

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091422\
 Data File : VW027818.D
 Acq On : 14 Sep 2022 10:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005288

Quant Time: Sep 15 02:19:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR090622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 07 06:13:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.638	114	138154	5.000	ug/L	0.05
28) Chlorobenzene-d5	8.866	117	132272	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	76625	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	44246	4.859	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	97.200%	
7) Chloroethane-d5	1.577	69	43209	5.593	ug/L	0.02
Spiked Amount	5.000	Range 65 - 130	Recovery	=	111.800%	
11) 1,1-Dichloroethene-d2	2.150	63	96194	4.978	ug/L	0.05
Spiked Amount	5.000	Range 60 - 125	Recovery	=	99.600%	
20) 2-Butanone-d5	4.021	46	102389	50.733	ug/L	0.08
Spiked Amount	50.000	Range 40 - 130	Recovery	=	101.460%	
24) Chloroform-d	4.394	84	113313	6.077	ug/L	0.05
Spiked Amount	5.000	Range 70 - 125	Recovery	=	121.600%	
26) 1,2-Dichloroethane-d4	5.063	65	61413	6.185	ug/L	0.04
Spiked Amount	5.000	Range 70 - 130	Recovery	=	123.600%	
32) Benzene-d6	5.066	84	215828	5.624	ug/L	0.04
Spiked Amount	5.000	Range 70 - 125	Recovery	=	112.400%	
36) 1,2-Dichloropropane-d6	6.130	67	54935	4.890	ug/L	0.08
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.800%	
41) Toluene-d8	7.346	98	183549	5.688	ug/L	0.02
Spiked Amount	5.000	Range 70 - 130	Recovery	=	113.800%	
43) trans-1,3-Dichloroprop...	7.651	79	18832	4.996	ug/L	0.02
Spiked Amount	5.000	Range 55 - 130	Recovery	=	100.000%	
46) 2-Hexanone-d5	8.120	63	71092	50.742	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.480%	
56) 1,1,2,2-Tetrachloroeth...	10.220	84	40423	5.603	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	112.000%	
66) 1,2-Dichlorobenzene-d4	11.625	152	63958	5.081	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	101.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	74290	5.478	ug/L	99
3) Chloromethane	1.233	50	55867	4.524	ug/L	96
5) Vinyl chloride	1.304	62	62476	5.023	ug/L	99
6) Bromomethane	1.529	94	33579	5.012	ug/L	95
8) Chloroethane	1.597	64	39091	5.473	ug/L	100
9) Trichlorofluoromethane	1.780	101	112497	5.582	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.159	101	53443	5.440	ug/L	95
12) 1,1-Dichloroethene	2.163	96	48988	5.350	ug/L	81
13) Acetone	2.288	43	64877	43.143	ug/L	93
14) Carbon disulfide	2.330	76	119036	4.378	ug/L	98
15) Methyl Acetate	2.497	43	15361	3.851	ug/L #	77
16) Methylene chloride	2.542	84	54152	4.593	ug/L	89
17) Methyl tert-butyl Ether	2.825	73	124073	5.709	ug/L	98
18) trans-1,2-Dichloroethene	2.789	96	51271	5.302	ug/L	93
19) 1,1-Dichloroethane	3.227	63	94224	5.193	ug/L	99
21) 2-Butanone	4.108	43	108607	51.165	ug/L	96
22) cis-1,2-Dichloroethene	3.953	96	59364	5.633	ug/L #	89
23) Bromochloromethane	4.291	128	25783	5.826	ug/L #	79
25) Chloroform	4.420	83	110221	5.475	ug/L	98

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005288

Quant Time: Sep 15 02:19:42 2022
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 07 06:13:02 2022
 Response via : Initial Calibration

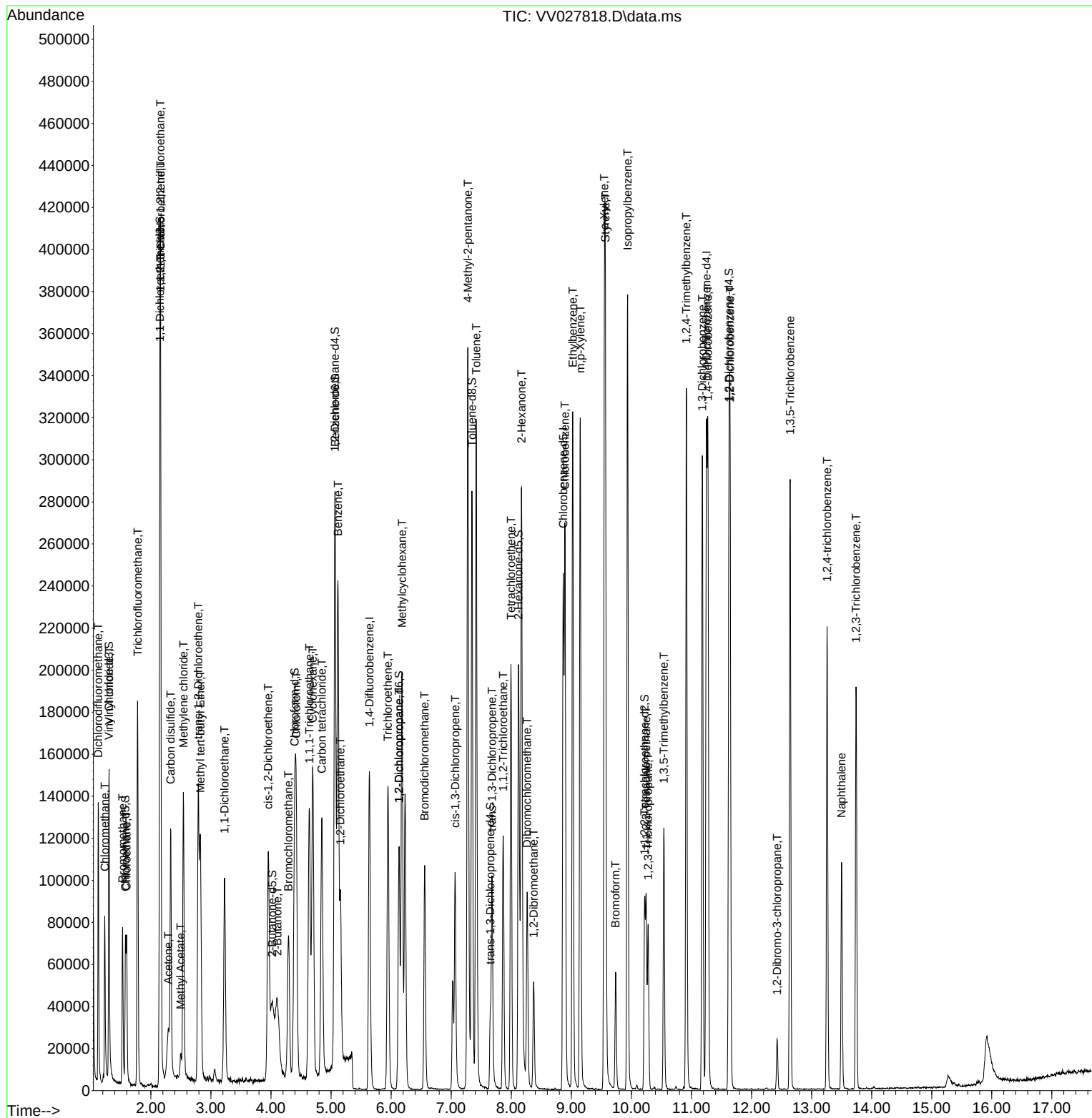
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.156	62	74698	6.120	ug/L	99
29) 1,1,1-Trichloroethane	4.638	97	104265	5.125	ug/L	99
30) Cyclohexane	4.696	56	75325	4.506	ug/L	92
31) Carbon tetrachloride	4.847	117	90702	5.247	ug/L	99
33) Benzene	5.114	78	224482	5.138	ug/L	100
34) Trichloroethene	5.947	95	52507	4.802	ug/L	95
35) Methylcyclohexane	6.182	83	73738	4.391	ug/L	96
37) 1,2-Dichloropropane	6.130	63	7149	0.690	ug/L #	85
38) Bromodichloromethane	6.558	83	69873	5.083	ug/L	99
39) cis-1,3-Dichloropropene	7.066	75	62561	4.780	ug/L	97
40) 4-Methyl-2-pentanone	7.278	43	235029	50.021	ug/L	98
42) Toluene	7.416	91	229189	5.416	ug/L	99
44) trans-1,3-Dichloropropene	7.680	75	56034	5.101	ug/L	99
45) 1,1,2-Trichloroethane	7.866	97	37080	5.520	ug/L	96
47) Tetrachloroethene	7.995	164	45564	5.193	ug/L	94
48) 2-Hexanone	8.172	43	182309	53.370	ug/L	95
49) Dibromochloromethane	8.265	129	47142	5.528	ug/L	100
50) 1,2-Dibromoethane	8.374	107	33452	5.507	ug/L	99
51) Chlorobenzene	8.895	112	140386	5.112	ug/L	98
52) Ethylbenzene	9.024	91	221332	5.043	ug/L	100
53) m,p-Xylene	9.149	106	89678	5.195	ug/L	98
54) o-Xylene	9.551	106	85593	5.202	ug/L	98
55) Styrene	9.567	104	153455	5.393	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.246	83	39917	5.303	ug/L	100
59) Bromoform	9.738	173	24506	5.283	ug/L	99
60) Isopropylbenzene	9.937	105	235320	4.909	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	30716	5.062	ug/L	97
62) 1,3,5-Trimethylbenzene	10.542	105	64163	4.752	ug/L	97
63) 1,2,4-Trimethylbenzene	10.915	105	176327	4.594	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	123964	5.107	ug/L	96
65) 1,4-Dichlorobenzene	11.275	146	122632	5.013	ug/L	96
67) 1,2-Dichlorobenzene	11.644	146	110096	4.994	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.426	75	6200	4.760	ug/L	92
69) 1,3,5-Trichlorobenzene	12.644	180	92434	5.026	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	68340	4.700	ug/L	98
71) Naphthalene	13.500	128	86818	3.801	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	58807	4.539	ug/L	99

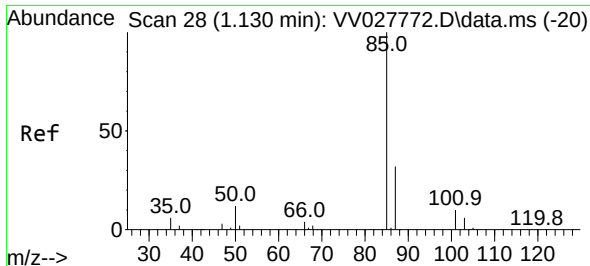
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 Data File : VV027818.D
 Acq On : 14 Sep 2022 10:33
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 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005288

Quant Time: Sep 15 02:19:42 2022
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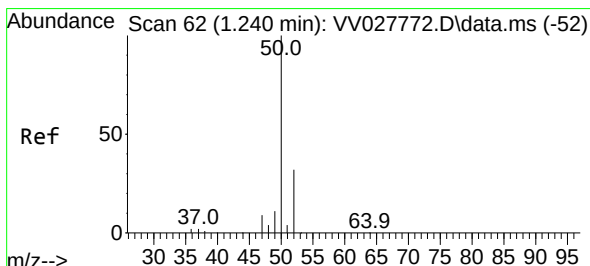
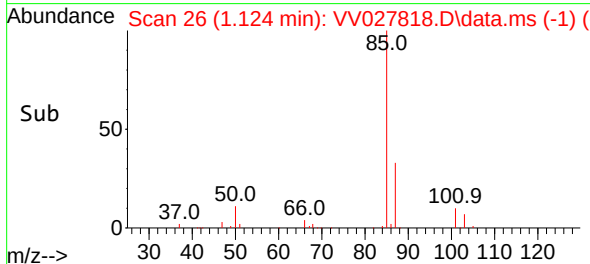
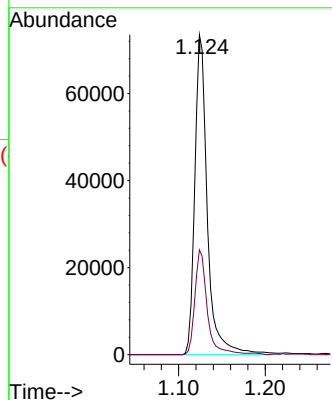
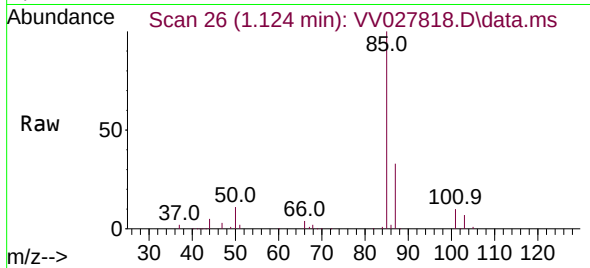




#2
 Dichlorodifluoromethane
 Concen: 5.478 ug/L
 RT: 1.124 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

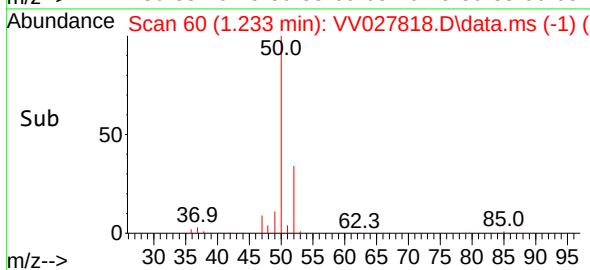
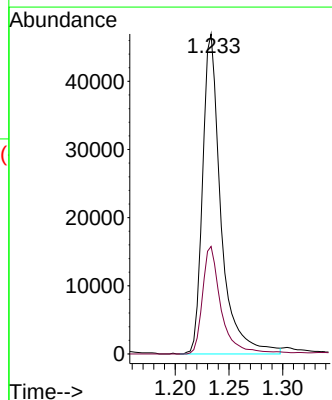
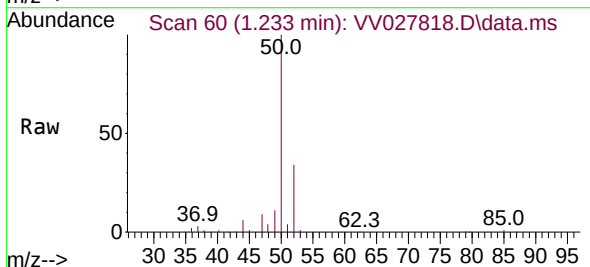
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 ClientSampleId :
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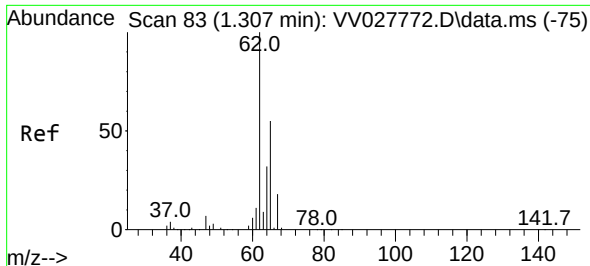
Tgt Ion: 85 Resp: 74290
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.4 38.0



#3
 Chloromethane
 Concen: 4.524 ug/L
 RT: 1.233 min Scan# 60
 Delta R.T. 0.003 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

Tgt Ion: 50 Resp: 55867
 Ion Ratio Lower Upper
 50 100
 52 33.6 22.1 41.1

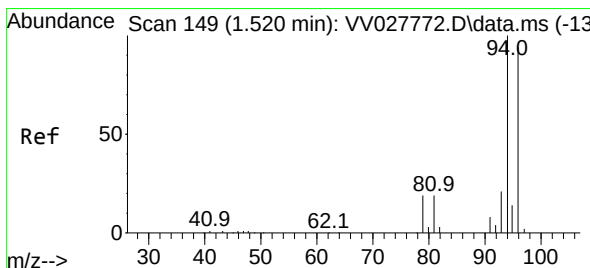
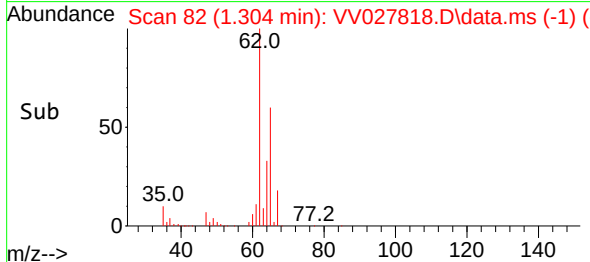
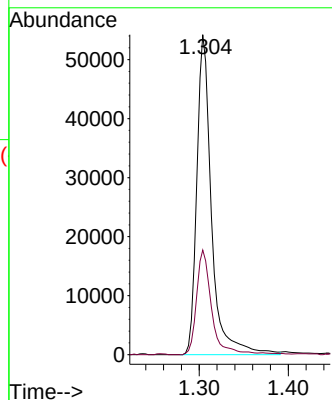
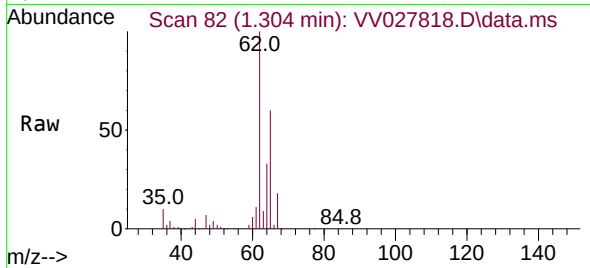




