

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032323\
 Data File : VD075528.D
 Acq On : 23 Mar 2023 14:36
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025113

Quant Time: Mar 24 01:28:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 24 01:27:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	294769	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.587	117	270301	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	141450	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	125682	17.172	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.680%
7) Chloroethane-d5	2.805	69	137553	21.717	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.880%
11) 1,1-Dichloroethene-d2	3.928	63	132454	19.375	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.480%
21) 2-Butanone-d5	6.981	46	37753	55.663	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.320%
24) Chloroform-d	7.569	84	198233	25.662	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.640%
26) 1,2-Dichloroethane-d4	8.228	65	81863	24.462	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.840%
32) Benzene-d6	8.199	84	361000	22.489	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.960%
36) 1,2-Dichloropropane-d6	9.210	67	109829	24.207	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.840%
41) Toluene-d8	10.269	98	333288	22.759	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.040%
43) trans-1,3-Dichloroprop...	10.528	79	47427	25.581	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.320%
47) 2-Hexanone-d5	10.881	63	38490	58.806	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.620%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	110985	29.244	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.960%
66) 1,2-Dichlorobenzene-d4	13.816	152	128598	25.991	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	92215	20.334	ug/L	100
3) Chloromethane	2.152	50	131583	17.254	ug/L	96
5) Vinyl chloride	2.287	62	205254	21.401	ug/L	99
6) Bromomethane	2.693	94	136849	30.106	ug/L	100
8) Chloroethane	2.840	64	143622	23.813	ug/L	99
9) Trichlorofluoromethane	3.175	101	169356	23.588	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	119300	24.053	ug/L	97
12) 1,1-Dichloroethene	3.940	96	102841	23.547	ug/L	93
13) Acetone	4.022	43	33820	44.142	ug/L	68
14) Carbon disulfide	4.275	76	241785	19.798	ug/L	99
15) Methyl Acetate	4.569	43	29669	22.819	ug/L	90
16) Methylene chloride	4.805	84	124188	19.948	ug/L	95
17) trans-1,2-Dichloroethene	5.311	96	108890	23.259	ug/L	91
18) Methyl tert-butyl Ether	5.322	73	219366	25.213	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	179581	22.675	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	128970	24.386	ug/L	88
22) 2-Butanone	7.081	43	42055	43.256	ug/L	76
23) Bromochloromethane	7.422	128	59149	26.106	ug/L #	91
25) Chloroform	7.599	83	213543	24.728	ug/L	97

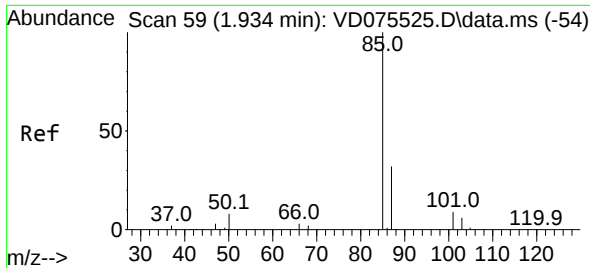
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032323\
 Data File : VD075528.D
 Acq On : 23 Mar 2023 14:36
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025113

Quant Time: Mar 24 01:28:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 24 01:27:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	108054	23.203	ug/L #	93
29) Cyclohexane	7.875	56	118256	20.446	ug/L	93
30) 1,1,1-Trichloroethane	7.793	97	177729	24.454	ug/L	97
31) Carbon tetrachloride	7.987	117	143499	24.858	ug/L	97
33) Benzene	8.252	78	447735	23.049	ug/L	100
34) Trichloroethene	9.028	95	117550	23.171	ug/L	96
35) Methylcyclohexane	9.275	83	172757	21.813	ug/L	96
37) 1,2-Dichloropropane	9.304	63	109240	22.885	ug/L	98
38) Bromodichloromethane	9.587	83	159590	25.274	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	171871	23.527	ug/L	96
40) 4-Methyl-2-pentanone	10.163	43	89439	48.858	ug/L	99
42) Toluene	10.334	91	516996	24.310	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	148379	24.652	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	98887	25.937	ug/L	99
46) Tetrachloroethene	10.810	164	92954	23.912	ug/L	97
48) 2-Hexanone	10.922	43	64115	47.603	ug/L	95
49) Dibromochloromethane	11.075	129	114024	27.379	ug/L	97
50) 1,2-Dibromoethane	11.181	107	89060	25.842	ug/L #	98
51) Chlorobenzene	11.610	112	337817	24.439	ug/L	100
52) Ethylbenzene	11.687	91	558426	24.692	ug/L	99
53) m,p-Xylene	11.793	106	221590	24.868	ug/L	98
54) o-Xylene	12.122	106	215928	25.617	ug/L	98
55) Styrene	12.140	104	397688	26.565	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	111188	26.646	ug/L	97
59) Bromoform	12.304	173	67764	26.549	ug/L	98
60) Isopropylbenzene	12.422	105	580046	24.382	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	68356	24.107	ug/L	97
62) 1,3,5-Trimethylbenzene	12.910	105	438020	24.527	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	436591	25.002	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	259449	24.654	ug/L	97
65) 1,4-Dichlorobenzene	13.540	146	264068	24.394	ug/L	96
67) 1,2-Dichlorobenzene	13.834	146	230358	24.567	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	14115	25.634	ug/L	91
69) 1,3,5-Trichlorobenzene	14.598	180	154068	23.346	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	127459	24.022	ug/L	99
71) Naphthalene	15.339	128	257939	24.510	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	118339	25.302	ug/L	99

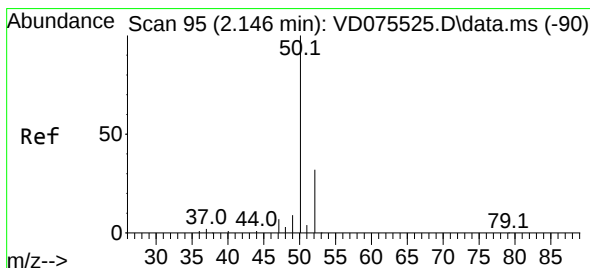
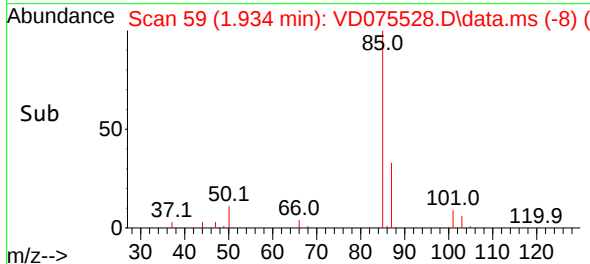
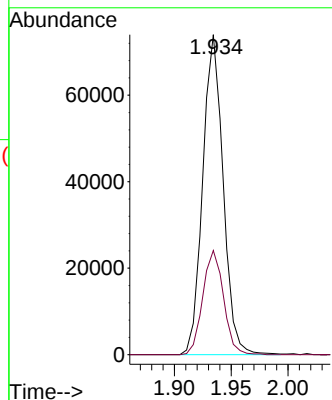
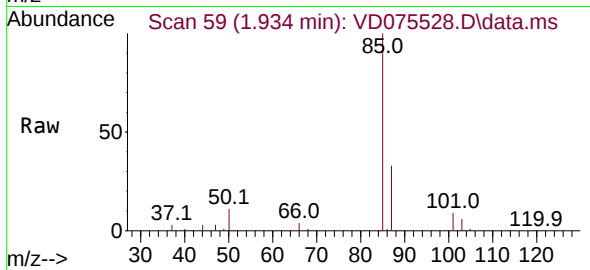
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 20.334 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

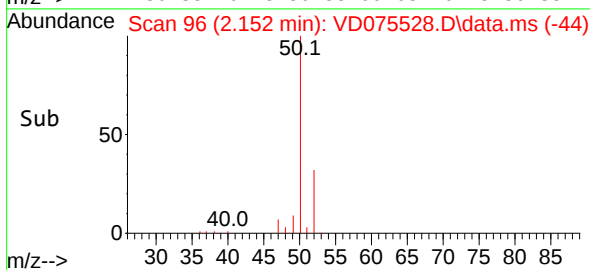
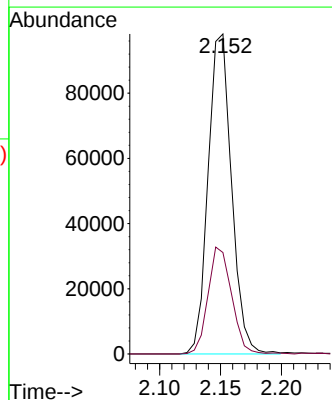
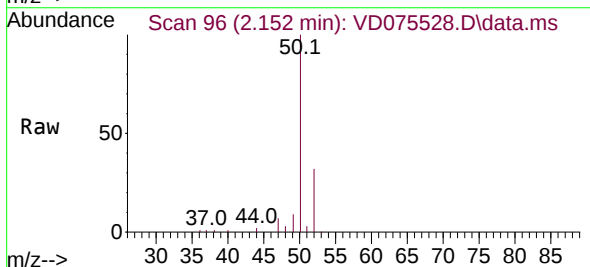
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

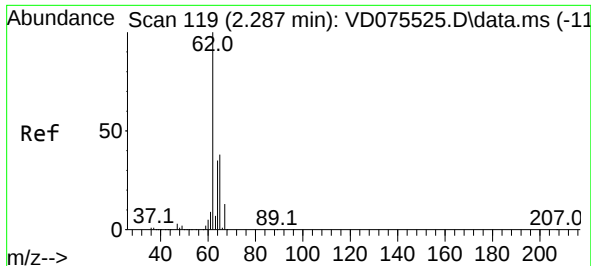
Tgt Ion: 85 Resp: 92215
Ion Ratio Lower Upper
85 100
87 33.1 26.4 39.6



#3
Chloromethane
Concen: 17.254 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion: 50 Resp: 131583
Ion Ratio Lower Upper
50 100
52 31.7 23.7 43.9

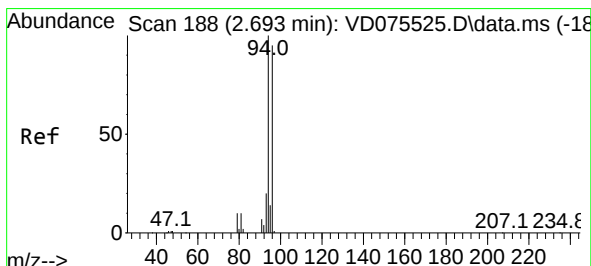
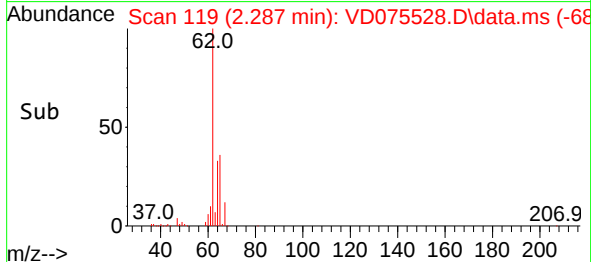
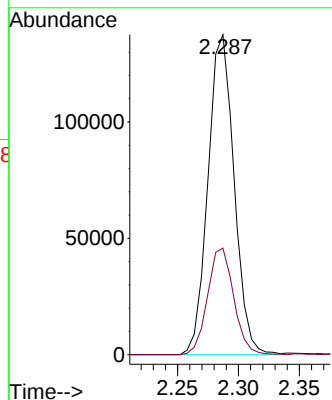
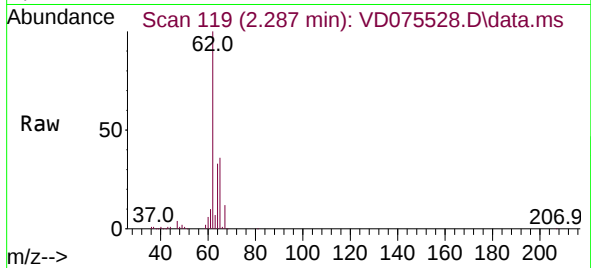




#5
 Vinyl chloride
 Concen: 21.401 ug/L
 RT: 2.287 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

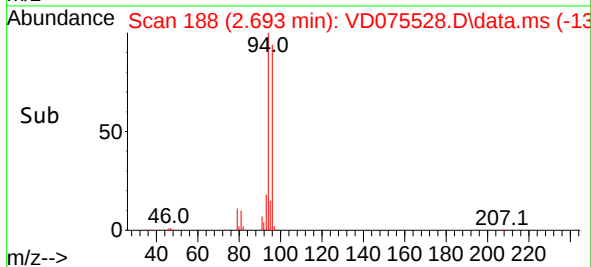
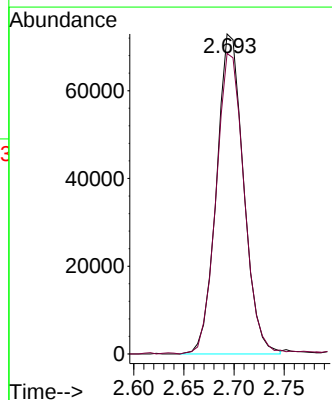
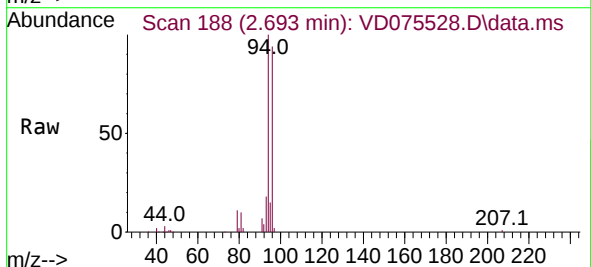
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025113

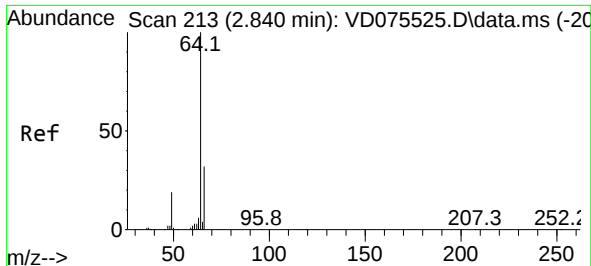
Tgt Ion: 62 Resp: 205254
 Ion Ratio Lower Upper
 62 100
 64 33.3 22.7 42.3



#6
 Bromomethane
 Concen: 30.106 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

Tgt Ion: 94 Resp: 136849
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.9 122.5

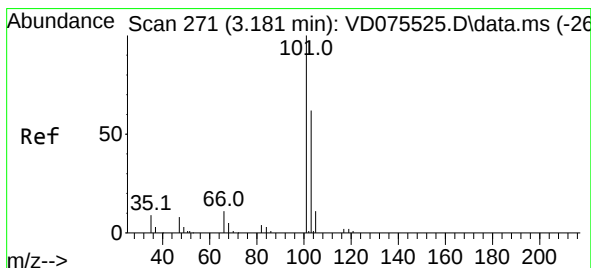
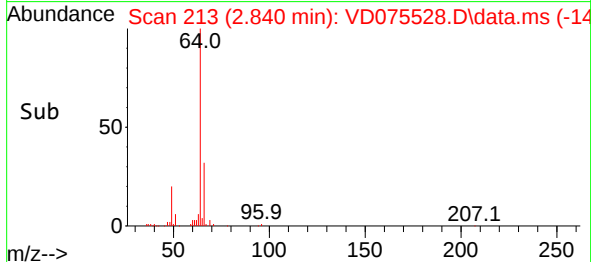
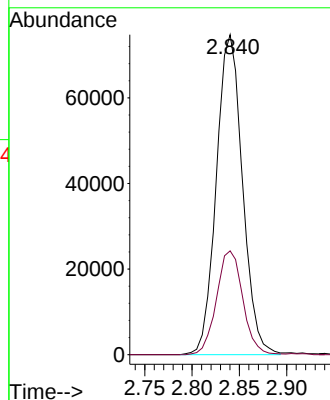
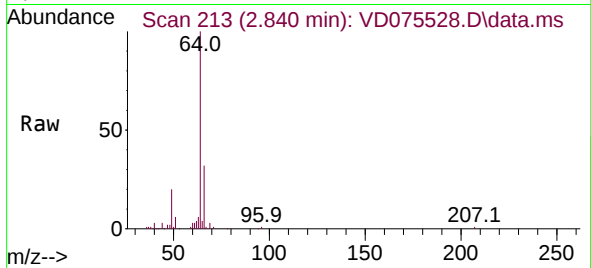




