

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VV023549.D
 Acq On : 16 Nov 2021 21:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

Quant Time: Nov 17 00:56:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 00:48:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	127046	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	124008	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69825	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	37212	4.676	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.568	69	30256	4.664	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.111	63	71231	4.781	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.600%
20) 2-Butanone-d5	3.908	46	74256	54.155	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.300%
24) Chloroform-d	4.349	84	69784	4.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.200%
26) 1,2-Dichloroethane-d4	5.034	65	37044	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.200%
32) Benzene-d6	5.053	84	146013	4.589	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.069	67	42409	4.528	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.317	98	142234	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	7.625	79	16633	4.683	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.092	63	56119	42.947	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.900%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	30002	4.454	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	53141	4.571	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	54253	4.379	ug/L	99
3) Chloromethane	1.240	50	49711	4.720	ug/L	96
5) Vinyl chloride	1.311	62	49071	4.665	ug/L	99
6) Bromomethane	1.523	94	30299	4.506	ug/L	99
8) Chloroethane	1.587	64	30022	4.946	ug/L	99
9) Trichlorofluoromethane	1.754	101	78466	4.964	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	39651	4.983	ug/L	98
12) 1,1-Dichloroethene	2.121	96	36799	4.857	ug/L	85
13) Acetone	2.201	43	49050	58.544	ug/L	97
14) Carbon disulfide	2.294	76	120173	4.203	ug/L	100
15) Methyl Acetate	2.439	43	12993	5.479	ug/L	91
16) Methylene chloride	2.507	84	45360	4.103	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	82512	4.948	ug/L	98
18) trans-1,2-Dichloroethene	2.761	96	42378	4.550	ug/L	97
19) 1,1-Dichloroethane	3.191	63	75018	4.771	ug/L	96
21) 2-Butanone	3.989	43	67454	49.797	ug/L	93
22) cis-1,2-Dichloroethene	3.915	96	43203	4.820	ug/L	# 89
23) Bromochloromethane	4.249	128	19942	4.825	ug/L	# 85
25) Chloroform	4.378	83	88937	5.306	ug/L	97

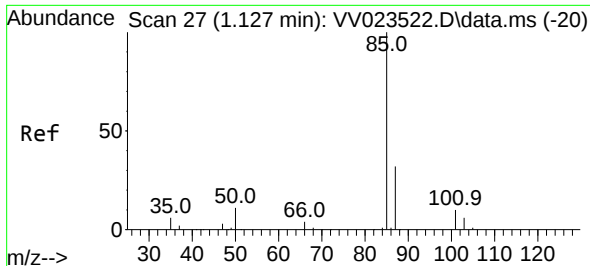
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 Data File : VV023549.D
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 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Nov 17 00:56:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 00:48:57 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	43690	4.901	ug/L	99
29) 1,1,1-Trichloroethane	4.609	97	72765	4.831	ug/L	99
30) Cyclohexane	4.680	56	59932	4.441	ug/L	96
31) Carbon tetrachloride	4.828	117	66032	4.882	ug/L	97
33) Benzene	5.101	78	170291	4.913	ug/L	100
34) Trichloroethene	5.915	95	43935	4.767	ug/L	98
35) Methylcyclohexane	6.133	83	64336	4.422	ug/L	97
37) 1,2-Dichloropropane	6.175	63	40496	5.005	ug/L	98
38) Bromodichloromethane	6.510	83	53052	4.892	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	54068	4.646	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	199155	53.068	ug/L	97
42) Toluene	7.387	91	186109	5.020	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	46681	4.834	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	28788	4.952	ug/L	99
47) Tetrachloroethene	7.976	164	38628	4.836	ug/L	95
48) 2-Hexanone	8.143	43	147215	55.983	ug/L	98
49) Dibromochloromethane	8.246	129	36691	4.981	ug/L	99
50) 1,2-Dibromoethane	8.352	107	26209	4.864	ug/L	100
51) Chlorobenzene	8.883	112	117945	4.786	ug/L	99
52) Ethylbenzene	9.011	91	187868	4.805	ug/L	99
53) m,p-xylene	9.140	106	75585	4.926	ug/L	96
54) o-xylene	9.545	106	72905	5.064	ug/L	98
55) Styrene	9.561	104	125525	5.090	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.243	83	28478	4.471	ug/L #	94
59) Bromoform	9.731	173	20088	4.817	ug/L #	98
60) Isopropylbenzene	9.931	105	195093	4.869	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	21853	4.711	ug/L	96
62) 1,3,5-Trimethylbenzene	10.538	105	158015	4.756	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	162193	4.905	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	99167	4.844	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	98261	4.700	ug/L	99
67) 1,2-Dichlorobenzene	11.645	146	88101	4.809	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	4501	4.555	ug/L	96
69) 1,3,5-Trichlorobenzene	12.644	180	72028	4.493	ug/L	97
70) 1,2,4-trichlorobenzene	13.262	180	54214	4.223	ug/L	100
71) Naphthalene	13.503	128	72408	3.825	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	51032	4.544	ug/L	99

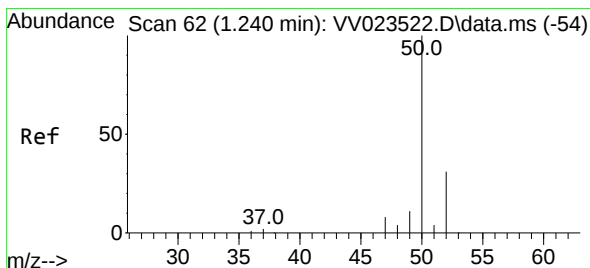
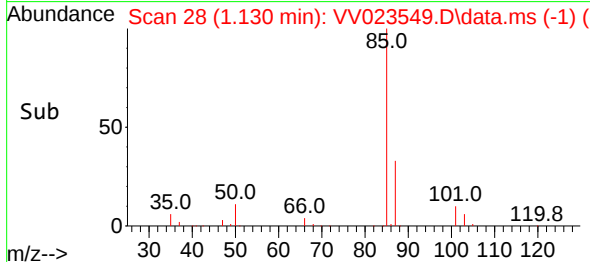
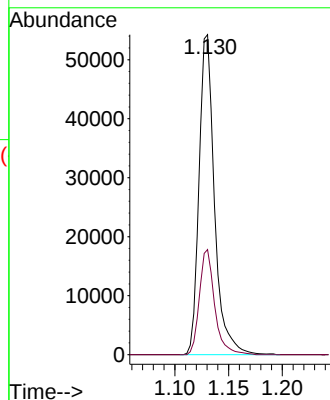
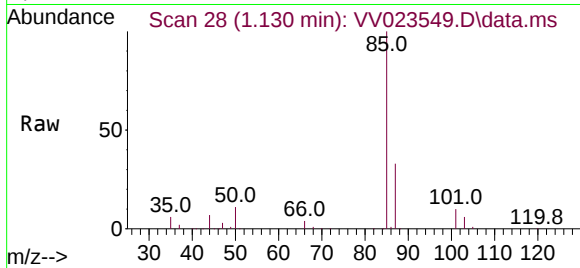
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#2
 Dichlorodifluoromethane
 Concen: 4.379 ug/L
 RT: 1.130 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

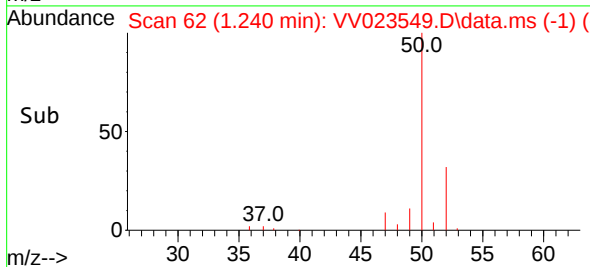
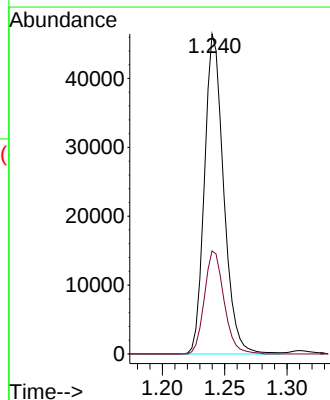
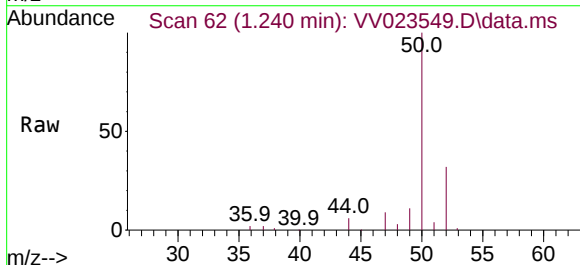
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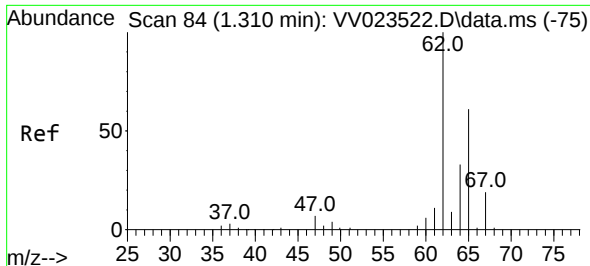
Tgt Ion: 85 Resp: 54253
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.6 39.8



#3
 Chloromethane
 Concen: 4.720 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Tgt Ion: 50 Resp: 49711
 Ion Ratio Lower Upper
 50 100
 52 32.2 24.3 45.1

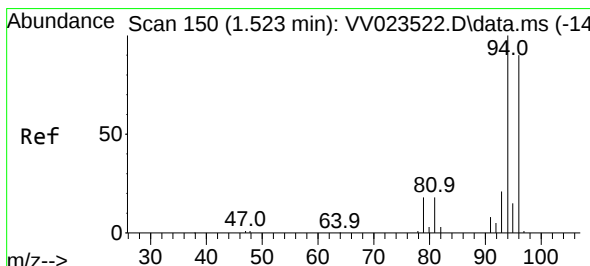
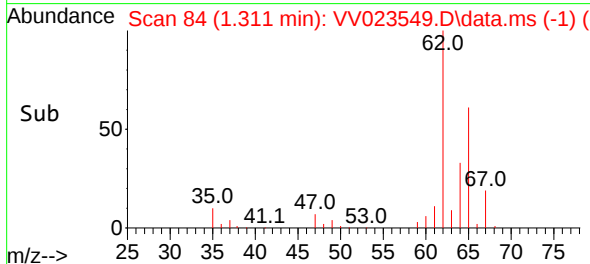
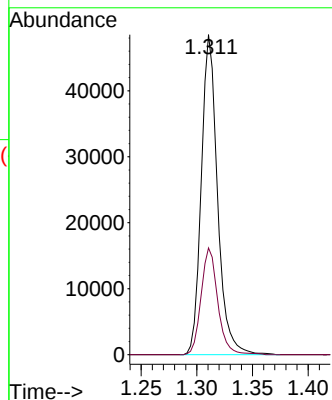
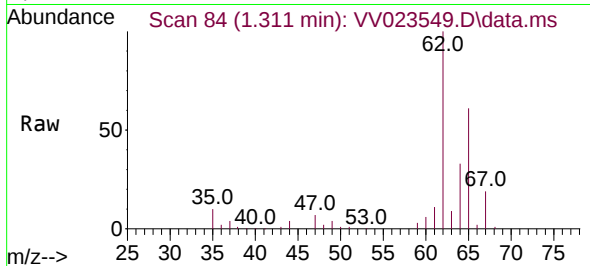




#5
 Vinyl chloride
 Concen: 4.665 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

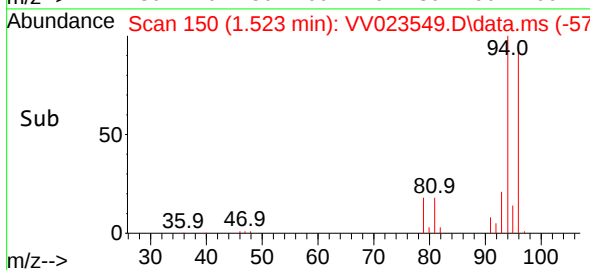
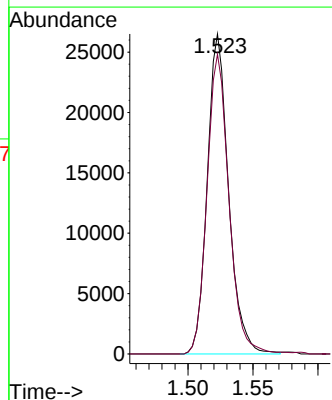
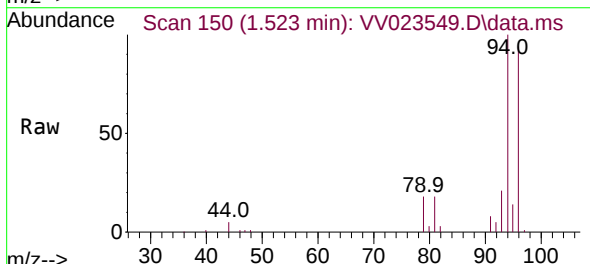
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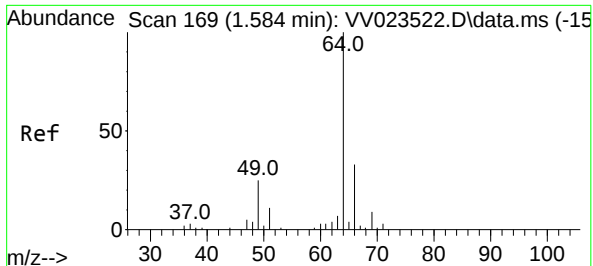
Tgt Ion: 62 Resp: 49071
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.1 42.9



#6
 Bromomethane
 Concen: 4.506 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Tgt Ion: 94 Resp: 30299
 Ion Ratio Lower Upper
 94 100
 96 93.6 65.0 120.8





#8

Chloroethane

Concen: 4.946 ug/L

RT: 1.587 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

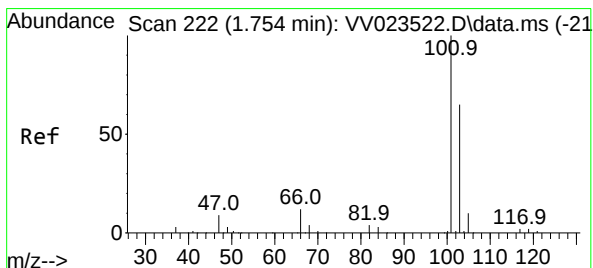
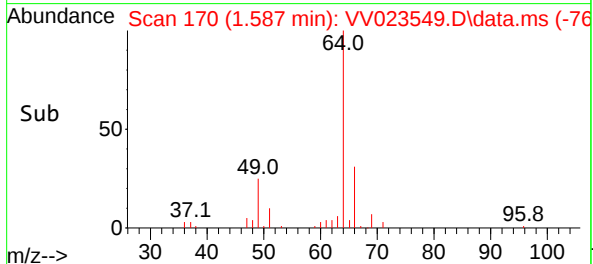
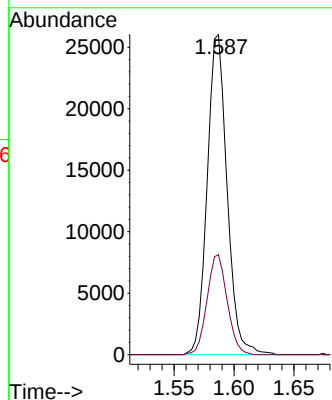
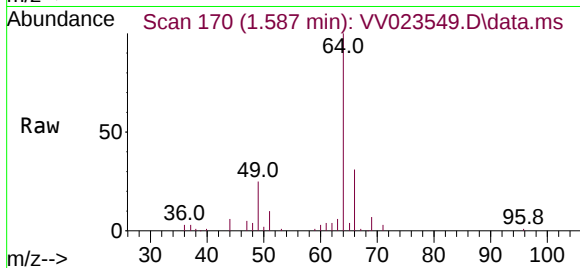
VSTD005358

