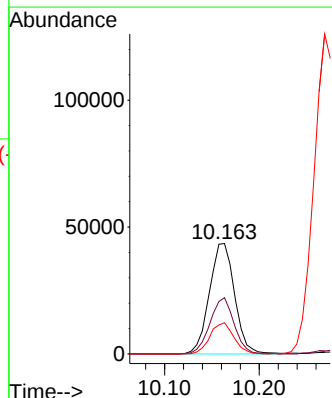
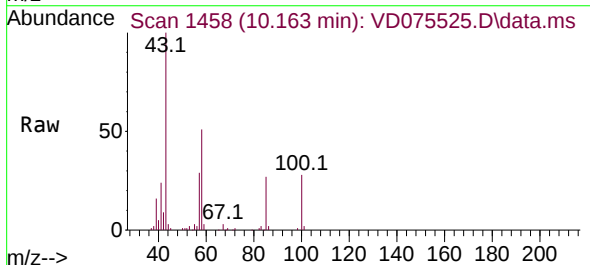
Tgt Ion: 43 Resp: 80758

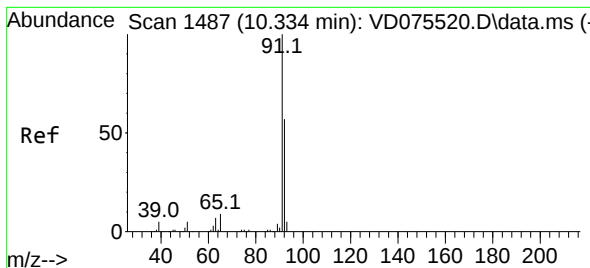
Ion Ratio Lower Upper

43 100

58 48.8 39.0 58.6

100 26.8 18.7 28.1





#42

Toluene

Concen: 23.870 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

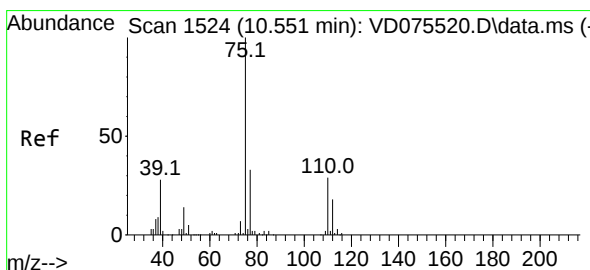
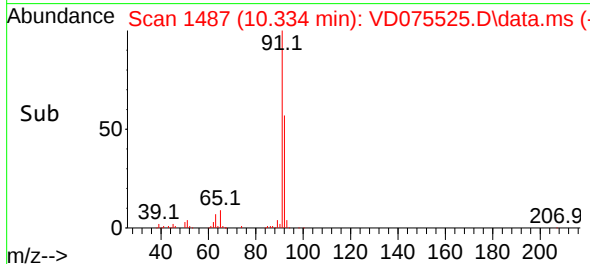
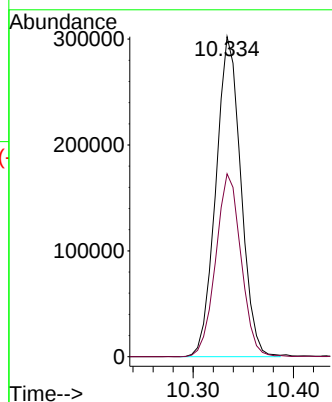
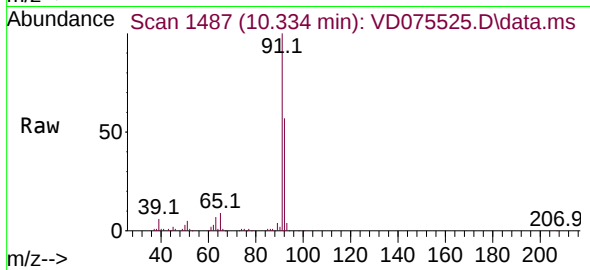
VSTD025112

Tgt Ion: 91 Resp: 523908

Ion Ratio Lower Upper

91 100

92 57.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 23.116 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD075525.D

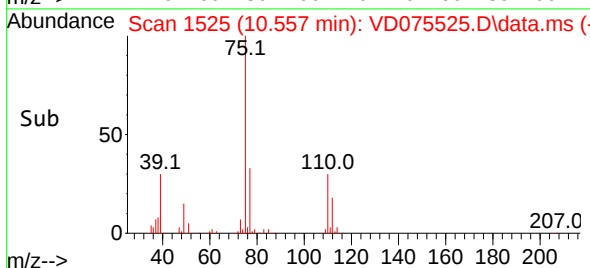
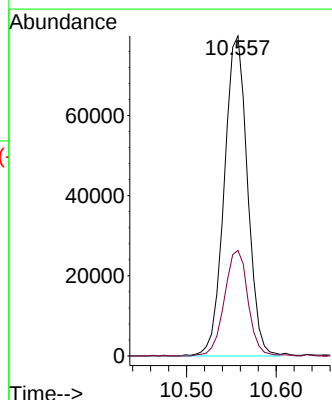
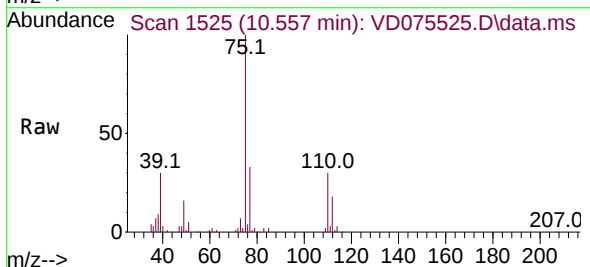
Acq: 23 Mar 2023 10:44

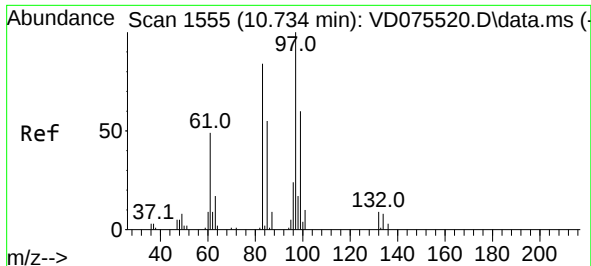
Tgt Ion: 75 Resp: 143592

Ion Ratio Lower Upper

75 100

77 33.0 22.4 41.6

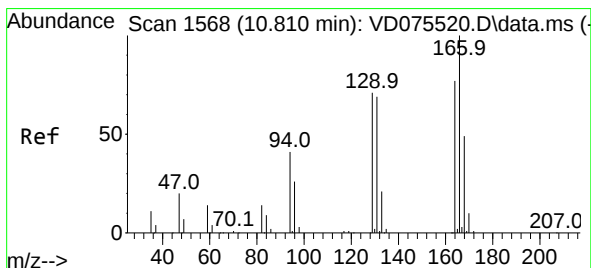
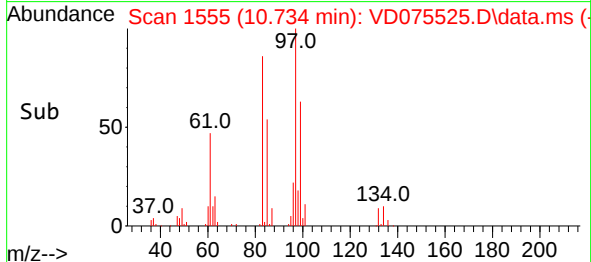
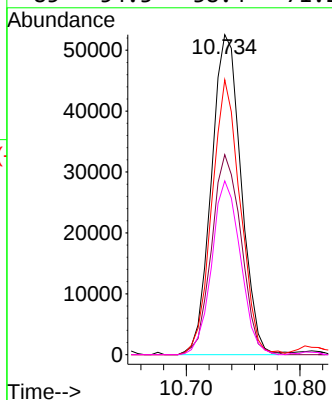
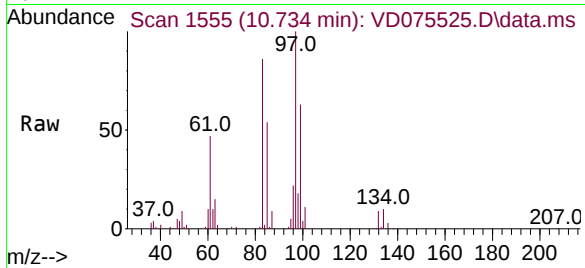