#8
Chloroethane
Concen: 23.813 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

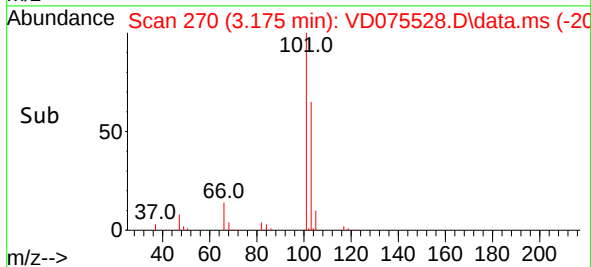
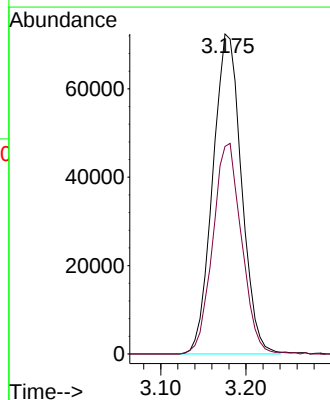
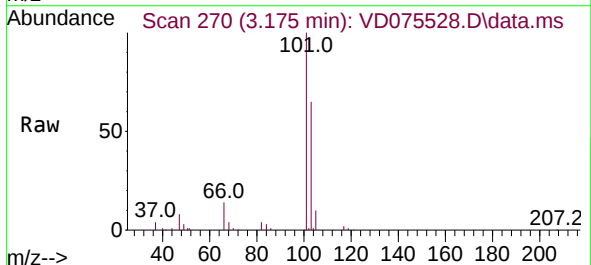
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

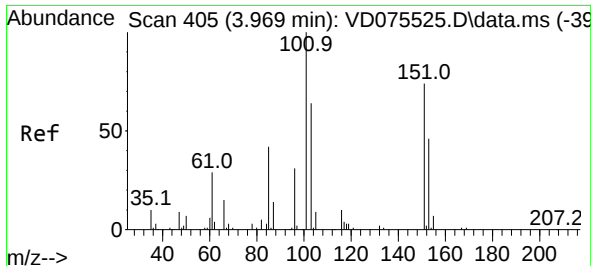
Tgt Ion: 64 Resp: 143622
Ion Ratio Lower Upper
64 100
66 32.5 22.2 41.2



#9
Trichlorofluoromethane
Concen: 23.588 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion:101 Resp: 169356
Ion Ratio Lower Upper
101 100
103 65.9 51.8 77.8

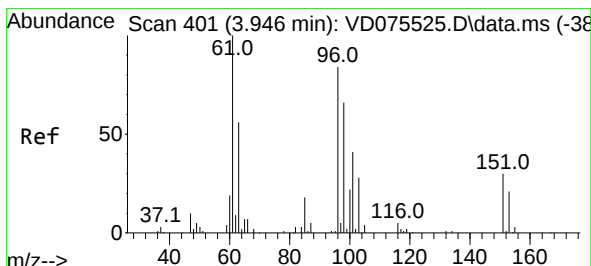
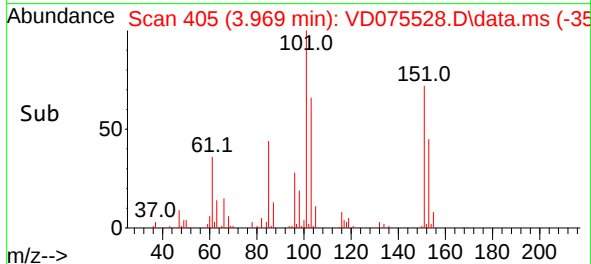
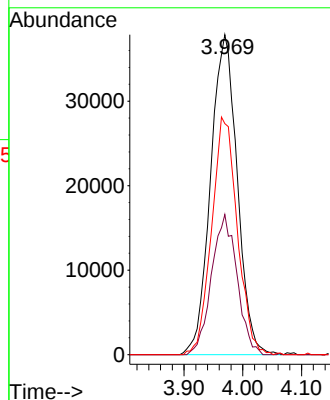
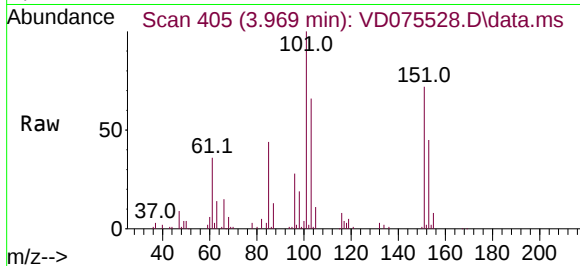




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.053 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

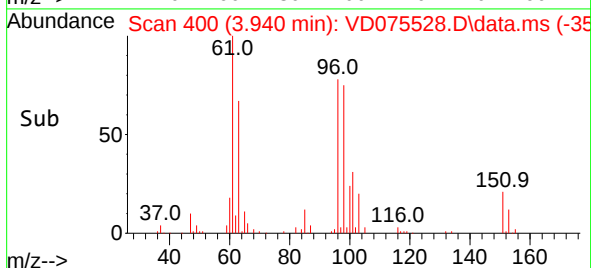
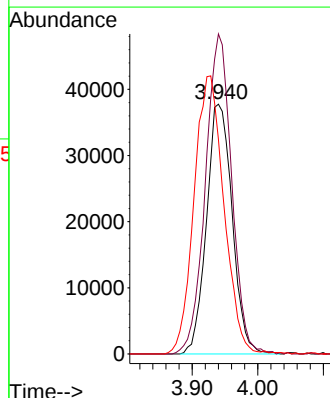
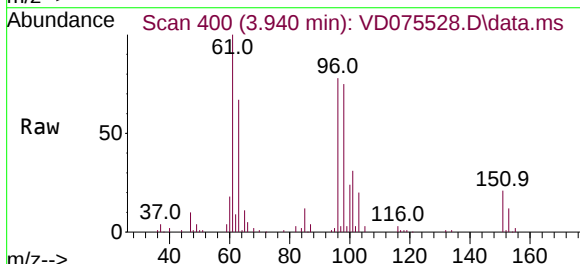
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025113

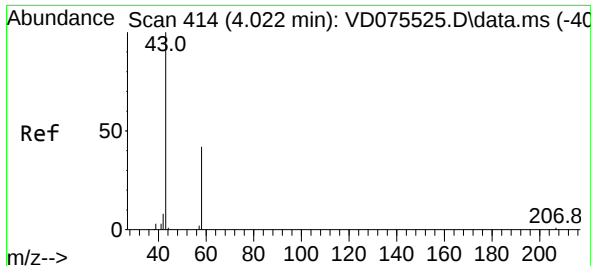
Tgt Ion:101 Resp: 119300
 Ion Ratio Lower Upper
 101 100
 85 41.9 34.0 51.0
 151 71.5 54.8 82.2



#12
 1,1-Dichloroethene
 Concen: 23.547 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.006 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

Tgt Ion: 96 Resp: 102841
 Ion Ratio Lower Upper
 96 100
 61 128.1 97.5 181.1
 63 85.9 62.4 116.0

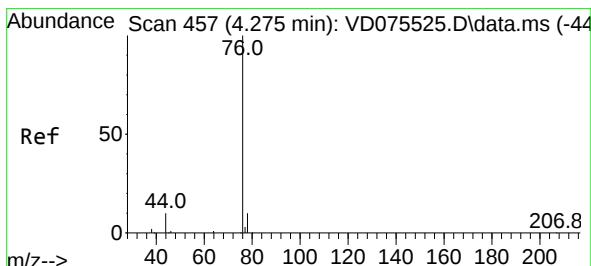
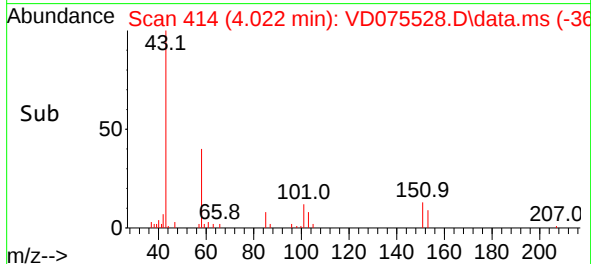
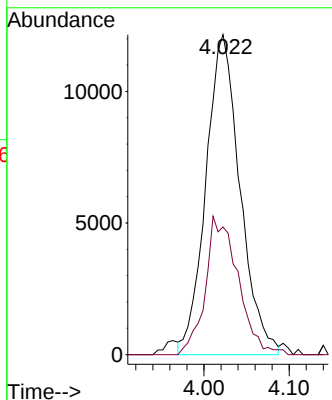
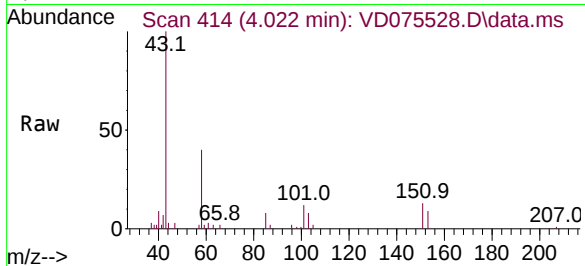




#13
Acetone
Concen: 44.142 ug/L
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

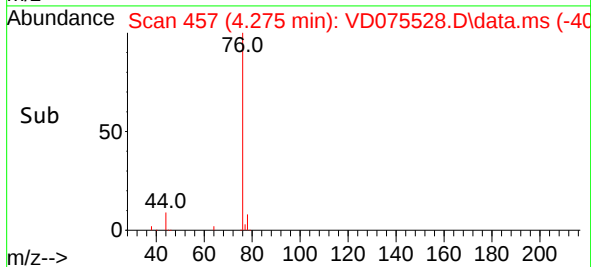
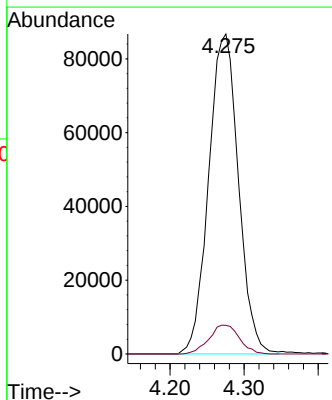
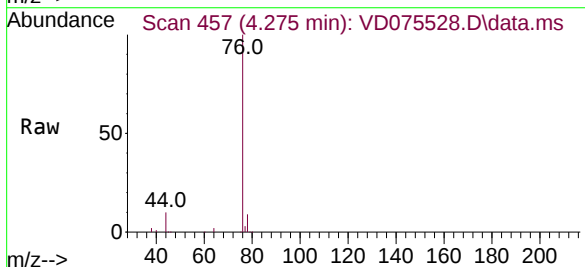
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

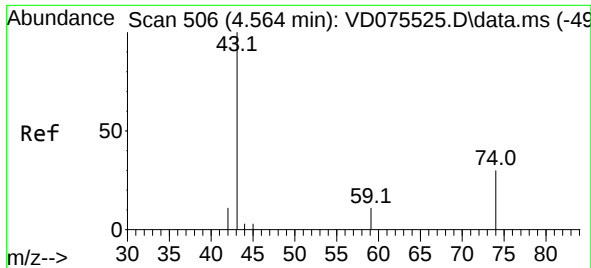
Tgt Ion: 43 Resp: 33820
Ion Ratio Lower Upper
43 100
58 18.3 0.0 75.4



#14
Carbon disulfide
Concen: 19.798 ug/L
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion: 76 Resp: 241785
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2

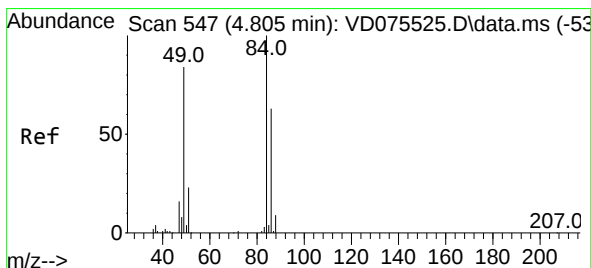
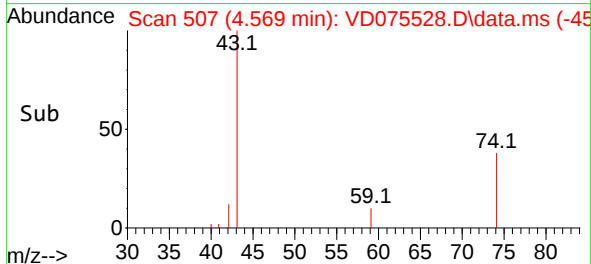
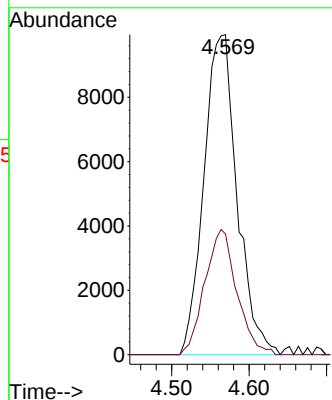
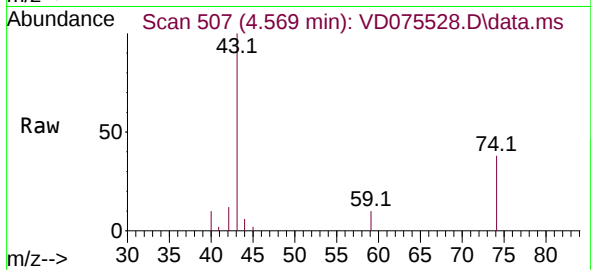




#15
Methyl Acetate
Concen: 22.819 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

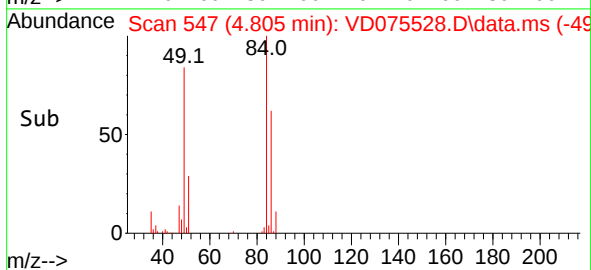
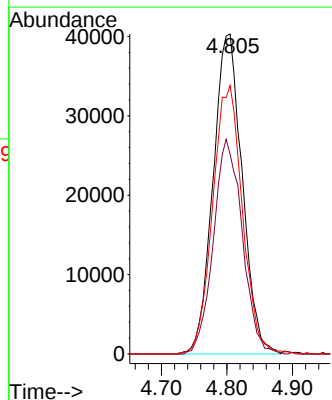
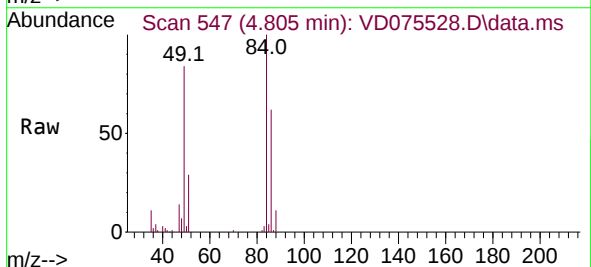
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

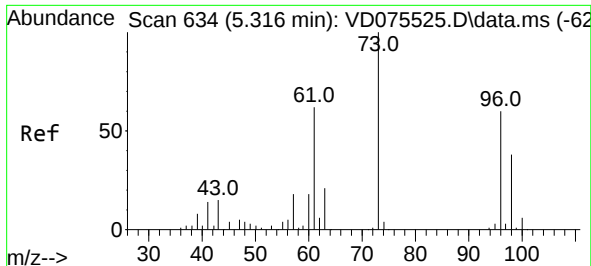
Tgt Ion: 43 Resp: 29669
Ion Ratio Lower Upper
43 100
74 37.7 25.7 38.5



#16
Methylene chloride
Concen: 19.948 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion: 84 Resp: 124188
Ion Ratio Lower Upper
84 100
86 62.4 44.2 82.2
49 83.8 63.6 118.2

