

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042823\
 Data File : VD075891.D
 Acq On : 28 Apr 2023 16:50
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.95G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025138

Quant Time: Apr 29 02:59:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 29 02:40:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	389817	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	358865	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	180223	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	211917	24.781	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.120%
7) Chloroethane-d5	2.799	69	184240	24.935	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.760%
11) 1,1-Dichloroethene-d2	3.917	65	48783	24.744	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.960%
21) 2-Butanone-d5	6.987	46	43708	58.875	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.760%
24) Chloroform-d	7.563	84	241571	24.782	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.120%
26) 1,2-Dichloroethane-d4	8.228	65	104018	24.987	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.960%
32) Benzene-d6	8.199	84	511788	24.468	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.880%
36) 1,2-Dichloropropane-d6	9.210	67	142402	24.597	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.400%
41) Toluene-d8	10.269	98	483315	24.682	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.720%
43) trans-1,3-Dichloroprop...	10.528	79	58986	24.650	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.600%
47) 2-Hexanone-d5	10.875	63	41994	60.242	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.480%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	120860	27.281	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.120%
66) 1,2-Dichlorobenzene-d4	13.816	152	149772	23.495	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	162465	30.232	ug/L	100
3) Chloromethane	2.146	50	222286	29.672	ug/L	99
5) Vinyl chloride	2.281	62	274778	28.065	ug/L	99
6) Bromomethane	2.687	94	149630	22.744	ug/L	96
8) Chloroethane	2.834	64	171404	27.069	ug/L	95
9) Trichlorofluoromethane	3.175	101	223295	28.384	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	157797	29.857	ug/L	98
12) 1,1-Dichloroethene	3.940	96	141813	27.668	ug/L	82
13) Acetone	4.017	43	38193	60.117	ug/L	93
14) Carbon disulfide	4.270	76	477584	26.677	ug/L	99
15) Methyl Acetate	4.558	43	22841	16.589	ug/L #	1
16) Methylene chloride	4.799	84	166203	21.017	ug/L	99
17) trans-1,2-Dichloroethene	5.311	96	151009	26.275	ug/L	97
18) Methyl tert-butyl Ether	5.317	73	249077	27.018	ug/L #	93
19) 1,1-Dichloroethane	6.111	63	233200	27.698	ug/L	95
20) cis-1,2-Dichloroethene	7.075	96	157502	25.918	ug/L	99
22) 2-Butanone	7.081	43	52556	63.455	ug/L	95
23) Bromochloromethane	7.428	128	77816	27.611	ug/L	91
25) Chloroform	7.593	83	250860	26.586	ug/L	100

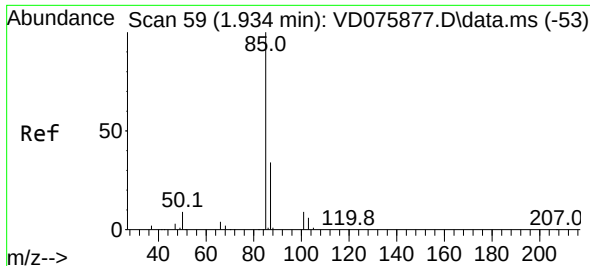
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042823\
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Quant Time: Apr 29 02:59:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 29 02:40:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	132612	27.227	ug/L	96
29) Cyclohexane	7.875	56	186594	30.373	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	207056	27.270	ug/L	99
31) Carbon tetrachloride	7.993	117	170803	28.039	ug/L	99
33) Benzene	8.252	78	585443	26.970	ug/L	100
34) Trichloroethene	9.028	95	149985	26.718	ug/L	97
35) Methylcyclohexane	9.275	83	256531	29.640	ug/L	99
37) 1,2-Dichloropropane	9.305	63	138650	27.806	ug/L	100
38) Bromodichloromethane	9.587	83	176116	26.195	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	209030	26.359	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	114203	62.818	ug/L	98
42) Toluene	10.334	91	651026	27.714	ug/L	100
44) trans-1,3-Dichloropropene	10.552	75	175172	27.497	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	112812	26.593	ug/L	97
46) Tetrachloroethene	10.810	164	125813	27.325	ug/L	94
48) 2-Hexanone	10.922	43	83604	65.231	ug/L	95
49) Dibromochloromethane	11.075	129	128011	27.719	ug/L	99
50) 1,2-Dibromoethane	11.181	107	106208	27.770	ug/L	94
51) Chlorobenzene	11.604	112	410465	26.710	ug/L	98
52) Ethylbenzene	11.687	91	667613	27.715	ug/L	99
53) m,p-Xylene	11.793	106	272165	28.375	ug/L	98
54) o-Xylene	12.122	106	252551	27.721	ug/L	95
55) Styrene	12.134	104	449325	28.337	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	126156	29.228	ug/L	100
59) Bromoform	12.299	173	75291	27.259	ug/L	99
60) Isopropylbenzene	12.422	105	651801	27.275	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	77788	27.476	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	496647	27.871	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	476443	27.736	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	300280	26.262	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	308605	25.716	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	268782	26.323	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	15798	27.913	ug/L	96
69) 1,3,5-Trichlorobenzene	14.592	180	177320	23.137	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	143927	22.662	ug/L	99
71) Naphthalene	15.334	128	287646	24.749	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	135606	23.920	ug/L	99

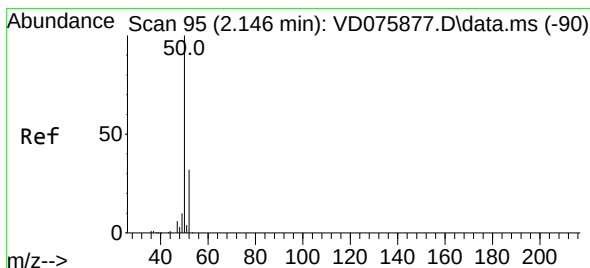
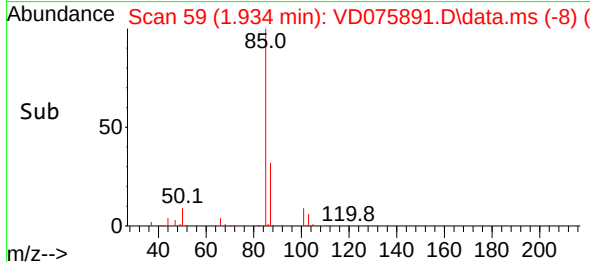
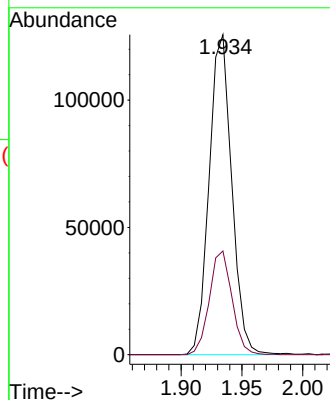
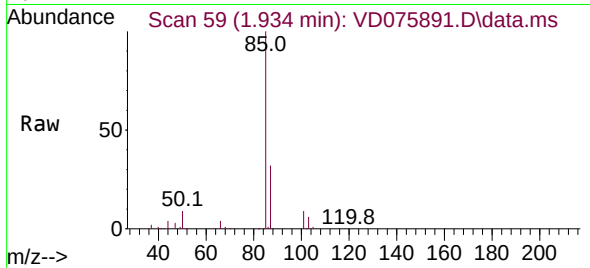
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#2
Dichlorodifluoromethane
Concen: 30.232 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

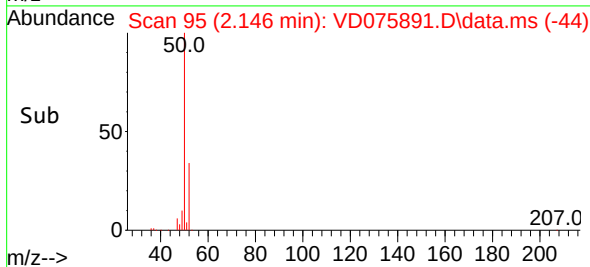
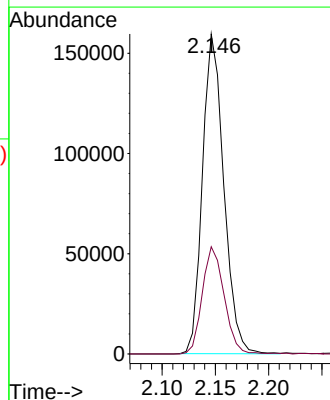
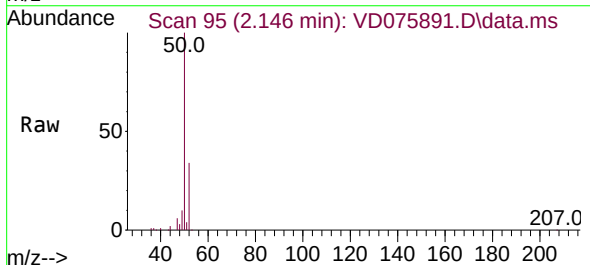
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

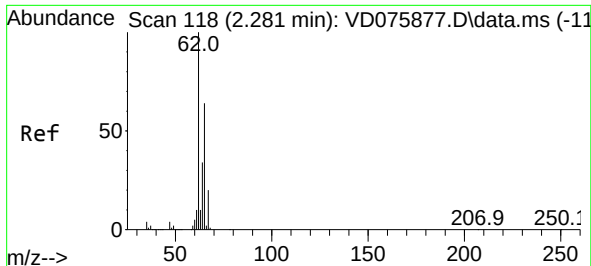
Tgt Ion: 85 Resp: 162465
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.8



#3
Chloromethane
Concen: 29.672 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 50 Resp: 222286
Ion Ratio Lower Upper
50 100
52 33.5 23.7 44.1

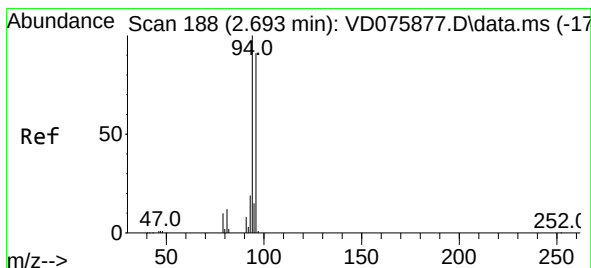
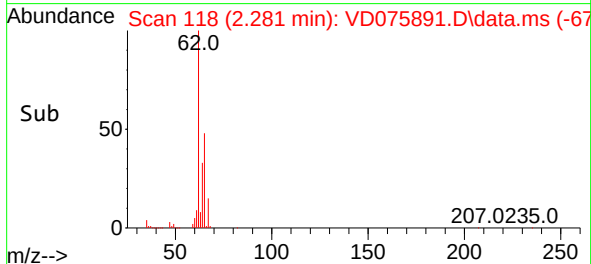
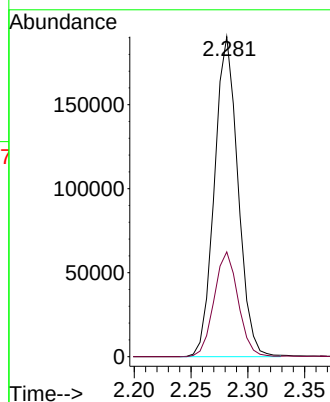
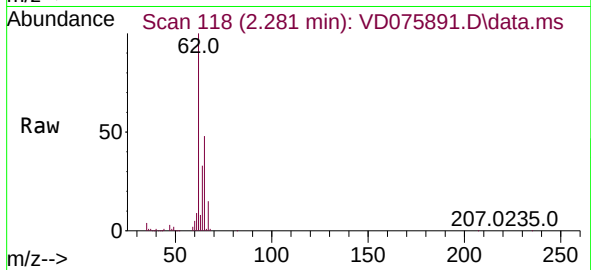




#5
 Vinyl chloride
 Concen: 28.065 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD075891.D
 Acq: 28 Apr 2023 16:50

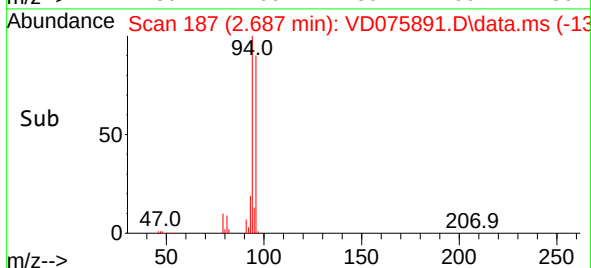
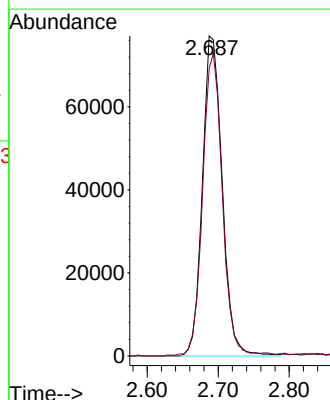
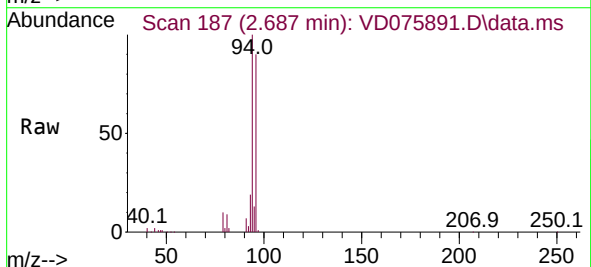
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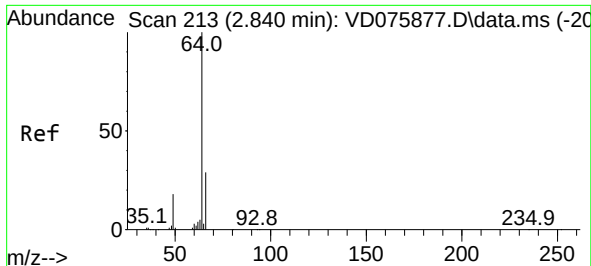
Tgt Ion: 62 Resp: 274778
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.0



#6
 Bromomethane
 Concen: 22.744 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. -0.006 min
 Lab File: VD075891.D
 Acq: 28 Apr 2023 16:50

Tgt Ion: 94 Resp: 149630
 Ion Ratio Lower Upper
 94 100
 96 89.9 65.7 121.9

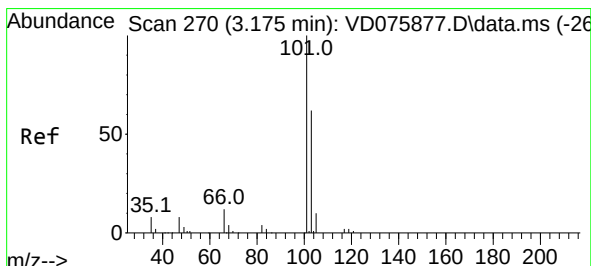
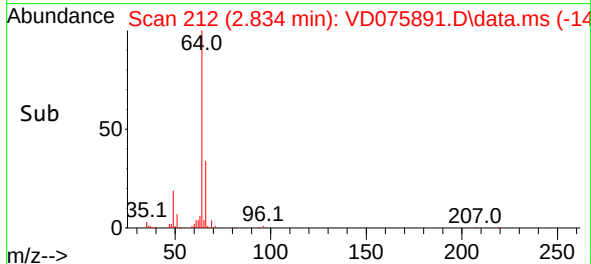
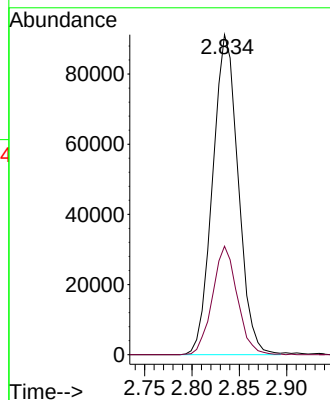
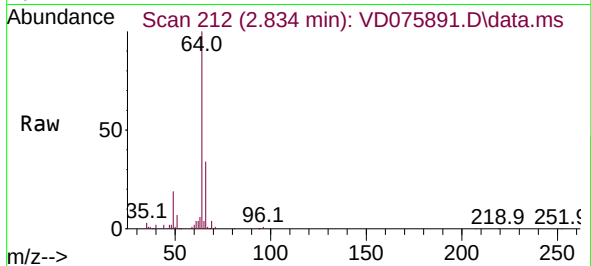