#45
1,1,2-Trichloroethane
Concen: 24.259 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

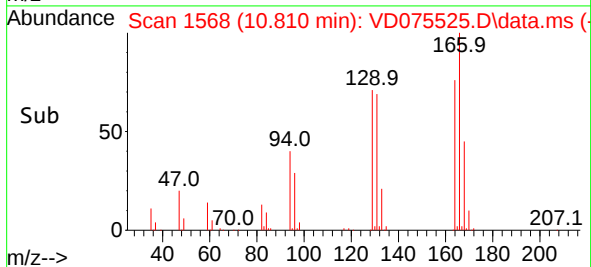
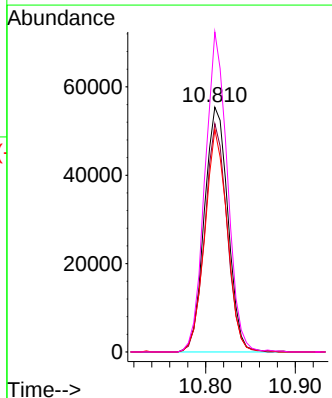
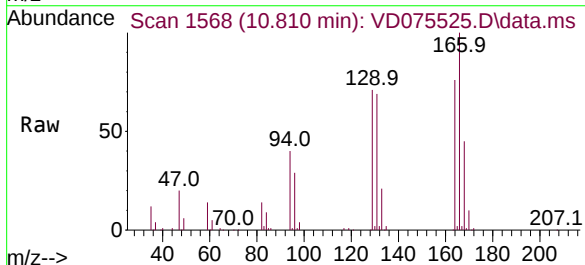
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

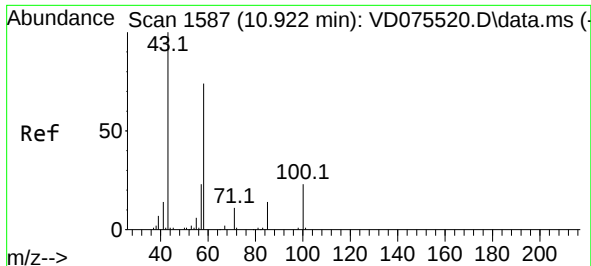
Tgt Ion:	97	Resp:	95456
Ion	Ratio	Lower	Upper
97	100		
99	62.5	40.9	76.0
83	85.9	57.7	107.1
85	54.3	38.4	71.2



#46
Tetrachloroethene
Concen: 25.190 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion:	164	Resp:	101062
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.4	121.4
131	90.8	64.1	119.1
166	130.7	88.5	164.3

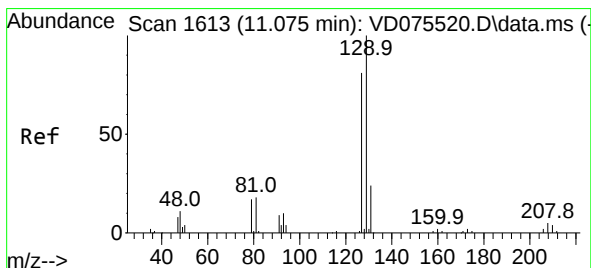
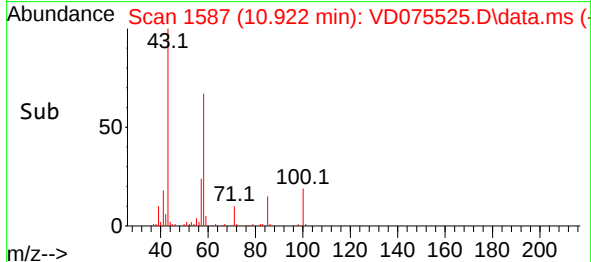
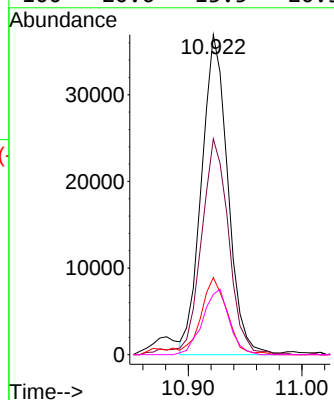
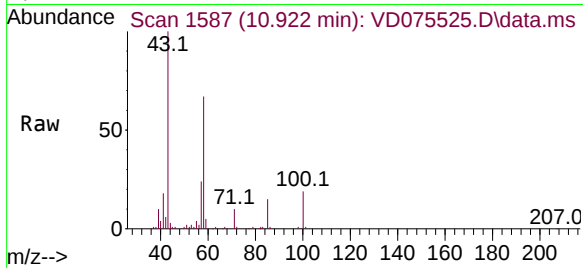




#48
2-Hexanone
Concen: 42.859 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

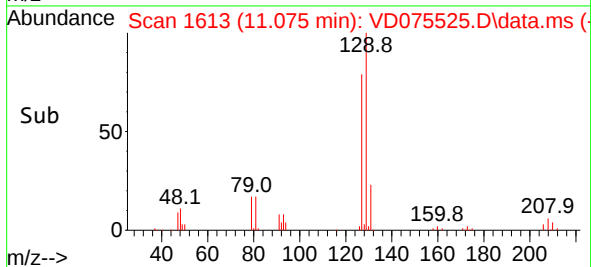
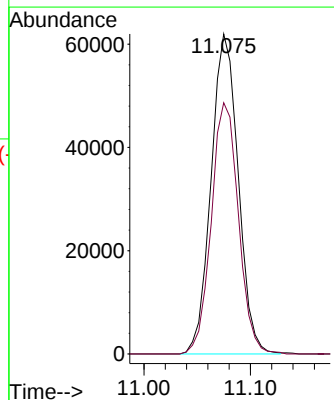
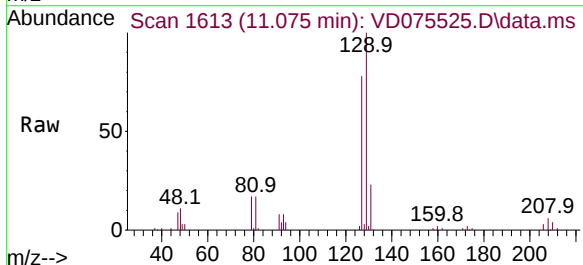
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

