

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VV023495.D
 Acq On : 15 Nov 2021 20:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

Quant Time: Nov 16 00:35:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 00:29:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	126295	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	125929	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	68651	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	49062	6.201	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	124.000%
7) Chloroethane-d5	1.568	69	36851	5.715	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.200%
11) 1,1-Dichloroethene-d2	2.111	63	82437	5.566	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.400%
20) 2-Butanone-d5	3.892	46	76559	56.166	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.340%
24) Chloroform-d	4.352	84	85268	5.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.037	65	39741	5.241	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.053	84	168806	5.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
36) 1,2-Dichloropropane-d6	6.072	67	47497	4.994	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.317	98	162186	5.357	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.200%
43) trans-1,3-Dichloroprop...	7.625	79	17793	4.933	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.600%
46) 2-Hexanone-d5	8.088	63	56062	42.249	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	30925	4.521	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	58980	5.160	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	56221	4.565	ug/L	98
3) Chloromethane	1.243	50	52057	4.972	ug/L	97
5) Vinyl chloride	1.311	62	51962	4.969	ug/L	100
6) Bromomethane	1.523	94	33273	4.978	ug/L	97
8) Chloroethane	1.587	64	30628	5.075	ug/L	98
9) Trichlorofluoromethane	1.754	101	78197	4.977	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	41322	5.224	ug/L	97
12) 1,1-Dichloroethene	2.121	96	38750	5.145	ug/L	93
13) Acetone	2.182	43	52476	63.006	ug/L	92
14) Carbon disulfide	2.298	76	121603	4.279	ug/L	100
15) Methyl Acetate	2.439	43	12576	5.335	ug/L	98
16) Methylene chloride	2.510	84	44287	4.029	ug/L	99
17) Methyl tert-butyl Ether	2.770	73	78024	4.706	ug/L	98
18) trans-1,2-Dichloroethene	2.764	96	42950	4.639	ug/L	91
19) 1,1-Dichloroethane	3.191	63	76343	4.884	ug/L	97
21) 2-Butanone	3.979	43	78030	57.947	ug/L	94
22) cis-1,2-Dichloroethene	3.915	96	44480	4.992	ug/L	# 86
23) Bromochloromethane	4.249	128	20178	4.911	ug/L	# 87
25) Chloroform	4.378	83	83541	5.014	ug/L	96

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 Data File : VV023495.D
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

Quant Time: Nov 16 00:35:55 2021
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 16 00:29:25 2021
 Response via : Initial Calibration

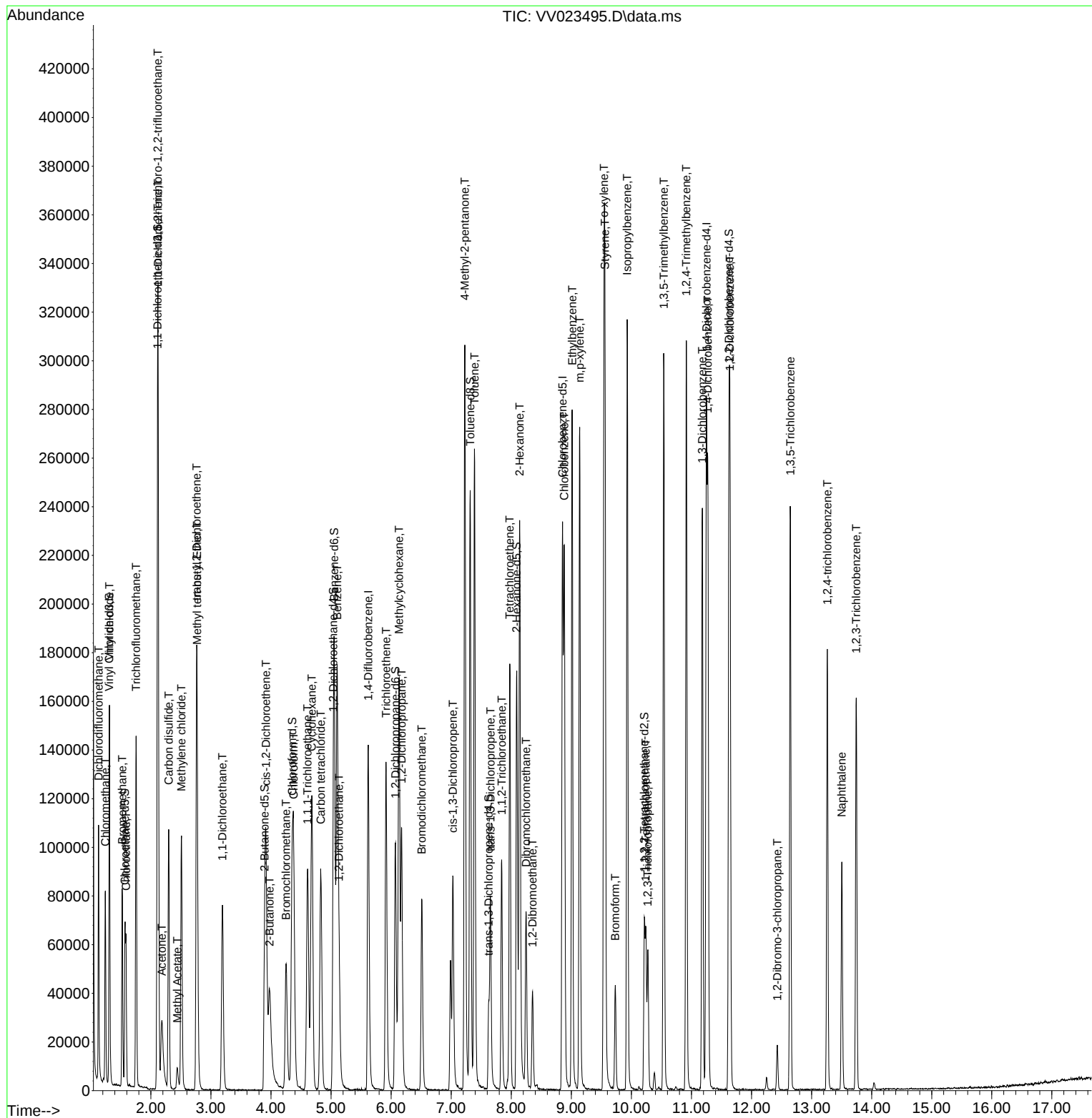
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	44148	4.981	ug/L	99
29) 1,1,1-Trichloroethane	4.609	97	74837	4.893	ug/L	99
30) Cyclohexane	4.680	56	61462	4.485	ug/L	96
31) Carbon tetrachloride	4.828	117	68226	4.967	ug/L	98
33) Benzene	5.101	78	173620	4.933	ug/L	100
34) Trichloroethene	5.915	95	45421	4.853	ug/L	96
35) Methylcyclohexane	6.130	83	67020	4.536	ug/L	97
37) 1,2-Dichloropropane	6.175	63	40388	4.915	ug/L	100
38) Bromodichloromethane	6.510	83	52645	4.781	ug/L	100
39) cis-1,3-Dichloropropene	7.031	75	53491	4.526	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	197749	51.889	ug/L	99
42) Toluene	7.387	91	192141	5.104	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	46669	4.759	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	29155	4.938	ug/L	97
47) Tetrachloroethene	7.976	164	39274	4.842	ug/L	97
48) 2-Hexanone	8.140	43	146370	54.812	ug/L	98
49) Dibromochloromethane	8.246	129	37477	5.010	ug/L	99
50) 1,2-Dibromoethane	8.355	107	26447	4.834	ug/L	92
51) Chlorobenzene	8.883	112	119009	4.756	ug/L	98
52) Ethylbenzene	9.014	91	192290	4.843	ug/L	99
53) m,p-xylene	9.140	106	76852	4.932	ug/L	97
54) o-xylene	9.545	106	73190	5.007	ug/L	100
55) Styrene	9.561	104	126974	5.070	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	29528	4.565	ug/L	99
59) Bromoform	9.731	173	19220	4.687	ug/L	98
60) Isopropylbenzene	9.931	105	199115	5.054	ug/L	99
61) 1,2,3-Trichloropropane	10.272	75	22604	4.957	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	161622	4.948	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	165181	5.081	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	100271	4.981	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	99645	4.847	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	90442	5.021	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4696	4.833	ug/L	87
69) 1,3,5-Trichlorobenzene	12.648	180	72915	4.627	ug/L	97
70) 1,2,4-trichlorobenzene	13.262	180	56229	4.455	ug/L	99
71) Naphthalene	13.503	128	73658	3.958	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	50250	4.551	ug/L	99

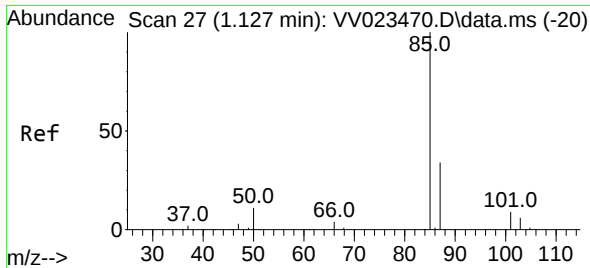
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 Data File : VV023495.D
 Acq On : 15 Nov 2021 20:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

Quant Time: Nov 16 00:35:55 2021
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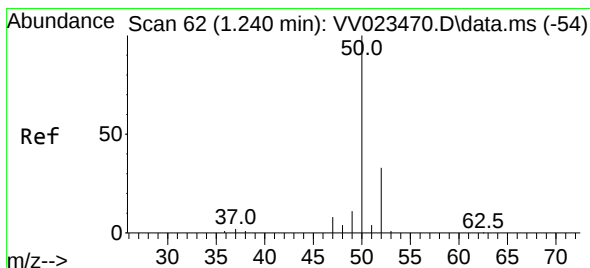
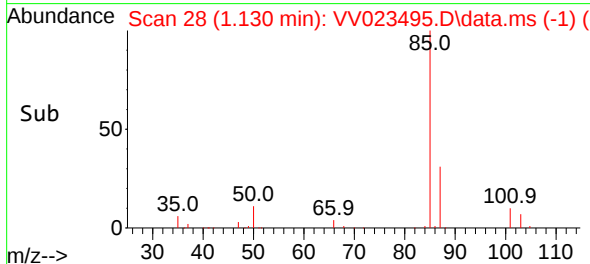
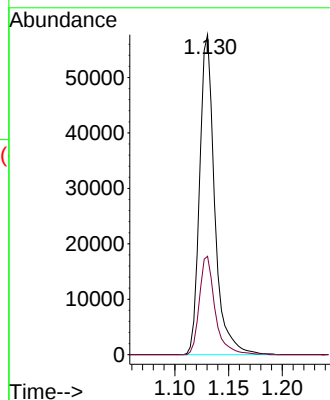
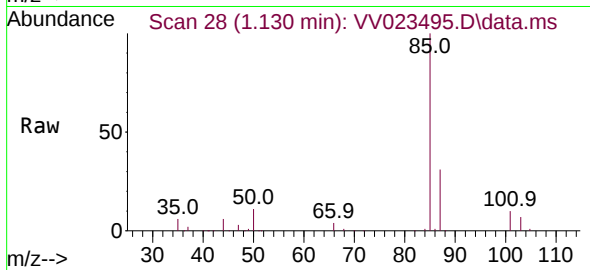




#2
 Dichlorodifluoromethane
 Concen: 4.565 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023495.D
 Acq: 15 Nov 2021 20:17

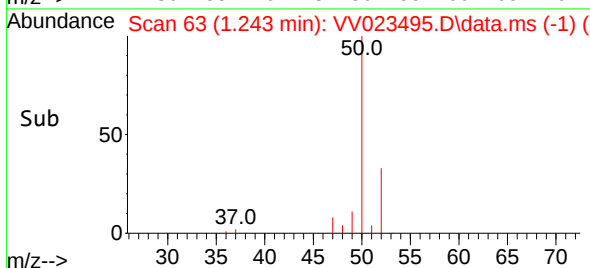
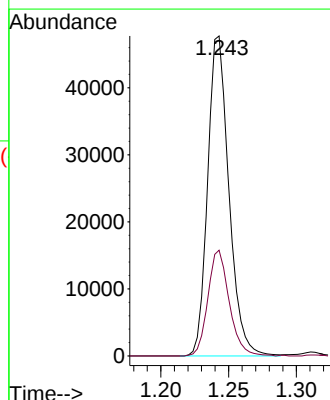
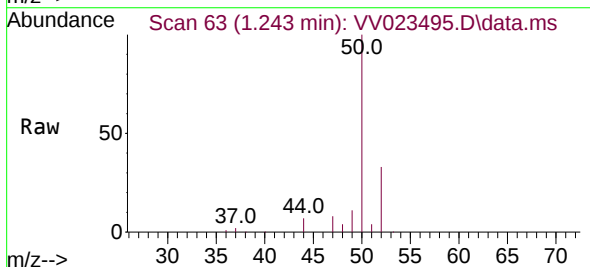
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

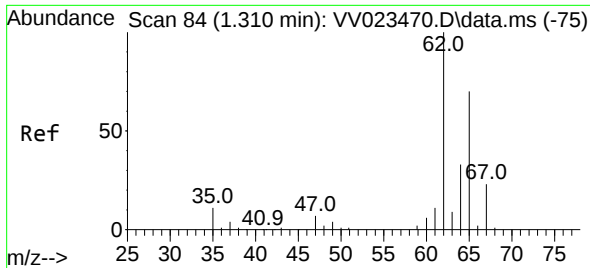
Tgt Ion: 85 Resp: 56221
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.6 39.8



#3
 Chloromethane
 Concen: 4.972 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV023495.D
 Acq: 15 Nov 2021 20:17

Tgt Ion: 50 Resp: 52057
 Ion Ratio Lower Upper
 50 100
 52 33.1 24.3 45.1

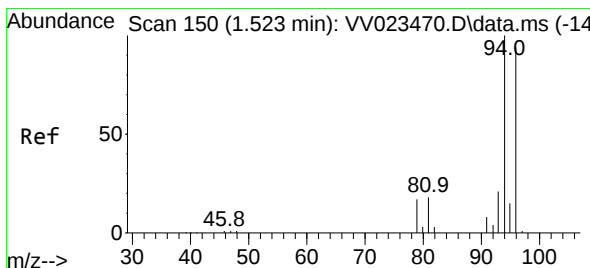
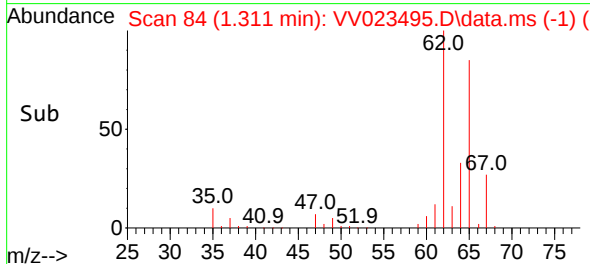
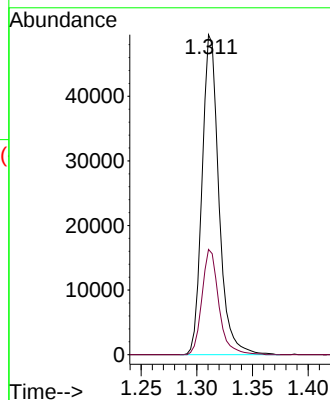
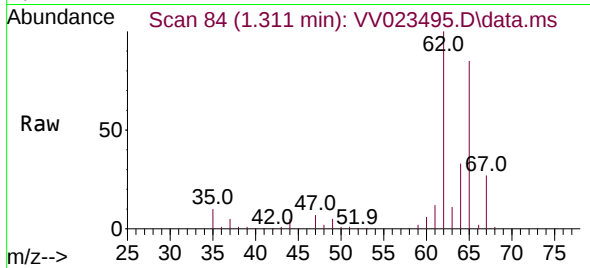




#5
 Vinyl chloride
 Concen: 4.969 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023495.D
 Acq: 15 Nov 2021 20:17

