

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050523\
 Data File : VD076028.D
 Acq On : 05 May 2023 16:43
 Operator : KP/SY
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025151

Quant Time: May 06 00:24:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 06 00:21:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	343393	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	316496	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	164554	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	169341	22.479	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.920%
7) Chloroethane-d5	2.799	69	145244	22.315	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.240%
11) 1,1-Dichloroethene-d2	3.911	65	39155	22.545	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.200%
21) 2-Butanone-d5	6.987	46	41522	63.492	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.980%
24) Chloroform-d	7.563	84	214382	24.966	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.880%
26) 1,2-Dichloroethane-d4	8.228	65	93100	25.388	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.560%
32) Benzene-d6	8.199	84	436791	23.678	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.720%
36) 1,2-Dichloropropane-d6	9.210	67	127682	25.007	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.040%
41) Toluene-d8	10.269	98	405883	23.502	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.000%
43) trans-1,3-Dichloroprop...	10.522	79	50774	24.058	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.240%
47) 2-Hexanone-d5	10.875	63	36883	59.994	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.980%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	110261	28.221	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.880%
66) 1,2-Dichlorobenzene-d4	13.816	152	132478	22.761	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	142044	30.006	ug/L	98
3) Chloromethane	2.146	50	205996	31.215	ug/L	97
5) Vinyl chloride	2.281	62	261556	30.326	ug/L	97
6) Bromomethane	2.693	94	137392	23.707	ug/L	98
8) Chloroethane	2.834	64	160116	28.705	ug/L	97
9) Trichlorofluoromethane	3.175	101	202055	29.157	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	146509	31.469	ug/L	96
12) 1,1-Dichloroethene	3.940	96	130347	28.869	ug/L #	84
13) Acetone	4.022	43	37032	66.170	ug/L	93
14) Carbon disulfide	4.269	76	431232	27.344	ug/L	100
15) Methyl Acetate	4.569	43	39796	32.811	ug/L #	72
16) Methylene chloride	4.805	84	157558	22.618	ug/L	95
17) trans-1,2-Dichloroethene	5.310	96	140769	27.805	ug/L	93
18) Methyl tert-butyl Ether	5.316	73	235090	28.948	ug/L	98
19) 1,1-Dichloroethane	6.105	63	225594	30.417	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	146105	27.292	ug/L	95
22) 2-Butanone	7.081	43	51200	70.175	ug/L	93
23) Bromochloromethane	7.422	128	70954	28.579	ug/L #	84
25) Chloroform	7.593	83	240866	28.977	ug/L	99

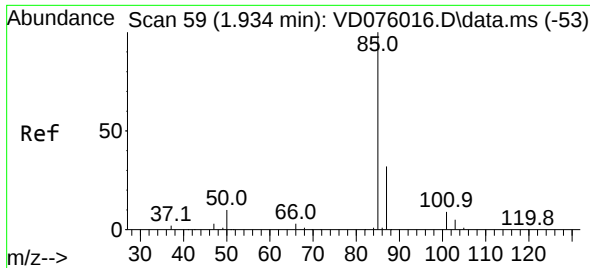
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 06 00:21:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	131094	30.554	ug/L	97
29) Cyclohexane	7.881	56	175130	32.323	ug/L	92
30) 1,1,1-Trichloroethane	7.787	97	193366	28.876	ug/L	98
31) Carbon tetrachloride	7.993	117	159667	29.720	ug/L	99
33) Benzene	8.246	78	552405	28.855	ug/L	100
34) Trichloroethene	9.028	95	137023	27.677	ug/L	98
35) Methylcyclohexane	9.275	83	233167	30.547	ug/L	97
37) 1,2-Dichloropropane	9.304	63	137552	31.279	ug/L	100
38) Bromodichloromethane	9.587	83	170758	28.798	ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	197522	28.242	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	112836	70.375	ug/L	97
42) Toluene	10.334	91	618269	29.843	ug/L	99
44) trans-1,3-Dichloropropene	10.557	75	165512	29.459	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	109103	29.162	ug/L	97
46) Tetrachloroethene	10.810	164	118038	29.068	ug/L	93
48) 2-Hexanone	10.922	43	84795	75.018	ug/L	90
49) Dibromochloromethane	11.075	129	117684	28.894	ug/L	91
50) 1,2-Dibromoethane	11.181	107	94842	28.118	ug/L	99
51) Chlorobenzene	11.604	112	381949	28.181	ug/L	99
52) Ethylbenzene	11.687	91	622433	29.299	ug/L	99
53) m,p-Xylene	11.792	106	251015	29.673	ug/L	99
54) o-Xylene	12.122	106	236006	29.373	ug/L	95
55) Styrene	12.134	104	423615	30.292	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.675	83	117168	30.780	ug/L	97
59) Bromoform	12.298	173	69499	27.558	ug/L	98
60) Isopropylbenzene	12.422	105	607460	27.840	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	73779	28.541	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	459355	28.233	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	444423	28.336	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	290809	27.855	ug/L	96
65) 1,4-Dichlorobenzene	13.539	146	296381	27.050	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	257730	27.644	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.445	75	15204	29.421	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.592	180	176938	25.286	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	144882	24.984	ug/L	99
71) Naphthalene	15.333	128	272574	25.686	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	134018	25.891	ug/L	99

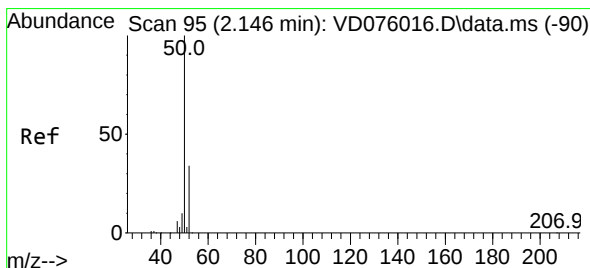
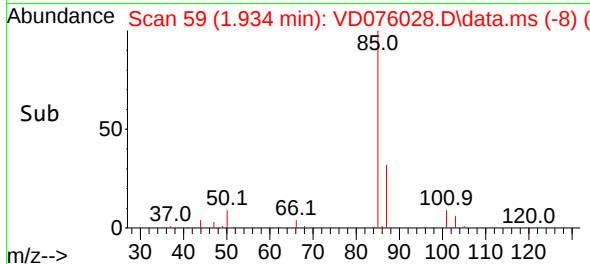
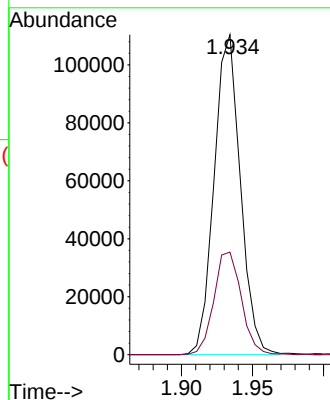
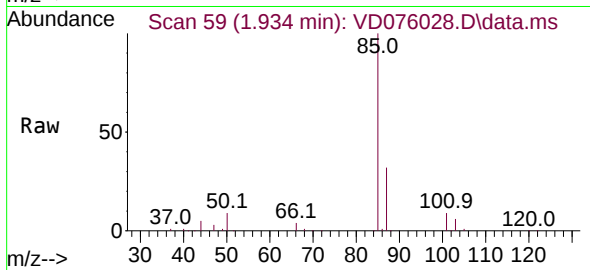
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#2
 Dichlorodifluoromethane
 Concen: 30.006 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD076028.D
 Acq: 05 May 2023 16:43

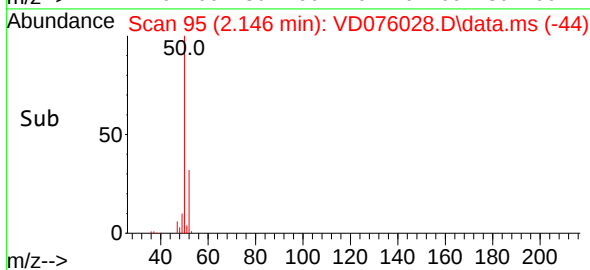
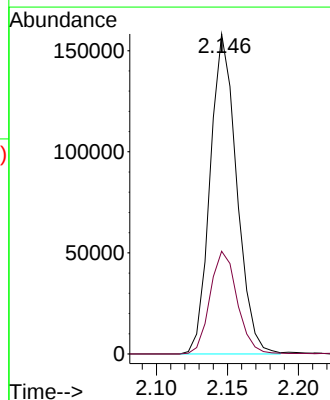
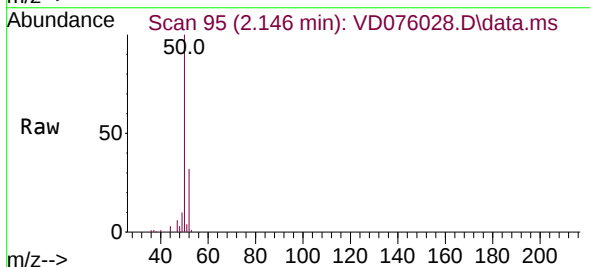
Instrument :
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 ClientSampleId :
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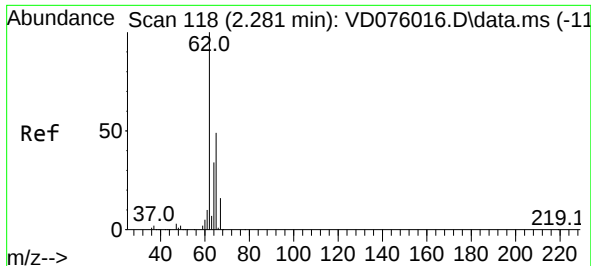
Tgt Ion: 85 Resp: 142044
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.8 38.8



#3
 Chloromethane
 Concen: 31.215 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD076028.D
 Acq: 05 May 2023 16:43

Tgt Ion: 50 Resp: 205996
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.7 44.1

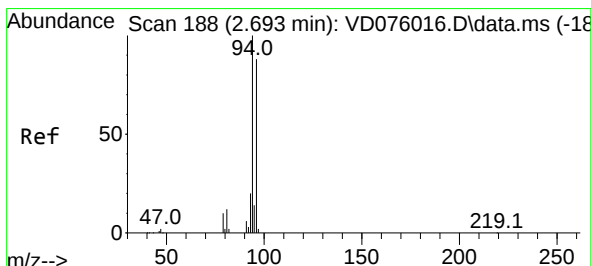
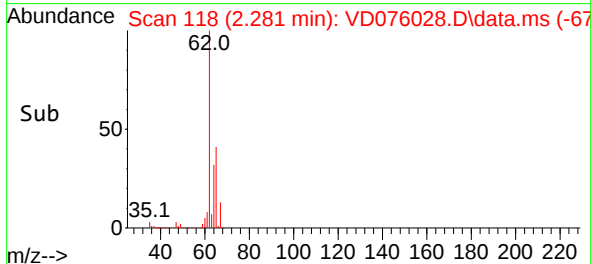
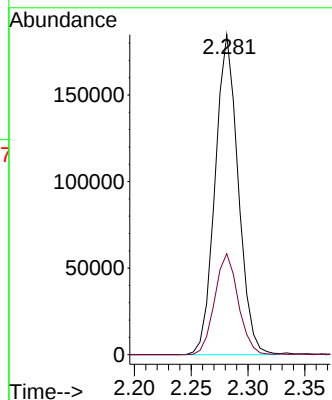
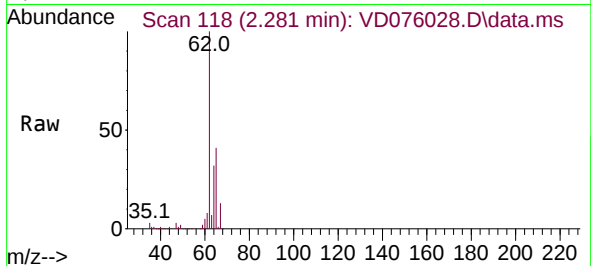




#5
 Vinyl chloride
 Concen: 30.326 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD076028.D
 Acq: 05 May 2023 16:43

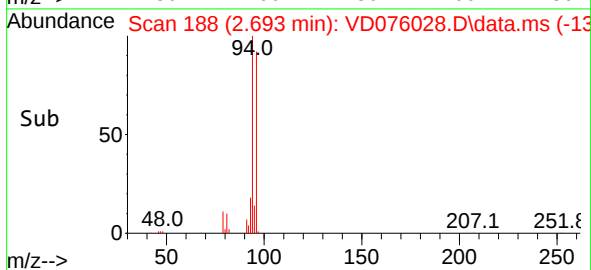
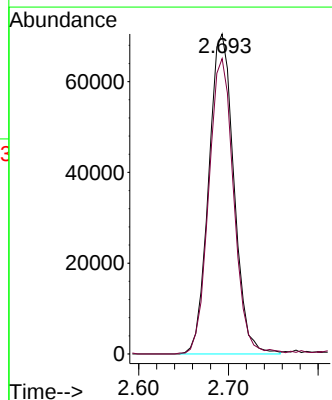
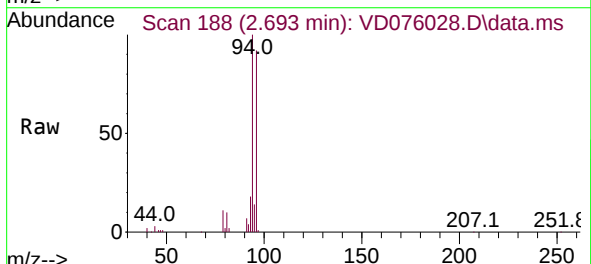
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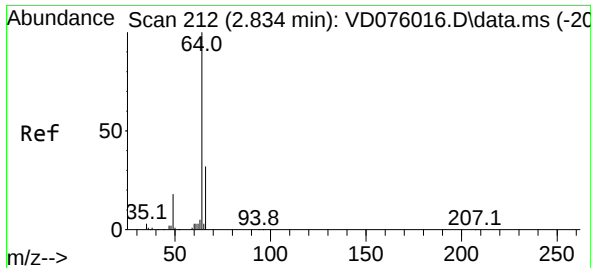
Tgt Ion: 62 Resp: 261556
 Ion Ratio Lower Upper
 62 100
 64 31.6 23.2 43.0



#6
 Bromomethane
 Concen: 23.707 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD076028.D
 Acq: 05 May 2023 16:43

Tgt Ion: 94 Resp: 137392
 Ion Ratio Lower Upper
 94 100
 96 92.3 65.7 121.9

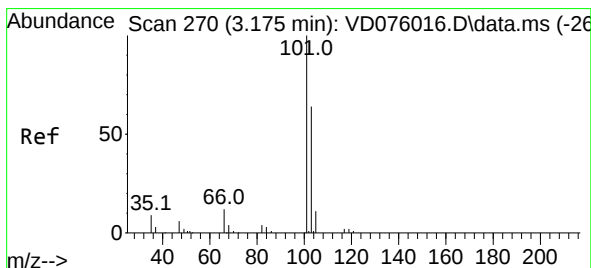
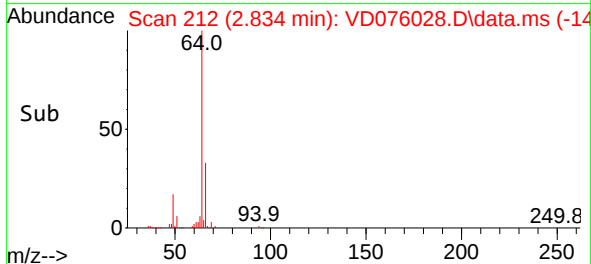
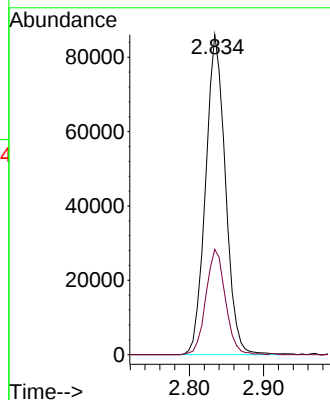
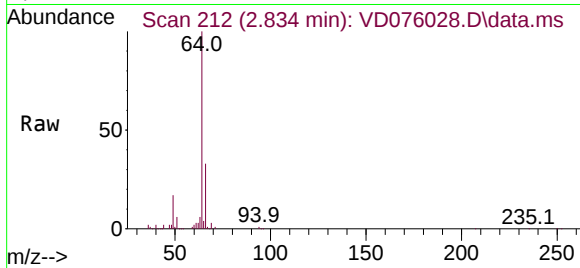




