

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030823\
 Data File : VW030146.D
 Acq On : 08 Mar 2023 13:14
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005295

Quant Time: Mar 09 00:36:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 22:25:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	147137	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	140251	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	86613	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	33368	3.505	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.000%
7) Chloroethane-d5	1.535	69	38764	4.338	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.066	63	81921	4.185	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.800%
20) 2-Butanone-d5	3.815	46	98449	56.087	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.180%
24) Chloroform-d	4.256	84	95577	4.915	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	4.950	65	39201	4.938	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
32) Benzene-d6	4.966	84	159235	4.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	5.995	67	53314	4.696	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.249	98	149709	4.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	7.558	79	18228	4.693	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.034	63	83560	51.998	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.000%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	44829	5.550	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	64441	4.397	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	62355	5.209	ug/L	100
3) Chloromethane	1.217	50	89691	4.755	ug/L	100
5) Vinyl chloride	1.285	62	63985	5.104	ug/L	99
6) Bromomethane	1.490	94	11856	5.268	ug/L	93
8) Chloroethane	1.552	64	40739	5.333	ug/L	99
9) Trichlorofluoromethane	1.715	101	99662	5.541	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	62195	5.575	ug/L	98
12) 1,1-Dichloroethene	2.072	96	52697	5.337	ug/L	96
13) Acetone	2.146	43	68156	52.535	ug/L #	48
14) Carbon disulfide	2.246	76	127407	4.822	ug/L	98
15) Methyl Acetate	2.387	43	14715	4.856	ug/L	92
16) Methylene chloride	2.452	84	64592	5.354	ug/L	98
17) Methyl tert-butyl Ether	2.709	73	96559	5.000	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	49216	5.239	ug/L	99
19) 1,1-Dichloroethane	3.117	63	95877	5.479	ug/L	99
21) 2-Butanone	3.899	43	90082	51.629	ug/L	98
22) cis-1,2-Dichloroethene	3.821	96	53174	5.121	ug/L	97
23) Bromochloromethane	4.153	128	25866	5.830	ug/L	92
25) Chloroform	4.281	83	102674	5.640	ug/L	98

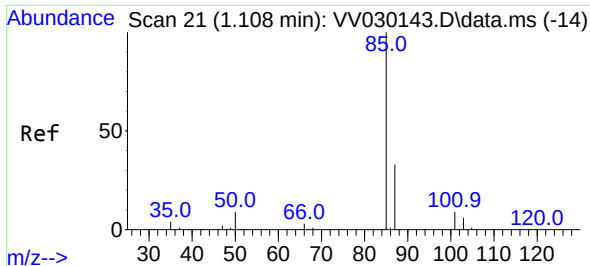
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030823\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 22:25:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	52693	5.534	ug/L	100
29) 1,1,1-Trichloroethane	4.519	97	91929	5.580	ug/L	99
30) Cyclohexane	4.590	56	64866	4.557	ug/L	99
31) Carbon tetrachloride	4.744	117	83120	5.613	ug/L	98
33) Benzene	5.018	78	204140	5.329	ug/L	100
34) Trichloroethene	5.838	95	54027	5.034	ug/L	98
35) Methylcyclohexane	6.059	83	75183	4.628	ug/L	98
37) 1,2-Dichloropropane	6.098	63	53207	5.460	ug/L	100
38) Bromodichloromethane	6.439	83	70658	5.680	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	71483	5.011	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	217401	54.065	ug/L	99
42) Toluene	7.323	91	224846	5.420	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	60371	5.421	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	38569	5.531	ug/L	98
47) Tetrachloroethene	7.911	164	49350	5.357	ug/L	99
48) 2-Hexanone	8.085	43	162724	56.527	ug/L	98
49) Dibromochloromethane	8.185	129	47447	5.815	ug/L	98
50) 1,2-Dibromoethane	8.288	107	35372	5.437	ug/L	95
51) Chlorobenzene	8.821	112	149311	5.337	ug/L	99
52) Ethylbenzene	8.953	91	235403	5.214	ug/L	100
53) m,p-Xylene	9.079	106	89883	5.180	ug/L	99
54) o-Xylene	9.487	106	86075	5.193	ug/L	99
55) Styrene	9.503	104	154564	5.608	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	45338	5.813	ug/L	100
59) Bromoform	9.673	173	27739	5.343	ug/L	98
60) Isopropylbenzene	9.876	105	243823	4.892	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	29691	5.122	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	193540	4.728	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	203535	4.860	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	133678	5.152	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	133274	5.090	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	119538	5.217	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	6445	4.978	ug/L	94
69) 1,3,5-Trichlorobenzene	12.593	180	105896	4.964	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	78513	4.543	ug/L	98
71) Naphthalene	13.448	128	97832	4.332	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	67314	4.732	ug/L	100

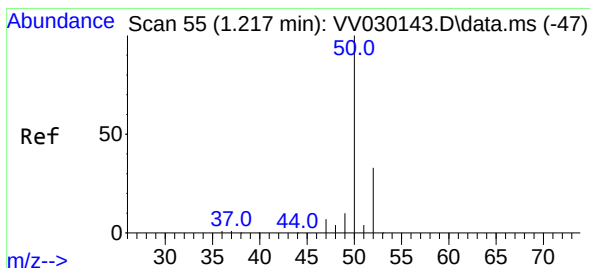
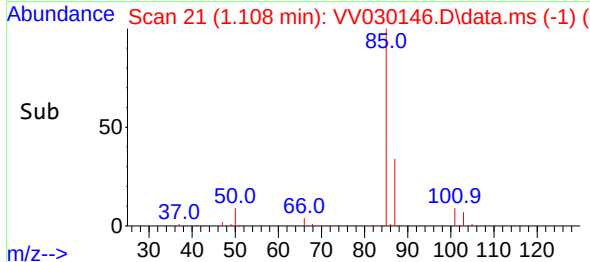
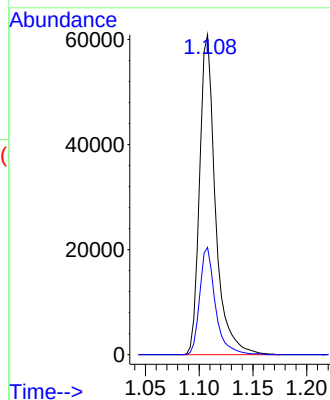
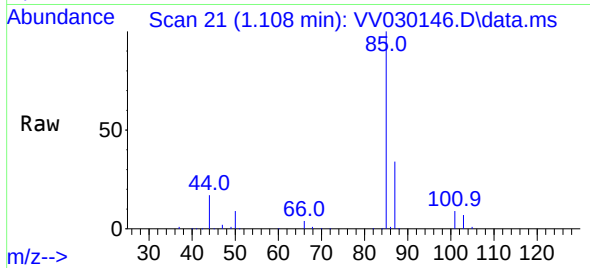
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.209 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

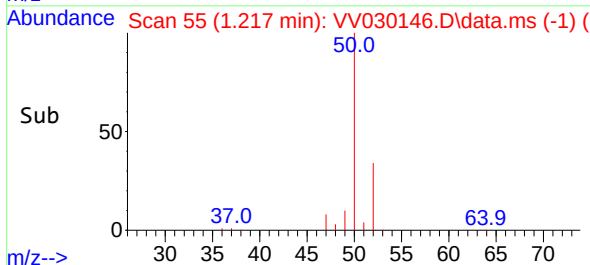
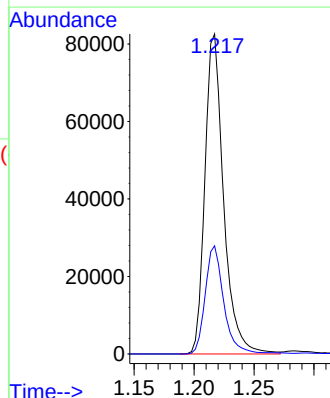
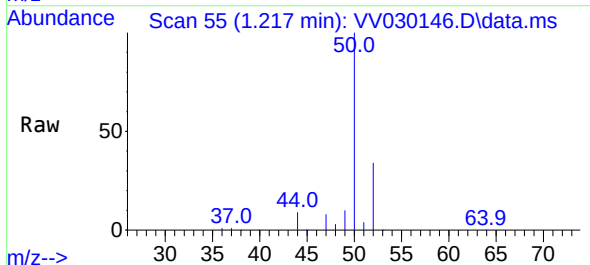
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

Tgt Ion: 85 Resp: 62355
Ion Ratio Lower Upper
85 100
87 33.1 26.6 39.8

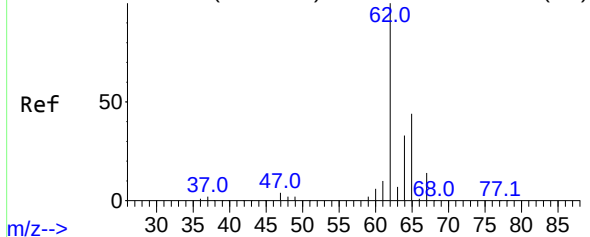


#3
Chloromethane
Concen: 4.755 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 50 Resp: 89691
Ion Ratio Lower Upper
50 100
52 33.8 23.6 43.8



Abundance Scan 76 (1.285 min): VV030143.D\data.ms (-68)



#5

Vinyl chloride

Concen: 5.104 ug/L

RT: 1.285 min Scan# 76

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD005295

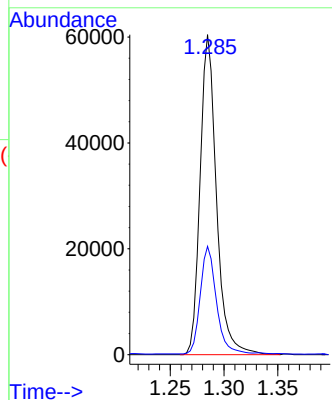
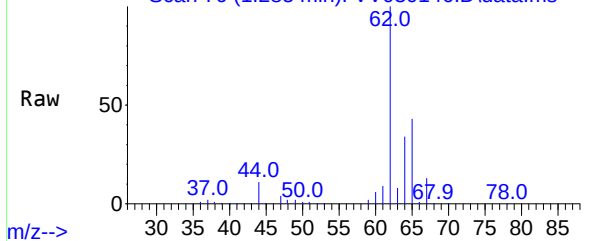
Tgt Ion: 62 Resp: 63985

Ion Ratio Lower Upper

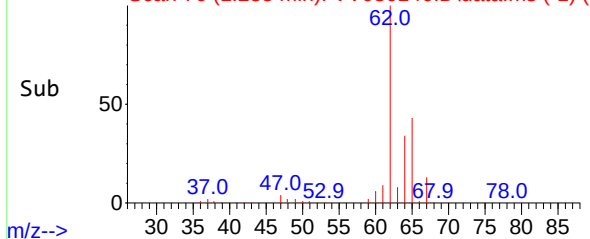
62 100

64 33.8 23.1 42.9

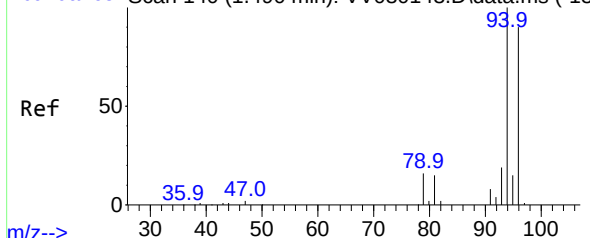
Abundance Scan 76 (1.285 min): VV030146.D\data.ms



Abundance Scan 76 (1.285 min): VV030146.D\data.ms (-1)



Abundance Scan 140 (1.490 min): VV030143.D\data.ms (-13)



#6

Bromomethane

Concen: 5.268 ug/L

RT: 1.490 min Scan# 140

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

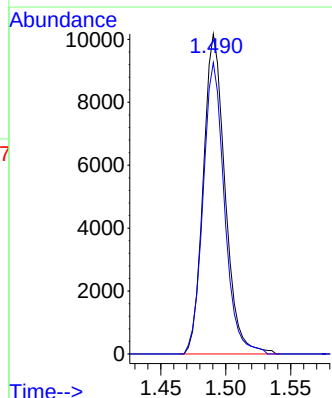
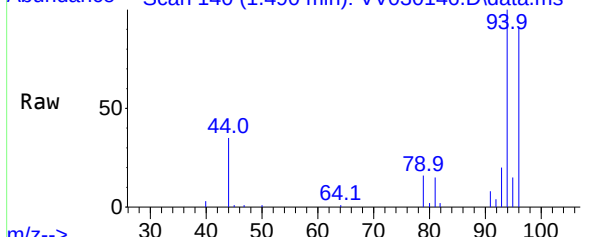
Tgt Ion: 94 Resp: 11856

Ion Ratio Lower Upper

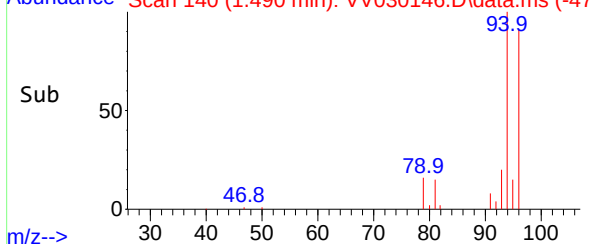
94 100

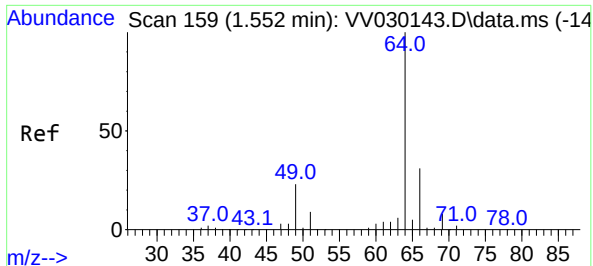
96 91.1 68.4 127.0

Abundance Scan 140 (1.490 min): VV030146.D\data.ms



Abundance Scan 140 (1.490 min): VV030146.D\data.ms (-47)

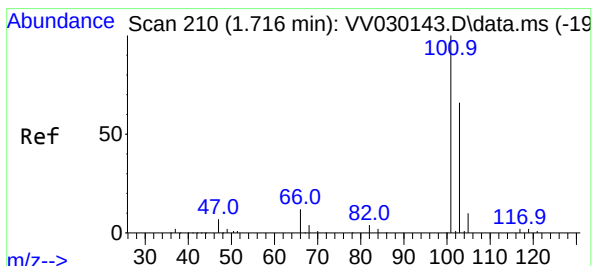
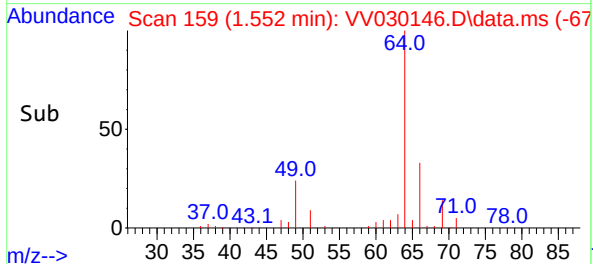
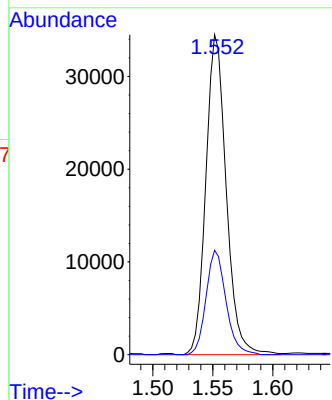
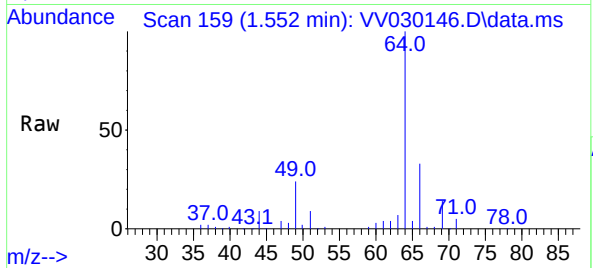




#8
Chloroethane
Concen: 5.333 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