#5
 Vinyl chloride
 Concen: 5.023 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

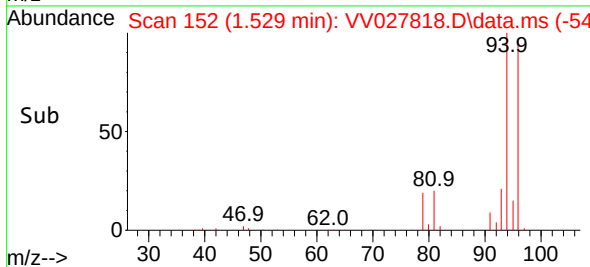
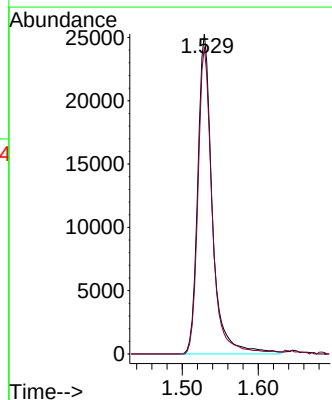
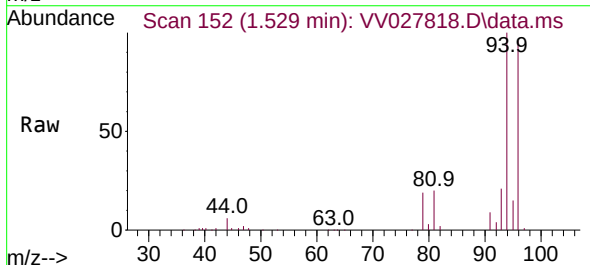
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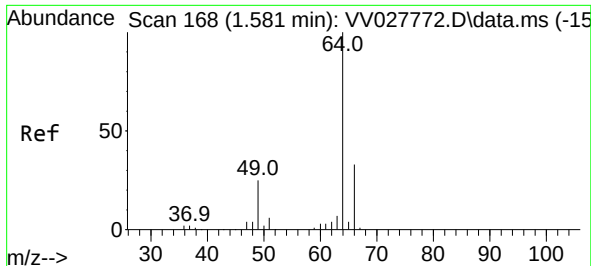
Tgt Ion: 62 Resp: 62476
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.2



#6
 Bromomethane
 Concen: 5.012 ug/L
 RT: 1.529 min Scan# 152
 Delta R.T. 0.016 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

Tgt Ion: 94 Resp: 33579
 Ion Ratio Lower Upper
 94 100
 96 96.0 64.2 119.2





#8

Chloroethane

Concen: 5.473 ug/L

RT: 1.597 min Scan# 11

Delta R.T. 0.019 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

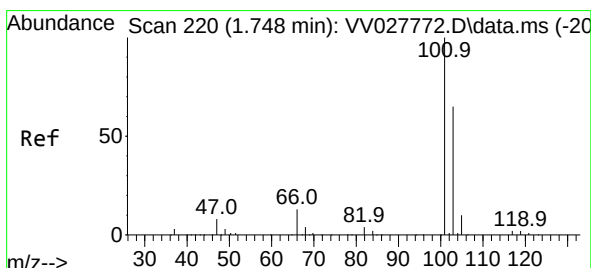
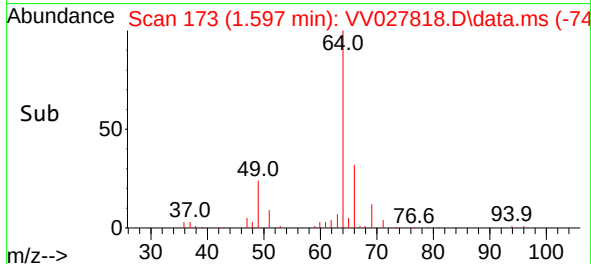
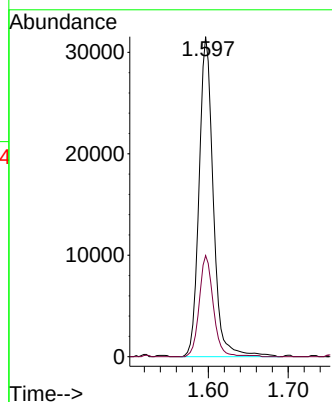
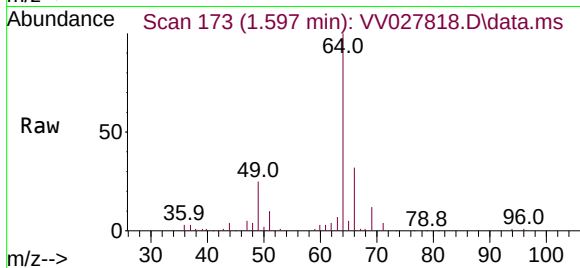
VSTD005288

Tgt Ion: 64 Resp: 39091

Ion Ratio Lower Upper

64 100

66 31.6 22.1 41.1



#9

Trichlorofluoromethane

Concen: 5.582 ug/L

RT: 1.780 min Scan# 230

Delta R.T. 0.039 min

Lab File: VV027818.D

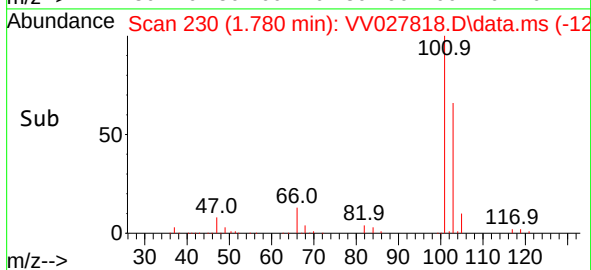
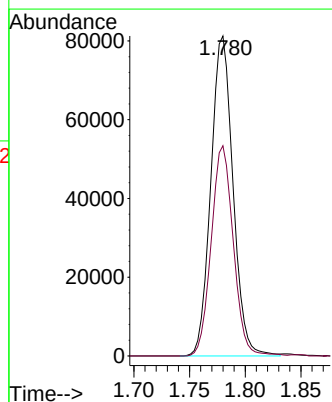
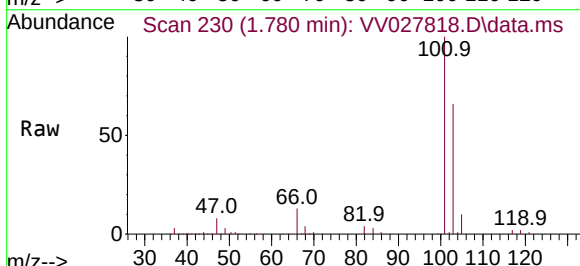
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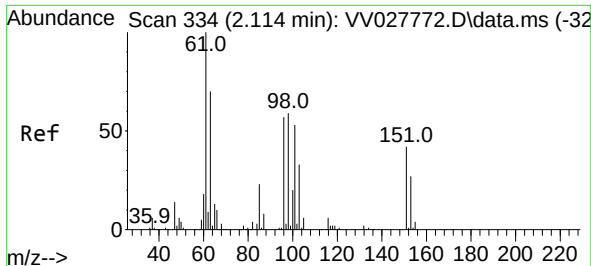
Tgt Ion:101 Resp: 112497

Ion Ratio Lower Upper

101 100

103 65.4 52.3 78.5

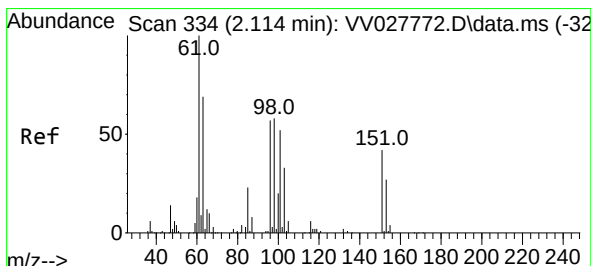
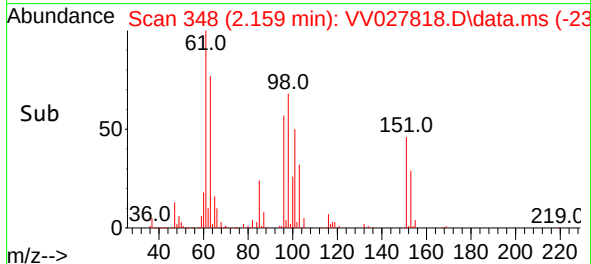
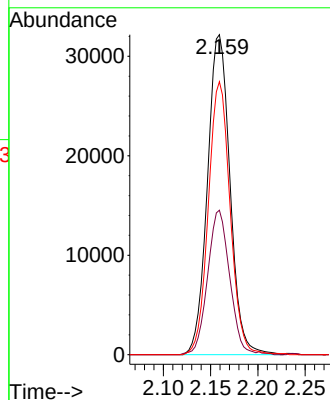
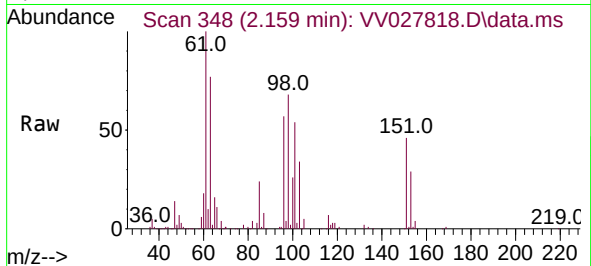




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.440 ug/L
 RT: 2.159 min Scan# 34
 Delta R.T. 0.055 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

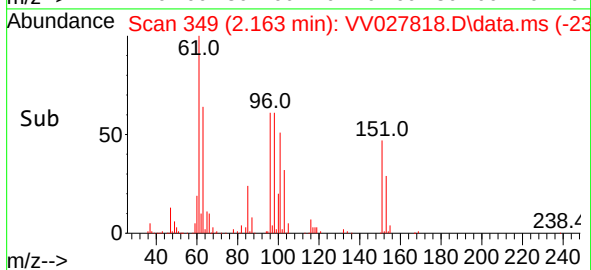
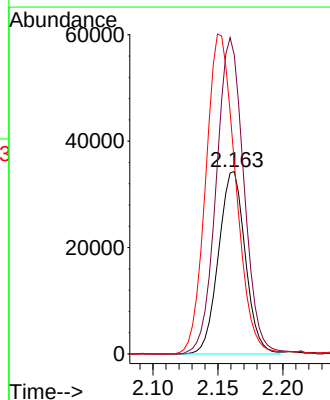
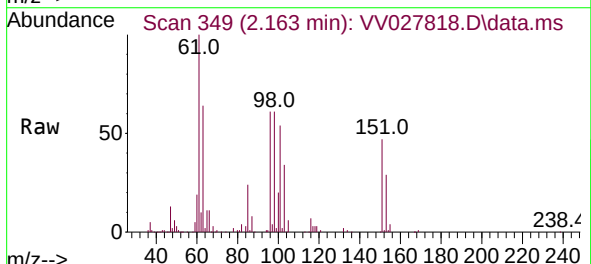
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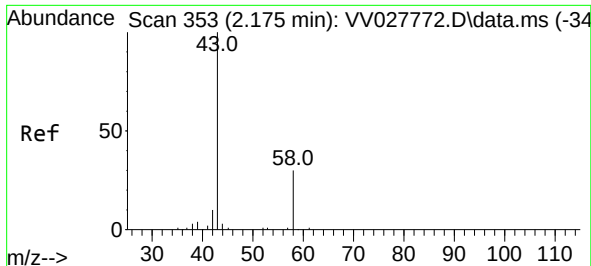
Tgt Ion:101 Resp: 53443
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.8 53.8
 151 82.6 61.2 91.8



#12
 1,1-Dichloroethene
 Concen: 5.350 ug/L
 RT: 2.163 min Scan# 349
 Delta R.T. 0.055 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

Tgt Ion: 96 Resp: 48988
 Ion Ratio Lower Upper
 96 100
 61 163.8 129.9 241.3
 63 105.0 94.6 175.8

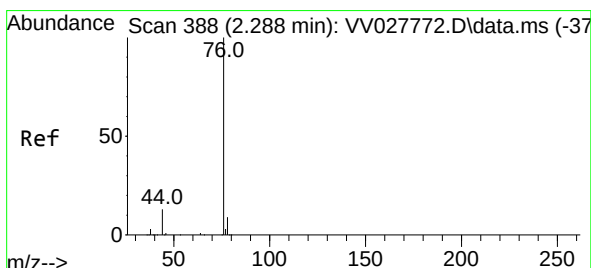
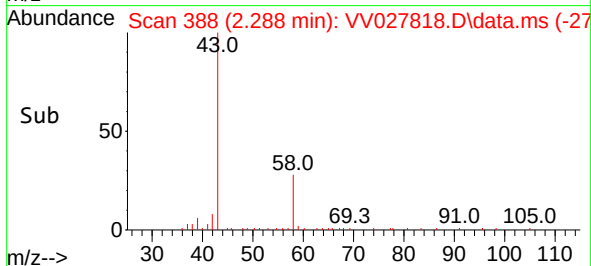
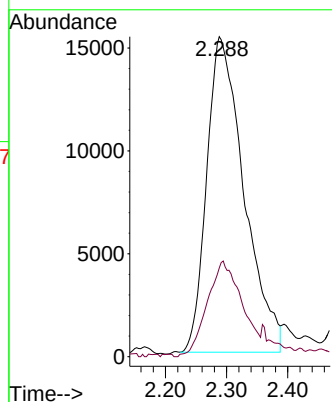
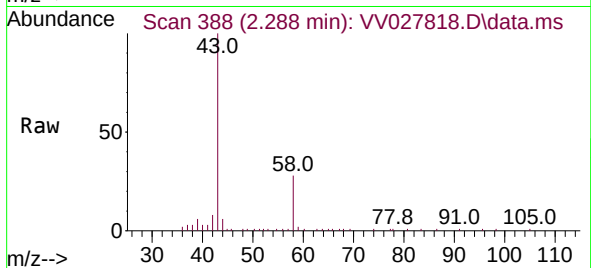




#13
Acetone
Concen: 43.143 ug/L
RT: 2.288 min Scan# 31
Delta R.T. 0.068 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

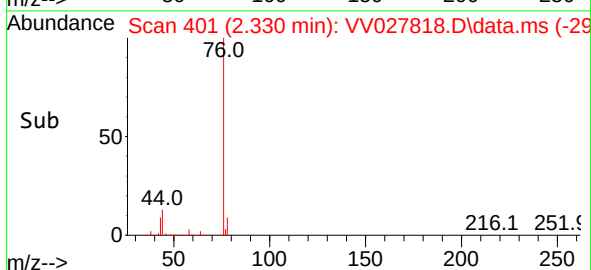
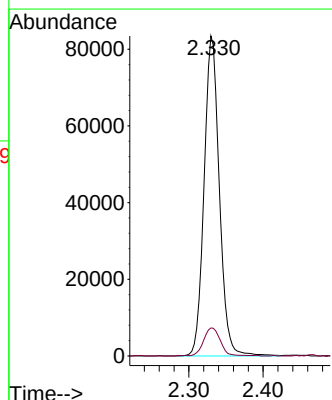
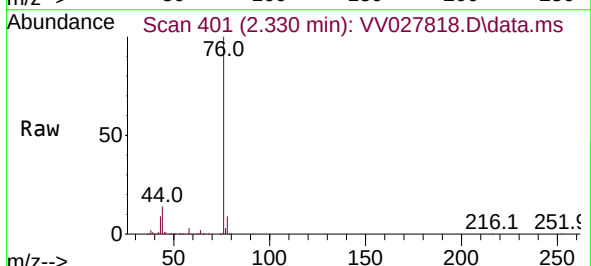
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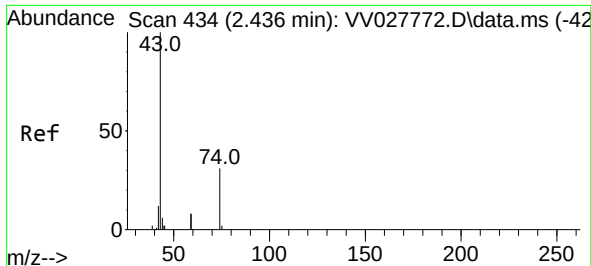
Tgt Ion: 43 Resp: 64877
Ion Ratio Lower Upper
43 100
58 28.4 0.0 49.4



#14
Carbon disulfide
Concen: 4.378 ug/L
RT: 2.330 min Scan# 401
Delta R.T. 0.048 min
Lab File: VV027818.D
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Tgt Ion: 76 Resp: 119036
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5

