

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121323\
 Data File : VW033271.D
 Acq On : 13 Dec 2023 11:07
 Operator : SY/MD
 Sample : VSTD005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005218

Quant Time: Dec 13 23:01:11 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	5.535	114	141805	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	138714	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	80353	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	45670	3.977	ug/L	0.00
7) Chloroethane-d5	1.532	69	34223	3.188	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	18410	3.625	ug/L	0.00
20) 2-Butanone-d5	3.838	46	29853	19.589	ug/L	0.00
24) Chloroform-d	4.249	84	101125	4.916	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	44553	4.884	ug/L	0.00
32) Benzene-d6	4.960	84	188960	5.201	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	43132	4.350	ug/L	0.00
41) Toluene-d8	7.243	98	191082	5.520	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	19729	4.923	ug/L	0.00
46) 2-Hexanone-d5	8.027	63	56041	42.256	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	29259	4.040	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	72435	5.124	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	95852	5.892	ug/L	100
3) Chloromethane	1.214	50	50034	3.482	ug/L	100
5) Vinyl chloride	1.282	62	53926	3.884	ug/L	100
6) Bromomethane	1.491	94	34986	3.551	ug/L	100
8) Chloroethane	1.552	64	28466	2.826	ug/L	100
9) Trichlorofluoromethane	1.716	101	100783	4.511	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	46541	3.813	ug/L	100
12) 1,1-Dichloroethene	2.069	96	42662	3.759	ug/L	100
13) Acetone	2.397	43	7866	5.650	ug/L	81
14) Carbon disulfide	2.240	76	142277	4.253	ug/L	100
15) Methyl Acetate	2.397	43	7866	2.549	ug/L	# 76
16) Methylene chloride	2.449	84	47025	3.441	ug/L	100
17) Methyl tert-butyl Ether	2.706	73	89230	4.520	ug/L	100
18) trans-1,2-Dichloroethene	2.696	96	51689	4.618	ug/L	100
19) 1,1-Dichloroethane	3.111	63	81805	4.206	ug/L	100
21) 2-Butanone	3.912	43	53183	30.809	ug/L	92
22) cis-1,2-Dichloroethene	3.815	96	56353	4.854	ug/L	100
23) Bromochloromethane	4.153	128	24197	4.608	ug/L	100
25) Chloroform	4.275	83	99582	4.571	ug/L	100
27) 1,2-Dichloroethane	5.043	62	54848	4.696	ug/L	100
29) 1,1,1-Trichloroethane	4.513	97	101611	5.236	ug/L	100
30) Cyclohexane	4.580	56	66770	5.003	ug/L	100
31) Carbon tetrachloride	4.735	117	96196	5.641	ug/L	100
33) Benzene	5.011	78	202479	5.020	ug/L	100
34) Trichloroethene	5.834	95	58992	5.206	ug/L	100
35) Methylcyclohexane	6.050	83	86888	5.649	ug/L	100
37) 1,2-Dichloropropane	6.095	63	38863	4.038	ug/L	100
38) Bromodichloromethane	6.432	83	66389	4.794	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	67434	4.864	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	149169	39.736	ug/L	100
42) Toluene	7.313	91	240953	5.385	ug/L	100
44) trans-1,3-Dichloropropene	7.584	75	55058	4.907	ug/L	100

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

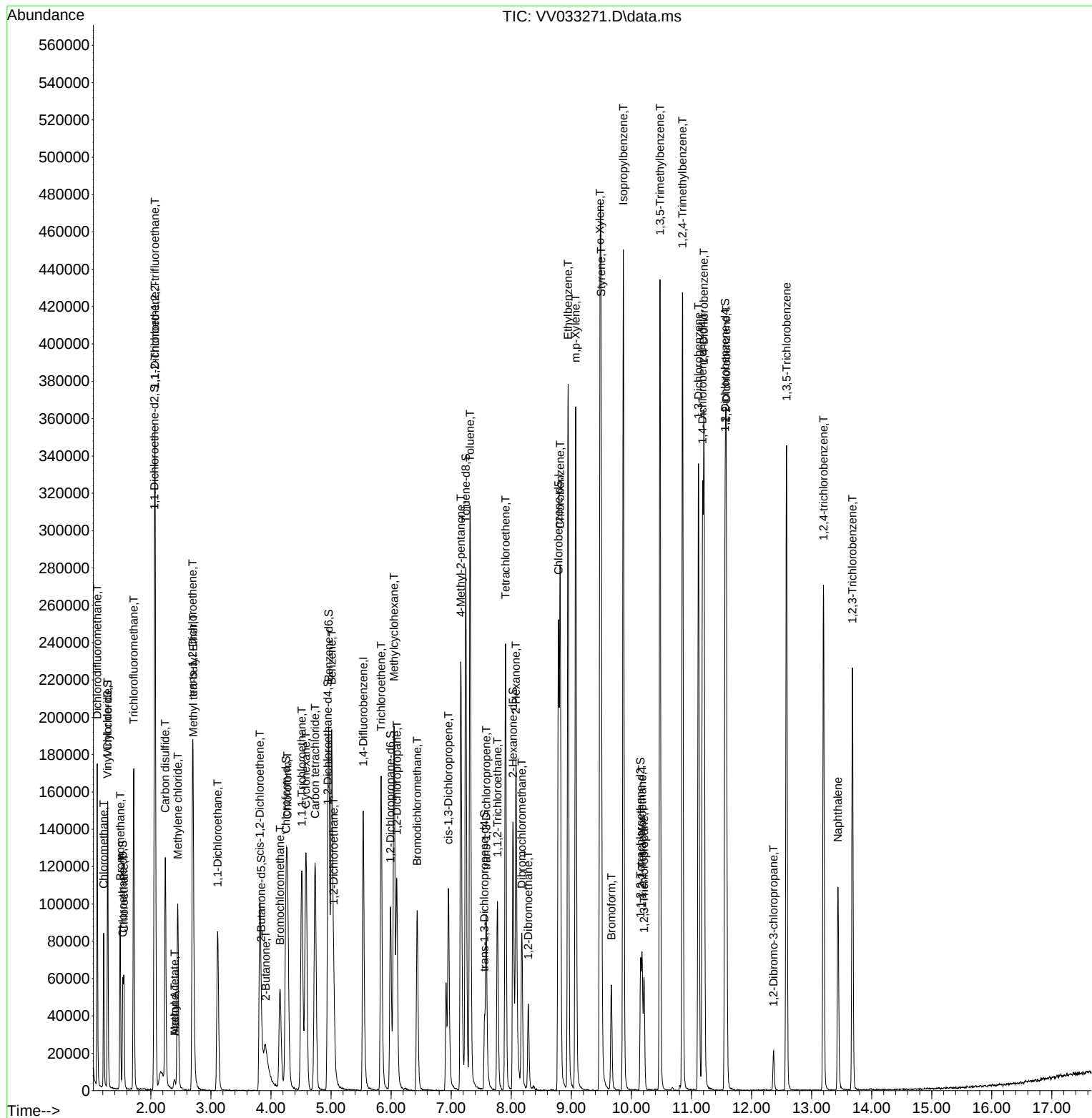
45) 1,1,2-Trichloroethane	7.770	97	31441	4.443	ug/L	100
47) Tetrachloroethene	7.905	164	55812	5.697	ug/L	100
48) 2-Hexanone	8.079	43	111904	39.901	ug/L	100
49) Dibromochloromethane	8.175	129	44244	5.031	ug/L	100
50) 1,2-Dibromoethane	8.284	107	29155	4.318	ug/L	100
51) Chlorobenzene	8.815	112	158413	5.250	ug/L	100
52) Ethylbenzene	8.947	91	264654	5.598	ug/L	100
53) m,p-Xylene	9.072	106	112132	6.014	ug/L	100
54) o-Xylene	9.477	106	102993	5.855	ug/L	100
55) Styrene	9.497	104	177200	5.890	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	29981	3.880	ug/L	100
59) Bromoform	9.667	173	27327	5.323	ug/L	100
60) Isopropylbenzene	9.866	105	287831	5.648	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	22429	4.011	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	234273	5.773	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	238081	5.859	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	147986	5.482	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	145194	5.286	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	123827	5.203	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	5165	3.758	ug/L	100
69) 1,3,5-Trichlorobenzene	12.583	180	115329	5.635	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	89023	5.387	ug/L	100
71) Naphthalene	13.439	128	95815	4.372	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	69589	4.965	ug/L	100

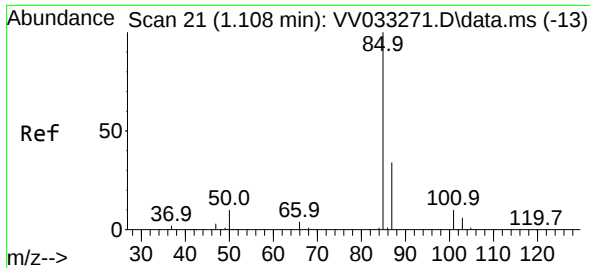
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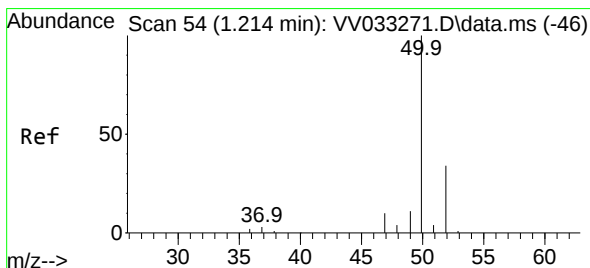
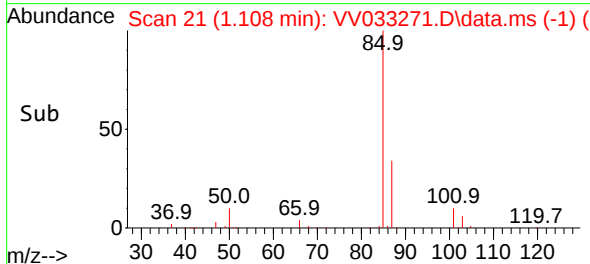
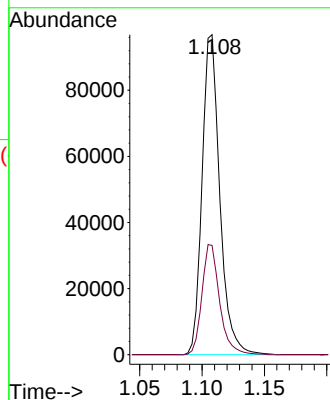
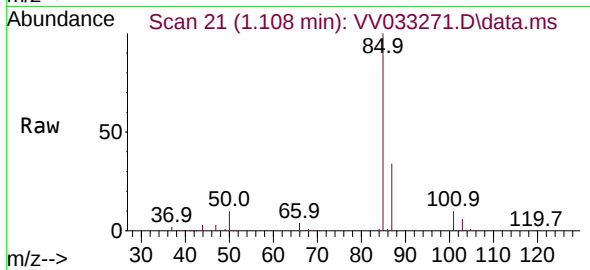




#2
 Dichlorodifluoromethane
 Concen: 5.892 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV033271.D
 Acq: 13 Dec 2023 11:07

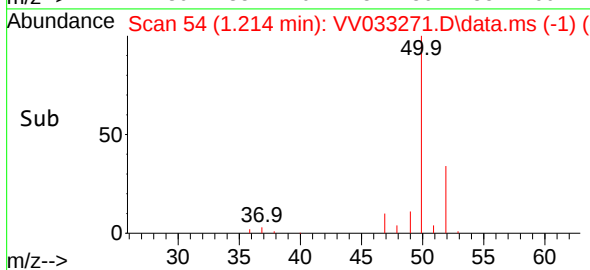
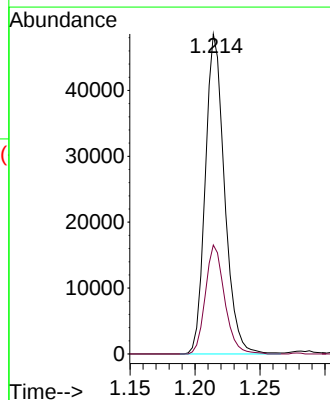
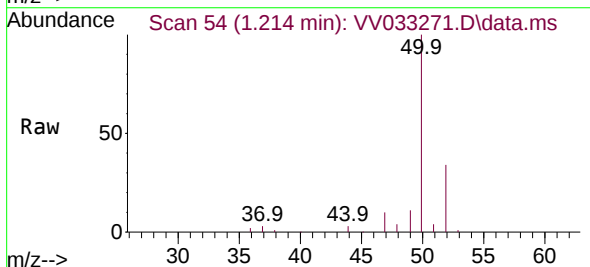
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 ClientSampleId :
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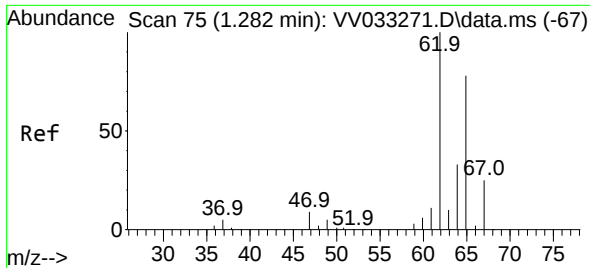
Tgt Ion: 85 Resp: 95852
 Ion Ratio Lower Upper
 85 100
 87 34.3 27.4 41.2



#3
 Chloromethane
 Concen: 3.482 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV033271.D
 Acq: 13 Dec 2023 11:07

Tgt Ion: 50 Resp: 50034
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.8 44.2

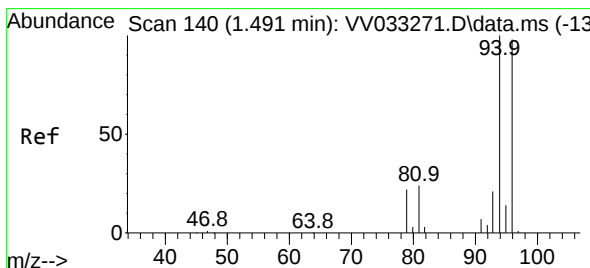
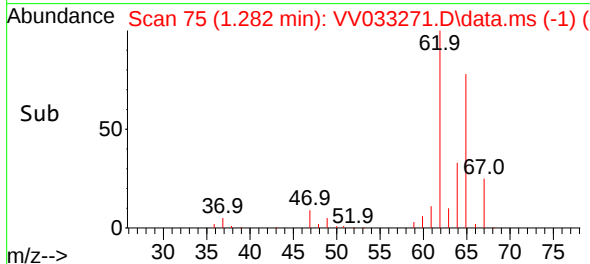
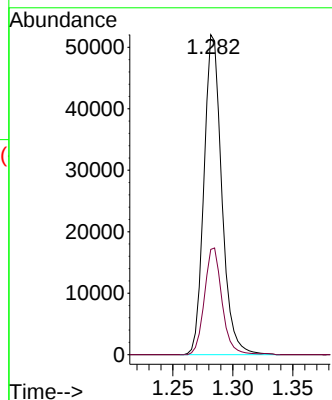
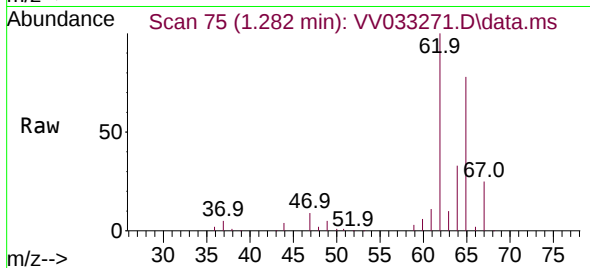




#5
 Vinyl chloride
 Concen: 3.884 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV033271.D
 Acq: 13 Dec 2023 11:07

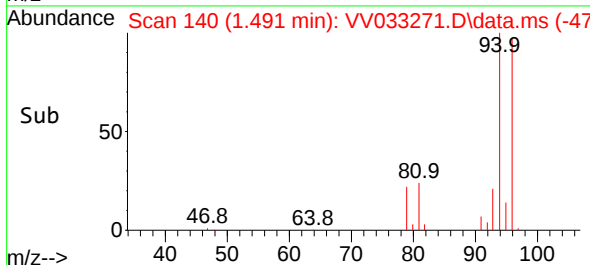
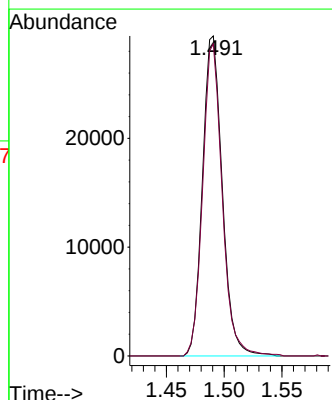
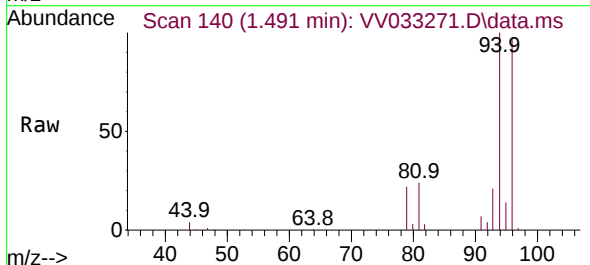
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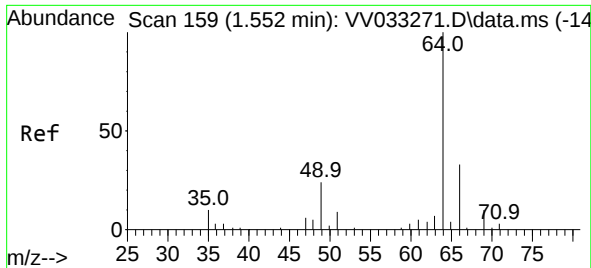
Tgt Ion: 62 Resp: 53926
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.0 42.8