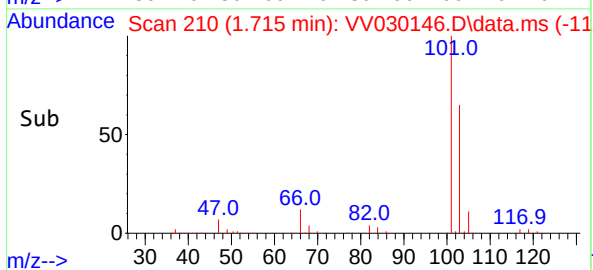
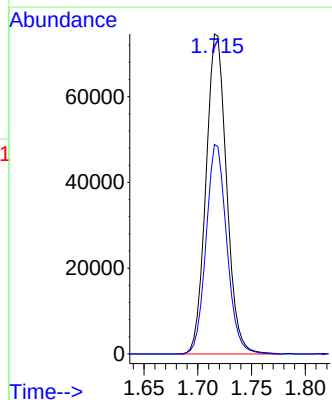
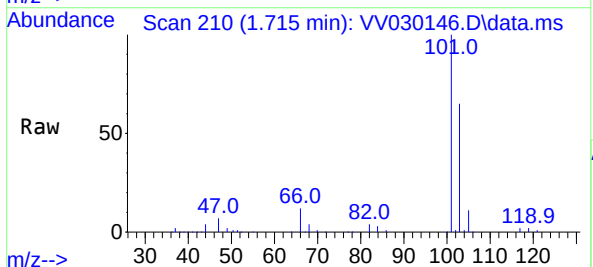
Instrument :
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ClientSampleId :
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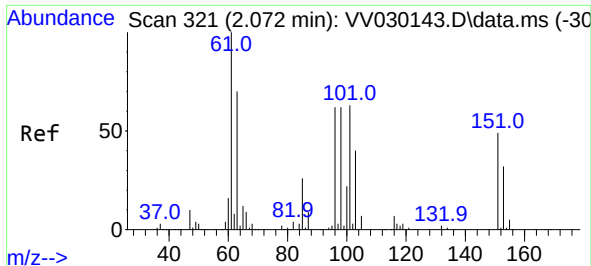
Tgt Ion: 64 Resp: 40739
Ion Ratio Lower Upper
64 100
66 32.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.541 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion:101 Resp: 99662
Ion Ratio Lower Upper
101 100
103 65.7 52.7 79.1

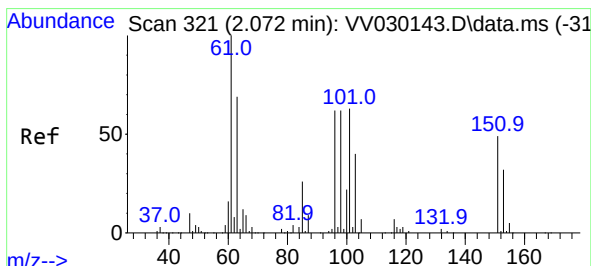
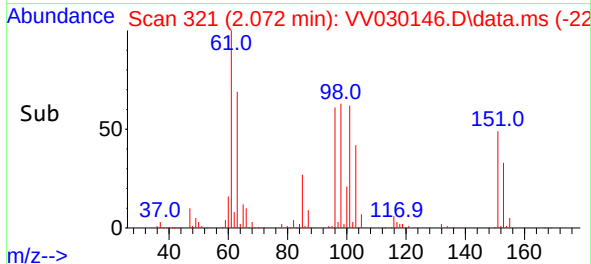
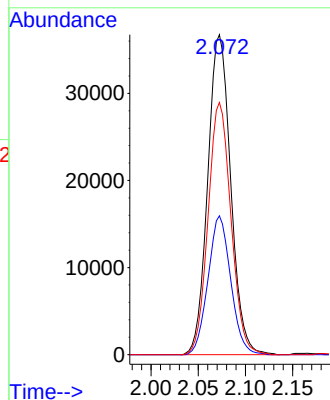
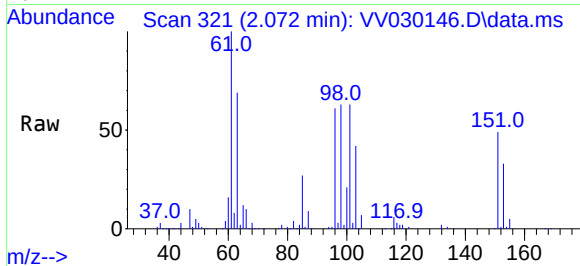




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.575 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

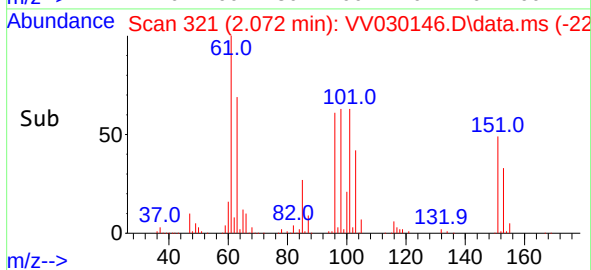
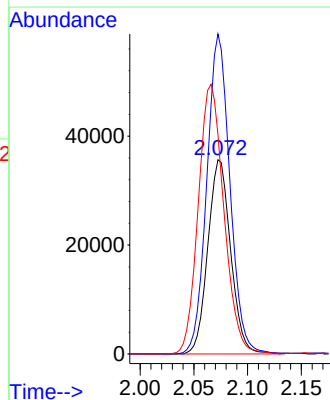
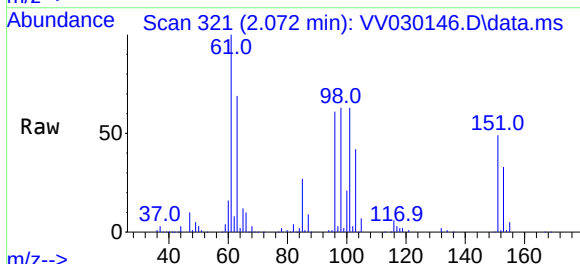
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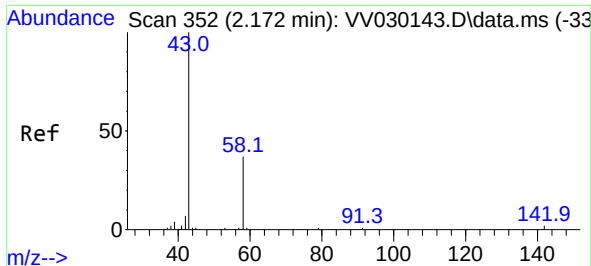
Tgt Ion:101 Resp: 62195
Ion Ratio Lower Upper
101 100
85 42.8 33.5 50.3
151 78.5 61.6 92.4



#12
1,1-Dichloroethene
Concen: 5.337 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 96 Resp: 52697
Ion Ratio Lower Upper
96 100
61 164.7 115.6 214.6
63 112.9 85.6 159.0





#13

Acetone

Concen: 52.535 ug/L

RT: 2.146 min Scan# 34

Delta R.T. -0.019 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

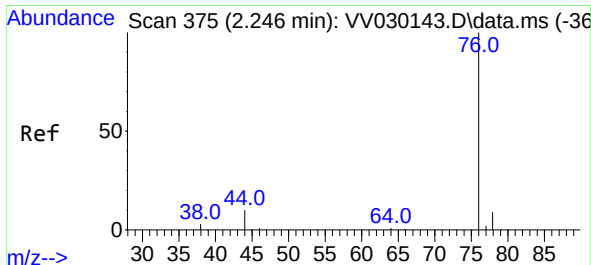
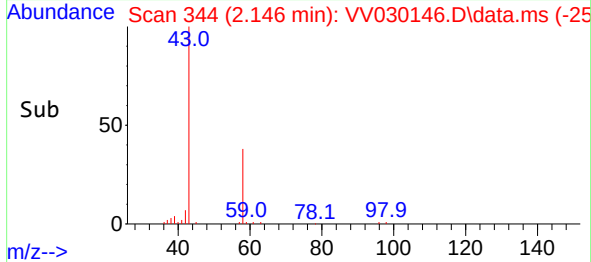
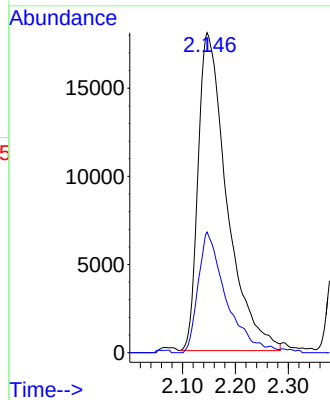
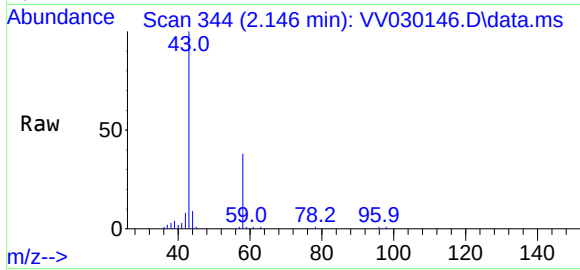
VSTD005295

Tgt Ion: 43 Resp: 68156

Ion Ratio Lower Upper

43 100

58 36.3 0.0 29.4#



#14

Carbon disulfide

Concen: 4.822 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030146.D

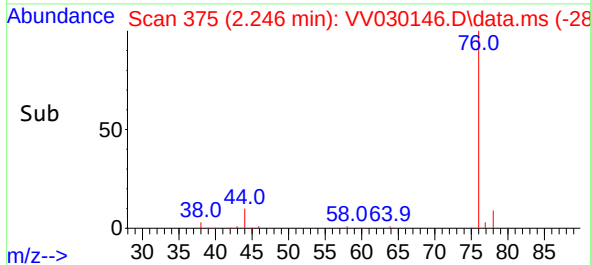
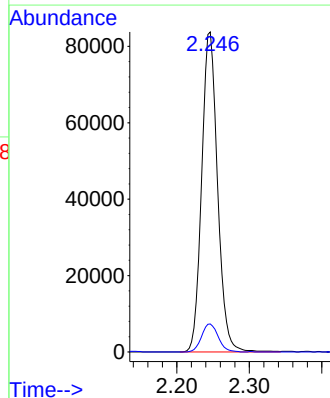
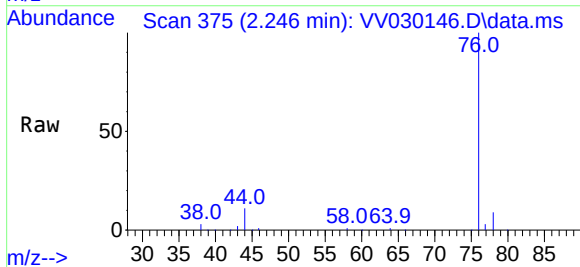
Acq: 08 Mar 2023 13:14

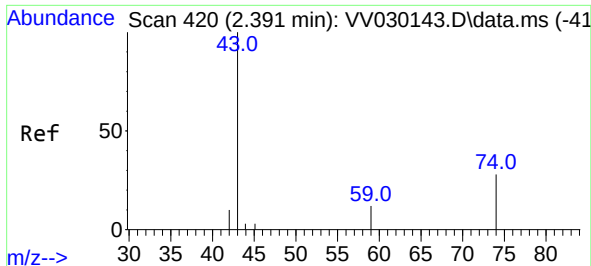
Tgt Ion: 76 Resp: 127407

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5

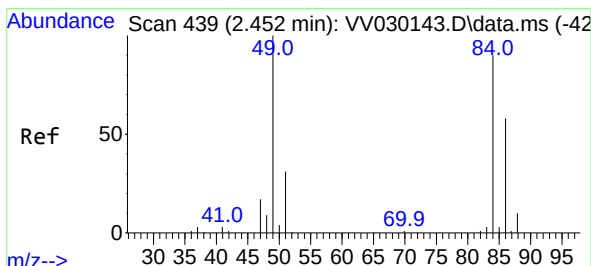
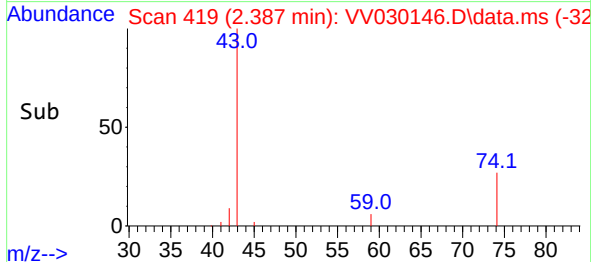
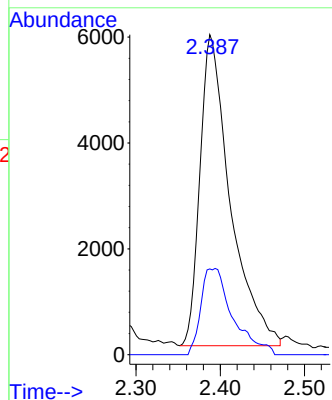
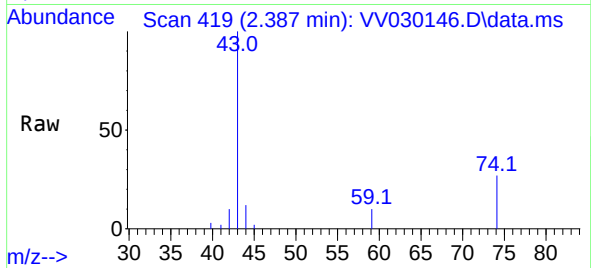




#15
Methyl Acetate
Concen: 4.856 ug/L
RT: 2.387 min Scan# 41
Delta R.T. -0.007 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

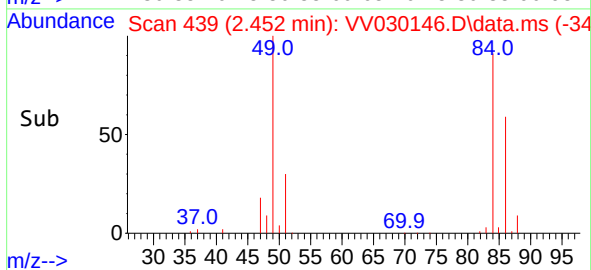
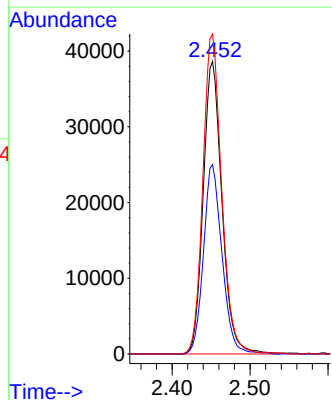
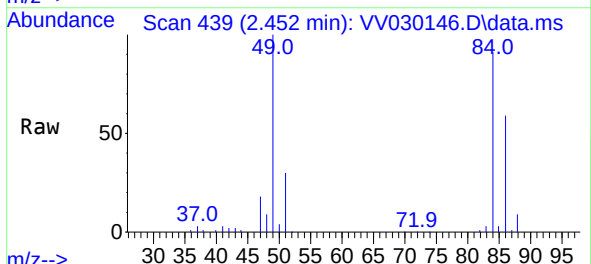
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

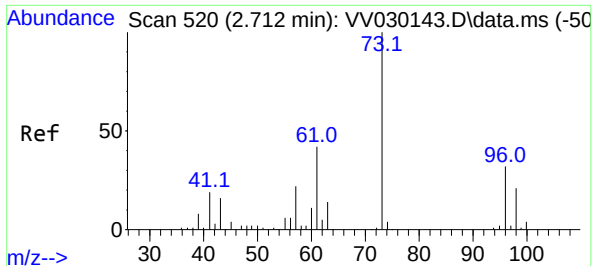
Tgt Ion: 43 Resp: 14715
Ion Ratio Lower Upper
43 100
74 29.0 20.1 30.1



#16
Methylene chloride
Concen: 5.354 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 84 Resp: 64592
Ion Ratio Lower Upper
84 100
86 64.7 44.7 83.1
49 109.4 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 5.000 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD005295