#8
Chloroethane
Concen: 27.069 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

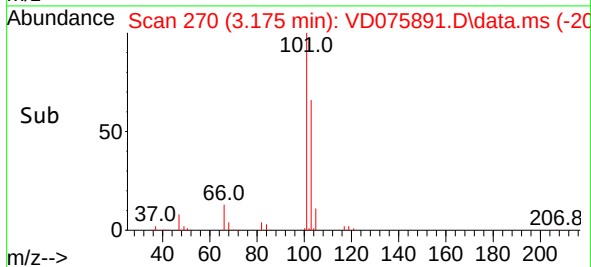
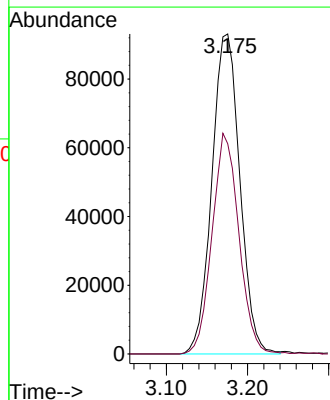
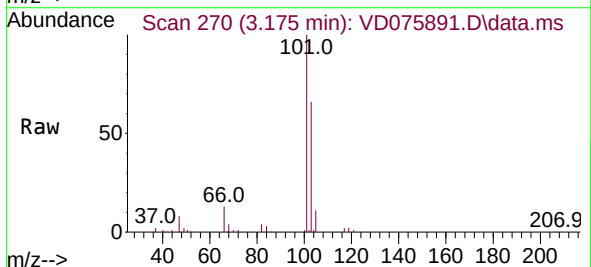
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ClientSampleId :
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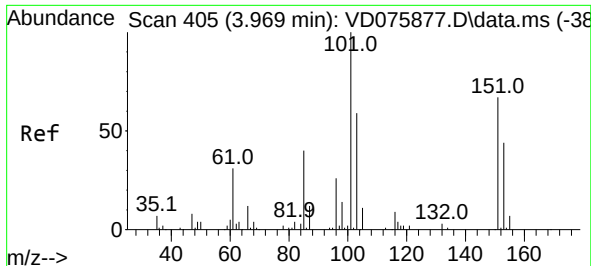
Tgt Ion: 64 Resp: 171404
Ion Ratio Lower Upper
64 100
66 33.9 21.8 40.4



#9
Trichlorofluoromethane
Concen: 28.384 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion:101 Resp: 223295
Ion Ratio Lower Upper
101 100
103 66.0 52.2 78.4

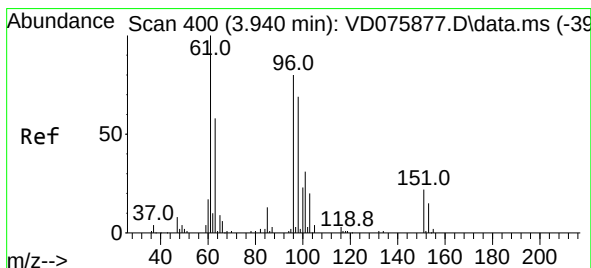
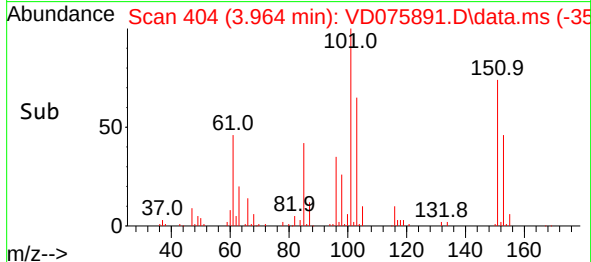
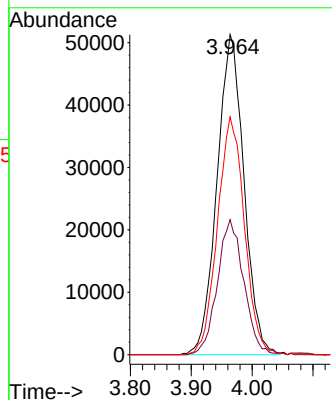
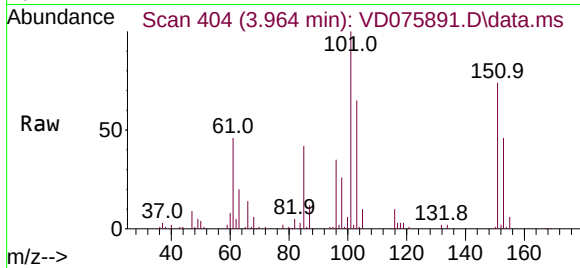




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 29.857 ug/L
 RT: 3.964 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VD075891.D
 Acq: 28 Apr 2023 16:50

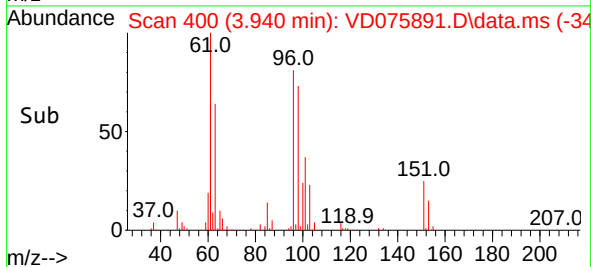
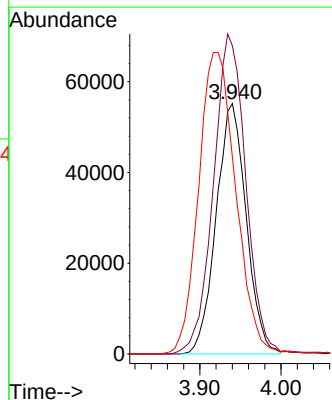
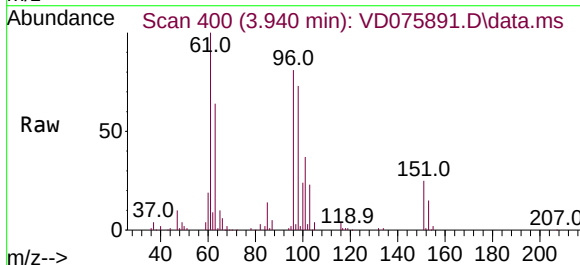
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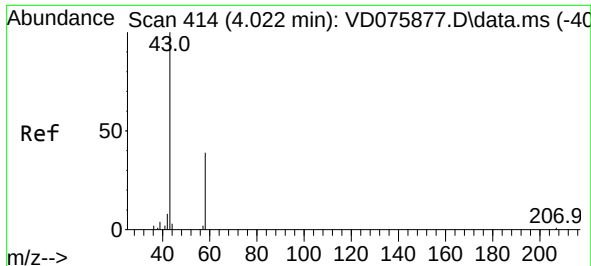
Tgt Ion:101 Resp: 157797
 Ion Ratio Lower Upper
 101 100
 85 41.2 32.9 49.3
 151 74.1 57.2 85.8



#12
 1,1-Dichloroethene
 Concen: 27.668 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD075891.D
 Acq: 28 Apr 2023 16:50

Tgt Ion: 96 Resp: 141813
 Ion Ratio Lower Upper
 96 100
 61 123.1 92.6 172.0
 63 78.8 77.4 143.8





#13

Acetone

Concen: 60.117 ug/L

RT: 4.017 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

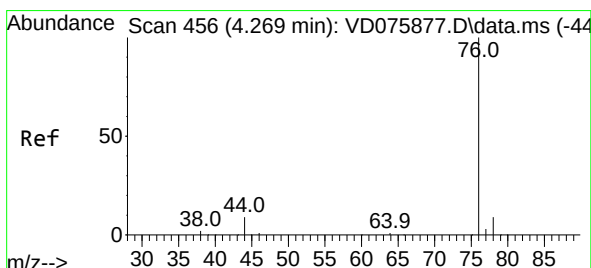
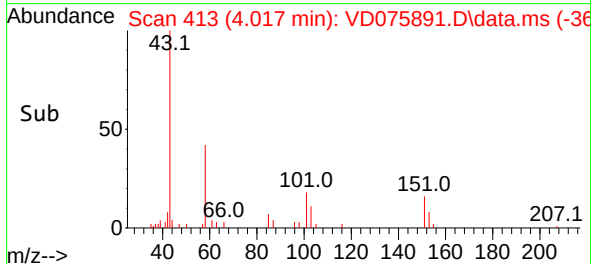
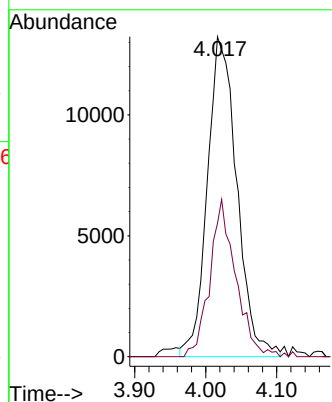
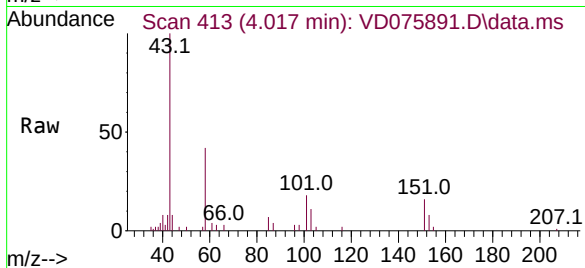
VSTD025138

Tgt Ion: 43 Resp: 38193

Ion Ratio Lower Upper

43 100

58 39.2 0.0 87.4



#14

Carbon disulfide

Concen: 26.677 ug/L

RT: 4.270 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD075891.D

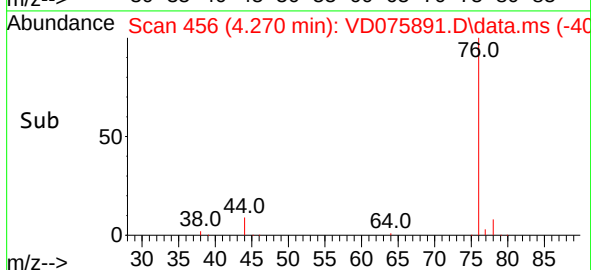
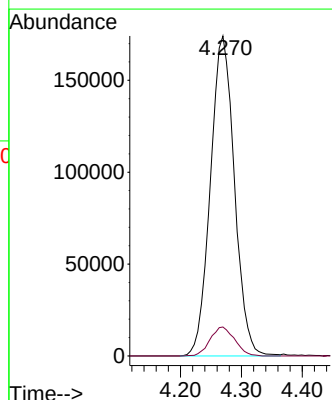
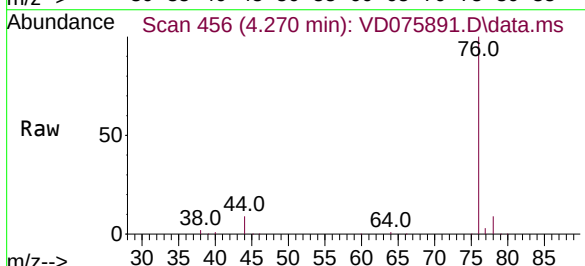
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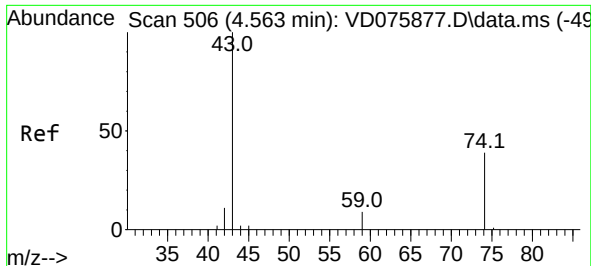
Tgt Ion: 76 Resp: 477584

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

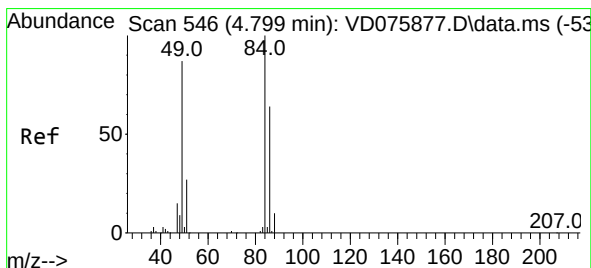
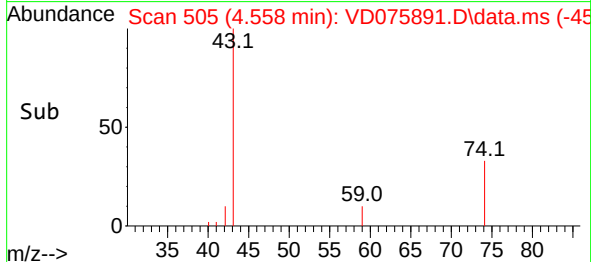
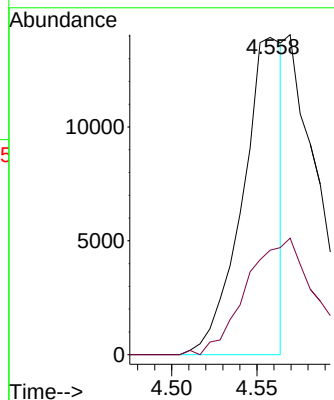
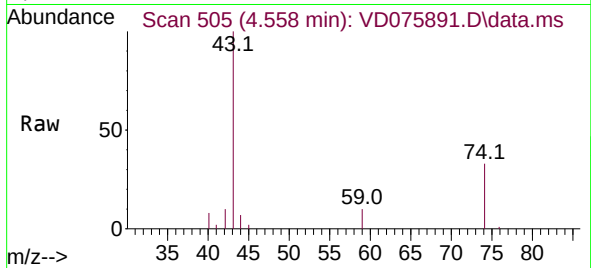




#15
Methyl Acetate
Concen: 16.589 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

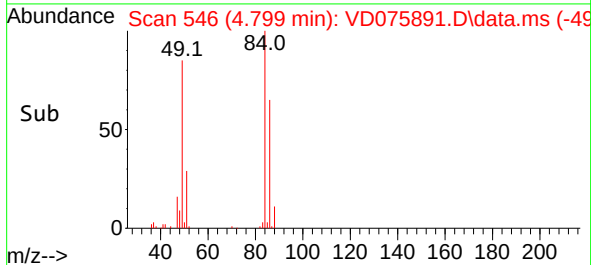
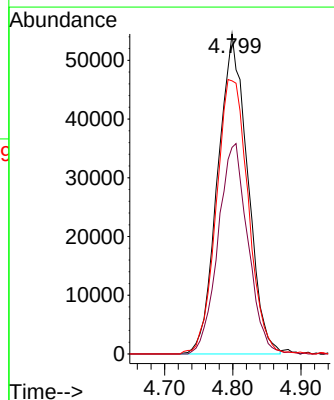
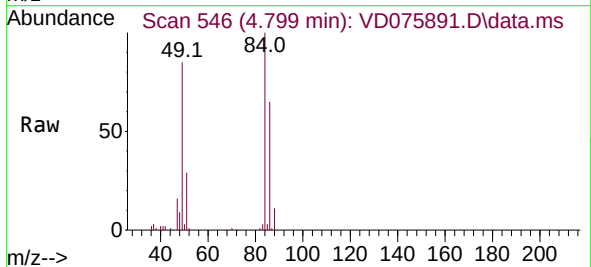
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

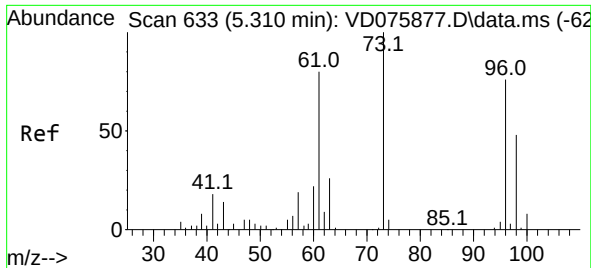
Tgt Ion: 43 Resp: 22841
Ion Ratio Lower Upper
43 100
74 61.8 12.8 19.2#



#16
Methylene chloride
Concen: 21.017 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 84 Resp: 166203
Ion Ratio Lower Upper
84 100
86 64.6 45.8 85.2
49 85.4 60.8 112.8

