

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040122\
 Data File : VW025341.D
 Acq On : 01 Apr 2022 15:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005363

Quant Time: Apr 02 00:38:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 02 00:37:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	141134	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	135806	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69455	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	59029	4.478	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.600%
7) Chloroethane-d5	1.568	69	49613	4.484	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.111	63	131868	4.618	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	3.912	46	60112	45.776	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.560%
24) Chloroform-d	4.352	84	81271	4.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.037	65	35150	4.622	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.050	84	157993	4.599	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
36) 1,2-Dichloropropane-d6	6.069	67	44297	4.600	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.317	98	146596	4.652	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
43) trans-1,3-Dichloroprop...	7.625	79	14669	4.670	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.092	63	52601	46.365	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.740%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	31297	4.875	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	47947	4.298	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	70462	4.998	ug/L	100
3) Chloromethane	1.243	50	89699	5.395	ug/L	99
5) Vinyl chloride	1.310	62	97404	5.245	ug/L	97
6) Bromomethane	1.523	94	60597	5.497	ug/L	99
8) Chloroethane	1.587	64	63926	5.485	ug/L	98
9) Trichlorofluoromethane	1.754	101	135515	5.398	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	72669	4.873	ug/L	99
12) 1,1-Dichloroethene	2.121	96	76672	5.396	ug/L	96
13) Acetone	2.204	43	54192	54.081	ug/L	98
14) Carbon disulfide	2.294	76	155158	5.271	ug/L	99
15) Methyl Acetate	2.445	43	10901	4.779	ug/L #	77
16) Methylene chloride	2.510	84	57190	5.126	ug/L	98
17) Methyl tert-butyl Ether	2.773	73	98966	5.505	ug/L	99
18) trans-1,2-Dichloroethene	2.761	96	55028	5.395	ug/L	96
19) 1,1-Dichloroethane	3.191	63	98509	5.786	ug/L	98
21) 2-Butanone	3.992	43	81847	59.360	ug/L	88
22) cis-1,2-Dichloroethene	3.915	96	58206	5.618	ug/L	93
23) Bromochloromethane	4.252	128	24731	5.722	ug/L	91
25) Chloroform	4.378	83	107988	5.717	ug/L	99

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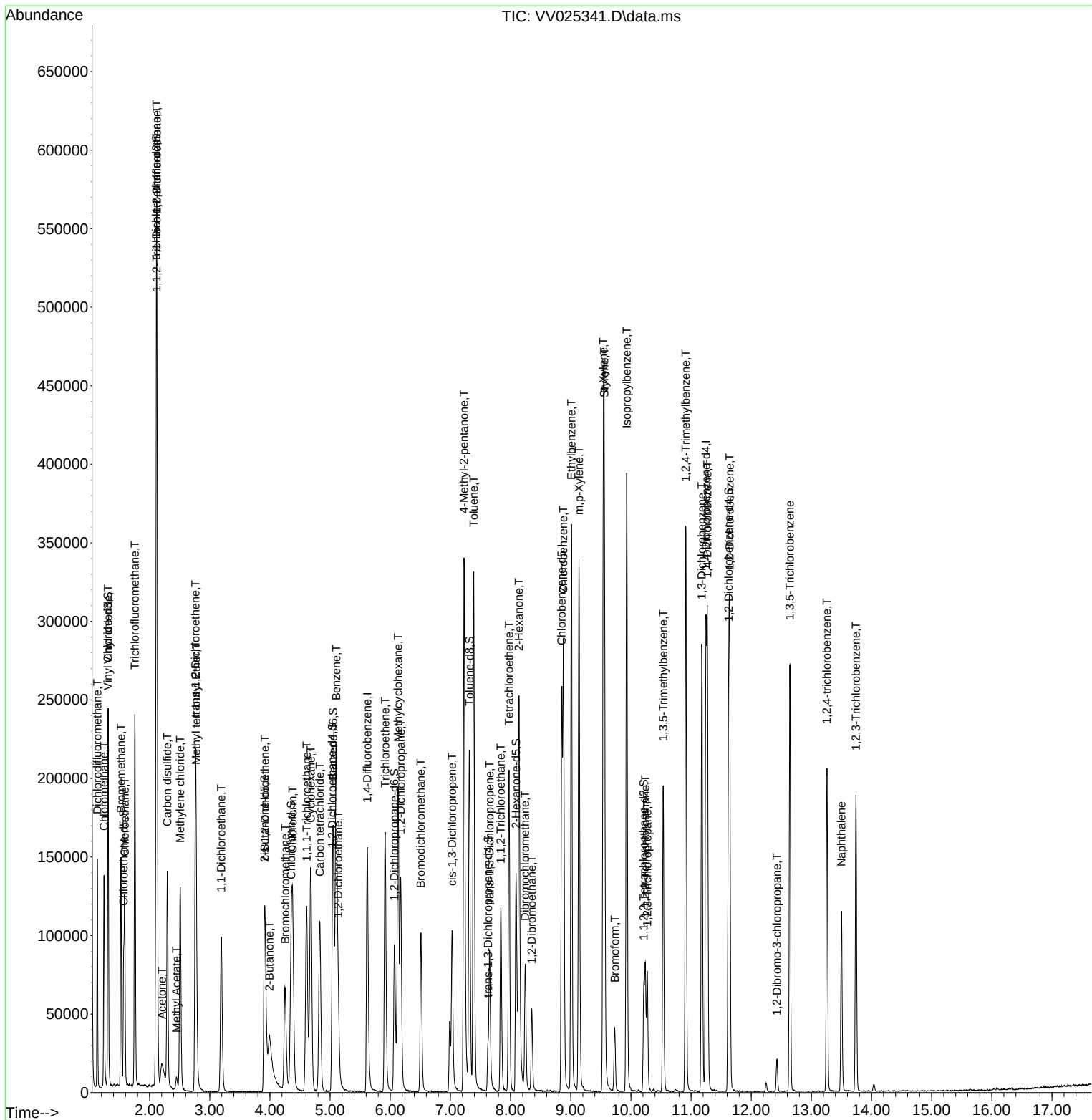
Instrument :
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 VSTD005363

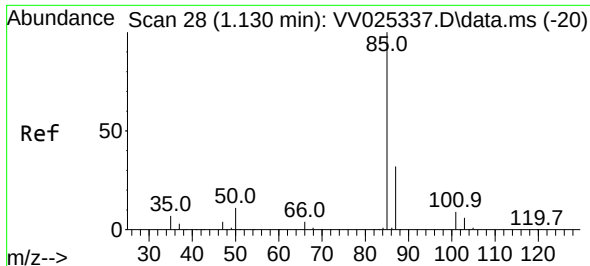
Quant Time: Apr 02 00:38:46 2022
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	55557	5.695	ug/L	98
29) 1,1,1-Trichloroethane	4.609	97	95945	5.843	ug/L	98
30) Cyclohexane	4.677	56	70332	4.789	ug/L	97
31) Carbon tetrachloride	4.828	117	81750	5.752	ug/L	98
33) Benzene	5.101	78	228211	5.729	ug/L	100
34) Trichloroethene	5.915	95	58703	5.367	ug/L	97
35) Methylcyclohexane	6.130	83	80916	4.721	ug/L	100
37) 1,2-Dichloropropane	6.175	63	53395	5.779	ug/L	97
38) Bromodichloromethane	6.510	83	69269	5.917	ug/L	94
39) cis-1,3-Dichloropropene	7.027	75	65507	5.467	ug/L	97
40) 4-Methyl-2-pentanone	7.227	43	221722	60.097	ug/L	98
42) Toluene	7.387	91	244871	5.758	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	52463	5.570	ug/L	95
45) 1,1,2-Trichloroethane	7.838	97	37157	5.873	ug/L	98
47) Tetrachloroethene	7.976	164	43706	5.419	ug/L	96
48) 2-Hexanone	8.140	43	156213	59.200	ug/L	99
49) Dibromochloromethane	8.243	129	40409	5.935	ug/L	99
50) 1,2-Dibromoethane	8.352	107	34301	5.819	ug/L	96
51) Chlorobenzene	8.879	112	154268	5.617	ug/L	99
52) Ethylbenzene	9.011	91	250166	5.546	ug/L	100
53) m,p-Xylene	9.136	106	98333	5.606	ug/L	98
54) o-Xylene	9.542	106	94998	5.665	ug/L	97
55) Styrene	9.558	104	161812	5.868	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.239	83	37605	5.702	ug/L	99
59) Bromoform	9.731	173	17160	6.044	ug/L #	98
60) Isopropylbenzene	9.931	105	249728	5.421	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	29136	5.544	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	103179	4.995	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	193099	5.240	ug/L	98
64) 1,3-Dichlorobenzene	11.178	146	116794	5.414	ug/L	97
65) 1,4-Dichlorobenzene	11.271	146	113807	5.268	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	102456	5.397	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.426	75	5380	5.718	ug/L	96
69) 1,3,5-Trichlorobenzene	12.644	180	78668	5.055	ug/L	97
70) 1,2,4-trichlorobenzene	13.259	180	59048	5.029	ug/L	96
71) Naphthalene	13.500	128	88103	4.815	ug/L	99
72) 1,2,3-Trichlorobenzene	13.741	180	53218	5.260	ug/L	98

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

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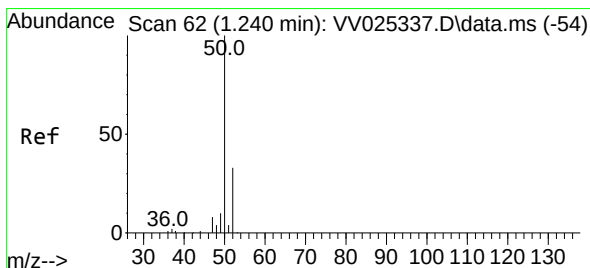
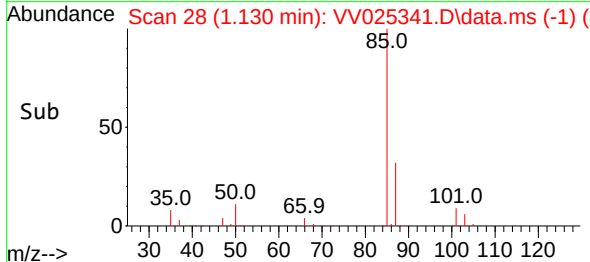
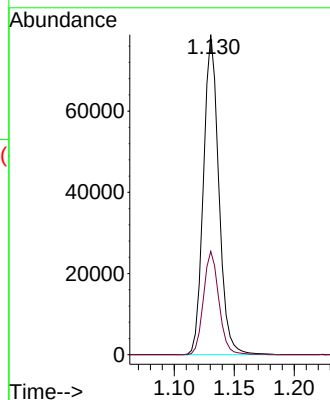
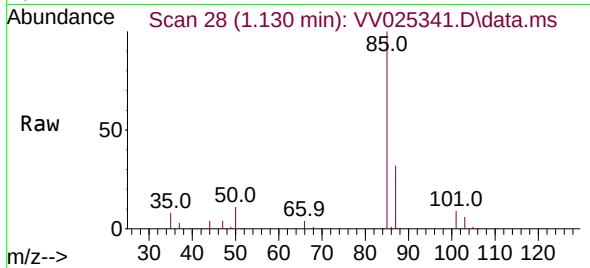




#2
 Dichlorodifluoromethane
 Concen: 4.998 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

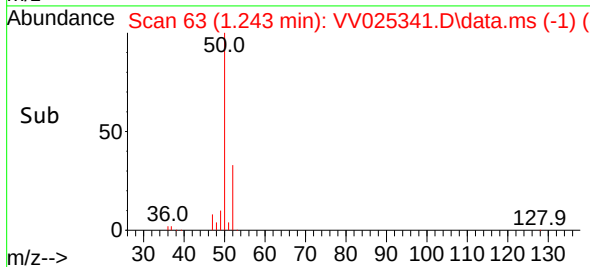
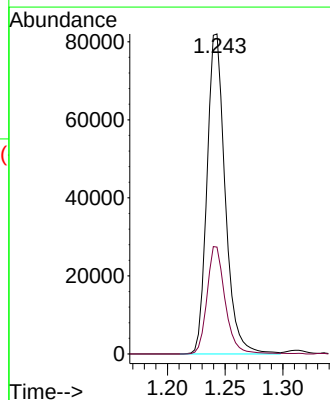
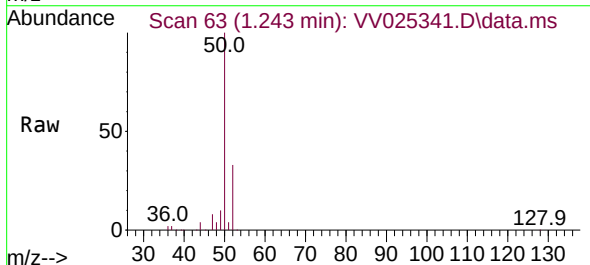
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005363

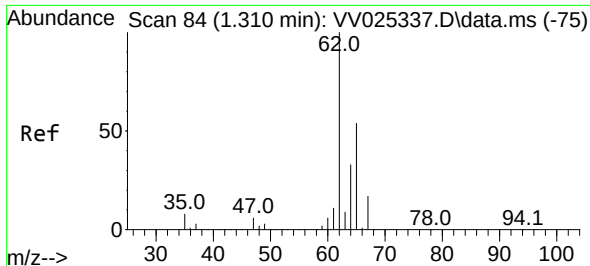
Tgt Ion: 85 Resp: 70462
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.8 38.6



#3
 Chloromethane
 Concen: 5.395 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

Tgt Ion: 50 Resp: 89699
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.9 42.5

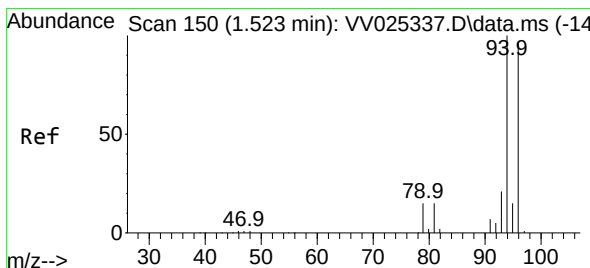
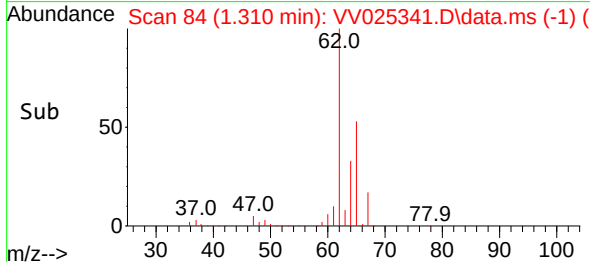
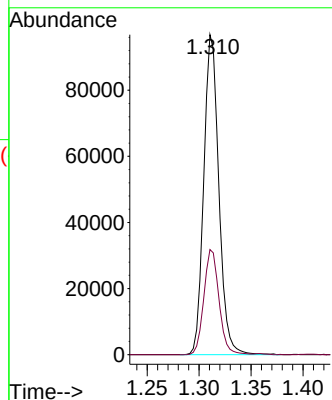
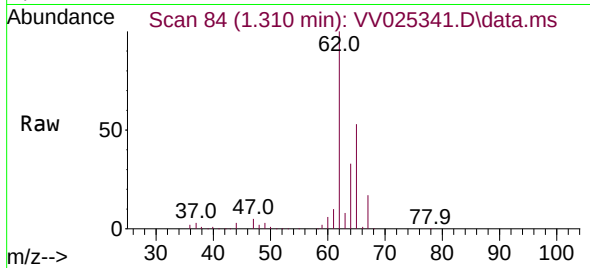




#5
 Vinyl chloride
 Concen: 5.245 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