Tgt Ion: 64 Resp: 30022

Ion Ratio Lower Upper

64 100

66 31.3 22.1 41.1



#9

Trichlorofluoromethane

Concen: 4.964 ug/L

RT: 1.754 min Scan# 222

Delta R.T. 0.000 min

Lab File: VV023549.D

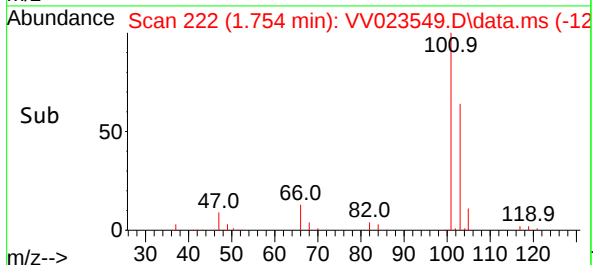
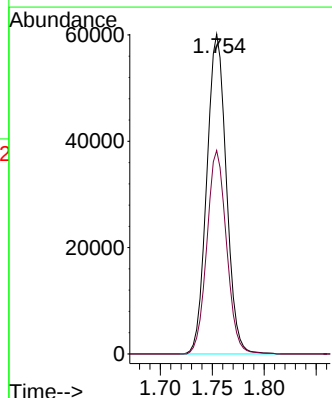
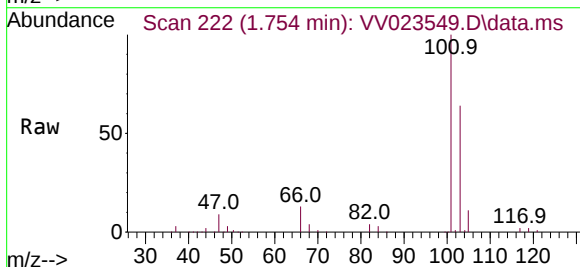
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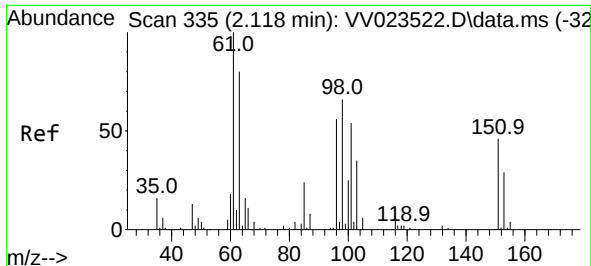
Tgt Ion:101 Resp: 78466

Ion Ratio Lower Upper

101 100

103 64.0 52.6 79.0

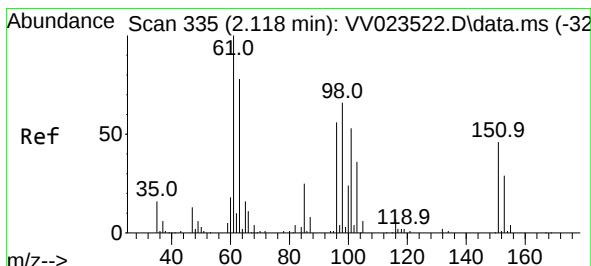
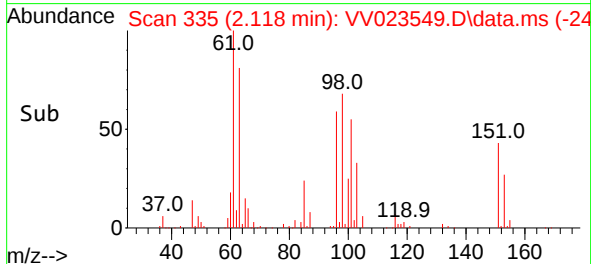
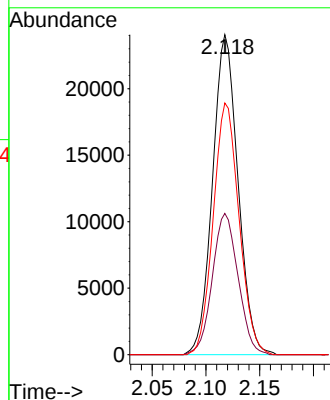
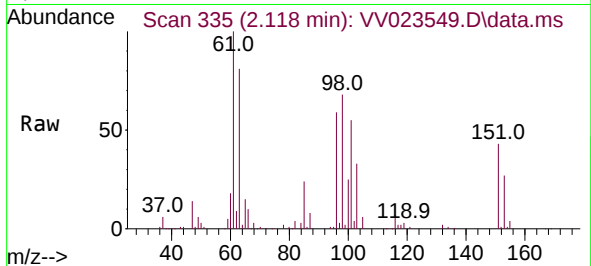




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.983 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

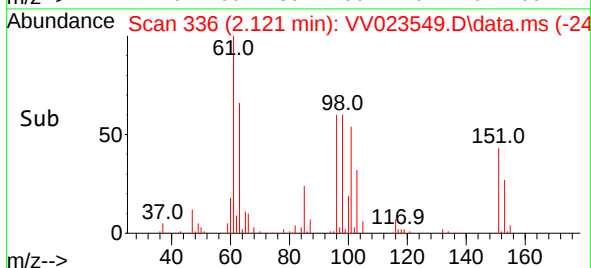
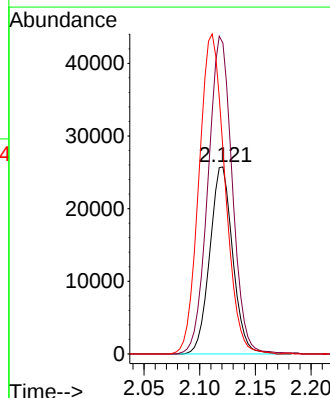
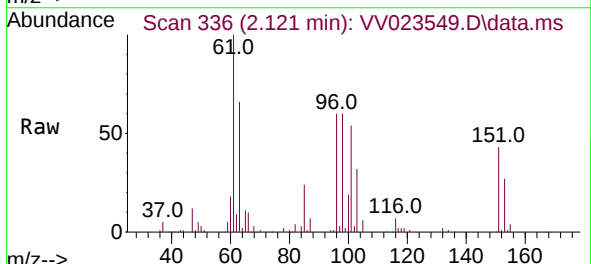
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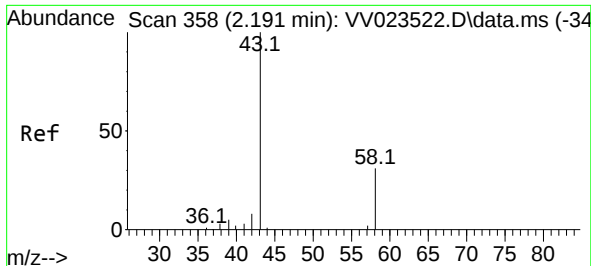
Tgt Ion:101 Resp: 39651
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.3 52.9
 151 79.6 62.2 93.2



#12
 1,1-Dichloroethene
 Concen: 4.857 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Tgt Ion: 96 Resp: 36799
 Ion Ratio Lower Upper
 96 100
 61 166.2 121.5 225.7
 63 109.6 99.6 185.0

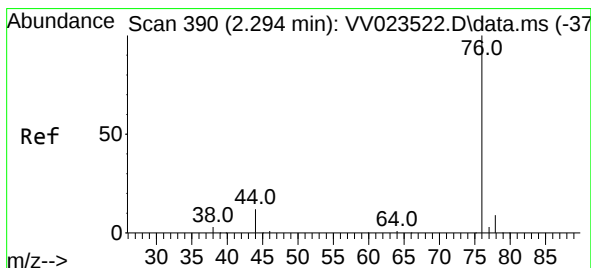
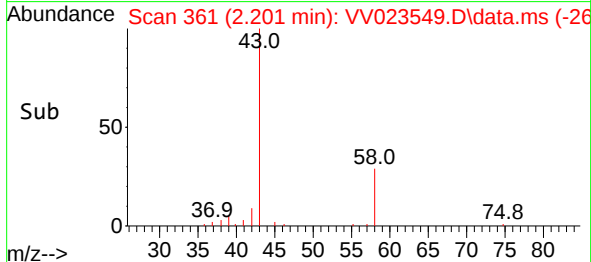
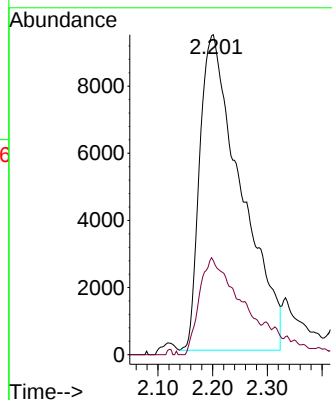
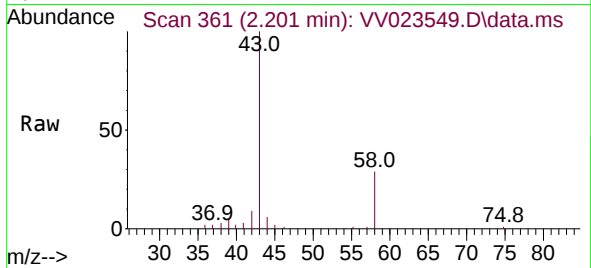




#13
Acetone
Concen: 58.544 ug/L
RT: 2.201 min Scan# 301
Delta R.T. 0.010 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

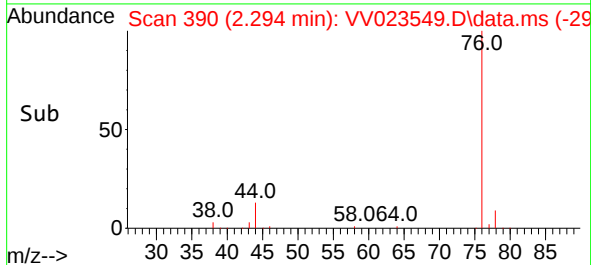
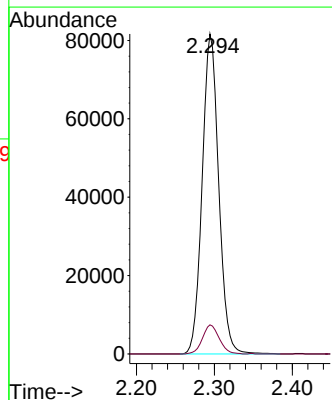
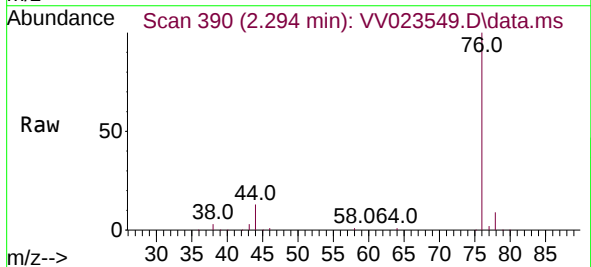
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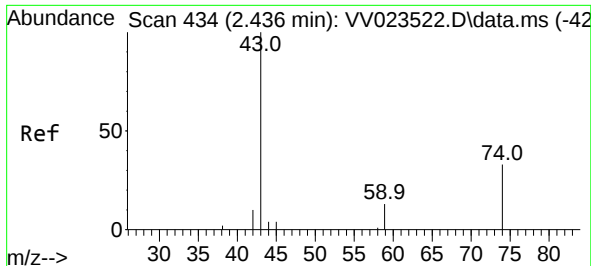
Tgt Ion: 43 Resp: 49050
Ion Ratio Lower Upper
43 100
58 29.3 0.0 55.4



#14
Carbon disulfide
Concen: 4.203 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt Ion: 76 Resp: 120173
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 5.479 ug/L

RT: 2.439 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

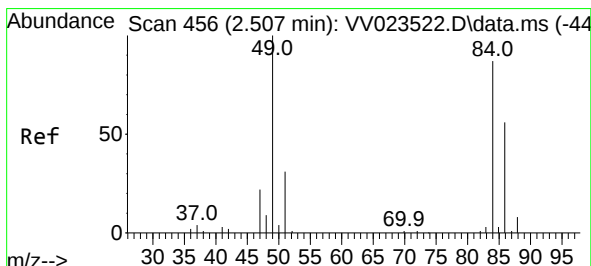
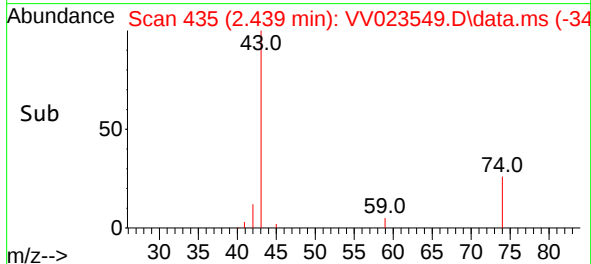
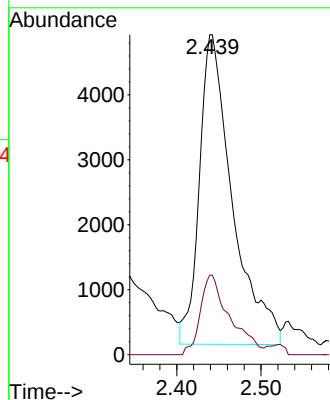
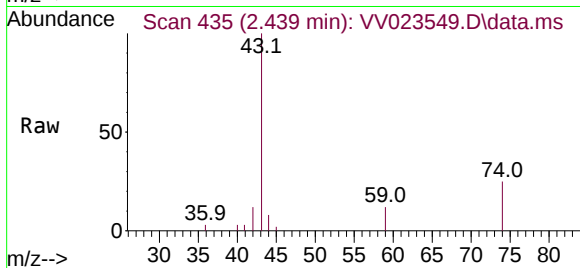
VSTD005358

Tgt Ion: 43 Resp: 12993

Ion Ratio Lower Upper

43 100

74 23.1 22.2 33.2



#16

Methylene chloride

Concen: 4.103 ug/L

RT: 2.507 min Scan# 456

Delta R.T. 0.000 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

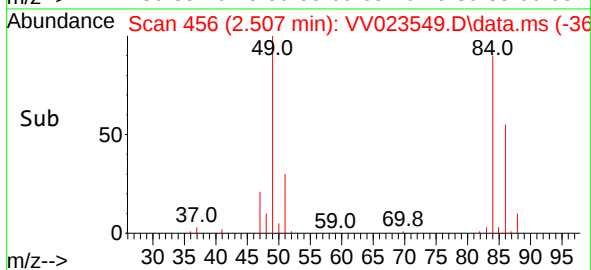
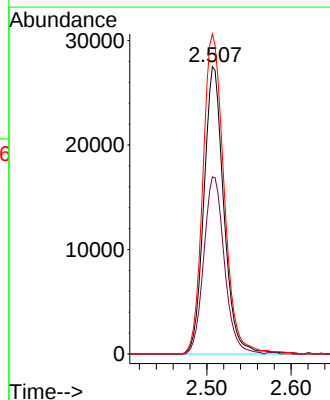
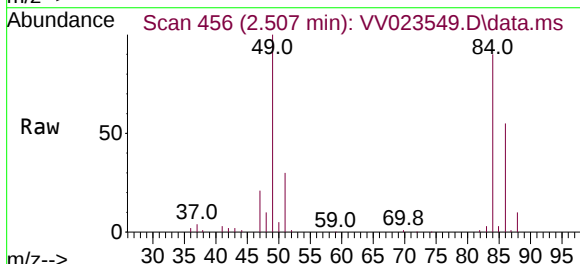
Tgt Ion: 84 Resp: 45360