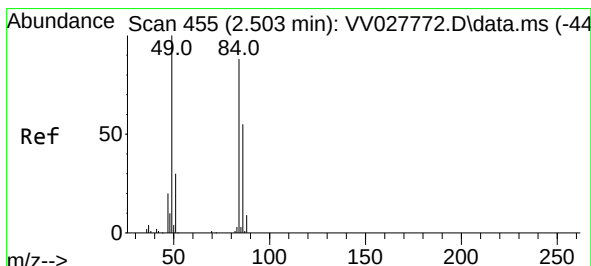
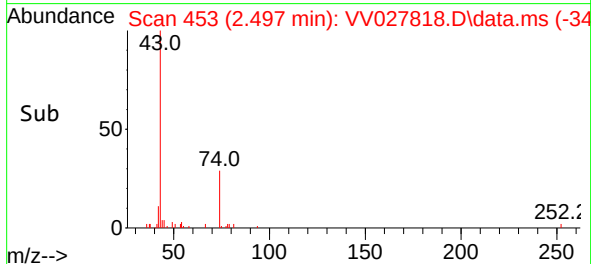
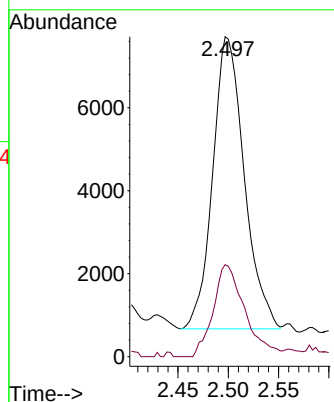
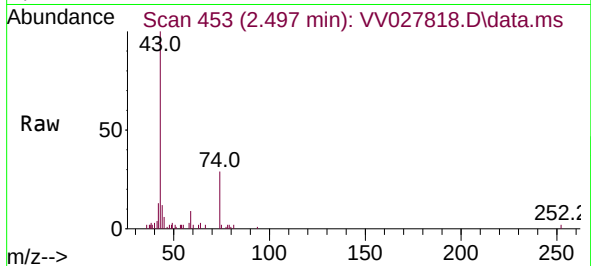




#15
Methyl Acetate
Concen: 3.851 ug/L
RT: 2.497 min Scan# 415
Delta R.T. 0.048 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

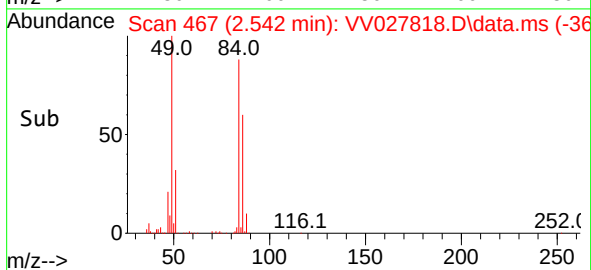
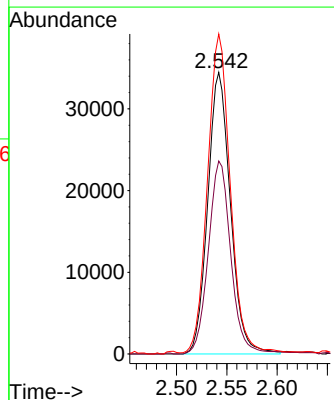
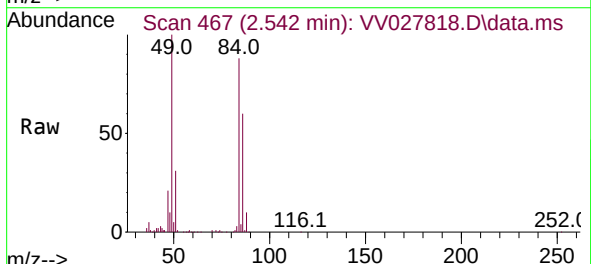
Instrument :
MSVOA_V
ClientSampleId :
VSTD005288

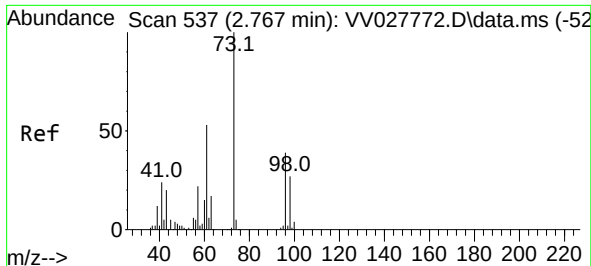
Tgt Ion: 43 Resp: 15361
Ion Ratio Lower Upper
43 100
74 31.5 16.6 25.0#



#16
Methylene chloride
Concen: 4.593 ug/L
RT: 2.542 min Scan# 467
Delta R.T. 0.045 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Tgt Ion: 84 Resp: 54152
Ion Ratio Lower Upper
84 100
86 68.5 44.9 83.3
49 113.6 90.1 167.3





#17

Methyl tert-butyl Ether

Concen: 5.709 ug/L

RT: 2.825 min Scan# 51

Delta R.T. 0.045 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005288

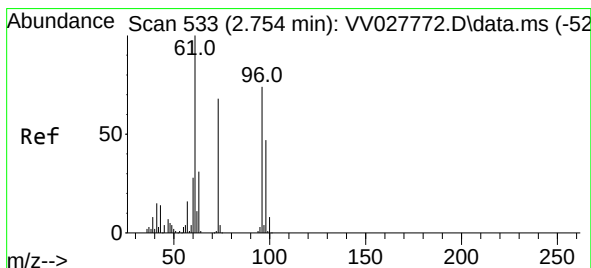
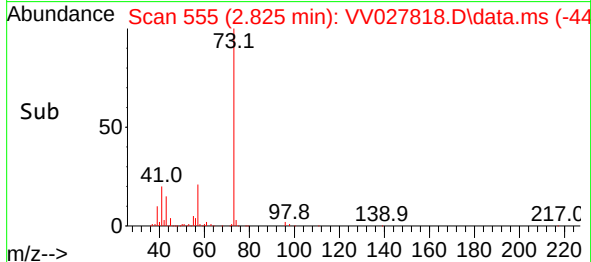
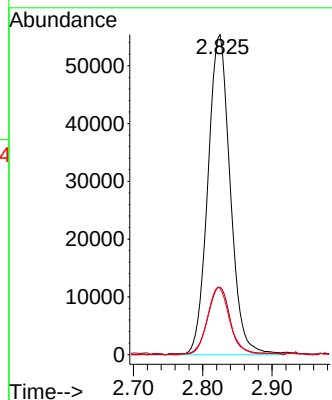
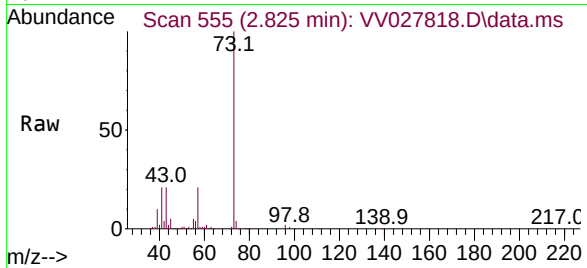
Tgt Ion: 73 Resp: 124073

Ion Ratio Lower Upper

73 100

43 20.4 17.5 26.3

57 21.0 16.9 25.3



#18

trans-1,2-Dichloroethene

Concen: 5.302 ug/L

RT: 2.789 min Scan# 544

Delta R.T. 0.039 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

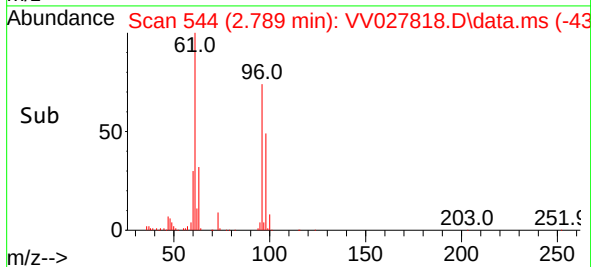
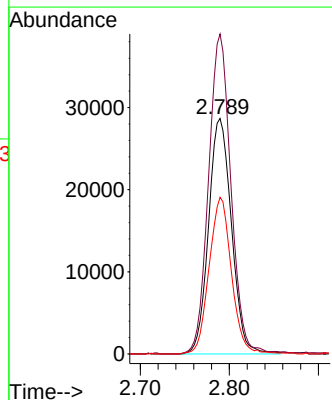
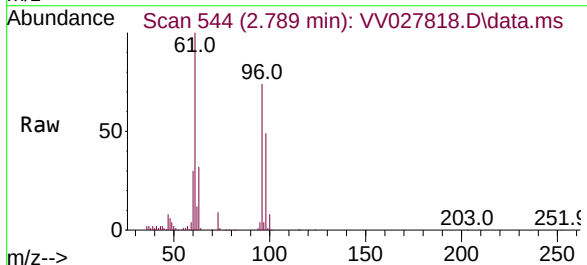
Tgt Ion: 96 Resp: 51271

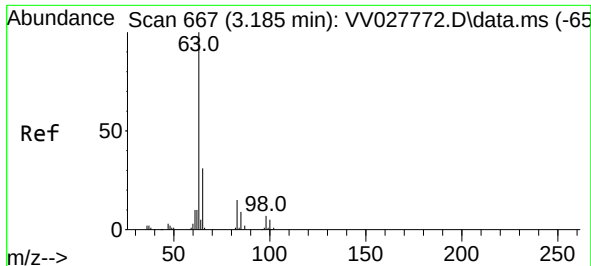
Ion Ratio Lower Upper

96 100

61 135.9 102.6 190.5

98 66.5 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.193 ug/L

RT: 3.227 min Scan# 61

Delta R.T. 0.045 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005288

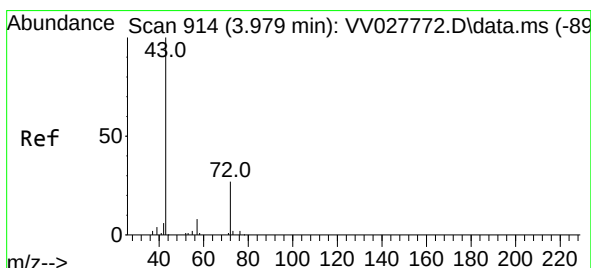
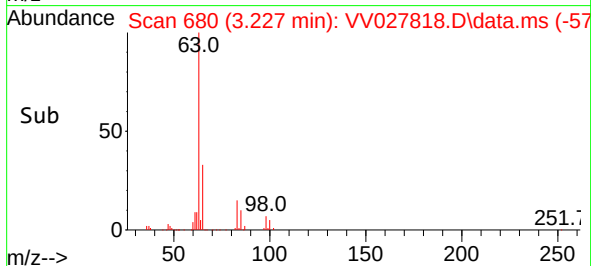
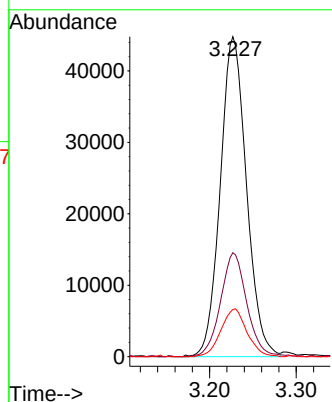
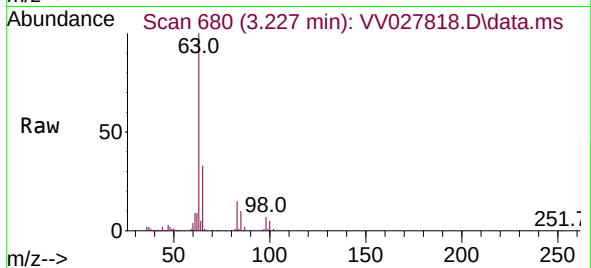
Tgt Ion: 63 Resp: 94224

Ion Ratio Lower Upper

63 100

65 32.5 22.0 41.0

83 14.8 10.1 18.9



#21

2-Butanone

Concen: 51.165 ug/L

RT: 4.108 min Scan# 954

Delta R.T. 0.077 min

Lab File: VV027818.D

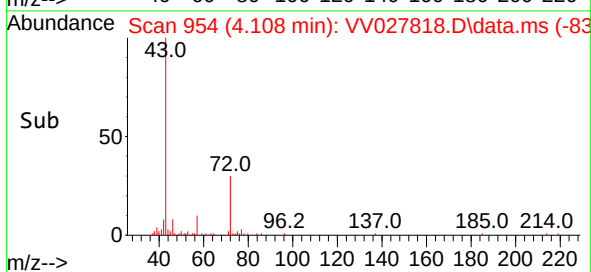
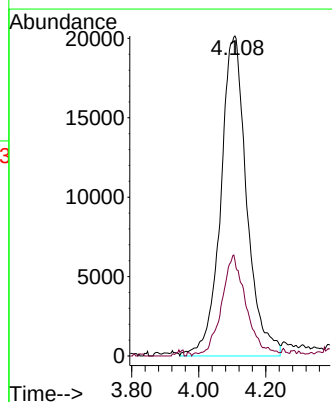
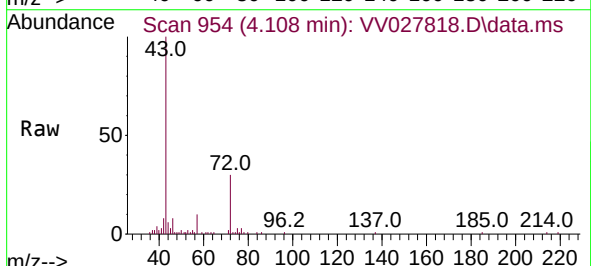
Acq: 14 Sep 2022 10:33

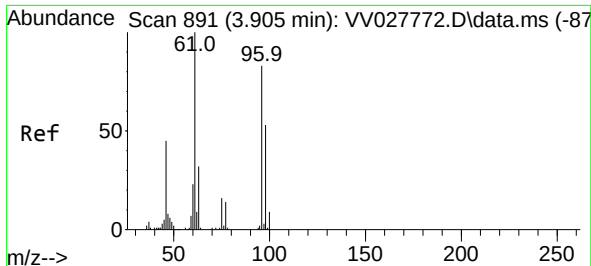
Tgt Ion: 43 Resp: 108607

Ion Ratio Lower Upper

43 100

72 28.0 13.0 39.0

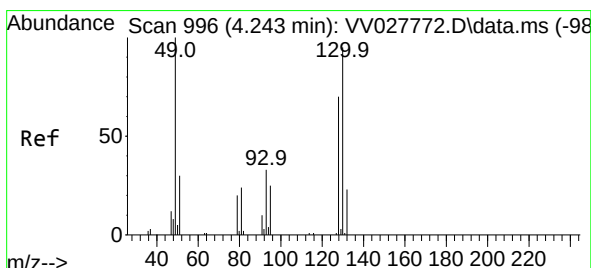
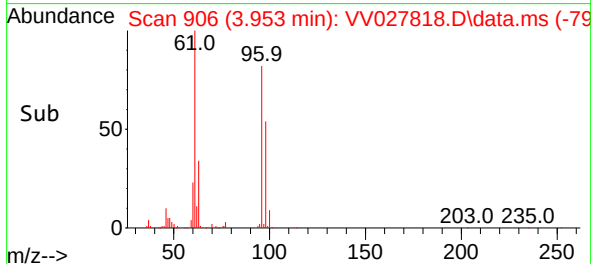
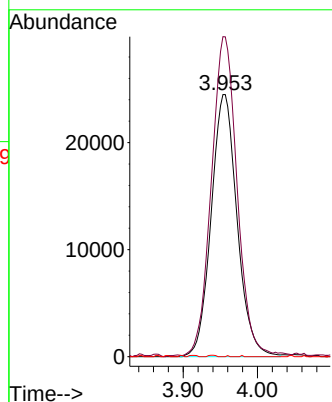
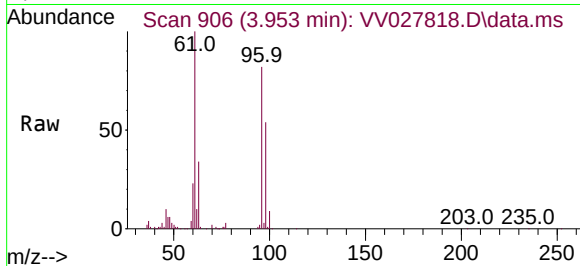




#22
 cis-1,2-Dichloroethene
 Concen: 5.633 ug/L
 RT: 3.953 min Scan# 90
 Delta R.T. 0.052 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

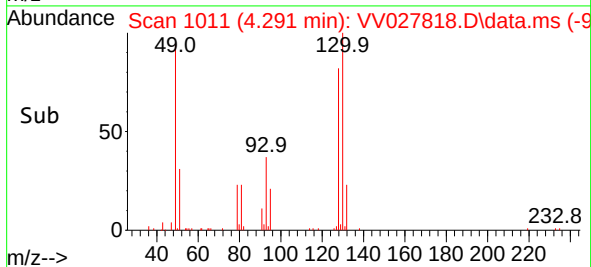
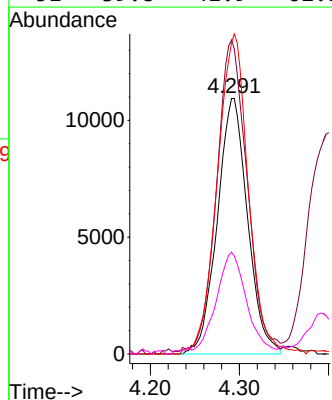
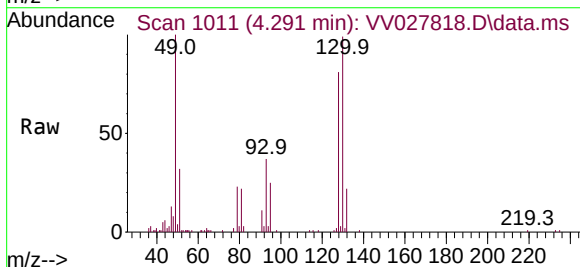
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005288