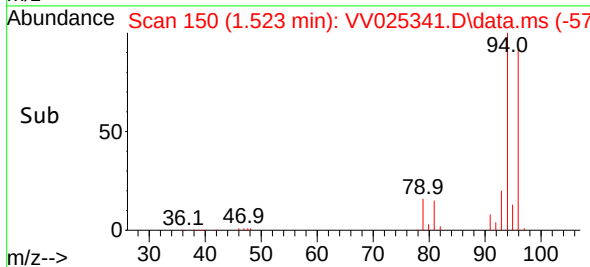
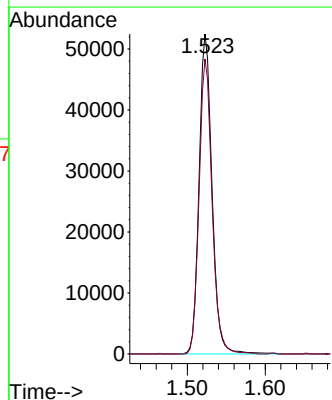
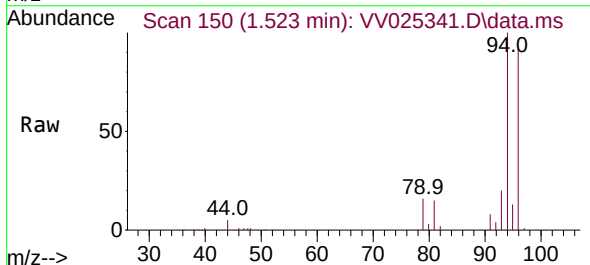
Instrument :
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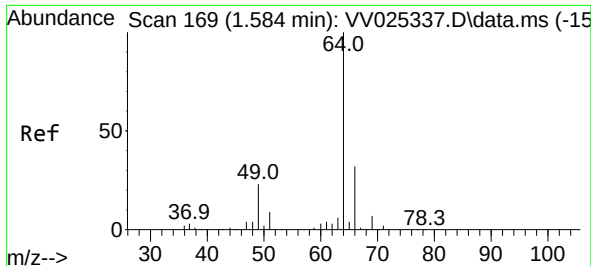
Tgt Ion: 62 Resp: 97404
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.0 40.8



#6
 Bromomethane
 Concen: 5.497 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

Tgt Ion: 94 Resp: 60597
 Ion Ratio Lower Upper
 94 100
 96 92.2 65.5 121.7





#8

Chloroethane

Concen: 5.485 ug/L

RT: 1.587 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

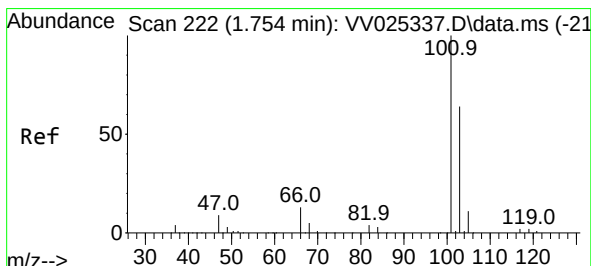
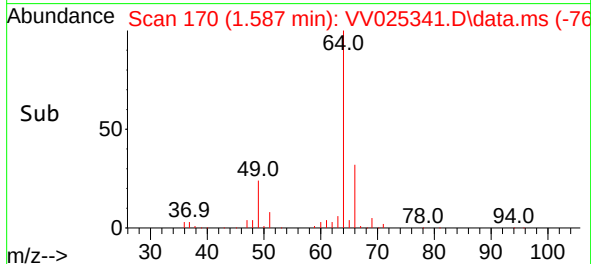
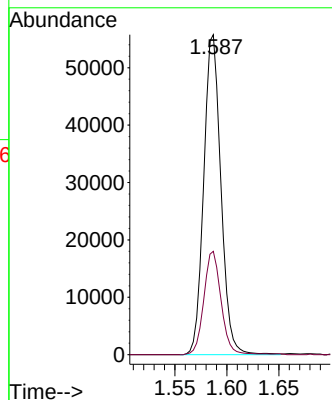
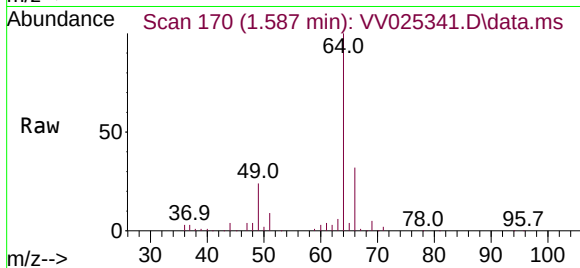
VSTD005363

Tgt Ion: 64 Resp: 63926

Ion Ratio Lower Upper

64 100

66 32.3 23.5 43.7



#9

Trichlorofluoromethane

Concen: 5.398 ug/L

RT: 1.754 min Scan# 222

Delta R.T. 0.000 min

Lab File: VV025341.D

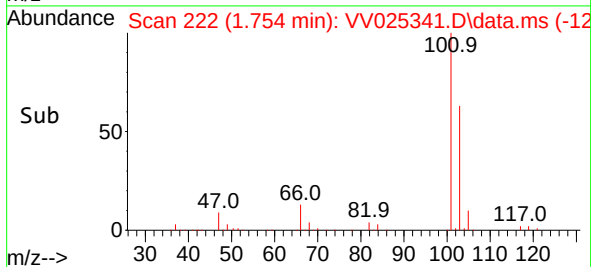
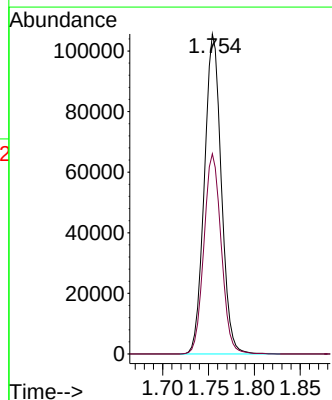
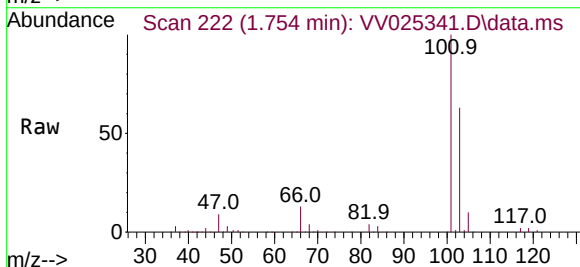
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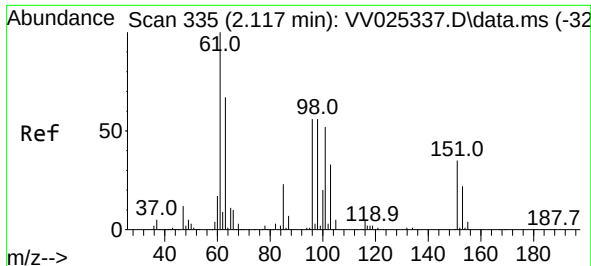
Tgt Ion:101 Resp: 135515

Ion Ratio Lower Upper

101 100

103 63.9 52.2 78.2

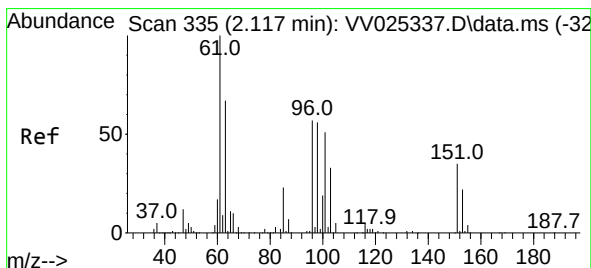
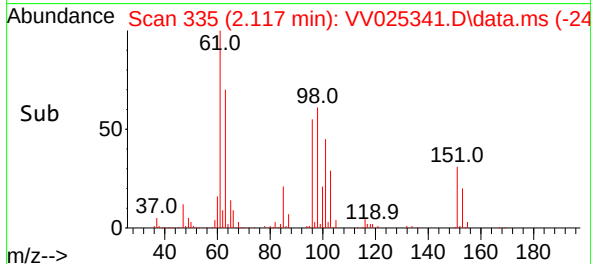
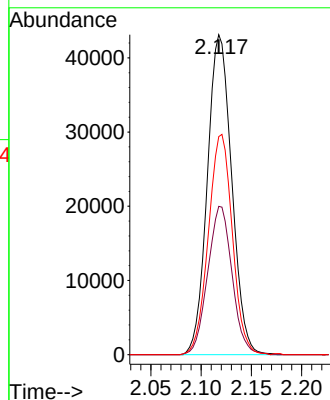
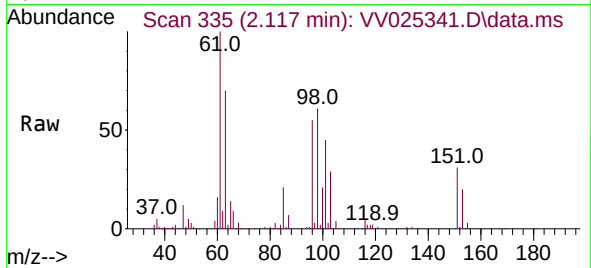




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.873 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

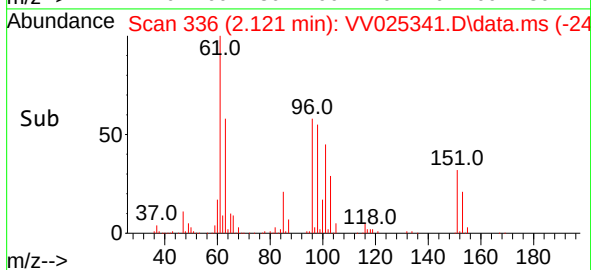
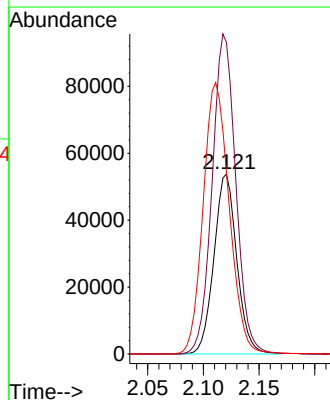
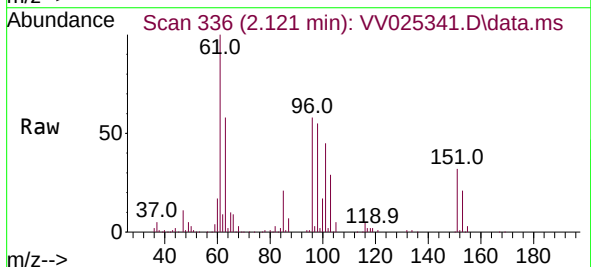
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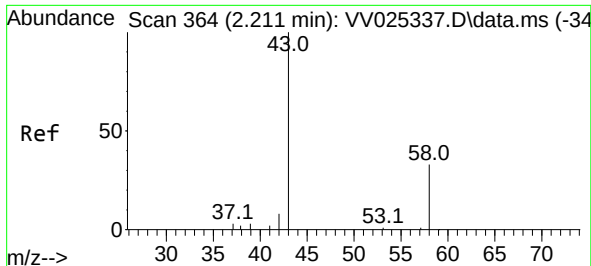
Tgt Ion:101 Resp: 72669
 Ion Ratio Lower Upper
 101 100
 85 46.3 36.0 54.0
 151 67.8 54.6 81.8



#12
 1,1-Dichloroethene
 Concen: 5.396 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

Tgt Ion: 96 Resp: 76672
 Ion Ratio Lower Upper
 96 100
 61 173.0 121.5 225.7
 63 100.9 77.9 144.7





#13

Acetone

Concen: 54.081 ug/L

RT: 2.204 min Scan# 3

Delta R.T. -0.006 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

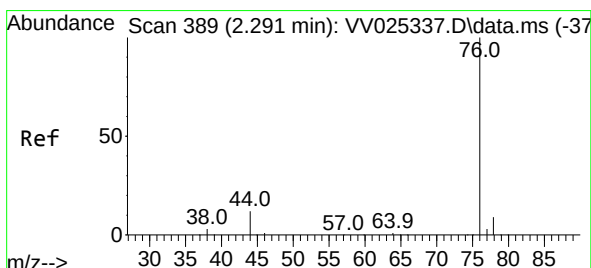
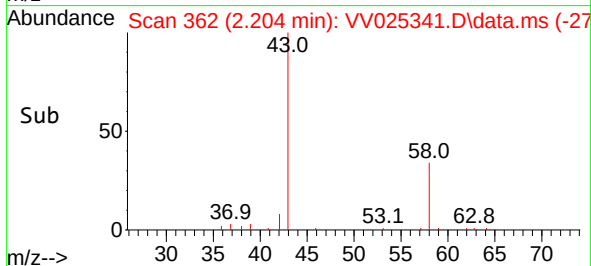
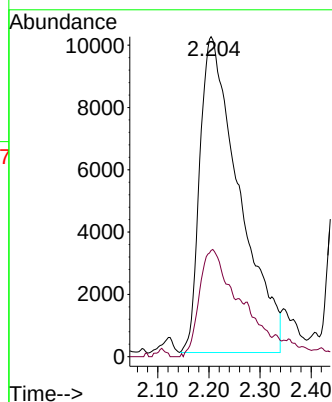
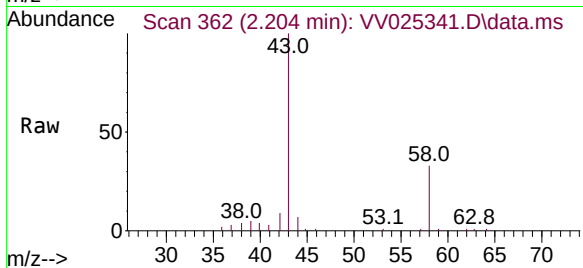
VSTD005363

Tgt Ion: 43 Resp: 54192

Ion Ratio Lower Upper

43 100

58 24.6 0.0 51.2



#14

Carbon disulfide

Concen: 5.271 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV025341.D

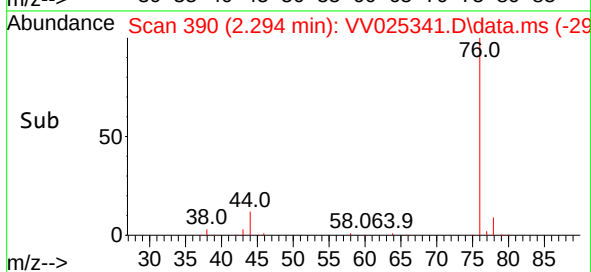
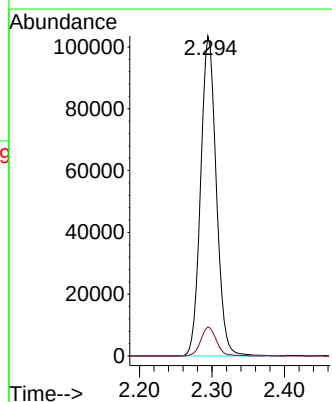
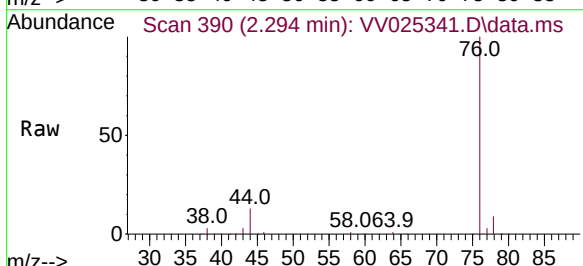
Acq: 01 Apr 2022 15:39