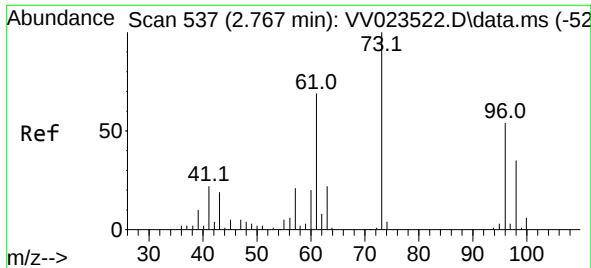
Ion Ratio Lower Upper

84 100

86 61.6 42.3 78.5

49 111.3 79.7 148.1

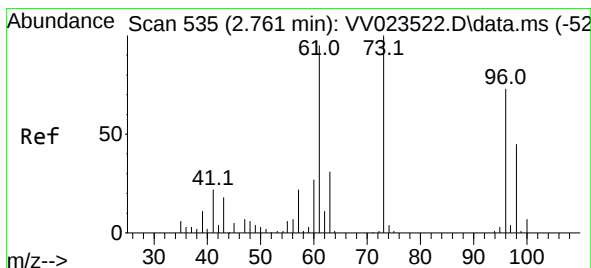
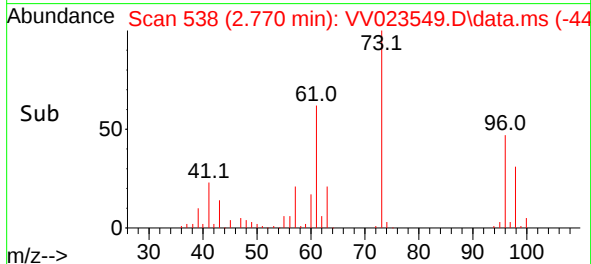
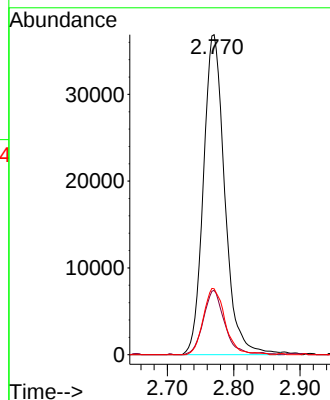
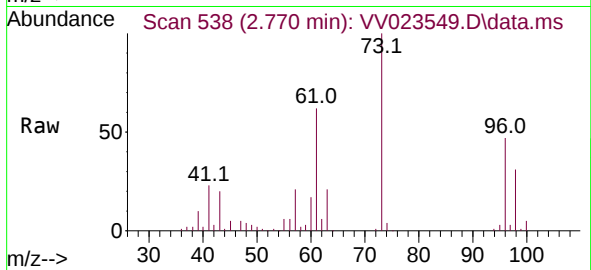




#17
Methyl tert-butyl Ether
Concen: 4.948 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

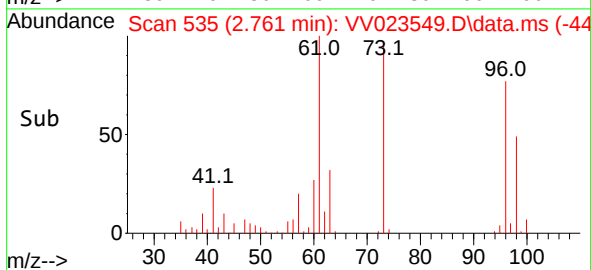
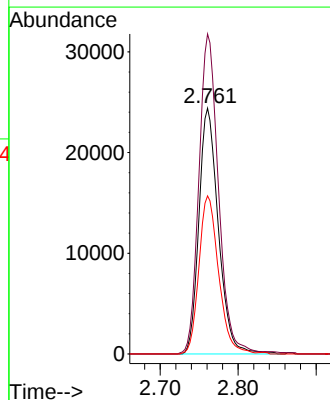
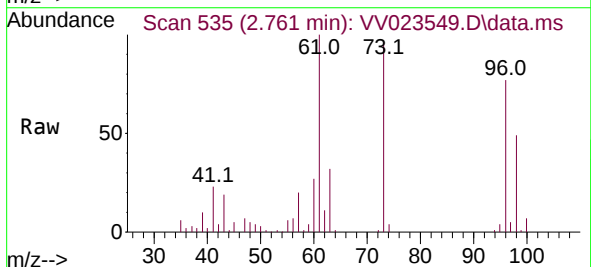
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

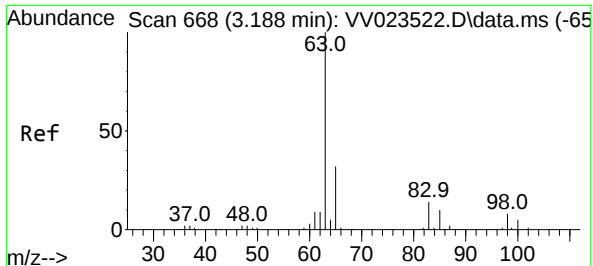
Tgt Ion: 73 Resp: 82512
Ion Ratio Lower Upper
73 100
43 19.8 17.4 26.0
57 20.8 16.5 24.7



#18
trans-1,2-Dichloroethene
Concen: 4.550 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt Ion: 96 Resp: 42378
Ion Ratio Lower Upper
96 100
61 130.2 93.2 173.2
98 64.3 47.0 87.2





#19

1,1-Dichloroethane

Concen: 4.771 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

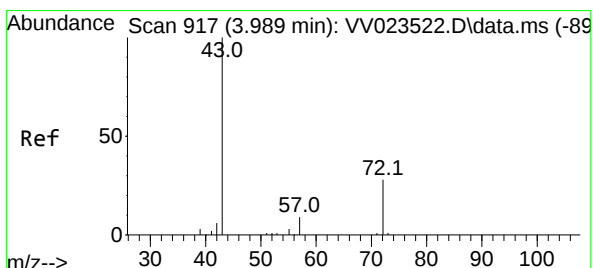
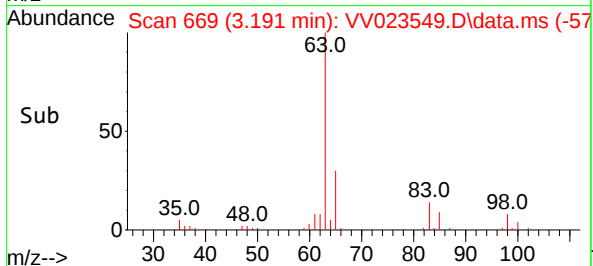
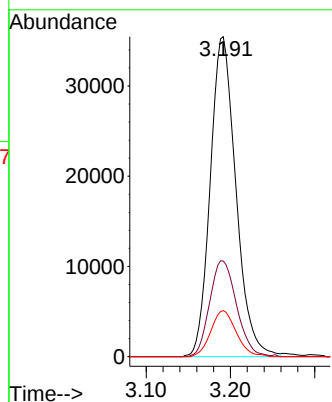
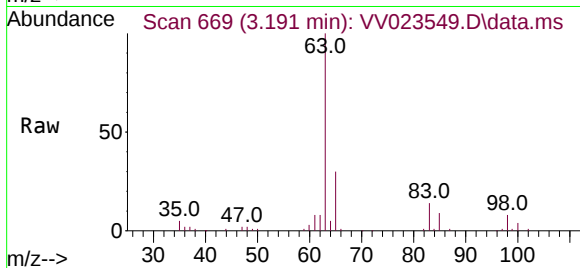
Tgt Ion: 63 Resp: 75018

Ion Ratio Lower Upper

63 100

65 29.9 22.6 42.0

83 14.4 11.1 20.7



#21

2-Butanone

Concen: 49.797 ug/L

RT: 3.989 min Scan# 917

Delta R.T. 0.000 min

Lab File: VV023549.D

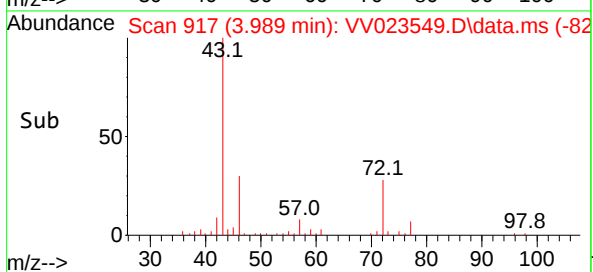
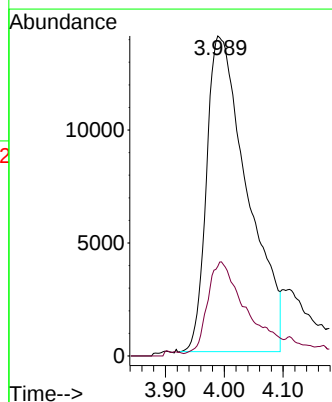
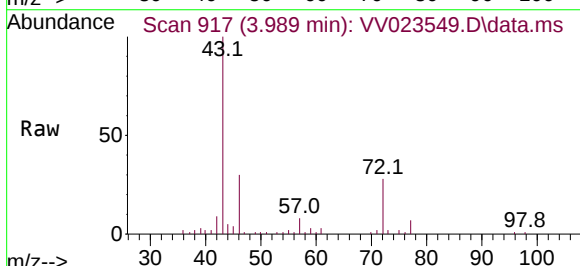
Acq: 16 Nov 2021 21:12

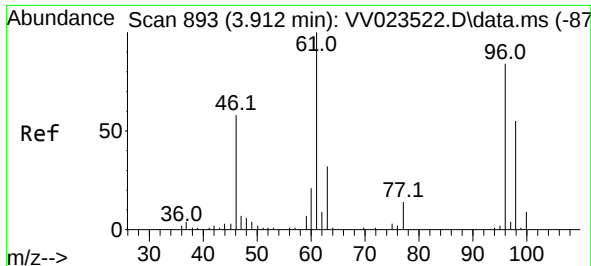
Tgt Ion: 43 Resp: 67454

Ion Ratio Lower Upper

43 100

72 27.3 11.9 35.9





#22

cis-1,2-Dichloroethene

Concen: 4.820 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

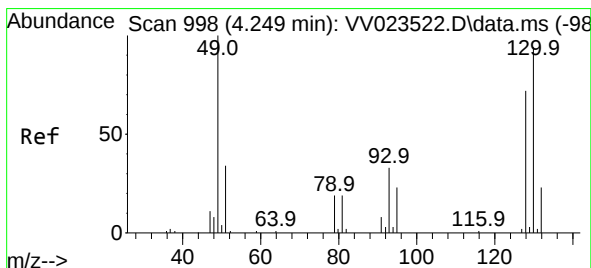
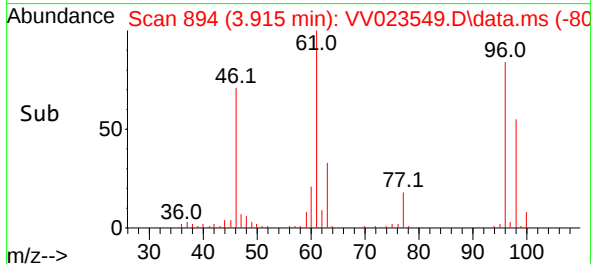
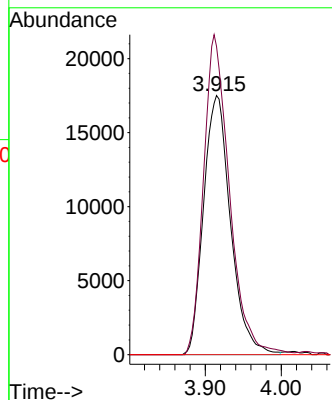
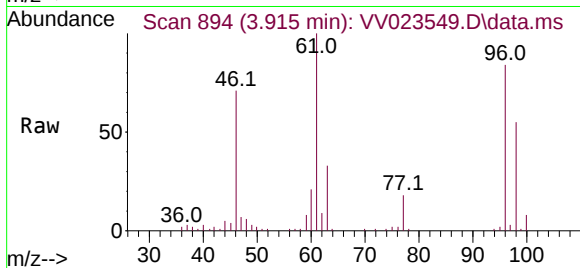
Tgt Ion: 96 Resp: 43203

Ion Ratio Lower Upper

96 100

61 119.0 92.3 171.3

68 0.0 0.4 0.8#



#23

Bromochloromethane

Concen: 4.825 ug/L

RT: 4.249 min Scan# 998

Delta R.T. 0.000 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Tgt Ion: 128 Resp: 19942

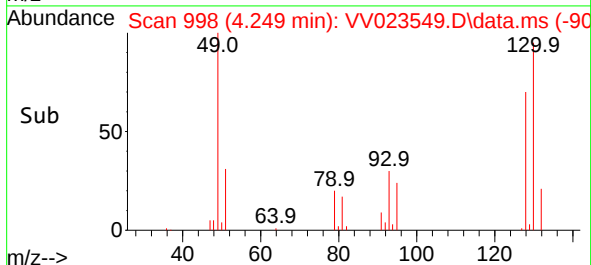
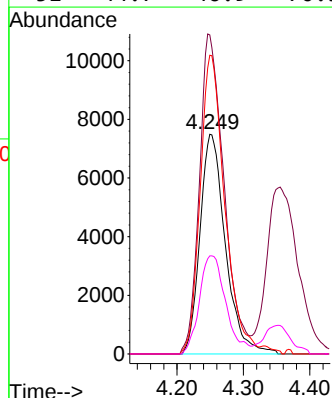
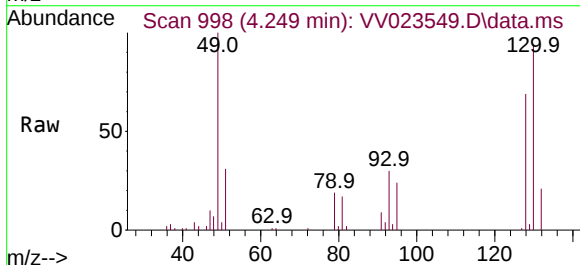
Ion Ratio Lower Upper

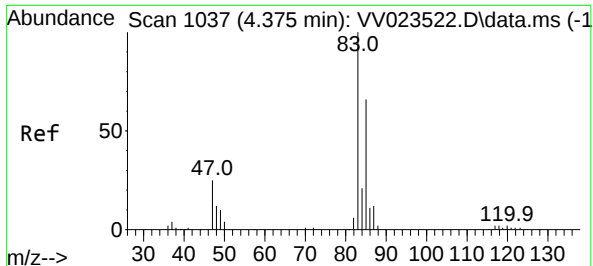
128 100

49 145.2 126.1 234.3

130 136.0 95.2 176.8

51 44.7 46.9 70.3#





#25

Chloroform

Concen: 5.306 ug/L

RT: 4.378 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

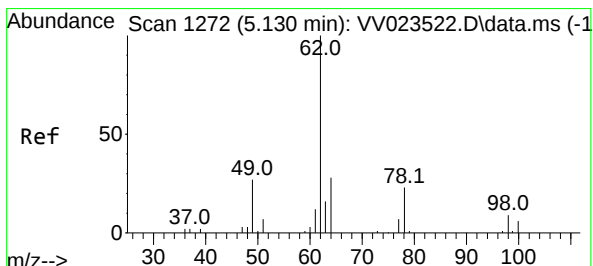
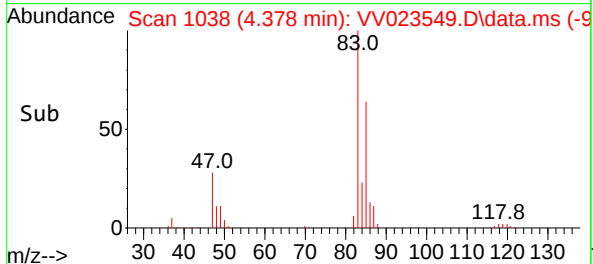
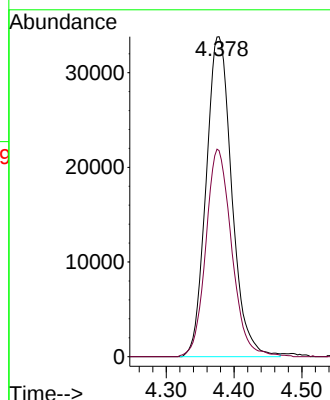
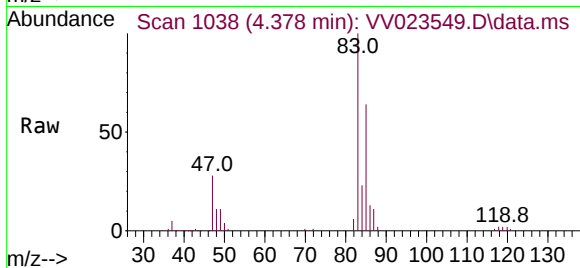
VSTD005358

