

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030123\
 Data File : VD075431.D
 Acq On : 01 Mar 2023 16:58
 Operator : KP/SY
 Sample : VSTDICV025
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VICV116

Quant Time: Mar 02 01:22:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 02 01:15:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	364375	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	325982	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	164993	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	167815	18.549	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.200%
7) Chloroethane-d5	2.805	69	153483	19.603	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	3.928	63	173532	20.534	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.120%
21) 2-Butanone-d5	6.993	46	39809	47.482	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.960%
24) Chloroform-d	7.569	84	202149	21.170	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.680%
26) 1,2-Dichloroethane-d4	8.228	65	86855	20.995	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	8.204	84	412806	21.323	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.280%
36) 1,2-Dichloropropane-d6	9.210	67	120690	22.057	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.240%
41) Toluene-d8	10.269	98	377403	21.369	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.480%
43) trans-1,3-Dichloroprop...	10.528	79	51765	23.151	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.600%
47) 2-Hexanone-d5	10.881	63	37751	47.825	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.660%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	105008	22.943	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.760%
66) 1,2-Dichlorobenzene-d4	13.816	152	123908	21.470	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	127175	22.686	ug/L	98
3) Chloromethane	2.146	50	213874	22.687	ug/L	99
5) Vinyl chloride	2.281	62	270362	22.804	ug/L	98
6) Bromomethane	2.693	94	146907	26.145	ug/L	93
8) Chloroethane	2.834	64	180227	24.174	ug/L	99
9) Trichlorofluoromethane	3.175	101	206084	23.220	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	143275	23.368	ug/L	98
12) 1,1-Dichloroethene	3.940	96	125598	23.264	ug/L	98
13) Acetone	4.022	43	43124	45.533	ug/L	79
14) Carbon disulfide	4.269	76	347465	23.017	ug/L	99
15) Methyl Acetate	4.569	43	41822	26.021	ug/L	98
16) Methylene chloride	4.805	84	152082	19.762	ug/L	99
17) trans-1,2-Dichloroethene	5.310	96	138238	23.887	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	275081	25.577	ug/L	99
19) 1,1-Dichloroethane	6.110	63	235695	24.075	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	158816	24.293	ug/L	99
22) 2-Butanone	7.087	43	57714	48.022	ug/L	99
23) Bromochloromethane	7.428	128	71353	25.476	ug/L	94
25) Chloroform	7.599	83	256143	23.995	ug/L	99

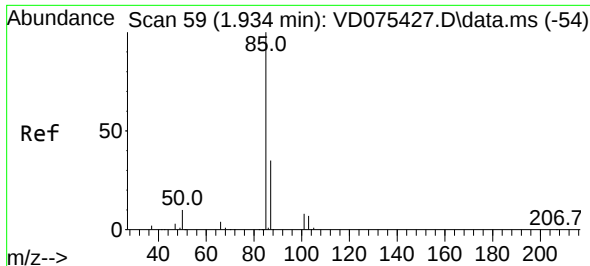
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 ClientSampleId :
 VICV116

Quant Time: Mar 02 01:22:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM030123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Mar 02 01:15:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	137657	23.913	ug/L	97
29) Cyclohexane	7.881	56	168233	24.119	ug/L	97
30) 1,1,1-Trichloroethane	7.793	97	204766	23.361	ug/L	98
31) Carbon tetrachloride	7.993	117	169328	24.322	ug/L	100
33) Benzene	8.252	78	569827	24.323	ug/L	100
34) Trichloroethene	9.028	95	145861	23.841	ug/L	98
35) Methylcyclohexane	9.275	83	230425	24.125	ug/L	99
37) 1,2-Dichloropropane	9.304	63	141184	24.525	ug/L	99
38) Bromodichloromethane	9.587	83	187678	24.645	ug/L	94
39) cis-1,3-Dichloropropene	10.016	75	222830	25.292	ug/L	100
40) 4-Methyl-2-pentanone	10.163	43	120060	54.383	ug/L	97
42) Toluene	10.334	91	640519	24.974	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	183824	25.325	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	115118	25.037	ug/L	96
46) Tetrachloroethene	10.810	164	110092	23.483	ug/L	96
48) 2-Hexanone	10.922	43	85896	52.881	ug/L	99
49) Dibromochloromethane	11.075	129	124997	24.887	ug/L	97
50) 1,2-Dibromoethane	11.181	107	106053	25.516	ug/L	98
51) Chlorobenzene	11.610	112	409730	24.579	ug/L	99
52) Ethylbenzene	11.687	91	685468	25.132	ug/L	99
53) m,p-Xylene	11.793	106	269776	25.105	ug/L	99
54) o-Xylene	12.122	106	260777	25.654	ug/L	99
55) Styrene	12.140	104	466061	25.814	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.675	83	129048	25.644	ug/L	96
59) Bromoform	12.304	173	74483	25.018	ug/L	98
60) Isopropylbenzene	12.422	105	697163	25.124	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	84911	25.673	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	531739	25.526	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	531195	26.079	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	303270	24.706	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	307151	24.325	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	268593	24.557	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	16198	25.219	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.598	180	188004	24.424	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	153646	24.825	ug/L	98
71) Naphthalene	15.333	128	315635	25.713	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	140041	25.670	ug/L	100

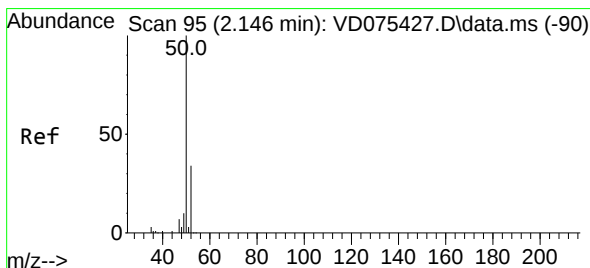
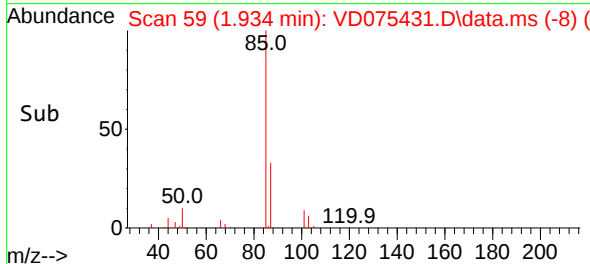
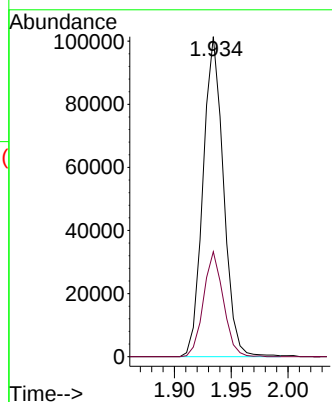
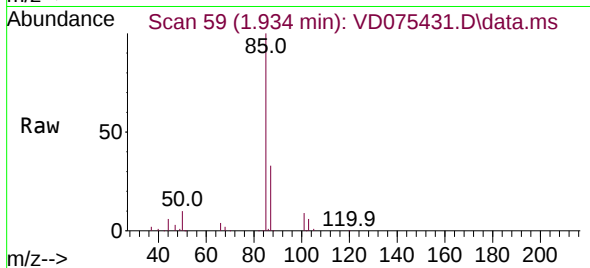
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 22.686 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

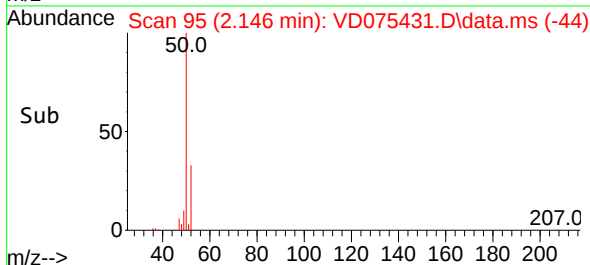
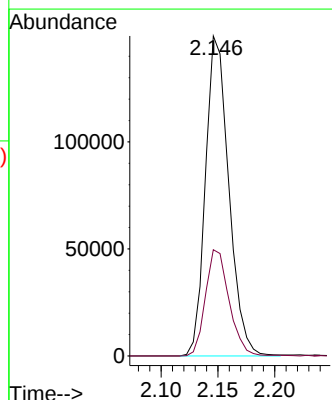
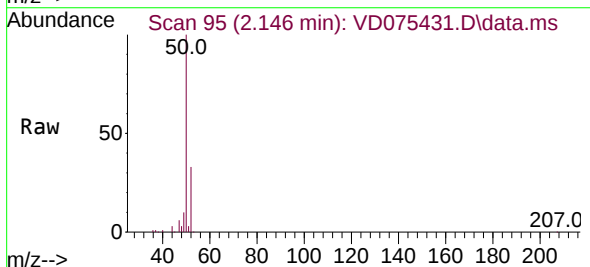
Instrument :
MSVOA_D
ClientSampleId :
VICV116

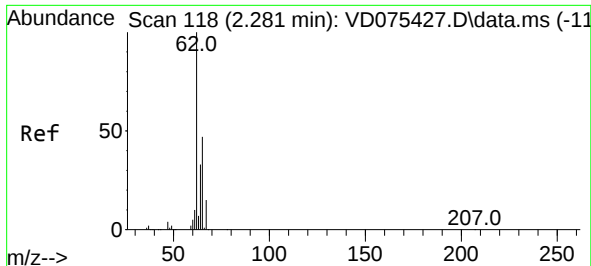
Tgt Ion: 85 Resp: 127175
Ion Ratio Lower Upper
85 100
87 31.7 26.4 39.6



#3
Chloromethane
Concen: 22.687 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion: 50 Resp: 213874
Ion Ratio Lower Upper
50 100
52 33.2 23.7 43.9

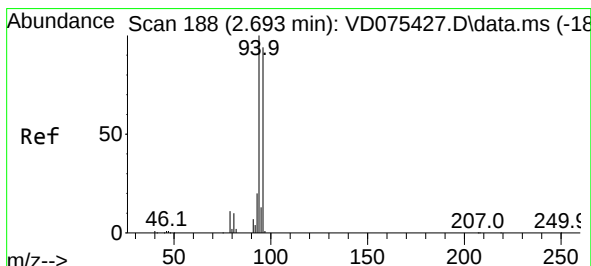
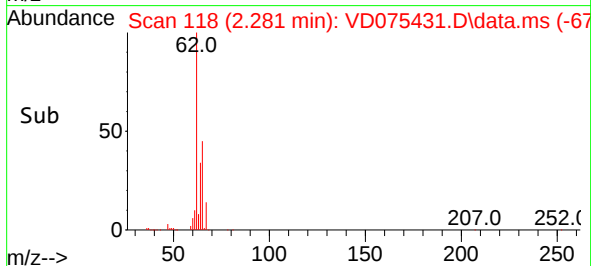
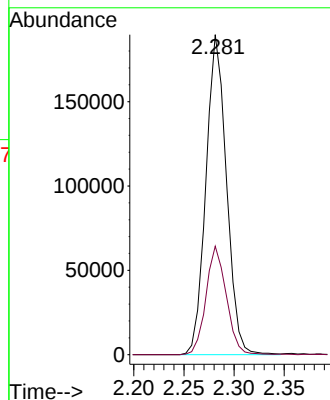
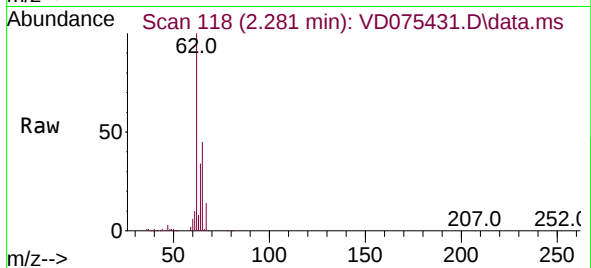




#5
 Vinyl chloride
 Concen: 22.804 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD075431.D
 Acq: 01 Mar 2023 16:58

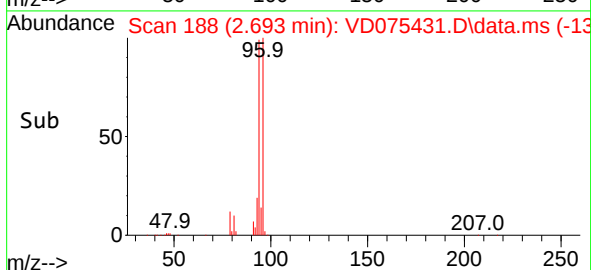
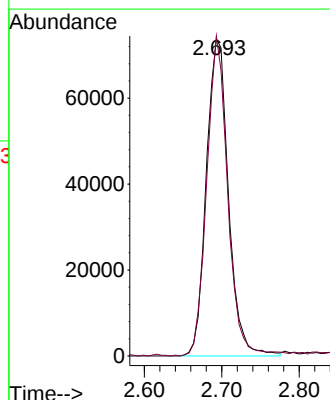
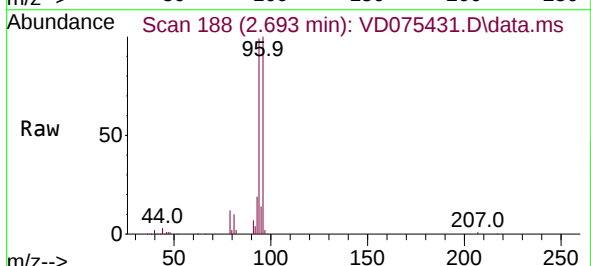
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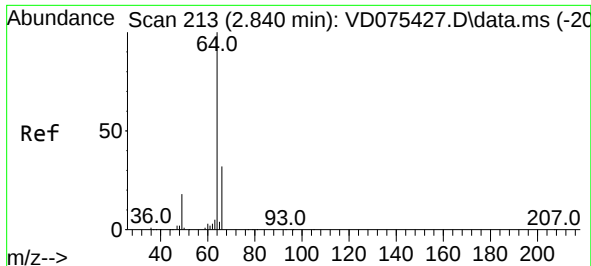
Tgt Ion: 62 Resp: 270362
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.7 42.3



#6
 Bromomethane
 Concen: 26.145 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD075431.D
 Acq: 01 Mar 2023 16:58

Tgt Ion: 94 Resp: 146907
 Ion Ratio Lower Upper
 94 100
 96 100.9 65.9 122.5

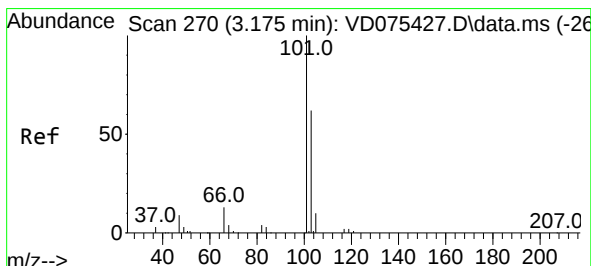
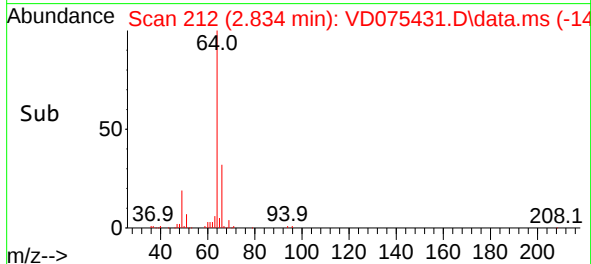
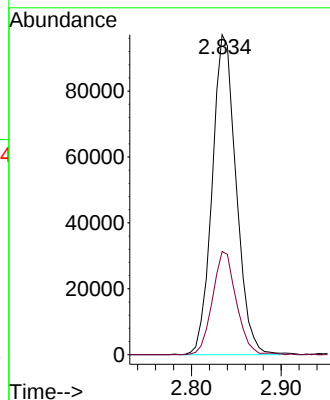
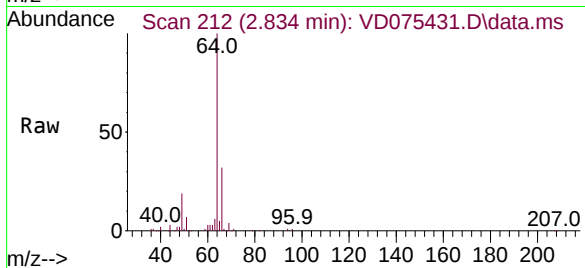




