

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033273.D
 Acq On : 13 Dec 2023 12:42
 Operator : SY/MD
 Sample : VSTD020
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020220

Quant Time: Dec 13 23:02:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 22:59:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	155361	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	150625	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	86735	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	223153	17.739	ug/L	0.00
7) Chloroethane-d5	1.532	69	160969	13.685	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	83031	14.921	ug/L	0.00
20) 2-Butanone-d5	3.809	46	290580	174.032	ug/L	-0.03
24) Chloroform-d	4.243	84	448476	19.898	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	196400	19.650	ug/L	0.00
32) Benzene-d6	4.956	84	865845	21.949	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	199375	18.518	ug/L	0.00
41) Toluene-d8	7.239	98	852983	22.694	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	95449	21.936	ug/L	0.00
46) 2-Hexanone-d5	8.024	63	292149	202.865	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.152	84	135510	17.232	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	333509	21.855	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	404671	22.705	ug/L	97
3) Chloromethane	1.214	50	229110	14.553	ug/L	99
5) Vinyl chloride	1.281	62	236059	15.520	ug/L	98
6) Bromomethane	1.487	94	154183	14.286	ug/L	97
8) Chloroethane	1.548	64	121884	11.045	ug/L	99
9) Trichlorofluoromethane	1.712	101	409924	16.745	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	191729	14.337	ug/L	99
12) 1,1-Dichloroethene	2.066	96	181533	14.600	ug/L	92
13) Acetone	2.159	43	166019	108.838	ug/L #	61
14) Carbon disulfide	2.236	76	587642	16.034	ug/L	100
15) Methyl Acetate	2.384	43	44317	13.110	ug/L	93
16) Methylene chloride	2.445	84	191608	12.797	ug/L	98
17) Methyl tert-butyl Ether	2.703	73	402531	18.611	ug/L	98
18) trans-1,2-Dichloroethene	2.690	96	222406	18.136	ug/L	96
19) 1,1-Dichloroethane	3.108	63	343333	16.114	ug/L	98
21) 2-Butanone	3.886	43	265566	140.418	ug/L	94
22) cis-1,2-Dichloroethene	3.809	96	237973	18.708	ug/L	92
23) Bromochloromethane	4.143	128	99759	17.340	ug/L	96
25) Chloroform	4.268	83	405854	17.004	ug/L	98
27) 1,2-Dichloroethane	5.037	62	222224	17.368	ug/L	96
29) 1,1,1-Trichloroethane	4.506	97	418269	19.850	ug/L	99
30) Cyclohexane	4.577	56	289629	19.985	ug/L	99
31) Carbon tetrachloride	4.731	117	392896	21.219	ug/L	100
33) Benzene	5.005	78	830225	18.954	ug/L	100
34) Trichloroethene	5.828	95	240527	19.547	ug/L	98
35) Methylcyclohexane	6.046	83	369265	22.108	ug/L	98
37) 1,2-Dichloropropane	6.088	63	166673	15.949	ug/L	100
38) Bromodichloromethane	6.429	83	270542	17.991	ug/L	96
39) cis-1,3-Dichloropropene	6.950	75	299743	19.911	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	660108	161.937	ug/L	99
42) Toluene	7.310	91	969116	19.945	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	247052	20.277	ug/L	98

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

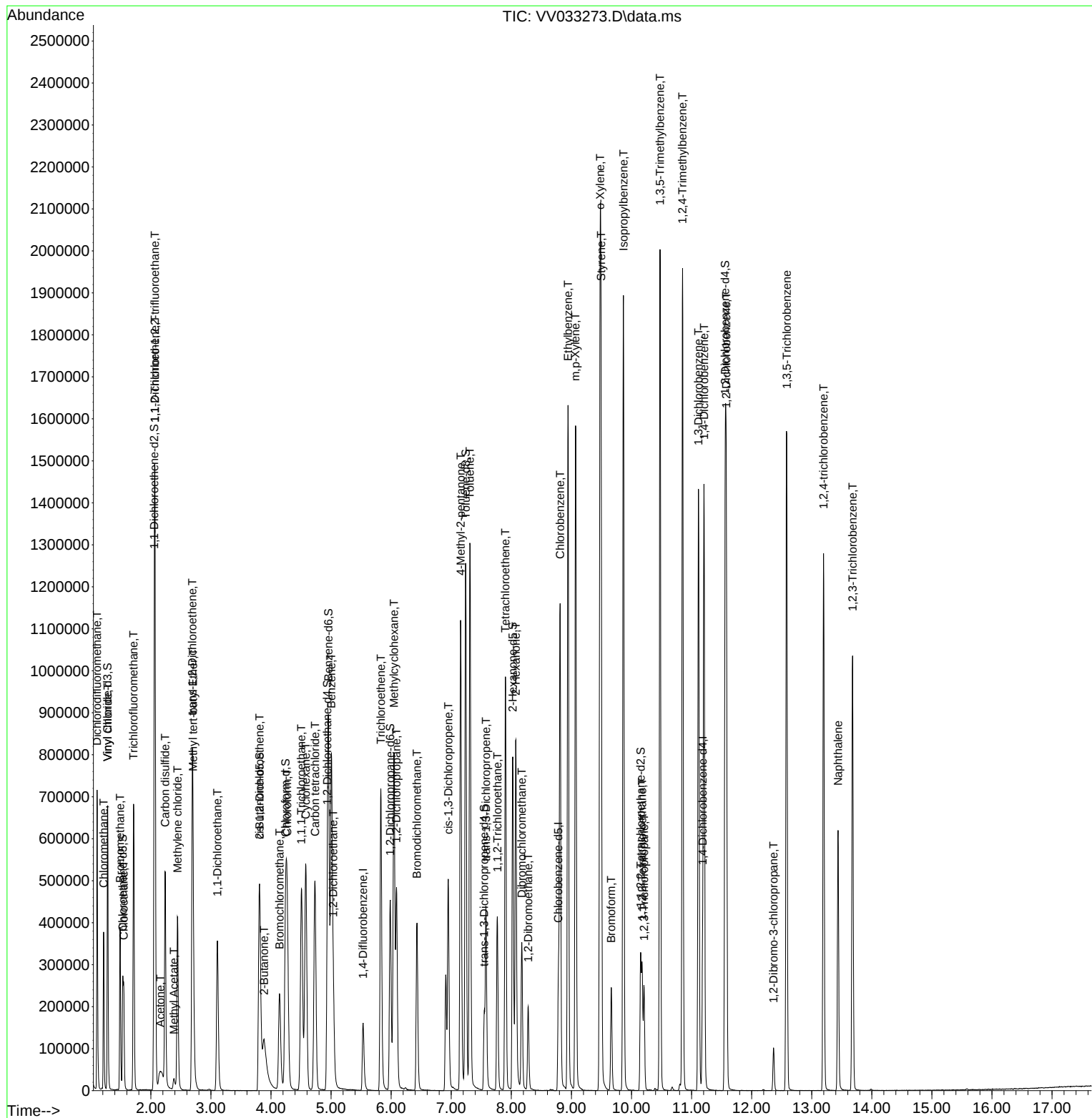
45) 1,1,2-Trichloroethane	7.767	97	127385	16.578	ug/L	96
47) Tetrachloroethene	7.902	164	227041	21.344	ug/L	98
48) 2-Hexanone	8.075	43	484304	159.029	ug/L	99
49) Dibromochloromethane	8.175	129	183116	19.176	ug/L	100
50) 1,2-Dibromoethane	8.281	107	126458	17.248	ug/L	99
51) Chlorobenzene	8.812	112	650412	19.852	ug/L	99
52) Ethylbenzene	8.943	91	1130699	22.026	ug/L	100
53) m,p-Xylene	9.069	106	456225	22.535	ug/L	100
54) o-Xylene	9.477	106	430664	22.545	ug/L	99
55) Styrene	9.493	104	736085	22.533	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	125223	14.925	ug/L	97
59) Bromoform	9.664	173	110123	19.874	ug/L	97
60) Isopropylbenzene	9.866	105	1225382	22.275	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	92044	15.251	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	1056126	24.110	ug/L	97
63) 1,2,4-Trimethylbenzene	10.850	105	1060759	24.183	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	608896	20.897	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	590728	19.923	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	515809	20.080	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	23746	16.006	ug/L	93
69) 1,3,5-Trichlorobenzene	12.583	180	502434	22.742	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	400012	22.423	ug/L	98
71) Naphthalene	13.438	128	503575	21.287	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	326505	21.583	ug/L	96

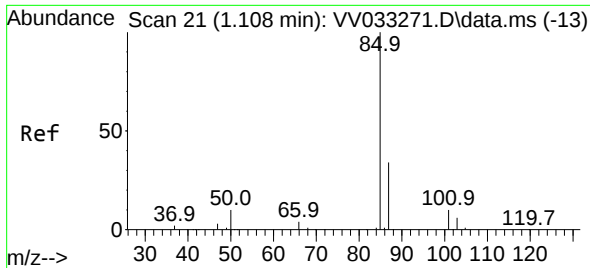
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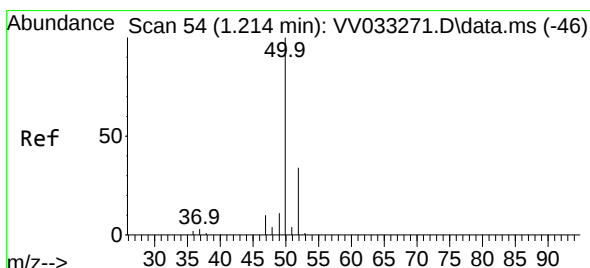
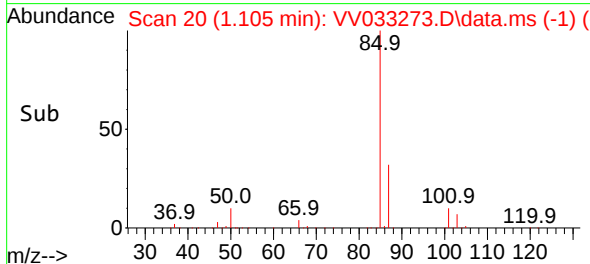
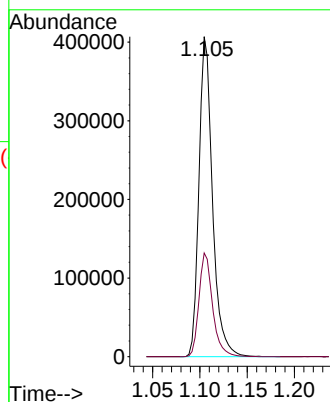
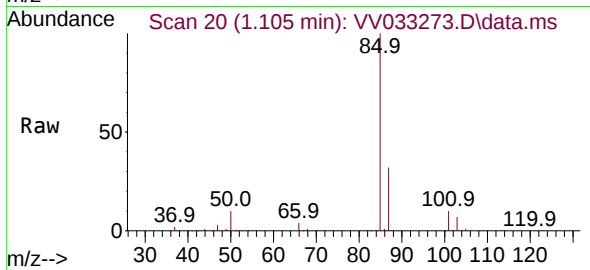




#2
 Dichlorodifluoromethane
 Concen: 22.705 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033273.D
 Acq: 13 Dec 2023 12:42

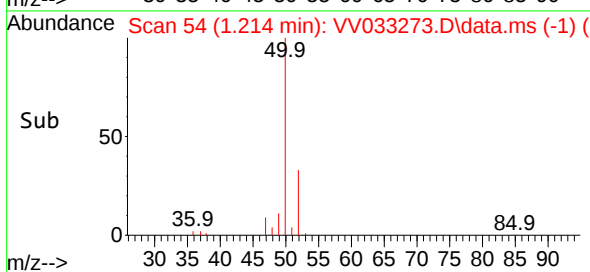
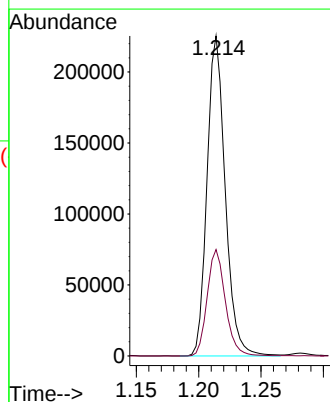
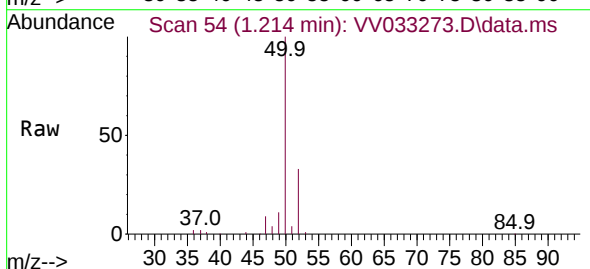
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020220

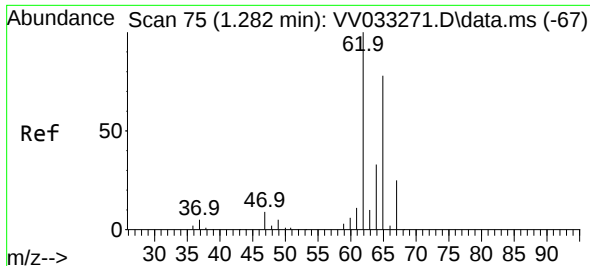
Tgt Ion: 85 Resp: 404671
 Ion Ratio Lower Upper
 85 100
 87 32.6 27.4 41.2



#3
 Chloromethane
 Concen: 14.553 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033273.D
 Acq: 13 Dec 2023 12:42

Tgt Ion: 50 Resp: 229110
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.8 44.2

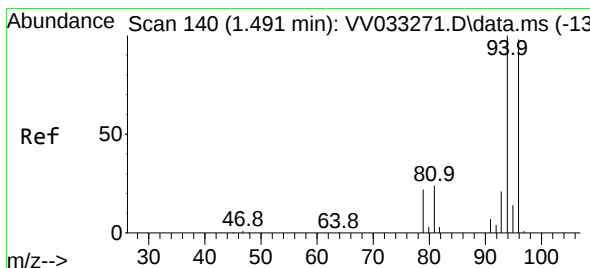
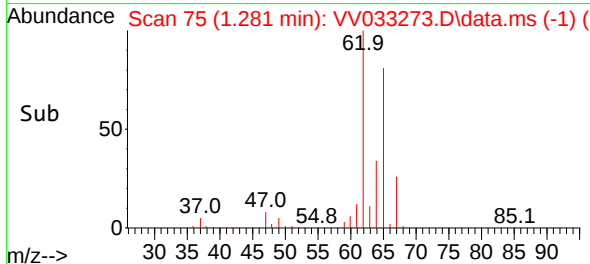
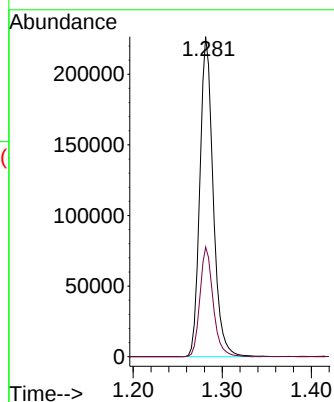
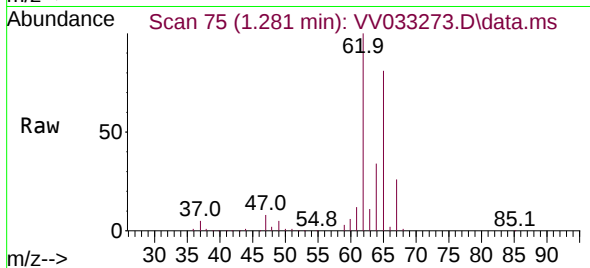




#5
 Vinyl chloride
 Concen: 15.520 ug/L
 RT: 1.281 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV033273.D
 Acq: 13 Dec 2023 12:42

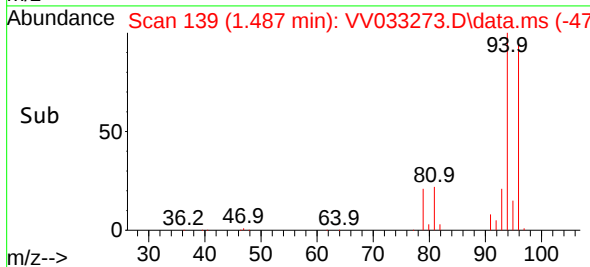
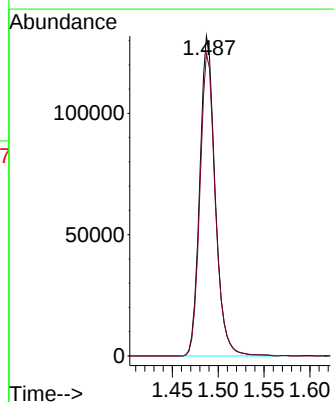
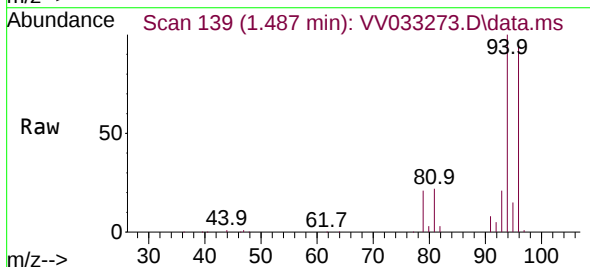
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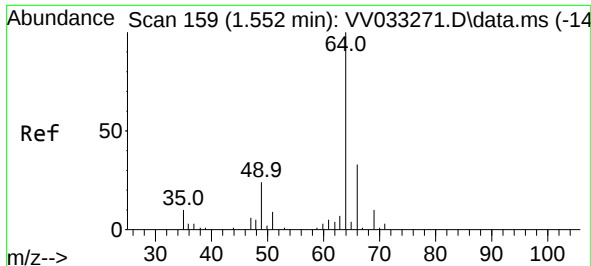
Tgt Ion: 62 Resp: 236059
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.0 42.8