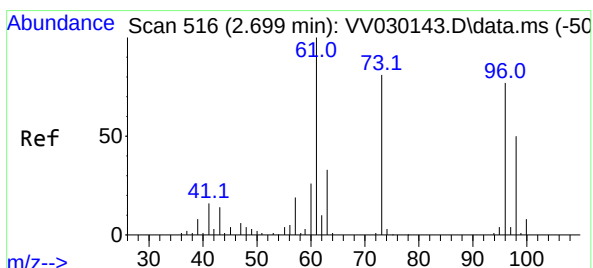
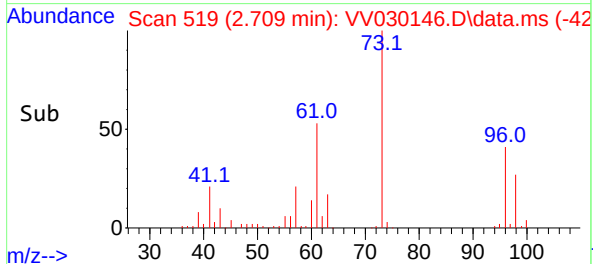
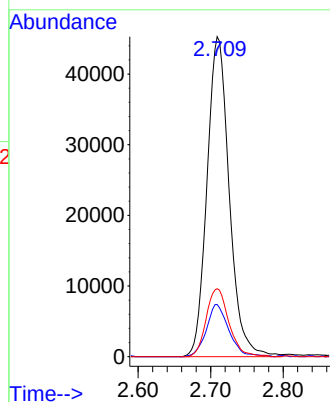
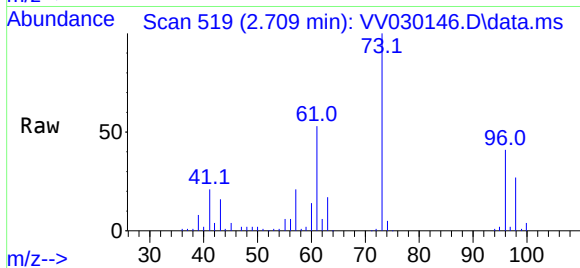
Tgt Ion: 73 Resp: 96559

Ion Ratio Lower Upper

73 100

43 16.6 13.4 20.2

57 21.7 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 5.239 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

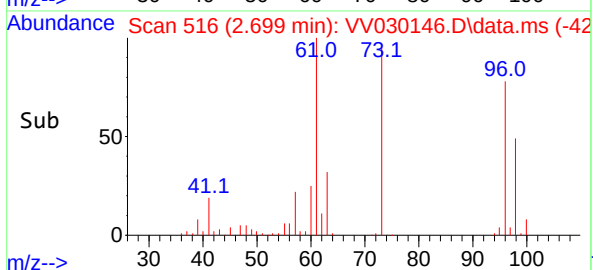
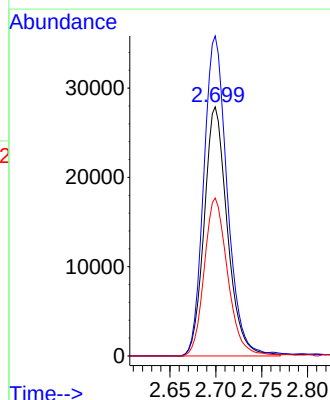
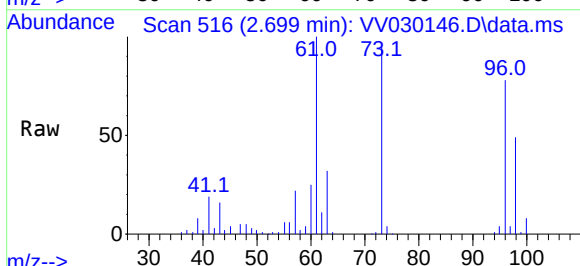
Tgt Ion: 96 Resp: 49216

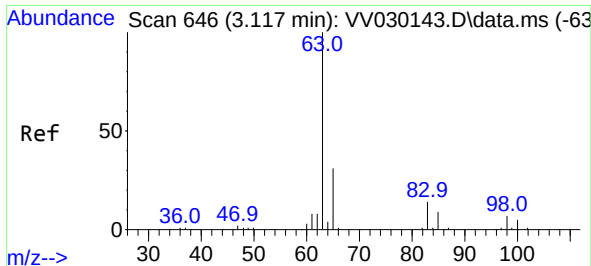
Ion Ratio Lower Upper

96 100

61 128.5 91.0 169.0

98 63.4 45.2 84.0

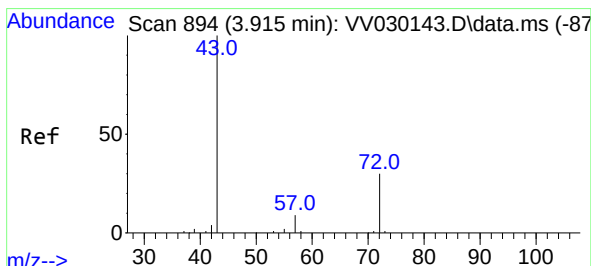
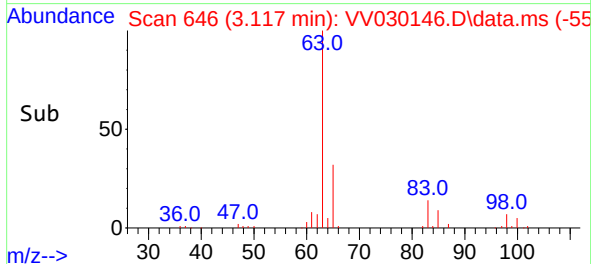
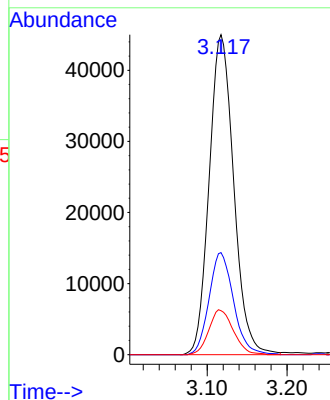
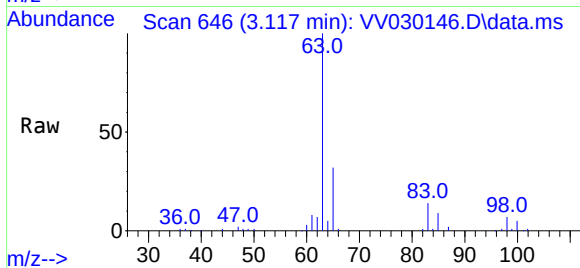




#19
1,1-Dichloroethane
Concen: 5.479 ug/L
RT: 3.117 min Scan# 646
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

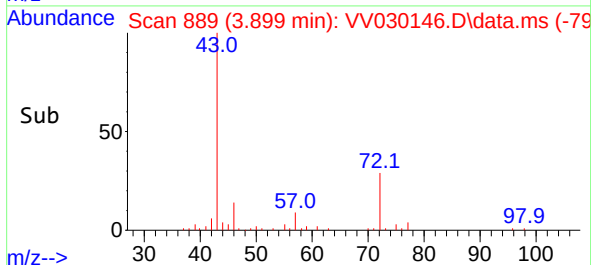
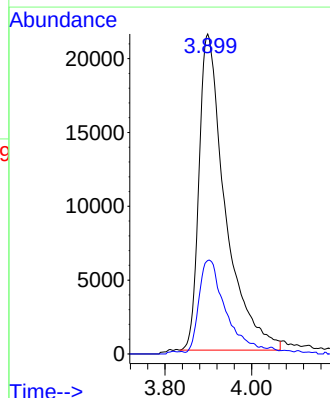
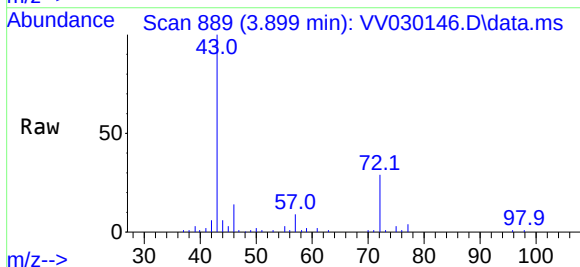
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

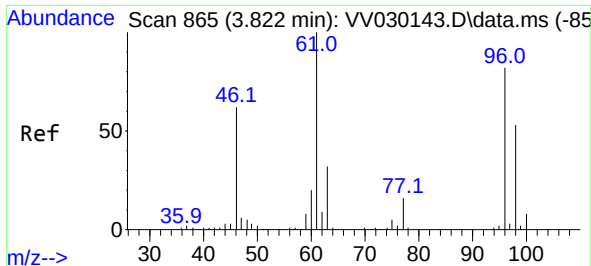
Tgt Ion:	63	Resp:	95877
Ion	Ratio	Lower	Upper
63	100		
65	31.9	23.0	42.8
83	13.7	9.6	17.8



#21
2-Butanone
Concen: 51.629 ug/L
RT: 3.899 min Scan# 889
Delta R.T. -0.010 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion:	43	Resp:	90082
Ion	Ratio	Lower	Upper
43	100		
72	28.9	15.1	45.3

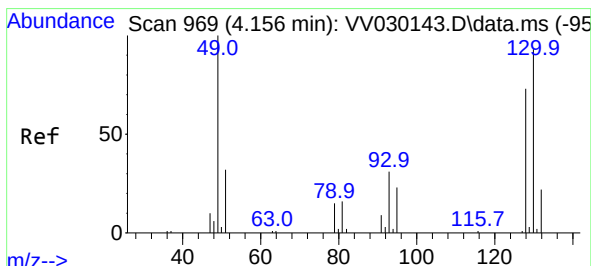
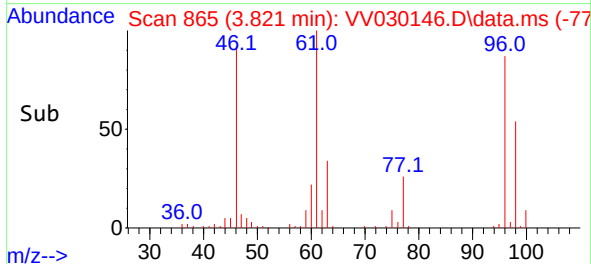
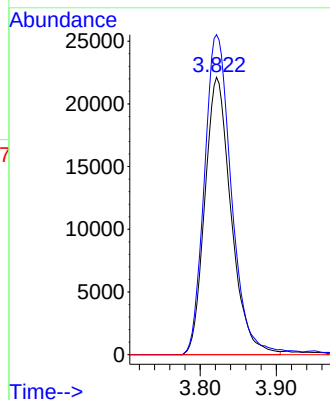
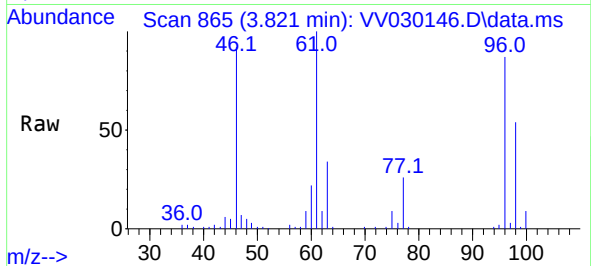




#22
cis-1,2-Dichloroethene
Concen: 5.121 ug/L
RT: 3.821 min Scan# 865
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

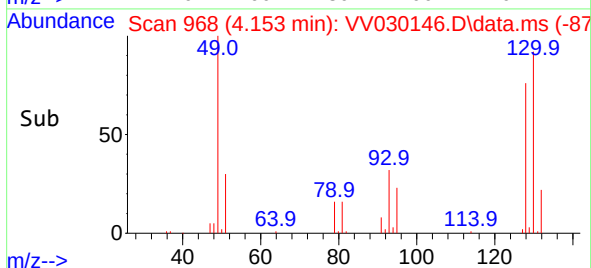
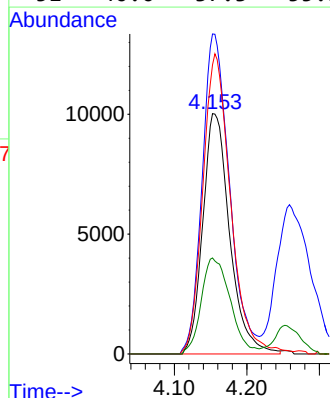
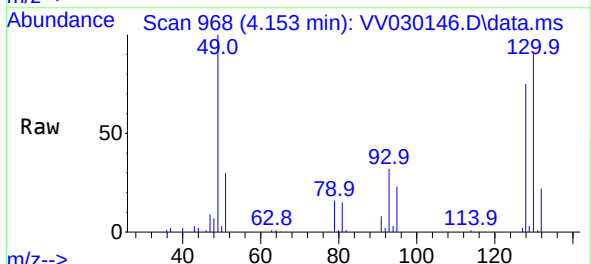
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

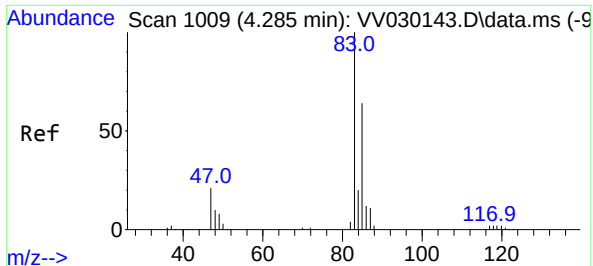
Tgt Ion: 96 Resp: 53174
Ion Ratio Lower Upper
96 100
61 115.4 83.4 154.8
68 0.0 0.0 0.0



#23
Bromochloromethane
Concen: 5.830 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.007 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 128 Resp: 25866
Ion Ratio Lower Upper
128 100
49 133.2 99.5 184.9
130 120.3 90.5 168.1
51 40.0 37.3 55.9





#25

Chloroform

Concen: 5.640 ug/L

RT: 4.281 min Scan# 1009

Delta R.T. -0.003 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

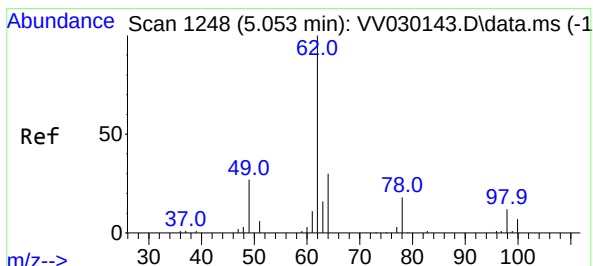
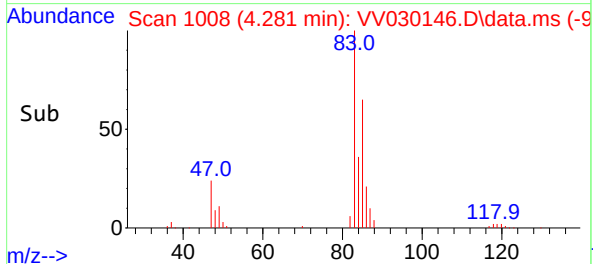
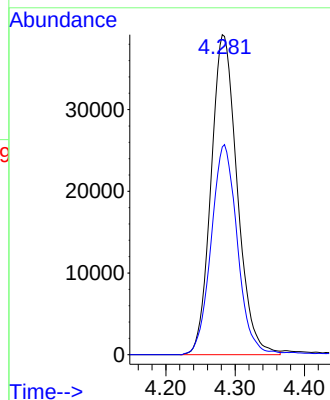
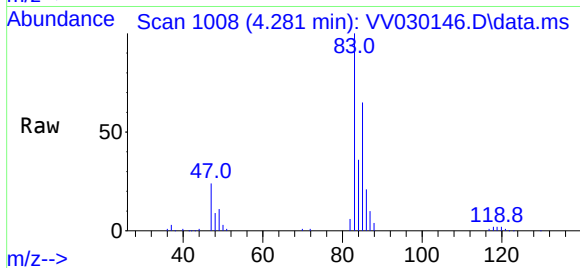
VSTD005295

Tgt Ion: 83 Resp: 102674

Ion Ratio Lower Upper

83 100

85 64.9 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.534 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV030146.D