#8
Chloroethane
Concen: 28.705 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

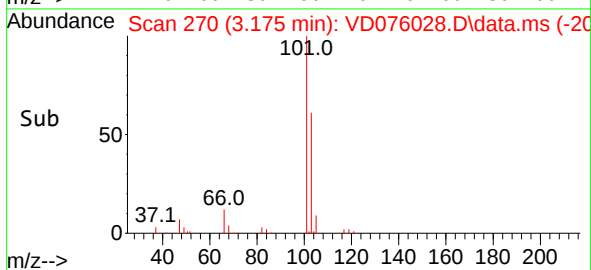
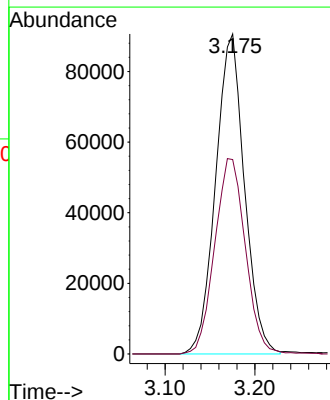
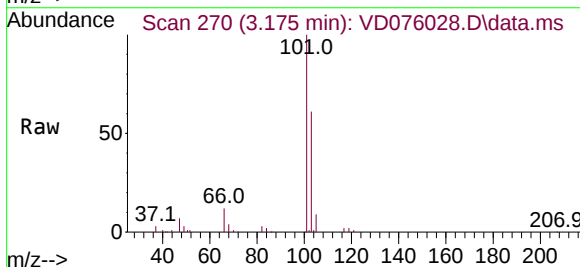
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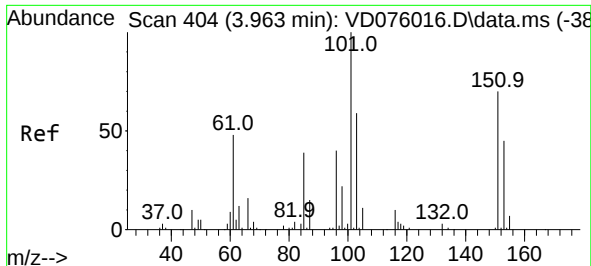
Tgt Ion: 64 Resp: 160116
Ion Ratio Lower Upper
64 100
66 32.9 21.8 40.4



#9
Trichlorofluoromethane
Concen: 29.157 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion:101 Resp: 202055
Ion Ratio Lower Upper
101 100
103 64.8 52.2 78.4

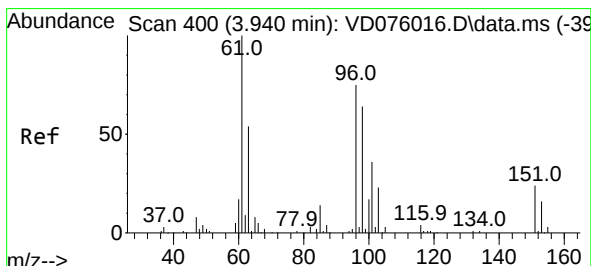
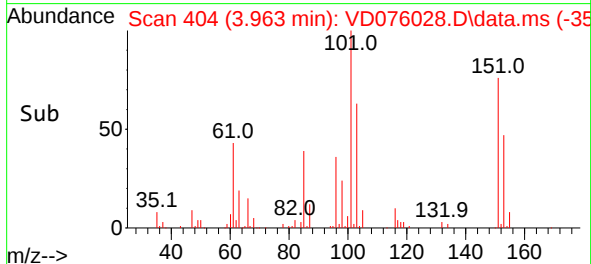
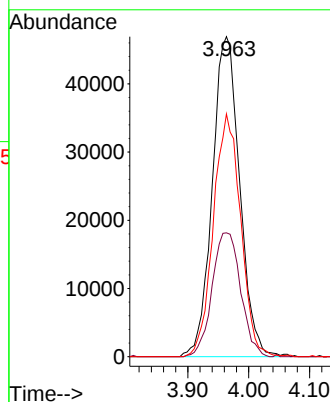
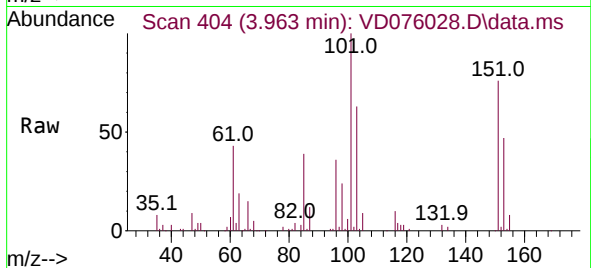




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 31.469 ug/L
 RT: 3.963 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VD076028.D
 Acq: 05 May 2023 16:43

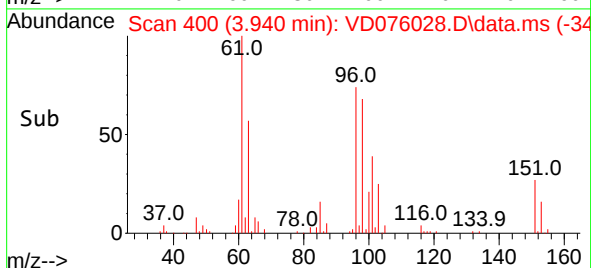
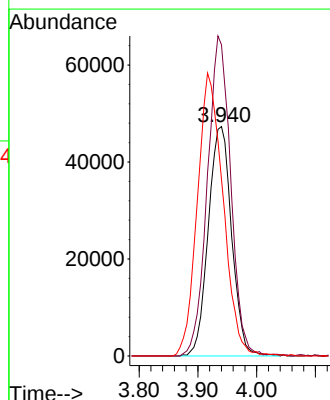
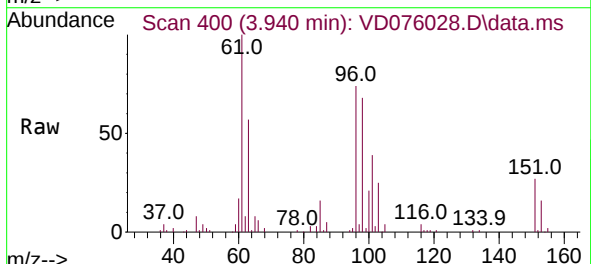
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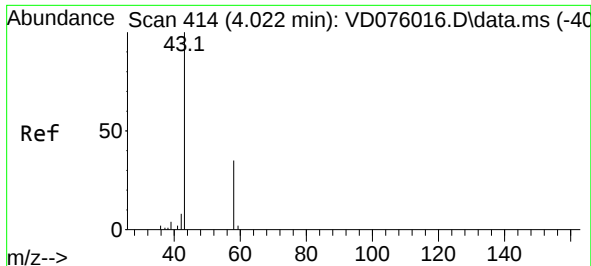
Tgt Ion:101 Resp: 146509
 Ion Ratio Lower Upper
 101 100
 85 40.3 32.9 49.3
 151 75.6 57.2 85.8



#12
 1,1-Dichloroethene
 Concen: 28.869 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD076028.D
 Acq: 05 May 2023 16:43

Tgt Ion: 96 Resp: 130347
 Ion Ratio Lower Upper
 96 100
 61 135.7 92.6 172.0
 63 77.0 77.4 143.8





#13

Acetone

Concen: 66.170 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

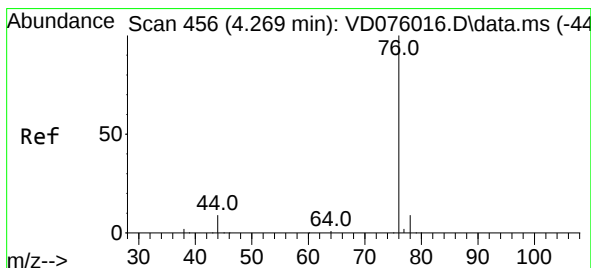
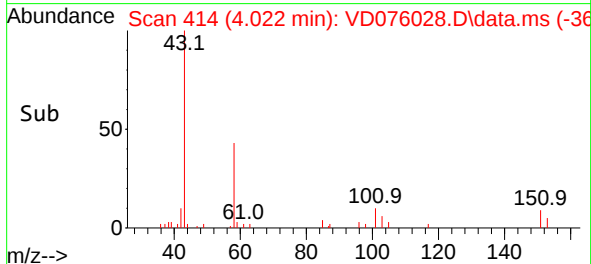
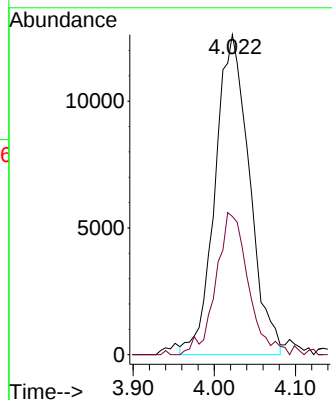
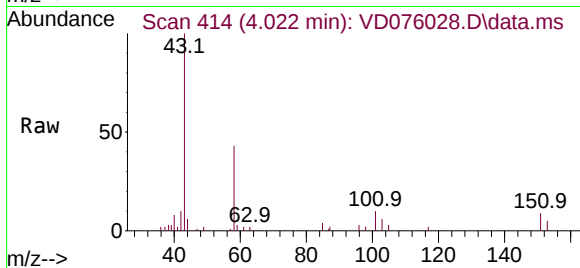
VSTD025151

Tgt Ion: 43 Resp: 37032

Ion Ratio Lower Upper

43 100

58 39.3 0.0 87.4



#14

Carbon disulfide

Concen: 27.344 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD076028.D

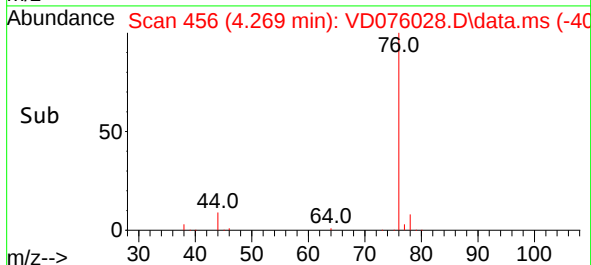
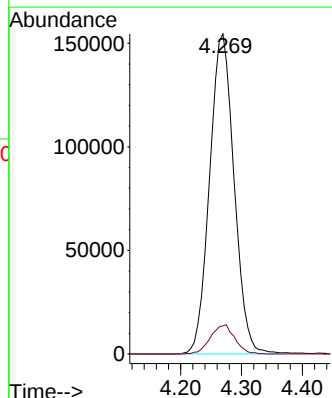
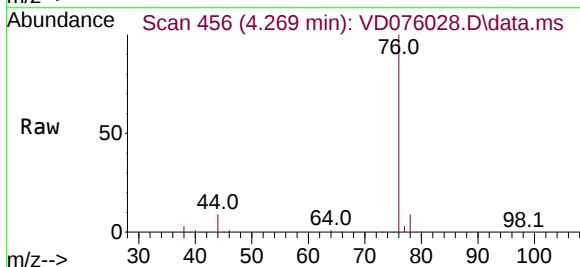
Acq: 05 May 2023 16:43

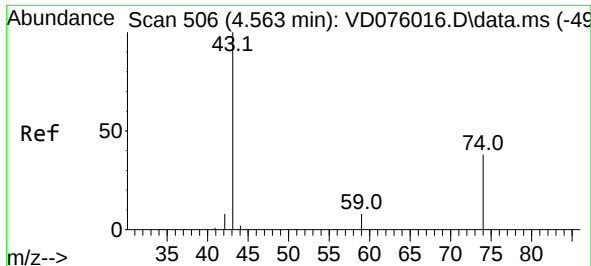
Tgt Ion: 76 Resp: 431232

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

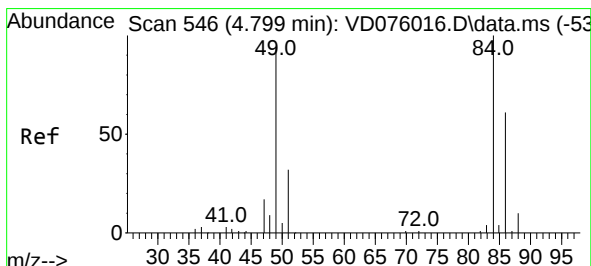
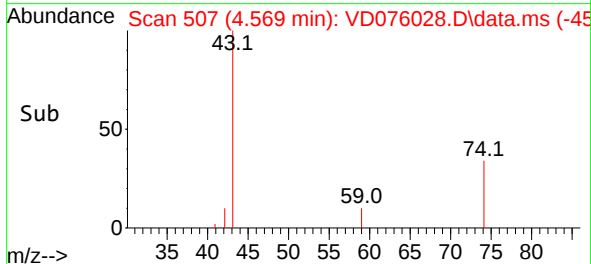
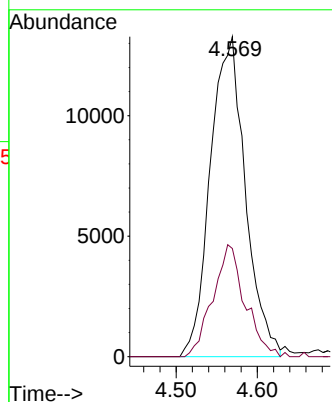
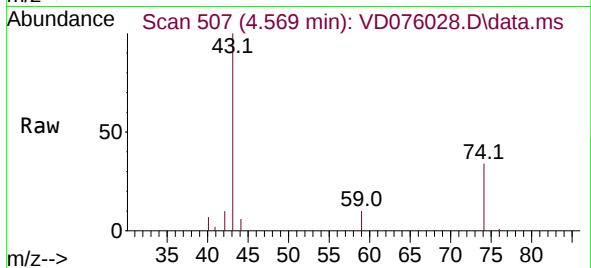




#15
Methyl Acetate
Concen: 32.811 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

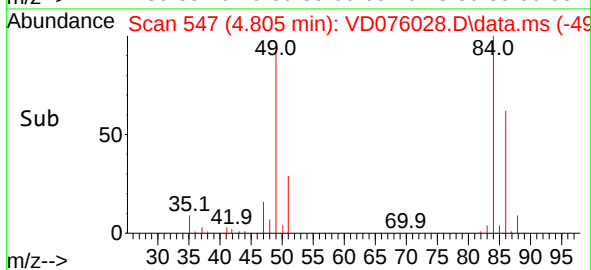
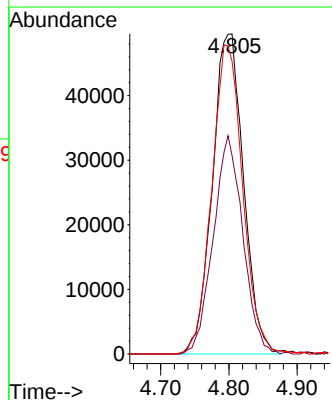
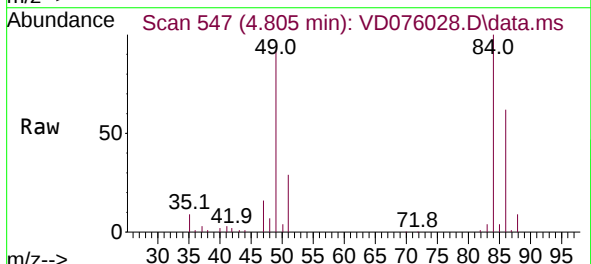
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

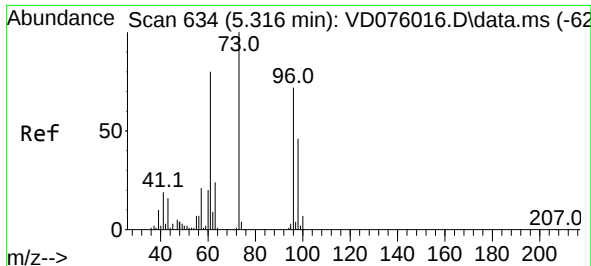
Tgt Ion: 43 Resp: 39796
Ion Ratio Lower Upper
43 100
74 27.7 12.8 19.2#



#16
Methylene chloride
Concen: 22.618 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 84 Resp: 157558
Ion Ratio Lower Upper
84 100
86 62.0 45.8 85.2
49 91.5 60.8 112.8