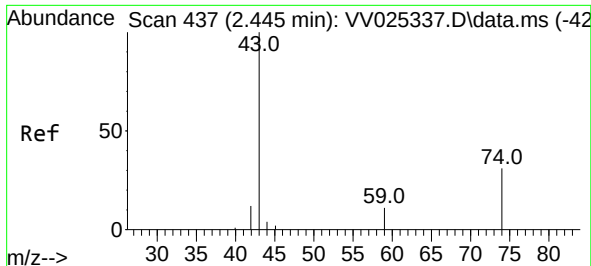
Tgt Ion: 76 Resp: 155158

Ion Ratio Lower Upper

76 100

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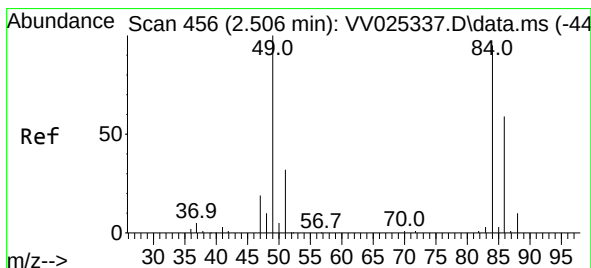
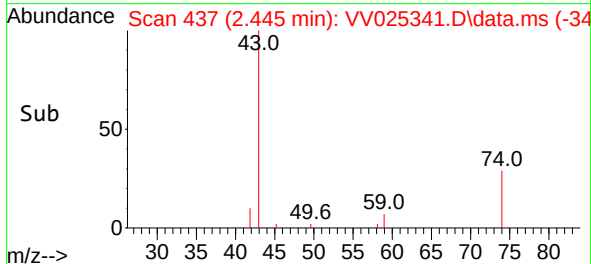
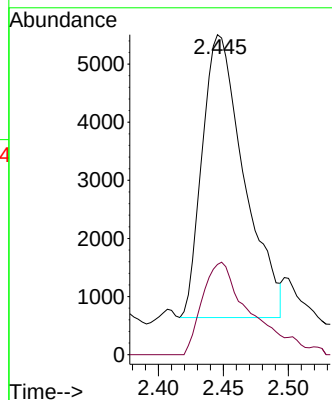
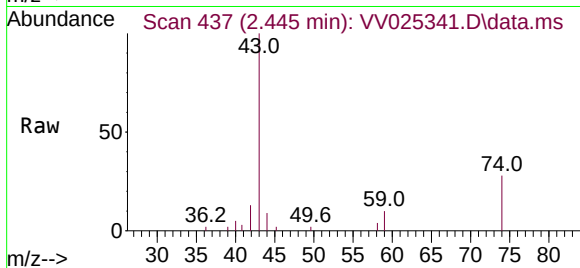




#15
Methyl Acetate
Concen: 4.779 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

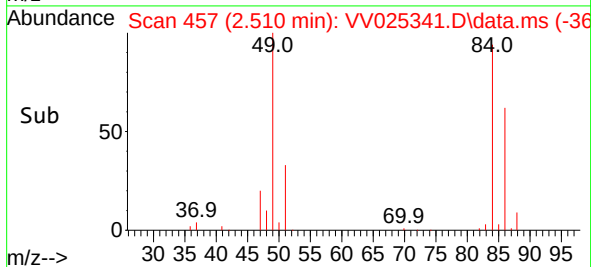
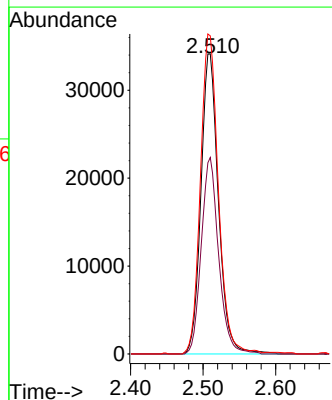
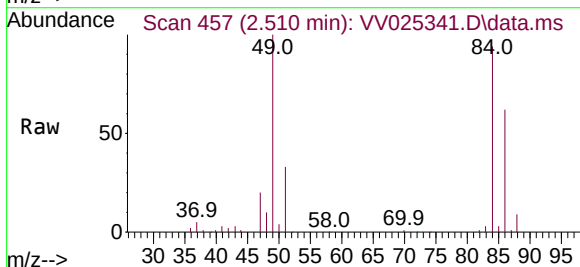
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

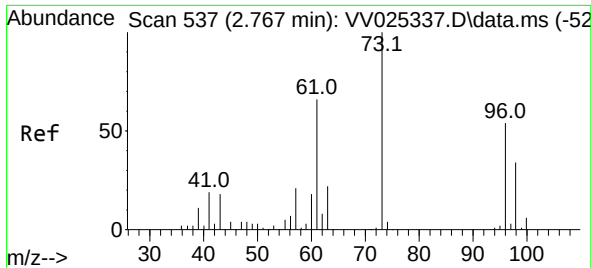
Tgt Ion: 43 Resp: 10901
Ion Ratio Lower Upper
43 100
74 37.8 20.9 31.3#



#16
Methylene chloride
Concen: 5.126 ug/L
RT: 2.510 min Scan# 457
Delta R.T. 0.003 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion: 84 Resp: 57190
Ion Ratio Lower Upper
84 100
86 65.5 43.5 80.7
49 106.0 74.5 138.3

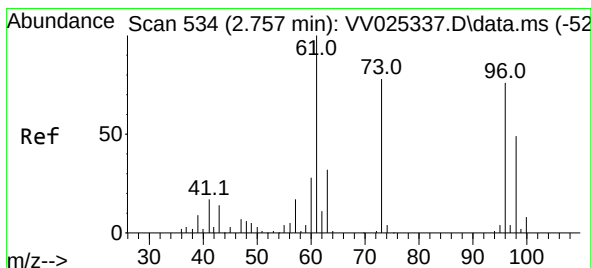
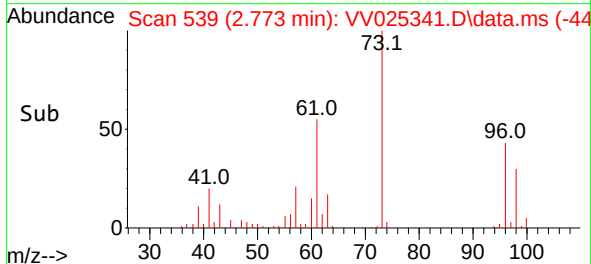
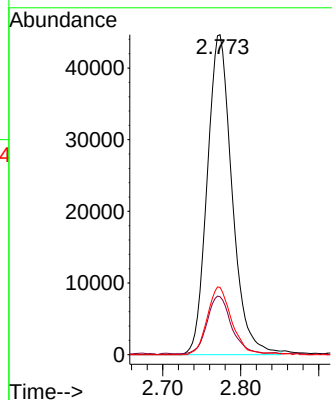
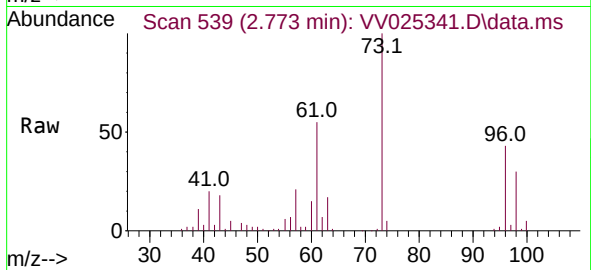




#17
Methyl tert-butyl Ether
Concen: 5.505 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

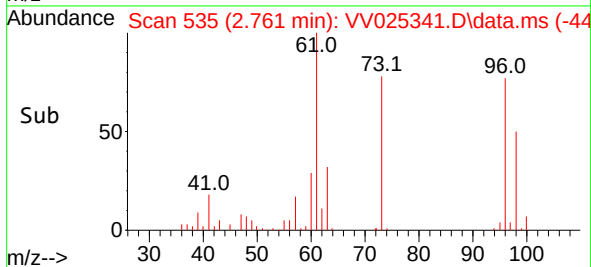
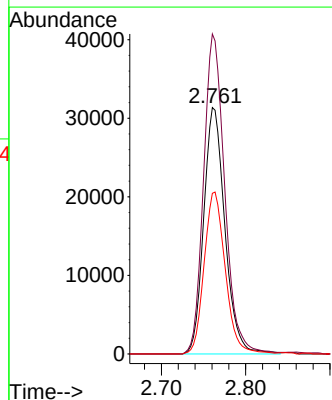
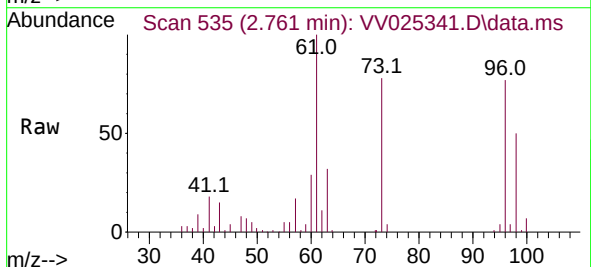
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

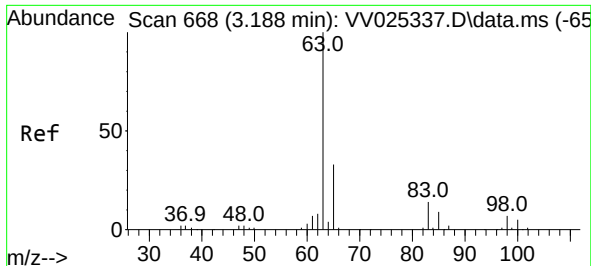
Tgt Ion: 73 Resp: 98966
Ion Ratio Lower Upper
73 100
43 17.5 13.5 20.3
57 20.6 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 5.395 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion: 96 Resp: 55028
Ion Ratio Lower Upper
96 100
61 129.9 87.6 162.8
98 65.2 44.0 81.8





#19

1,1-Dichloroethane

Concen: 5.786 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005363

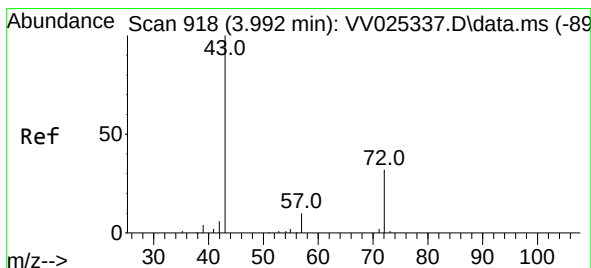
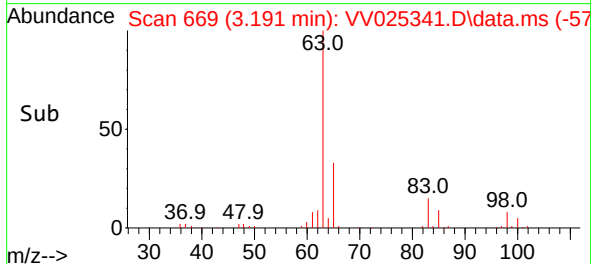
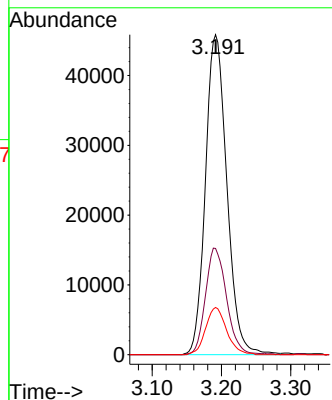
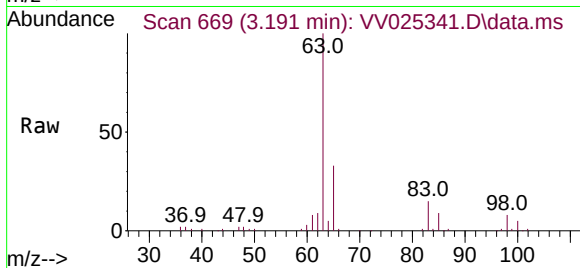
Tgt Ion: 63 Resp: 98509

Ion Ratio Lower Upper

63 100

65 33.2 22.0 40.8

83 14.8 10.2 19.0



#21

2-Butanone

Concen: 59.360 ug/L

RT: 3.992 min Scan# 918

Delta R.T. 0.000 min

Lab File: VV025341.D

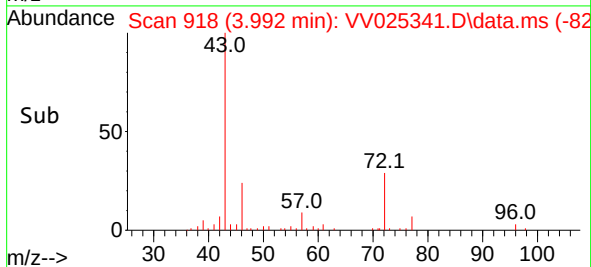
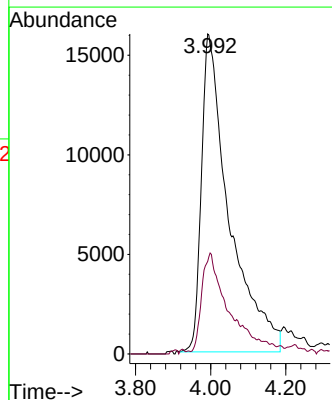
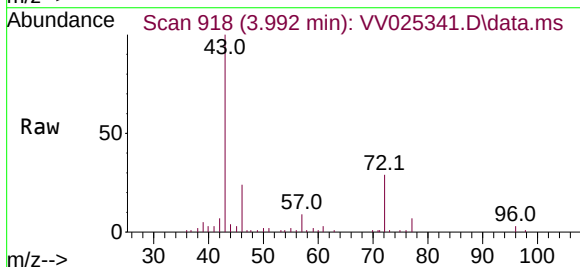
Acq: 01 Apr 2022 15:39

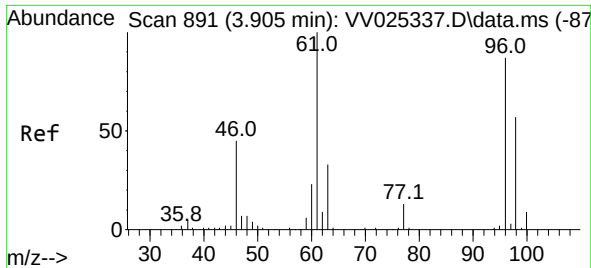
Tgt Ion: 43 Resp: 81847

Ion Ratio Lower Upper

43 100

72 29.3 11.8 35.4



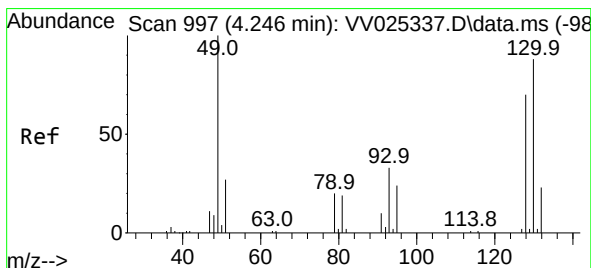
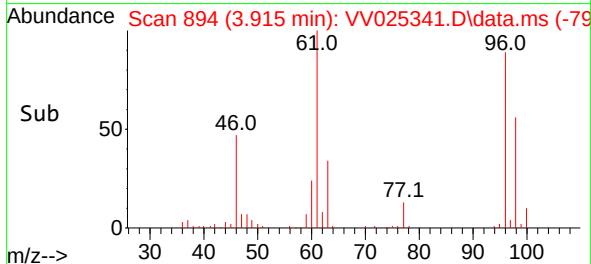
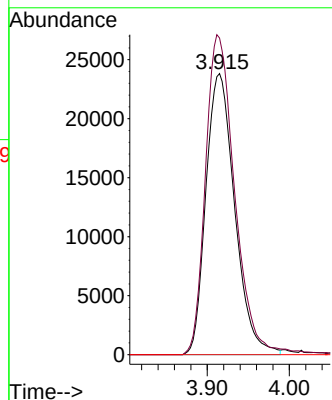
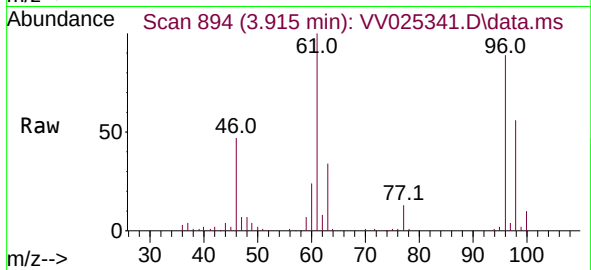


#22
 cis-1,2-Dichloroethene
 Concen: 5.618 ug/L
 RT: 3.915 min Scan# 891
 Delta R.T. 0.010 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005363