#8
Chloroethane
Concen: 24.174 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

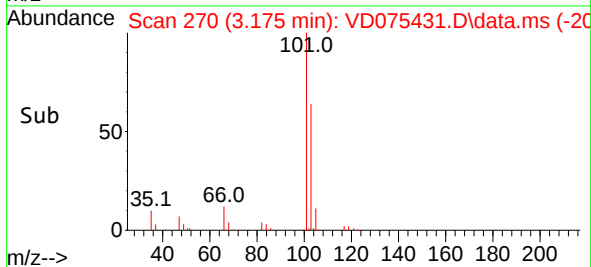
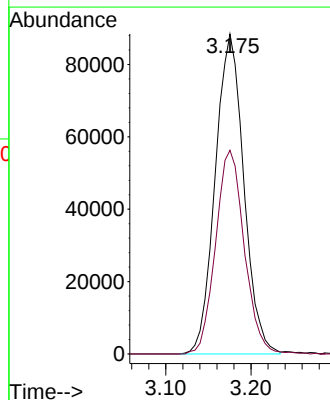
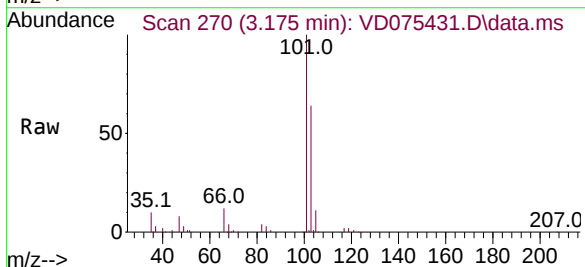
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ClientSampleId :
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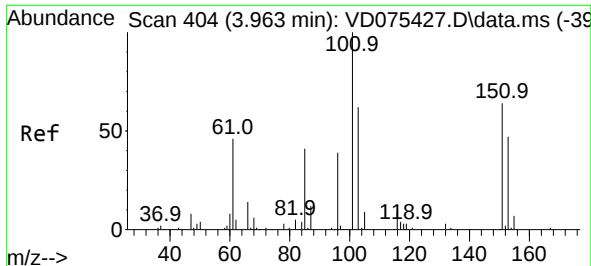
Tgt Ion: 64 Resp: 180227
Ion Ratio Lower Upper
64 100
66 32.2 22.2 41.2



#9
Trichlorofluoromethane
Concen: 23.220 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion:101 Resp: 206084
Ion Ratio Lower Upper
101 100
103 63.9 51.8 77.8

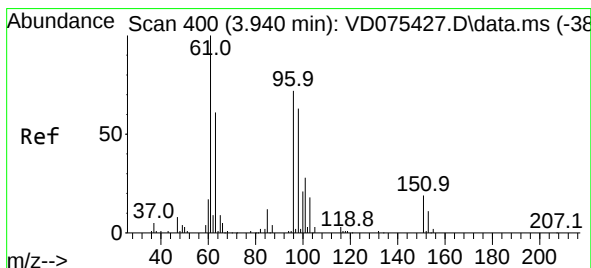
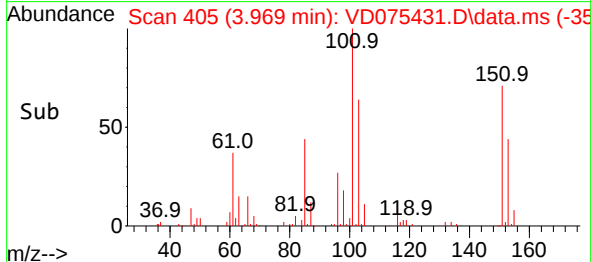
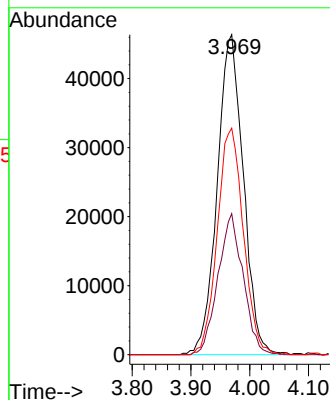
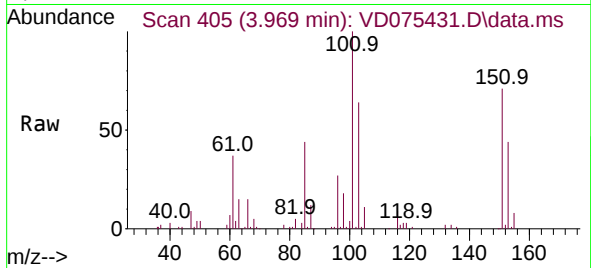




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.368 ug/L
RT: 3.969 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

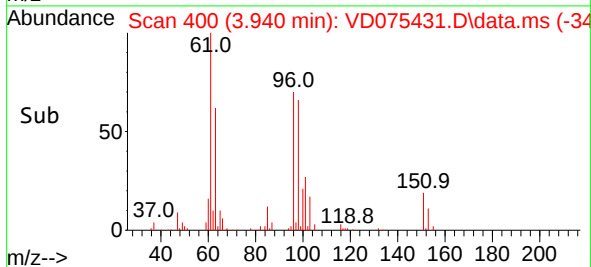
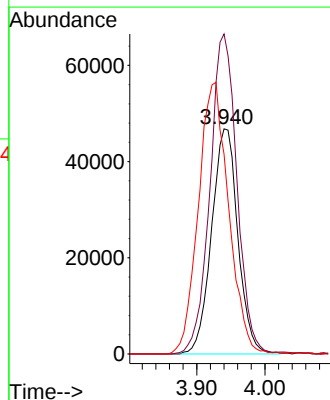
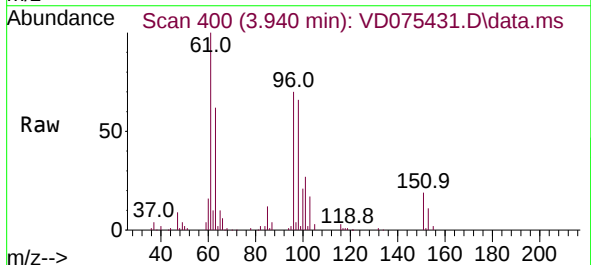
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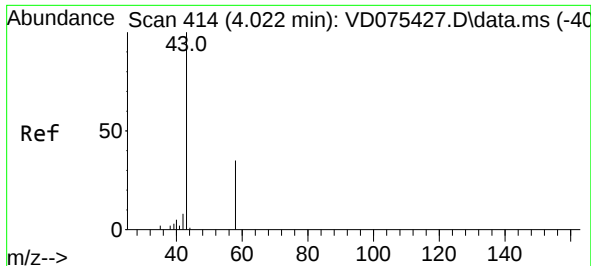
Tgt Ion:101 Resp: 143275
Ion Ratio Lower Upper
101 100
85 42.3 34.0 51.0
151 70.5 54.8 82.2



#12
1,1-Dichloroethene
Concen: 23.264 ug/L
RT: 3.940 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion: 96 Resp: 125598
Ion Ratio Lower Upper
96 100
61 142.1 97.5 181.1
63 88.7 62.4 116.0





#13

Acetone

Concen: 45.533 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

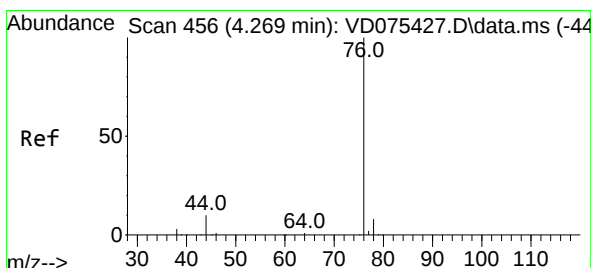
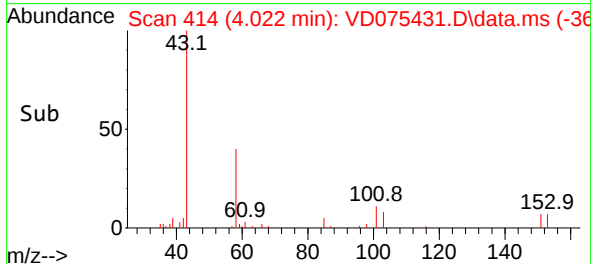
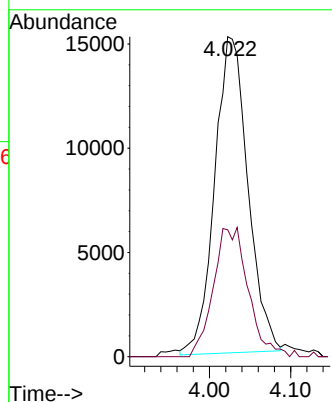
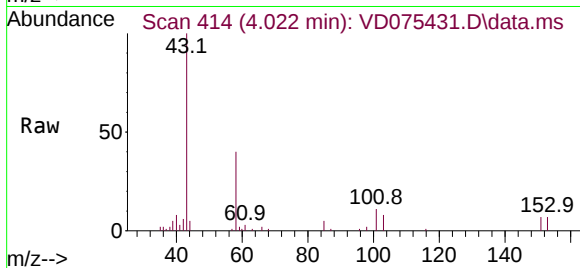
VICV116

Tgt Ion: 43 Resp: 43124

Ion Ratio Lower Upper

43 100

58 24.9 0.0 75.4



#14

Carbon disulfide

Concen: 23.017 ug/L

RT: 4.269 min Scan# 456

Delta R.T. 0.000 min

Lab File: VD075431.D

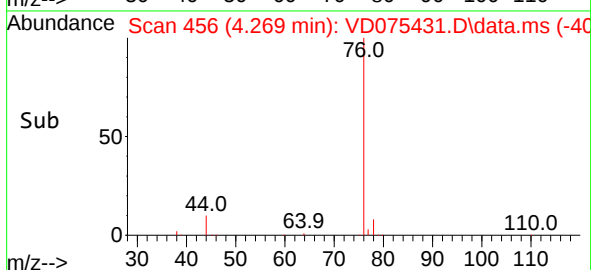
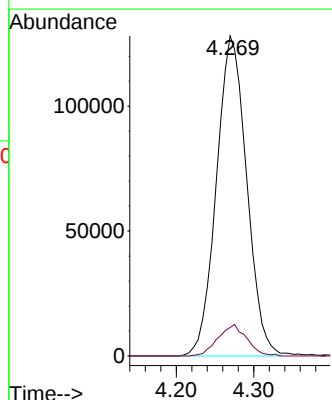
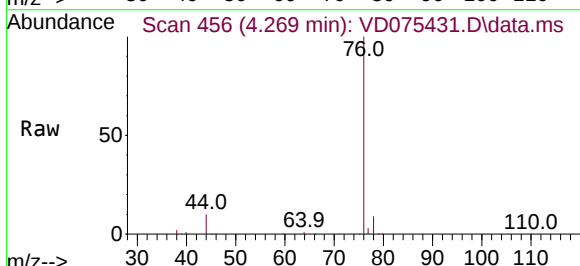
Acq: 01 Mar 2023 16:58

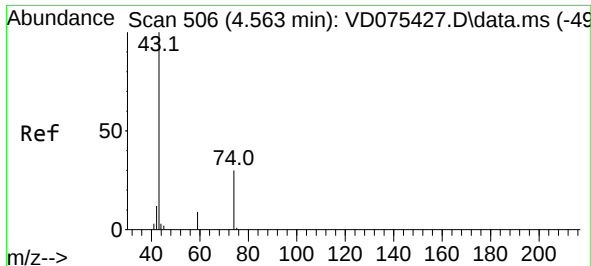
Tgt Ion: 76 Resp: 347465

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2

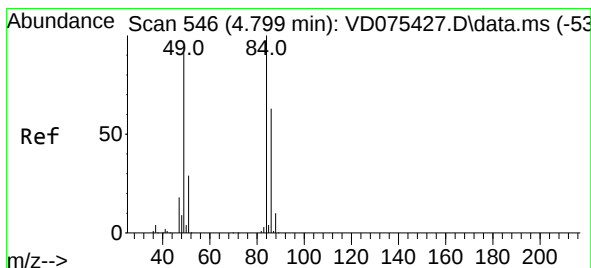
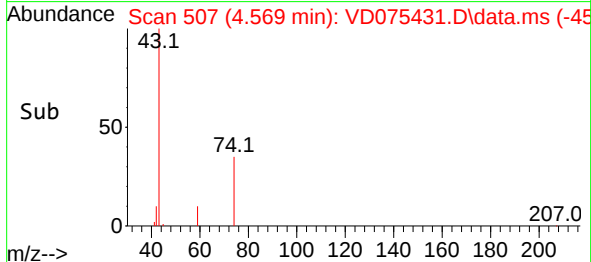
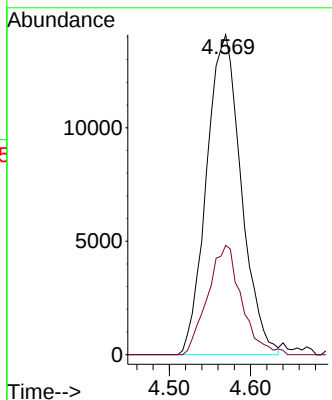
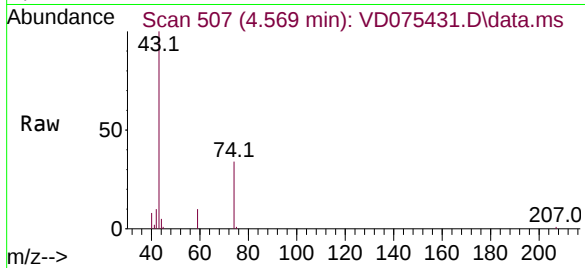




#15
Methyl Acetate
Concen: 26.021 ug/L
RT: 4.569 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

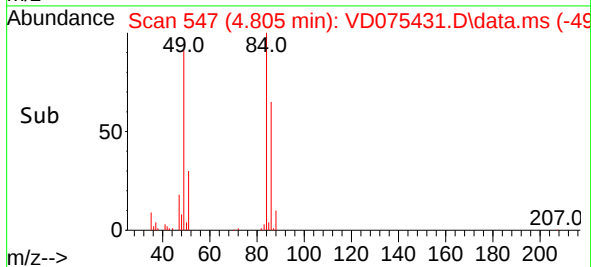
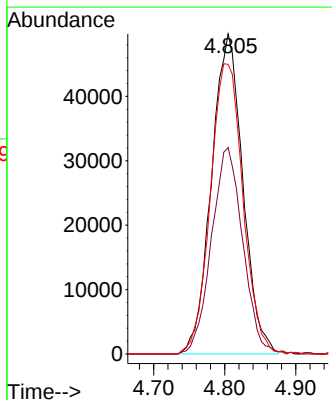
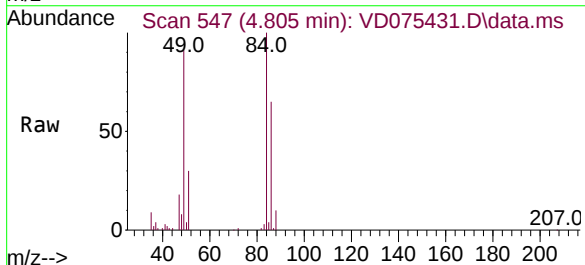
Instrument :
MSVOA_D
ClientSampleId :
VICV116

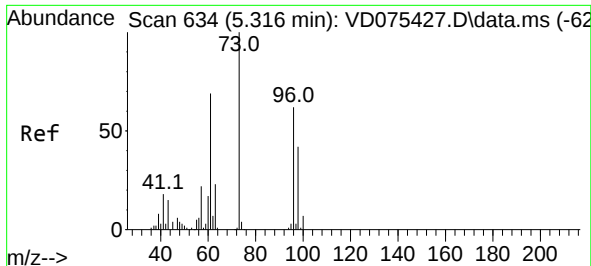
Tgt Ion: 43 Resp: 41822
Ion Ratio Lower Upper
43 100
74 33.0 25.7 38.5



#16
Methylene chloride
Concen: 19.762 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion: 84 Resp: 152082
Ion Ratio Lower Upper
84 100
86 64.5 44.2 82.2
49 90.5 63.6 118.2