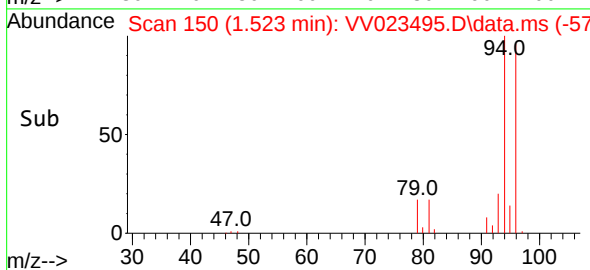
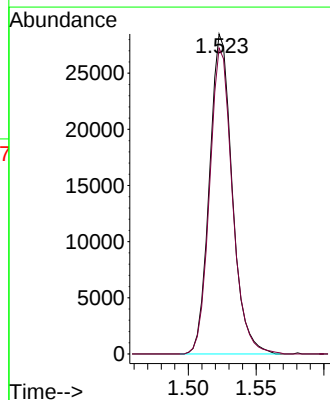
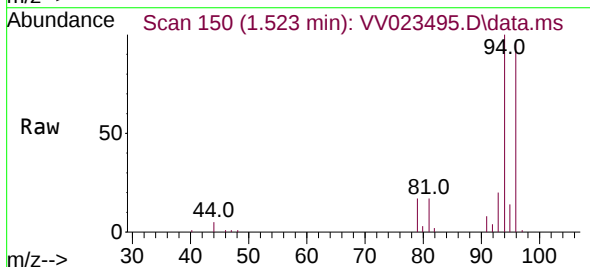
Instrument :
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 ClientSampleId :
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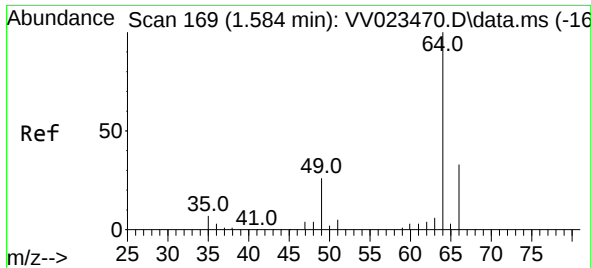
Tgt Ion: 62 Resp: 51962
 Ion Ratio Lower Upper
 62 100
 64 32.9 23.1 42.9



#6
 Bromomethane
 Concen: 4.978 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023495.D
 Acq: 15 Nov 2021 20:17

Tgt Ion: 94 Resp: 33273
 Ion Ratio Lower Upper
 94 100
 96 95.6 65.0 120.8

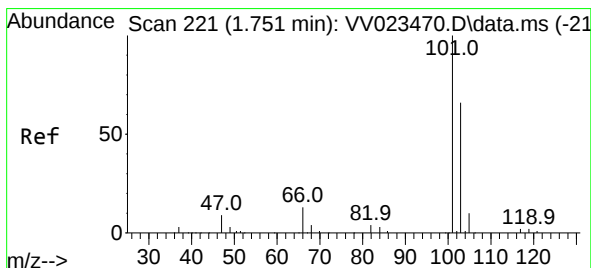
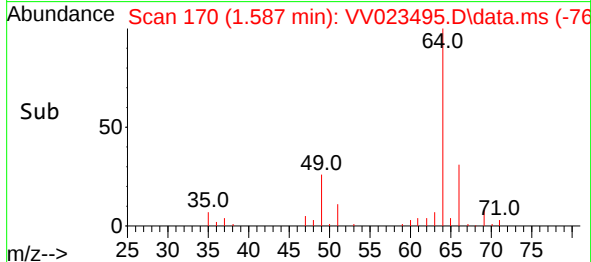
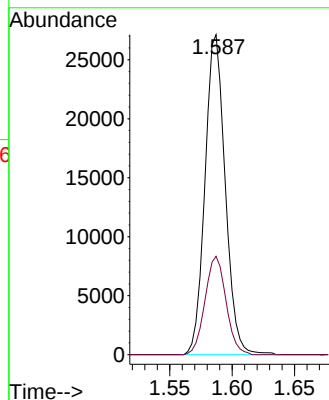
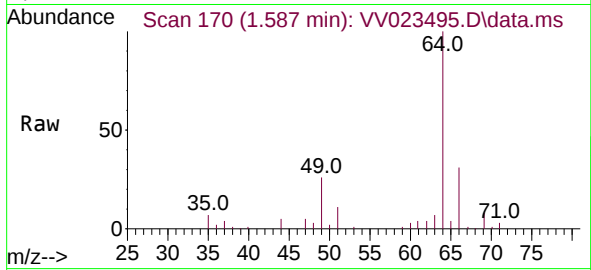




#8
Chloroethane
Concen: 5.075 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

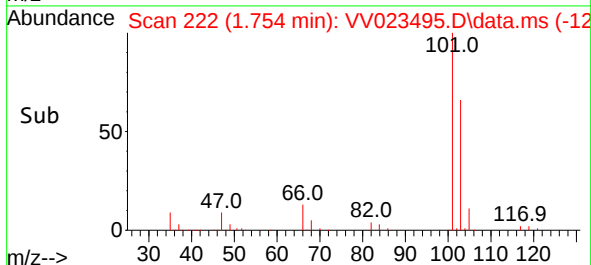
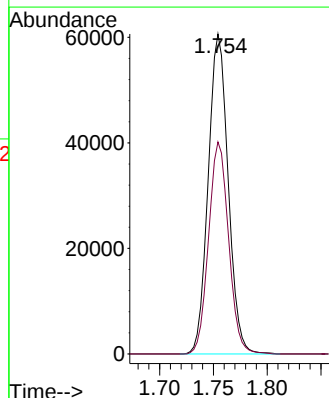
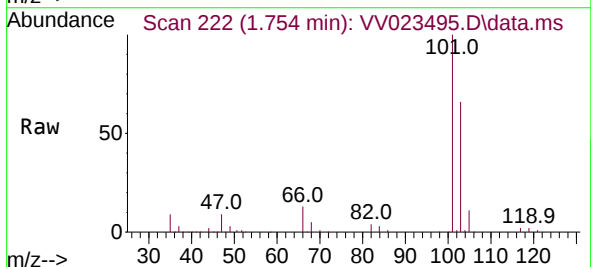
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ClientSampleId :
VSTD005355

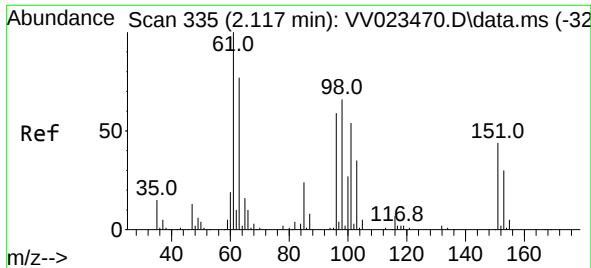
Tgt Ion: 64 Resp: 30628
Ion Ratio Lower Upper
64 100
66 30.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.977 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion:101 Resp: 78197
Ion Ratio Lower Upper
101 100
103 66.5 52.6 79.0

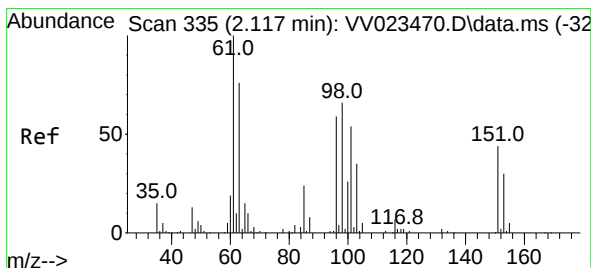
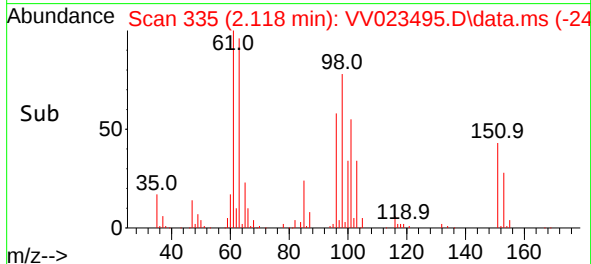
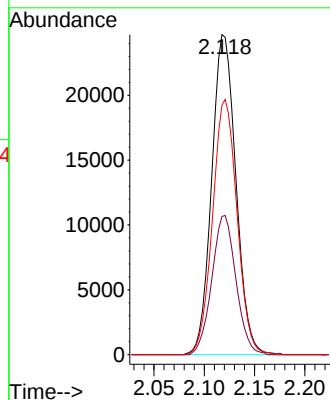
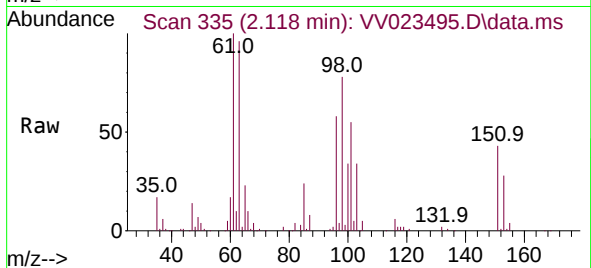




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.224 ug/L
RT: 2.118 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

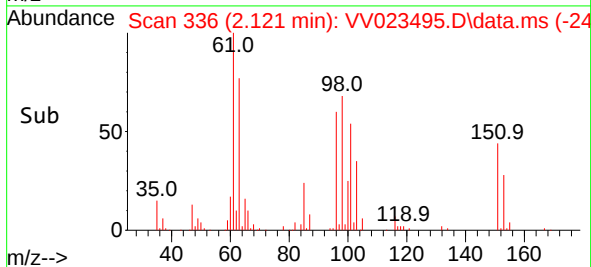
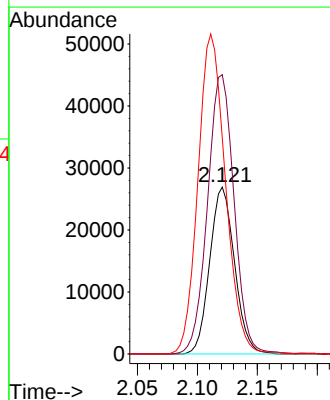
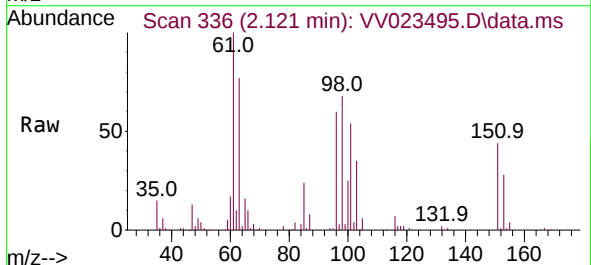
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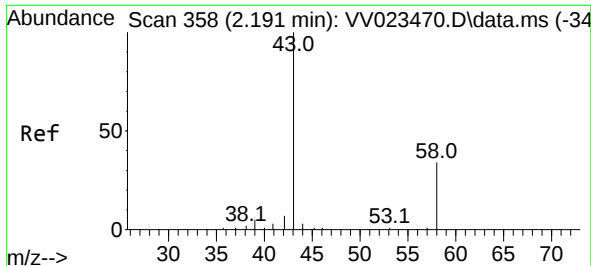
Tgt Ion:101 Resp: 41322
Ion Ratio Lower Upper
101 100
85 43.3 35.3 52.9
151 80.6 62.2 93.2



#12
1,1-Dichloroethene
Concen: 5.145 ug/L
RT: 2.121 min Scan# 336
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion: 96 Resp: 38750
Ion Ratio Lower Upper
96 100
61 167.4 121.5 225.7
63 129.4 99.6 185.0





#13

Acetone

Concen: 63.006 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.009 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

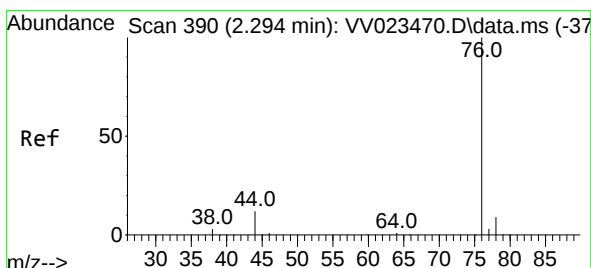
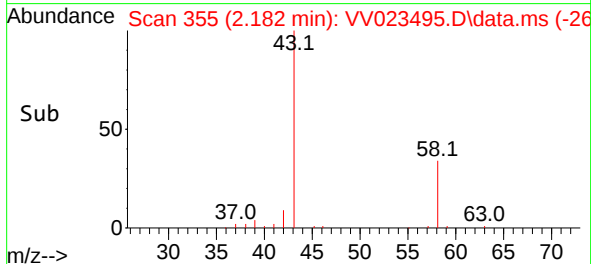
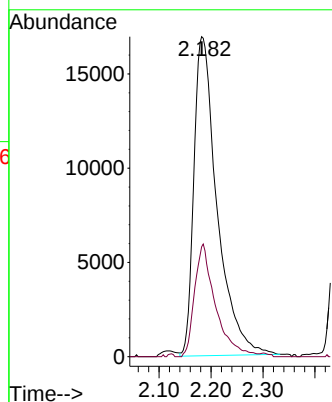
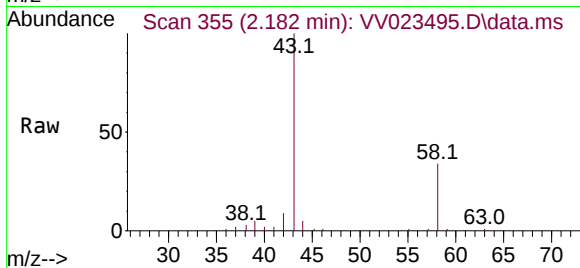
VSTD005355

Tgt Ion: 43 Resp: 52476

Ion Ratio Lower Upper

43 100

58 31.9 0.0 55.4



#14

Carbon disulfide

Concen: 4.279 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV023495.D

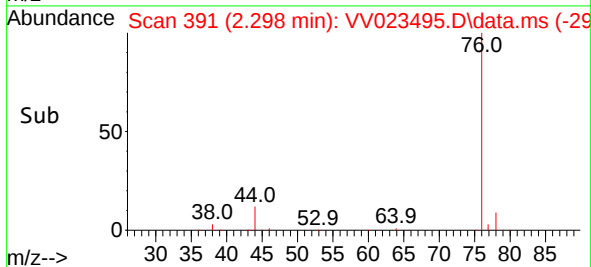
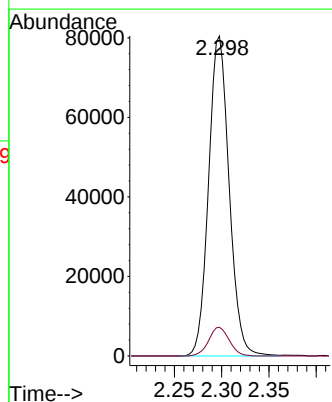
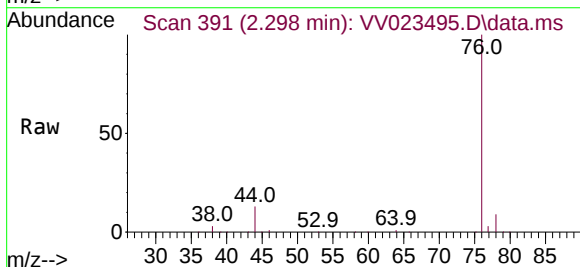
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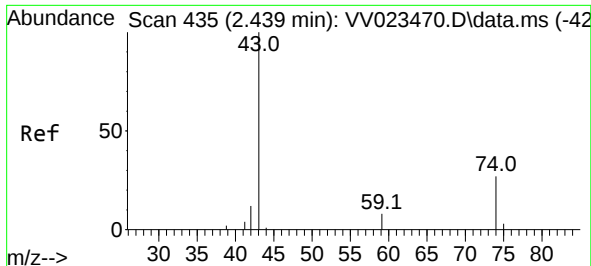
Tgt Ion: 76 Resp: 121603

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

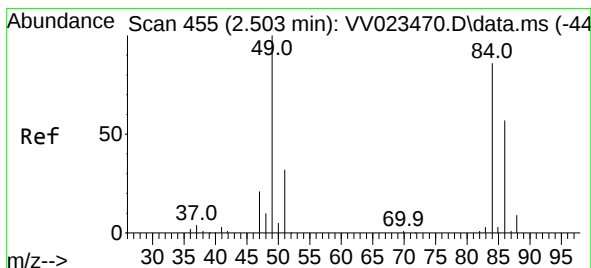
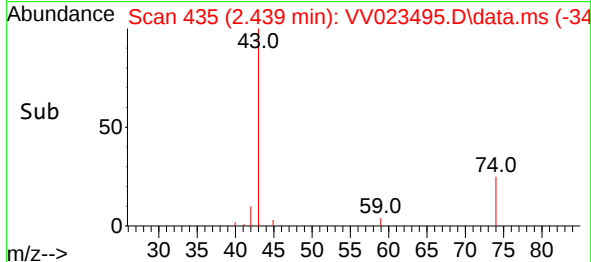
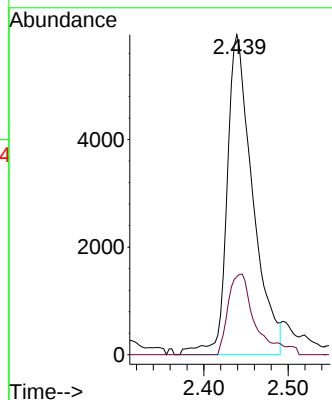
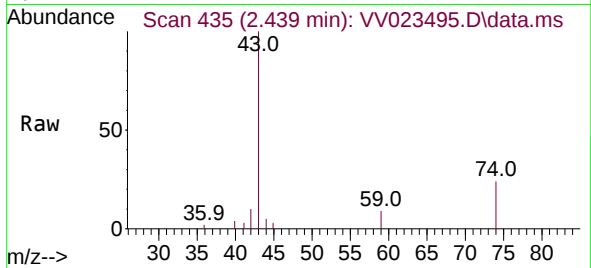