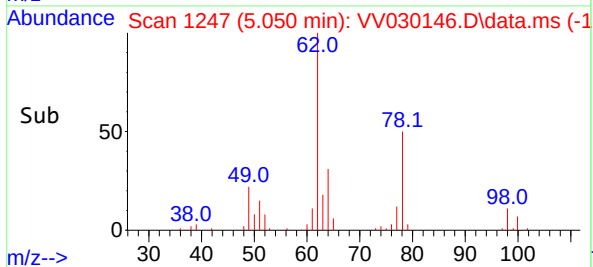
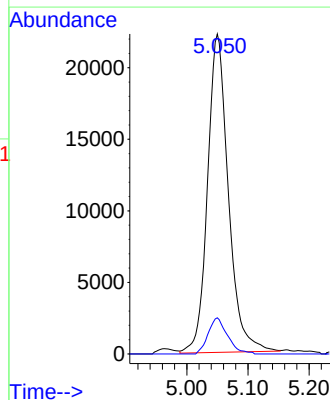
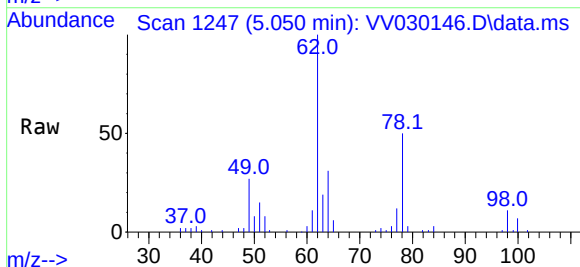
Acq: 08 Mar 2023 13:14

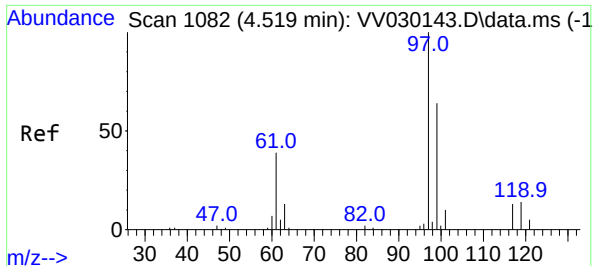
Tgt Ion: 62 Resp: 52693

Ion Ratio Lower Upper

62 100

98 11.3 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.580 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.003 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD005295

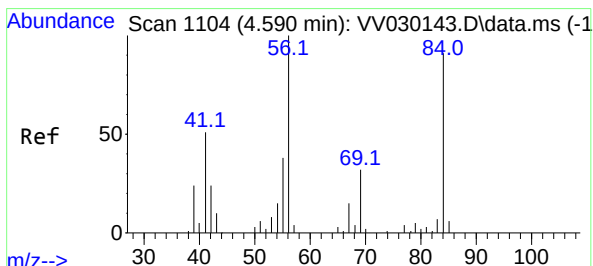
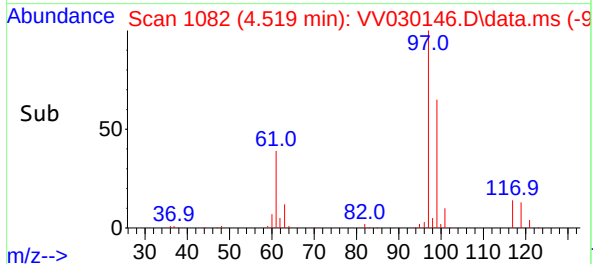
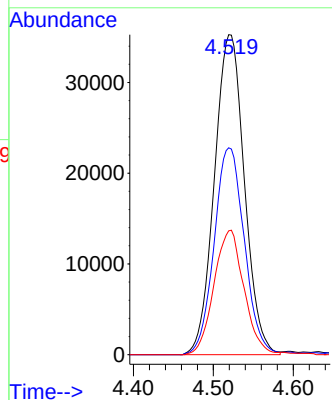
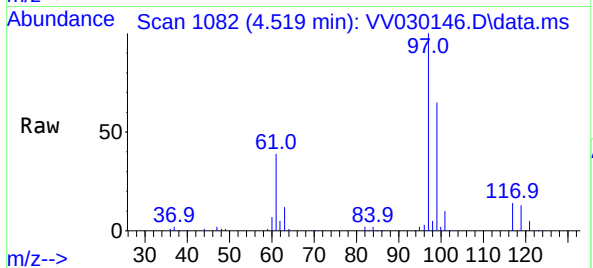
Tgt Ion: 97 Resp: 91929

Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

61 38.8 31.5 47.3



#30

Cyclohexane

Concen: 4.557 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

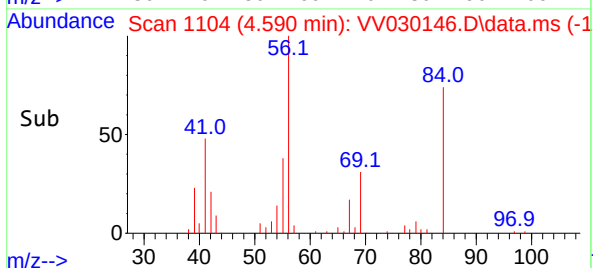
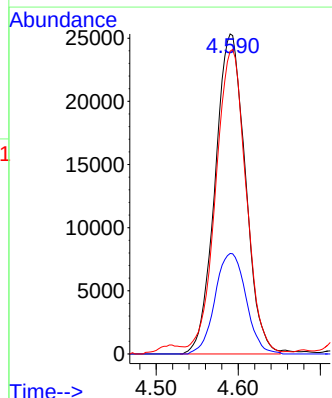
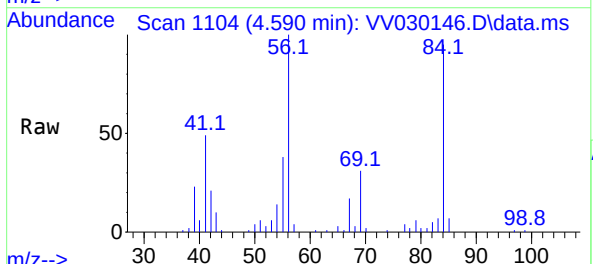
Tgt Ion: 56 Resp: 64866

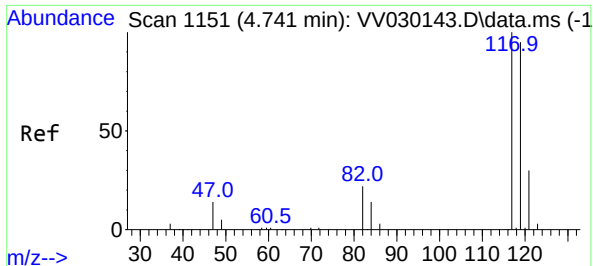
Ion Ratio Lower Upper

56 100

69 32.2 25.1 37.7

84 94.1 74.6 111.8

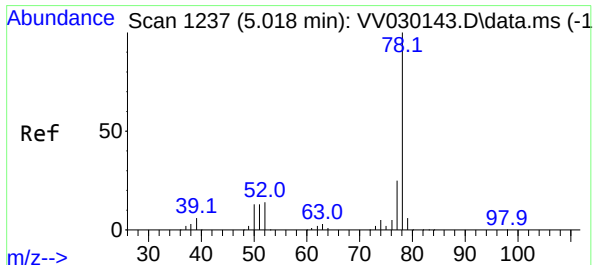
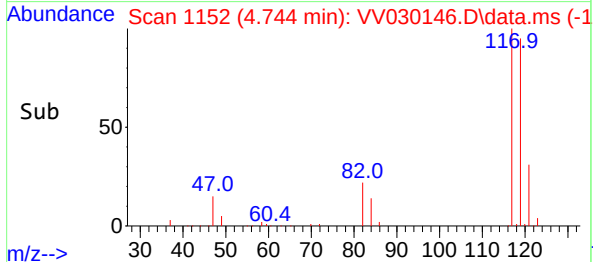
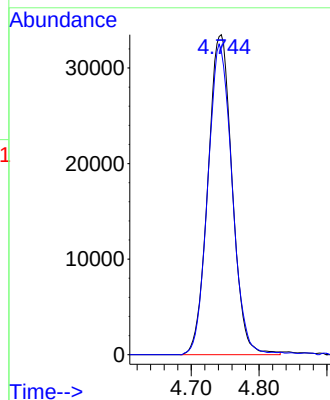
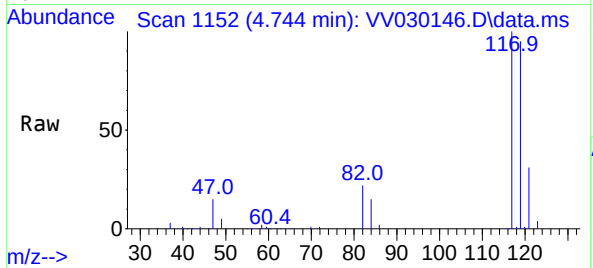




#31
Carbon tetrachloride
Concen: 5.613 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

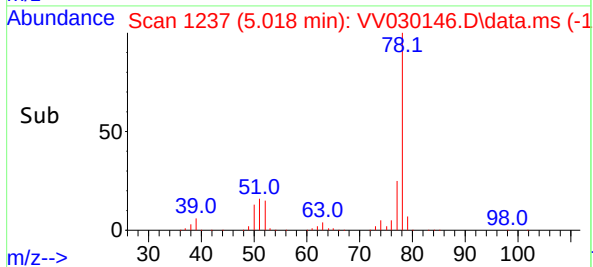
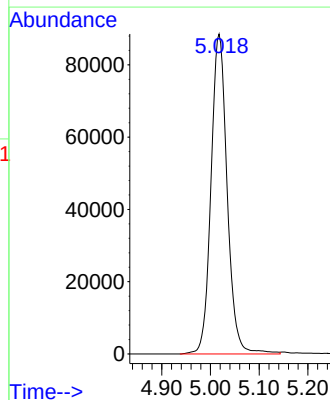
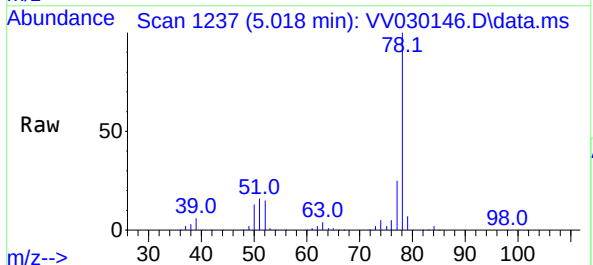
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

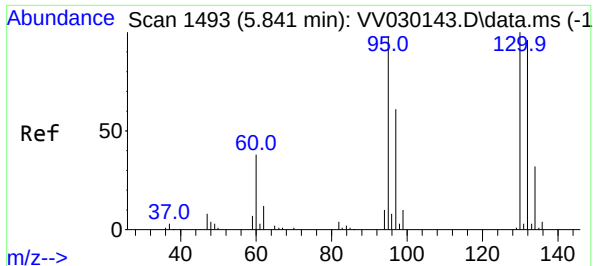
Tgt Ion:117 Resp: 83120
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1



#33
Benzene
Concen: 5.329 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 78 Resp: 204140



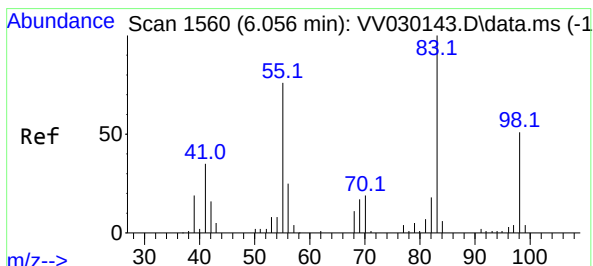
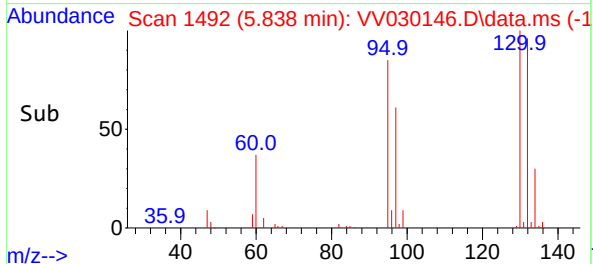
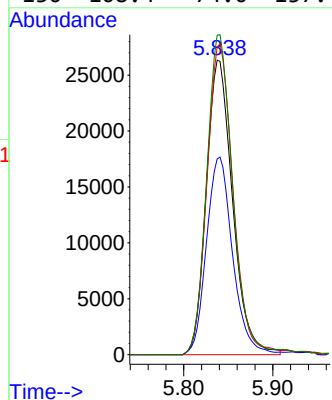
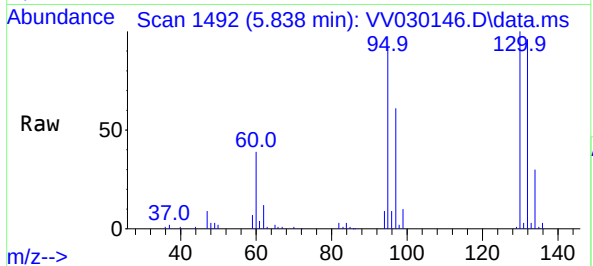


#34
Trichloroethene
Concen: 5.034 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

Tgt Ion: 95 Resp: 54027

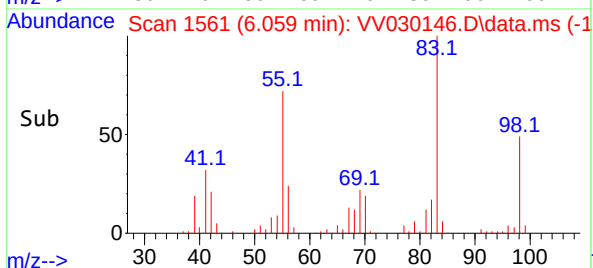
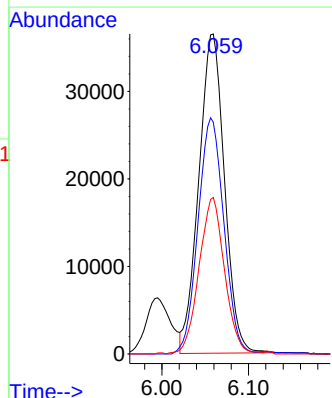
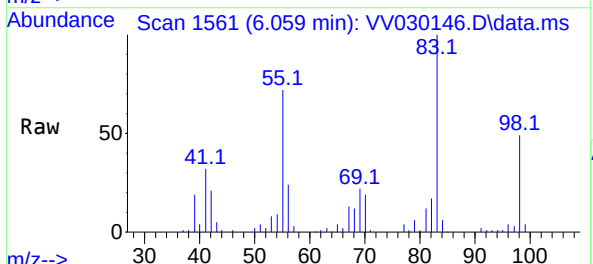
Ion	Ratio	Lower	Upper
95	100		
97	66.5	46.5	86.5
132	104.5	71.7	133.3
130	108.4	74.0	137.4

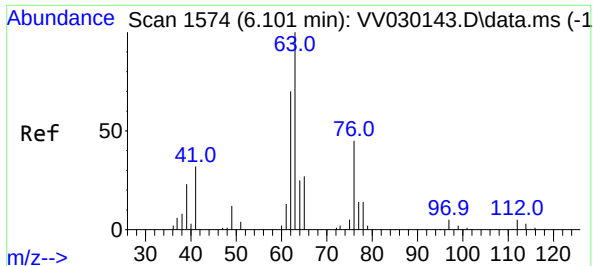


#35
Methylcyclohexane
Concen: 4.628 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 83 Resp: 75183