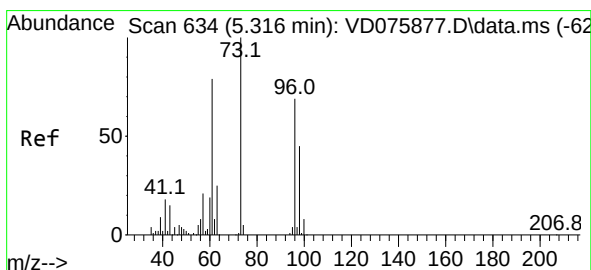
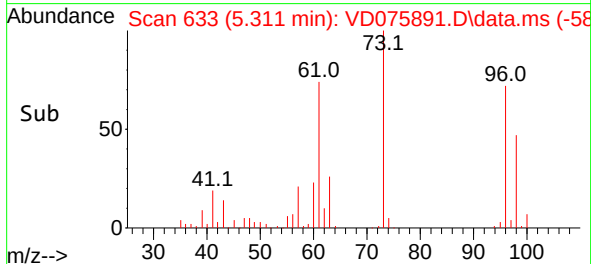
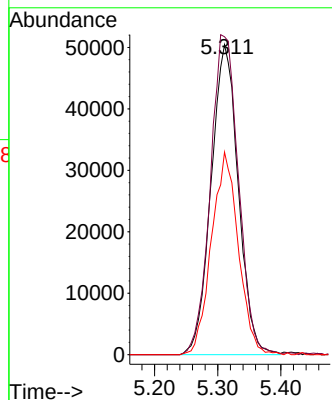
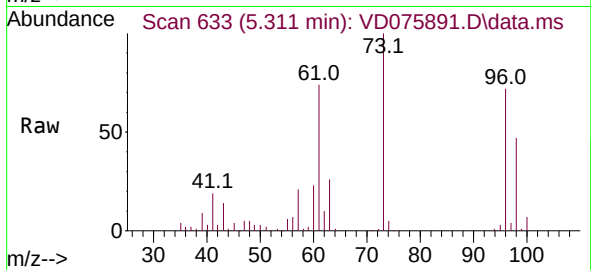




#17
trans-1,2-Dichloroethene
Concen: 26.275 ug/L
RT: 5.311 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

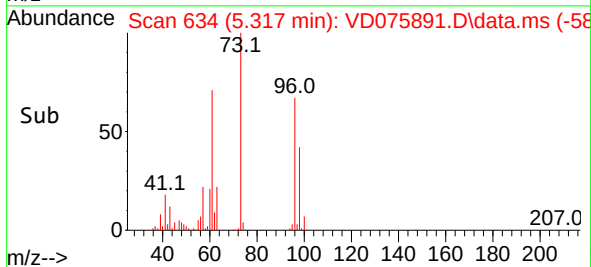
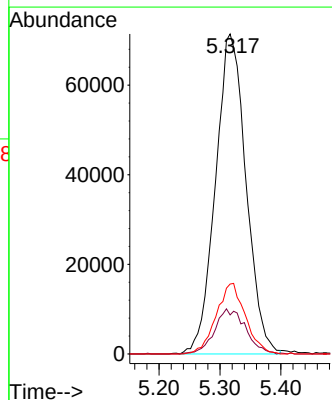
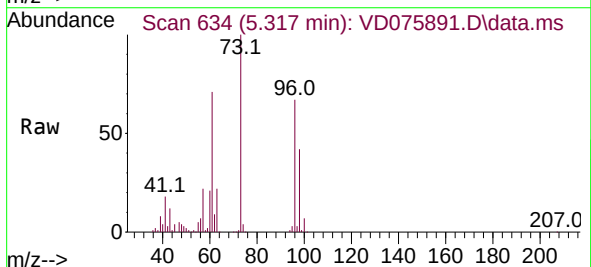
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

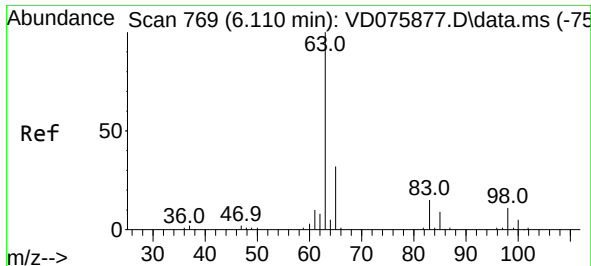
Tgt Ion: 96 Resp: 151009
Ion Ratio Lower Upper
96 100
61 102.6 72.9 135.5
98 65.4 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 27.018 ug/L
RT: 5.317 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 73 Resp: 249077
Ion Ratio Lower Upper
73 100
43 7.6 11.3 16.9#
57 21.1 16.3 24.5





#19

1,1-Dichloroethane

Concen: 27.698 ug/L

RT: 6.111 min Scan# 769

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

VSTD025138

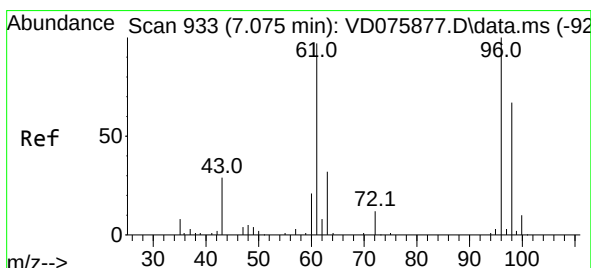
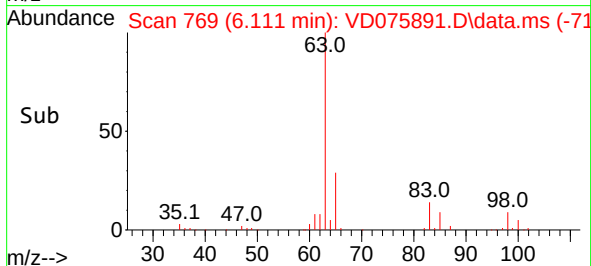
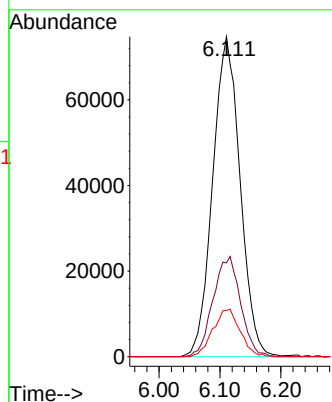
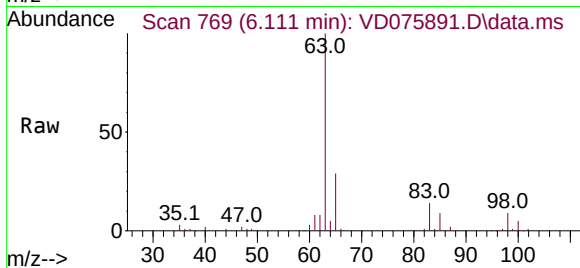
Tgt Ion: 63 Resp: 233200

Ion Ratio Lower Upper

63 100

65 29.3 22.8 42.4

83 14.4 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 25.918 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

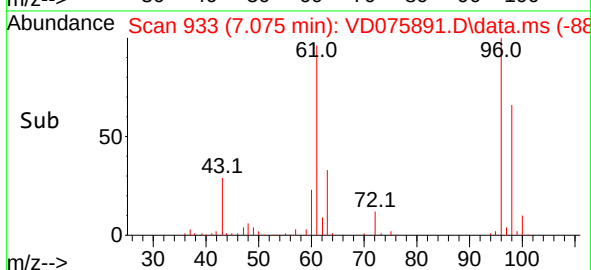
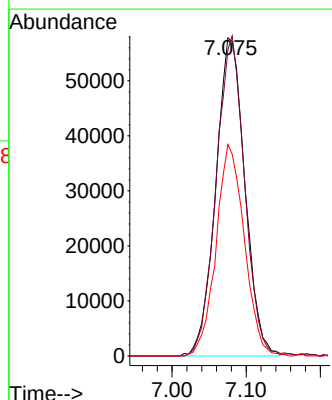
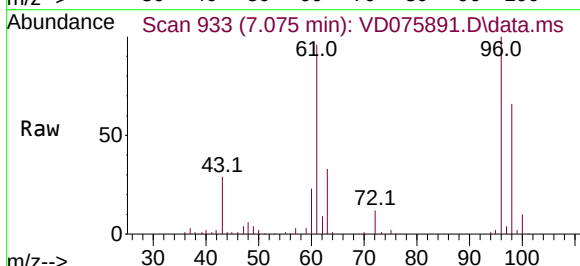
Tgt Ion: 96 Resp: 157502

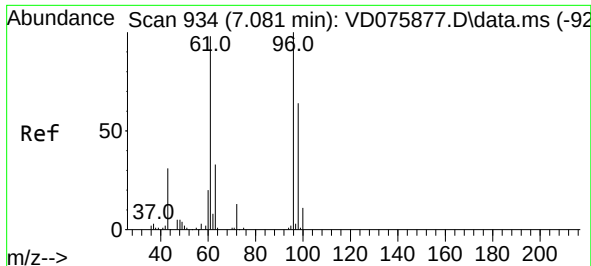
Ion Ratio Lower Upper

96 100

61 96.2 67.5 125.3

98 66.5 47.5 88.1

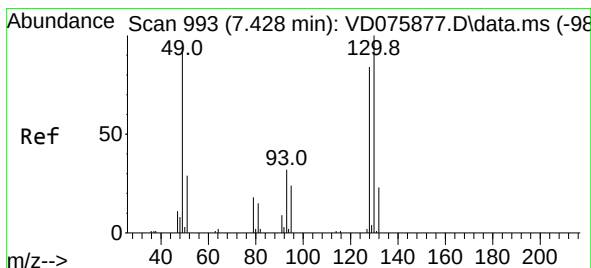
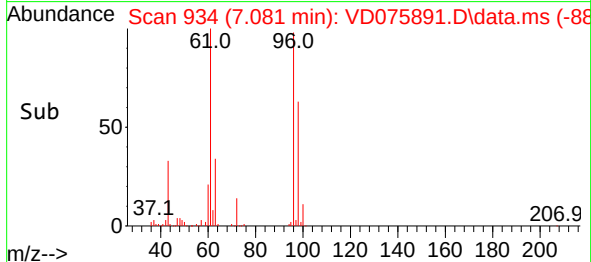
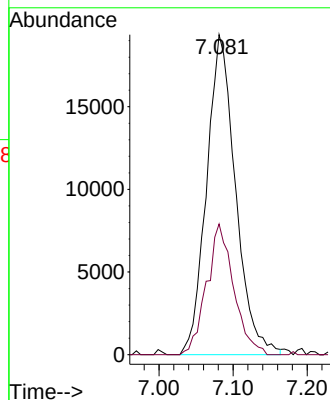
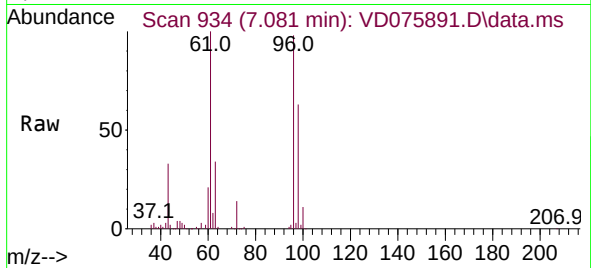




#22
2-Butanone
Concen: 63.455 ug/L
RT: 7.081 min Scan# 913
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

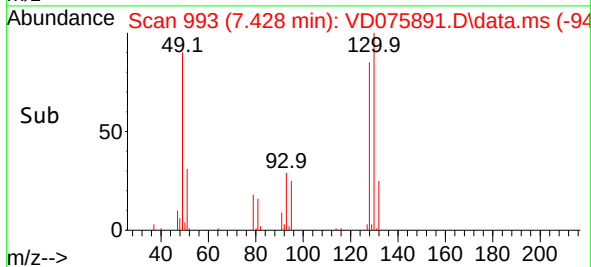
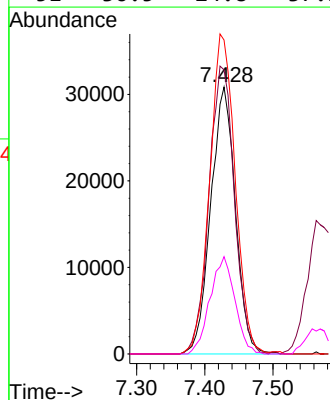
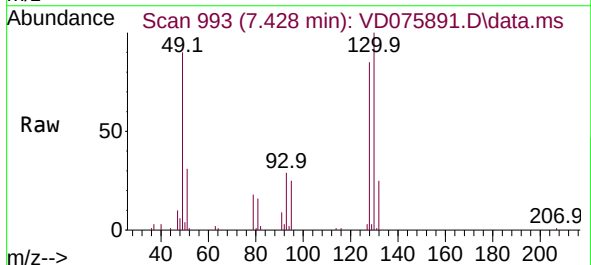
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

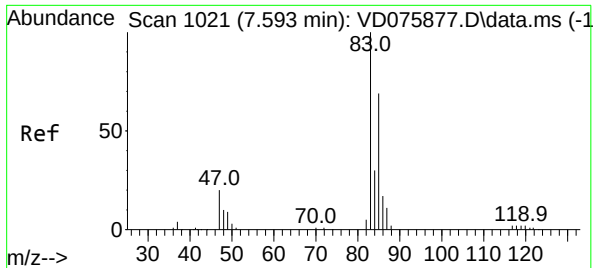
Tgt Ion: 43 Resp: 52556
Ion Ratio Lower Upper
43 100
72 38.1 20.5 61.5



#23
Bromochloromethane
Concen: 27.611 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 128 Resp: 77816
Ion Ratio Lower Upper
128 100
49 106.5 76.4 142.0
130 117.7 93.5 173.7
51 36.5 24.8 37.2





#25

Chloroform

Concen: 26.586 ug/L

RT: 7.593 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

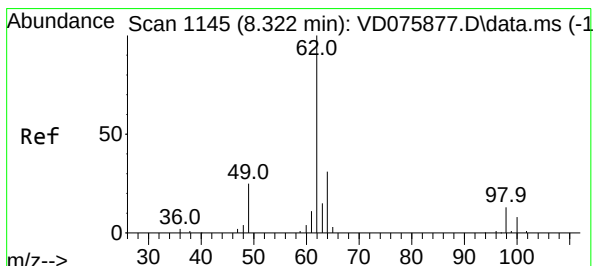
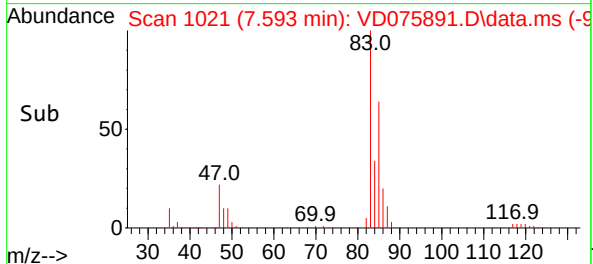
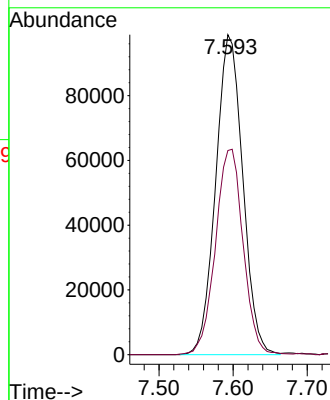
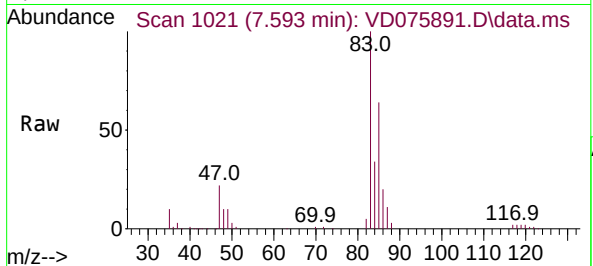
VSTD025138