#15
Methyl Acetate
Concen: 5.335 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

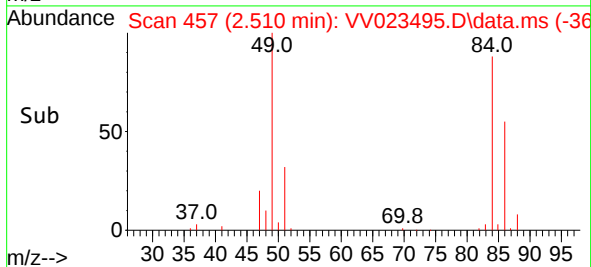
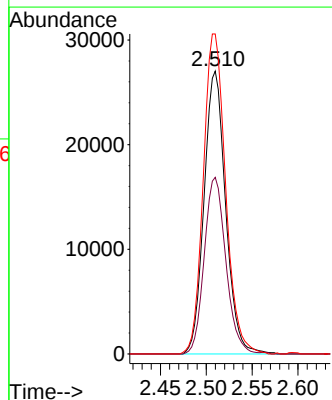
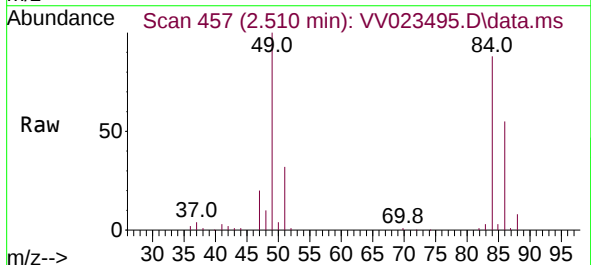
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

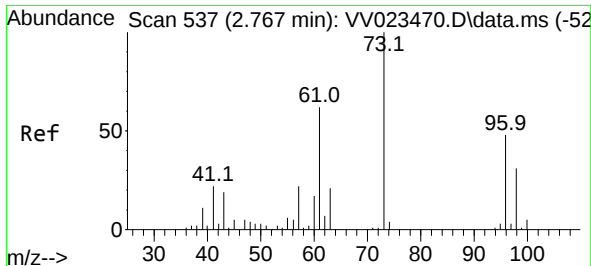
Tgt Ion: 43 Resp: 12576
Ion Ratio Lower Upper
43 100
74 26.5 22.2 33.2



#16
Methylene chloride
Concen: 4.029 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.007 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion: 84 Resp: 44287
Ion Ratio Lower Upper
84 100
86 62.5 42.3 78.5
49 113.1 79.7 148.1

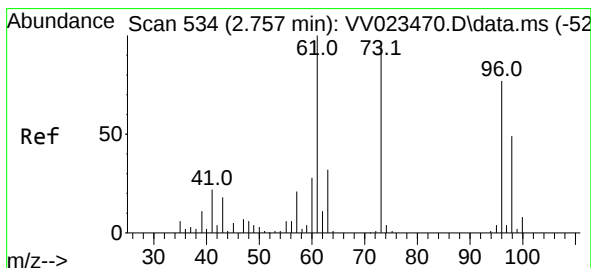
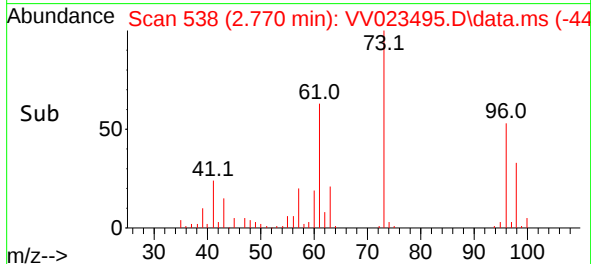
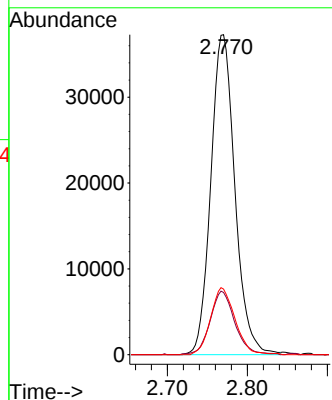
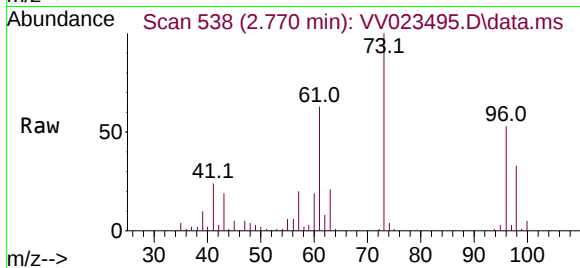




#17
Methyl tert-butyl Ether
Concen: 4.706 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

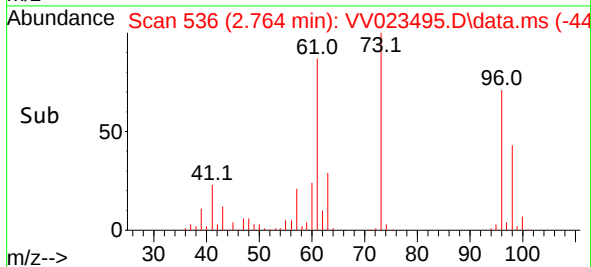
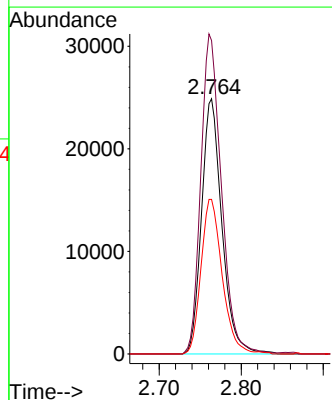
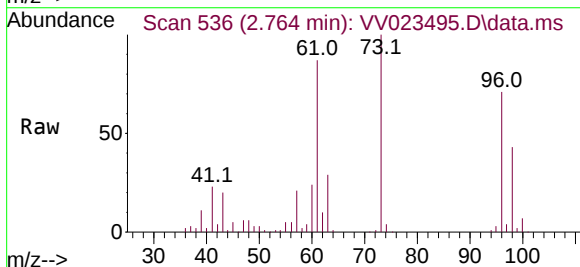
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

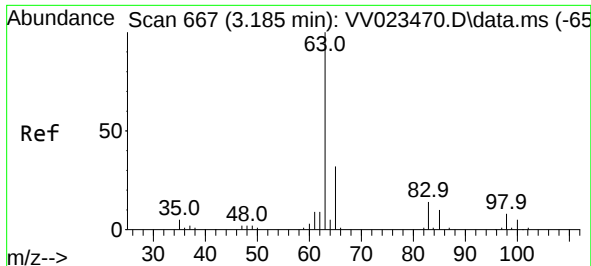
Tgt Ion: 73 Resp: 78024
Ion Ratio Lower Upper
73 100
43 20.4 17.4 26.0
57 21.1 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 4.639 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.007 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion: 96 Resp: 42950
Ion Ratio Lower Upper
96 100
61 122.9 93.2 173.2
98 60.6 47.0 87.2

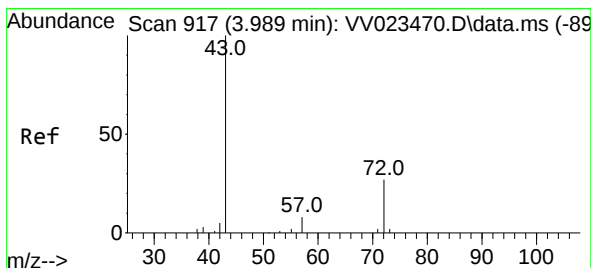
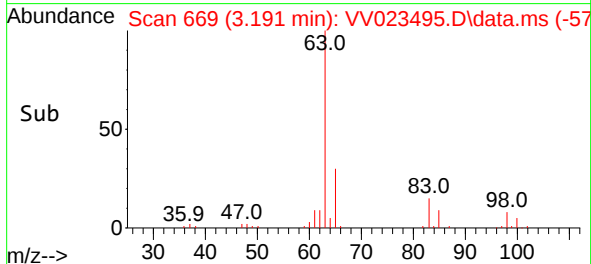
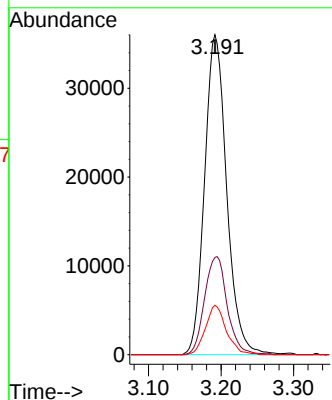
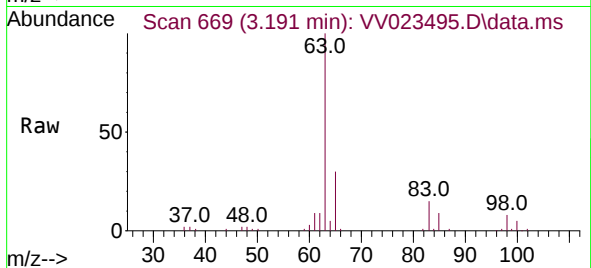




#19
1,1-Dichloroethane
Concen: 4.884 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.007 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

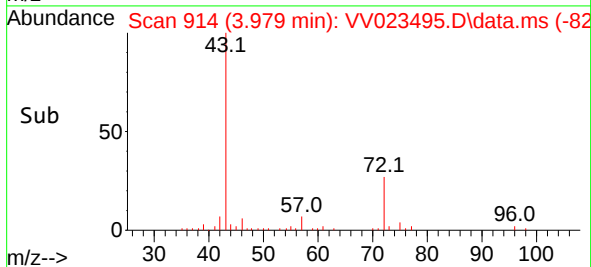
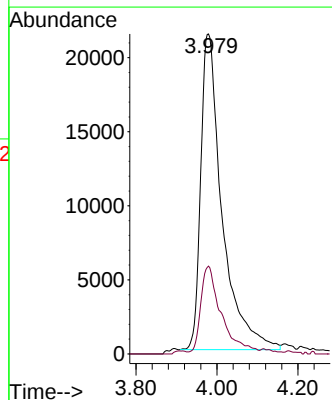
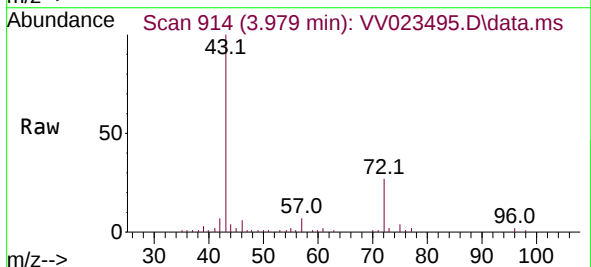
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

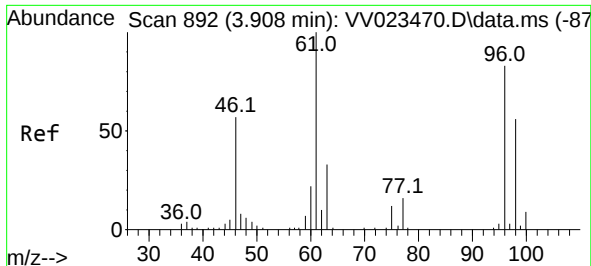
Tgt Ion: 63 Resp: 76343
Ion Ratio Lower Upper
63 100
65 30.4 22.6 42.0
83 15.4 11.1 20.7



#21
2-Butanone
Concen: 57.947 ug/L
RT: 3.979 min Scan# 914
Delta R.T. -0.009 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion: 43 Resp: 78030
Ion Ratio Lower Upper
43 100
72 27.1 11.9 35.9

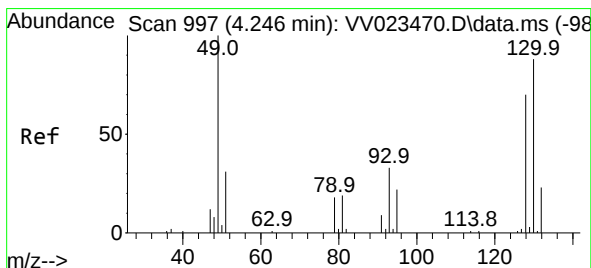
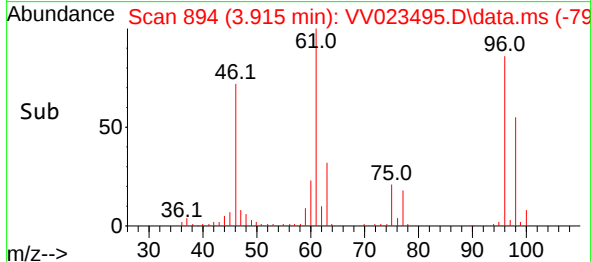
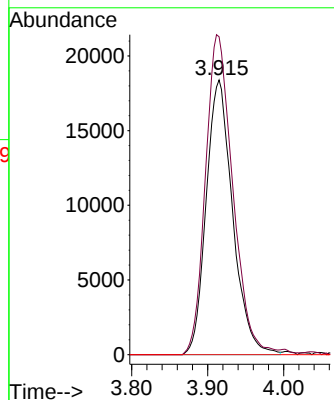
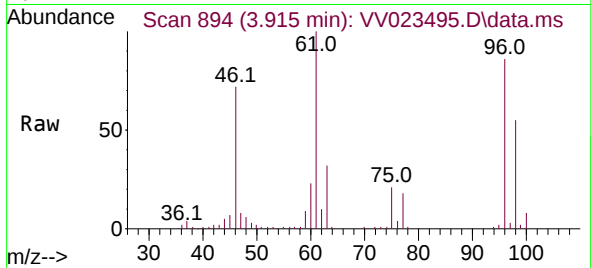




#22
 cis-1,2-Dichloroethene
 Concen: 4.992 ug/L
 RT: 3.915 min Scan# 894
 Delta R.T. 0.007 min
 Lab File: VV023495.D
 Acq: 15 Nov 2021 20:17

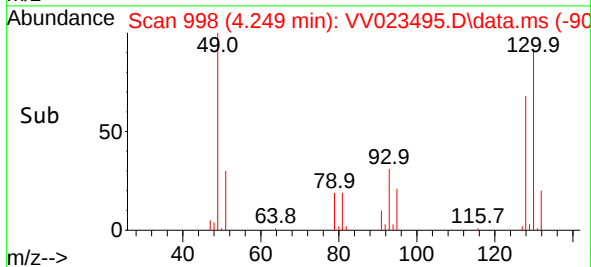
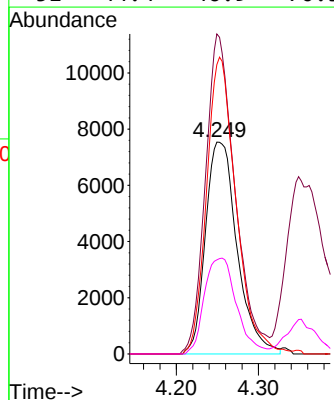
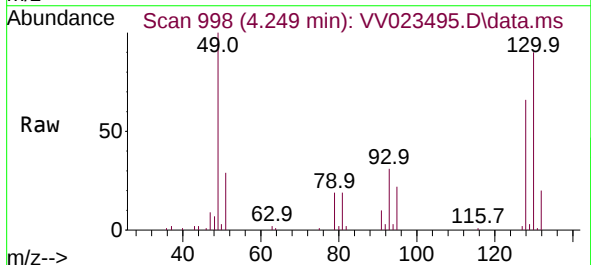
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005355

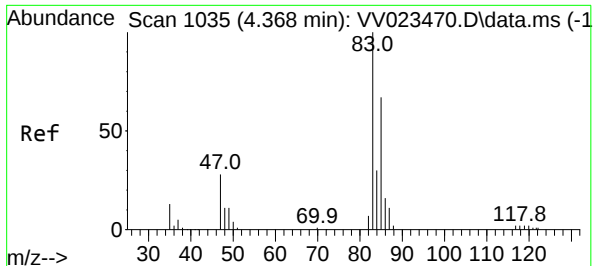
Tgt Ion: 96 Resp: 44480
 Ion Ratio Lower Upper
 96 100
 61 115.7 92.3 171.3
 68 0.0 0.4 0.8#



#23
 Bromochloromethane
 Concen: 4.911 ug/L
 RT: 4.249 min Scan# 998
 Delta R.T. 0.003 min
 Lab File: VV023495.D
 Acq: 15 Nov 2021 20:17