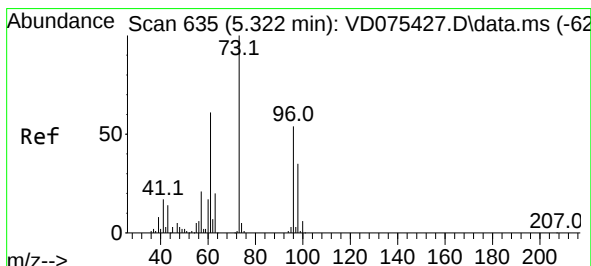
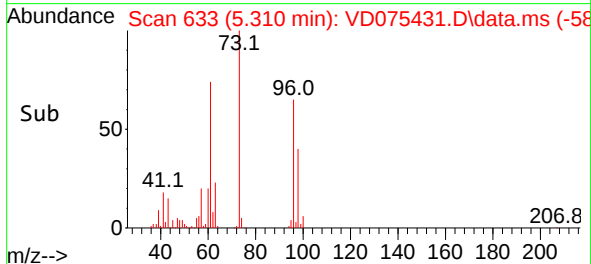
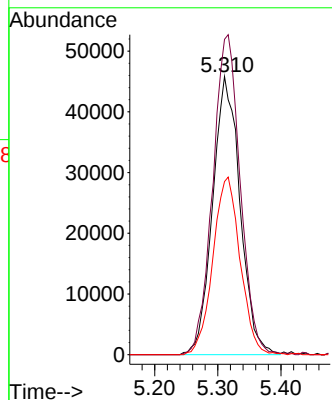
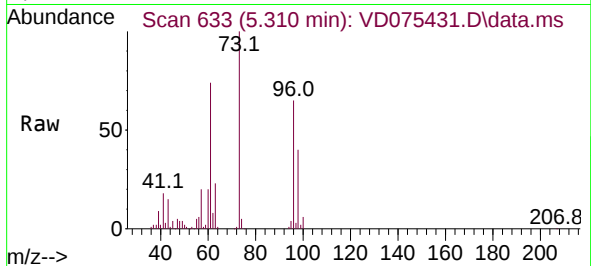




#17
trans-1,2-Dichloroethene
Concen: 23.887 ug/L
RT: 5.310 min Scan# 611
Delta R.T. -0.006 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

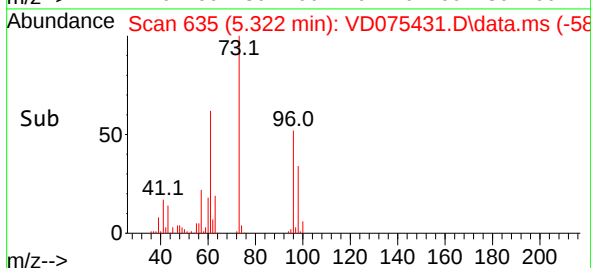
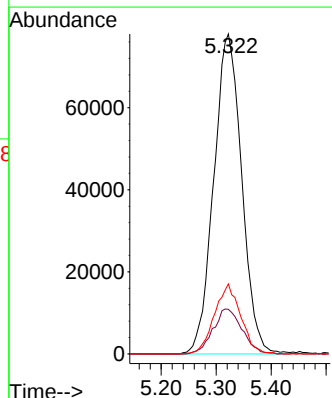
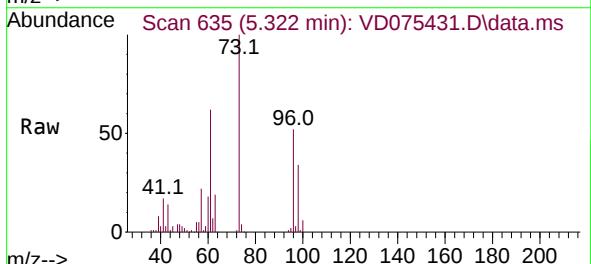
Instrument :
MSVOA_D
ClientSampleId :
VICV116

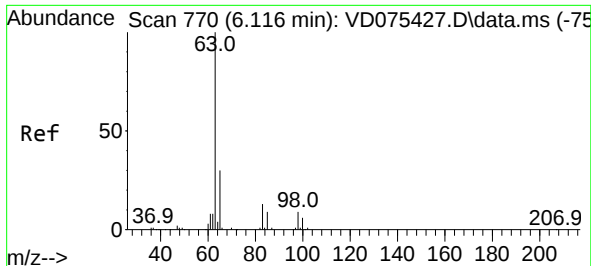
Tgt Ion: 96 Resp: 138238
Ion Ratio Lower Upper
96 100
61 113.4 77.8 144.6
98 62.2 47.0 87.4



#18
Methyl tert-butyl Ether
Concen: 25.577 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion: 73 Resp: 275081
Ion Ratio Lower Upper
73 100
43 14.6 12.1 18.1
57 20.5 17.0 25.4





#19

1,1-Dichloroethane

Concen: 24.075 ug/L

RT: 6.110 min Scan# 7

Delta R.T. -0.006 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

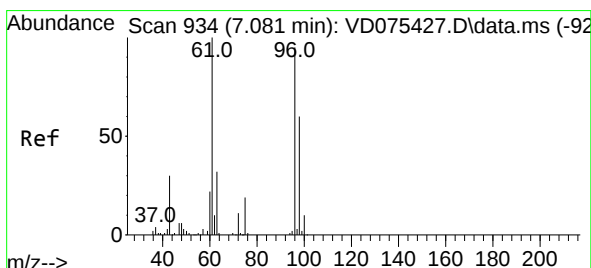
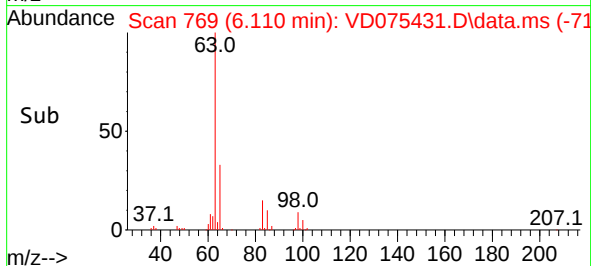
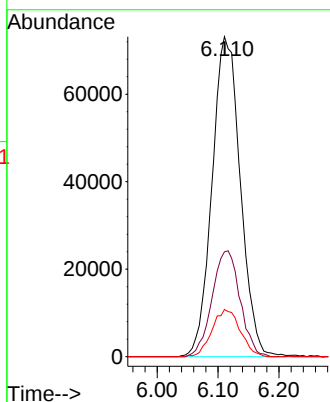
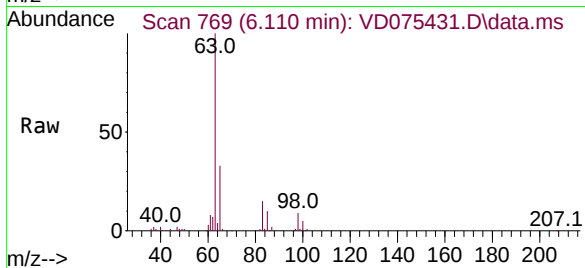
Tgt Ion: 63 Resp: 235695

Ion Ratio Lower Upper

63 100

65 32.7 21.1 39.3

83 14.7 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 24.293 ug/L

RT: 7.081 min Scan# 934

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

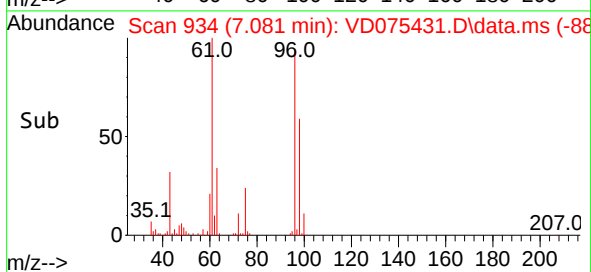
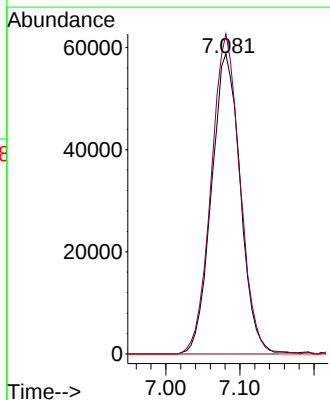
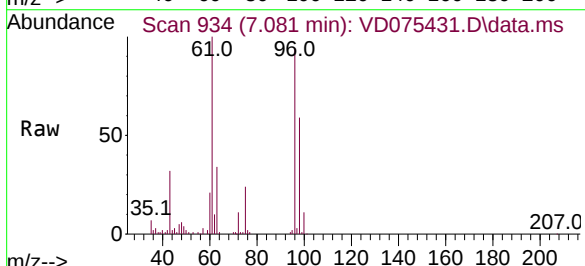
Tgt Ion: 96 Resp: 158816

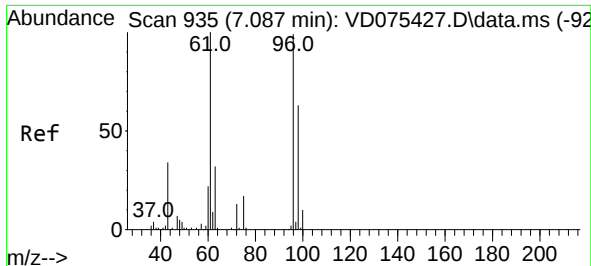
Ion Ratio Lower Upper

96 100

61 106.6 73.9 137.3

68 0.0 0.0 0.0

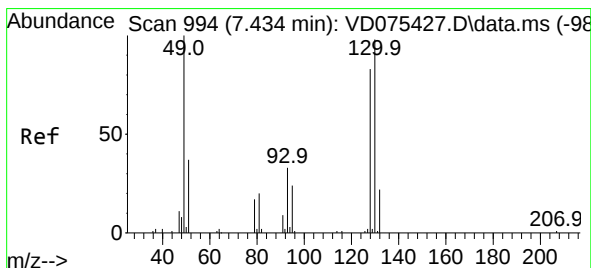
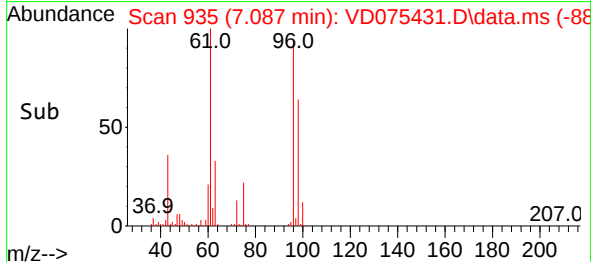
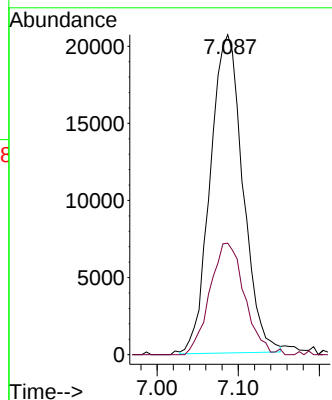
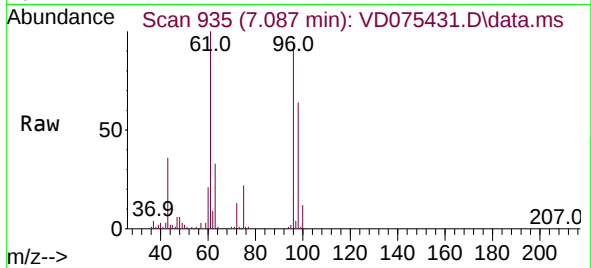




#22
2-Butanone
Concen: 48.022 ug/L
RT: 7.087 min Scan# 911
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

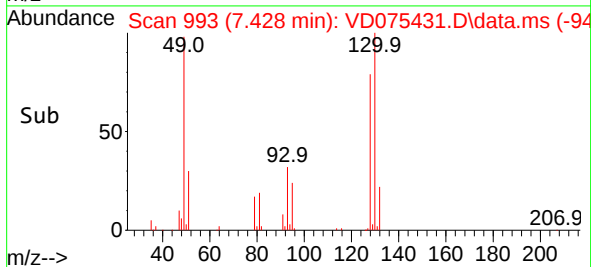
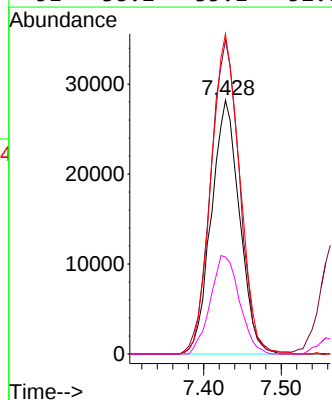
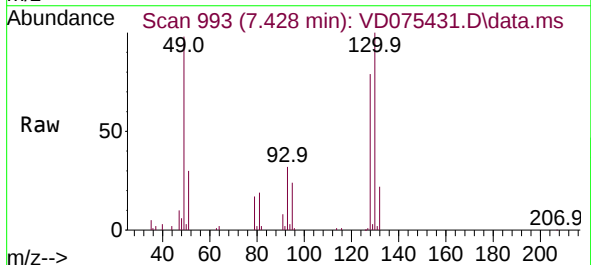
Instrument :
MSVOA_D
ClientSampleId :
VICV116

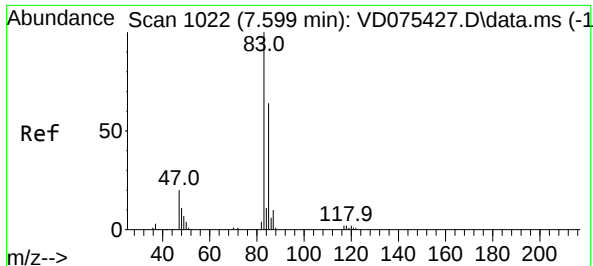
Tgt Ion: 43 Resp: 57714
Ion Ratio Lower Upper
43 100
72 36.9 18.3 54.9



#23
Bromochloromethane
Concen: 25.476 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion: 128 Resp: 71353
Ion Ratio Lower Upper
128 100
49 123.6 84.2 156.4
130 126.1 82.5 153.1
51 38.2 35.1 52.7





#25

Chloroform

Concen: 23.995 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

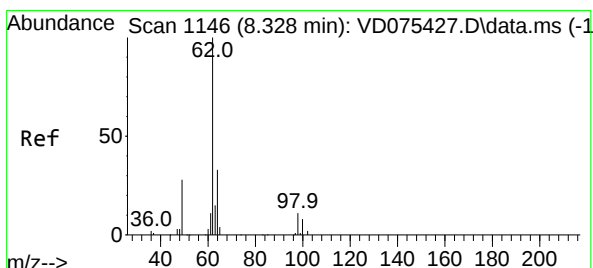
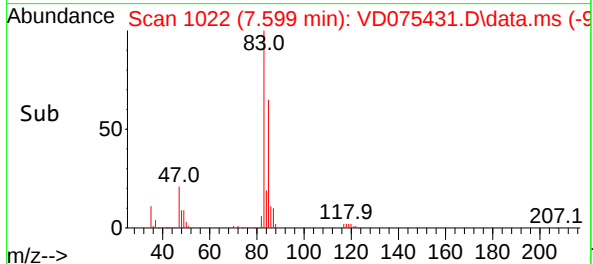
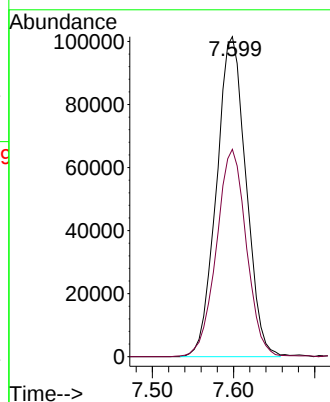
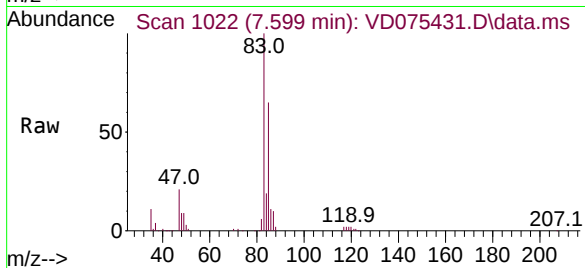
VICV116

