

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050223\
 Data File : VD075954.D
 Acq On : 02 May 2023 09:52
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025144

Quant Time: May 03 02:33:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 02 02:31:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	362669	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	333483	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	170511	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	196269	24.669	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.680%
7) Chloroethane-d5	2.805	69	172593	25.107	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.440%
11) 1,1-Dichloroethene-d2	3.922	65	42430	23.132	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.520%
21) 2-Butanone-d5	6.993	46	38513	55.761	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.520%
24) Chloroform-d	7.563	84	227600	25.096	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	8.228	65	102005	26.338	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.360%
32) Benzene-d6	8.199	84	483026	24.851	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.400%
36) 1,2-Dichloropropane-d6	9.210	67	136333	25.341	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.360%
41) Toluene-d8	10.269	98	457996	25.169	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.680%
43) trans-1,3-Dichloroprop...	10.522	79	51704	23.251	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.000%
47) 2-Hexanone-d5	10.881	63	35753	55.193	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.380%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	110041	26.730	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.920%
66) 1,2-Dichlorobenzene-d4	13.822	152	140023	23.217	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.880%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	141381	28.278	ug/L	100
3) Chloromethane	2.146	50	197658	28.360	ug/L	97
5) Vinyl chloride	2.281	62	255955	28.099	ug/L	99
6) Bromomethane	2.693	94	151689	24.783	ug/L	98
8) Chloroethane	2.840	64	164407	27.908	ug/L	100
9) Trichlorofluoromethane	3.175	101	197974	27.049	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	139601	28.391	ug/L	99
12) 1,1-Dichloroethene	3.940	96	125949	26.413	ug/L	89
13) Acetone	4.016	43	35861	60.672	ug/L	33
14) Carbon disulfide	4.269	76	429922	25.812	ug/L	99
15) Methyl Acetate	4.564	43	35824	27.967	ug/L #	61
16) Methylene chloride	4.805	84	146963	19.975	ug/L	93
17) trans-1,2-Dichloroethene	5.311	96	136693	25.565	ug/L	94
18) Methyl tert-butyl Ether	5.322	73	215759	25.156	ug/L #	91
19) 1,1-Dichloroethane	6.105	63	216768	27.674	ug/L	97
20) cis-1,2-Dichloroethene	7.075	96	141327	24.997	ug/L	98
22) 2-Butanone	7.087	43	45633	59.220	ug/L	94
23) Bromochloromethane	7.428	128	70590	26.922	ug/L #	91
25) Chloroform	7.593	83	235452	26.820	ug/L	100

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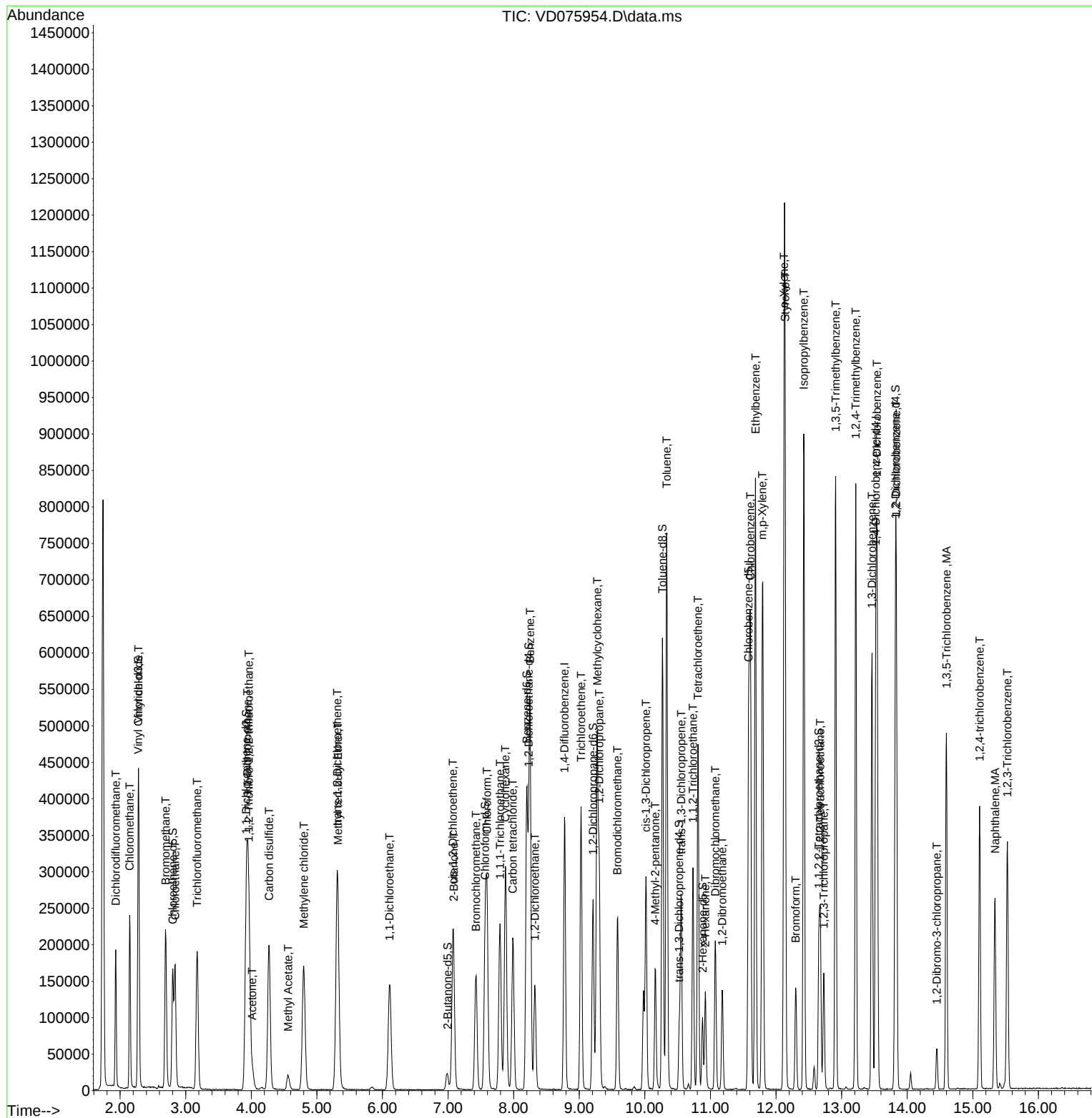
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	125983	27.802	ug/L	99
29) Cyclohexane	7.875	56	159384	27.919	ug/L	94
30) 1,1,1-Trichloroethane	7.793	97	190823	27.045	ug/L	99
31) Carbon tetrachloride	7.987	117	157685	27.856	ug/L	98
33) Benzene	8.252	78	546920	27.113	ug/L	100
34) Trichloroethene	9.028	95	133367	25.566	ug/L	93
35) Methylcyclohexane	9.275	83	218381	27.152	ug/L	97
37) 1,2-Dichloropropane	9.304	63	130124	28.082	ug/L	99
38) Bromodichloromethane	9.581	83	166547	26.657	ug/L	97
39) cis-1,3-Dichloropropene	10.016	75	190830	25.896	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	101115	59.852	ug/L	94
42) Toluene	10.334	91	612858	28.075	ug/L	100
44) trans-1,3-Dichloropropene	10.557	75	158905	26.842	ug/L	97
45) 1,1,2-Trichloroethane	10.734	97	102503	26.002	ug/L	97
46) Tetrachloroethene	10.810	164	117420	27.443	ug/L	95
48) 2-Hexanone	10.922	43	74902	62.890	ug/L	93
49) Dibromochloromethane	11.075	129	114365	26.649	ug/L	92
50) 1,2-Dibromoethane	11.181	107	92911	26.143	ug/L	95
51) Chlorobenzene	11.610	112	380058	26.613	ug/L	100
52) Ethylbenzene	11.687	91	609929	27.248	ug/L	99
53) m,p-Xylene	11.793	106	251143	28.176	ug/L	97
54) o-Xylene	12.122	106	229141	27.066	ug/L	96
55) Styrene	12.140	104	413279	28.048	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	111175	27.718	ug/L	95
59) Bromoform	12.298	173	67169	25.703	ug/L	97
60) Isopropylbenzene	12.422	105	593338	26.243	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	69237	25.849	ug/L	99
62) 1,3,5-Trimethylbenzene	12.910	105	446745	26.498	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	434562	26.739	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	278938	25.785	ug/L	98
65) 1,4-Dichlorobenzene	13.539	146	289249	25.476	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	249503	25.827	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	13542	25.290	ug/L	92
69) 1,3,5-Trichlorobenzene	14.598	180	171017	23.586	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	134423	22.371	ug/L	99
71) Naphthalene	15.339	128	253264	23.032	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	129091	24.067	ug/L	97

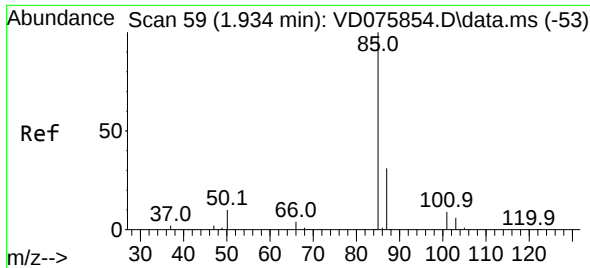
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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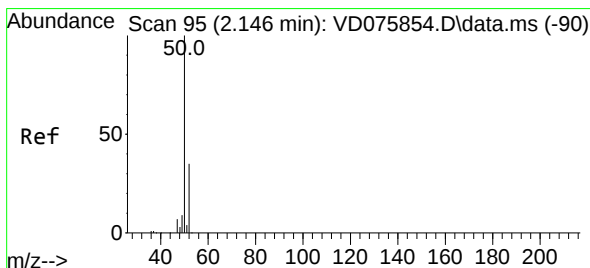
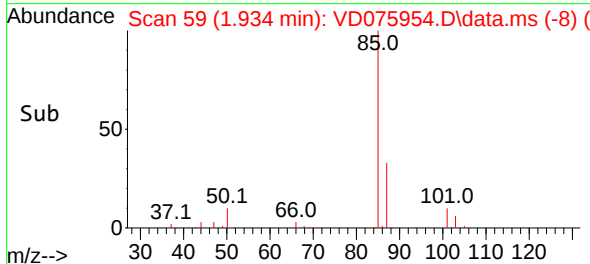
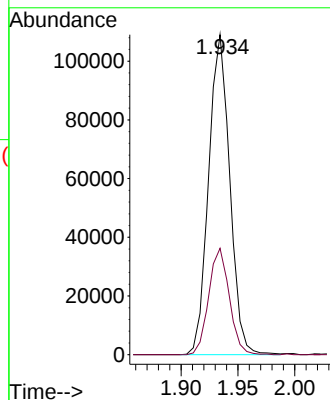
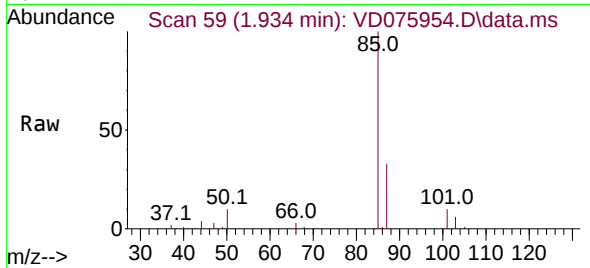




#2
 Dichlorodifluoromethane
 Concen: 28.278 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VD075954.D
 Acq: 02 May 2023 09:52

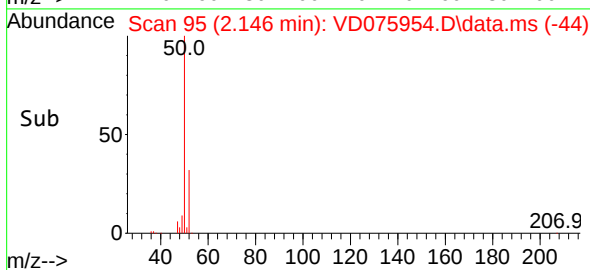
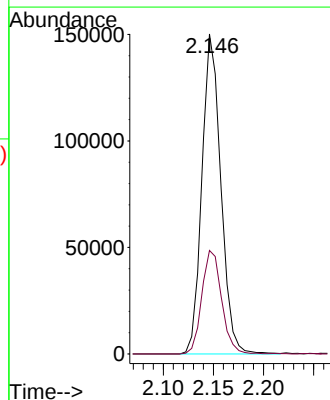
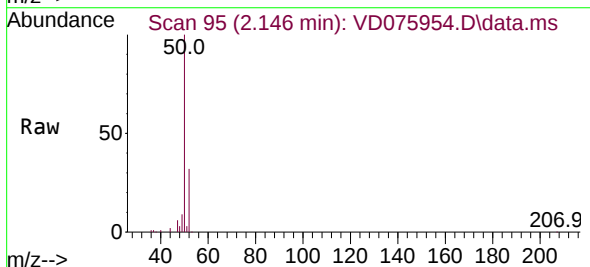
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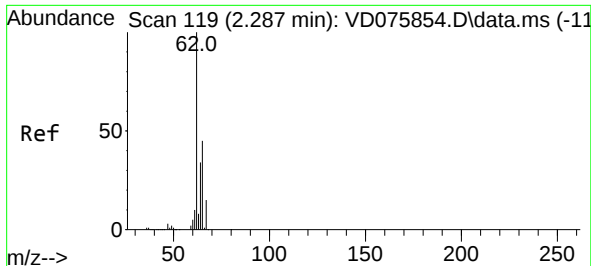
Tgt Ion: 85 Resp: 141381
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.8



#3
 Chloromethane
 Concen: 28.360 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. -0.000 min
 Lab File: VD075954.D
 Acq: 02 May 2023 09:52

Tgt Ion: 50 Resp: 197658
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.7 44.1

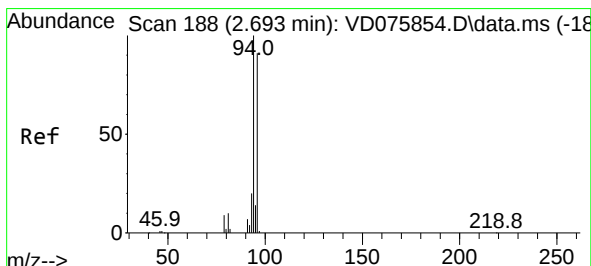
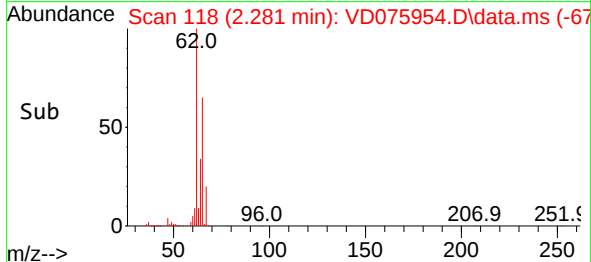
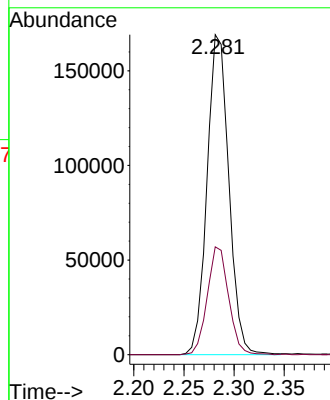
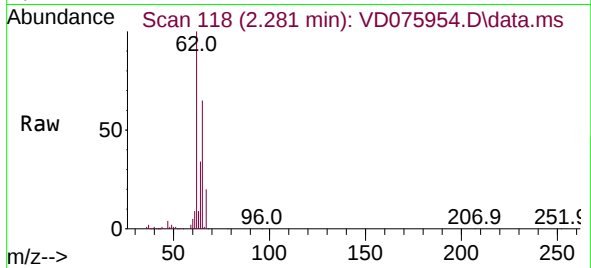




#5
 Vinyl chloride
 Concen: 28.099 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.000 min
 Lab File: VD075954.D
 Acq: 02 May 2023 09:52