Tgt Ion: 128 Resp: 20178
 Ion Ratio Lower Upper
 128 100
 49 151.0 126.1 234.3
 130 136.5 95.2 176.8
 51 44.4 46.9 70.3#





#25

Chloroform

Concen: 5.014 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

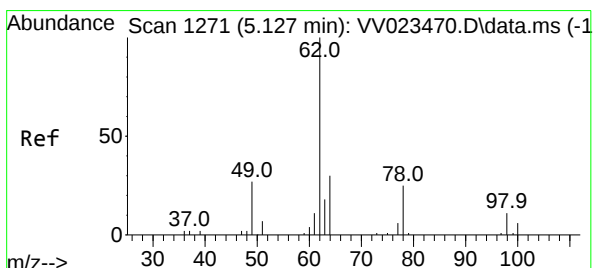
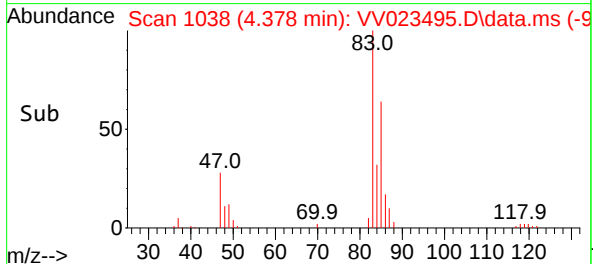
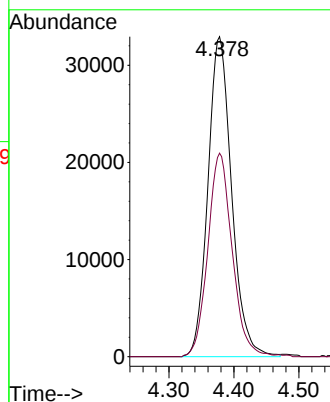
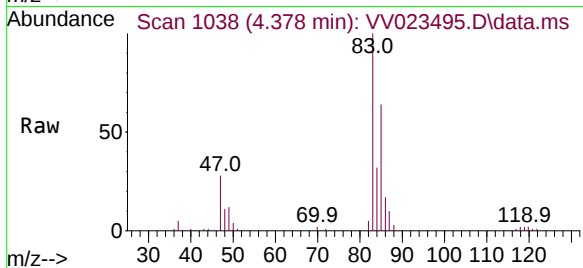
VSTD005355

Tgt Ion: 83 Resp: 83541

Ion Ratio Lower Upper

83 100

85 63.6 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.981 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.007 min

Lab File: VV023495.D

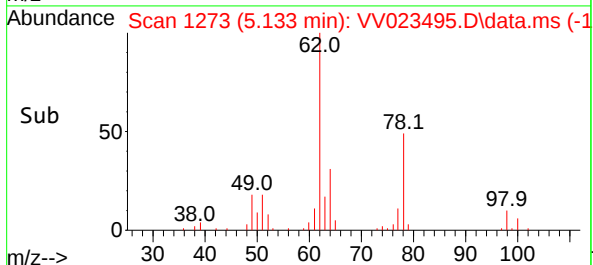
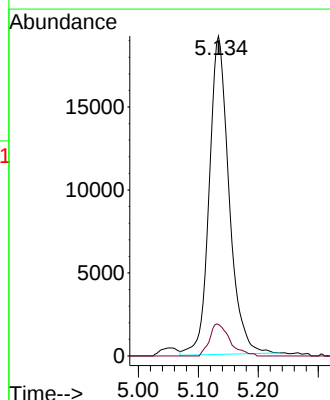
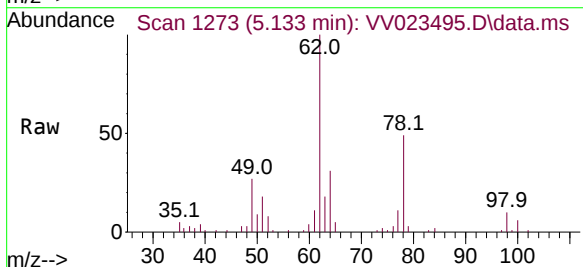
Acq: 15 Nov 2021 20:17

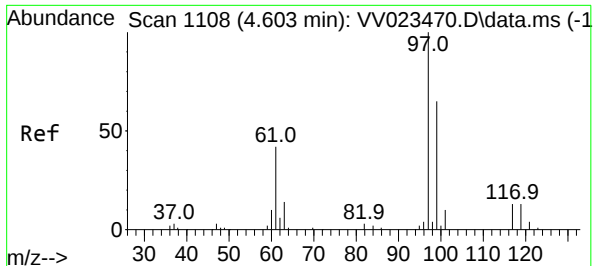
Tgt Ion: 62 Resp: 44148

Ion Ratio Lower Upper

62 100

98 9.8 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.893 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

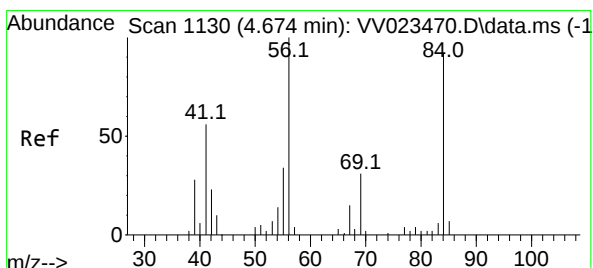
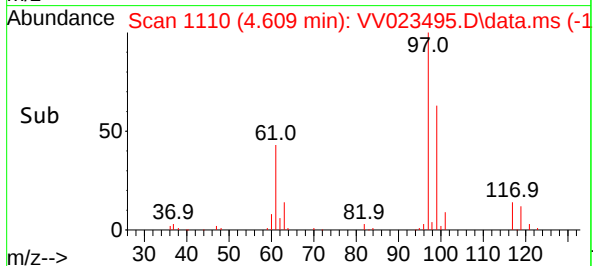
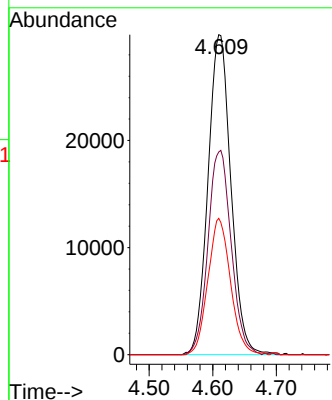
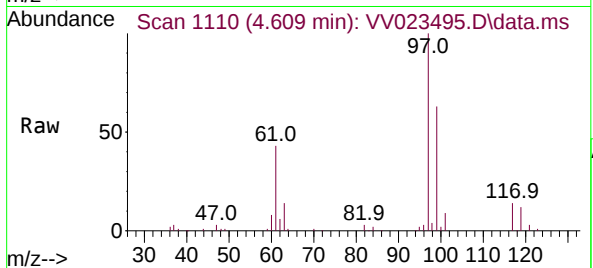
Tgt Ion: 97 Resp: 74837

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

61 42.0 34.1 51.1



#30

Cyclohexane

Concen: 4.485 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.007 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

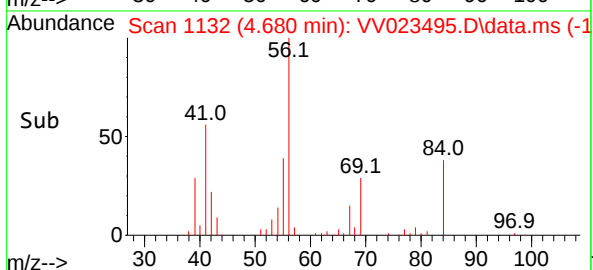
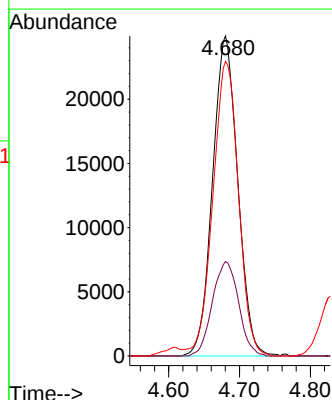
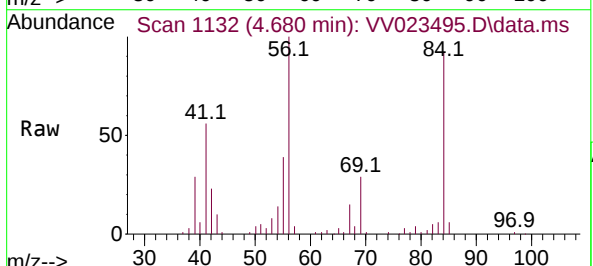
Tgt Ion: 56 Resp: 61462

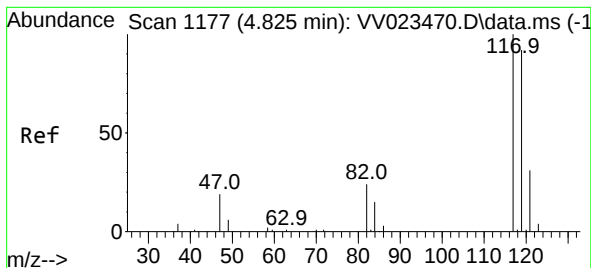
Ion Ratio Lower Upper

56 100

69 30.7 23.5 35.3

84 93.6 71.6 107.4





#31

Carbon tetrachloride

Concen: 4.967 ug/L

RT: 4.828 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

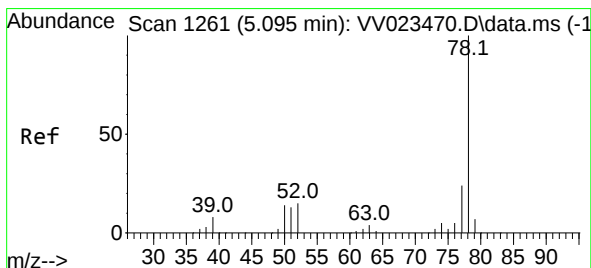
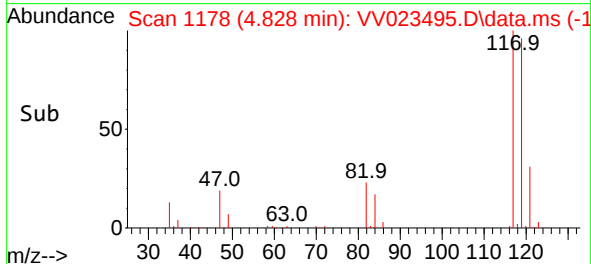
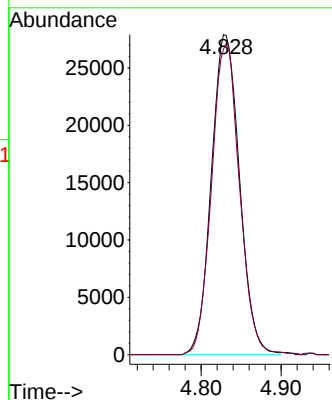
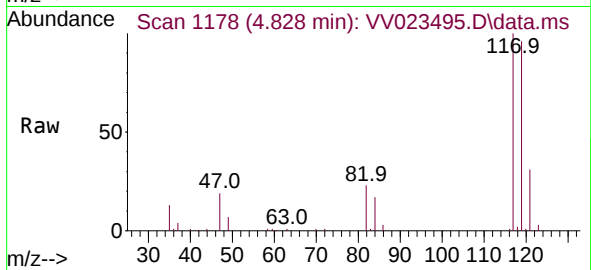
VSTD005355

Tgt Ion:117 Resp: 68226

Ion Ratio Lower Upper

117 100

119 96.5 78.8 118.2



#33

Benzene

Concen: 4.933 ug/L

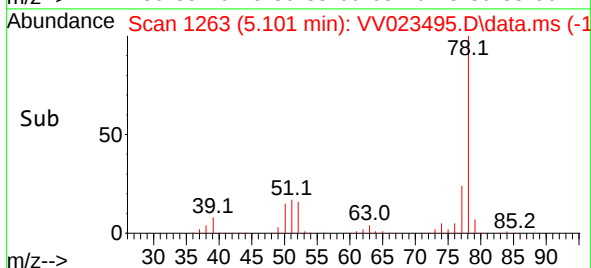
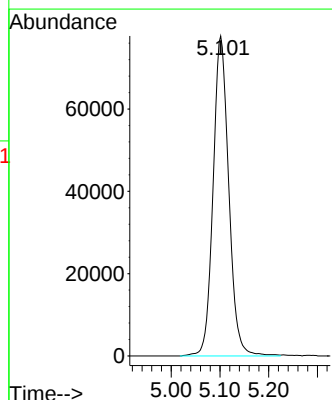
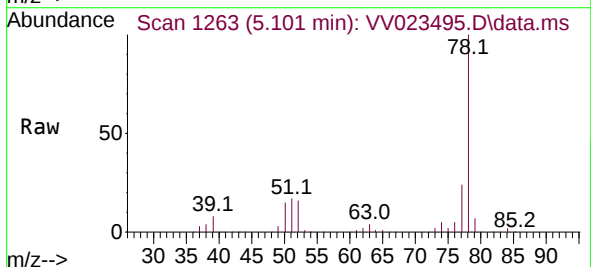
RT: 5.101 min Scan# 1263

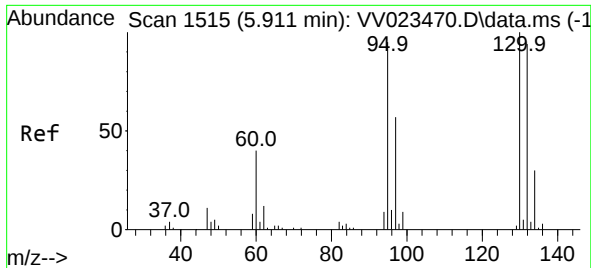
Delta R.T. 0.007 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Tgt Ion: 78 Resp: 173620



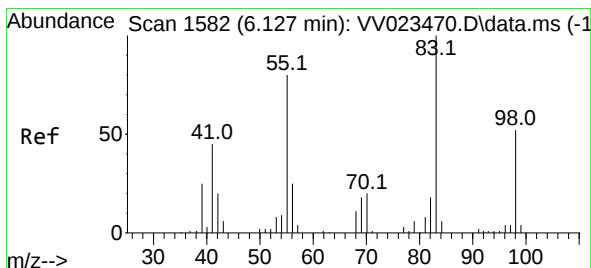
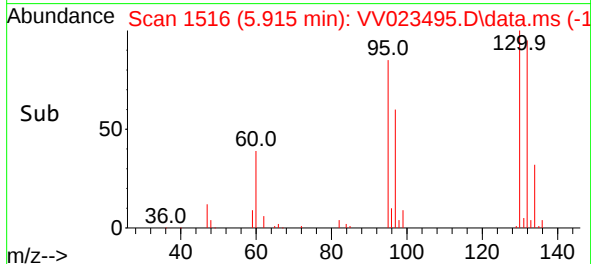
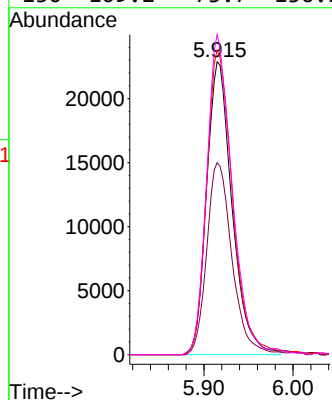
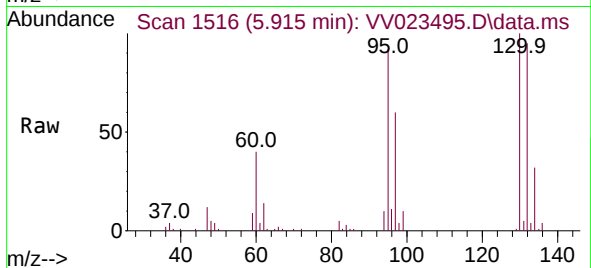


#34
Trichloroethene
Concen: 4.853 ug/L
RT: 5.915 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

Tgt Ion: 95 Resp: 45421

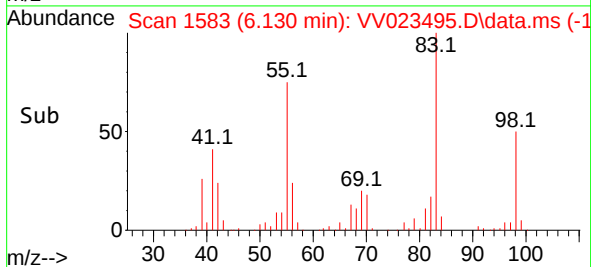
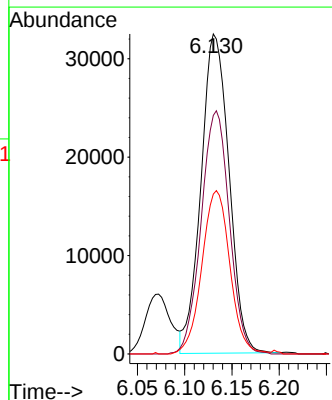
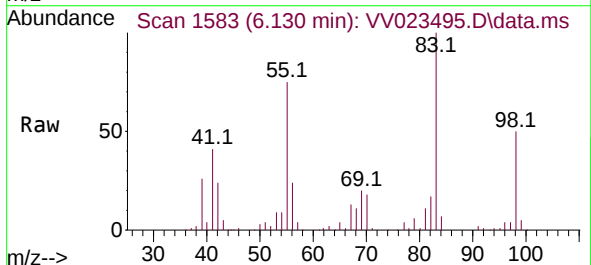
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.0	83.6
132	104.0	69.7	129.4
130	109.2	73.7	136.9