Tgt Ion: 83 Resp: 256143

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.3



#27

1,2-Dichloroethane

Concen: 23.913 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD075431.D

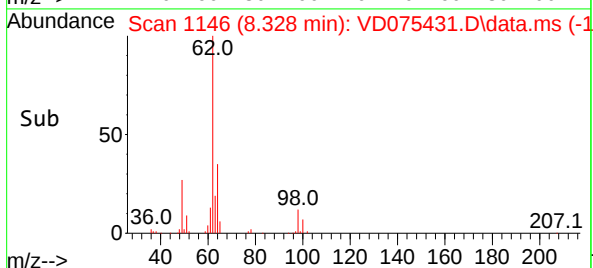
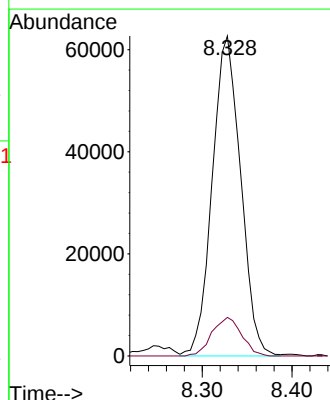
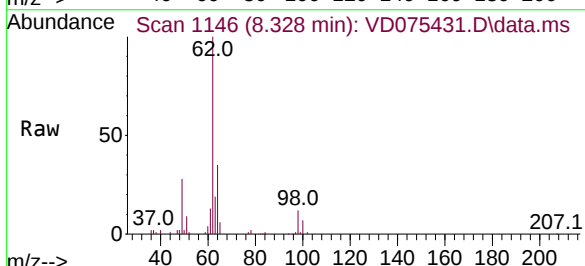
Acq: 01 Mar 2023 16:58

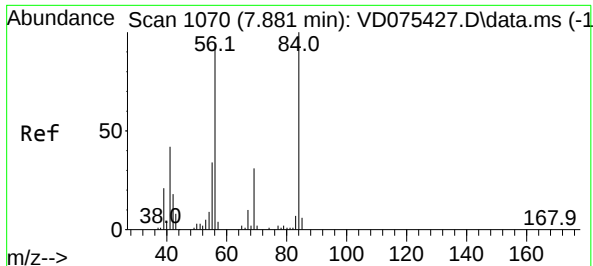
Tgt Ion: 62 Resp: 137657

Ion Ratio Lower Upper

62 100

98 12.1 8.8 13.2





#29

Cyclohexane

Concen: 24.119 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

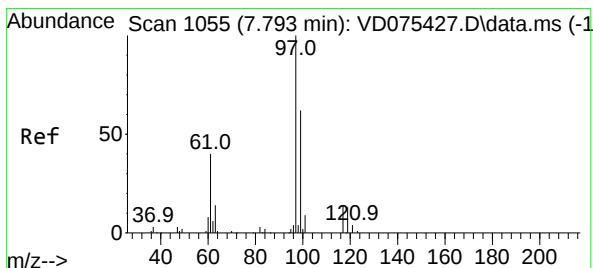
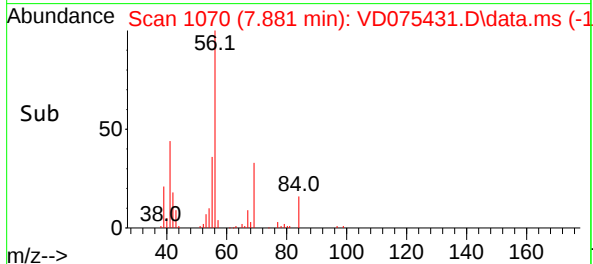
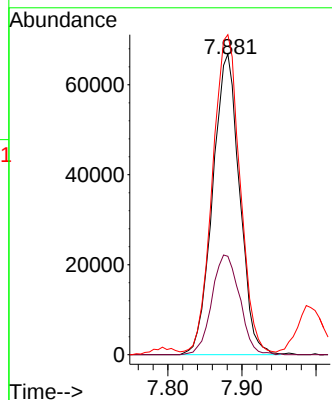
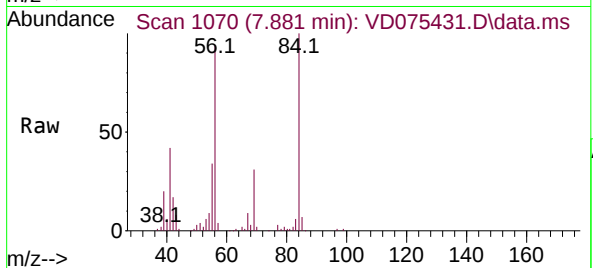
Tgt Ion: 56 Resp: 168233

Ion Ratio Lower Upper

56 100

69 34.1 27.0 40.6

84 109.7 85.0 127.6



#30

1,1,1-Trichloroethane

Concen: 23.361 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

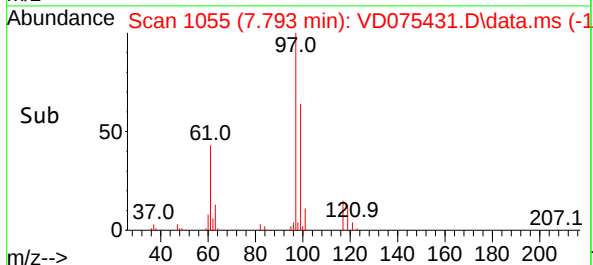
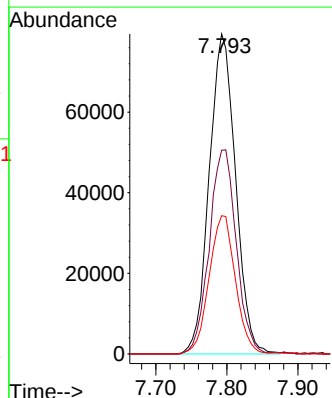
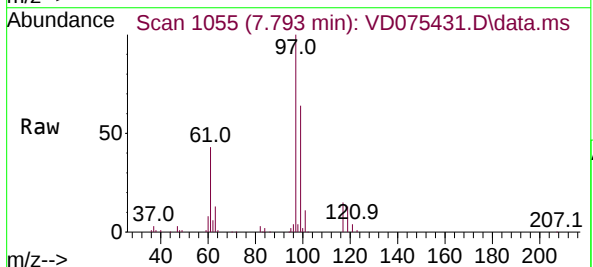
Tgt Ion: 97 Resp: 204766

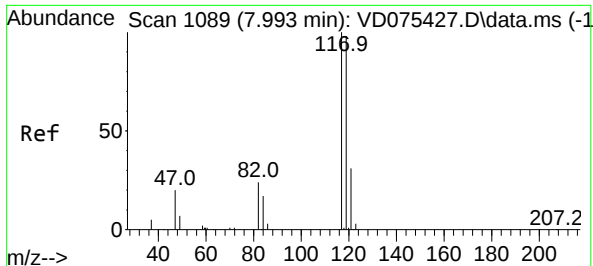
Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.4

61 43.1 34.0 51.0

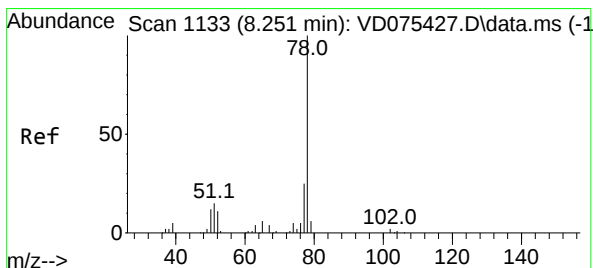
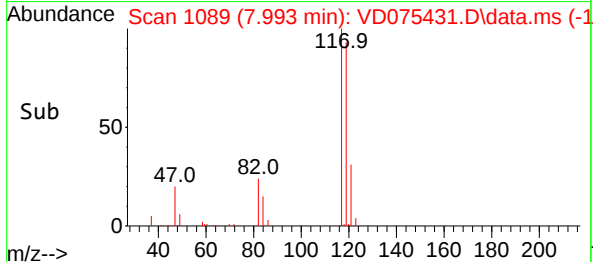
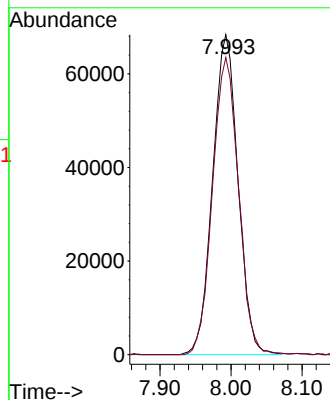
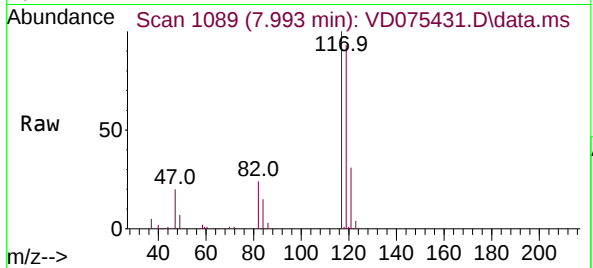




#31
Carbon tetrachloride
Concen: 24.322 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

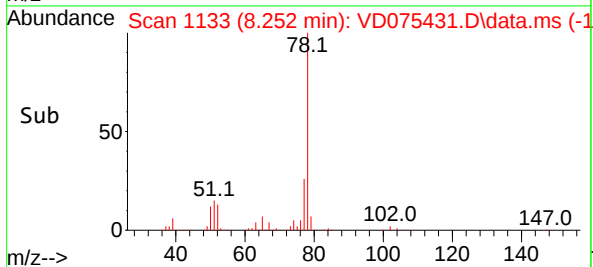
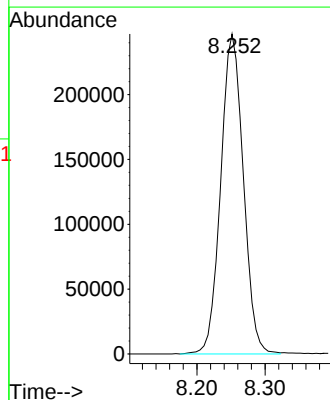
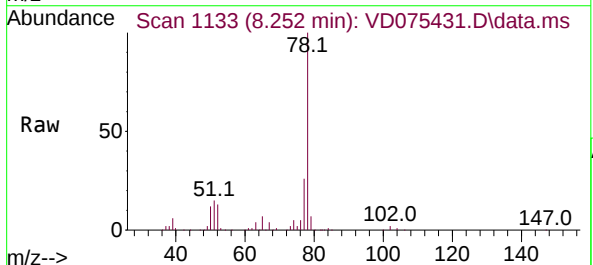
Instrument :
MSVOA_D
ClientSampleId :
VICV116

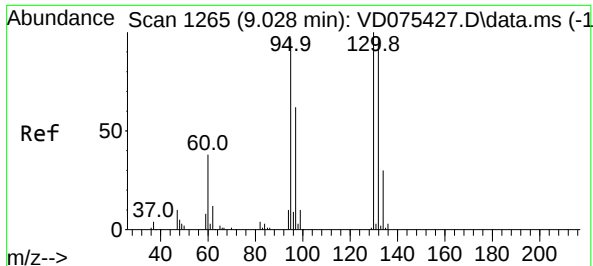
Tgt Ion:117 Resp: 169328
Ion Ratio Lower Upper
117 100
119 95.1 76.2 114.2



#33
Benzene
Concen: 24.323 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion: 78 Resp: 569827

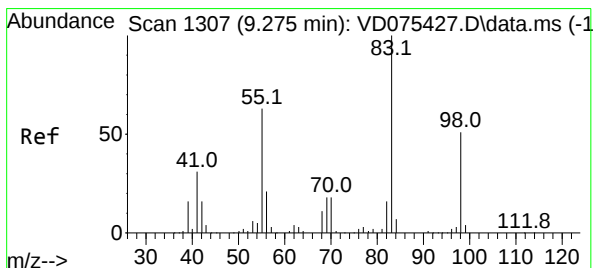
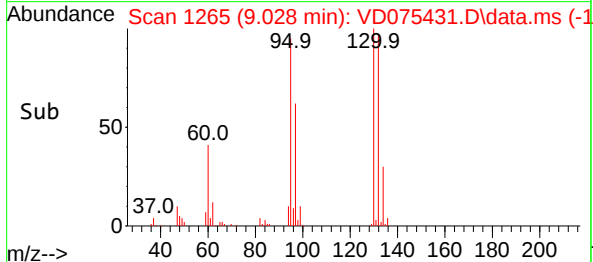
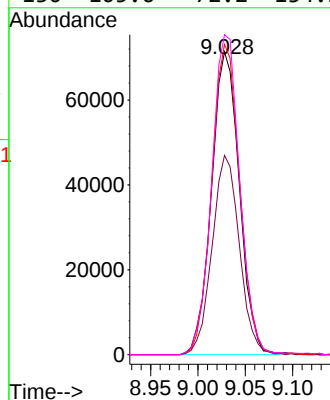
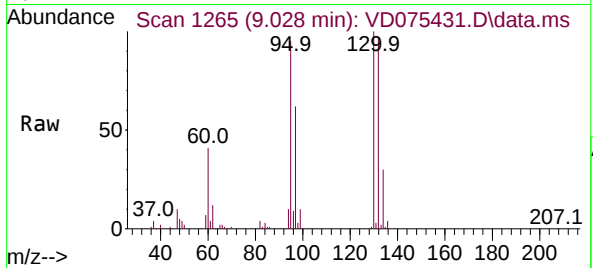




#34
Trichloroethene
Concen: 23.841 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

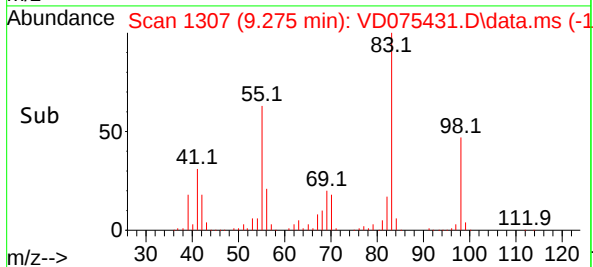
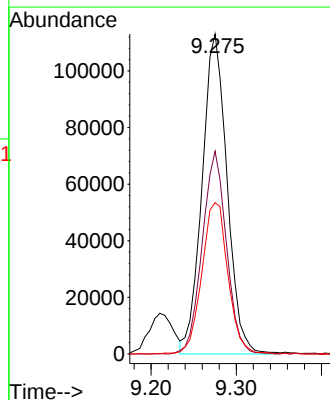
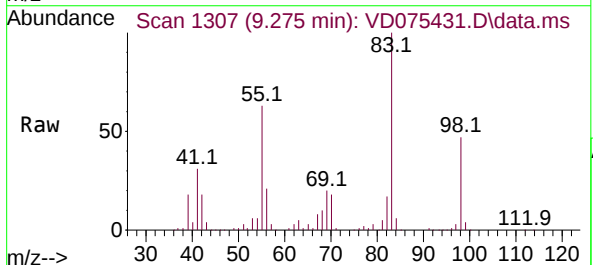
Instrument :
MSVOA_D
ClientSampleId :
VICV116

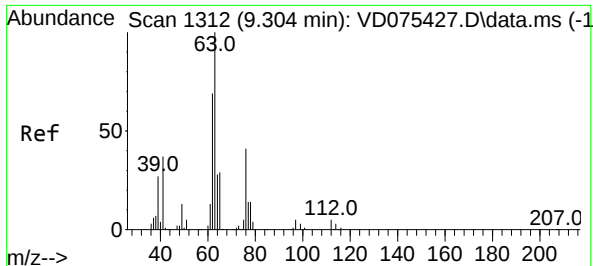
Tgt Ion: 95 Resp: 145861
Ion Ratio Lower Upper
95 100
97 65.8 44.7 83.1
132 102.5 70.0 130.0
130 105.6 72.2 134.2



#35
Methylcyclohexane
Concen: 24.125 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion: 83 Resp: 230425
Ion Ratio Lower Upper
83 100
55 61.3 49.3 73.9
98 49.3 39.8 59.6