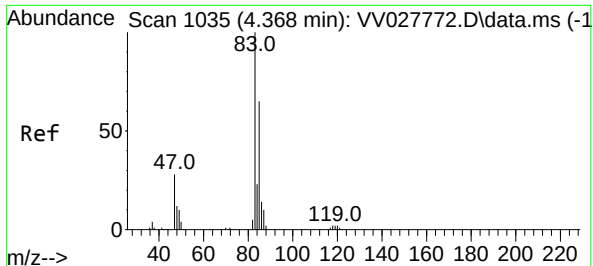
Tgt Ion: 96 Resp: 59364
 Ion Ratio Lower Upper
 96 100
 61 122.1 94.6 175.6
 68 0.0 0.3 0.5#



#23
 Bromochloromethane
 Concen: 5.826 ug/L
 RT: 4.291 min Scan# 1011
 Delta R.T. 0.048 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

Tgt Ion:128 Resp: 25783
 Ion Ratio Lower Upper
 128 100
 49 122.9 118.4 219.8
 130 121.8 89.2 165.6
 51 39.8 41.9 62.9#





#25

Chloroform

Concen: 5.475 ug/L

RT: 4.420 min Scan# 1102

Delta R.T. 0.048 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

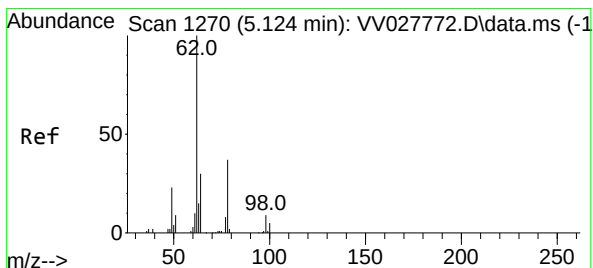
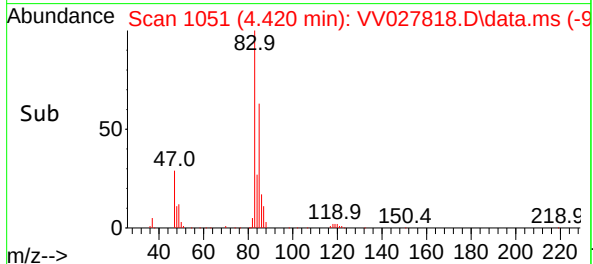
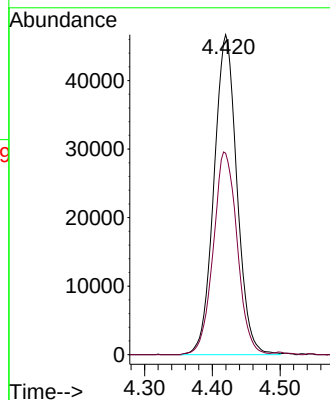
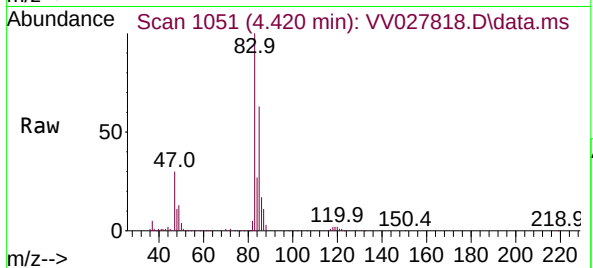
VSTD005288

Tgt Ion: 83 Resp: 110221

Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.2



#27

1,2-Dichloroethane

Concen: 6.120 ug/L

RT: 5.156 min Scan# 1280

Delta R.T. 0.035 min

Lab File: VV027818.D

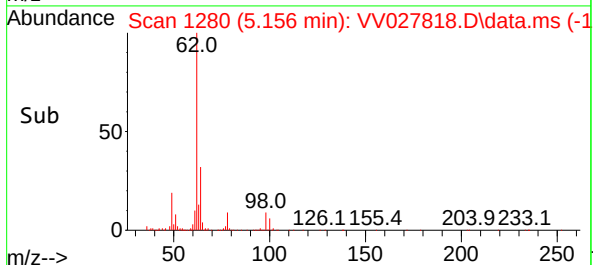
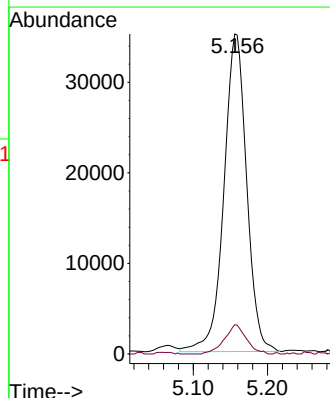
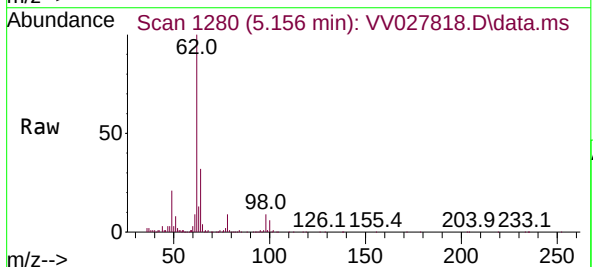
Acq: 14 Sep 2022 10:33

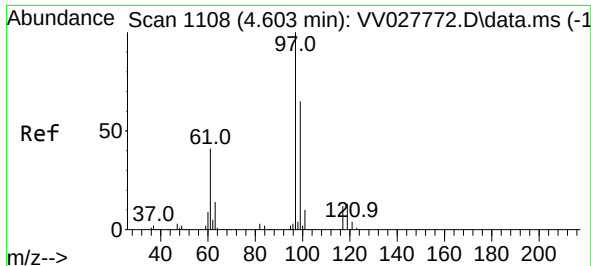
Tgt Ion: 62 Resp: 74698

Ion Ratio Lower Upper

62 100

98 9.1 7.1 10.7

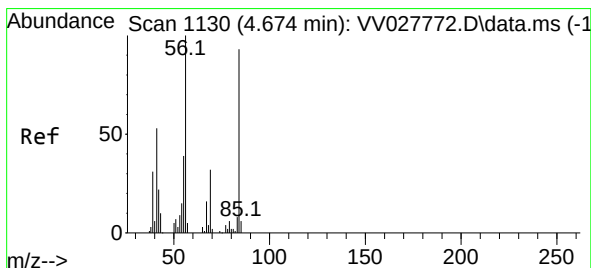
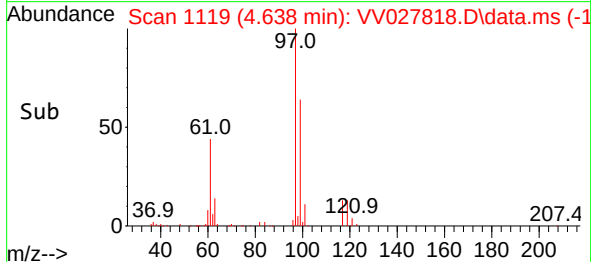
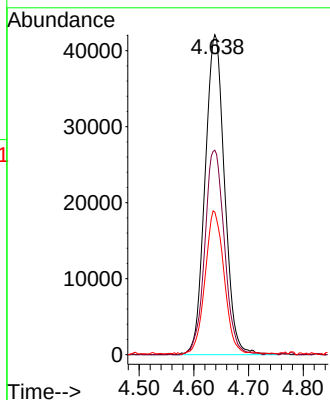
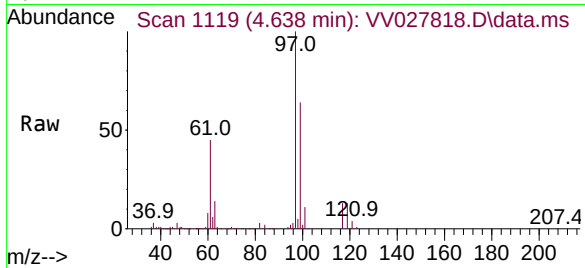




#29
1,1,1-Trichloroethane
Concen: 5.125 ug/L
RT: 4.638 min Scan# 1119
Delta R.T. 0.045 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

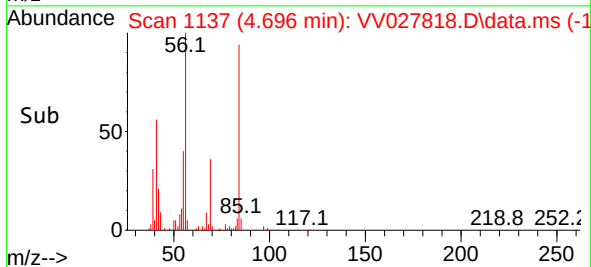
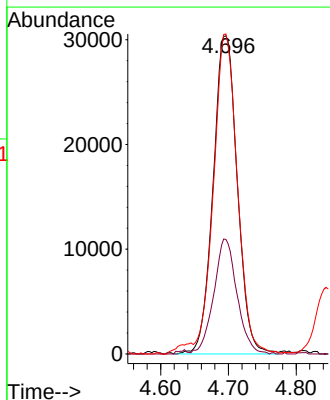
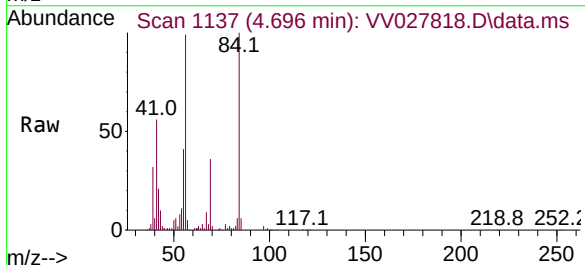
Instrument :
MSVOA_V
ClientSampleId :
VSTD005288

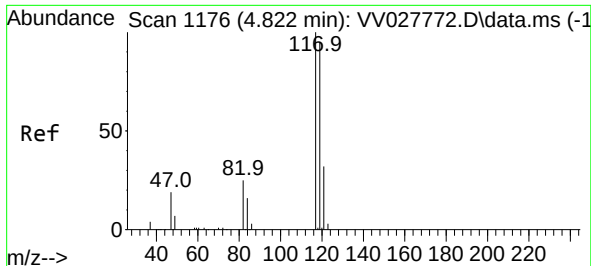
Tgt Ion: 97 Resp: 104265
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 44.1 36.2 54.4



#30
Cyclohexane
Concen: 4.506 ug/L
RT: 4.696 min Scan# 1137
Delta R.T. 0.045 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Tgt Ion: 56 Resp: 75325
Ion Ratio Lower Upper
56 100
69 34.7 25.4 38.2
84 101.0 73.8 110.8

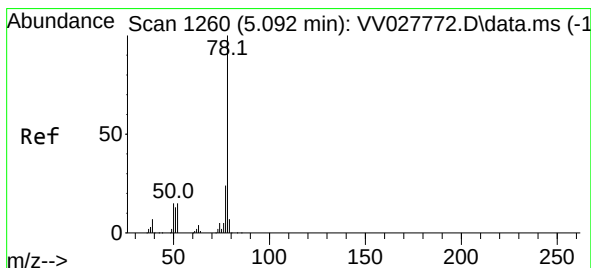
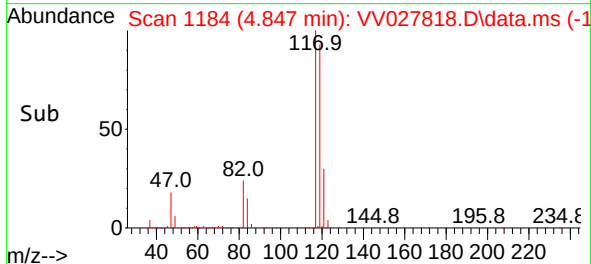
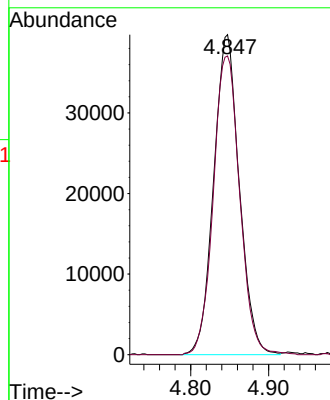
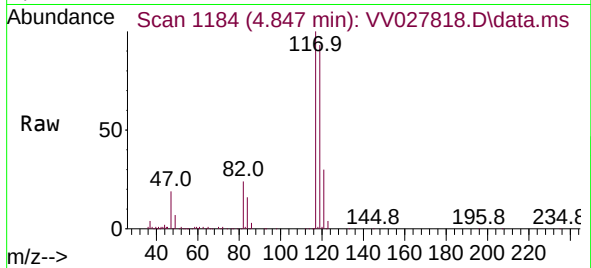




#31
Carbon tetrachloride
Concen: 5.247 ug/L
RT: 4.847 min Scan# 1176
Delta R.T. 0.042 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

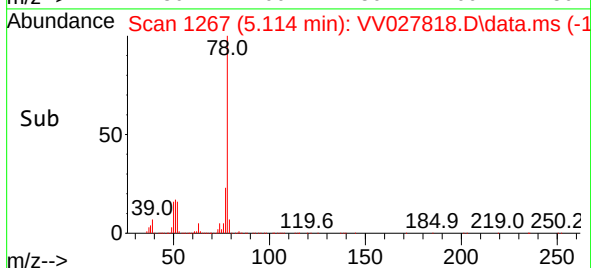
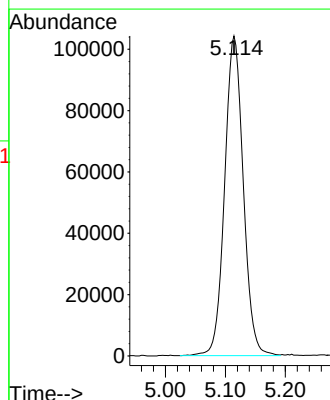
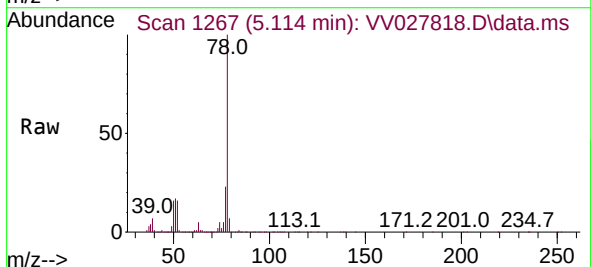
Instrument :
MSVOA_V
ClientSampleId :
VSTD005288

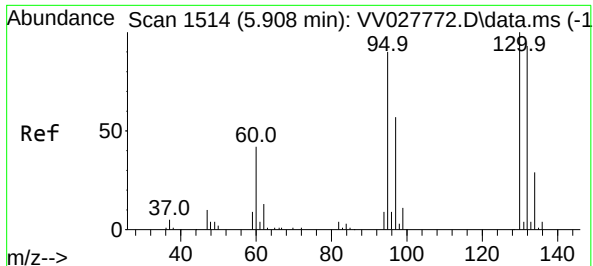
Tgt Ion:117 Resp: 90702
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.8



#33
Benzene
Concen: 5.138 ug/L
RT: 5.114 min Scan# 1267
Delta R.T. 0.035 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Tgt Ion: 78 Resp: 224482





#34

Trichloroethene

Concen: 4.802 ug/L

RT: 5.947 min Scan# 1

Delta R.T. 0.068 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005288

Tgt Ion: 95 Resp: 52507

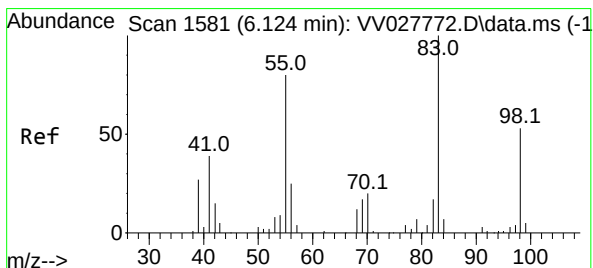
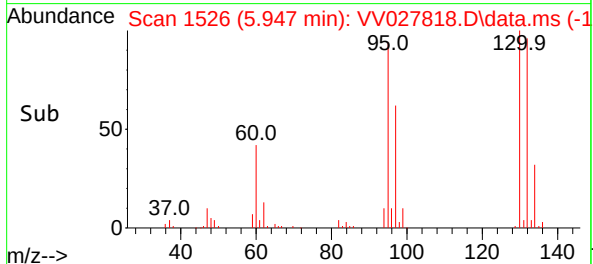
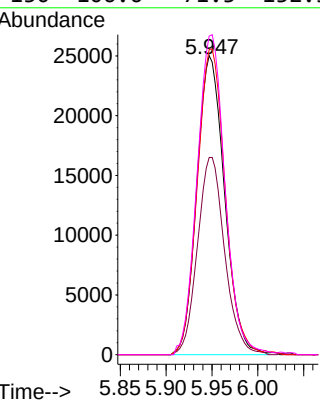
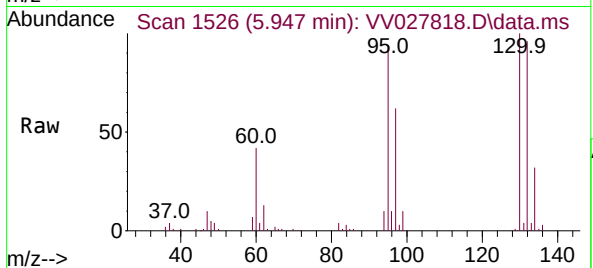
Ion Ratio Lower Upper