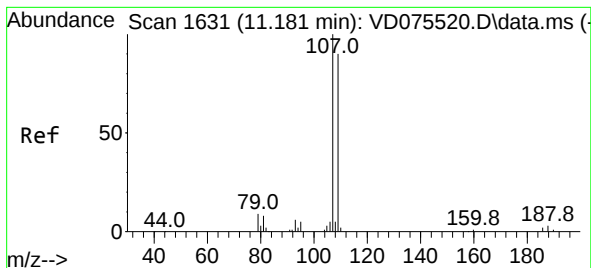
Tgt Ion: 43 Resp: 59577
Ion Ratio Lower Upper
43 100
58 68.9 53.1 79.7
57 23.5 16.7 25.1
100 20.6 13.5 20.3#



#49
Dibromochloromethane
Concen: 25.505 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion: 129 Resp: 109626
Ion Ratio Lower Upper
129 100
127 78.5 53.7 99.7





#50

1,2-Dibromoethane

Concen: 24.366 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTD025112

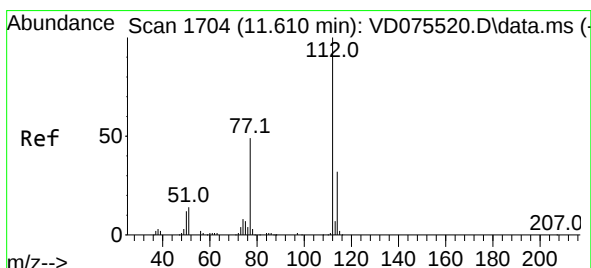
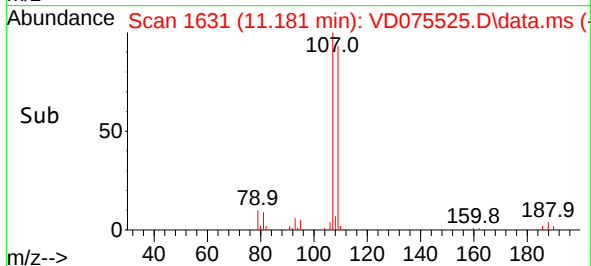
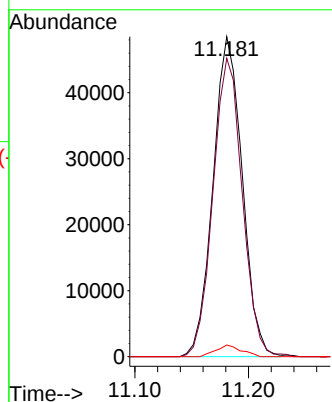
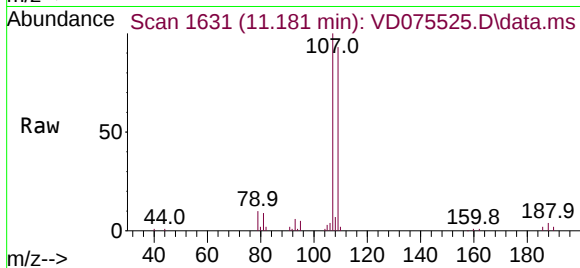
Tgt Ion:107 Resp: 86668

Ion Ratio Lower Upper

107 100

109 93.3 64.2 119.2

188 3.7 2.3 3.5#



#51

Chlorobenzene

Concen: 24.253 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

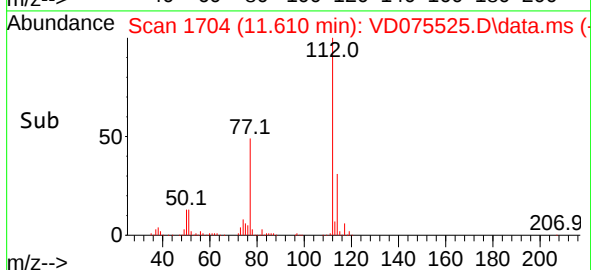
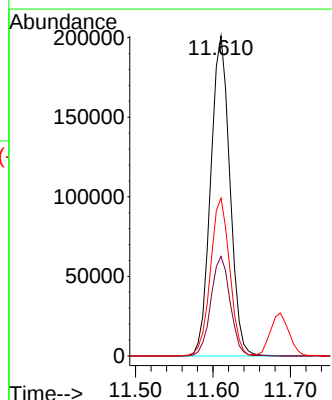
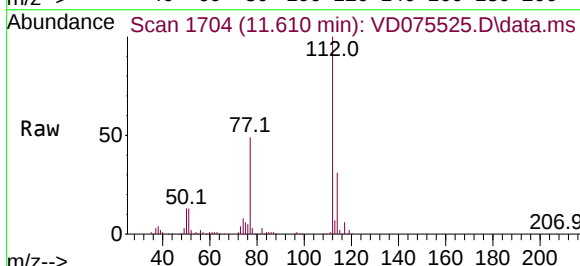
Tgt Ion:112 Resp: 345987

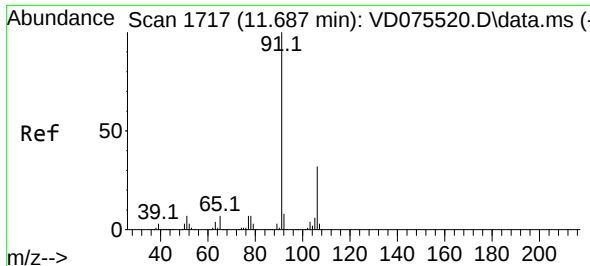
Ion Ratio Lower Upper

112 100

114 31.1 22.3 41.3

77 49.4 40.2 60.2

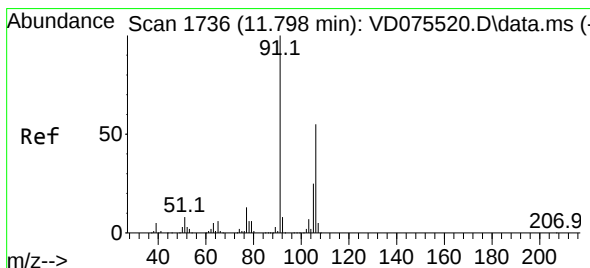
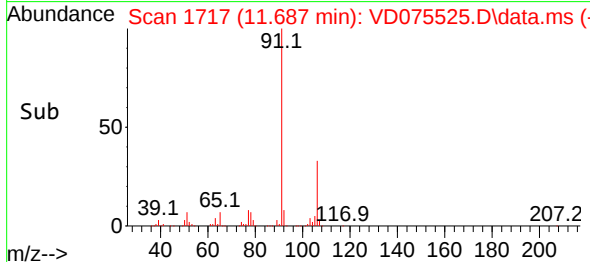
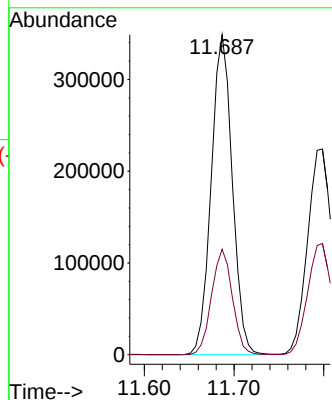
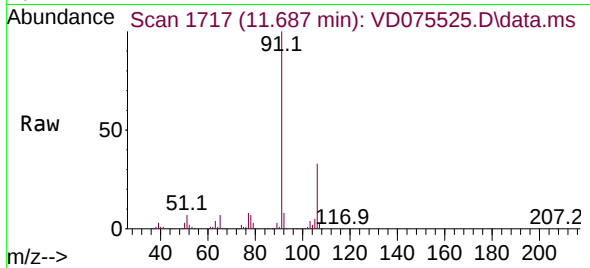




#52
Ethylbenzene
Concen: 24.379 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