#6
 Bromomethane
 Concen: 3.551 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV033271.D
 Acq: 13 Dec 2023 11:07

Tgt Ion: 94 Resp: 34986
 Ion Ratio Lower Upper
 94 100
 96 97.5 68.3 126.8

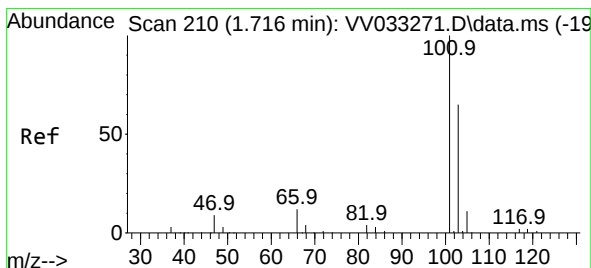
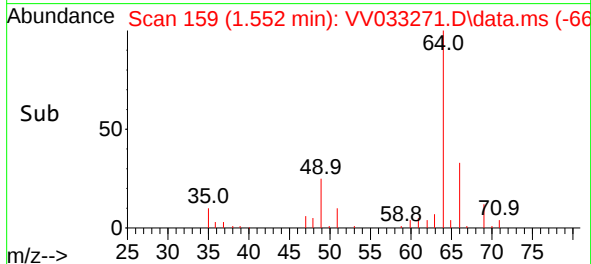
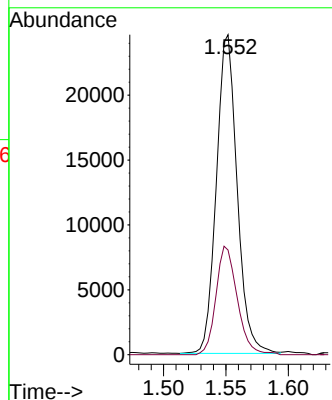
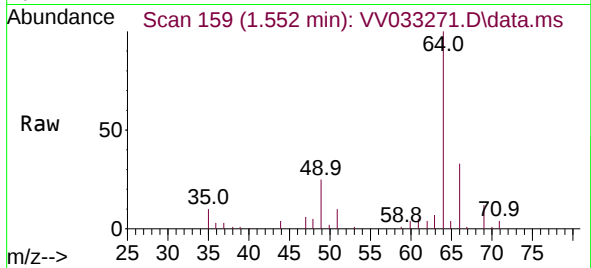




#8
Chloroethane
Concen: 2.826 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

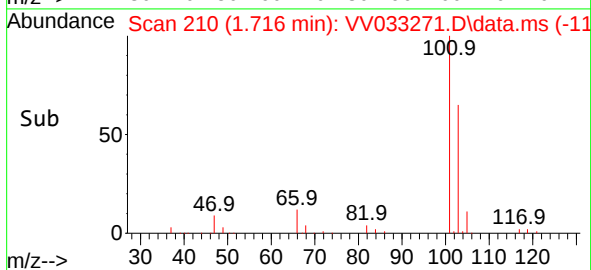
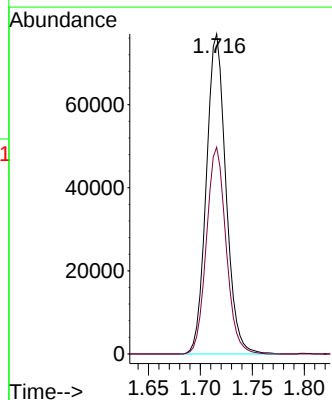
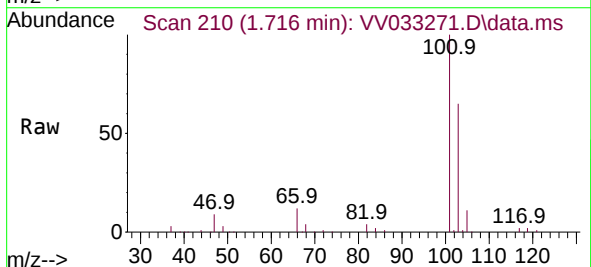
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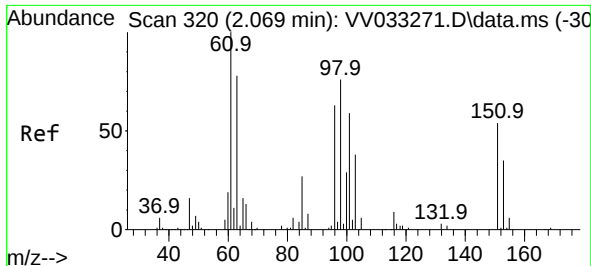
Tgt Ion: 64 Resp: 28466
Ion Ratio Lower Upper
64 100
66 32.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.511 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion:101 Resp: 100783
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

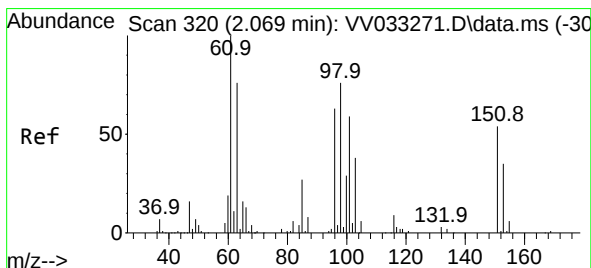
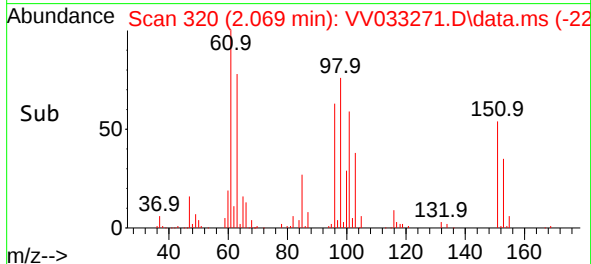
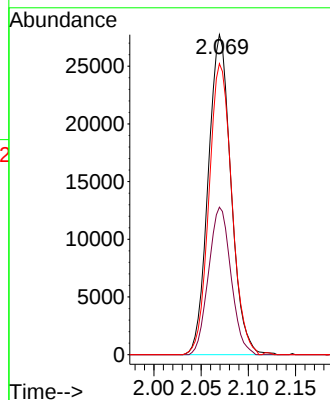
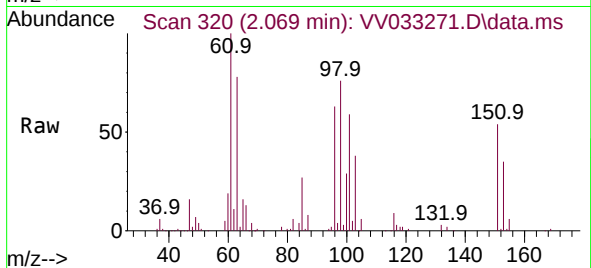




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.813 ug/L
RT: 2.069 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

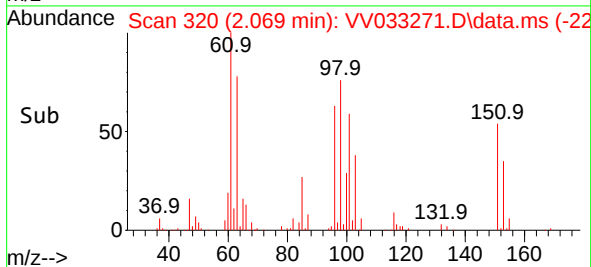
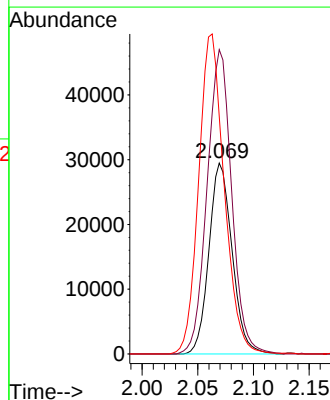
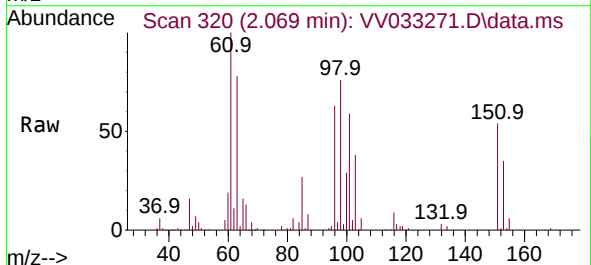
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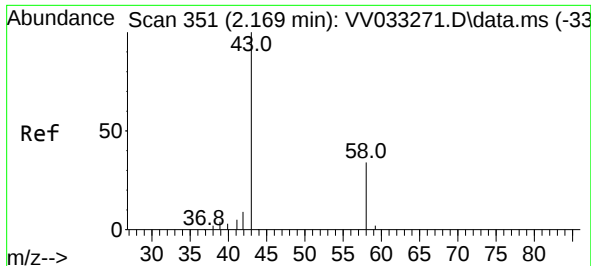
Tgt Ion:101 Resp: 46541
Ion Ratio Lower Upper
101 100
85 45.2 36.2 54.2
151 91.0 72.8 109.2



#12
1,1-Dichloroethene
Concen: 3.759 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion: 96 Resp: 42662
Ion Ratio Lower Upper
96 100
61 159.4 111.6 207.2
63 124.4 87.1 161.7





#13

Acetone

Concen: 5.650 ug/L

RT: 2.397 min Scan# 41

Delta R.T. 0.228 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

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ClientSampleId :

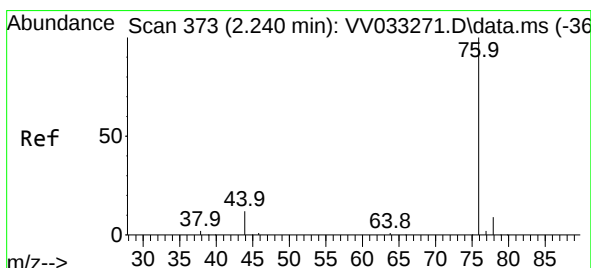
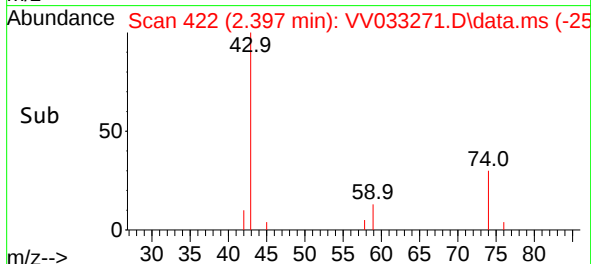
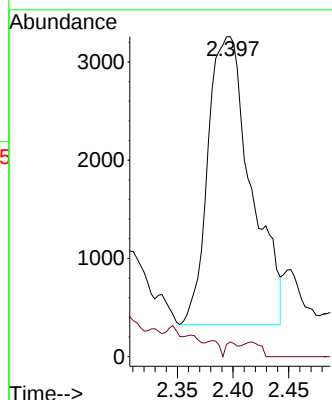
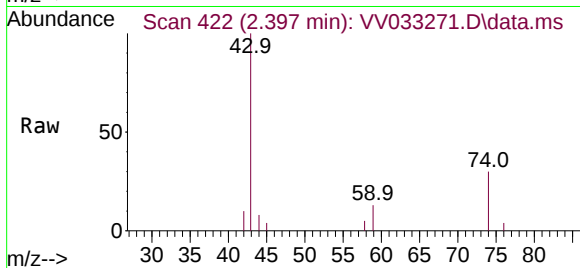
VSTD005218

Tgt Ion: 43 Resp: 7866

Ion Ratio Lower Upper

43 100

58 22.9 0.0 30.2



#14

Carbon disulfide

Concen: 4.253 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV033271.D

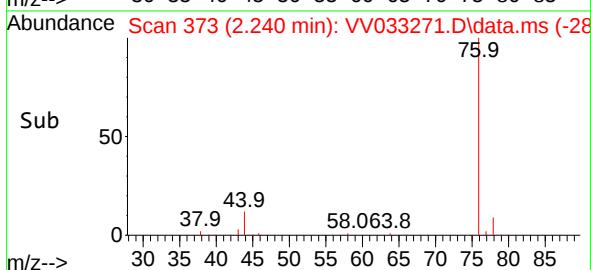
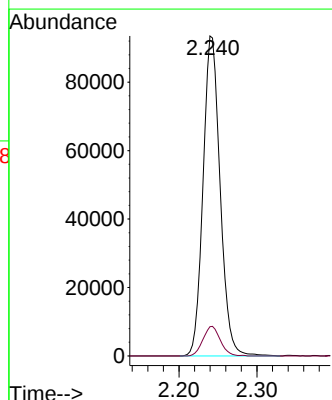
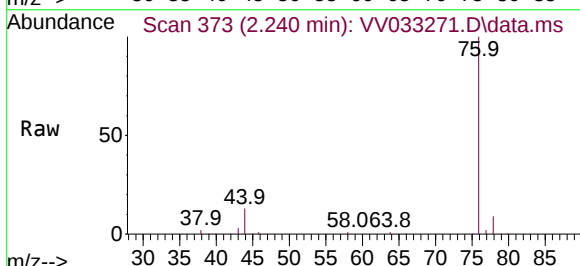
Acq: 13 Dec 2023 11:07

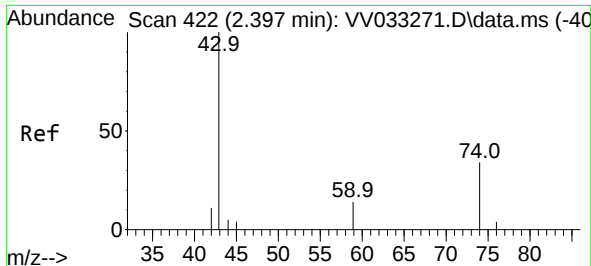
Tgt Ion: 76 Resp: 142277

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

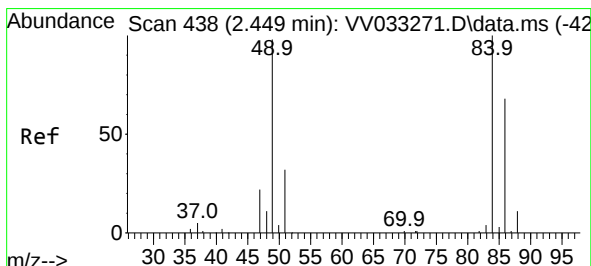
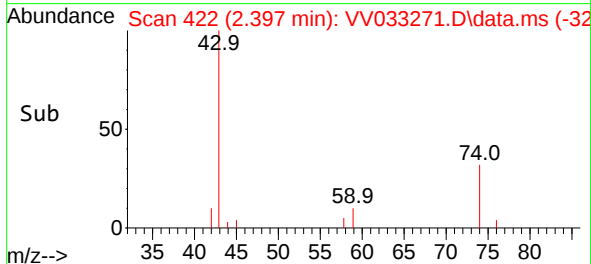
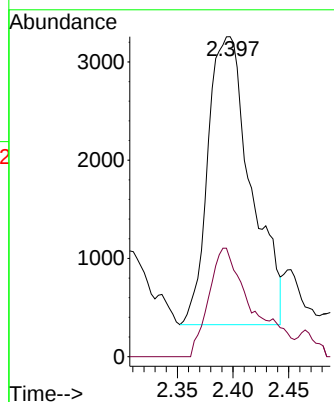
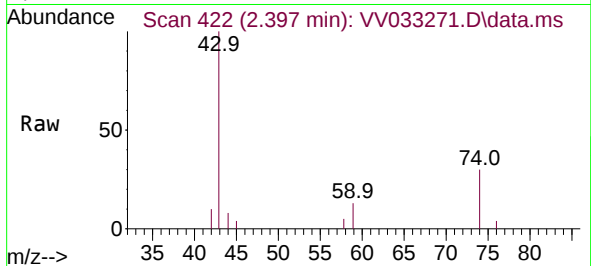