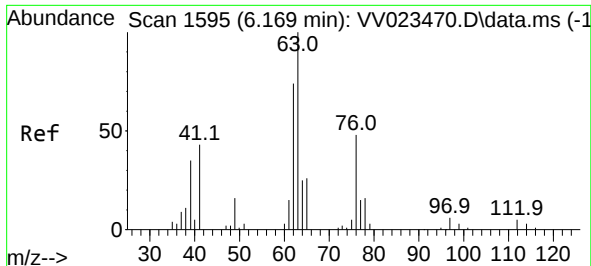


#35
Methylcyclohexane
Concen: 4.536 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion: 83 Resp: 67020

Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.8	94.2
98	51.2	37.9	56.9





#37

1,2-Dichloropropane

Concen: 4.915 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

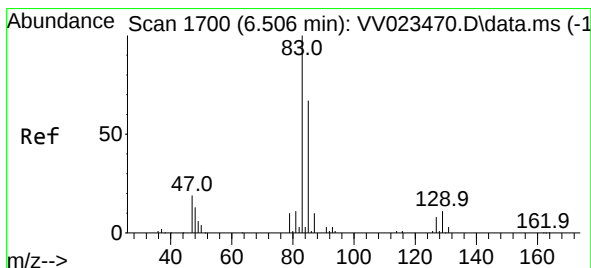
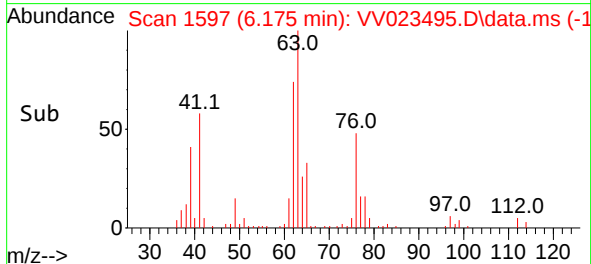
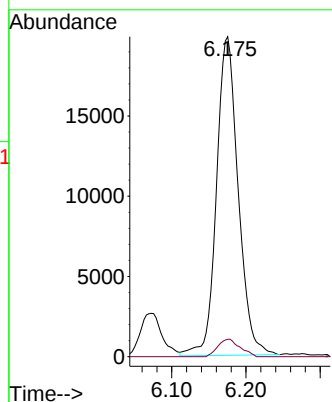
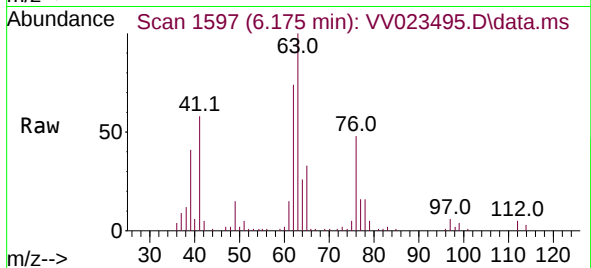
VSTD005355

Tgt Ion: 63 Resp: 40388

Ion Ratio Lower Upper

63 100

112 5.6 4.6 6.8



#38

Bromodichloromethane

Concen: 4.781 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

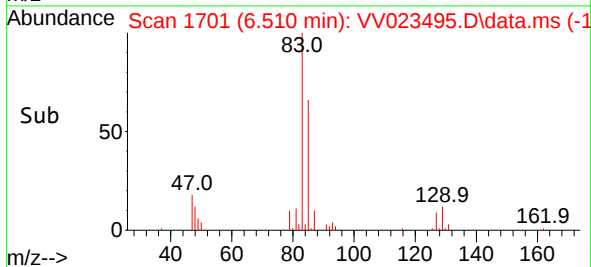
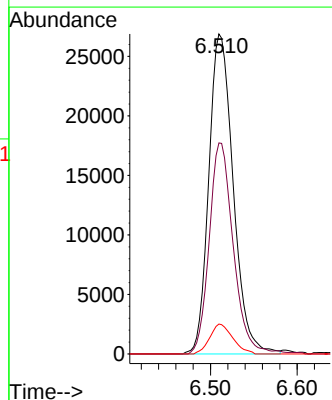
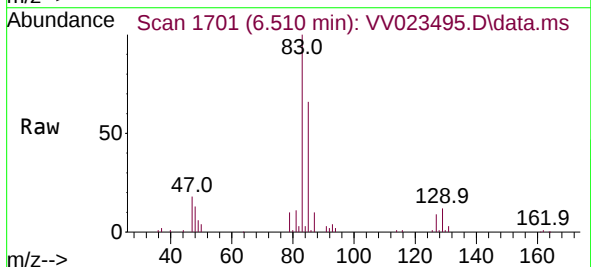
Tgt Ion: 83 Resp: 52645

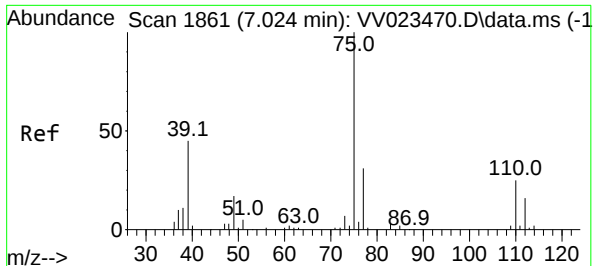
Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

127 9.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.526 ug/L

RT: 7.031 min Scan# 1863

Delta R.T. 0.007 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

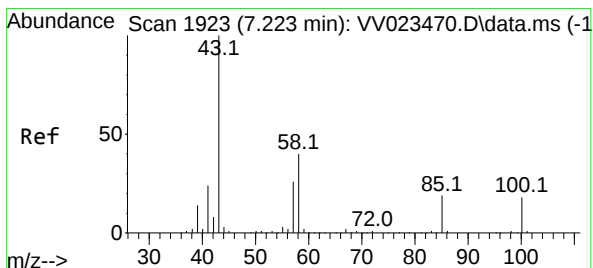
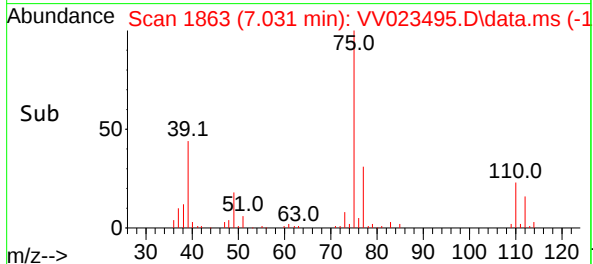
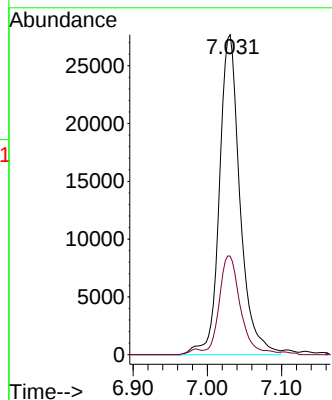
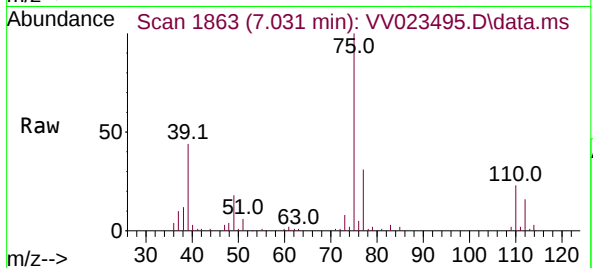
VSTD005355

Tgt Ion: 75 Resp: 53491

Ion Ratio Lower Upper

75 100

77 30.8 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 51.889 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

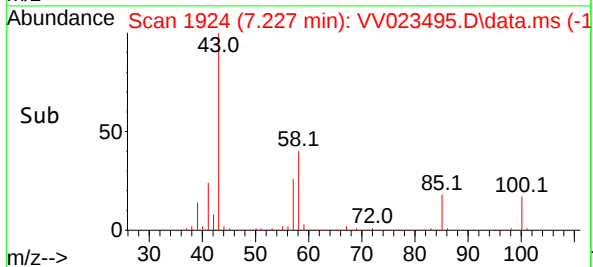
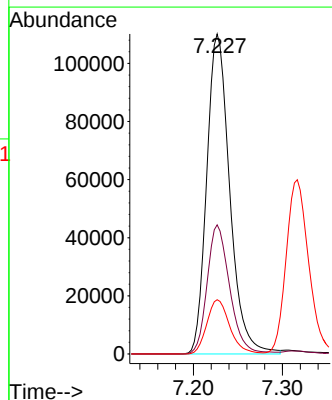
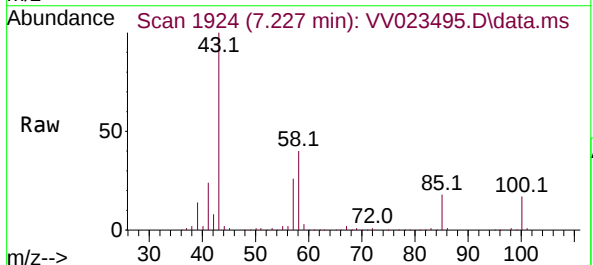
Tgt Ion: 43 Resp: 197749

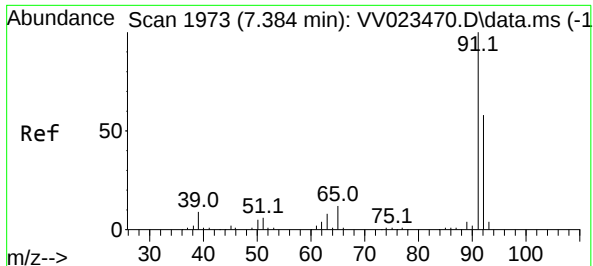
Ion Ratio Lower Upper

43 100

58 39.5 31.1 46.7

100 16.9 12.6 19.0





#42

Toluene

Concen: 5.104 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

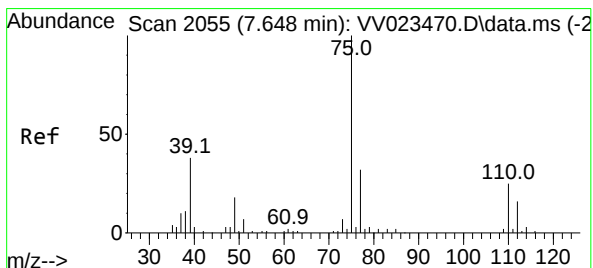
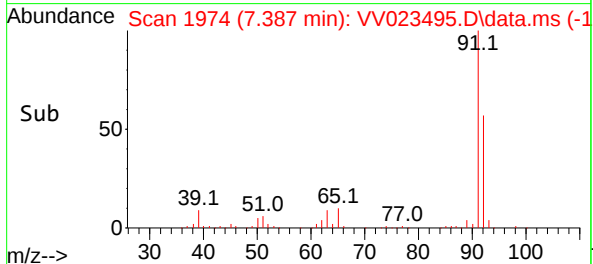
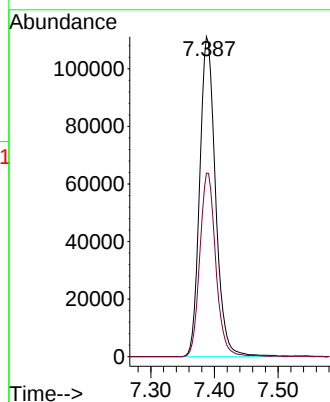
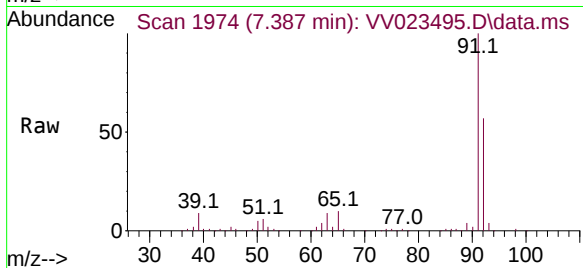
VSTD005355

Tgt Ion: 91 Resp: 192141

Ion Ratio Lower Upper

91 100

92 57.4 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 4.759 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.007 min

Lab File: VV023495.D

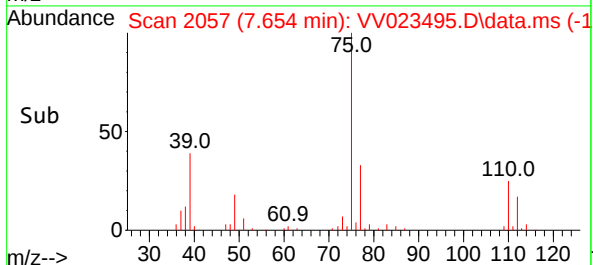
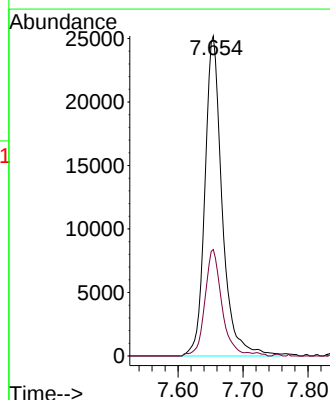
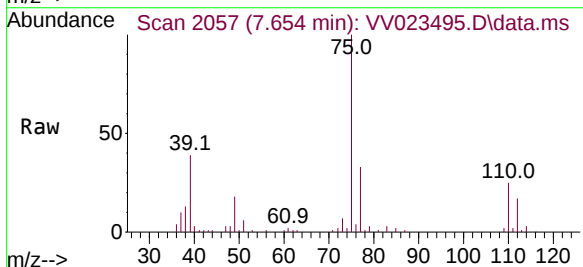
Acq: 15 Nov 2021 20:17

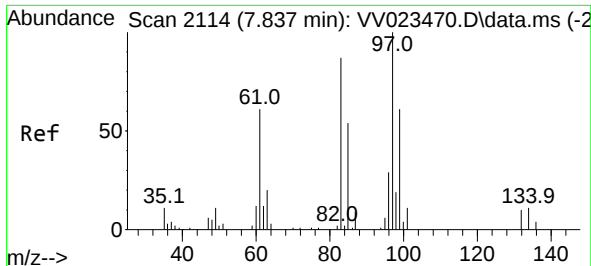
Tgt Ion: 75 Resp: 46669

Ion Ratio Lower Upper

75 100

77 33.3 22.5 41.7

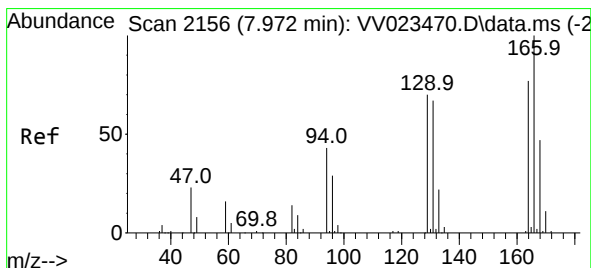
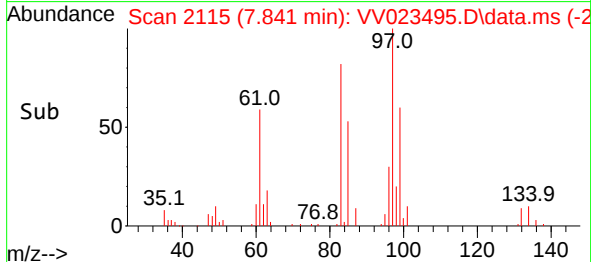
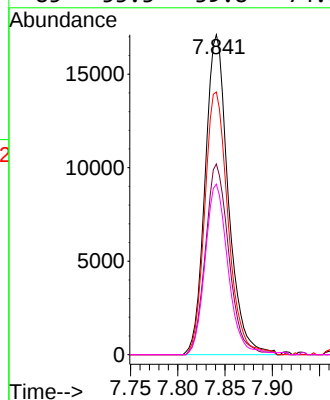
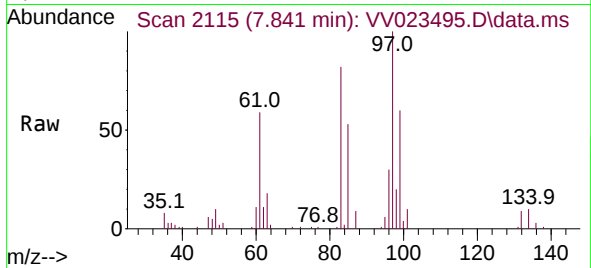