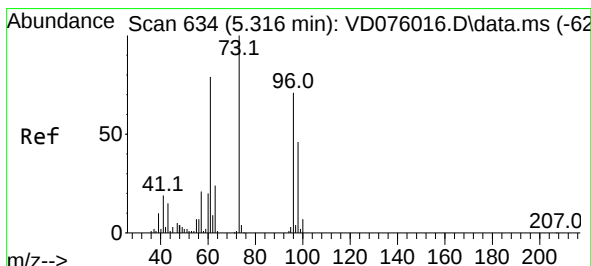
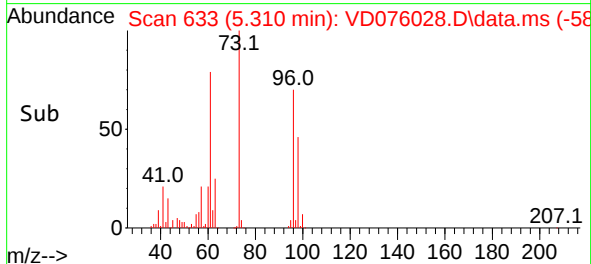
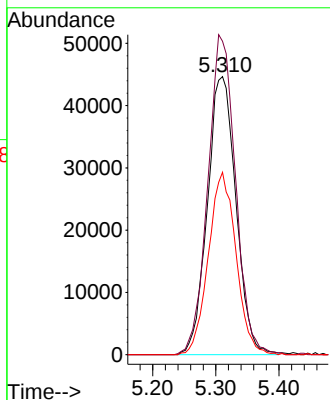
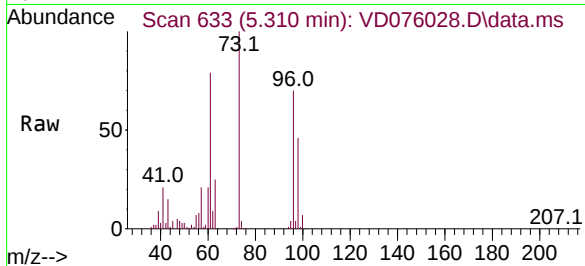




#17
trans-1,2-Dichloroethene
Concen: 27.805 ug/L
RT: 5.310 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

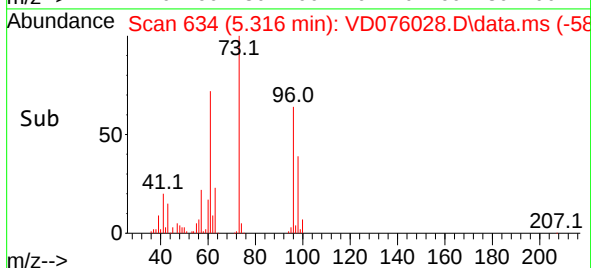
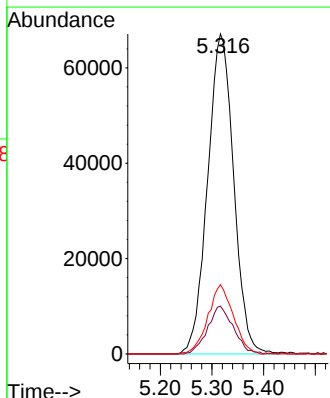
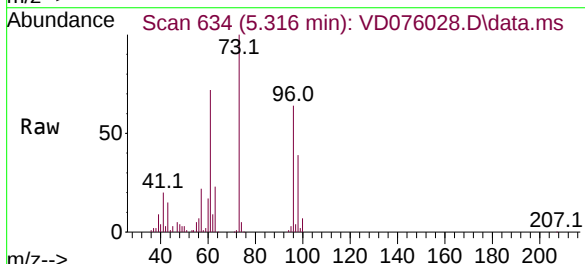
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

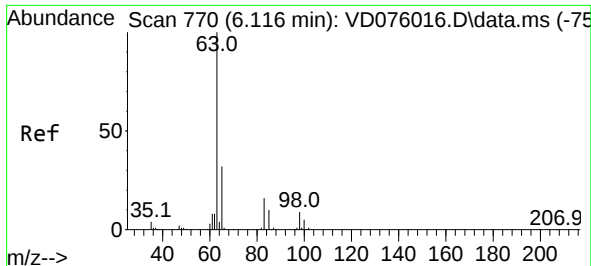
Tgt Ion: 96 Resp: 140769
Ion Ratio Lower Upper
96 100
61 112.7 72.9 135.5
98 65.6 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 28.948 ug/L
RT: 5.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 73 Resp: 235090
Ion Ratio Lower Upper
73 100
43 14.7 11.3 16.9
57 21.1 16.3 24.5

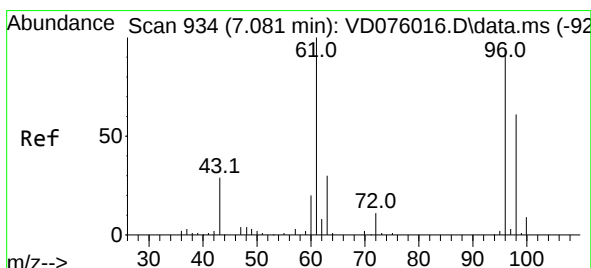
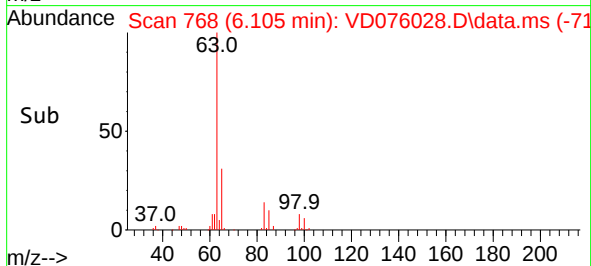
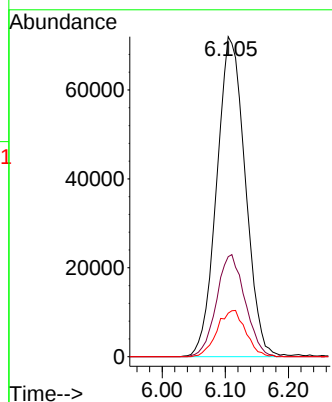
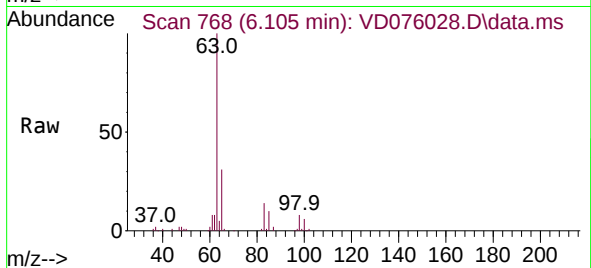




#19
1,1-Dichloroethane
Concen: 30.417 ug/L
RT: 6.105 min Scan# 770
Delta R.T. -0.012 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

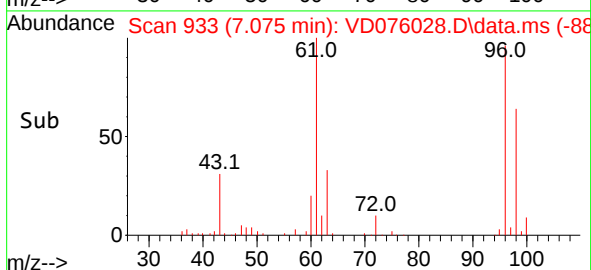
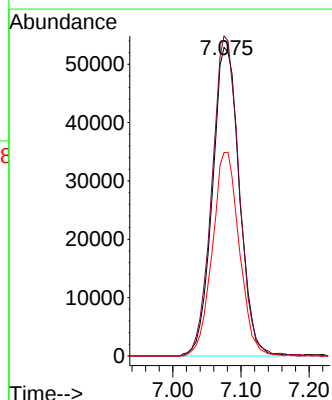
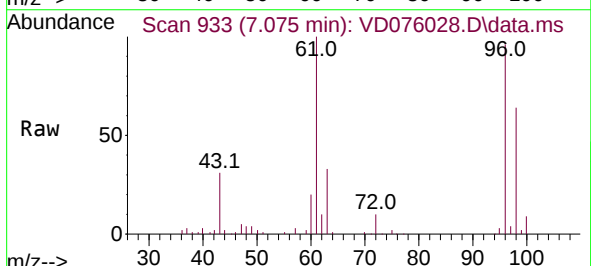
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

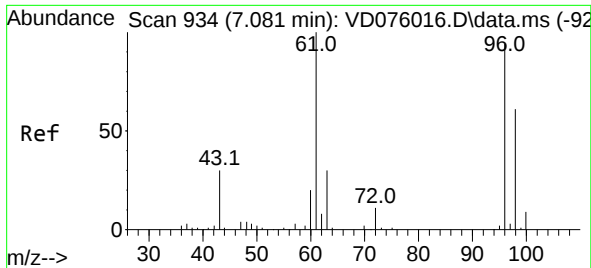
Tgt Ion: 63 Resp: 225594
Ion Ratio Lower Upper
63 100
65 31.2 22.8 42.4
83 13.6 11.2 20.8



#20
cis-1,2-Dichloroethene
Concen: 27.292 ug/L
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 96 Resp: 146105
Ion Ratio Lower Upper
96 100
61 103.7 67.5 125.3
98 65.9 47.5 88.1

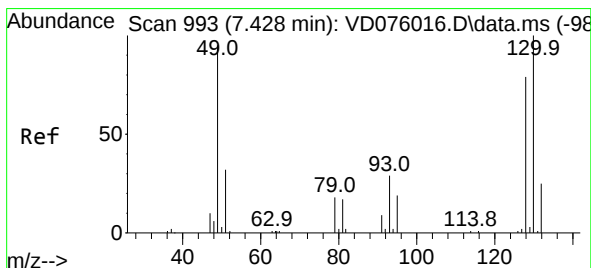
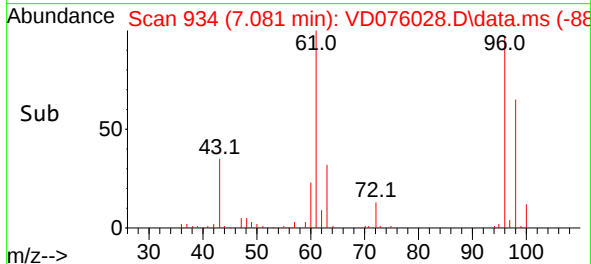
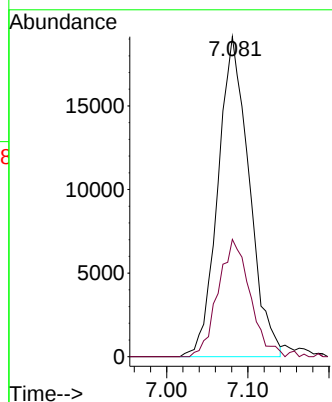
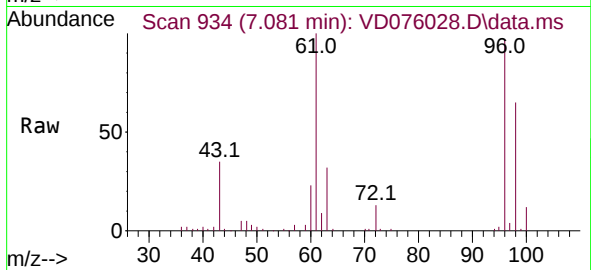




#22
2-Butanone
Concen: 70.175 ug/L
RT: 7.081 min Scan# 912
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

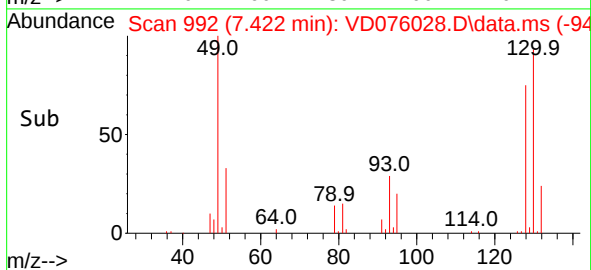
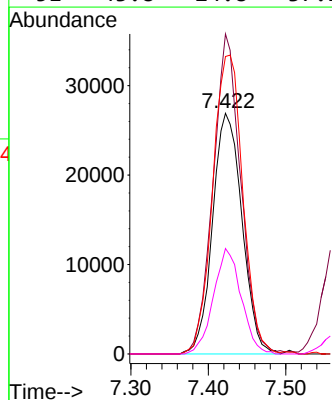
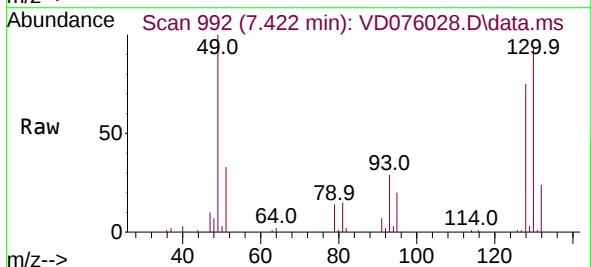
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

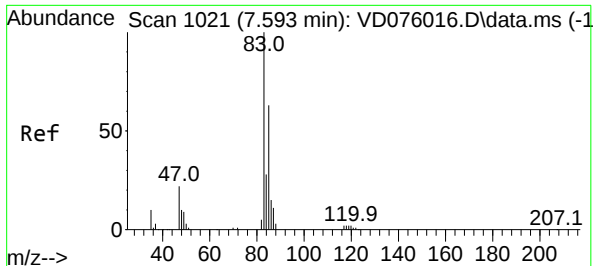
Tgt Ion: 43 Resp: 51200
Ion Ratio Lower Upper
43 100
72 36.7 20.5 61.5



#23
Bromochloromethane
Concen: 28.579 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.006 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 128 Resp: 70954
Ion Ratio Lower Upper
128 100
49 133.0 76.4 142.0
130 123.6 93.5 173.7
51 43.8 24.8 37.2#





#25

Chloroform

Concen: 28.977 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

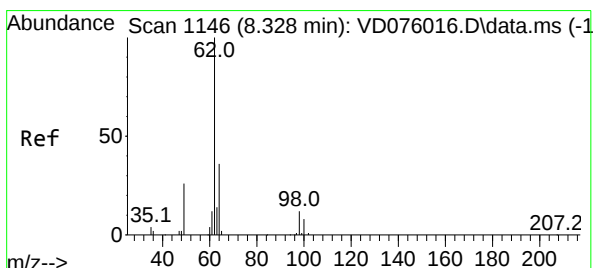
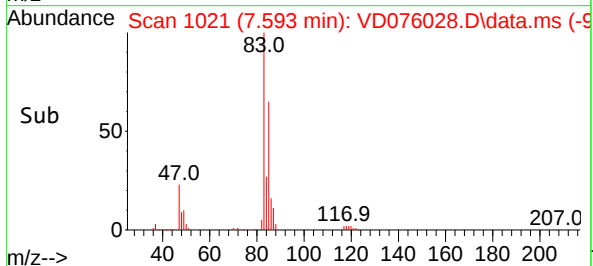
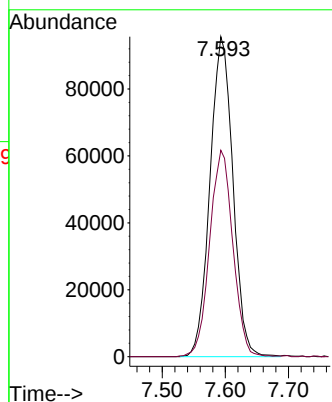
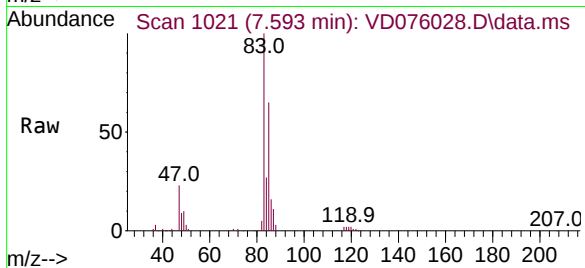
VSTD025151