#37

1,2-Dichloropropane

Concen: 24.525 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

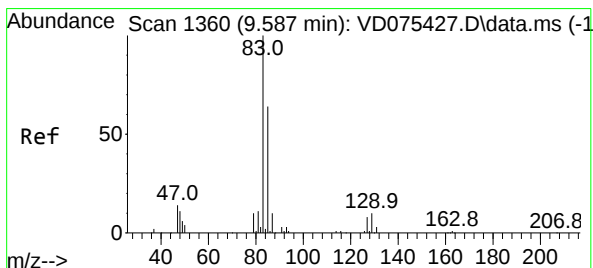
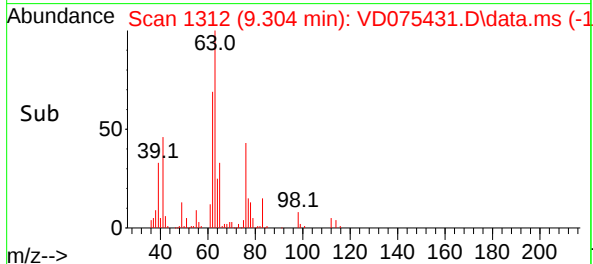
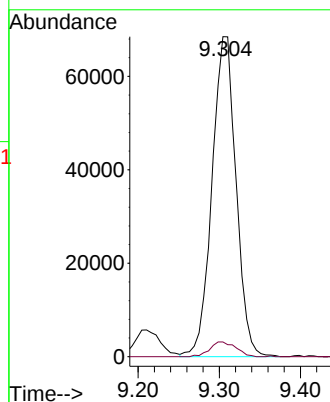
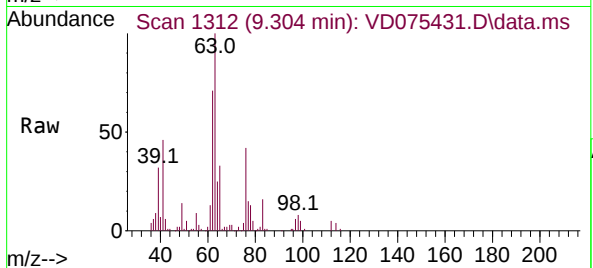
VICV116

Tgt Ion: 63 Resp: 141184

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#38

Bromodichloromethane

Concen: 24.645 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

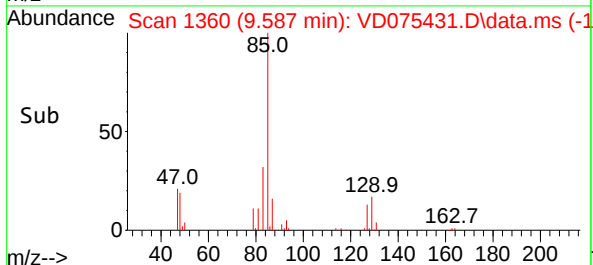
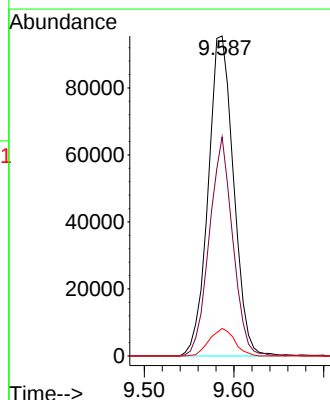
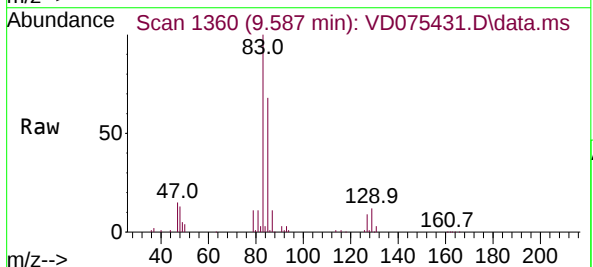
Tgt Ion: 83 Resp: 187678

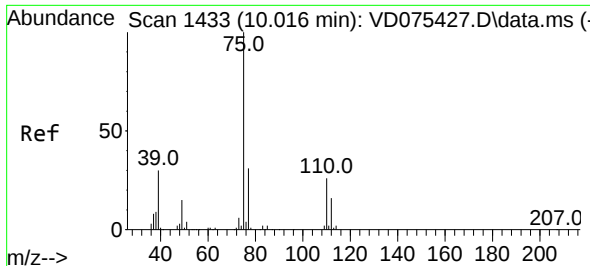
Ion Ratio Lower Upper

83 100

85 68.5 44.6 82.8

127 8.6 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 25.292 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

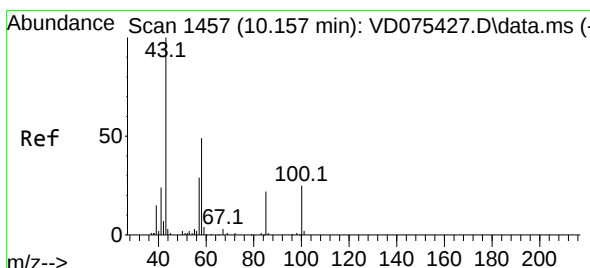
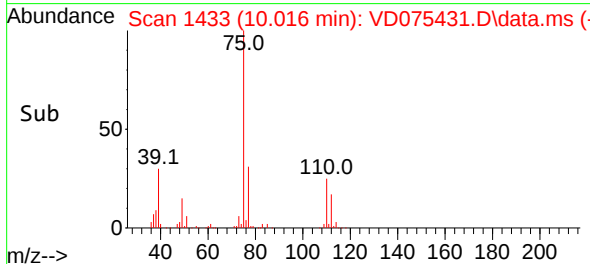
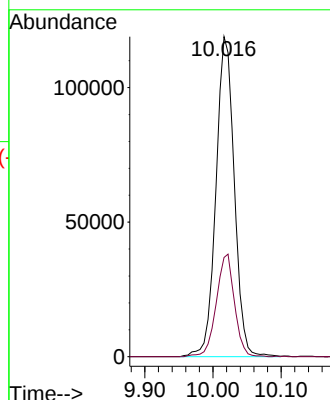
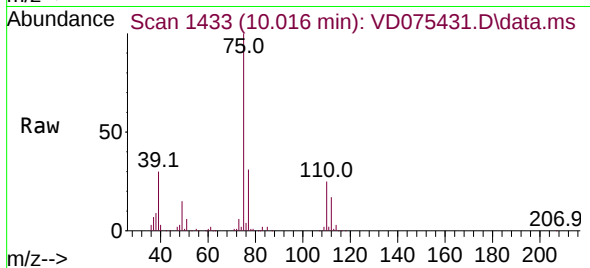
VICV116

Tgt Ion: 75 Resp: 222830

Ion Ratio Lower Upper

75 100

77 31.0 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 54.383 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

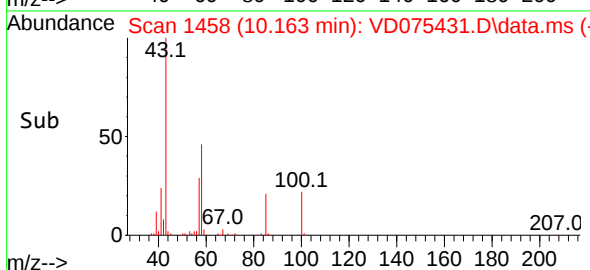
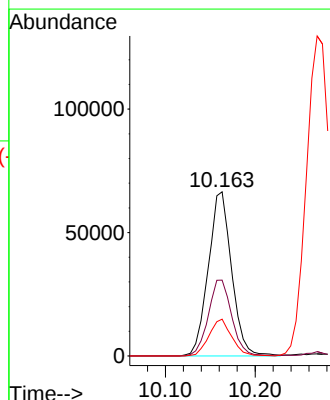
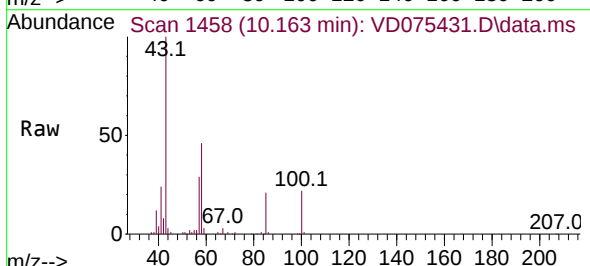
Tgt Ion: 43 Resp: 120060

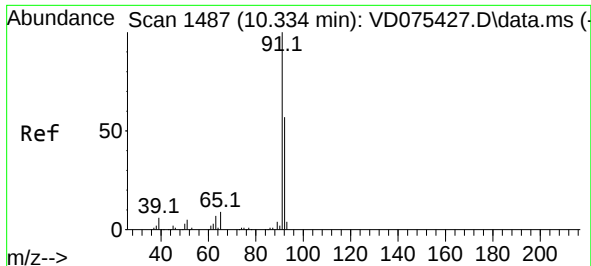
Ion Ratio Lower Upper

43 100

58 46.4 39.0 58.6

100 21.8 18.7 28.1





#42

Toluene

Concen: 24.974 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

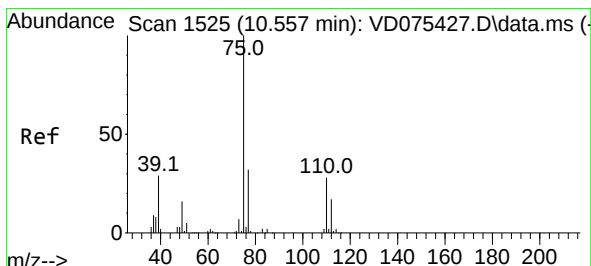
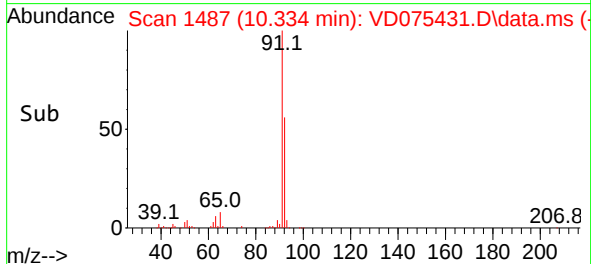
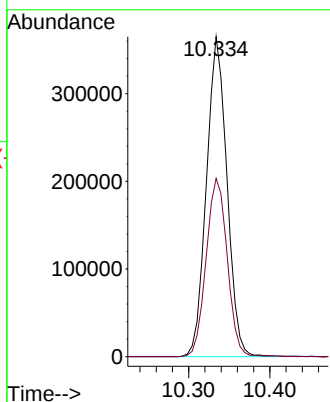
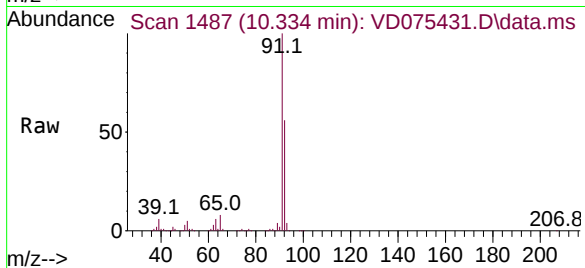
VICV116

Tgt Ion: 91 Resp: 640519

Ion Ratio Lower Upper

91 100

92 55.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 25.325 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. -0.006 min

Lab File: VD075431.D

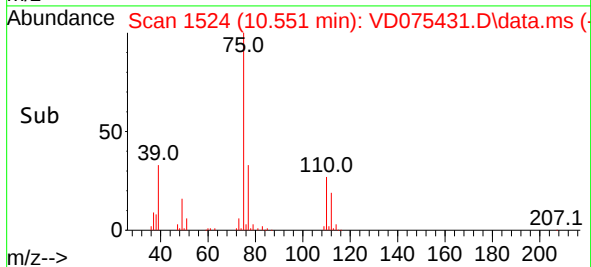
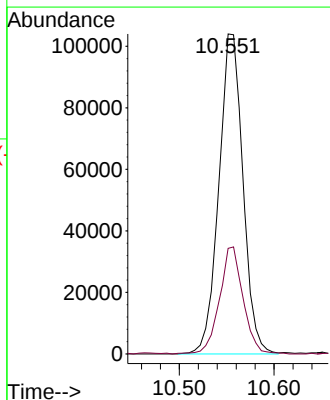
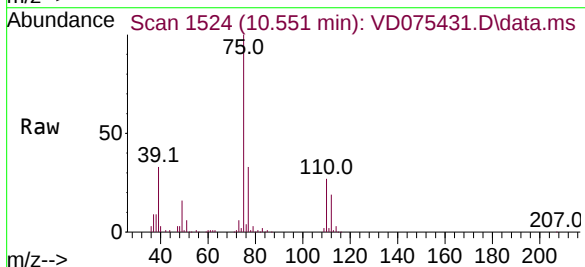
Acq: 01 Mar 2023 16:58

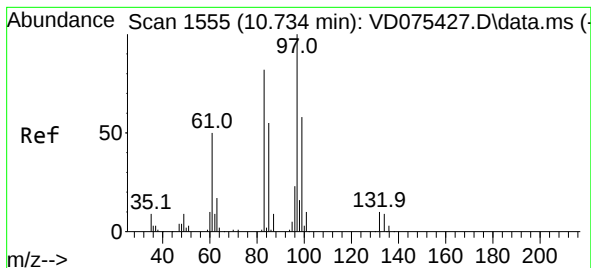
Tgt Ion: 75 Resp: 183824

Ion Ratio Lower Upper

75 100

77 33.0 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 25.037 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

Tgt Ion: 97 Resp: 115118

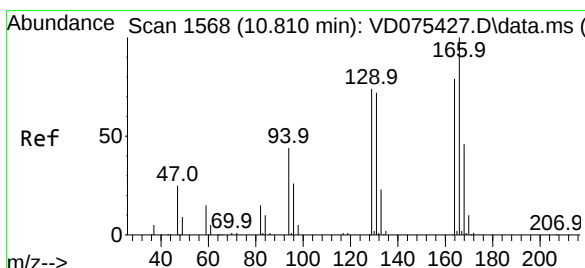
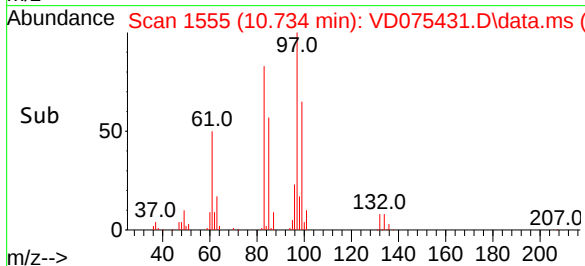
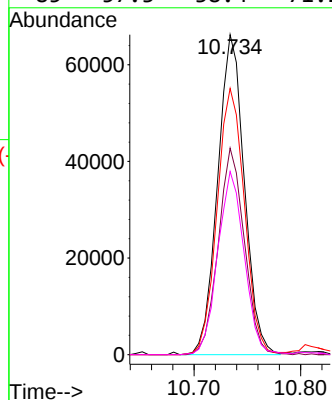
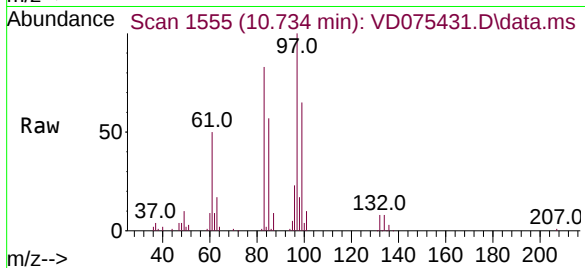
Ion Ratio Lower Upper

97 100

99 64.6 40.9 76.0

83 83.2 57.7 107.1

85 57.3 38.4 71.2



#46

Tetrachloroethene

Concen: 23.483 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Tgt Ion:164 Resp: 110092

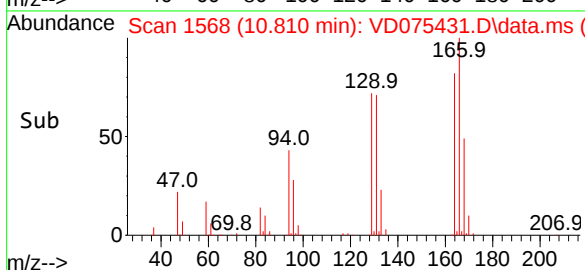
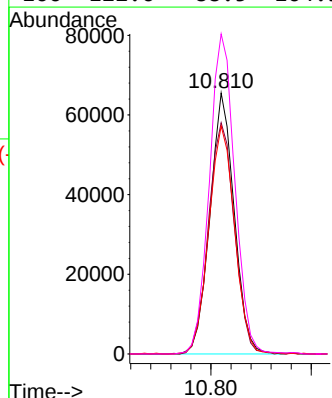
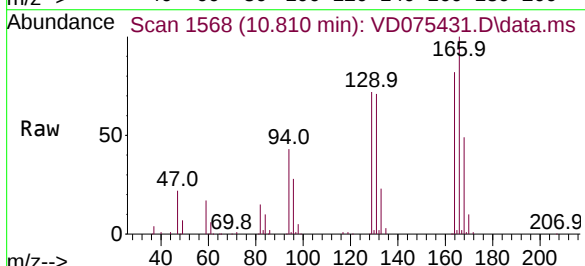
Ion Ratio Lower Upper