Tgt Ion: 83 Resp: 250860

Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.5



#27

1,2-Dichloroethane

Concen: 27.227 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VD075891.D

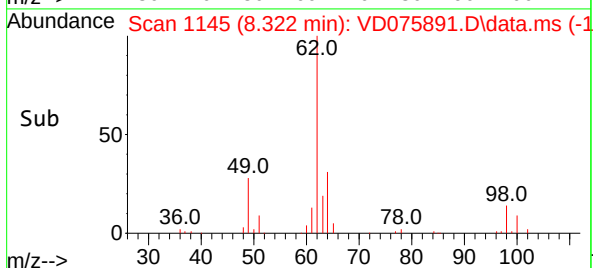
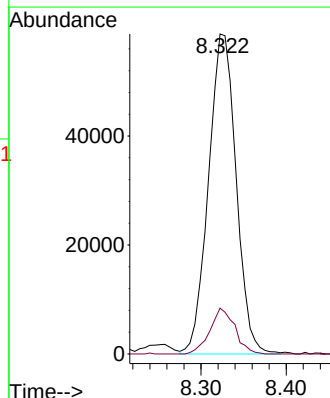
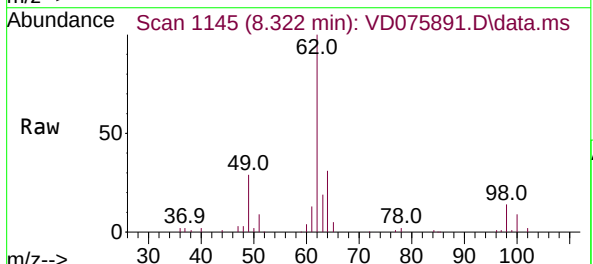
Acq: 28 Apr 2023 16:50

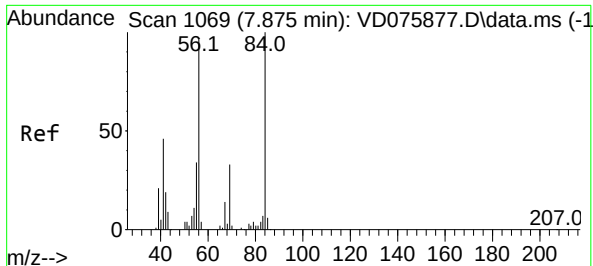
Tgt Ion: 62 Resp: 132612

Ion Ratio Lower Upper

62 100

98 14.3 10.2 15.2





#29

Cyclohexane

Concen: 30.373 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

VSTD025138

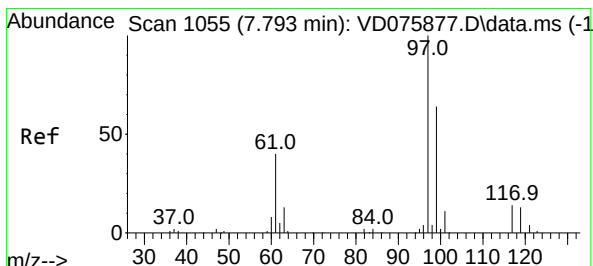
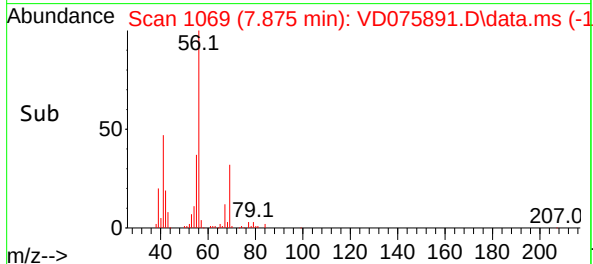
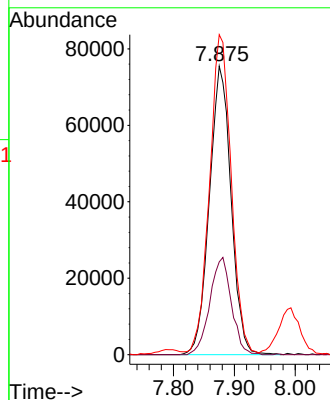
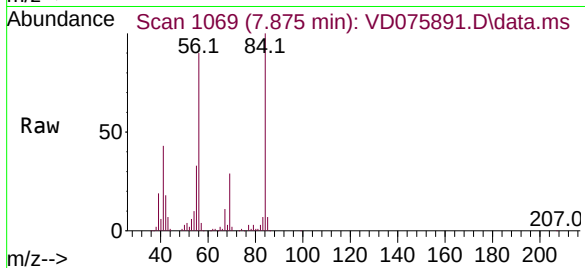
Tgt Ion: 56 Resp: 186594

Ion Ratio Lower Upper

56 100

69 33.5 28.2 42.2

84 111.0 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 27.270 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

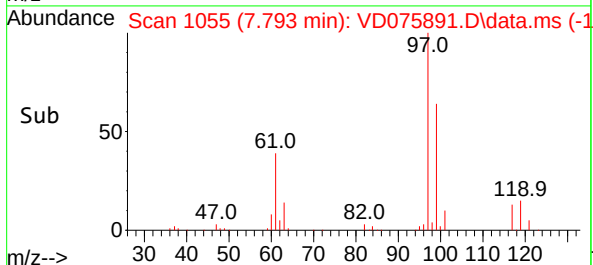
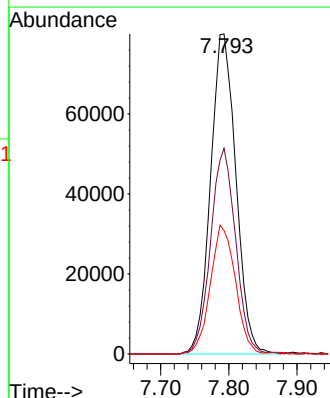
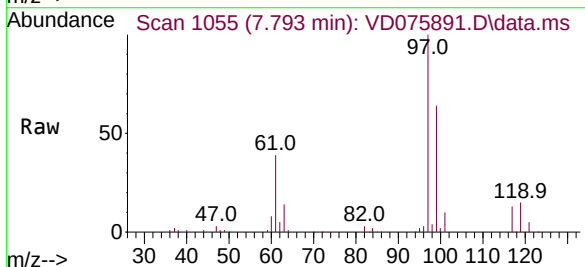
Tgt Ion: 97 Resp: 207056

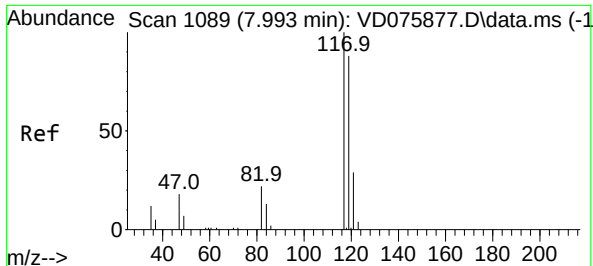
Ion Ratio Lower Upper

97 100

99 63.4 51.5 77.3

61 39.8 32.1 48.1

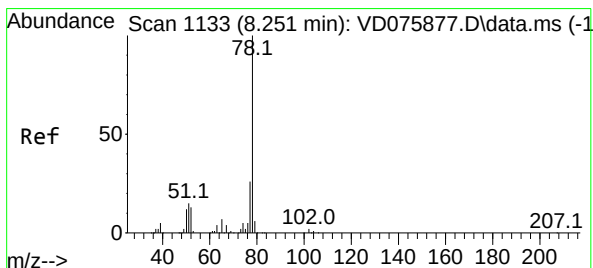
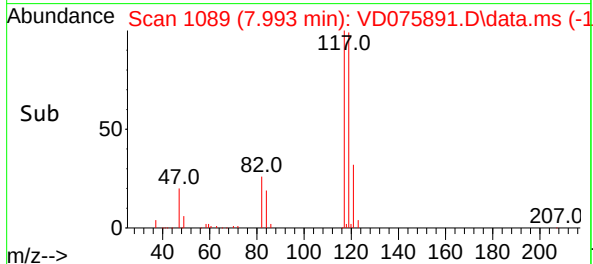
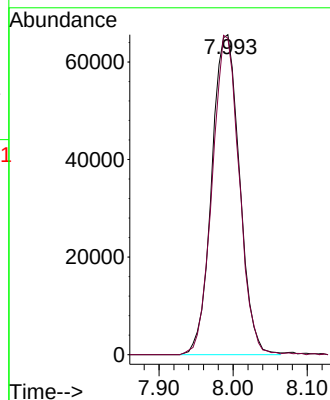
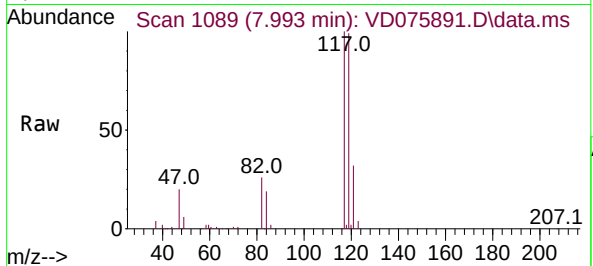




#31
Carbon tetrachloride
Concen: 28.039 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

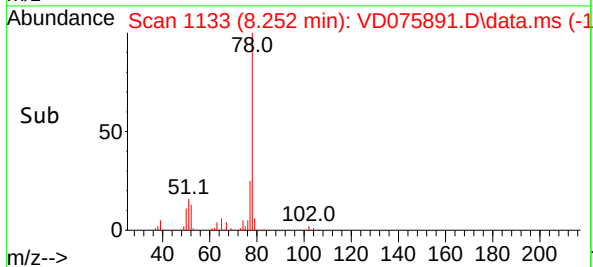
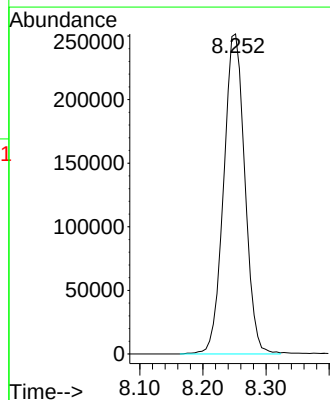
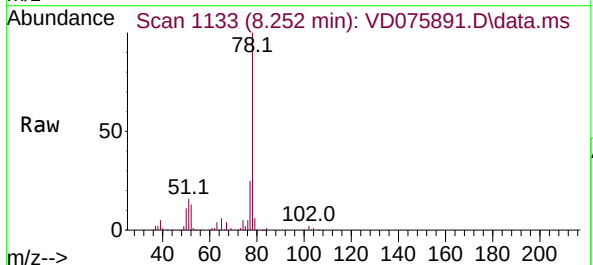
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

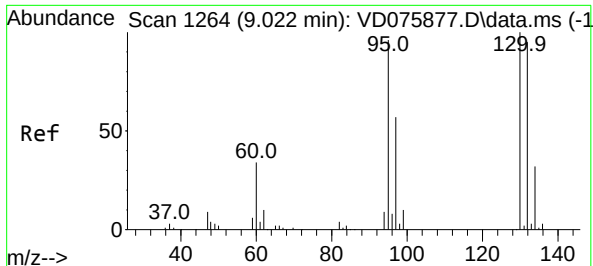
Tgt Ion:117 Resp: 170803
Ion Ratio Lower Upper
117 100
119 96.6 78.2 117.4



#33
Benzene
Concen: 26.970 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 78 Resp: 585443

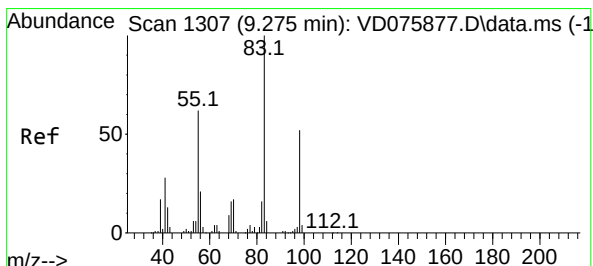
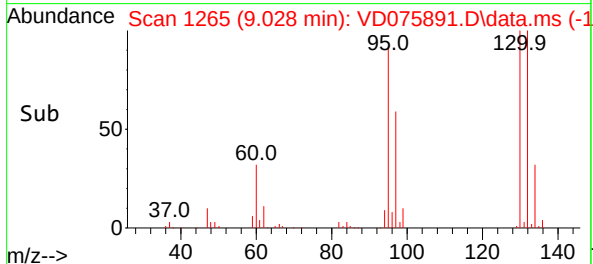
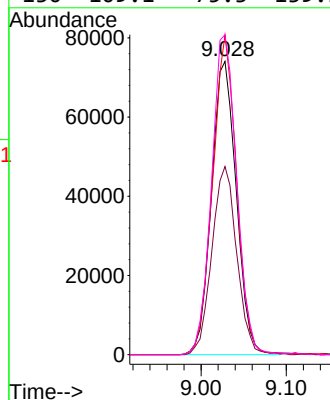
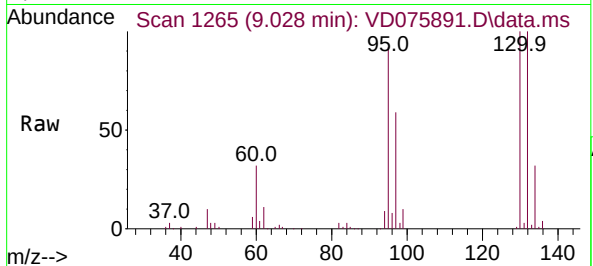




#34
Trichloroethene
Concen: 26.718 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

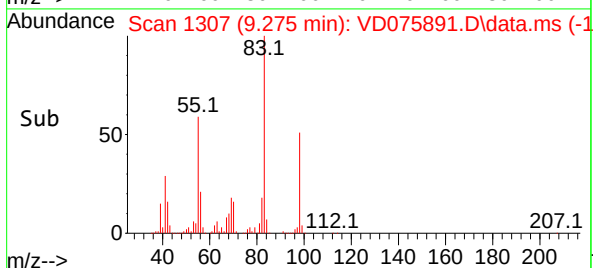
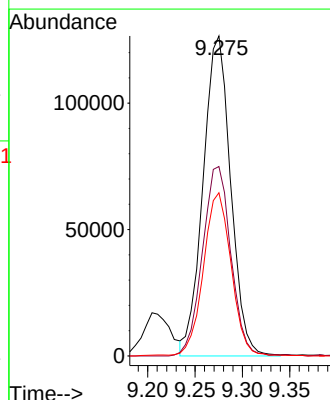
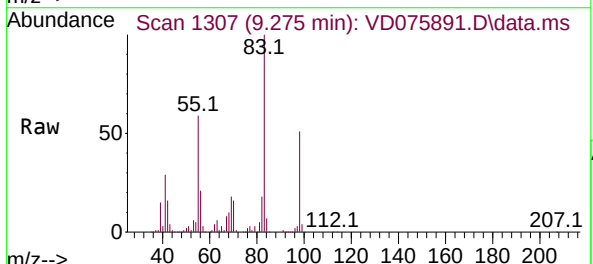
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

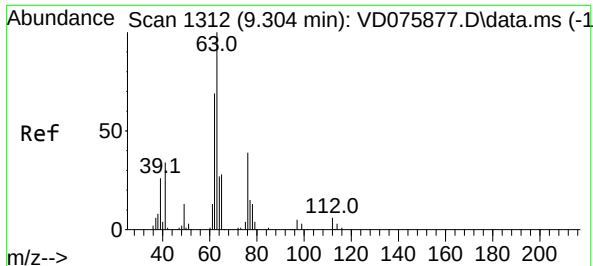
Tgt Ion: 95 Resp: 149985
Ion Ratio Lower Upper
95 100
97 64.1 46.0 85.4
132 108.9 73.3 136.1
130 109.1 75.3 139.9



#35
Methylcyclohexane
Concen: 29.640 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 83 Resp: 256531
Ion Ratio Lower Upper
83 100
55 60.8 48.2 72.2
98 51.2 40.8 61.2





