

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111521\
 Data File : VW023470.D
 Acq On : 15 Nov 2021 09:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005354

Quant Time: Nov 16 00:22:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 13 01:39:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	136159	5.000	ug/L	-0.02
28) Chlorobenzene-d5	8.850	117	135870	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	78255	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	50678	5.941	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 118.800%	
7) Chloroethane-d5	1.568	69	38567	5.548	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 111.000%	
11) 1,1-Dichloroethene-d2	2.108	63	87032	5.450	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	= 109.000%	
20) 2-Butanone-d5	3.902	46	62988	42.862	ug/L	-0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	= 85.720%	
24) Chloroform-d	4.342	84	91450	5.031	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	= 100.600%	
26) 1,2-Dichloroethane-d4	5.027	65	41495	5.076	ug/L	-0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	= 101.600%	
32) Benzene-d6	5.047	84	174360	5.001	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	= 100.000%	
36) 1,2-Dichloropropane-d6	6.066	67	48853	4.760	ug/L	-0.03
Spiked Amount	5.000	Range	60 - 140	Recovery	= 95.200%	
41) Toluene-d8	7.313	98	172843	5.291	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	= 105.800%	
43) trans-1,3-Dichloroprop...	7.619	79	19818	5.093	ug/L	-0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	= 101.800%	
46) 2-Hexanone-d5	8.088	63	62274	43.496	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	= 87.000%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	34682	4.699	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 94.000%	
66) 1,2-Dichlorobenzene-d4	11.625	152	60061	4.609	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 92.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	59280	4.465	ug/L	99
3) Chloromethane	1.240	50	53514	4.741	ug/L	97
5) Vinyl chloride	1.310	62	54073	4.796	ug/L	100
6) Bromomethane	1.523	94	33920	4.707	ug/L	99
8) Chloroethane	1.584	64	32488	4.994	ug/L	97
9) Trichlorofluoromethane	1.751	101	83246	4.914	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	42714	5.009	ug/L	97
12) 1,1-Dichloroethene	2.117	96	39851	4.908	ug/L	95
13) Acetone	2.439	43	10429	11.614	ug/L	60
14) Carbon disulfide	2.294	76	133140	4.345	ug/L	99
15) Methyl Acetate	2.439	43	10429	4.104	ug/L	99
16) Methylene chloride	2.503	84	46117	3.892	ug/L	96
17) Methyl tert-butyl Ether	2.767	73	84086	4.705	ug/L	95
18) trans-1,2-Dichloroethene	2.757	96	44181	4.426	ug/L	96
19) 1,1-Dichloroethane	3.185	63	78055	4.632	ug/L	98
21) 2-Butanone	4.178	43	2793	1.924	ug/L	92
22) cis-1,2-Dichloroethene	3.908	96	44112	4.592	ug/L #	90
23) Bromochloromethane	4.246	128	21621	4.881	ug/L #	81
25) Chloroform	4.368	83	83531	4.650	ug/L	100

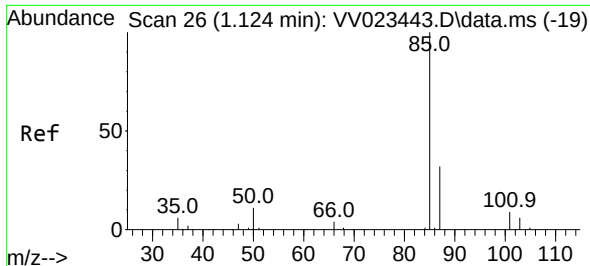
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 Data File : VV023470.D
 Acq On : 15 Nov 2021 09:53
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Nov 16 00:22:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 13 01:39:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	45716	4.785	ug/L	99
29) 1,1,1-Trichloroethane	4.603	97	77048	4.669	ug/L	99
30) Cyclohexane	4.674	56	63945	4.324	ug/L	97
31) Carbon tetrachloride	4.825	117	72247	4.875	ug/L	95
33) Benzene	5.095	78	175767	4.628	ug/L	100
34) Trichloroethene	5.911	95	48349	4.788	ug/L	99
35) Methylcyclohexane	6.127	83	69128	4.337	ug/L	97
37) 1,2-Dichloropropane	6.169	63	43700	4.929	ug/L	99
38) Bromodichloromethane	6.506	83	55861	4.702	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	57550	4.513	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	216414	52.632	ug/L	97
42) Toluene	7.384	91	198861	4.896	ug/L	98
44) trans-1,3-Dichloropropene	7.648	75	52211	4.935	ug/L	100
45) 1,1,2-Trichloroethane	7.837	97	29938	4.700	ug/L	97
47) Tetrachloroethene	7.972	164	41262	4.714	ug/L	98
48) 2-Hexanone	8.140	43	164944	57.248	ug/L	98
49) Dibromochloromethane	8.243	129	40091	4.967	ug/L	99
50) 1,2-Dibromoethane	8.352	107	28447	4.819	ug/L	100
51) Chlorobenzene	8.879	112	125653	4.654	ug/L	99
52) Ethylbenzene	9.011	91	200232	4.674	ug/L	99
53) m,p-xylene	9.136	106	80661	4.798	ug/L	98
54) o-xylene	9.542	106	75502	4.787	ug/L	100
55) Styrene	9.558	104	133764	4.950	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.239	83	31766	4.551	ug/L	99
59) Bromoform	9.731	173	22606	4.836	ug/L	99
60) Isopropylbenzene	9.931	105	203249	4.526	ug/L	98
61) 1,2,3-Trichloropropane	10.271	75	24117	4.639	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	163741	4.398	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	168563	4.548	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	104585	4.558	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	103525	4.418	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	95968	4.674	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.429	75	5062	4.571	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	78417	4.365	ug/L	98
70) 1,2,4-trichlorobenzene	13.262	180	59336	4.124	ug/L	99
71) Naphthalene	13.503	128	78909	3.720	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	54497	4.330	ug/L	96

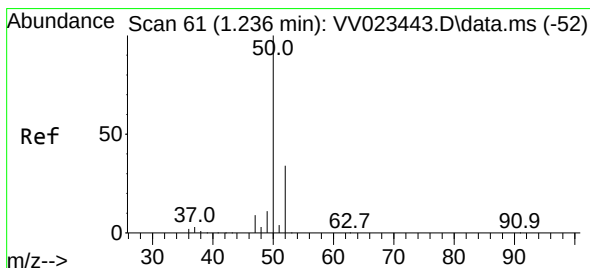
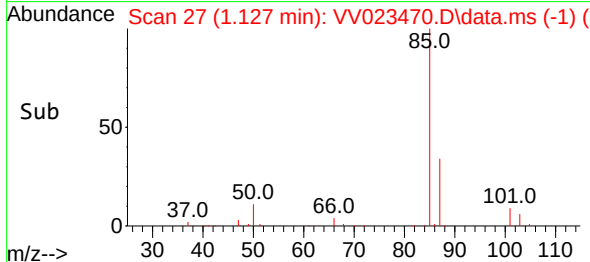
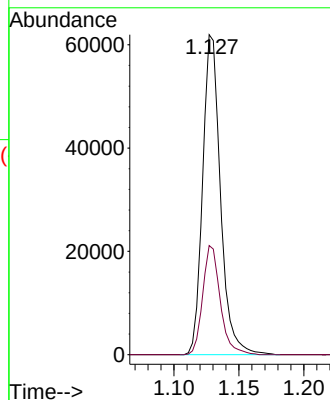
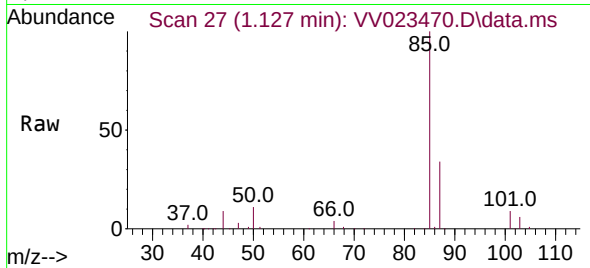
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.465 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

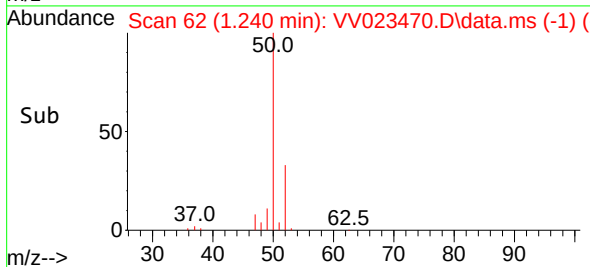
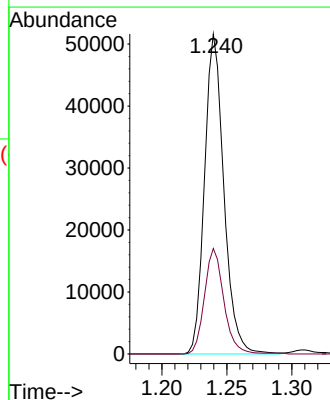
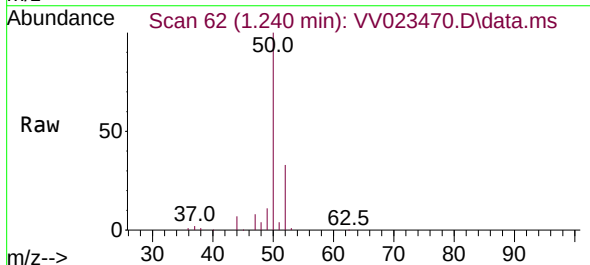
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005354

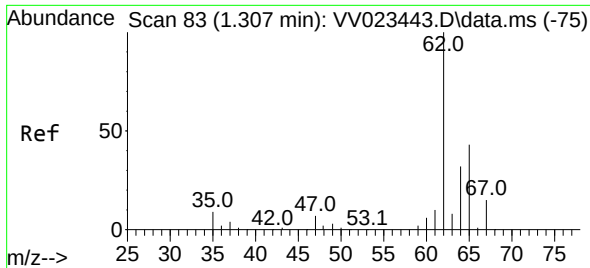
Tgt Ion: 85 Resp: 59280
 Ion Ratio Lower Upper
 85 100
 87 33.6 26.6 39.8



#3
 Chloromethane
 Concen: 4.741 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

Tgt Ion: 50 Resp: 53514
 Ion Ratio Lower Upper
 50 100
 52 33.0 24.3 45.1

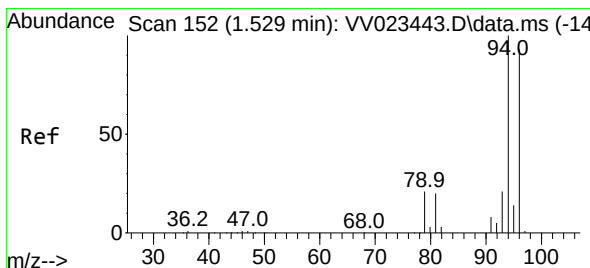
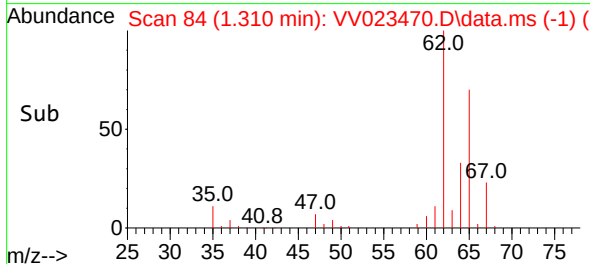
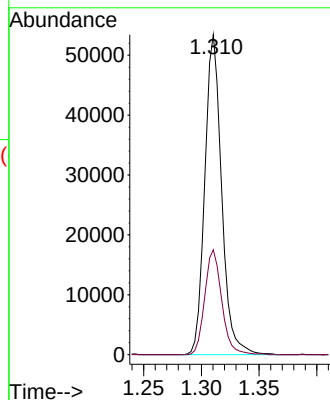
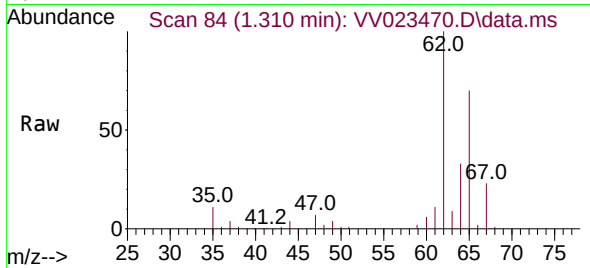




#5
 Vinyl chloride
 Concen: 4.796 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

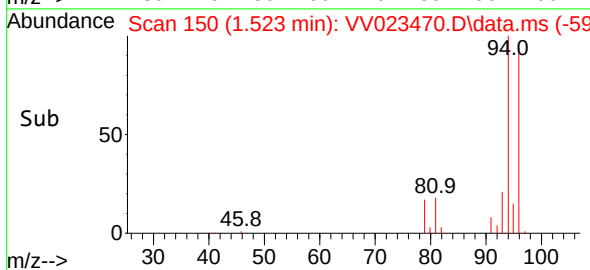
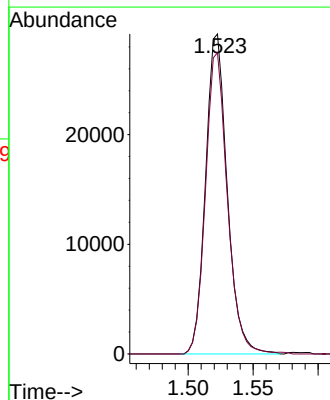
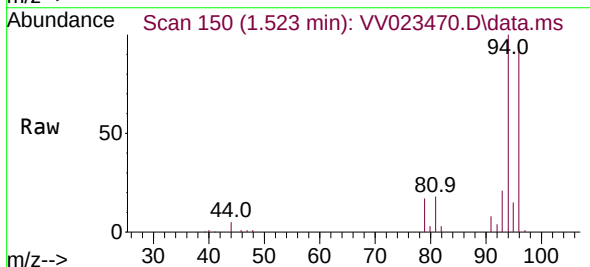
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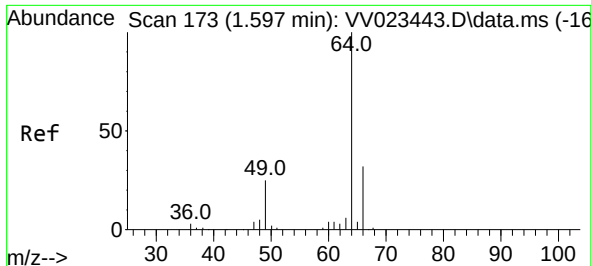
Tgt Ion: 62 Resp: 54073
 Ion Ratio Lower Upper
 62 100
 64 32.8 23.1 42.9



#6
 Bromomethane
 Concen: 4.707 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.007 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

Tgt Ion: 94 Resp: 33920
 Ion Ratio Lower Upper
 94 100
 96 94.2 65.0 120.8

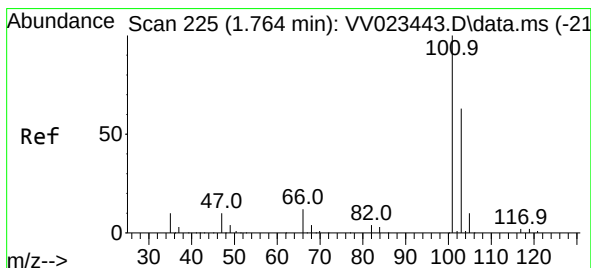
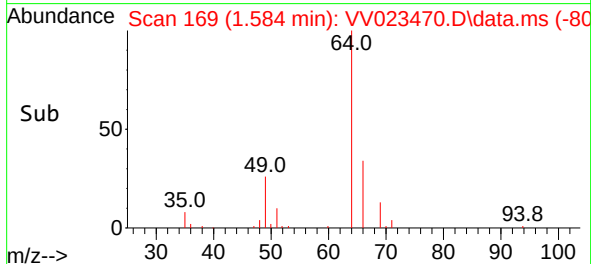
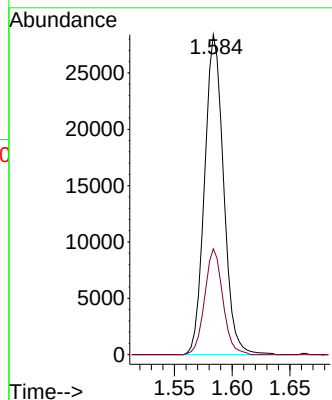
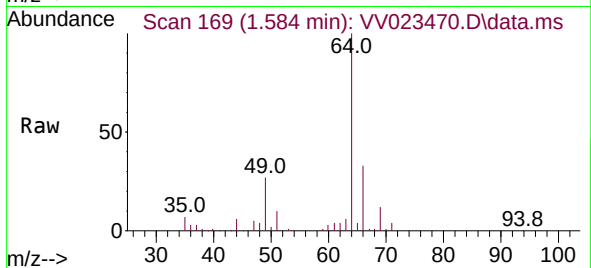