#6
 Bromomethane
 Concen: 14.286 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV033273.D
 Acq: 13 Dec 2023 12:42

Tgt Ion: 94 Resp: 154183
 Ion Ratio Lower Upper
 94 100
 96 94.5 68.3 126.8

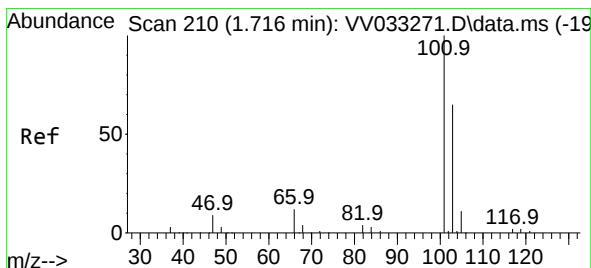
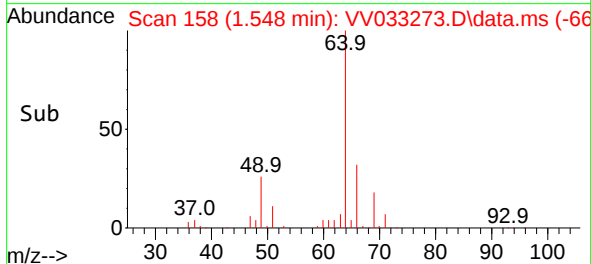
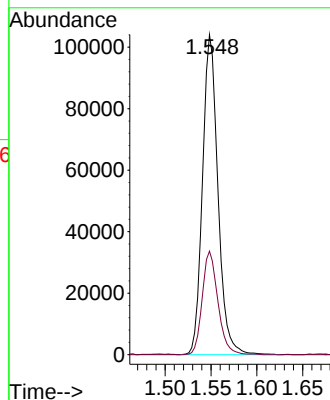
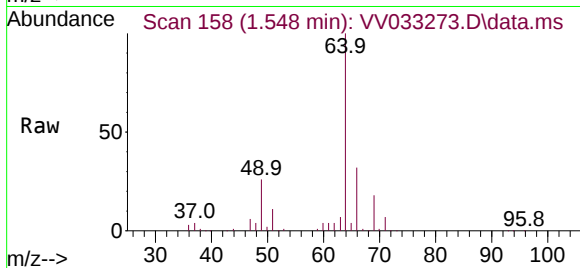




#8
Chloroethane
Concen: 11.045 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

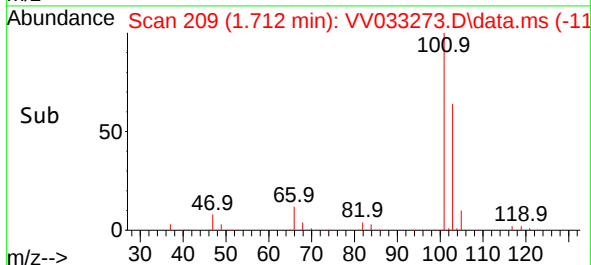
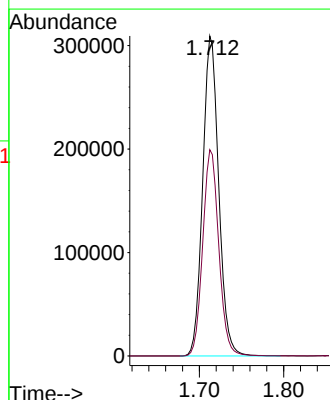
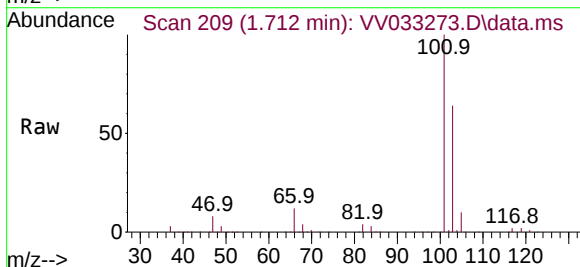
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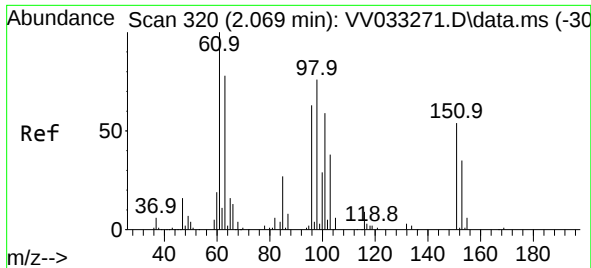
Tgt Ion: 64 Resp: 121884
Ion Ratio Lower Upper
64 100
66 32.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 16.745 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion:101 Resp: 409924
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8

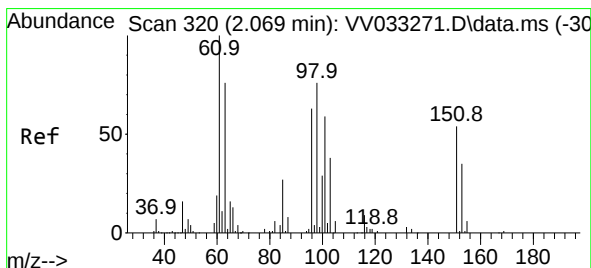
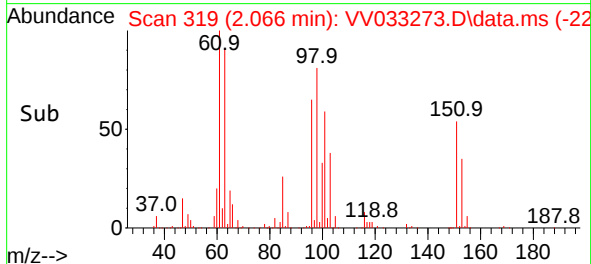
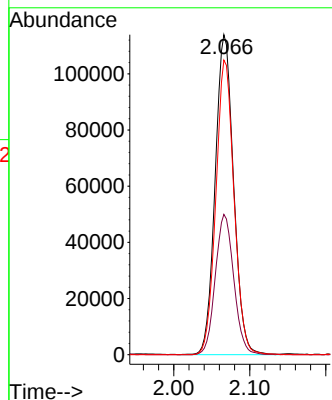
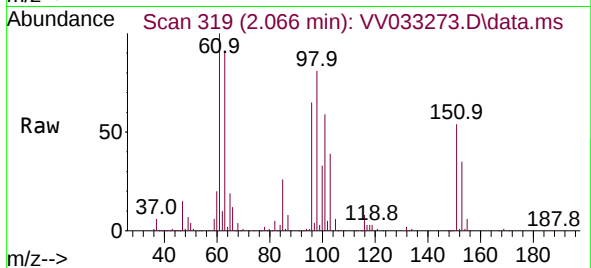




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 14.337 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV033273.D
 Acq: 13 Dec 2023 12:42

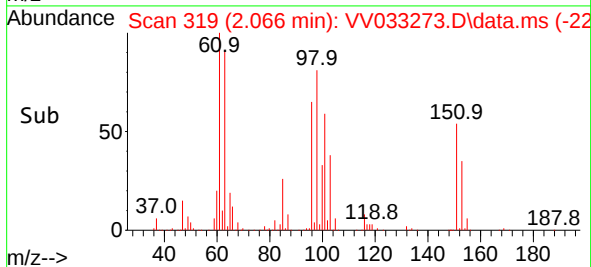
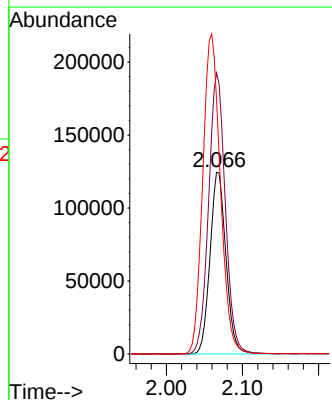
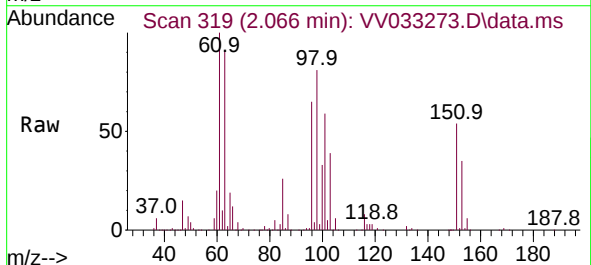
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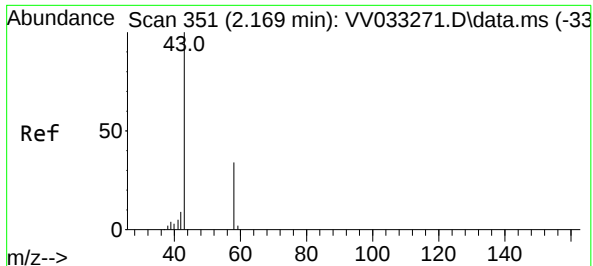
Tgt Ion:101 Resp: 191729
 Ion Ratio Lower Upper
 101 100
 85 44.0 36.2 54.2
 151 90.7 72.8 109.2



#12
 1,1-Dichloroethene
 Concen: 14.600 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV033273.D
 Acq: 13 Dec 2023 12:42

Tgt Ion: 96 Resp: 181533
 Ion Ratio Lower Upper
 96 100
 61 154.6 111.6 207.2
 63 140.1 87.1 161.7





#13

Acetone

Concen: 108.838 ug/L

RT: 2.159 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

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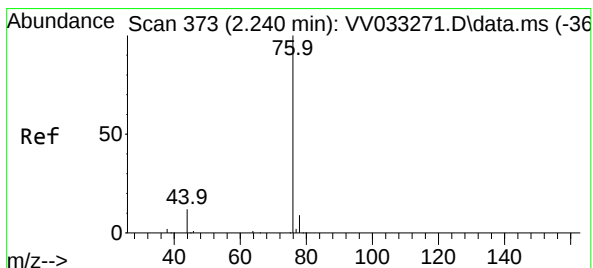
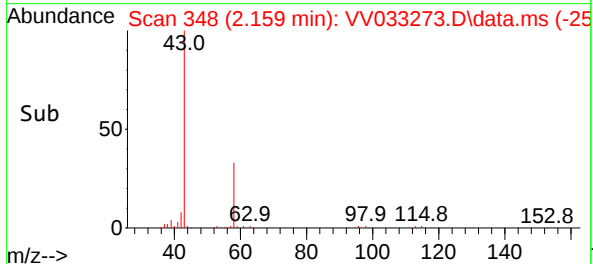
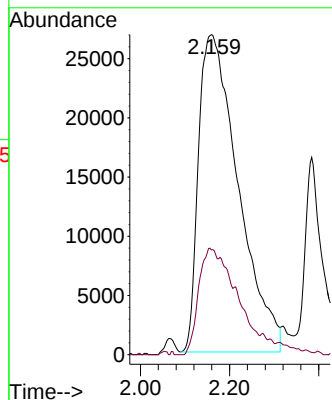
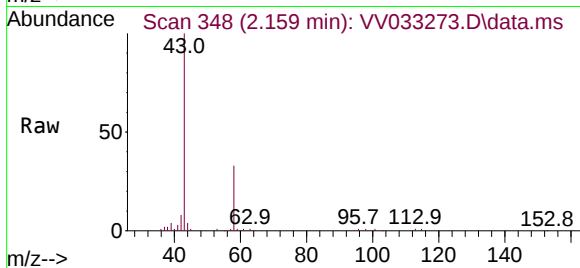
VSTD020220

Tgt Ion: 43 Resp: 166019

Ion Ratio Lower Upper

43 100

58 31.5 0.0 30.2#



#14

Carbon disulfide

Concen: 16.034 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV033273.D

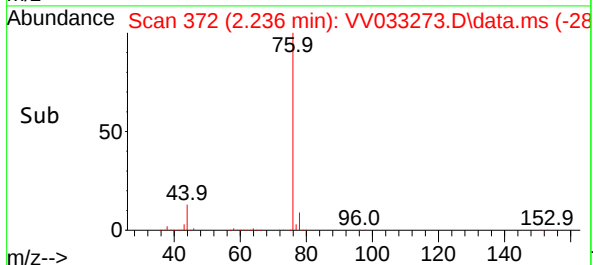
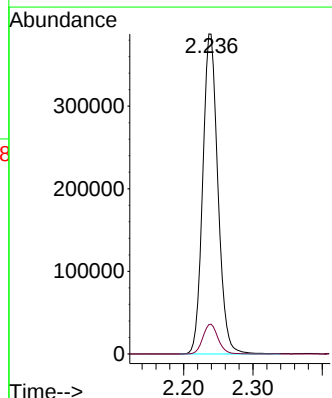
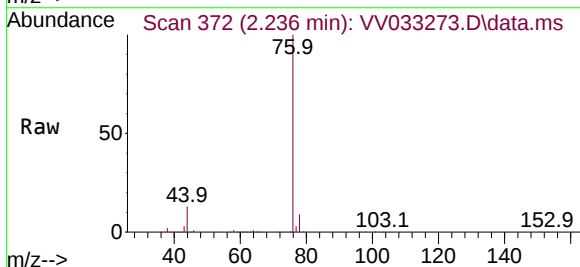
Acq: 13 Dec 2023 12:42

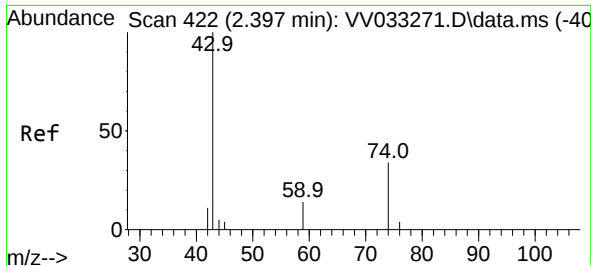
Tgt Ion: 76 Resp: 587642

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

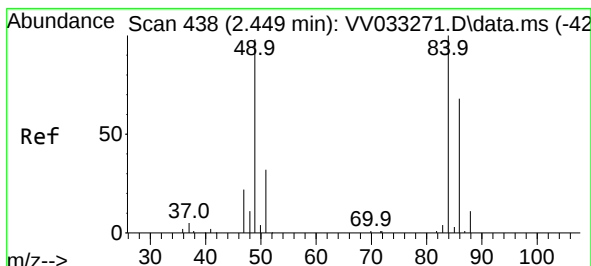
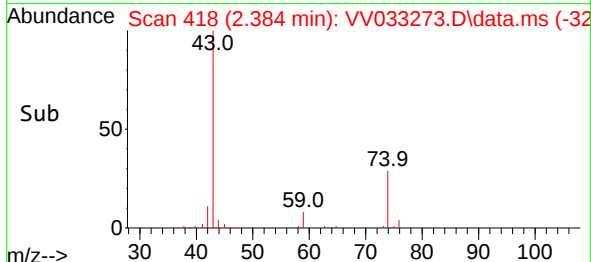
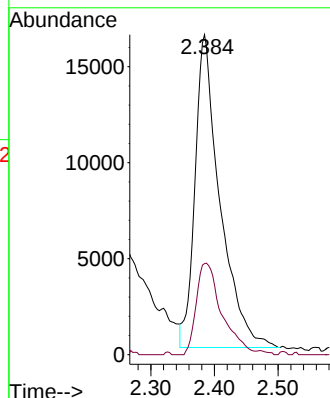
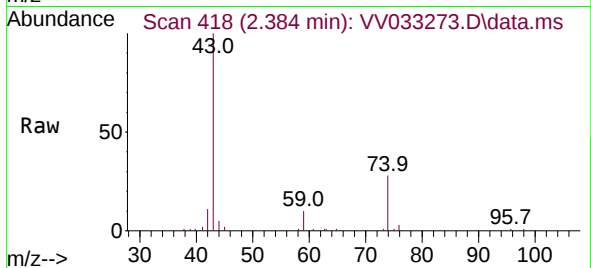