#15
Methyl Acetate
Concen: 2.549 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

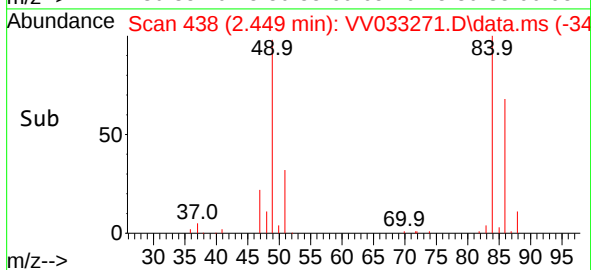
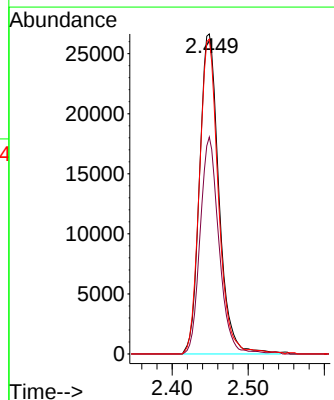
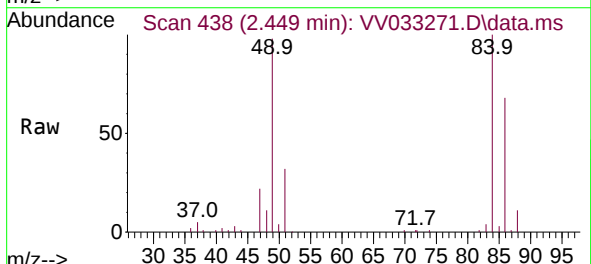
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

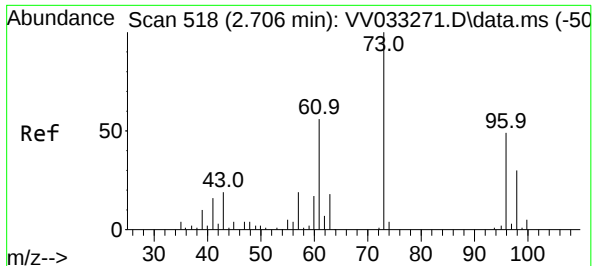
Tgt Ion: 43 Resp: 7866
Ion Ratio Lower Upper
43 100
74 38.5 21.0 31.6#



#16
Methylene chloride
Concen: 3.441 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion: 84 Resp: 47025
Ion Ratio Lower Upper
84 100
86 67.8 47.5 88.1
49 98.4 68.9 127.9





#17

Methyl tert-butyl Ether

Concen: 4.520 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005218

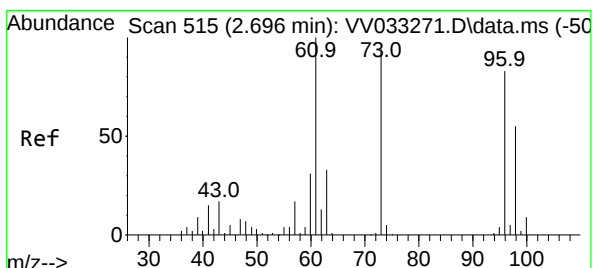
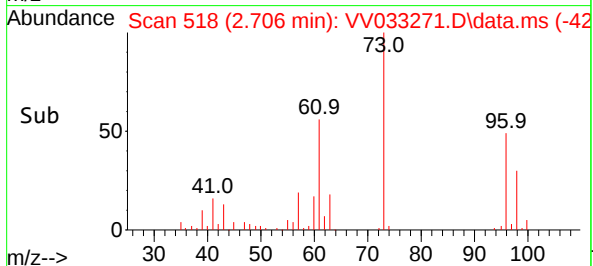
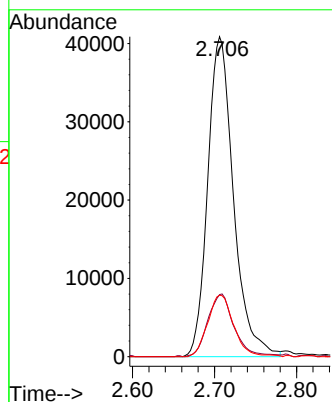
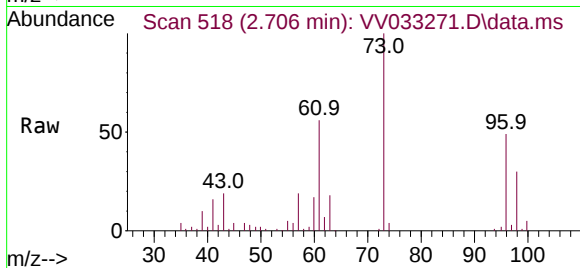
Tgt Ion: 73 Resp: 89230

Ion Ratio Lower Upper

73 100

43 20.0 16.0 24.0

57 19.5 15.6 23.4



#18

trans-1,2-Dichloroethene

Concen: 4.618 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

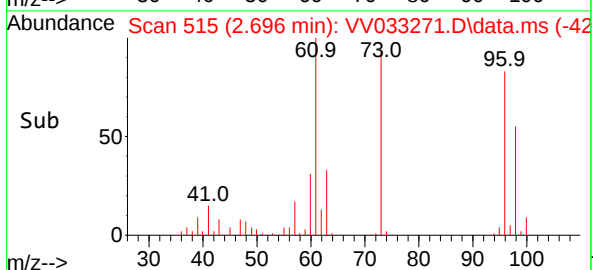
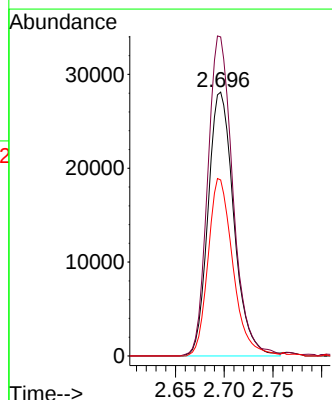
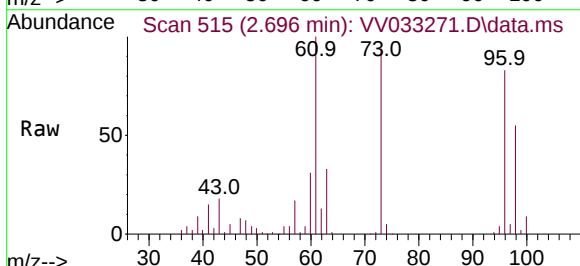
Tgt Ion: 96 Resp: 51689

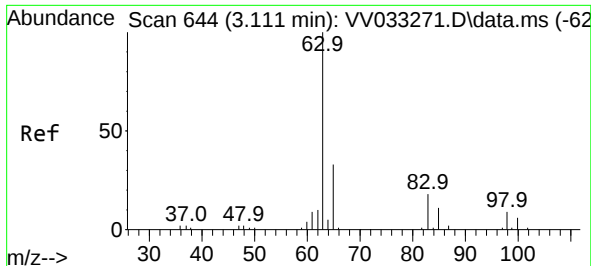
Ion Ratio Lower Upper

96 100

61 120.9 84.6 157.2

98 66.7 46.7 86.7





#19

1,1-Dichloroethane

Concen: 4.206 ug/L

RT: 3.111 min Scan# 644

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005218

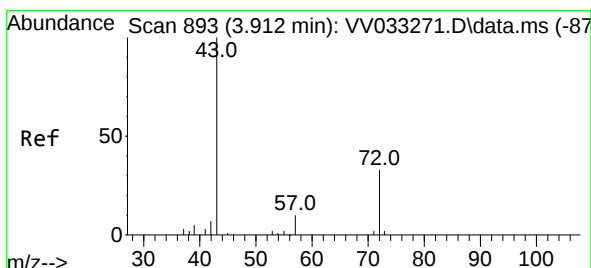
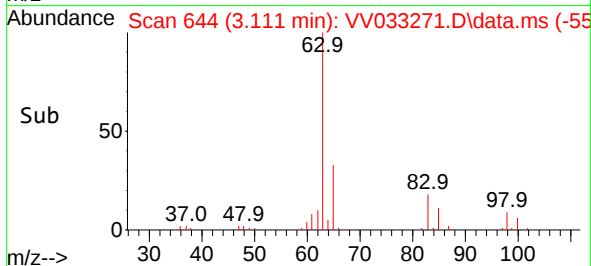
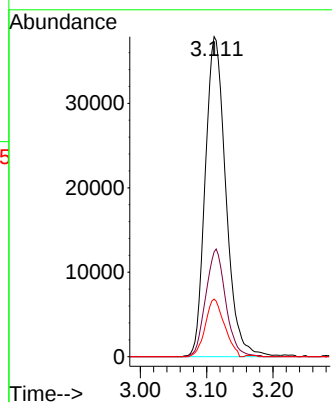
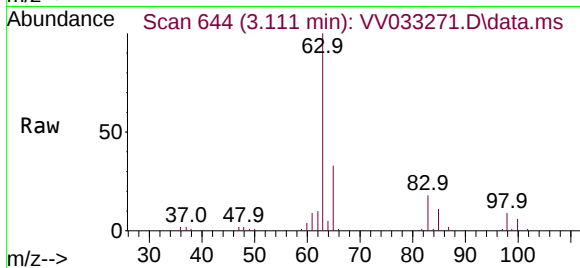
Tgt Ion: 63 Resp: 81805

Ion Ratio Lower Upper

63 100

65 32.7 22.9 42.5

83 18.0 12.6 23.4



#21

2-Butanone

Concen: 30.809 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.000 min

Lab File: VV033271.D

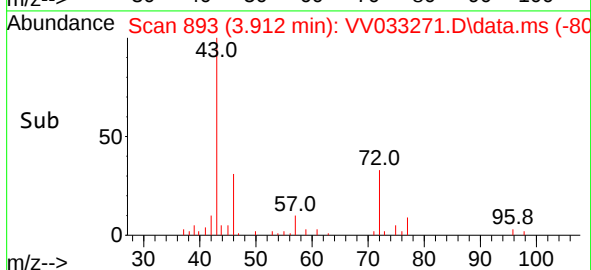
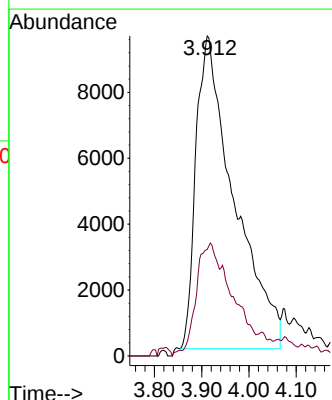
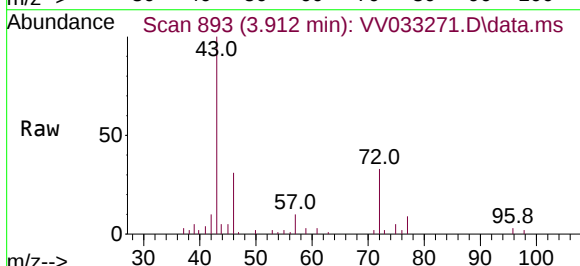
Acq: 13 Dec 2023 11:07

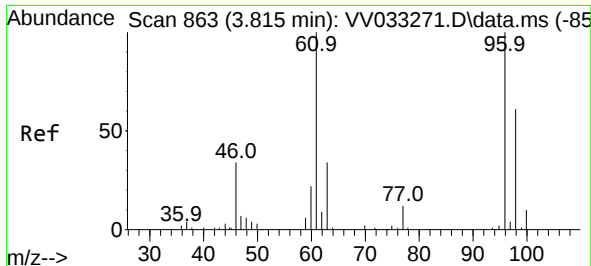
Tgt Ion: 43 Resp: 53183

Ion Ratio Lower Upper

43 100

72 33.9 14.8 44.3





#22

cis-1,2-Dichloroethene

Concen: 4.854 ug/L

RT: 3.815 min Scan# 863

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005218

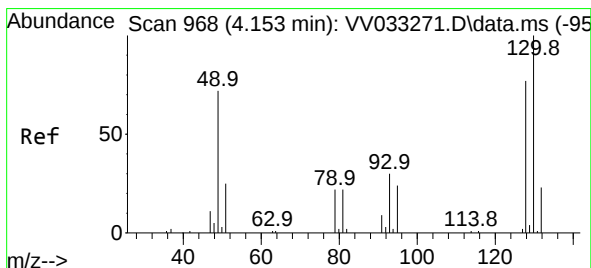
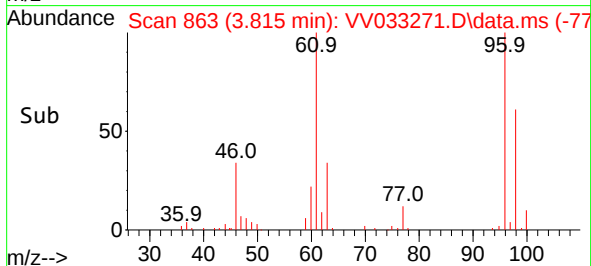
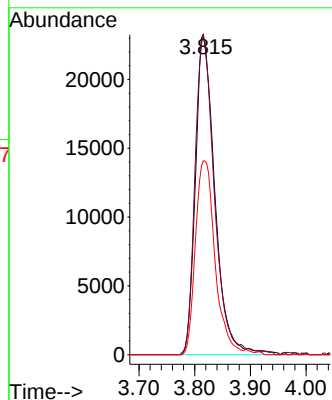
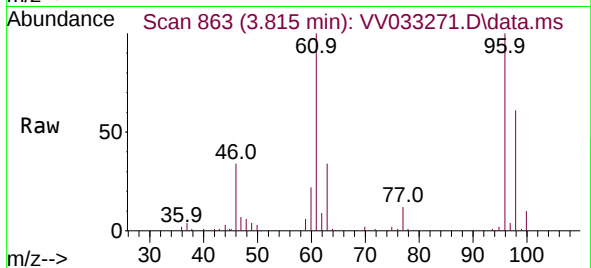
Tgt Ion: 96 Resp: 56353

Ion Ratio Lower Upper

96 100

61 99.9 69.9 129.9

98 60.6 42.4 78.8



#23

Bromochloromethane

Concen: 4.608 ug/L

RT: 4.153 min Scan# 968

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Tgt Ion: 128 Resp: 24197

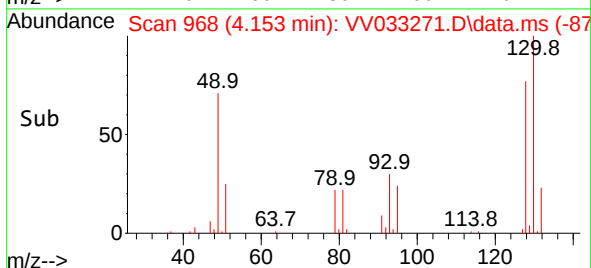
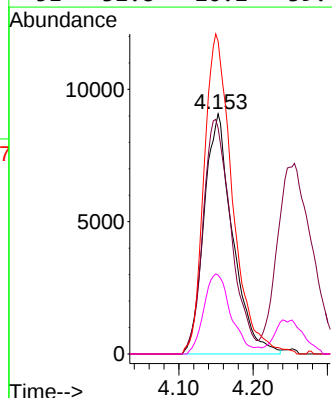
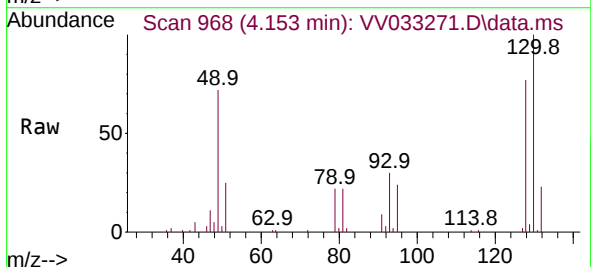
Ion Ratio Lower Upper