Tgt Ion: 83 Resp: 88937

Ion Ratio Lower Upper

83 100

85 64.4 46.8 86.8



#27

1,2-Dichloroethane

Concen: 4.901 ug/L

RT: 5.133 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV023549.D

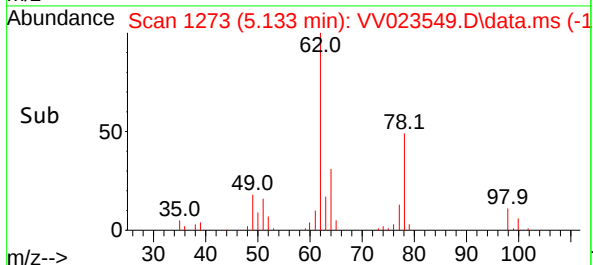
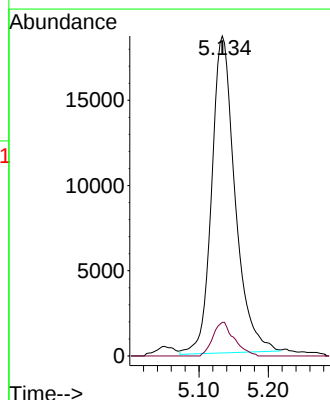
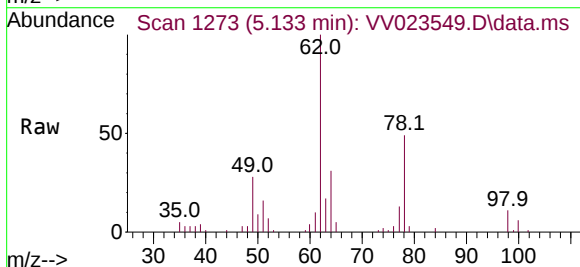
Acq: 16 Nov 2021 21:12

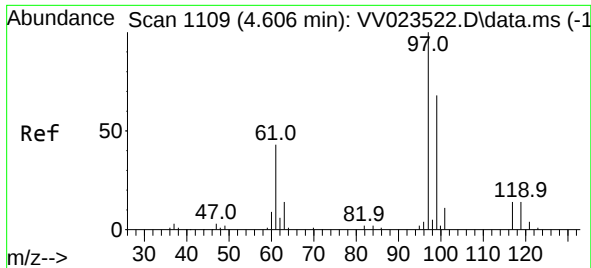
Tgt Ion: 62 Resp: 43690

Ion Ratio Lower Upper

62 100

98 10.5 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.831 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

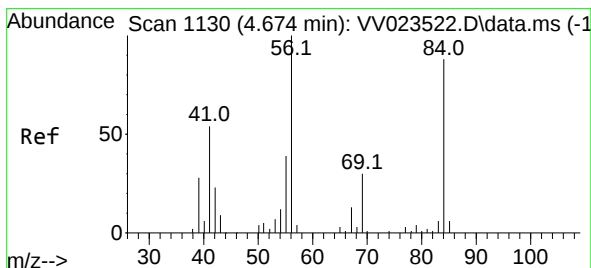
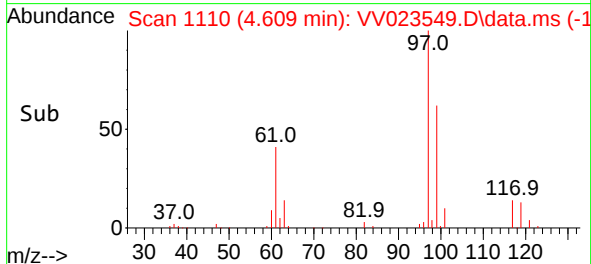
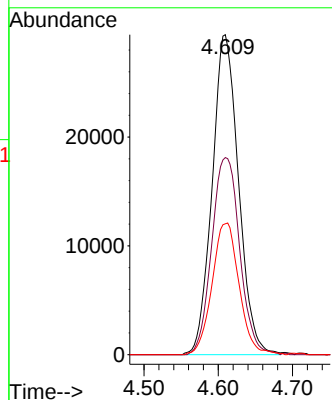
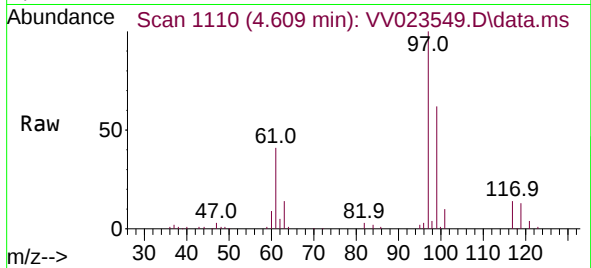
Tgt Ion: 97 Resp: 72765

Ion Ratio Lower Upper

97 100

99 65.2 51.0 76.4

61 42.1 34.1 51.1



#30

Cyclohexane

Concen: 4.441 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

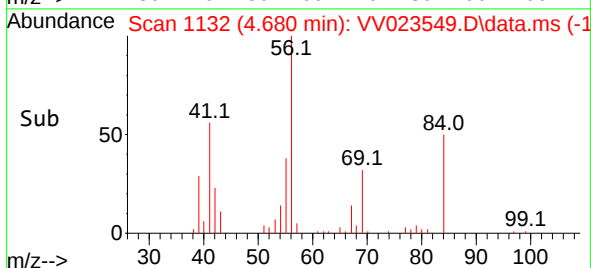
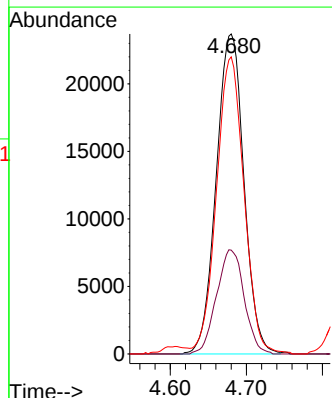
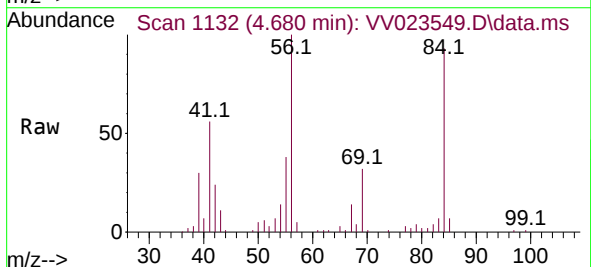
Tgt Ion: 56 Resp: 59932

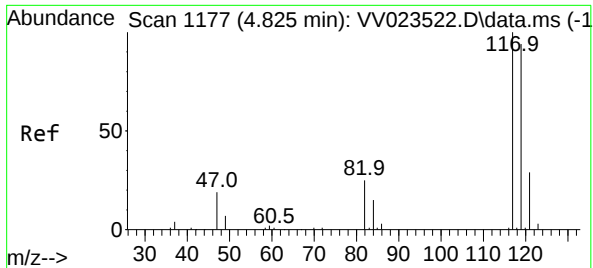
Ion Ratio Lower Upper

56 100

69 32.4 23.5 35.3

84 92.4 71.6 107.4

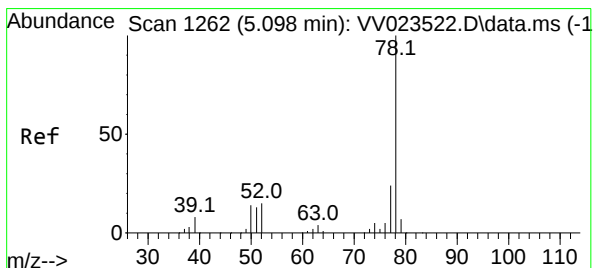
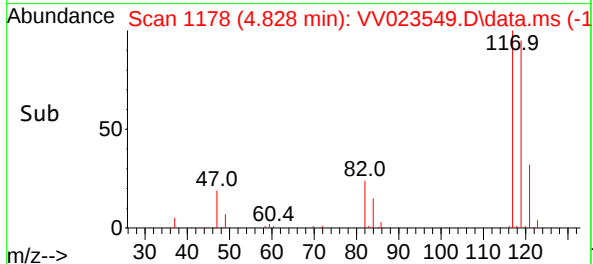
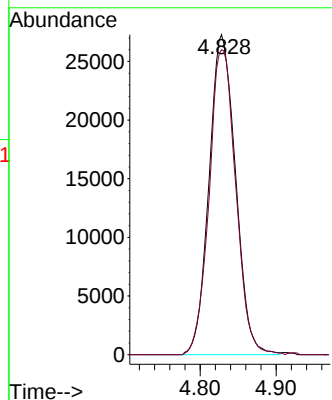
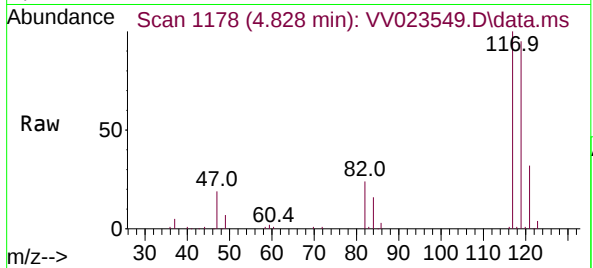




#31
Carbon tetrachloride
Concen: 4.882 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

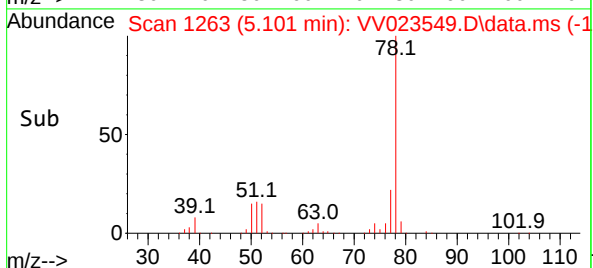
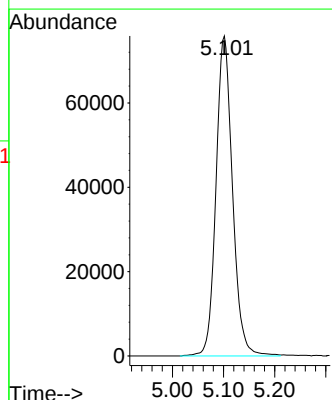
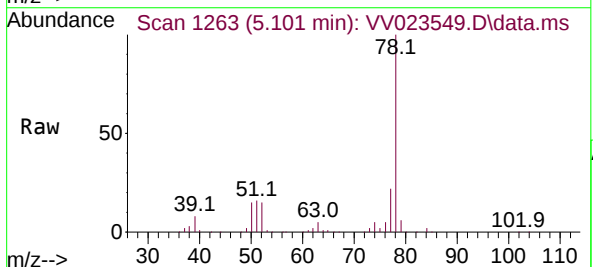
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

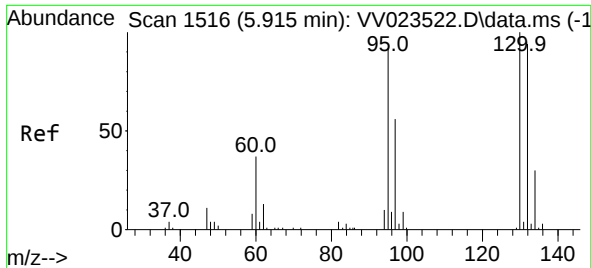
Tgt Ion:117 Resp: 66032
Ion Ratio Lower Upper
117 100
119 95.8 78.8 118.2



#33
Benzene
Concen: 4.913 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt Ion: 78 Resp: 170291



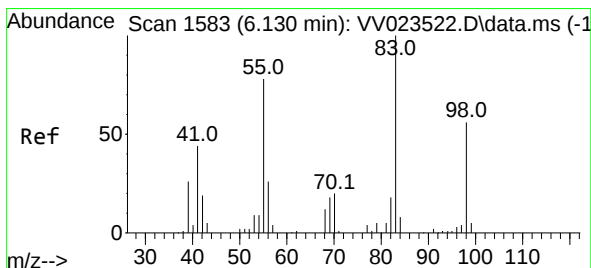
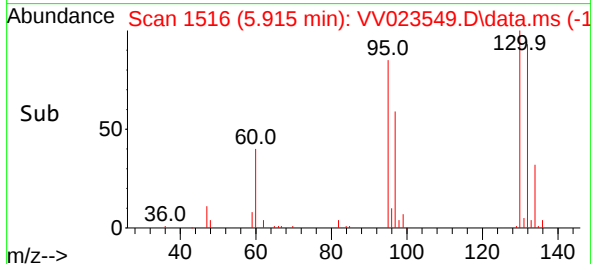
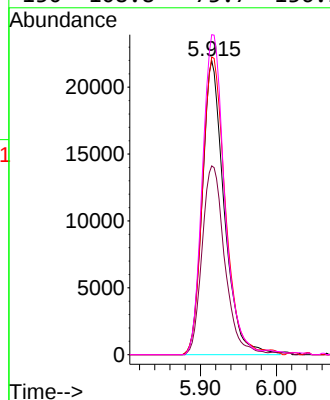
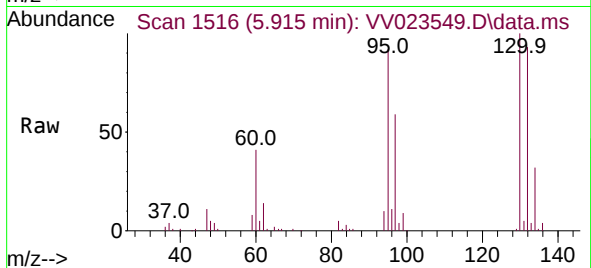


#34
 Trichloroethene
 Concen: 4.767 ug/L
 RT: 5.915 min Scan# 1516
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

Tgt Ion: 95 Resp: 43935

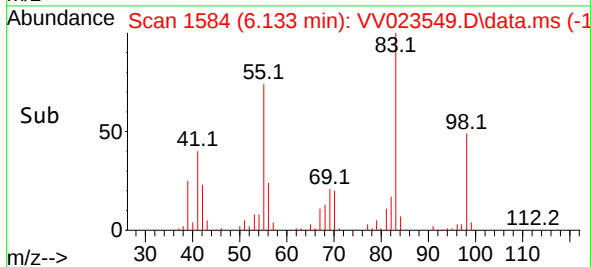
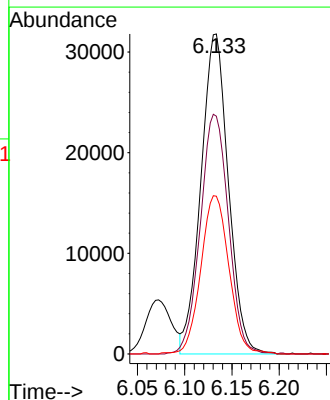
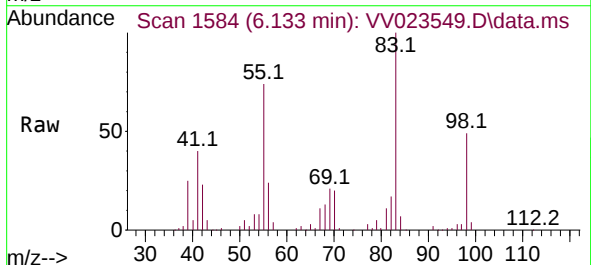
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.0	83.6
132	101.2	69.7	129.4
130	108.8	73.7	136.9

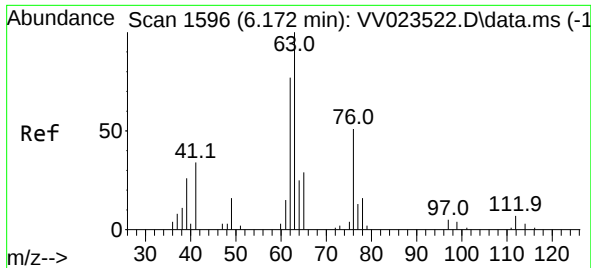


#35
 Methylcyclohexane
 Concen: 4.422 ug/L
 RT: 6.133 min Scan# 1584
 Delta R.T. 0.003 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Tgt Ion: 83 Resp: 64336