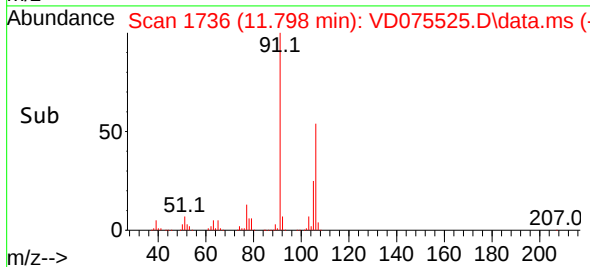
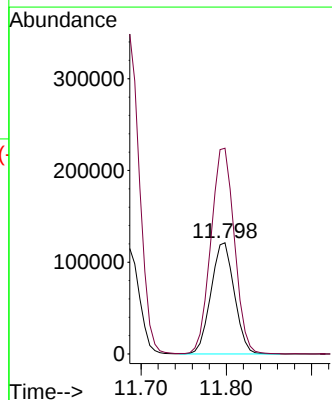
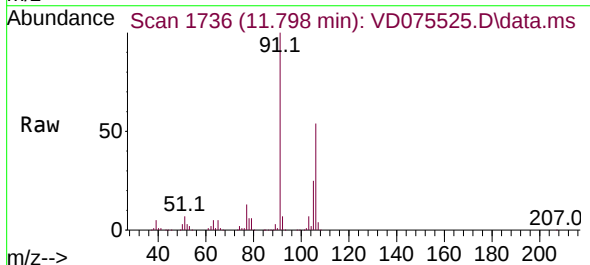
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

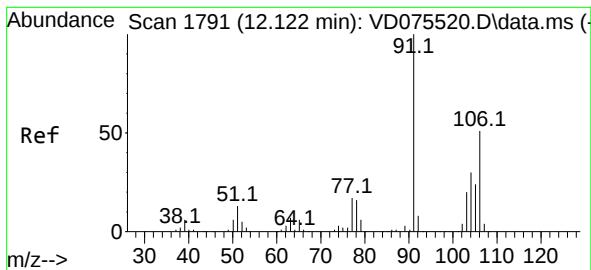
Tgt Ion: 91 Resp: 569030
Ion Ratio Lower Upper
91 100
106 32.9 23.1 42.9



#53
m,p-Xylene
Concen: 25.078 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion: 106 Resp: 230628
Ion Ratio Lower Upper
106 100
91 184.9 134.1 249.1





#54

o-Xylene

Concen: 25.407 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

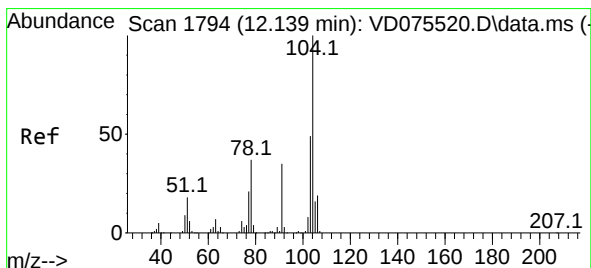
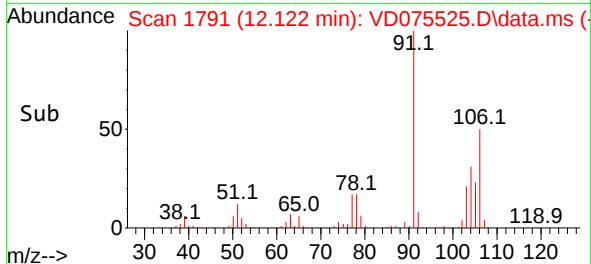
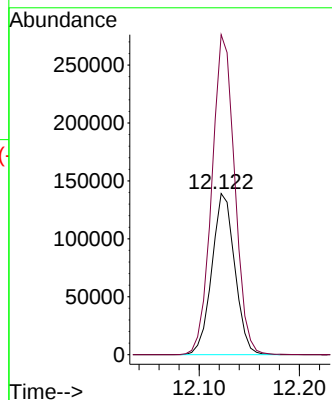
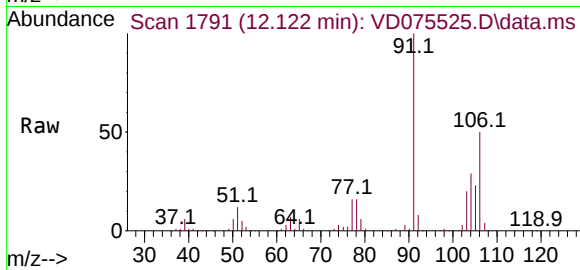
VSTD025112

Tgt Ion:106 Resp: 221023

Ion Ratio Lower Upper

106 100

91 198.6 142.3 264.3



#55

Styrene

Concen: 25.500 ug/L

RT: 12.140 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD075525.D

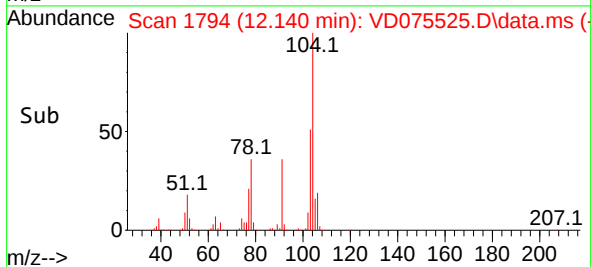
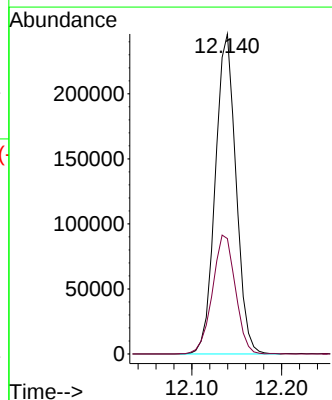
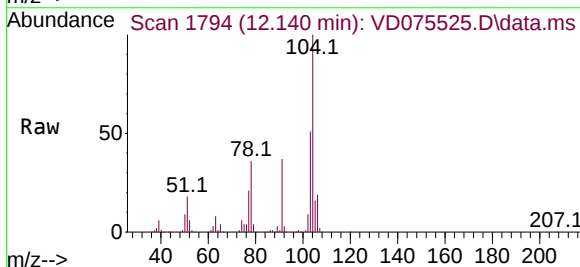
Acq: 23 Mar 2023 10:44