#15
Methyl Acetate
Concen: 13.110 ug/L
RT: 2.384 min Scan# 418
Delta R.T. -0.013 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

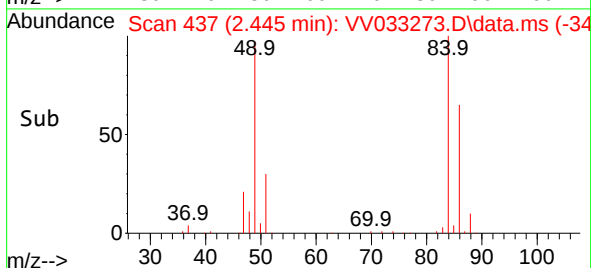
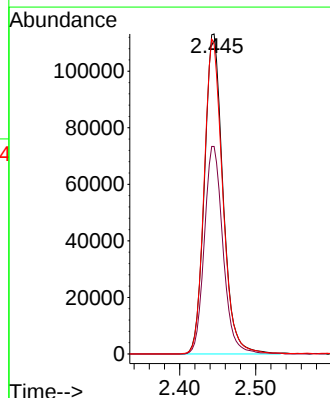
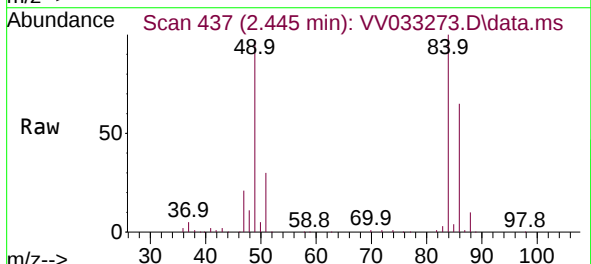
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

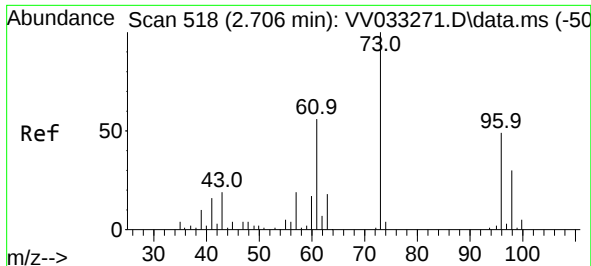
Tgt Ion: 43 Resp: 44317
Ion Ratio Lower Upper
43 100
74 30.0 21.0 31.6



#16
Methylene chloride
Concen: 12.797 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion: 84 Resp: 191608
Ion Ratio Lower Upper
84 100
86 64.9 47.5 88.1
49 96.9 68.9 127.9

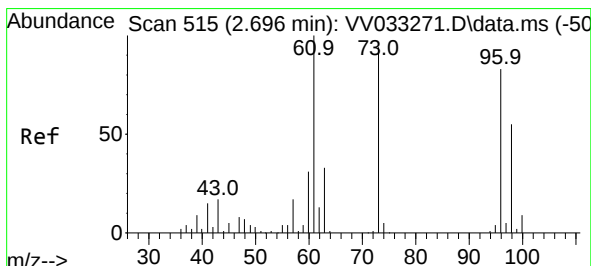
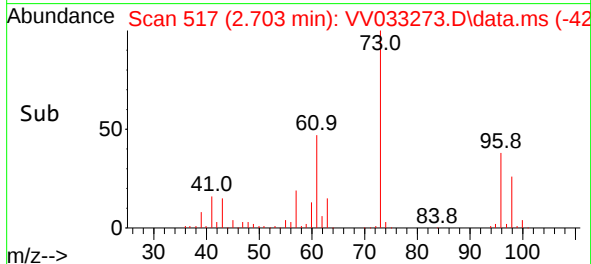
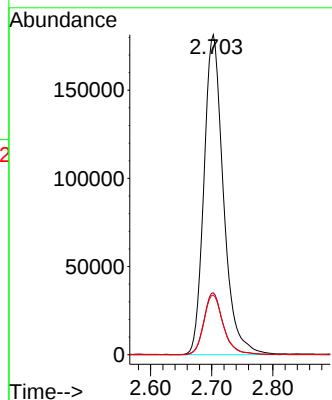
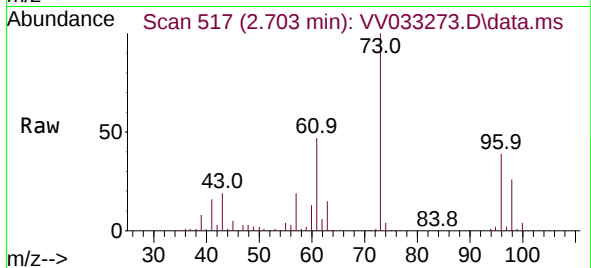




#17
Methyl tert-butyl Ether
Concen: 18.611 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

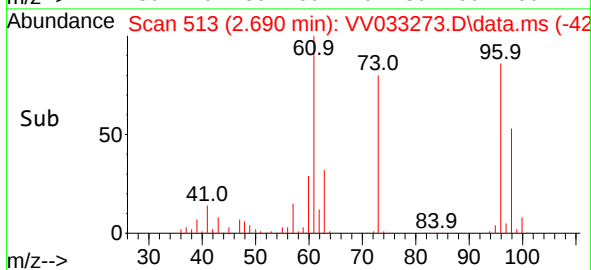
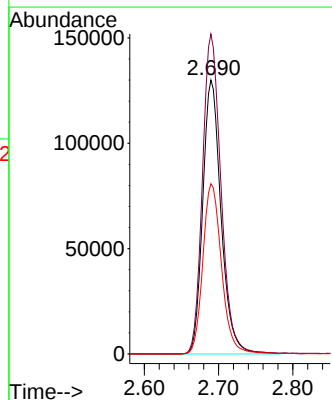
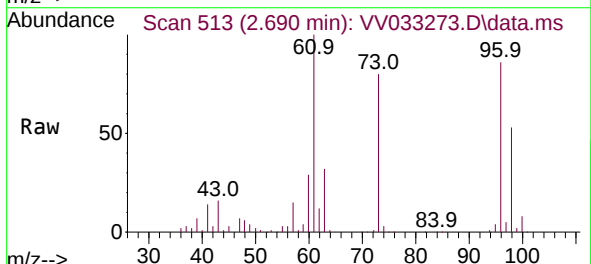
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

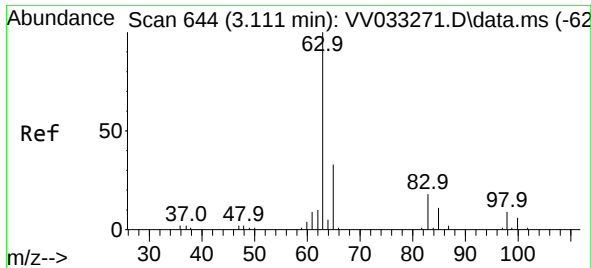
Tgt Ion: 73 Resp: 402531
Ion Ratio Lower Upper
73 100
43 19.3 16.0 24.0
57 18.6 15.6 23.4



#18
trans-1,2-Dichloroethene
Concen: 18.136 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.007 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion: 96 Resp: 222406
Ion Ratio Lower Upper
96 100
61 116.8 84.6 157.2
98 62.1 46.7 86.7





#19

1,1-Dichloroethane

Concen: 16.114 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD020220

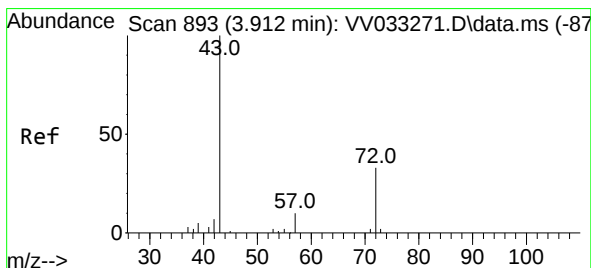
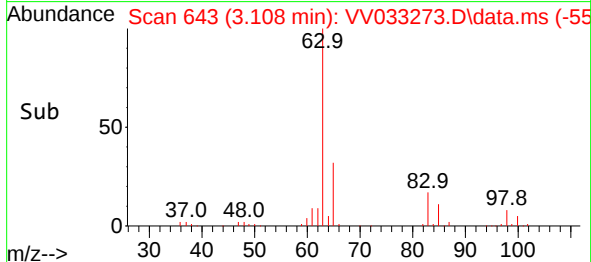
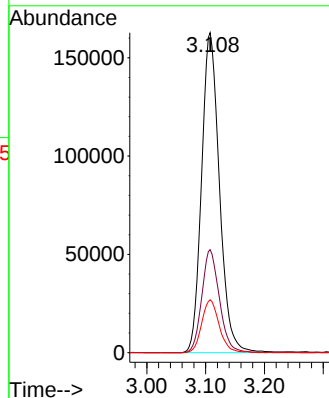
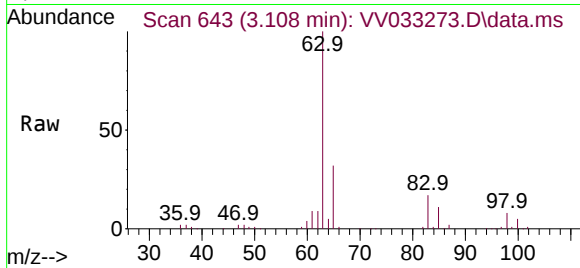
Tgt Ion: 63 Resp: 343333

Ion Ratio Lower Upper

63 100

65 32.2 22.9 42.5

83 16.5 12.6 23.4



#21

2-Butanone

Concen: 140.418 ug/L

RT: 3.886 min Scan# 885

Delta R.T. -0.026 min

Lab File: VV033273.D

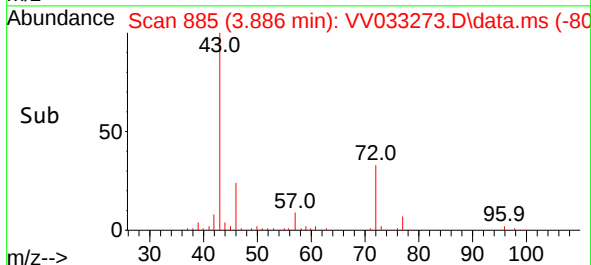
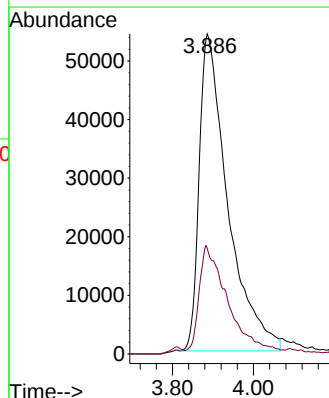
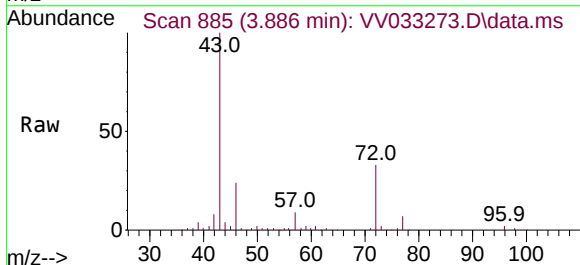
Acq: 13 Dec 2023 12:42

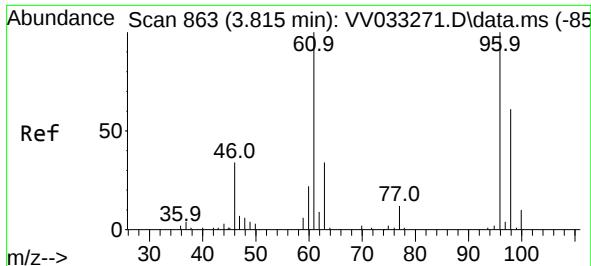
Tgt Ion: 43 Resp: 265566

Ion Ratio Lower Upper

43 100

72 32.6 14.8 44.3





#22

cis-1,2-Dichloroethene

Concen: 18.708 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.007 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD020220

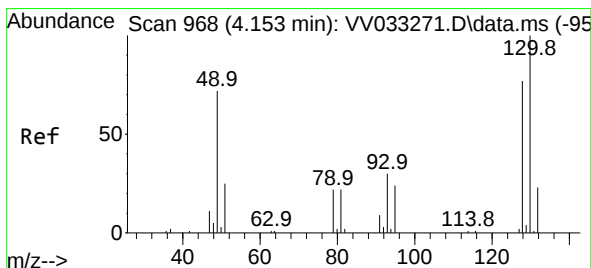
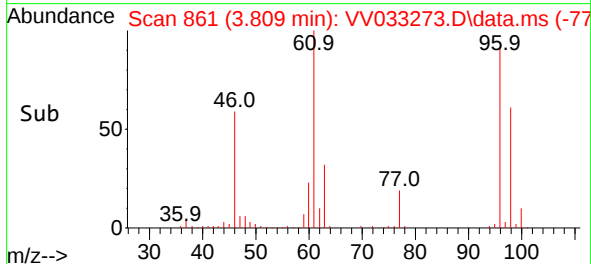
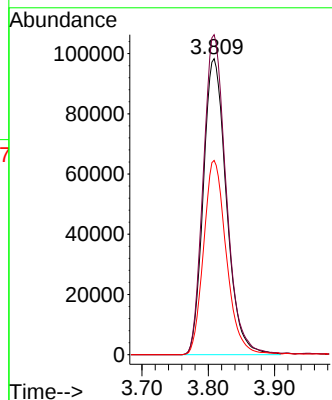
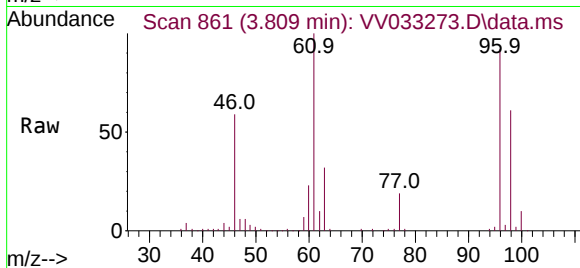
Tgt Ion: 96 Resp: 237973

Ion Ratio Lower Upper

96 100

61 108.1 69.9 129.9

98 65.6 42.4 78.8



#23

Bromochloromethane

Concen: 17.340 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.010 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Tgt Ion: 128 Resp: 99759

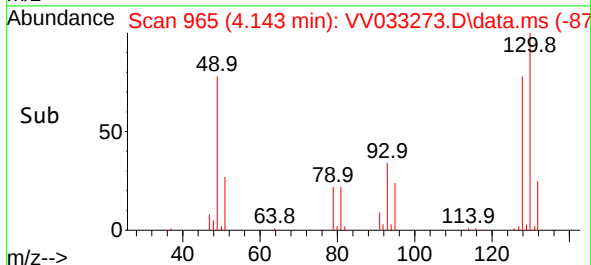
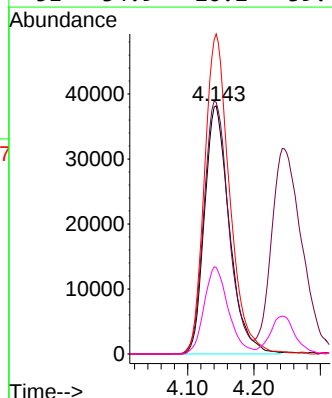
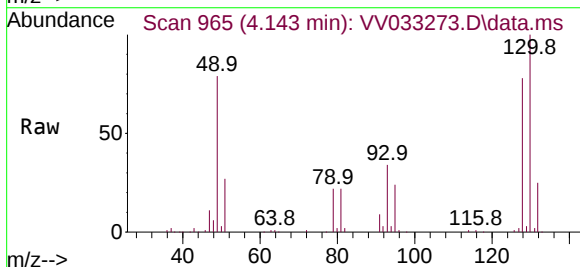
Ion Ratio Lower Upper