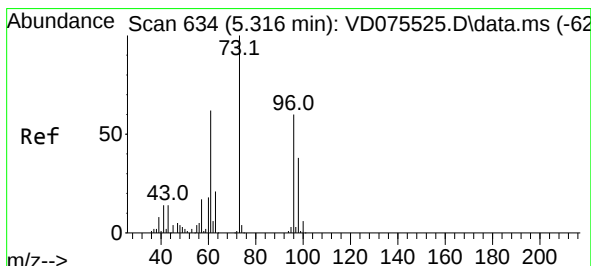
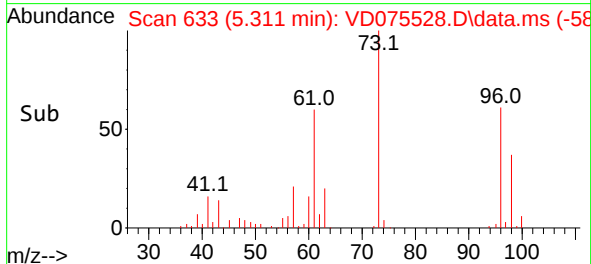
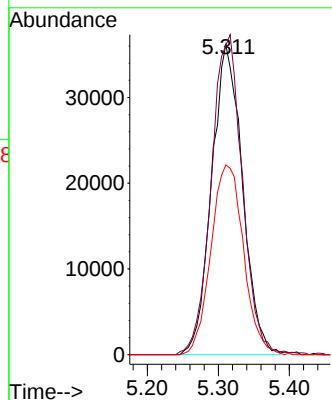
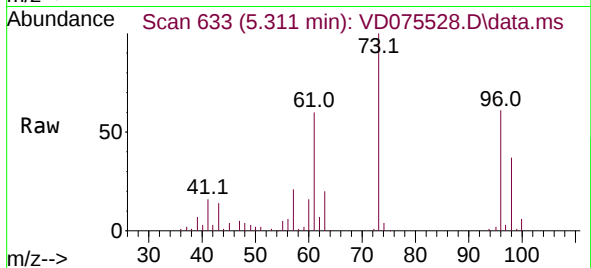




#17
trans-1,2-Dichloroethene
Concen: 23.259 ug/L
RT: 5.311 min Scan# 611
Delta R.T. -0.006 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

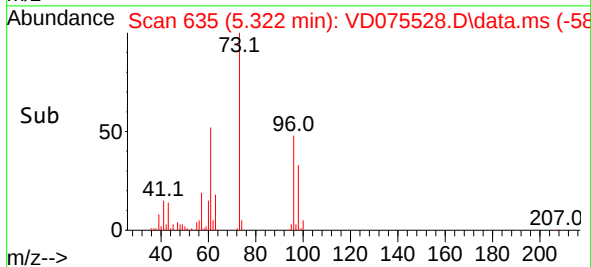
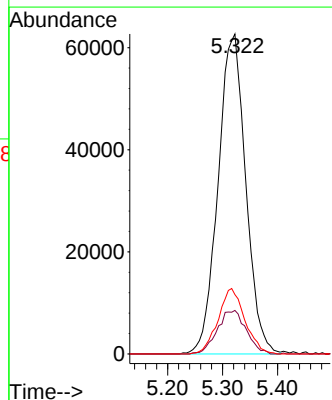
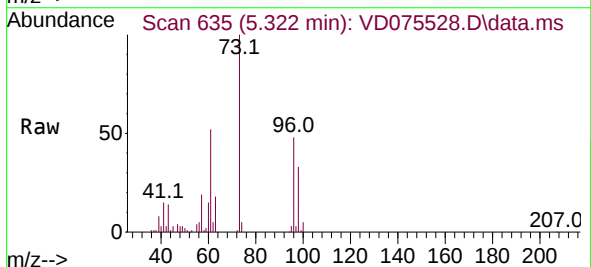
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

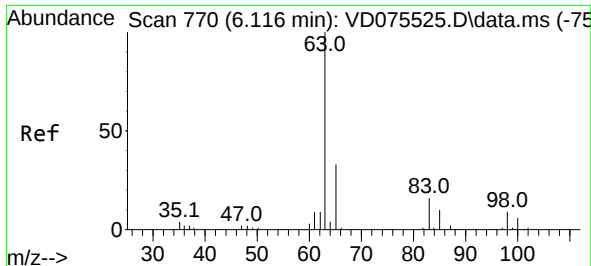
Tgt Ion: 96 Resp: 108890
Ion Ratio Lower Upper
96 100
61 99.8 77.8 144.6
98 61.3 47.0 87.4



#18
Methyl tert-butyl Ether
Concen: 25.213 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion: 73 Resp: 219366
Ion Ratio Lower Upper
73 100
43 7.7 12.1 18.1#
57 19.8 17.0 25.4





#19

1,1-Dichloroethane

Concen: 22.675 ug/L

RT: 6.111 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTD025113

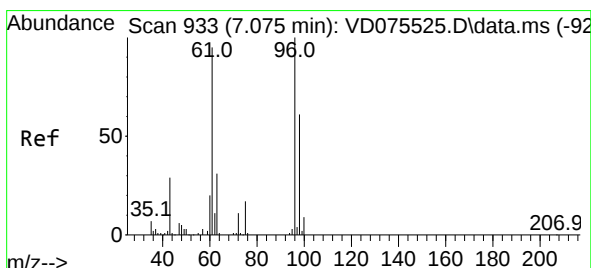
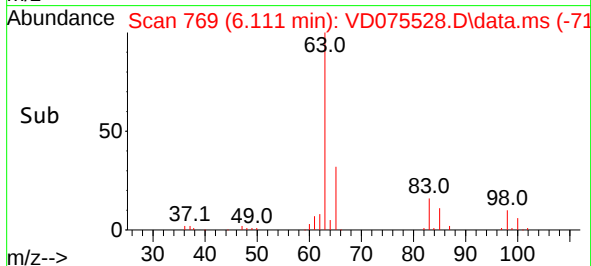
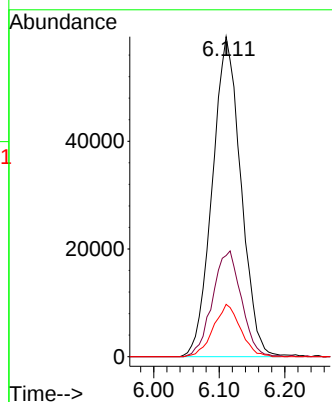
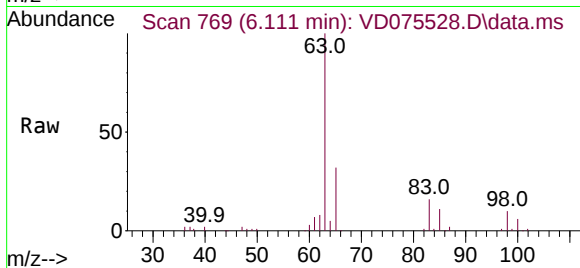
Tgt Ion: 63 Resp: 179581

Ion Ratio Lower Upper

63 100

65 31.6 21.1 39.3

83 16.4 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 24.386 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

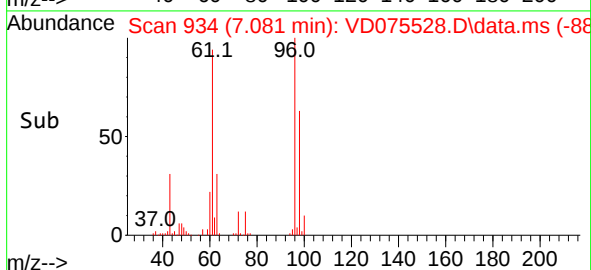
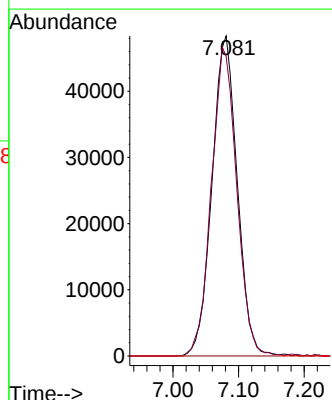
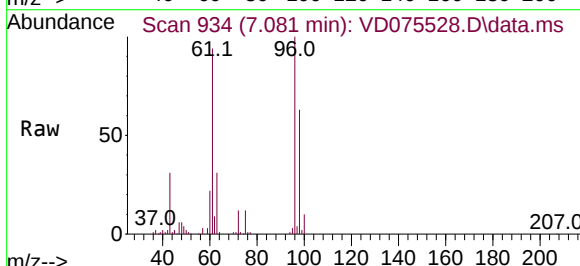
Tgt Ion: 96 Resp: 128970

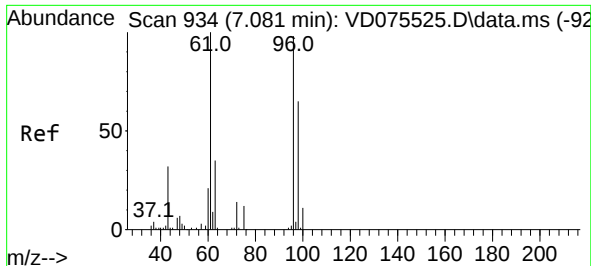
Ion Ratio Lower Upper

96 100

61 93.7 73.9 137.3

68 0.0 0.0 0.0

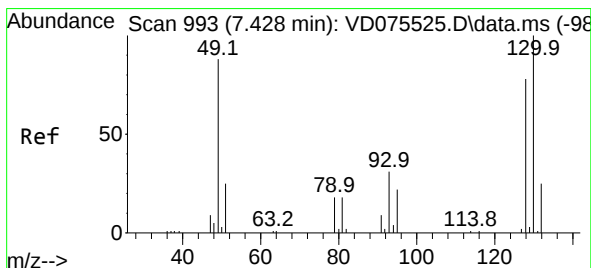
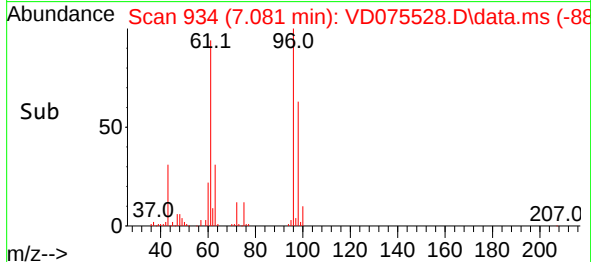
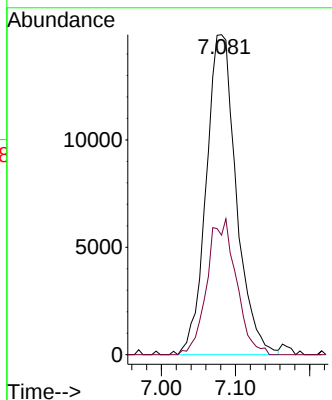
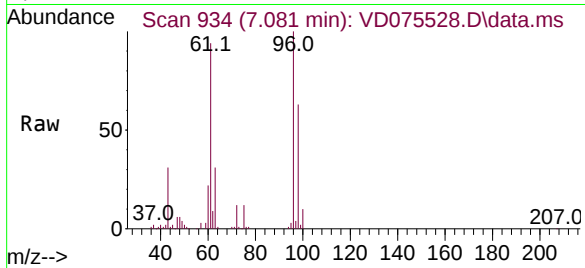




#22
2-Butanone
Concen: 43.256 ug/L
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

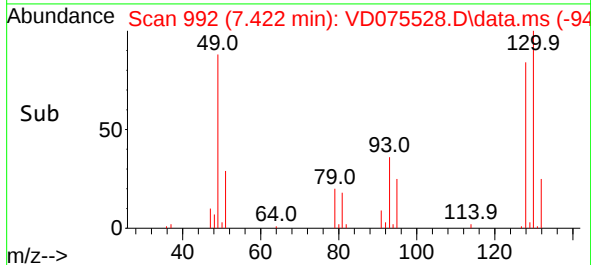
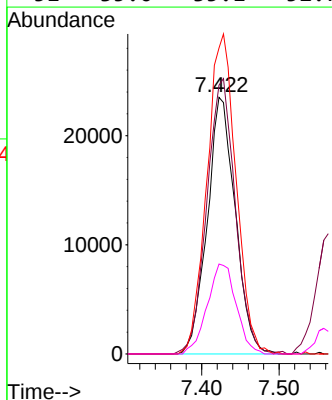
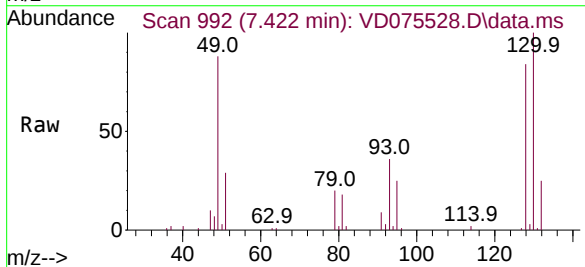
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

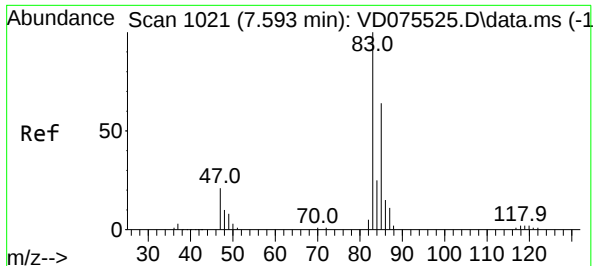
Tgt Ion: 43 Resp: 42055
Ion Ratio Lower Upper
43 100
72 22.5 18.3 54.9



#23
Bromochloromethane
Concen: 26.106 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion:128 Resp: 59149
Ion Ratio Lower Upper
128 100
49 104.7 84.2 156.4
130 119.2 82.5 153.1
51 35.0 35.1 52.7#

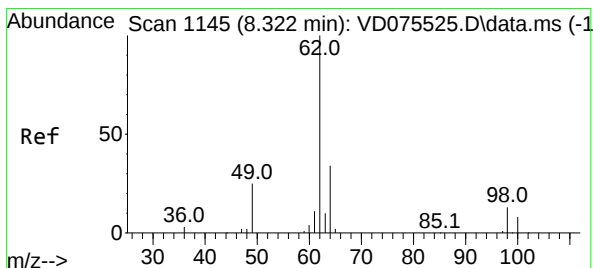
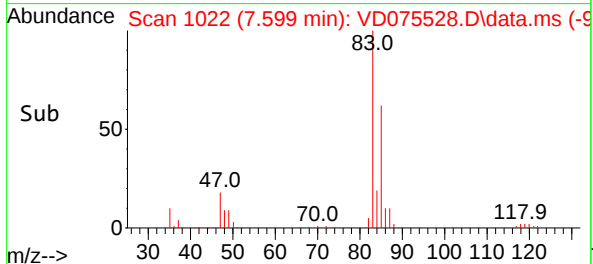
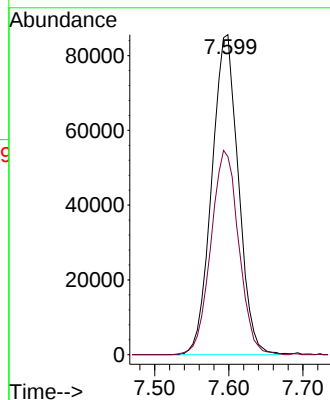
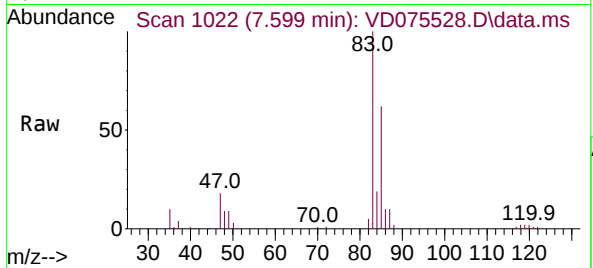




#25
Chloroform
Concen: 24.728 ug/L
RT: 7.599 min Scan# 1021
Delta R.T. 0.006 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