95 100

97 65.9 42.9 79.7

132 102.0 67.9 126.1

130 106.6 71.3 132.3



#35

Methylcyclohexane

Concen: 4.391 ug/L

RT: 6.182 min Scan# 1599

Delta R.T. 0.093 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

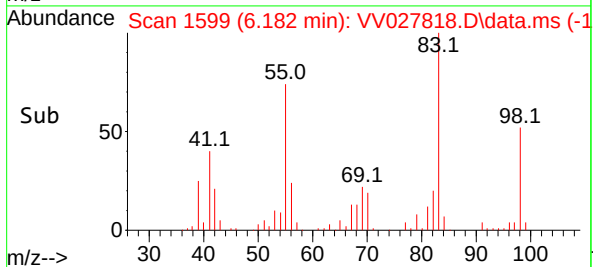
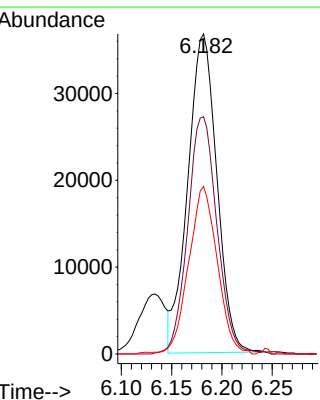
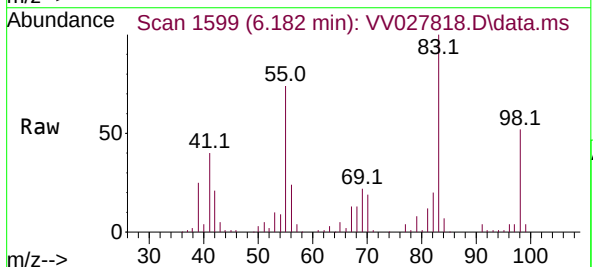
Tgt Ion: 83 Resp: 73738

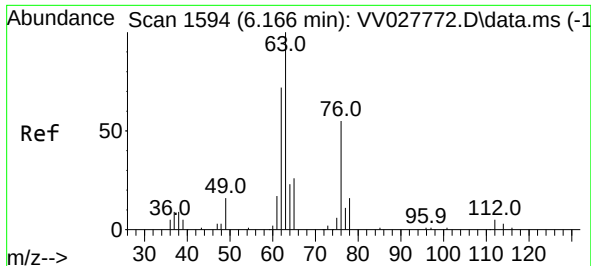
Ion Ratio Lower Upper

83 100

55 75.3 61.9 92.9

98 51.9 37.5 56.3





#37

1,2-Dichloropropane

Concen: 0.690 ug/L

RT: 6.130 min Scan# 11

Delta R.T. -0.022 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

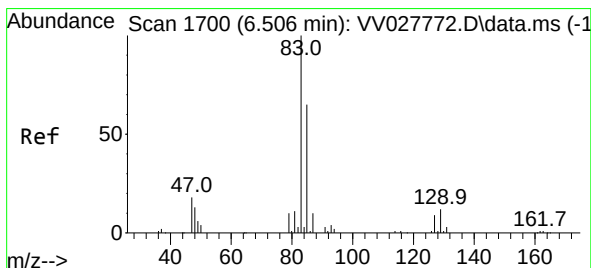
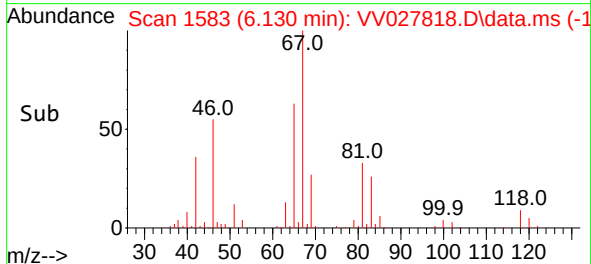
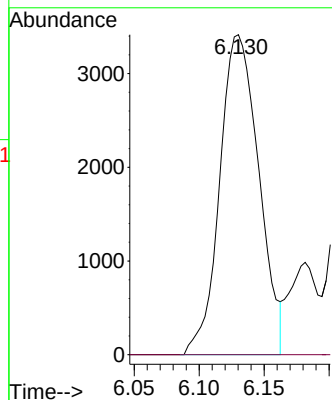
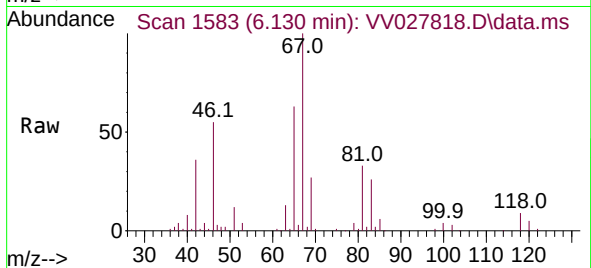
VSTD005288

Tgt Ion: 63 Resp: 7149

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#38

Bromodichloromethane

Concen: 5.083 ug/L

RT: 6.558 min Scan# 1716

Delta R.T. 0.064 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

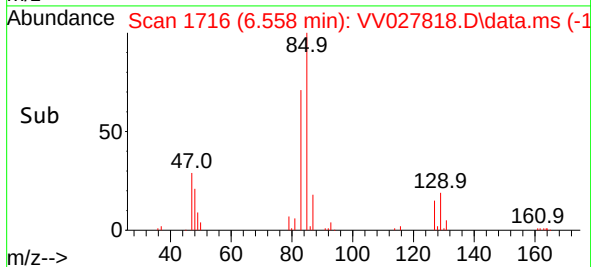
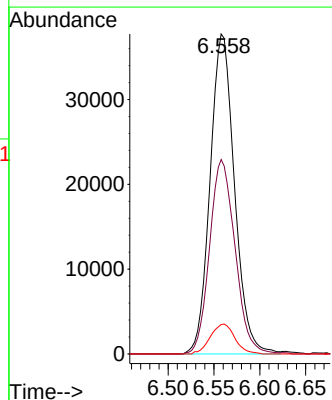
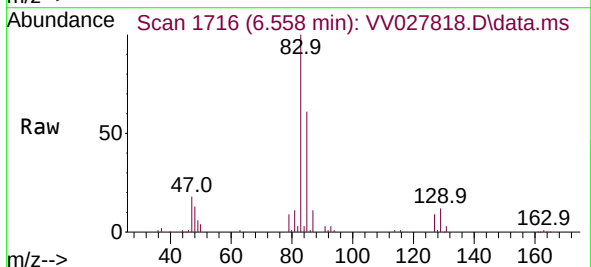
Tgt Ion: 83 Resp: 69873

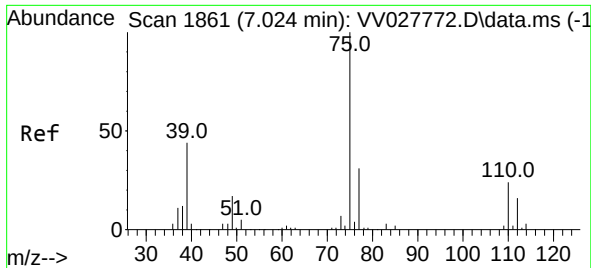
Ion Ratio Lower Upper

83 100

85 60.8 43.3 80.3

127 9.2 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 4.780 ug/L

RT: 7.066 min Scan# 11

Delta R.T. 0.026 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

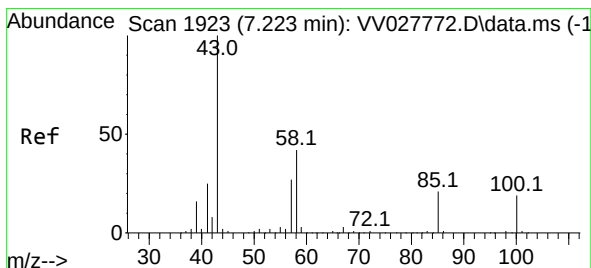
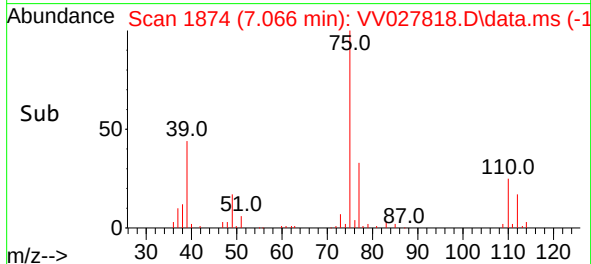
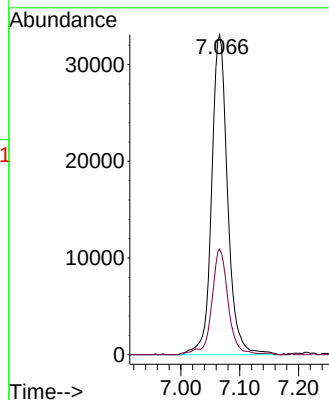
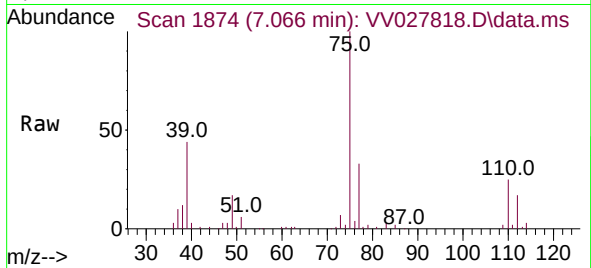
VSTD005288

Tgt Ion: 75 Resp: 62561

Ion Ratio Lower Upper

75 100

77 33.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 50.021 ug/L

RT: 7.278 min Scan# 1940

Delta R.T. 0.013 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

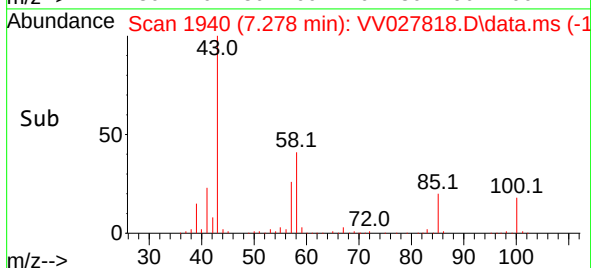
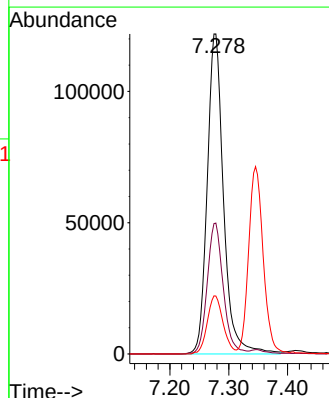
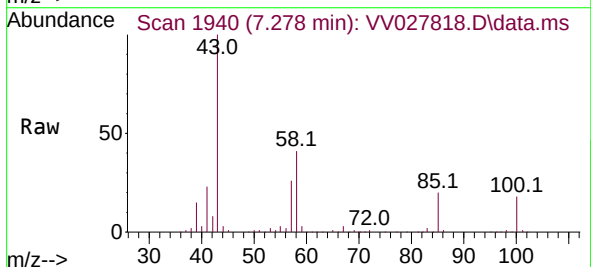
Tgt Ion: 43 Resp: 235029

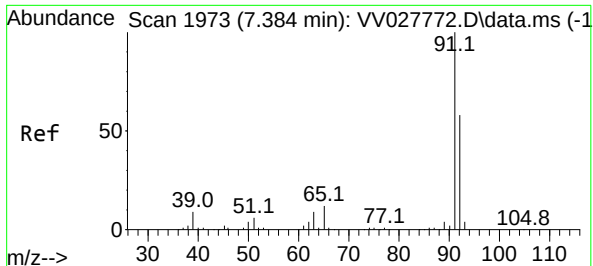
Ion Ratio Lower Upper

43 100

58 40.2 30.9 46.3

100 17.7 13.4 20.0





#42

Toluene

Concen: 5.416 ug/L

RT: 7.416 min Scan# 1973

Delta R.T. 0.023 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

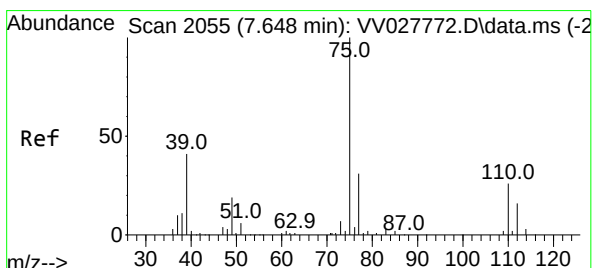
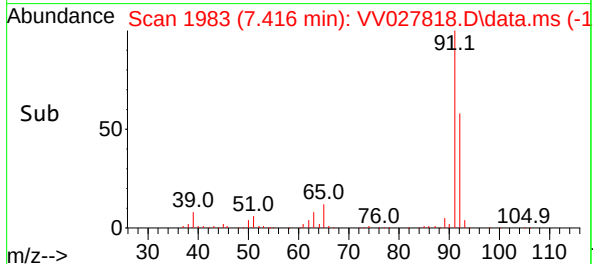
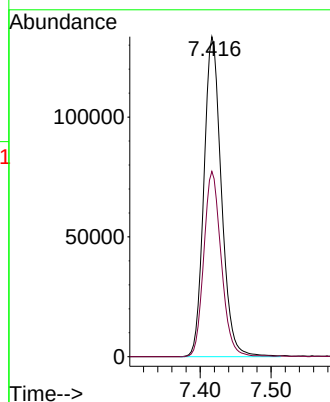
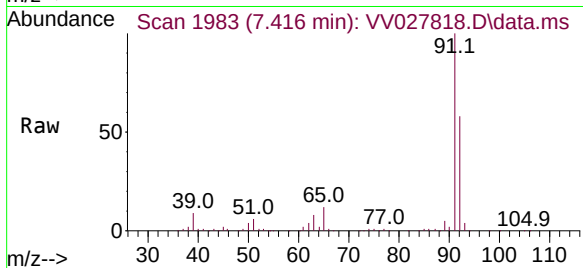
VSTD005288

Tgt Ion: 91 Resp: 229189

Ion Ratio Lower Upper

91 100

92 57.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.101 ug/L

RT: 7.680 min Scan# 2065

Delta R.T. 0.016 min

Lab File: VV027818.D

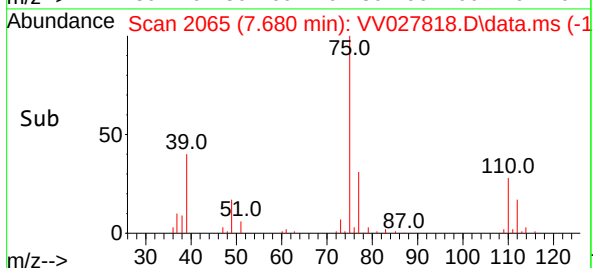
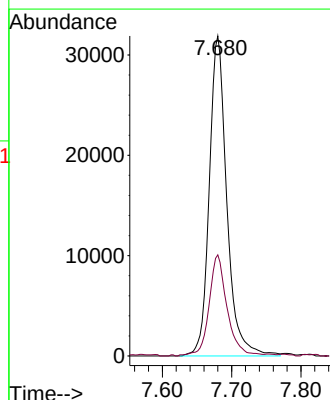
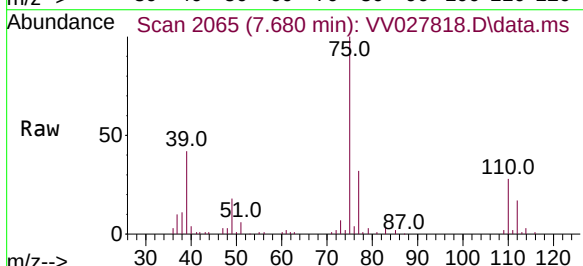
Acq: 14 Sep 2022 10:33

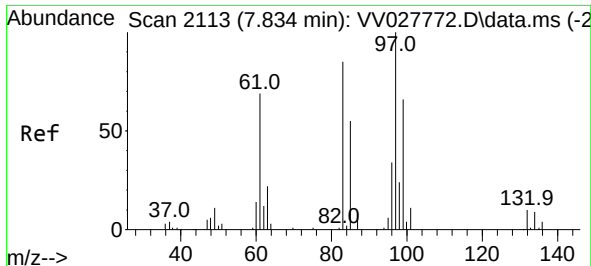
Tgt Ion: 75 Resp: 56034

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 5.520 ug/L

RT: 7.866 min Scan# 2113

Delta R.T. 0.016 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005288

Tgt Ion: 97 Resp: 37080

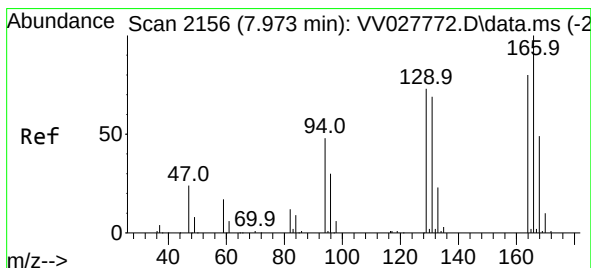
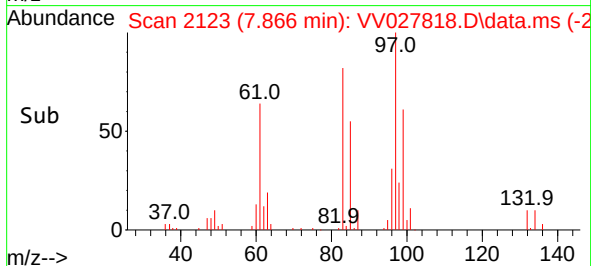
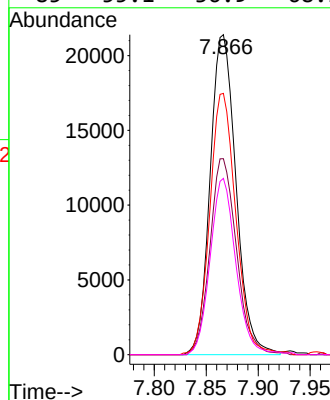
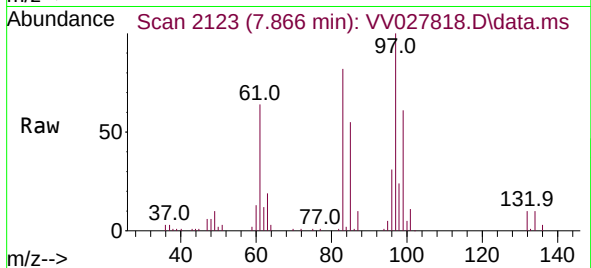
Ion Ratio Lower Upper