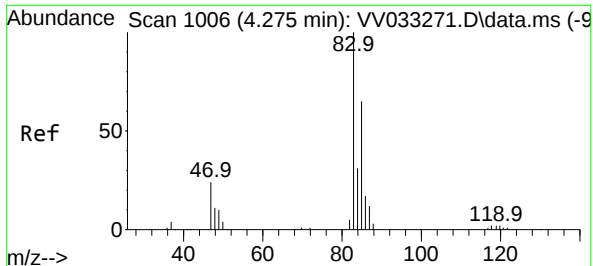
128 100

49 94.0 65.8 122.2

130 130.2 91.1 169.3

51 32.8 26.2 39.4





#25

Chloroform

Concen: 4.571 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

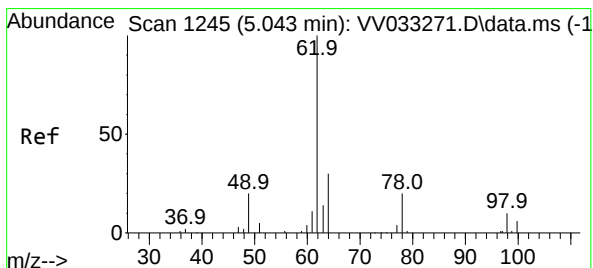
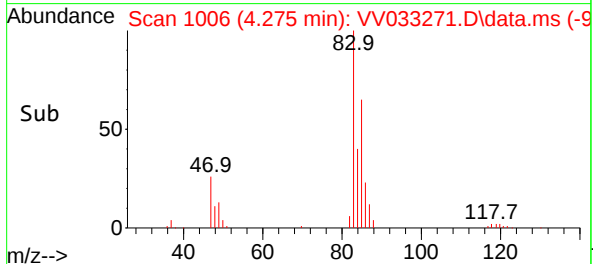
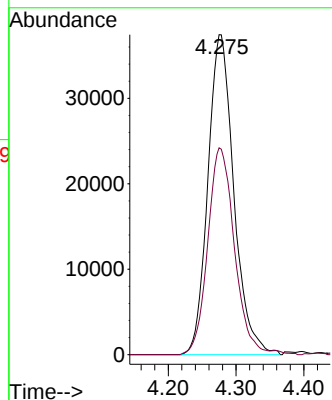
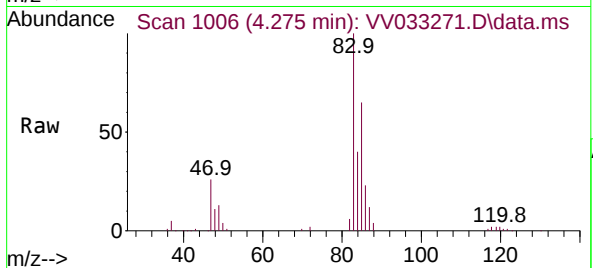
VSTD005218

Tgt Ion: 83 Resp: 99582

Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1



#27

1,2-Dichloroethane

Concen: 4.696 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. 0.000 min

Lab File: VV033271.D

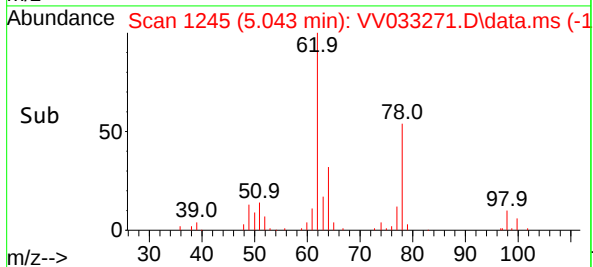
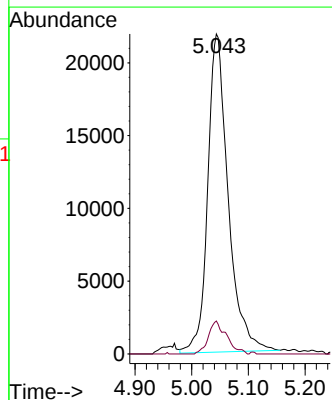
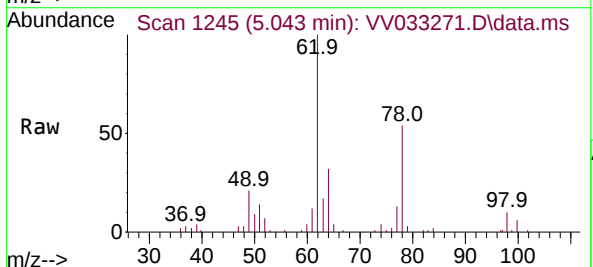
Acq: 13 Dec 2023 11:07

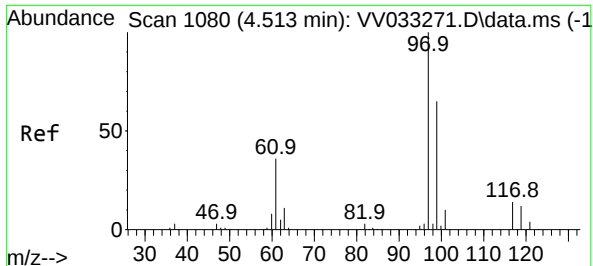
Tgt Ion: 62 Resp: 54848

Ion Ratio Lower Upper

62 100

98 10.3 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 5.236 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005218

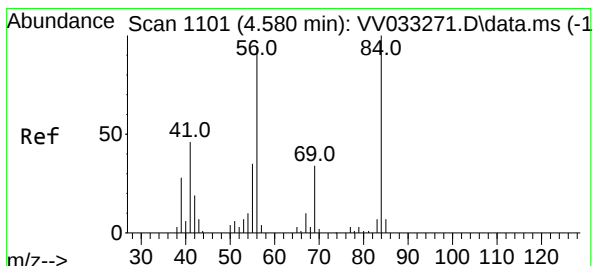
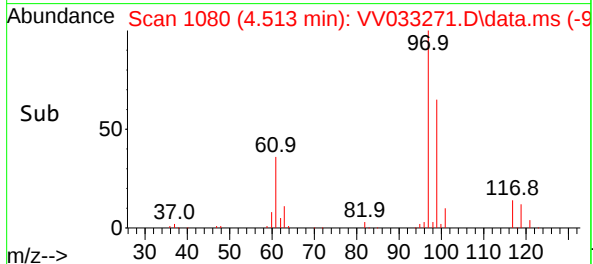
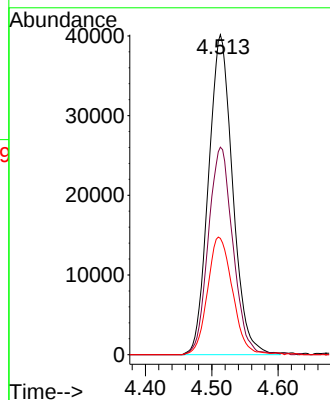
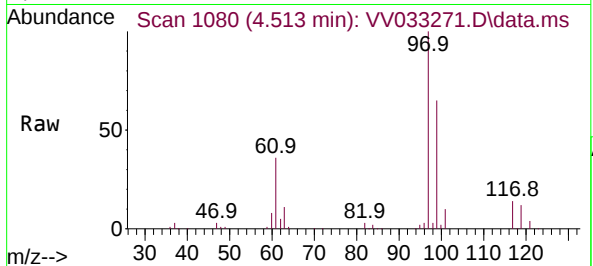
Tgt Ion: 97 Resp: 101611

Ion Ratio Lower Upper

97 100

99 66.0 52.8 79.2

61 37.9 30.3 45.5



#30

Cyclohexane

Concen: 5.003 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

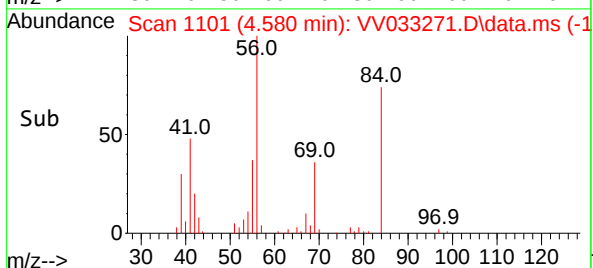
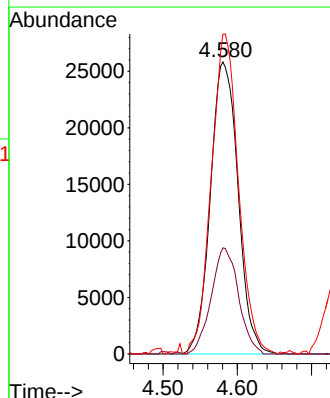
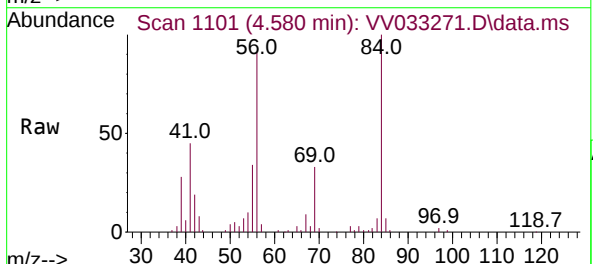
Tgt Ion: 56 Resp: 66770

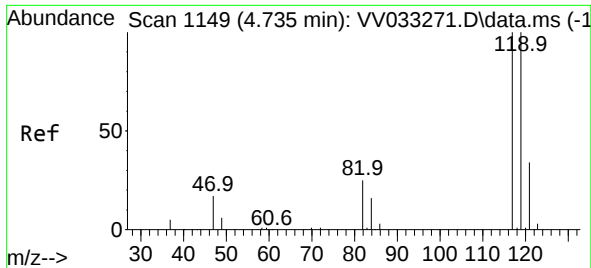
Ion Ratio Lower Upper

56 100

69 36.0 28.8 43.2

84 107.8 86.2 129.4

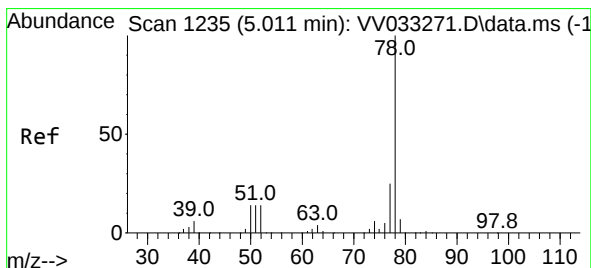
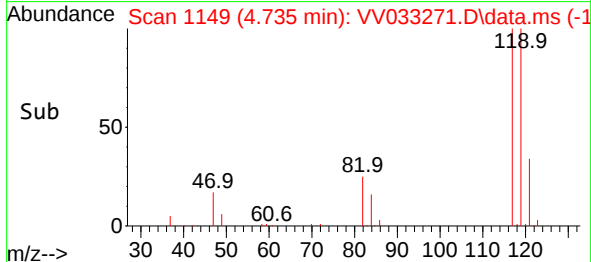
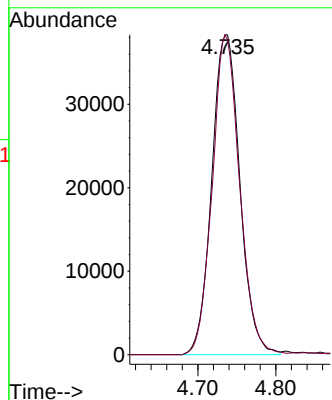
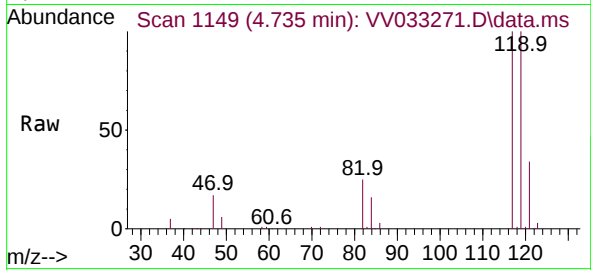




#31
Carbon tetrachloride
Concen: 5.641 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

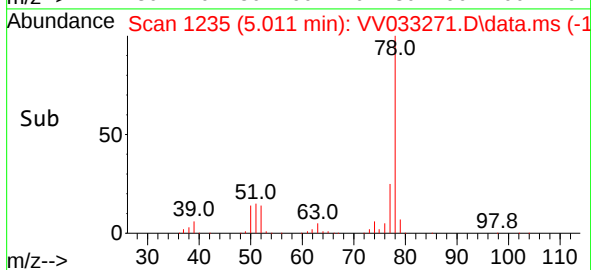
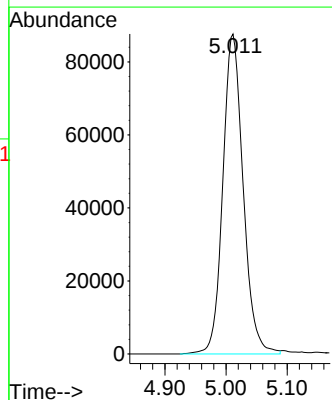
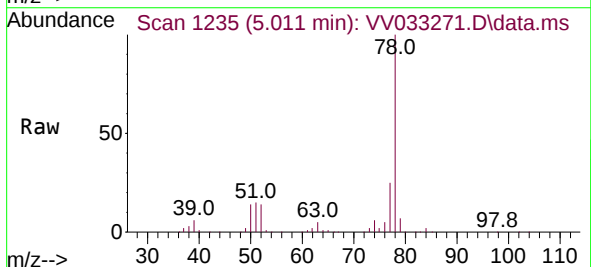
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

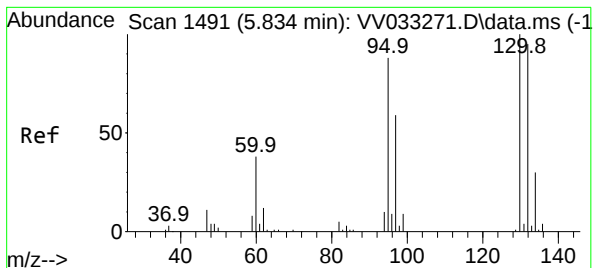
Tgt Ion:117 Resp: 96196
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8



#33
Benzene
Concen: 5.020 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion: 78 Resp: 202479





#34

Trichloroethene

Concen: 5.206 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005218

Tgt Ion: 95 Resp: 58992

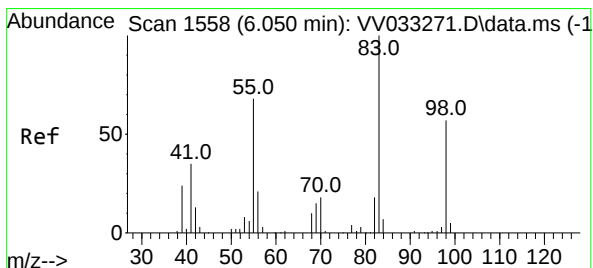
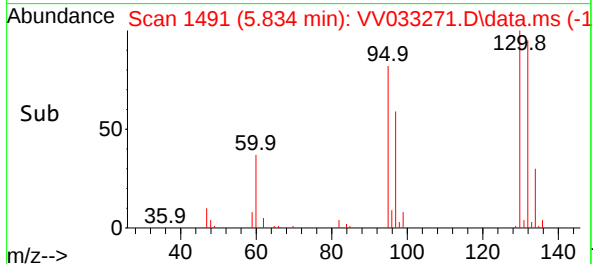
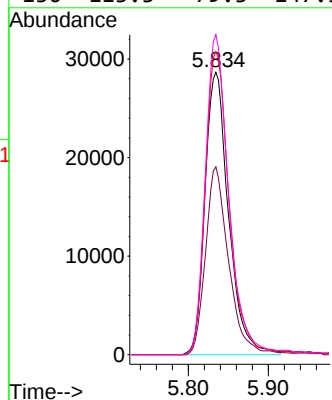
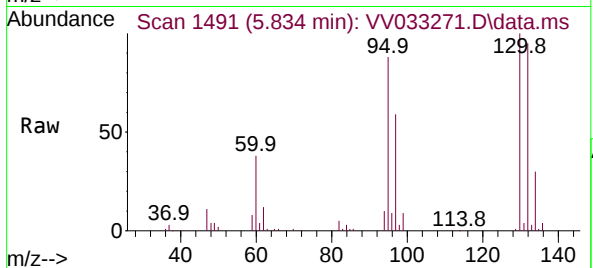
Ion Ratio Lower Upper

95 100

97 66.5 46.5 86.5

132 107.3 75.1 139.5

130 113.3 79.3 147.3



#35

Methylcyclohexane

Concen: 5.649 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

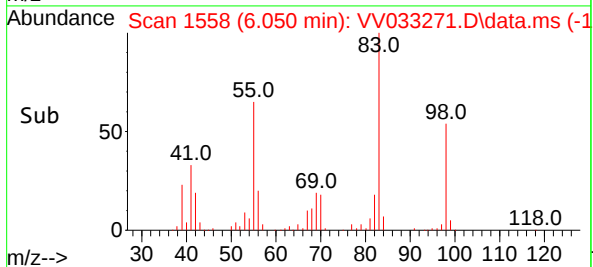
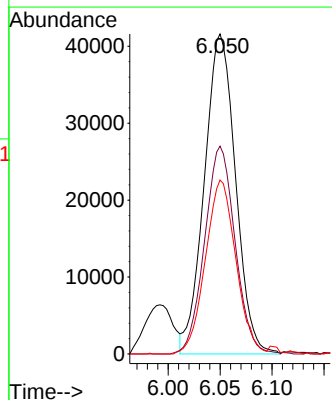
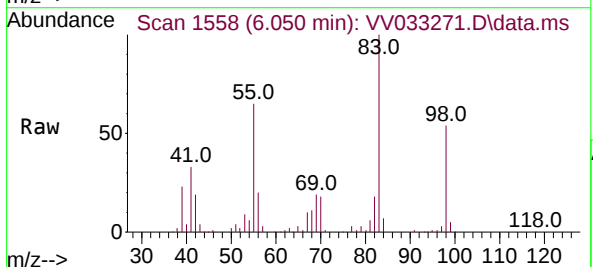
Tgt Ion: 83 Resp: 86888