#45
1,1,2-Trichloroethane
Concen: 4.938 ug/L
RT: 7.841 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

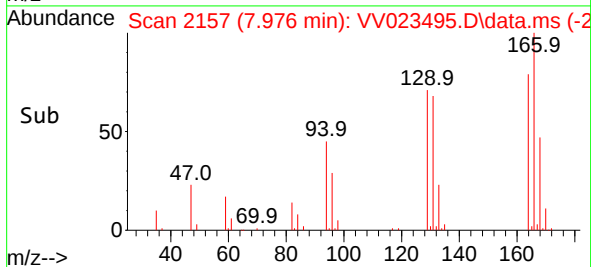
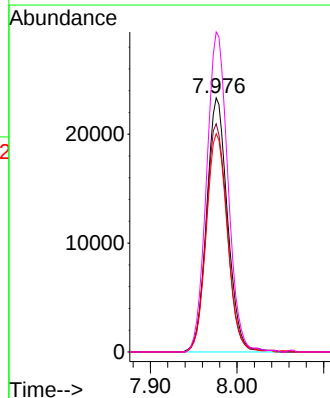
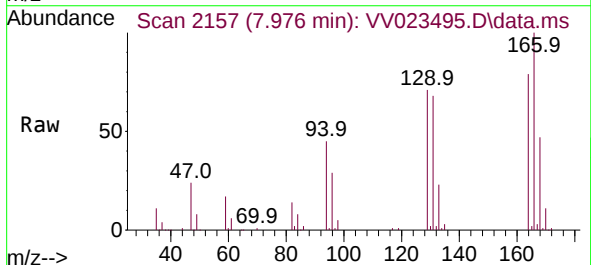
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

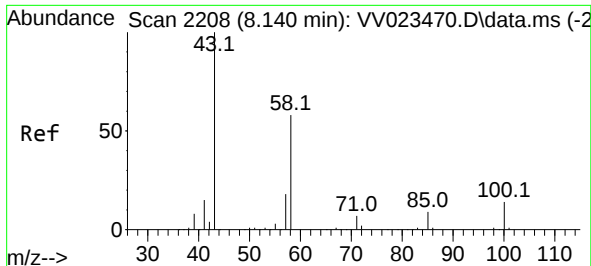
Tgt Ion:	97	Resp:	29155
Ion	Ratio	Lower	Upper
97	100		
99	59.6	43.6	81.0
83	82.1	58.4	108.4
85	53.3	39.8	74.0



#47
Tetrachloroethene
Concen: 4.842 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion:	164	Resp:	39274
Ion	Ratio	Lower	Upper
164	100		
129	89.8	64.0	119.0
131	85.8	63.4	117.8
166	125.9	89.3	165.9



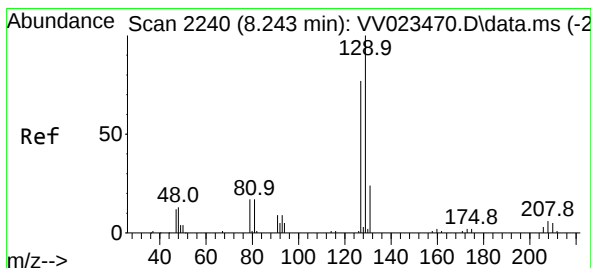
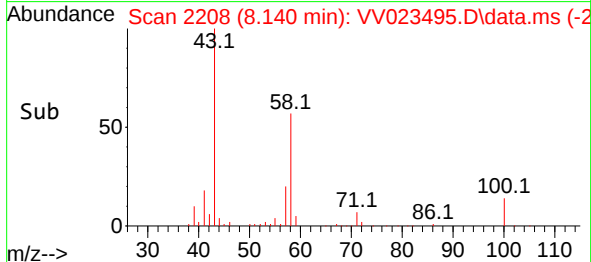
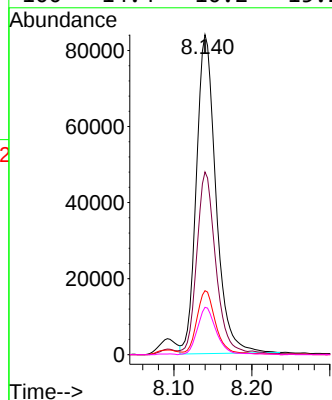
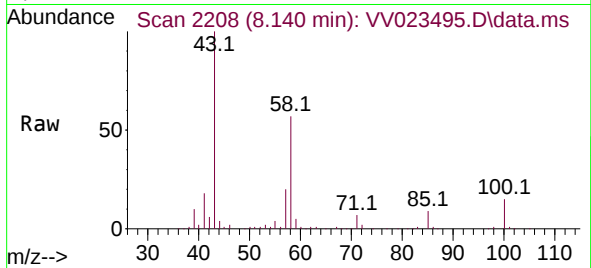


#48
2-Hexanone
Concen: 54.812 ug/L
RT: 8.140 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

Tgt Ion: 43 Resp: 146370

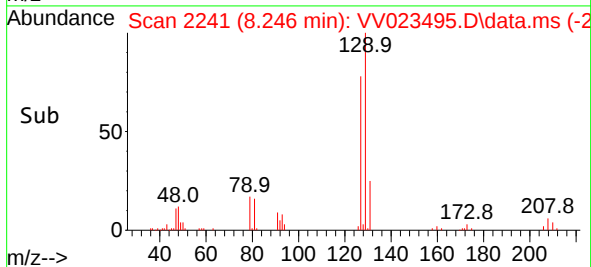
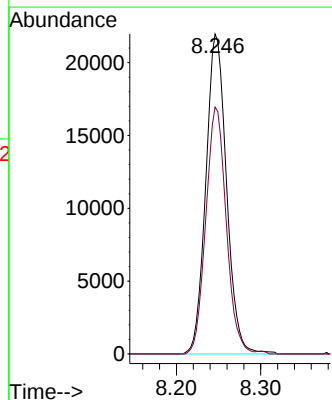
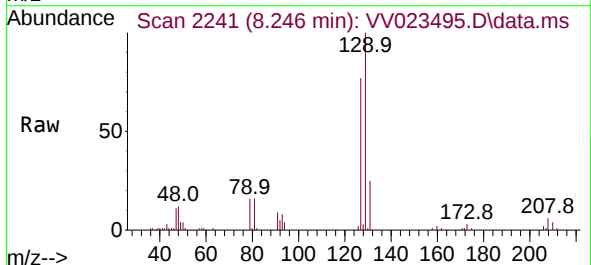
Ion	Ratio	Lower	Upper
43	100		
58	53.7	43.7	65.5
57	18.8	14.1	21.1
100	14.4	10.2	15.2

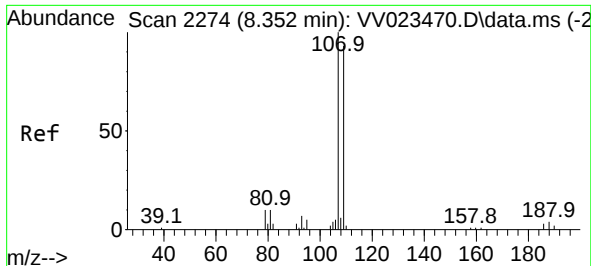


#49
Dibromochloromethane
Concen: 5.010 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion: 129 Resp: 37477

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.7	101.7





#50

1,2-Dibromoethane

Concen: 4.834 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

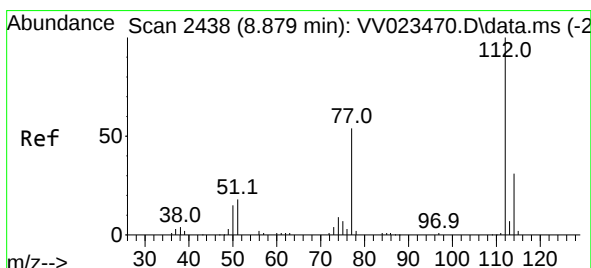
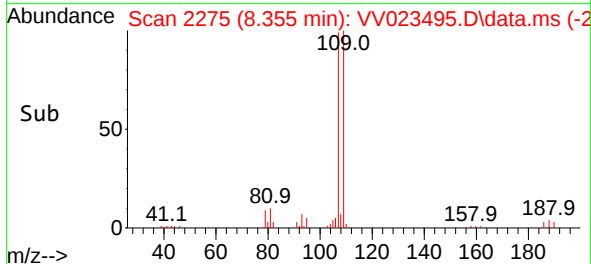
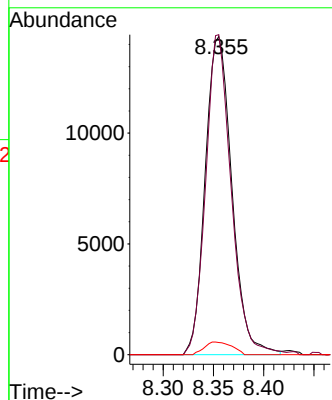
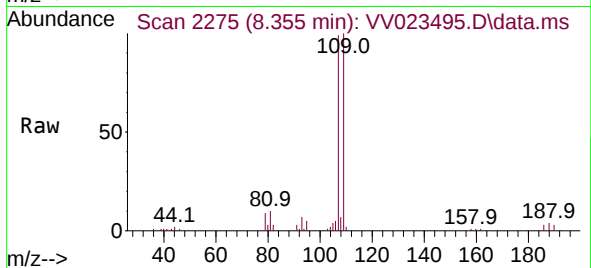
Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

Tgt Ion:	107	Resp:	26447
Ion	Ratio	Lower	Upper
107	100		
109	100.6	64.7	120.1
188	3.8	3.6	5.4



#51

Chlorobenzene

Concen: 4.756 ug/L

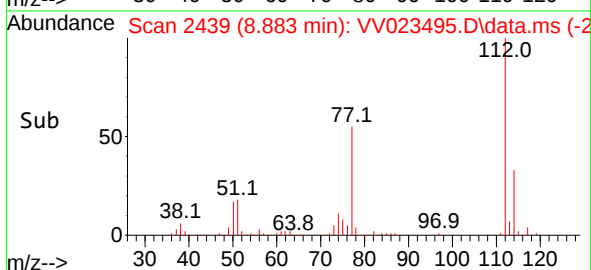
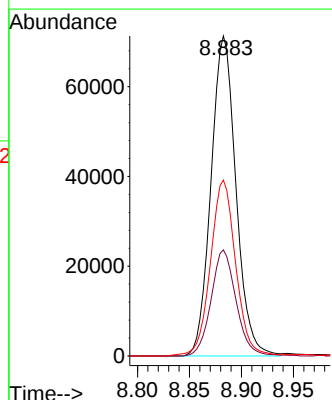
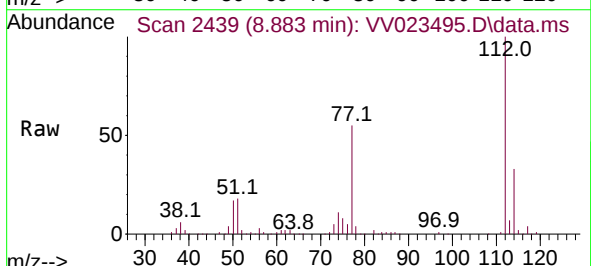
RT: 8.883 min Scan# 2439

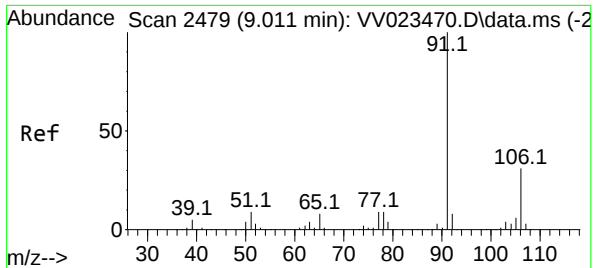
Delta R.T. 0.003 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Tgt Ion:	112	Resp:	119009
Ion	Ratio	Lower	Upper
112	100		
114	33.2	22.0	40.8
77	54.9	44.4	66.6





#52

Ethylbenzene

Concen: 4.843 ug/L

RT: 9.014 min Scan# 2479

Delta R.T. 0.003 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

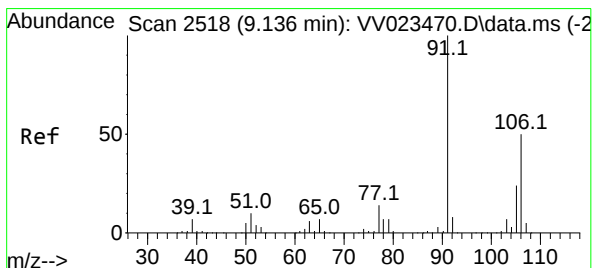
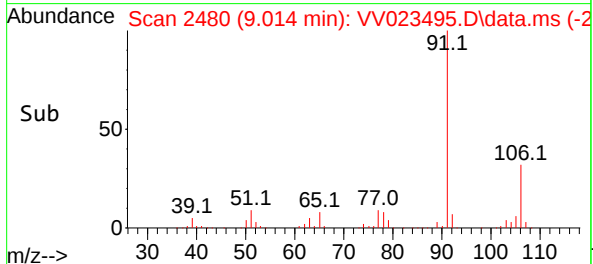
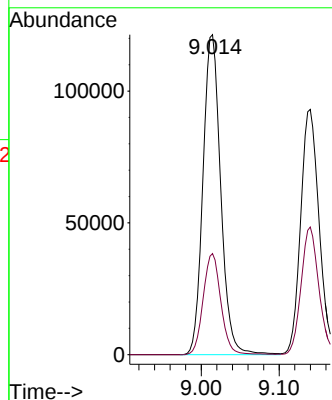
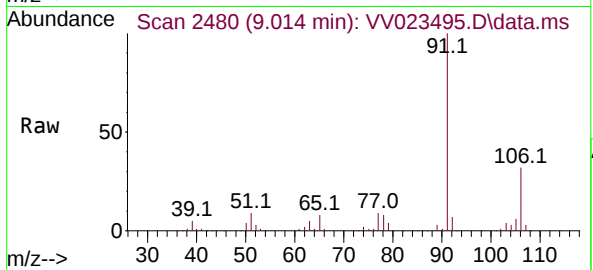
VSTD005355

Tgt Ion: 91 Resp: 192290

Ion Ratio Lower Upper

91 100

106 31.6 22.5 41.9



#53

m,p-xylene

Concen: 4.932 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023495.D

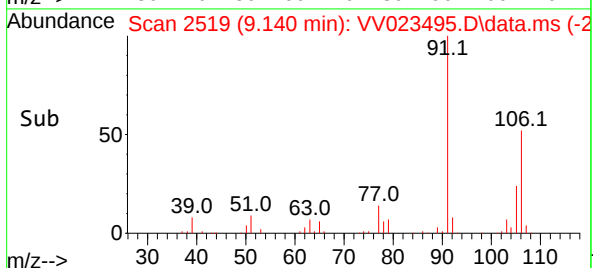
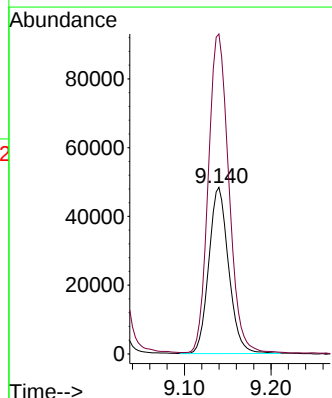
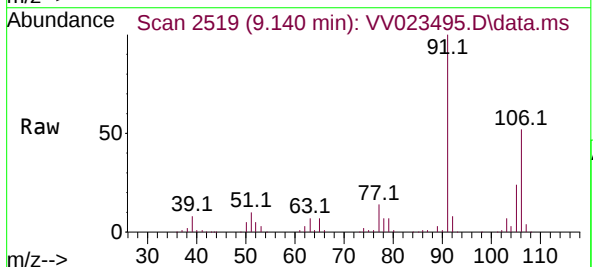
Acq: 15 Nov 2021 20:17