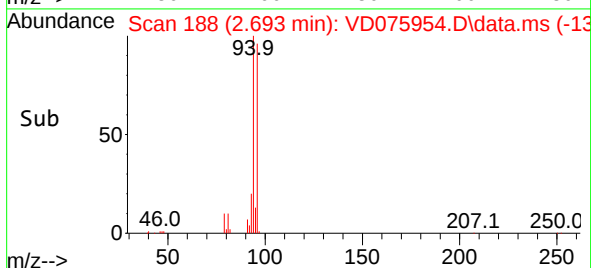
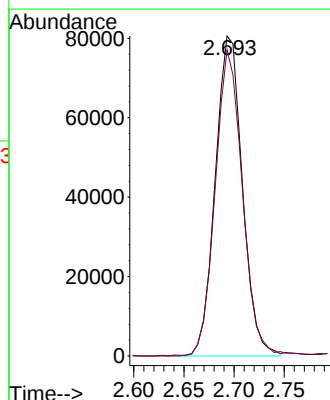
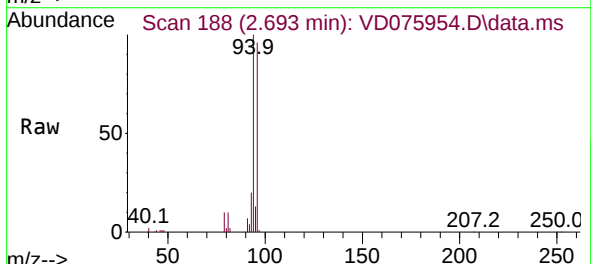
Instrument :
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 ClientSampleId :
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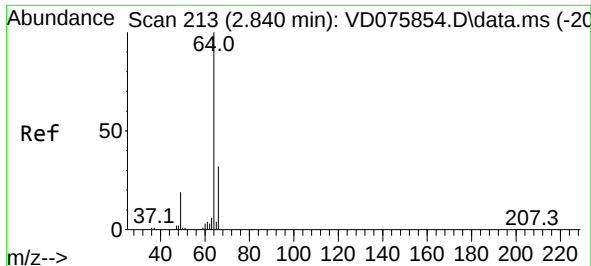
Tgt Ion: 62 Resp: 255955
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.2 43.0



#6
 Bromomethane
 Concen: 24.783 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VD075954.D
 Acq: 02 May 2023 09:52

Tgt Ion: 94 Resp: 151689
 Ion Ratio Lower Upper
 94 100
 96 95.6 65.7 121.9

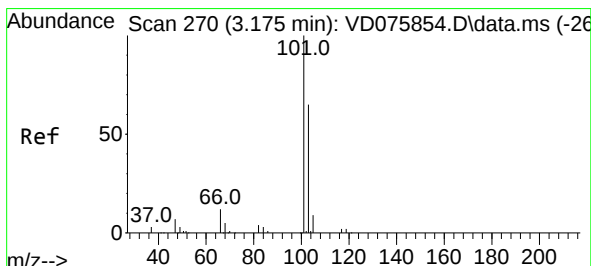
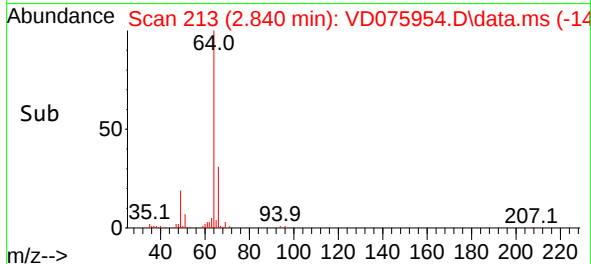
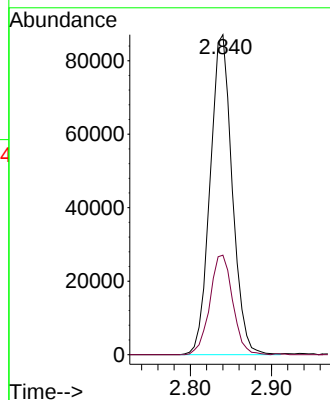
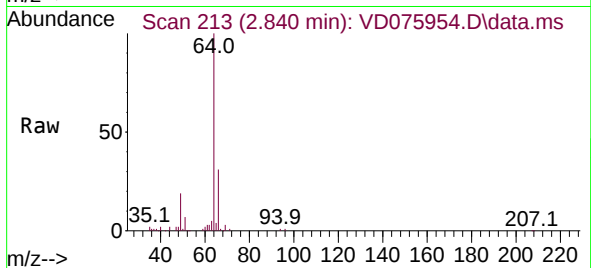




#8
Chloroethane
Concen: 27.908 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

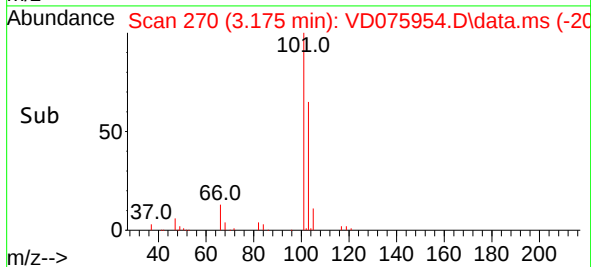
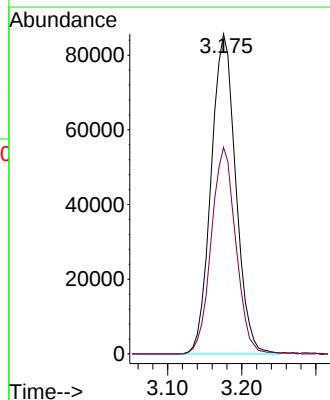
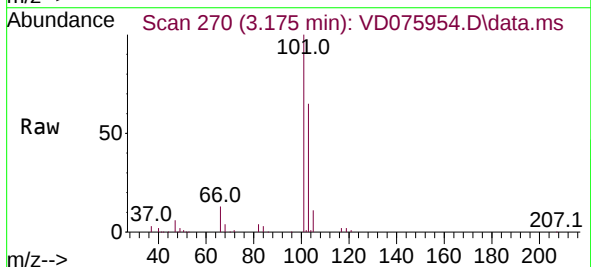
Instrument :
MSVOA_D
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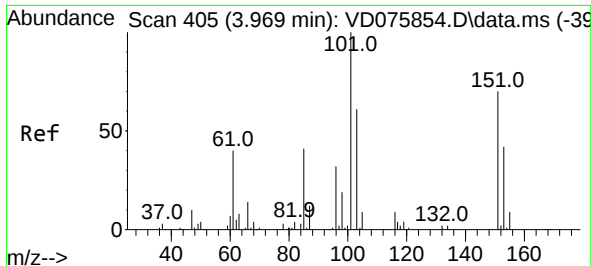
Tgt Ion: 64 Resp: 164407
Ion Ratio Lower Upper
64 100
66 31.1 21.8 40.4



#9
Trichlorofluoromethane
Concen: 27.049 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion:101 Resp: 197974
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.4

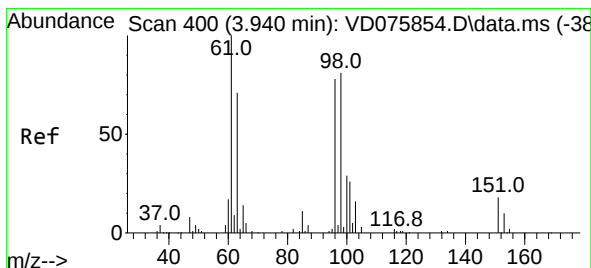
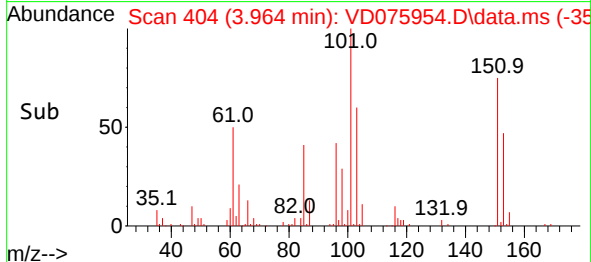
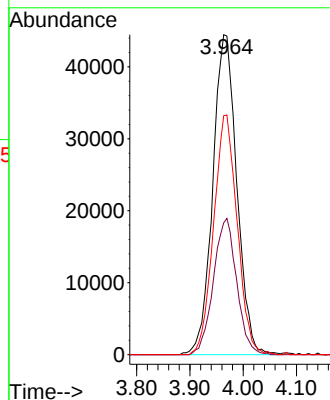
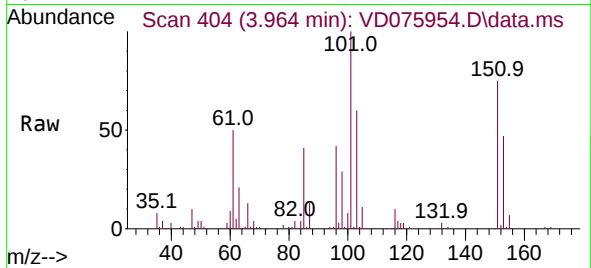




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 28.391 ug/L
 RT: 3.964 min Scan# 405
 Delta R.T. -0.000 min
 Lab File: VD075954.D
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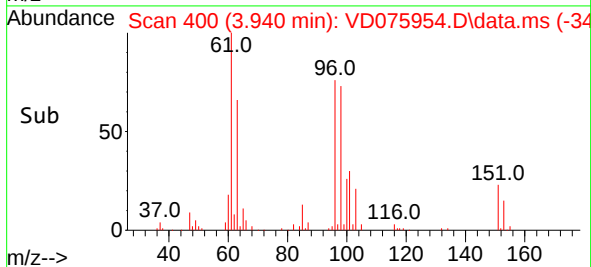
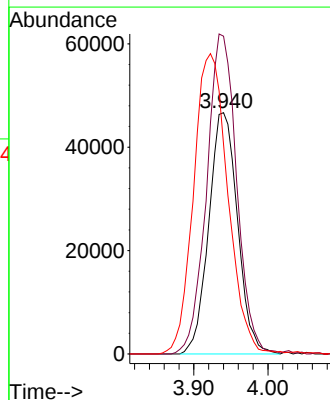
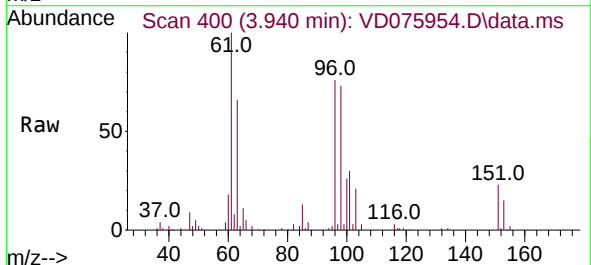
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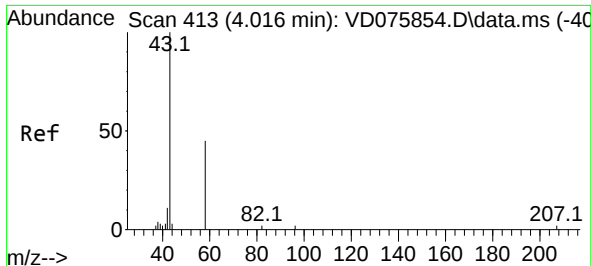
Tgt Ion:101 Resp: 139601
 Ion Ratio Lower Upper
 101 100
 85 41.1 32.9 49.3
 151 73.1 57.2 85.8



#12
 1,1-Dichloroethene
 Concen: 26.413 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VD075954.D
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Tgt Ion: 96 Resp: 125949
 Ion Ratio Lower Upper
 96 100
 61 131.7 92.6 172.0
 63 86.8 77.4 143.8

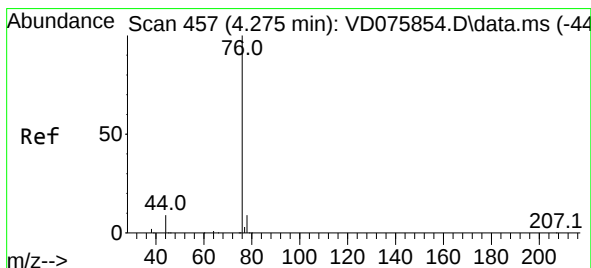
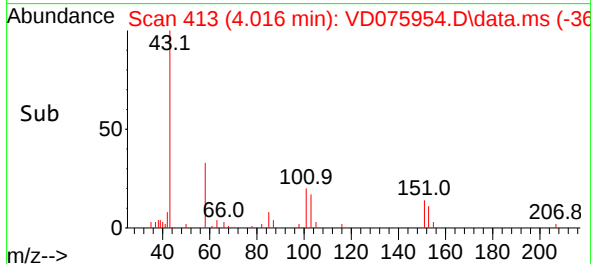
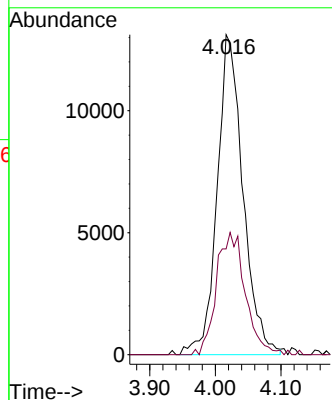
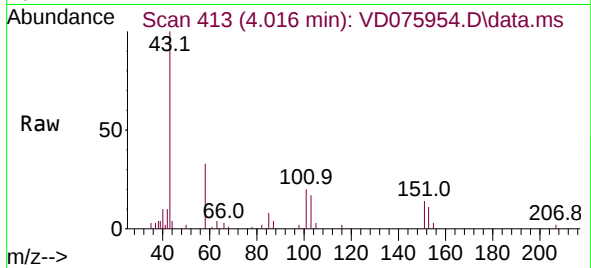




#13
Acetone
Concen: 60.672 ug/L
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD075954.D
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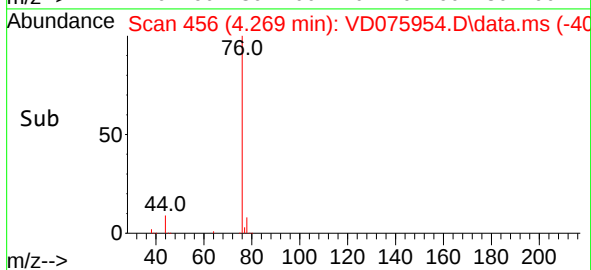
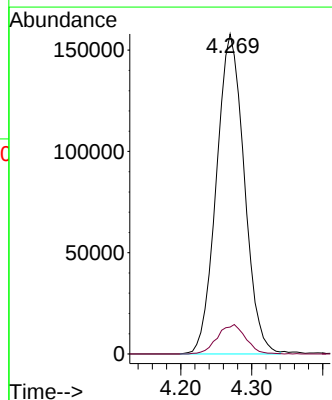
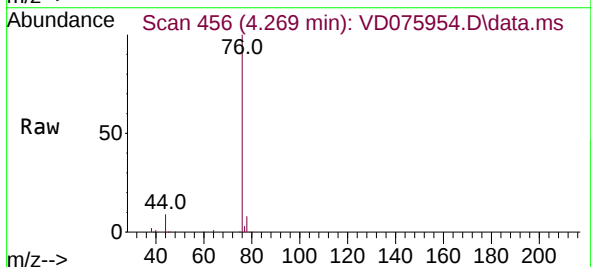
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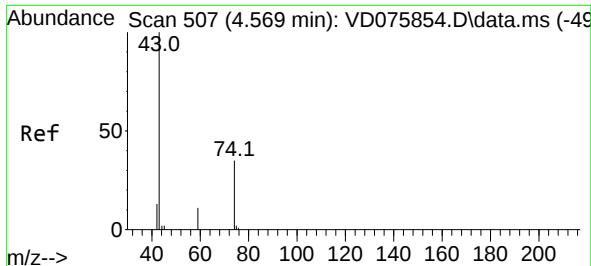
Tgt Ion: 43 Resp: 35861
Ion Ratio Lower Upper
43 100
58 0.2 0.0 87.4



#14
Carbon disulfide
Concen: 25.812 ug/L
RT: 4.269 min Scan# 456
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 429922
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

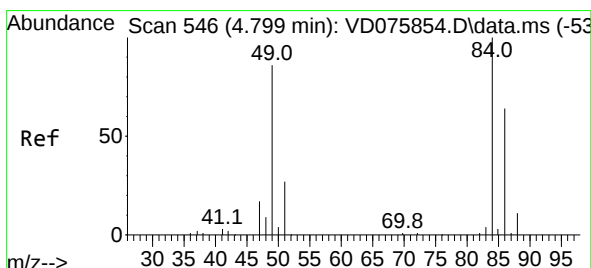
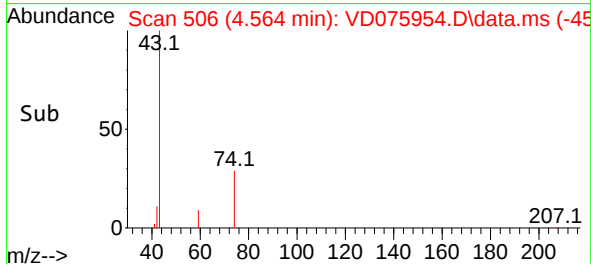
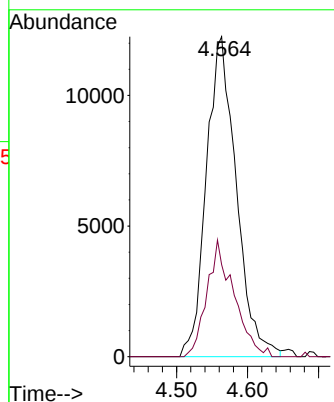
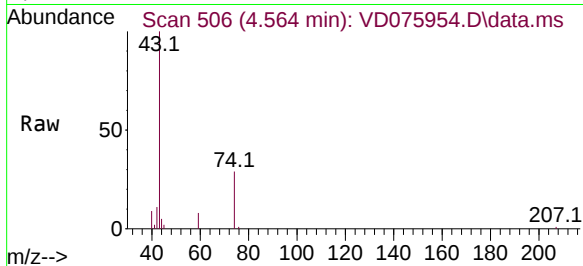