97 100

99 61.3 44.2 82.0

83 81.6 60.3 112.1

85 55.1 36.9 68.5



#47

Tetrachloroethene

Concen: 5.193 ug/L

RT: 7.995 min Scan# 2163

Delta R.T. 0.016 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Tgt Ion: 164 Resp: 45564

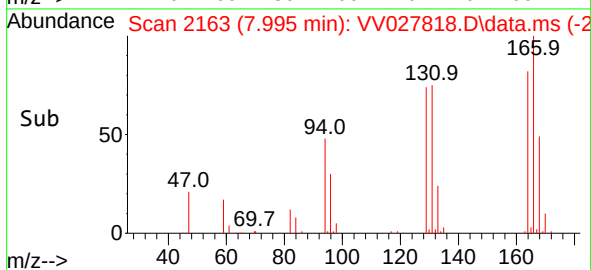
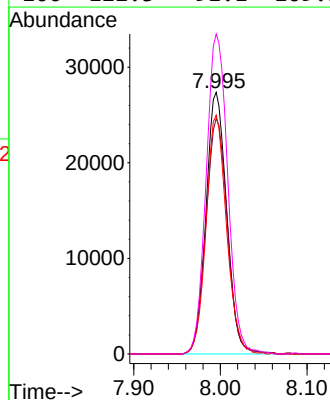
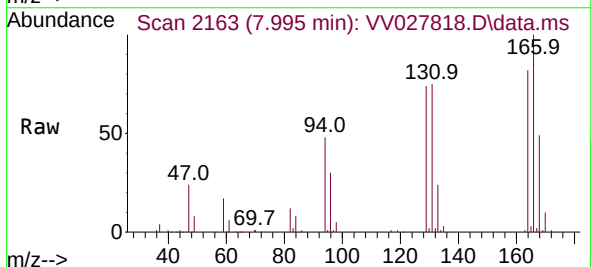
Ion Ratio Lower Upper

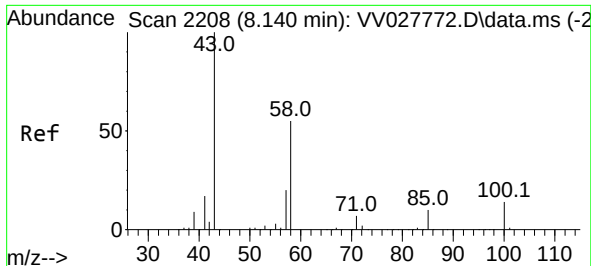
164 100

129 90.0 67.2 124.8

131 91.3 61.5 114.3

166 122.3 91.1 169.3



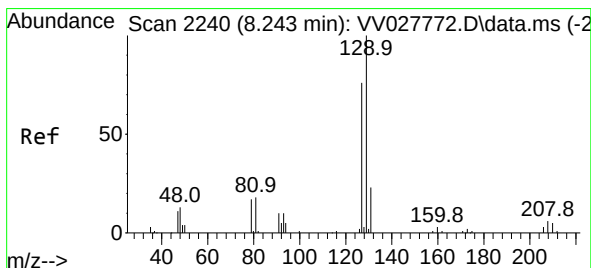
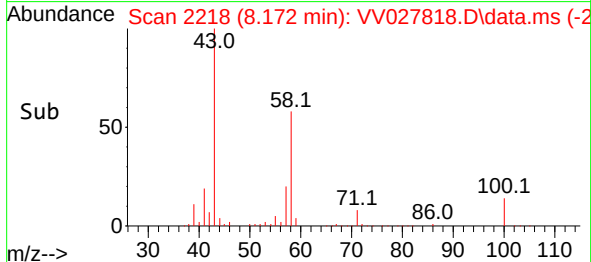
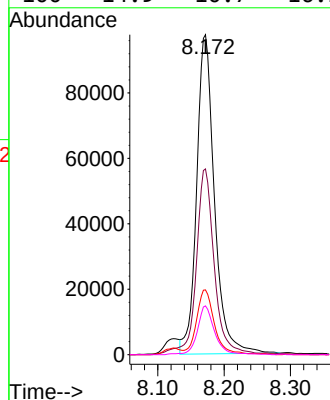
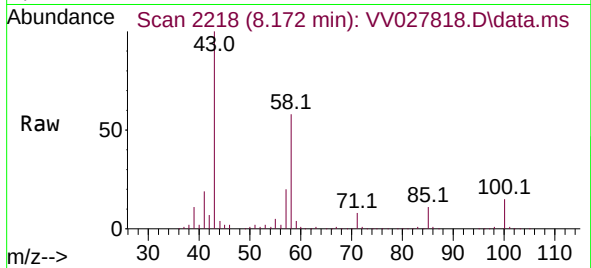


#48
2-Hexanone
Concen: 53.370 ug/L
RT: 8.172 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD005288

Tgt Ion: 43 Resp: 182309

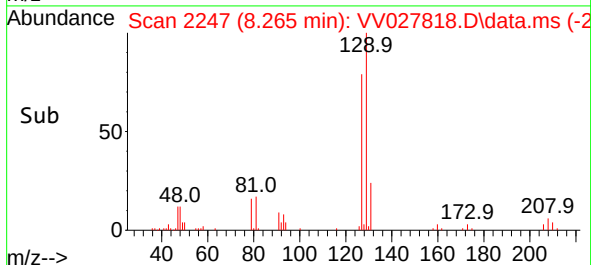
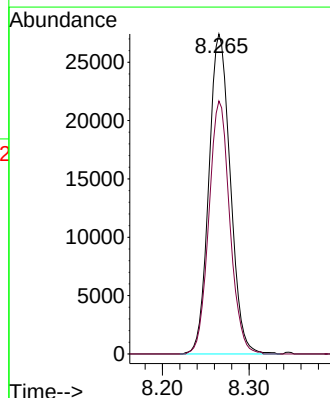
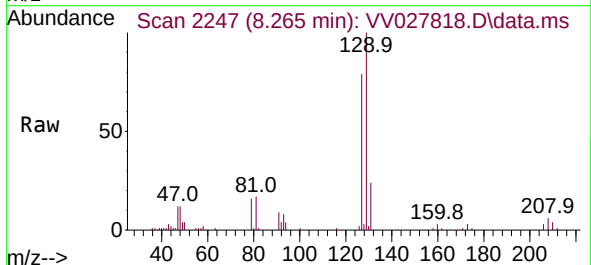
Ion	Ratio	Lower	Upper
43	100		
58	58.9	43.2	64.8
57	19.8	15.6	23.4
100	14.9	10.7	16.1

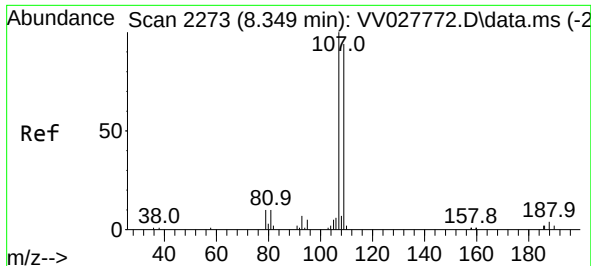


#49
Dibromochloromethane
Concen: 5.528 ug/L
RT: 8.265 min Scan# 2247
Delta R.T. 0.010 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Tgt Ion: 129 Resp: 47142

Ion	Ratio	Lower	Upper
129	100		
127	79.1	55.2	102.6





#50

1,2-Dibromoethane

Concen: 5.507 ug/L

RT: 8.374 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

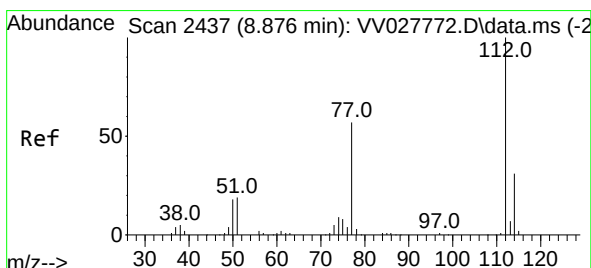
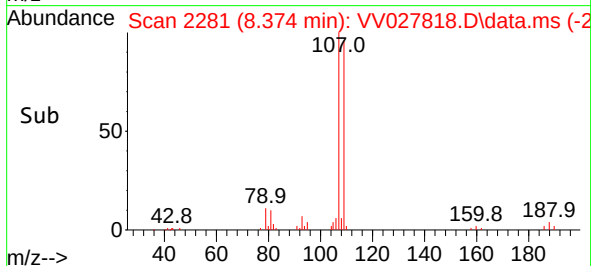
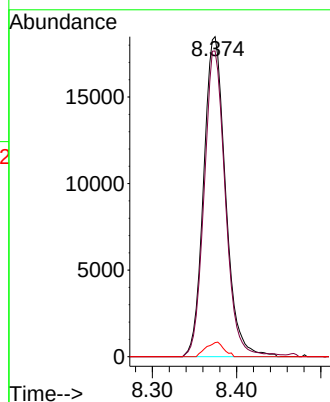
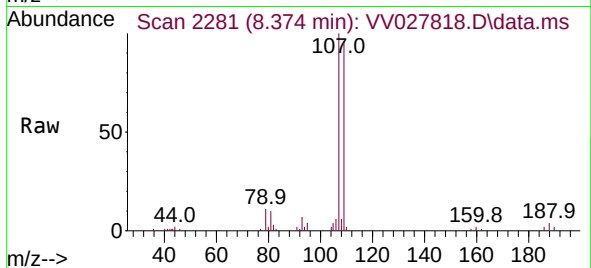
Instrument :

MSVOA_V

ClientSampleId :

VSTD005288

Tgt Ion:	107	Resp:	33452
Ion	Ratio	Lower	Upper
107	100		
109	95.5	65.9	122.5
188	4.4	3.1	4.7



#51

Chlorobenzene

Concen: 5.112 ug/L

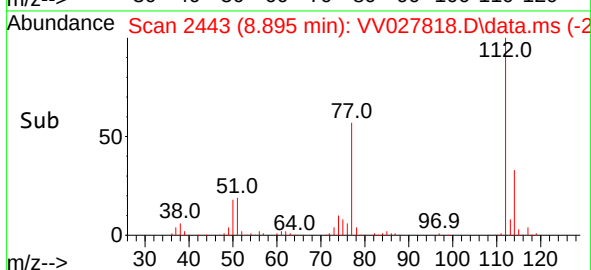
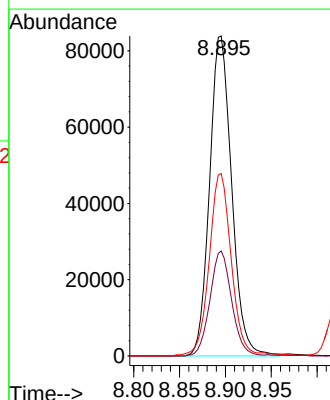
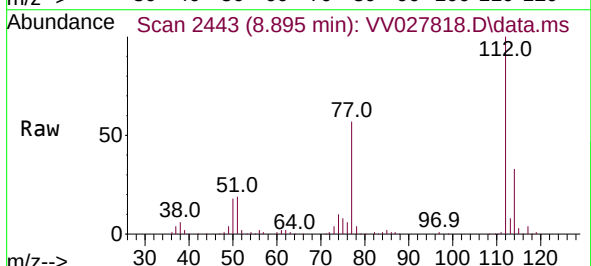
RT: 8.895 min Scan# 2443

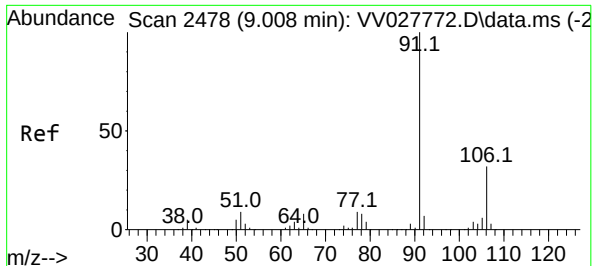
Delta R.T. 0.010 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Tgt Ion:	112	Resp:	140386
Ion	Ratio	Lower	Upper
112	100		
114	32.8	21.7	40.3
77	57.0	45.3	67.9





#52

Ethylbenzene

Concen: 5.043 ug/L

RT: 9.024 min Scan# 2478

Delta R.T. 0.010 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

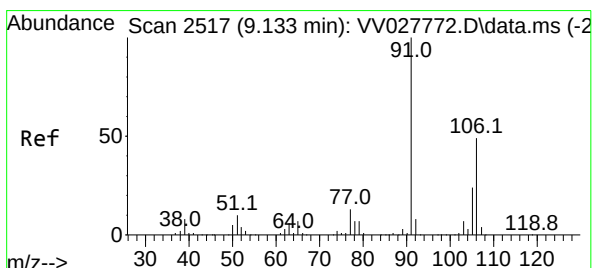
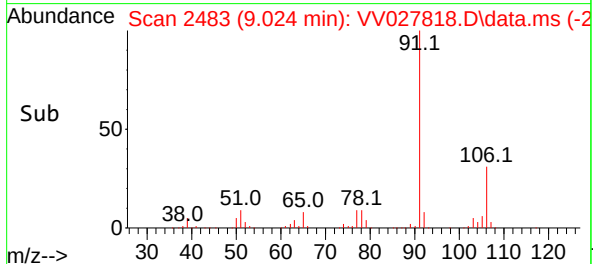
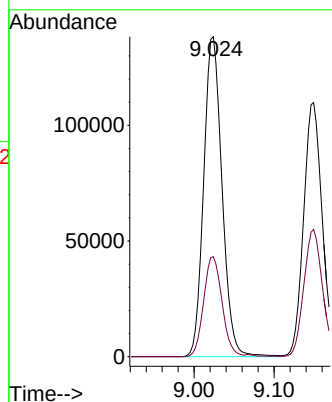
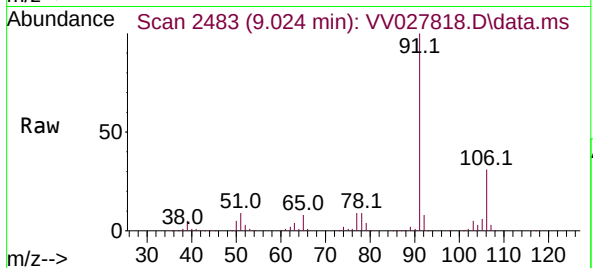
VSTD005288

Tgt Ion: 91 Resp: 221332

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-Xylene

Concen: 5.195 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.007 min

Lab File: VV027818.D

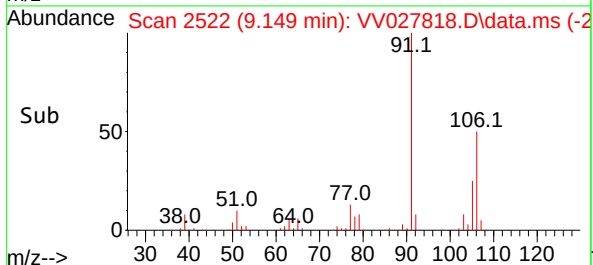
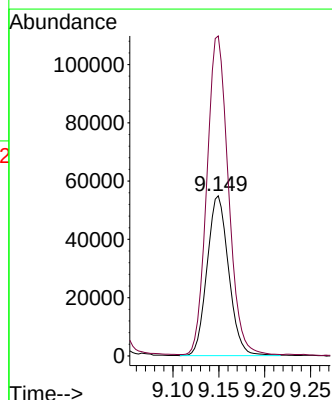
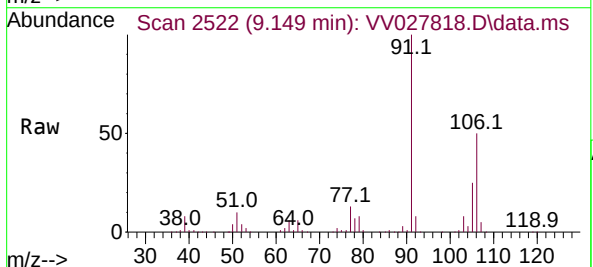
Acq: 14 Sep 2022 10:33