#8
Chloroethane
Concen: 4.994 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.013 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

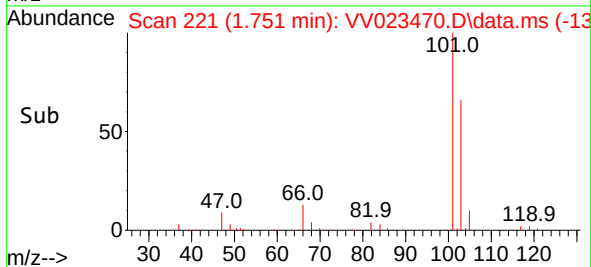
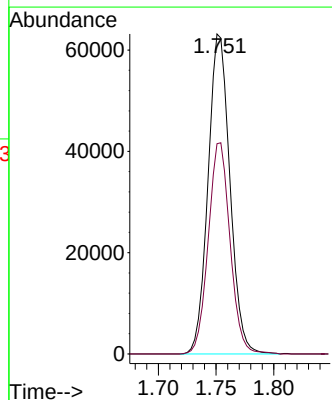
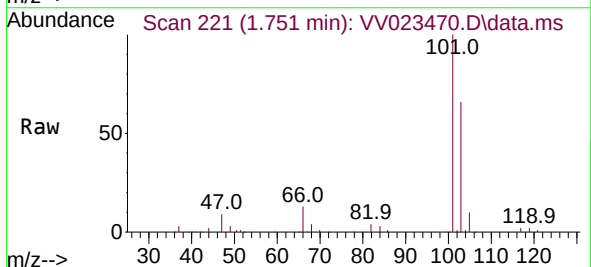
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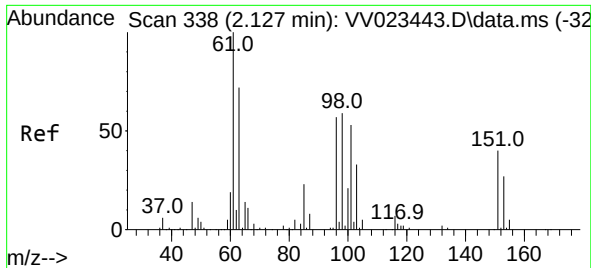
Tgt Ion: 64 Resp: 32488
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.914 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.013 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion:101 Resp: 83246
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0

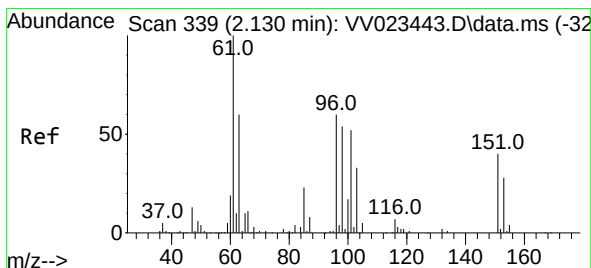
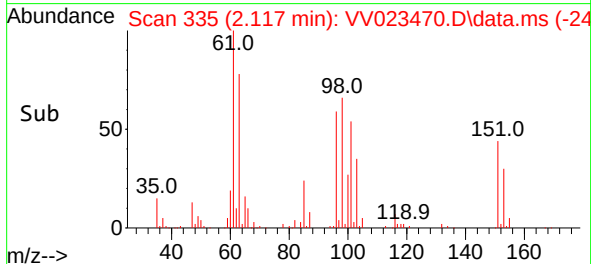
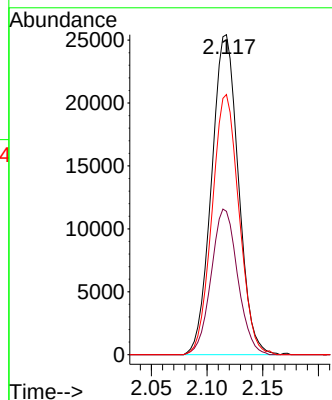
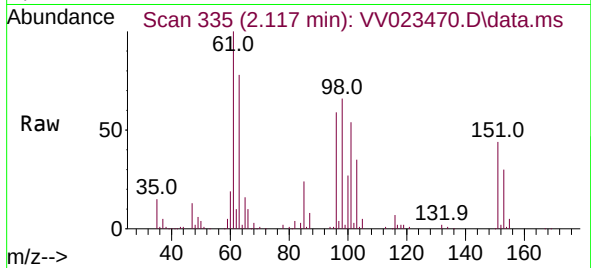




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.009 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.010 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

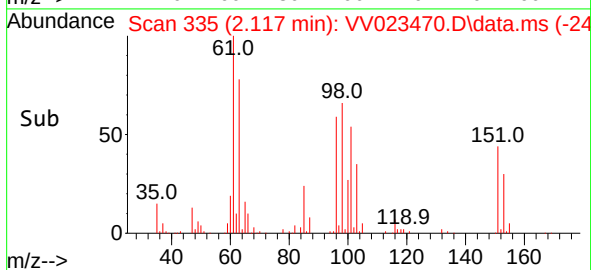
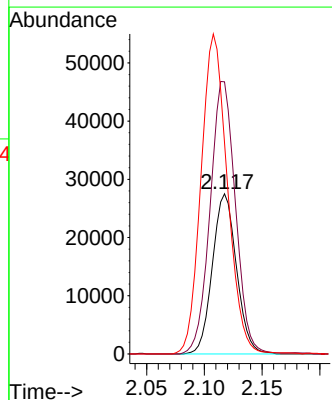
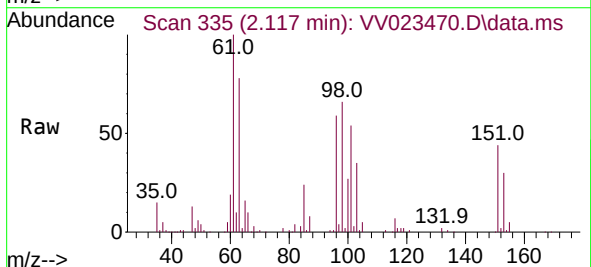
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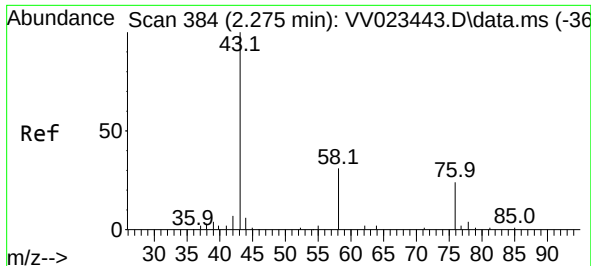
Tgt Ion:101 Resp: 42714
 Ion Ratio Lower Upper
 101 100
 85 44.9 35.3 52.9
 151 81.6 62.2 93.2



#12
 1,1-Dichloroethene
 Concen: 4.908 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.013 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

Tgt Ion: 96 Resp: 39851
 Ion Ratio Lower Upper
 96 100
 61 170.0 121.5 225.7
 63 132.0 99.6 185.0





#13

Acetone

Concen: 11.614 ug/L

RT: 2.439 min Scan# 41

Delta R.T. 0.164 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

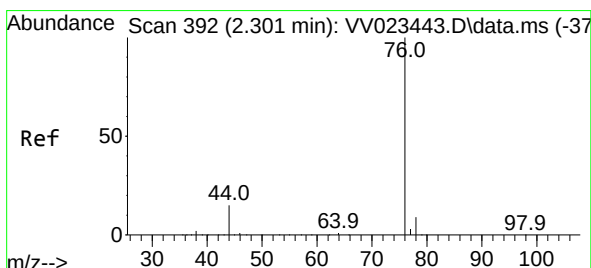
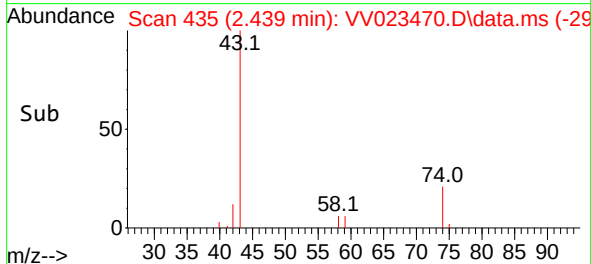
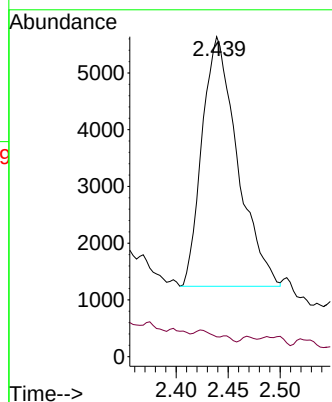
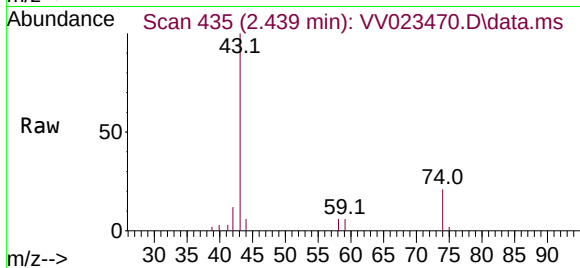
VSTD005354

Tgt Ion: 43 Resp: 10429

Ion Ratio Lower Upper

43 100

58 6.6 0.0 55.4



#14

Carbon disulfide

Concen: 4.345 ug/L

RT: 2.294 min Scan# 390

Delta R.T. -0.007 min

Lab File: VV023470.D

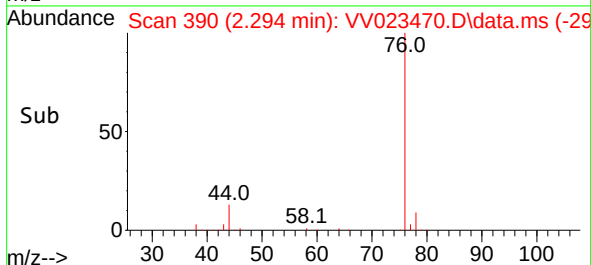
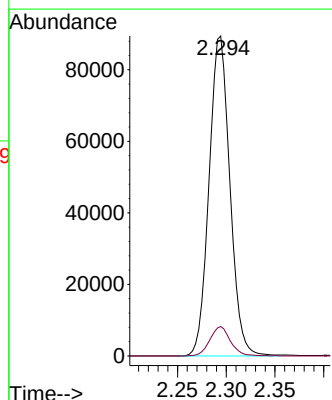
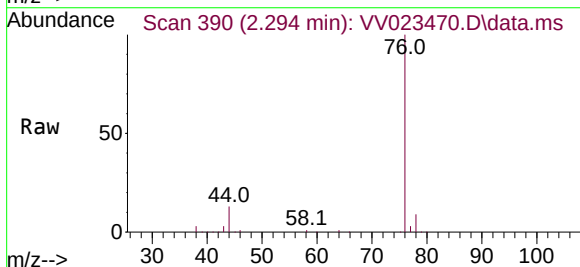
Acq: 15 Nov 2021 09:53

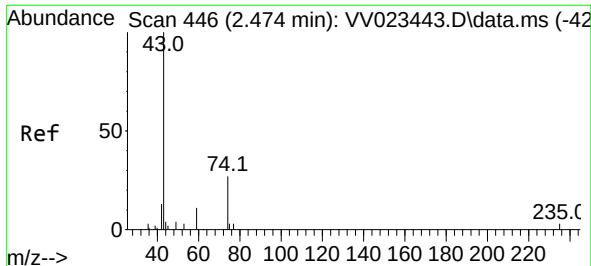
Tgt Ion: 76 Resp: 133140

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

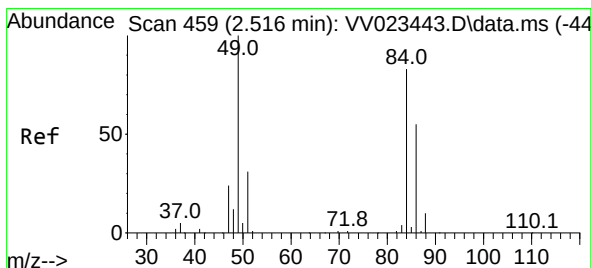
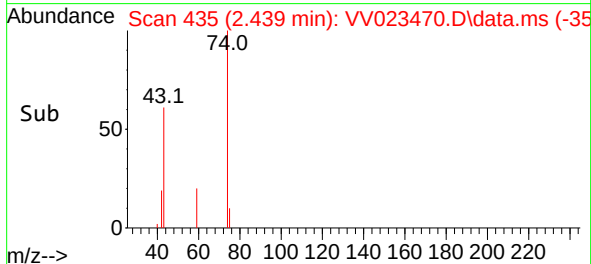
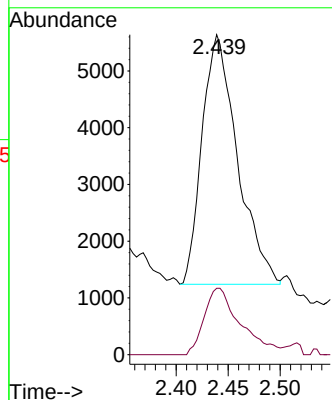
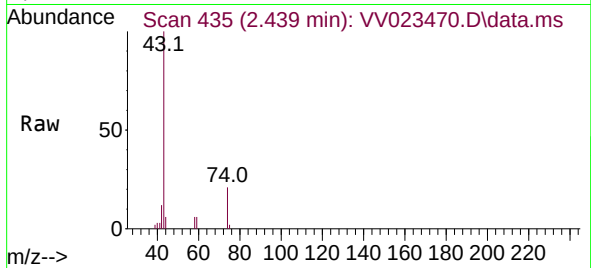




#15
Methyl Acetate
Concen: 4.104 ug/L
RT: 2.439 min Scan# 41
Delta R.T. -0.036 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

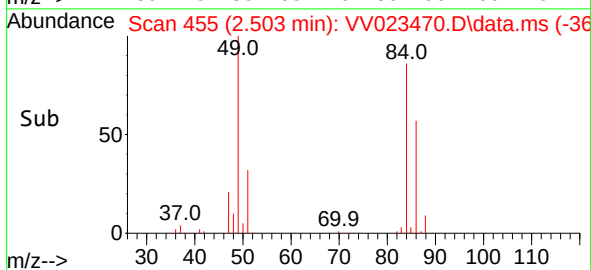
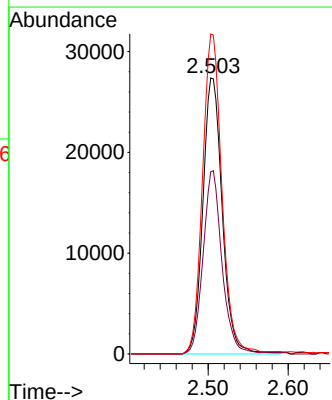
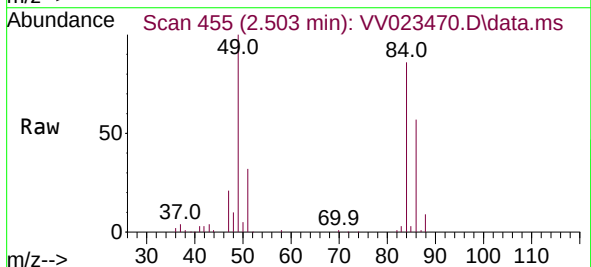
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

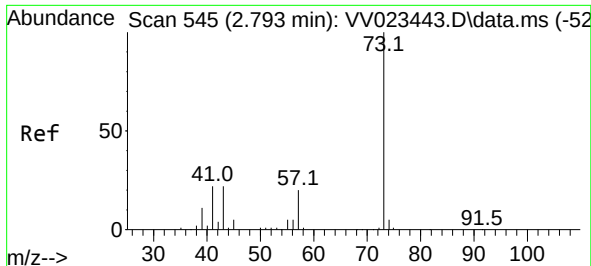
Tgt Ion: 43 Resp: 10429
Ion Ratio Lower Upper
43 100
74 27.2 22.2 33.2



#16
Methylene chloride
Concen: 3.892 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.013 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion: 84 Resp: 46117
Ion Ratio Lower Upper
84 100
86 66.0 42.3 78.5
49 115.9 79.7 148.1