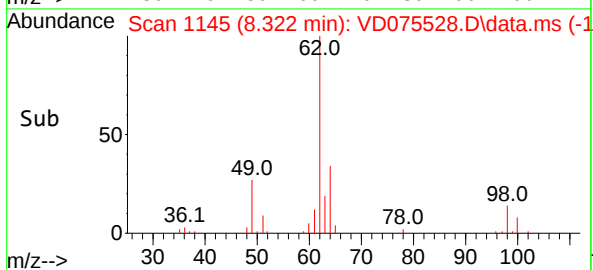
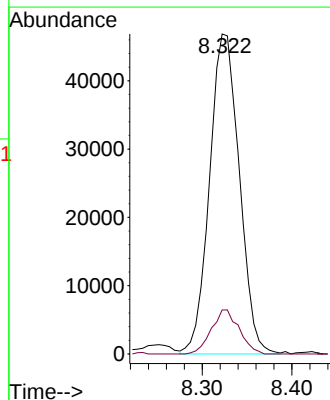
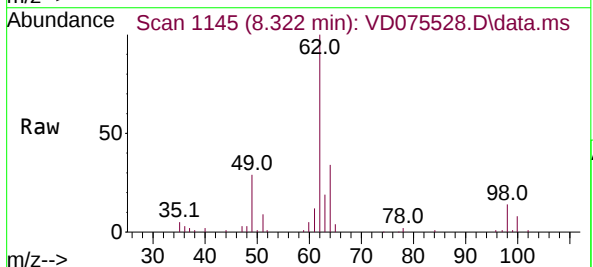
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

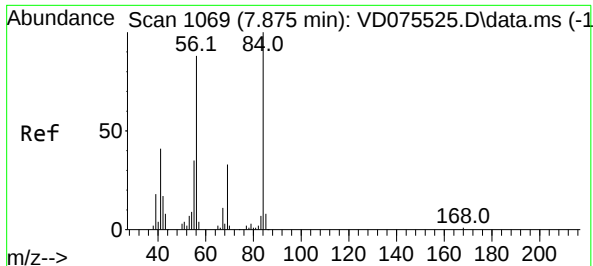
Tgt Ion: 83 Resp: 213543
Ion Ratio Lower Upper
83 100
85 61.9 44.9 83.3



#27
1,2-Dichloroethane
Concen: 23.203 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion: 62 Resp: 108054
Ion Ratio Lower Upper
62 100
98 13.7 8.8 13.2#





#29

Cyclohexane

Concen: 20.446 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTD025113

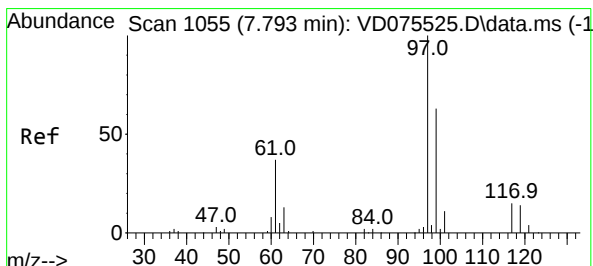
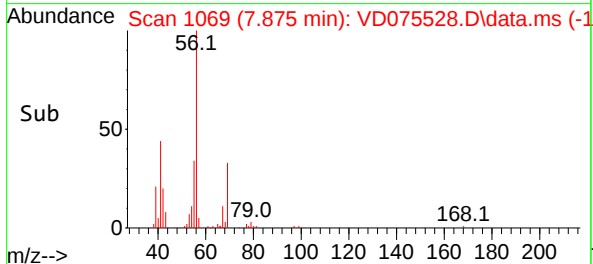
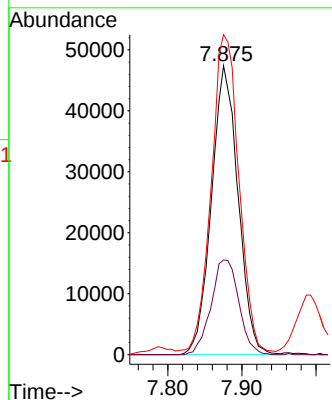
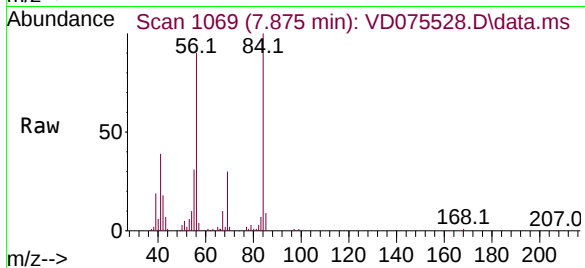
Tgt Ion: 56 Resp: 118256

Ion Ratio Lower Upper

56 100

69 34.1 27.0 40.6

84 116.0 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 24.454 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

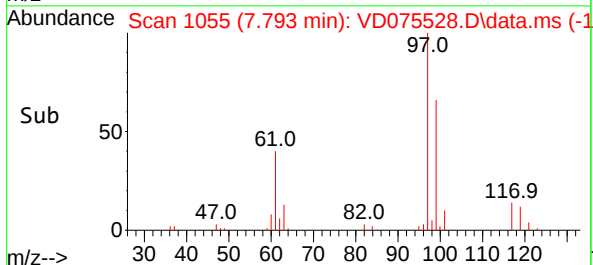
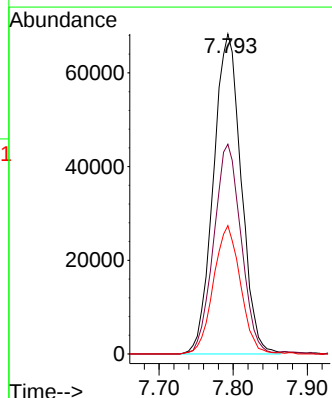
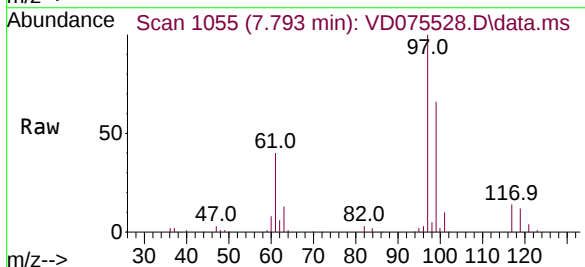
Tgt Ion: 97 Resp: 177729

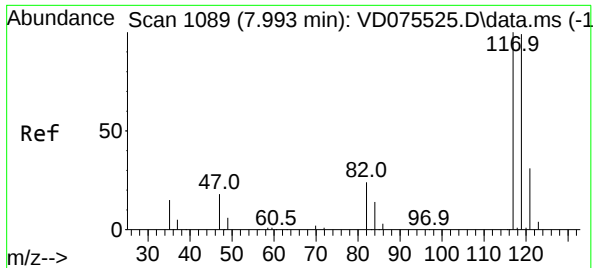
Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 39.1 34.0 51.0

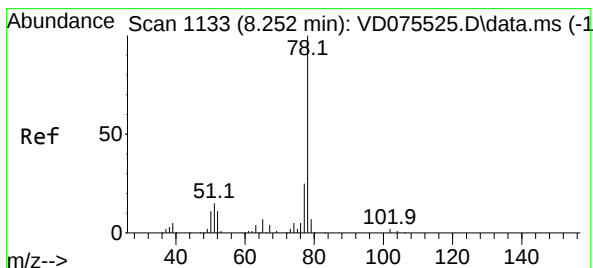
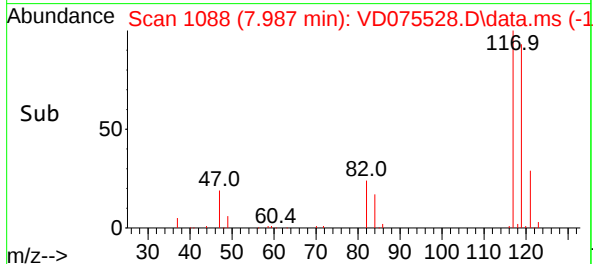
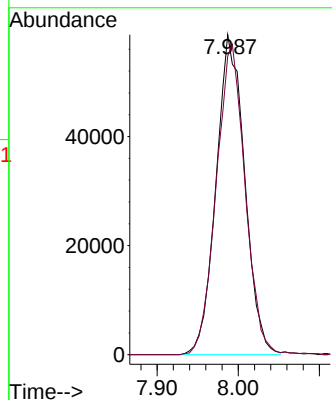
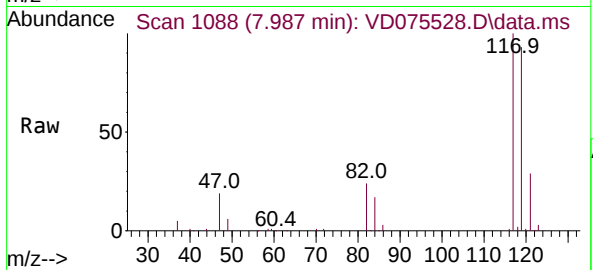




#31
Carbon tetrachloride
Concen: 24.858 ug/L
RT: 7.987 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

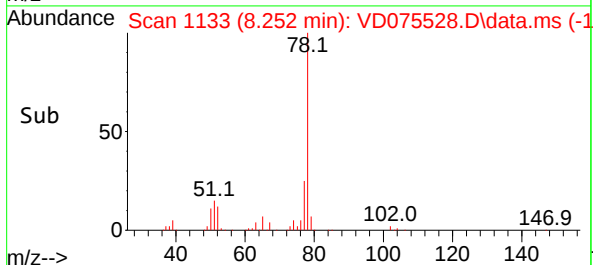
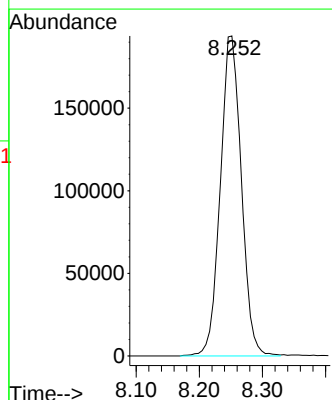
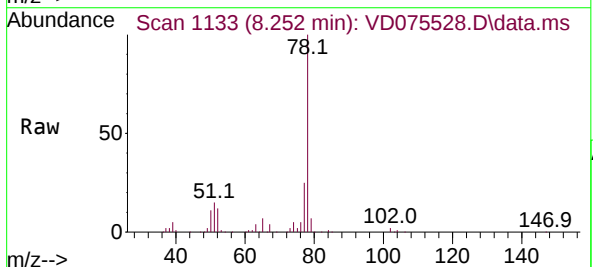
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

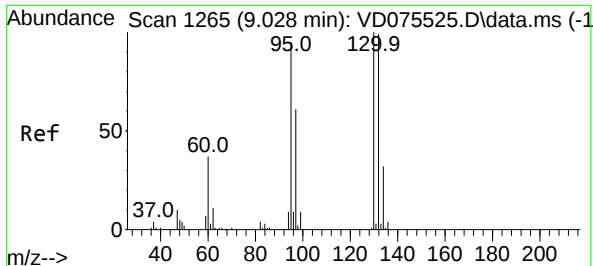
Tgt Ion:117 Resp: 143499
Ion Ratio Lower Upper
117 100
119 97.8 76.2 114.2



#33
Benzene
Concen: 23.049 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion: 78 Resp: 447735

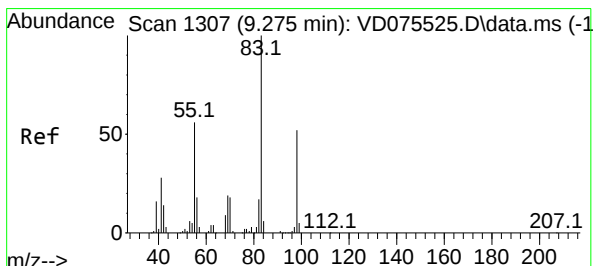
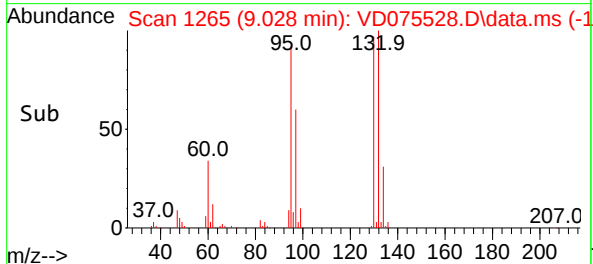
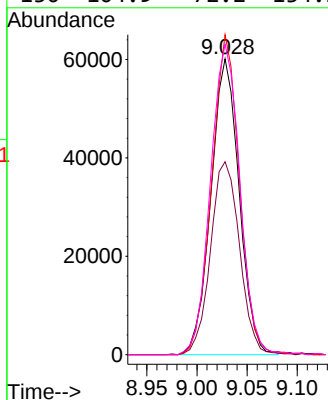
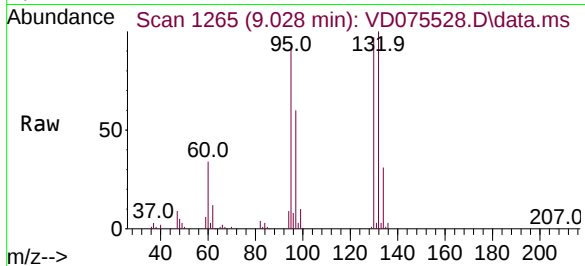




#34
Trichloroethene
Concen: 23.171 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

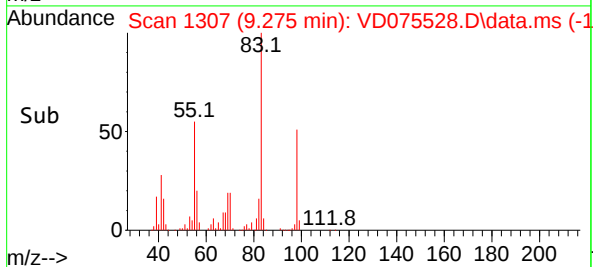
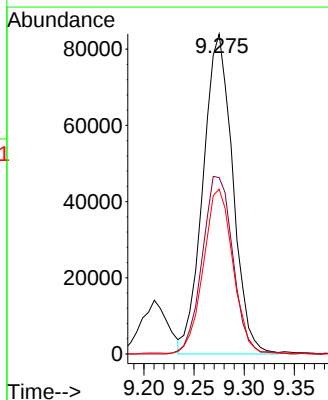
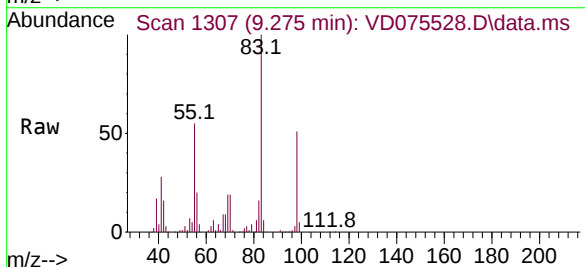
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

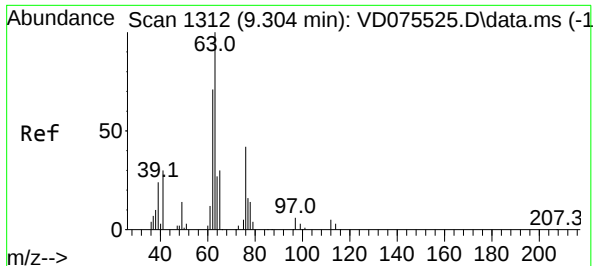
Tgt Ion: 95 Resp: 117550
Ion Ratio Lower Upper
95 100
97 65.2 44.7 83.1
132 108.1 70.0 130.0
130 104.9 72.2 134.2



#35
Methylcyclohexane
Concen: 21.813 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion: 83 Resp: 172757
Ion Ratio Lower Upper
83 100
55 57.0 49.3 73.9
98 51.2 39.8 59.6





#37

1,2-Dichloropropane

Concen: 22.885 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

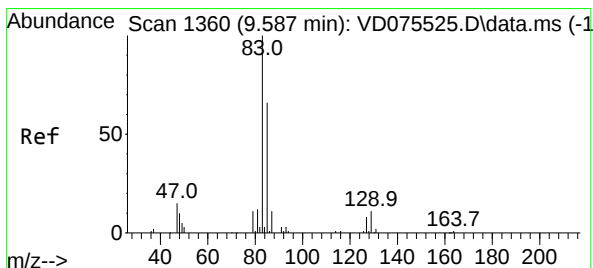
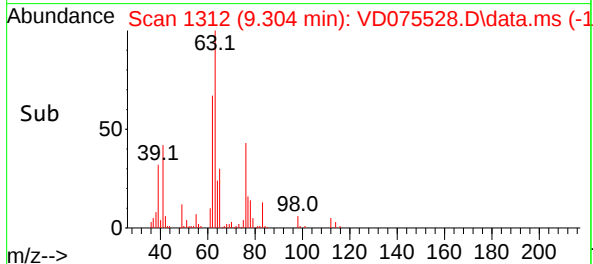
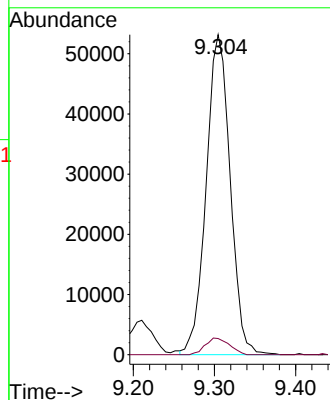
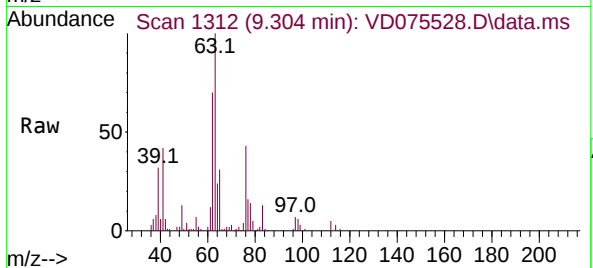
VSTD025113