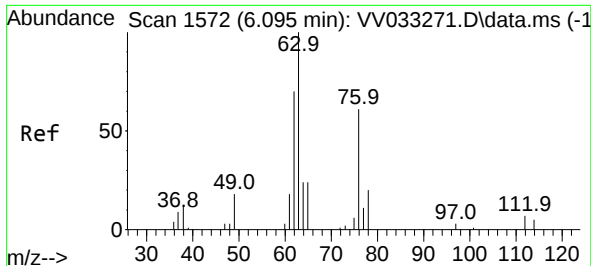
Ion Ratio Lower Upper

83 100

55 63.4 50.7 76.1

98 53.0 42.4 63.6

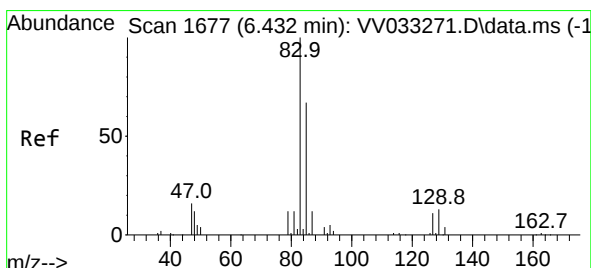
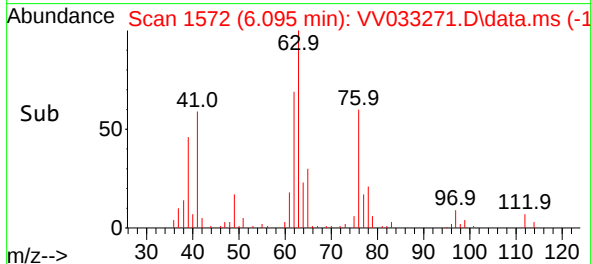
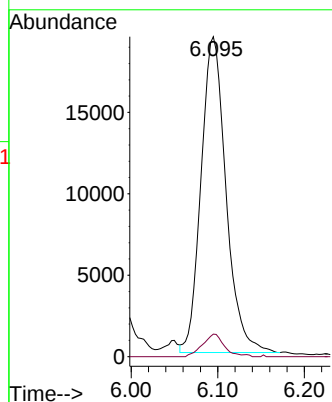
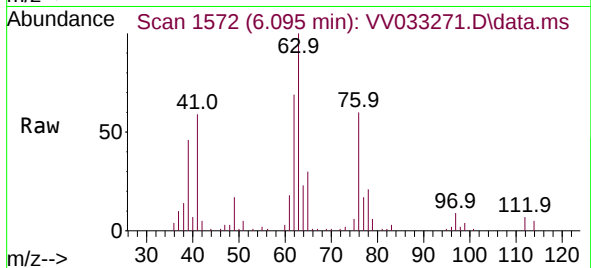




#37
1,2-Dichloropropane
Concen: 4.038 ug/L
RT: 6.095 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

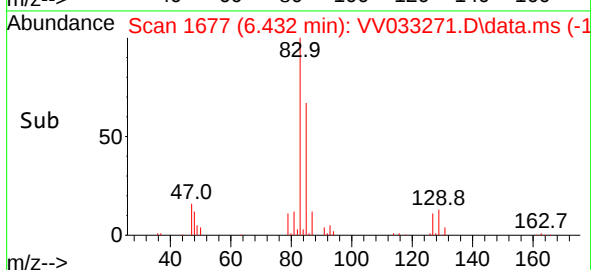
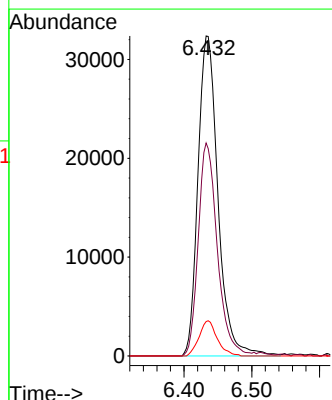
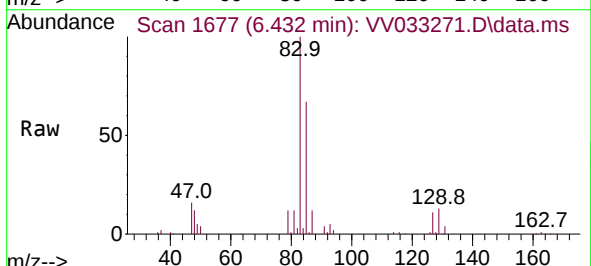
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

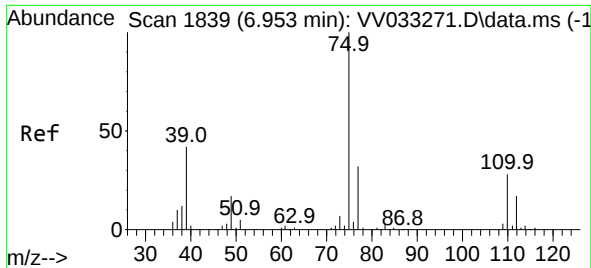
Tgt Ion: 63 Resp: 38863
Ion Ratio Lower Upper
63 100
112 6.3 5.0 7.6



#38
Bromodichloromethane
Concen: 4.794 ug/L
RT: 6.432 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion: 83 Resp: 66389
Ion Ratio Lower Upper
83 100
85 66.6 46.6 86.6
127 10.8 8.6 13.0





#39

cis-1,3-Dichloropropene

Concen: 4.864 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

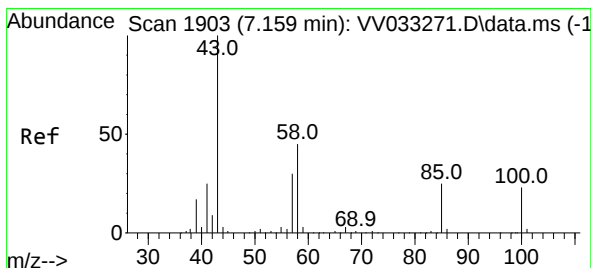
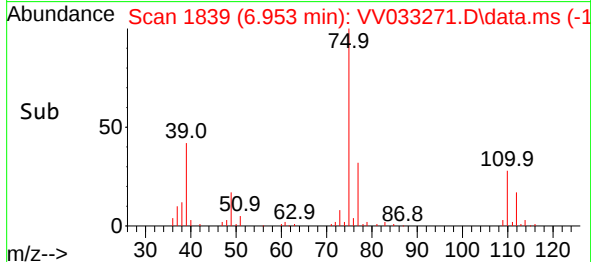
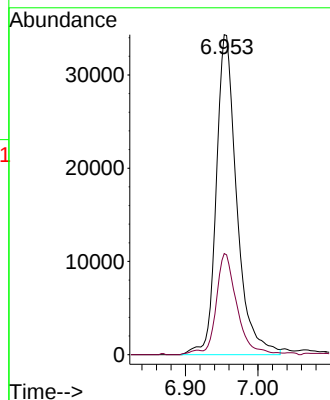
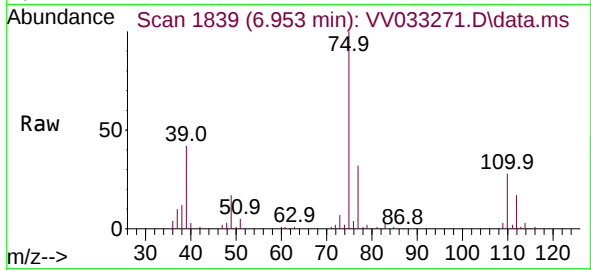
VSTD005218

Tgt Ion: 75 Resp: 67434

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 39.736 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

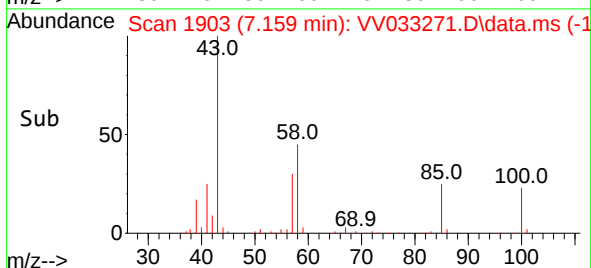
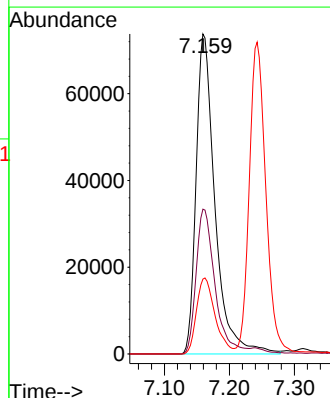
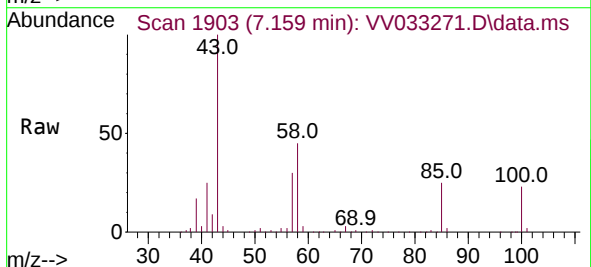
Tgt Ion: 43 Resp: 149169

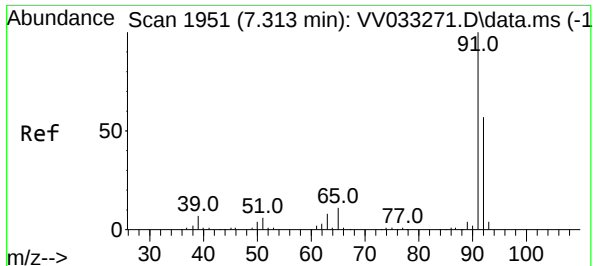
Ion Ratio Lower Upper

43 100

58 45.2 36.2 54.2

100 23.5 18.8 28.2





#42

Toluene

Concen: 5.385 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

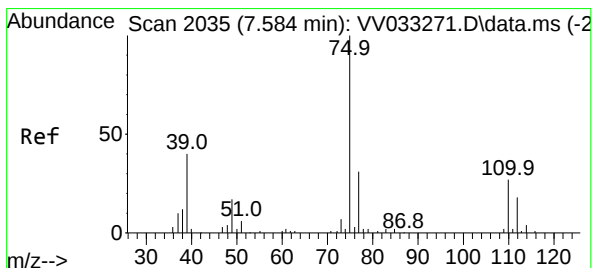
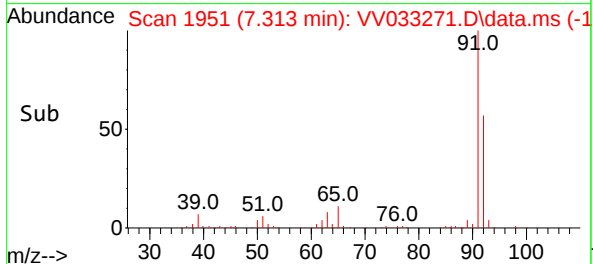
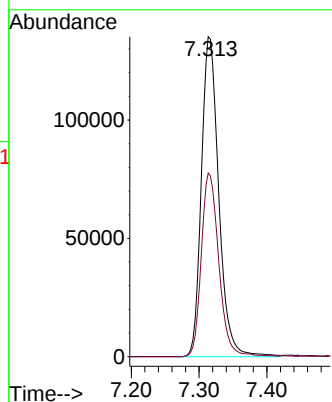
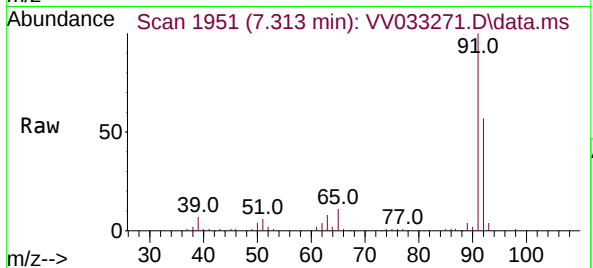
VSTD005218

Tgt Ion: 91 Resp: 240953

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 4.907 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV033271.D

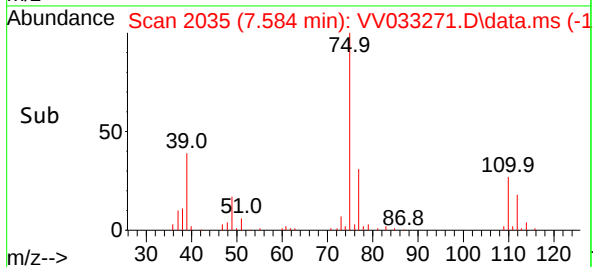
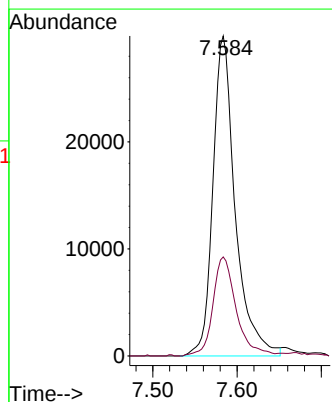
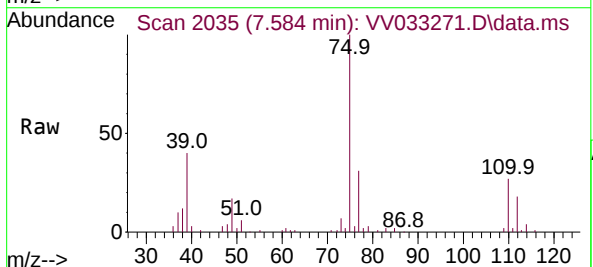
Acq: 13 Dec 2023 11:07

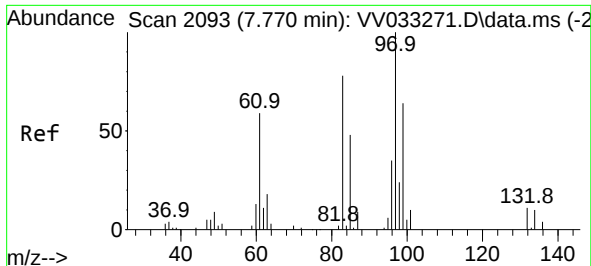
Tgt Ion: 75 Resp: 55058

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3



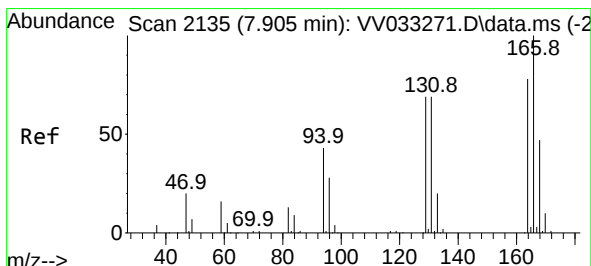
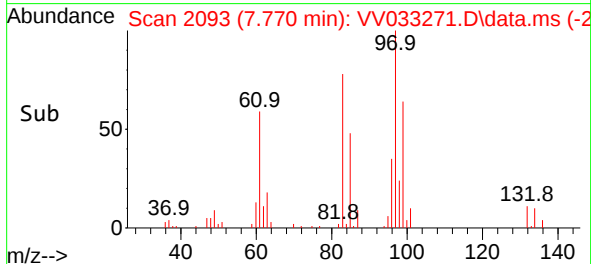
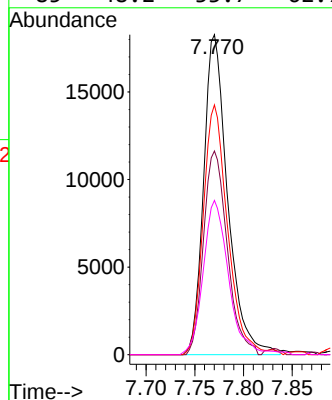
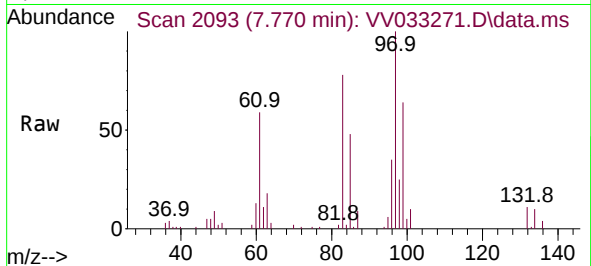


#45
1,1,2-Trichloroethane
Concen: 4.443 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