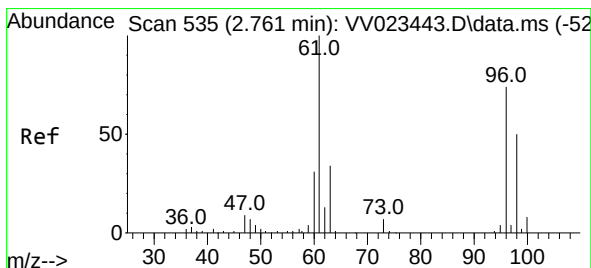
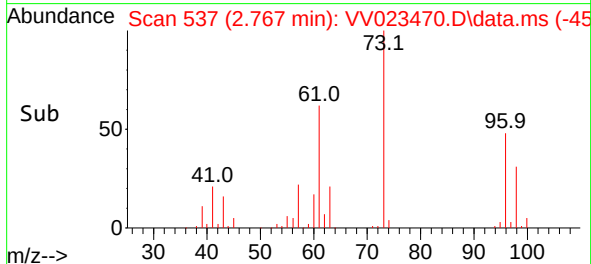
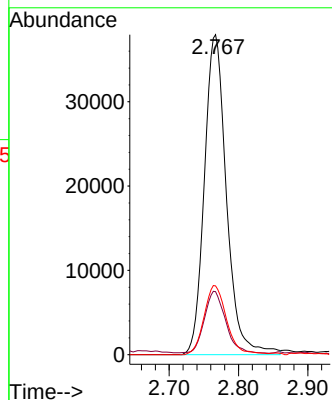
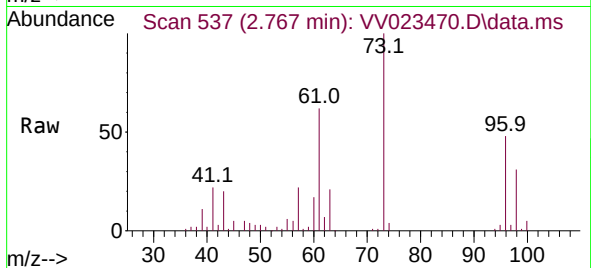




#17
Methyl tert-butyl Ether
Concen: 4.705 ug/L
RT: 2.767 min Scan# 51
Delta R.T. -0.026 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

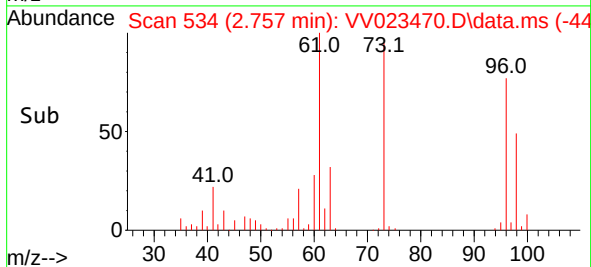
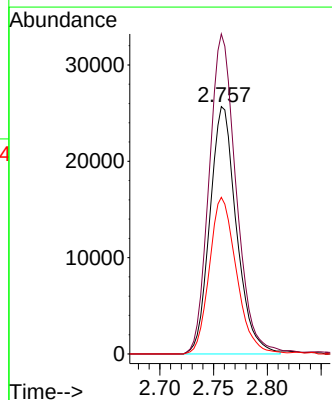
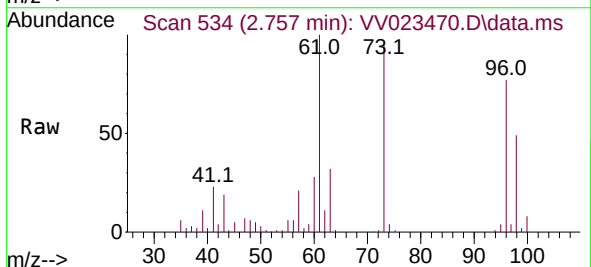
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

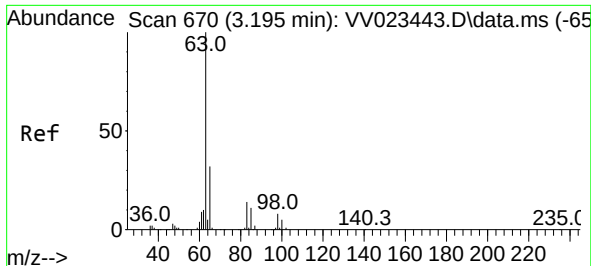
Tgt Ion: 73 Resp: 84086
Ion Ratio Lower Upper
73 100
43 18.6 17.4 26.0
57 22.0 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 4.426 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion: 96 Resp: 44181
Ion Ratio Lower Upper
96 100
61 129.3 93.2 173.2
98 63.3 47.0 87.2





#19

1,1-Dichloroethane

Concen: 4.632 ug/L

RT: 3.185 min Scan# 6

Delta R.T. -0.010 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

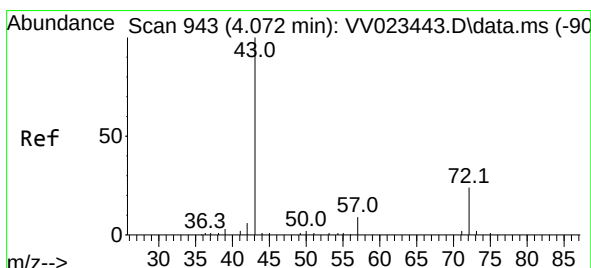
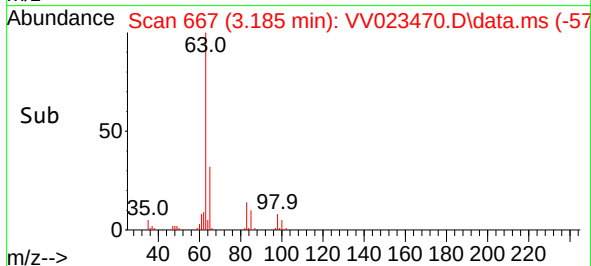
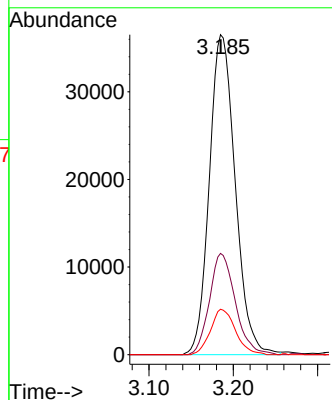
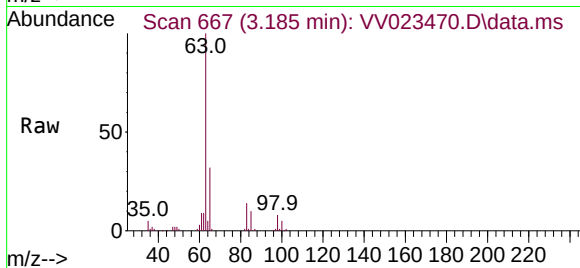
Tgt Ion: 63 Resp: 78055

Ion Ratio Lower Upper

63 100

65 31.6 22.6 42.0

83 14.2 11.1 20.7



#21

2-Butanone

Concen: 1.924 ug/L

RT: 4.178 min Scan# 976

Delta R.T. 0.106 min

Lab File: VV023470.D

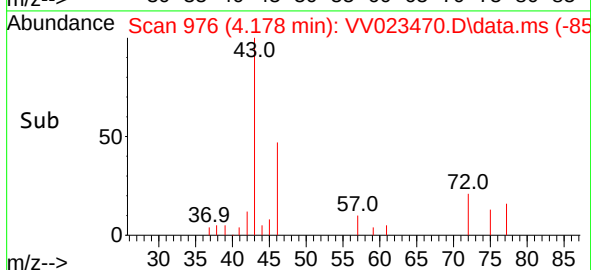
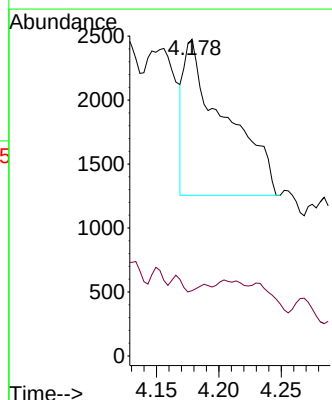
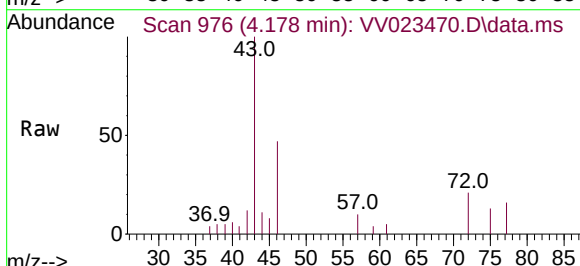
Acq: 15 Nov 2021 09:53

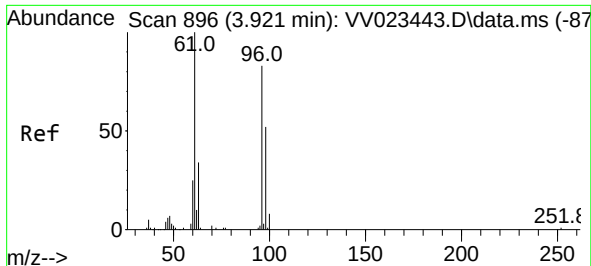
Tgt Ion: 43 Resp: 2793

Ion Ratio Lower Upper

43 100

72 27.6 11.9 35.9

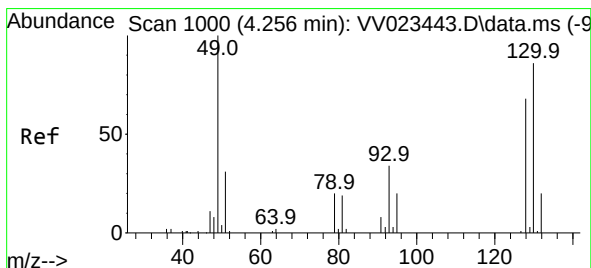
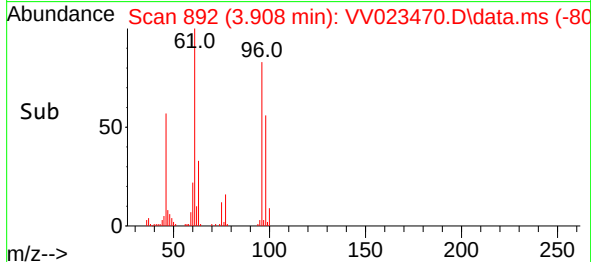
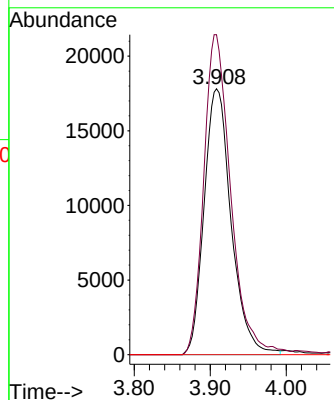
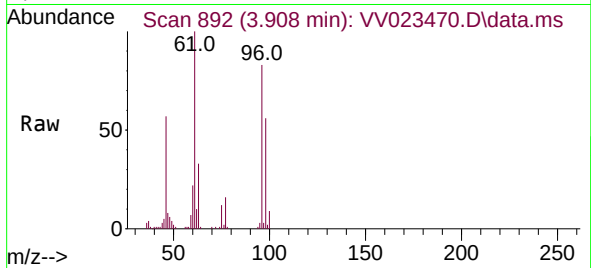




#22
 cis-1,2-Dichloroethene
 Concen: 4.592 ug/L
 RT: 3.908 min Scan# 896
 Delta R.T. -0.013 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

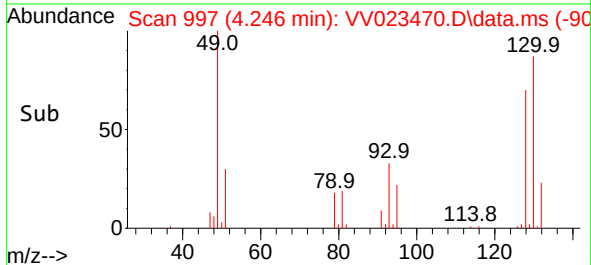
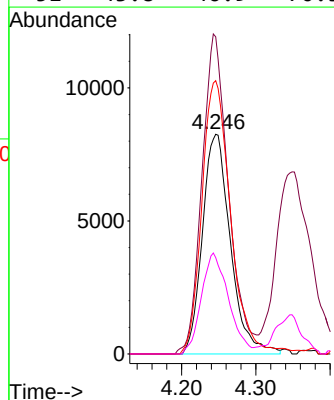
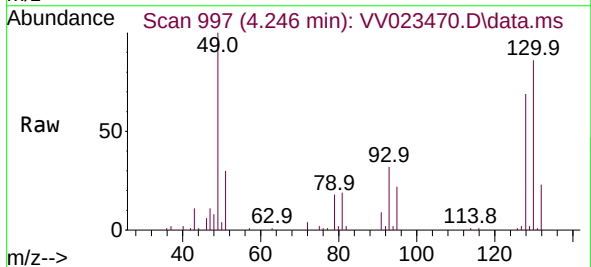
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005354

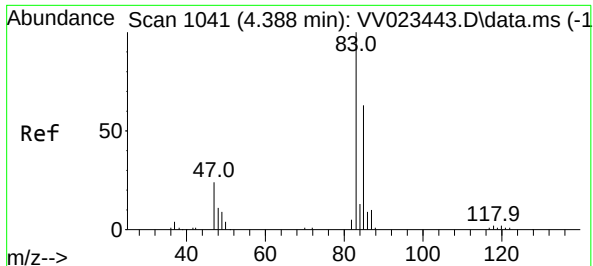
Tgt Ion: 96 Resp: 44112
 Ion Ratio Lower Upper
 96 100
 61 120.3 92.3 171.3
 68 0.0 0.4 0.8#



#23
 Bromochloromethane
 Concen: 4.881 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. -0.010 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

Tgt Ion: 128 Resp: 21621
 Ion Ratio Lower Upper
 128 100
 49 144.4 126.1 234.3
 130 124.4 95.2 176.8
 51 43.8 46.9 70.3#





#25

Chloroform

Concen: 4.650 ug/L

RT: 4.368 min Scan# 1041

Delta R.T. -0.019 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

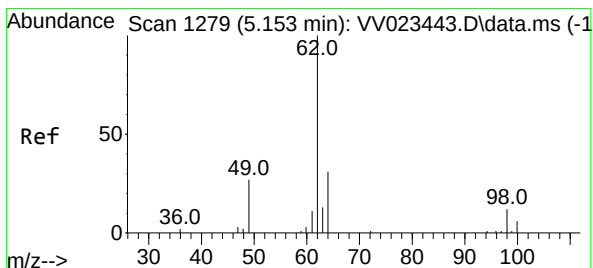
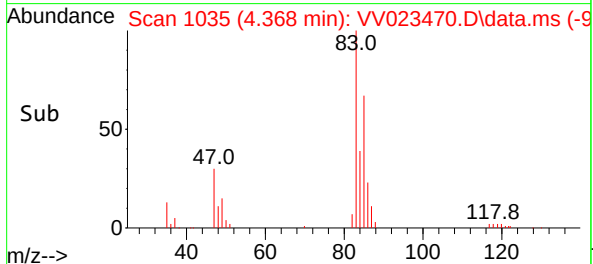
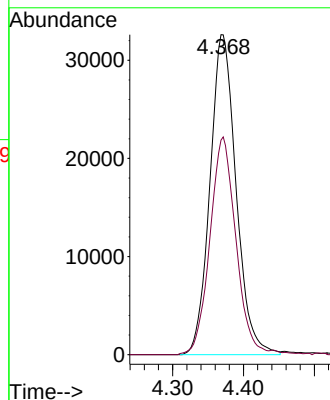
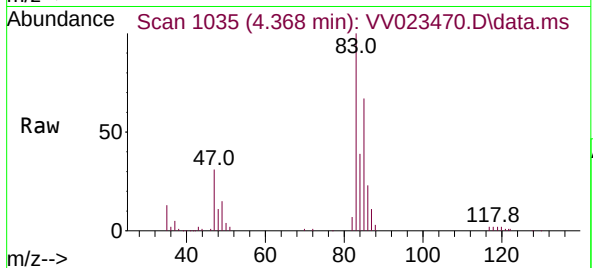
VSTD005354

Tgt Ion: 83 Resp: 83531

Ion Ratio Lower Upper

83 100

85 67.1 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.785 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.026 min