#37

1,2-Dichloropropane

Concen: 27.806 ug/L

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

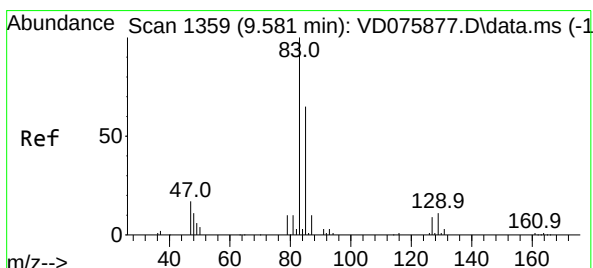
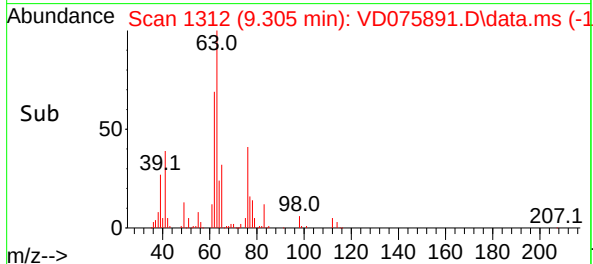
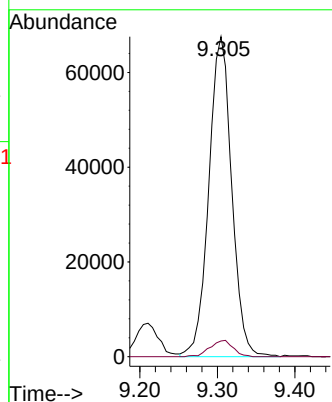
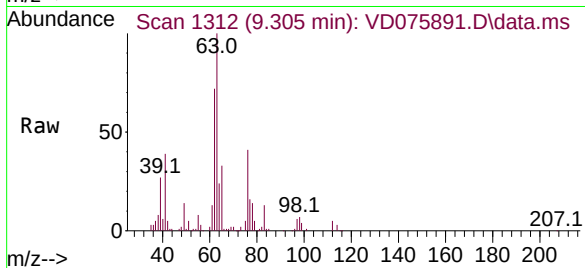
VSTD025138

Tgt Ion: 63 Resp: 138650

Ion Ratio Lower Upper

63 100

112 5.0 4.0 6.0



#38

Bromodichloromethane

Concen: 26.195 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.006 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

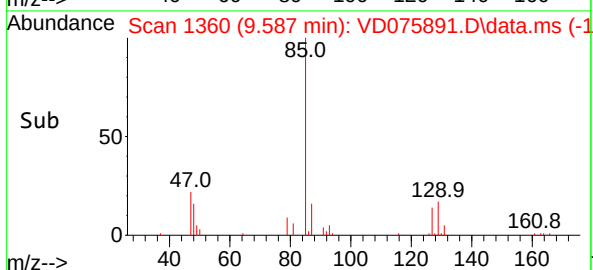
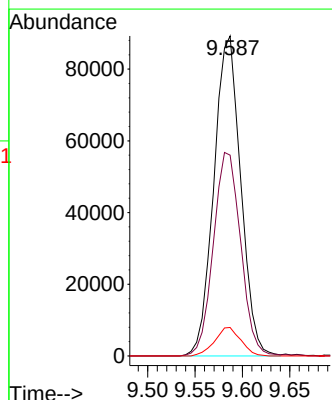
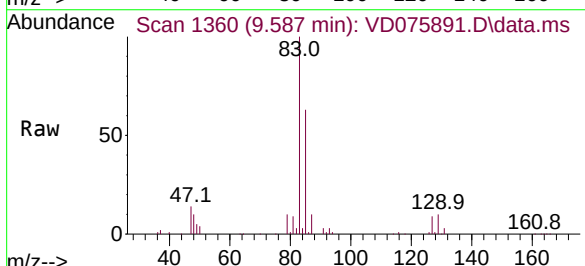
Tgt Ion: 83 Resp: 176116

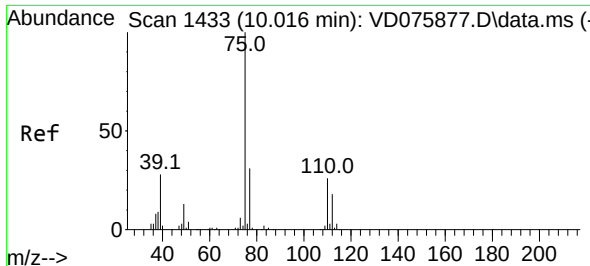
Ion Ratio Lower Upper

83 100

85 62.7 44.2 82.2

127 8.9 6.3 9.5

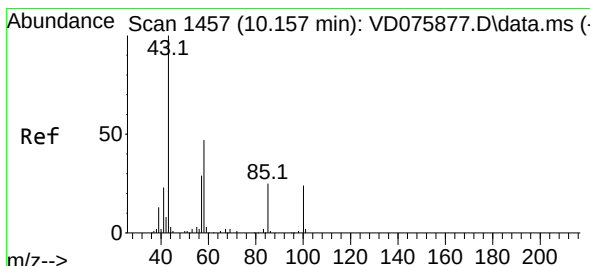
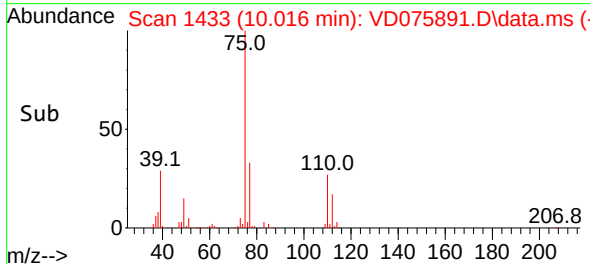
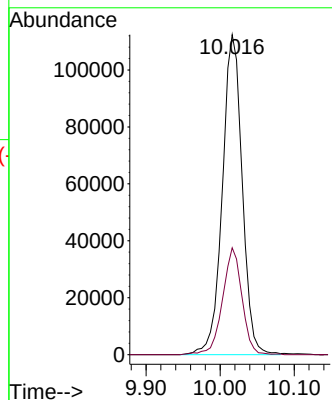
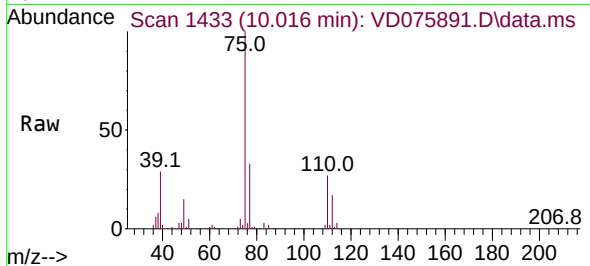




#39
cis-1,3-Dichloropropene
Concen: 26.359 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

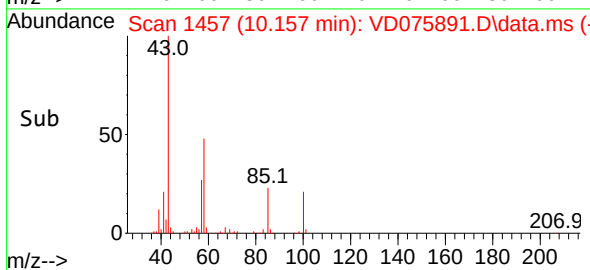
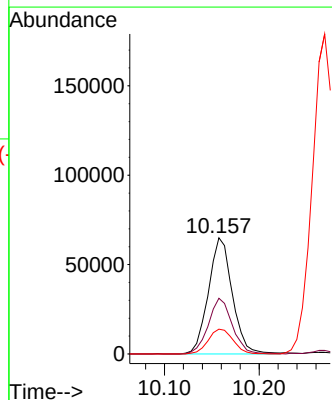
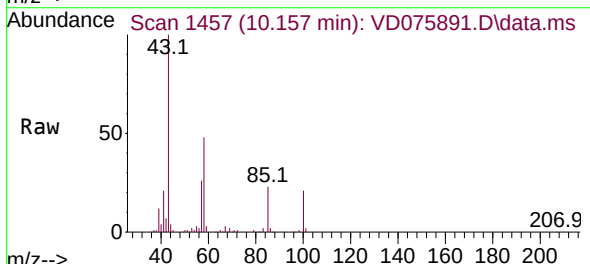
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

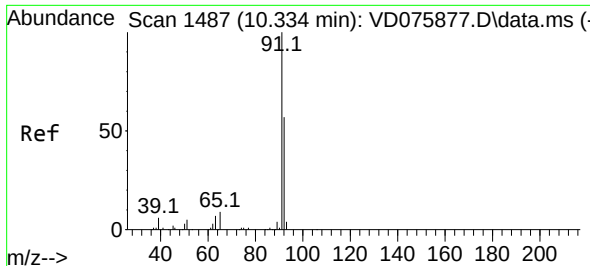
Tgt Ion: 75 Resp: 209030
Ion Ratio Lower Upper
75 100
77 33.4 23.4 43.6



#40
4-Methyl-2-pentanone
Concen: 62.818 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 43 Resp: 114203
Ion Ratio Lower Upper
43 100
58 47.9 39.1 58.7
100 22.2 19.4 29.0





#42

Toluene

Concen: 27.714 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

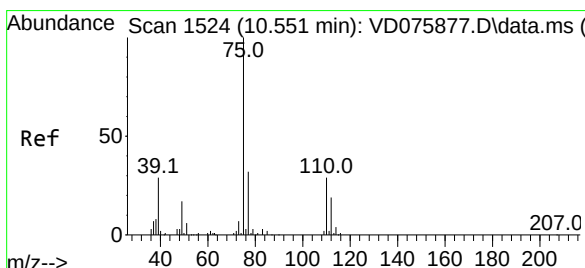
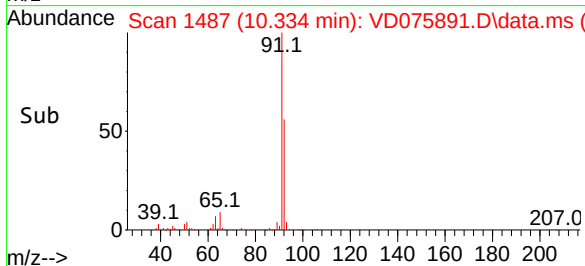
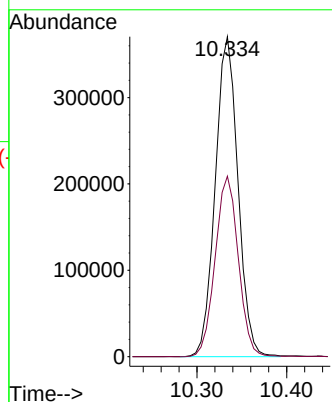
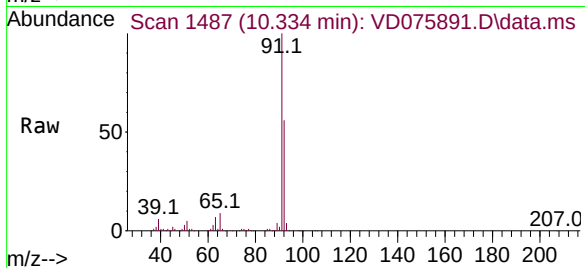
VSTD025138

Tgt Ion: 91 Resp: 651026

Ion Ratio Lower Upper

91 100

92 56.4 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 27.497 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD075891.D

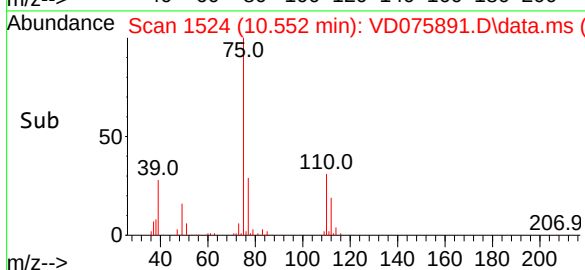
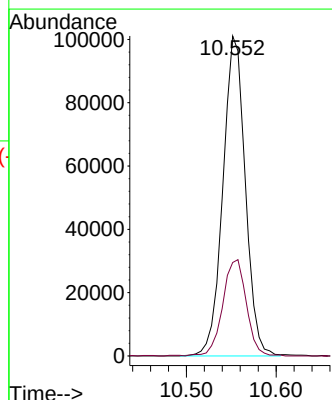
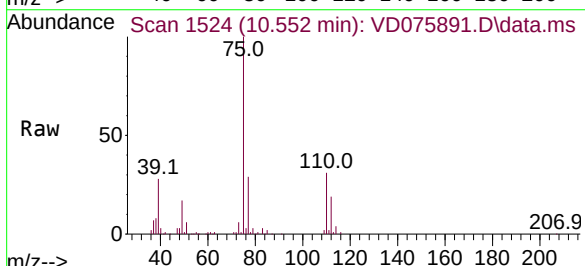
Acq: 28 Apr 2023 16:50

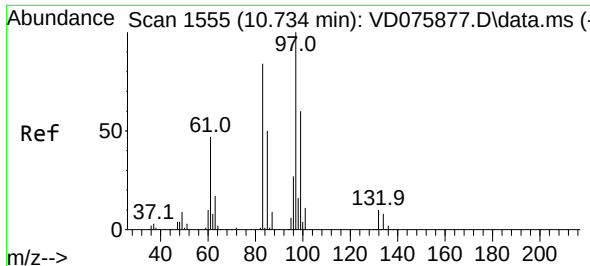
Tgt Ion: 75 Resp: 175172

Ion Ratio Lower Upper

75 100

77 29.2 22.0 41.0

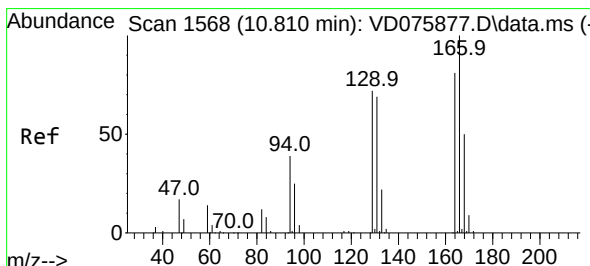
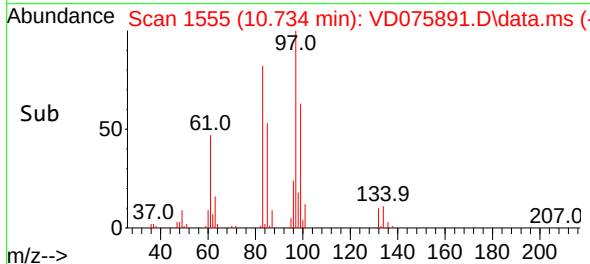
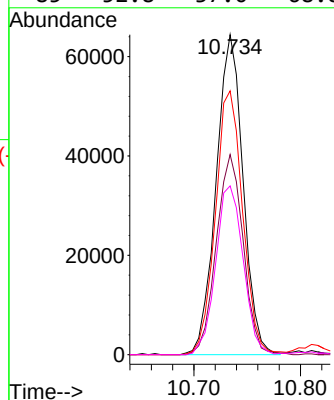
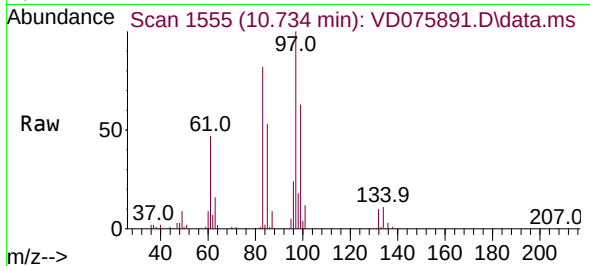




#45
1,1,2-Trichloroethane
Concen: 26.593 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

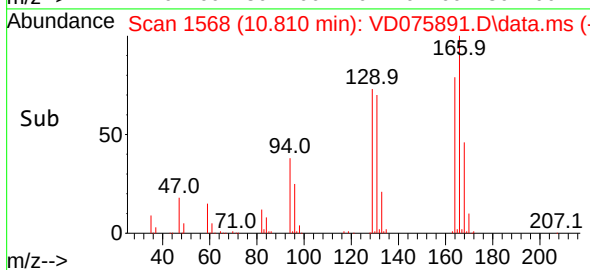
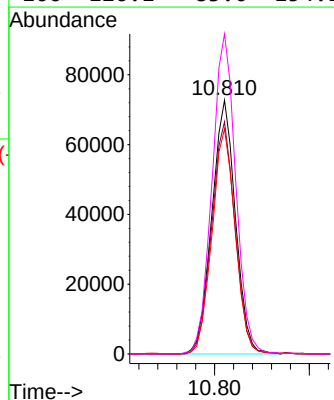
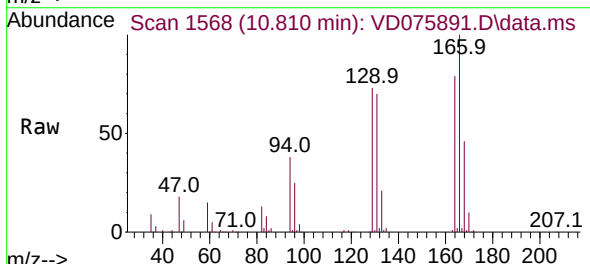
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