#15
Methyl Acetate
Concen: 27.967 ug/L
RT: 4.564 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

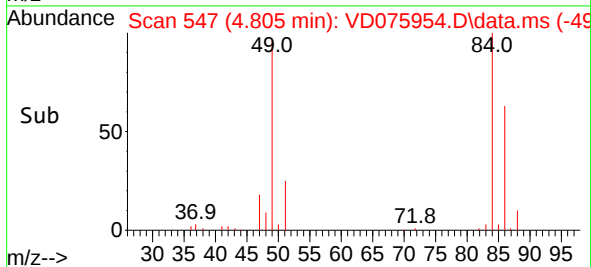
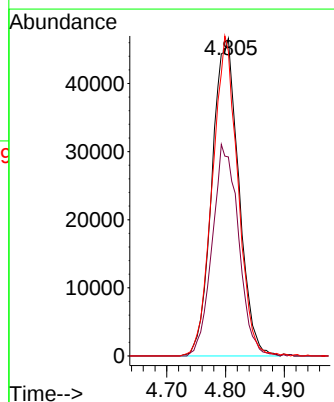
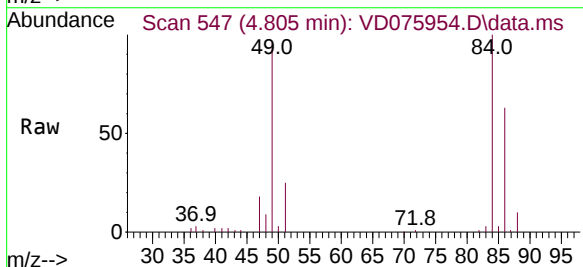
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

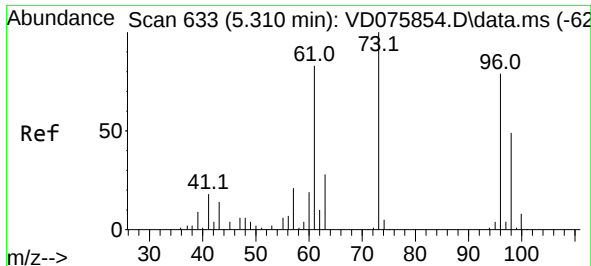
Tgt Ion: 43 Resp: 35824
Ion Ratio Lower Upper
43 100
74 32.7 12.8 19.2#



#16
Methylene chloride
Concen: 19.975 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion: 84 Resp: 146963
Ion Ratio Lower Upper
84 100
86 62.7 45.8 85.2
49 96.0 60.8 112.8





#17

trans-1,2-Dichloroethene

Concen: 25.565 ug/L

RT: 5.311 min Scan# 61

Delta R.T. 0.006 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTD025144

Tgt Ion: 96 Resp: 136693

Ion Ratio Lower Upper

96 100

61 110.7

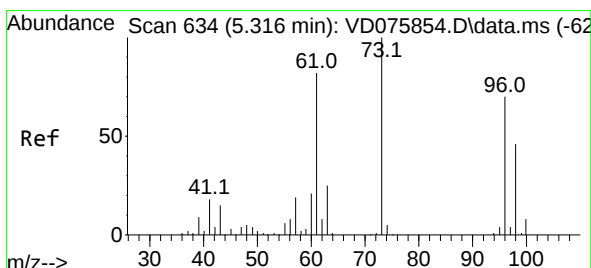
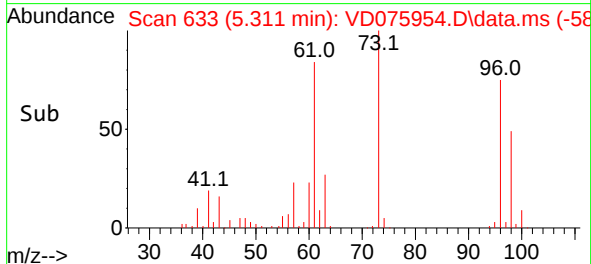
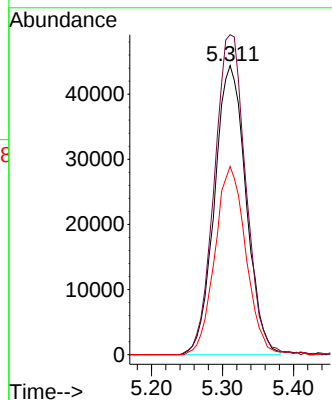
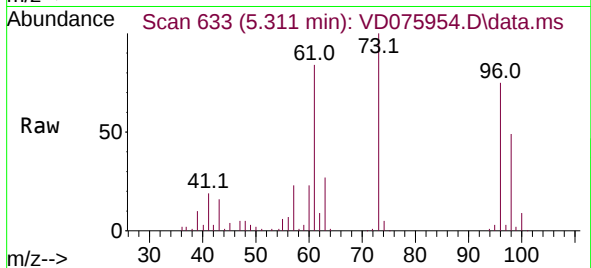
72.9

135.5

98 65.1

43.0

79.8



#18

Methyl tert-butyl Ether

Concen: 25.156 ug/L

RT: 5.322 min Scan# 635

Delta R.T. 0.006 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Tgt Ion: 73 Resp: 215759

Ion Ratio Lower Upper

73 100

43 14.7

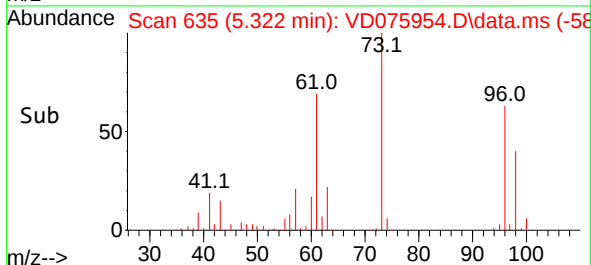
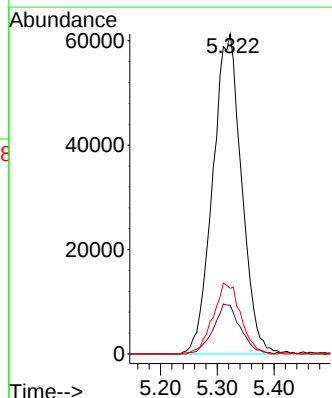
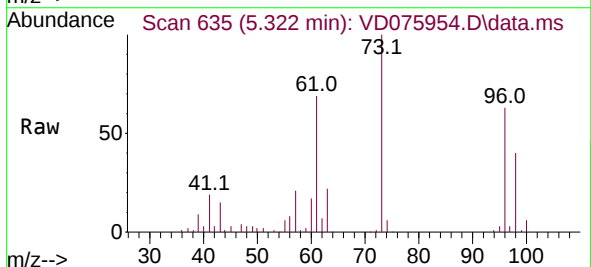
11.3

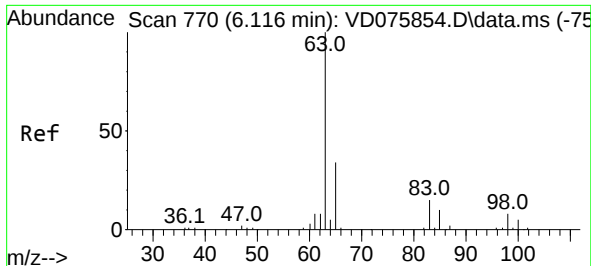
16.9

57 13.5

16.3

24.5#





#19

1,1-Dichloroethane

Concen: 27.674 ug/L

RT: 6.105 min Scan# 770

Delta R.T. -0.006 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTD025144

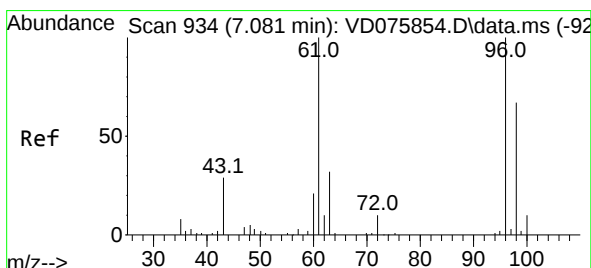
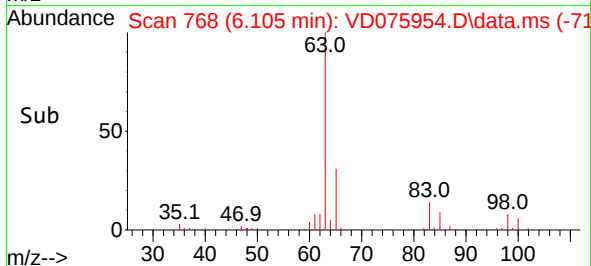
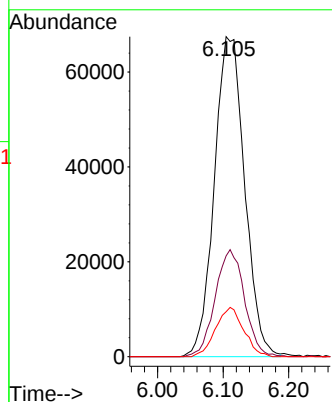
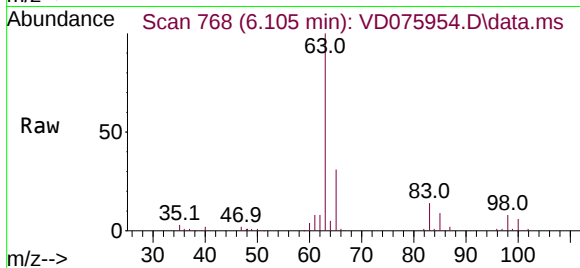
Tgt Ion: 63 Resp: 216768

Ion Ratio Lower Upper

63 100

65 31.5 22.8 42.4

83 14.0 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 24.997 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

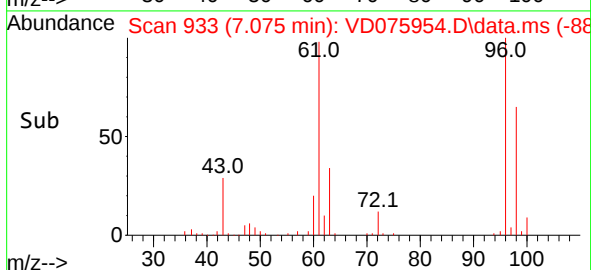
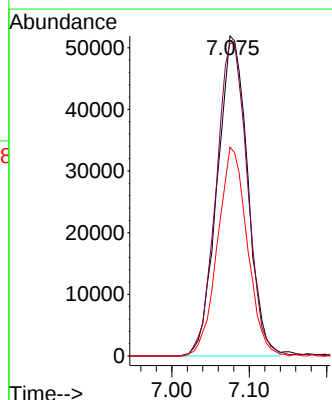
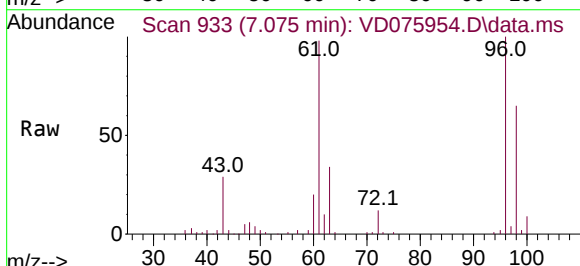
Tgt Ion: 96 Resp: 141327

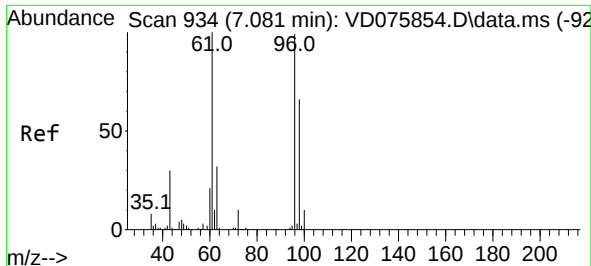
Ion Ratio Lower Upper

96 100

61 97.7 67.5 125.3

98 65.2 47.5 88.1

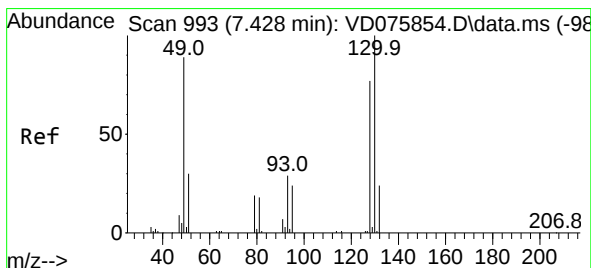
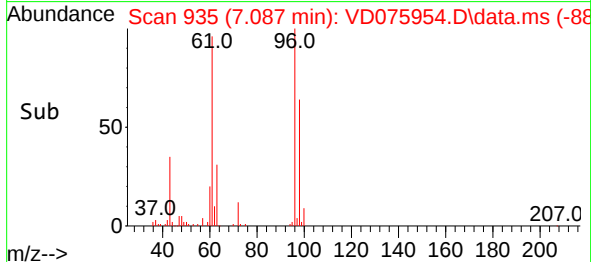
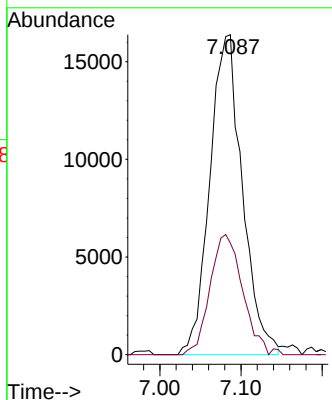
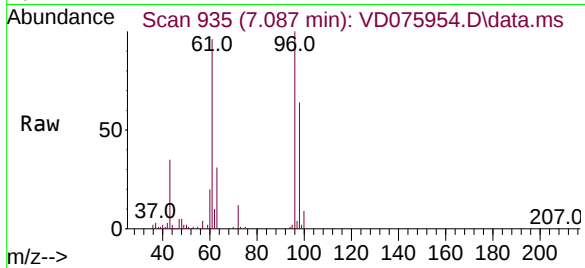




#22
2-Butanone
Concen: 59.220 ug/L
RT: 7.087 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

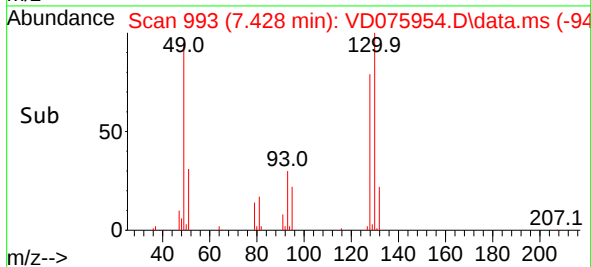
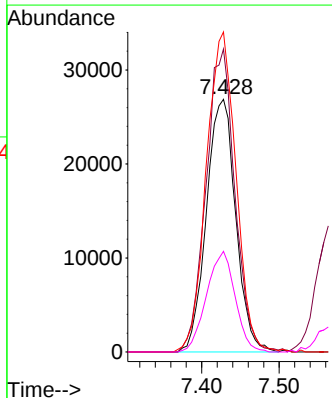
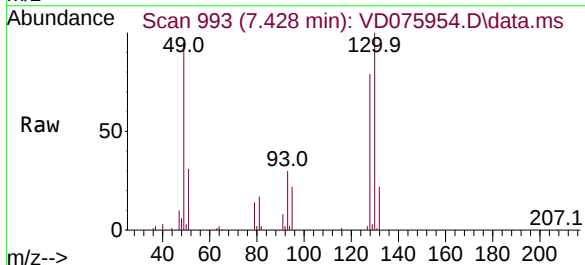
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

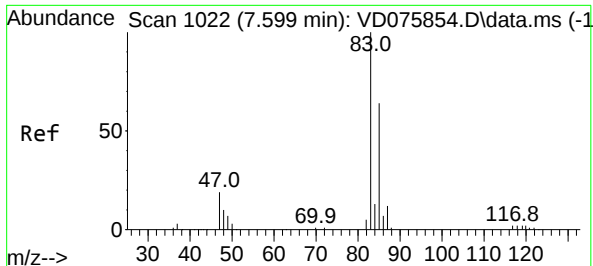
Tgt Ion: 43 Resp: 45633
Ion Ratio Lower Upper
43 100
72 37.3 20.5 61.5



#23
Bromochloromethane
Concen: 26.922 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion: 128 Resp: 70590
Ion Ratio Lower Upper
128 100
49 119.8 76.4 142.0
130 126.6 93.5 173.7
51 39.8 24.8 37.2#