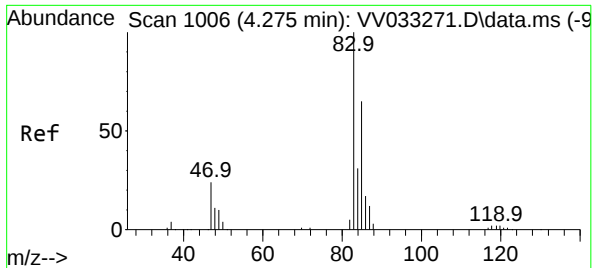
128 100

49 101.4 65.8 122.2

130 129.0 91.1 169.3

51 34.9 26.2 39.4

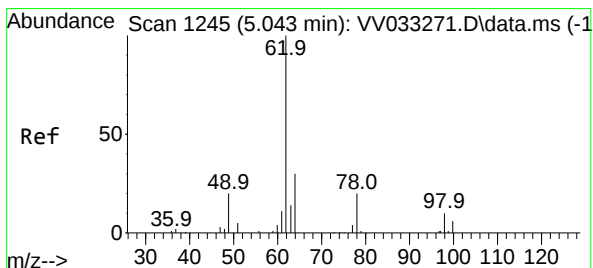
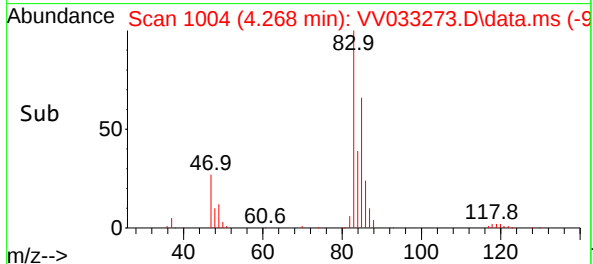
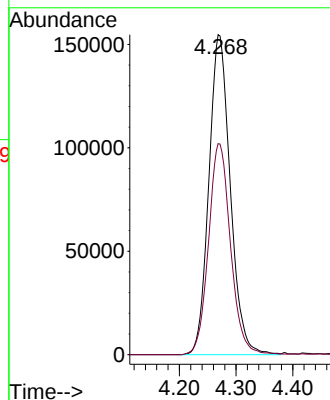
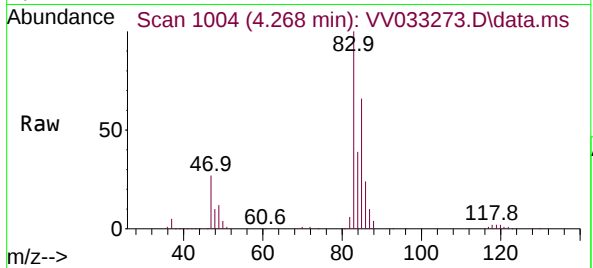




#25
Chloroform
Concen: 17.004 ug/L
RT: 4.268 min Scan# 1004
Delta R.T. -0.007 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

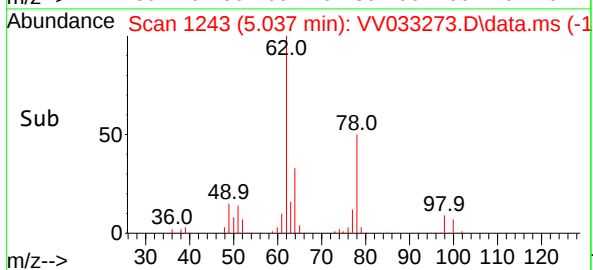
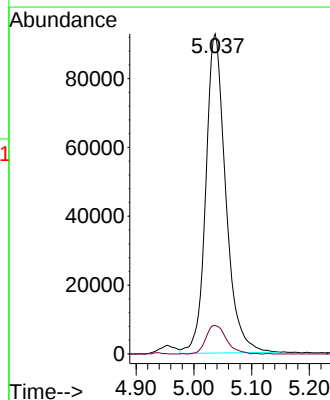
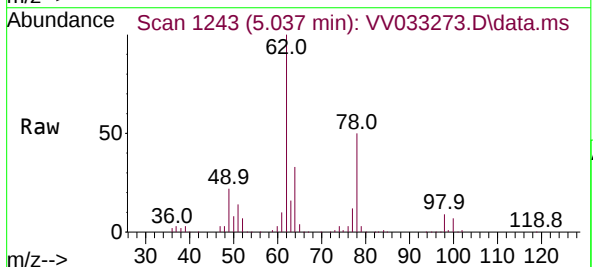
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

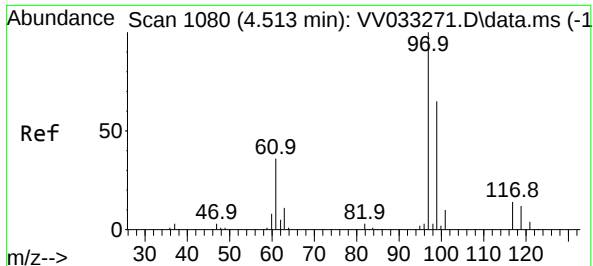
Tgt Ion: 83 Resp: 405854
Ion Ratio Lower Upper
83 100
85 65.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 17.368 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.007 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion: 62 Resp: 222224
Ion Ratio Lower Upper
62 100
98 8.9 8.2 12.4

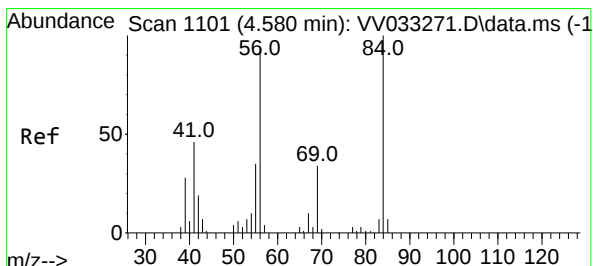
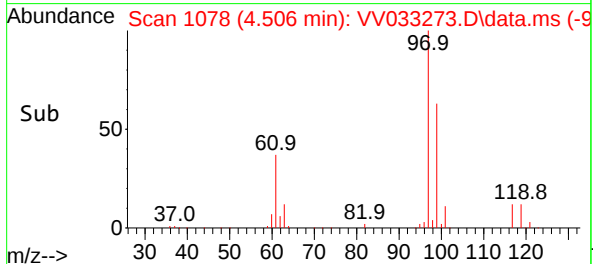
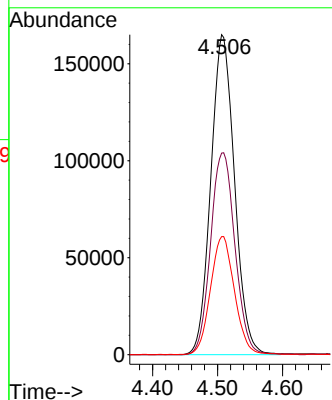
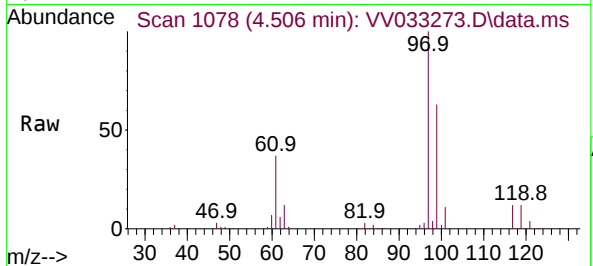




#29
1,1,1-Trichloroethane
Concen: 19.850 ug/L
RT: 4.506 min Scan# 1100
Delta R.T. -0.007 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

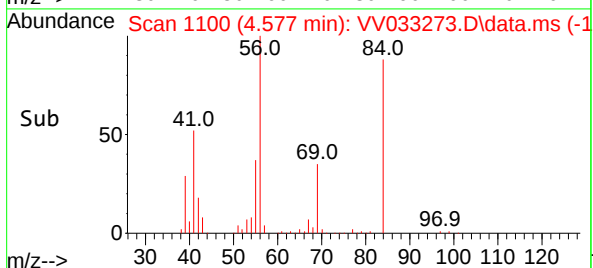
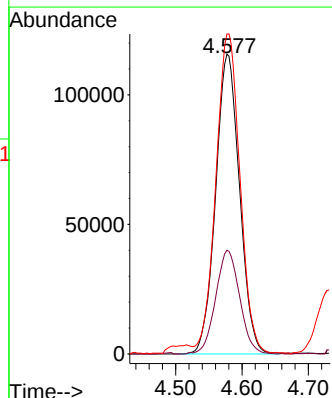
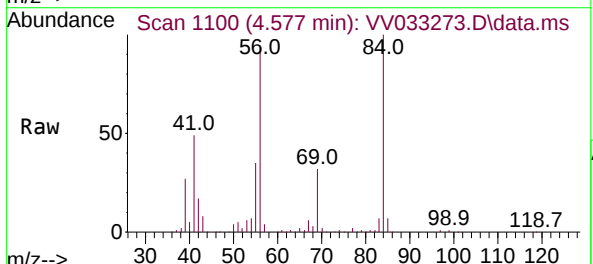
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

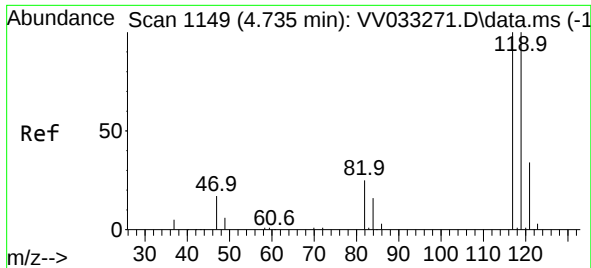
Tgt Ion: 97 Resp: 418269
Ion Ratio Lower Upper
97 100
99 64.9 52.8 79.2
61 37.3 30.3 45.5



#30
Cyclohexane
Concen: 19.985 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion: 56 Resp: 289629
Ion Ratio Lower Upper
56 100
69 34.7 28.8 43.2
84 106.7 86.2 129.4

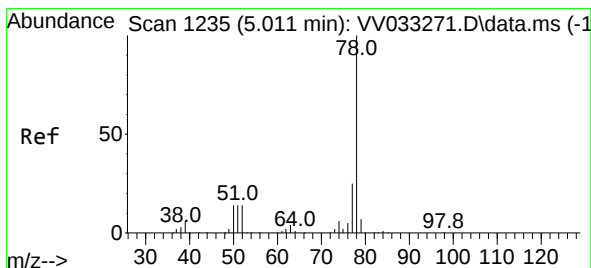
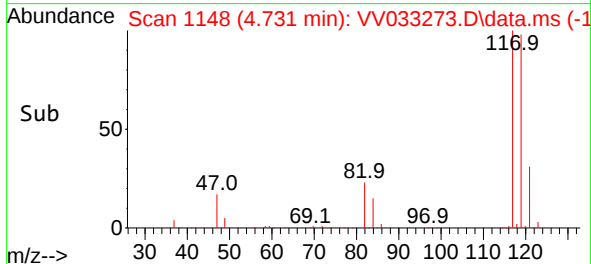
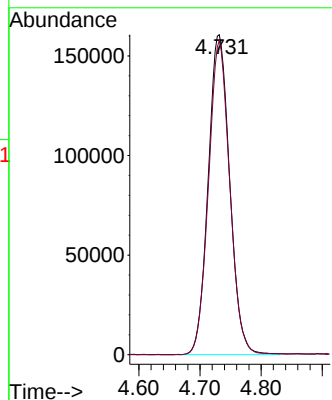
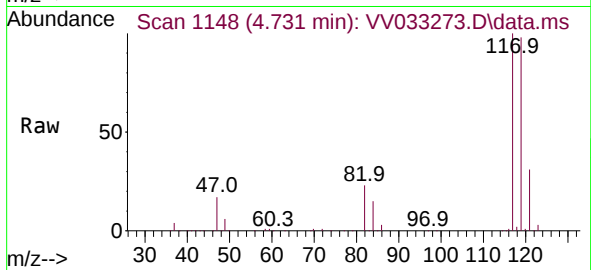




#31
Carbon tetrachloride
Concen: 21.219 ug/L
RT: 4.731 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

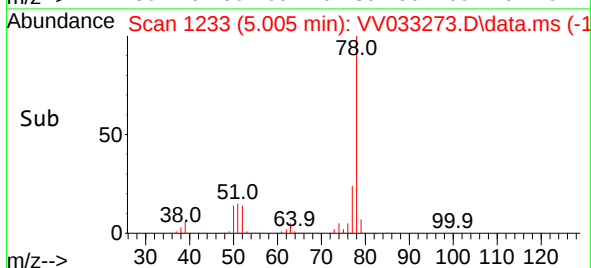
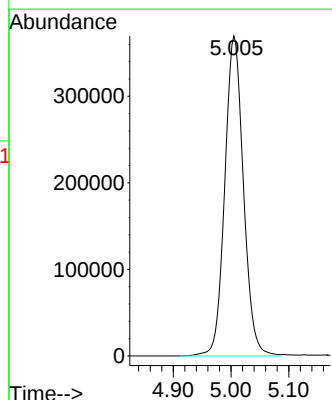
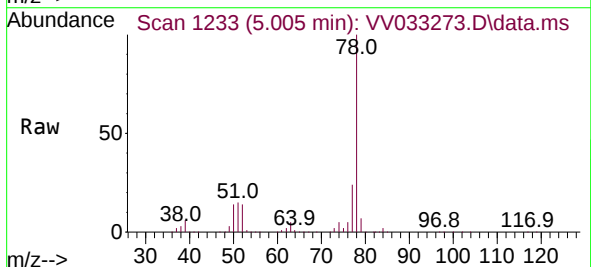
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

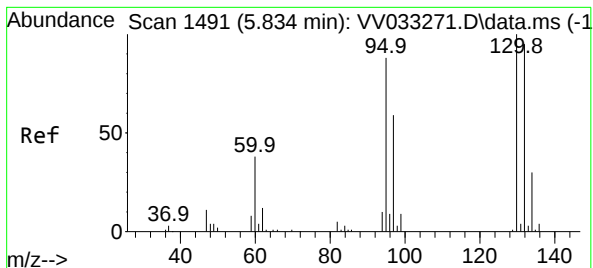
Tgt Ion:117 Resp: 392896
Ion Ratio Lower Upper
117 100
119 96.8 77.8 116.8



#33
Benzene
Concen: 18.954 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.007 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion: 78 Resp: 830225





#34

Trichloroethene

Concen: 19.547 ug/L

RT: 5.828 min Scan# 14

Delta R.T. -0.007 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD020220

Tgt Ion: 95 Resp: 240527

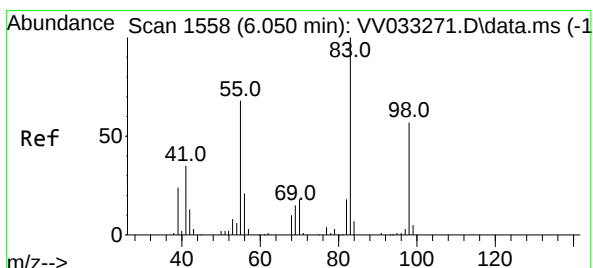
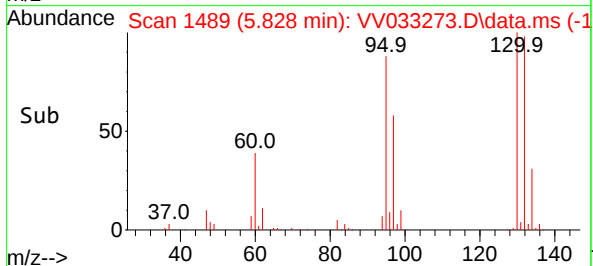
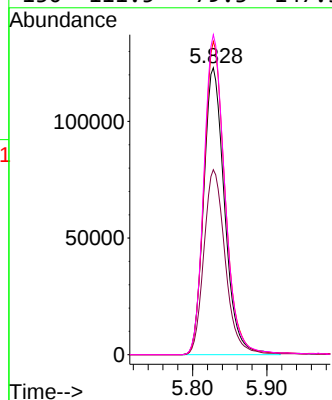
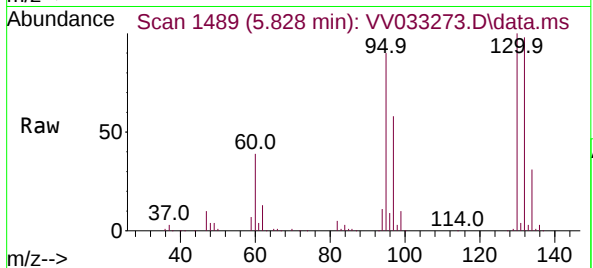
Ion Ratio Lower Upper

95 100

97 64.5 46.5 86.5

132 109.2 75.1 139.5

130 111.5 79.3 147.3



#35

Methylcyclohexane

Concen: 22.108 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

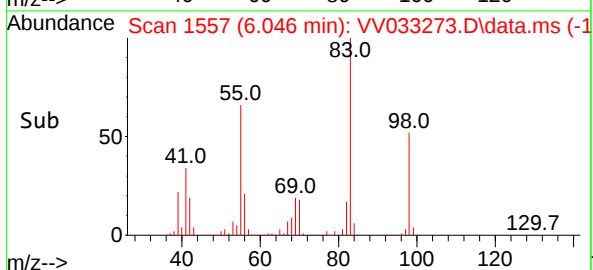
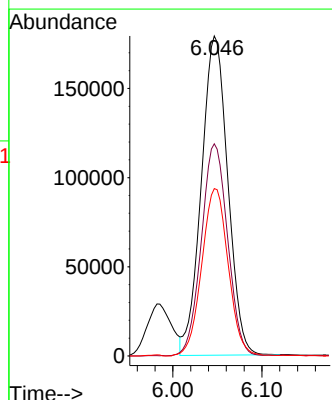
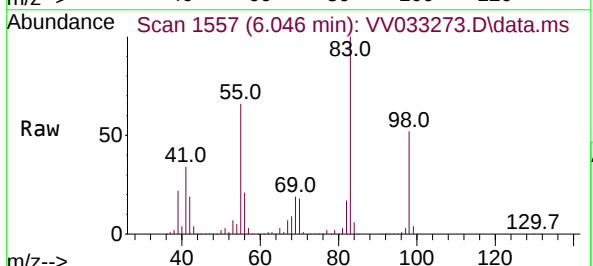
Tgt Ion: 83 Resp: 369265