Lab File: VV023470.D

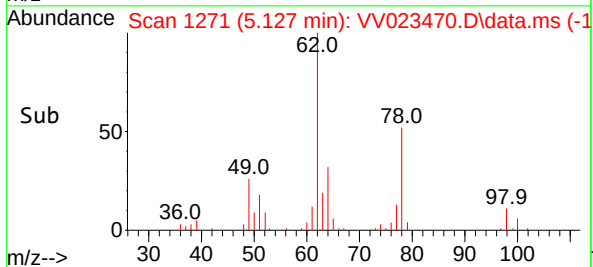
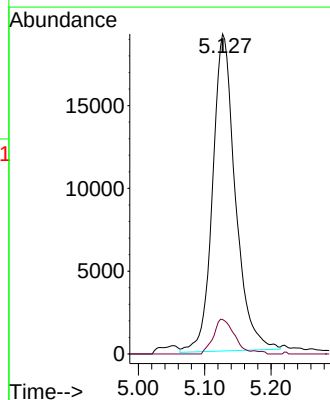
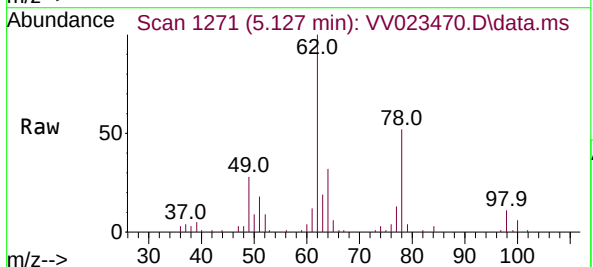
Acq: 15 Nov 2021 09:53

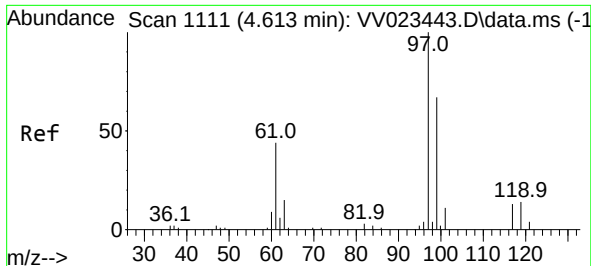
Tgt Ion: 62 Resp: 45716

Ion Ratio Lower Upper

62 100

98 10.7 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.669 ug/L

RT: 4.603 min Scan# 1111

Delta R.T. -0.010 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

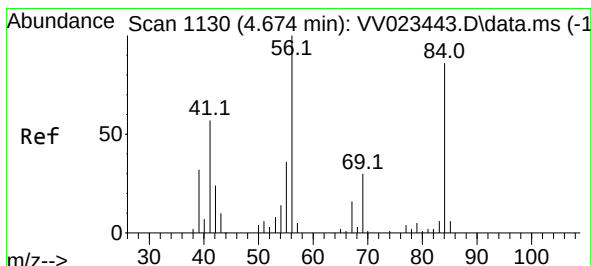
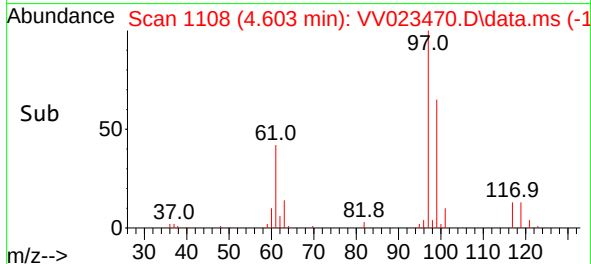
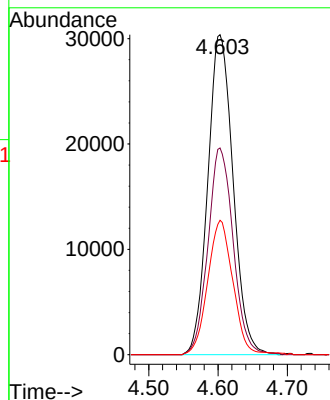
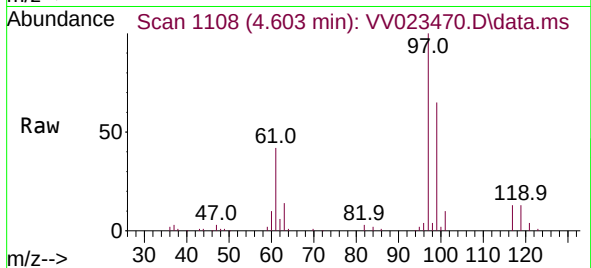
Tgt Ion: 97 Resp: 77048

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

61 41.7 34.1 51.1



#30

Cyclohexane

Concen: 4.324 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

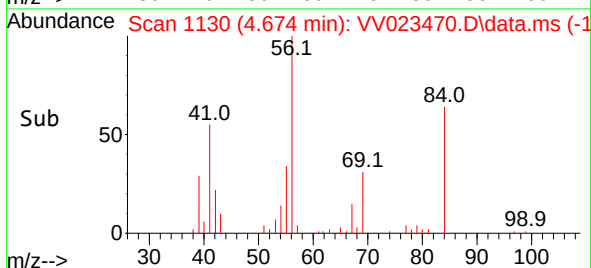
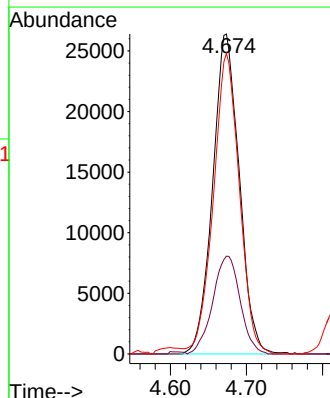
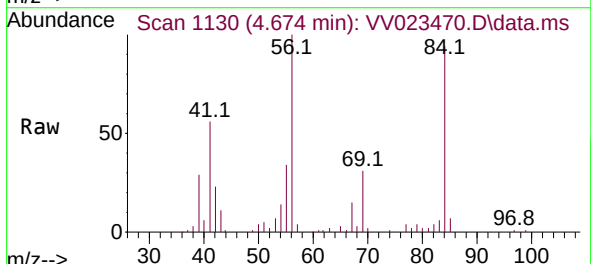
Tgt Ion: 56 Resp: 63945

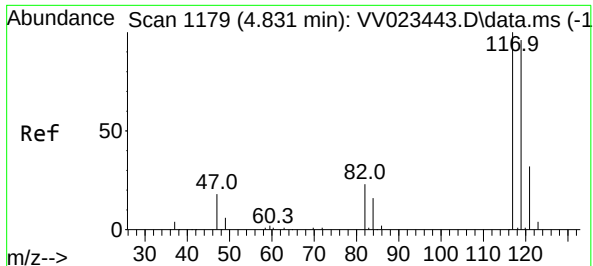
Ion Ratio Lower Upper

56 100

69 31.6 23.5 35.3

84 92.1 71.6 107.4

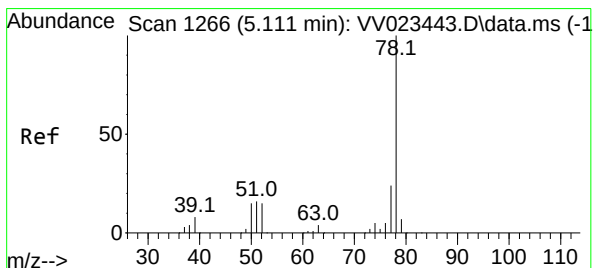
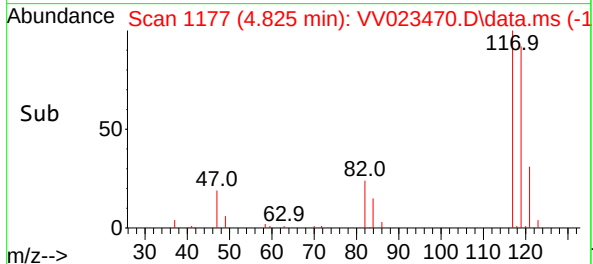
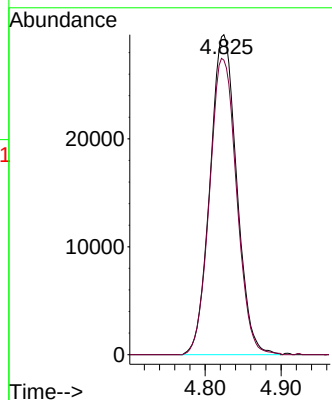
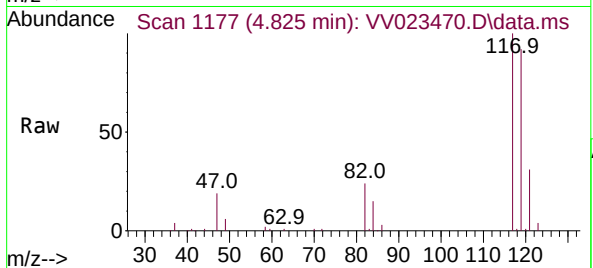




#31
Carbon tetrachloride
Concen: 4.875 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. -0.007 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

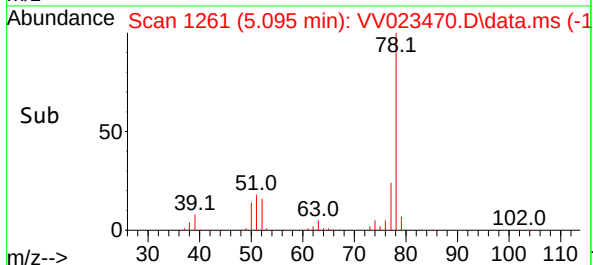
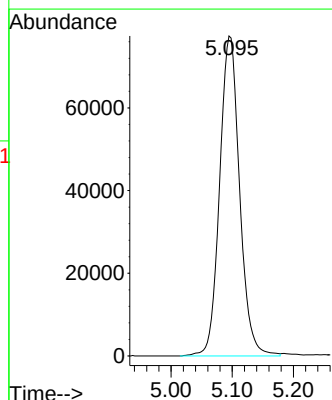
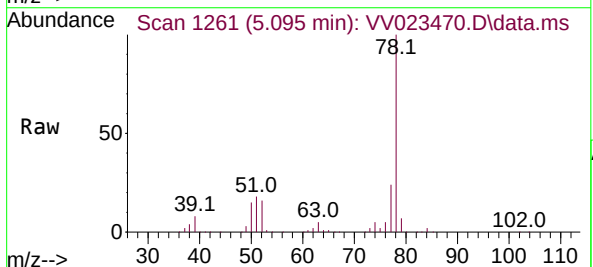
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

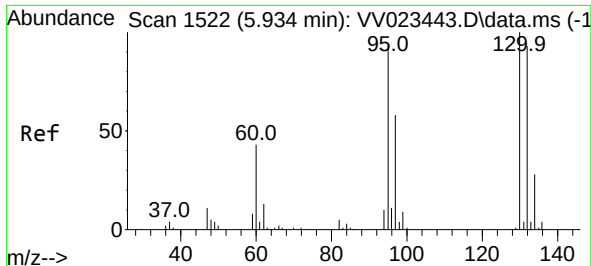
Tgt Ion:117 Resp: 72247
Ion Ratio Lower Upper
117 100
119 93.8 78.8 118.2



#33
Benzene
Concen: 4.628 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.016 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion: 78 Resp: 175767



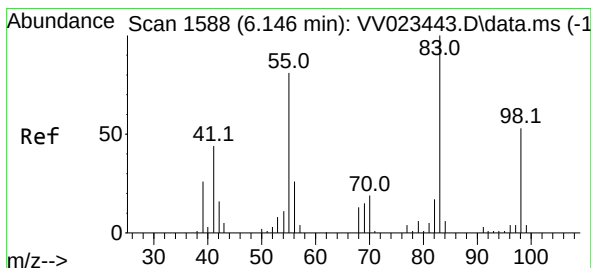
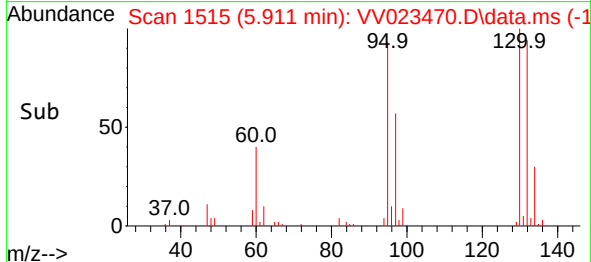
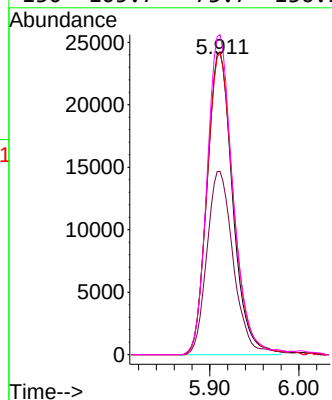
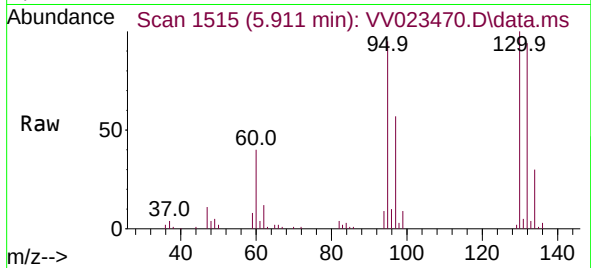


#34
Trichloroethene
Concen: 4.788 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.023 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

Tgt Ion: 95 Resp: 48349

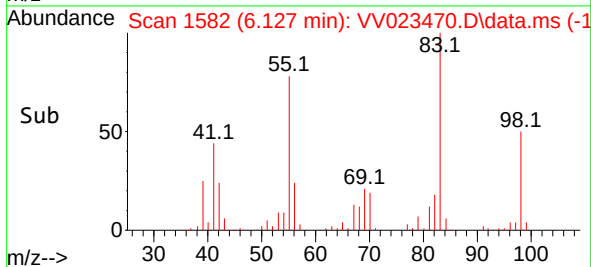
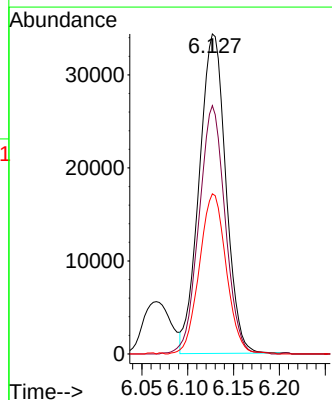
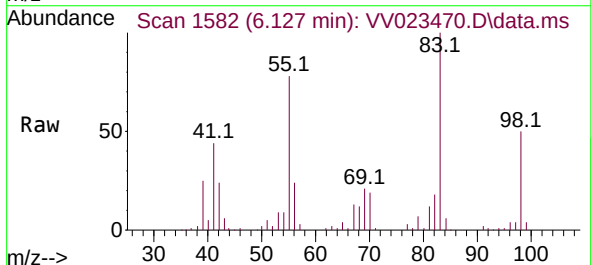
Ion	Ratio	Lower	Upper
95	100		
97	60.6	45.0	83.6
132	99.8	69.7	129.4
130	105.7	73.7	136.9

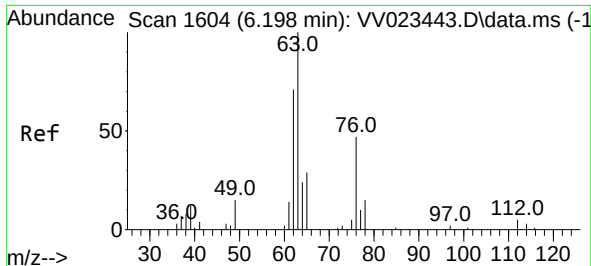


#35
Methylcyclohexane
Concen: 4.337 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. -0.019 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion: 83 Resp: 69128