Tgt Ion: 63 Resp: 109240

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 25.274 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

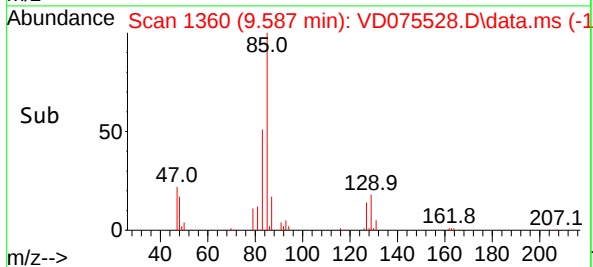
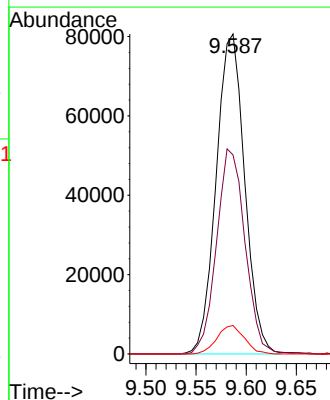
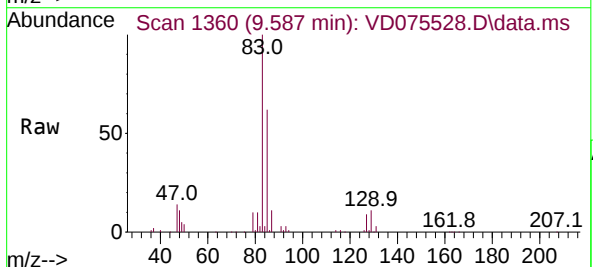
Tgt Ion: 83 Resp: 159590

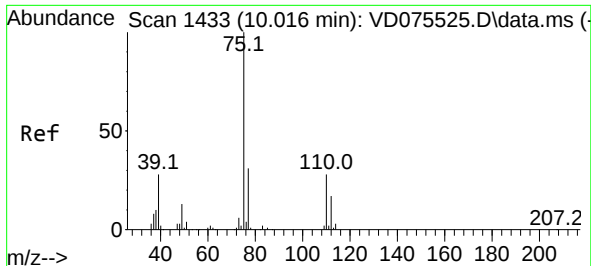
Ion Ratio Lower Upper

83 100

85 62.2 44.6 82.8

127 8.9 6.6 9.8

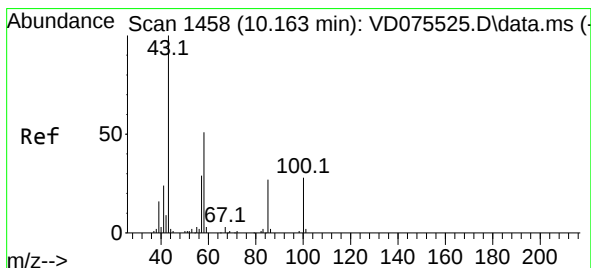
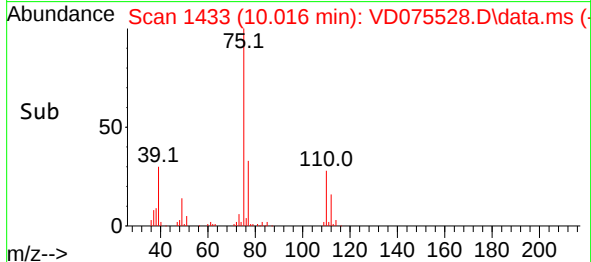
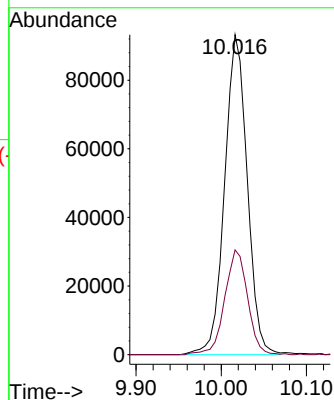
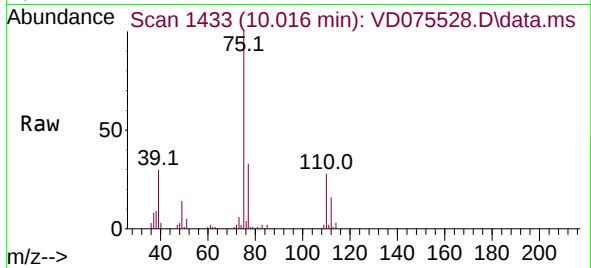




#39
 cis-1,3-Dichloropropene
 Concen: 23.527 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

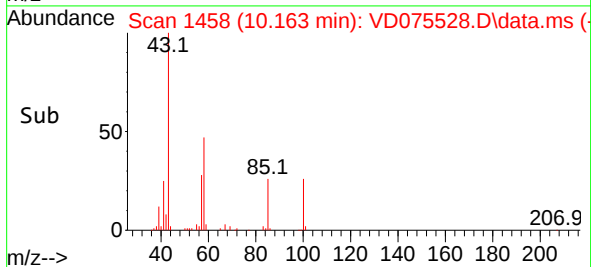
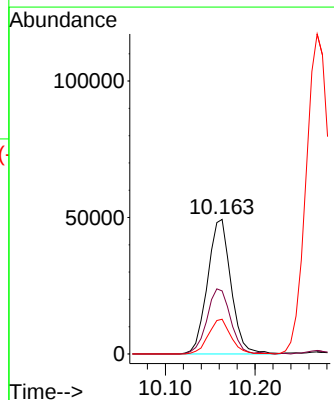
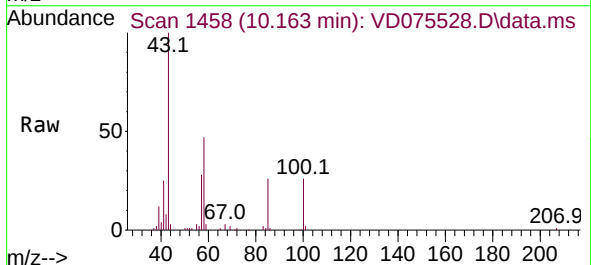
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025113

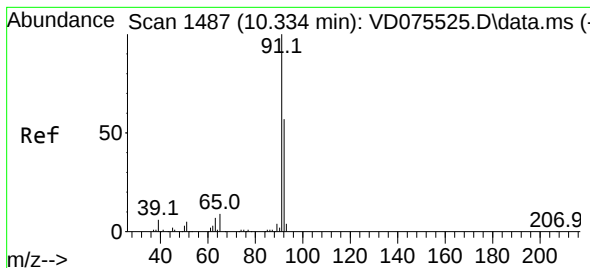
Tgt Ion: 75 Resp: 171871
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 48.858 ug/L
 RT: 10.163 min Scan# 1458
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

Tgt Ion: 43 Resp: 89439
 Ion Ratio Lower Upper
 43 100
 58 48.5 39.0 58.6
 100 24.7 18.7 28.1





#42

Toluene

Concen: 24.310 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

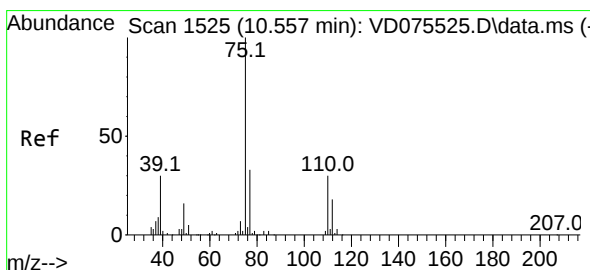
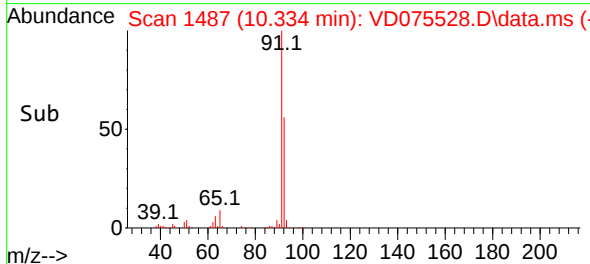
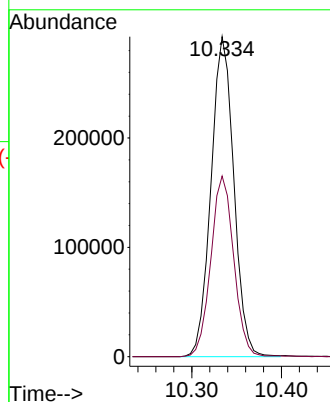
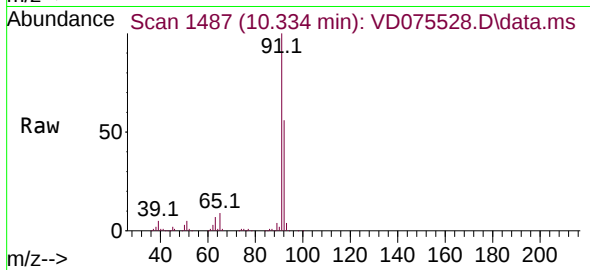
VSTD025113

Tgt Ion: 91 Resp: 516996

Ion Ratio Lower Upper

91 100

92 56.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 24.652 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VD075528.D

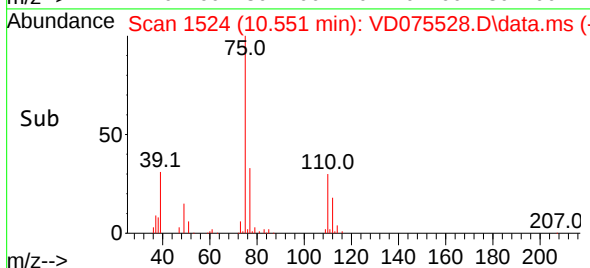
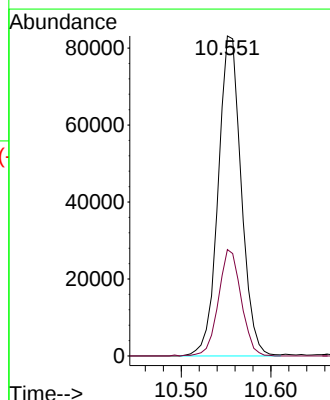
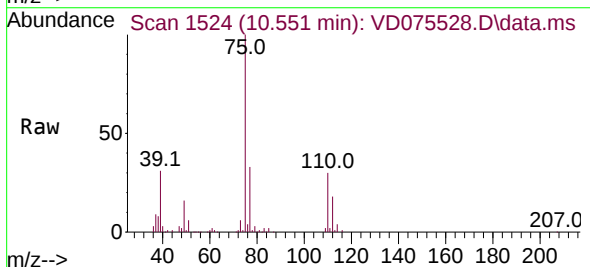
Acq: 23 Mar 2023 14:36

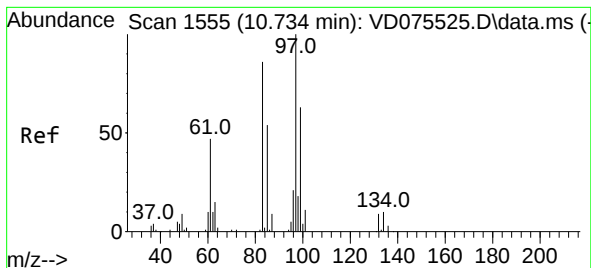
Tgt Ion: 75 Resp: 148379

Ion Ratio Lower Upper

75 100

77 33.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 25.937 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTD025113

Tgt Ion: 97 Resp: 98887

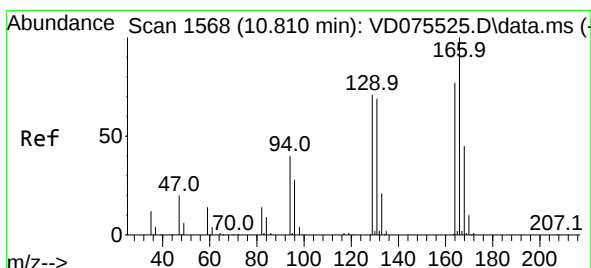
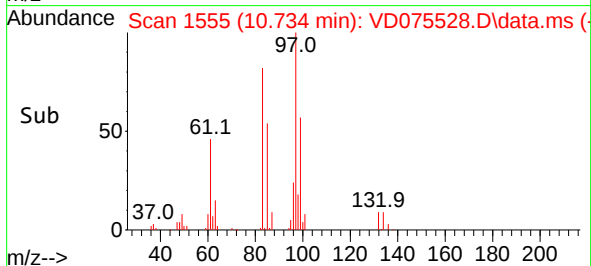
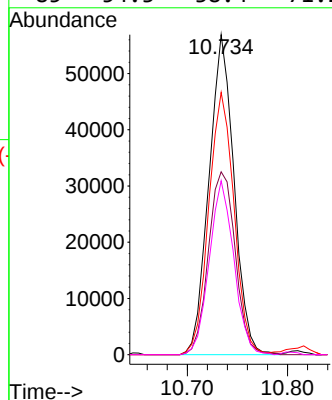
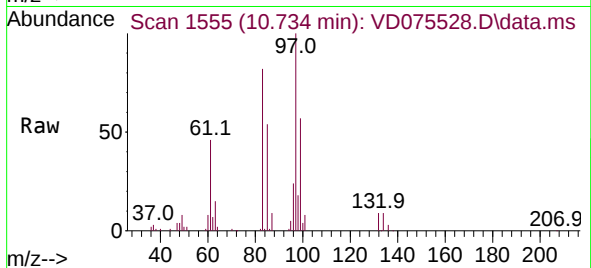
Ion Ratio Lower Upper

97 100

99 57.2 40.9 76.0

83 81.9 57.7 107.1

85 54.3 38.4 71.2



#46

Tetrachloroethene

Concen: 23.912 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Tgt Ion: 164 Resp: 92954

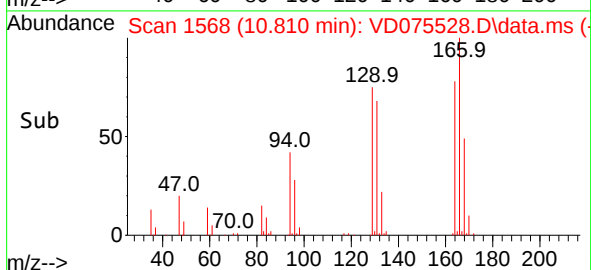
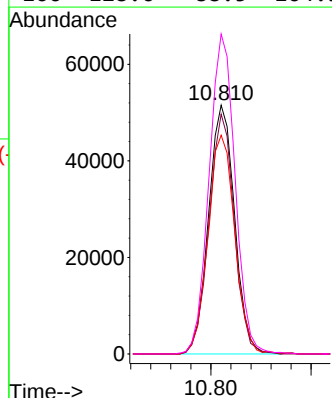
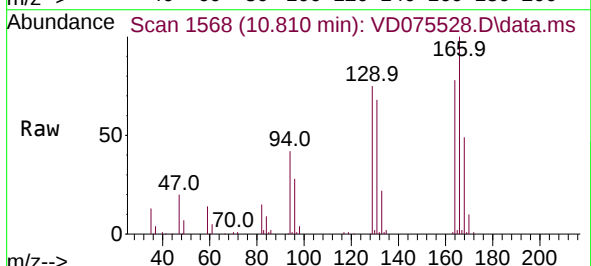
Ion Ratio Lower Upper