Tgt Ion: 83 Resp: 240866

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5



#27

1,2-Dichloroethane

Concen: 30.554 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD076028.D

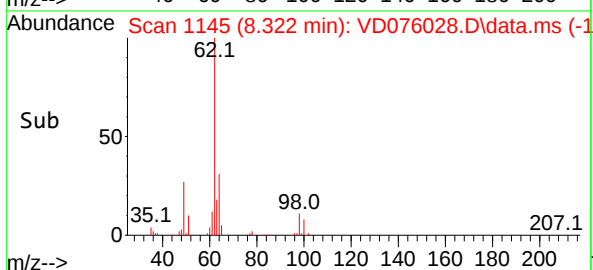
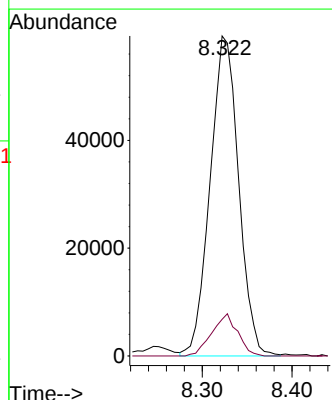
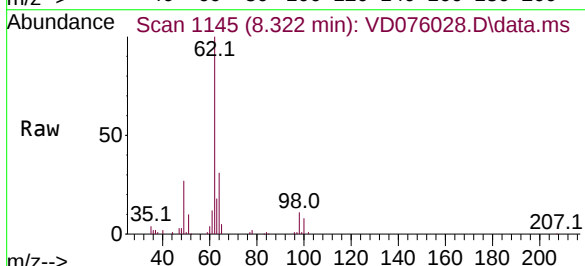
Acq: 05 May 2023 16:43

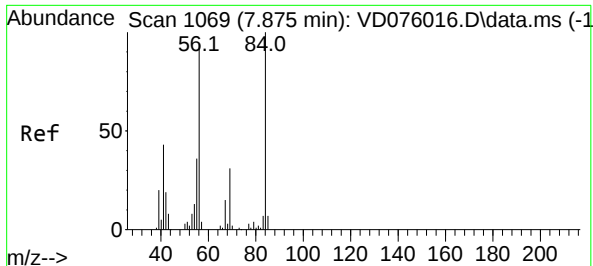
Tgt Ion: 62 Resp: 131094

Ion Ratio Lower Upper

62 100

98 11.4 10.2 15.2





#29

Cyclohexane

Concen: 32.323 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

VSTD025151

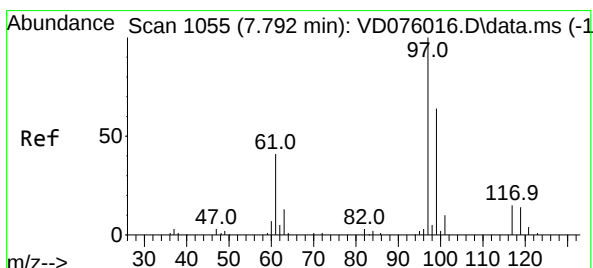
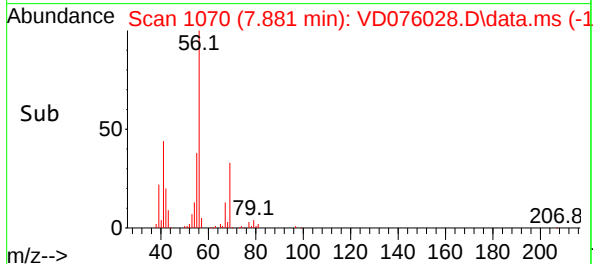
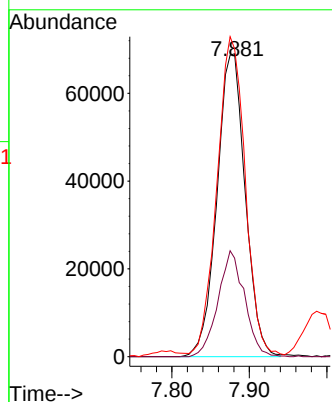
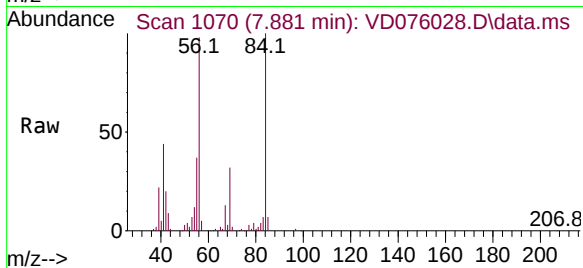
Tgt Ion: 56 Resp: 175130

Ion Ratio Lower Upper

56 100

69 32.8 28.2 42.2

84 105.7 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 28.876 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

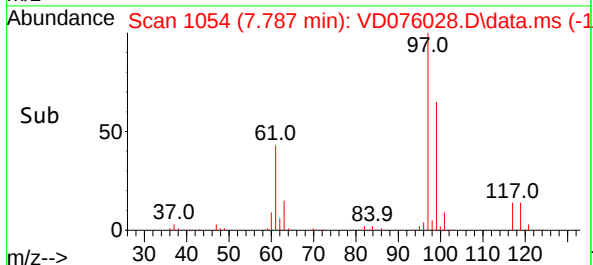
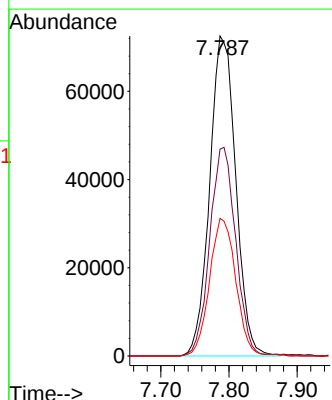
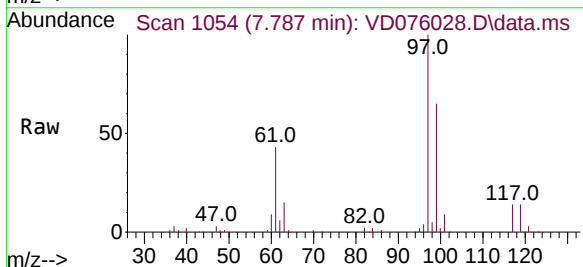
Tgt Ion: 97 Resp: 193366

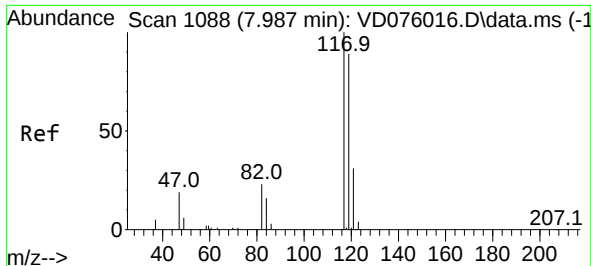
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 43.2 32.1 48.1

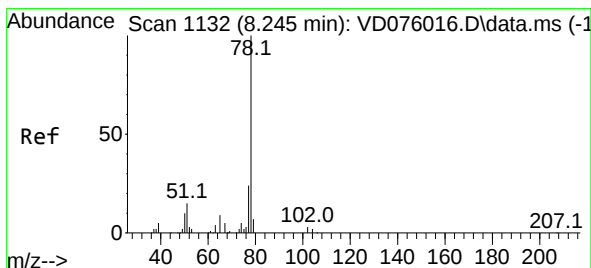
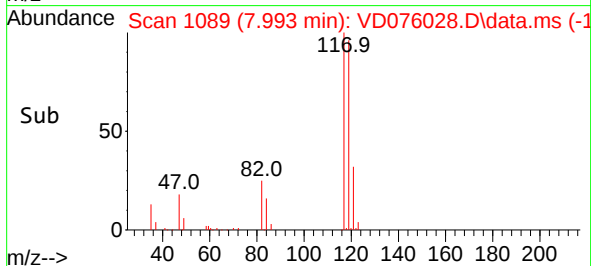
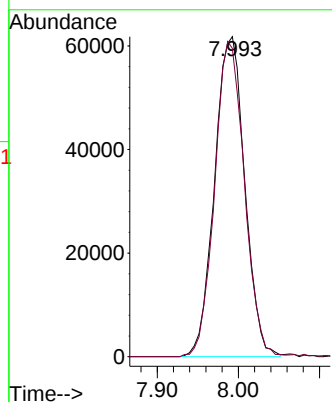
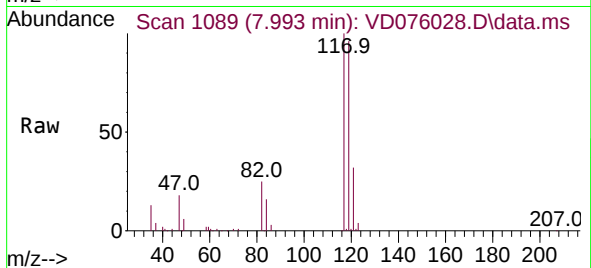




#31
Carbon tetrachloride
Concen: 29.720 ug/L
RT: 7.993 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

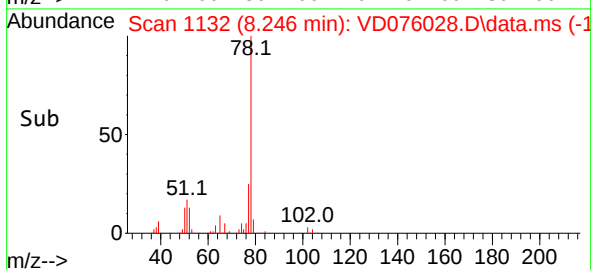
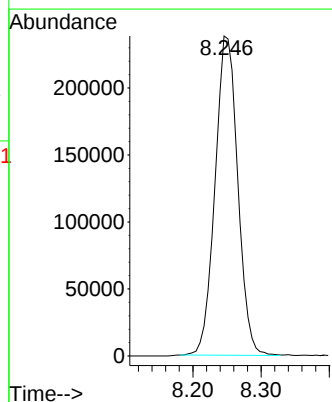
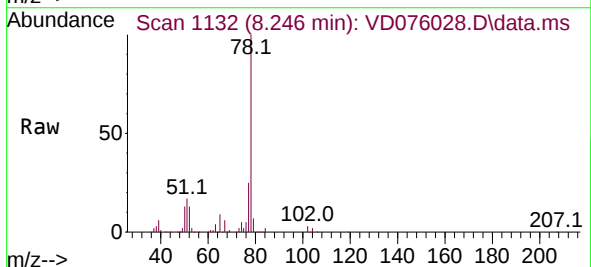
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

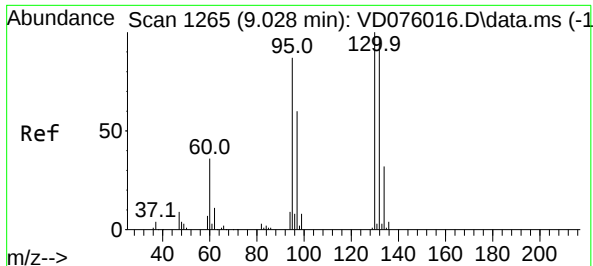
Tgt Ion:117 Resp: 159667
Ion Ratio Lower Upper
117 100
119 96.6 78.2 117.4



#33
Benzene
Concen: 28.855 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 78 Resp: 552405

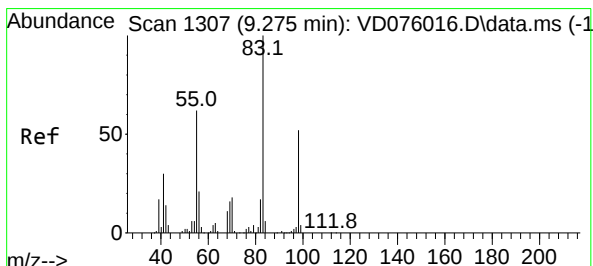
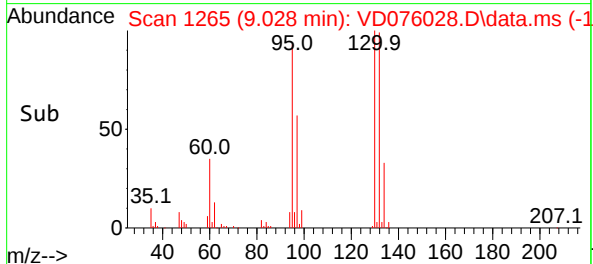
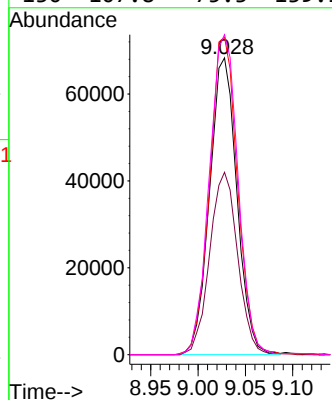
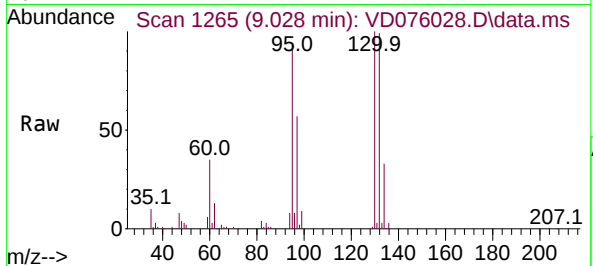




#34
Trichloroethene
Concen: 27.677 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

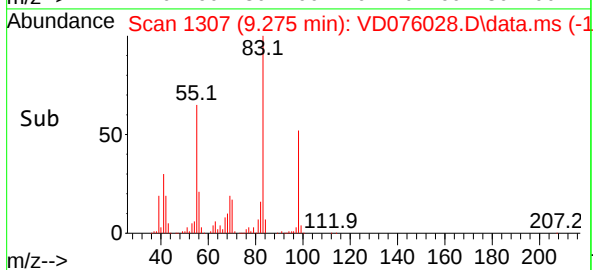
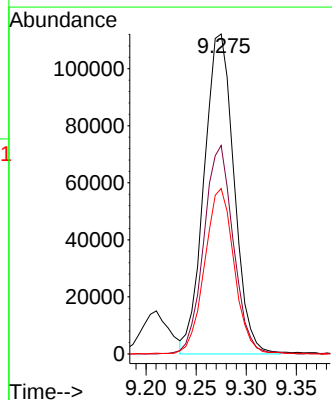
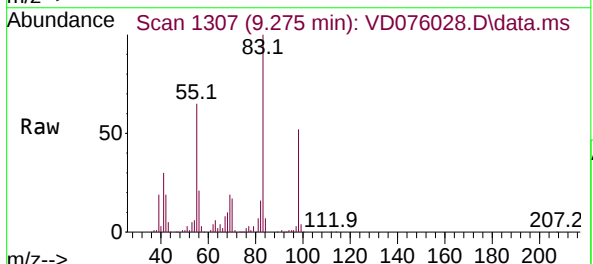
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

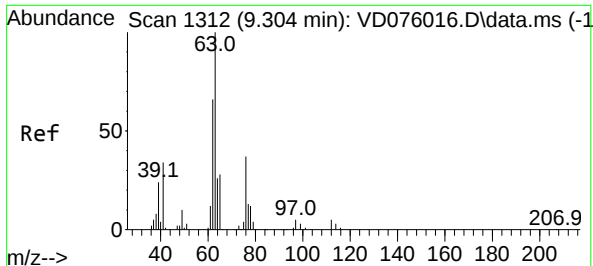
Tgt Ion: 95 Resp: 137023
Ion Ratio Lower Upper
95 100
97 61.4 46.0 85.4
132 107.0 73.3 136.1
130 107.8 75.3 139.9



#35
Methylcyclohexane
Concen: 30.547 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 83 Resp: 233167
Ion Ratio Lower Upper
83 100
55 64.3 48.2 72.2
98 50.7 40.8 61.2