Ion	Ratio	Lower	Upper
83	100		
55	76.8	62.8	94.2
98	50.8	37.9	56.9





#37

1,2-Dichloropropane

Concen: 4.929 ug/L

RT: 6.169 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

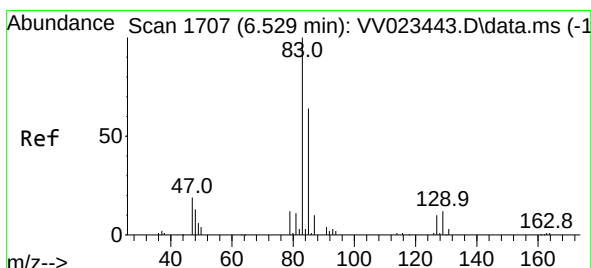
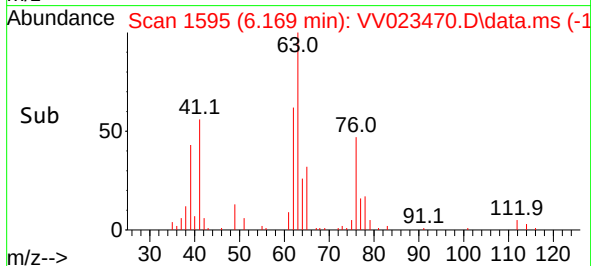
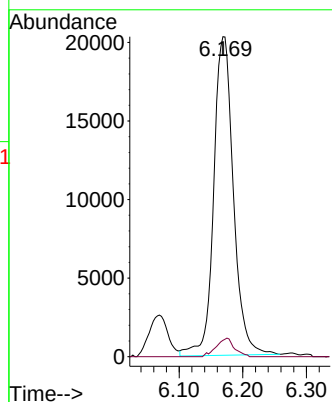
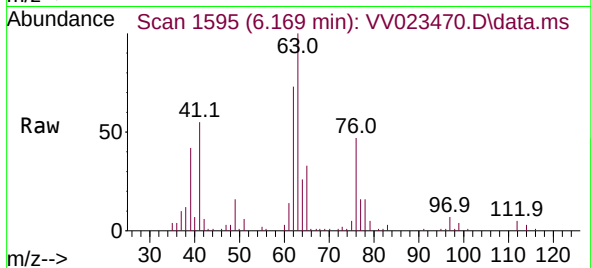
VSTD005354

Tgt Ion: 63 Resp: 43700

Ion Ratio Lower Upper

63 100

112 5.3 4.6 6.8



#38

Bromodichloromethane

Concen: 4.702 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.023 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

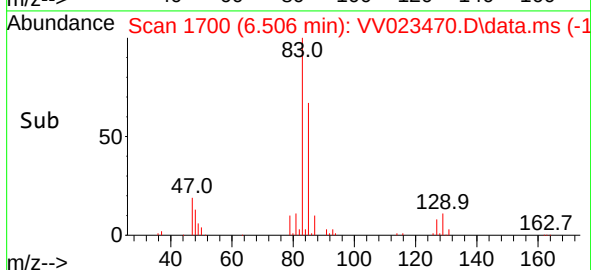
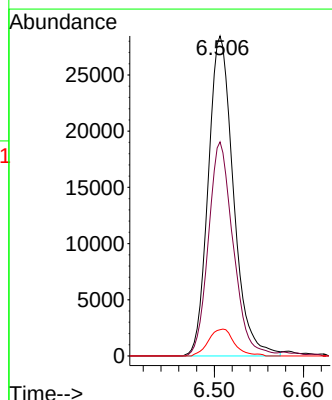
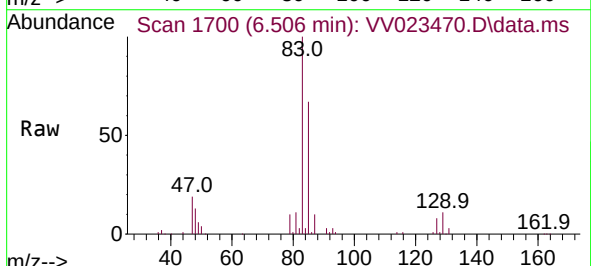
Tgt Ion: 83 Resp: 55861

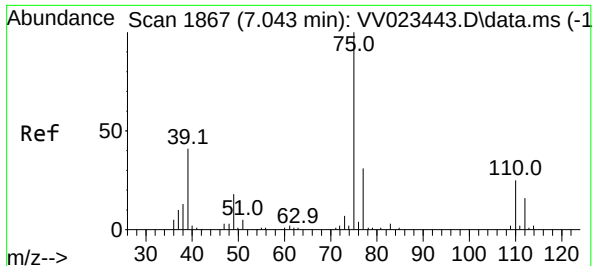
Ion Ratio Lower Upper

83 100

85 66.9 46.1 85.7

127 8.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.513 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.019 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

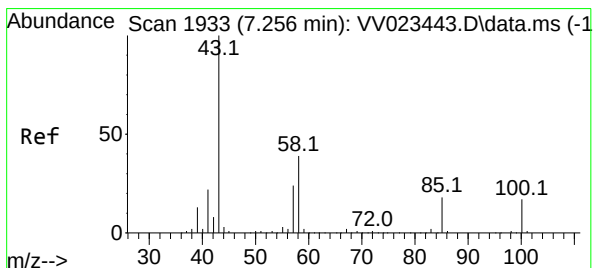
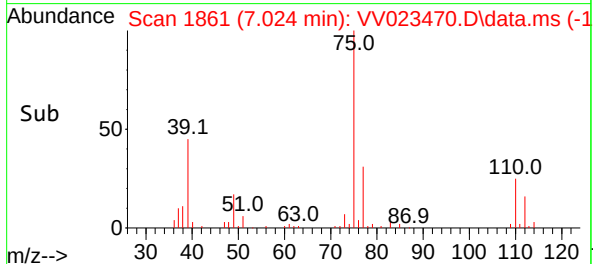
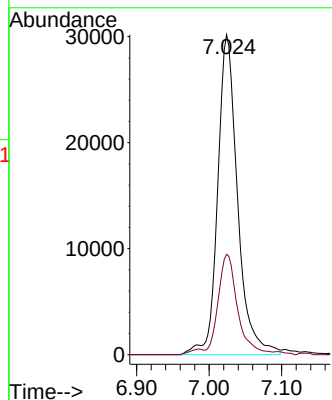
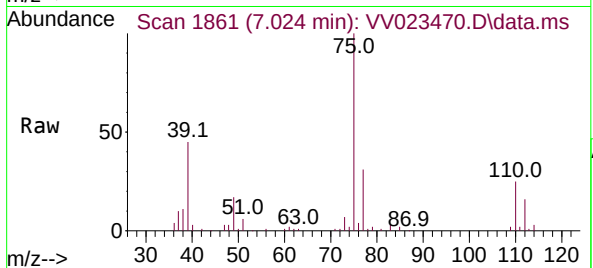
VSTD005354

Tgt Ion: 75 Resp: 57550

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 52.632 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.032 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

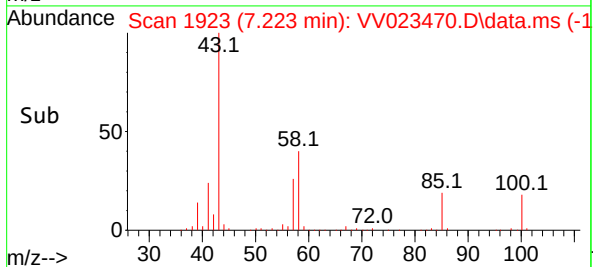
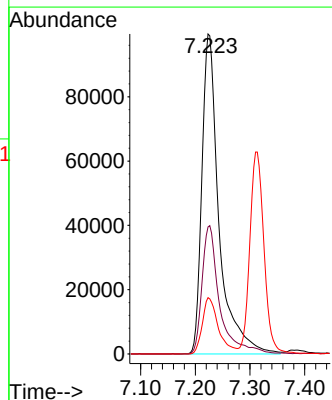
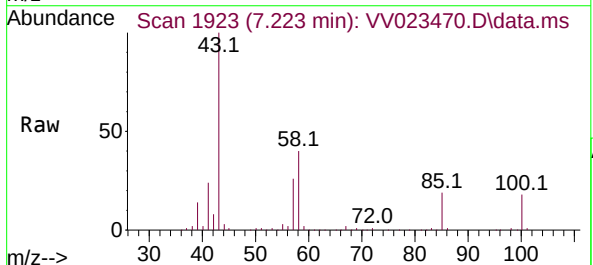
Tgt Ion: 43 Resp: 216414

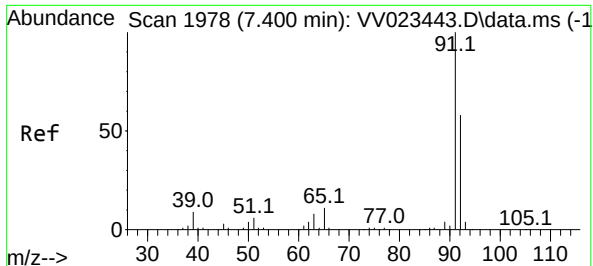
Ion Ratio Lower Upper

43 100

58 41.0 31.1 46.7

100 16.6 12.6 19.0

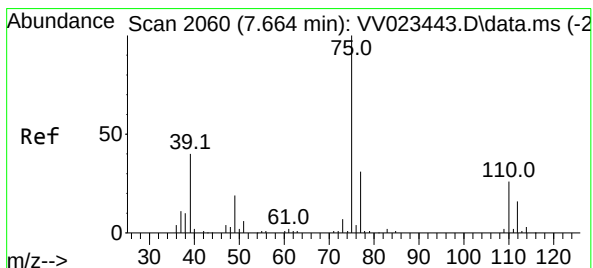
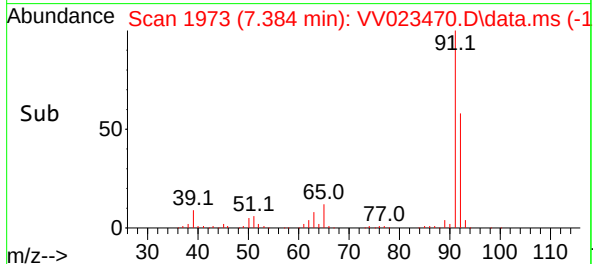
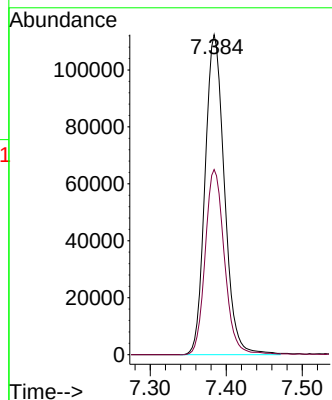
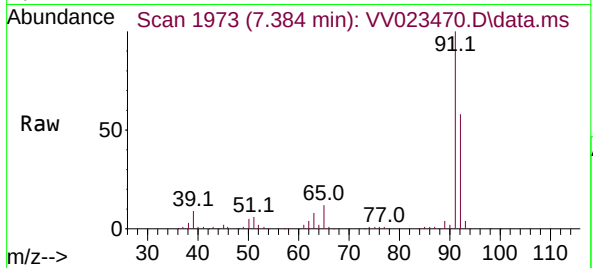




#42
Toluene
Concen: 4.896 ug/L
RT: 7.384 min Scan# 1978
Delta R.T. -0.016 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

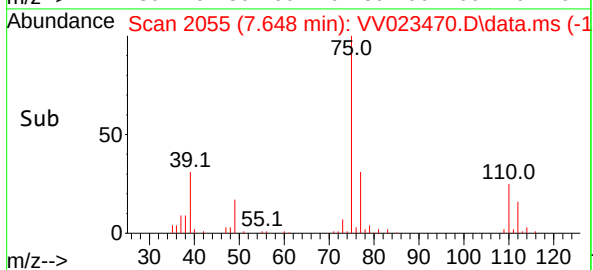
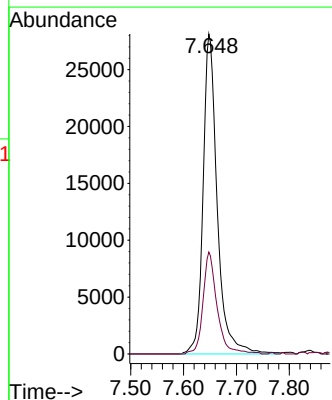
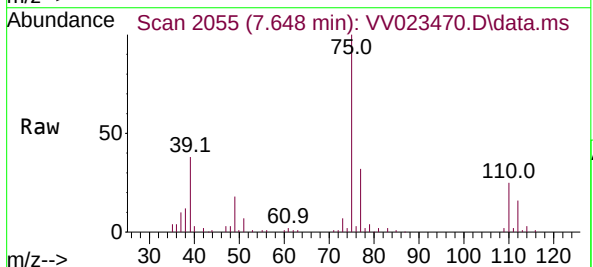
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

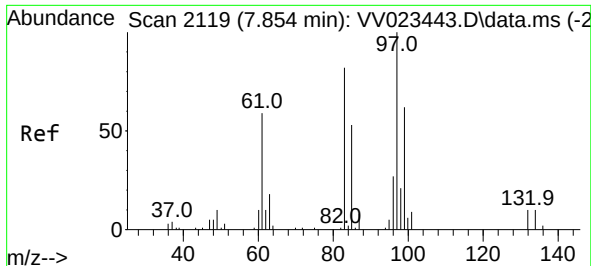
Tgt Ion: 91 Resp: 198861
Ion Ratio Lower Upper
91 100
92 57.9 39.3 72.9



#44
trans-1,3-Dichloropropene
Concen: 4.935 ug/L
RT: 7.648 min Scan# 2055
Delta R.T. -0.016 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion: 75 Resp: 52211
Ion Ratio Lower Upper
75 100
77 31.8 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.700 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. -0.016 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

Tgt Ion: 97 Resp: 29938

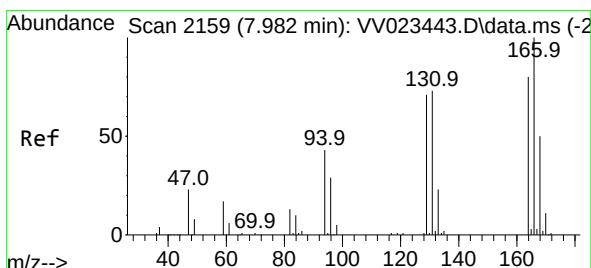
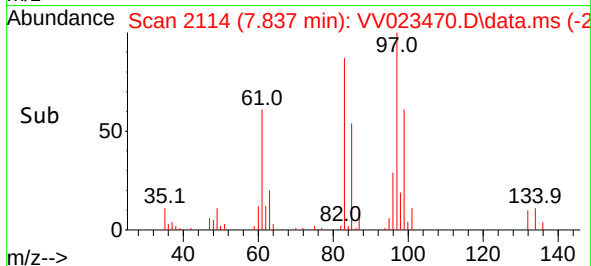
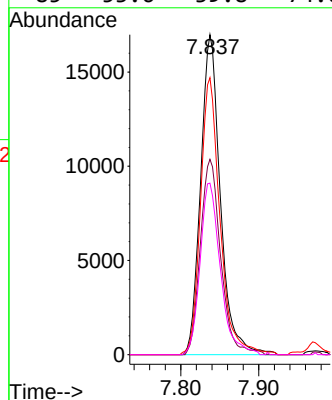
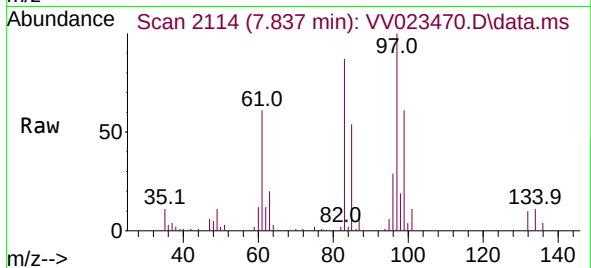
Ion Ratio Lower Upper

97 100

99 61.0 43.6 81.0

83 86.5 58.4 108.4

85 53.6 39.8 74.0



#47

Tetrachloroethene

Concen: 4.714 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.010 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Tgt Ion: 164 Resp: 41262

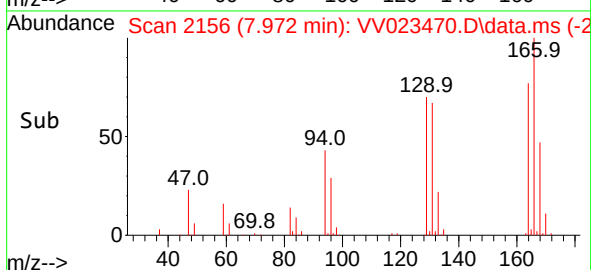
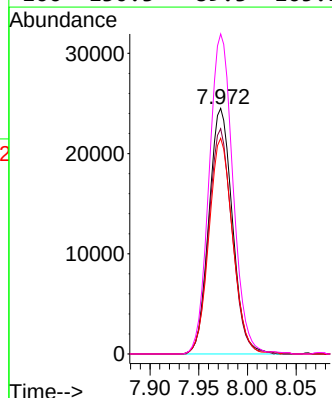
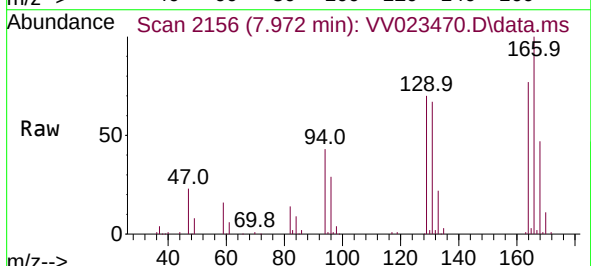
Ion Ratio Lower Upper