Tgt Ion: 96 Resp: 58206

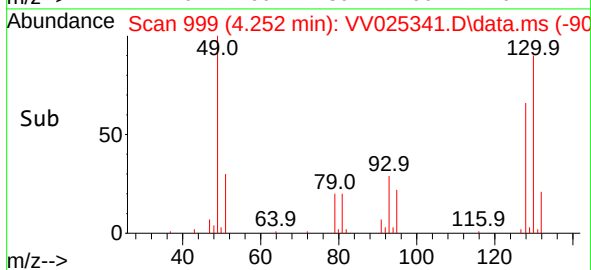
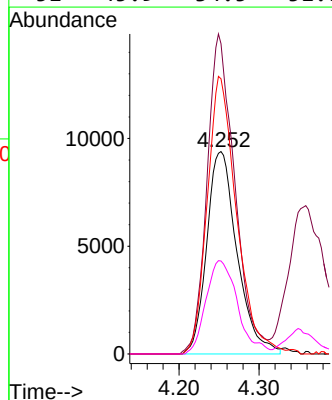
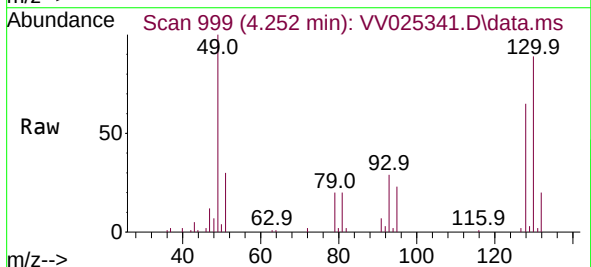
Ion	Ratio	Lower	Upper
96	100		
61	112.6	84.1	156.1
68	0.0	0.0	0.0

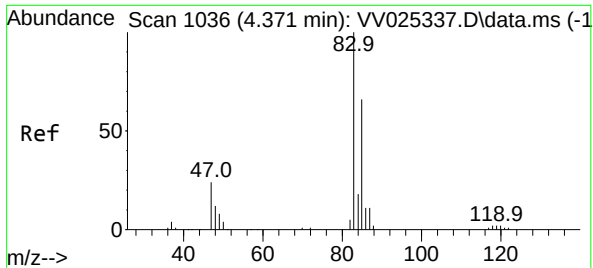


#23
 Bromochloromethane
 Concen: 5.722 ug/L
 RT: 4.252 min Scan# 999
 Delta R.T. 0.007 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

Tgt Ion: 128 Resp: 24731

Ion	Ratio	Lower	Upper
128	100		
49	153.3	101.4	188.4
130	136.0	85.0	158.0
51	45.9	34.5	51.7

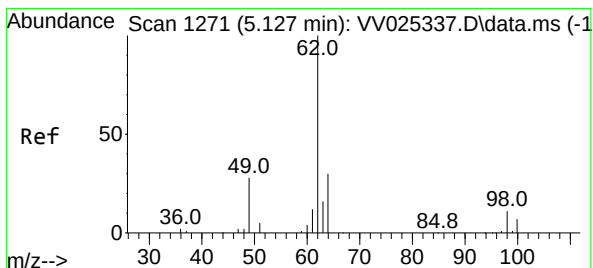
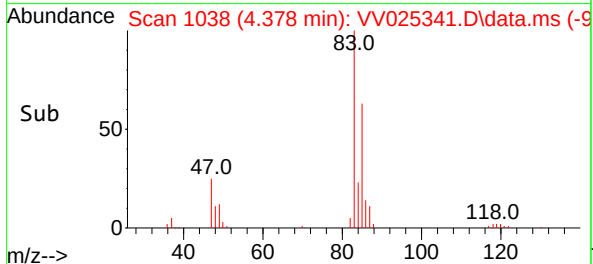
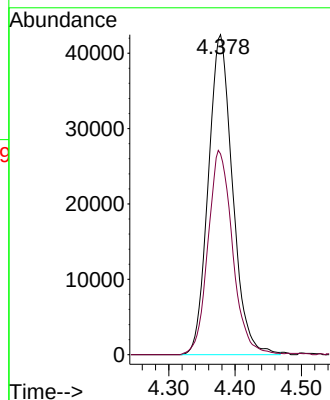
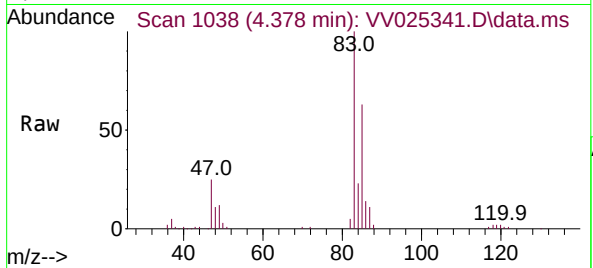




#25
Chloroform
Concen: 5.717 ug/L
RT: 4.378 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

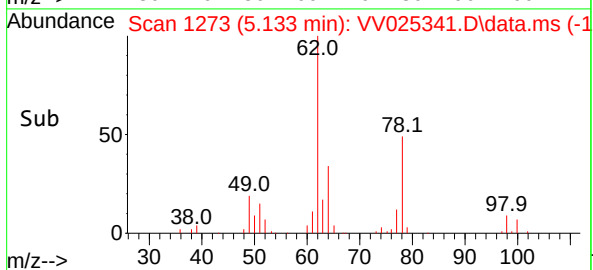
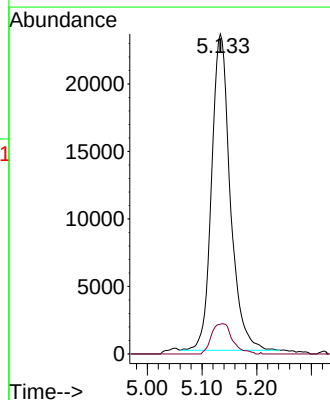
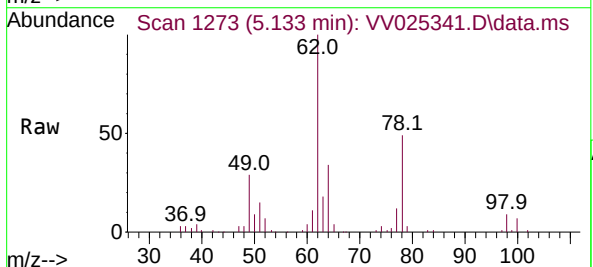
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

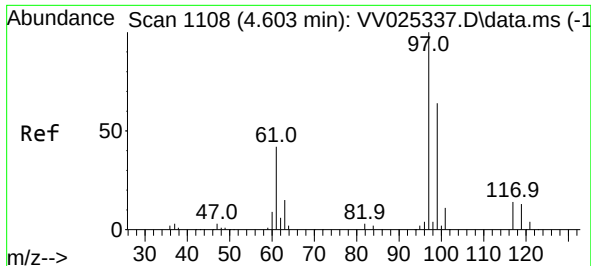
Tgt Ion: 83 Resp: 107988
Ion Ratio Lower Upper
83 100
85 62.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.695 ug/L
RT: 5.133 min Scan# 1273
Delta R.T. 0.007 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion: 62 Resp: 55557
Ion Ratio Lower Upper
62 100
98 9.3 7.9 11.9





#29

1,1,1-Trichloroethane

Concen: 5.843 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005363

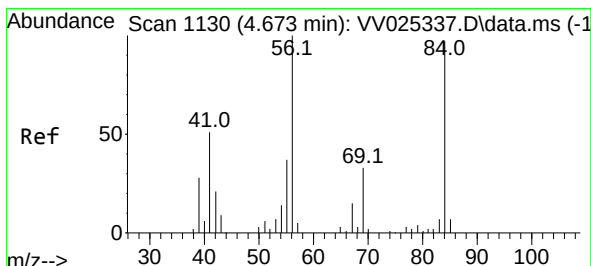
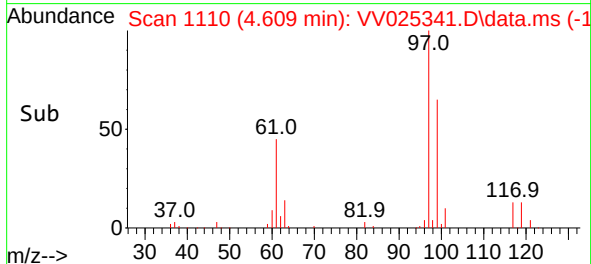
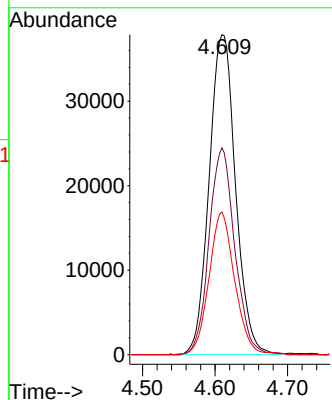
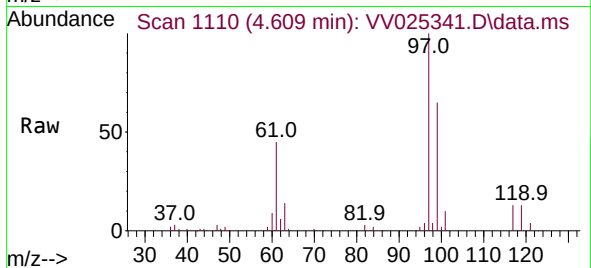
Tgt Ion: 97 Resp: 95945

Ion Ratio Lower Upper

97 100

99 63.1 51.9 77.9

61 43.1 34.2 51.2



#30

Cyclohexane

Concen: 4.789 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

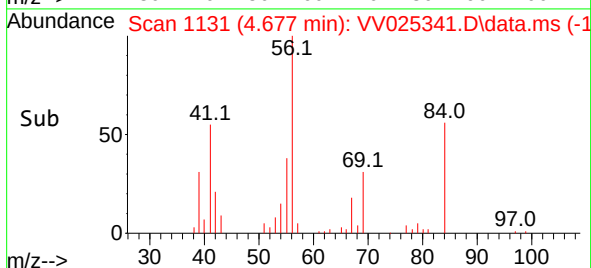
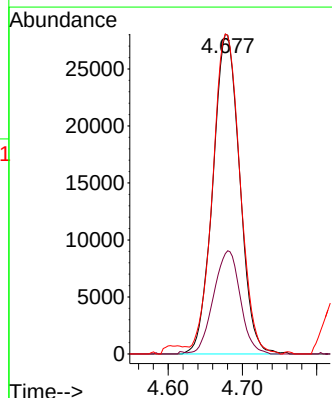
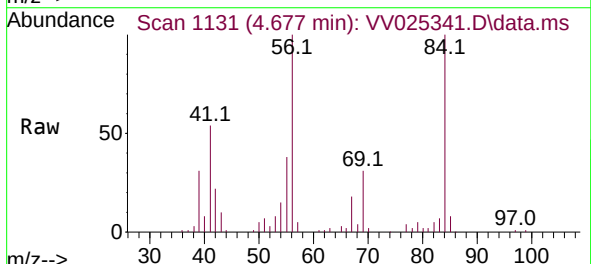
Tgt Ion: 56 Resp: 70332

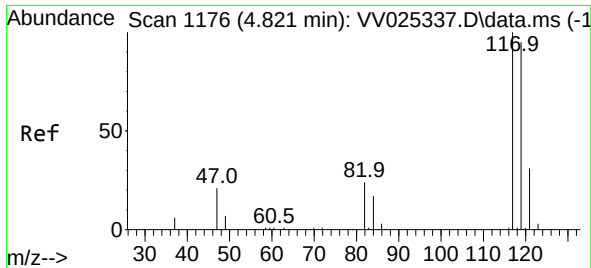
Ion Ratio Lower Upper

56 100

69 32.1 25.3 37.9

84 101.8 78.4 117.6

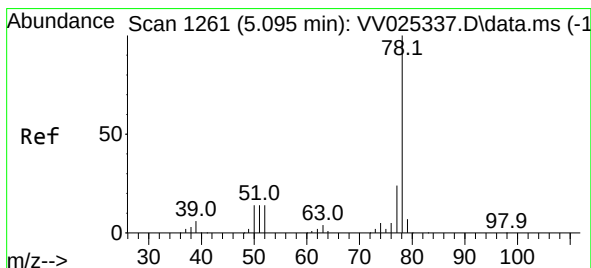
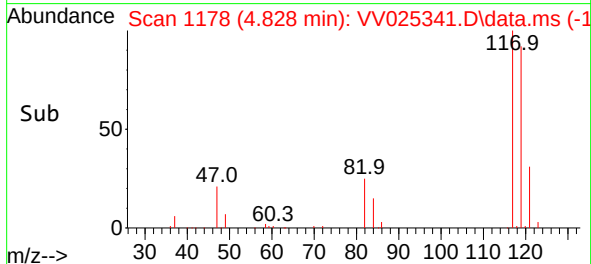
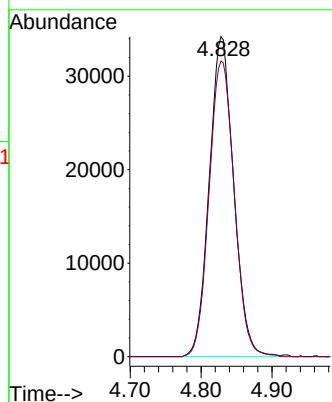
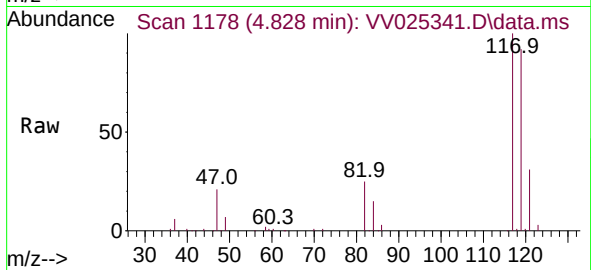




#31
Carbon tetrachloride
Concen: 5.752 ug/L
RT: 4.828 min Scan# 1176
Delta R.T. 0.007 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

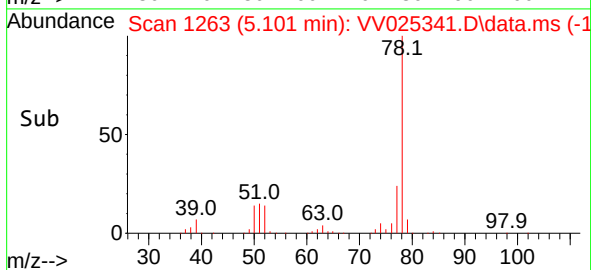
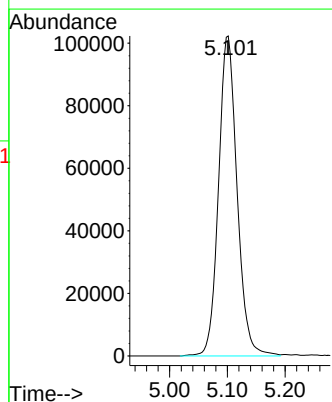
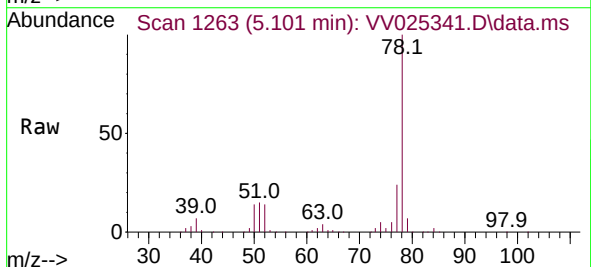
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

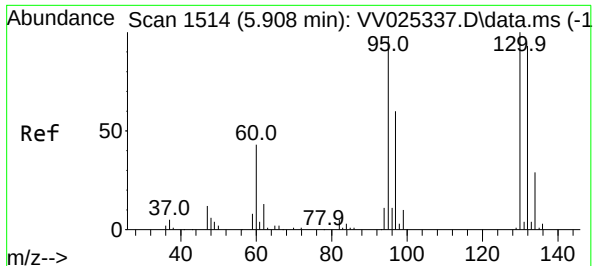
Tgt Ion:117 Resp: 81750
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.6



#33
Benzene
Concen: 5.729 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.007 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion: 78 Resp: 228211