Tgt Ion: 97 Resp: 31441

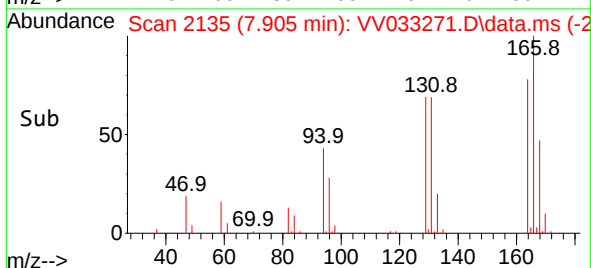
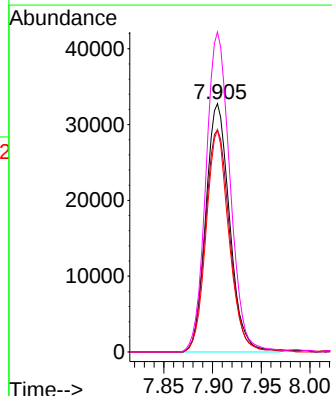
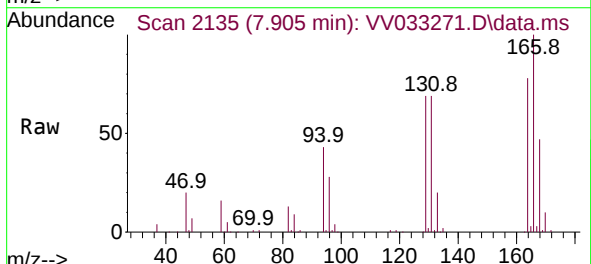
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.5	82.7
83	78.1	54.7	101.5
85	48.2	33.7	62.7

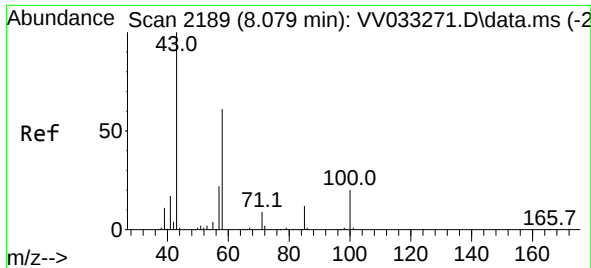


#47
Tetrachloroethene
Concen: 5.697 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion: 164 Resp: 55812

Ion	Ratio	Lower	Upper
164	100		
129	89.5	62.6	116.3
131	89.5	62.6	116.3
166	128.9	90.2	167.6



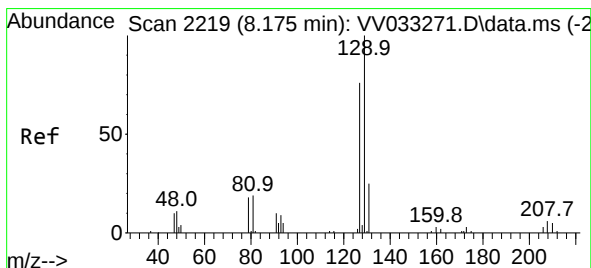
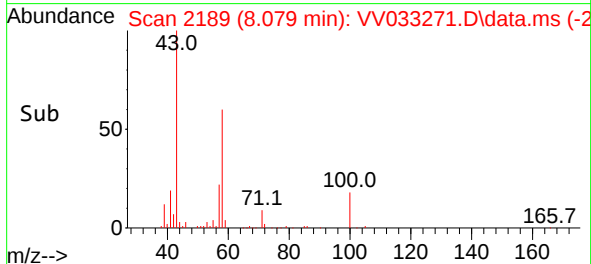
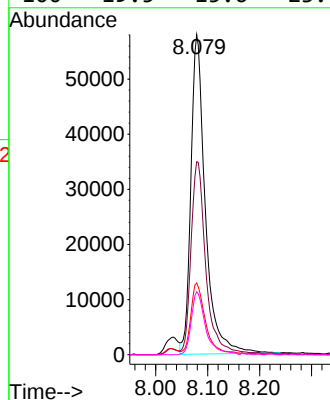
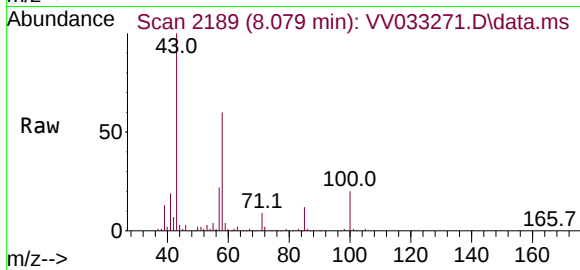


#48
2-Hexanone
Concen: 39.901 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

Tgt Ion: 43 Resp: 111904

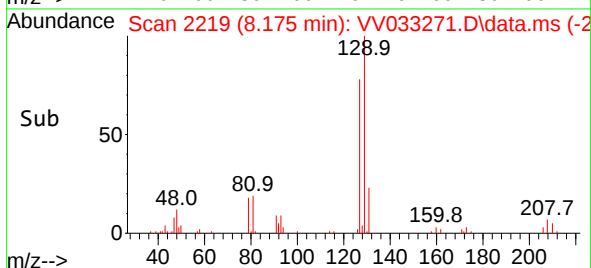
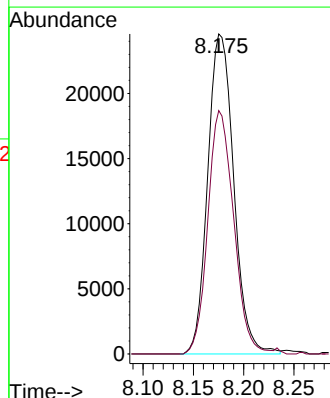
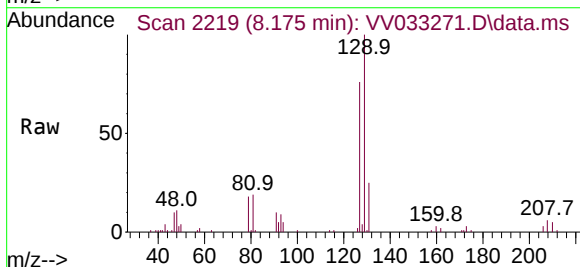
Ion	Ratio	Lower	Upper
43	100		
58	60.7	48.6	72.8
57	22.6	18.1	27.1
100	19.5	15.6	23.4

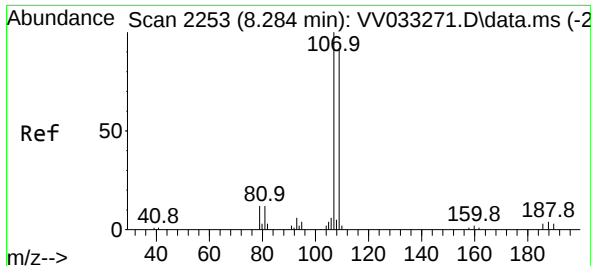


#49
Dibromochloromethane
Concen: 5.031 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion: 129 Resp: 44244

Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.2	98.8

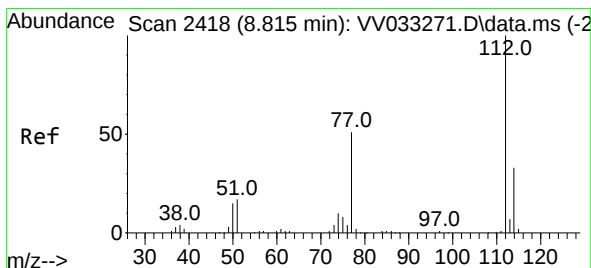
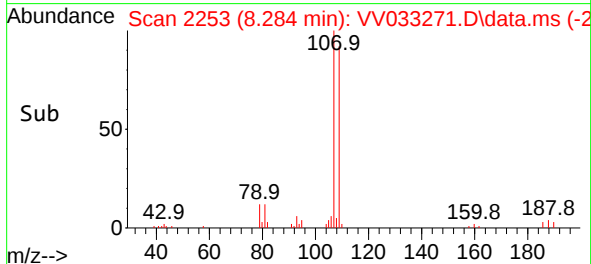
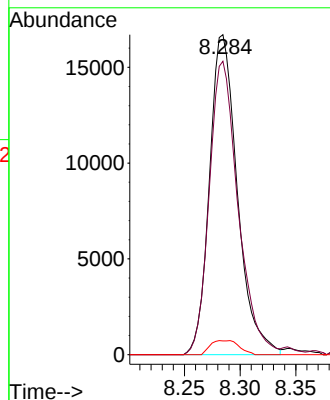
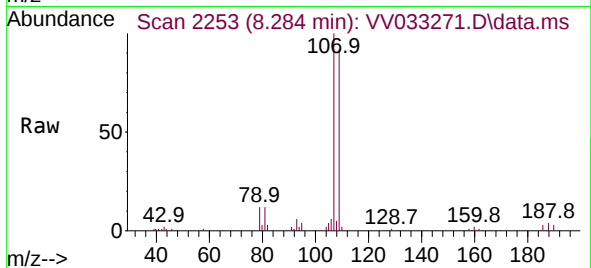




#50
1,2-Dibromoethane
Concen: 4.318 ug/L
RT: 8.284 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

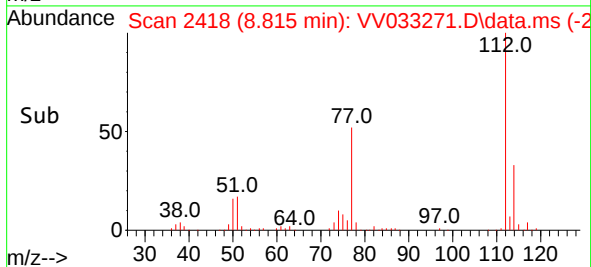
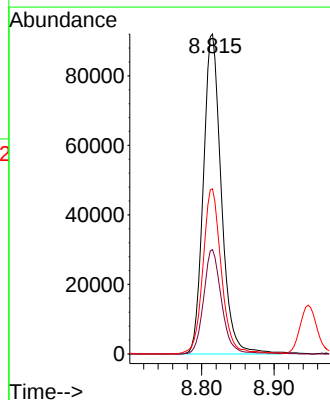
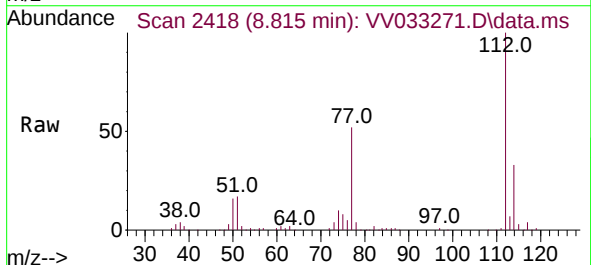
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

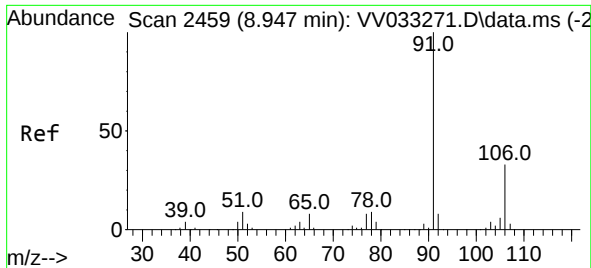
Tgt Ion:107 Resp: 29155
Ion Ratio Lower Upper
107 100
109 91.7 64.2 119.2
188 4.3 3.4 5.2



#51
Chlorobenzene
Concen: 5.250 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion:112 Resp: 158413
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 51.6 41.3 61.9

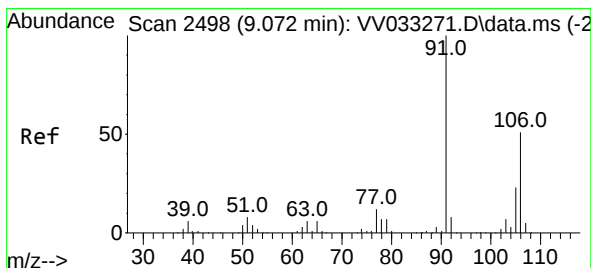
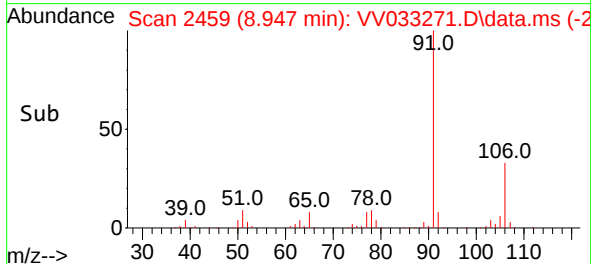
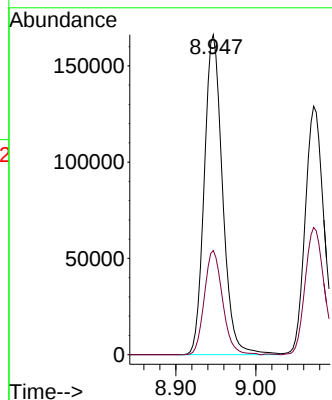
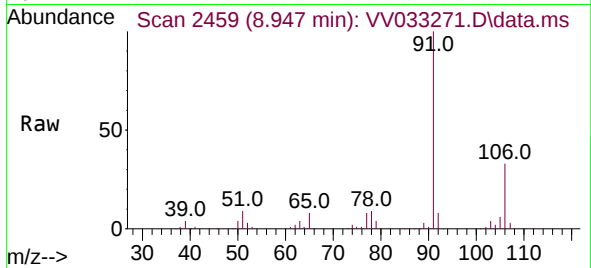




#52
Ethylbenzene
Concen: 5.598 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

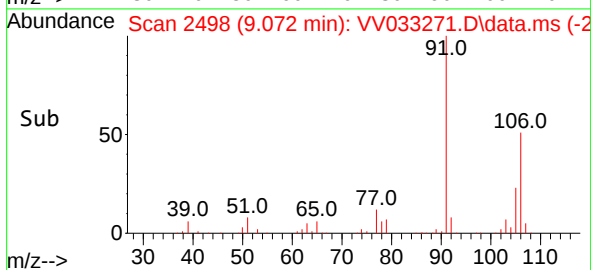
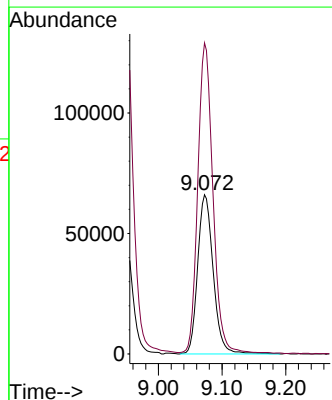
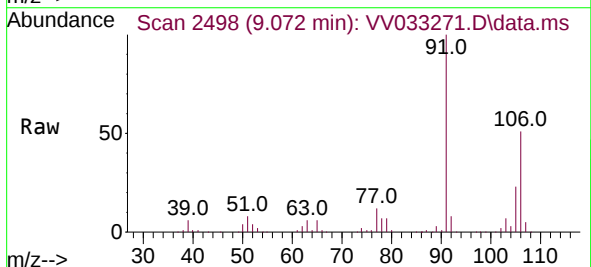
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

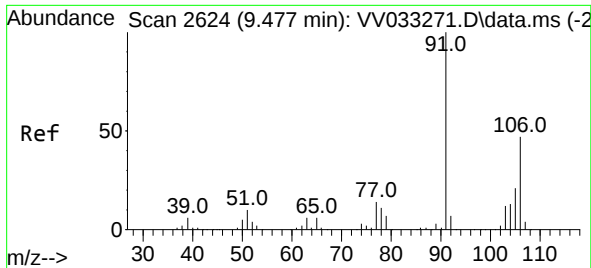
Tgt Ion: 91 Resp: 264654
Ion Ratio Lower Upper
91 100
106 32.5 22.7 42.3



#53
m,p-Xylene
Concen: 6.014 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion: 106 Resp: 112132
Ion Ratio Lower Upper
106 100
91 195.4 136.8 254.0