#37

1,2-Dichloropropane

Concen: 31.279 ug/L

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

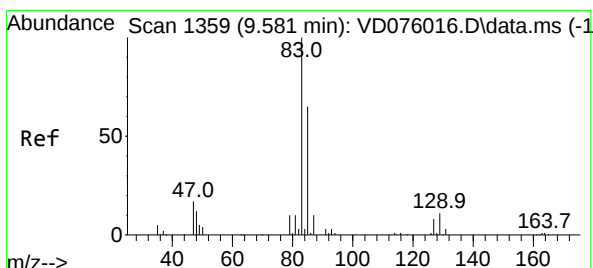
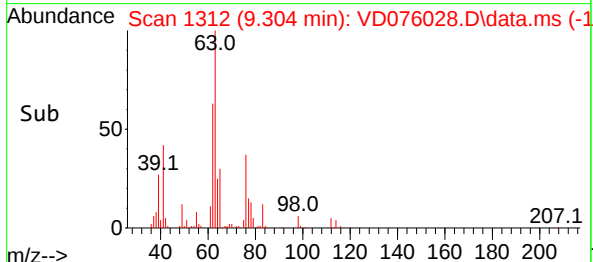
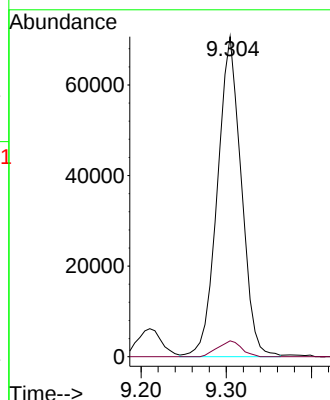
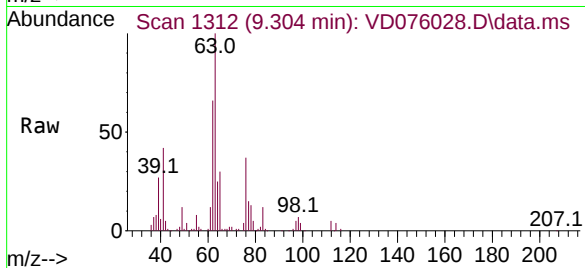
VSTD025151

Tgt Ion: 63 Resp: 137552

Ion Ratio Lower Upper

63 100

112 4.9 4.0 6.0



#38

Bromodichloromethane

Concen: 28.798 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

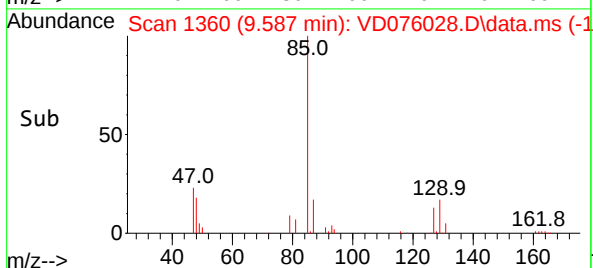
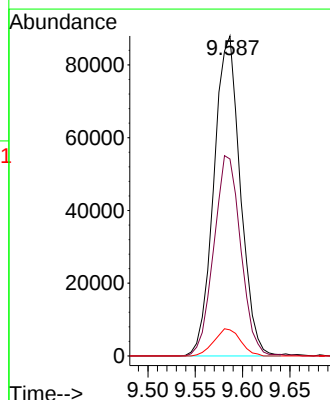
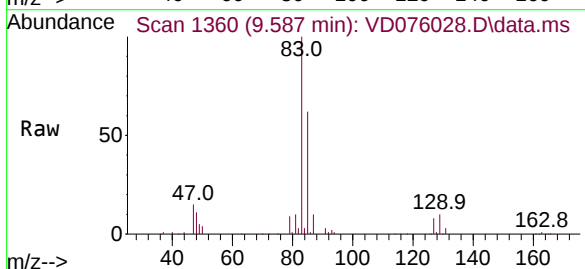
Tgt Ion: 83 Resp: 170758

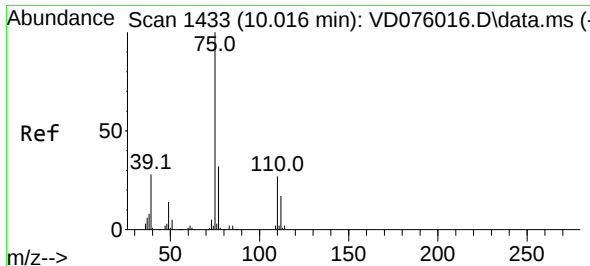
Ion Ratio Lower Upper

83 100

85 61.5 44.2 82.2

127 8.2 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 28.242 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

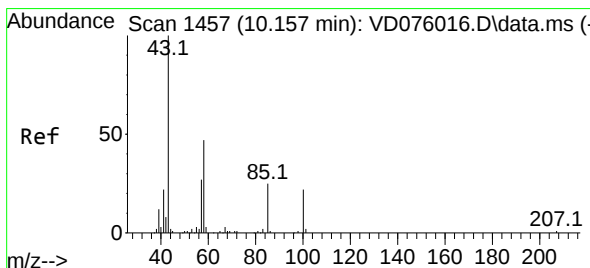
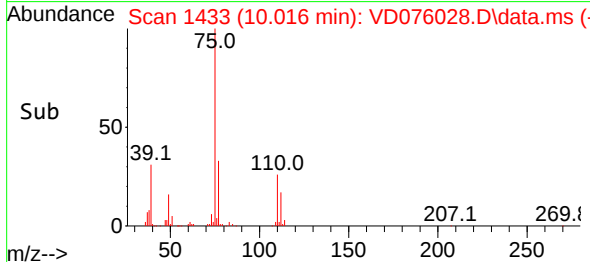
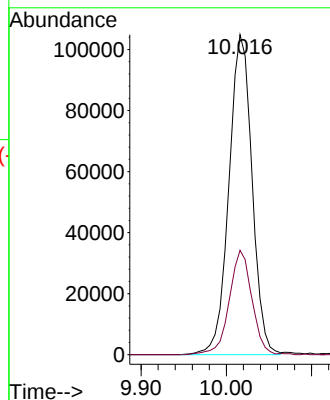
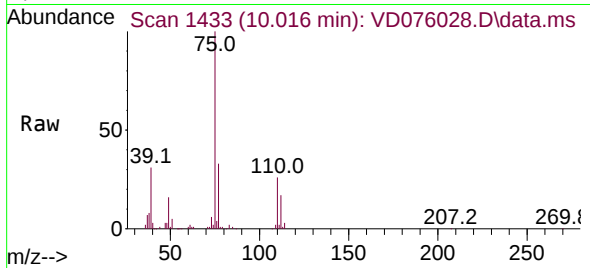
VSTD025151

Tgt Ion: 75 Resp: 197522

Ion Ratio Lower Upper

75 100

77 32.6 23.4 43.6



#40

4-Methyl-2-pentanone

Concen: 70.375 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

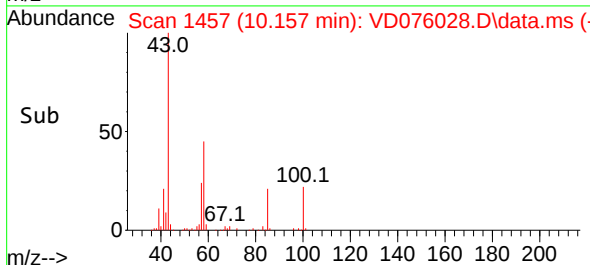
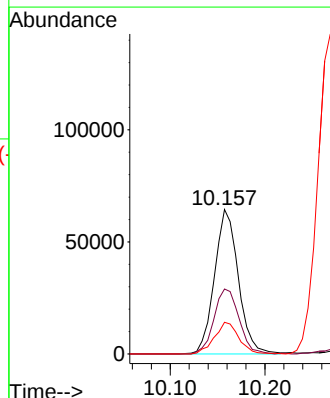
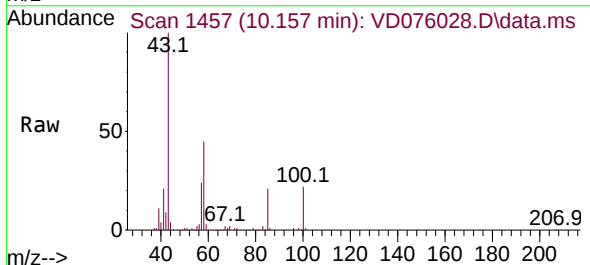
Tgt Ion: 43 Resp: 112836

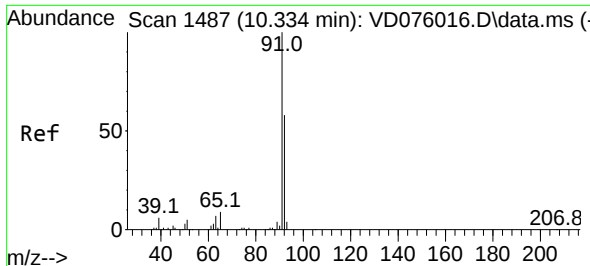
Ion Ratio Lower Upper

43 100

58 47.0 39.1 58.7

100 22.4 19.4 29.0

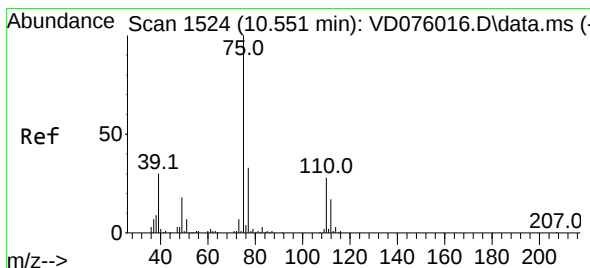
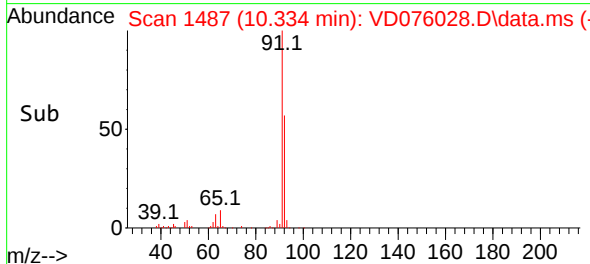
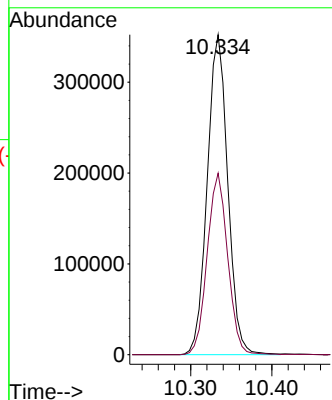
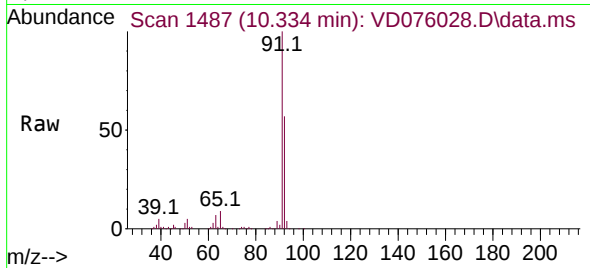




#42
Toluene
Concen: 29.843 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

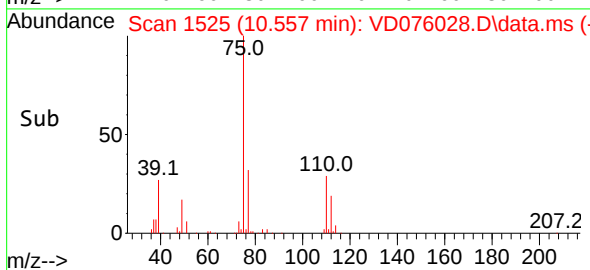
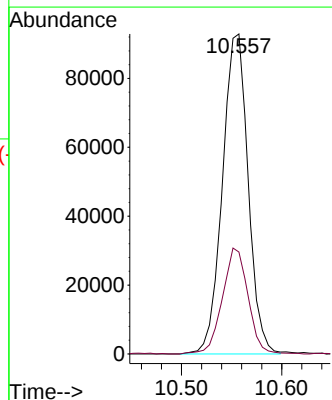
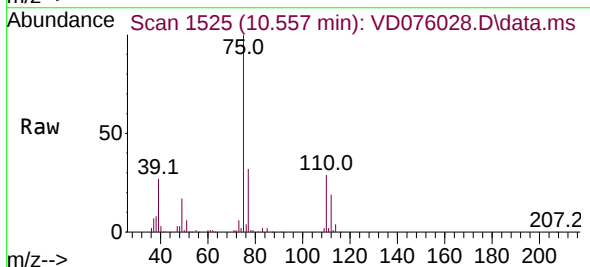
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

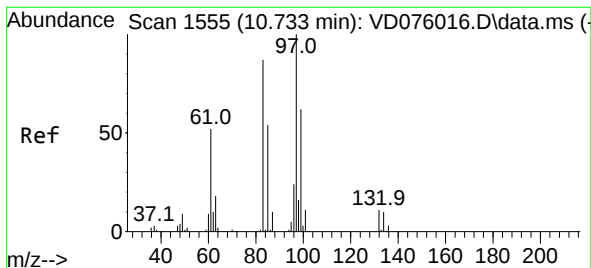
Tgt Ion: 91 Resp: 618269
Ion Ratio Lower Upper
91 100
92 56.7 39.3 72.9



#44
trans-1,3-Dichloropropene
Concen: 29.459 ug/L
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 75 Resp: 165512
Ion Ratio Lower Upper
75 100
77 31.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 29.162 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

VSTD025151

Tgt Ion: 97 Resp: 109103

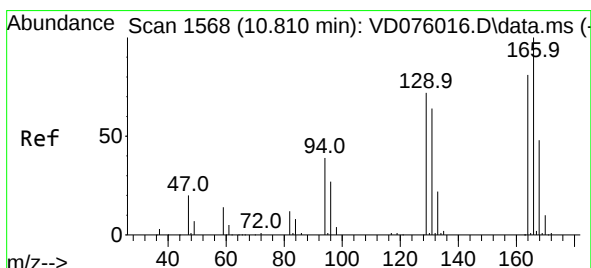
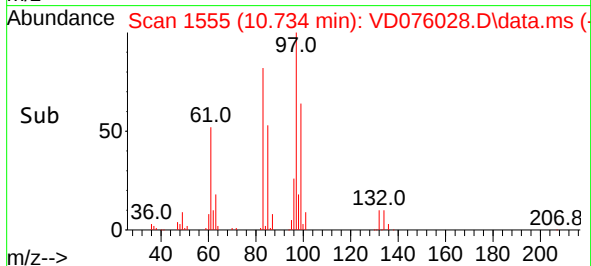
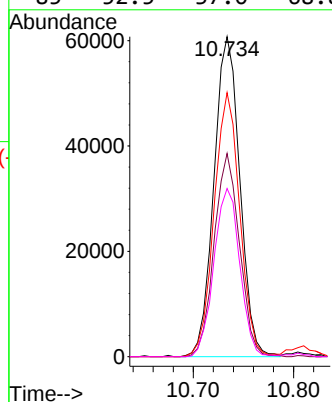
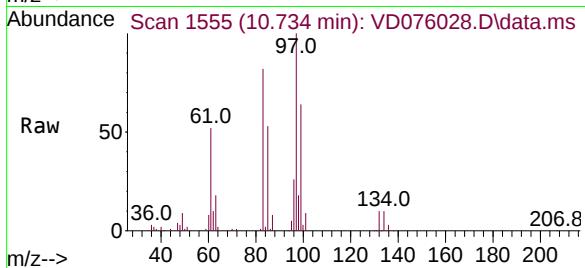
Ion Ratio Lower Upper

97 100

99 63.5 42.2 78.4

83 82.5 54.8 101.8

85 52.5 37.0 68.8



#46

Tetrachloroethene

Concen: 29.068 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Tgt Ion: 164 Resp: 118038

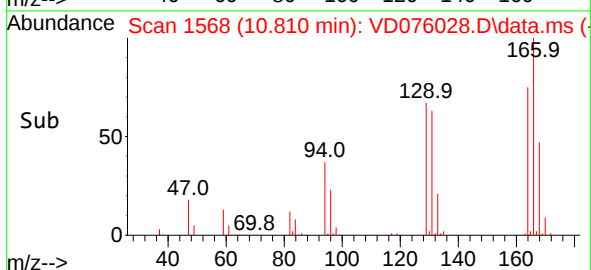
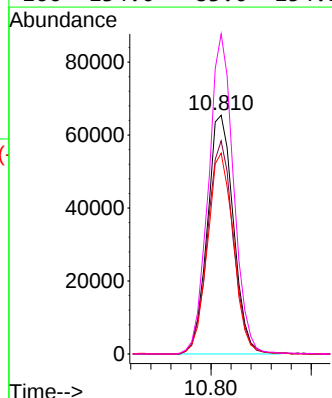
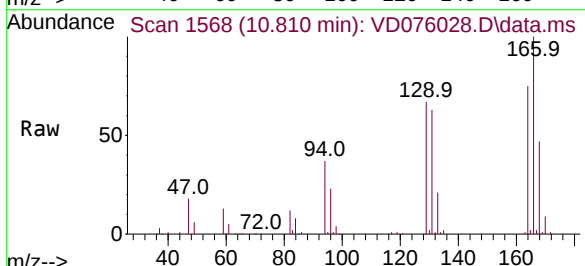
Ion Ratio Lower Upper