#25

Chloroform

Concen: 26.820 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

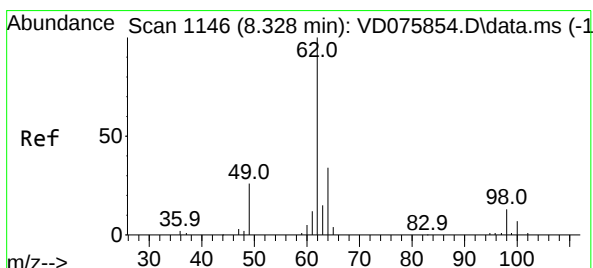
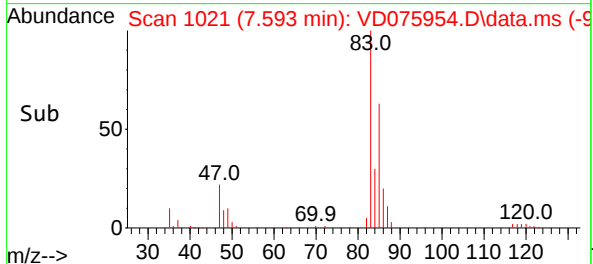
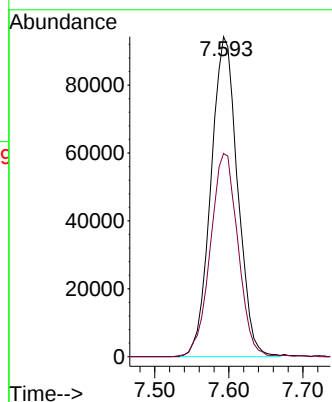
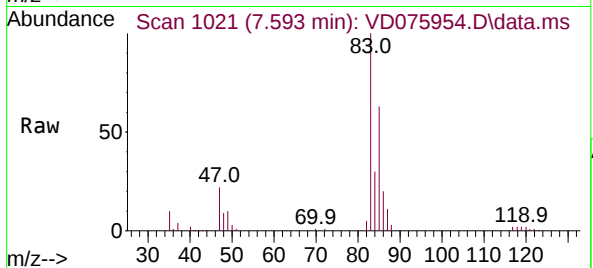
VSTD025144

Tgt Ion: 83 Resp: 235452

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5



#27

1,2-Dichloroethane

Concen: 27.802 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VD075954.D

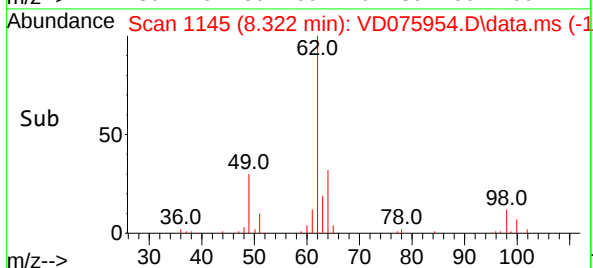
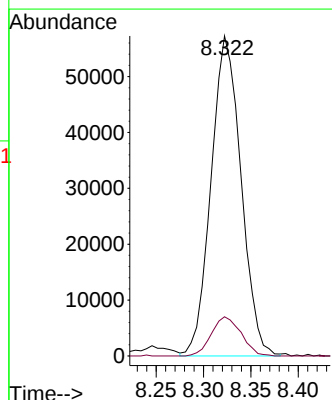
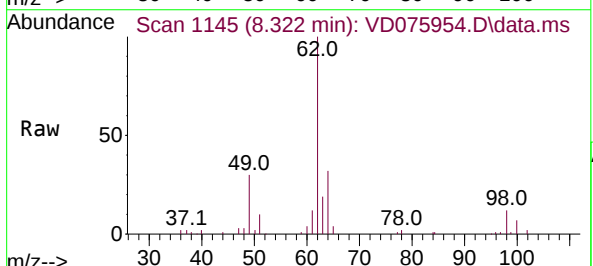
Acq: 02 May 2023 09:52

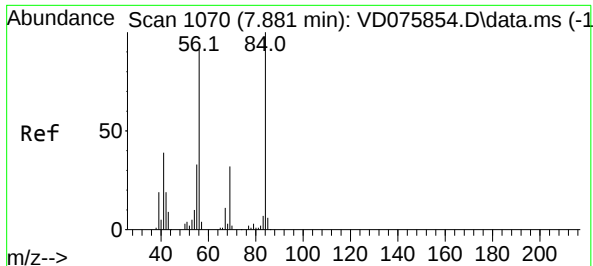
Tgt Ion: 62 Resp: 125983

Ion Ratio Lower Upper

62 100

98 12.3 10.2 15.2





#29

Cyclohexane

Concen: 27.919 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTD025144

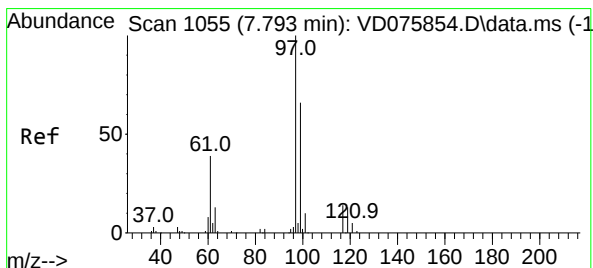
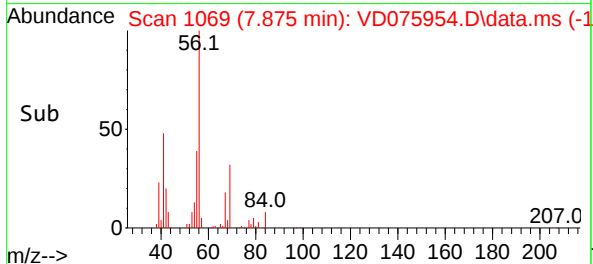
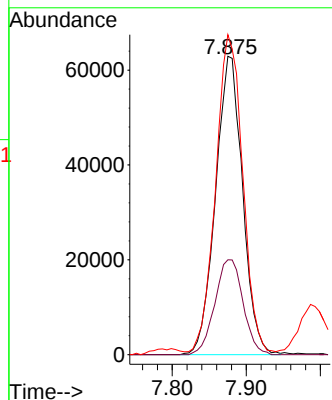
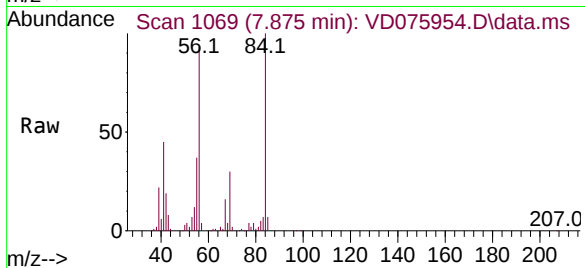
Tgt Ion: 56 Resp: 159384

Ion Ratio Lower Upper

56 100

69 33.2 28.2 42.2

84 107.7 92.4 138.6



#30

1,1,1-Trichloroethane

Concen: 27.045 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

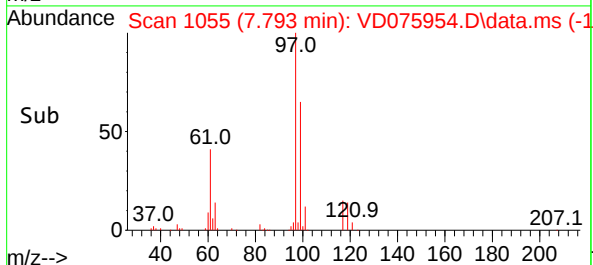
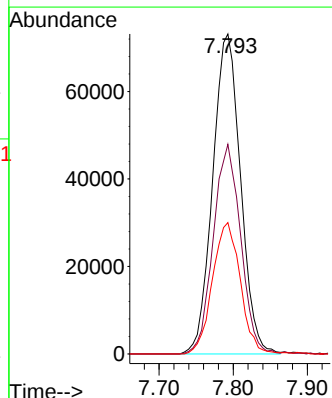
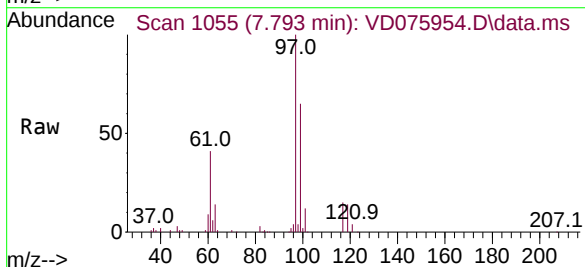
Tgt Ion: 97 Resp: 190823

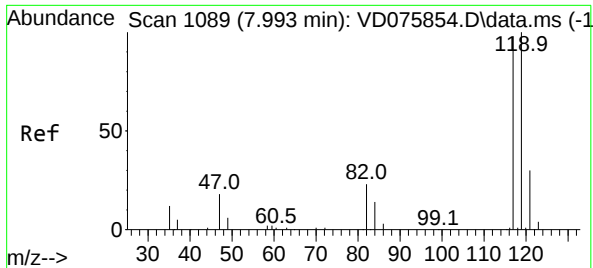
Ion Ratio Lower Upper

97 100

99 64.3 51.5 77.3

61 41.2 32.1 48.1

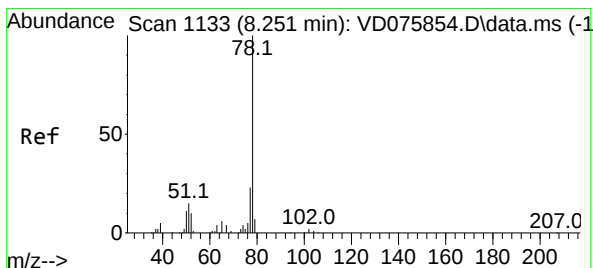
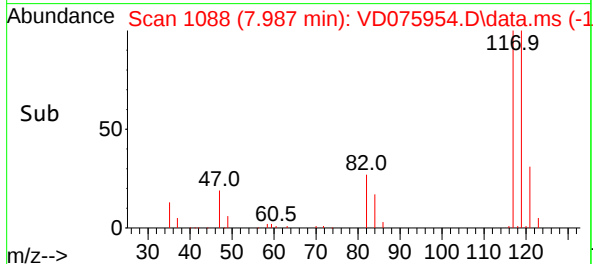
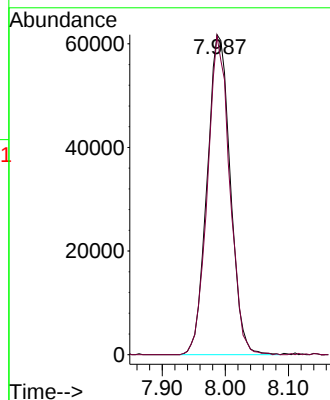
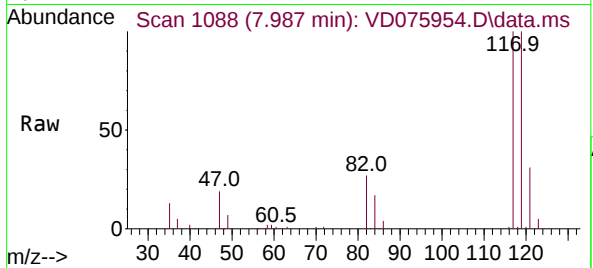




#31
Carbon tetrachloride
Concen: 27.856 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

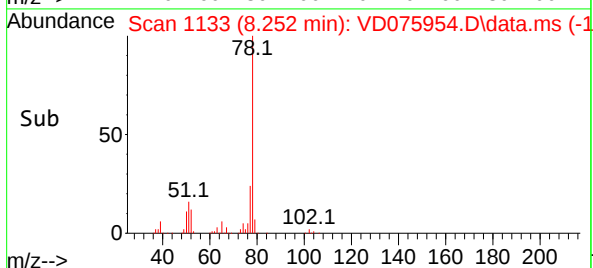
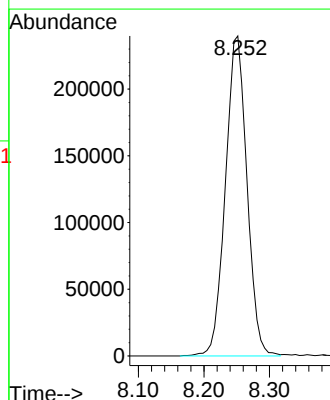
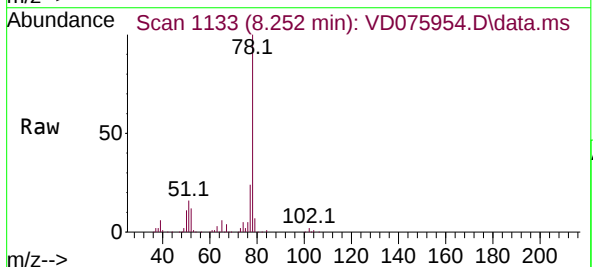
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

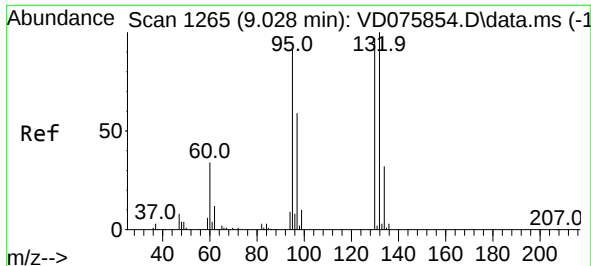
Tgt Ion:117 Resp: 157685
Ion Ratio Lower Upper
117 100
119 95.5 78.2 117.4



#33
Benzene
Concen: 27.113 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion: 78 Resp: 546920



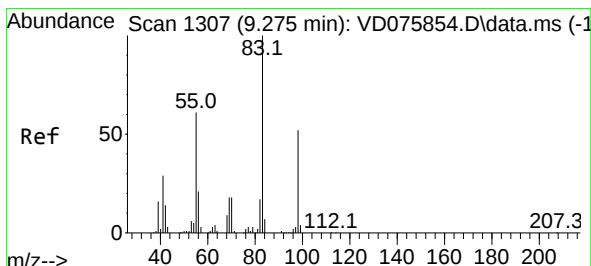
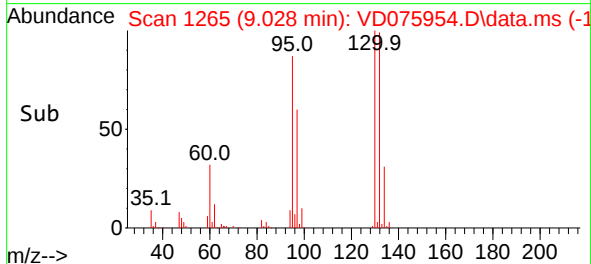
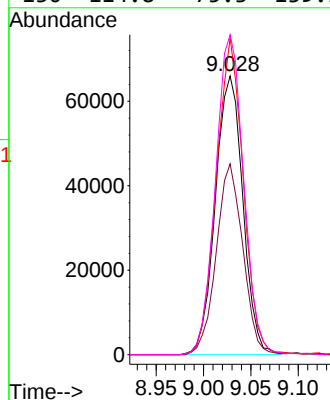
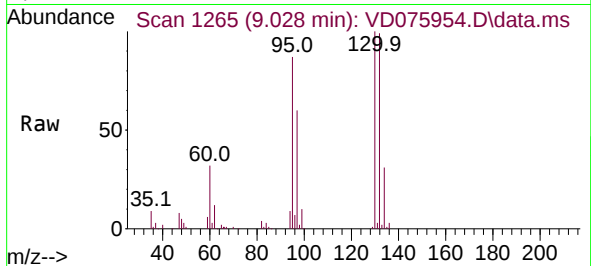


#34
Trichloroethene
Concen: 25.566 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

Tgt Ion: 95 Resp: 133367

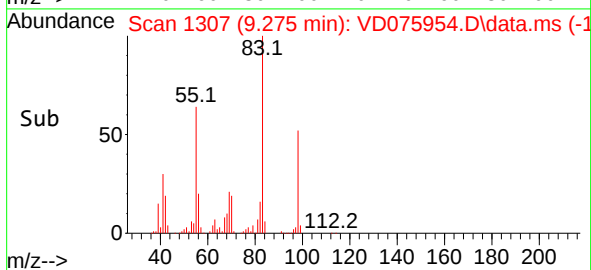
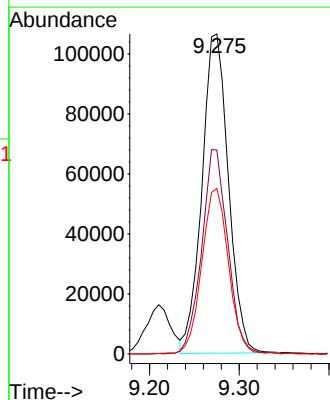
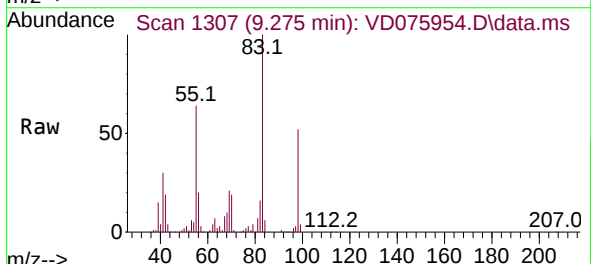
Ion	Ratio	Lower	Upper
95	100		
97	68.5	46.0	85.4
132	113.6	73.3	136.1
130	114.8	75.3	139.9