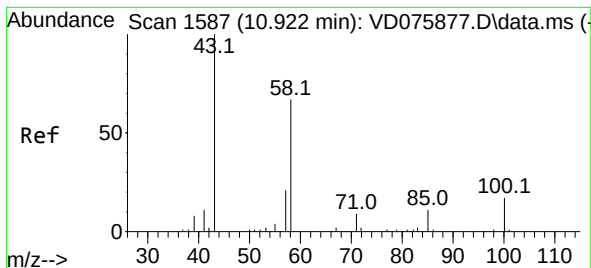
Tgt Ion:	97	Resp:	112812
Ion	Ratio	Lower	Upper
97	100		
99	62.6	42.2	78.4
83	82.5	54.8	101.8
85	52.8	37.0	68.8



#46
Tetrachloroethene
Concen: 27.325 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion:	164	Resp:	125813
Ion	Ratio	Lower	Upper
164	100		
129	91.5	60.3	112.1
131	88.7	58.9	109.3
166	126.1	83.0	154.1





#48

2-Hexanone

Concen: 65.231 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

VSTD025138

Tgt Ion: 43 Resp: 83604

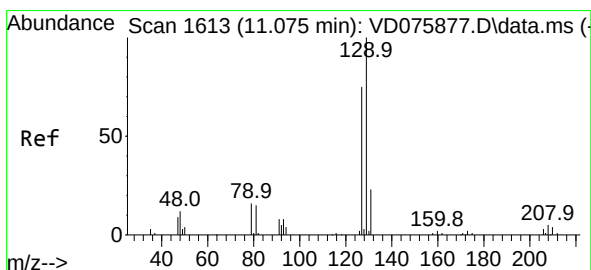
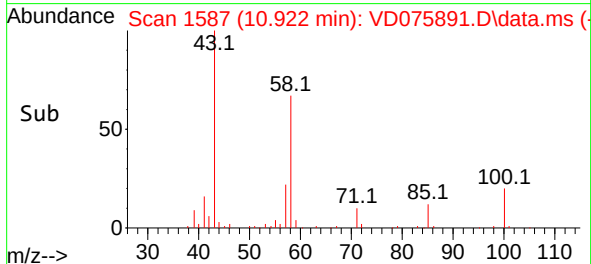
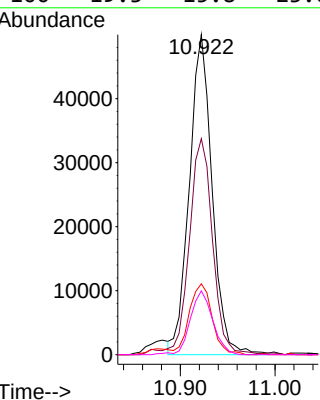
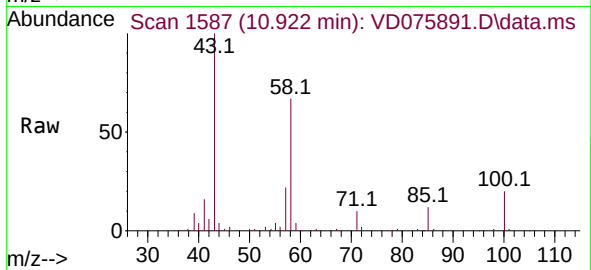
Ion Ratio Lower Upper

43 100

58 68.6 59.7 89.5

57 20.7 17.9 26.9

100 19.3 15.8 23.6



#49

Dibromochloromethane

Concen: 27.719 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075891.D

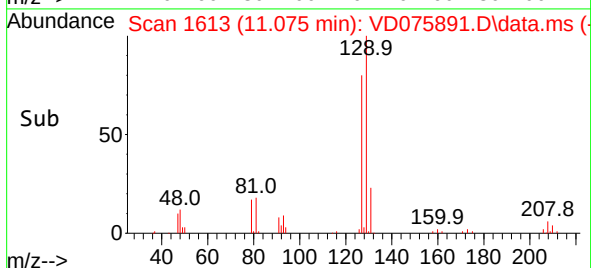
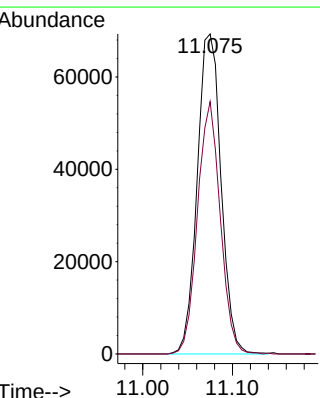
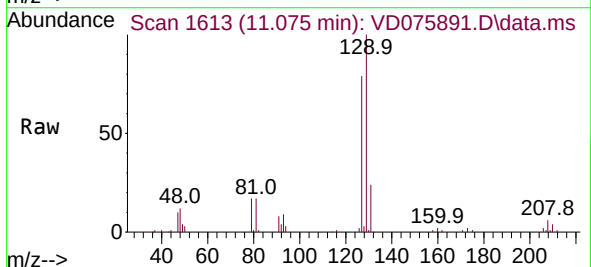
Acq: 28 Apr 2023 16:50

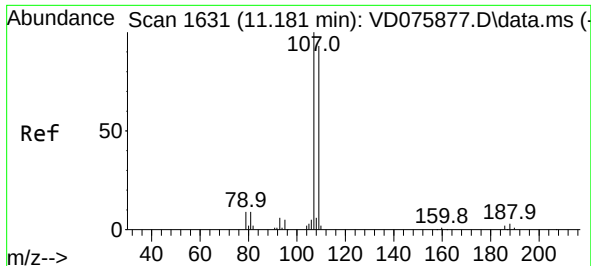
Tgt Ion:129 Resp: 128011

Ion Ratio Lower Upper

129 100

127 78.8 55.6 103.4





#50

1,2-Dibromoethane

Concen: 27.770 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

VSTD025138

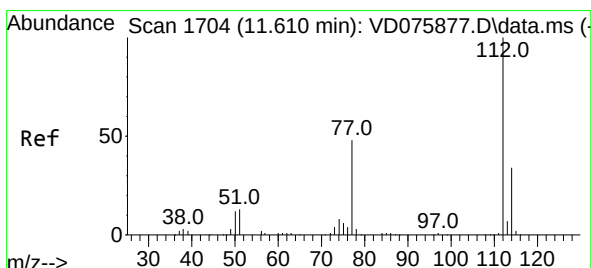
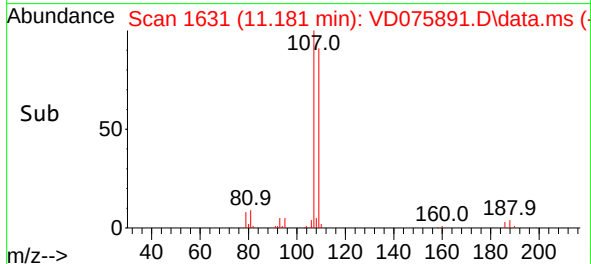
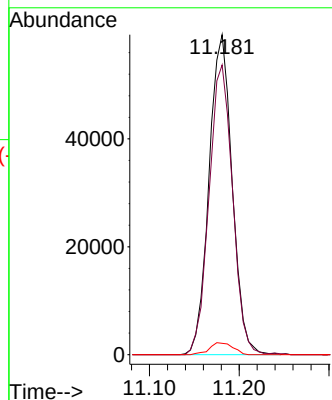
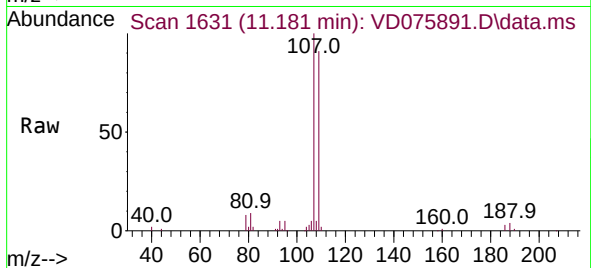
Tgt Ion:107 Resp: 106208

Ion Ratio Lower Upper

107 100

109 90.6 67.6 125.6

188 3.6 3.0 4.6



#51

Chlorobenzene

Concen: 26.710 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

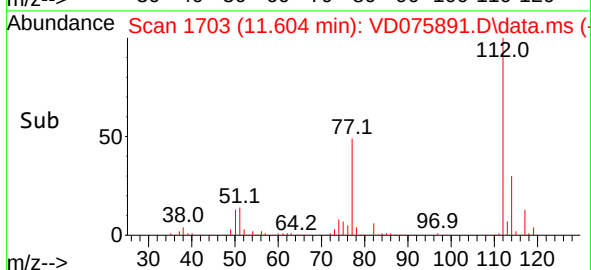
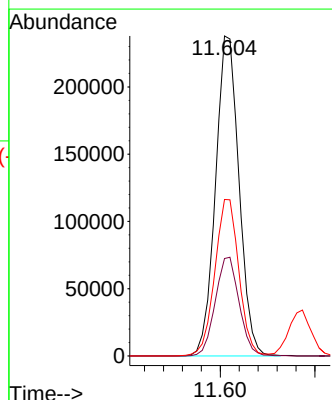
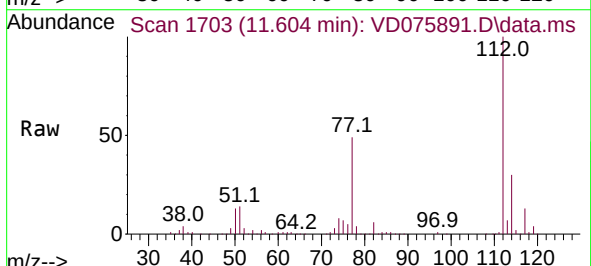
Tgt Ion:112 Resp: 410465

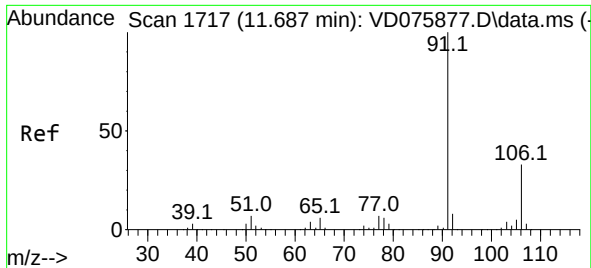
Ion Ratio Lower Upper

112 100

114 30.5 23.0 42.8

77 48.9 39.7 59.5

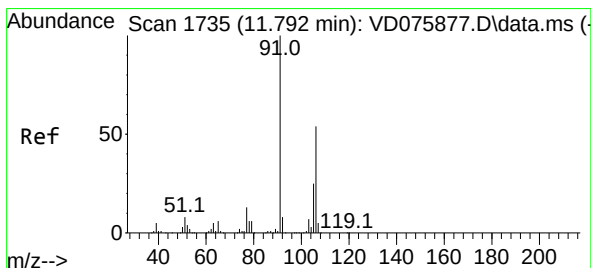
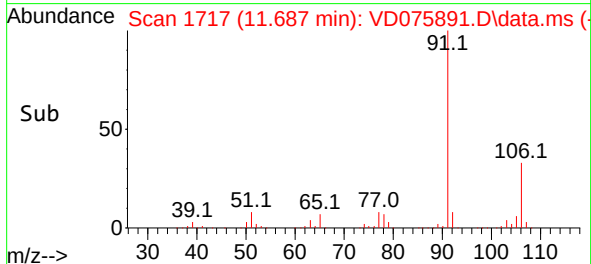
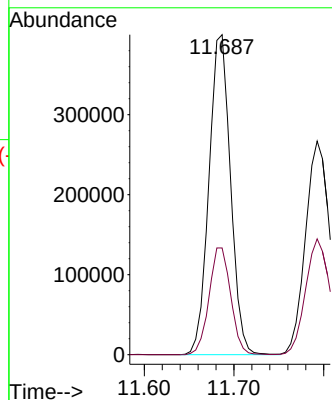
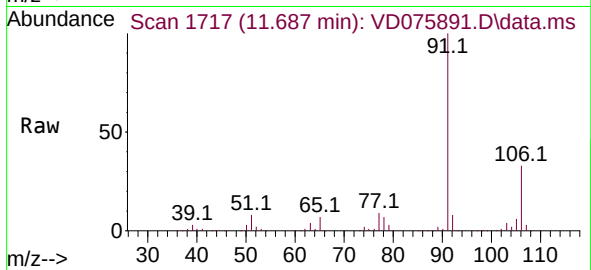




#52
Ethylbenzene
Concen: 27.715 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

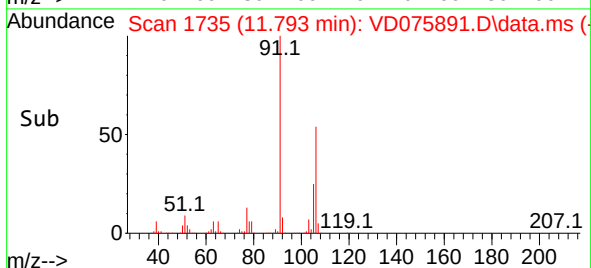
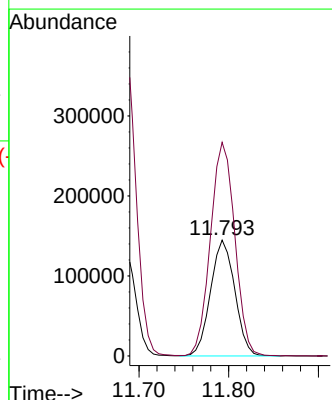
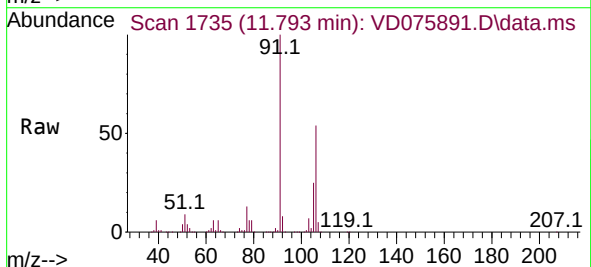
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

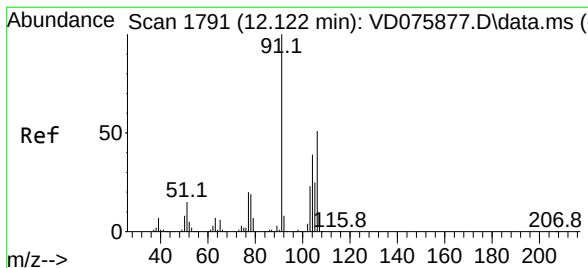
Tgt Ion: 91 Resp: 667613
Ion Ratio Lower Upper
91 100
106 33.4 23.7 43.9



#53
m,p-Xylene
Concen: 28.375 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 106 Resp: 272165
Ion Ratio Lower Upper
106 100
91 184.3 130.9 243.1

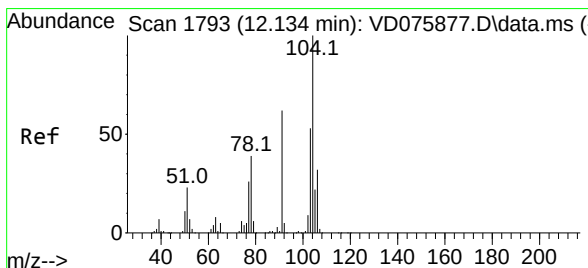
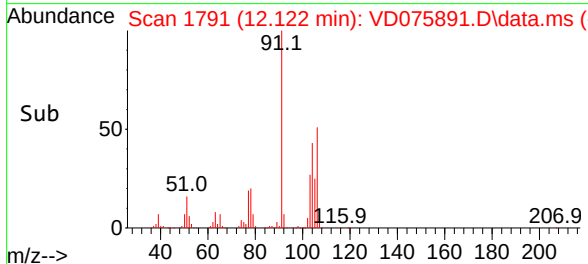
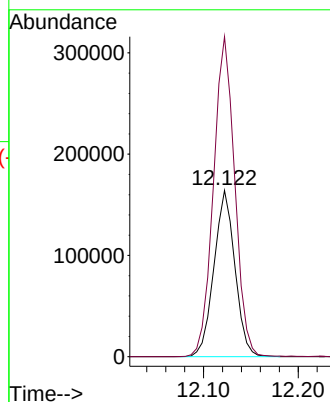
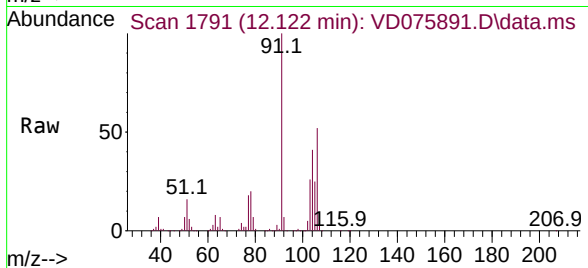