Ion	Ratio	Lower	Upper
83	100		
55	74.4	57.6	86.4
98	48.7	38.8	58.2

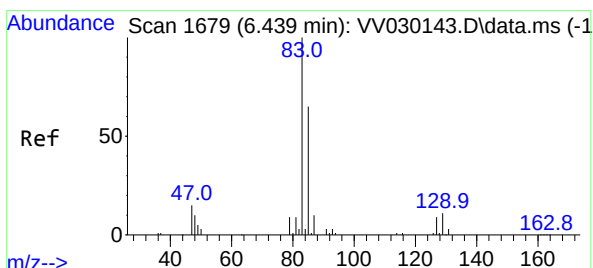
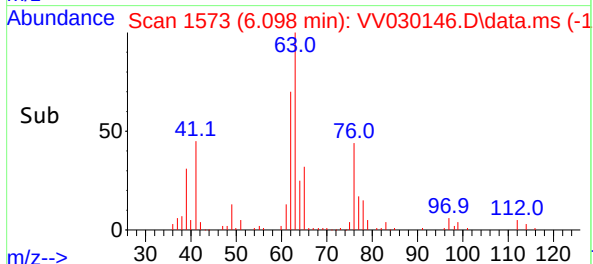
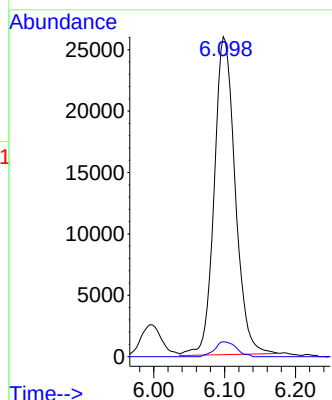
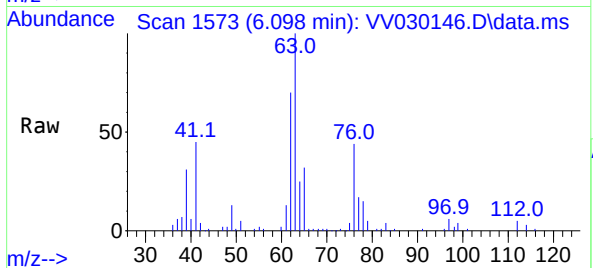




#37
1,2-Dichloropropane
Concen: 5.460 ug/L
RT: 6.098 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

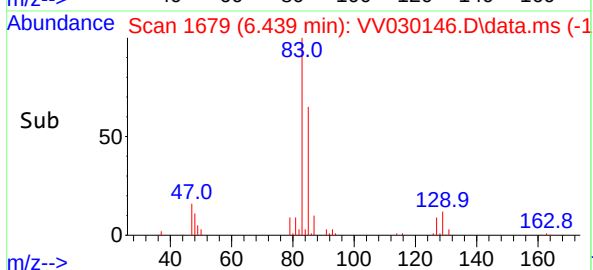
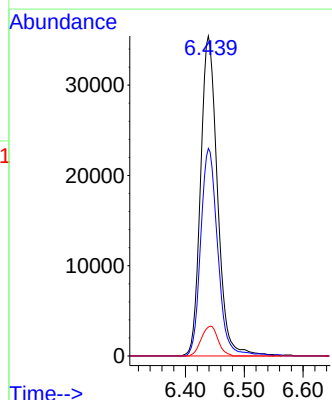
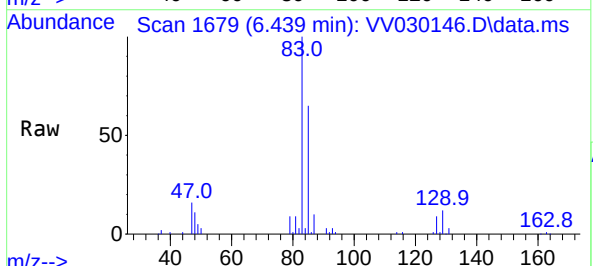
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

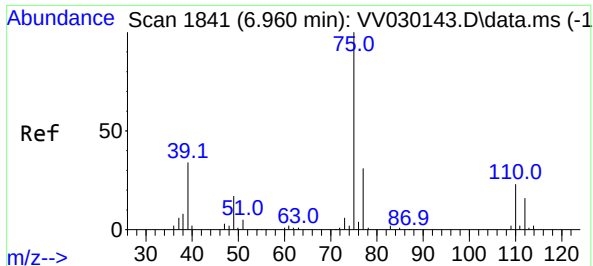
Tgt Ion: 63 Resp: 53207
Ion Ratio Lower Upper
63 100
112 4.9 3.8 5.6



#38
Bromodichloromethane
Concen: 5.680 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 83 Resp: 70658
Ion Ratio Lower Upper
83 100
85 64.9 44.3 82.3
127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.011 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

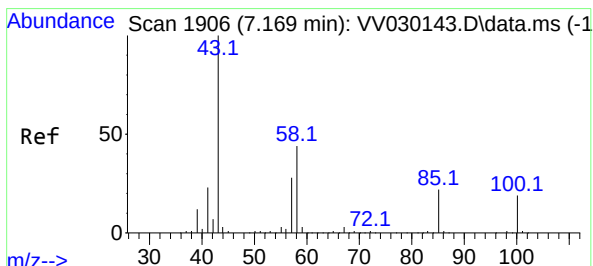
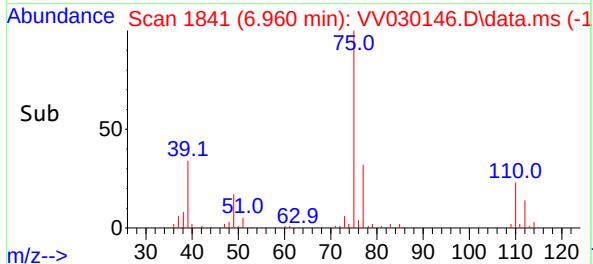
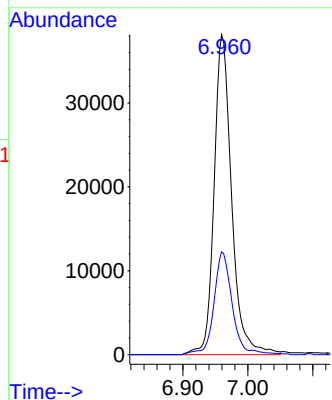
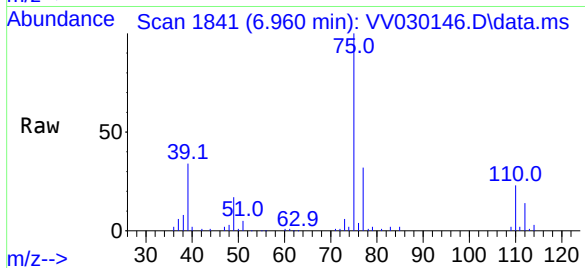
VSTD005295

Tgt Ion: 75 Resp: 71483

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 54.065 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

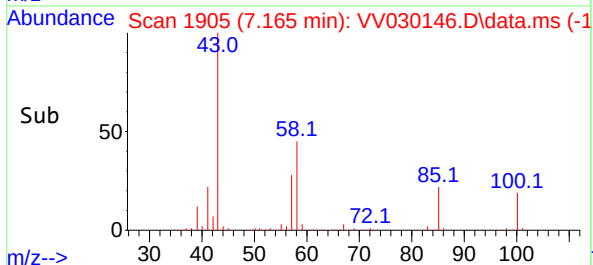
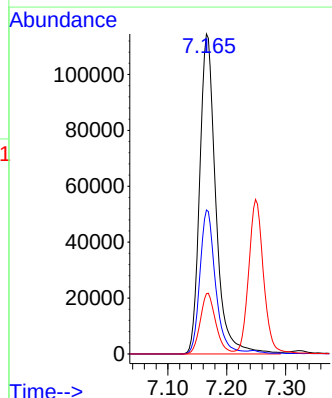
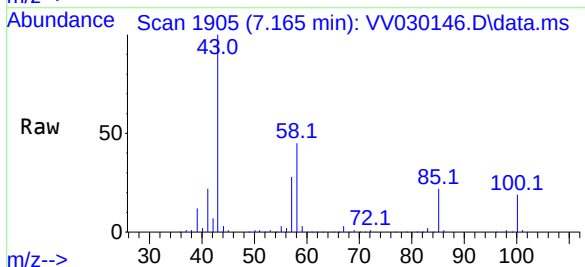
Tgt Ion: 43 Resp: 217401

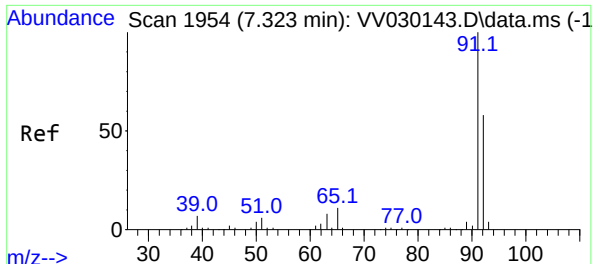
Ion Ratio Lower Upper

43 100

58 43.7 35.3 52.9

100 18.3 14.7 22.1





#42

Toluene

Concen: 5.420 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

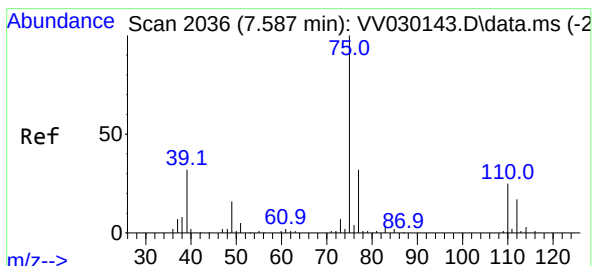
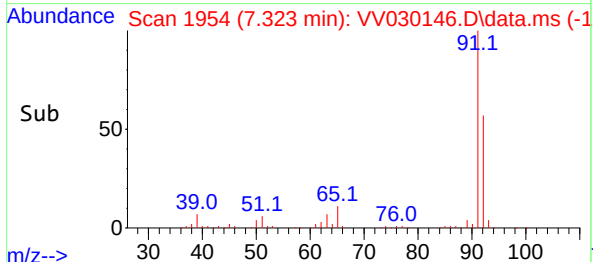
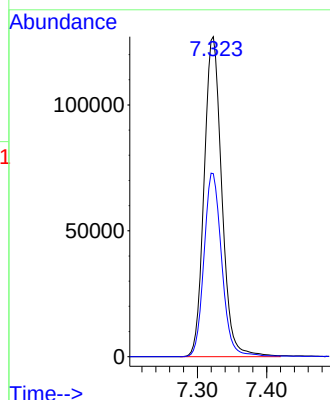
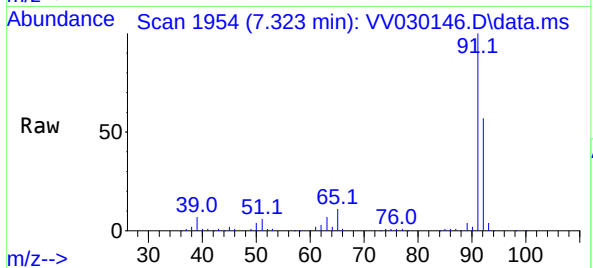
VSTD005295

Tgt Ion: 91 Resp: 224846

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.421 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV030146.D

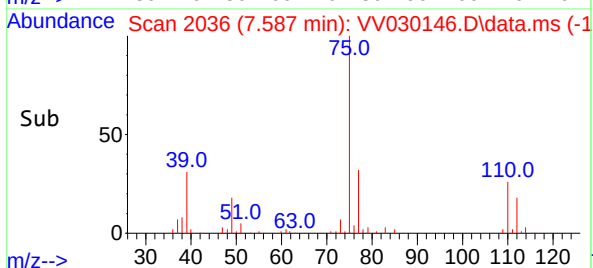
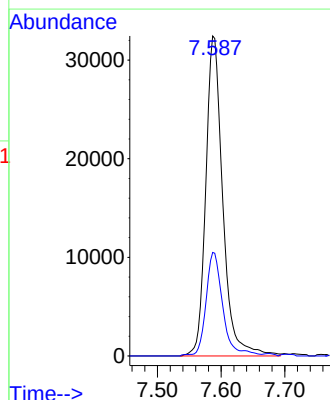
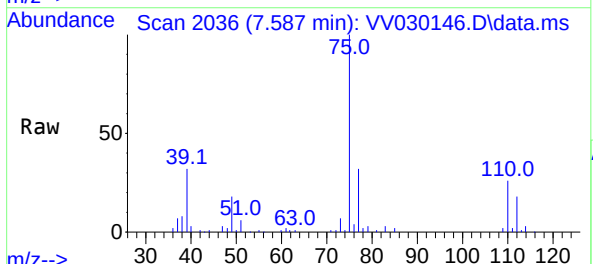
Acq: 08 Mar 2023 13:14

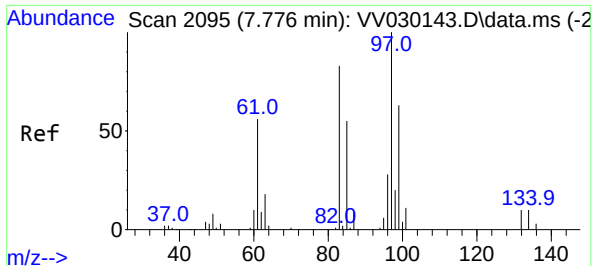
Tgt Ion: 75 Resp: 60371

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1

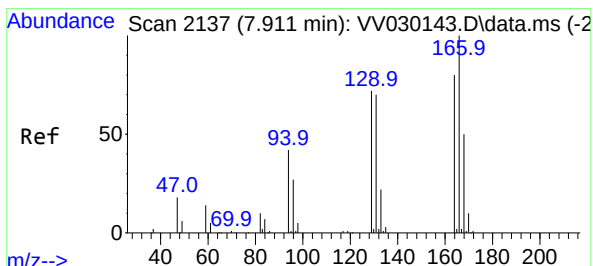
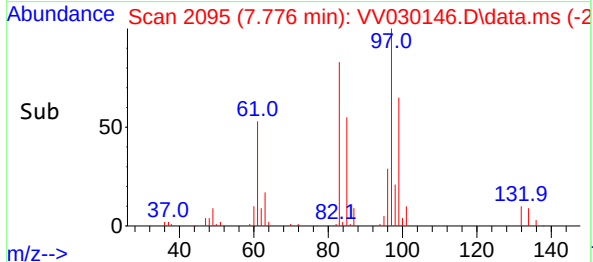
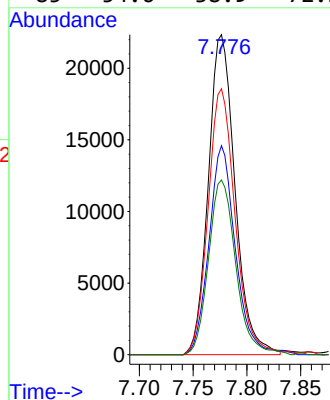
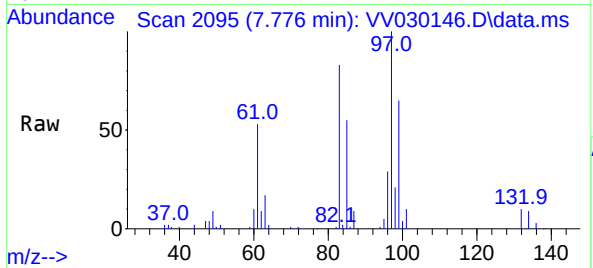




#45
1,1,2-Trichloroethane
Concen: 5.531 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

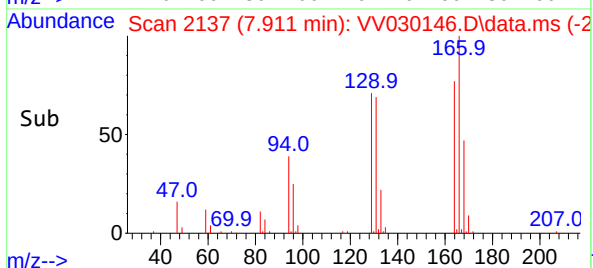
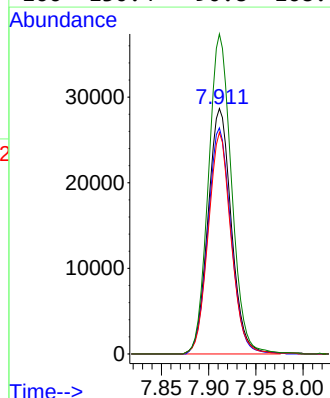
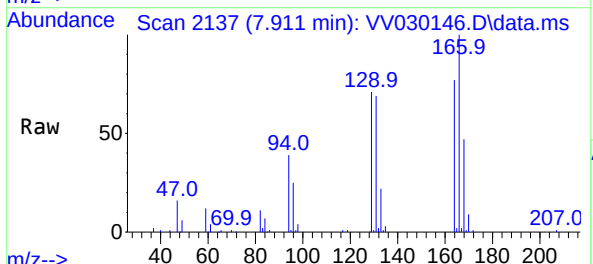
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