Ion	Ratio	Lower	Upper
83	100		
55	76.6	62.8	94.2
98	50.6	37.9	56.9





#37

1,2-Dichloropropane

Concen: 5.005 ug/L

RT: 6.175 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

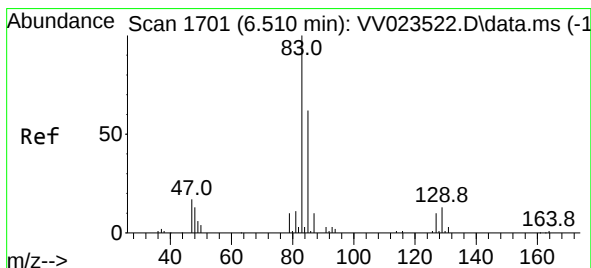
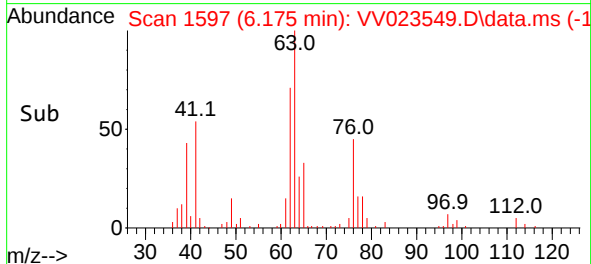
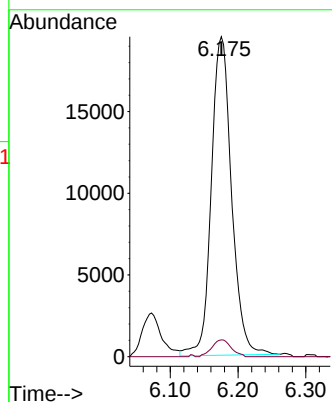
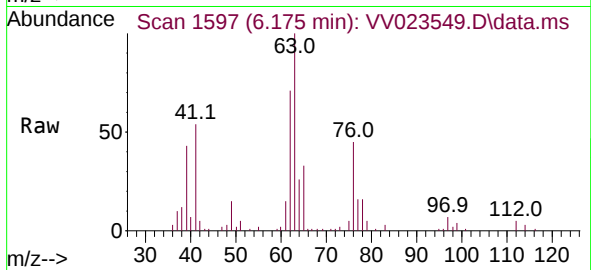
VSTD005358

Tgt Ion: 63 Resp: 40496

Ion Ratio Lower Upper

63 100

112 5.0 4.6 6.8



#38

Bromodichloromethane

Concen: 4.892 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

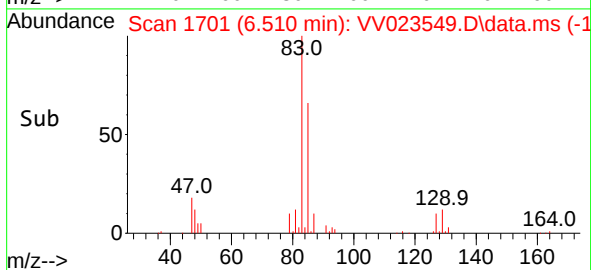
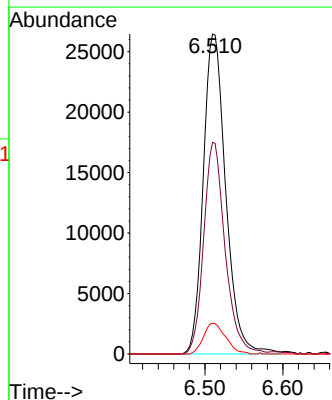
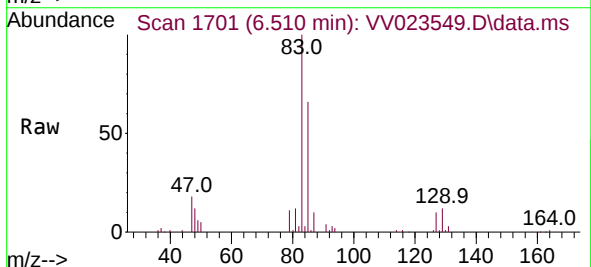
Tgt Ion: 83 Resp: 53052

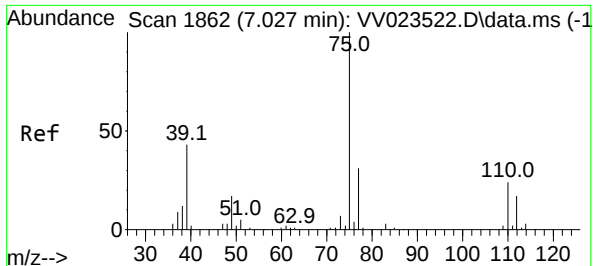
Ion Ratio Lower Upper

83 100

85 66.2 46.1 85.7

127 9.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.646 ug/L

RT: 7.031 min Scan# 1863

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

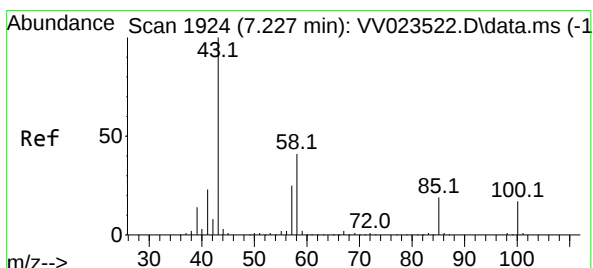
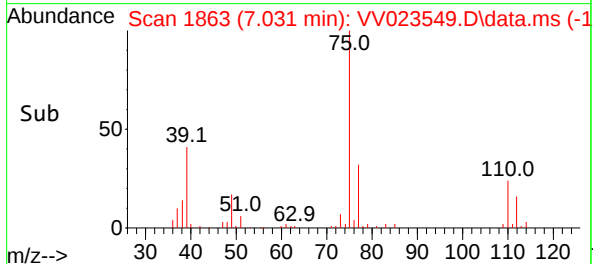
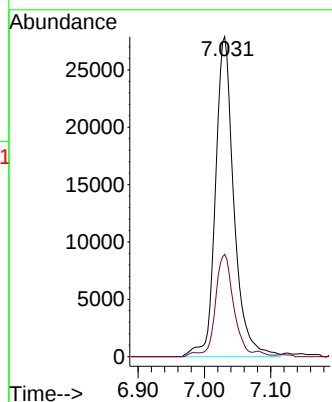
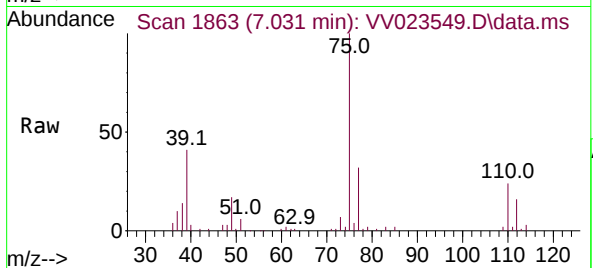
VSTD005358

Tgt Ion: 75 Resp: 54068

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 53.068 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

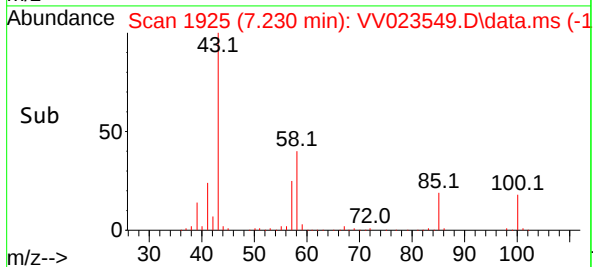
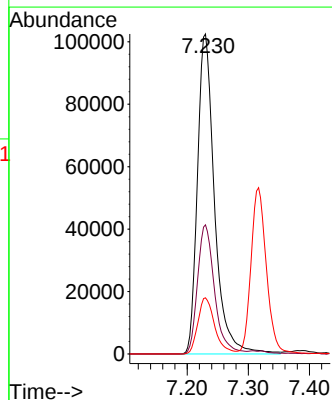
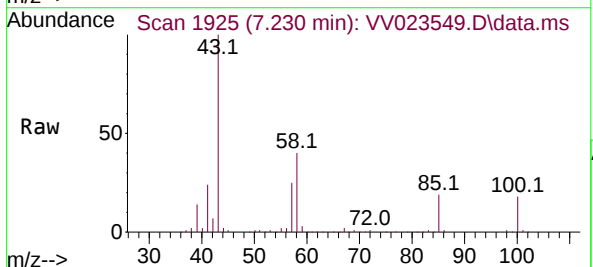
Tgt Ion: 43 Resp: 199155

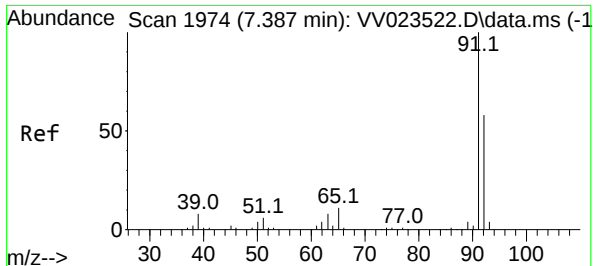
Ion Ratio Lower Upper

43 100

58 40.2 31.1 46.7

100 17.3 12.6 19.0





#42

Toluene

Concen: 5.020 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

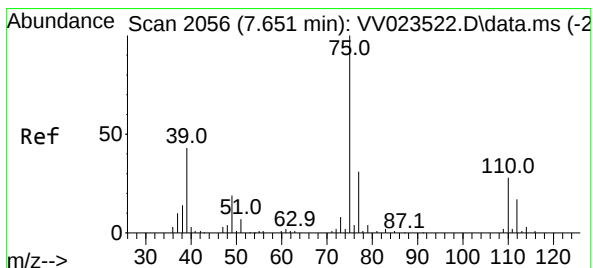
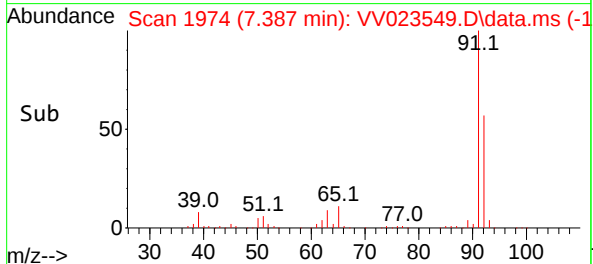
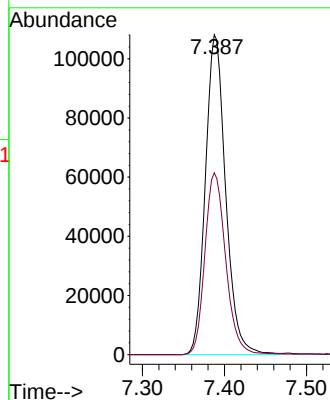
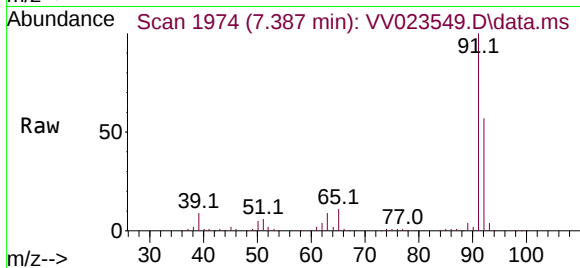
VSTD005358

Tgt Ion: 91 Resp: 186109

Ion Ratio Lower Upper

91 100

92 56.8 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 4.834 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV023549.D

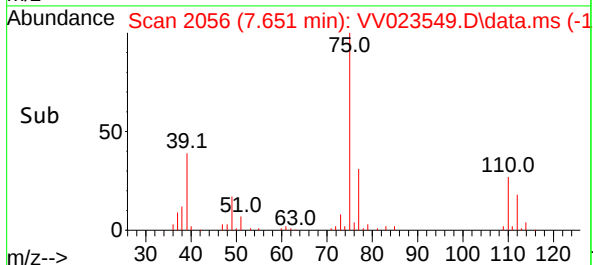
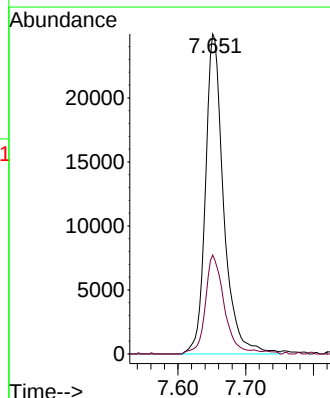
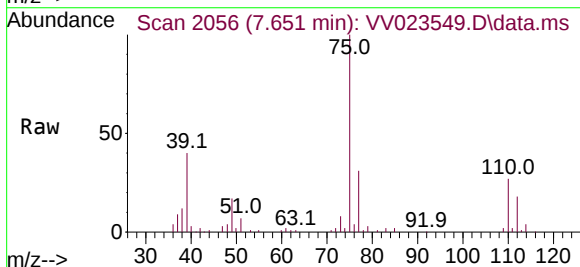
Acq: 16 Nov 2021 21:12

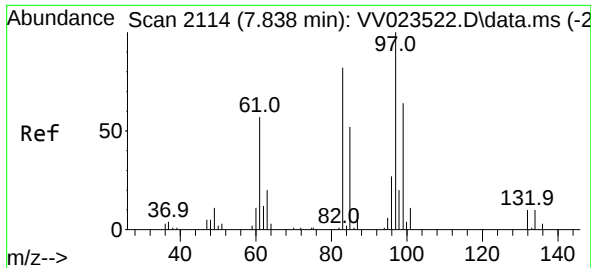
Tgt Ion: 75 Resp: 46681

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7

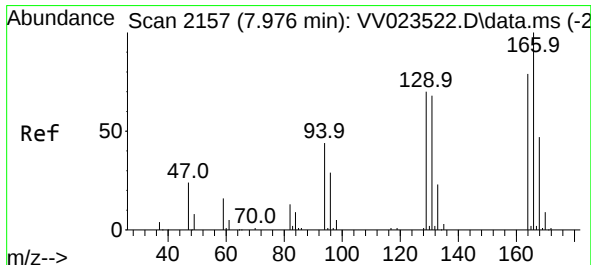
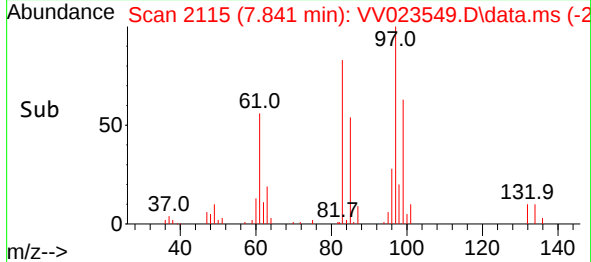
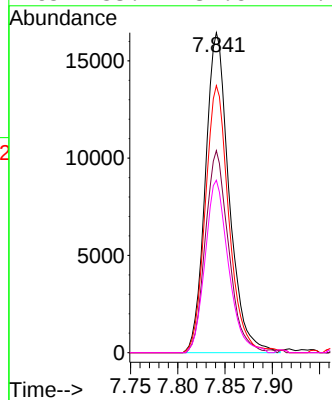
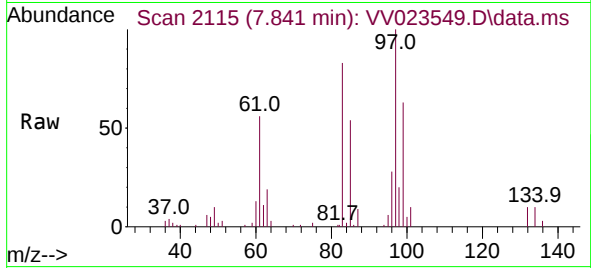




#45
1,1,2-Trichloroethane
Concen: 4.952 ug/L
RT: 7.841 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

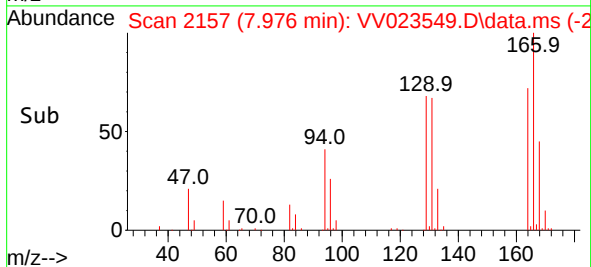
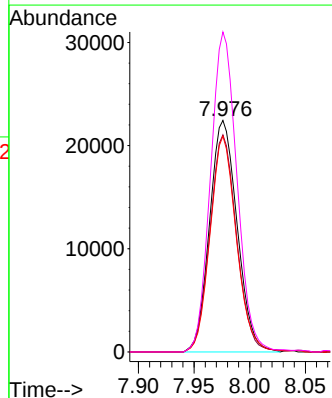
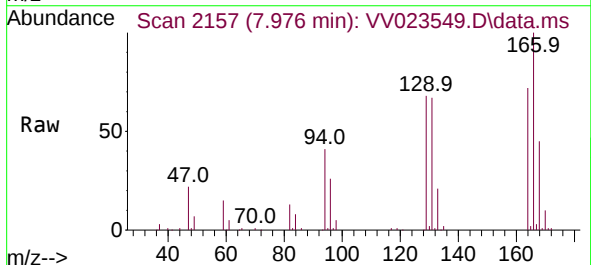
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