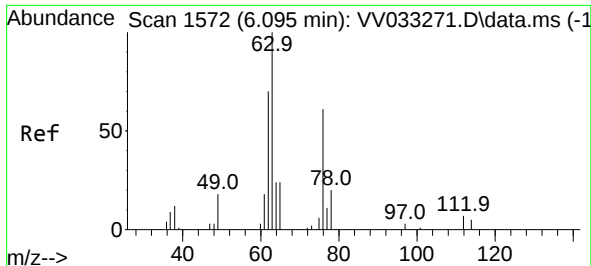
Ion Ratio Lower Upper

83 100

55 65.9 50.7 76.1

98 52.5 42.4 63.6





#37

1,2-Dichloropropane

Concen: 15.949 ug/L

RT: 6.088 min Scan# 1

Delta R.T. -0.007 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

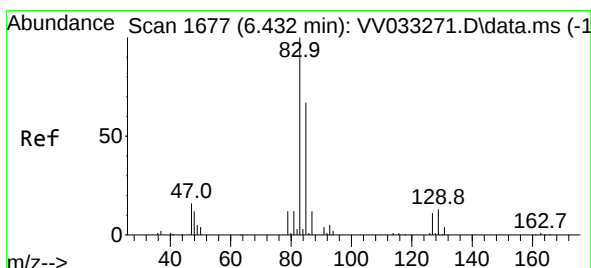
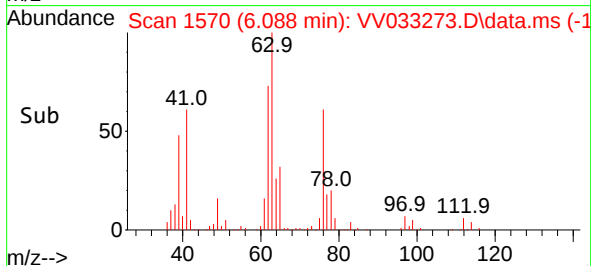
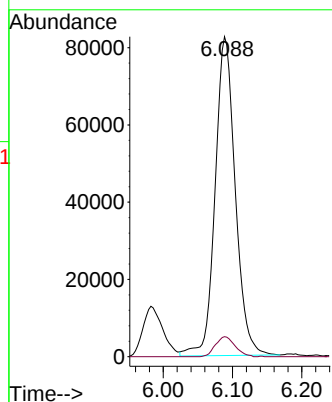
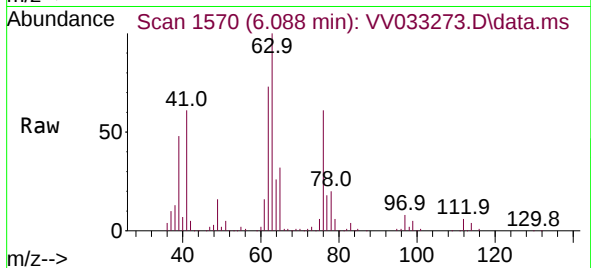
VSTD020220

Tgt Ion: 63 Resp: 166673

Ion Ratio Lower Upper

63 100

112 6.2 5.0 7.6



#38

Bromodichloromethane

Concen: 17.991 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

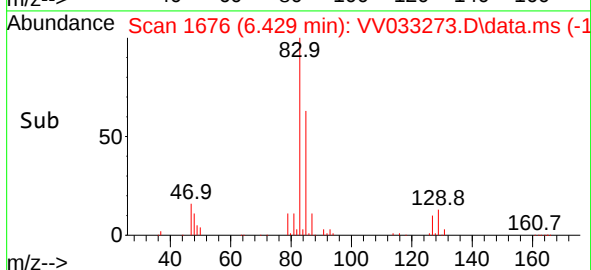
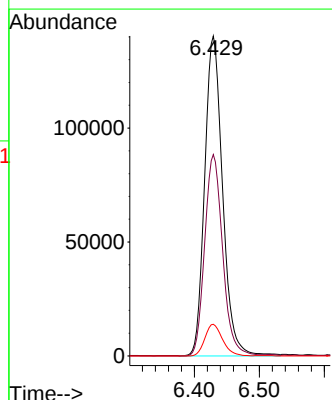
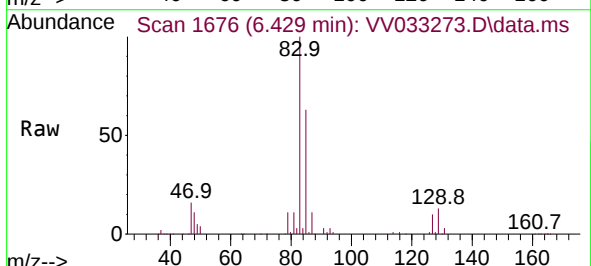
Tgt Ion: 83 Resp: 270542

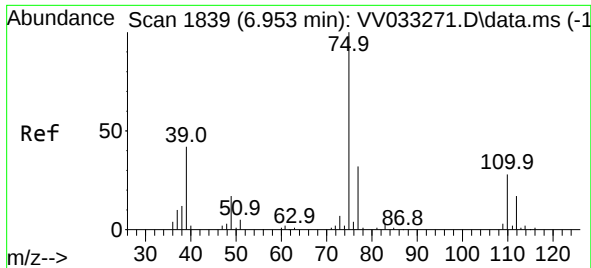
Ion Ratio Lower Upper

83 100

85 63.0 46.6 86.6

127 9.9 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 19.911 ug/L

RT: 6.950 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

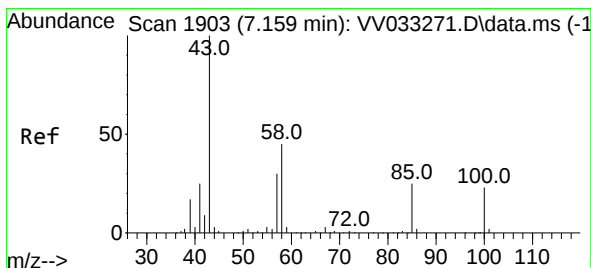
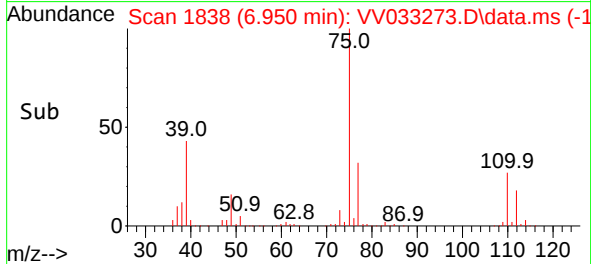
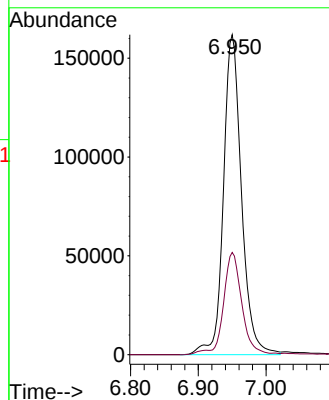
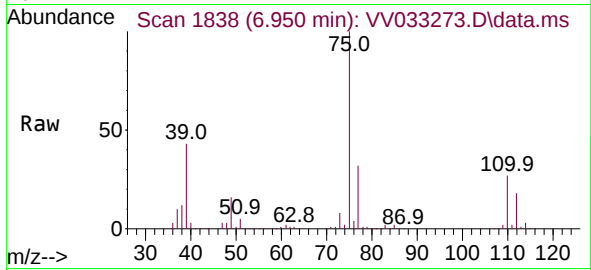
VSTD020220

Tgt Ion: 75 Resp: 299743

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 161.937 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

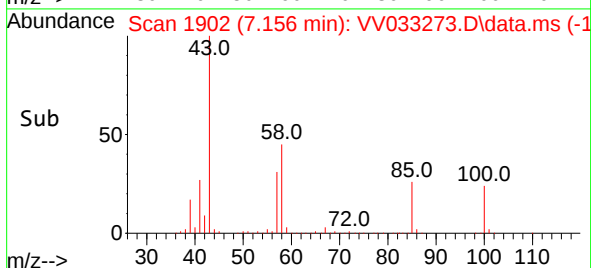
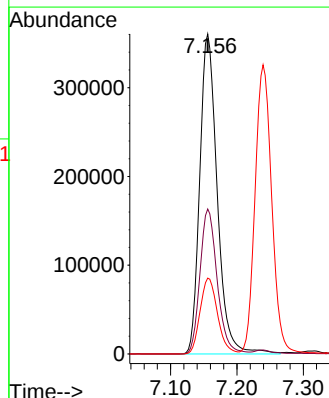
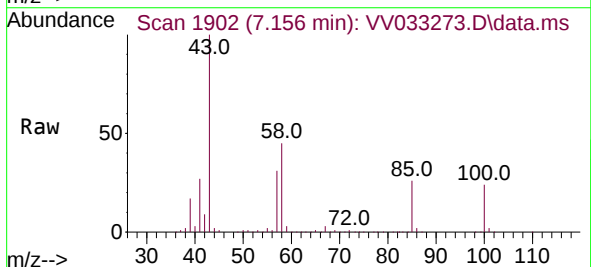
Tgt Ion: 43 Resp: 660108

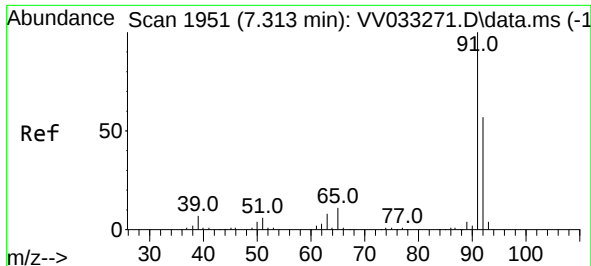
Ion Ratio Lower Upper

43 100

58 44.6 36.2 54.2

100 23.6 18.8 28.2





#42

Toluene

Concen: 19.945 ug/L

RT: 7.310 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

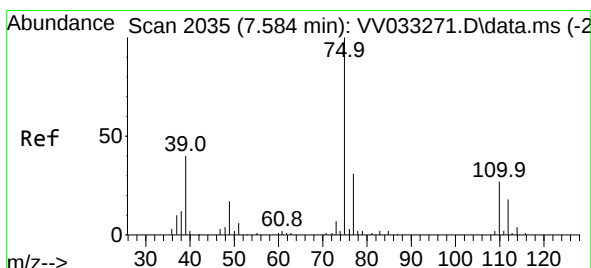
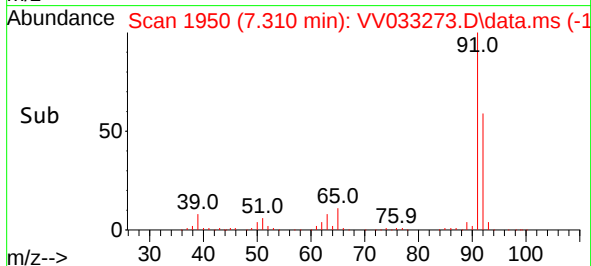
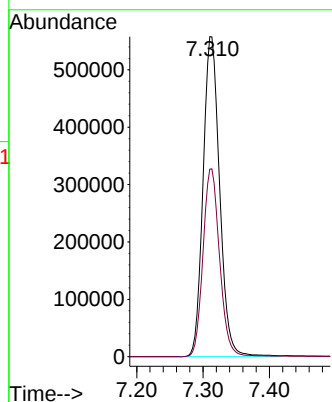
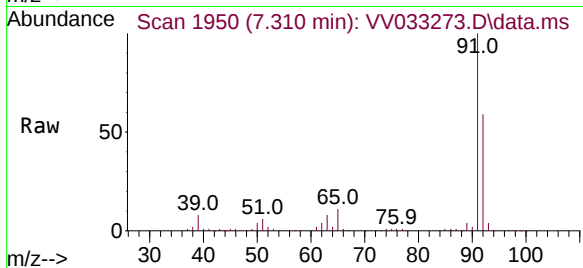
VSTD020220

Tgt Ion: 91 Resp: 969116

Ion Ratio Lower Upper

91 100

92 58.6 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 20.277 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.007 min

Lab File: VV033273.D

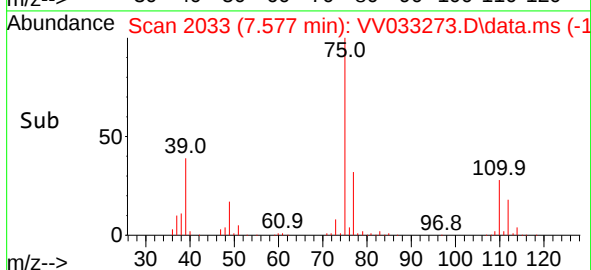
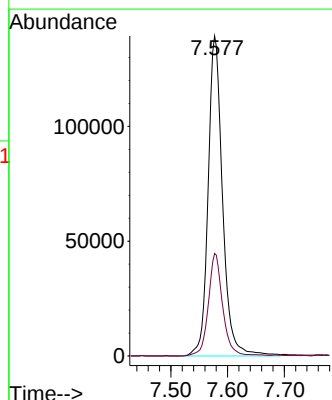
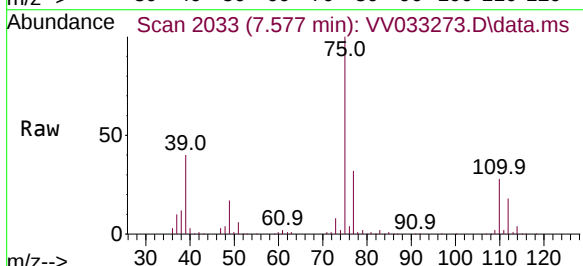
Acq: 13 Dec 2023 12:42

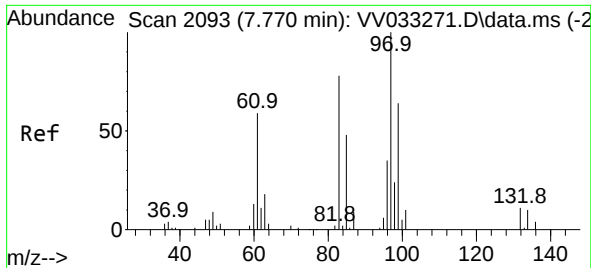
Tgt Ion: 75 Resp: 247052

Ion Ratio Lower Upper

75 100

77 32.1 21.7 40.3



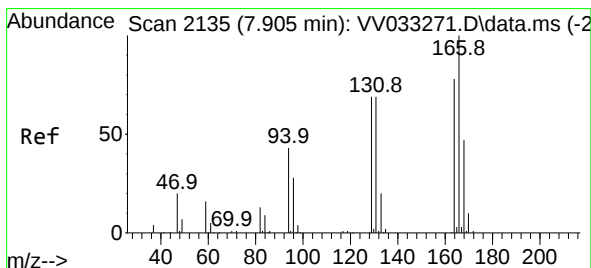
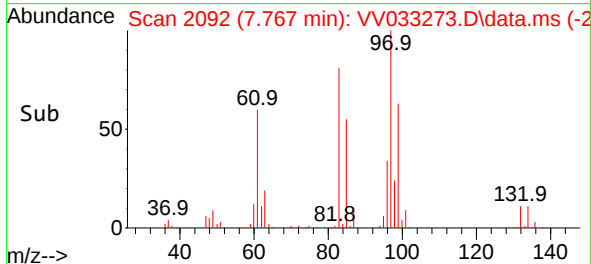
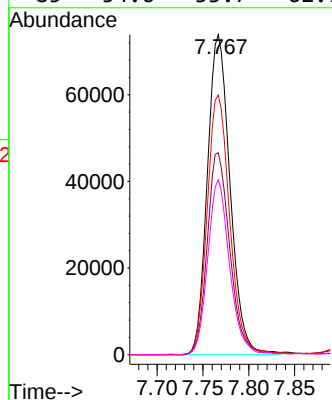
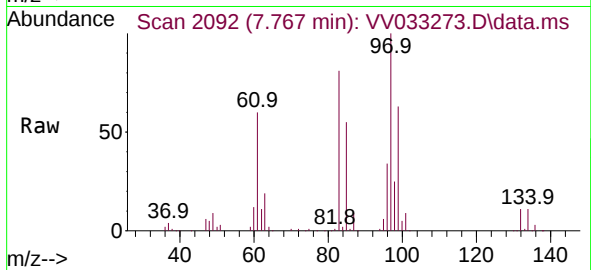


#45
1,1,2-Trichloroethane
Concen: 16.578 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