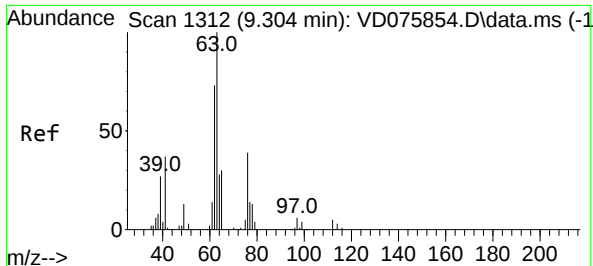


#35
Methylcyclohexane
Concen: 27.152 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion: 83 Resp: 218381

Ion	Ratio	Lower	Upper
83	100		
55	62.7	48.2	72.2
98	52.1	40.8	61.2





#37

1,2-Dichloropropane

Concen: 28.082 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

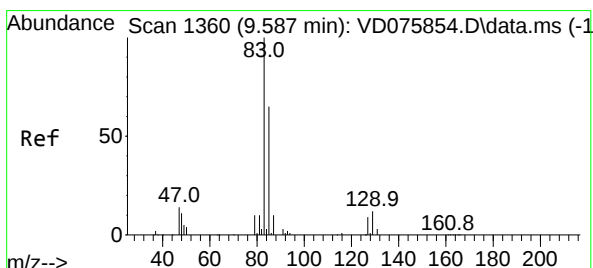
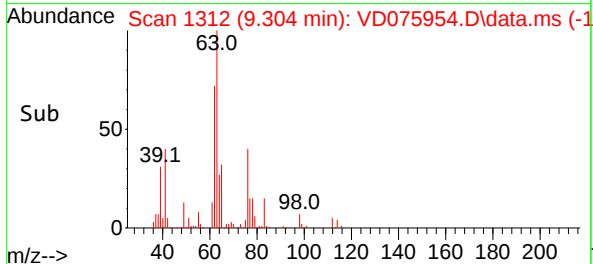
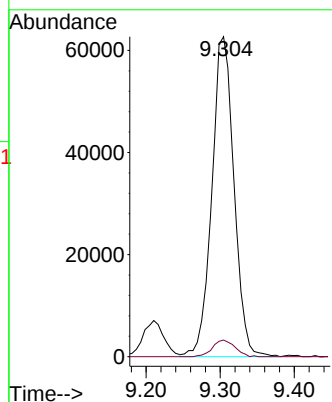
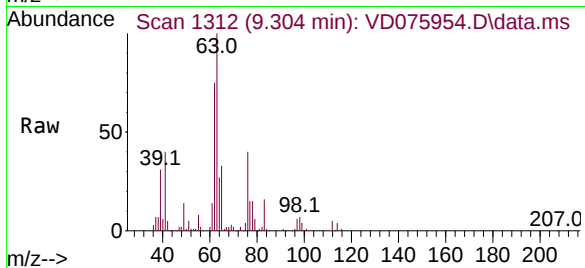
VSTD025144

Tgt Ion: 63 Resp: 130124

Ion Ratio Lower Upper

63 100

112 5.2 4.0 6.0



#38

Bromodichloromethane

Concen: 26.657 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

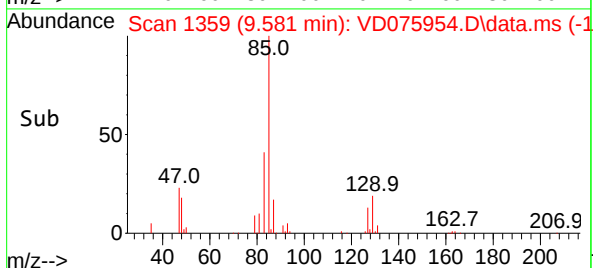
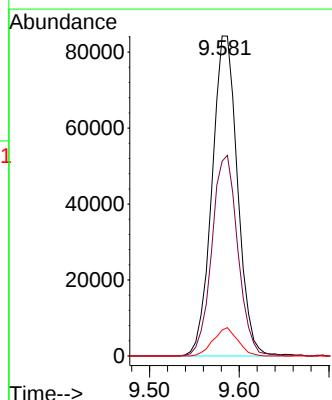
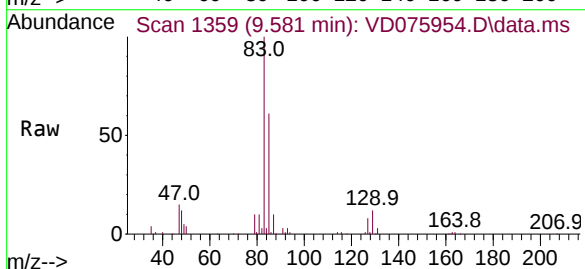
Tgt Ion: 83 Resp: 166547

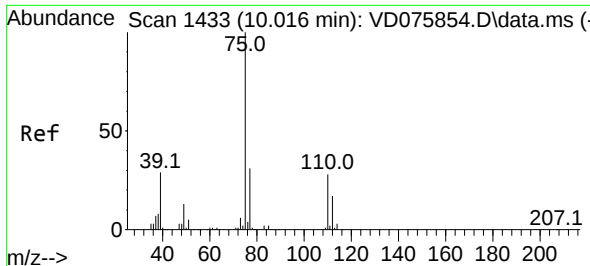
Ion Ratio Lower Upper

83 100

85 60.8 44.2 82.2

127 8.1 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 25.896 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

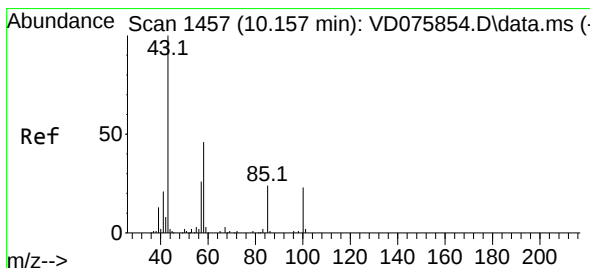
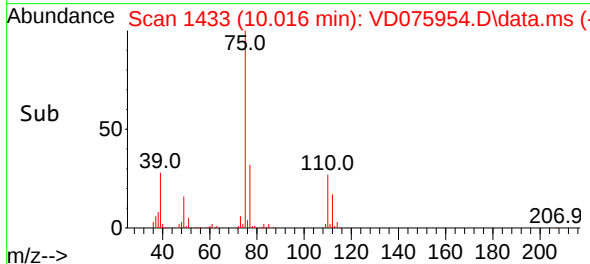
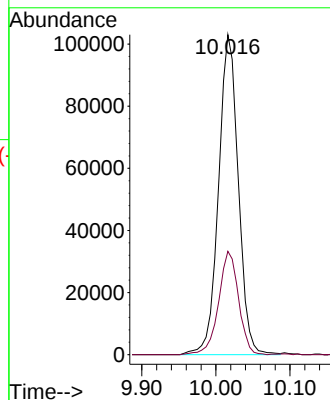
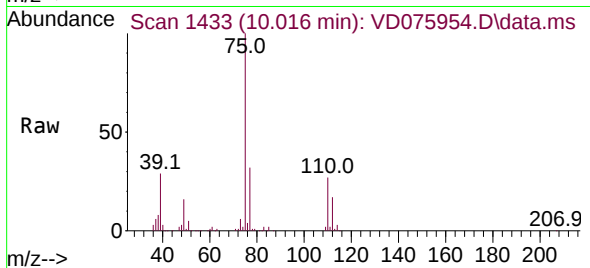
VSTD025144

Tgt Ion: 75 Resp: 190830

Ion Ratio Lower Upper

75 100

77 32.3 23.4 43.6



#40

4-Methyl-2-pentanone

Concen: 59.852 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

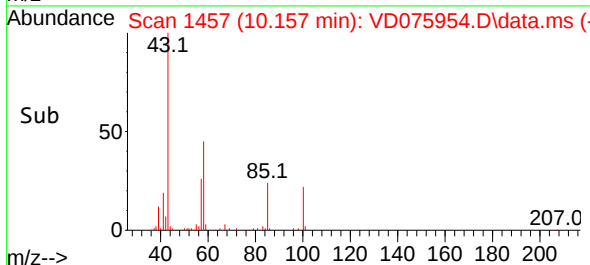
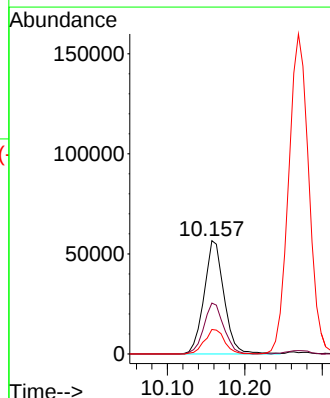
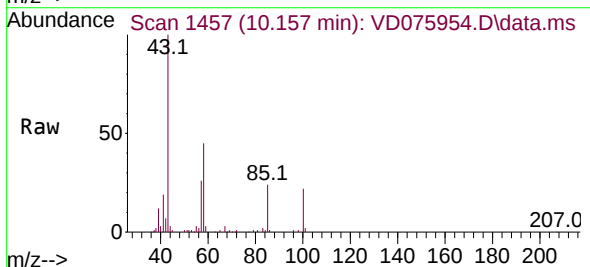
Tgt Ion: 43 Resp: 101115

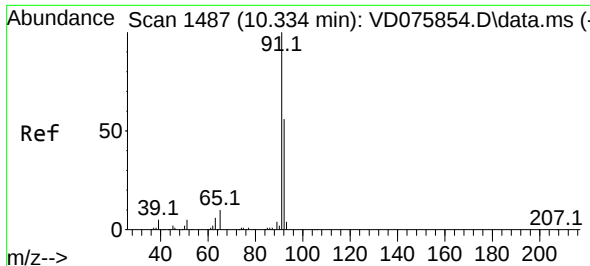
Ion Ratio Lower Upper

43 100

58 44.9 39.1 58.7

100 21.6 19.4 29.0

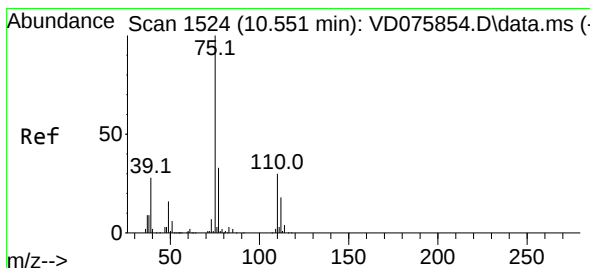
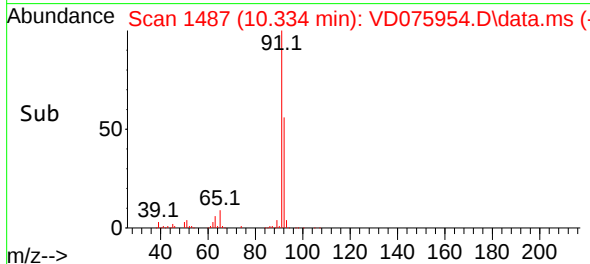
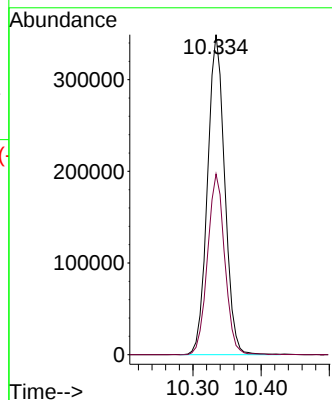
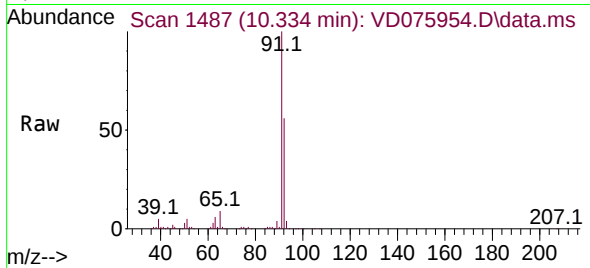




#42
Toluene
Concen: 28.075 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

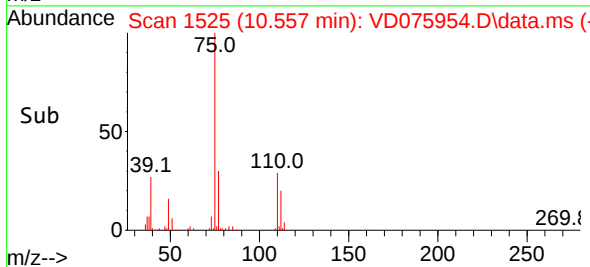
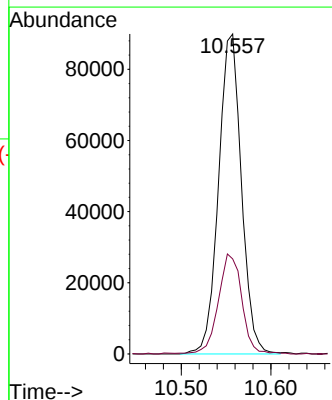
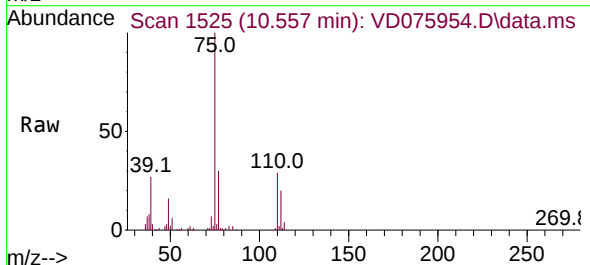
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

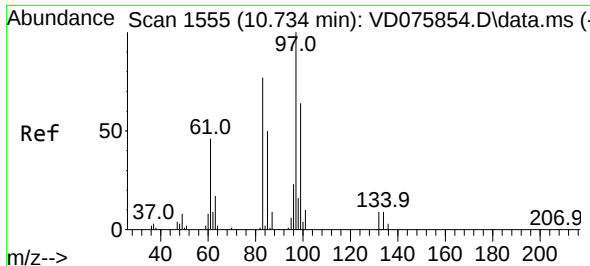
Tgt Ion: 91 Resp: 612858
Ion Ratio Lower Upper
91 100
92 56.4 39.3 72.9



#44
trans-1,3-Dichloropropene
Concen: 26.842 ug/L
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion: 75 Resp: 158905
Ion Ratio Lower Upper
75 100
77 29.7 22.0 41.0

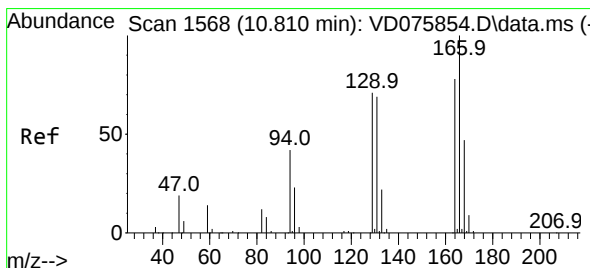
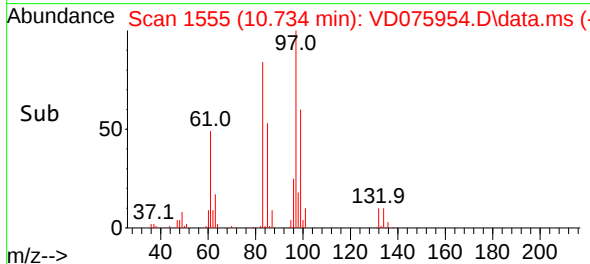
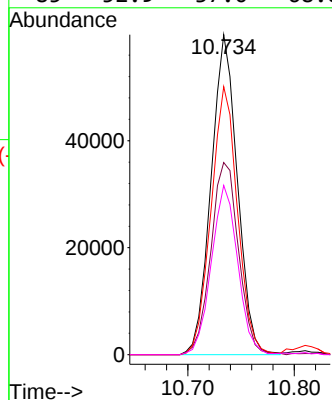
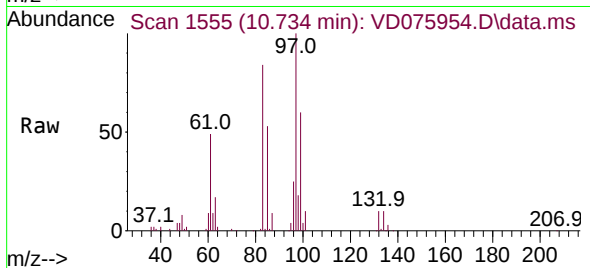




#45
1,1,2-Trichloroethane
Concen: 26.002 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