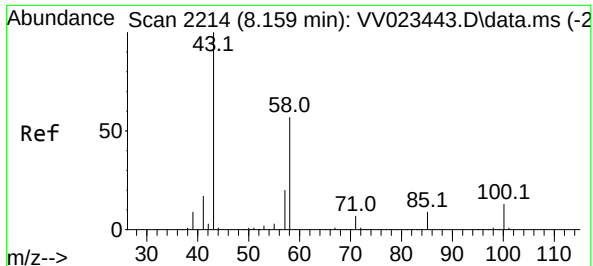
164 100

129 91.8 64.0 119.0

131 87.8 63.4 117.8

166 130.3 89.3 165.9

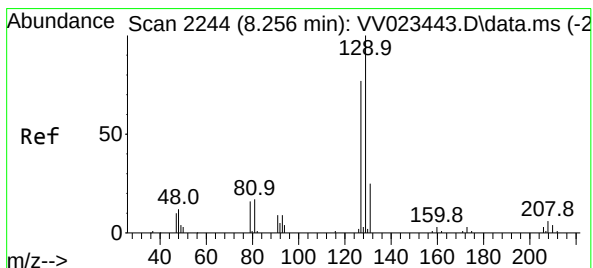
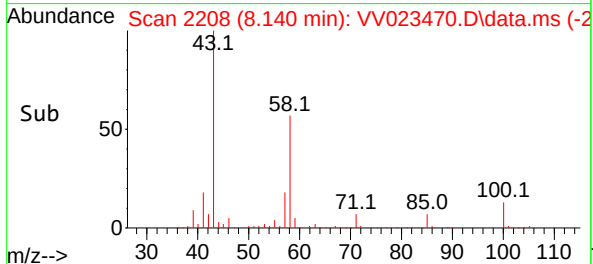
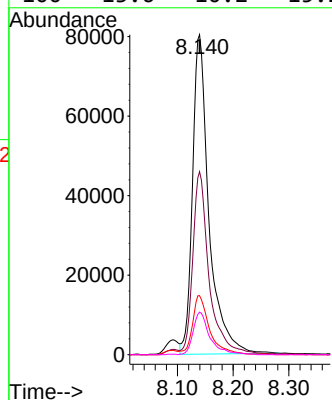
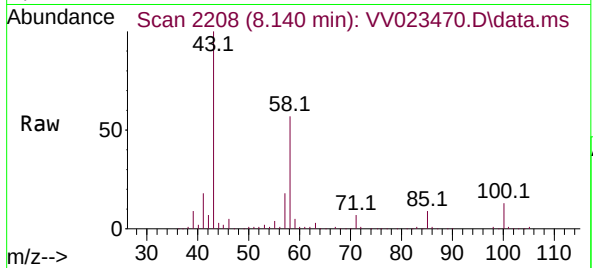




#48
2-Hexanone
Concen: 57.248 ug/L
RT: 8.140 min Scan# 21
Delta R.T. -0.019 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

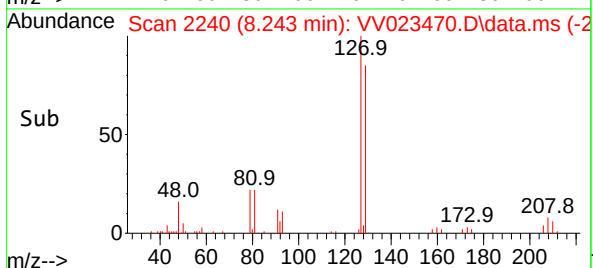
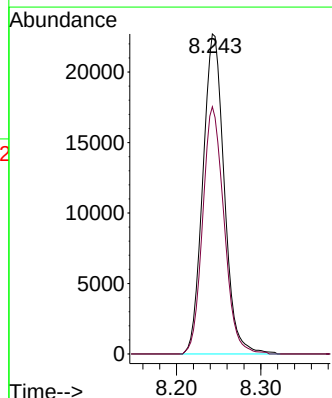
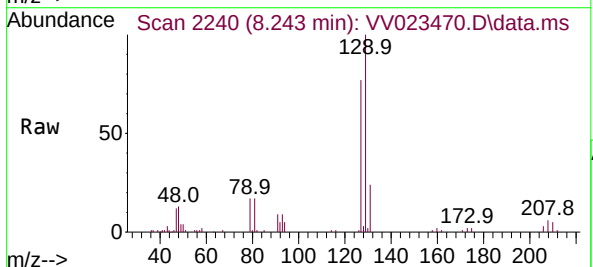
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

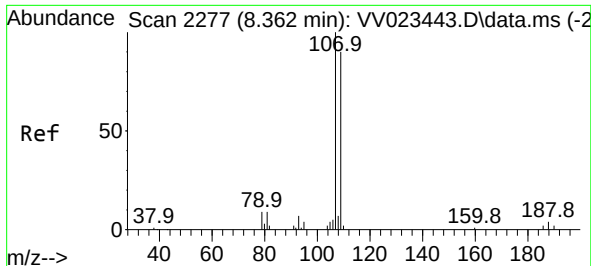
Tgt Ion: 43 Resp: 164944
Ion Ratio Lower Upper
43 100
58 56.0 43.7 65.5
57 18.8 14.1 21.1
100 13.6 10.2 15.2



#49
Dibromochloromethane
Concen: 4.967 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. -0.013 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion: 129 Resp: 40091
Ion Ratio Lower Upper
129 100
127 77.2 54.7 101.7





#50

1,2-Dibromoethane

Concen: 4.819 ug/L

RT: 8.352 min Scan# 21

Delta R.T. -0.010 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

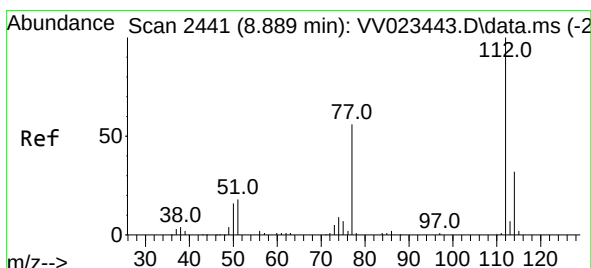
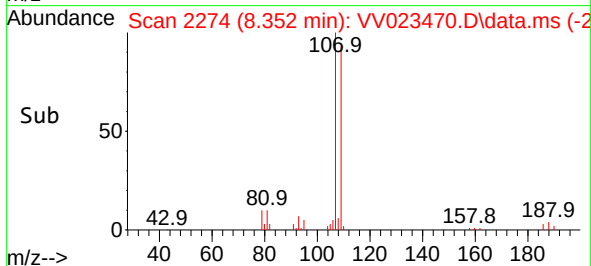
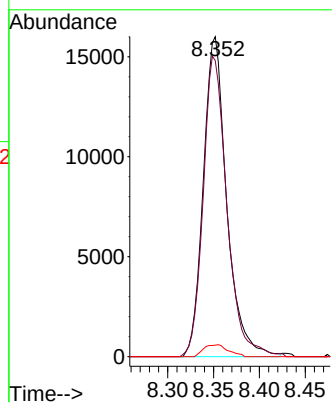
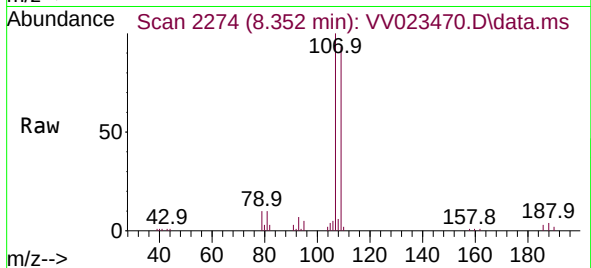
Tgt Ion:107 Resp: 28447

Ion Ratio Lower Upper

107 100

109 92.5 64.7 120.1

188 3.6 3.6 5.4



#51

Chlorobenzene

Concen: 4.654 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.010 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

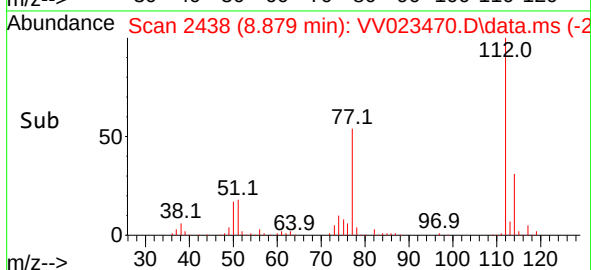
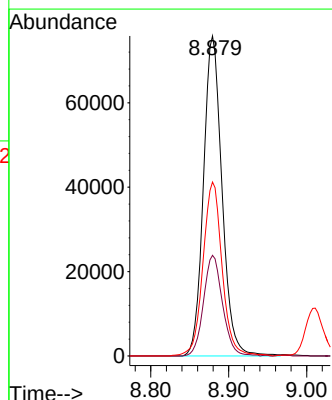
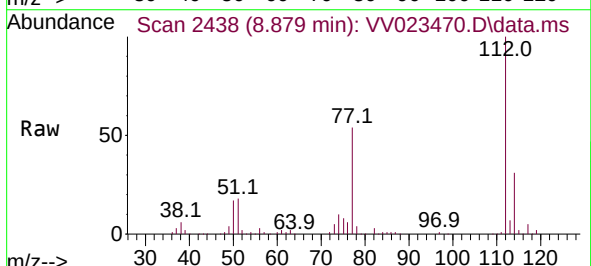
Tgt Ion:112 Resp: 125653

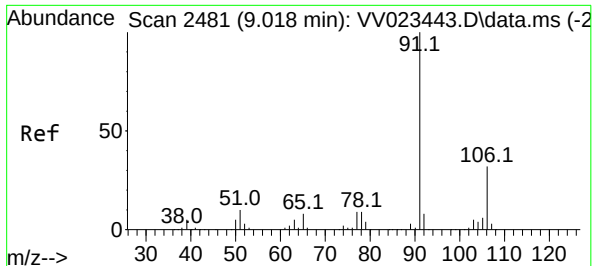
Ion Ratio Lower Upper

112 100

114 31.4 22.0 40.8

77 54.4 44.4 66.6





#52

Ethylbenzene

Concen: 4.674 ug/L

RT: 9.011 min Scan# 2481

Delta R.T. -0.007 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

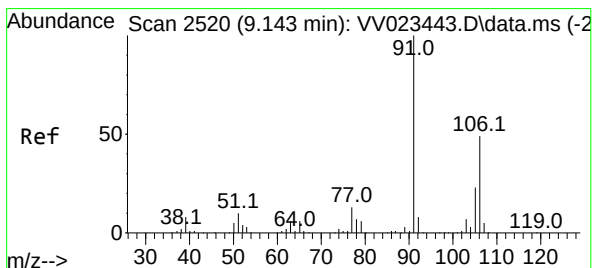
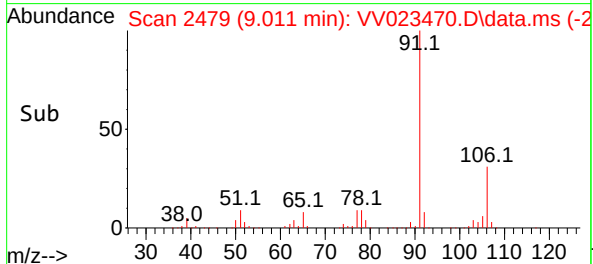
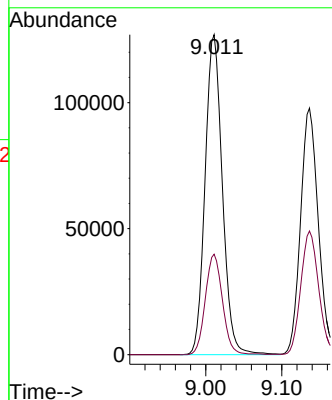
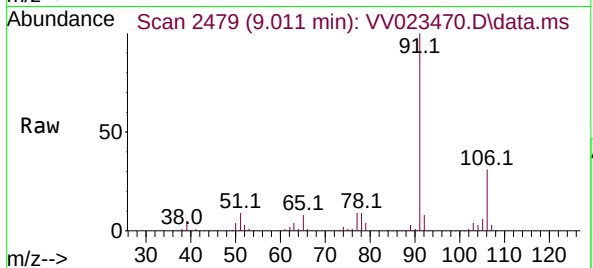
VSTD005354

Tgt Ion: 91 Resp: 200232

Ion Ratio Lower Upper

91 100

106 31.4 22.5 41.9



#53

m,p-xylene

Concen: 4.798 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. -0.007 min

Lab File: VV023470.D

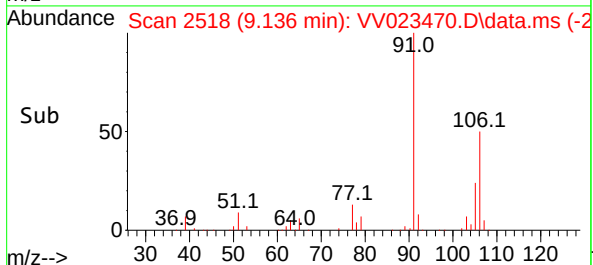
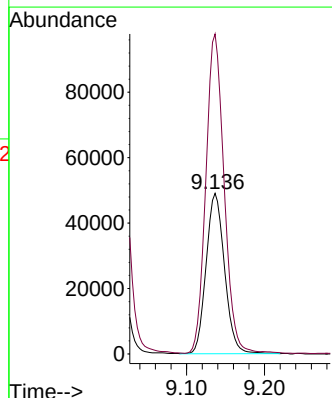
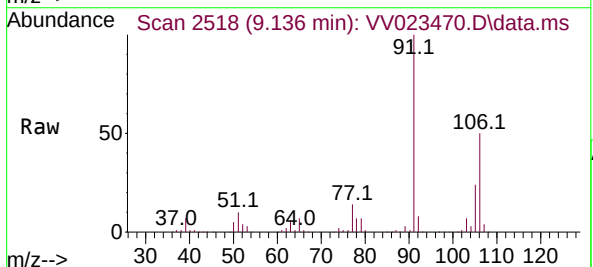
Acq: 15 Nov 2021 09:53

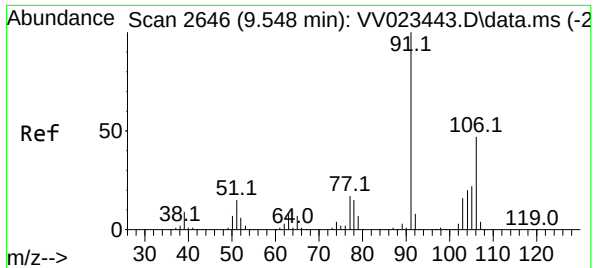
Tgt Ion:106 Resp: 80661

Ion Ratio Lower Upper

106 100

91 199.2 137.2 254.8

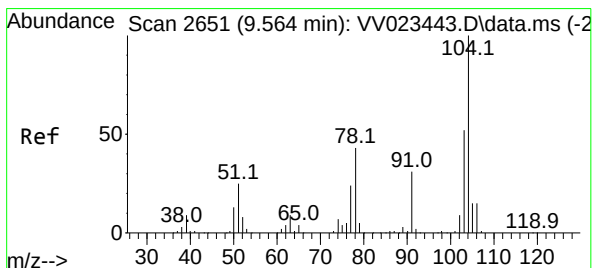
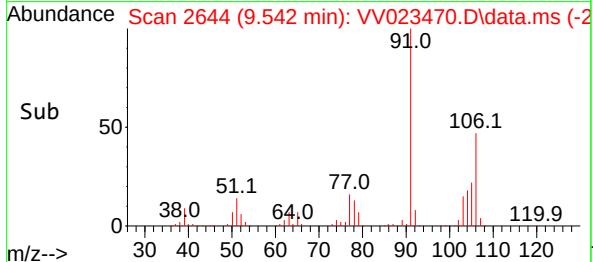
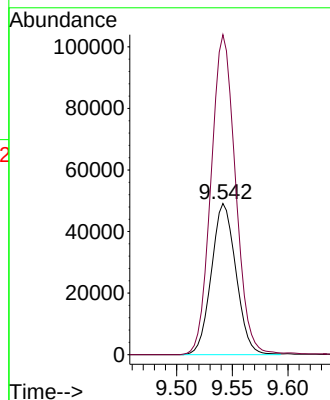
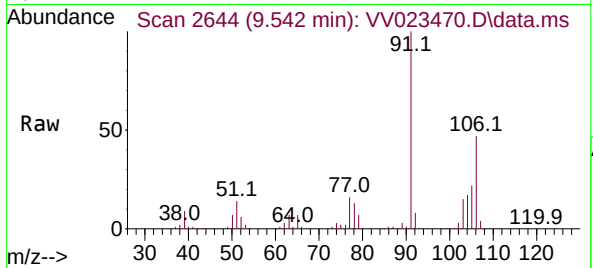