Tgt Ion: 97 Resp: 127385

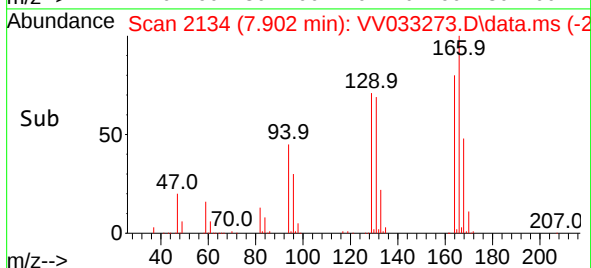
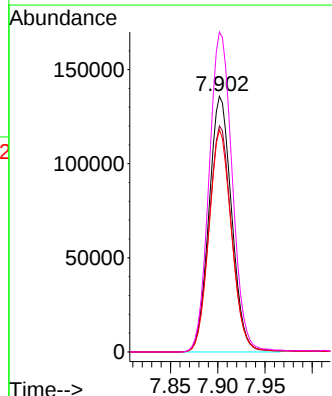
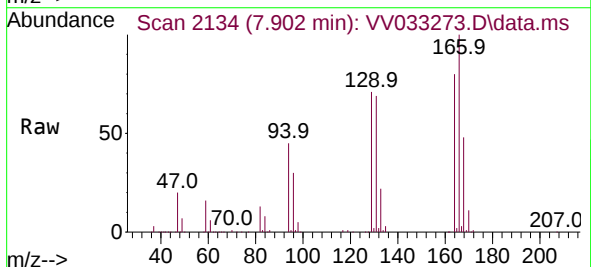
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.5	82.7
83	81.2	54.7	101.5
85	54.6	33.7	62.7

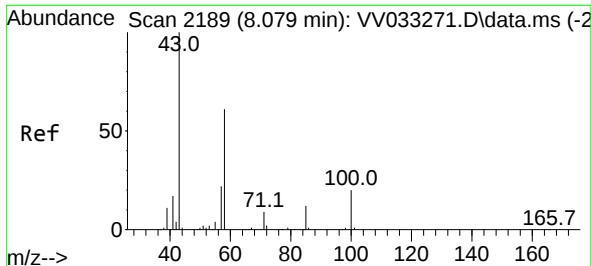


#47
Tetrachloroethene
Concen: 21.344 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion: 164 Resp: 227041

Ion	Ratio	Lower	Upper
164	100		
129	88.5	62.6	116.3
131	86.9	62.6	116.3
166	125.2	90.2	167.6



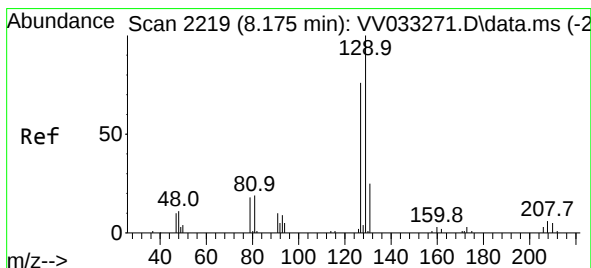
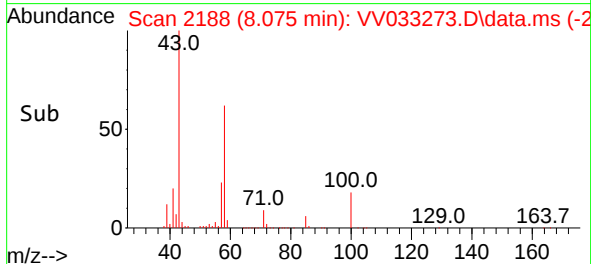
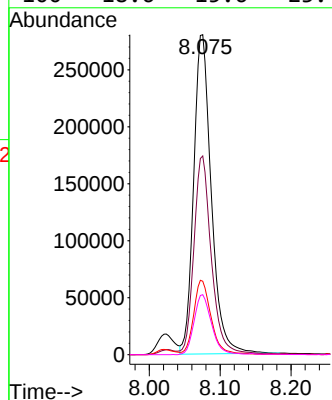
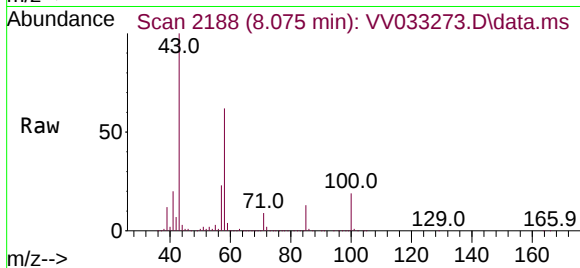


#48
2-Hexanone
Concen: 159.029 ug/L
RT: 8.075 min Scan# 2189
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

Tgt Ion: 43 Resp: 484304

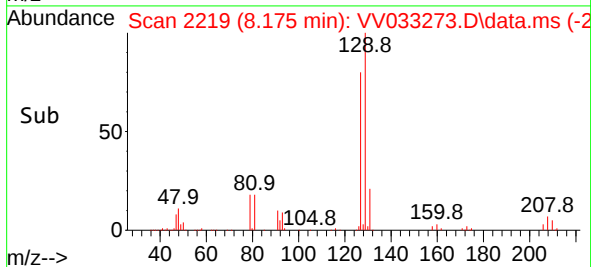
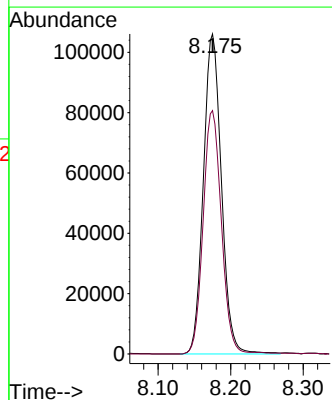
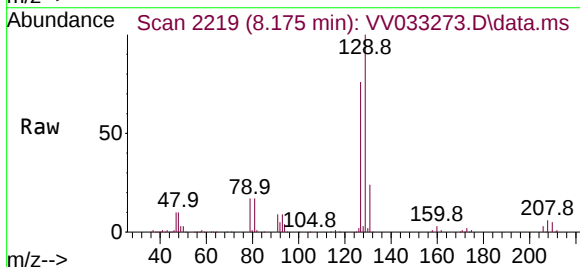
Ion	Ratio	Lower	Upper
43	100		
58	61.1	48.6	72.8
57	22.9	18.1	27.1
100	18.6	15.6	23.4

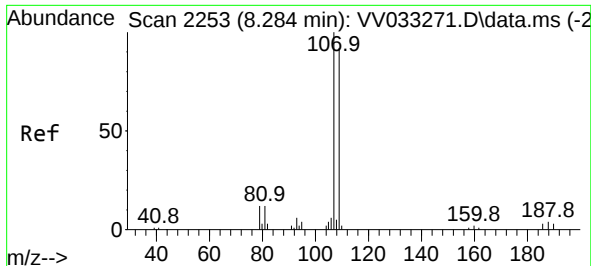


#49
Dibromochloromethane
Concen: 19.176 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion: 129 Resp: 183116

Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.2	98.8





#50

1,2-Dibromoethane

Concen: 17.248 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD020220

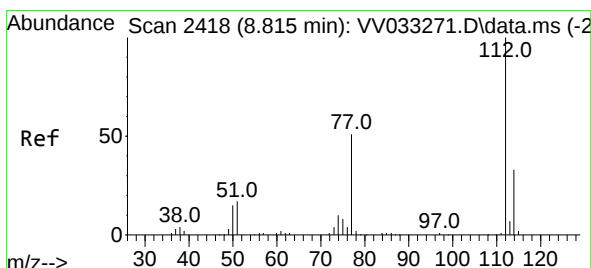
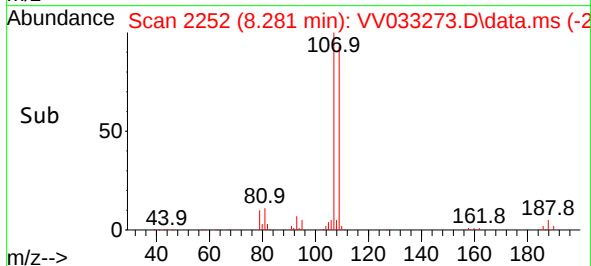
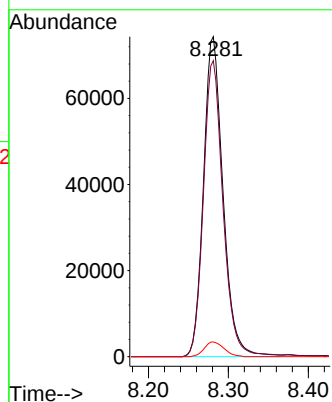
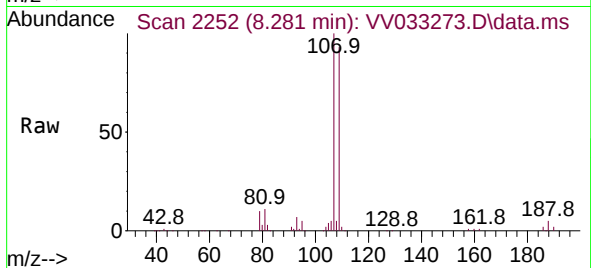
Tgt Ion:107 Resp: 126458

Ion Ratio Lower Upper

107 100

109 92.5 64.2 119.2

188 4.6 3.4 5.2



#51

Chlorobenzene

Concen: 19.852 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

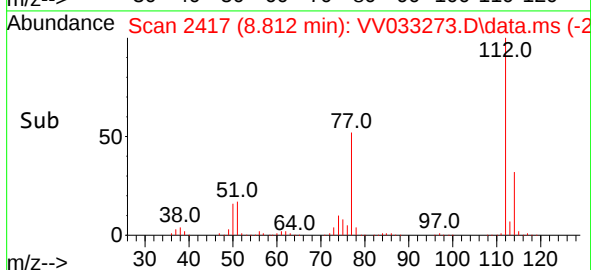
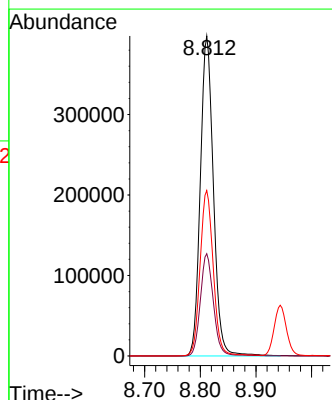
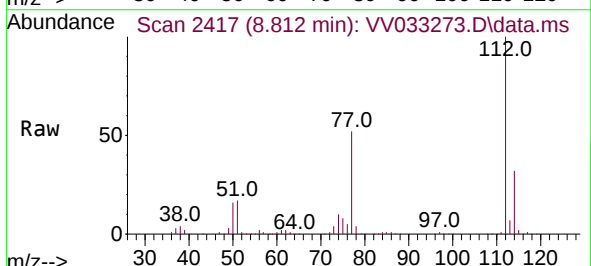
Tgt Ion:112 Resp: 650412

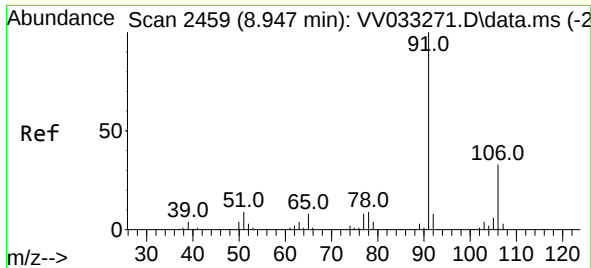
Ion Ratio Lower Upper

112 100

114 31.9 22.8 42.4

77 51.7 41.3 61.9

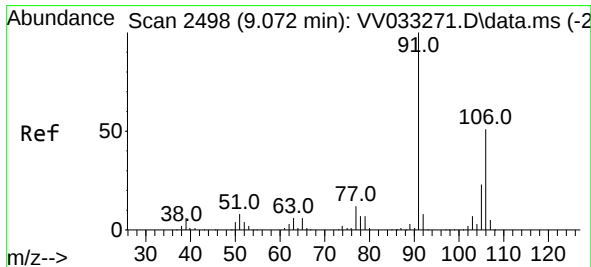
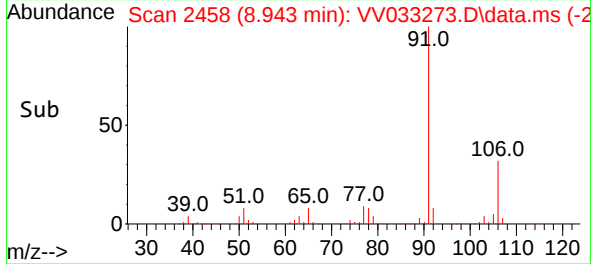
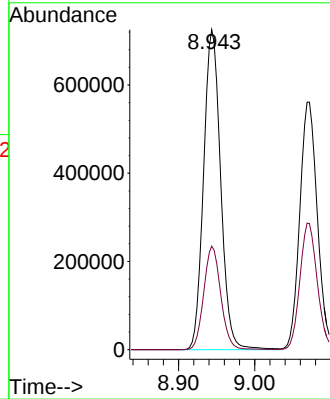
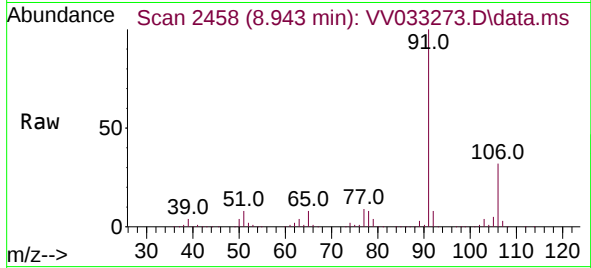




#52
Ethylbenzene
Concen: 22.026 ug/L
RT: 8.943 min Scan# 2459
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

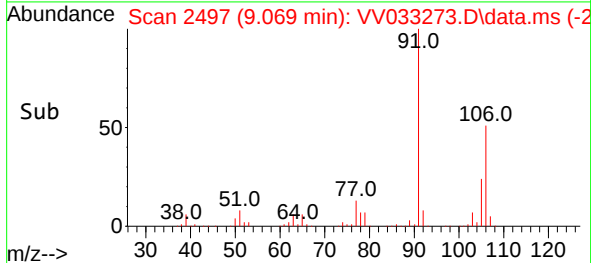
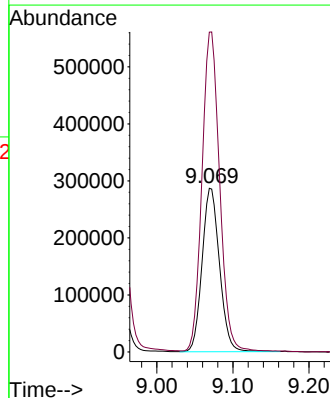
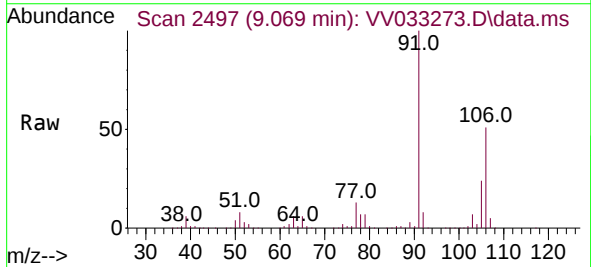
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

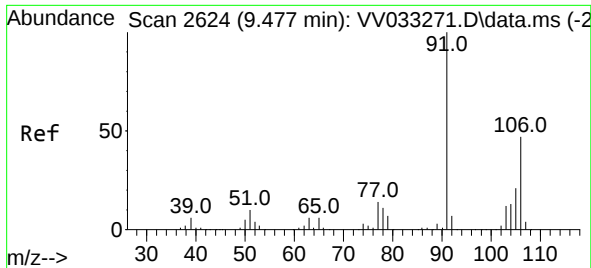
Tgt Ion: 91 Resp: 1130699
Ion Ratio Lower Upper
91 100
106 32.3 22.7 42.3



#53
m,p-Xylene
Concen: 22.535 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion:106 Resp: 456225
Ion Ratio Lower Upper
106 100
91 195.5 136.8 254.0