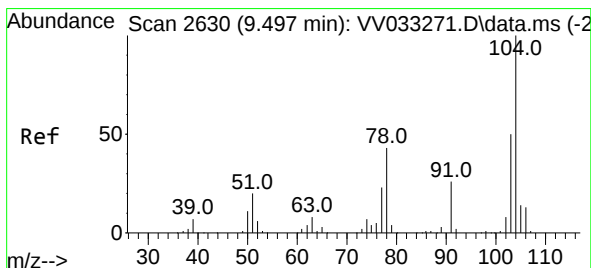
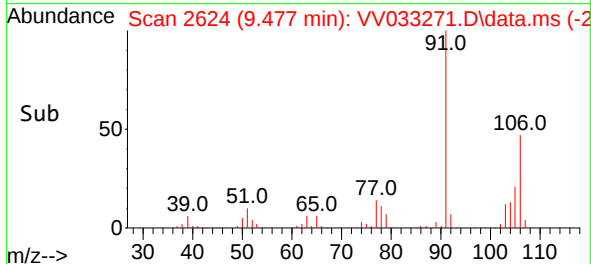
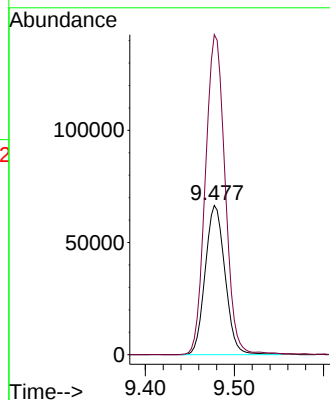
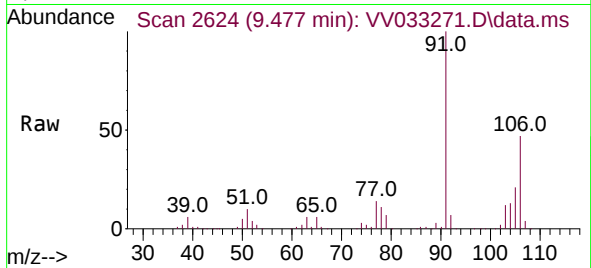




#54
o-Xylene
Concen: 5.855 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

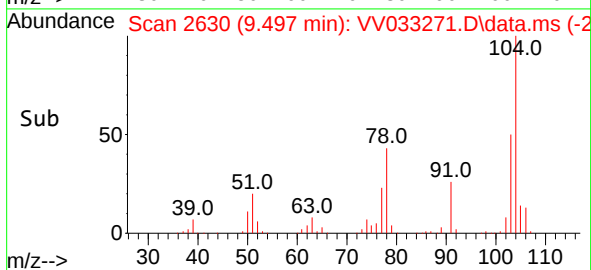
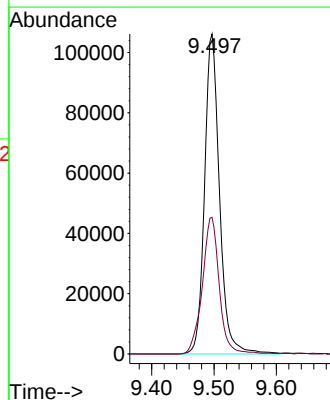
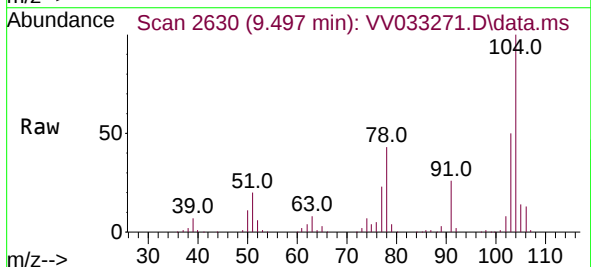
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

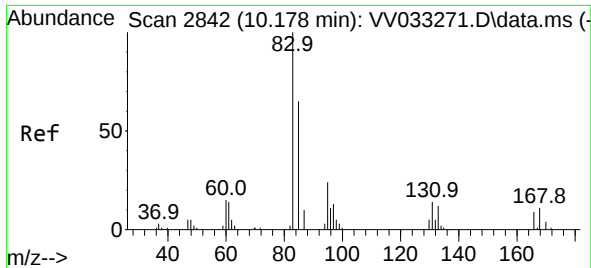
Tgt Ion:106 Resp: 102993
Ion Ratio Lower Upper
106 100
91 214.2 149.9 278.5



#55
Styrene
Concen: 5.890 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion:104 Resp: 177200
Ion Ratio Lower Upper
104 100
78 42.7 29.9 55.5

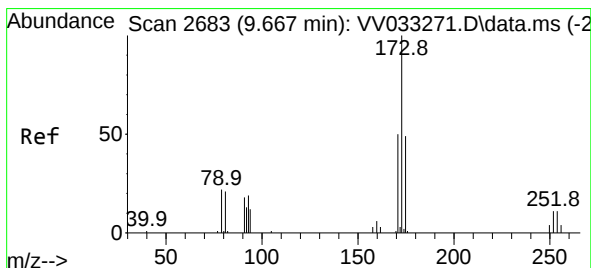
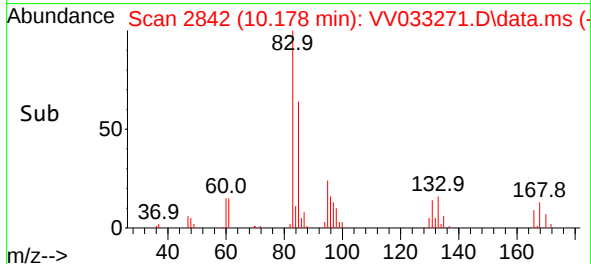
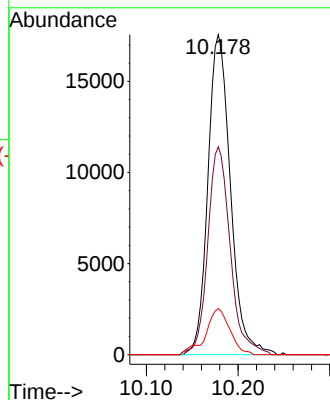
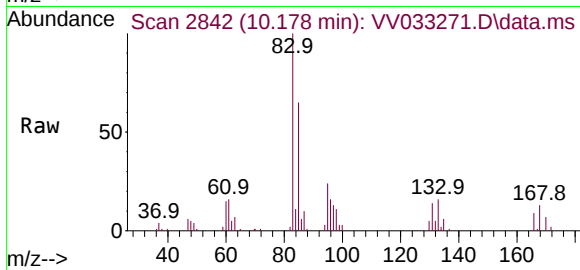




#57
1,1,2,2-Tetrachloroethane
Concen: 3.880 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

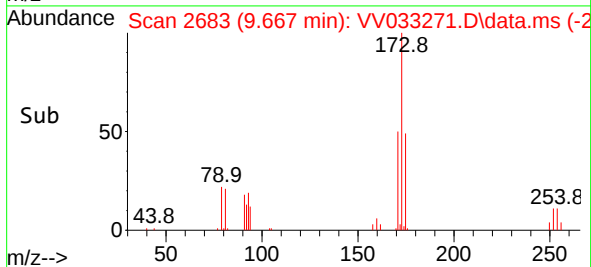
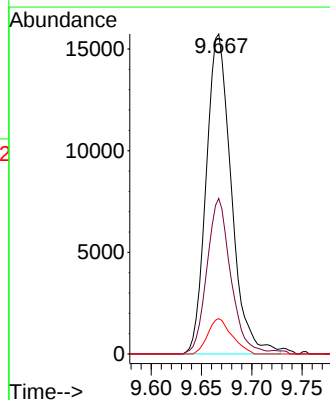
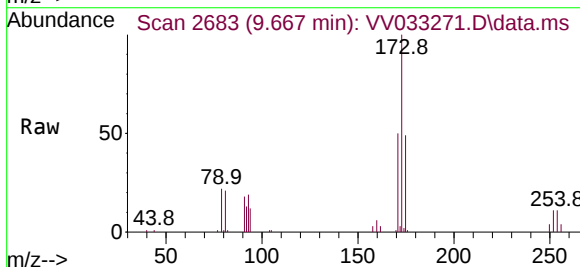
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

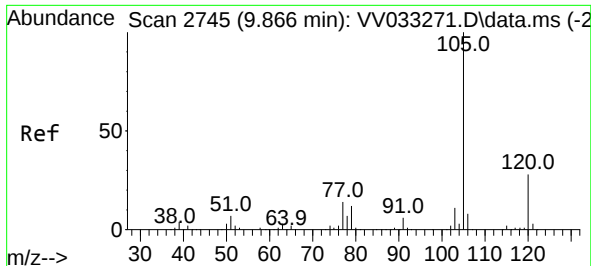
Tgt Ion:	83	Resp:	29981
Ion	Ratio	Lower	Upper
83	100		
85	64.9	45.4	84.4
131	14.4	11.5	17.3



#59
Bromoform
Concen: 5.323 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion:	173	Resp:	27327
Ion	Ratio	Lower	Upper
173	100		
175	46.2	37.0	55.4
254	10.6	8.5	12.7

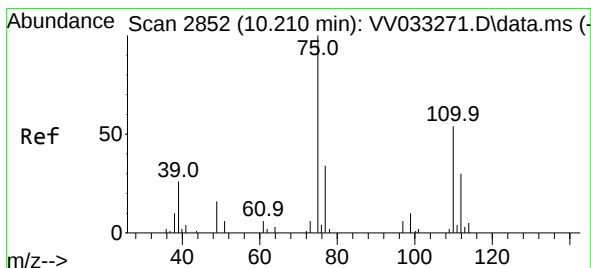
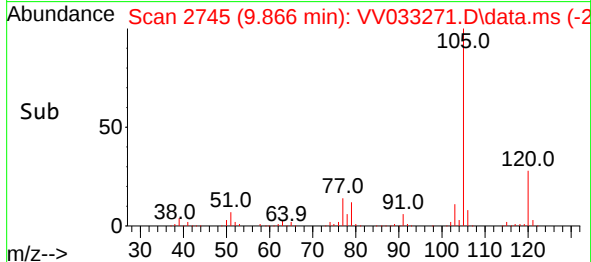
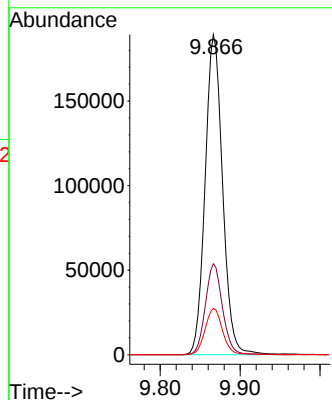
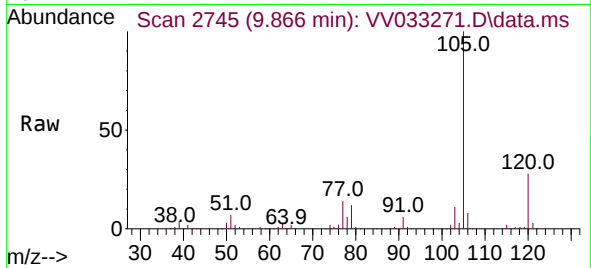




#60
Isopropylbenzene
Concen: 5.648 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

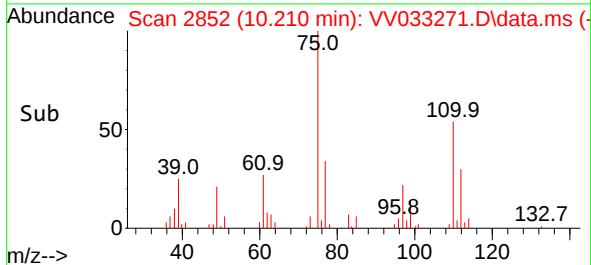
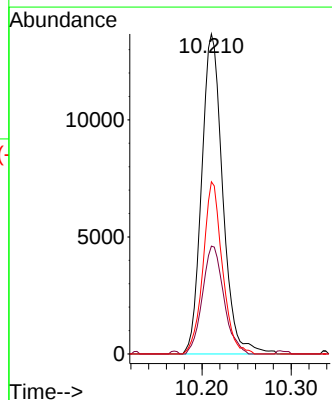
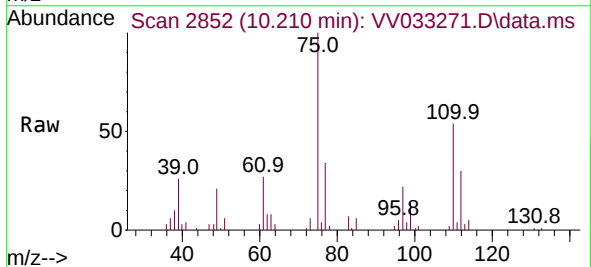
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

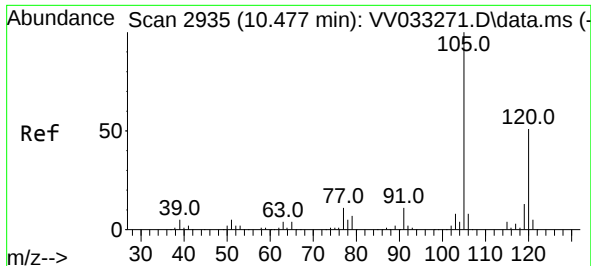
Tgt Ion:105 Resp: 287831
Ion Ratio Lower Upper
105 100
120 27.8 22.2 33.4
77 14.5 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 4.011 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion: 75 Resp: 22429
Ion Ratio Lower Upper
75 100
77 34.3 27.4 41.2
110 49.3 39.4 59.2

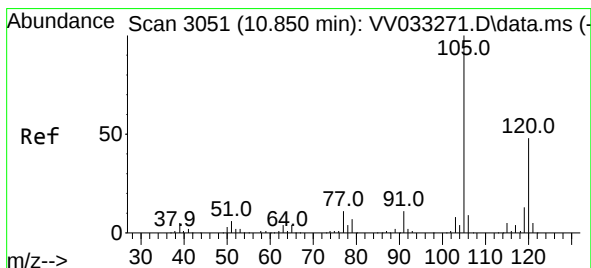
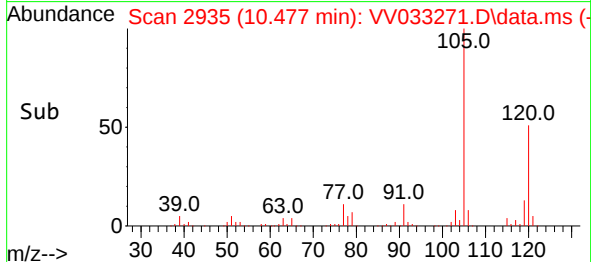
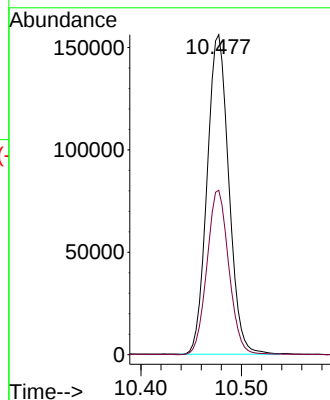
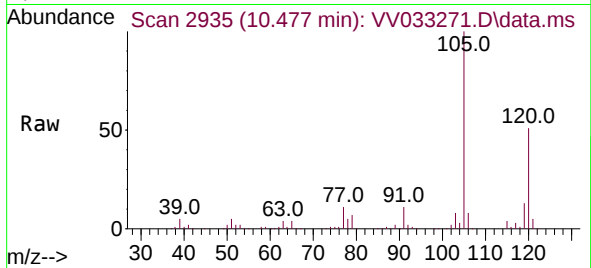




#62
 1,3,5-Trimethylbenzene
 Concen: 5.773 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. 0.000 min
 Lab File: VV033271.D
 Acq: 13 Dec 2023 11:07

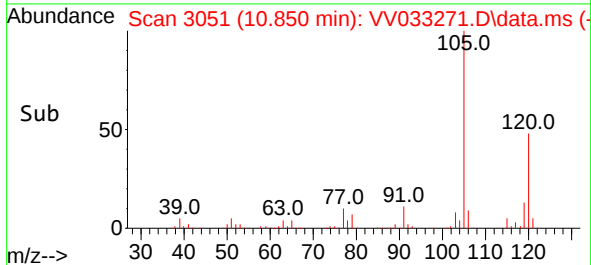
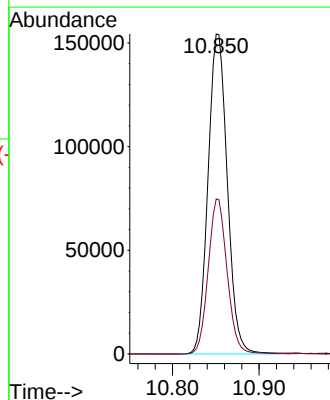
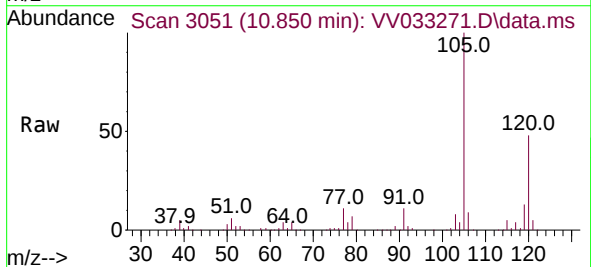
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005218

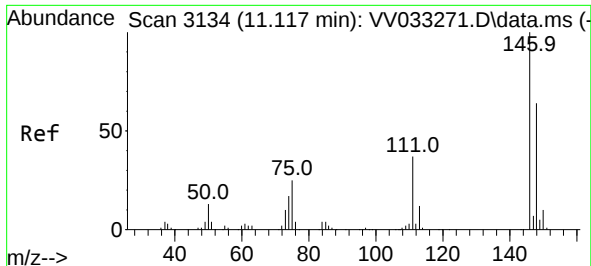
Tgt Ion:105 Resp: 234273
 Ion Ratio Lower Upper
 105 100
 120 52.1 41.7 62.5