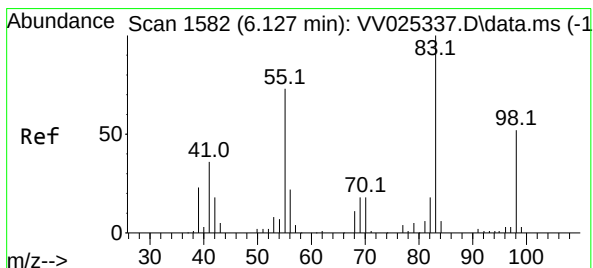
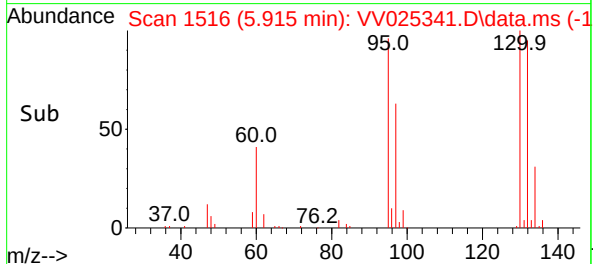
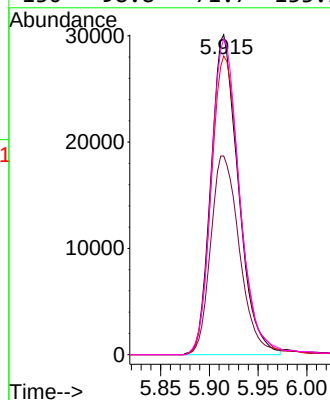
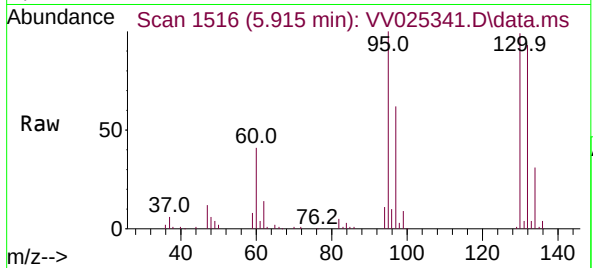




#34
Trichloroethene
Concen: 5.367 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

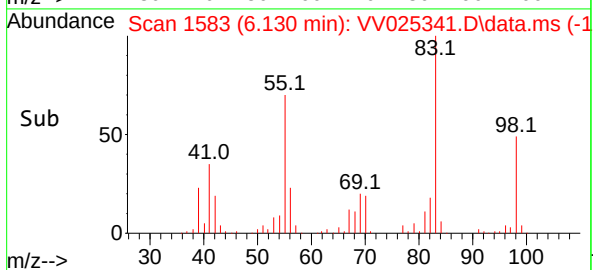
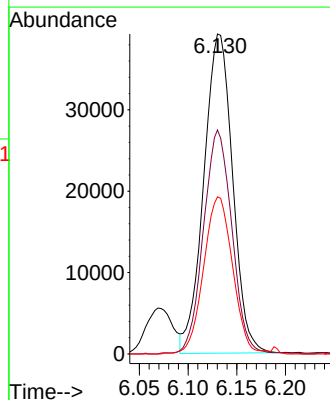
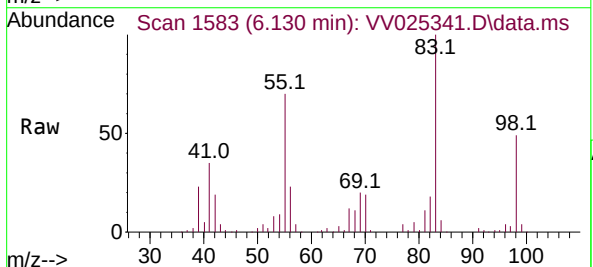
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

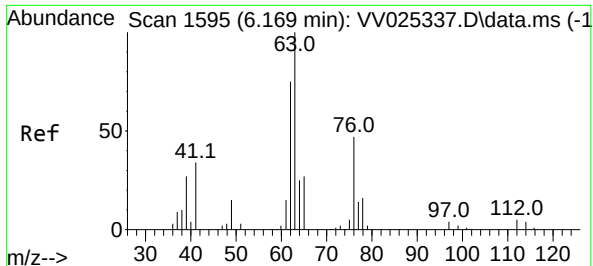
Tgt Ion: 95 Resp: 58703
Ion Ratio Lower Upper
95 100
97 62.1 46.3 85.9
132 93.4 65.2 121.2
130 98.8 71.7 133.1



#35
Methylcyclohexane
Concen: 4.721 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion: 83 Resp: 80916
Ion Ratio Lower Upper
83 100
55 68.2 54.6 81.8
98 49.5 39.8 59.6





#37

1,2-Dichloropropane

Concen: 5.779 ug/L

RT: 6.175 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

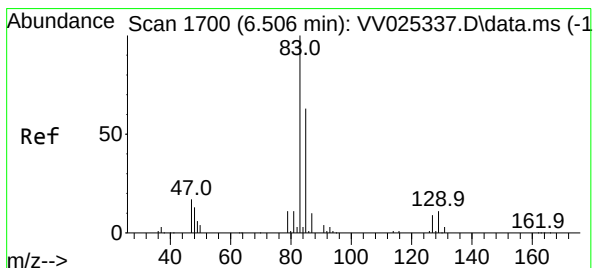
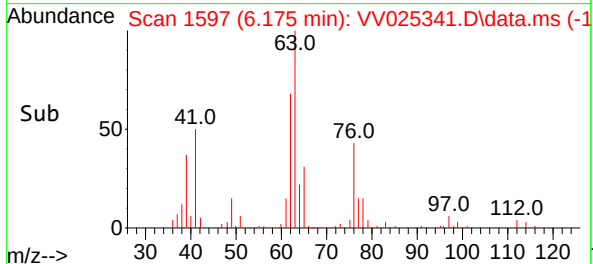
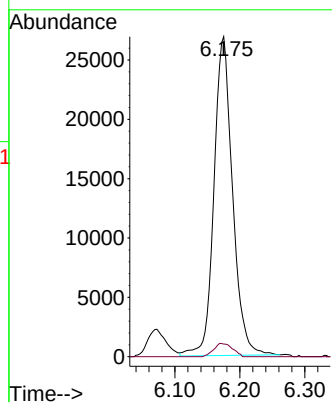
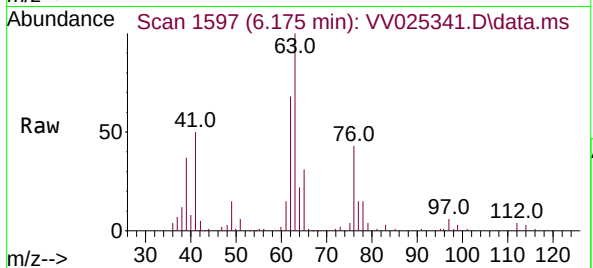
VSTD005363

Tgt Ion: 63 Resp: 53395

Ion Ratio Lower Upper

63 100

112 4.2 4.2 6.2



#38

Bromodichloromethane

Concen: 5.917 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

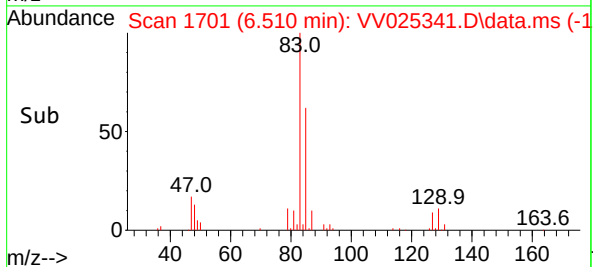
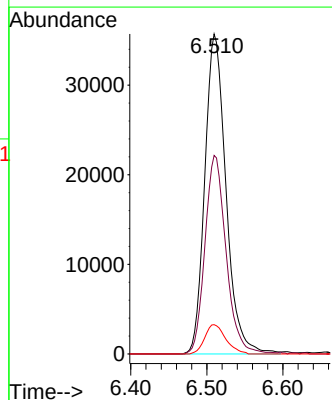
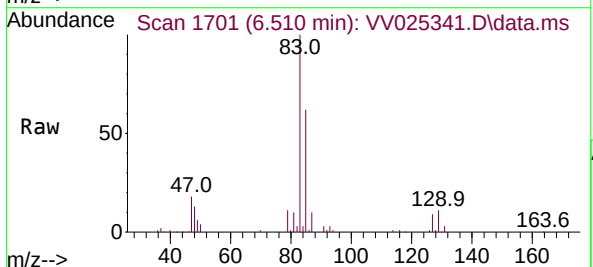
Tgt Ion: 83 Resp: 69269

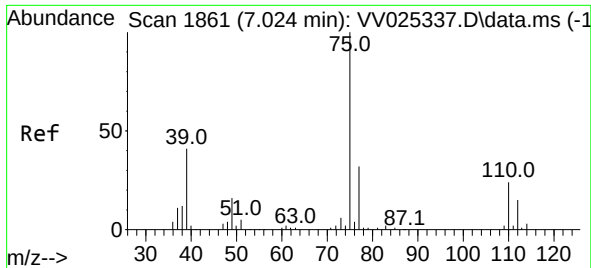
Ion Ratio Lower Upper

83 100

85 62.1 47.2 87.6

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.467 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

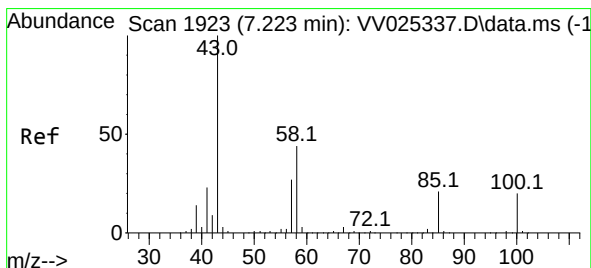
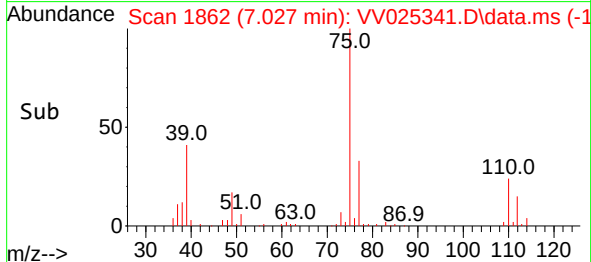
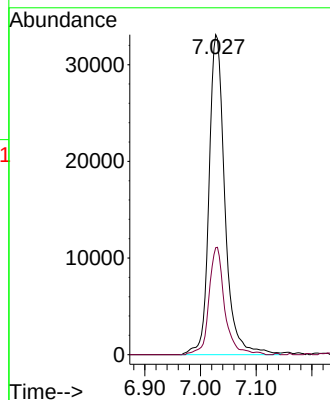
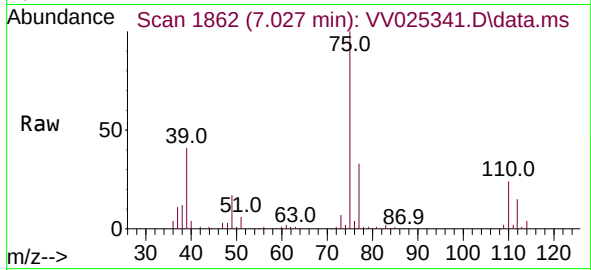
VSTD005363

Tgt Ion: 75 Resp: 65507

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 60.097 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

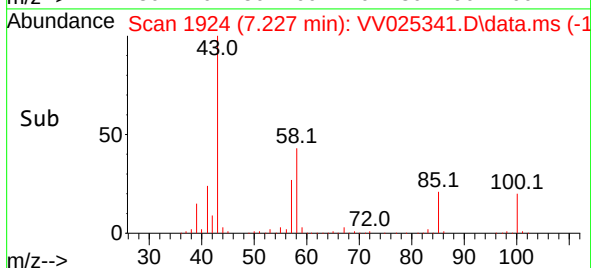
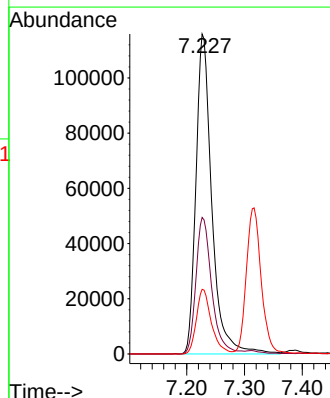
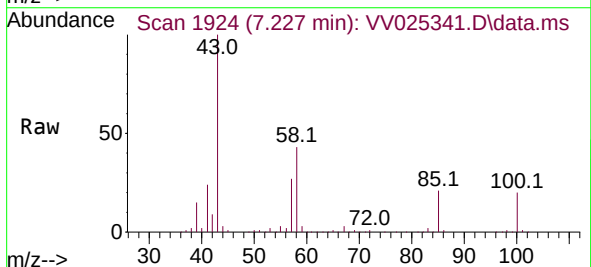
Tgt Ion: 43 Resp: 221722

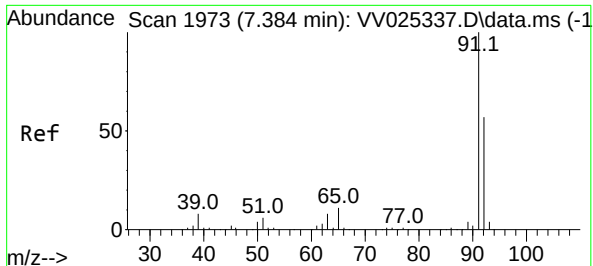
Ion Ratio Lower Upper

43 100

58 42.5 35.1 52.7

100 19.1 15.5 23.3





#42

Toluene

Concen: 5.758 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

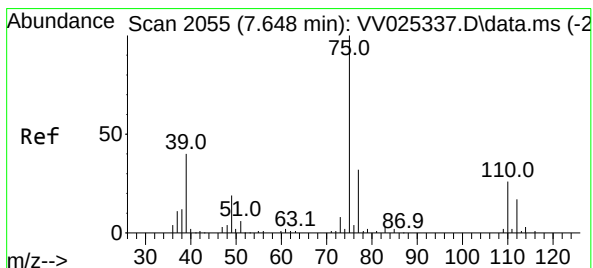
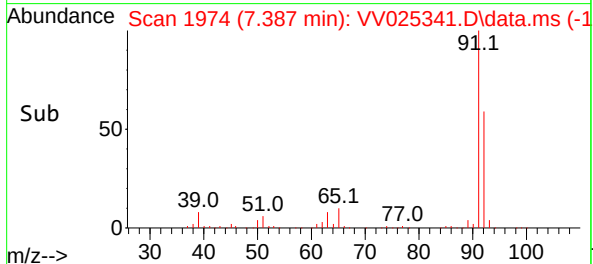
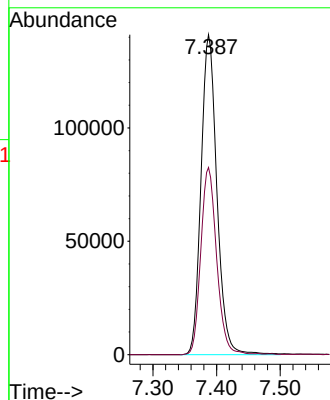
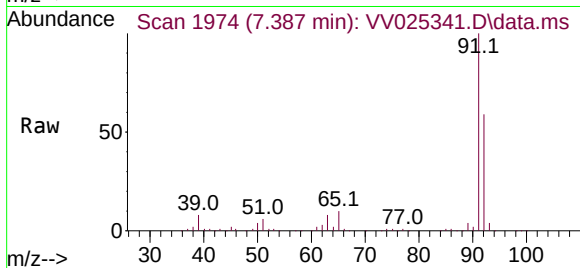
VSTD005363

Tgt Ion: 91 Resp: 244871

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 5.570 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV025341.D