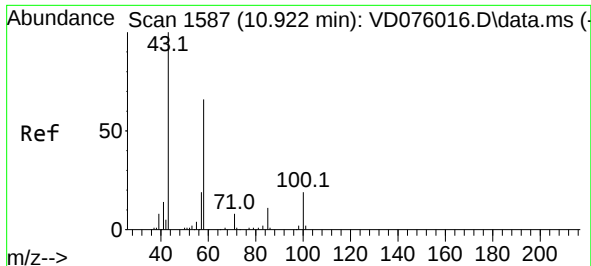
164 100

129 89.3 60.3 112.1

131 84.1 58.9 109.3

166 134.0 83.0 154.1

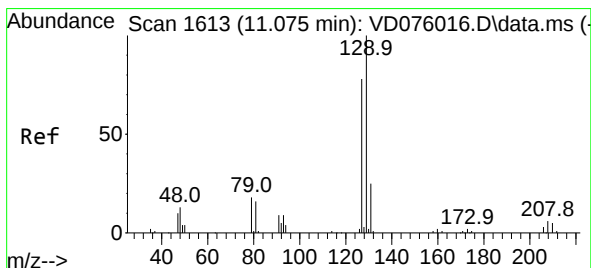
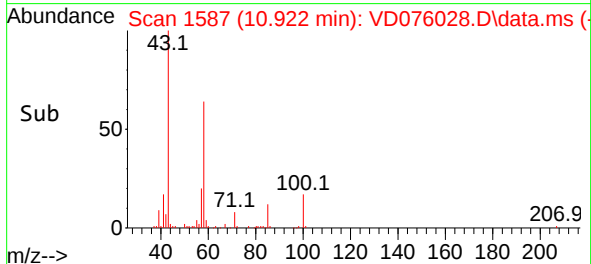
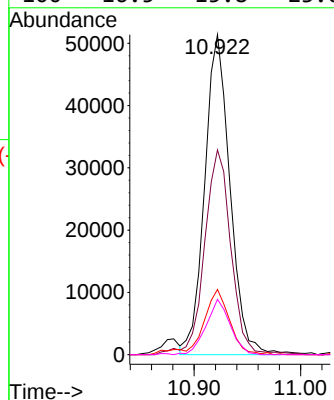
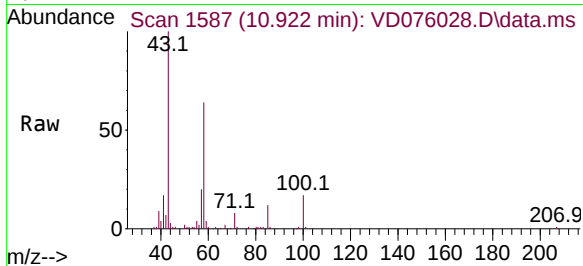




#48
2-Hexanone
Concen: 75.018 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

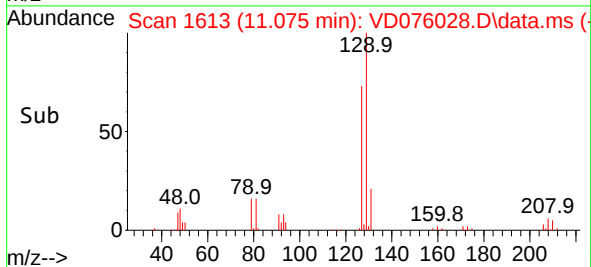
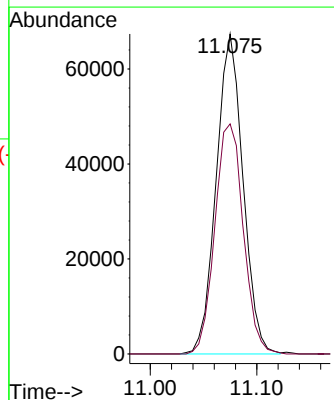
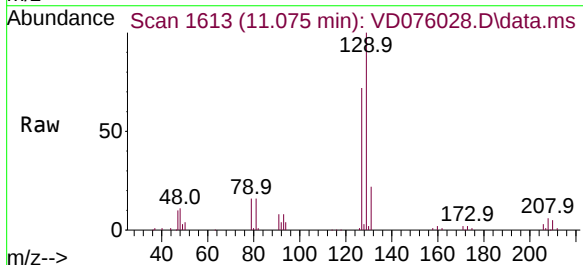
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

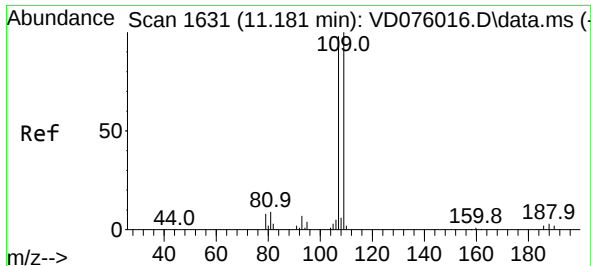
Tgt Ion:	43	Resp:	84795
Ion	Ratio	Lower	Upper
43	100		
58	63.8	59.7	89.5
57	19.9	17.9	26.9
100	16.5	15.8	23.6



#49
Dibromochloromethane
Concen: 28.894 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion:	129	Resp:	117684
Ion	Ratio	Lower	Upper
129	100		
127	71.9	55.6	103.4

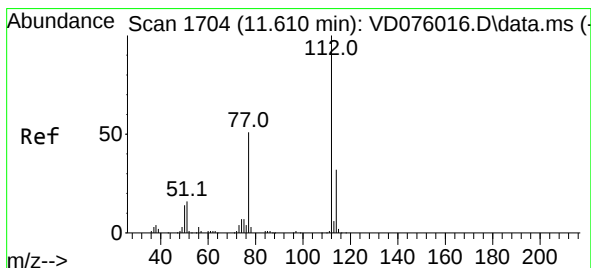
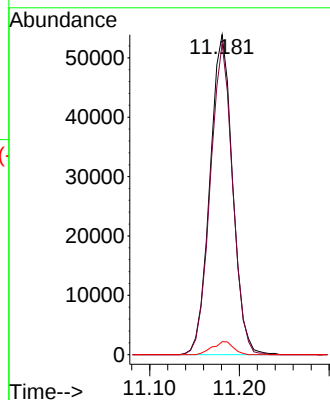
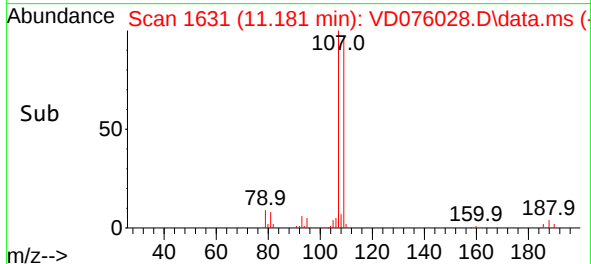
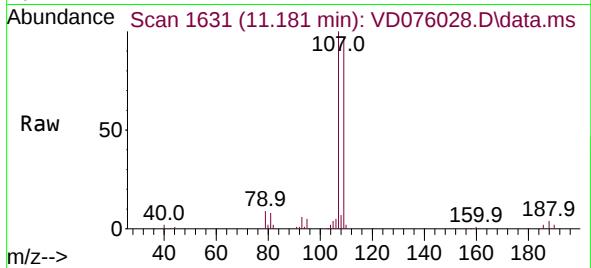




#50
1,2-Dibromoethane
Concen: 28.118 ug/L
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

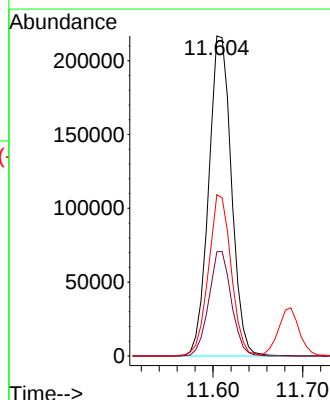
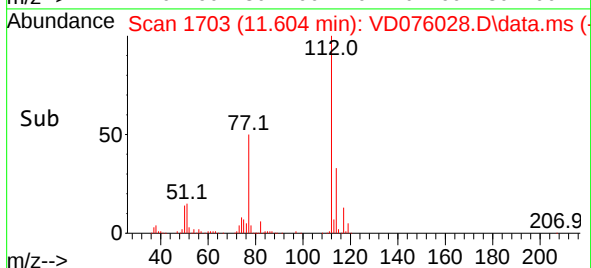
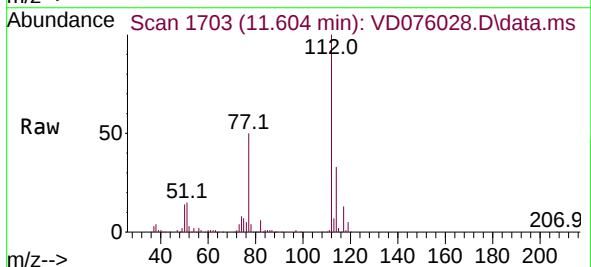
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

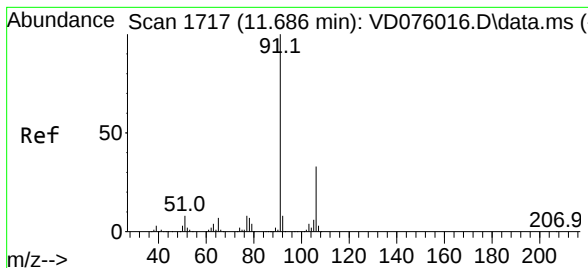
Tgt Ion:107 Resp: 94842
Ion Ratio Lower Upper
107 100
109 97.2 67.6 125.6
188 4.1 3.0 4.6



#51
Chlorobenzene
Concen: 28.181 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion:112 Resp: 381949
Ion Ratio Lower Upper
112 100
114 32.6 23.0 42.8
77 50.4 39.7 59.5

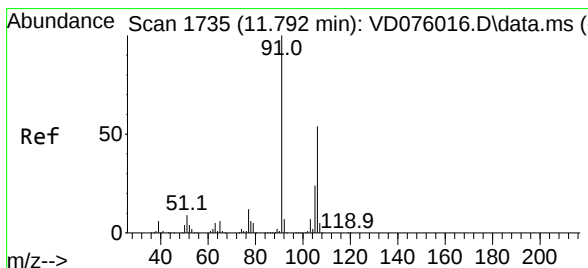
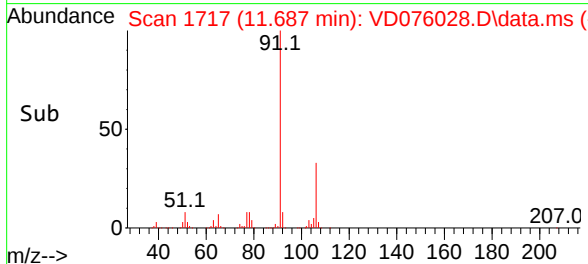
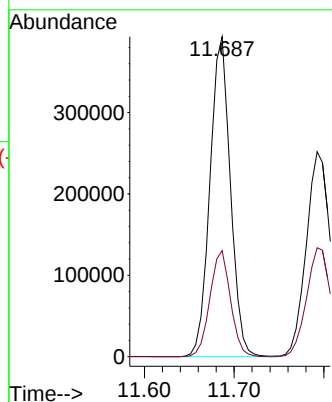
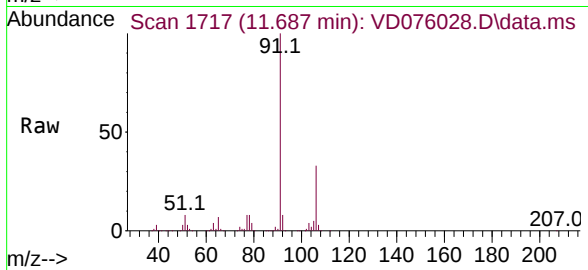




#52
Ethylbenzene
Concen: 29.299 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

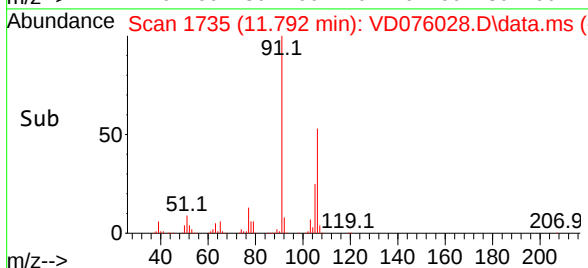
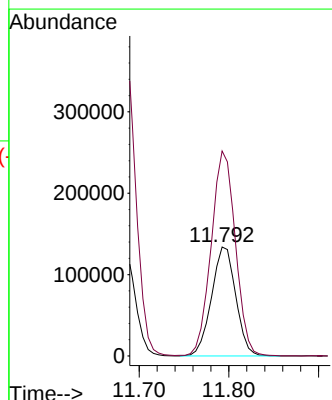
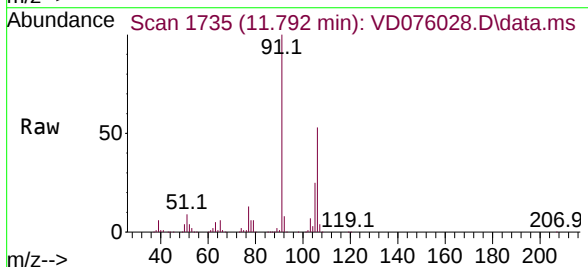
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

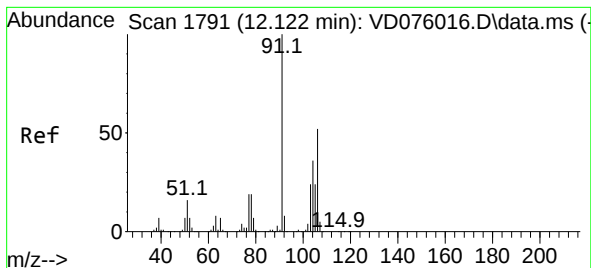
Tgt Ion: 91 Resp: 622433
Ion Ratio Lower Upper
91 100
106 33.2 23.7 43.9



#53
m,p-Xylene
Concen: 29.673 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 106 Resp: 251015
Ion Ratio Lower Upper
106 100
91 188.3 130.9 243.1





#54

o-Xylene

Concen: 29.373 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

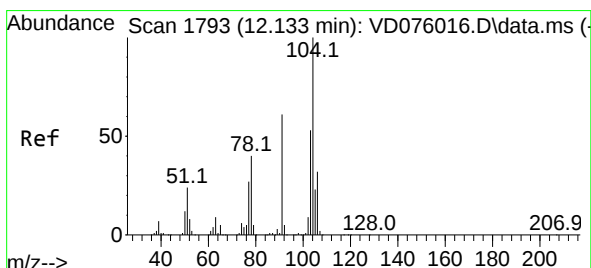
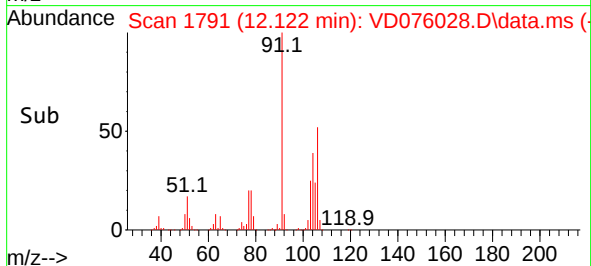
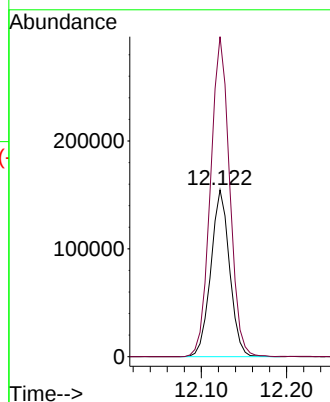
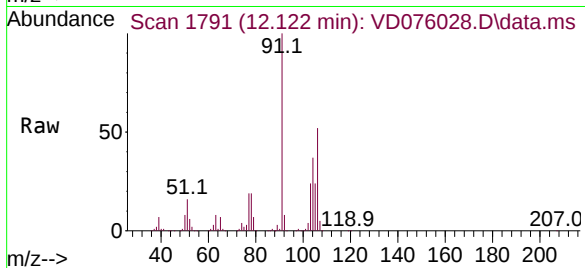
VSTD025151