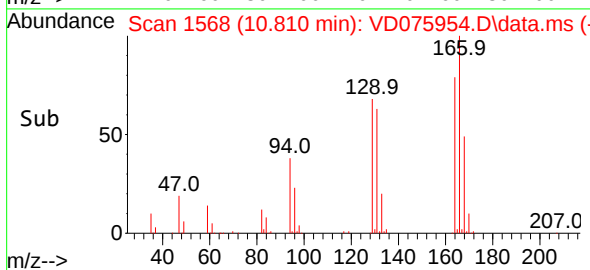
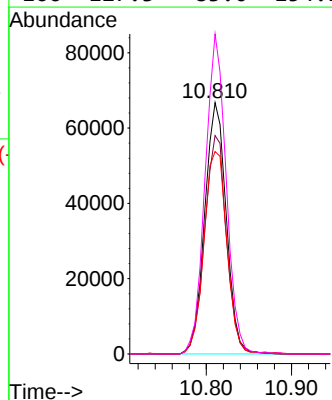
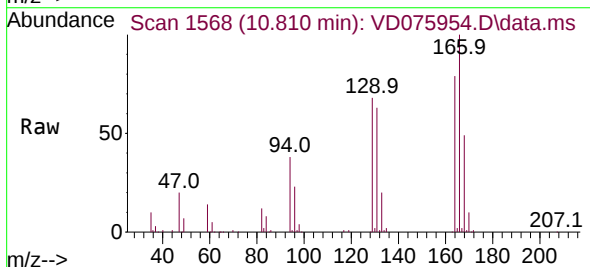
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

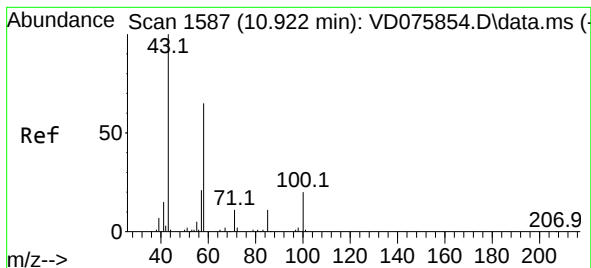
Tgt Ion:	97	Resp:	102503
Ion	Ratio	Lower	Upper
97	100		
99	60.0	42.2	78.4
83	83.7	54.8	101.8
85	52.9	37.0	68.8



#46
Tetrachloroethene
Concen: 27.443 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion:	164	Resp:	117420
Ion	Ratio	Lower	Upper
164	100		
129	86.9	60.3	112.1
131	80.5	58.9	109.3
166	127.3	83.0	154.1





#48

2-Hexanone

Concen: 62.890 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTD025144

Tgt Ion: 43 Resp: 74902

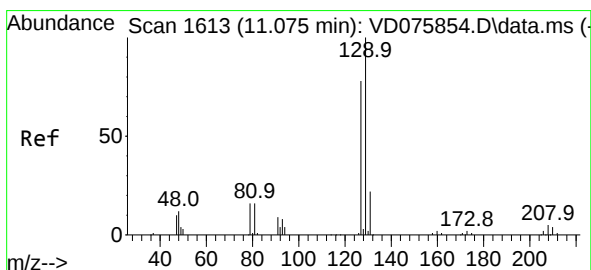
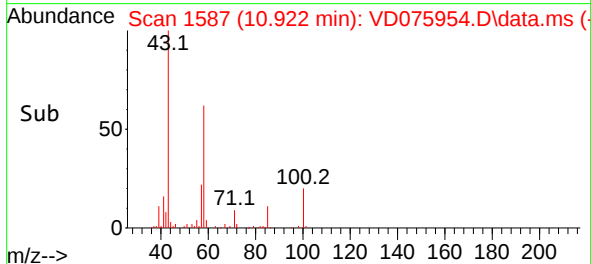
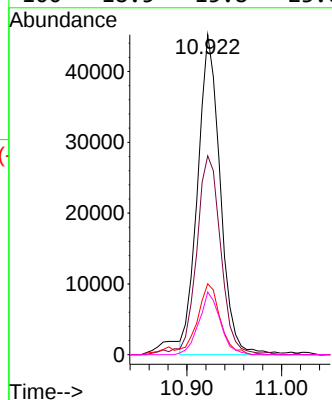
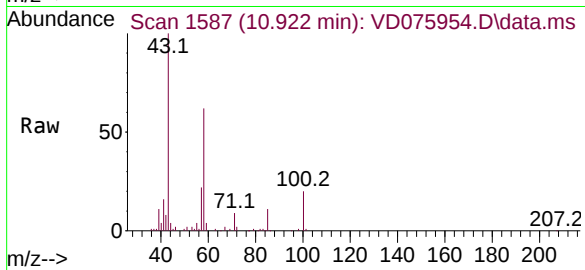
Ion Ratio Lower Upper

43 100

58 65.9 59.7 89.5

57 22.3 17.9 26.9

100 18.5 15.8 23.6



#49

Dibromochloromethane

Concen: 26.649 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD075954.D

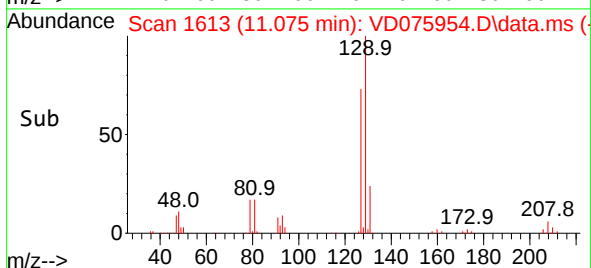
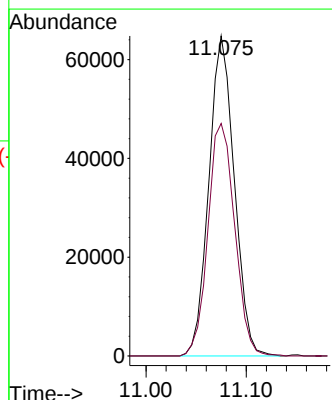
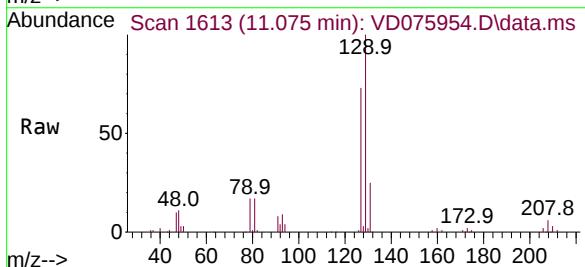
Acq: 02 May 2023 09:52

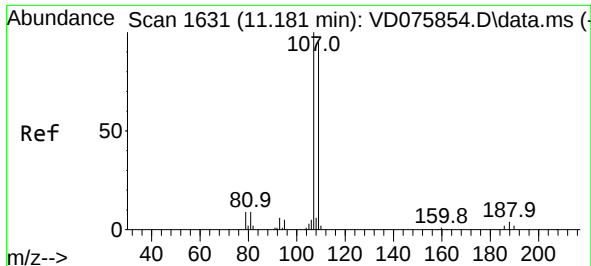
Tgt Ion: 129 Resp: 114365

Ion Ratio Lower Upper

129 100

127 72.7 55.6 103.4

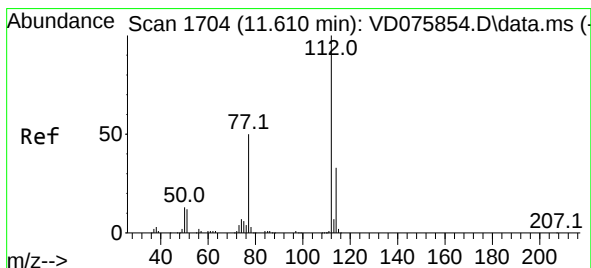
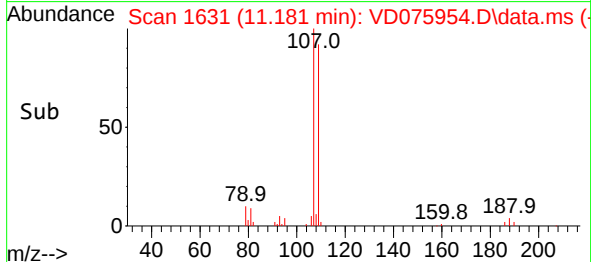
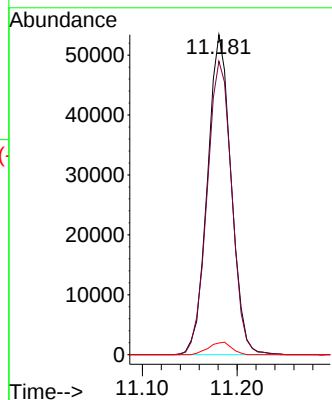
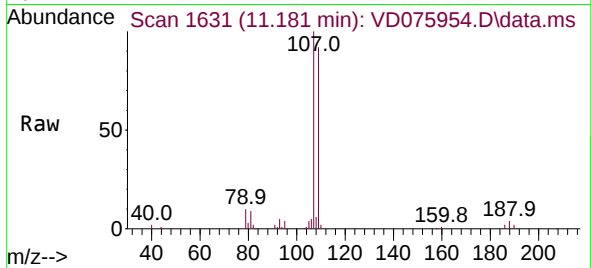




#50
1,2-Dibromoethane
Concen: 26.143 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

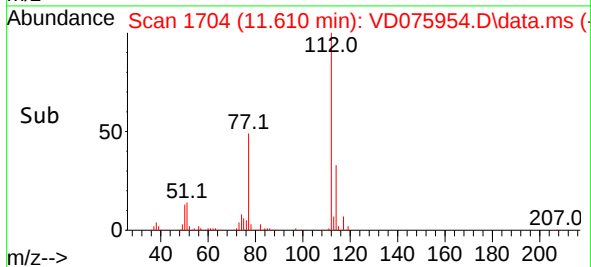
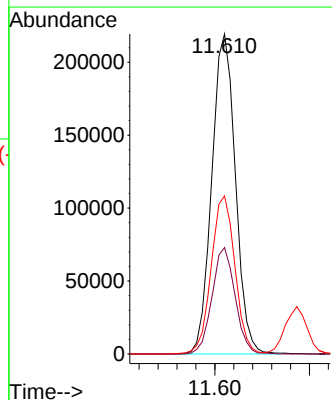
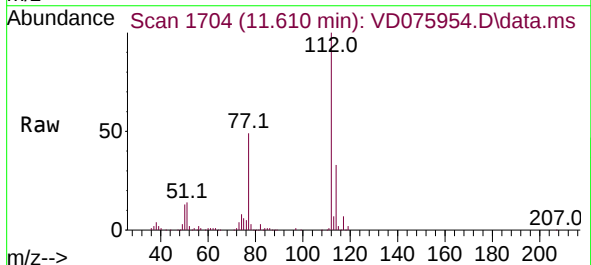
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

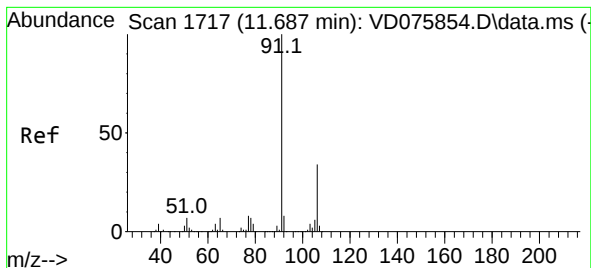
Tgt Ion:	107	Resp:	92911
Ion	Ratio	Lower	Upper
107	100		
109	91.7	67.6	125.6
188	3.7	3.0	4.6



#51
Chlorobenzene
Concen: 26.613 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion:	112	Resp:	380058
Ion	Ratio	Lower	Upper
112	100		
114	33.2	23.0	42.8
77	49.4	39.7	59.5

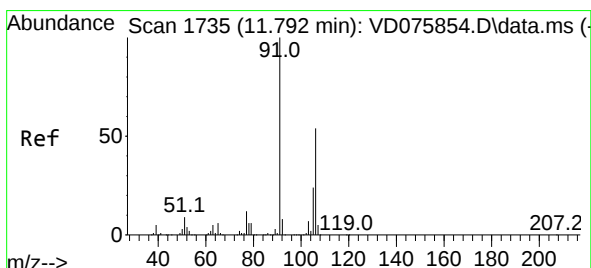
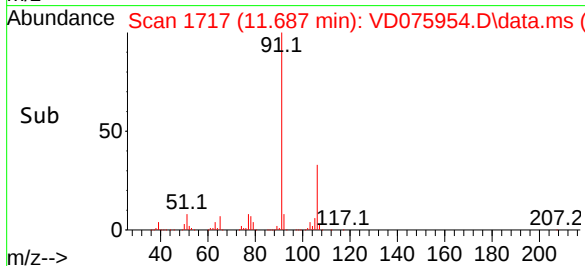
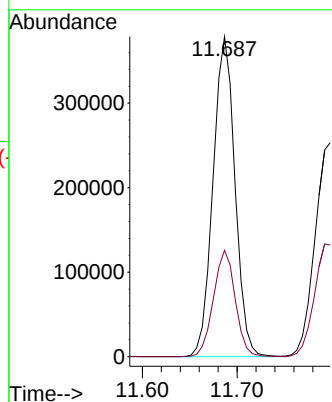
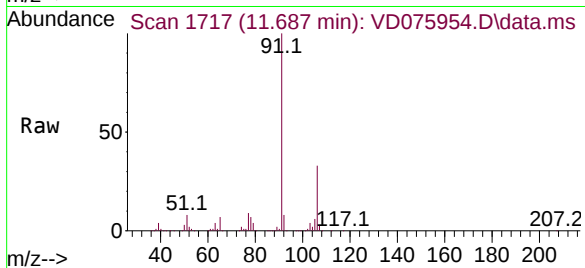




#52
Ethylbenzene
Concen: 27.248 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

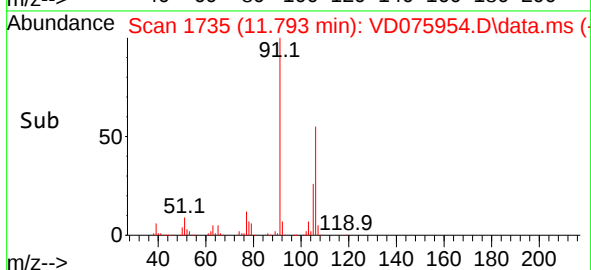
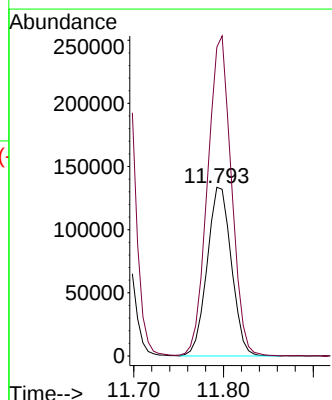
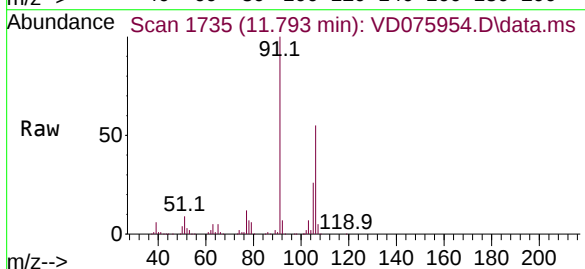
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

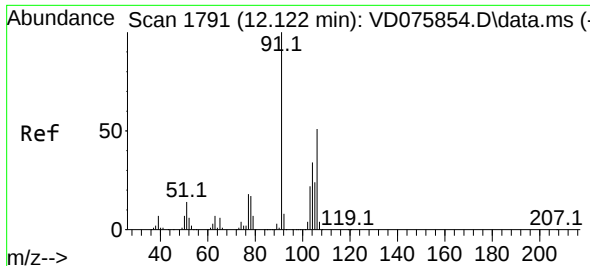
Tgt Ion: 91 Resp: 609929
Ion Ratio Lower Upper
91 100
106 33.2 23.7 43.9



#53
m,p-Xylene
Concen: 28.176 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion: 106 Resp: 251143
Ion Ratio Lower Upper
106 100
91 183.2 130.9 243.1