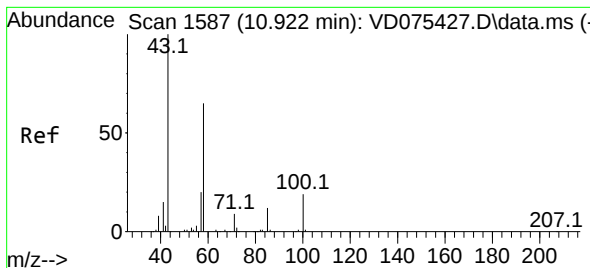
164 100

129 88.6 65.4 121.4

131 87.4 64.1 119.1

166 122.6 88.5 164.3





#48

2-Hexanone

Concen: 52.881 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

Tgt Ion: 43 Resp: 85896

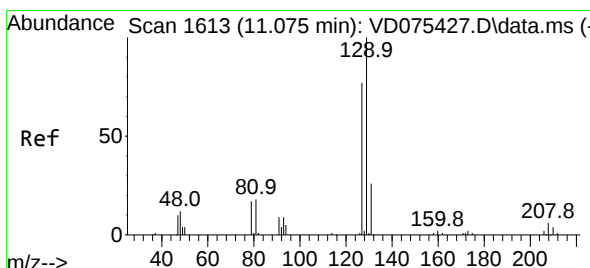
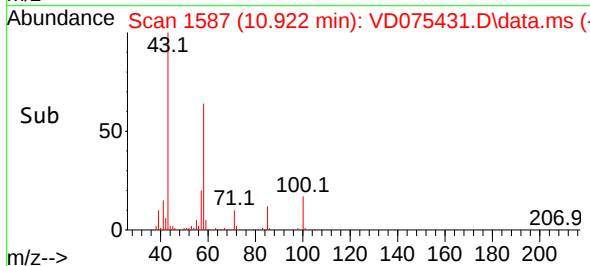
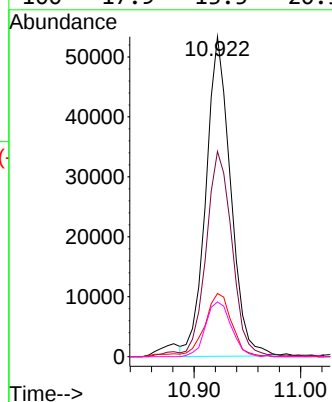
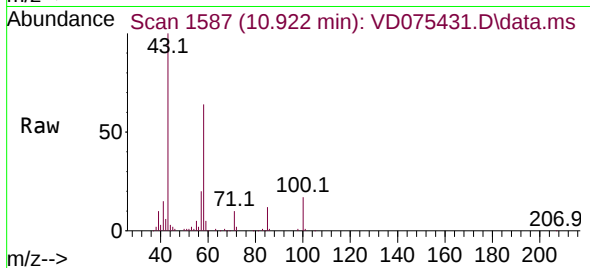
Ion Ratio Lower Upper

43 100

58 67.4 53.1 79.7

57 21.4 16.7 25.1

100 17.9 13.5 20.3



#49

Dibromochloromethane

Concen: 24.887 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075431.D

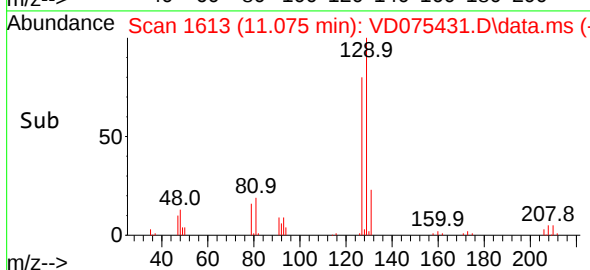
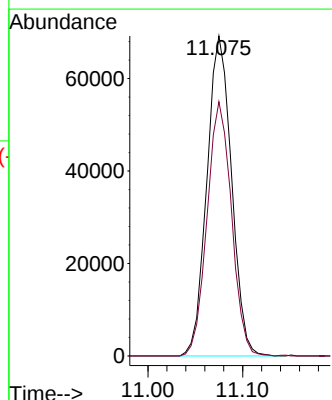
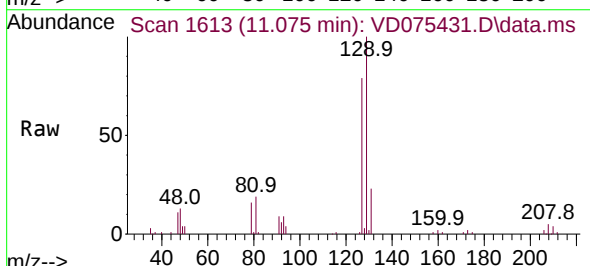
Acq: 01 Mar 2023 16:58

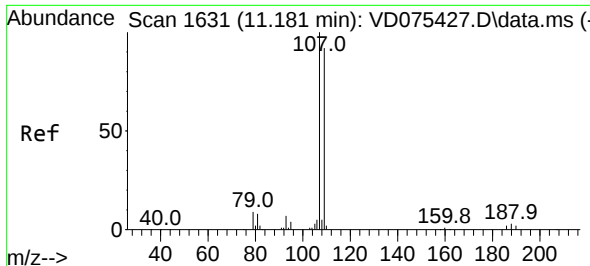
Tgt Ion:129 Resp: 124997

Ion Ratio Lower Upper

129 100

127 79.4 53.7 99.7

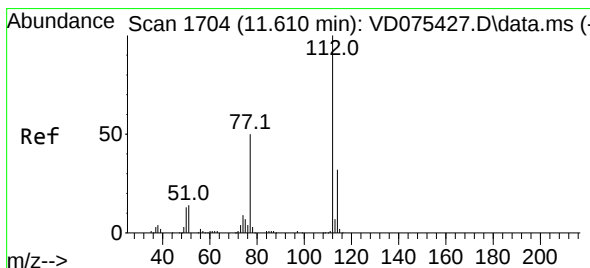
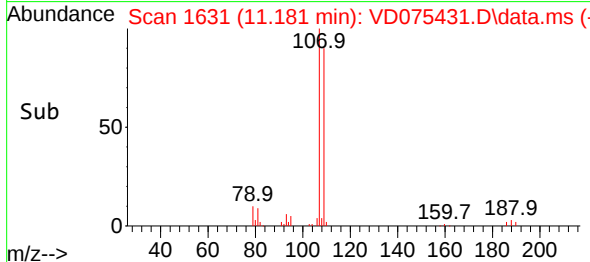
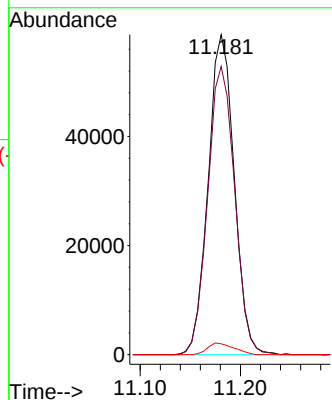
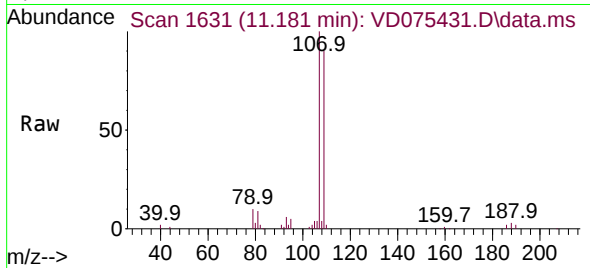




#50
1,2-Dibromoethane
Concen: 25.516 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

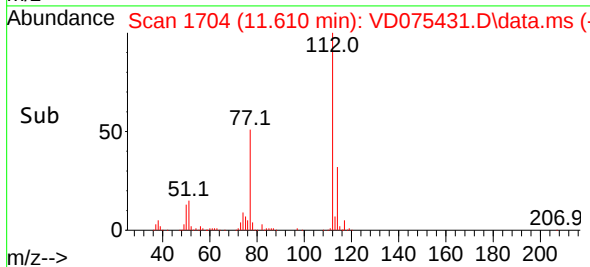
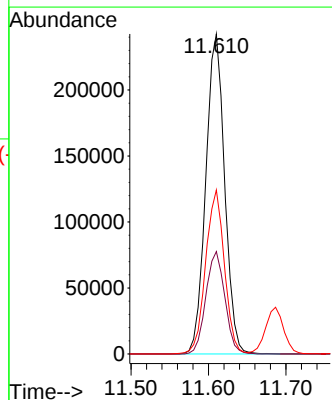
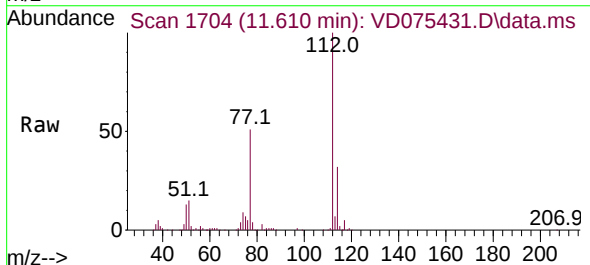
Instrument :
MSVOA_D
ClientSampleId :
VICV116

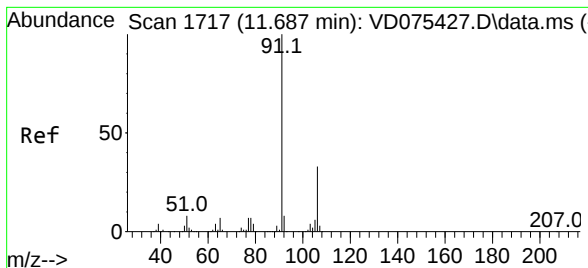
Tgt Ion:107 Resp: 106053
Ion Ratio Lower Upper
107 100
109 90.0 64.2 119.2
188 3.4 2.3 3.5



#51
Chlorobenzene
Concen: 24.579 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion:112 Resp: 409730
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.3
77 51.3 40.2 60.2

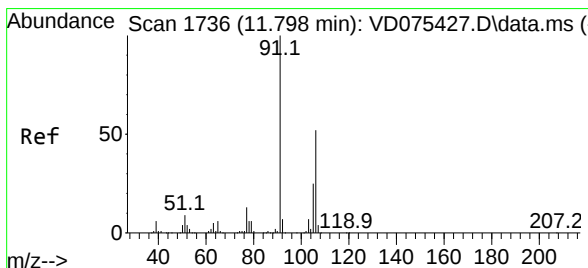
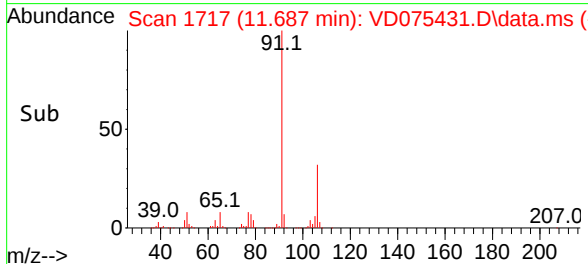
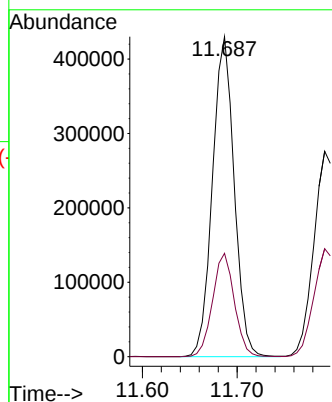
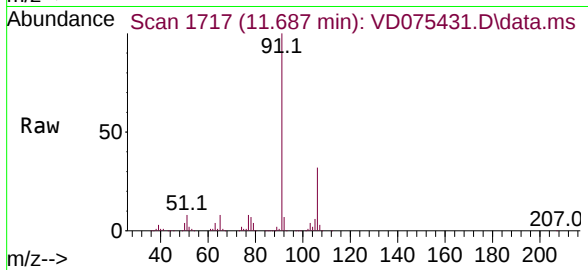




#52
Ethylbenzene
Concen: 25.132 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

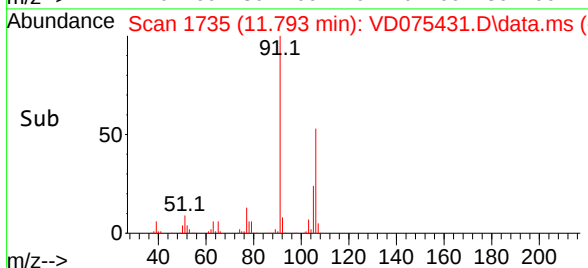
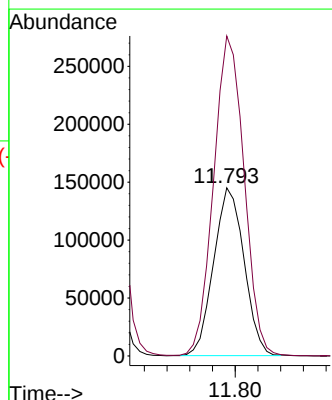
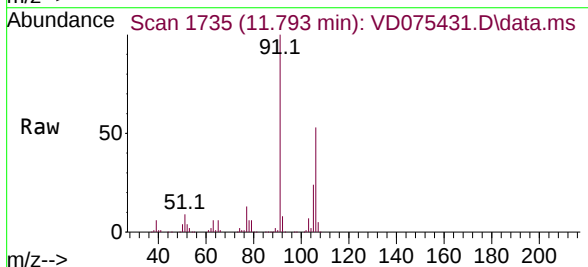
Instrument :
MSVOA_D
ClientSampleId :
VICV116

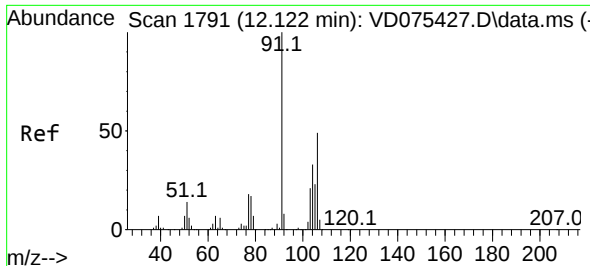
Tgt Ion: 91 Resp: 685468
Ion Ratio Lower Upper
91 100
106 32.3 23.1 42.9



#53
m,p-Xylene
Concen: 25.105 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion: 106 Resp: 269776
Ion Ratio Lower Upper
106 100
91 190.3 134.1 249.1

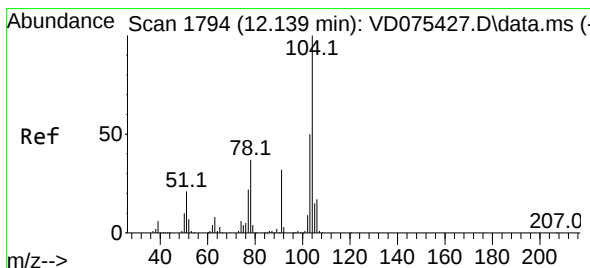
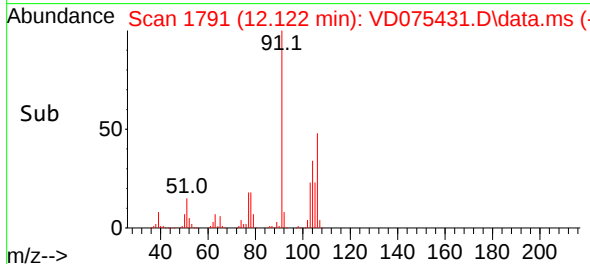
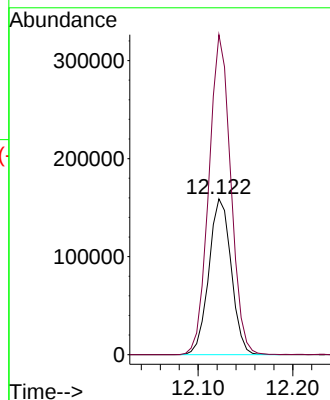
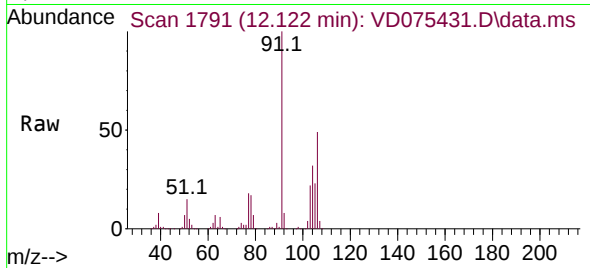