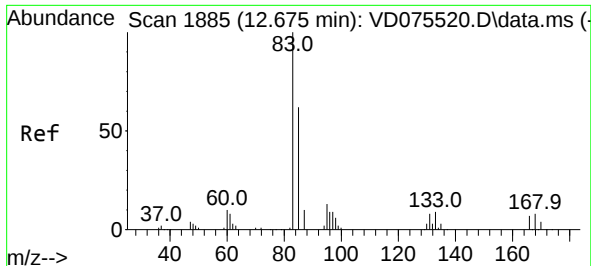
Tgt Ion:104 Resp: 393990

Ion Ratio Lower Upper

104 100

78 36.1 26.0 48.2

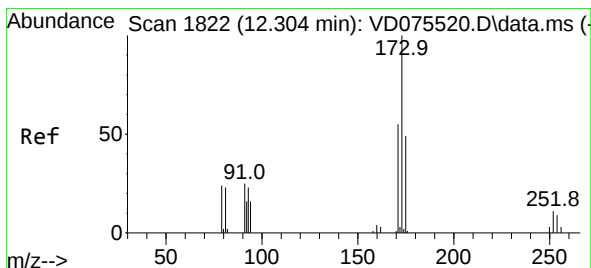
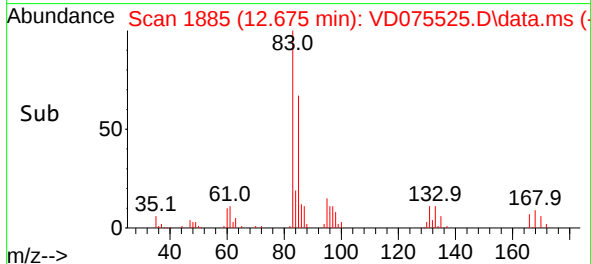
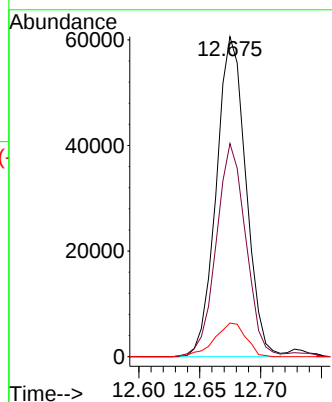
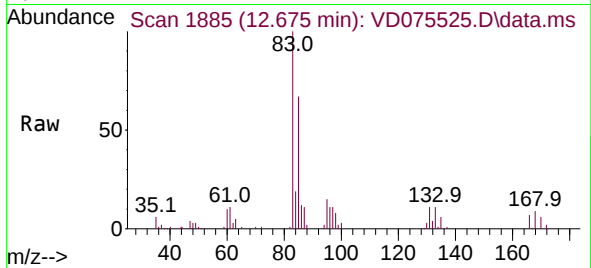




#57
1,1,2,2-Tetrachloroethane
Concen: 23.790 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

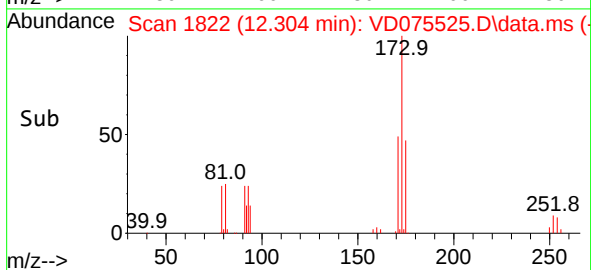
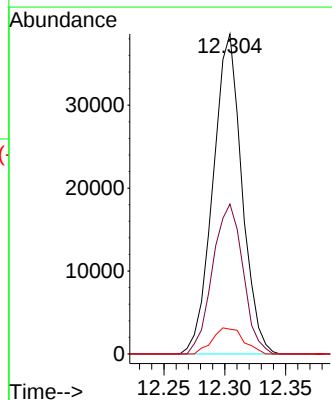
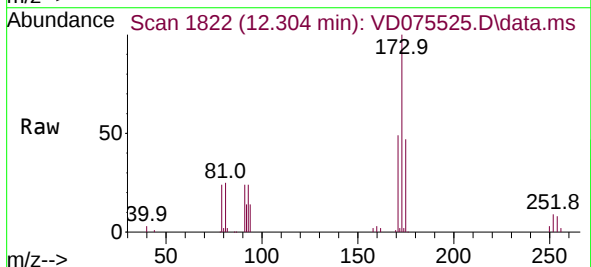
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

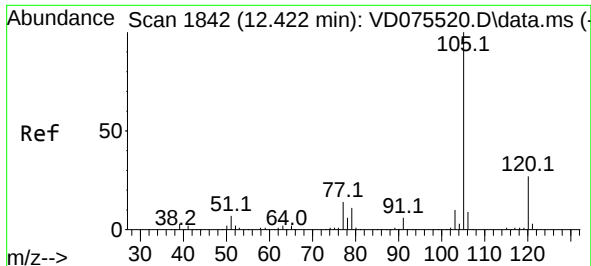
Tgt Ion: 83 Resp: 102454
Ion Ratio Lower Upper
83 100
85 66.6 46.3 85.9
131 10.5 8.1 12.1



#59
Bromoform
Concen: 23.877 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion:173 Resp: 63764
Ion Ratio Lower Upper
173 100
175 49.3 39.3 58.9
254 8.8 7.3 10.9

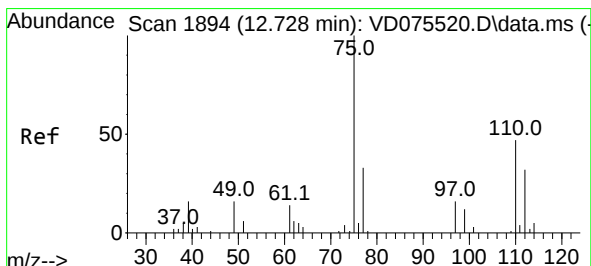
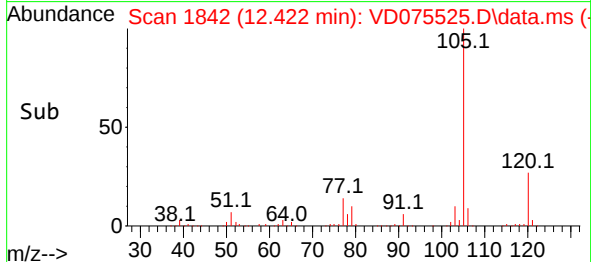
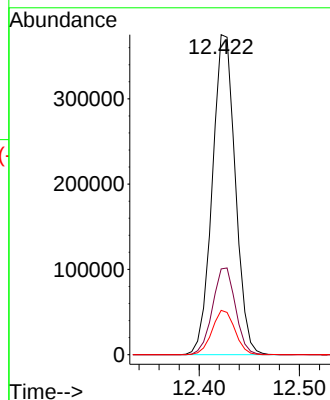
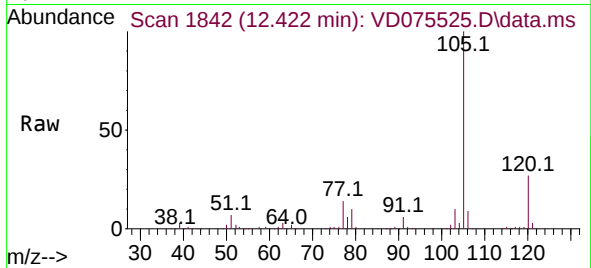




#60
Isopropylbenzene
Concen: 24.002 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

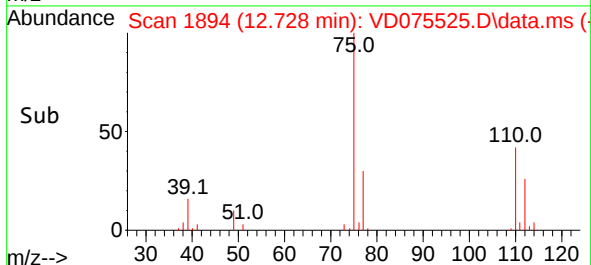
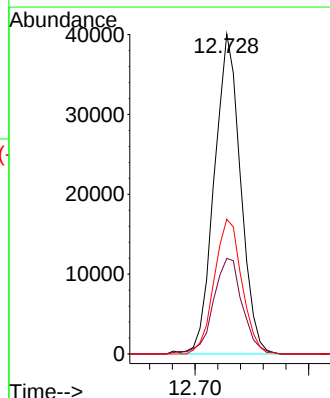
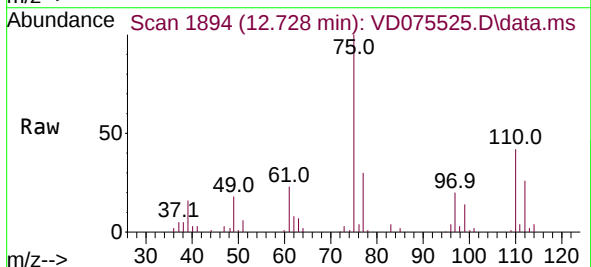
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