#63
 1,2,4-Trimethylbenzene
 Concen: 5.859 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.000 min
 Lab File: VV033271.D
 Acq: 13 Dec 2023 11:07

Tgt Ion:105 Resp: 238081
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.1 57.1

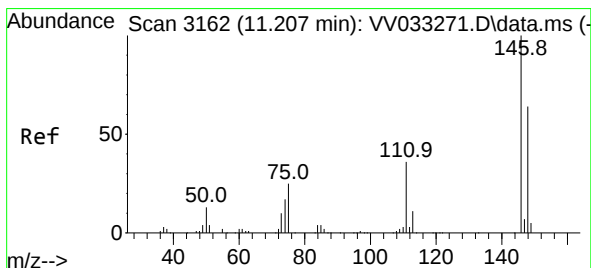
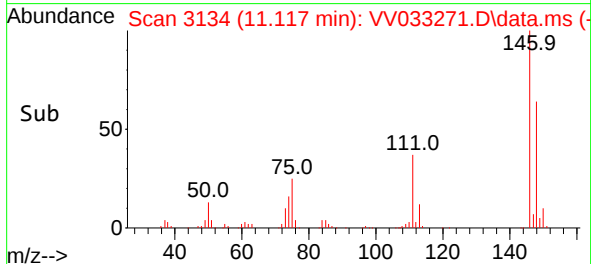
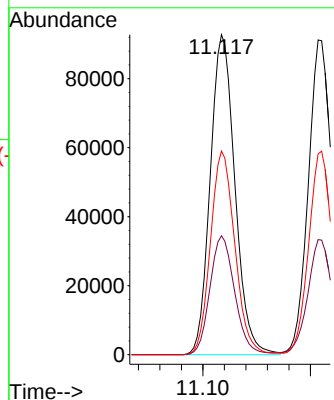
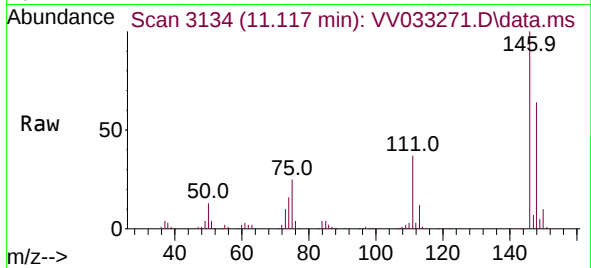




#64
1,3-Dichlorobenzene
Concen: 5.482 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

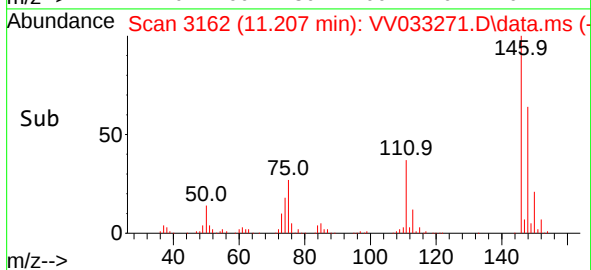
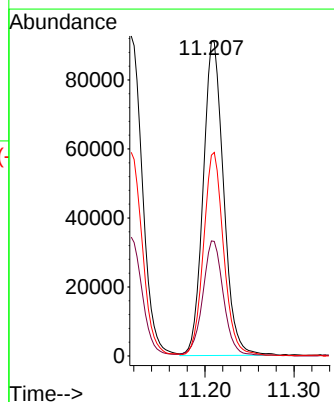
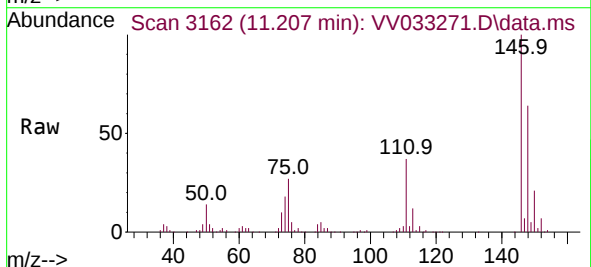
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

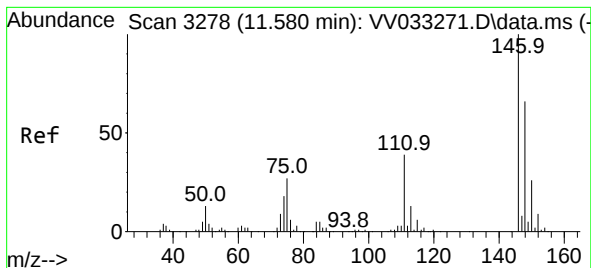
Tgt Ion:146 Resp: 147986
Ion Ratio Lower Upper
146 100
111 37.1 26.0 48.2
148 63.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.286 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion:146 Resp: 145194
Ion Ratio Lower Upper
146 100
111 36.5 25.6 47.4
148 63.8 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 5.203 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005218

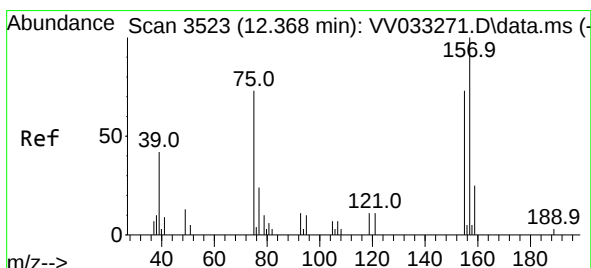
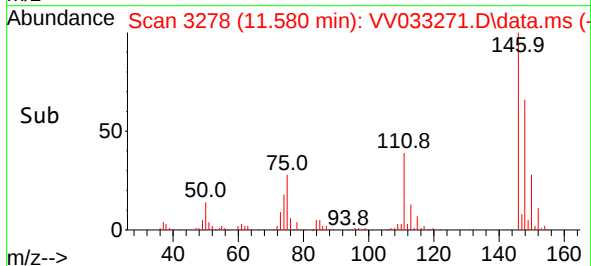
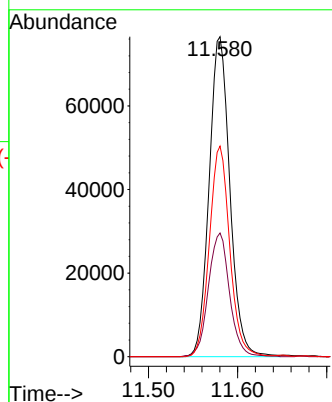
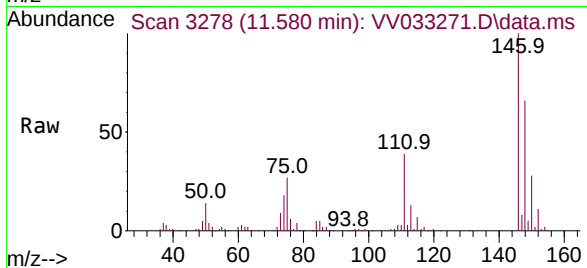
Tgt Ion:146 Resp: 123827

Ion Ratio Lower Upper

146 100

111 38.7 31.0 46.4

148 65.8 52.6 79.0



#68

1,2-Dibromo-3-chloropropane

Concen: 3.758 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

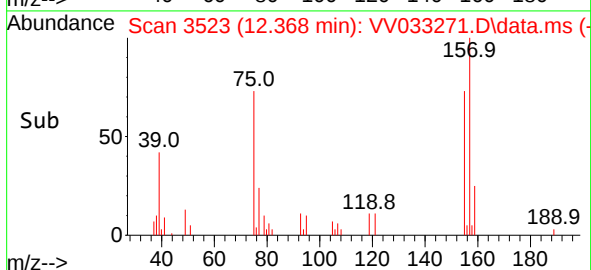
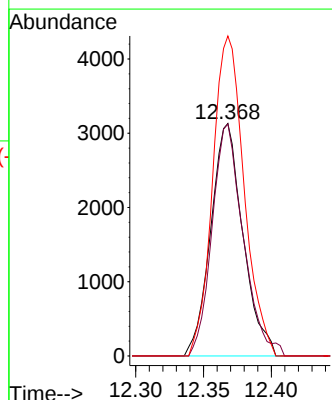
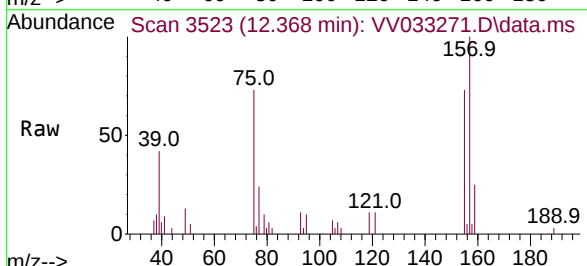
Tgt Ion: 75 Resp: 5165

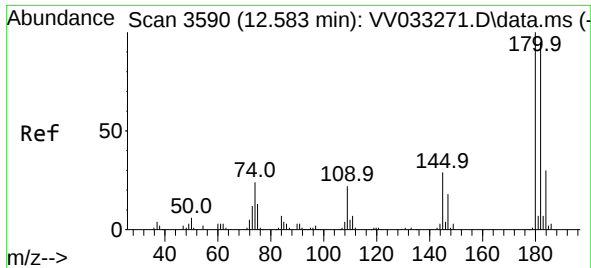
Ion Ratio Lower Upper

75 100

155 99.8 79.8 119.8

157 137.7 110.2 165.2

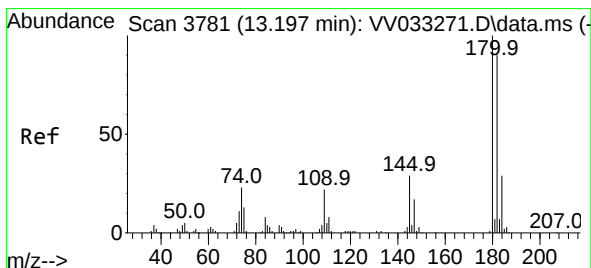
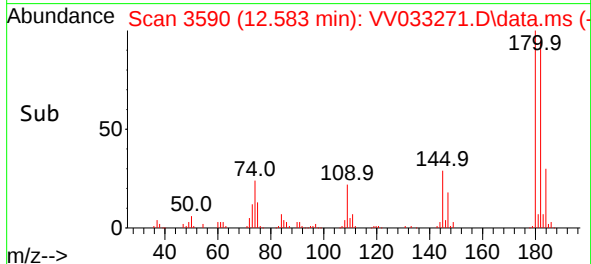
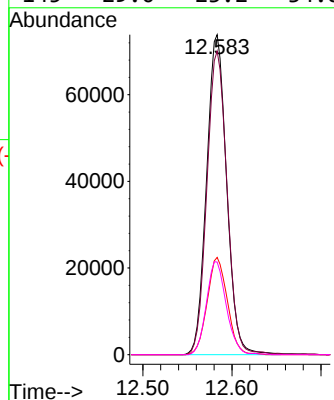
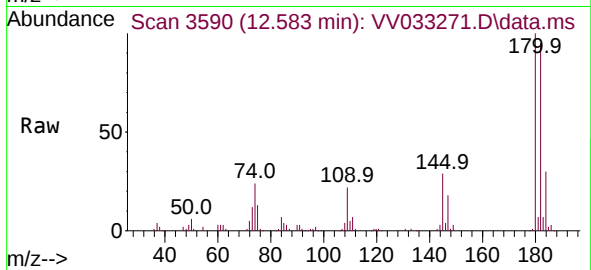




#69
1,3,5-Trichlorobenzene
Concen: 5.635 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

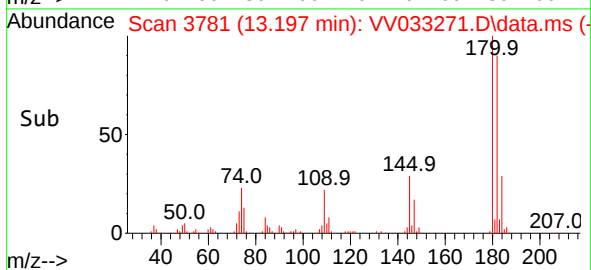
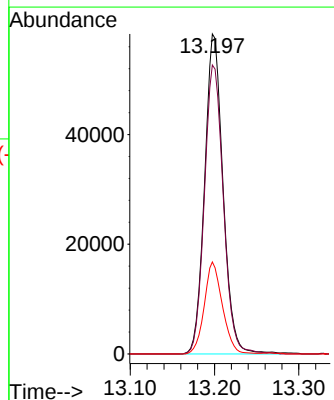
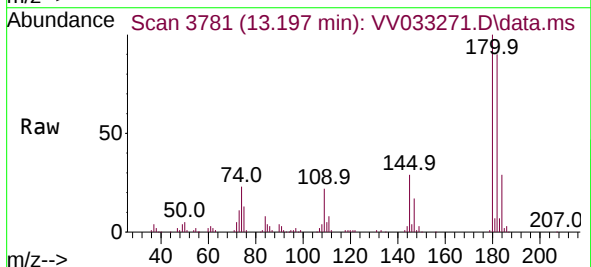
Instrument :
MSVOA_V
ClientSampleId :
VSTD005218

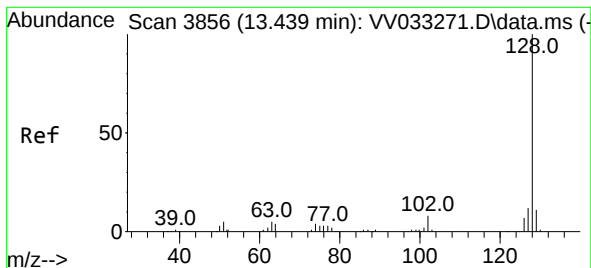
Tgt Ion:	180	Resp:	115329
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.1	114.1
184	30.6	24.5	36.7
145	29.0	23.2	34.8



#70
1,2,4-trichlorobenzene
Concen: 5.387 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. 0.000 min
Lab File: VV033271.D
Acq: 13 Dec 2023 11:07

Tgt Ion:	180	Resp:	89023
Ion Ratio	Lower	Upper	
180	100		
182	92.8	74.2	111.4
145	28.3	22.6	34.0





#71

Naphthalene

Concen: 4.372 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD005218

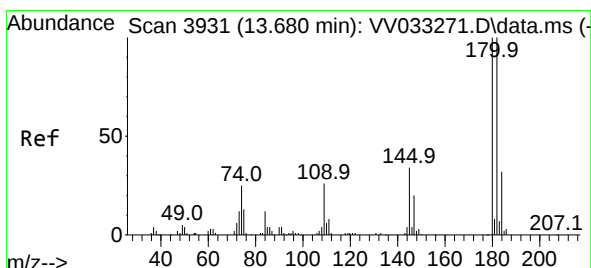
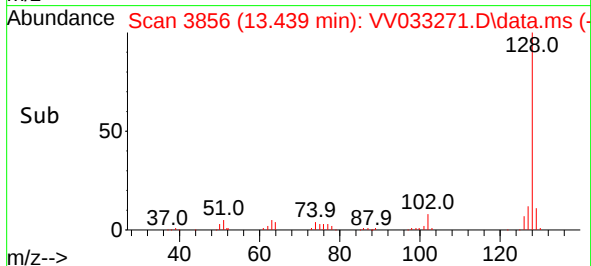
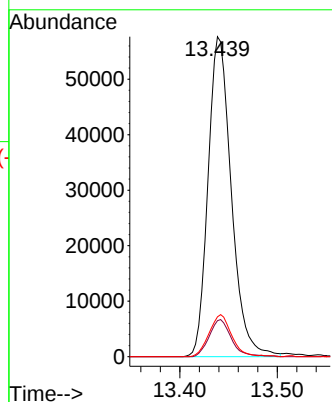
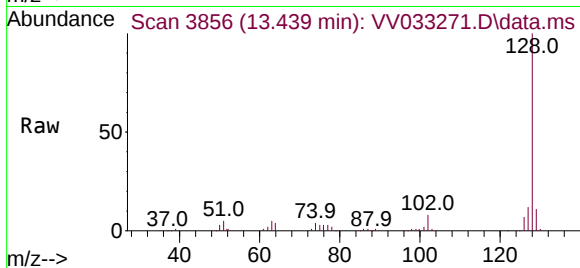
Tgt Ion:128 Resp: 95815

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.6 10.1 15.1



#72

1,2,3-Trichlorobenzene

Concen: 4.965 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033271.D

Acq: 13 Dec 2023 11:07

Tgt Ion:180 Resp: 69589

Ion Ratio Lower Upper

180 100

182 98.5 78.8 118.2

145 33.3 26.6 40.0