#54
o-Xylene
Concen: 27.721 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

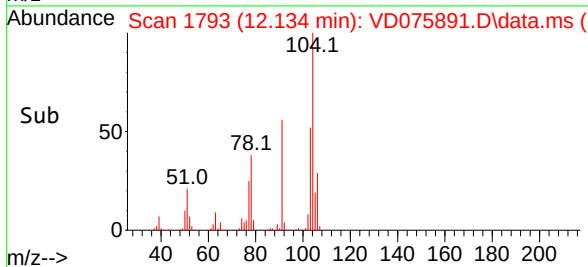
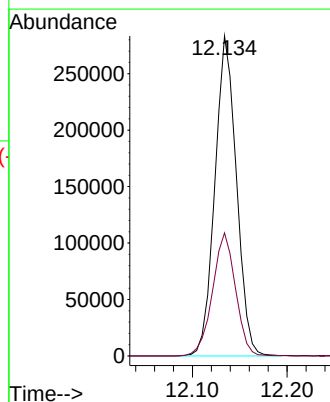
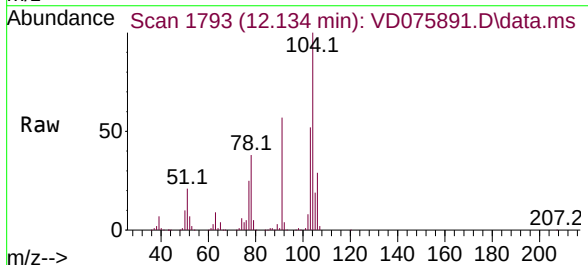
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

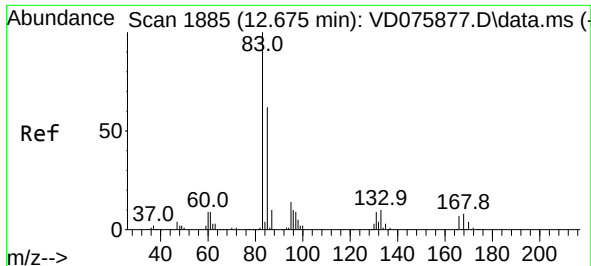
Tgt Ion:106 Resp: 252551
Ion Ratio Lower Upper
106 100
91 192.4 139.8 259.6



#55
Styrene
Concen: 28.337 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion:104 Resp: 449325
Ion Ratio Lower Upper
104 100
78 38.5 26.2 48.6

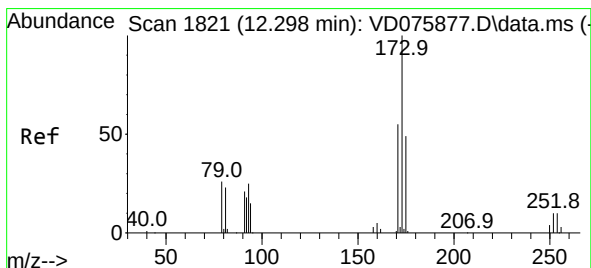
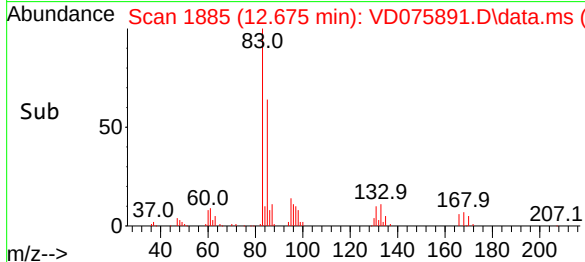
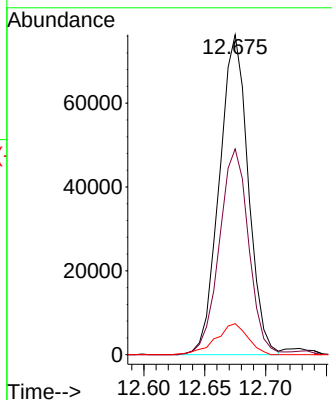
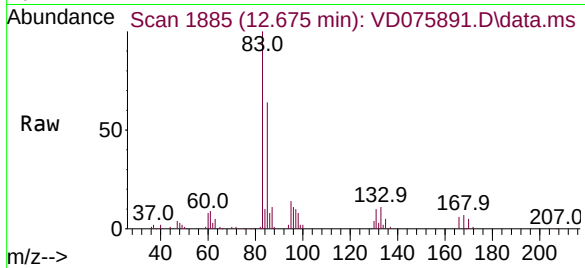




#57
1,1,2,2-Tetrachloroethane
Concen: 29.228 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

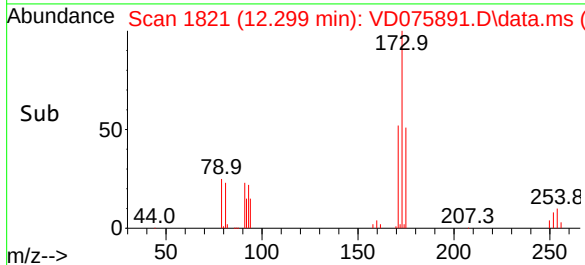
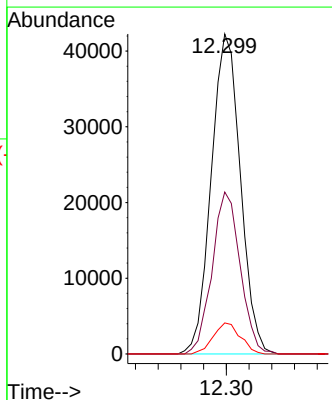
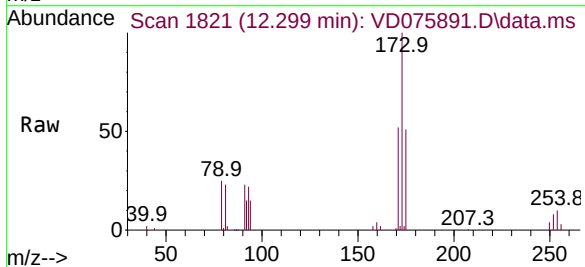
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

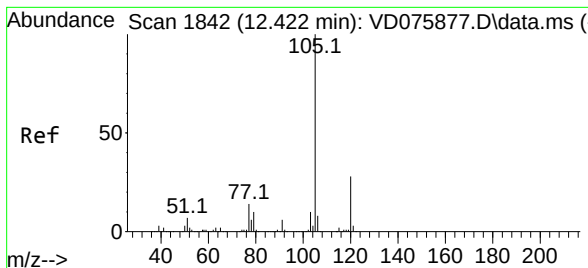
Tgt Ion: 83 Resp: 126156
Ion Ratio Lower Upper
83 100
85 64.3 45.1 83.7
131 9.7 7.0 10.6



#59
Bromoform
Concen: 27.259 ug/L
RT: 12.299 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 173 Resp: 75291
Ion Ratio Lower Upper
173 100
175 48.8 39.4 59.0
254 9.1 7.4 11.2





#60

Isopropylbenzene

Concen: 27.275 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

Instrument :

MSVOA_D

ClientSampleId :

VSTD025138

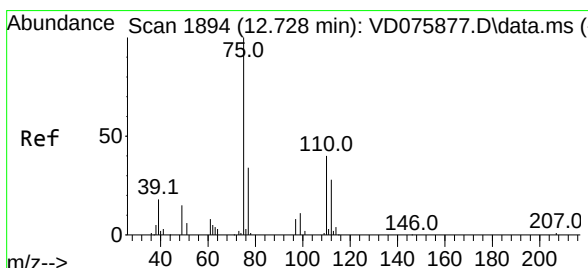
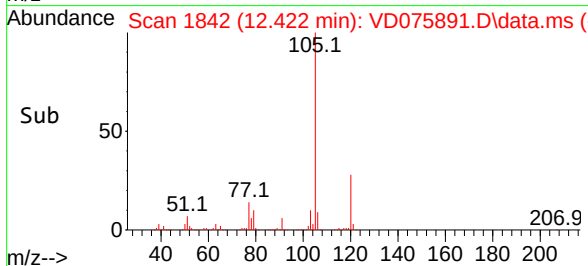
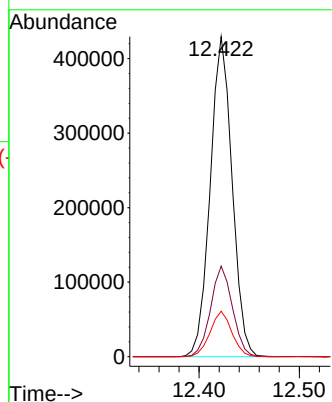
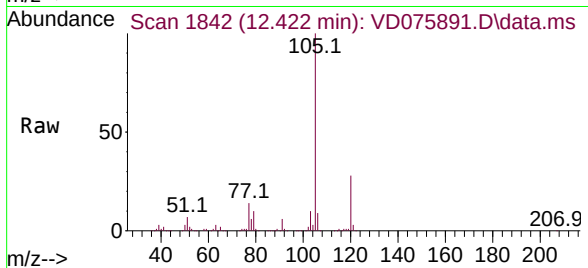
Tgt Ion:105 Resp: 651801

Ion Ratio Lower Upper

105 100

120 28.2 22.7 34.1

77 14.1 10.9 16.3



#61

1,2,3-Trichloropropane

Concen: 27.476 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075891.D

Acq: 28 Apr 2023 16:50

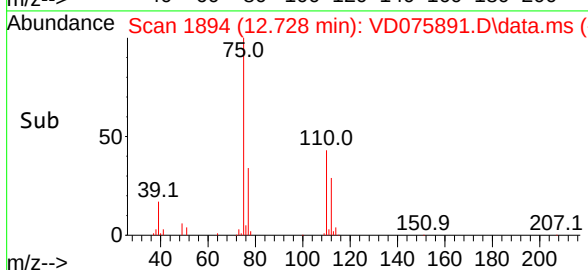
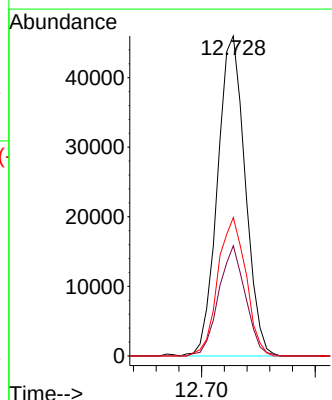
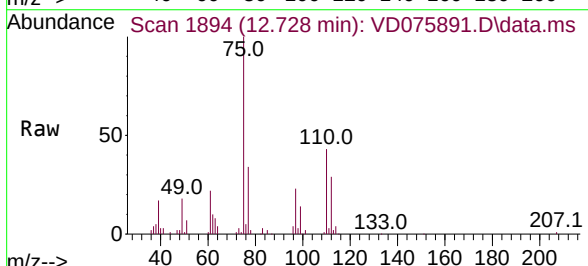
Tgt Ion: 75 Resp: 77788

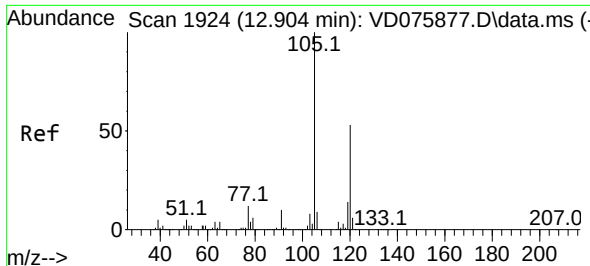
Ion Ratio Lower Upper

75 100

77 33.3 26.6 39.8

110 43.8 33.5 50.3

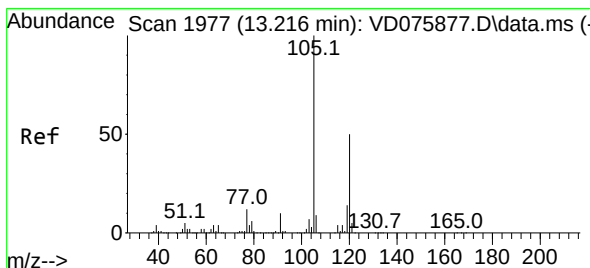
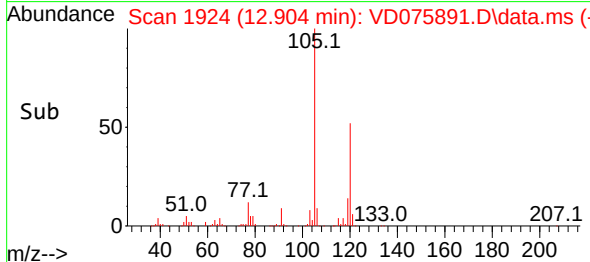
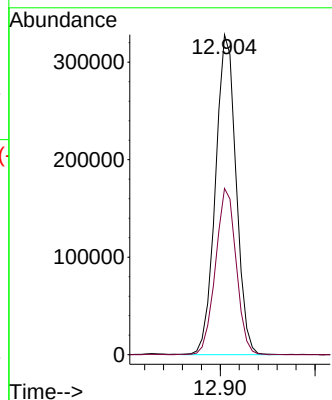
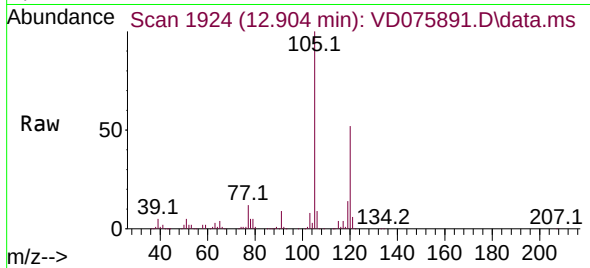




#62
1,3,5-Trimethylbenzene
Concen: 27.871 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

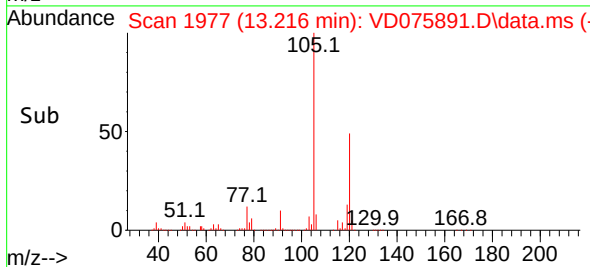
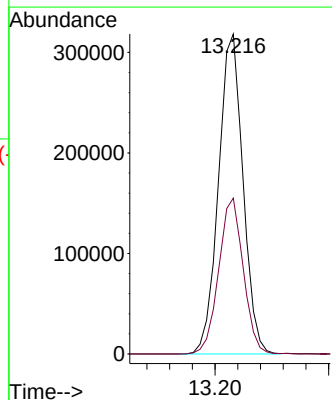
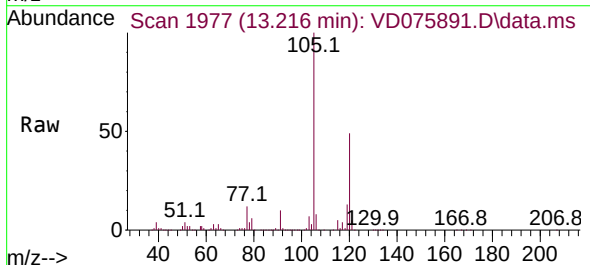
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

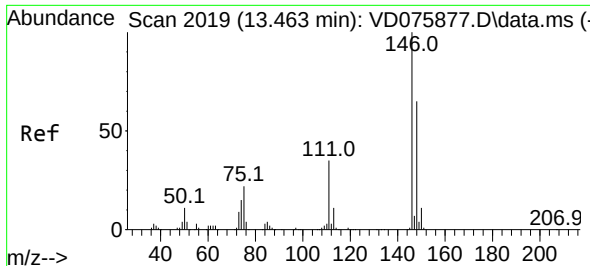
Tgt Ion:105 Resp: 496647
Ion Ratio Lower Upper
105 100
120 52.0 42.0 63.0