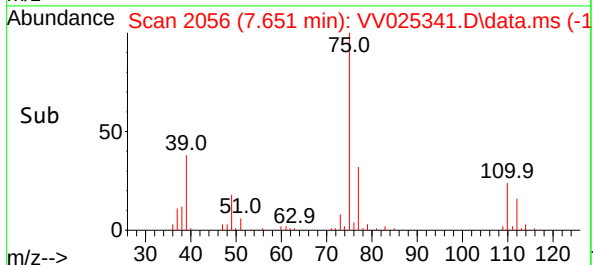
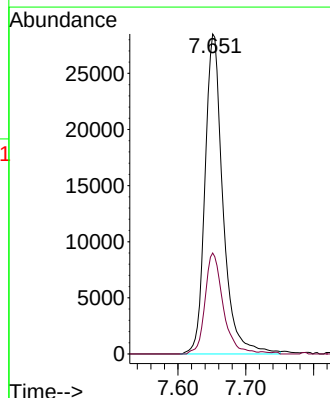
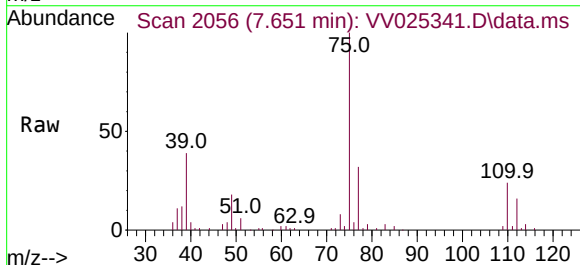
Acq: 01 Apr 2022 15:39

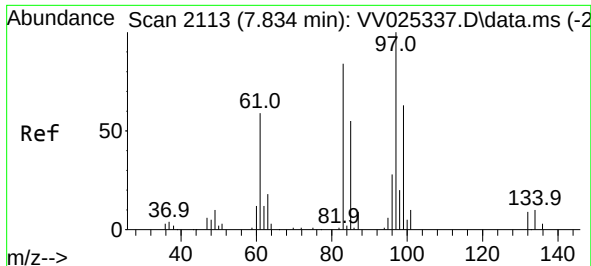
Tgt Ion: 75 Resp: 52463

Ion Ratio Lower Upper

75 100

77 31.5 24.2 45.0





#45

1,1,2-Trichloroethane

Concen: 5.873 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005363

Tgt Ion: 97 Resp: 37157

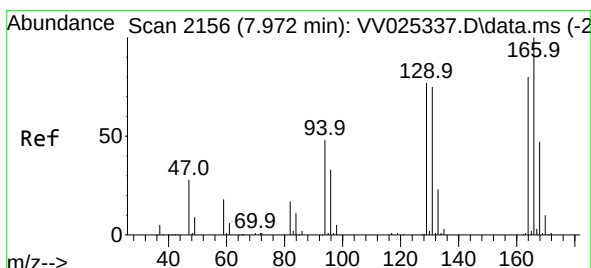
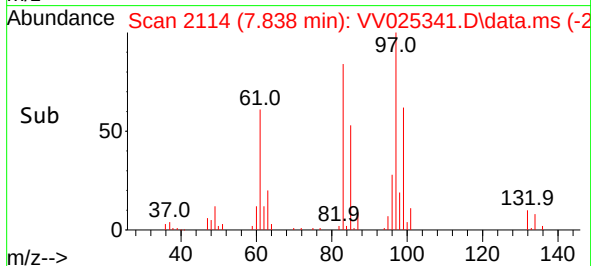
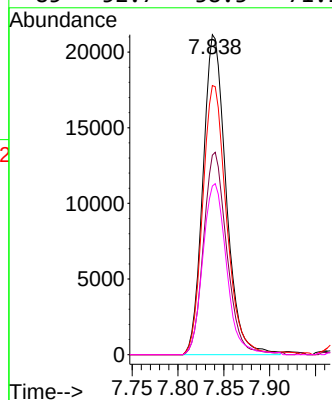
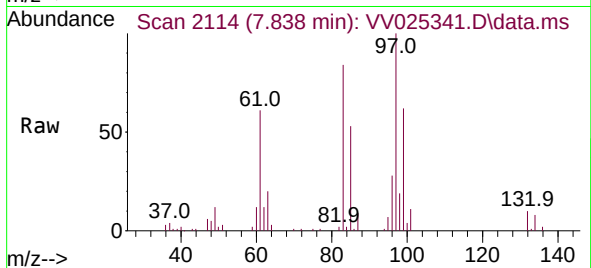
Ion Ratio Lower Upper

97 100

99 62.4 43.3 80.5

83 84.1 58.0 107.6

85 52.7 38.3 71.1



#47

Tetrachloroethene

Concen: 5.419 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Tgt Ion: 164 Resp: 43706

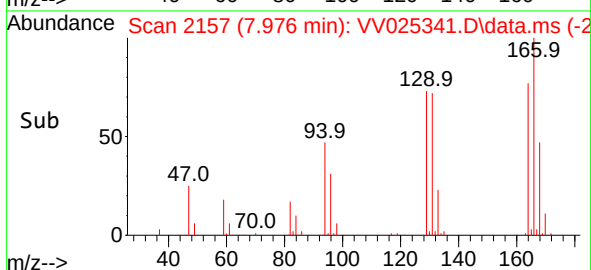
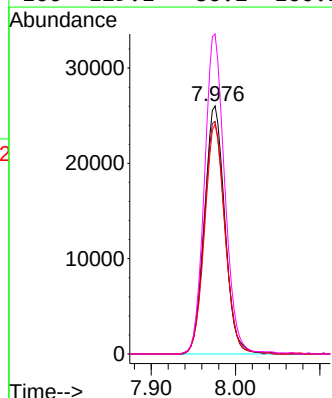
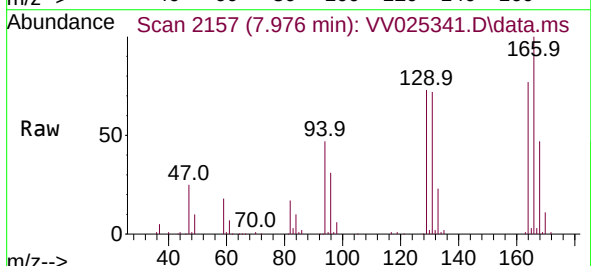
Ion Ratio Lower Upper

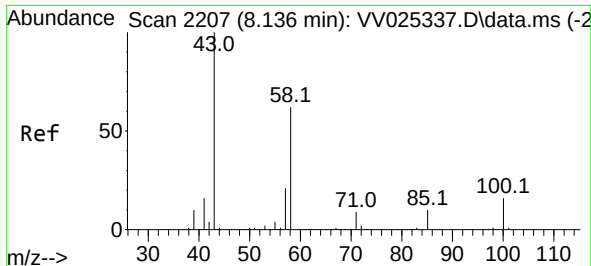
164 100

129 93.8 67.5 125.4

131 92.7 68.0 126.4

166 129.1 86.2 160.2



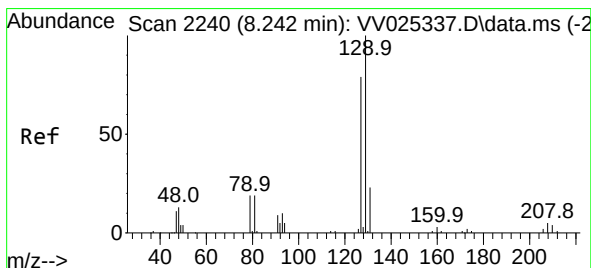
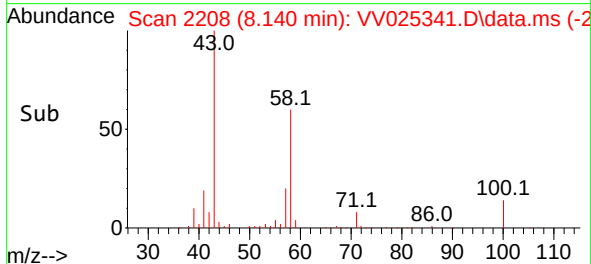
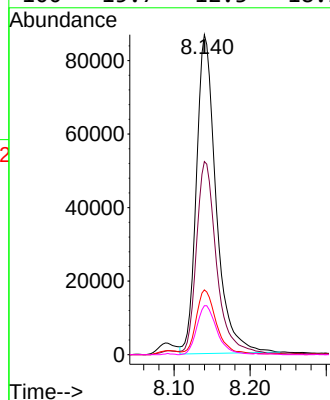
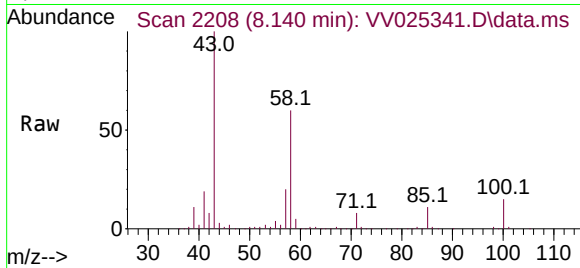


#48
2-Hexanone
Concen: 59.200 ug/L
RT: 8.140 min Scan# 2207
Delta R.T. 0.003 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

Tgt Ion: 43 Resp: 156213

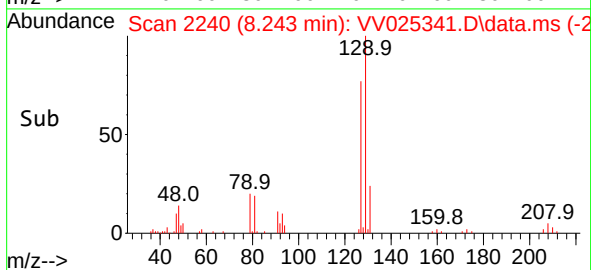
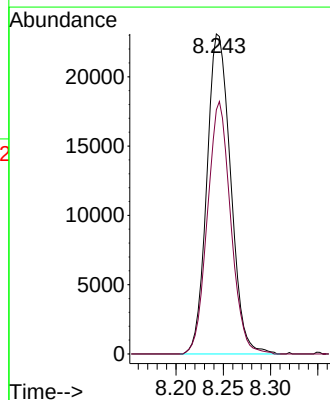
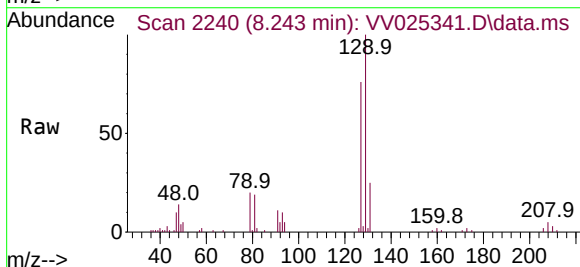
Ion	Ratio	Lower	Upper
43	100		
58	61.4	48.5	72.7
57	20.5	16.9	25.3
100	15.7	12.3	18.5

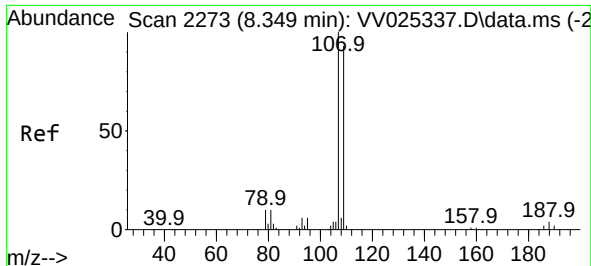


#49
Dibromochloromethane
Concen: 5.935 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion: 129 Resp: 40409

Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.1	100.5





#50

1,2-Dibromoethane

Concen: 5.819 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005363

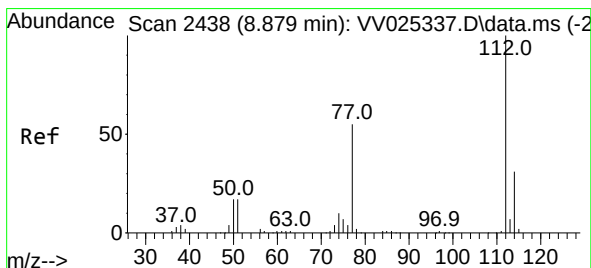
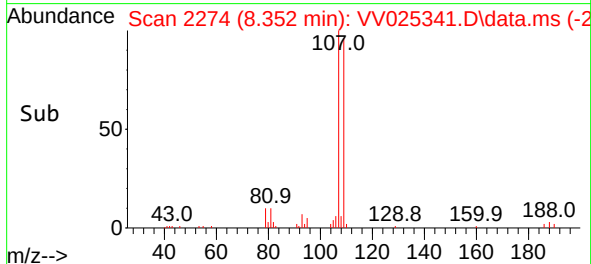
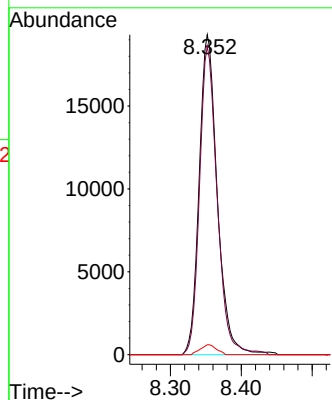
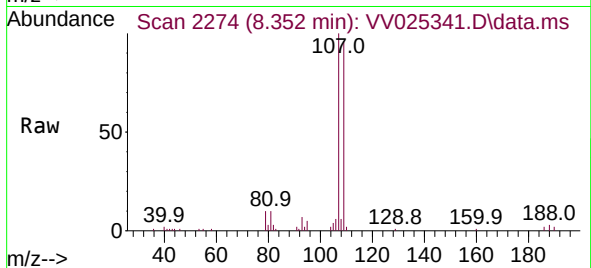
Tgt Ion:107 Resp: 34301

Ion Ratio Lower Upper

107 100

109 96.4 64.7 120.1

188 3.1 2.2 3.4



#51

Chlorobenzene

Concen: 5.617 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

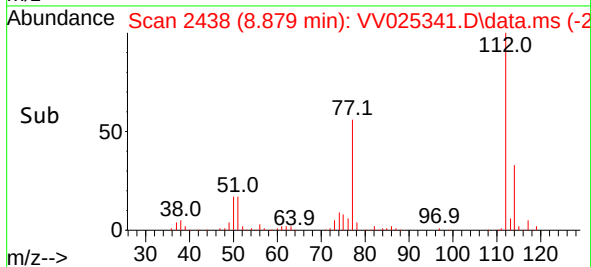
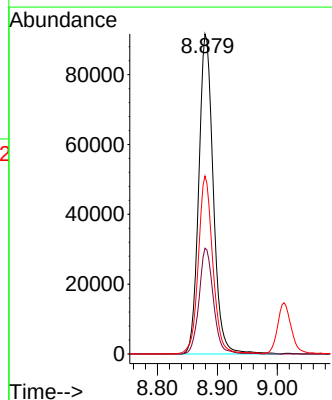
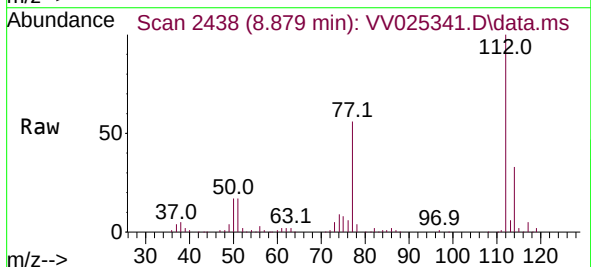
Tgt Ion:112 Resp: 154268