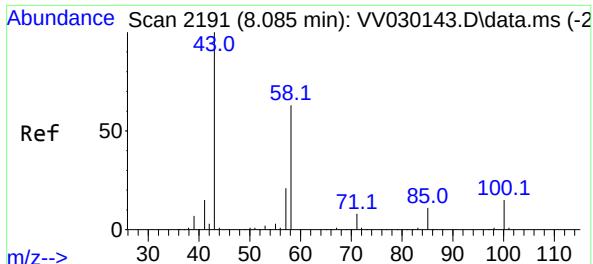
Tgt Ion:	97	Resp:	38569
Ion	Ratio	Lower	Upper
97	100		
99	65.3	42.6	79.2
83	83.1	57.7	107.3
85	54.6	38.9	72.2



#47
Tetrachloroethene
Concen: 5.357 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion:	164	Resp:	49350
Ion	Ratio	Lower	Upper
164	100		
129	92.1	63.6	118.2
131	90.2	61.7	114.7
166	130.4	90.8	168.6



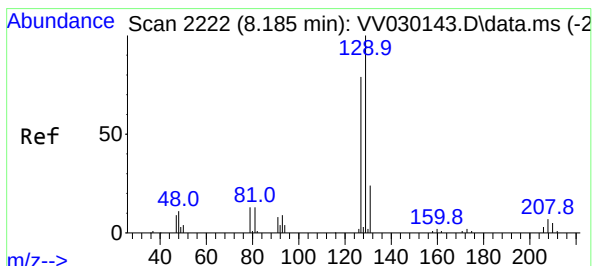
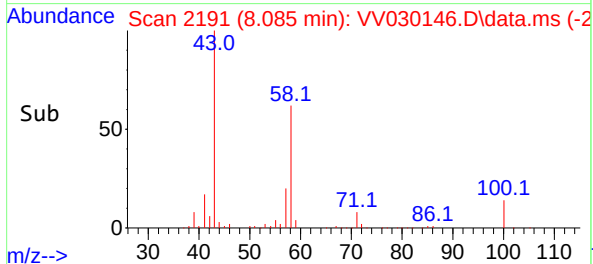
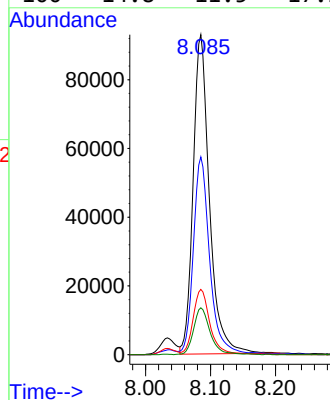
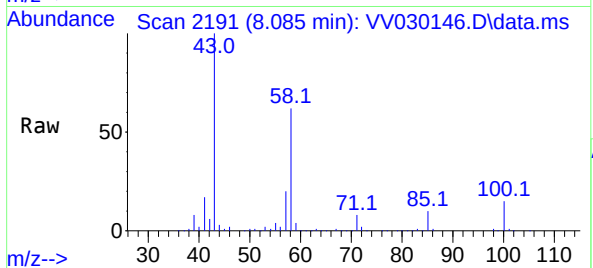


#48
2-Hexanone
Concen: 56.527 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

Tgt Ion: 43 Resp: 162724

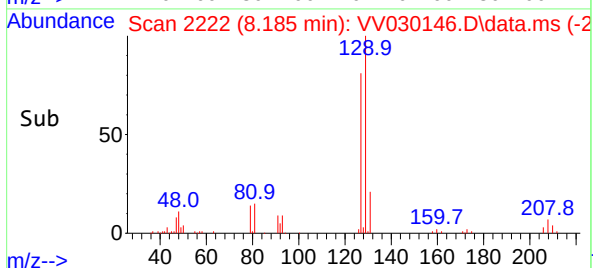
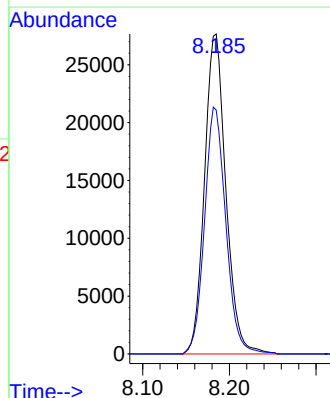
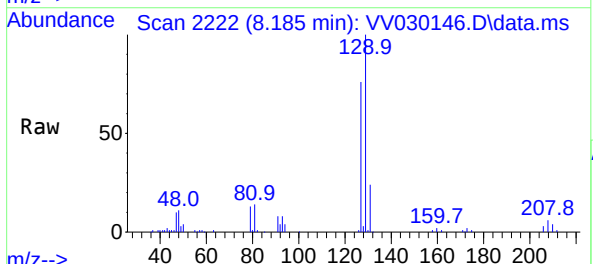
Ion	Ratio	Lower	Upper
43	100		
58	60.4	49.8	74.8
57	20.8	16.6	24.8
100	14.8	11.5	17.3

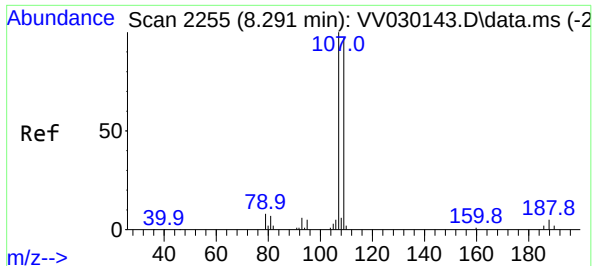


#49
Dibromochloromethane
Concen: 5.815 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 129 Resp: 47447

Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.7	101.5



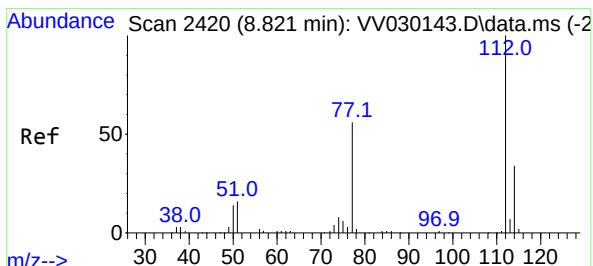
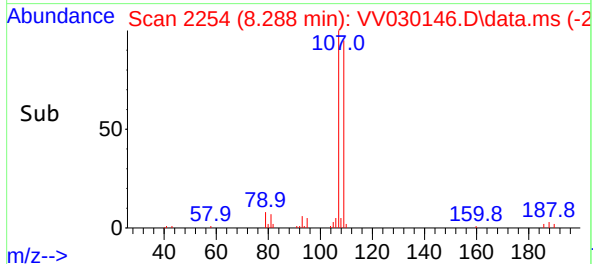
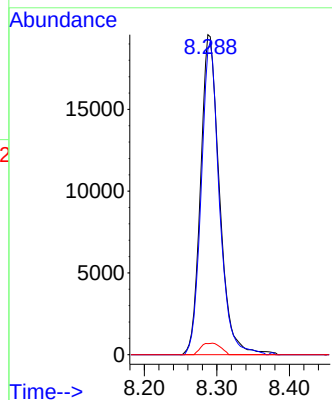
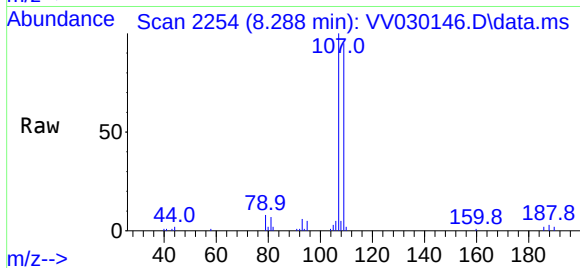


#50
1,2-Dibromoethane
Concen: 5.437 ug/L
RT: 8.288 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

Tgt Ion:107 Resp: 35372

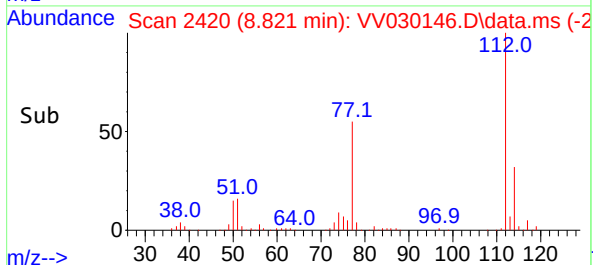
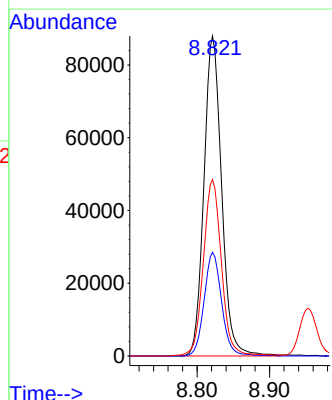
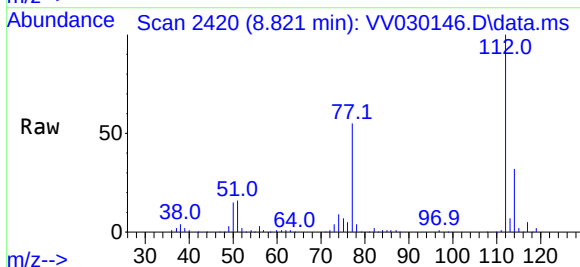
Ion	Ratio	Lower	Upper
107	100		
109	95.3	63.3	117.7
188	3.4	3.0	4.6

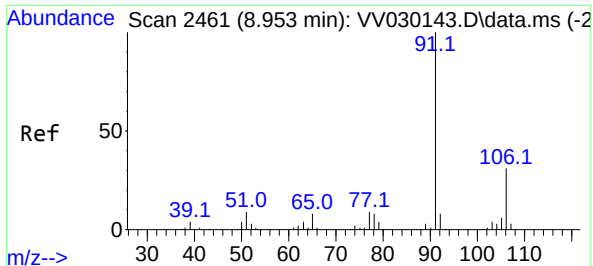


#51
Chlorobenzene
Concen: 5.337 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion:112 Resp: 149311

Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.7
77	55.2	45.3	67.9

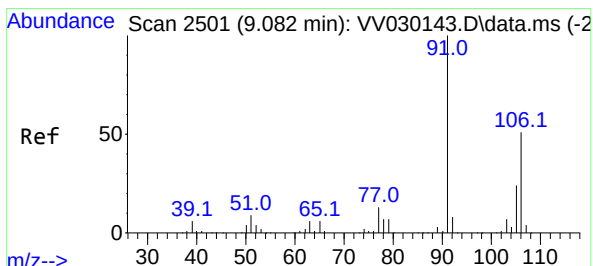
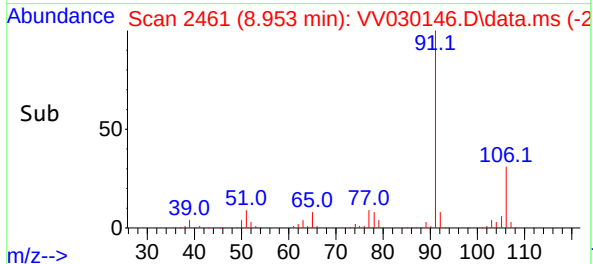
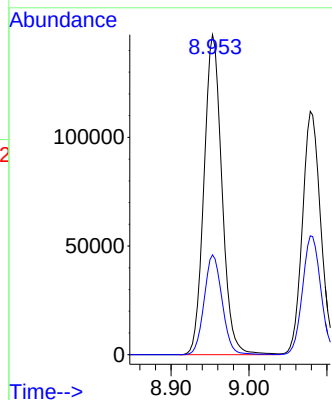
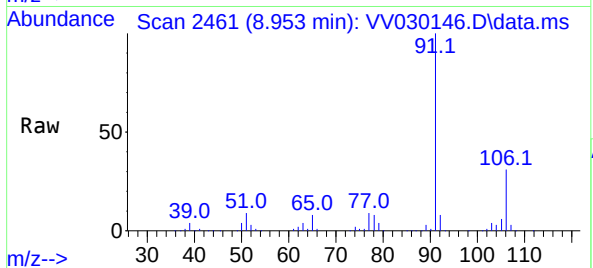




#52
Ethylbenzene
Concen: 5.214 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

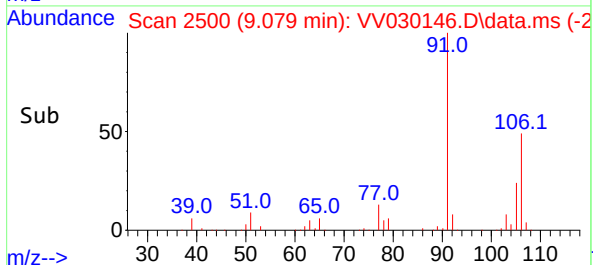
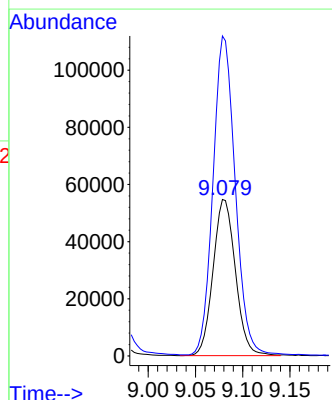
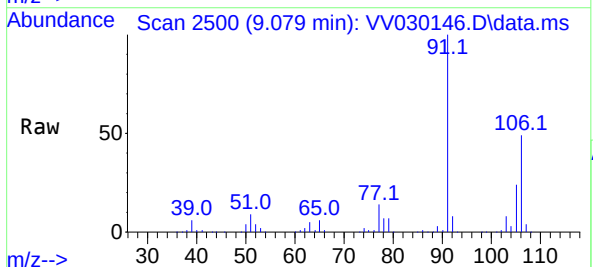
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

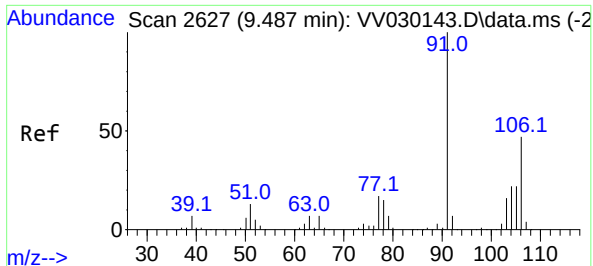
Tgt Ion: 91 Resp: 235403
Ion Ratio Lower Upper
91 100
106 31.2 22.0 40.8



#53
m,p-Xylene
Concen: 5.180 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 106 Resp: 89883
Ion Ratio Lower Upper
106 100
91 204.6 142.5 264.7

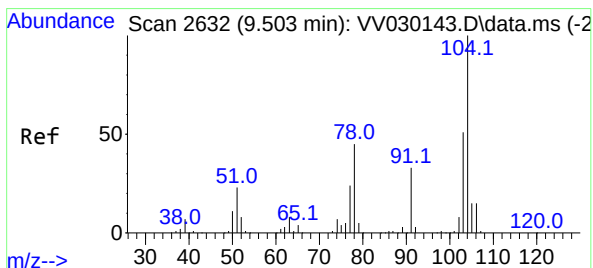
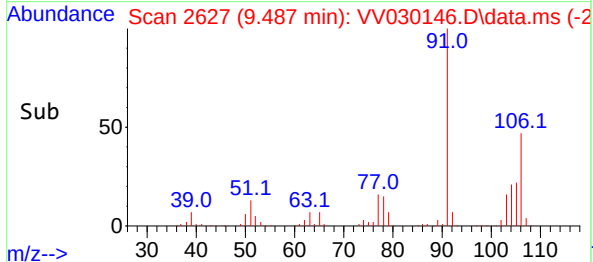
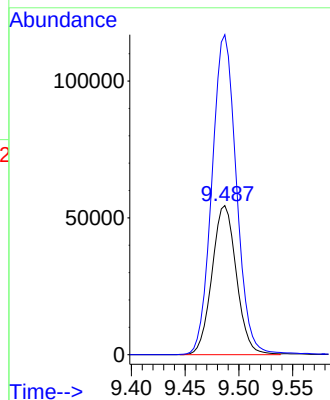
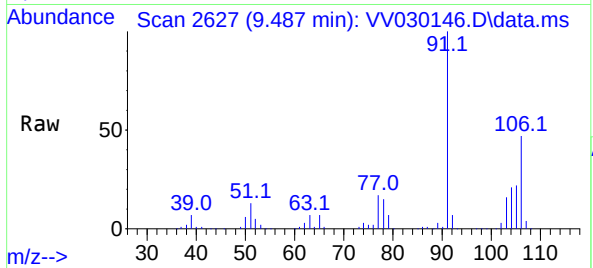