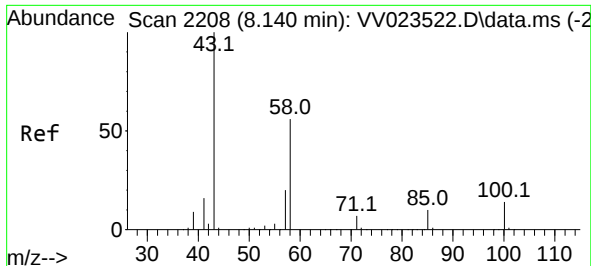
Tgt Ion: 97	Resp: 28788
Ion Ratio	Lower Upper
97 100	
99 63.1	43.6 81.0
83 83.4	58.4 108.4
85 53.9	39.8 74.0



#47
Tetrachloroethene
Concen: 4.836 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt	Ion:164	Resp:	38628
Ion	Ratio	Lower	Upper
164	100		
129	93.8	64.0	119.0
131	93.3	63.4	117.8
166	138.2	89.3	165.9

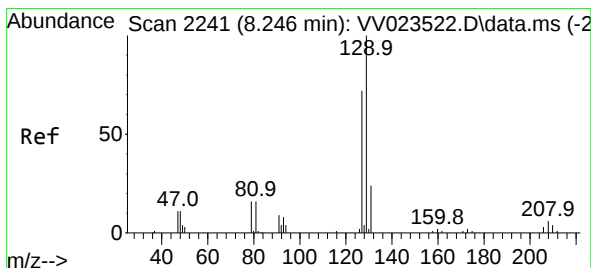
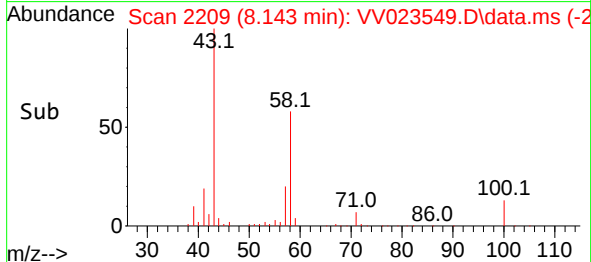
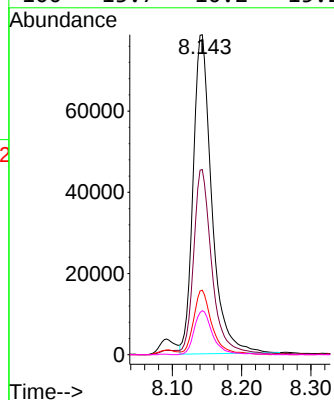
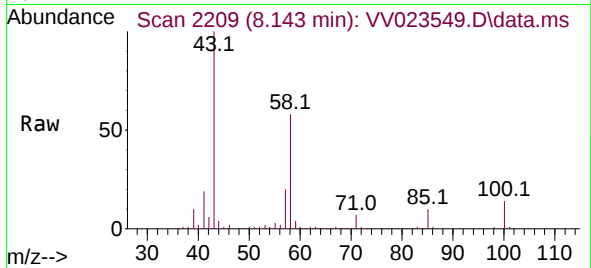




#48
2-Hexanone
Concen: 55.983 ug/L
RT: 8.143 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

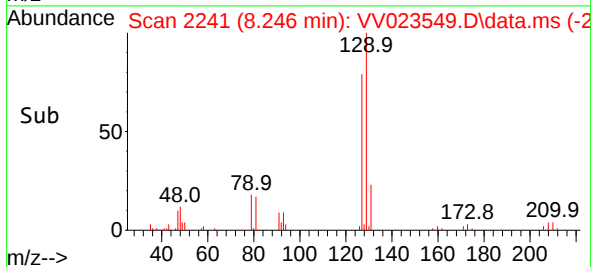
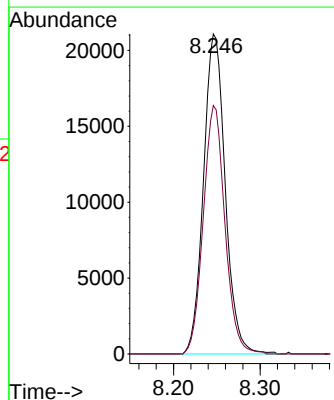
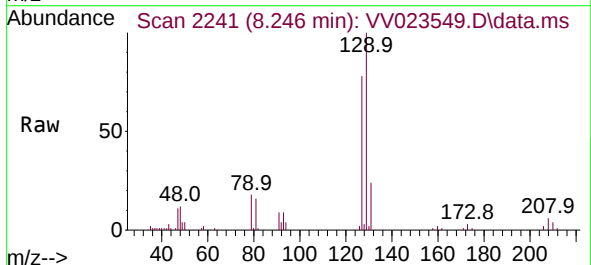
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

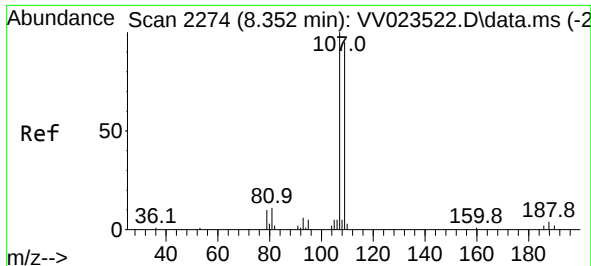
Tgt Ion: 43 Resp: 147215
Ion Ratio Lower Upper
43 100
58 55.4 43.7 65.5
57 19.7 14.1 21.1
100 13.7 10.2 15.2



#49
Dibromochloromethane
Concen: 4.981 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt Ion: 129 Resp: 36691
Ion Ratio Lower Upper
129 100
127 77.6 54.7 101.7





#50

1,2-Dibromoethane

Concen: 4.864 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

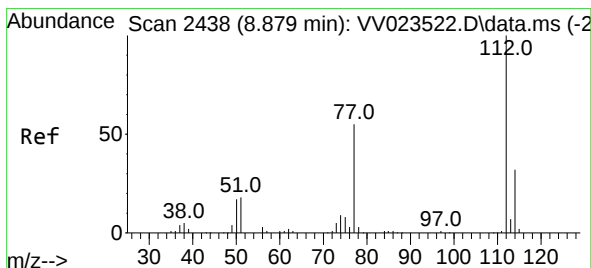
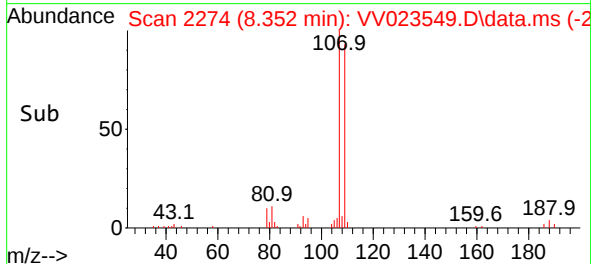
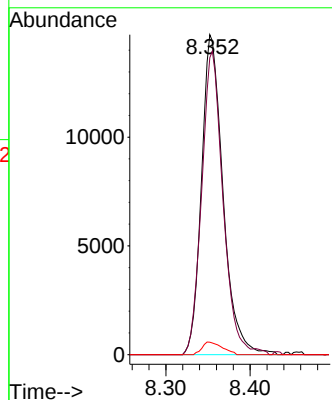
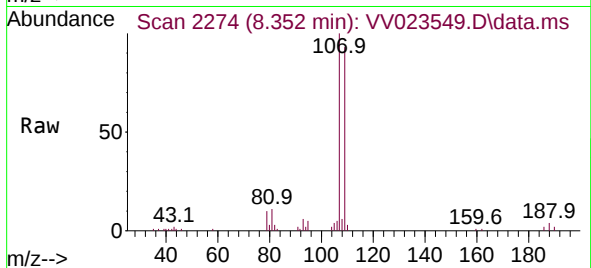
Tgt Ion:107 Resp: 26209

Ion Ratio Lower Upper

107 100

109 92.8 64.7 120.1

188 3.9 3.6 5.4



#51

Chlorobenzene

Concen: 4.786 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

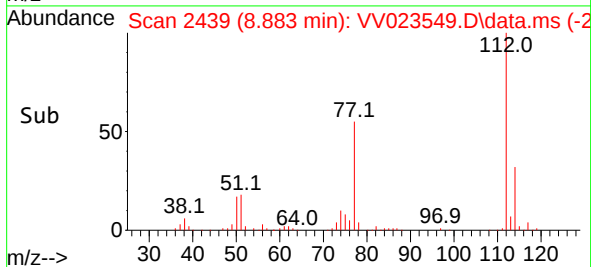
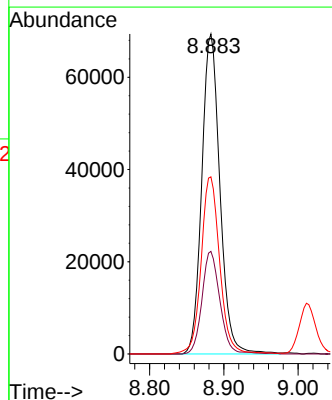
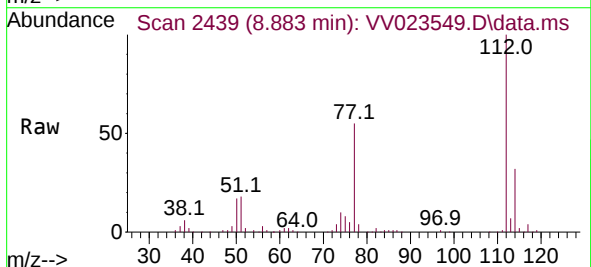
Tgt Ion:112 Resp: 117945

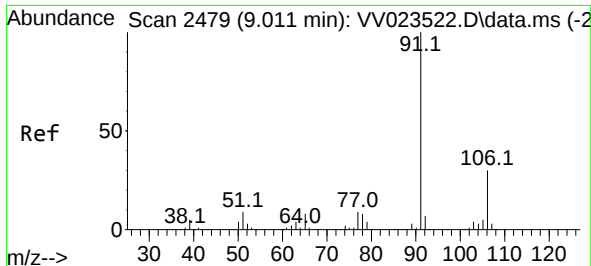
Ion Ratio Lower Upper

112 100

114 32.1 22.0 40.8

77 55.4 44.4 66.6

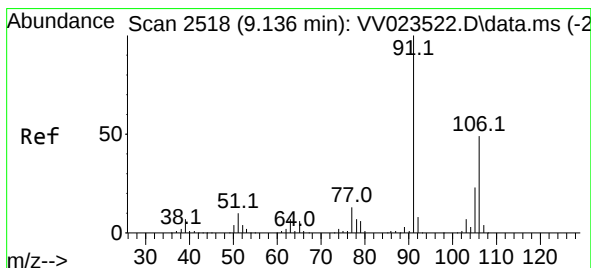
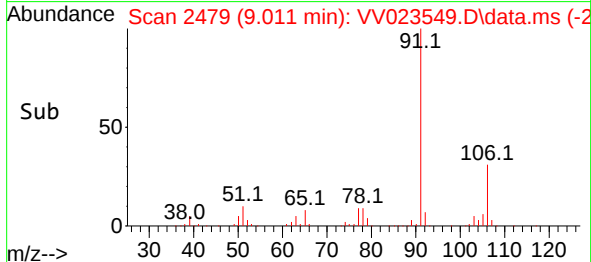
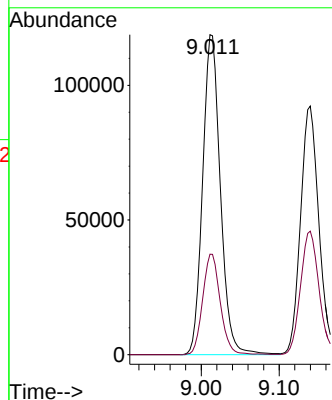
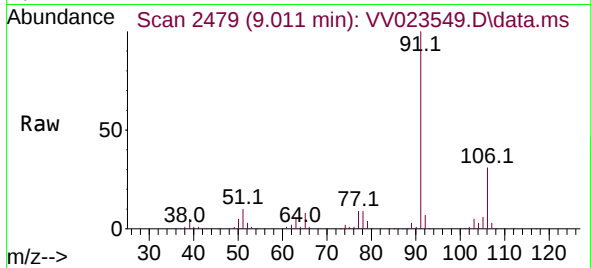




#52
Ethylbenzene
Concen: 4.805 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

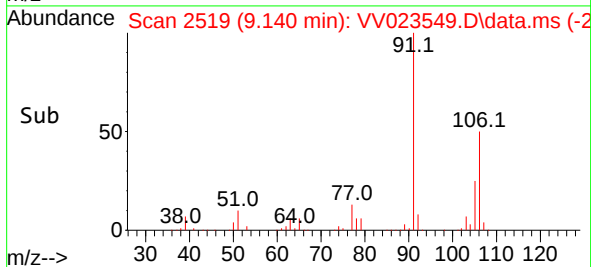
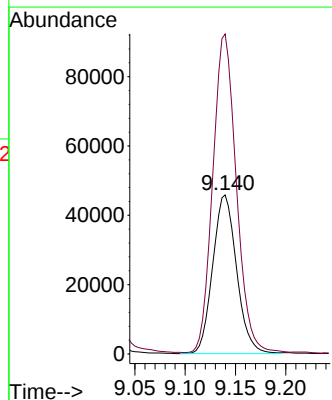
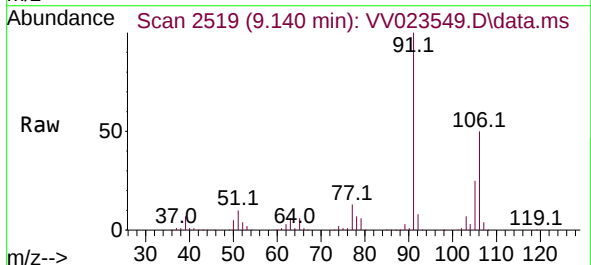
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

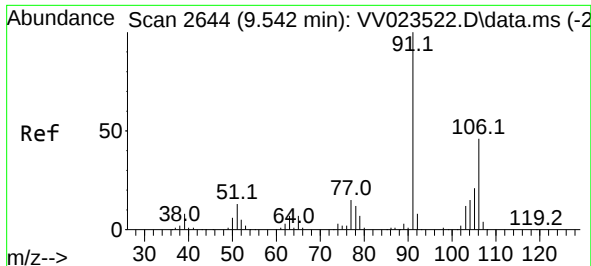
Tgt Ion: 91 Resp: 187868
Ion Ratio Lower Upper
91 100
106 31.4 22.5 41.9



#53
m,p-xylene
Concen: 4.926 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt Ion: 106 Resp: 75585
Ion Ratio Lower Upper
106 100
91 201.3 137.2 254.8

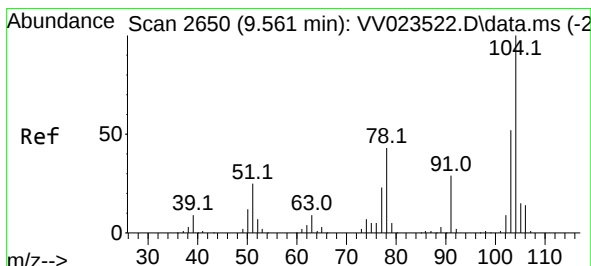
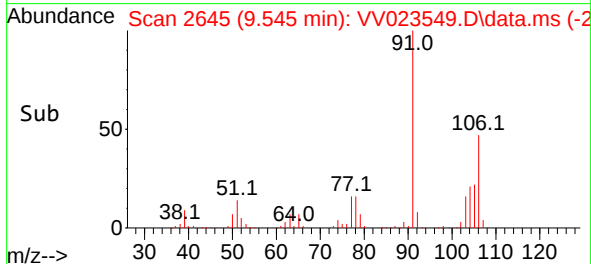
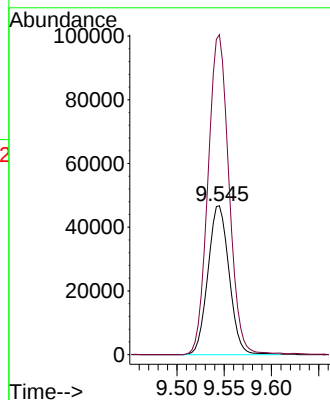
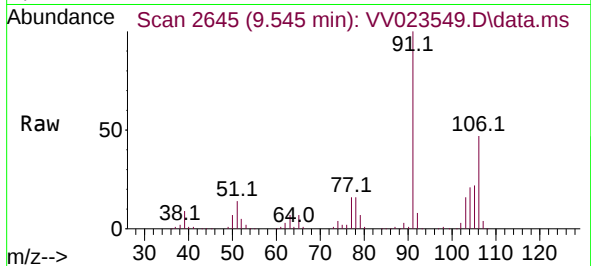