#54
o-xylene
Concen: 4.787 ug/L
RT: 9.542 min Scan# 2646
Delta R.T. -0.007 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

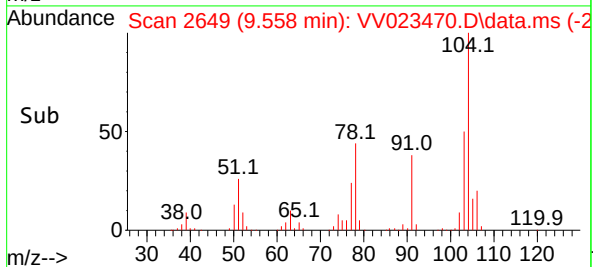
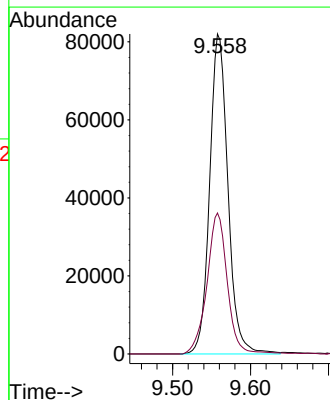
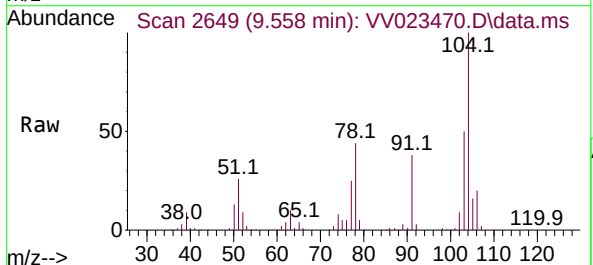
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

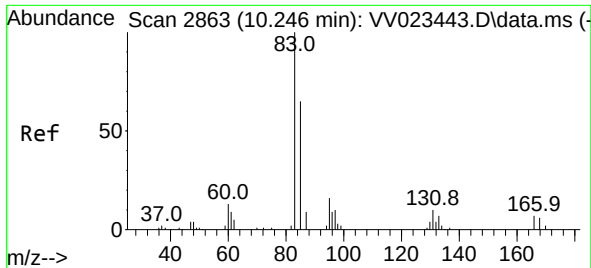
Tgt Ion:106 Resp: 75502
Ion Ratio Lower Upper
106 100
91 211.6 148.3 275.5



#55
Styrene
Concen: 4.950 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.007 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion:104 Resp: 133764
Ion Ratio Lower Upper
104 100
78 44.1 29.3 54.3

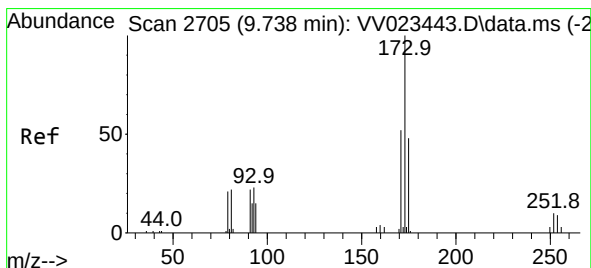
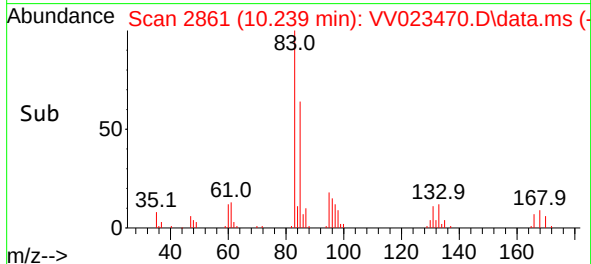
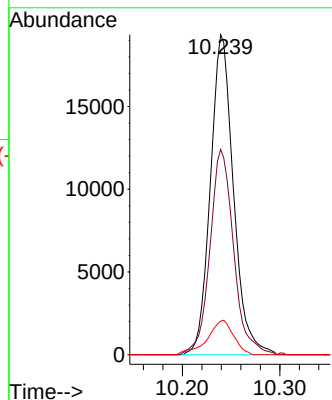
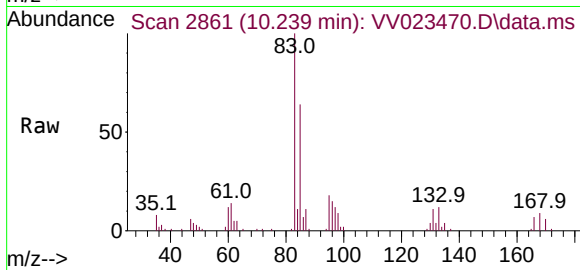




#57
1,1,2-Tetrachloroethane
Concen: 4.551 ug/L
RT: 10.239 min Scan# 21
Delta R.T. -0.007 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

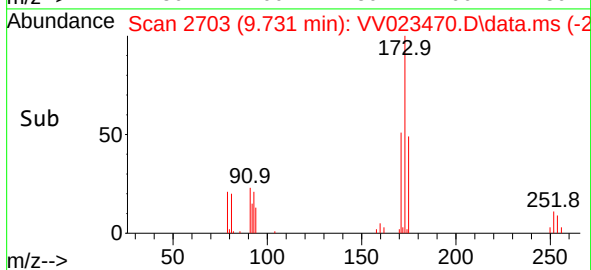
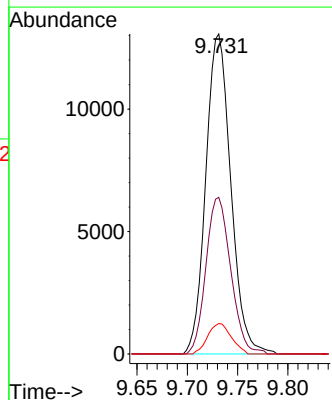
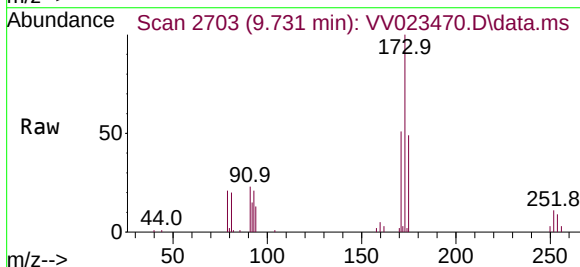
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

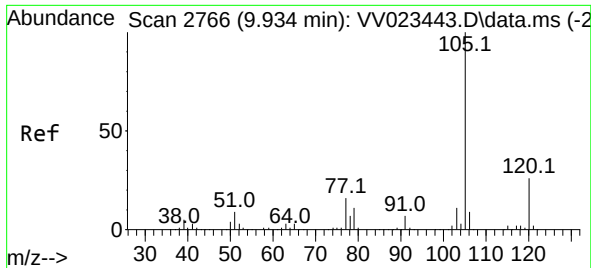
Tgt Ion: 83 Resp: 31766
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.9
131 10.5 7.8 11.6



#59
Bromoform
Concen: 4.836 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. -0.007 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion: 173 Resp: 22606
Ion Ratio Lower Upper
173 100
175 48.5 38.2 57.2
254 9.0 6.2 9.2

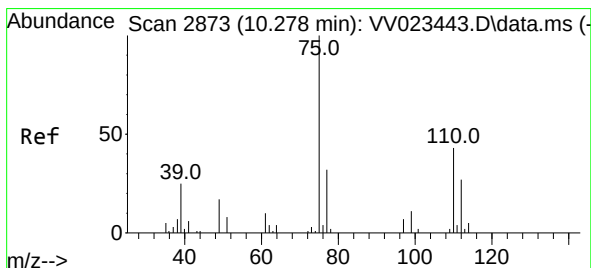
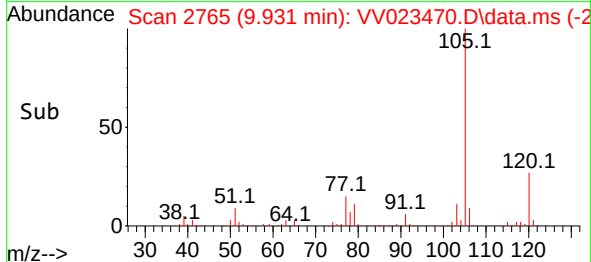
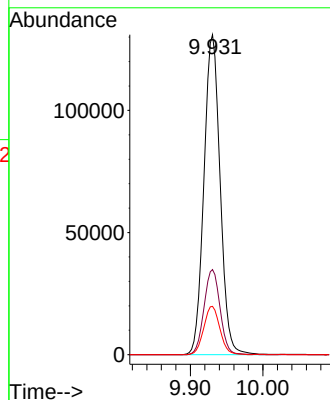
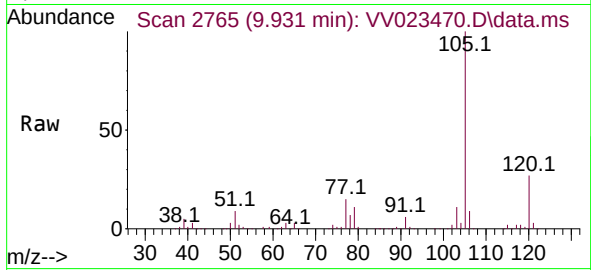




#60
Isopropylbenzene
Concen: 4.526 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

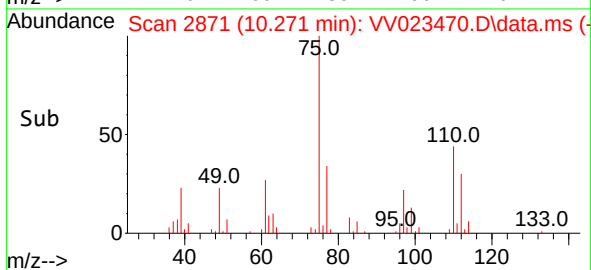
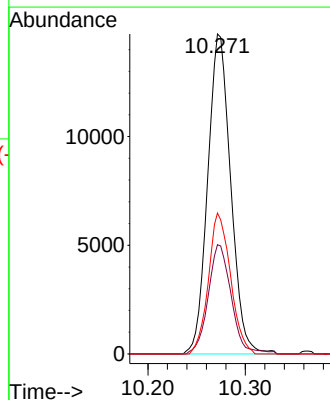
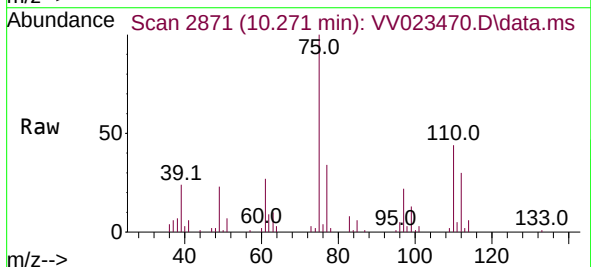
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

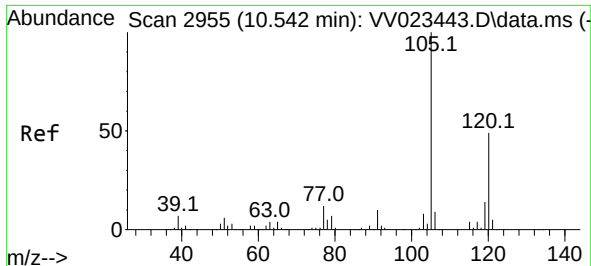
Tgt Ion:105 Resp: 203249
Ion Ratio Lower Upper
105 100
120 26.4 21.7 32.5
77 15.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.639 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.007 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion: 75 Resp: 24117
Ion Ratio Lower Upper
75 100
77 34.2 26.6 39.8
110 42.3 31.8 47.6

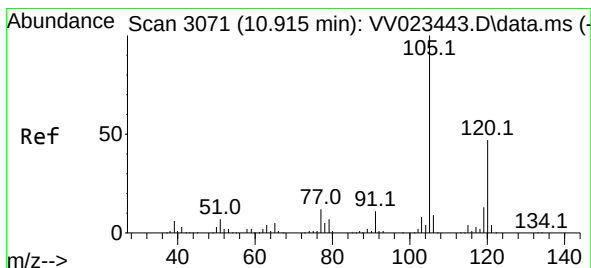
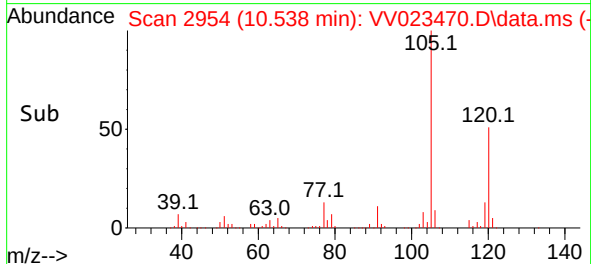
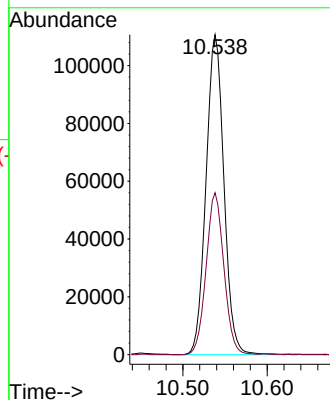
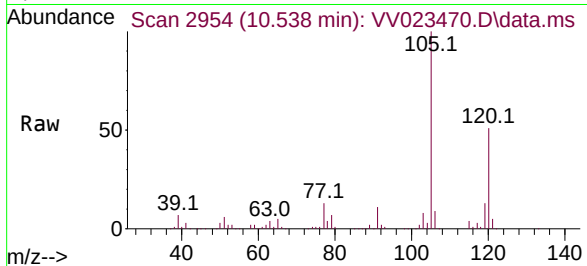




#62
 1,3,5-Trimethylbenzene
 Concen: 4.398 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. -0.003 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

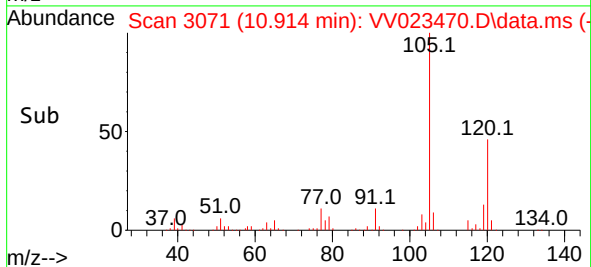
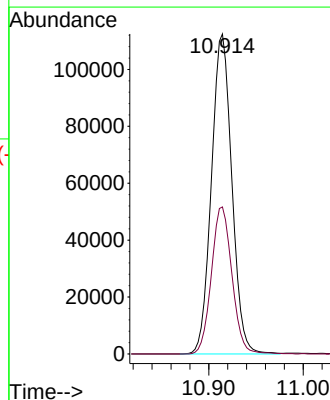
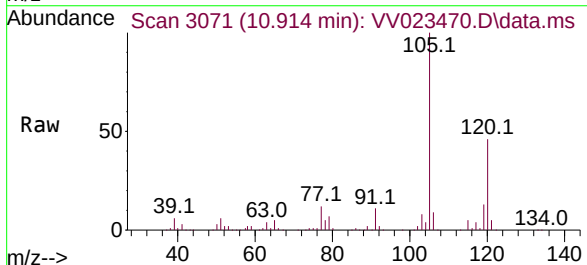
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005354

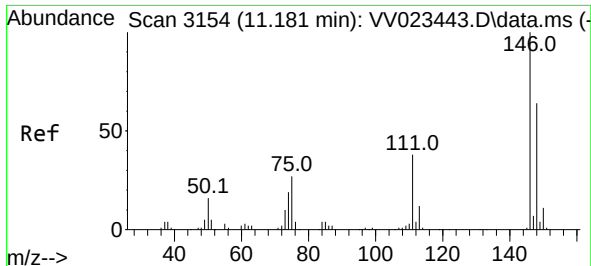
Tgt Ion:105 Resp: 163741
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 4.548 ug/L
 RT: 10.914 min Scan# 3071
 Delta R.T. -0.000 min
 Lab File: VV023470.D
 Acq: 15 Nov 2021 09:53