#54
o-Xylene
Concen: 5.193 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

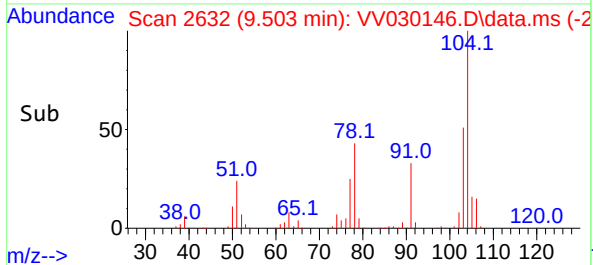
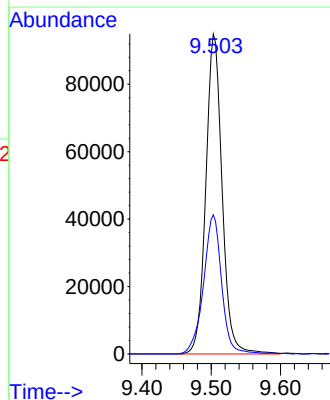
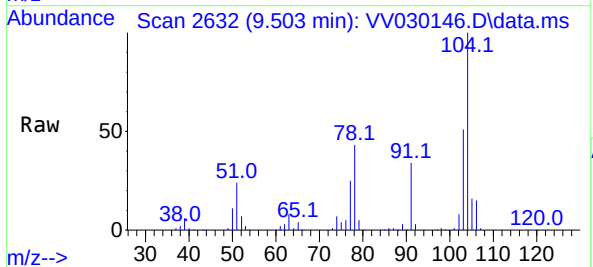
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

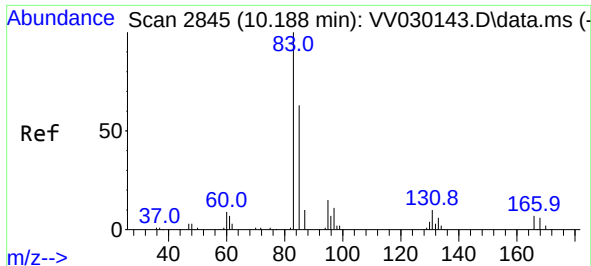
Tgt Ion:106 Resp: 86075
Ion Ratio Lower Upper
106 100
91 214.6 148.8 276.4



#55
Styrene
Concen: 5.608 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion:104 Resp: 154564
Ion Ratio Lower Upper
104 100
78 43.5 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.813 ug/L

RT: 10.185 min Scan# 2845

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD005295

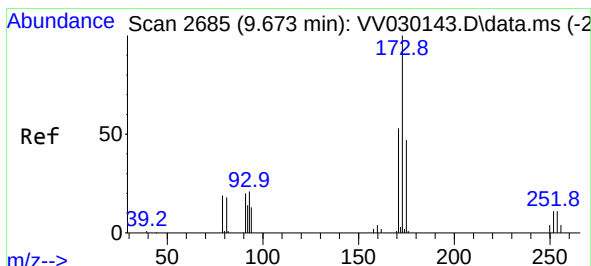
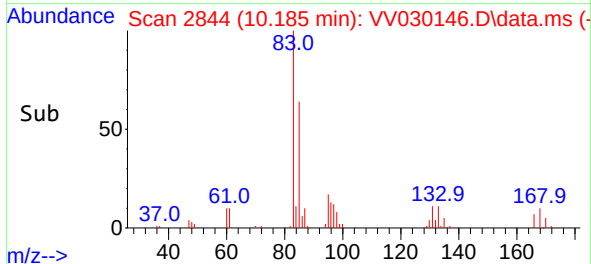
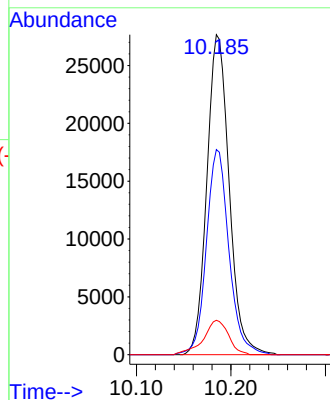
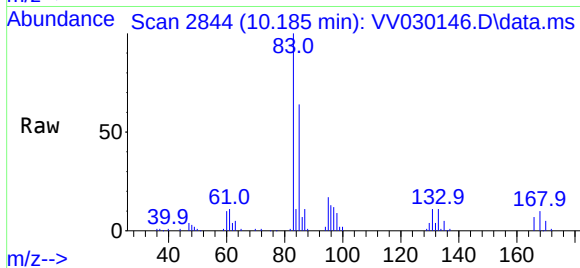
Tgt Ion: 83 Resp: 45338

Ion Ratio Lower Upper

83 100

85 64.1 45.0 83.6

131 10.8 8.2 12.4



#59

Bromoform

Concen: 5.343 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

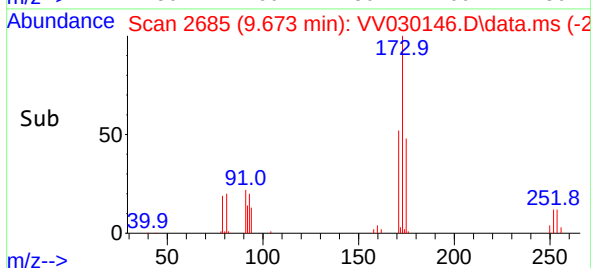
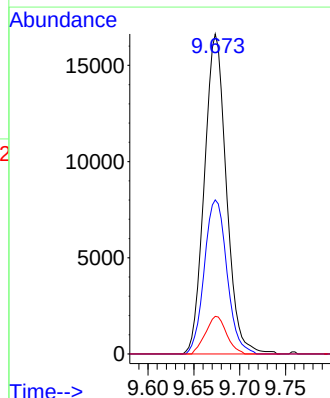
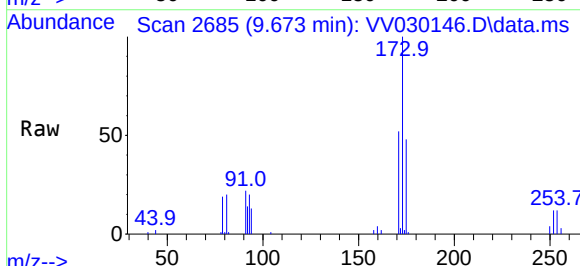
Tgt Ion:173 Resp: 27739

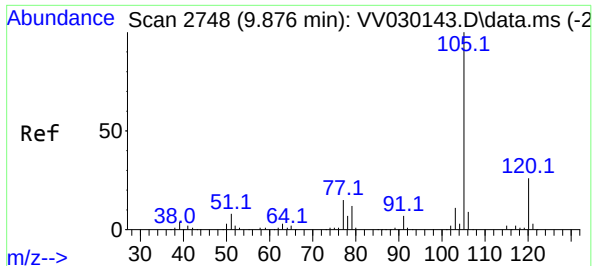
Ion Ratio Lower Upper

173 100

175 49.5 38.5 57.7

254 11.2 8.6 13.0

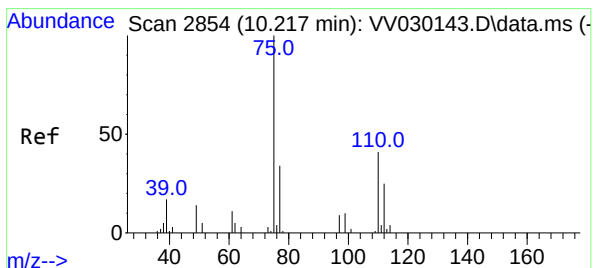
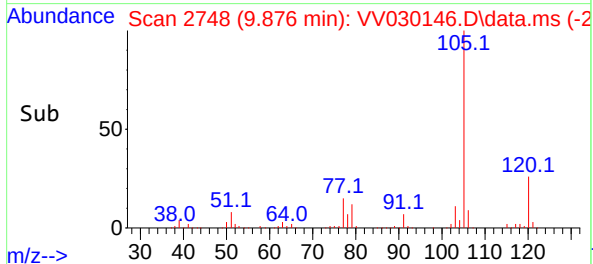
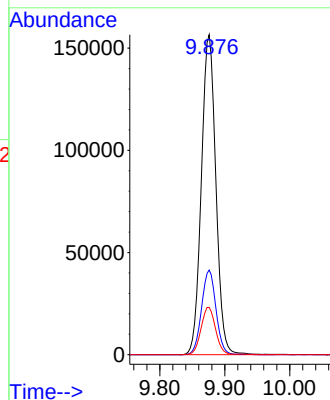
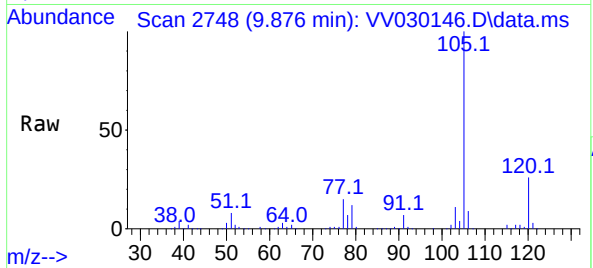




#60
Isopropylbenzene
Concen: 4.892 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

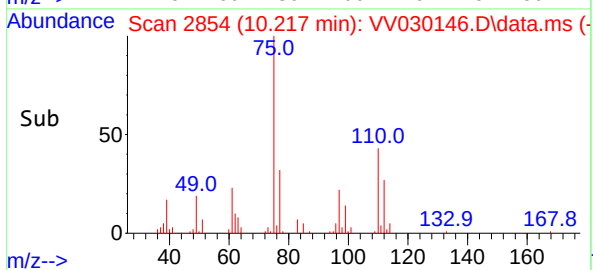
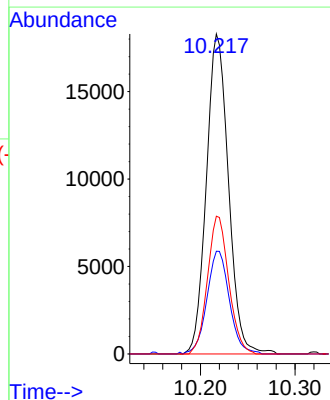
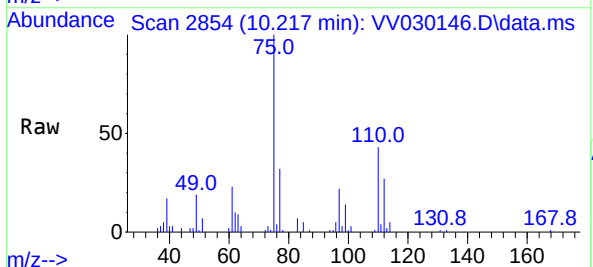
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

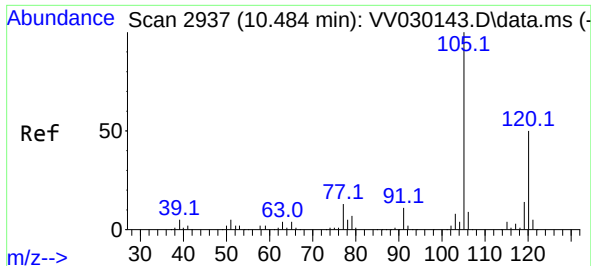
Tgt Ion:105 Resp: 243823
Ion Ratio Lower Upper
105 100
120 26.3 21.4 32.0
77 14.8 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 5.122 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion: 75 Resp: 29691
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7
110 41.4 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.728 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

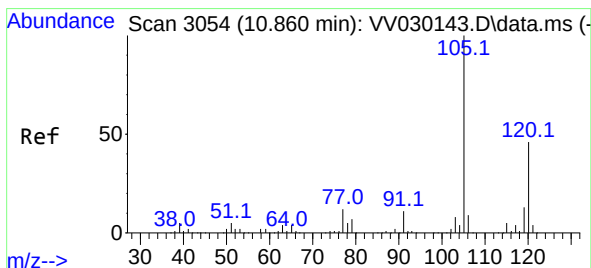
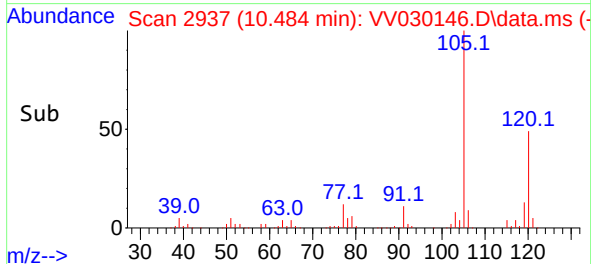
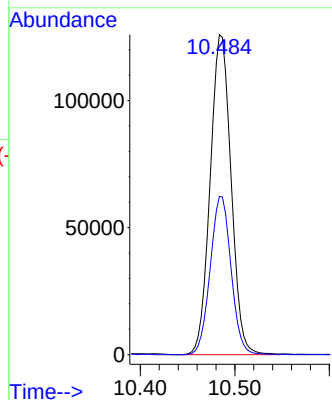
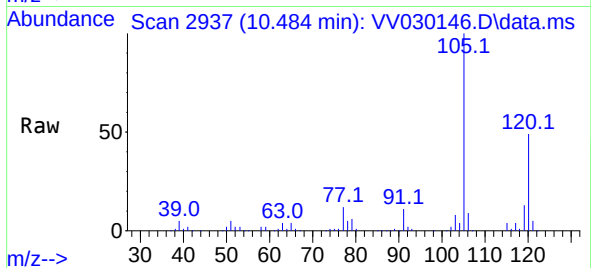
VSTD005295

Tgt Ion:105 Resp: 193540

Ion Ratio Lower Upper

105 100

120 49.3 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.860 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030146.D

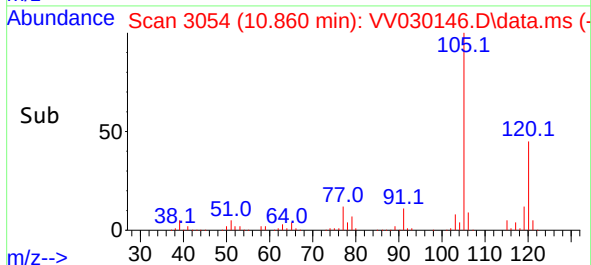
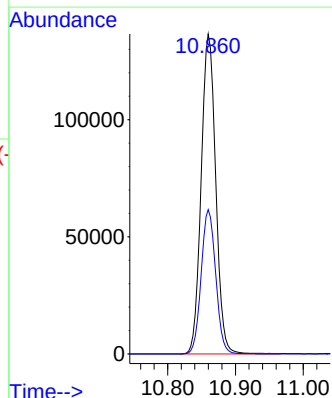
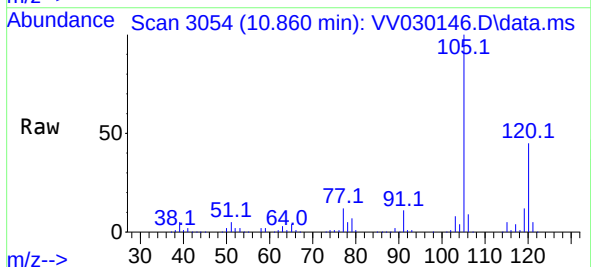
Acq: 08 Mar 2023 13:14