Tgt Ion:106 Resp: 236006

Ion Ratio Lower Upper

106 100

91 191.9 139.8 259.6



#55

Styrene

Concen: 30.292 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD076028.D

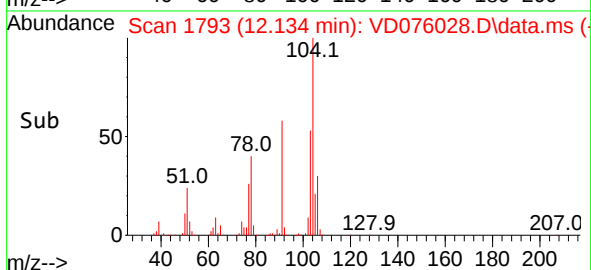
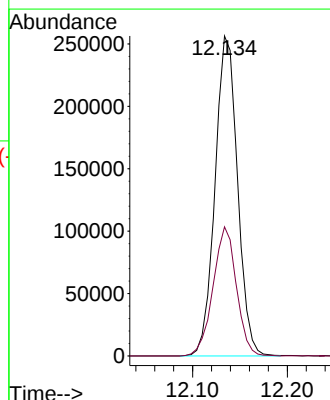
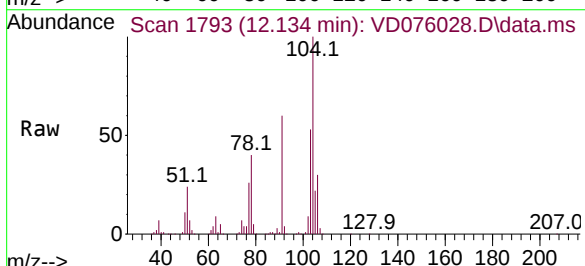
Acq: 05 May 2023 16:43

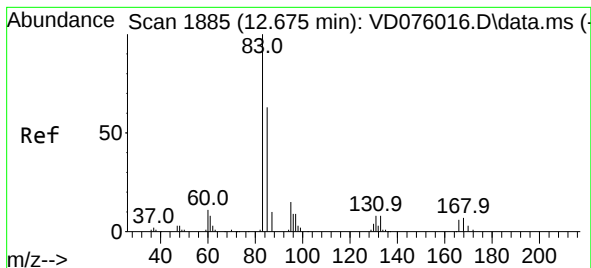
Tgt Ion:104 Resp: 423615

Ion Ratio Lower Upper

104 100

78 40.4 26.2 48.6





#57

1,1,2,2-Tetrachloroethane

Concen: 30.780 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

VSTD025151

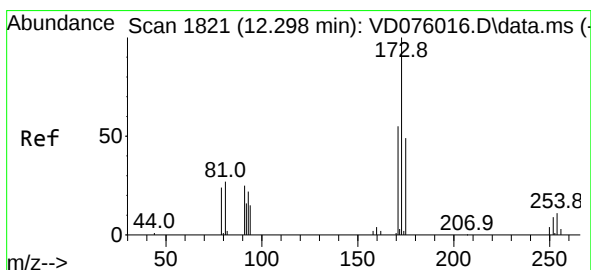
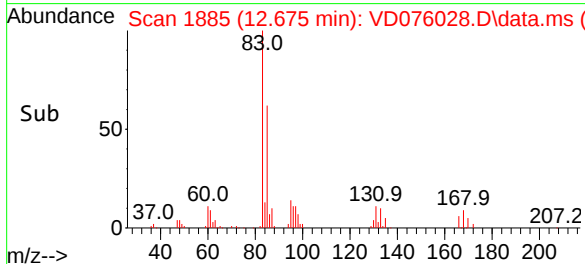
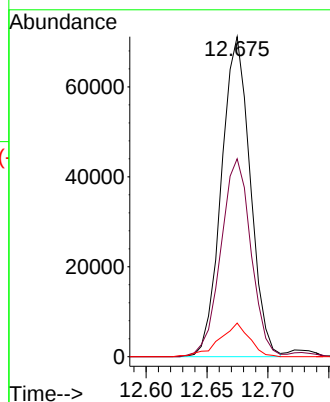
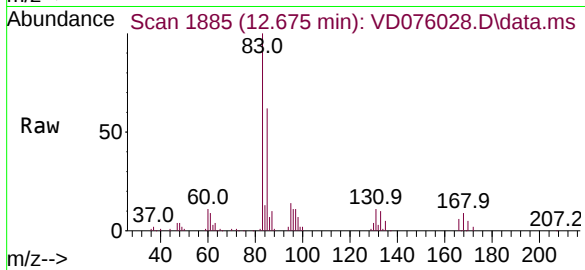
Tgt Ion: 83 Resp: 117168

Ion Ratio Lower Upper

83 100

85 61.9 45.1 83.7

131 10.5 7.0 10.6



#59

Bromoform

Concen: 27.558 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

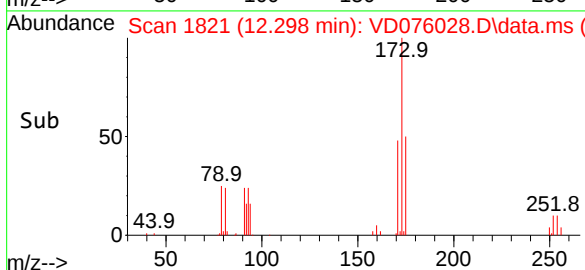
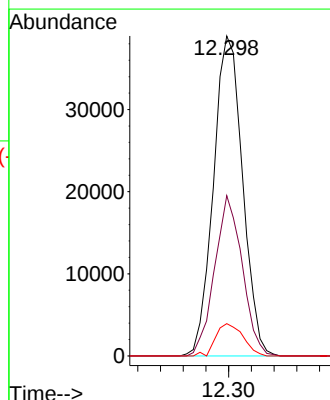
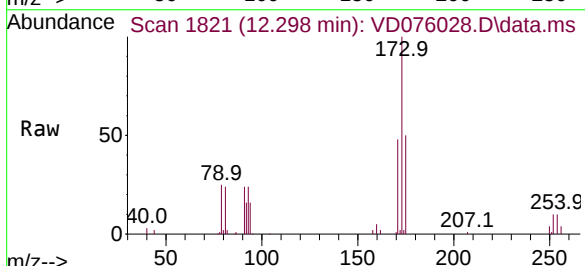
Tgt Ion: 173 Resp: 69499

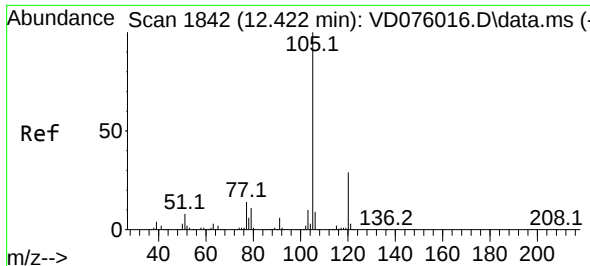
Ion Ratio Lower Upper

173 100

175 47.4 39.4 59.0

254 9.3 7.4 11.2

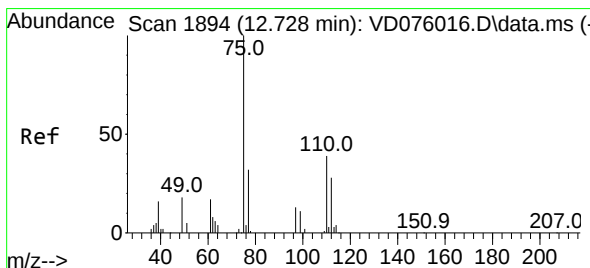
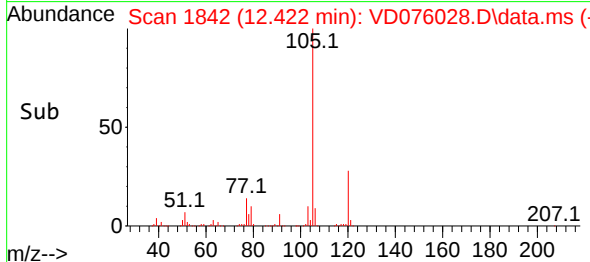
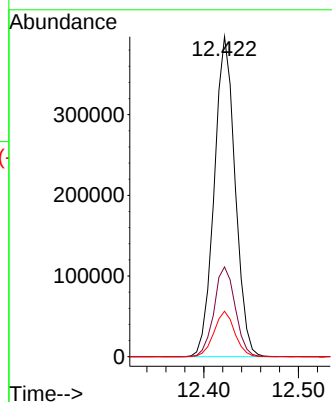
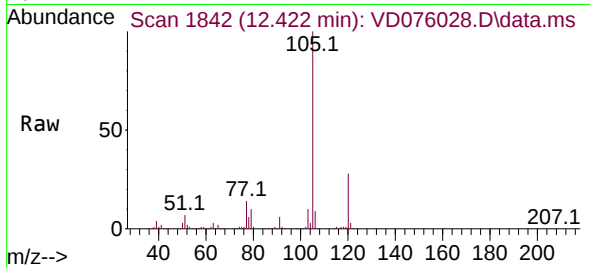




#60
Isopropylbenzene
Concen: 27.840 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

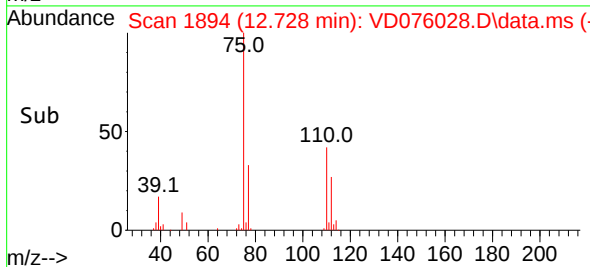
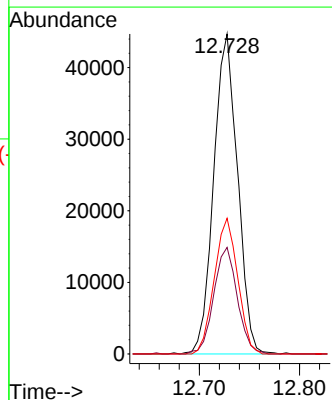
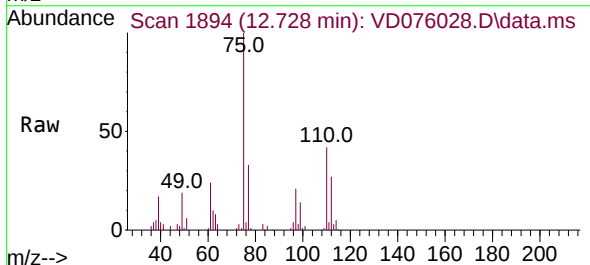
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

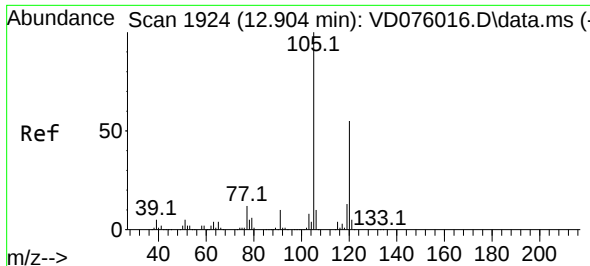
Tgt Ion:105 Resp: 607460
Ion Ratio Lower Upper
105 100
120 28.5 22.7 34.1
77 14.1 10.9 16.3



#61
1,2,3-Trichloropropane
Concen: 28.541 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion: 75 Resp: 73779
Ion Ratio Lower Upper
75 100
77 32.8 26.6 39.8
110 41.7 33.5 50.3

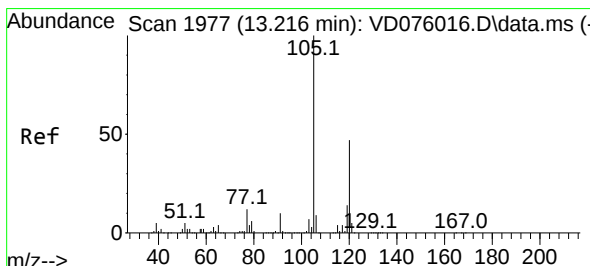
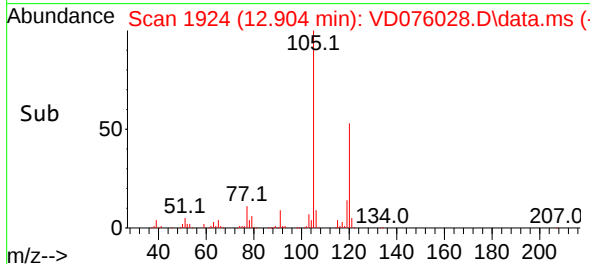
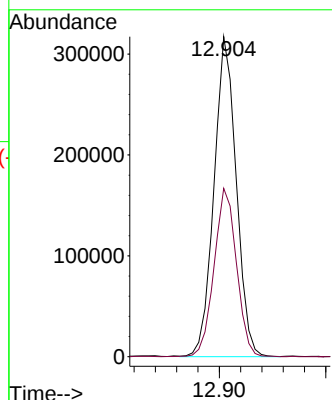
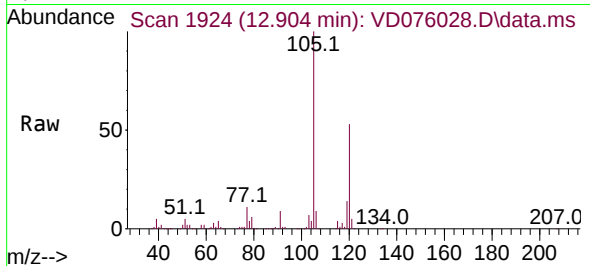




#62
1,3,5-Trimethylbenzene
Concen: 28.233 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

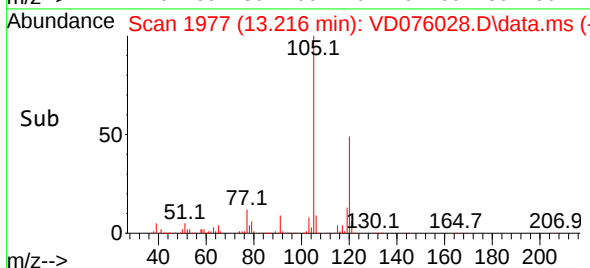
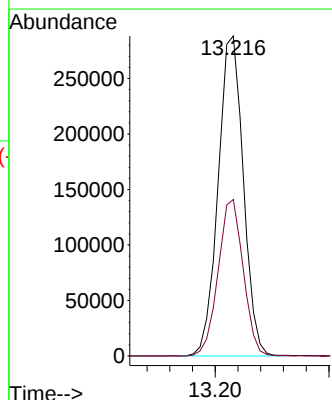
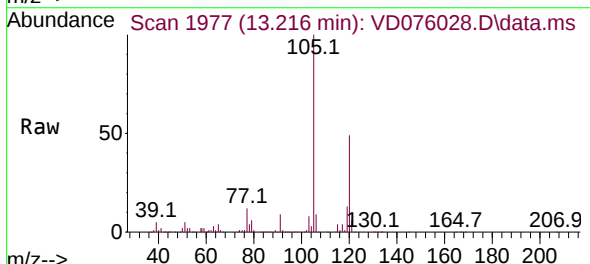
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

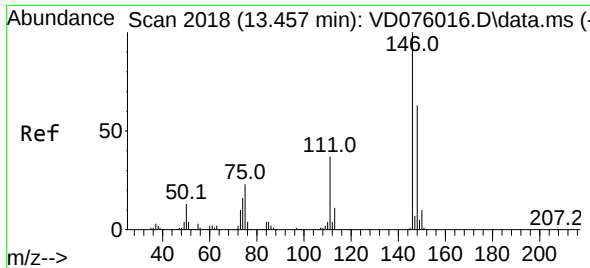
Tgt Ion:105 Resp: 459355
Ion Ratio Lower Upper
105 100
120 52.9 42.0 63.0



#63
1,2,4-Trimethylbenzene
Concen: 28.336 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion:105 Resp: 444423
Ion Ratio Lower Upper
105 100
120 48.6 39.0 58.6