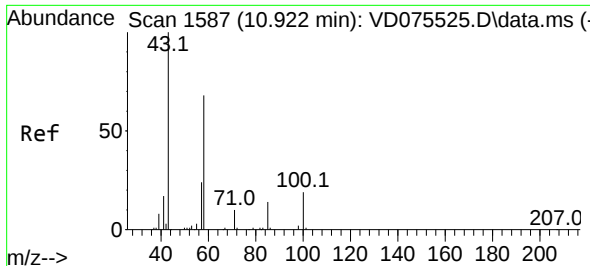
164 100

129 96.4 65.4 121.4

131 87.9 64.1 119.1

166 128.6 88.5 164.3

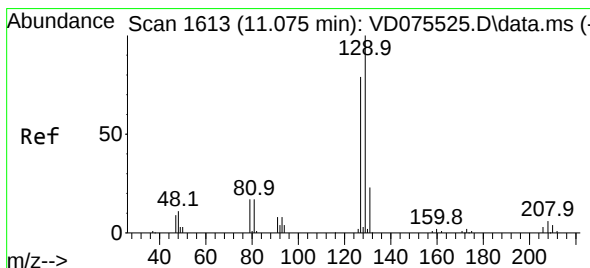
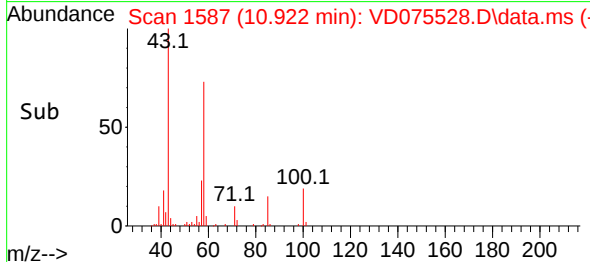
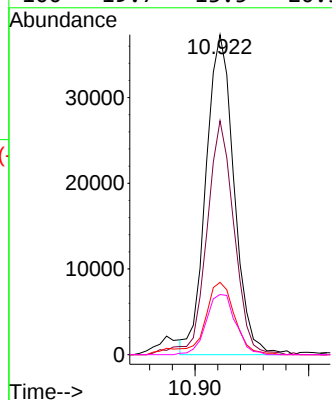
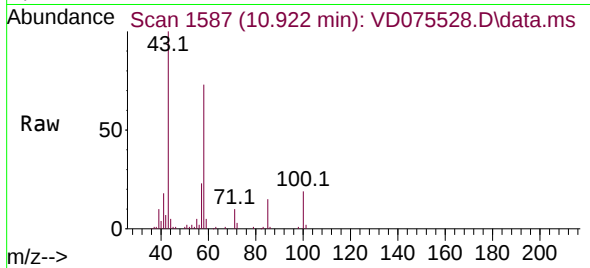




#48
2-Hexanone
Concen: 47.603 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

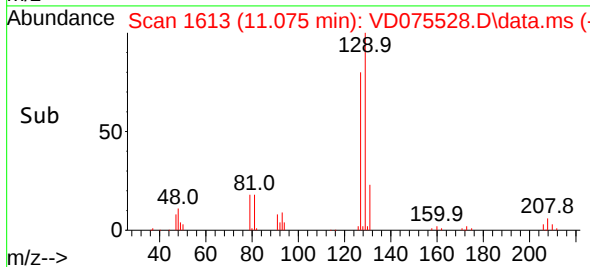
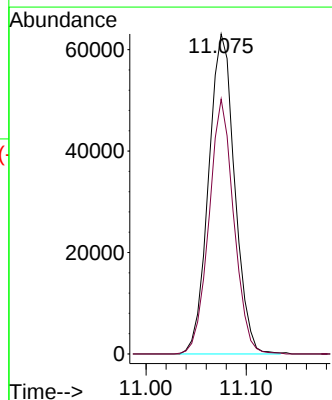
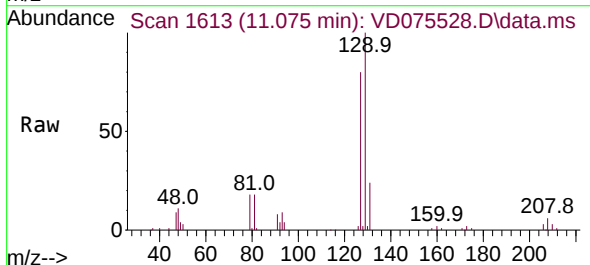
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

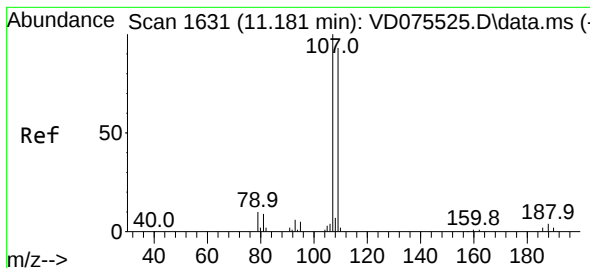
Tgt Ion:	43	Resp:	64115
Ion	Ratio	Lower	Upper
43	100		
58	69.7	53.1	79.7
57	23.2	16.7	25.1
100	19.7	13.5	20.3



#49
Dibromochloromethane
Concen: 27.379 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion:	129	Resp:	114024
Ion	Ratio	Lower	Upper
129	100		
127	79.7	53.7	99.7





#50

1,2-Dibromoethane

Concen: 25.842 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTD025113

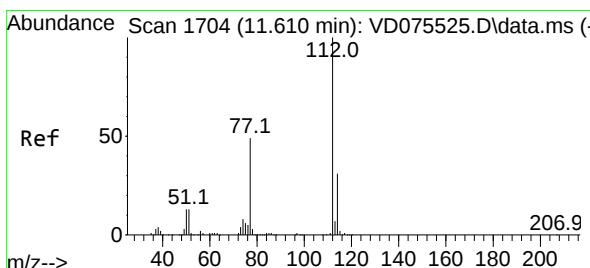
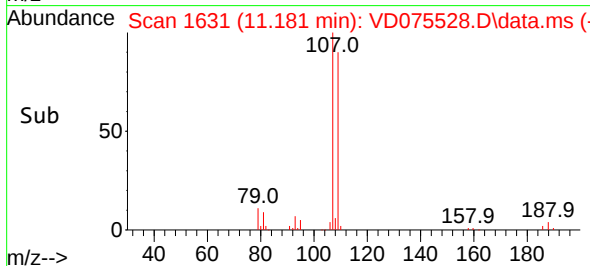
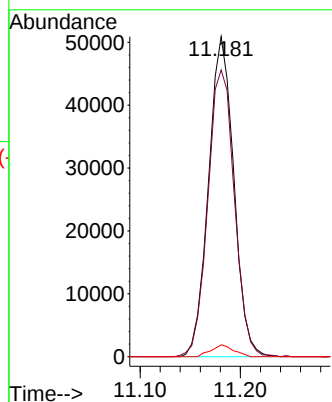
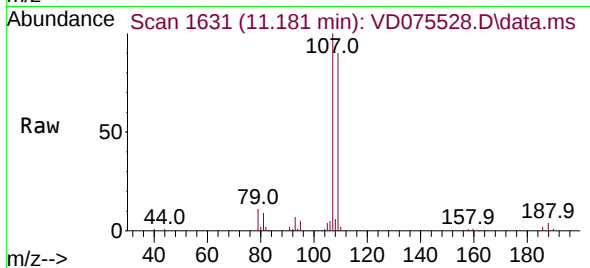
Tgt Ion:107 Resp: 89060

Ion Ratio Lower Upper

107 100

109 89.6 64.2 119.2

188 3.7 2.3 3.5#



#51

Chlorobenzene

Concen: 24.439 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

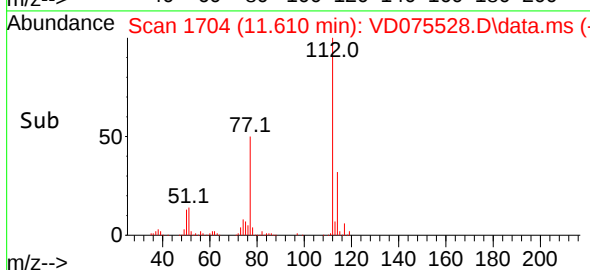
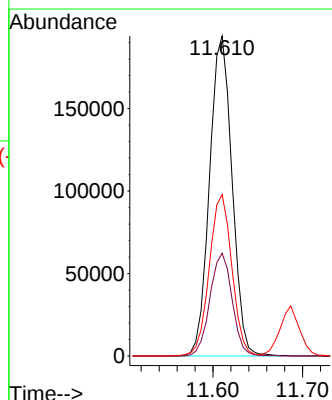
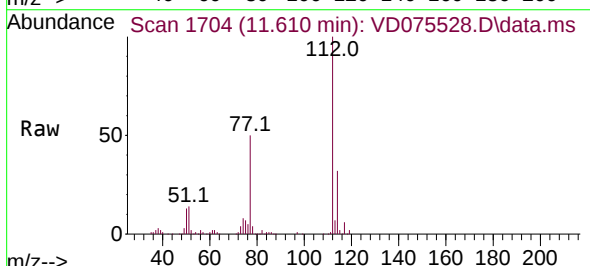
Tgt Ion:112 Resp: 337817

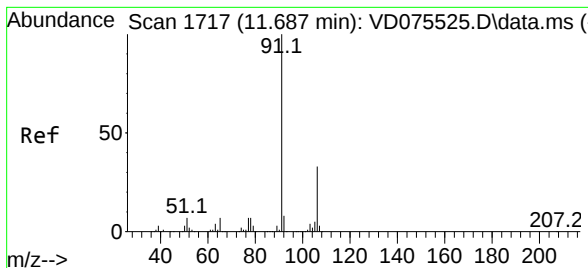
Ion Ratio Lower Upper

112 100

114 32.1 22.3 41.3

77 50.5 40.2 60.2





#52

Ethylbenzene

Concen: 24.692 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

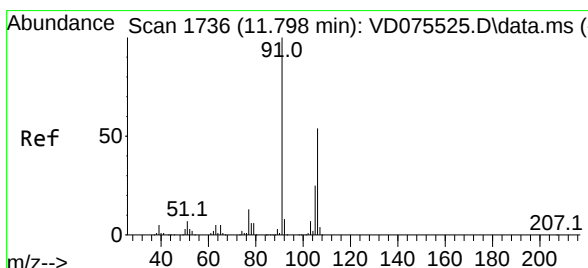
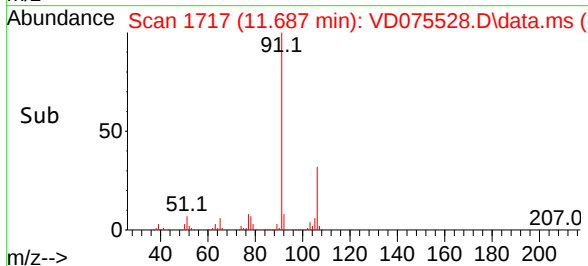
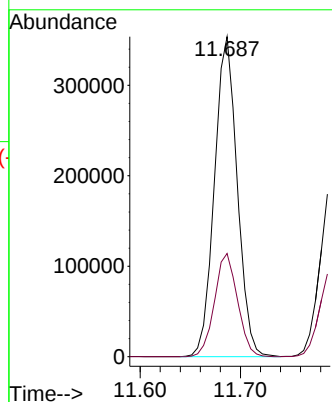
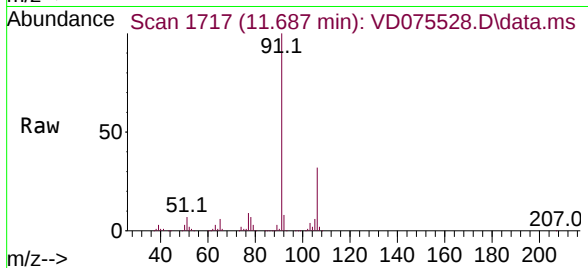
VSTD025113

Tgt Ion: 91 Resp: 558426

Ion Ratio Lower Upper

91 100

106 32.3 23.1 42.9



#53

m,p-Xylene

Concen: 24.868 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VD075528.D

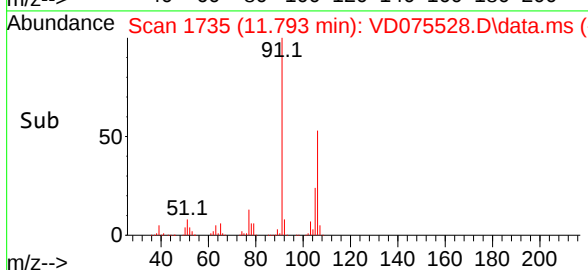
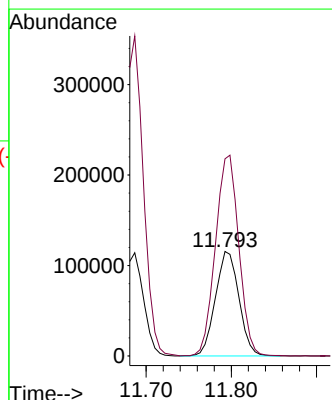
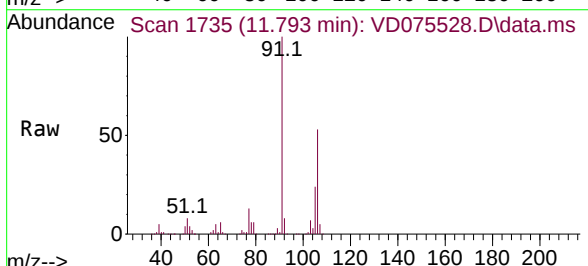
Acq: 23 Mar 2023 14:36

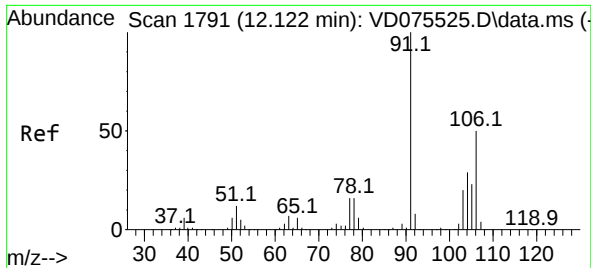
Tgt Ion: 106 Resp: 221590

Ion Ratio Lower Upper

106 100

91 188.5 134.1 249.1

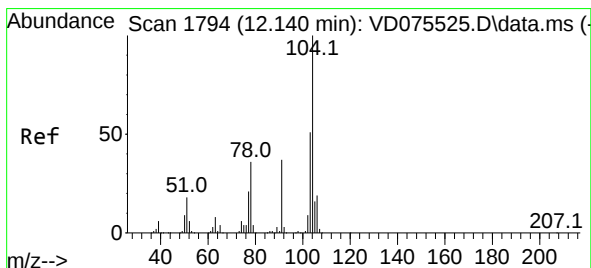
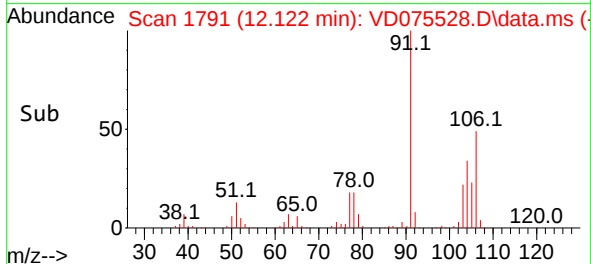
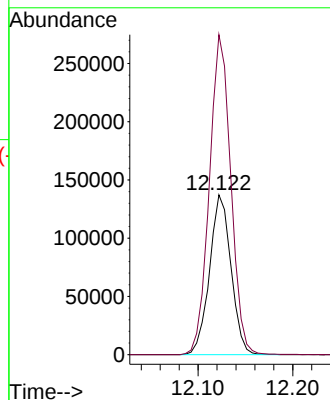
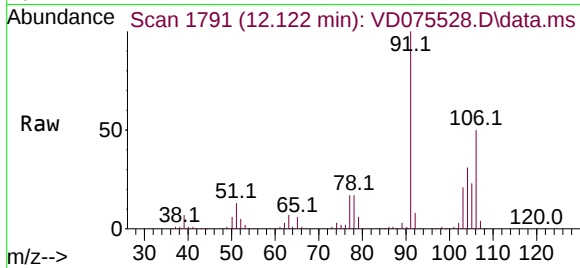