Tgt Ion:105 Resp: 168563
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.4 56.2

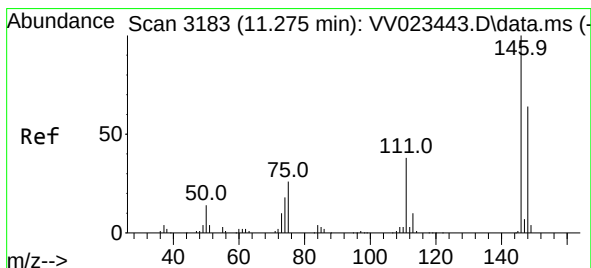
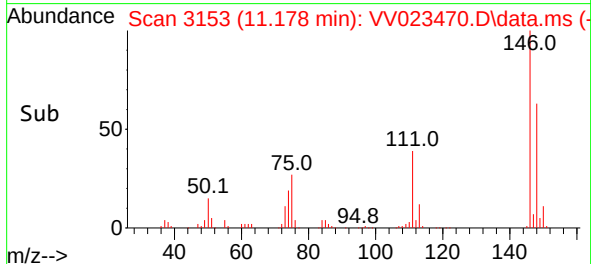
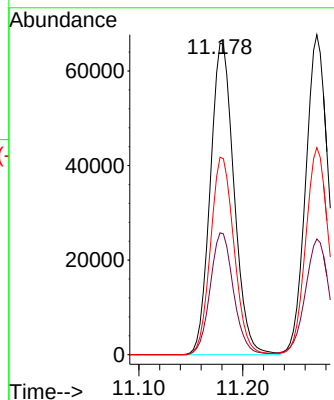
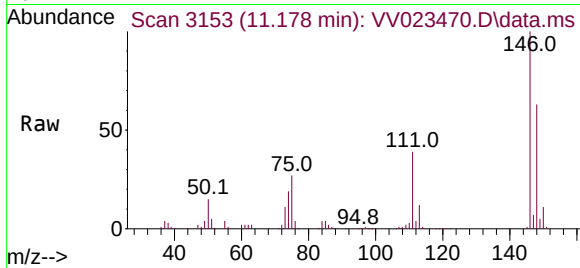




#64
1,3-Dichlorobenzene
Concen: 4.558 ug/L
RT: 11.178 min Scan# 3154
Delta R.T. -0.003 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

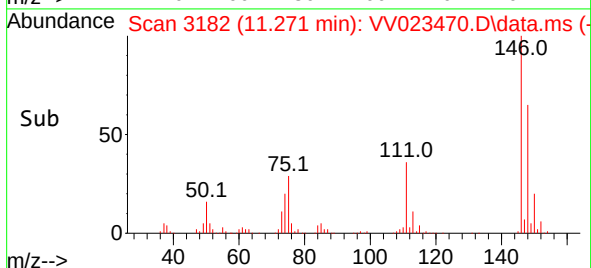
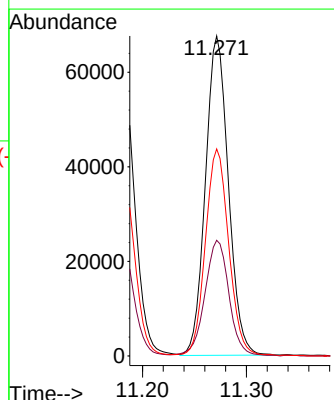
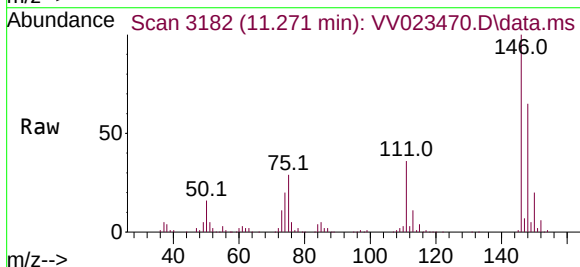
Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

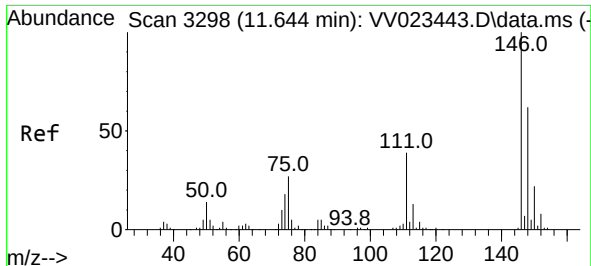
Tgt Ion:146 Resp: 104585
Ion Ratio Lower Upper
146 100
111 39.1 26.7 49.7
148 63.4 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 4.418 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.003 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion:146 Resp: 103525
Ion Ratio Lower Upper
146 100
111 36.2 26.2 48.8
148 64.7 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 4.674 ug/L

RT: 11.641 min Scan# 3298

Delta R.T. -0.003 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

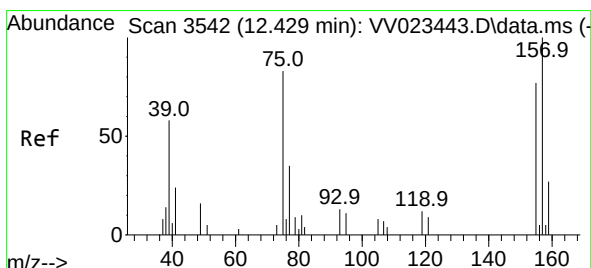
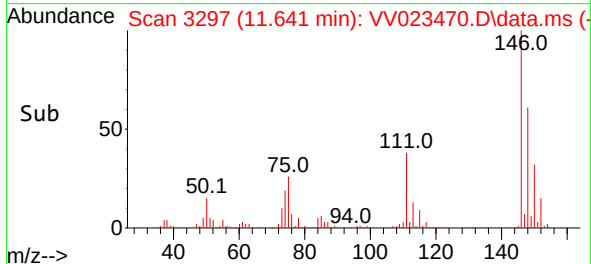
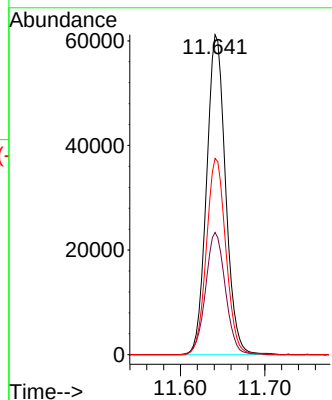
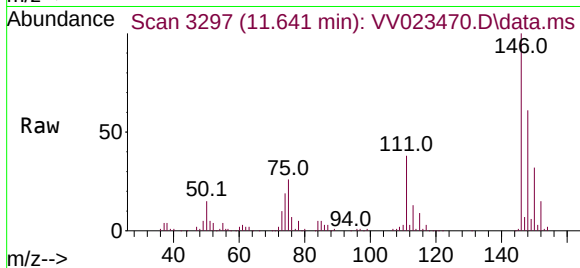
Tgt Ion:146 Resp: 95968

Ion Ratio Lower Upper

146 100

111 38.2 31.6 47.4

148 61.3 51.0 76.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.571 ug/L

RT: 12.429 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

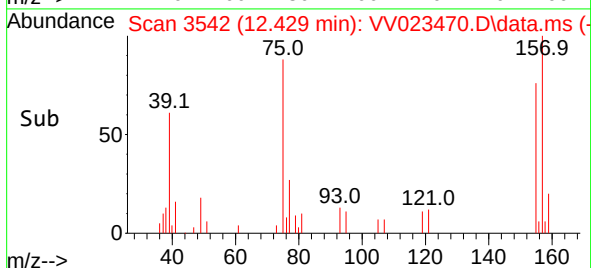
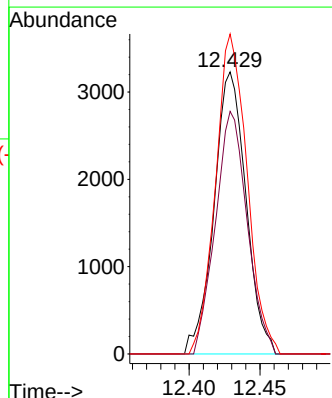
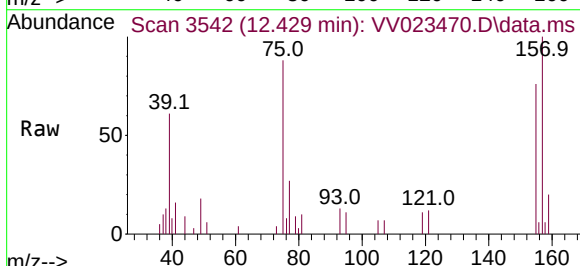
Tgt Ion: 75 Resp: 5062

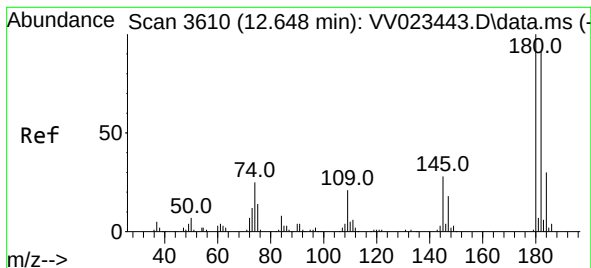
Ion Ratio Lower Upper

75 100

155 86.0 67.7 101.5

157 113.5 87.9 131.9





#69

1,3,5-Trichlorobenzene

Concen: 4.365 ug/L

RT: 12.644 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD005354

Tgt Ion:180 Resp: 78417

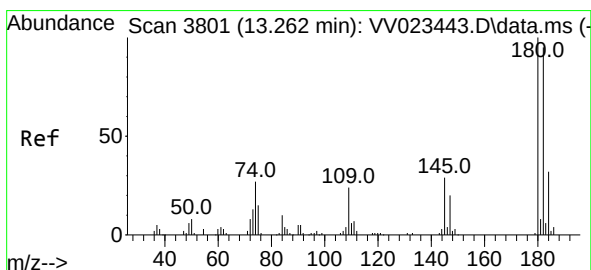
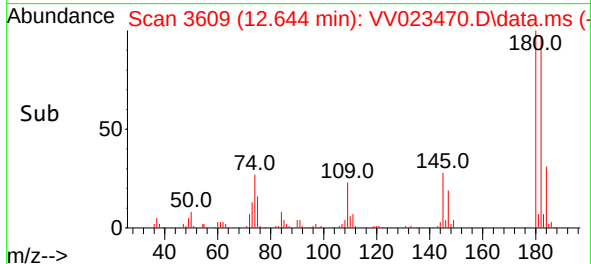
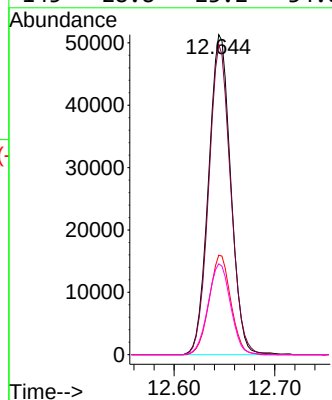
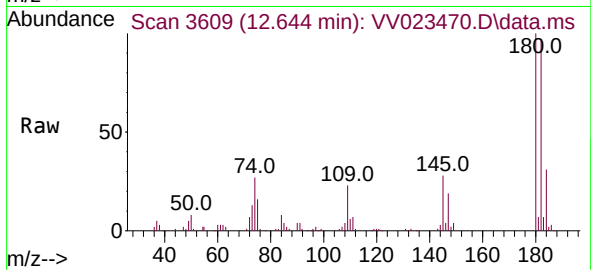
Ion Ratio Lower Upper

180 100

182 95.9 74.9 112.3

184 30.4 23.8 35.8

145 28.8 23.2 34.8



#70

1,2,4-trichlorobenzene

Concen: 4.124 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. -0.000 min

Lab File: VV023470.D

Acq: 15 Nov 2021 09:53

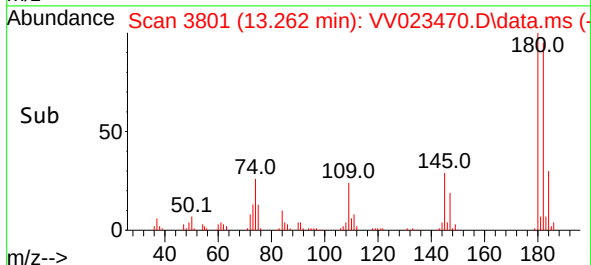
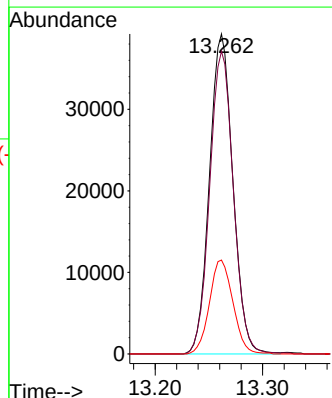
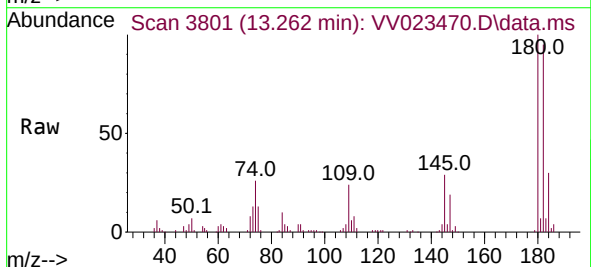
Tgt Ion:180 Resp: 59336

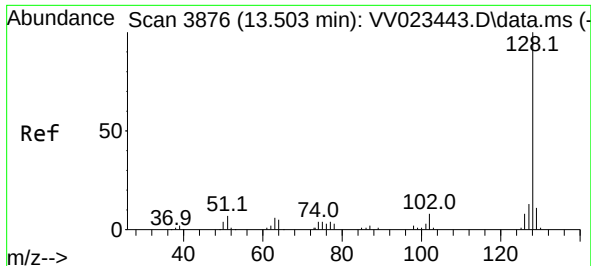
Ion Ratio Lower Upper

180 100

182 95.6 76.9 115.3

145 29.4 24.4 36.6

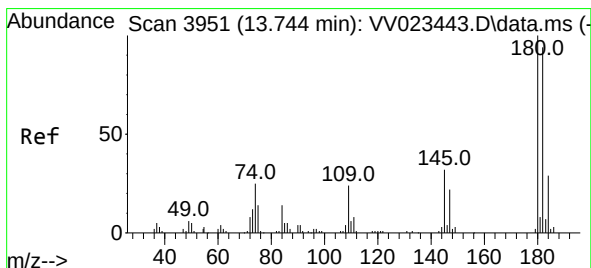
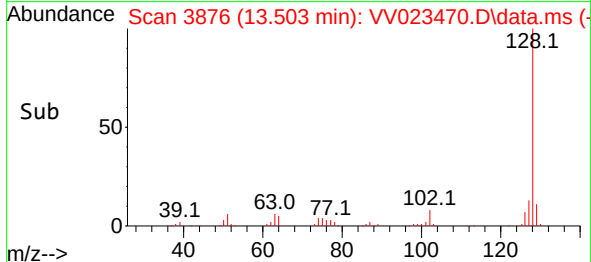
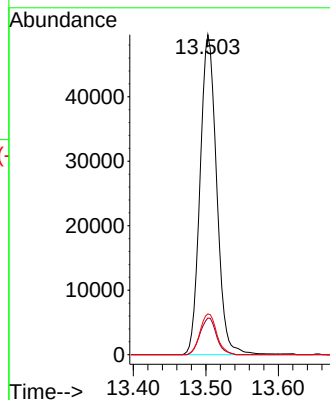
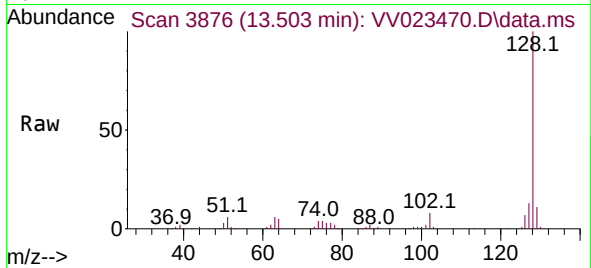




#71
Naphthalene
Concen: 3.720 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. -0.000 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD005354

Tgt Ion:128 Resp: 78909
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 12.8 10.5 15.7



#72
1,2,3-Trichlorobenzene
Concen: 4.330 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. -0.000 min
Lab File: VV023470.D
Acq: 15 Nov 2021 09:53

Tgt Ion:180 Resp: 54497
Ion Ratio Lower Upper
180 100
182 92.3 76.7 115.1
145 30.4 25.7 38.5