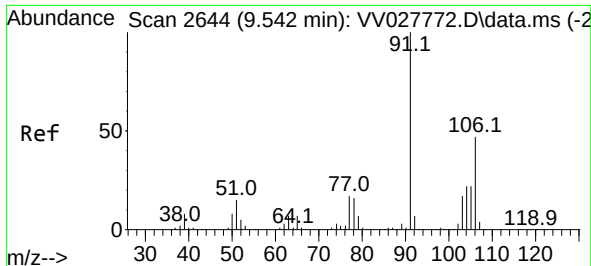
Tgt Ion:106 Resp: 89678

Ion Ratio Lower Upper

106 100

91 199.8 142.4 264.4

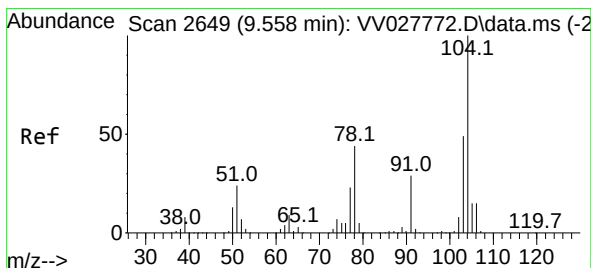
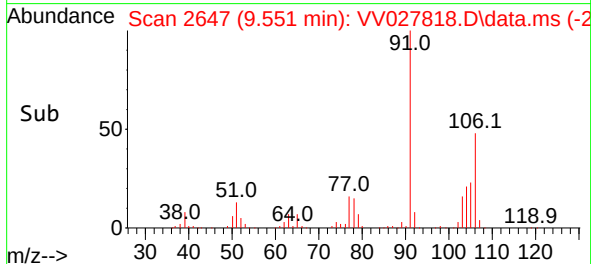
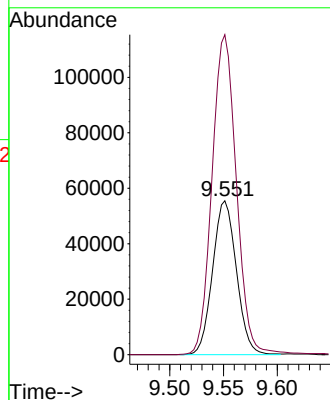
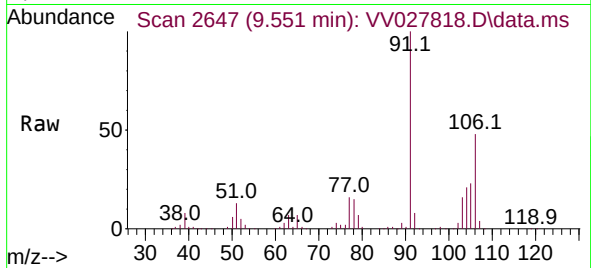




#54
o-Xylene
Concen: 5.202 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.007 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

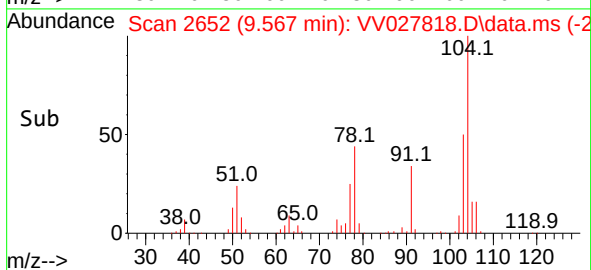
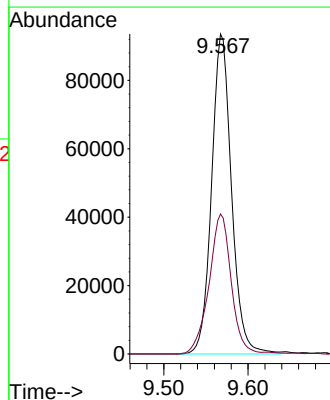
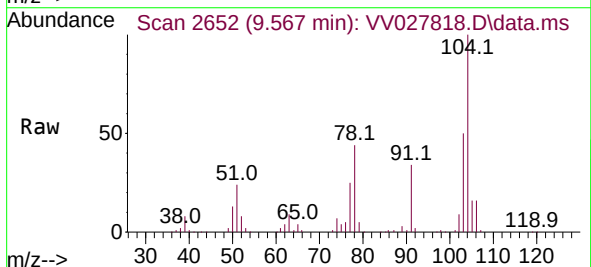
Instrument :
MSVOA_V
ClientSampleId :
VSTD005288

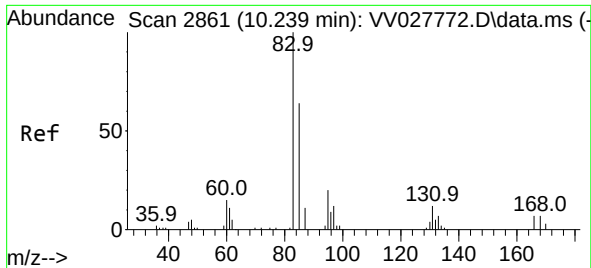
Tgt Ion:106 Resp: 85593
Ion Ratio Lower Upper
106 100
91 208.0 147.5 273.9



#55
Styrene
Concen: 5.393 ug/L
RT: 9.567 min Scan# 2652
Delta R.T. 0.003 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Tgt Ion:104 Resp: 153455
Ion Ratio Lower Upper
104 100
78 43.8 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.303 ug/L

RT: 10.246 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005288

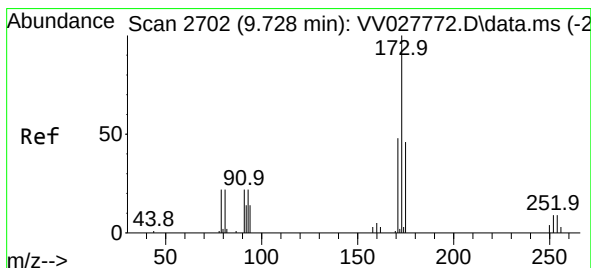
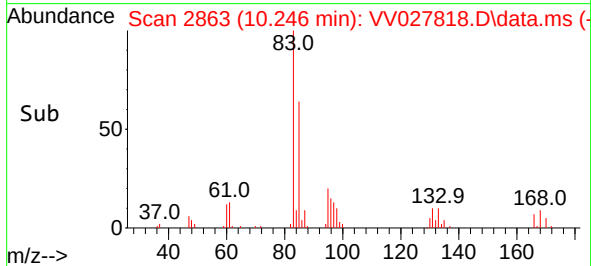
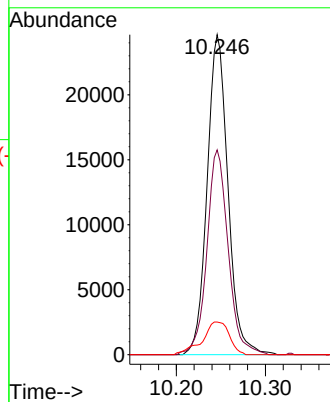
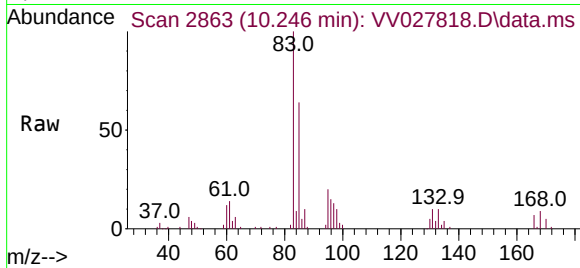
Tgt Ion: 83 Resp: 39917

Ion Ratio Lower Upper

83 100

85 64.0 44.7 83.1

131 10.2 8.5 12.7



#59

Bromoform

Concen: 5.283 ug/L

RT: 9.738 min Scan# 2705

Delta R.T. 0.003 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

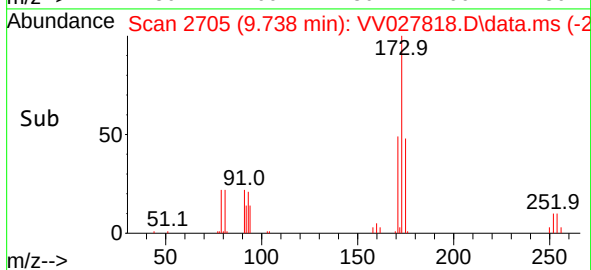
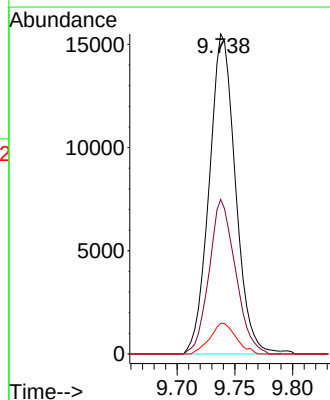
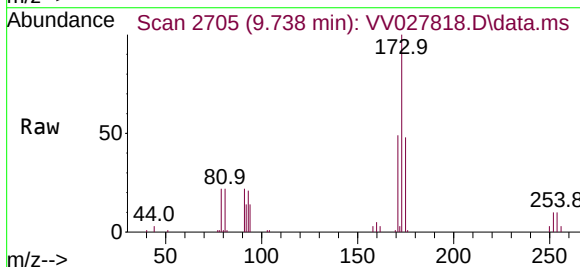
Tgt Ion: 173 Resp: 24506

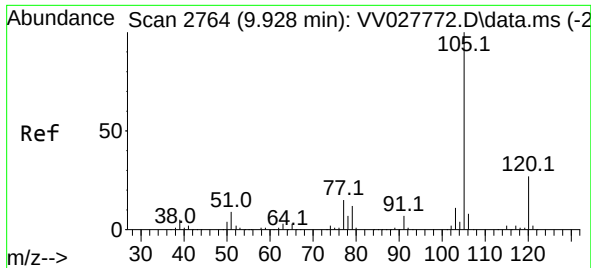
Ion Ratio Lower Upper

173 100

175 48.5 38.4 57.6

254 9.5 6.8 10.2

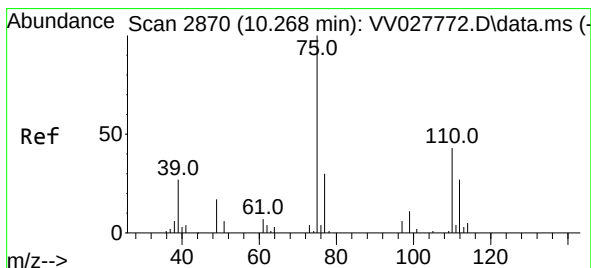
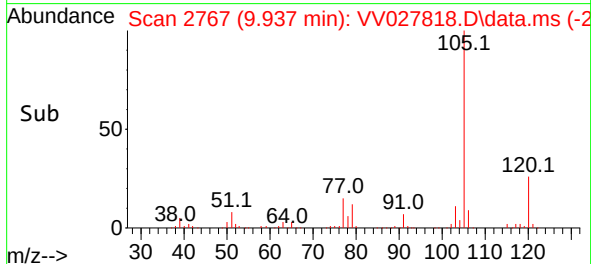
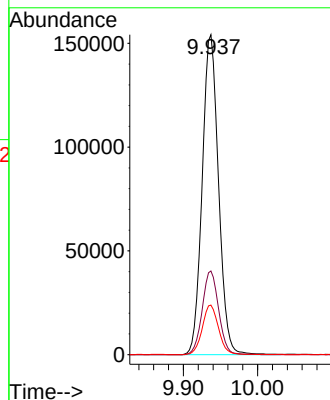
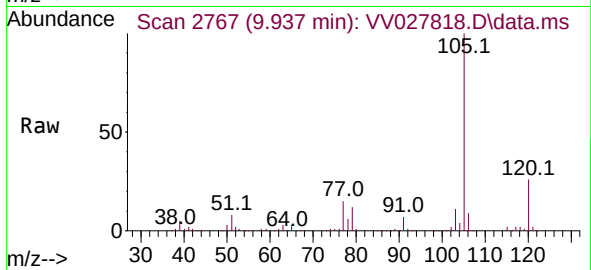




#60
Isopropylbenzene
Concen: 4.909 ug/L
RT: 9.937 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

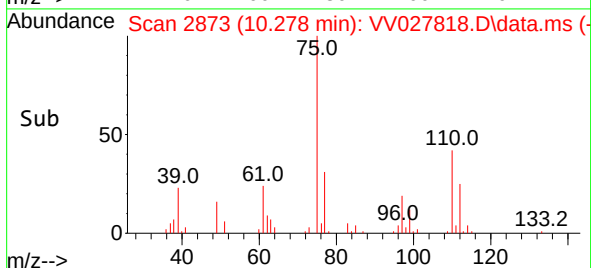
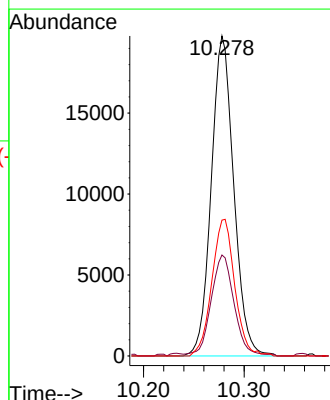
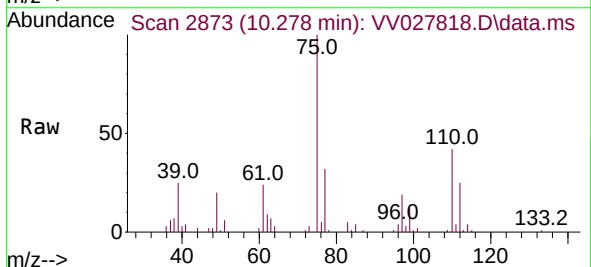
Instrument :
MSVOA_V
ClientSampleId :
VSTD005288

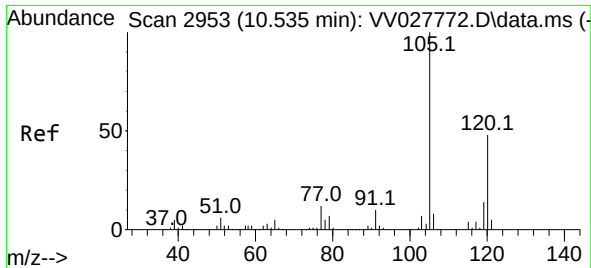
Tgt Ion:105 Resp: 235320
Ion Ratio Lower Upper
105 100
120 26.3 21.3 31.9
77 15.4 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.062 ug/L
RT: 10.278 min Scan# 2873
Delta R.T. 0.003 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Tgt Ion: 75 Resp: 30716
Ion Ratio Lower Upper
75 100
77 32.3 27.6 41.4
110 43.5 35.6 53.4

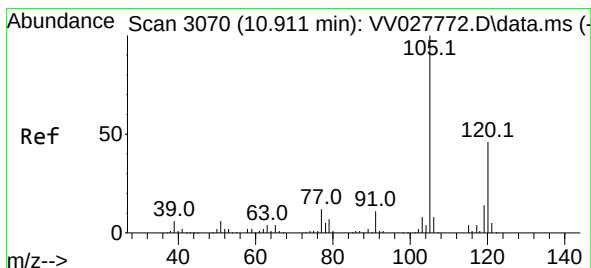
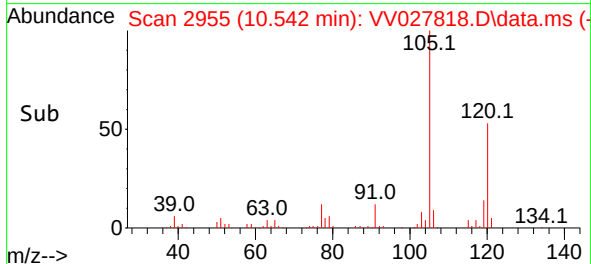
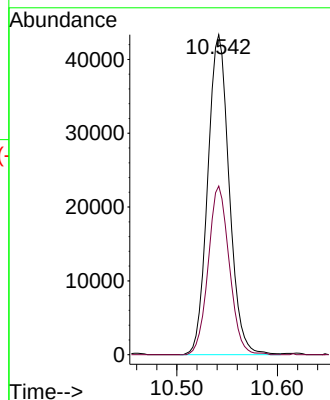
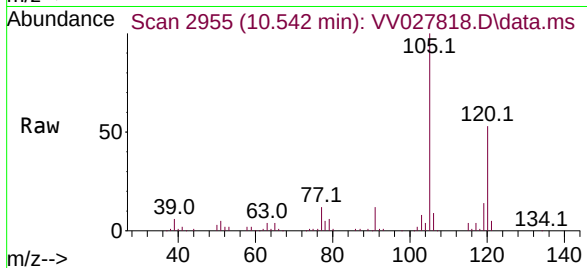




#62
 1,3,5-Trimethylbenzene
 Concen: 4.752 ug/L
 RT: 10.542 min Scan# 2953
 Delta R.T. 0.003 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

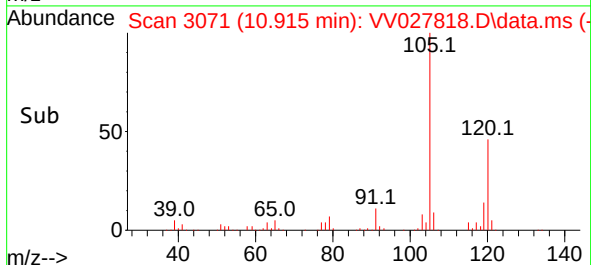
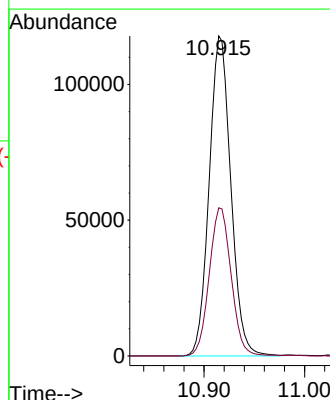
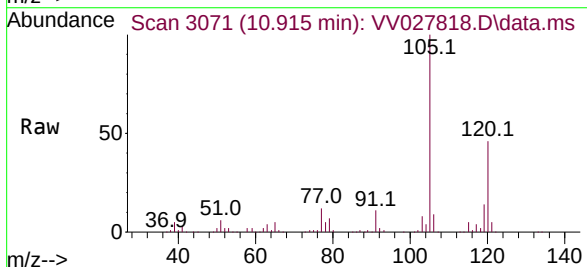
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005288