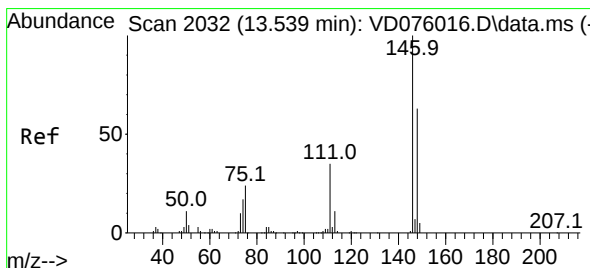
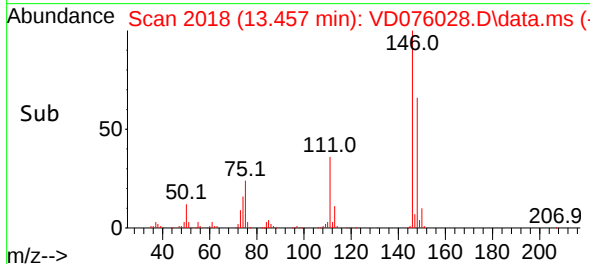
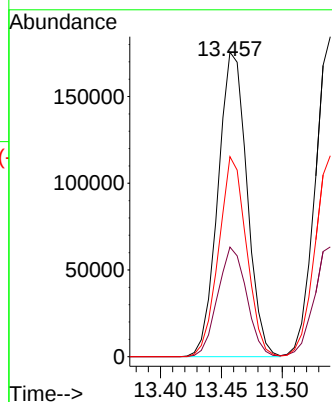
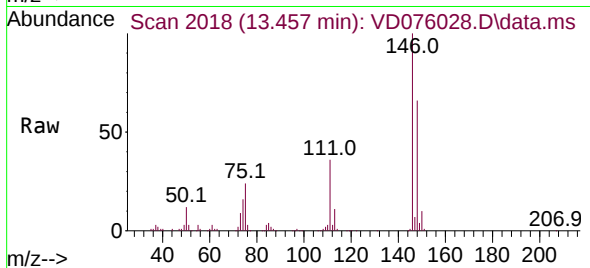




#64
1,3-Dichlorobenzene
Concen: 27.855 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

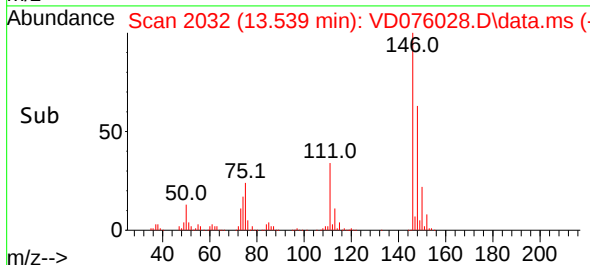
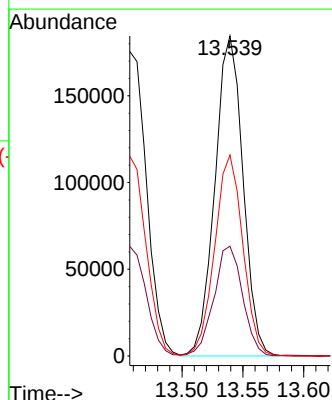
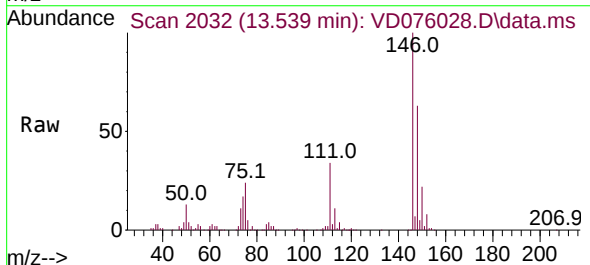
Instrument :
MSVOA_D
ClientSampleId :
VSTD025151

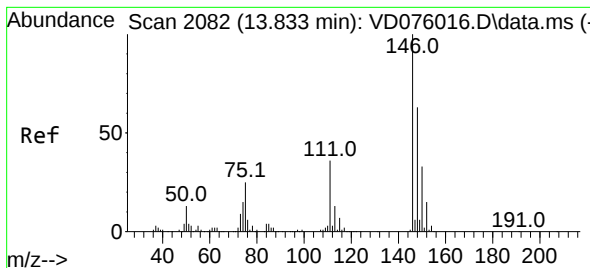
Tgt Ion:146 Resp: 290809
Ion Ratio Lower Upper
146 100
111 36.0 26.5 49.1
148 65.7 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 27.050 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD076028.D
Acq: 05 May 2023 16:43

Tgt Ion:146 Resp: 296381
Ion Ratio Lower Upper
146 100
111 34.3 24.6 45.8
148 62.8 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 27.644 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

VSTD025151

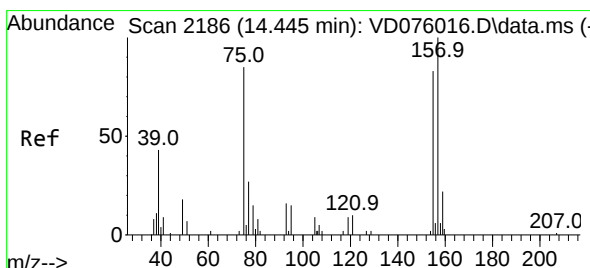
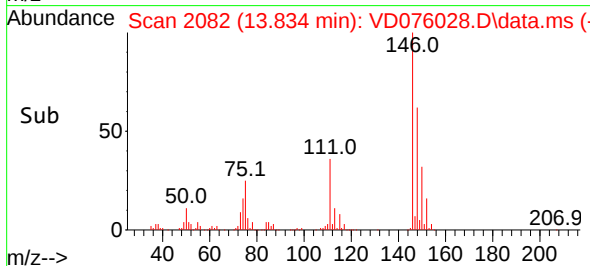
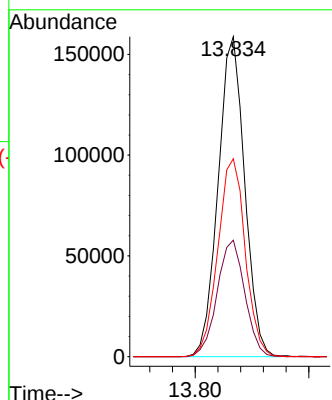
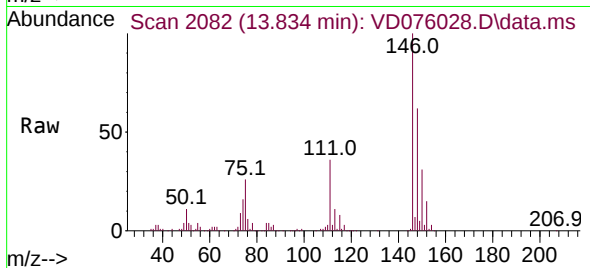
Tgt Ion:146 Resp: 257730

Ion Ratio Lower Upper

146 100

111 36.4 30.6 46.0

148 61.9 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 29.421 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

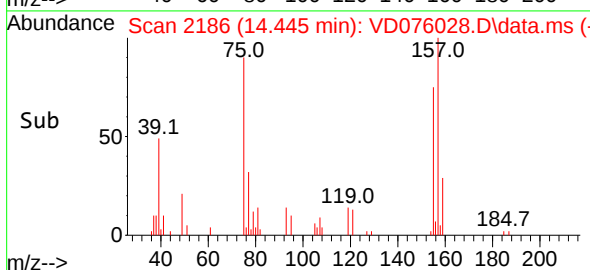
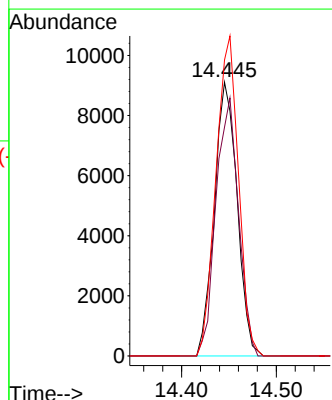
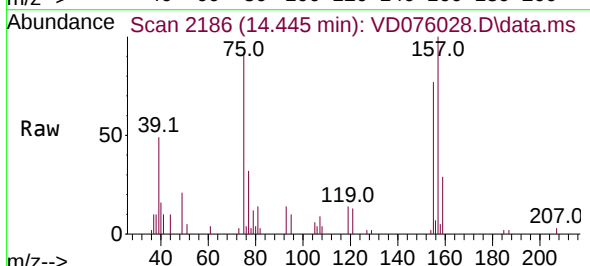
Tgt Ion: 75 Resp: 15204

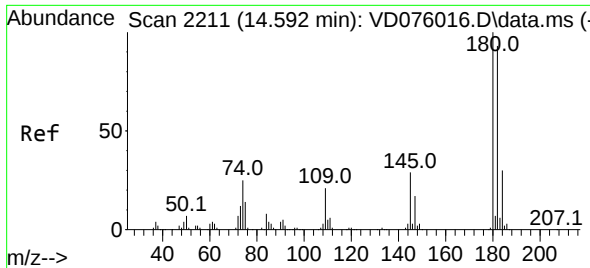
Ion Ratio Lower Upper

75 100

155 83.6 74.6 111.8

157 108.1 109.4 164.2#

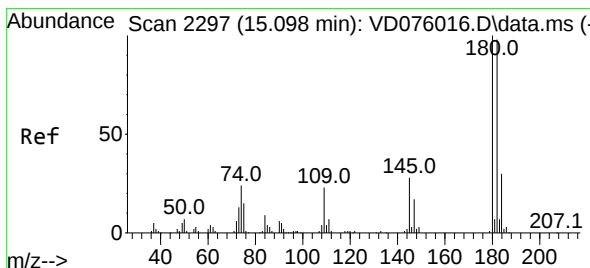
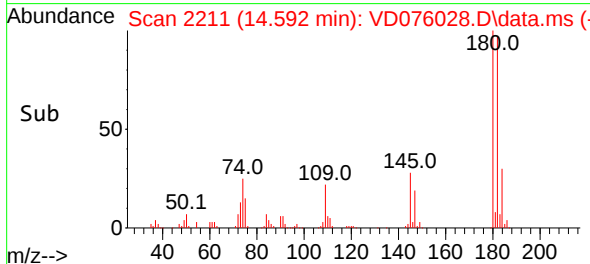
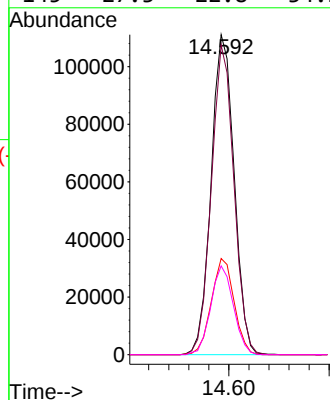
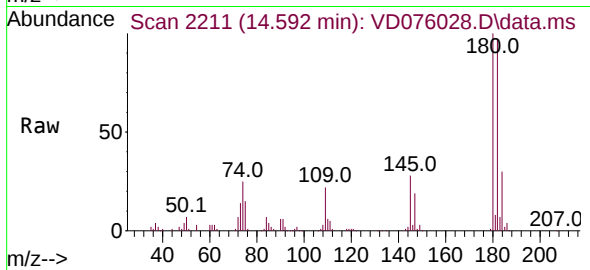




#69
 1,3,5-Trichlorobenzene
 Concen: 25.286 ug/L
 RT: 14.592 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: VD076028.D
 Acq: 05 May 2023 16:43

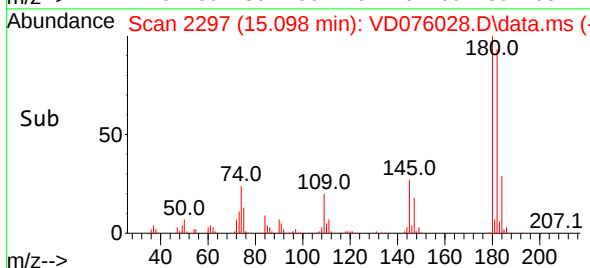
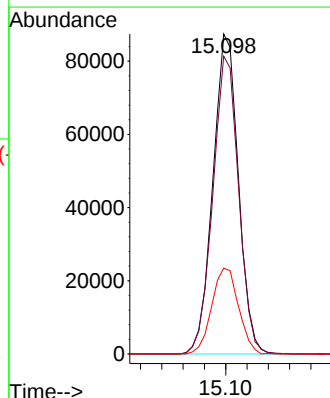
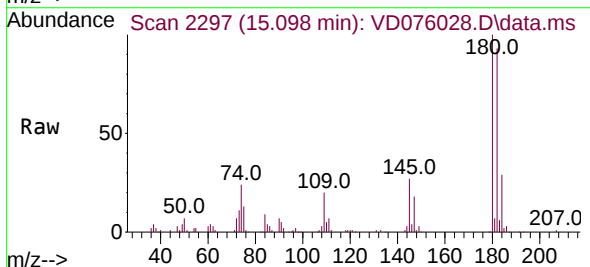
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025151

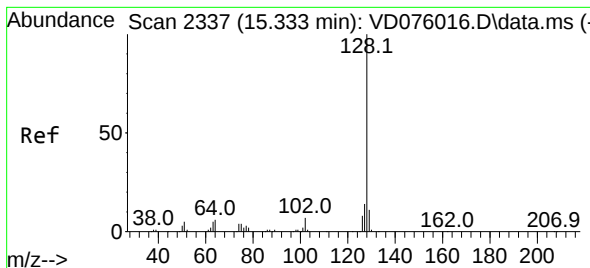
Tgt Ion:180 Resp: 176938
 Ion Ratio Lower Upper
 180 100
 182 94.8 74.9 112.3
 184 29.9 25.0 37.4
 145 27.3 22.8 34.2



#70
 1,2,4-trichlorobenzene
 Concen: 24.984 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD076028.D
 Acq: 05 May 2023 16:43

Tgt Ion:180 Resp: 144882
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.4 113.2
 145 28.2 23.6 35.4





#71

Naphthalene

Concen: 25.686 ug/L

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Instrument :

MSVOA_D

ClientSampleId :

VSTD025151

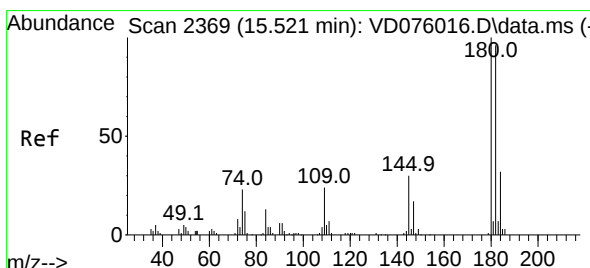
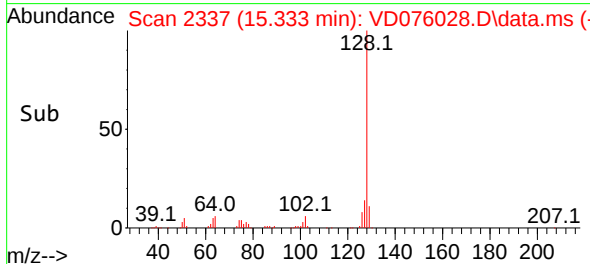
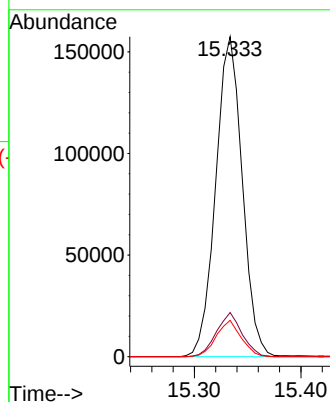
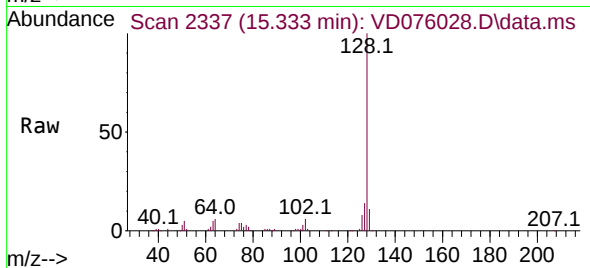
Tgt Ion:128 Resp: 272574

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.6 9.1 13.7



#72

1,2,3-Trichlorobenzene

Concen: 25.891 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD076028.D

Acq: 05 May 2023 16:43

Tgt Ion:180 Resp: 134018

Ion Ratio Lower Upper

180 100

182 96.2 76.3 114.5

145 30.0 25.0 37.6