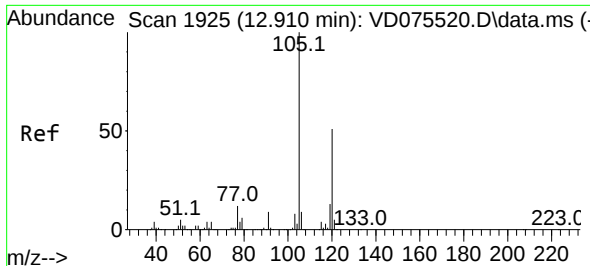
Tgt Ion:105 Resp: 597410
Ion Ratio Lower Upper
105 100
120 27.1 21.8 32.6
77 13.7 11.3 16.9



#61
1,2,3-Trichloropropane
Concen: 21.681 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion: 75 Resp: 64321
Ion Ratio Lower Upper
75 100
77 33.0 26.2 39.4
110 44.2 33.2 49.8

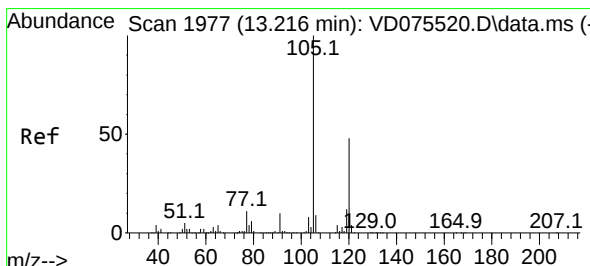
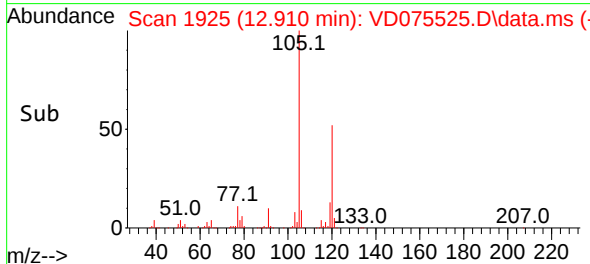
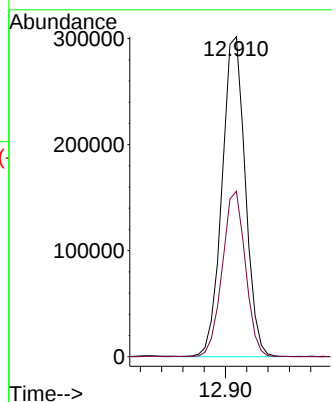
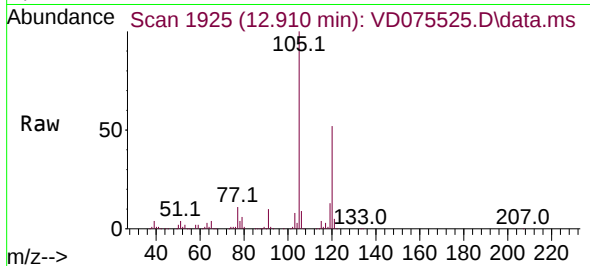




#62
 1,3,5-Trimethylbenzene
 Concen: 24.464 ug/L
 RT: 12.910 min Scan# 1925
 Delta R.T. 0.000 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

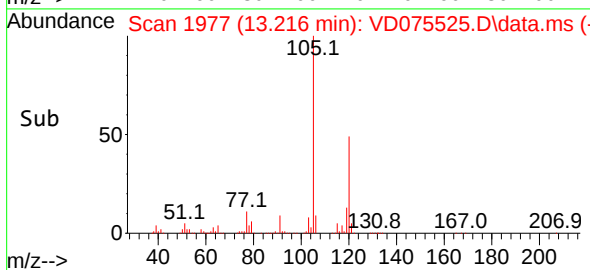
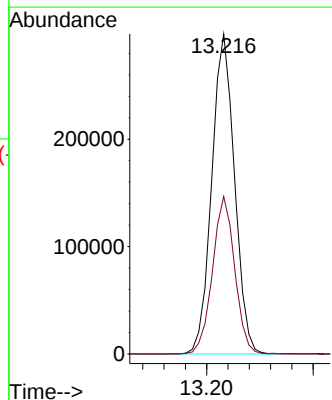
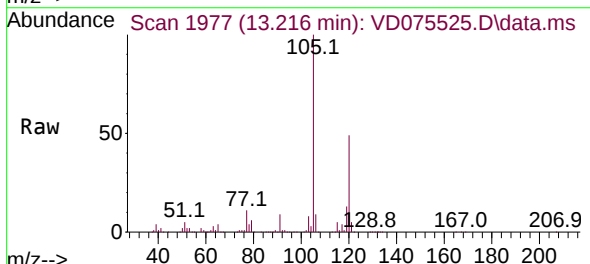
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025112

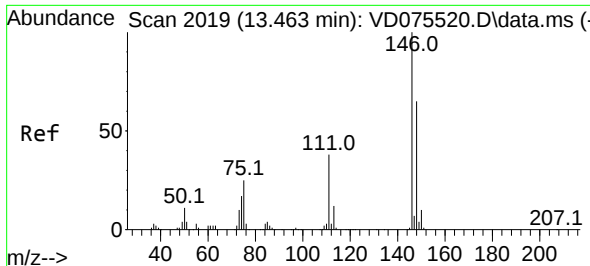
Tgt Ion:105 Resp: 457107
 Ion Ratio Lower Upper
 105 100
 120 51.4 40.6 60.8



#63
 1,2,4-Trimethylbenzene
 Concen: 24.212 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

Tgt Ion:105 Resp: 442352
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.2 57.2

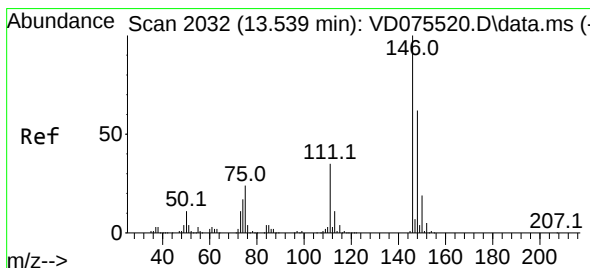
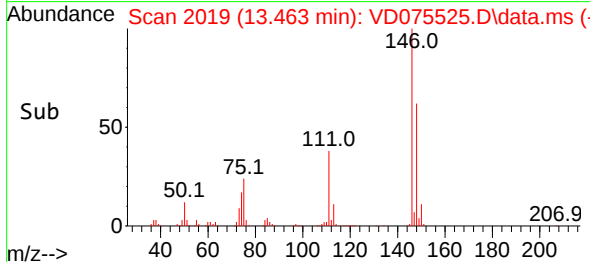
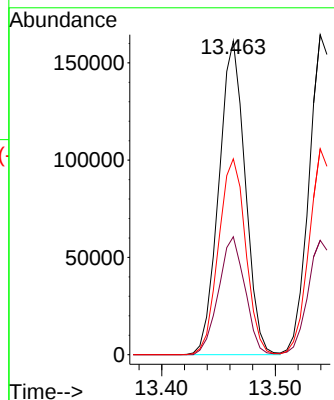
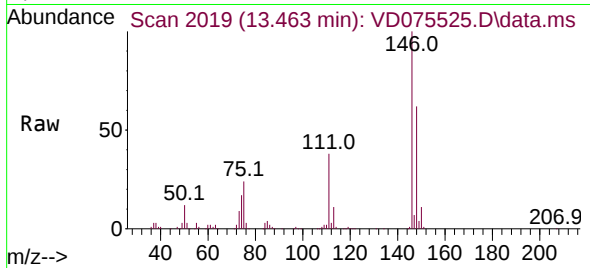