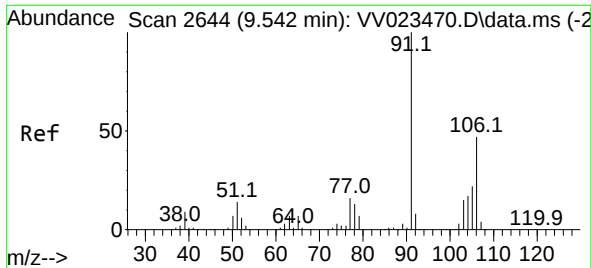
Tgt Ion: 106 Resp: 76852

Ion Ratio Lower Upper

106 100

91 192.2 137.2 254.8

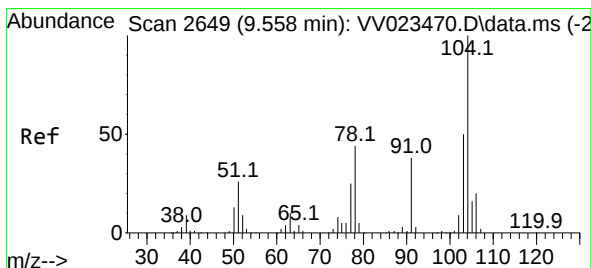
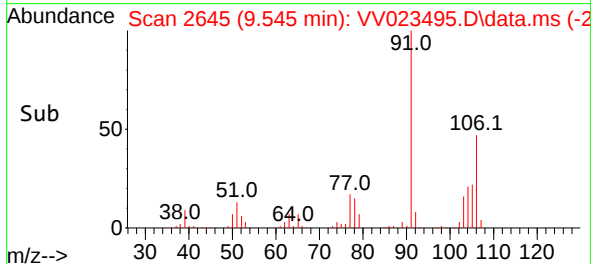
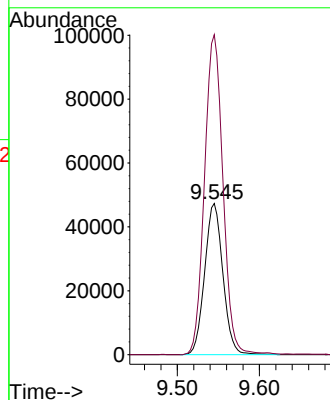
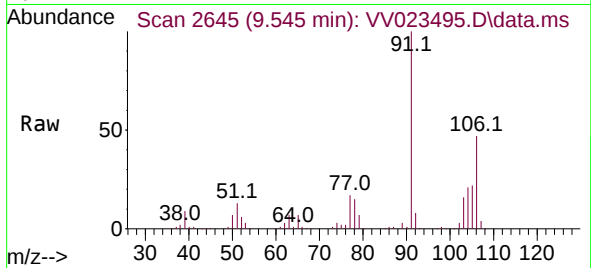




#54
o-xylene
Concen: 5.007 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

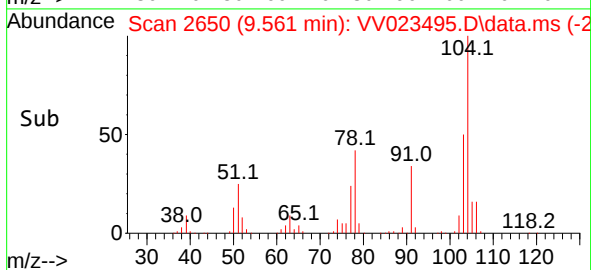
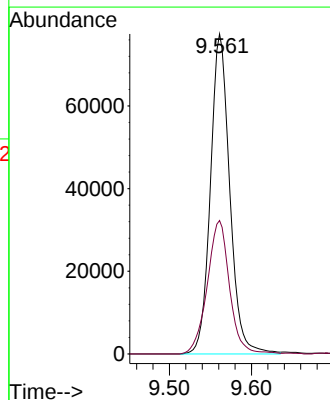
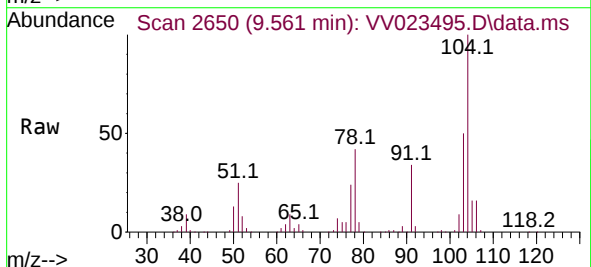
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

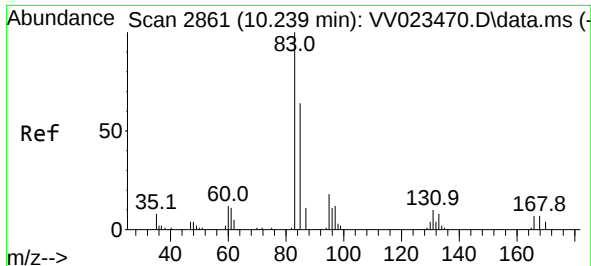
Tgt Ion:106 Resp: 73190
Ion Ratio Lower Upper
106 100
91 211.6 148.3 275.5



#55
Styrene
Concen: 5.070 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion:104 Resp: 126974
Ion Ratio Lower Upper
104 100
78 41.7 29.3 54.3

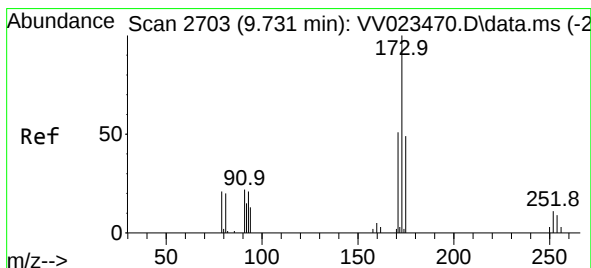
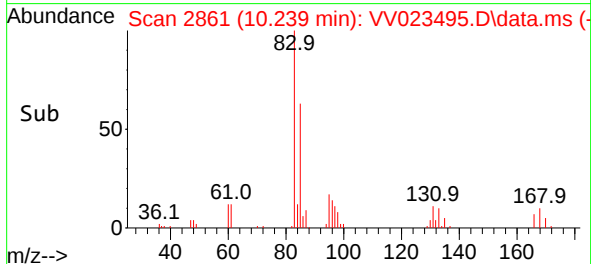
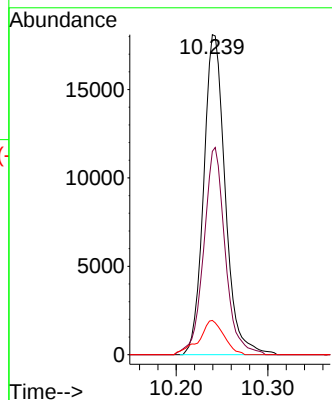
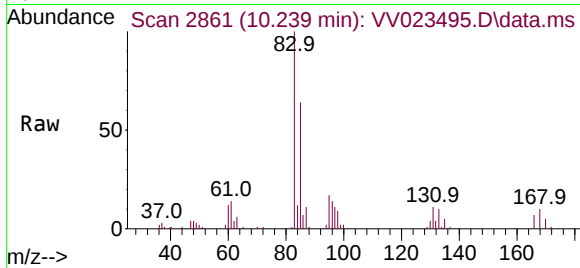




#57
1,1,2,2-Tetrachloroethane
Concen: 4.565 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

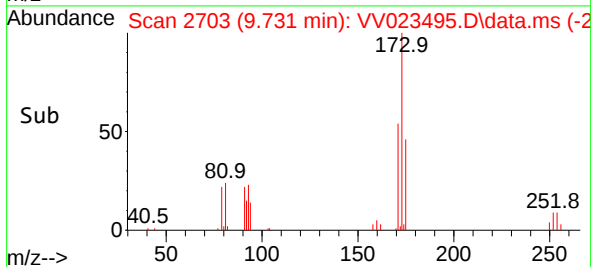
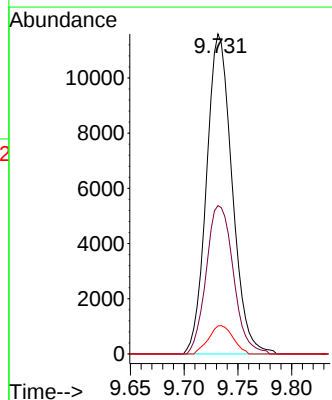
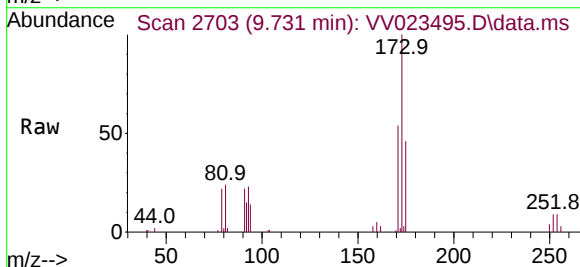
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

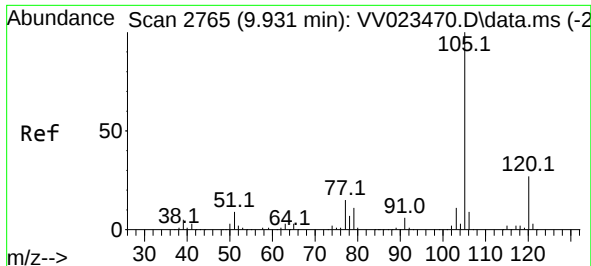
Tgt Ion: 83 Resp: 29528
Ion Ratio Lower Upper
83 100
85 63.6 45.1 83.9
131 10.7 7.8 11.6



#59
Bromoform
Concen: 4.687 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion: 173 Resp: 19220
Ion Ratio Lower Upper
173 100
175 49.1 38.2 57.2
254 8.4 6.2 9.2

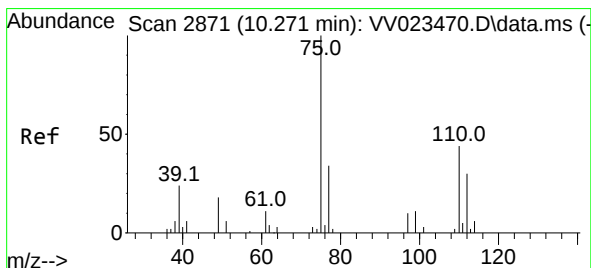
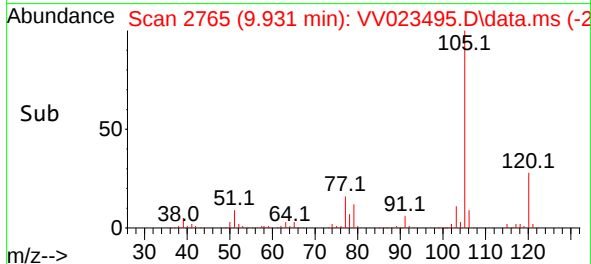
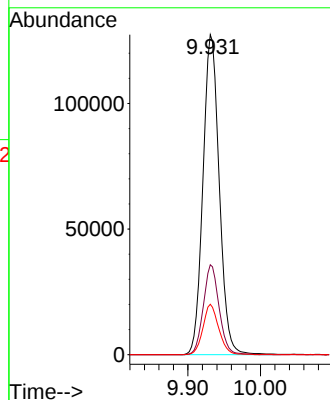
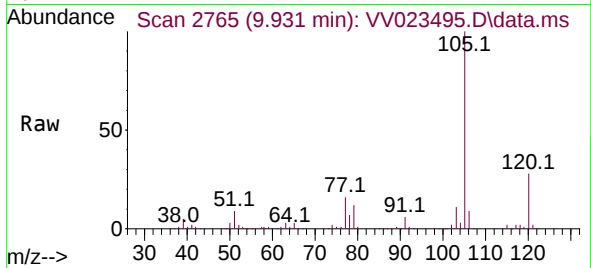




#60
Isopropylbenzene
Concen: 5.054 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

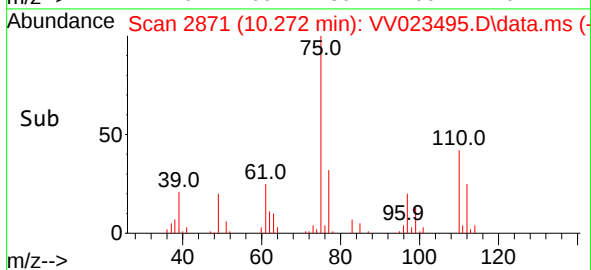
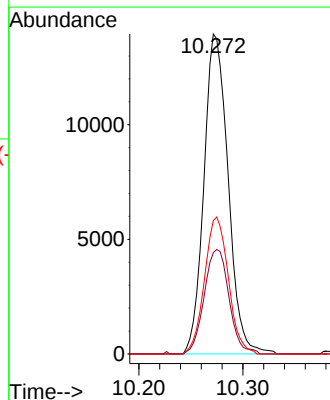
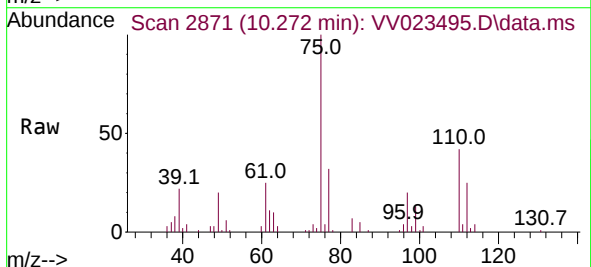
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

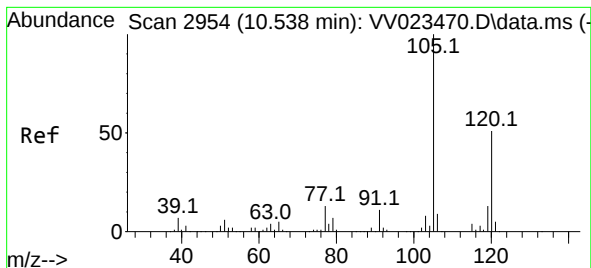
Tgt Ion:105 Resp: 199115
Ion Ratio Lower Upper
105 100
120 27.2 21.7 32.5
77 15.2 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.957 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion: 75 Resp: 22604
Ion Ratio Lower Upper
75 100
77 33.4 26.6 39.8
110 42.1 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.948 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

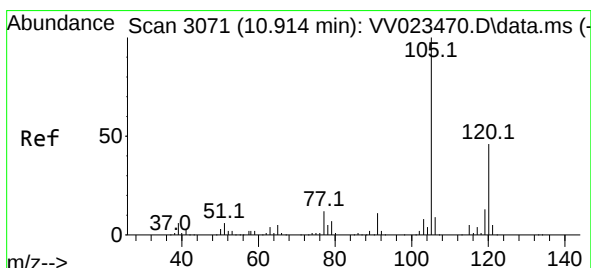
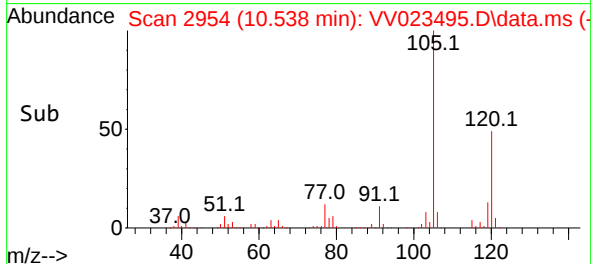
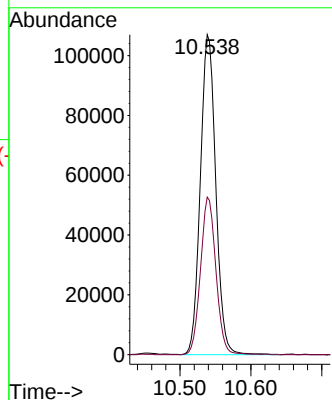
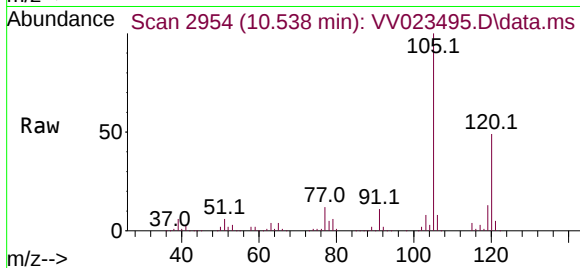
VSTD005355

Tgt Ion:105 Resp: 161622

Ion Ratio Lower Upper

105 100

120 49.2 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 5.081 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023495.D

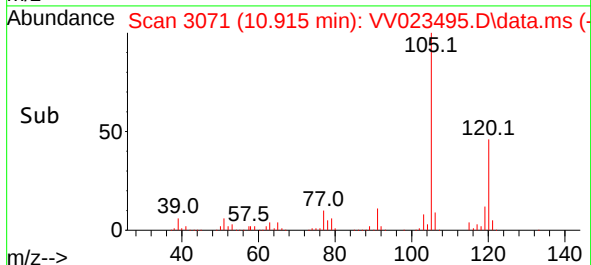
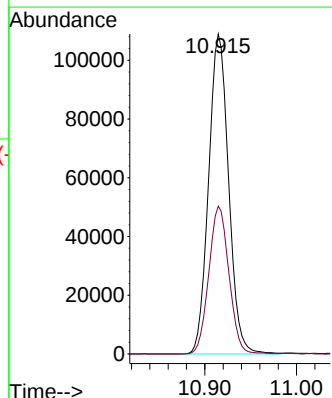
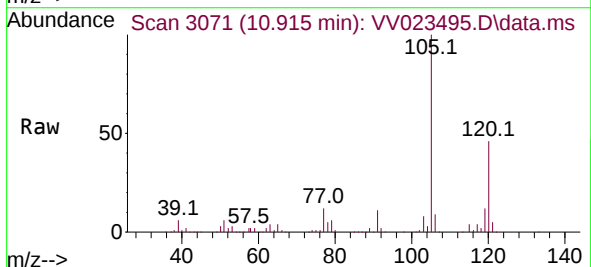
Acq: 15 Nov 2021 20:17