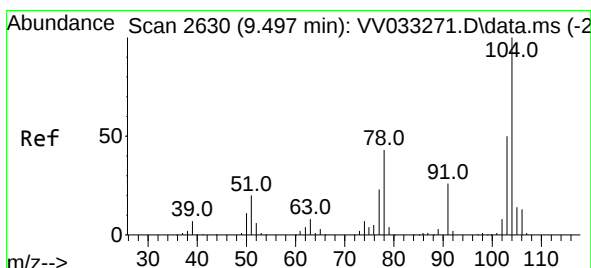
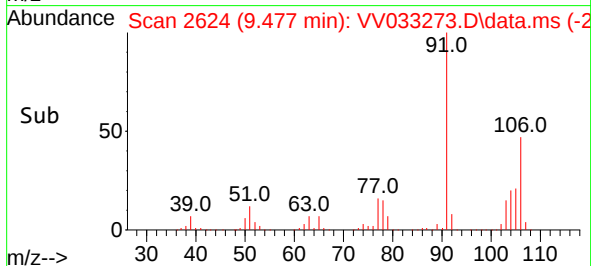
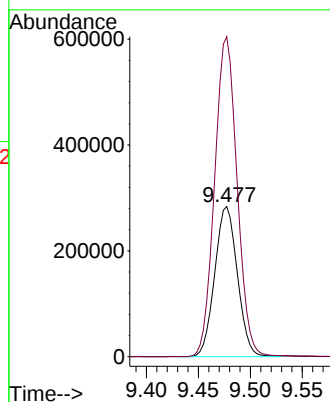
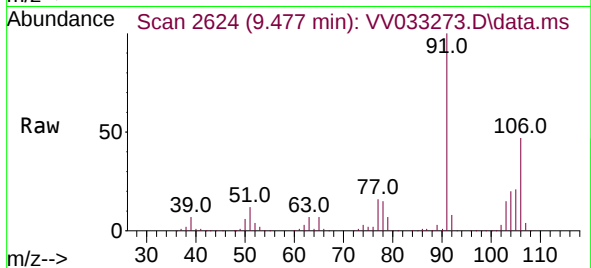




#54
o-Xylene
Concen: 22.545 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

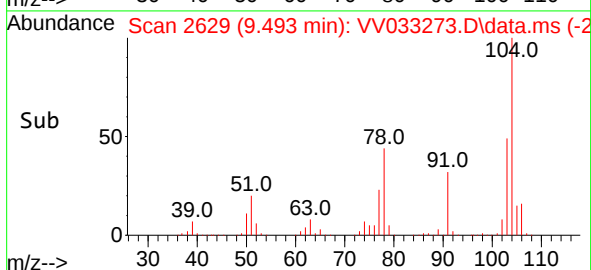
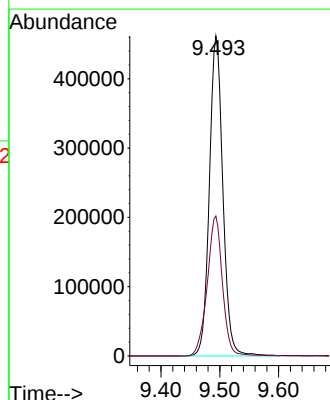
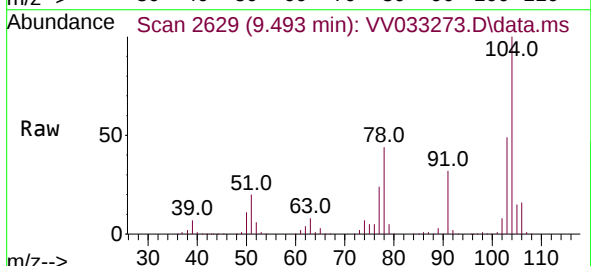
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

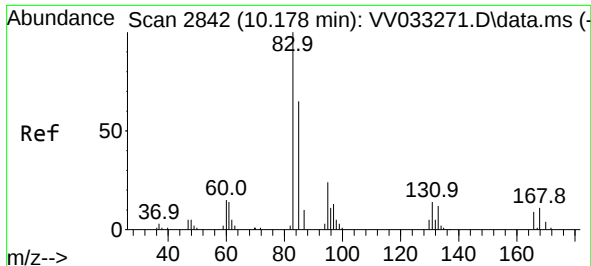
Tgt Ion:106 Resp: 430664
Ion Ratio Lower Upper
106 100
91 213.2 149.9 278.5



#55
Styrene
Concen: 22.533 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion:104 Resp: 736085
Ion Ratio Lower Upper
104 100
78 43.8 29.9 55.5

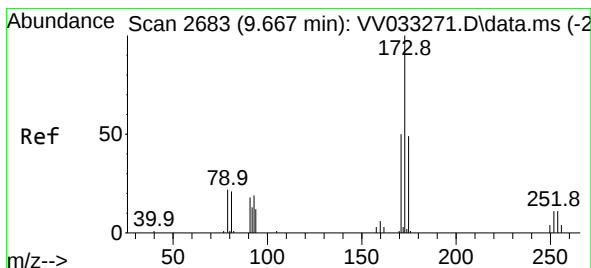
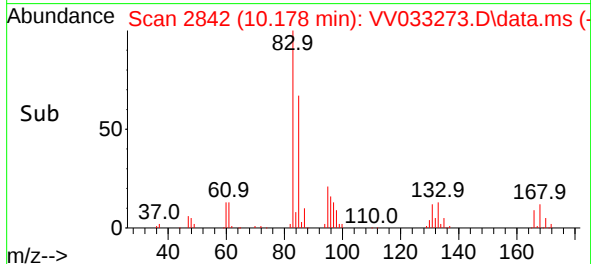
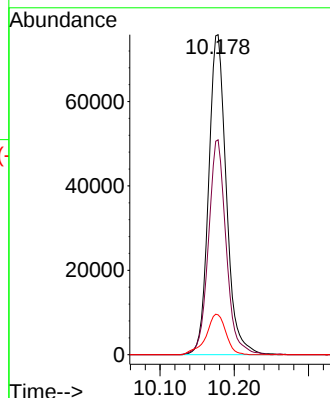
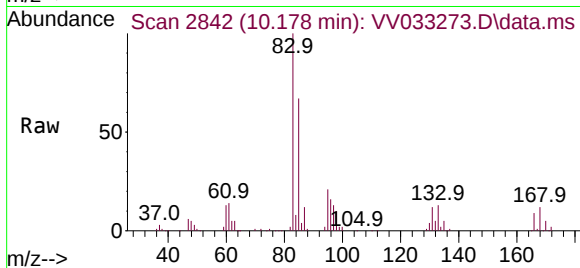




#57
 1,1,2,2-Tetrachloroethane
 Concen: 14.925 ug/L
 RT: 10.178 min Scan# 2842
 Delta R.T. -0.000 min
 Lab File: VV033273.D
 Acq: 13 Dec 2023 12:42

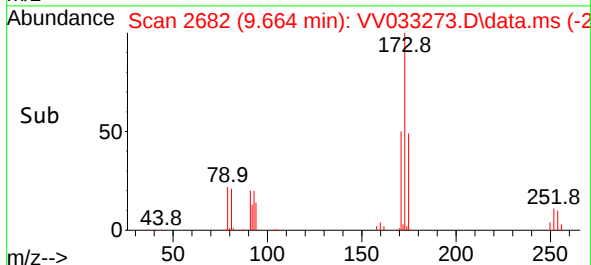
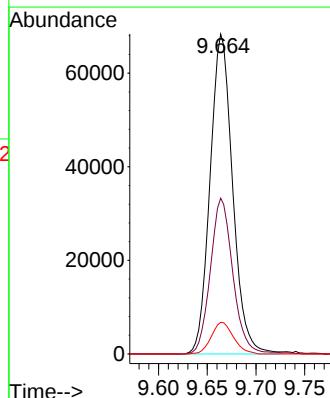
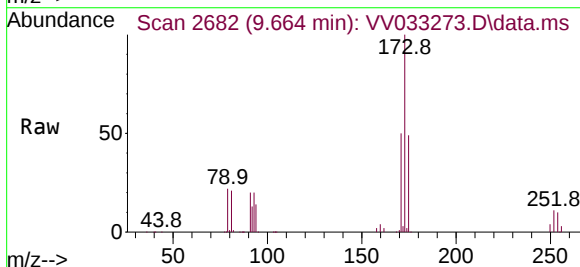
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020220

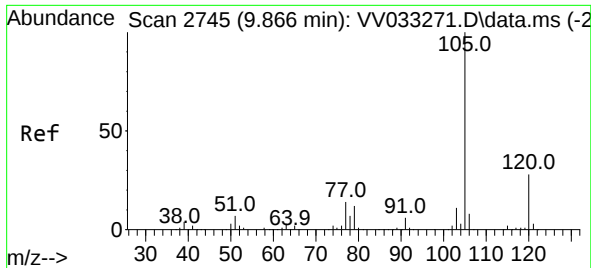
Tgt Ion: 83 Resp: 125223
 Ion Ratio Lower Upper
 83 100
 85 67.1 45.4 84.4
 131 12.5 11.5 17.3



#59
 Bromoform
 Concen: 19.874 ug/L
 RT: 9.664 min Scan# 2682
 Delta R.T. -0.003 min
 Lab File: VV033273.D
 Acq: 13 Dec 2023 12:42

Tgt Ion: 173 Resp: 110123
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.0 55.4
 254 9.7 8.5 12.7

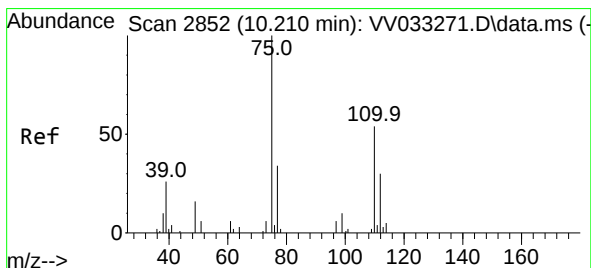
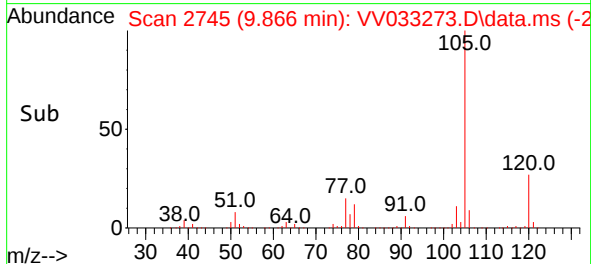
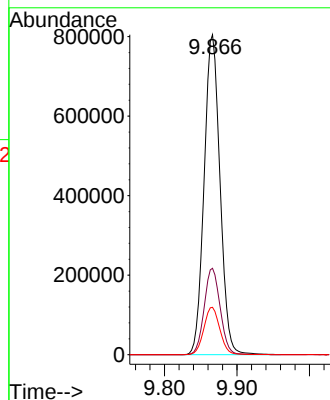
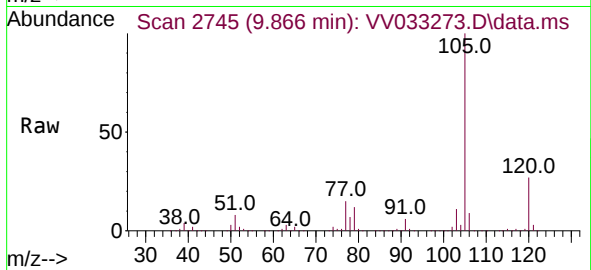




#60
Isopropylbenzene
Concen: 22.275 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

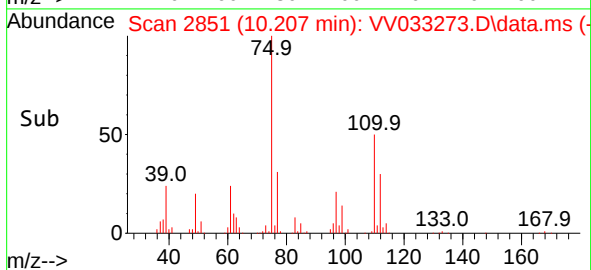
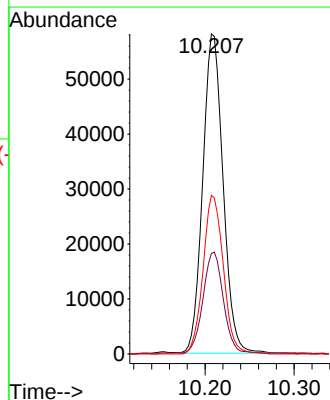
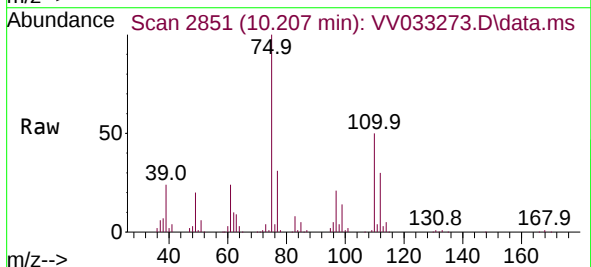
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

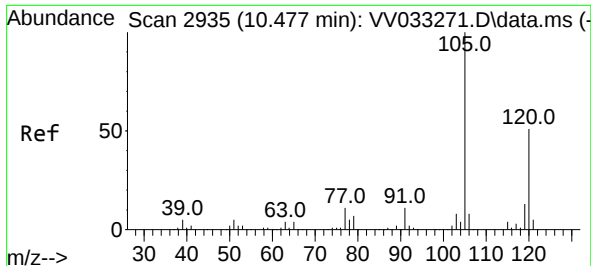
Tgt Ion:105 Resp: 1225382
Ion Ratio Lower Upper
105 100
120 27.2 22.2 33.4
77 14.9 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 15.251 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.003 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion: 75 Resp: 92044
Ion Ratio Lower Upper
75 100
77 32.7 27.4 41.2
110 49.6 39.4 59.2





#62

1,3,5-Trimethylbenzene

Concen: 24.110 ug/L

RT: 10.474 min Scan# 2935

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

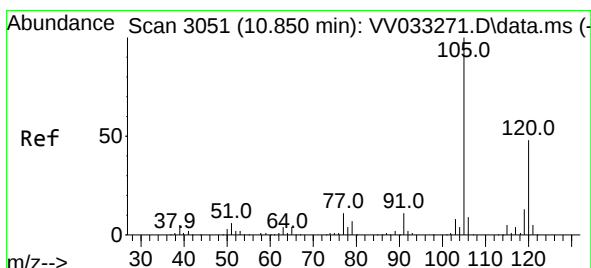
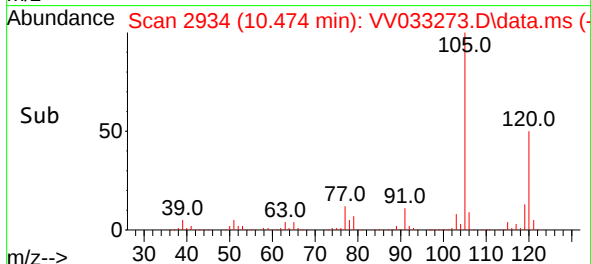
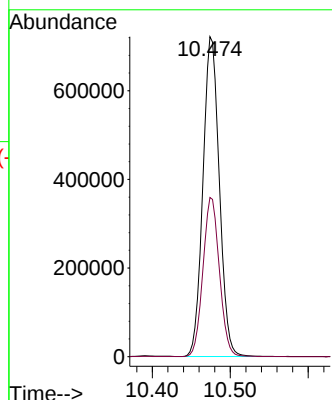
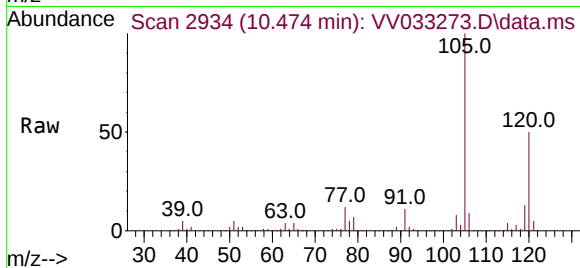
VSTD020220

Tgt Ion:105 Resp: 1056126

Ion Ratio Lower Upper

105 100

120 49.8 41.7 62.5



#63

1,2,4-Trimethylbenzene

Concen: 24.183 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033273.D

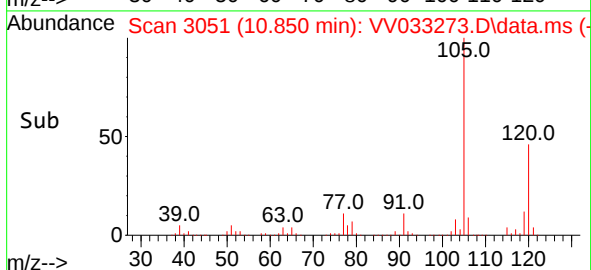
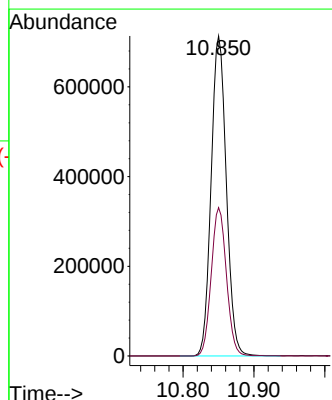
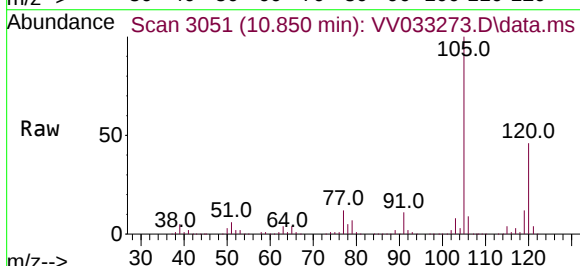
Acq: 13 Dec 2023 12:42