#54
o-xylene
Concen: 5.064 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

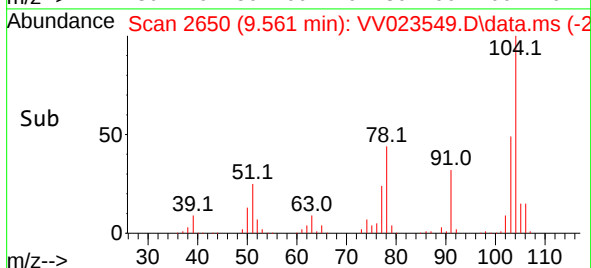
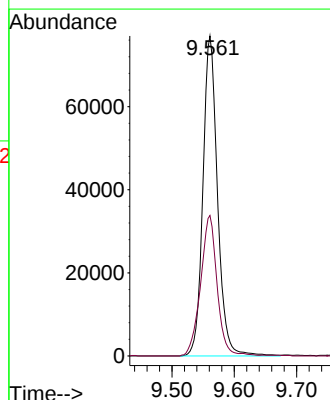
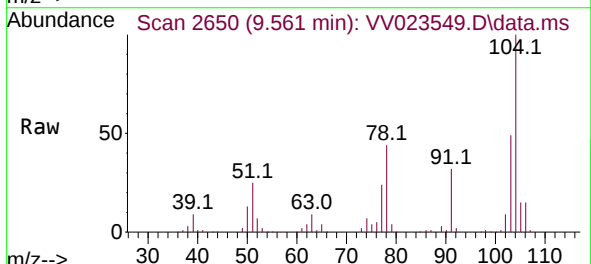
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

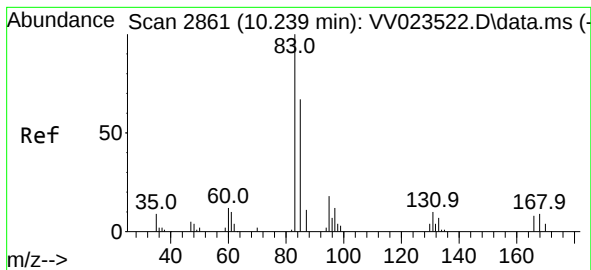
Tgt Ion:106 Resp: 72905
Ion Ratio Lower Upper
106 100
91 214.7 148.3 275.5



#55
Styrene
Concen: 5.090 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt Ion:104 Resp: 125525
Ion Ratio Lower Upper
104 100
78 43.9 29.3 54.3

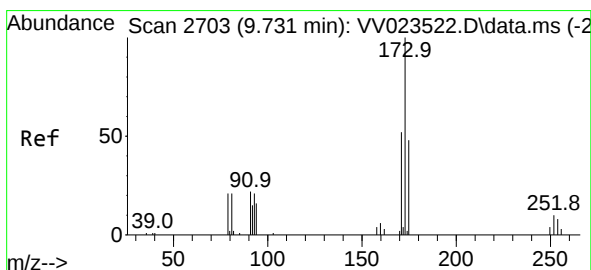
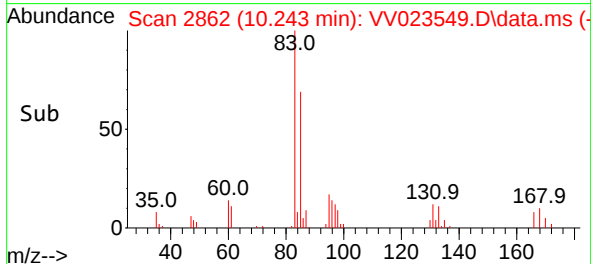
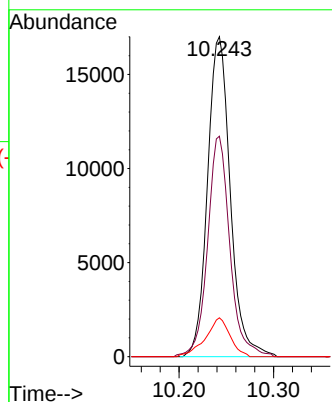
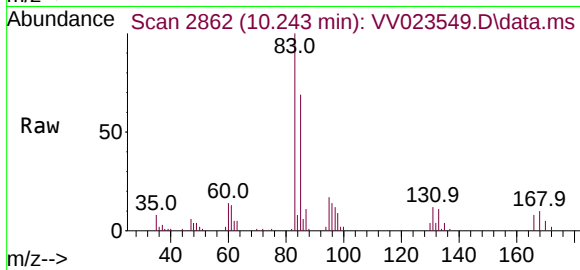




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.471 ug/L
 RT: 10.243 min Scan# 2862
 Delta R.T. 0.003 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

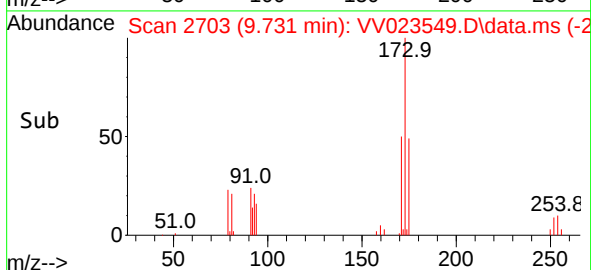
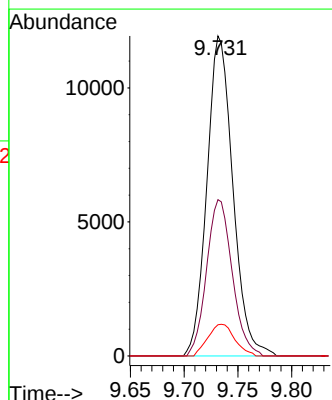
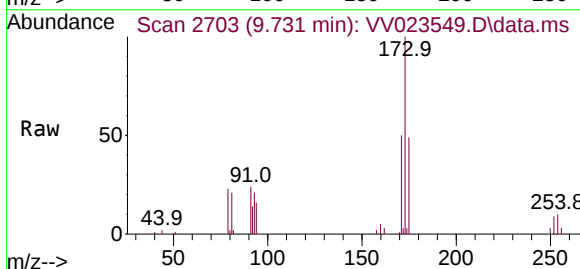
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

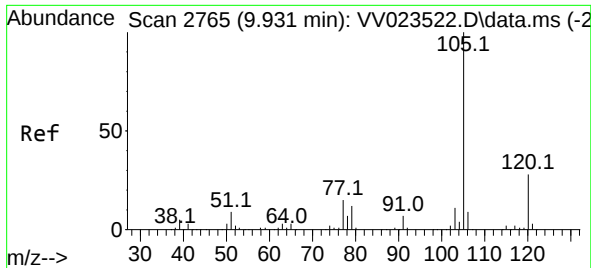
Tgt Ion: 83 Resp: 28478
 Ion Ratio Lower Upper
 83 100
 85 68.9 45.1 83.9
 131 12.1 7.8 11.6#



#59
 Bromoform
 Concen: 4.817 ug/L
 RT: 9.731 min Scan# 2703
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Tgt Ion: 173 Resp: 20088
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.2 57.2
 254 10.2 6.2 9.2#

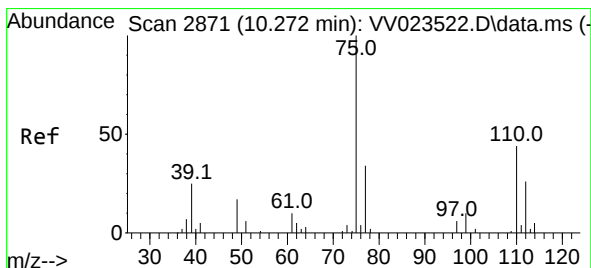
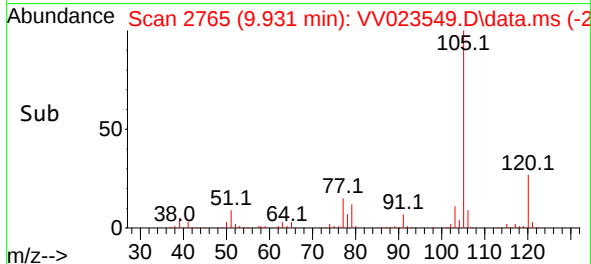
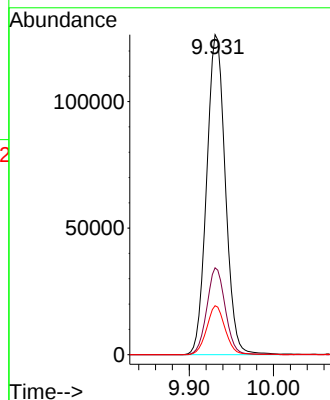
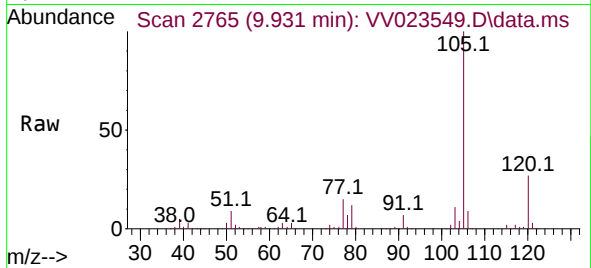




#60
Isopropylbenzene
Concen: 4.869 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

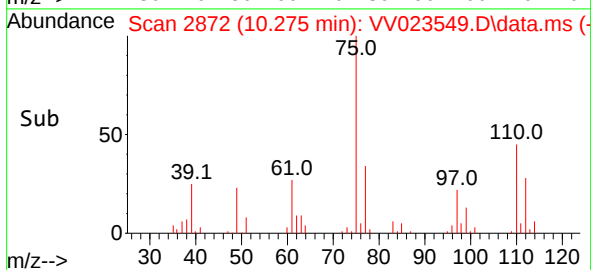
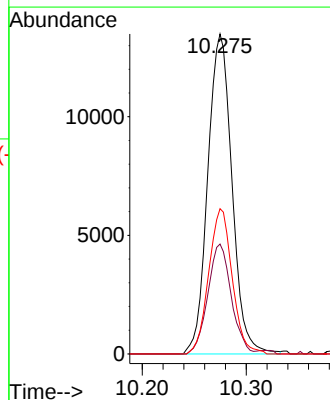
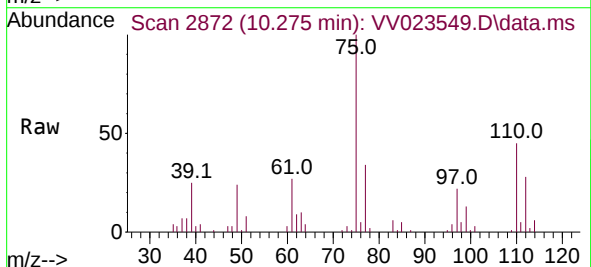
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

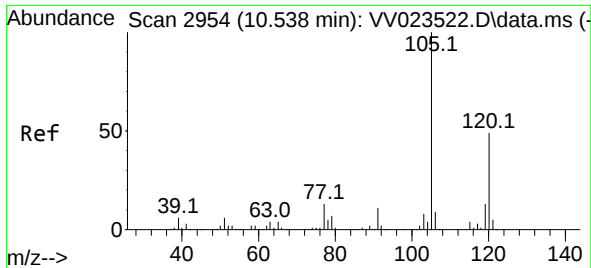
Tgt Ion:105 Resp: 195093
Ion Ratio Lower Upper
105 100
120 26.8 21.7 32.5
77 15.1 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.711 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt Ion: 75 Resp: 21853
Ion Ratio Lower Upper
75 100
77 33.2 26.6 39.8
110 44.0 31.8 47.6

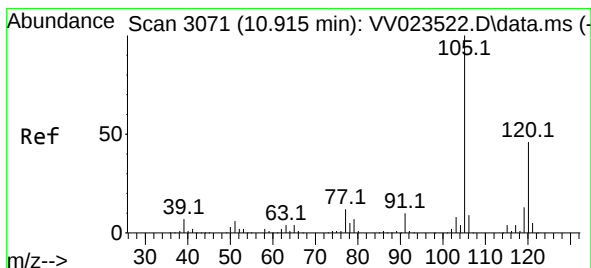
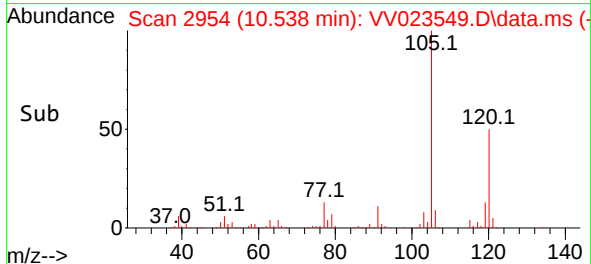
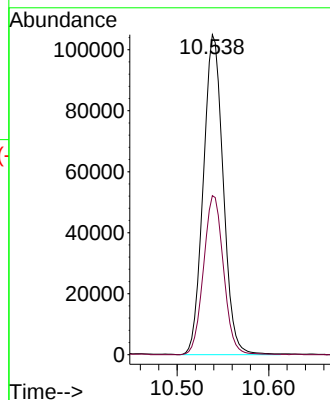
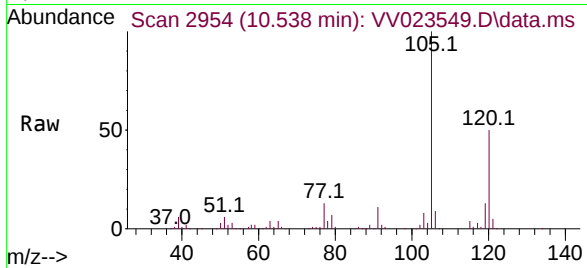




#62
 1,3,5-Trimethylbenzene
 Concen: 4.756 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

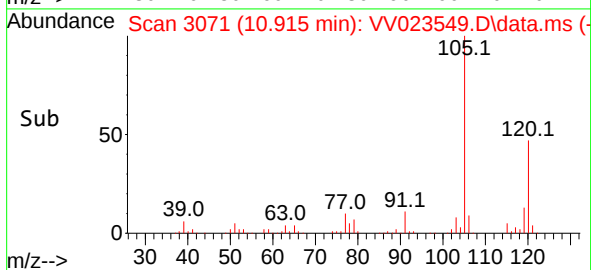
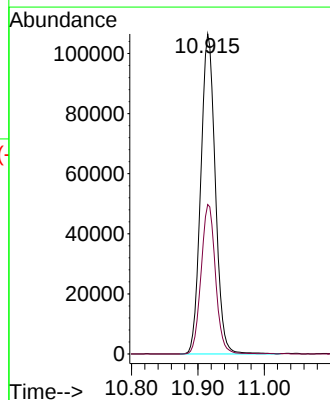
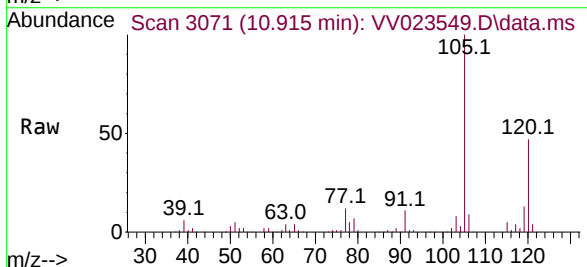
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

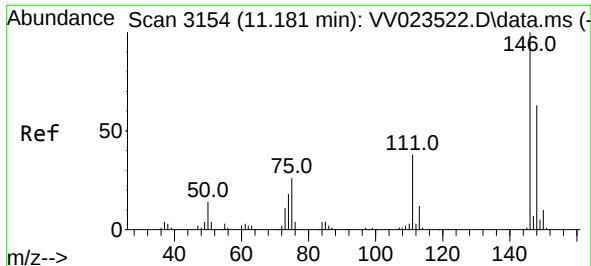
Tgt Ion:105 Resp: 158015
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.7 59.5



#63
 1,2,4-Trimethylbenzene
 Concen: 4.905 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Tgt Ion:105 Resp: 162193
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.4 56.2