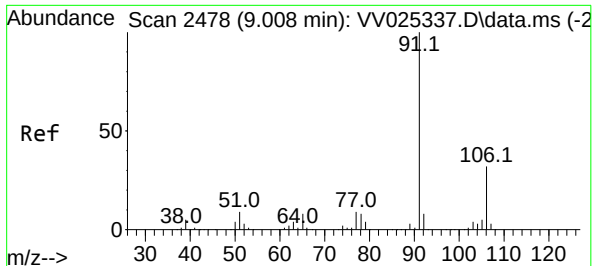
Ion Ratio Lower Upper

112 100

114 33.0 21.9 40.7

77 55.6 44.2 66.4





#52

Ethylbenzene

Concen: 5.546 ug/L

RT: 9.011 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

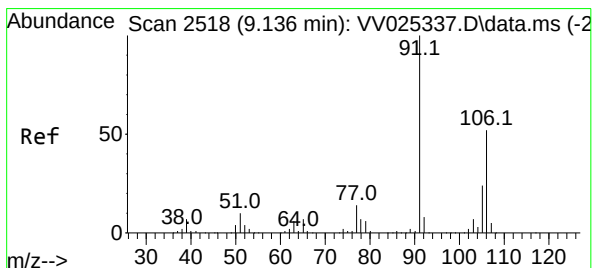
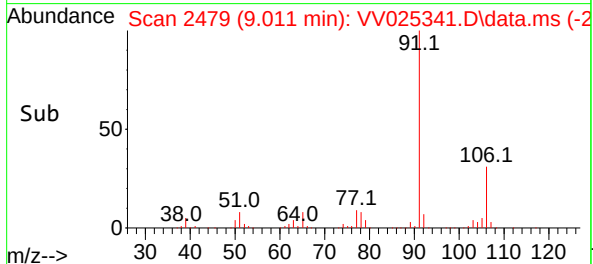
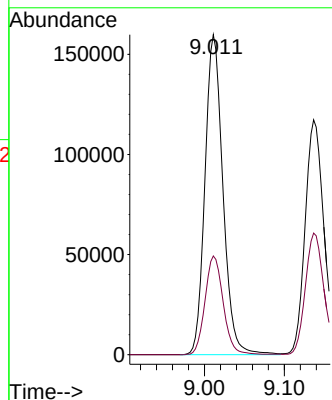
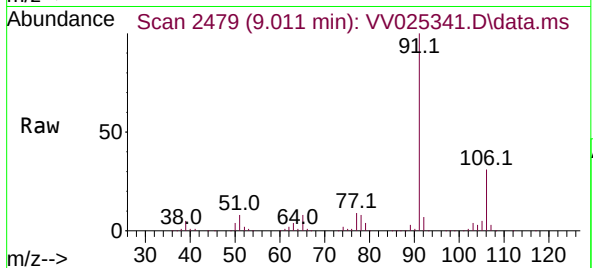
VSTD005363

Tgt Ion: 91 Resp: 250166

Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



#53

m,p-Xylene

Concen: 5.606 ug/L

RT: 9.136 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV025341.D

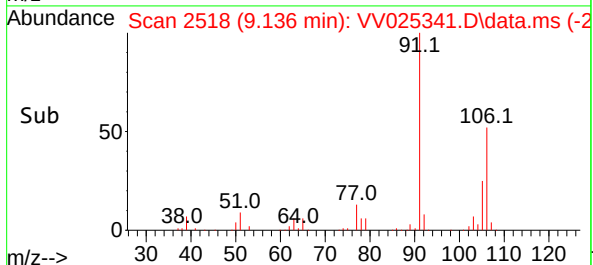
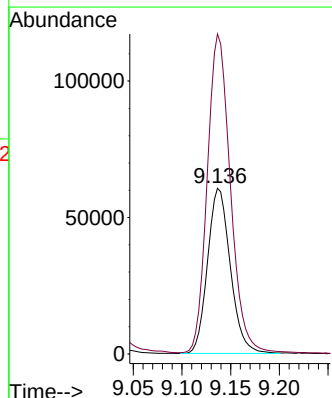
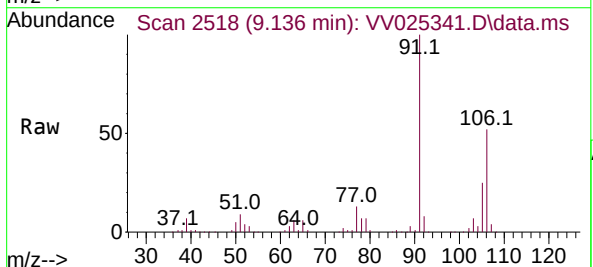
Acq: 01 Apr 2022 15:39

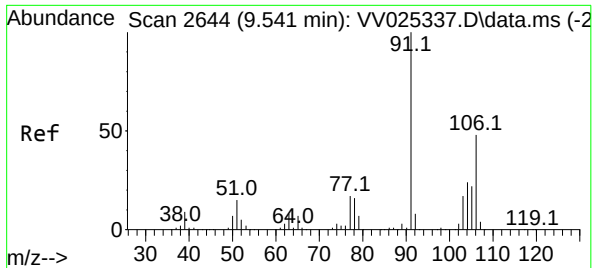
Tgt Ion: 106 Resp: 98333

Ion Ratio Lower Upper

106 100

91 193.0 136.8 254.0

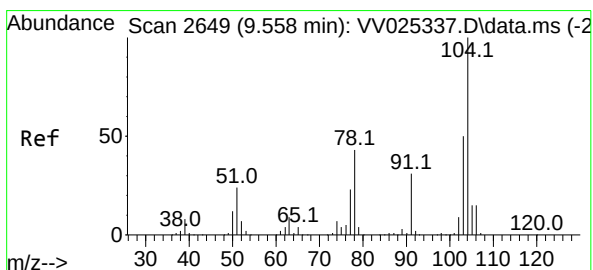
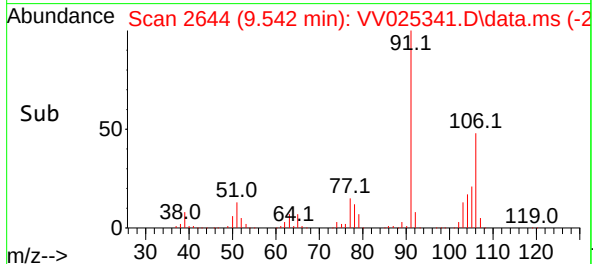
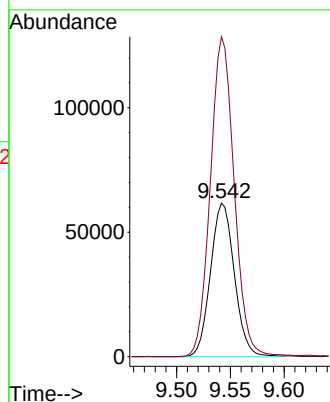
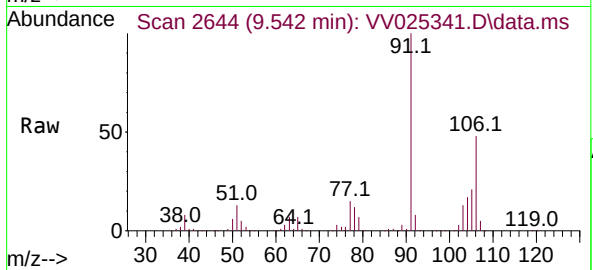




#54
o-Xylene
Concen: 5.665 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

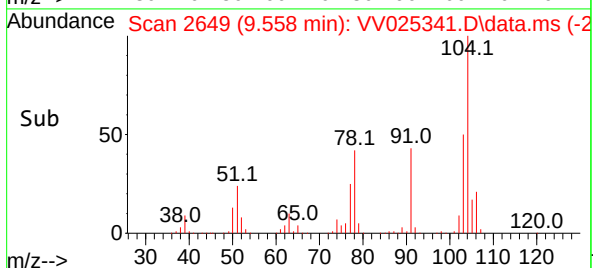
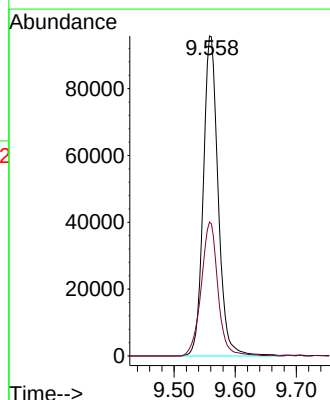
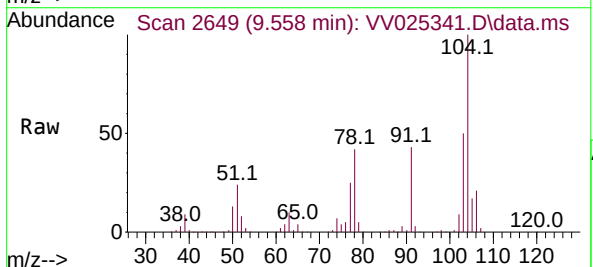
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

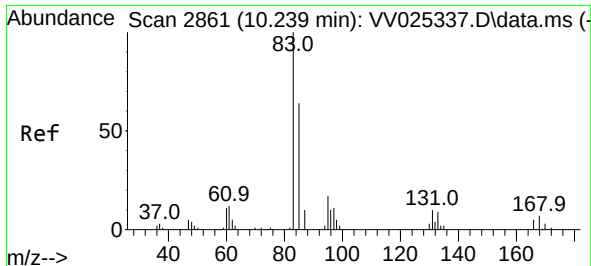
Tgt Ion:106 Resp: 94998
Ion Ratio Lower Upper
106 100
91 208.4 143.0 265.6



#55
Styrene
Concen: 5.868 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion:104 Resp: 161812
Ion Ratio Lower Upper
104 100
78 41.8 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.702 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. 0.000 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD005363

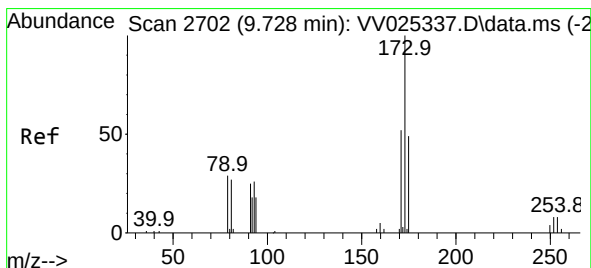
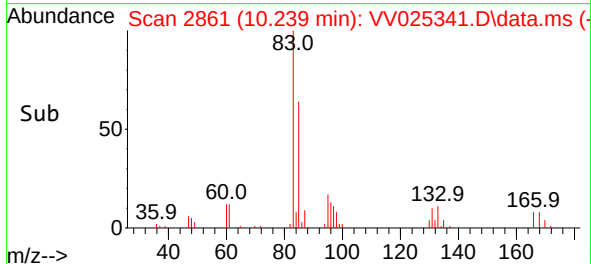
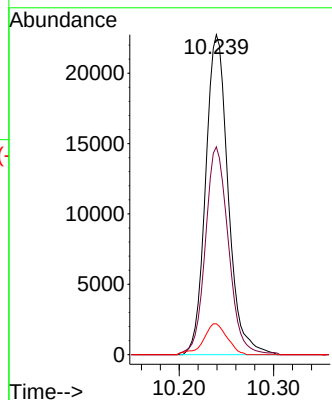
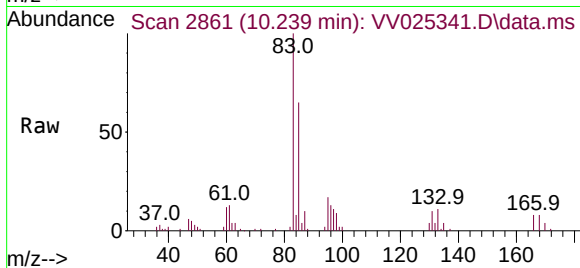
Tgt Ion: 83 Resp: 37605

Ion Ratio Lower Upper

83 100

85 64.9 46.2 85.8

131 9.6 8.1 12.1



#59

Bromoform

Concen: 6.044 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

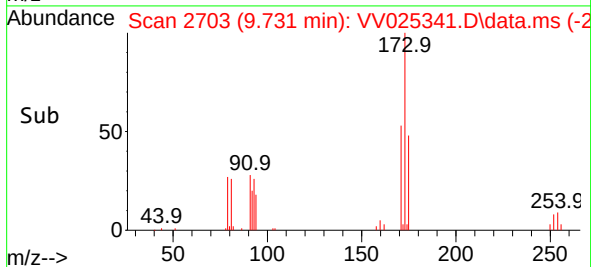
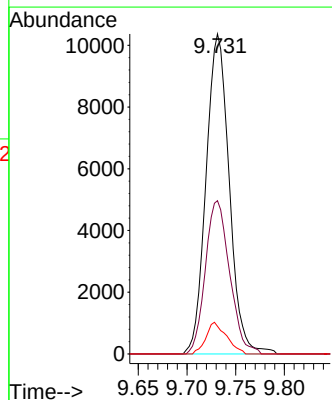
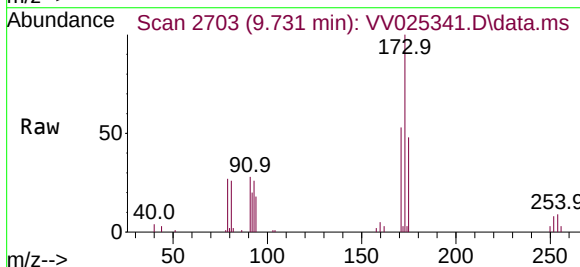
Tgt Ion: 173 Resp: 17160

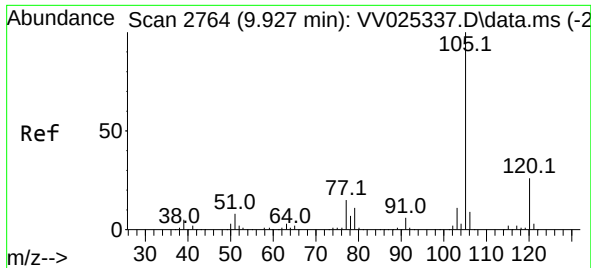
Ion Ratio Lower Upper

173 100

175 50.0 39.4 59.0

254 8.7 5.6 8.4

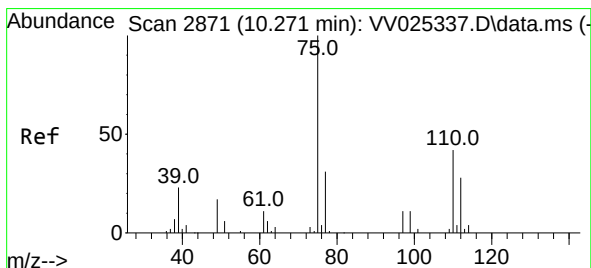
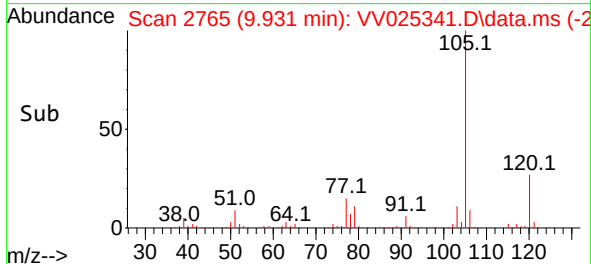
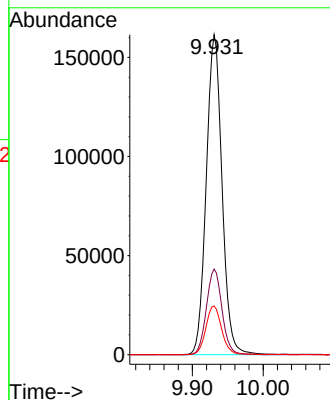
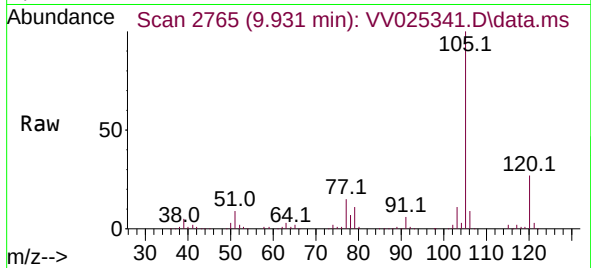




#60
Isopropylbenzene
Concen: 5.421 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

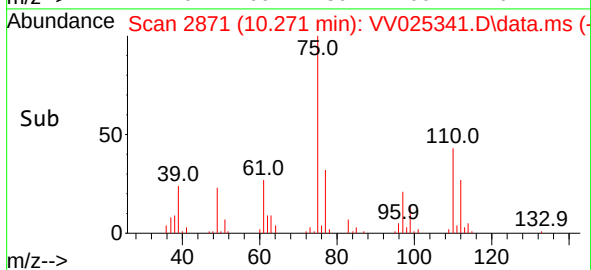
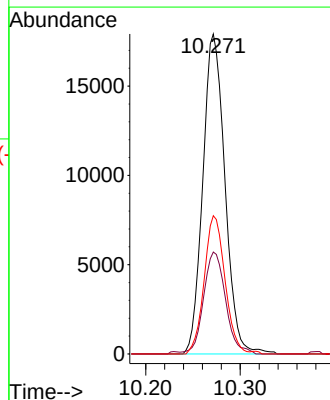
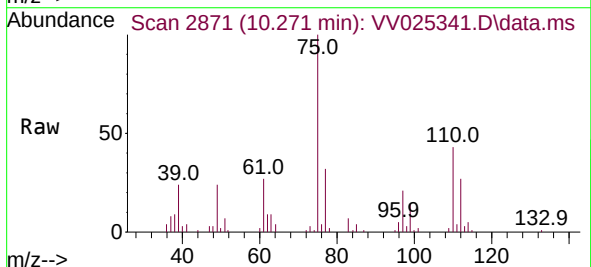
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