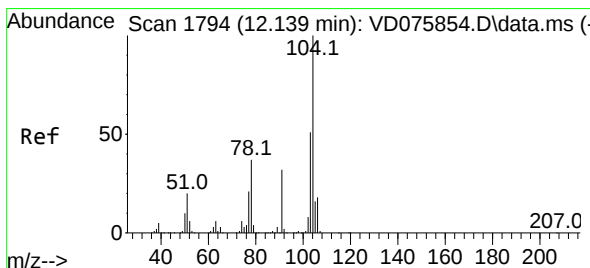
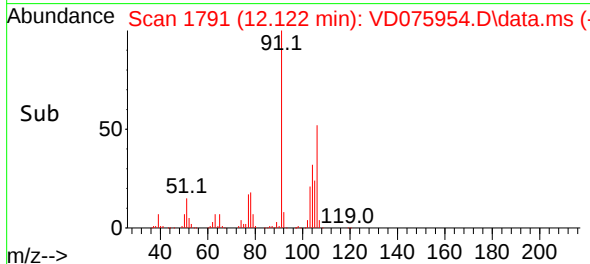
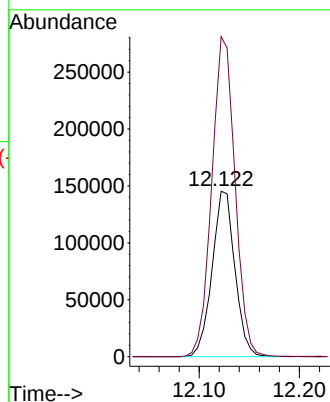
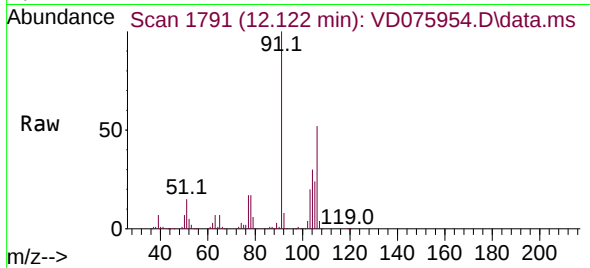




#54
o-Xylene
Concen: 27.066 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

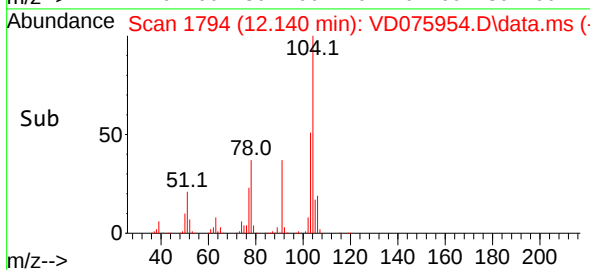
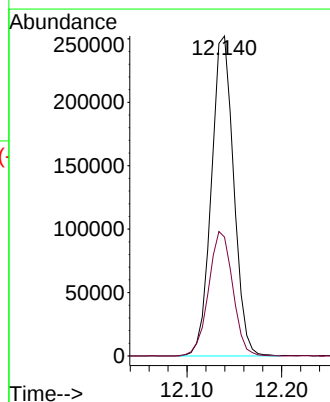
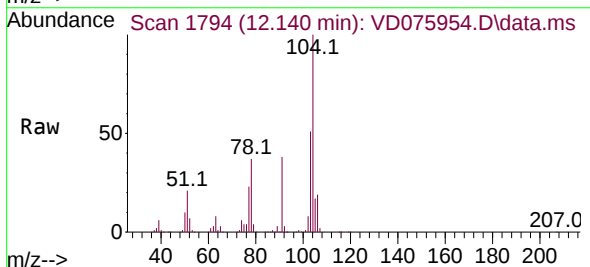
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

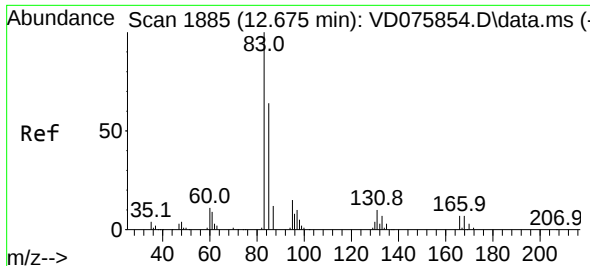
Tgt Ion:106 Resp: 229141
Ion Ratio Lower Upper
106 100
91 193.4 139.8 259.6



#55
Styrene
Concen: 28.048 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion:104 Resp: 413279
Ion Ratio Lower Upper
104 100
78 37.2 26.2 48.6

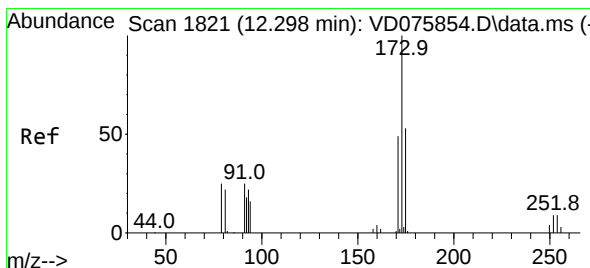
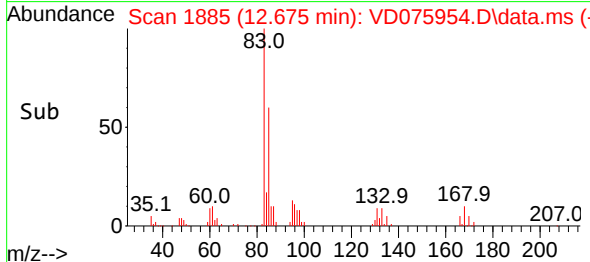
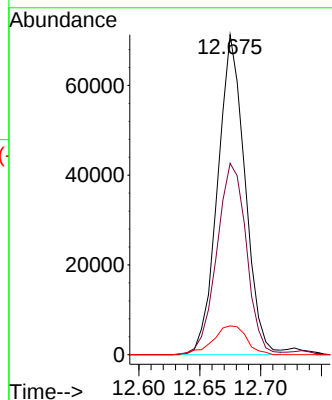
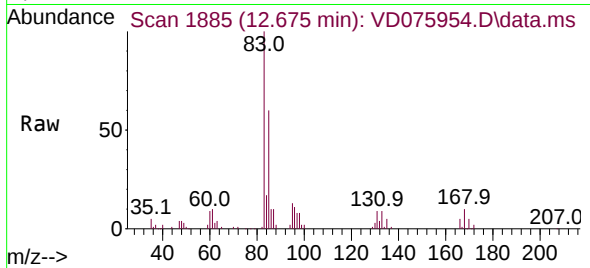




#57
1,1,2,2-Tetrachloroethane
Concen: 27.718 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

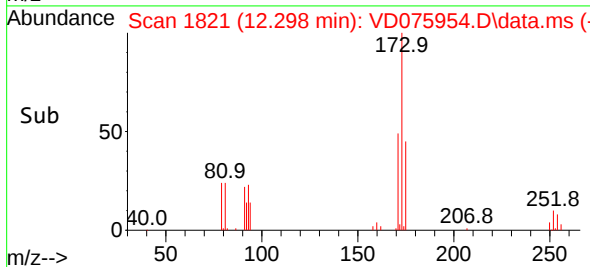
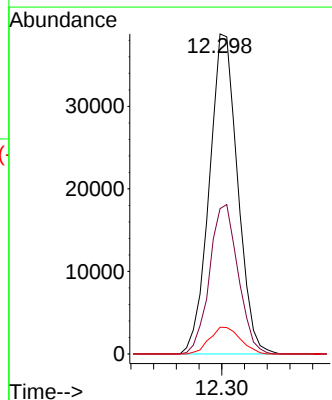
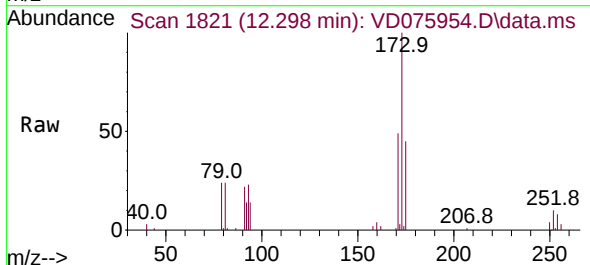
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

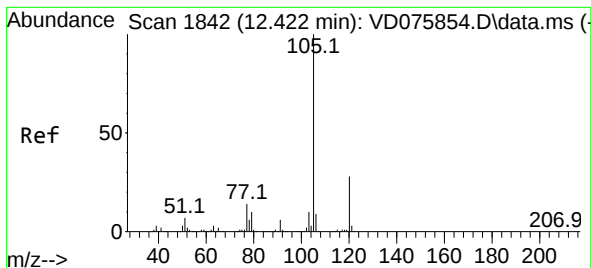
Tgt Ion: 83 Resp: 111175
Ion Ratio Lower Upper
83 100
85 59.8 45.1 83.7
131 9.0 7.0 10.6



#59
Bromoform
Concen: 25.703 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion: 173 Resp: 67169
Ion Ratio Lower Upper
173 100
175 47.0 39.4 59.0
254 9.1 7.4 11.2





#60

Isopropylbenzene

Concen: 26.243 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTD025144

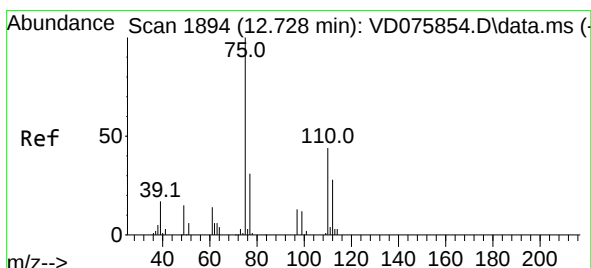
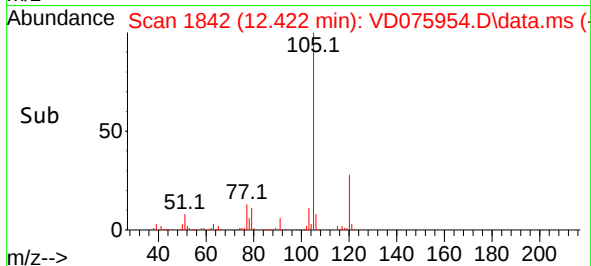
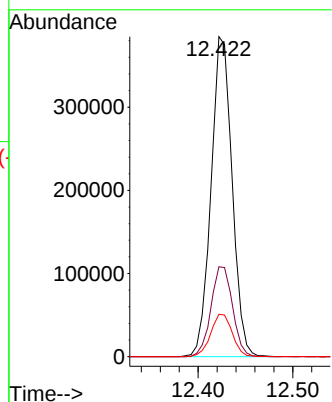
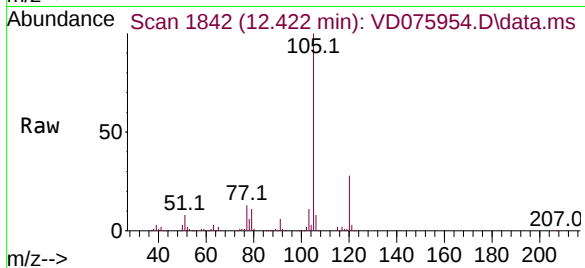
Tgt Ion:105 Resp: 593338

Ion Ratio Lower Upper

105 100

120 28.9 22.7 34.1

77 13.6 10.9 16.3



#61

1,2,3-Trichloropropane

Concen: 25.849 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

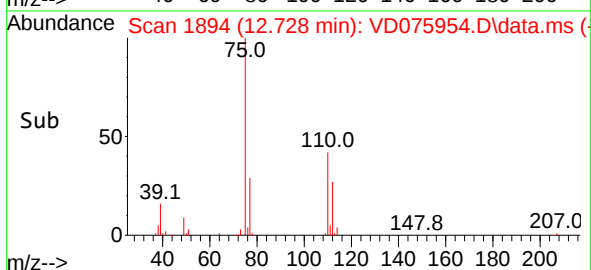
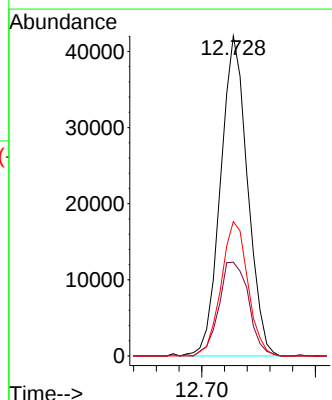
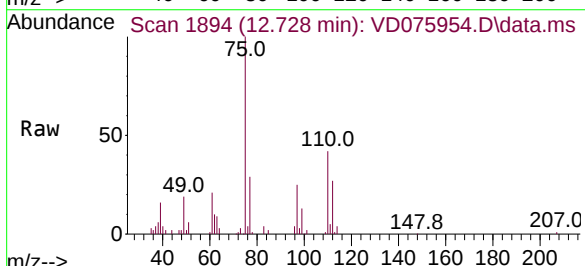
Tgt Ion: 75 Resp: 69237

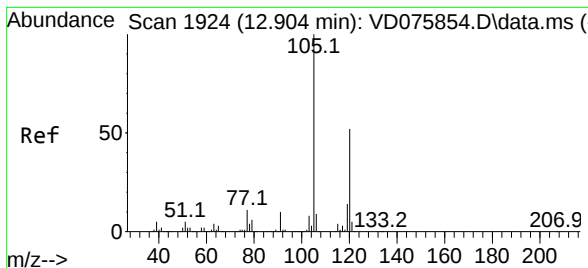
Ion Ratio Lower Upper

75 100

77 32.3 26.6 39.8

110 41.7 33.5 50.3

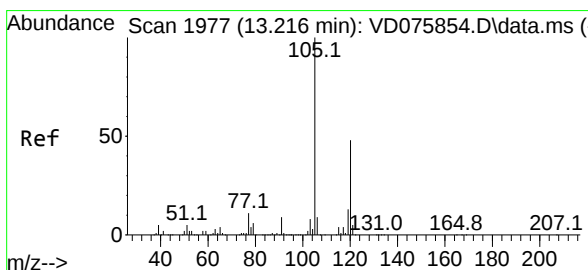
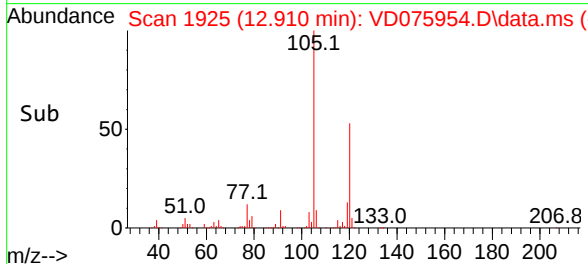
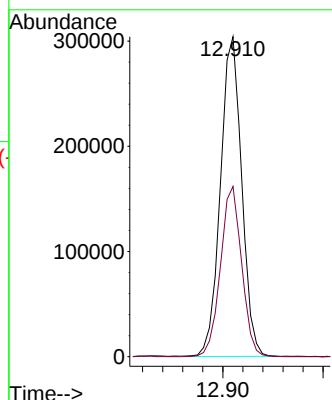
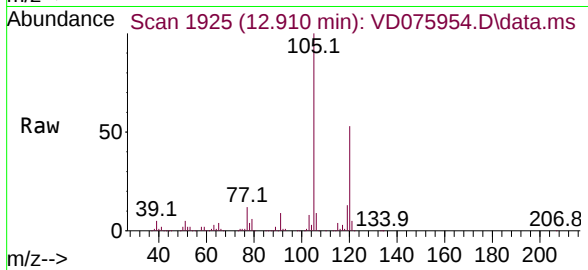




#62
1,3,5-Trimethylbenzene
Concen: 26.498 ug/L
RT: 12.910 min Scan# 1925
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

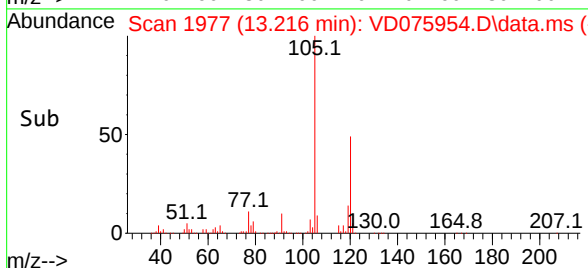
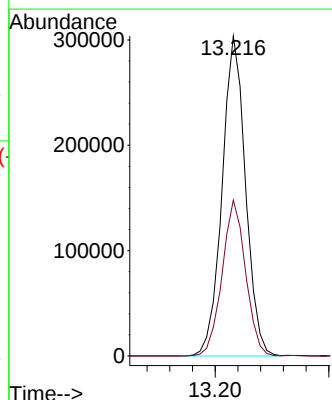
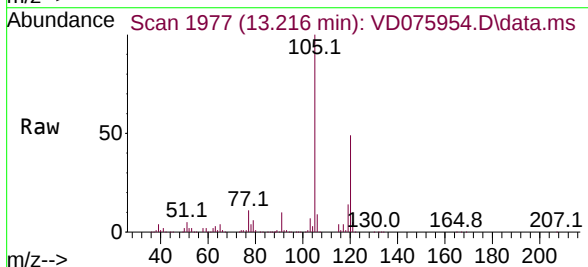
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

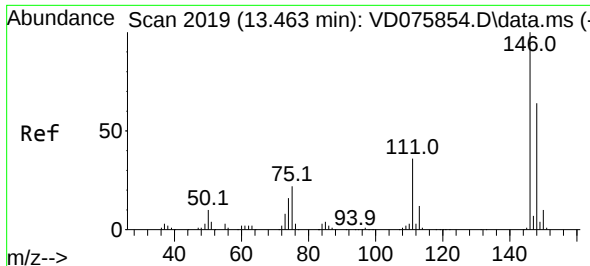
Tgt Ion:105 Resp: 446745
Ion Ratio Lower Upper
105 100
120 53.0 42.0 63.0