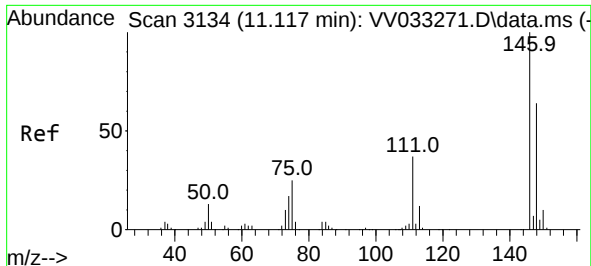
Tgt Ion:105 Resp: 1060759

Ion Ratio Lower Upper

105 100

120 46.4 38.1 57.1

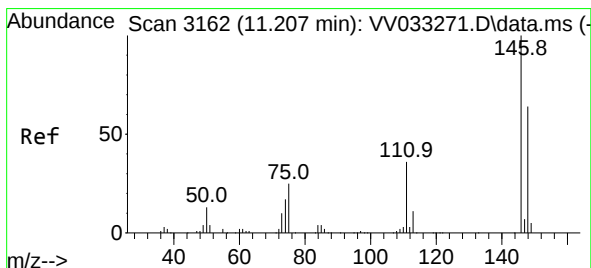
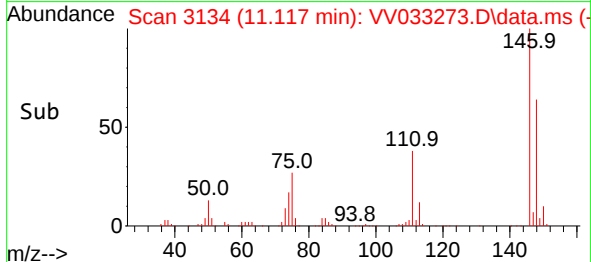
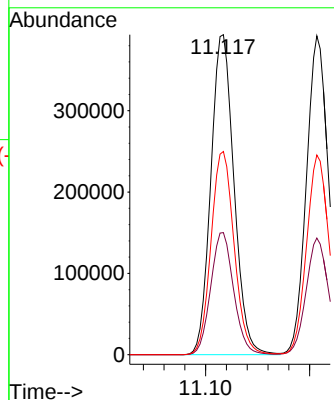
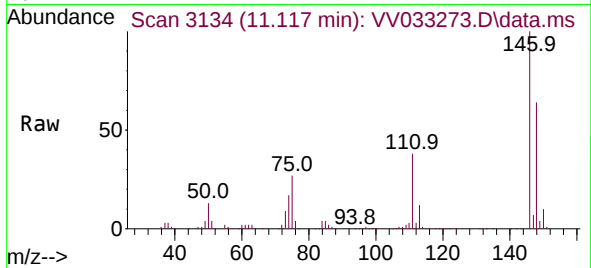




#64
1,3-Dichlorobenzene
Concen: 20.897 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

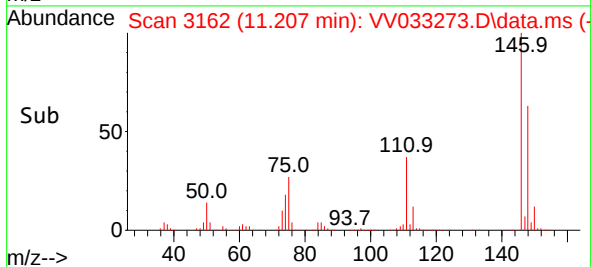
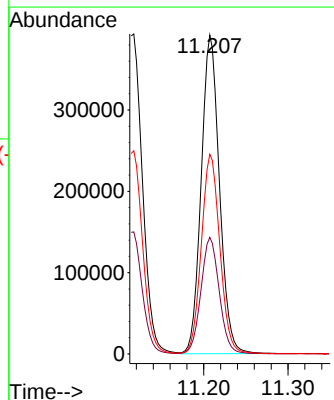
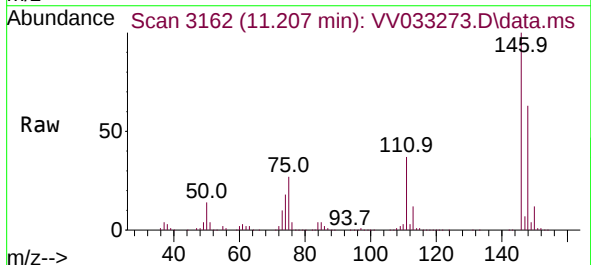
Instrument :
MSVOA_V
ClientSampleId :
VSTD020220

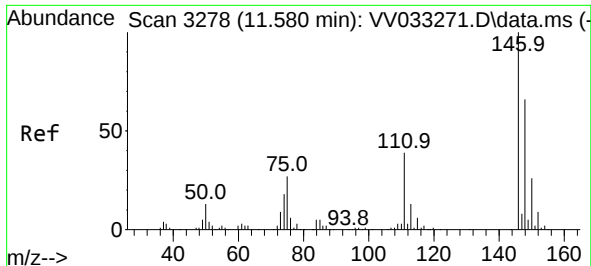
Tgt Ion:146 Resp: 608896
Ion Ratio Lower Upper
146 100
111 38.2 26.0 48.2
148 63.5 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 19.923 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.000 min
Lab File: VV033273.D
Acq: 13 Dec 2023 12:42

Tgt Ion:146 Resp: 590728
Ion Ratio Lower Upper
146 100
111 36.6 25.6 47.4
148 62.6 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 20.080 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD020220

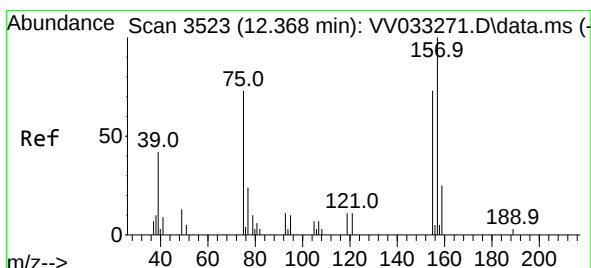
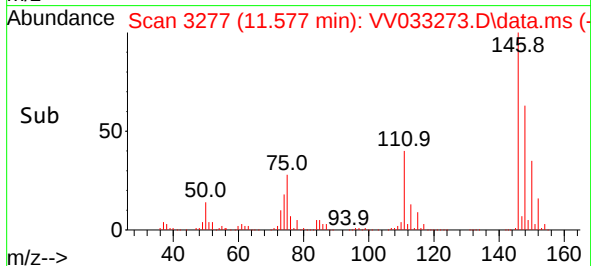
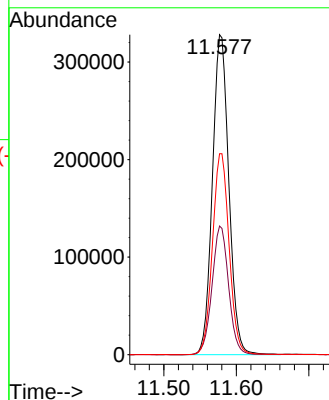
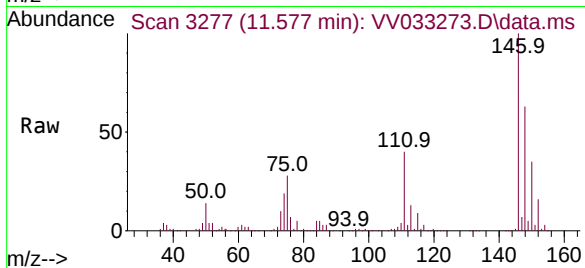
Tgt Ion:146 Resp: 515809

Ion Ratio Lower Upper

146 100

111 40.2 31.0 46.4

148 62.8 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 16.006 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.003 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

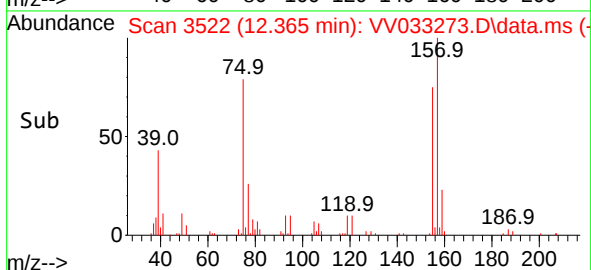
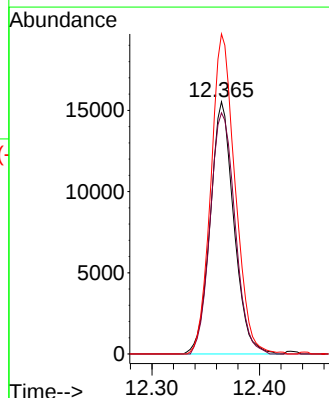
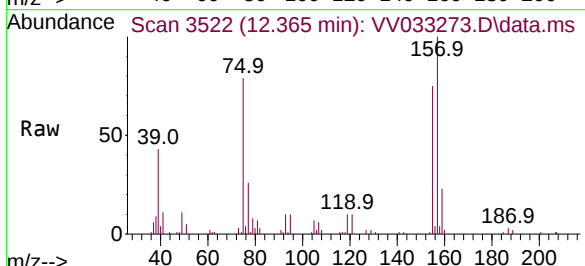
Tgt Ion: 75 Resp: 23746

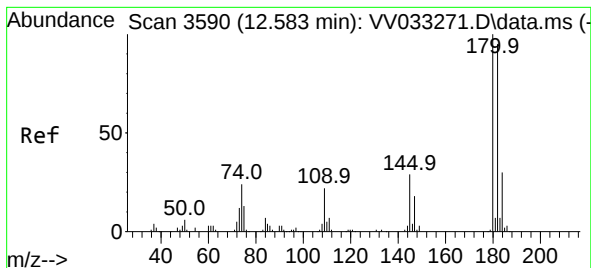
Ion Ratio Lower Upper

75 100

155 95.6 79.8 119.8

157 126.9 110.2 165.2





#69

1,3,5-Trichlorobenzene

Concen: 22.742 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD020220

Tgt Ion:180 Resp: 502434

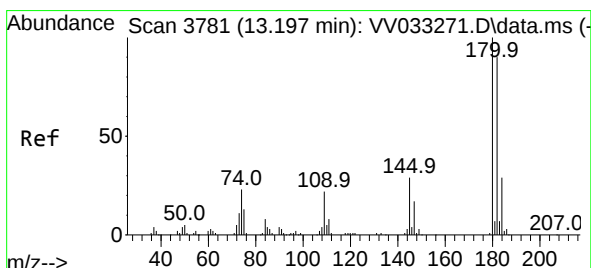
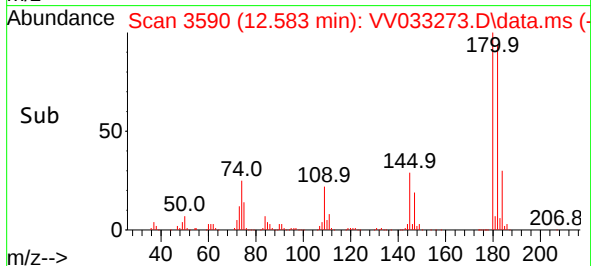
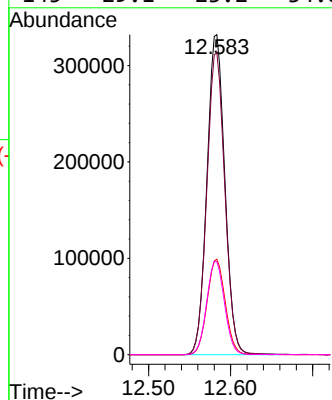
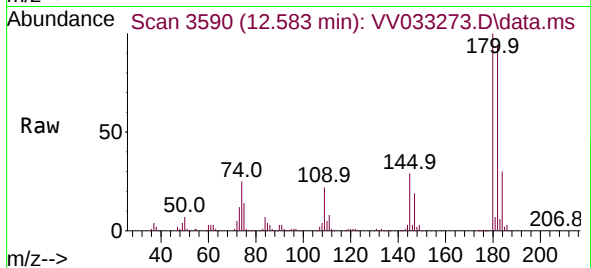
Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

184 30.3 24.5 36.7

145 29.1 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 22.423 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. -0.000 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

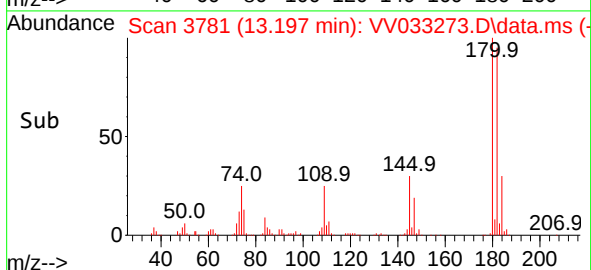
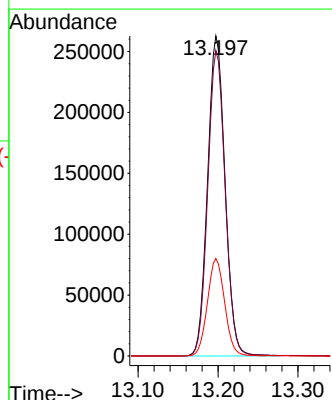
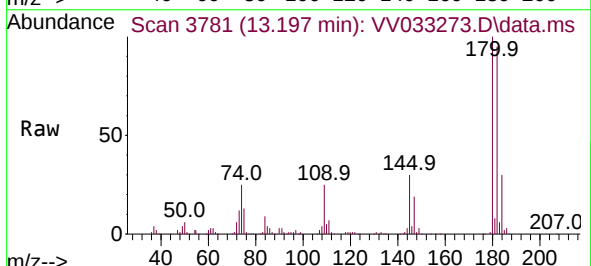
Tgt Ion:180 Resp: 400012

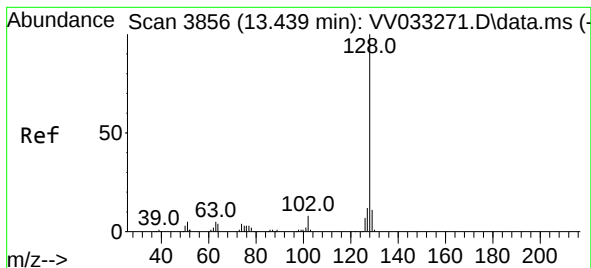
Ion Ratio Lower Upper

180 100

182 94.8 74.2 111.4

145 30.0 22.6 34.0





#71

Naphthalene

Concen: 21.287 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD020220

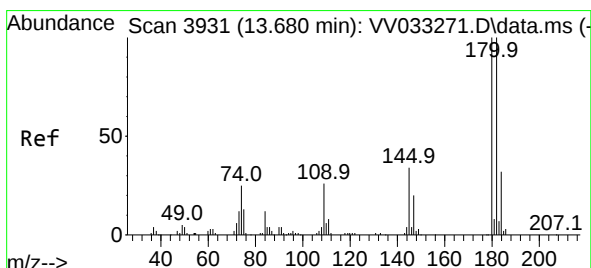
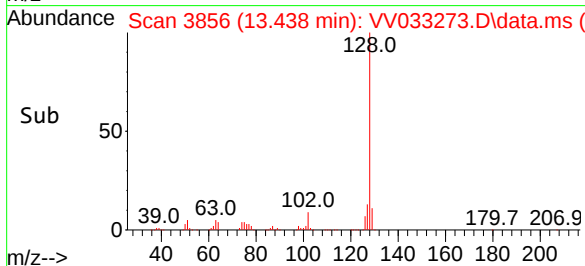
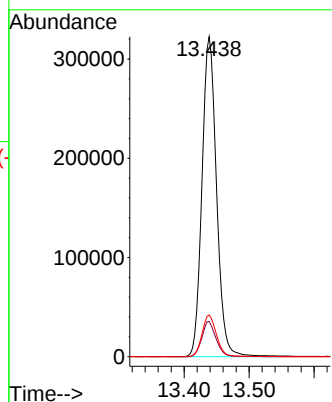
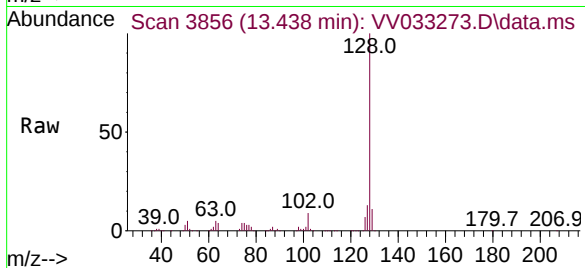
Tgt Ion:128 Resp: 503575

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 12.9 10.1 15.1



#72

1,2,3-Trichlorobenzene

Concen: 21.583 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033273.D

Acq: 13 Dec 2023 12:42

Tgt Ion:180 Resp: 326505

Ion Ratio Lower Upper

180 100

182 94.2 78.8 118.2

145 31.8 26.6 40.0