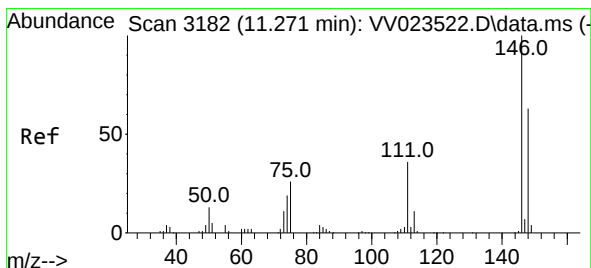
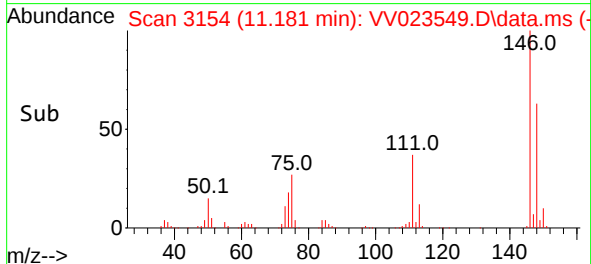
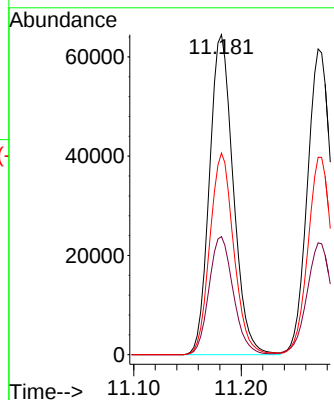
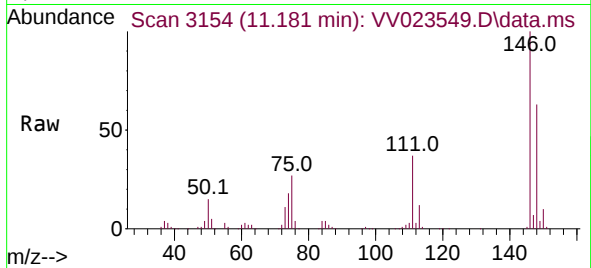




#64
1,3-Dichlorobenzene
Concen: 4.844 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

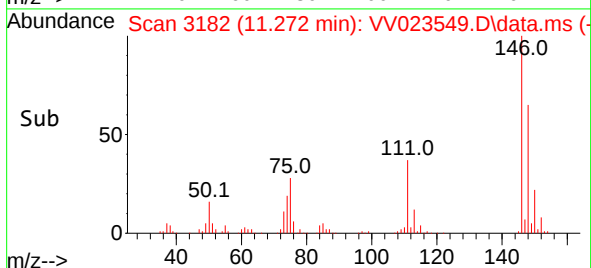
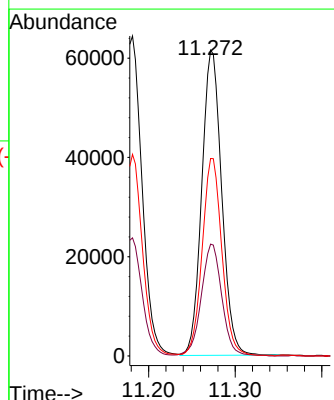
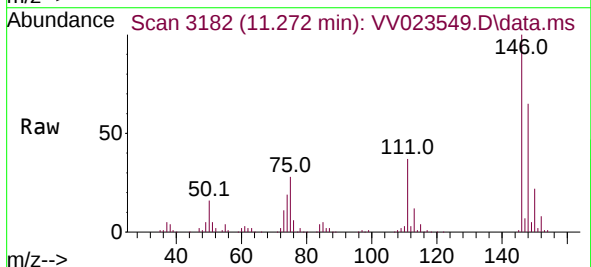
Instrument :
MSVOA_V
ClientSampleId :
VSTD005358

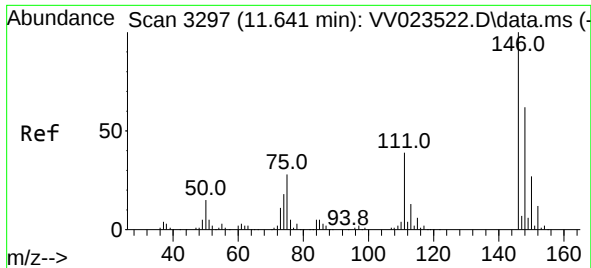
Tgt Ion:146 Resp: 99167
Ion Ratio Lower Upper
146 100
111 36.9 26.7 49.7
148 63.0 42.9 79.7



#65
1,4-Dichlorobenzene
Concen: 4.700 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023549.D
Acq: 16 Nov 2021 21:12

Tgt Ion:146 Resp: 98261
Ion Ratio Lower Upper
146 100
111 36.6 26.2 48.8
148 64.6 44.4 82.5

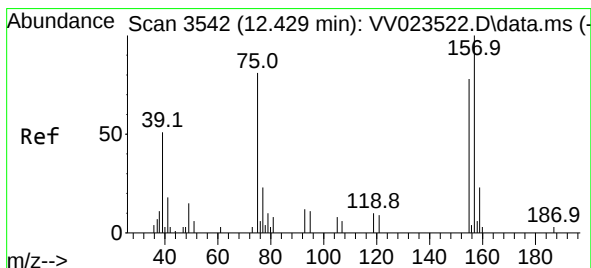
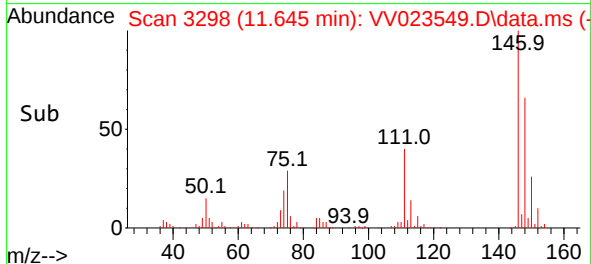
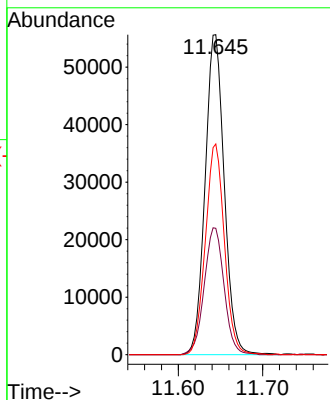
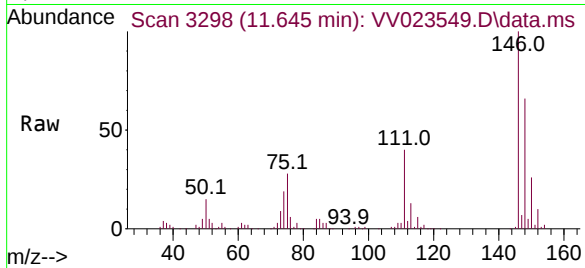




#67
 1,2-Dichlorobenzene
 Concen: 4.809 ug/L
 RT: 11.645 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

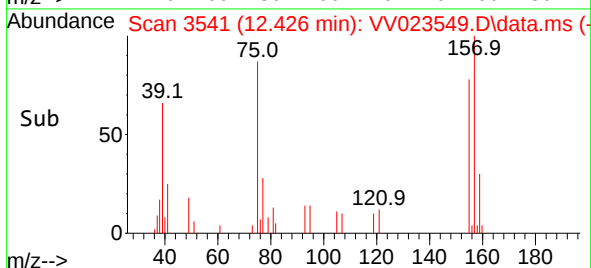
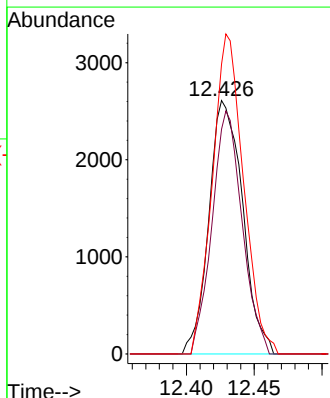
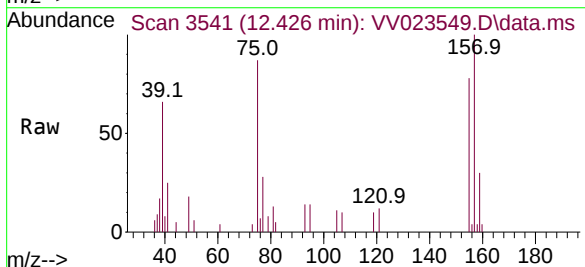
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

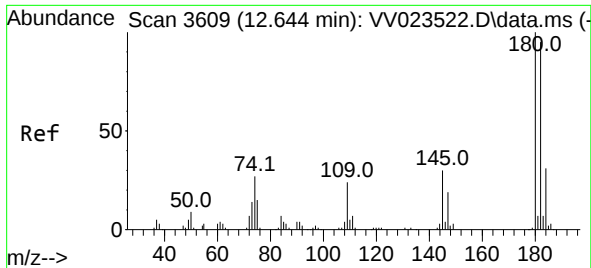
Tgt Ion:146 Resp: 88101
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.6 47.4
 148 65.8 51.0 76.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.555 ug/L
 RT: 12.426 min Scan# 3541
 Delta R.T. -0.003 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Tgt Ion: 75 Resp: 4501
 Ion Ratio Lower Upper
 75 100
 155 88.7 67.7 101.5
 157 114.4 87.9 131.9

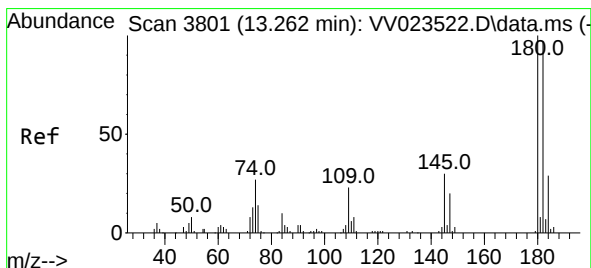
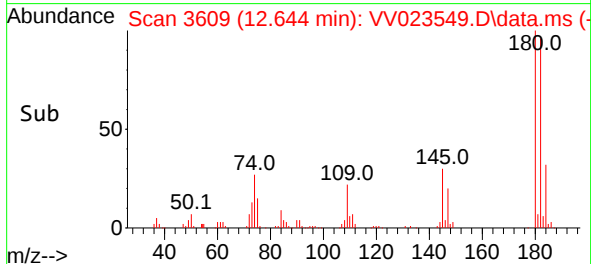
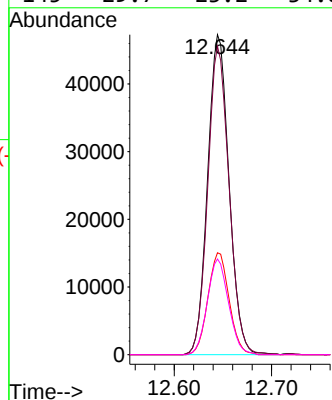
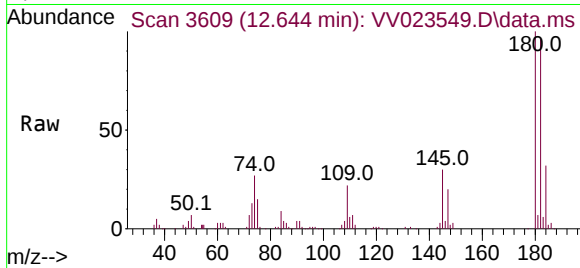




#69
 1,3,5-Trichlorobenzene
 Concen: 4.493 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

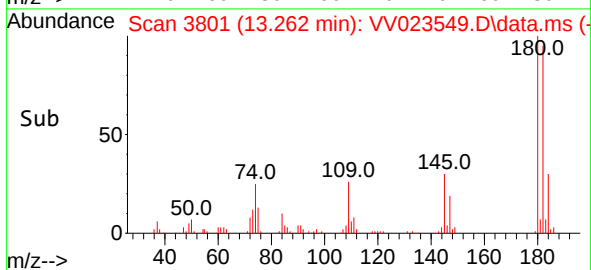
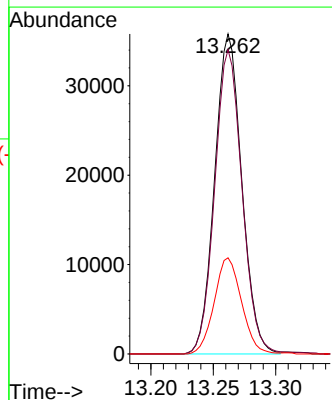
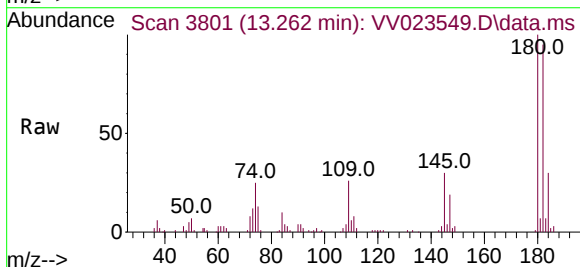
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005358

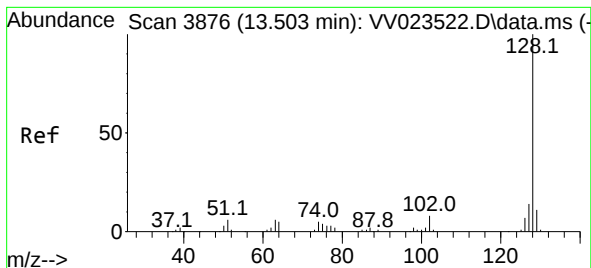
Tgt Ion:180	Resp:	72028
Ion Ratio	Lower	Upper
180	100	
182	96.1	74.9 112.3
184	31.6	23.8 35.8
145	29.7	23.2 34.8



#70
 1,2,4-trichlorobenzene
 Concen: 4.223 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.000 min
 Lab File: VV023549.D
 Acq: 16 Nov 2021 21:12

Tgt Ion:180	Resp:	54214
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.9 115.3
145	30.2	24.4 36.6





#71

Naphthalene

Concen: 3.825 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.000 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD005358

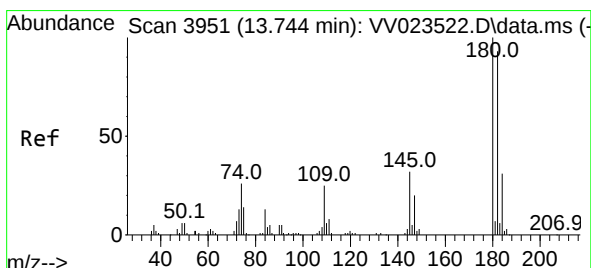
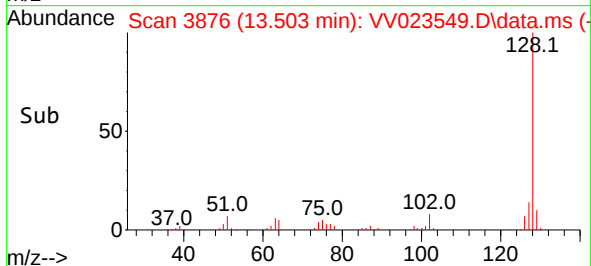
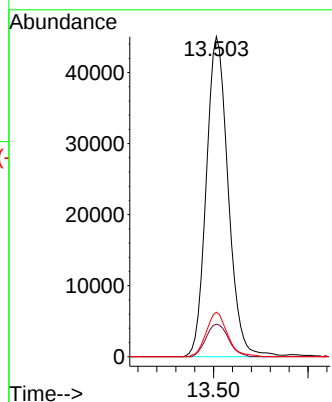
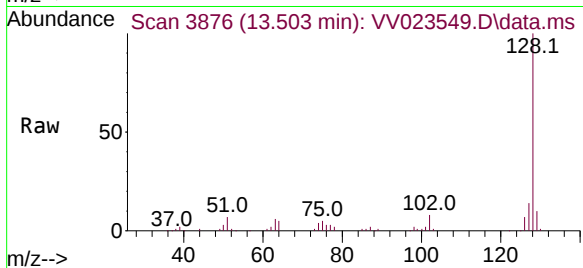
Tgt Ion:128 Resp: 72408

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

127 13.5 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 4.544 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.000 min

Lab File: VV023549.D

Acq: 16 Nov 2021 21:12

Tgt Ion:180 Resp: 51032

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

145 30.4 25.7 38.5