#63
1,2,4-Trimethylbenzene
Concen: 27.736 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion:105 Resp: 476443
Ion Ratio Lower Upper
105 100
120 48.8 39.0 58.6

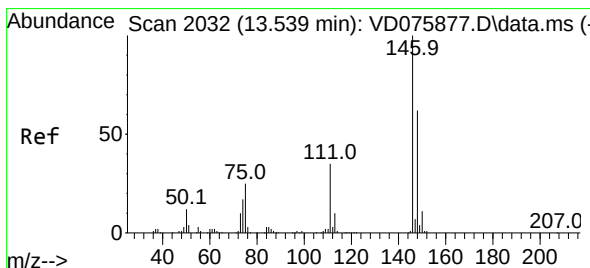
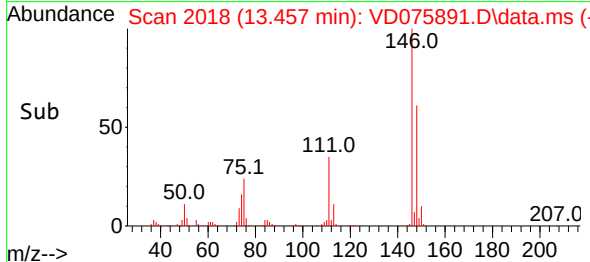
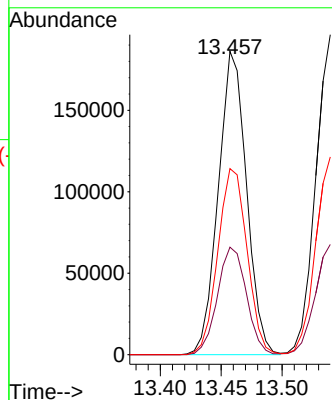
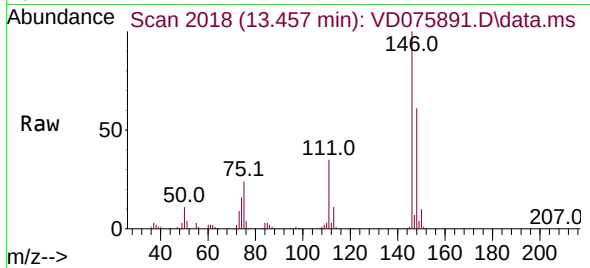




#64
1,3-Dichlorobenzene
Concen: 26.262 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

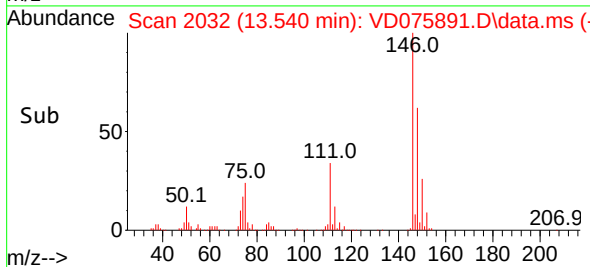
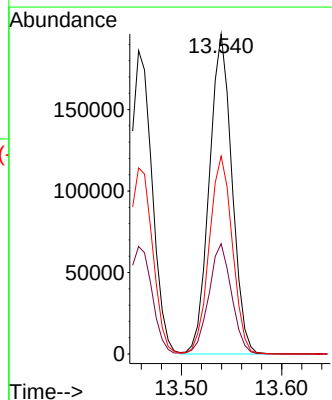
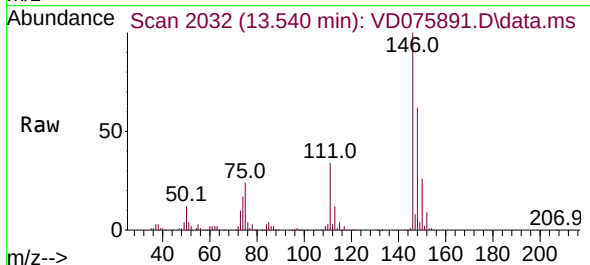
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

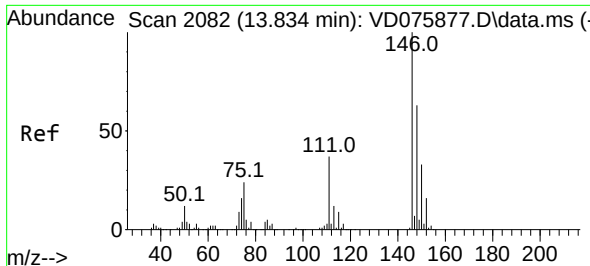
Tgt Ion:146 Resp: 300280
Ion Ratio Lower Upper
146 100
111 35.5 26.5 49.1
148 61.4 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 25.716 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion:146 Resp: 308605
Ion Ratio Lower Upper
146 100
111 34.5 24.6 45.8
148 61.8 44.4 82.4

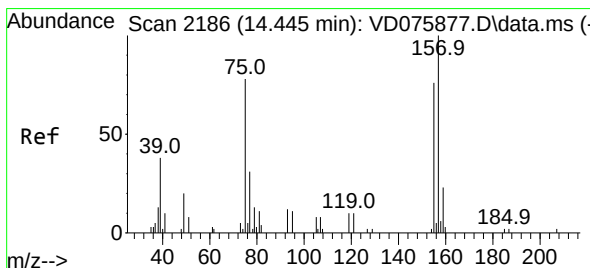
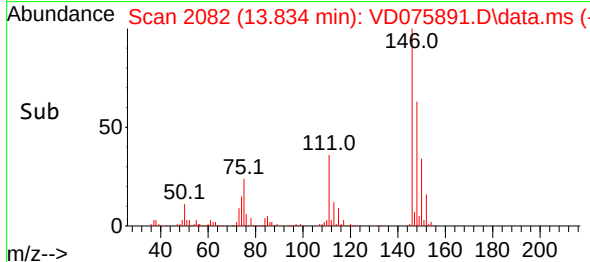
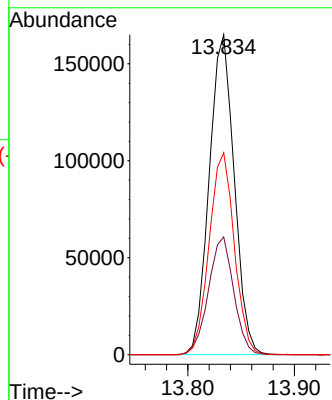
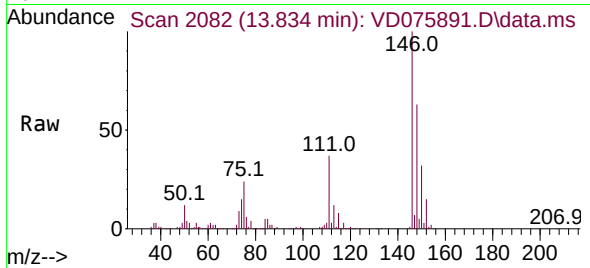




#67
1,2-Dichlorobenzene
Concen: 26.323 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

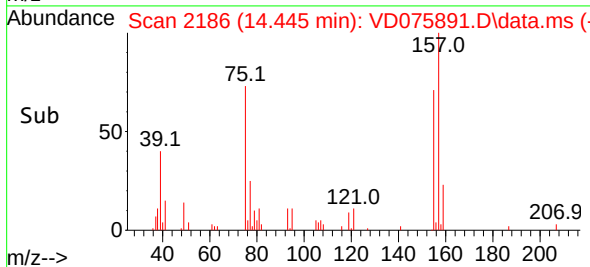
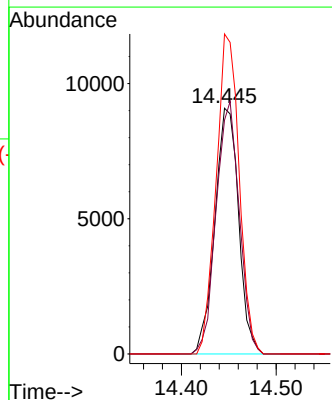
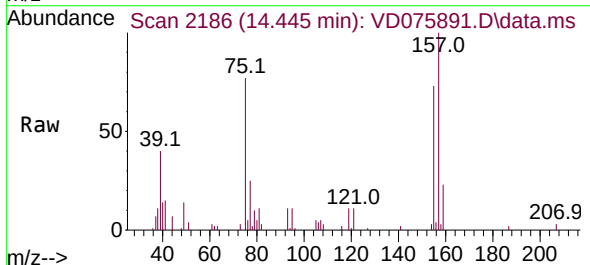
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

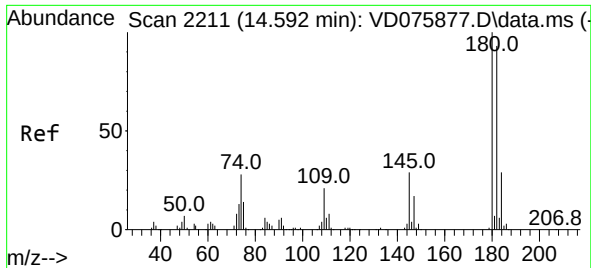
Tgt Ion:146 Resp: 268782
Ion Ratio Lower Upper
146 100
111 36.8 30.6 46.0
148 63.1 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 27.913 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion: 75 Resp: 15798
Ion Ratio Lower Upper
75 100
155 95.2 74.6 111.8
157 130.2 109.4 164.2

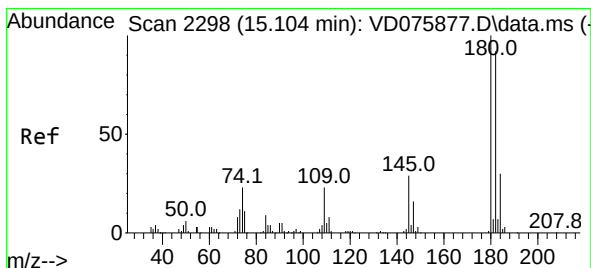
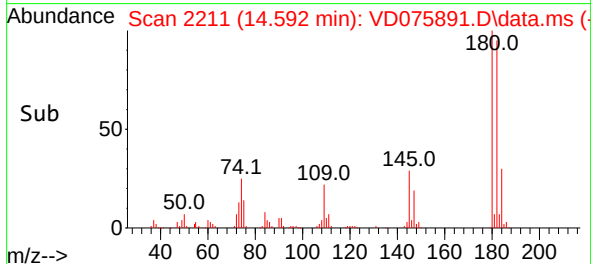
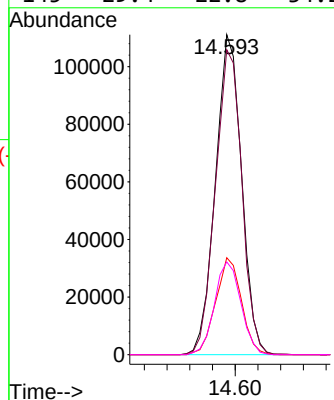
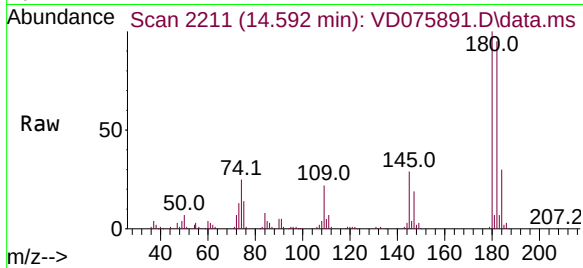




#69
1,3,5-Trichlorobenzene
Concen: 23.137 ug/L
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

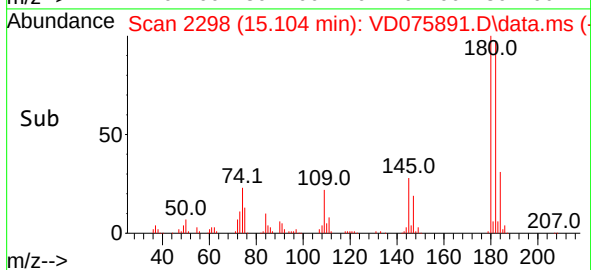
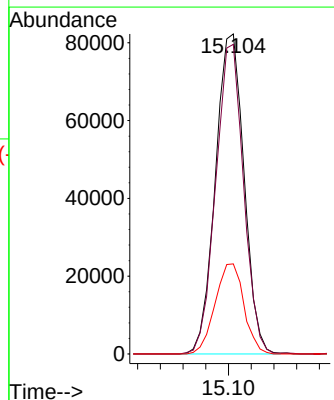
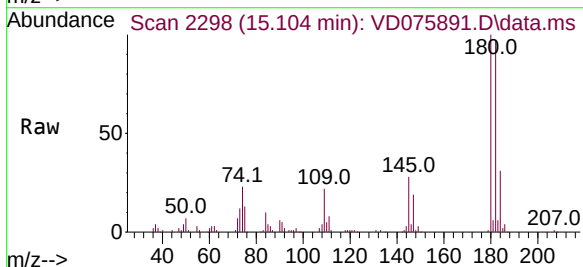
Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

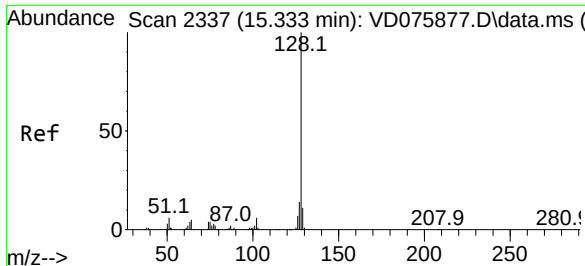
Tgt Ion:	180	Resp:	177320
Ion Ratio	Lower	Upper	
180	100		
182	96.4	74.9	112.3
184	29.8	25.0	37.4
145	29.4	22.8	34.2



#70
1,2,4-trichlorobenzene
Concen: 22.662 ug/L
RT: 15.104 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion:	180	Resp:	143927
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.4	113.2
145	28.3	23.6	35.4

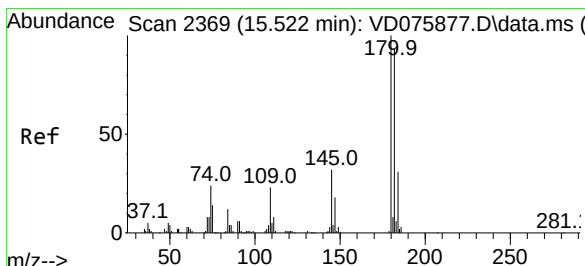
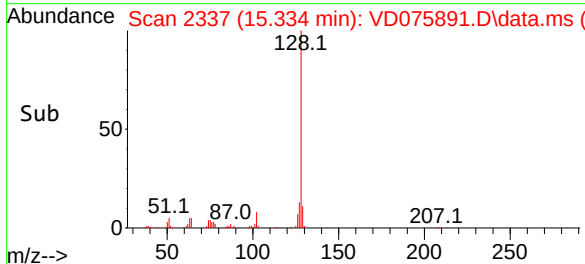
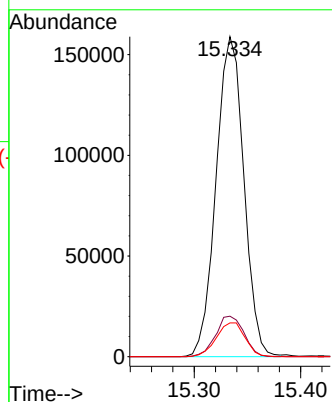
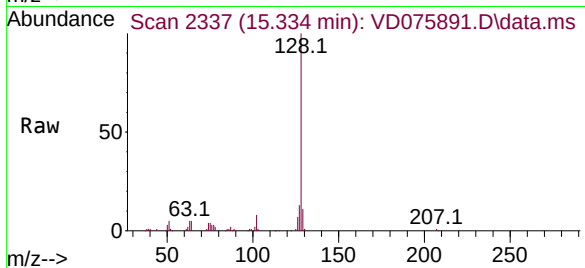




#71
Naphthalene
Concen: 24.749 ug/L
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Instrument :
MSVOA_D
ClientSampleId :
VSTD025138

Tgt Ion:128 Resp: 287646
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.0 9.1 13.7



#72
1,2,3-Trichlorobenzene
Concen: 23.920 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD075891.D
Acq: 28 Apr 2023 16:50

Tgt Ion:180 Resp: 135606
Ion Ratio Lower Upper
180 100
182 96.7 76.3 114.5
145 30.8 25.0 37.6