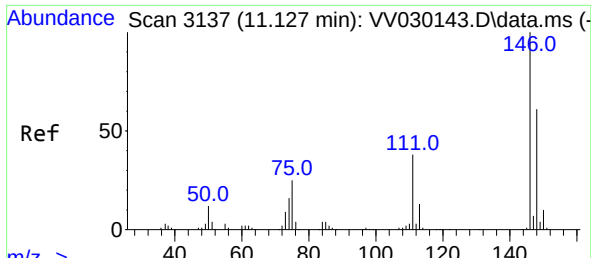
Tgt Ion:105 Resp: 203535

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.4

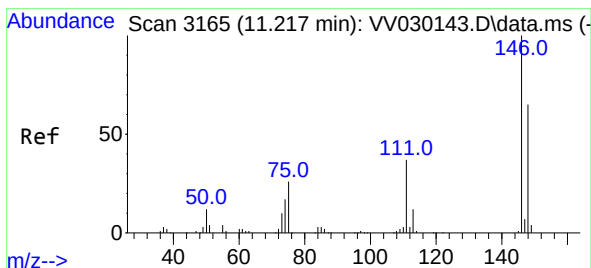
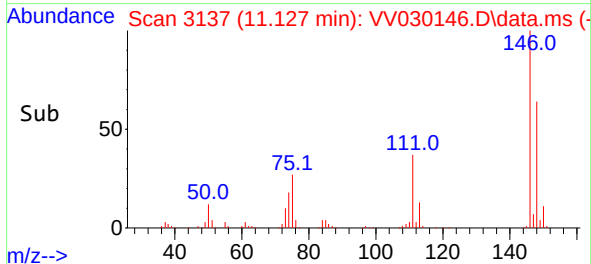
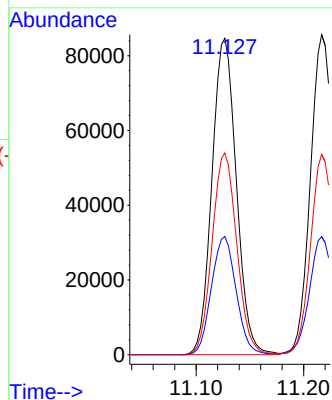
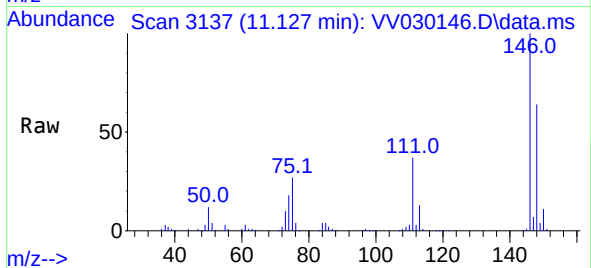




#64
1,3-Dichlorobenzene
Concen: 5.152 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

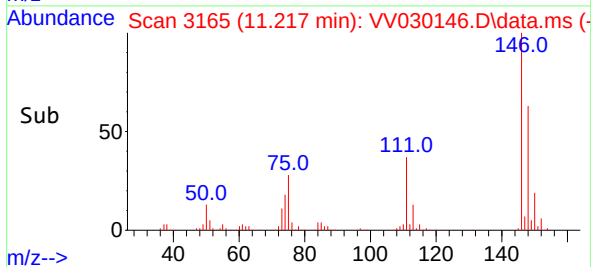
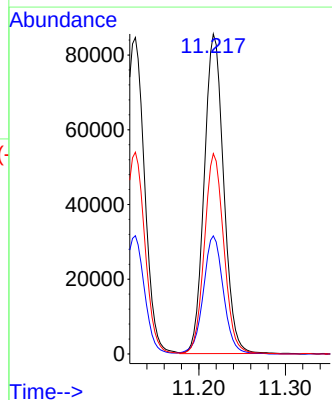
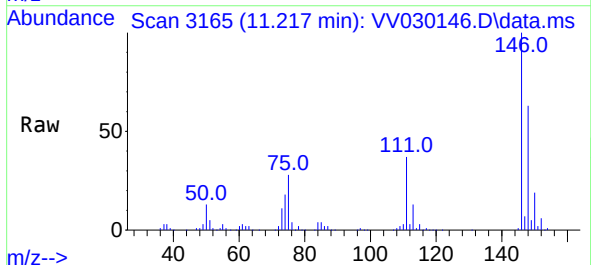
Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

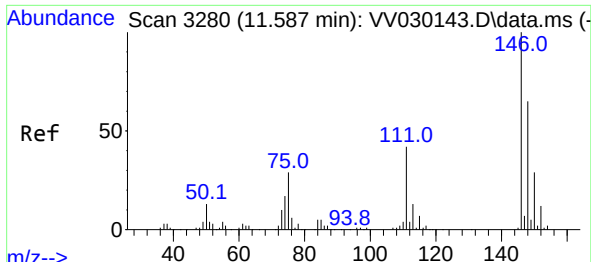
Tgt Ion:146 Resp: 133678
Ion Ratio Lower Upper
146 100
111 37.4 27.7 51.5
148 63.8 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.090 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion:146 Resp: 133274
Ion Ratio Lower Upper
146 100
111 36.9 27.4 51.0
148 62.6 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.217 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD005295

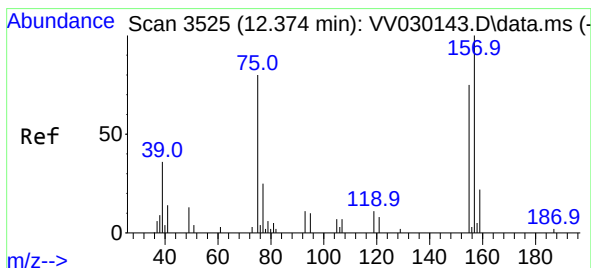
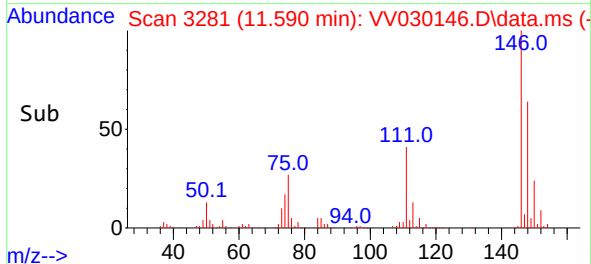
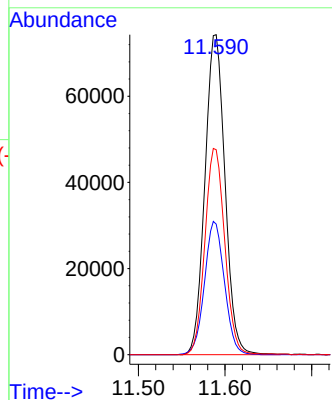
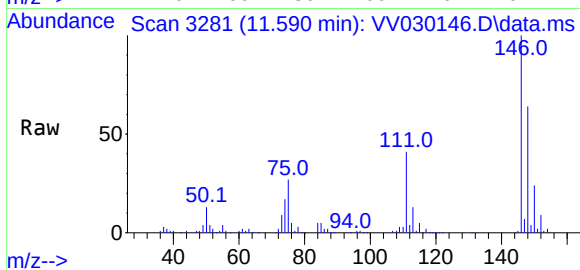
Tgt Ion:146 Resp: 119538

Ion Ratio Lower Upper

146 100

111 40.8 33.5 50.3

148 64.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.978 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

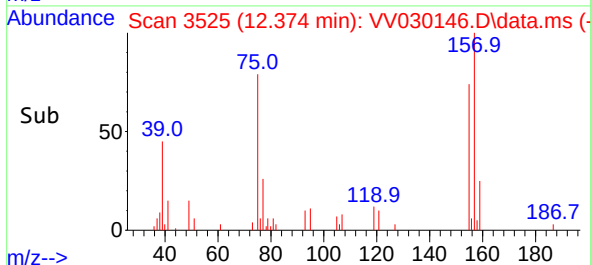
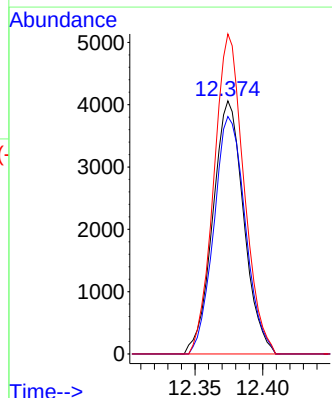
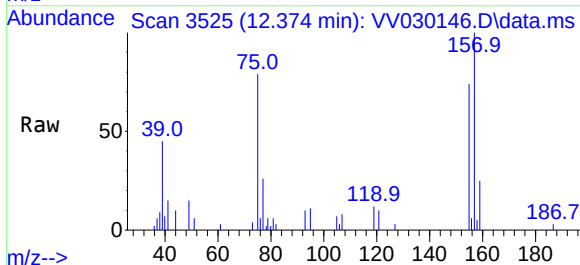
Tgt Ion: 75 Resp: 6445

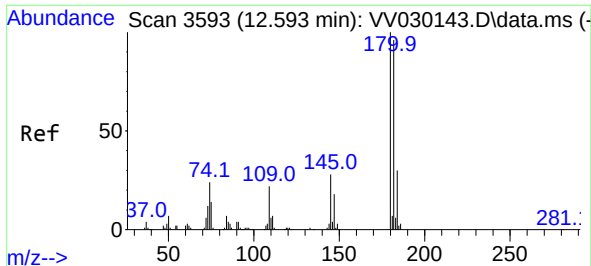
Ion Ratio Lower Upper

75 100

155 93.8 79.1 118.7

157 126.4 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.964 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD005295

Tgt Ion:180 Resp: 105896

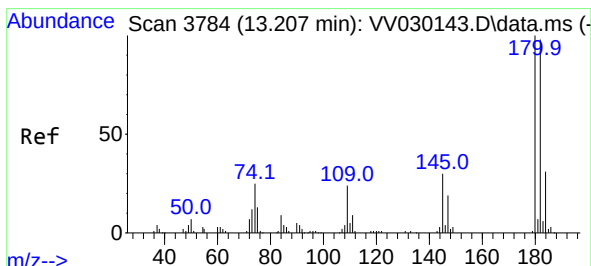
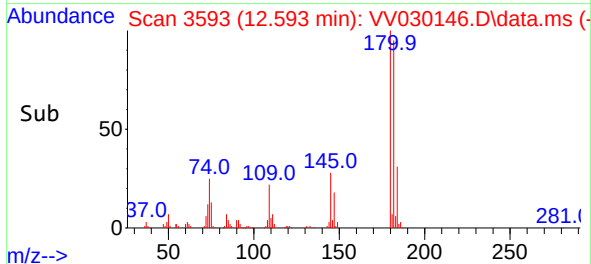
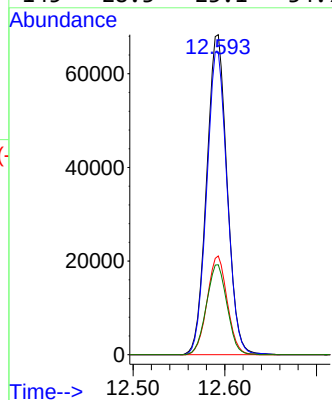
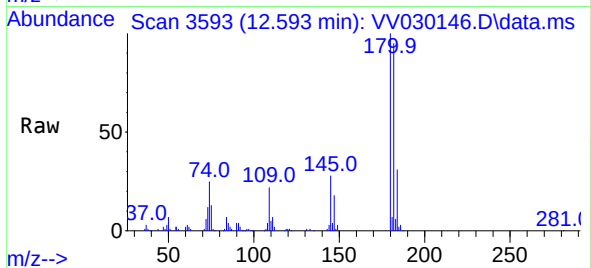
Ion Ratio Lower Upper

180 100

182 94.8 76.5 114.7

184 30.3 24.3 36.5

145 28.3 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.543 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030146.D

Acq: 08 Mar 2023 13:14

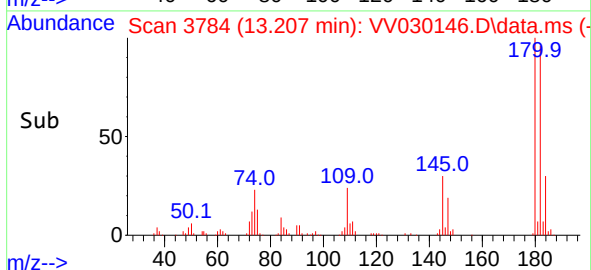
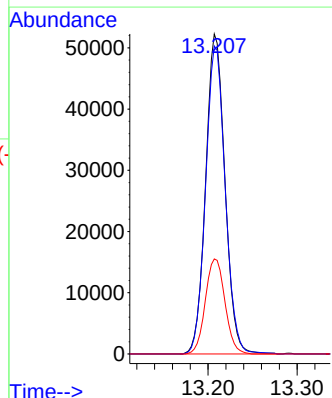
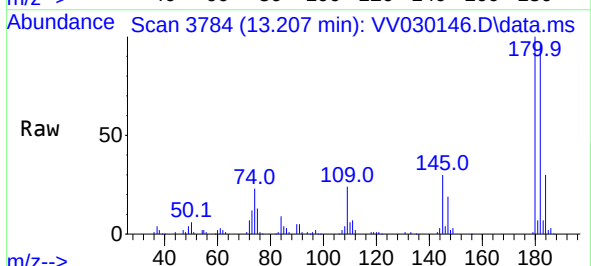
Tgt Ion:180 Resp: 78513

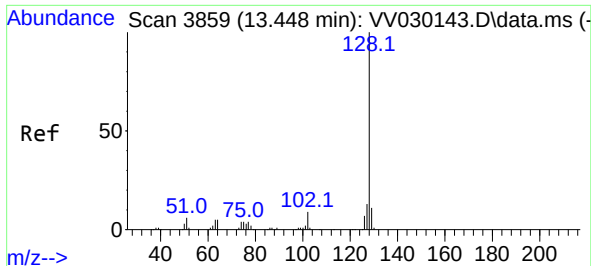
Ion Ratio Lower Upper

180 100

182 97.8 77.3 115.9

145 30.2 23.1 34.7

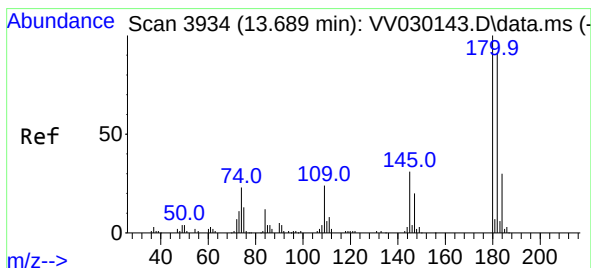
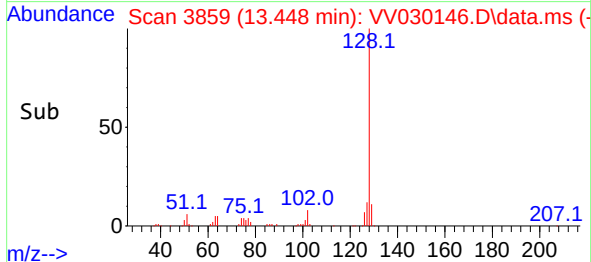
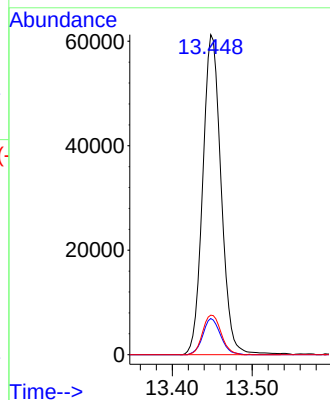
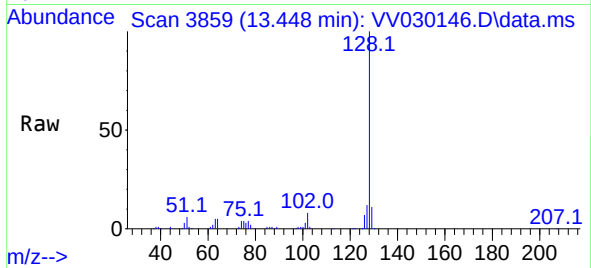




#71
Naphthalene
Concen: 4.332 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD005295

Tgt Ion:	128	Resp:	97832
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.4	10.4	15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.732 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030146.D
Acq: 08 Mar 2023 13:14

Tgt Ion:	180	Resp:	67314
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
145	31.2	25.1	37.7