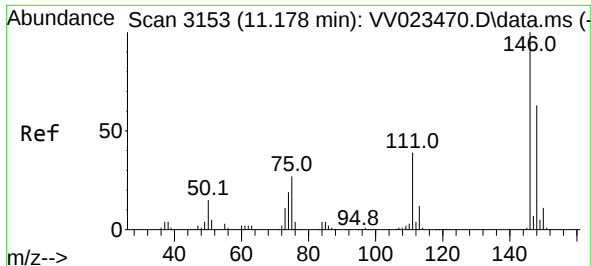
Tgt Ion:105 Resp: 165181

Ion Ratio Lower Upper

105 100

120 46.4 37.4 56.2

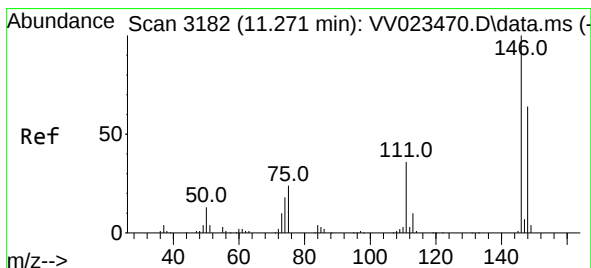
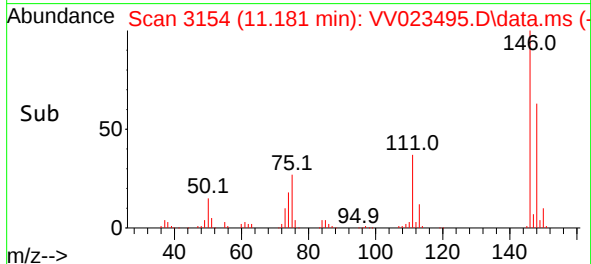
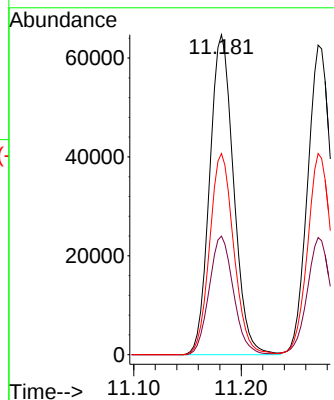
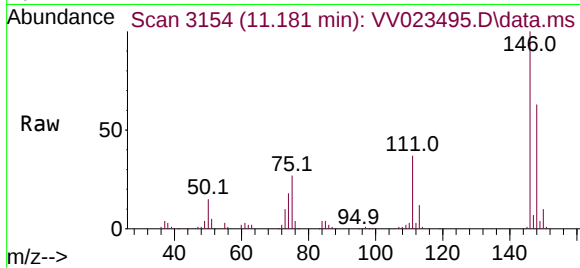




#64
1,3-Dichlorobenzene
Concen: 4.981 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

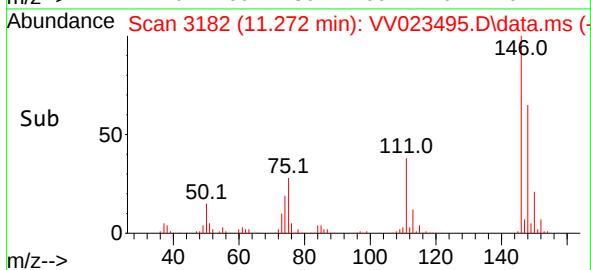
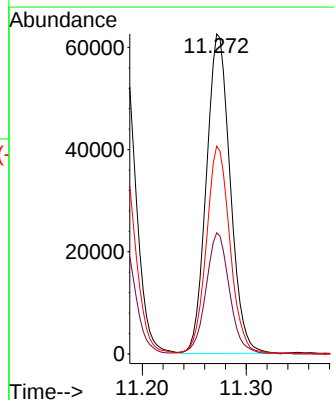
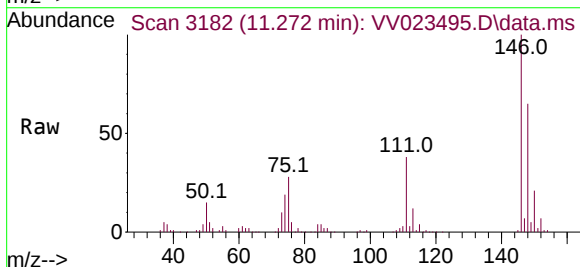
Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

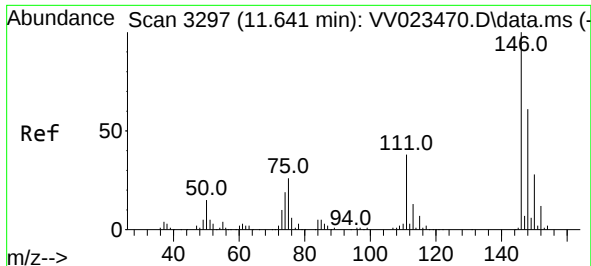
Tgt Ion:146 Resp: 100271
Ion Ratio Lower Upper
146 100
111 37.0 26.7 49.7
148 62.8 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 4.847 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion:146 Resp: 99645
Ion Ratio Lower Upper
146 100
111 37.8 26.2 48.8
148 65.0 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 5.021 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

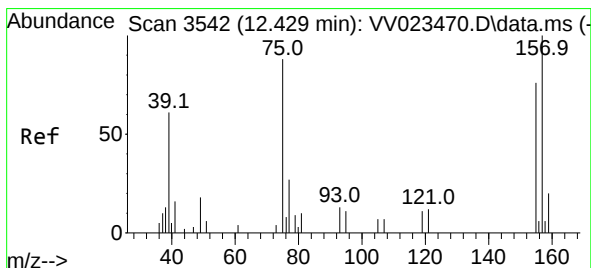
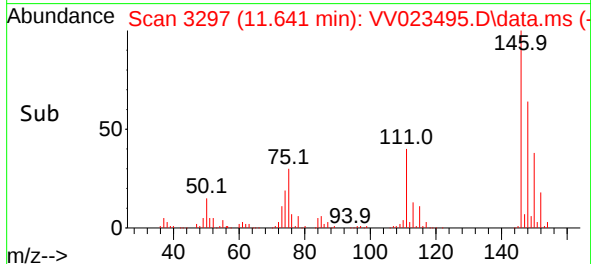
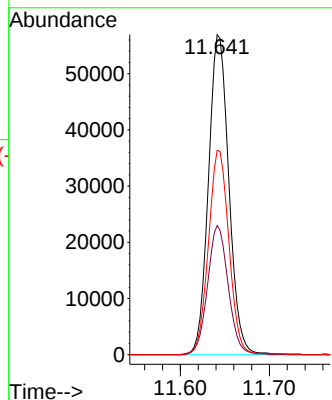
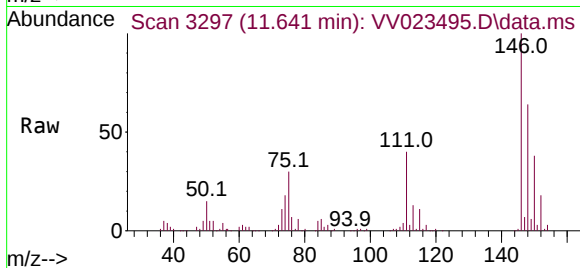
Tgt Ion:146 Resp: 90442

Ion Ratio Lower Upper

146 100

111 40.3 31.6 47.4

148 63.8 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.833 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. 0.000 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

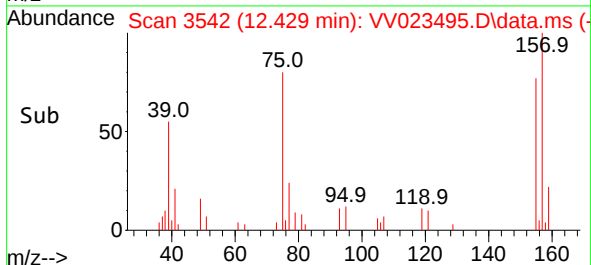
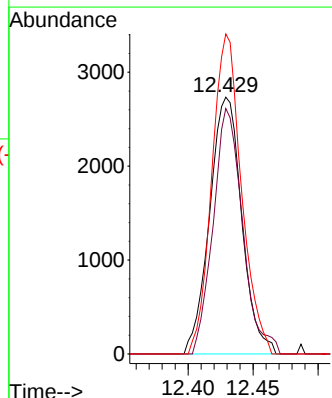
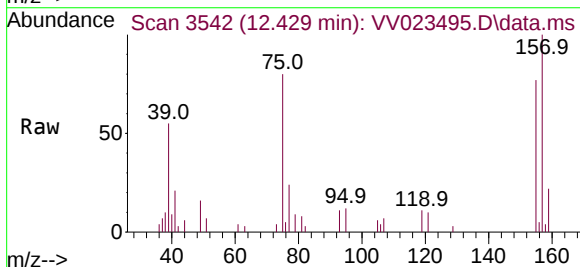
Tgt Ion: 75 Resp: 4696

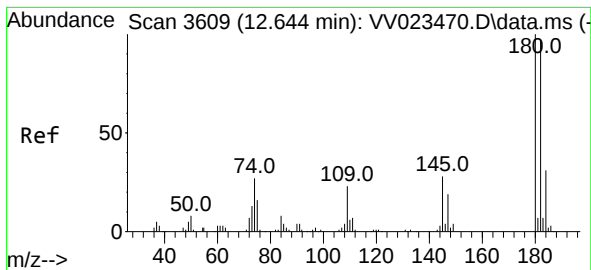
Ion Ratio Lower Upper

75 100

155 95.6 67.7 101.5

157 124.6 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 4.627 ug/L

RT: 12.648 min Scan# 3610

Delta R.T. 0.003 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD005355

Tgt Ion:180 Resp: 72915

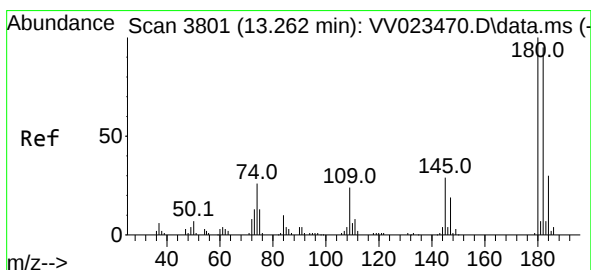
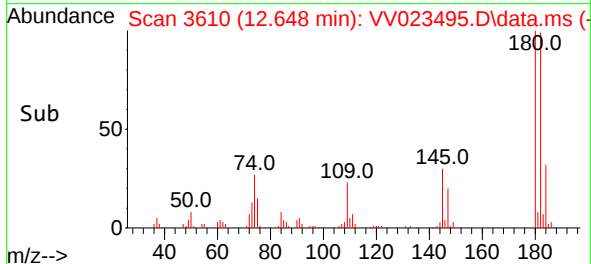
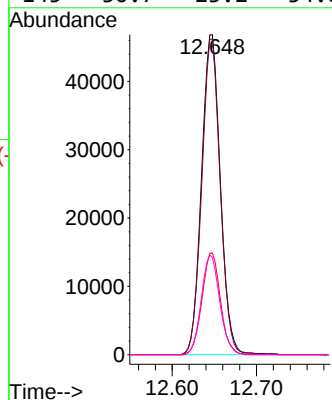
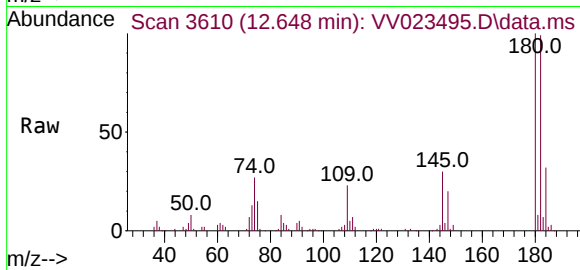
Ion Ratio Lower Upper

180 100

182 96.5 74.9 112.3

184 31.1 23.8 35.8

145 30.7 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 4.455 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.000 min

Lab File: VV023495.D

Acq: 15 Nov 2021 20:17

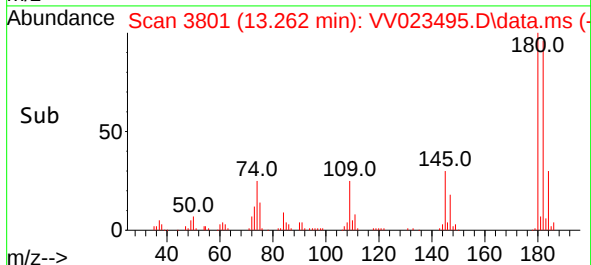
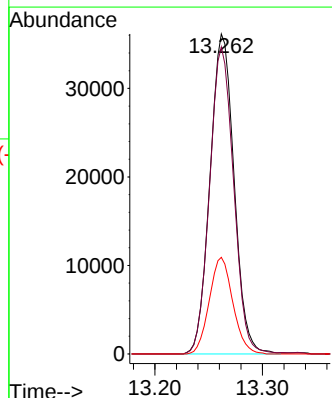
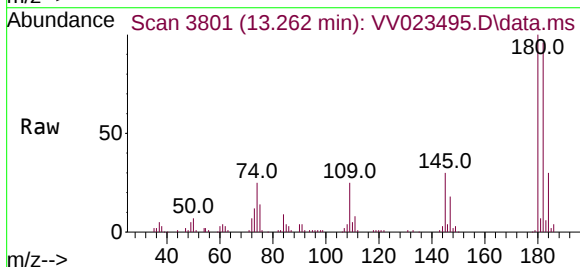
Tgt Ion:180 Resp: 56229

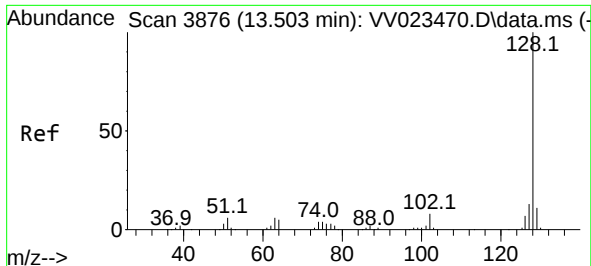
Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

145 29.5 24.4 36.6

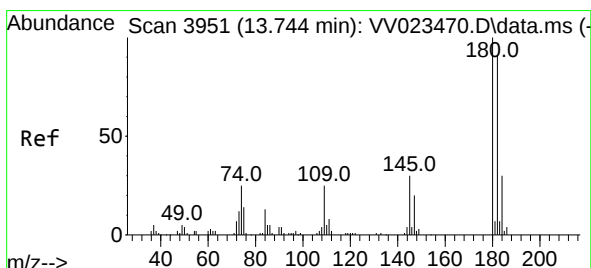
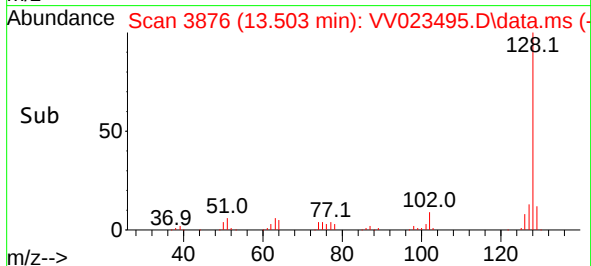
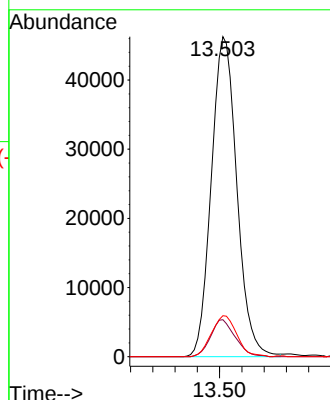
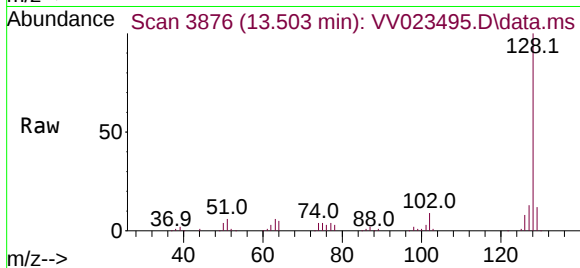




#71
Naphthalene
Concen: 3.958 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD005355

Tgt Ion:	128	Resp:	73658
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	13.0
127	12.7	10.5	15.7



#72
1,2,3-Trichlorobenzene
Concen: 4.551 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV023495.D
Acq: 15 Nov 2021 20:17

Tgt Ion:	180	Resp:	50250
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.7	115.1
145	31.4	25.7	38.5