#54
o-Xylene
Concen: 25.654 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

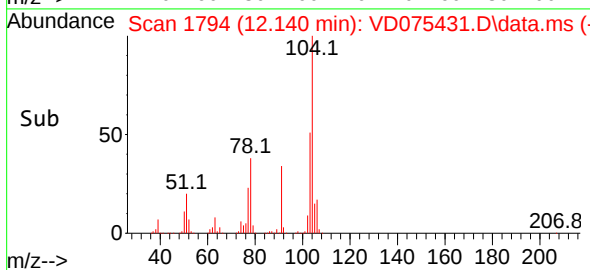
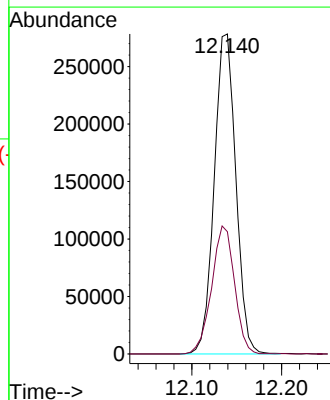
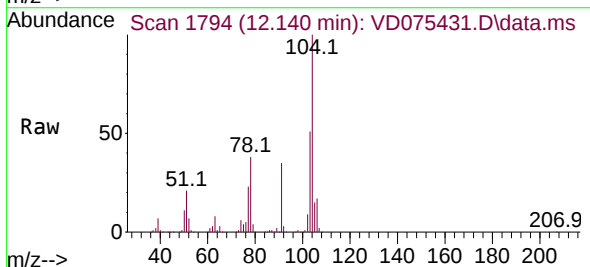
Instrument :
MSVOA_D
ClientSampleId :
VICV116

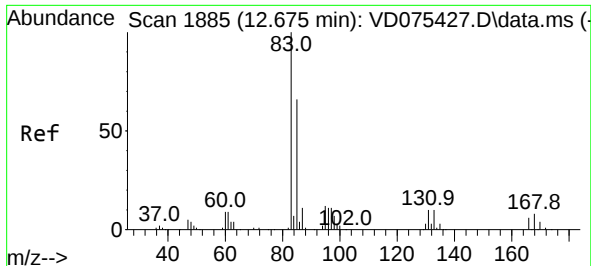
Tgt Ion:106 Resp: 260777
Ion Ratio Lower Upper
106 100
91 205.3 142.3 264.3



#55
Styrene
Concen: 25.814 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion:104 Resp: 466061
Ion Ratio Lower Upper
104 100
78 38.2 26.0 48.2





#57

1,1,2,2-Tetrachloroethane

Concen: 25.644 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

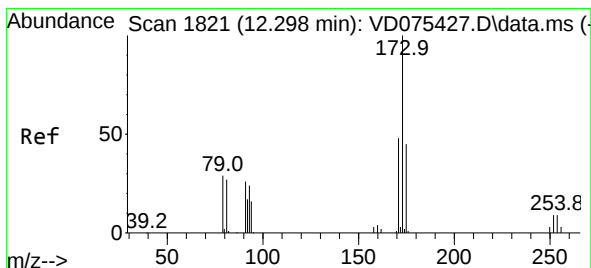
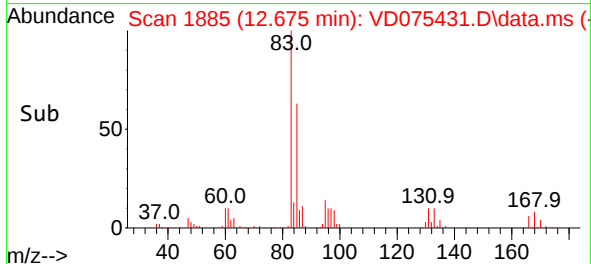
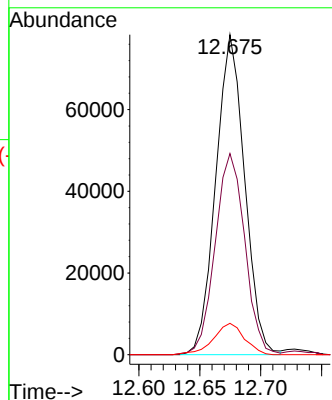
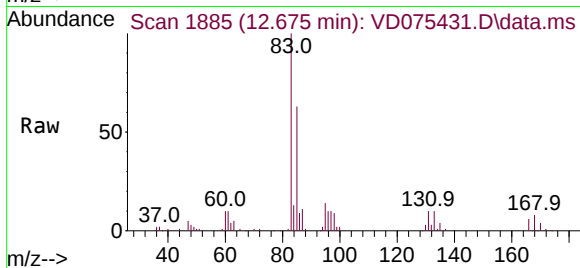
Tgt Ion: 83 Resp: 129048

Ion Ratio Lower Upper

83 100

85 62.9 46.3 85.9

131 9.8 8.1 12.1



#59

Bromoform

Concen: 25.018 ug/L

RT: 12.304 min Scan# 1822

Delta R.T. 0.006 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

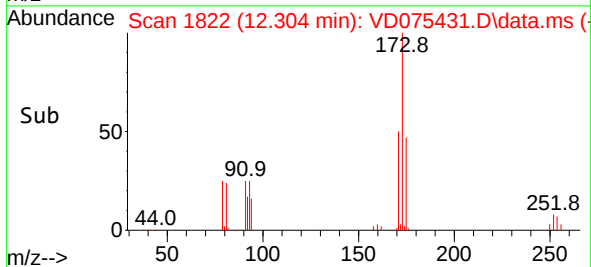
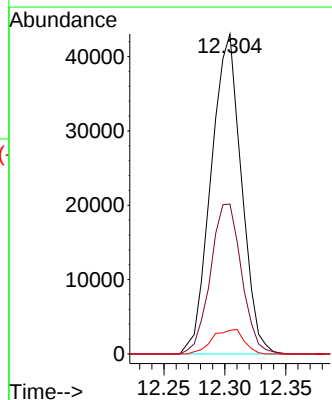
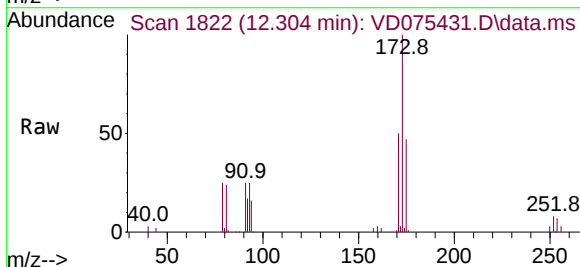
Tgt Ion: 173 Resp: 74483

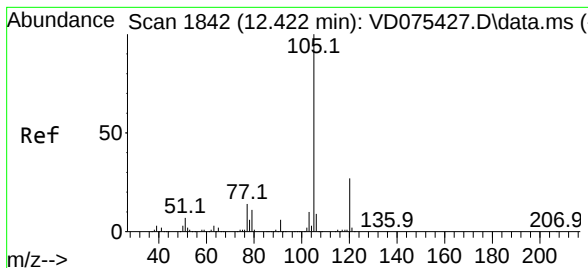
Ion Ratio Lower Upper

173 100

175 48.2 39.3 58.9

254 8.0 7.3 10.9





#60

Isopropylbenzene

Concen: 25.124 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

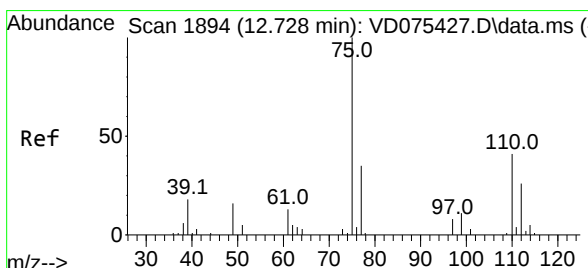
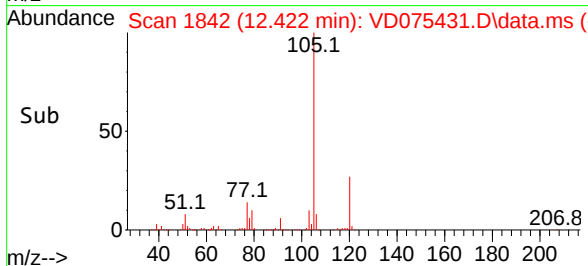
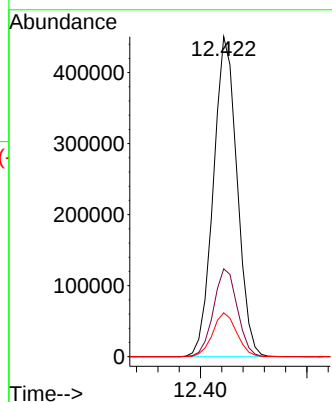
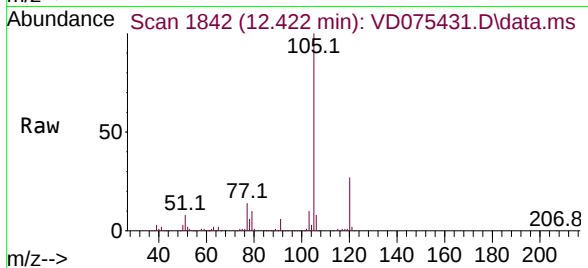
Tgt Ion:105 Resp: 697163

Ion Ratio Lower Upper

105 100

120 27.6 21.8 32.6

77 13.9 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 25.673 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

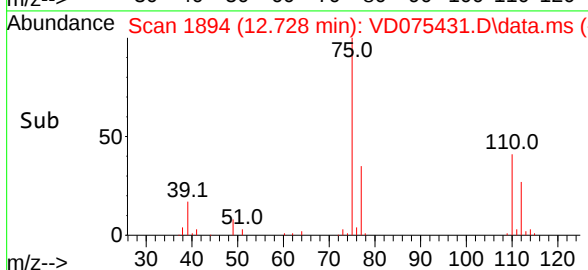
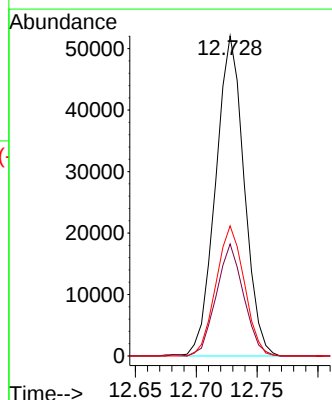
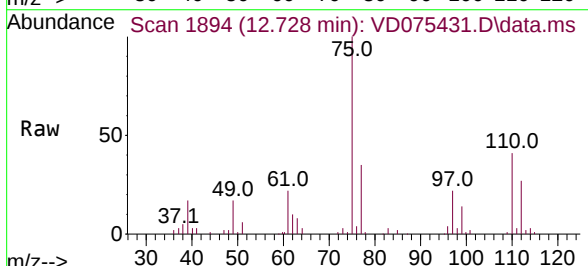
Tgt Ion: 75 Resp: 84911

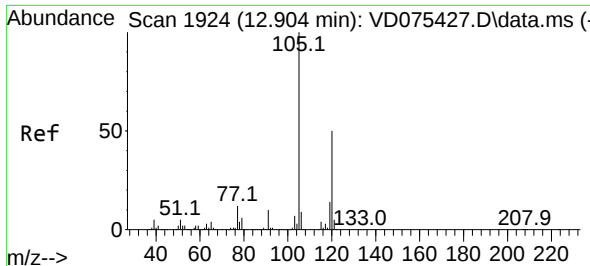
Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.4

110 40.3 33.2 49.8

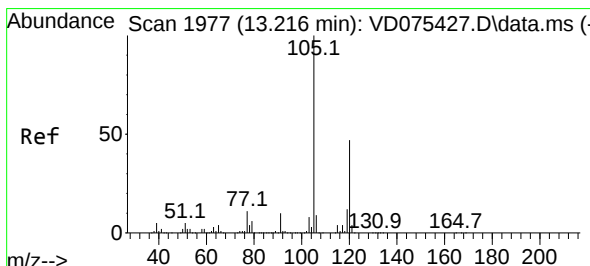
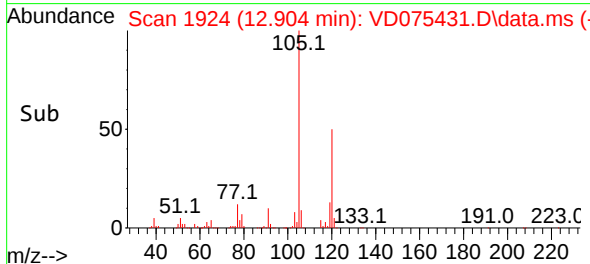
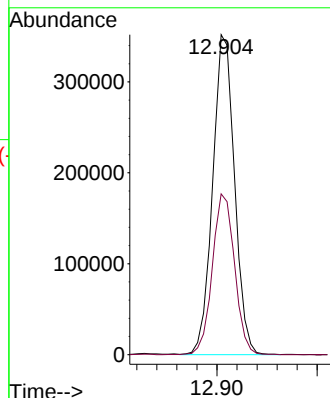
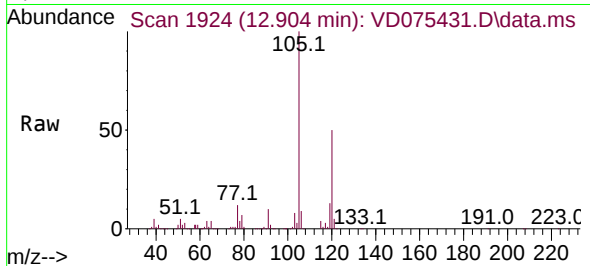




#62
1,3,5-Trimethylbenzene
Concen: 25.526 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

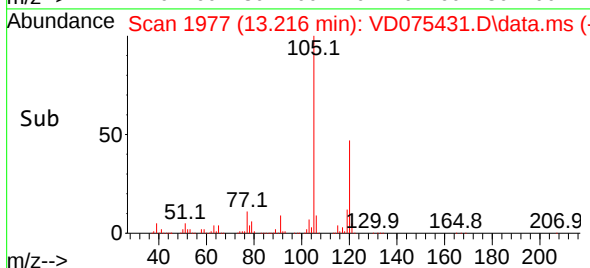
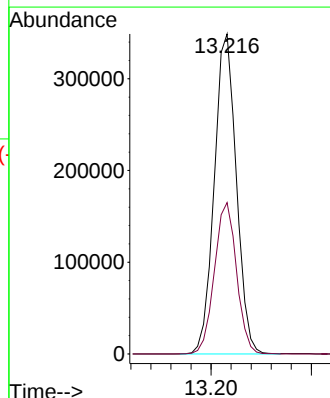
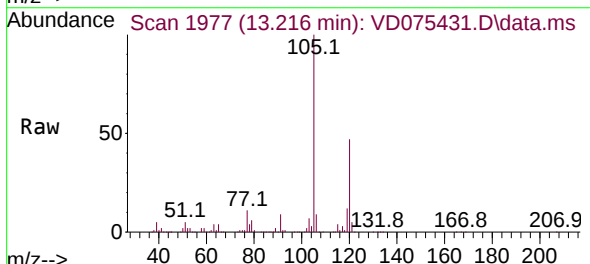
Instrument :
MSVOA_D
ClientSampleId :
VICV116

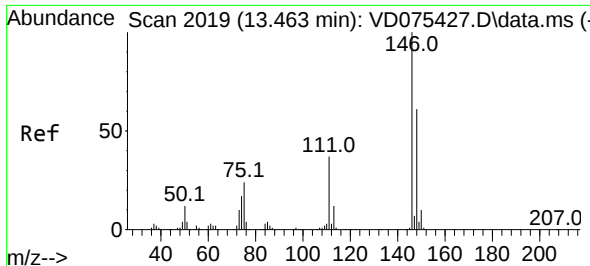
Tgt Ion:105 Resp: 531739
Ion Ratio Lower Upper
105 100
120 50.9 40.6 60.8