#63
1,2,4-Trimethylbenzene
Concen: 26.739 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion:105 Resp: 434562
Ion Ratio Lower Upper
105 100
120 48.7 39.0 58.6

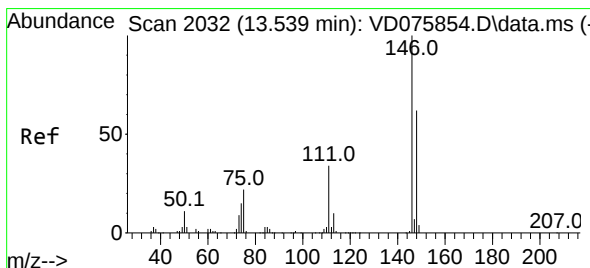
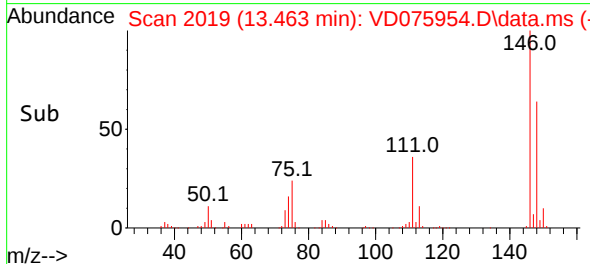
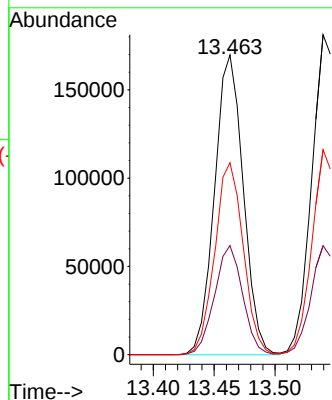
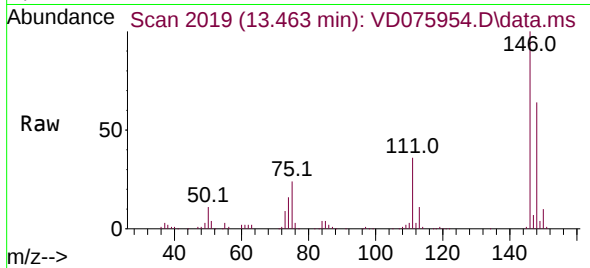




#64
1,3-Dichlorobenzene
Concen: 25.785 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

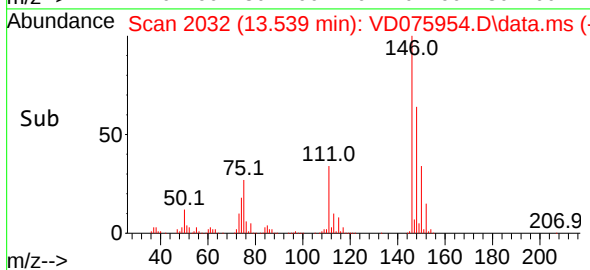
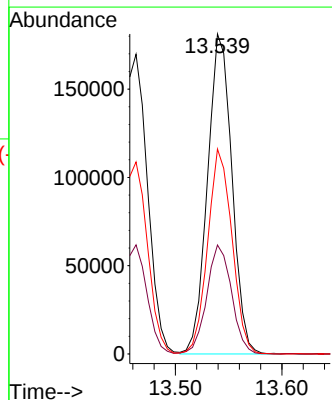
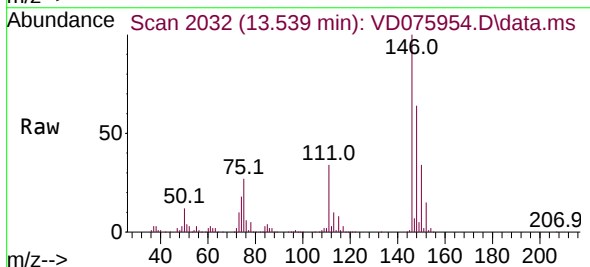
Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

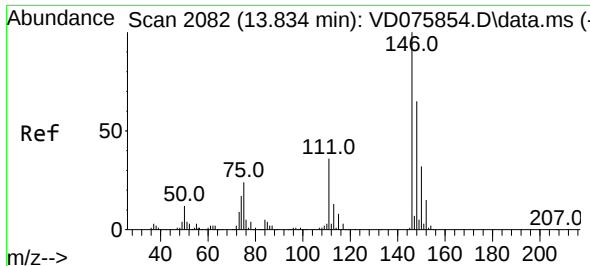
Tgt Ion:146 Resp: 278938
Ion Ratio Lower Upper
146 100
111 36.4 26.5 49.1
148 64.1 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 25.476 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion:146 Resp: 289249
Ion Ratio Lower Upper
146 100
111 34.1 24.6 45.8
148 64.1 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 25.827 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTD025144

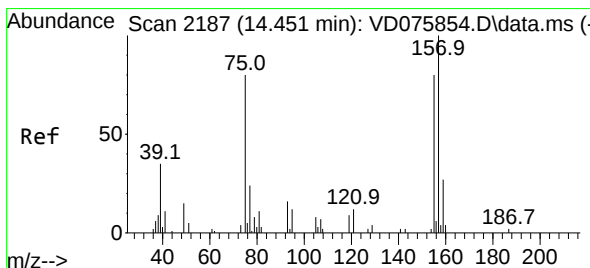
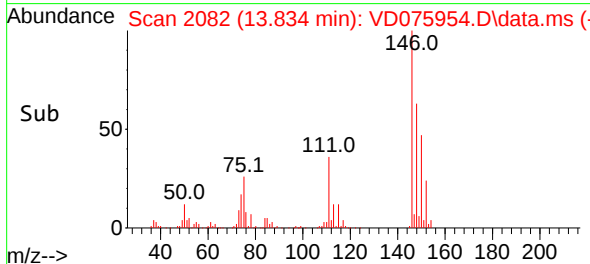
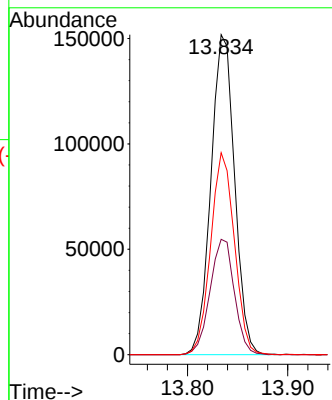
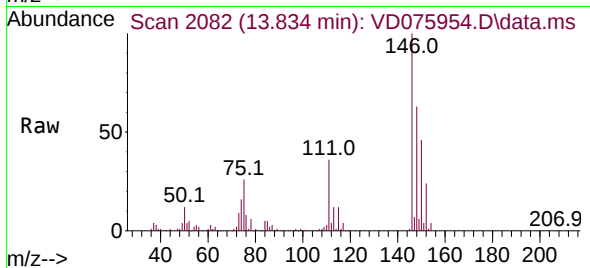
Tgt Ion:146 Resp: 249503

Ion Ratio Lower Upper

146 100

111 36.1 30.6 46.0

148 63.1 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.290 ug/L

RT: 14.451 min Scan# 2187

Delta R.T. -0.000 min

Lab File: VD075954.D

Acq: 02 May 2023 09:52

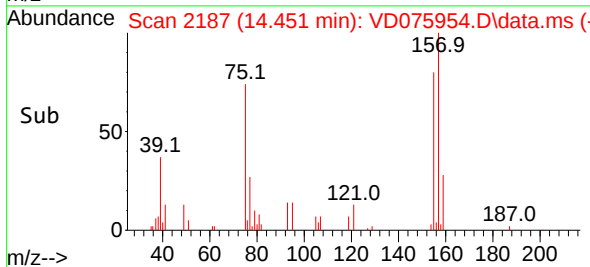
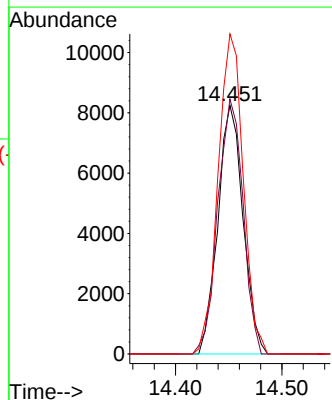
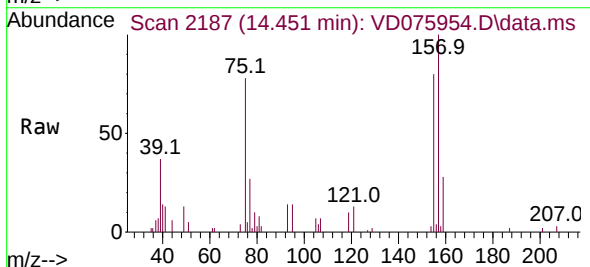
Tgt Ion: 75 Resp: 13542

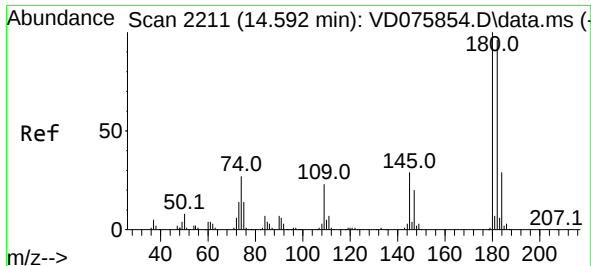
Ion Ratio Lower Upper

75 100

155 102.6 74.6 111.8

157 128.8 109.4 164.2

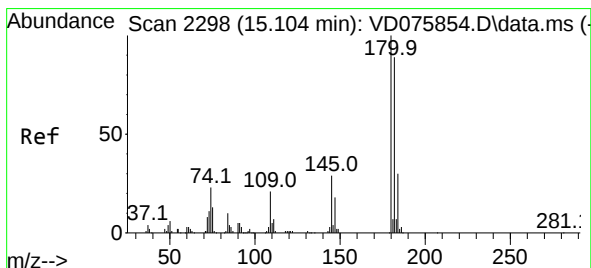
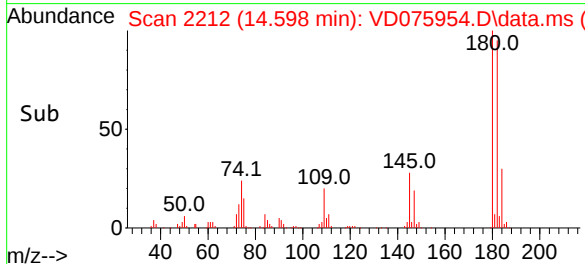
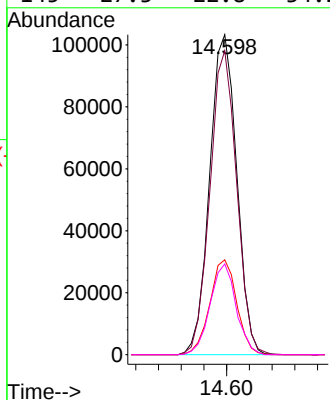
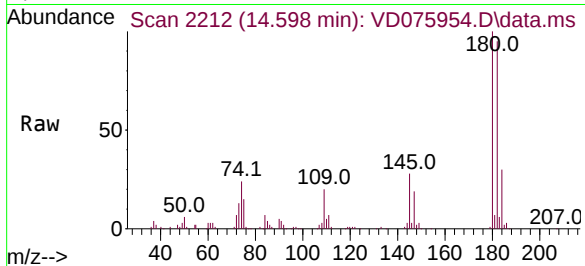




#69
 1,3,5-Trichlorobenzene
 Concen: 23.586 ug/L
 RT: 14.598 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VD075954.D
 Acq: 02 May 2023 09:52

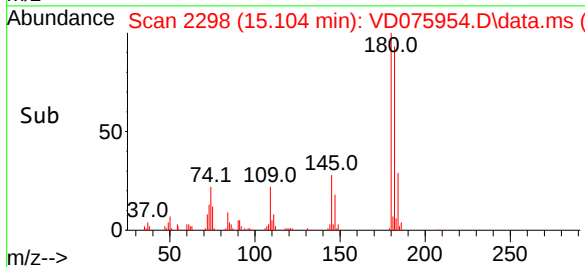
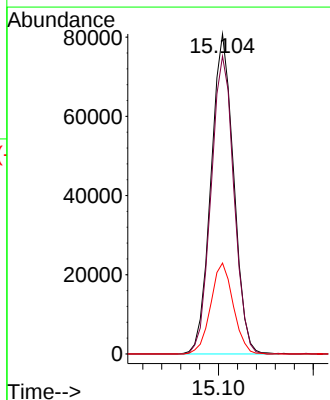
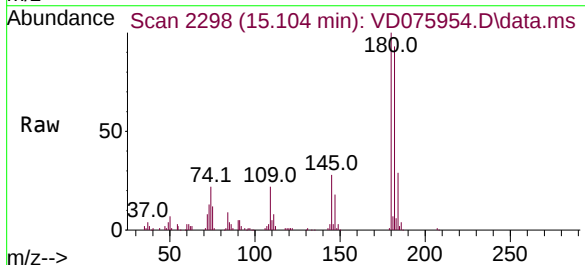
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025144

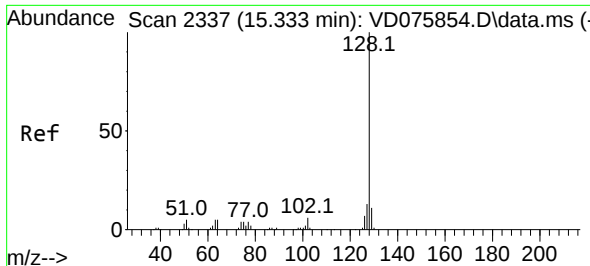
Tgt Ion:	180	Resp:	171017
Ion	Ratio	Lower	Upper
180	100		
182	93.6	74.9	112.3
184	29.5	25.0	37.4
145	27.3	22.8	34.2



#70
 1,2,4-trichlorobenzene
 Concen: 22.371 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. -0.000 min
 Lab File: VD075954.D
 Acq: 02 May 2023 09:52

Tgt Ion:	180	Resp:	134423
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.4	113.2
145	28.2	23.6	35.4

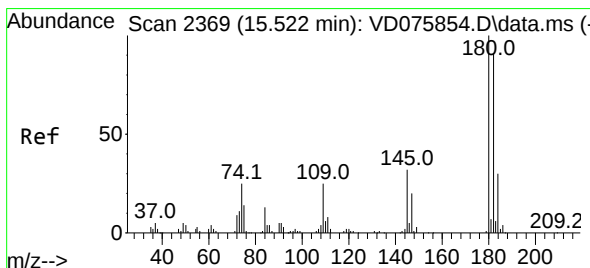
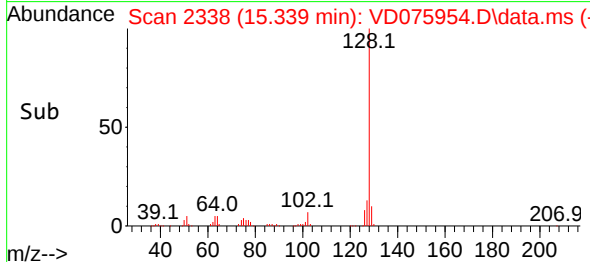
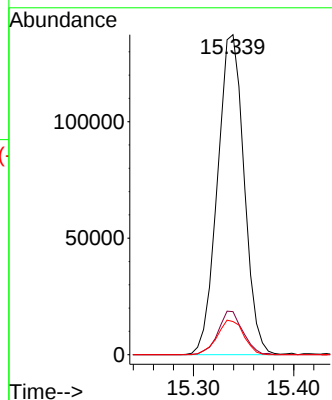
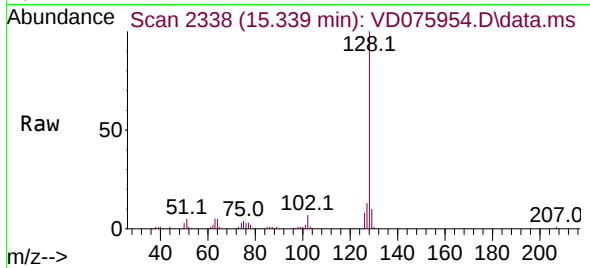




#71
Naphthalene
Concen: 23.032 ug/L
RT: 15.339 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTD025144

Tgt Ion:128 Resp: 253264
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.7 9.1 13.7



#72
1,2,3-Trichlorobenzene
Concen: 24.067 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. -0.000 min
Lab File: VD075954.D
Acq: 02 May 2023 09:52

Tgt Ion:180 Resp: 129091
Ion Ratio Lower Upper
180 100
182 92.1 76.3 114.5
145 29.7 25.0 37.6