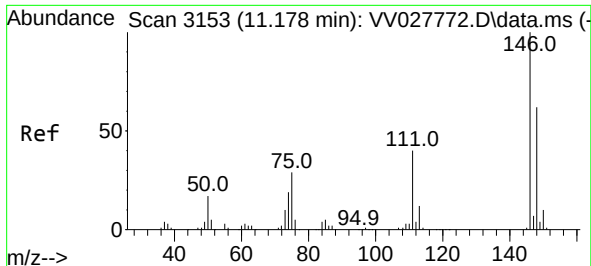
Tgt Ion:105 Resp: 64163
 Ion Ratio Lower Upper
 105 100
 120 51.7 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.594 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: VV027818.D
 Acq: 14 Sep 2022 10:33

Tgt Ion:105 Resp: 176327
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.4 56.0

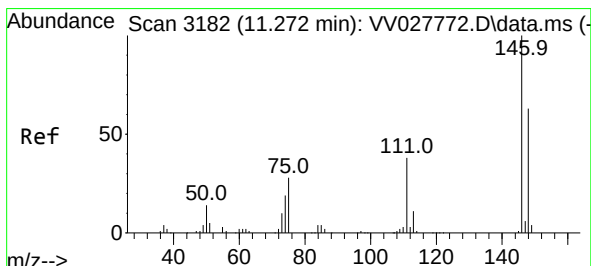
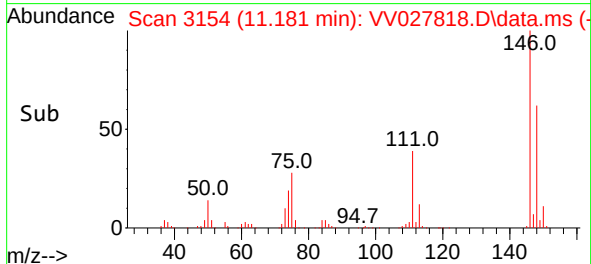
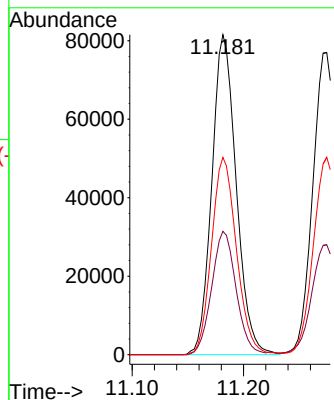
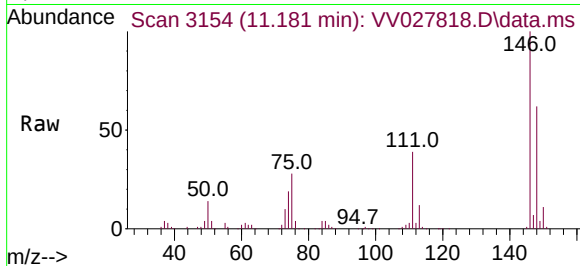




#64
1,3-Dichlorobenzene
Concen: 5.107 ug/L
RT: 11.181 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

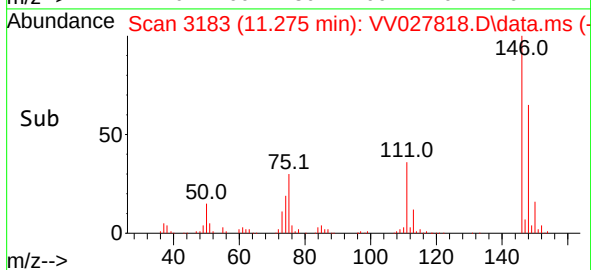
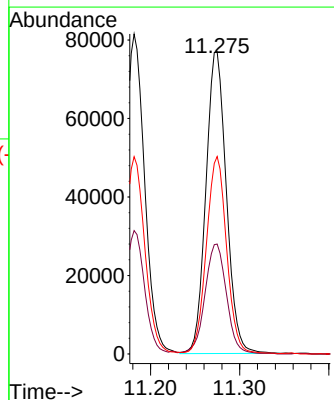
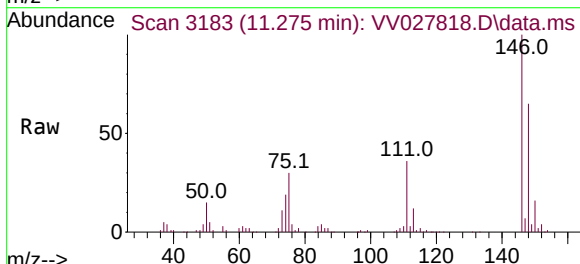
Instrument :
MSVOA_V
ClientSampleId :
VSTD005288

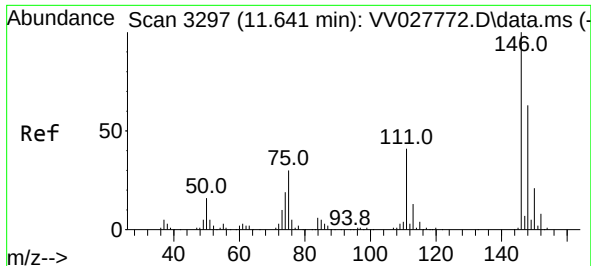
Tgt Ion:146 Resp: 123964
Ion Ratio Lower Upper
146 100
111 38.5 27.9 51.9
148 61.7 46.0 85.4



#65
1,4-Dichlorobenzene
Concen: 5.013 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.003 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Tgt Ion:146 Resp: 122632
Ion Ratio Lower Upper
146 100
111 36.4 26.5 49.3
148 65.4 42.8 79.4





#67

1,2-Dichlorobenzene

Concen: 4.994 ug/L

RT: 11.644 min Scan# 3297

Delta R.T. 0.003 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005288

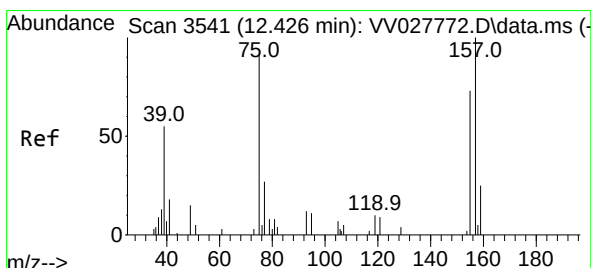
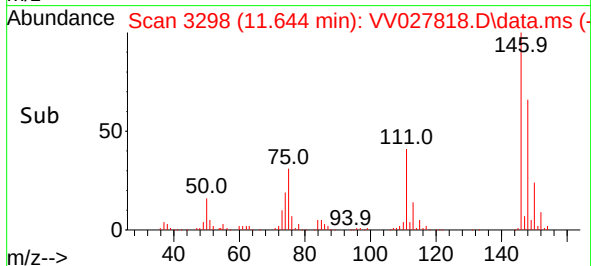
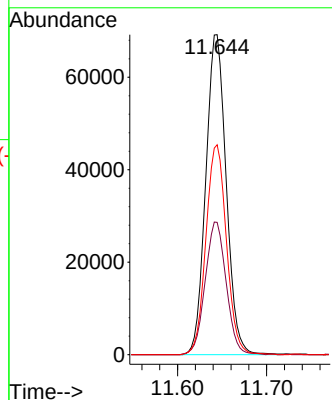
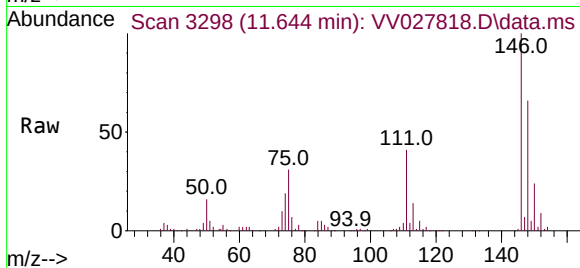
Tgt Ion:146 Resp: 110096

Ion Ratio Lower Upper

146 100

111 41.4 33.1 49.7

148 65.6 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.760 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

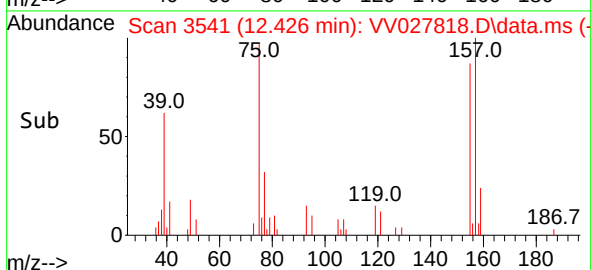
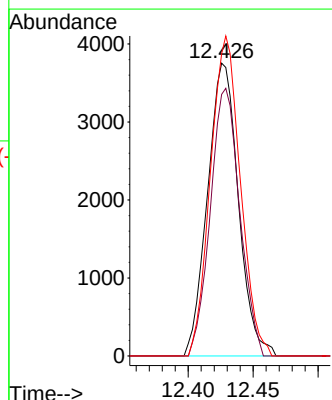
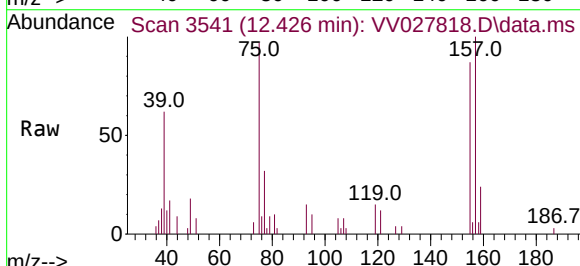
Tgt Ion: 75 Resp: 6200

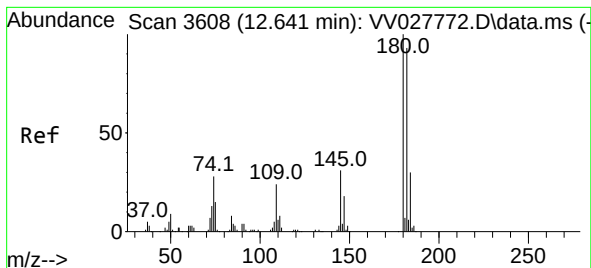
Ion Ratio Lower Upper

75 100

155 89.3 71.9 107.9

157 103.2 95.1 142.7





#69

1,3,5-Trichlorobenzene

Concen: 5.026 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005288

Tgt Ion:180 Resp: 92434

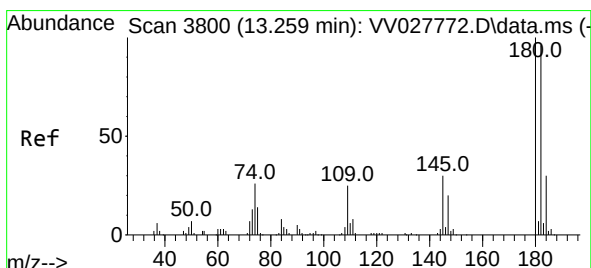
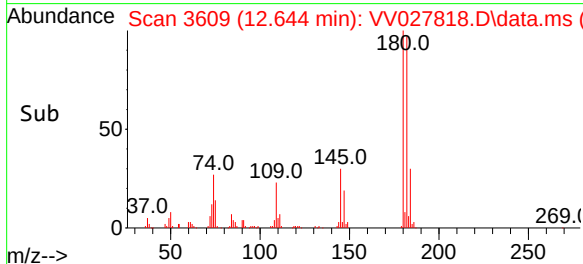
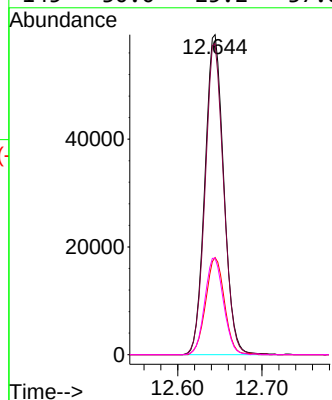
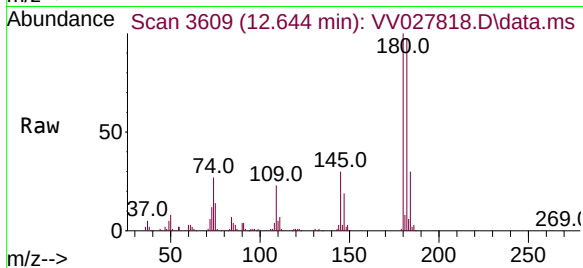
Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.8

184 30.2 23.8 35.6

145 30.0 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.700 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027818.D

Acq: 14 Sep 2022 10:33

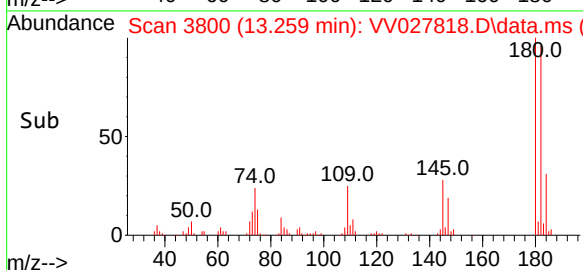
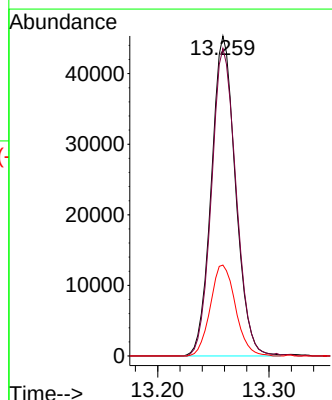
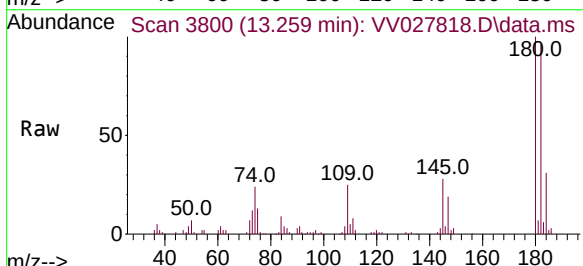
Tgt Ion:180 Resp: 68340

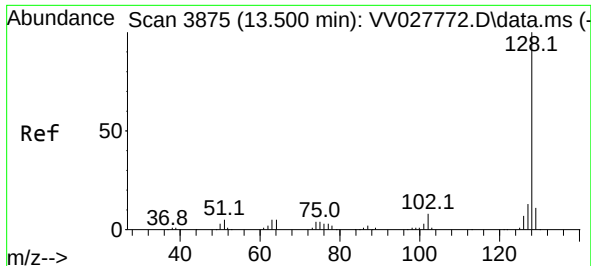
Ion Ratio Lower Upper

180 100

182 97.5 76.6 114.8

145 29.5 24.6 37.0

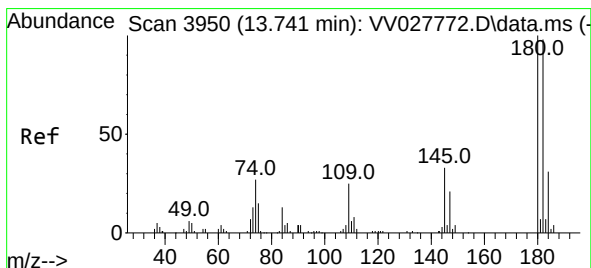
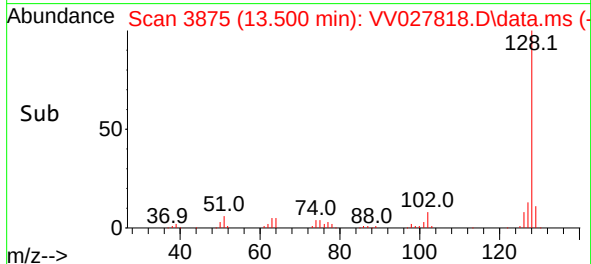
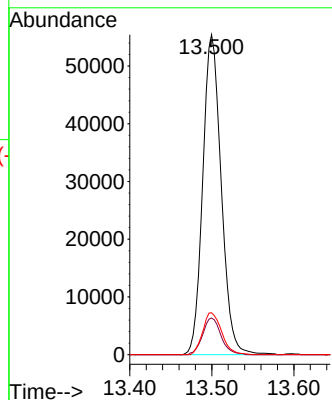
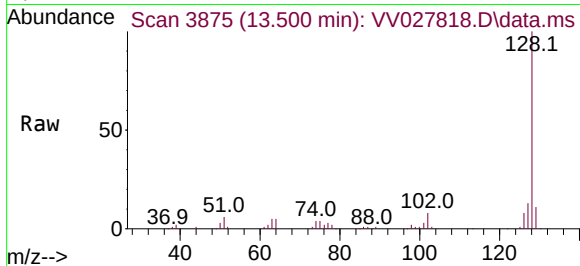




#71
Naphthalene
Concen: 3.801 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD005288

Tgt Ion:128	Resp:	86818
Ion Ratio	Lower	Upper
128	100	
129	11.4	9.2 13.8
127	13.4	10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.539 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV027818.D
Acq: 14 Sep 2022 10:33

Tgt Ion:180	Resp:	58807
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.5 114.7
145	32.8	26.5 39.7