#63
1,2,4-Trimethylbenzene
Concen: 26.079 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion:105 Resp: 531195
Ion Ratio Lower Upper
105 100
120 47.5 38.2 57.2

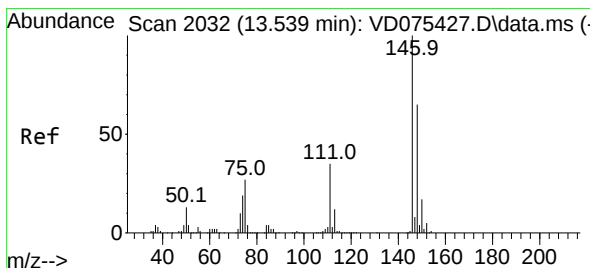
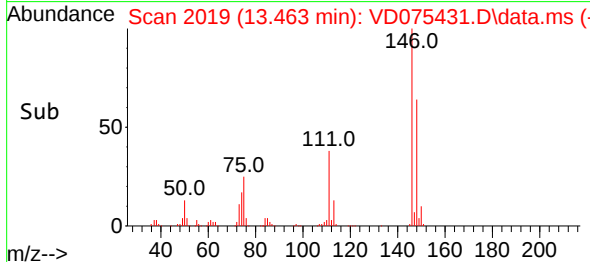
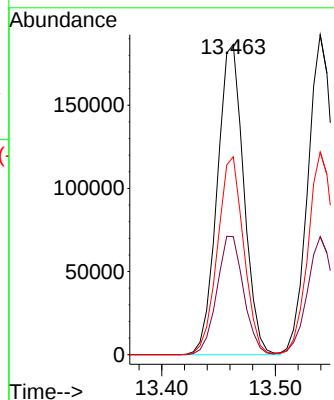
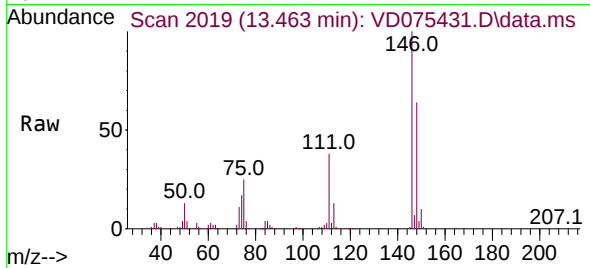




#64
1,3-Dichlorobenzene
Concen: 24.706 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

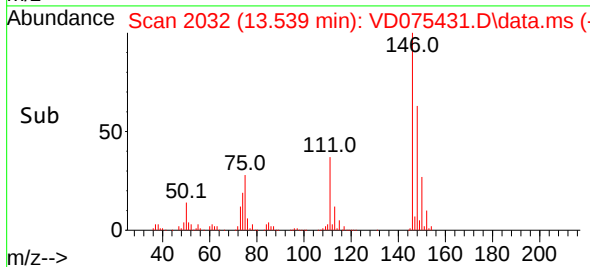
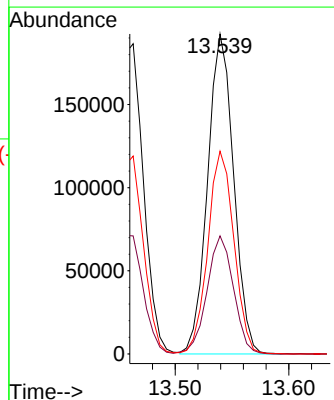
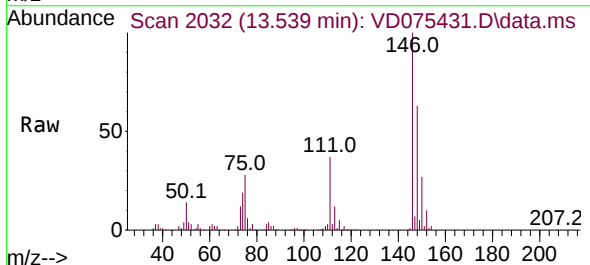
Instrument :
MSVOA_D
ClientSampleId :
VICV116

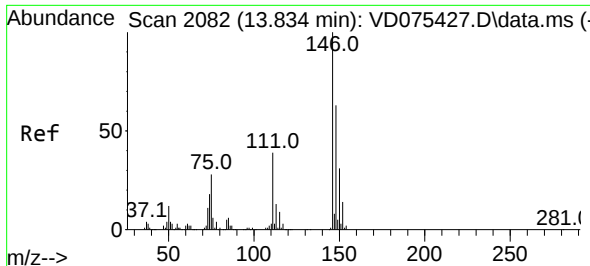
Tgt Ion:146 Resp: 303270
Ion Ratio Lower Upper
146 100
111 38.1 26.0 48.2
148 63.8 42.4 78.6



#65
1,4-Dichlorobenzene
Concen: 24.325 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075431.D
Acq: 01 Mar 2023 16:58

Tgt Ion:146 Resp: 307151
Ion Ratio Lower Upper
146 100
111 36.9 24.8 46.1
148 63.4 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 24.557 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

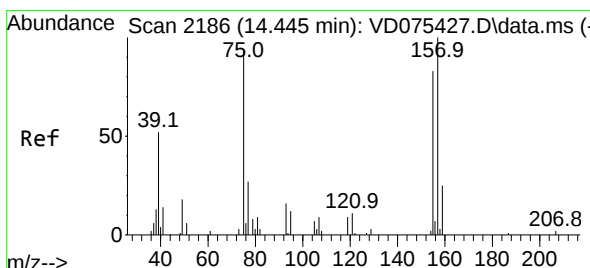
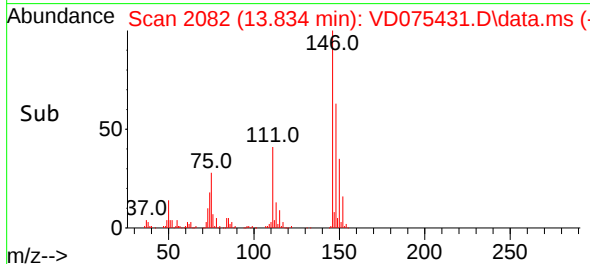
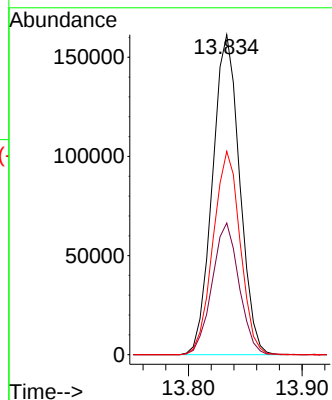
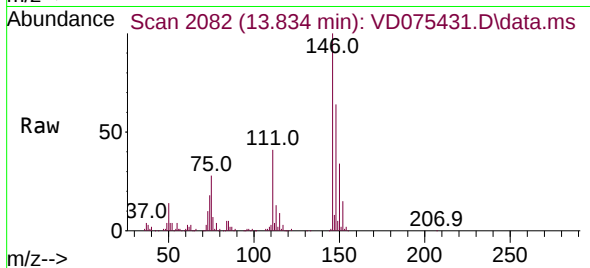
Tgt Ion:146 Resp: 268593

Ion Ratio Lower Upper

146 100

111 41.1 31.0 46.6

148 63.6 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 25.219 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

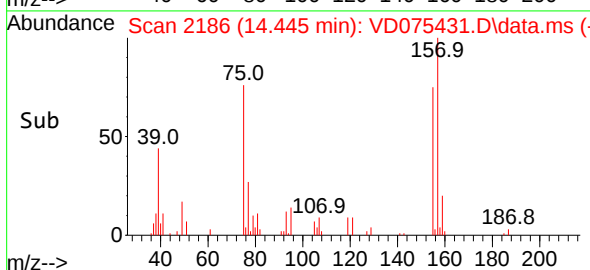
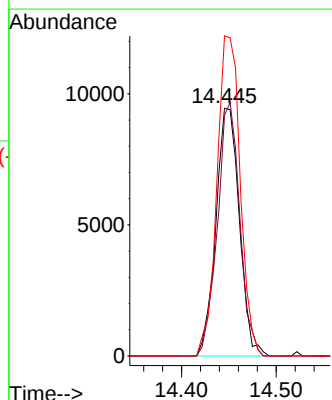
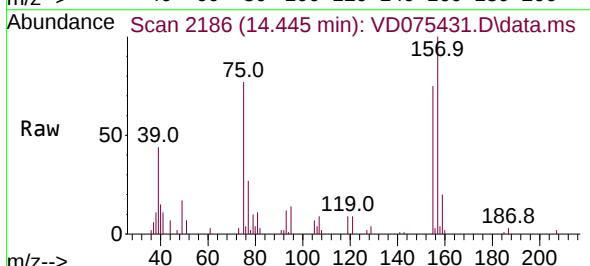
Tgt Ion: 75 Resp: 16198

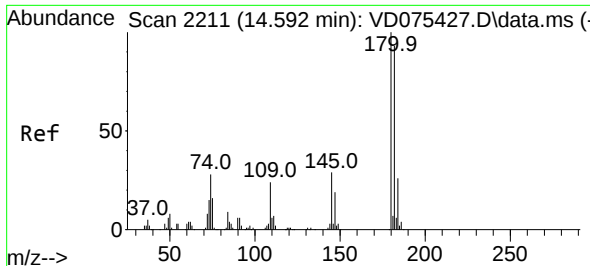
Ion Ratio Lower Upper

75 100

155 97.1 71.3 106.9

157 129.2 85.8 128.6#





#69

1,3,5-Trichlorobenzene

Concen: 24.424 ug/L

RT: 14.598 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

Tgt Ion:180 Resp: 188004

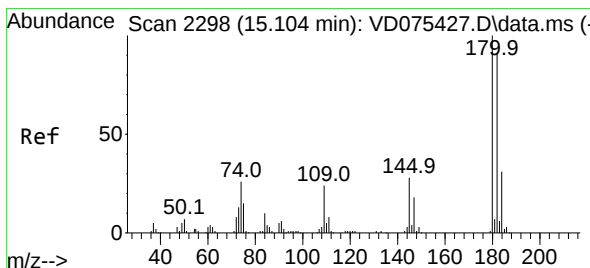
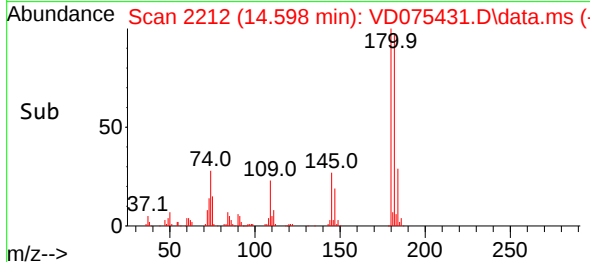
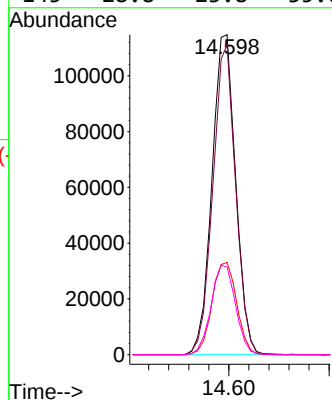
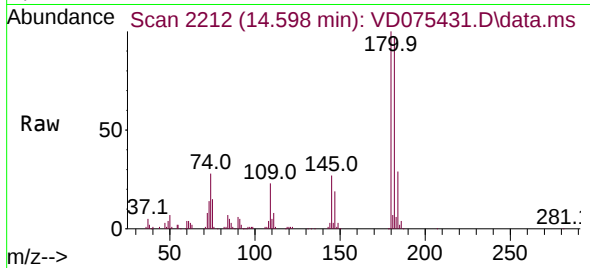
Ion Ratio Lower Upper

180 100

182 93.1 76.5 114.7

184 30.1 23.6 35.4

145 28.8 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 24.825 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

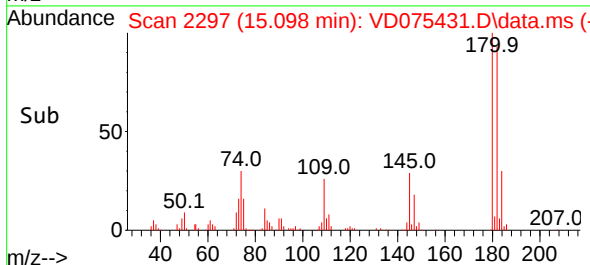
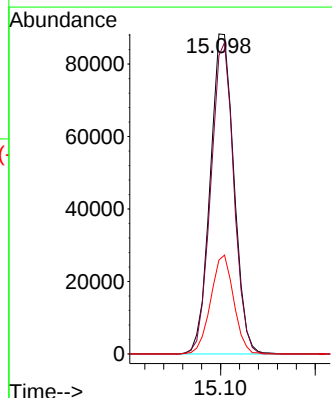
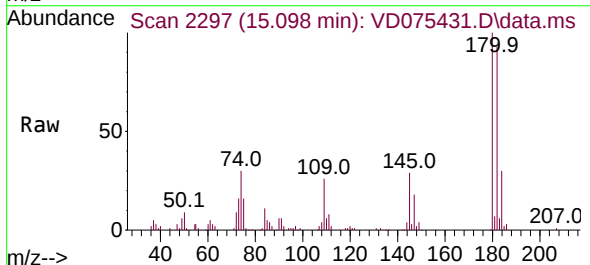
Tgt Ion:180 Resp: 153646

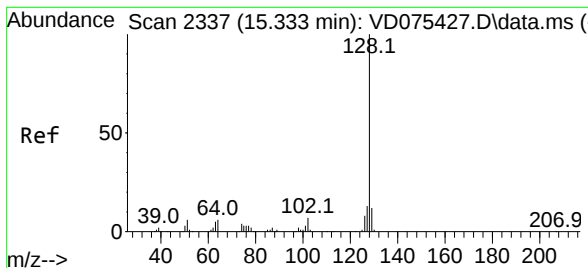
Ion Ratio Lower Upper

180 100

182 94.2 74.3 111.5

145 29.9 23.0 34.6





#71

Naphthalene

Concen: 25.713 ug/L

RT: 15.333 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Instrument :

MSVOA_D

ClientSampleId :

VICV116

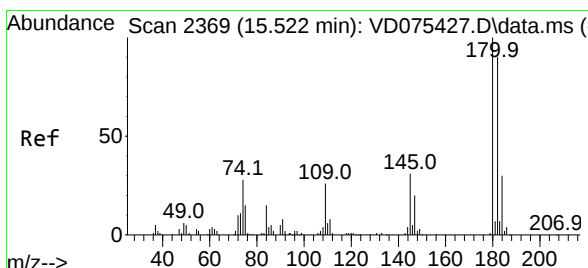
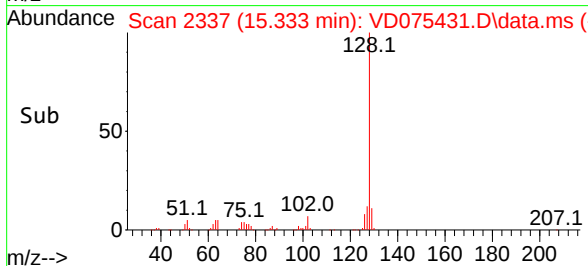
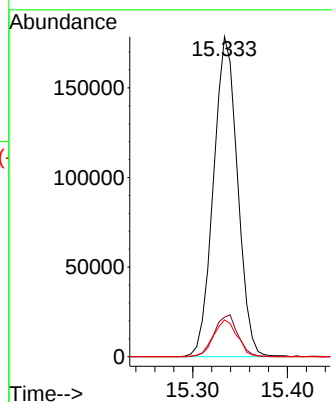
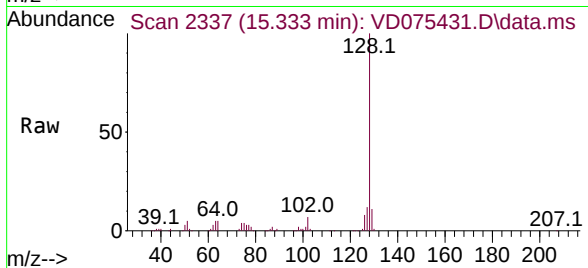
Tgt Ion:128 Resp: 315635

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 11.3 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 25.670 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD075431.D

Acq: 01 Mar 2023 16:58

Tgt Ion:180 Resp: 140041

Ion Ratio Lower Upper

180 100

182 94.0 75.3 112.9

145 31.3 25.1 37.7