#54
o-Xylene
Concen: 25.617 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

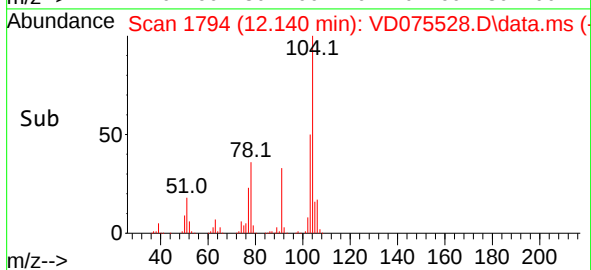
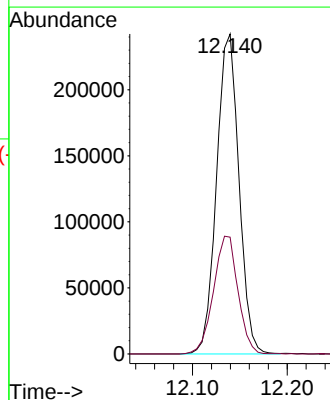
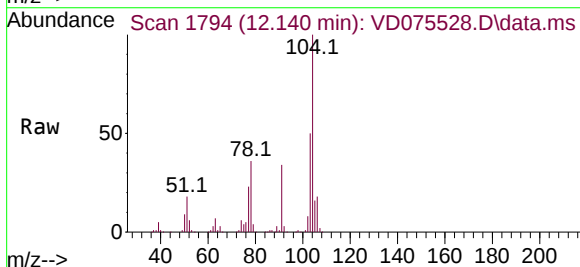
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

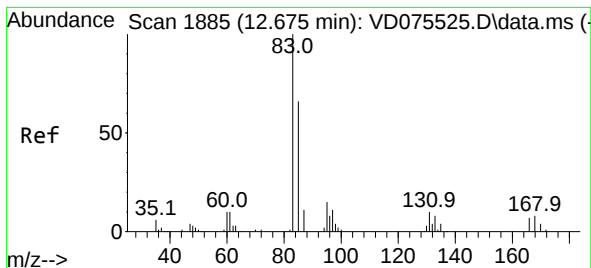
Tgt Ion:106 Resp: 215928
Ion Ratio Lower Upper
106 100
91 200.1 142.3 264.3



#55
Styrene
Concen: 26.565 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion:104 Resp: 397688
Ion Ratio Lower Upper
104 100
78 36.5 26.0 48.2

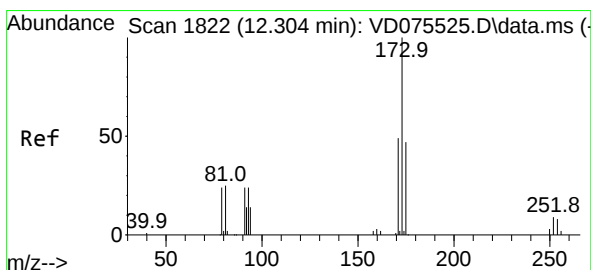
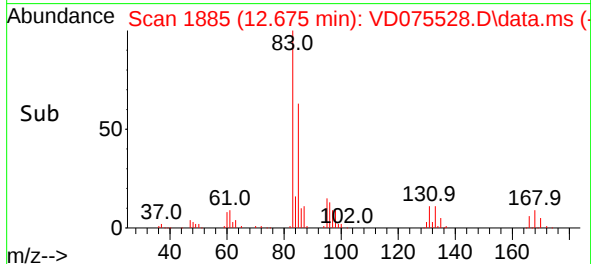
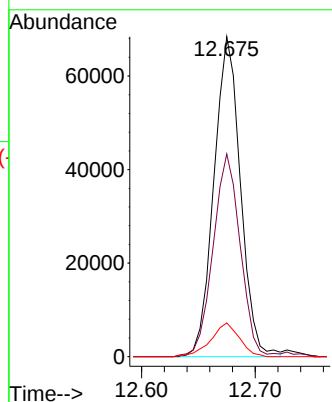
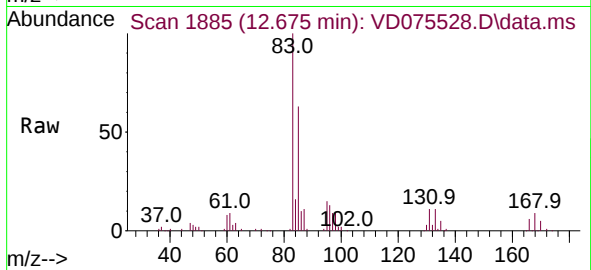




#57
1,1,2,2-Tetrachloroethane
Concen: 26.646 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

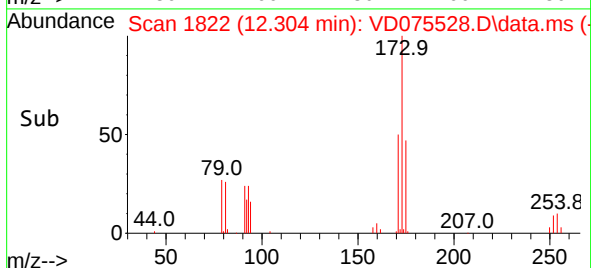
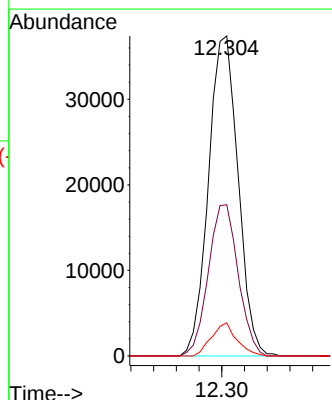
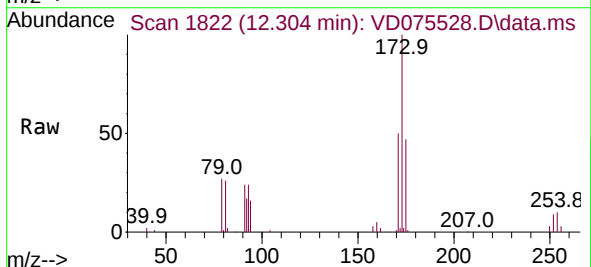
Instrument :
MSVOA_D
ClientSampleId :
VSTD025113

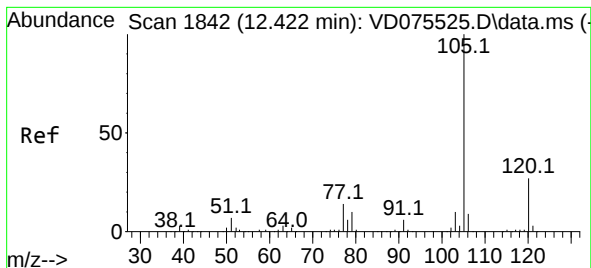
Tgt Ion: 83 Resp: 111188
Ion Ratio Lower Upper
83 100
85 63.4 46.3 85.9
131 10.5 8.1 12.1



#59
Bromoform
Concen: 26.549 ug/L
RT: 12.304 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VD075528.D
Acq: 23 Mar 2023 14:36

Tgt Ion: 173 Resp: 67764
Ion Ratio Lower Upper
173 100
175 47.6 39.3 58.9
254 8.9 7.3 10.9





#60

Isopropylbenzene

Concen: 24.382 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTD025113

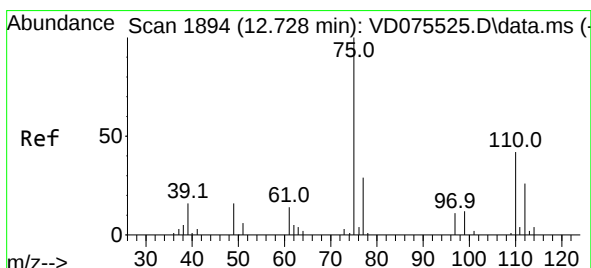
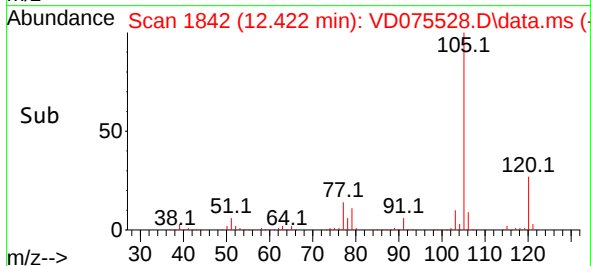
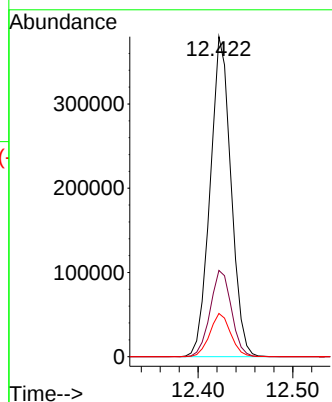
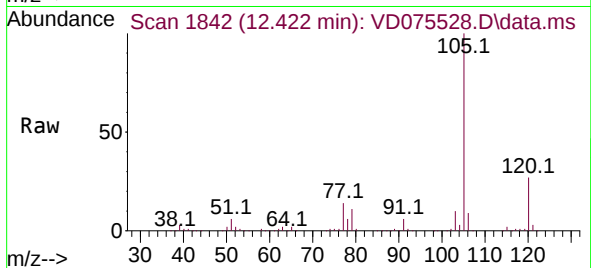
Tgt Ion:105 Resp: 580046

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

77 13.5 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 24.107 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

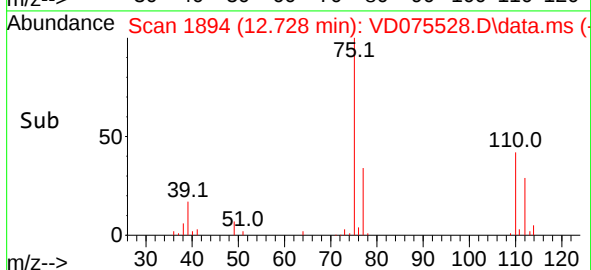
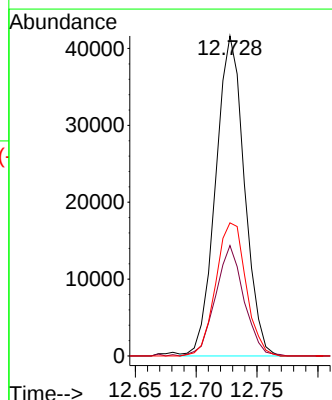
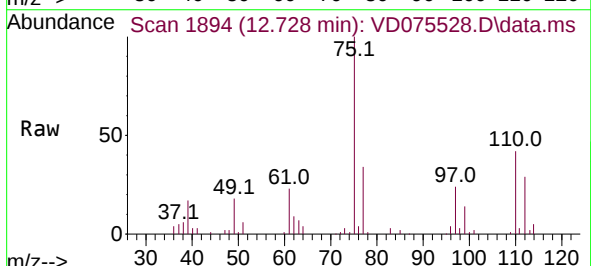
Tgt Ion: 75 Resp: 68356

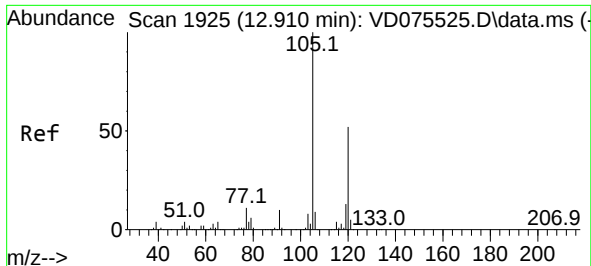
Ion Ratio Lower Upper

75 100

77 34.0 26.2 39.4

110 43.7 33.2 49.8

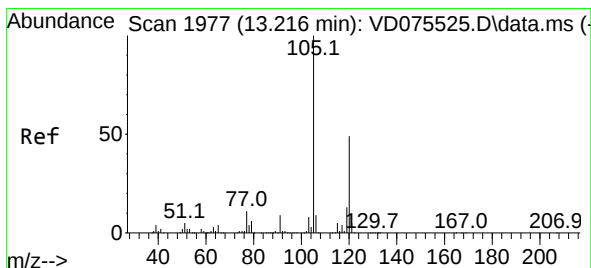
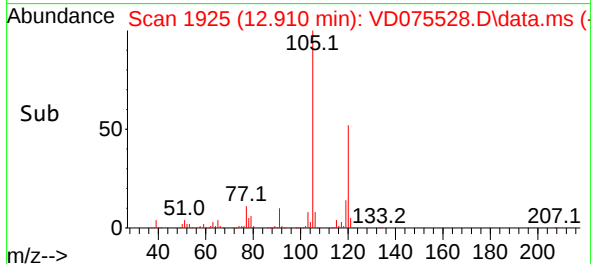
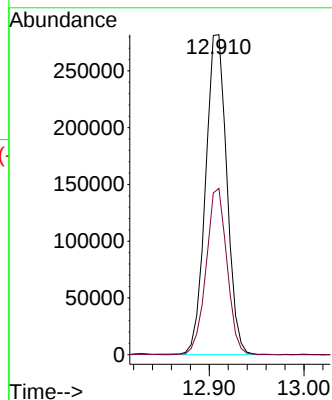
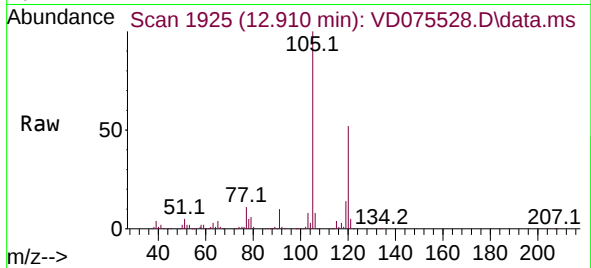




#62
 1,3,5-Trimethylbenzene
 Concen: 24.527 ug/L
 RT: 12.910 min Scan# 1925
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

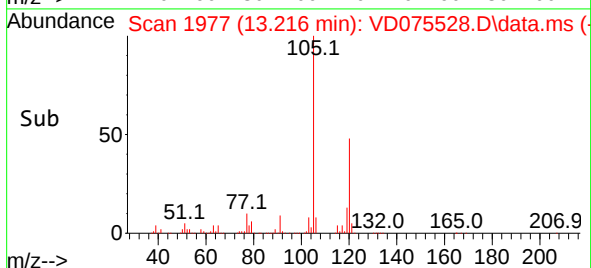
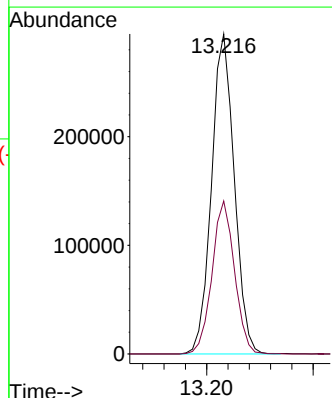
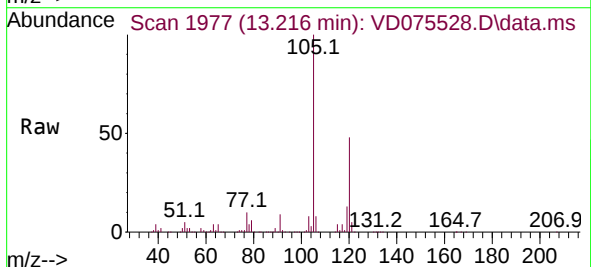
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025113

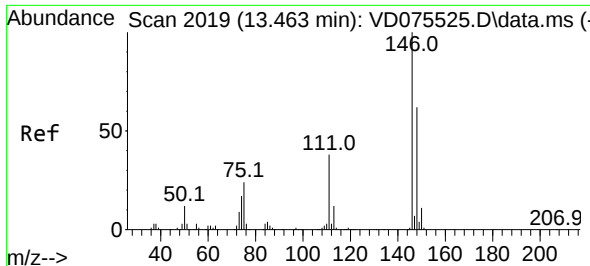
Tgt Ion:105 Resp: 438020
 Ion Ratio Lower Upper
 105 100
 120 51.0 40.6 60.8



#63
 1,2,4-Trimethylbenzene
 Concen: 25.002 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

Tgt Ion:105 Resp: 436591
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.2 57.2