#64
1,3-Dichlorobenzene
Concen: 23.605 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

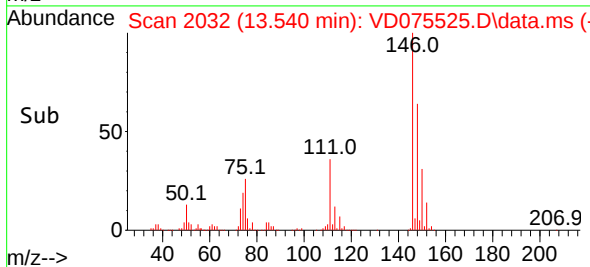
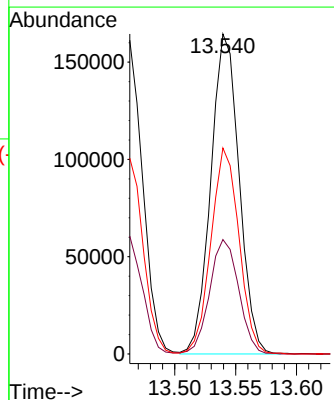
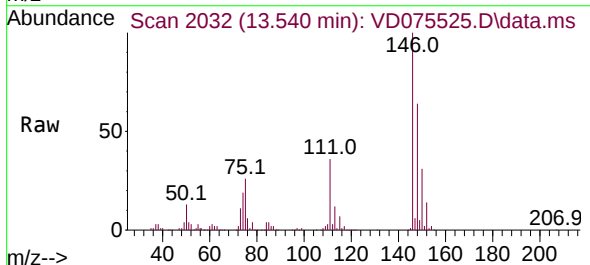
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

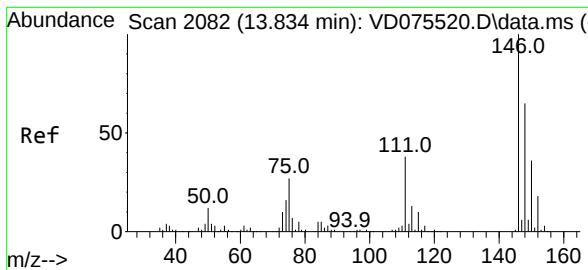
Tgt Ion:146 Resp: 259906
Ion Ratio Lower Upper
146 100
111 37.6 26.0 48.2
148 62.4 42.4 78.6



#65
1,4-Dichlorobenzene
Concen: 23.533 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion:146 Resp: 266534
Ion Ratio Lower Upper
146 100
111 35.7 24.8 46.1
148 64.3 45.6 84.6

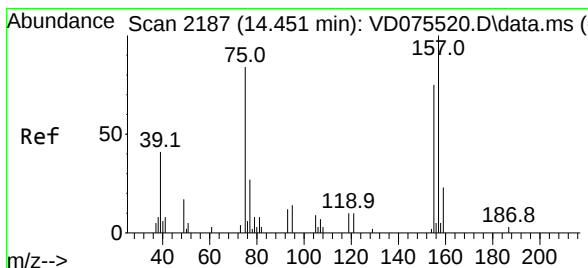
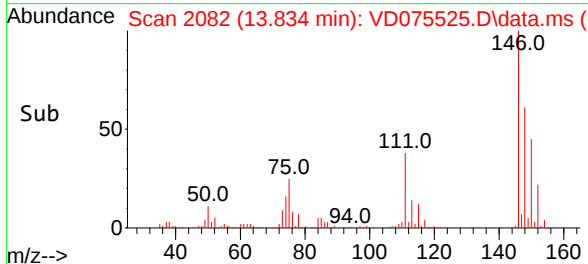
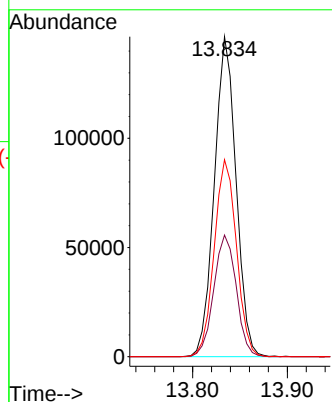
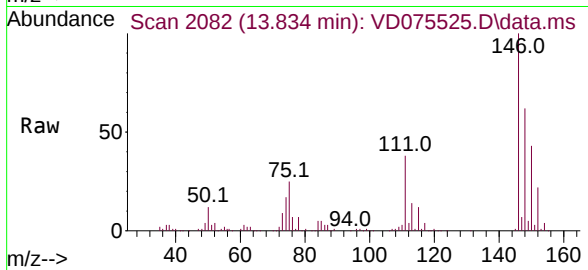




#67
1,2-Dichlorobenzene
Concen: 23.803 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

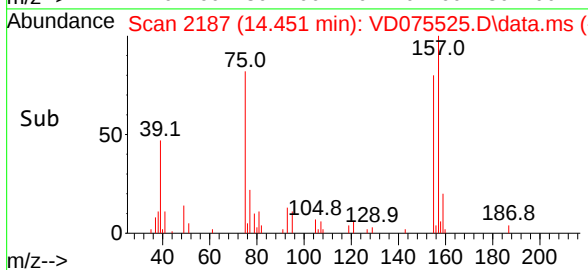
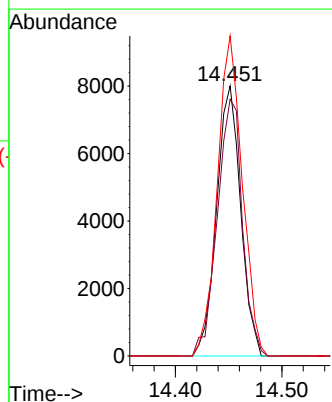
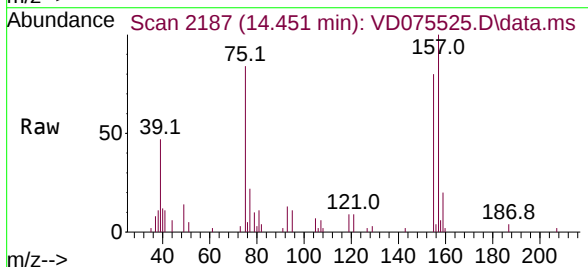
Instrument :
MSVOA_D
ClientSampleId :
VSTD025112

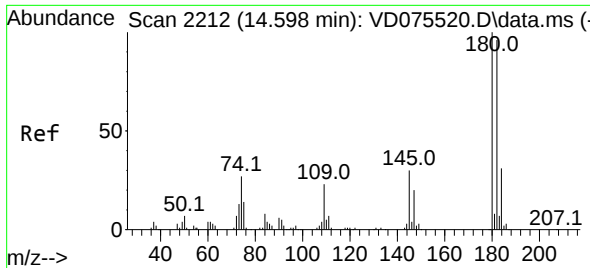
Tgt Ion:146 Resp: 233523
Ion Ratio Lower Upper
146 100
111 38.0 31.0 46.6
148 61.5 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 21.728 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VD075525.D
Acq: 23 Mar 2023 10:44