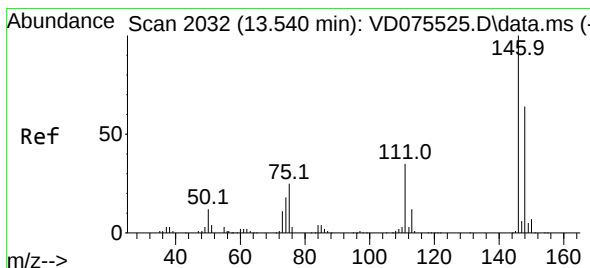
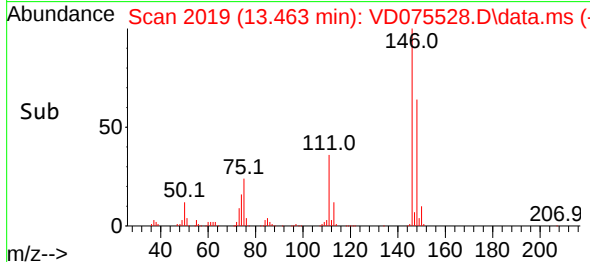
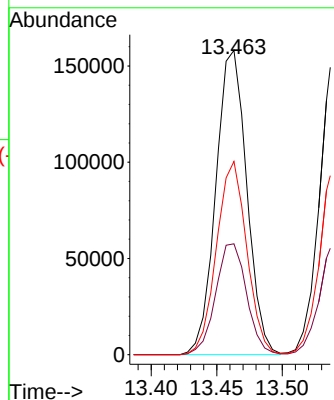
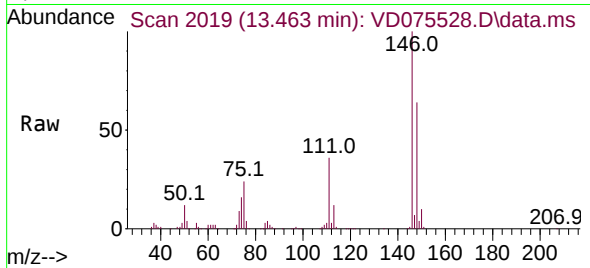




#64
 1,3-Dichlorobenzene
 Concen: 24.654 ug/L
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

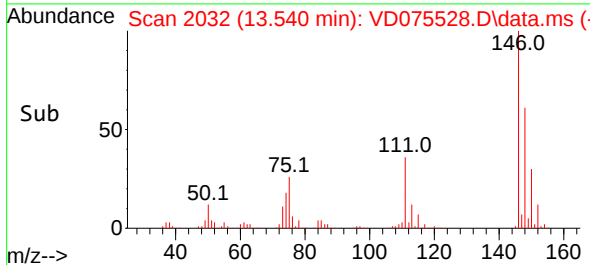
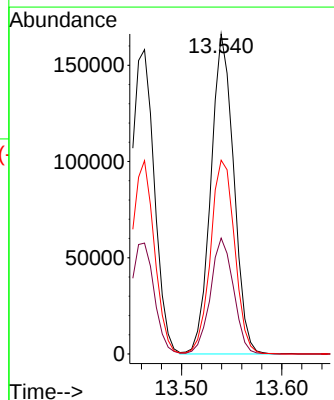
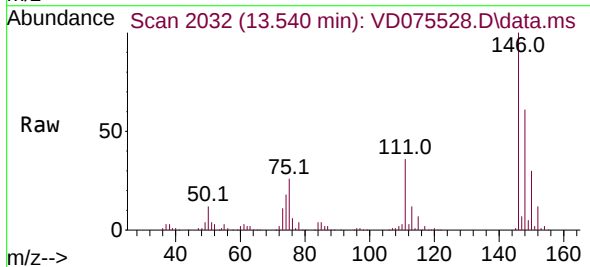
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025113

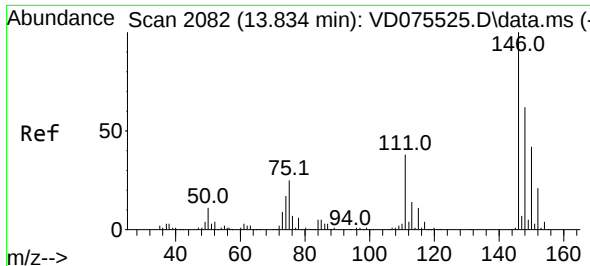
Tgt Ion:146 Resp: 259449
 Ion Ratio Lower Upper
 146 100
 111 36.4 26.0 48.2
 148 63.5 42.4 78.6



#65
 1,4-Dichlorobenzene
 Concen: 24.394 ug/L
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

Tgt Ion:146 Resp: 264068
 Ion Ratio Lower Upper
 146 100
 111 36.2 24.8 46.1
 148 60.5 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 24.567 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTD025113

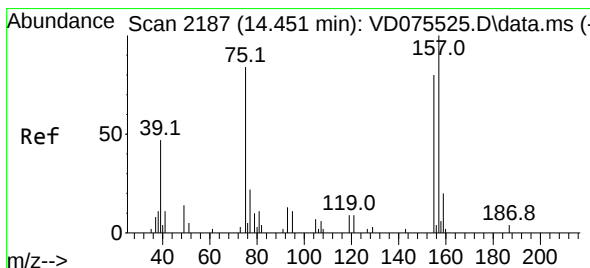
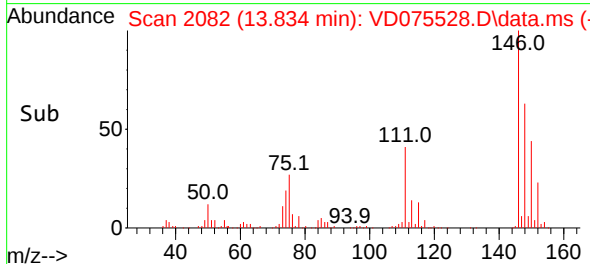
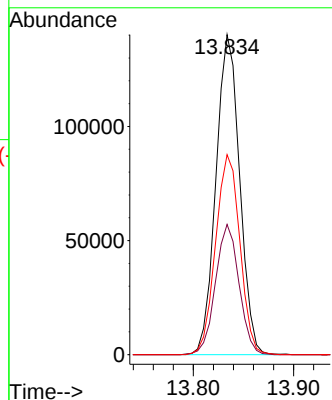
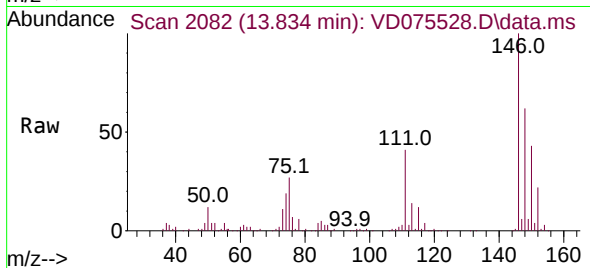
Tgt Ion:146 Resp: 230358

Ion Ratio Lower Upper

146 100

111 40.7 31.0 46.6

148 62.5 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 25.634 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

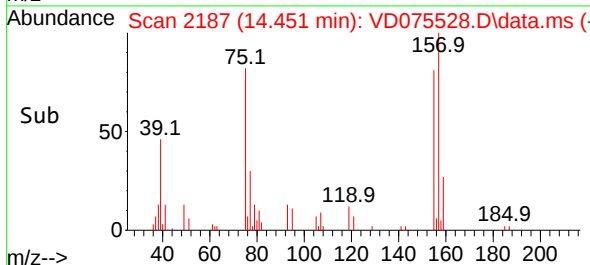
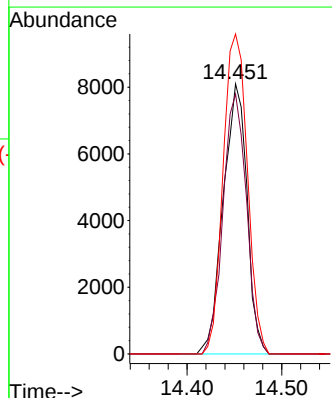
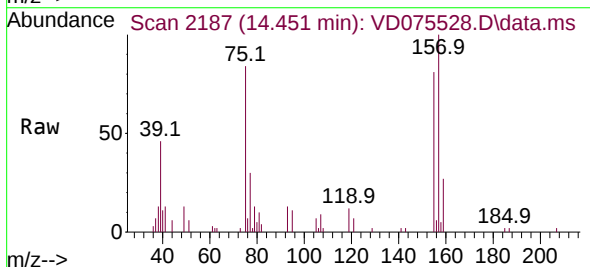
Tgt Ion: 75 Resp: 14115

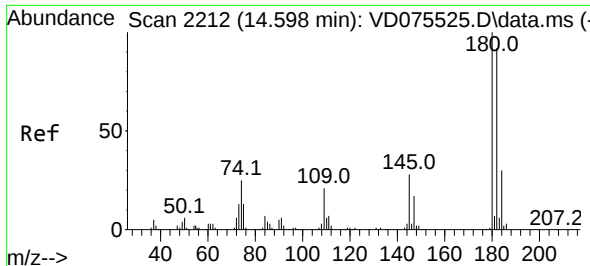
Ion Ratio Lower Upper

75 100

155 96.3 71.3 106.9

157 118.5 85.8 128.6

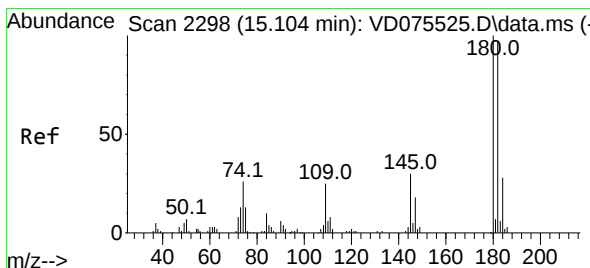
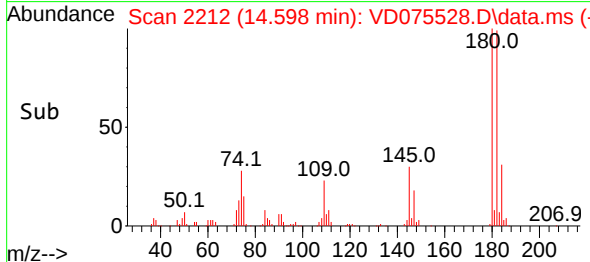
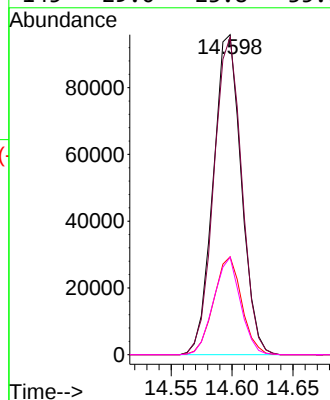
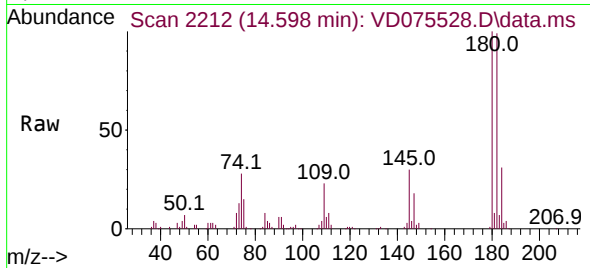




#69
 1,3,5-Trichlorobenzene
 Concen: 23.346 ug/L
 RT: 14.598 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

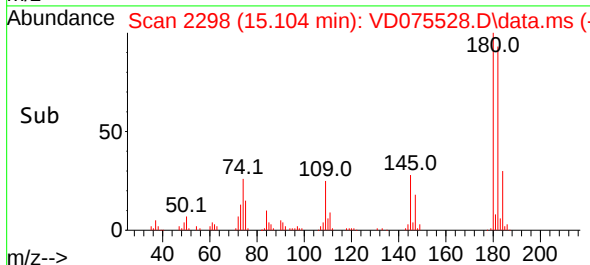
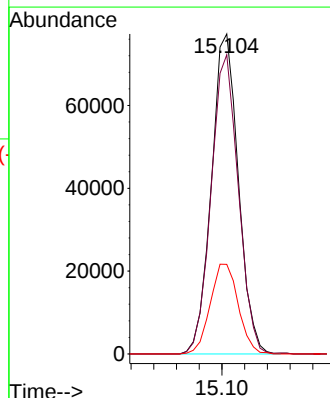
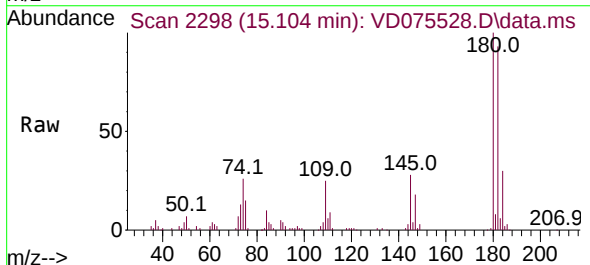
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025113

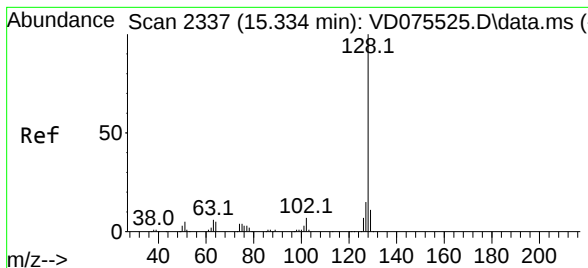
Tgt Ion:180 Resp: 154068
 Ion Ratio Lower Upper
 180 100
 182 98.3 76.5 114.7
 184 30.4 23.6 35.4
 145 29.0 23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 24.022 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD075528.D
 Acq: 23 Mar 2023 14:36

Tgt Ion:180 Resp: 127459
 Ion Ratio Lower Upper
 180 100
 182 94.1 74.3 111.5
 145 29.2 23.0 34.6





#71

Naphthalene

Concen: 24.510 ug/L

RT: 15.339 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Instrument :

MSVOA_D

ClientSampleId :

VSTD025113

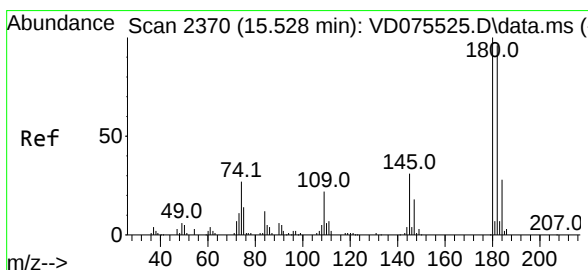
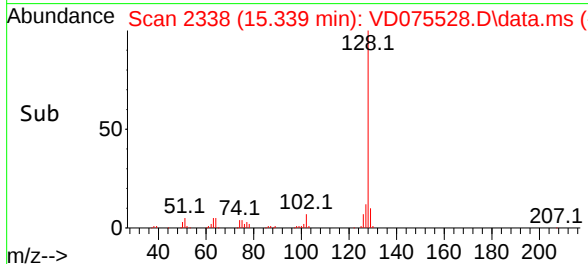
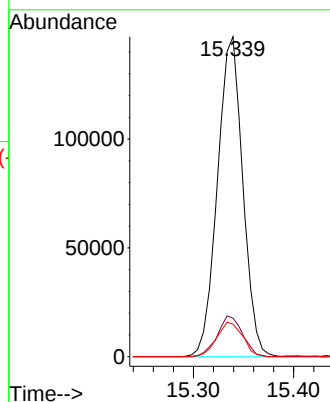
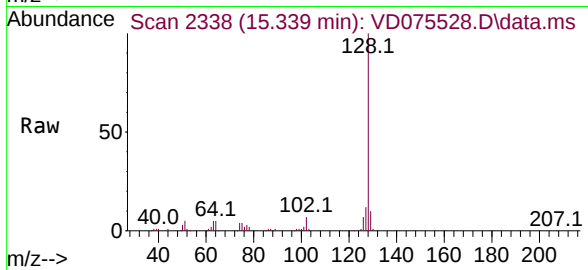
Tgt Ion:128 Resp: 257939

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 25.302 ug/L

RT: 15.528 min Scan# 2370

Delta R.T. 0.000 min

Lab File: VD075528.D

Acq: 23 Mar 2023 14:36

Tgt Ion:180 Resp: 118339

Ion Ratio Lower Upper

180 100

182 93.1 75.3 112.9

145 30.4 25.1 37.7