Tgt Ion: 75 Resp: 12518
Ion Ratio Lower Upper
75 100
155 95.0 71.3 106.9
157 118.5 85.8 128.6

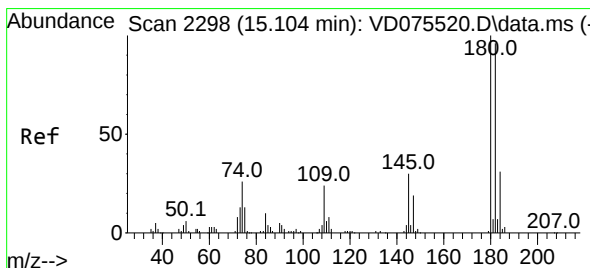
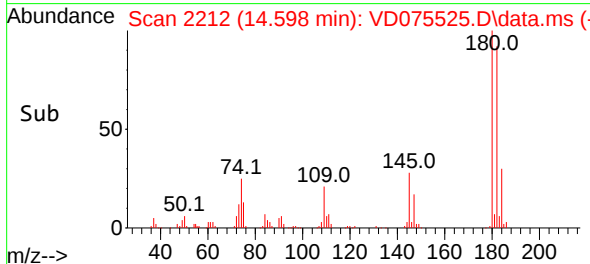
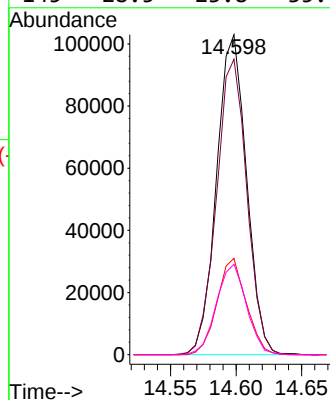
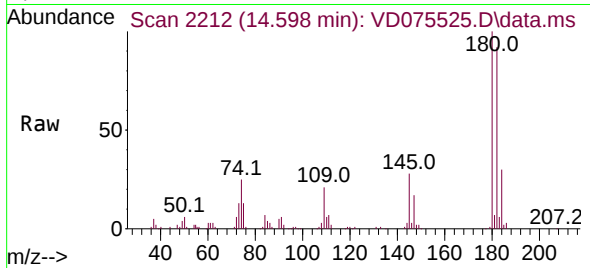




#69
 1,3,5-Trichlorobenzene
 Concen: 23.667 ug/L
 RT: 14.598 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

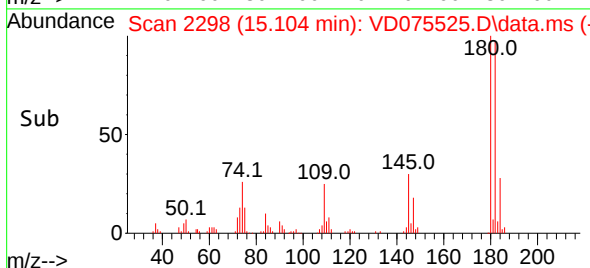
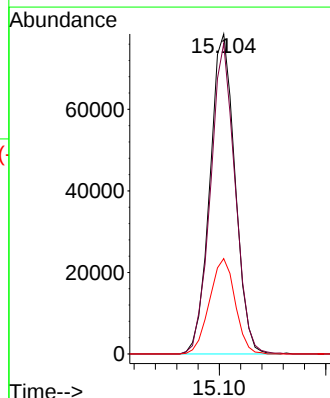
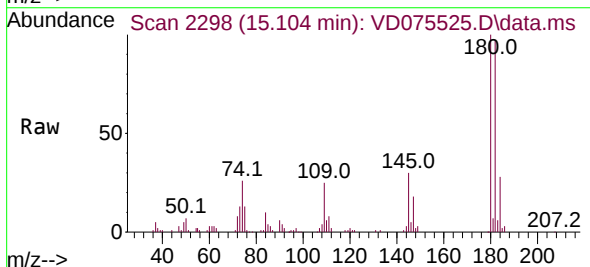
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025112

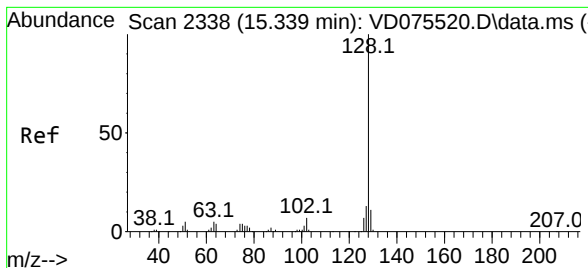
Tgt Ion:180 Resp: 163413
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.5 114.7
 184 29.3 23.6 35.4
 145 28.5 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 23.108 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD075525.D
 Acq: 23 Mar 2023 10:44

Tgt Ion:180 Resp: 128285
 Ion Ratio Lower Upper
 180 100
 182 95.2 74.3 111.5
 145 30.4 23.0 34.6





#71

Naphthalene

Concen: 22.245 ug/L

RT: 15.334 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Instrument :

MSVOA_D

ClientSampleId :

VSTD025112

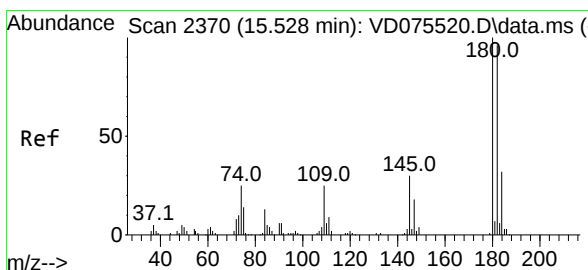
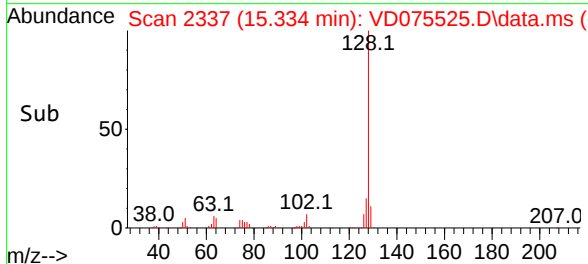
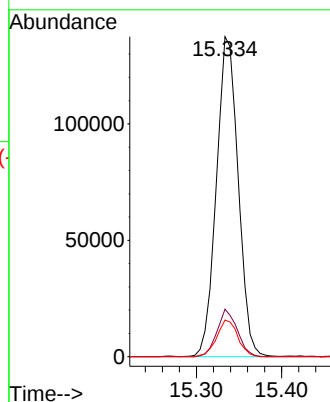
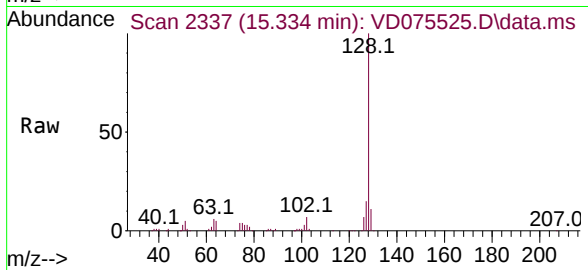
Tgt Ion:128 Resp: 244934

Ion Ratio Lower Upper

128 100

127 13.7 10.1 15.1

129 11.1 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 24.139 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. 0.000 min

Lab File: VD075525.D

Acq: 23 Mar 2023 10:44

Tgt Ion:180 Resp: 118120

Ion Ratio Lower Upper

180 100

182 94.3 75.3 112.9

145 31.1 25.1 37.7