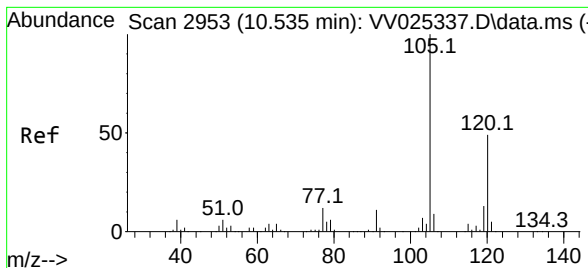
Tgt Ion:105 Resp: 249728
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 15.2 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 5.544 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion: 75 Resp: 29136
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6
110 40.6 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.995 ug/L

RT: 10.538 min Scan# 2953

Delta R.T. 0.003 min

Lab File: VV025341.D

Acq: 01 Apr 2022 15:39

Instrument :

MSVOA_V

ClientSampleId :

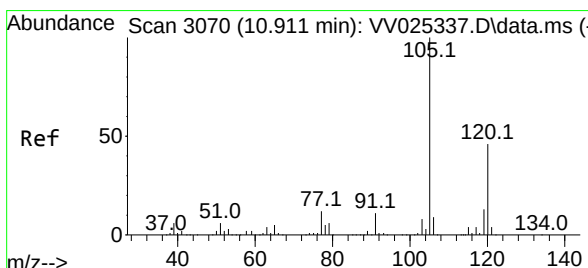
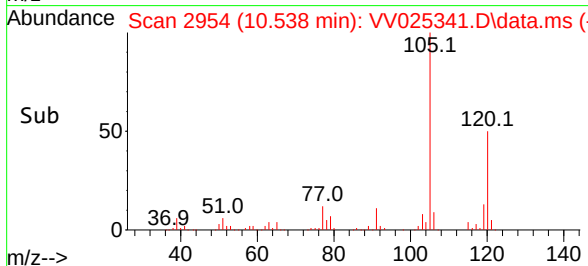
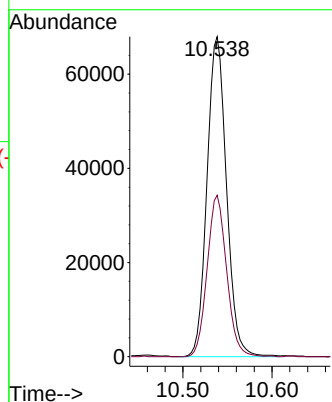
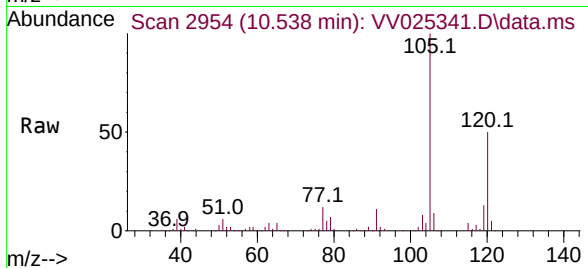
VSTD005363

Tgt Ion:105 Resp: 103179

Ion Ratio Lower Upper

105 100

120 50.4 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 5.240 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.000 min

Lab File: VV025341.D

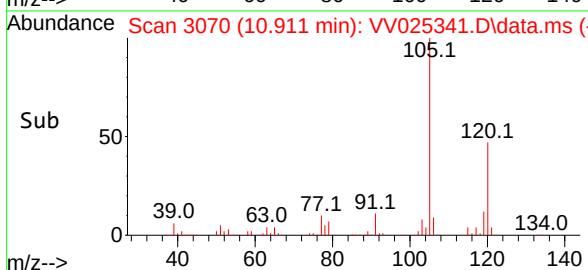
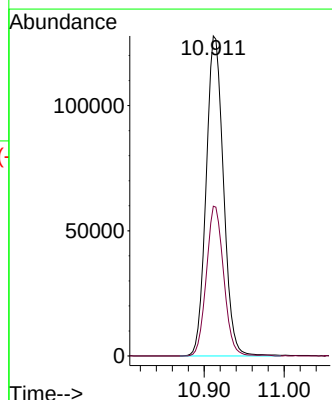
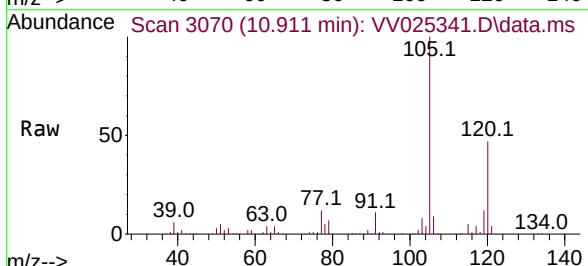
Acq: 01 Apr 2022 15:39

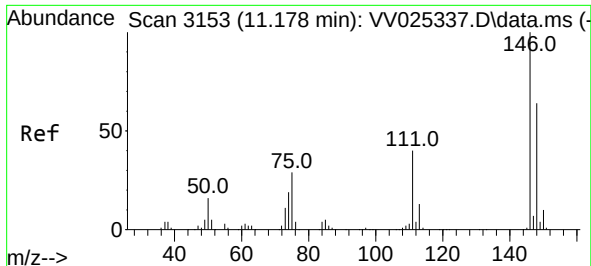
Tgt Ion:105 Resp: 193099

Ion Ratio Lower Upper

105 100

120 46.7 36.5 54.7

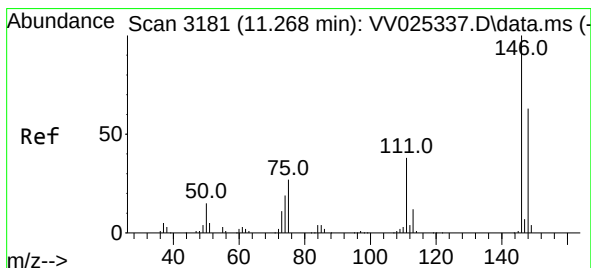
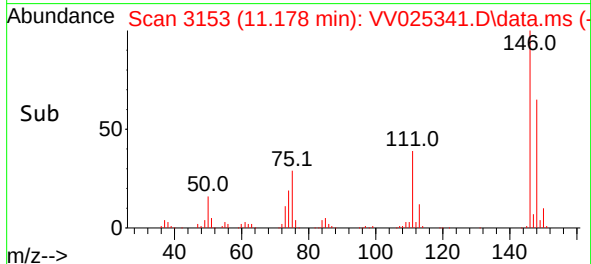
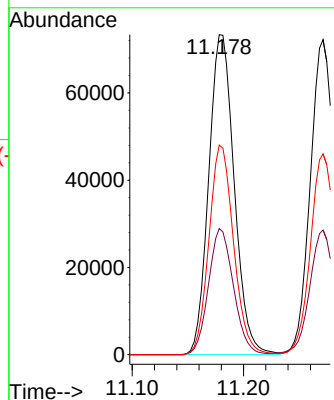
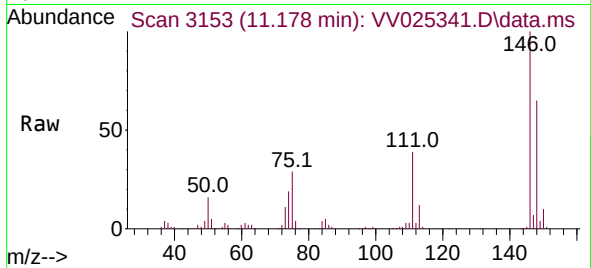




#64
1,3-Dichlorobenzene
Concen: 5.414 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

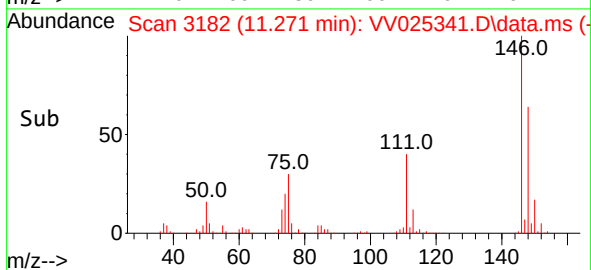
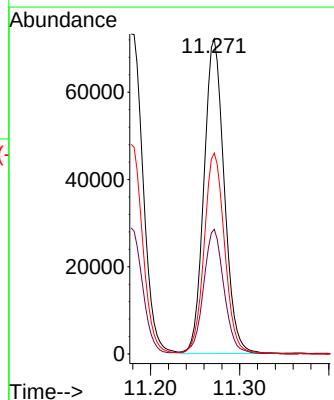
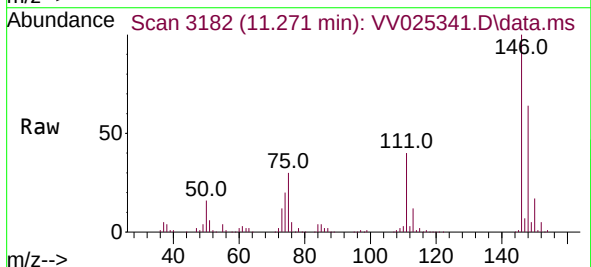
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

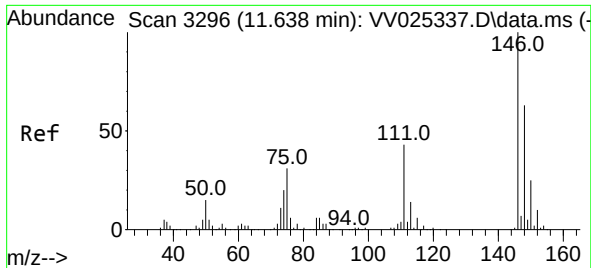
Tgt Ion:146 Resp: 116794
Ion Ratio Lower Upper
146 100
111 39.4 29.0 53.8
148 65.5 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 5.268 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion:146 Resp: 113807
Ion Ratio Lower Upper
146 100
111 39.6 27.9 51.9
148 63.8 45.6 84.8

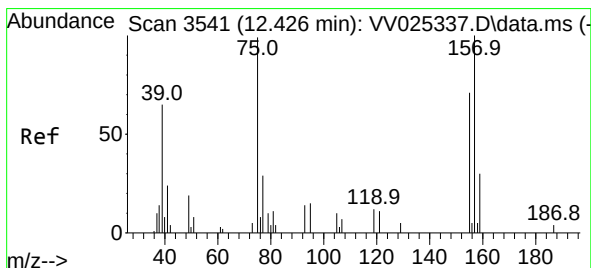
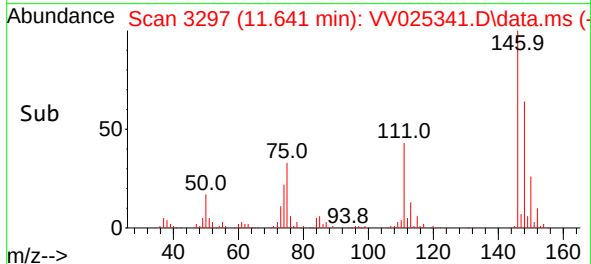
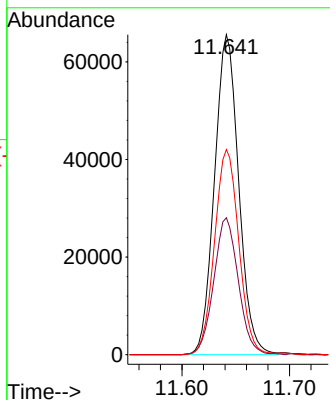
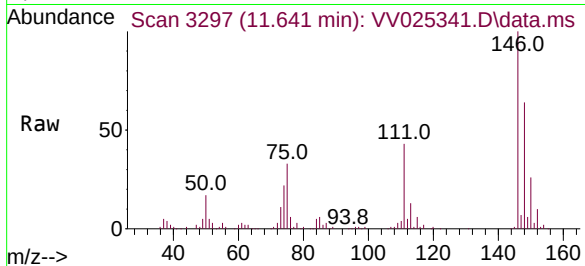




#67
1,2-Dichlorobenzene
Concen: 5.397 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.003 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

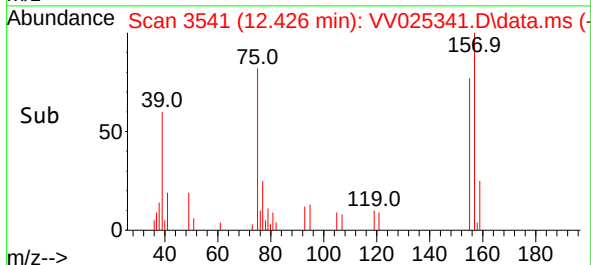
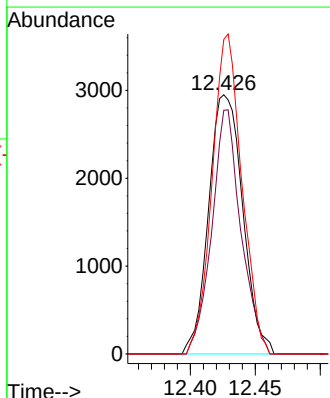
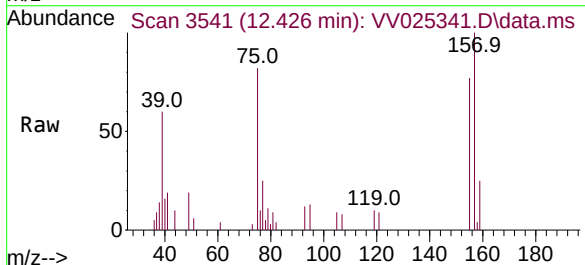
Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

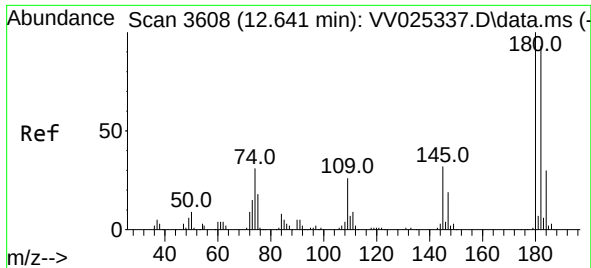
Tgt Ion:146 Resp: 102456
Ion Ratio Lower Upper
146 100
111 42.8 33.0 49.6
148 64.1 49.3 73.9



#68
1,2-Dibromo-3-chloropropane
Concen: 5.718 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion: 75 Resp: 5380
Ion Ratio Lower Upper
75 100
155 94.0 80.0 120.0
157 121.3 94.5 141.7

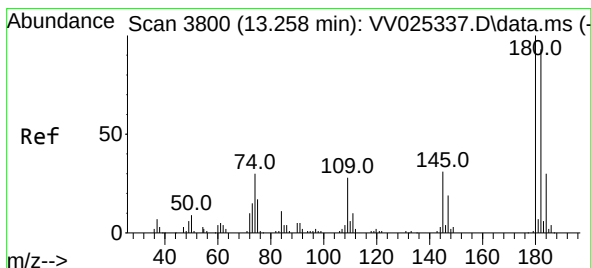
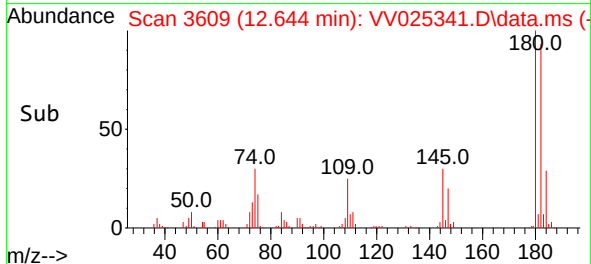
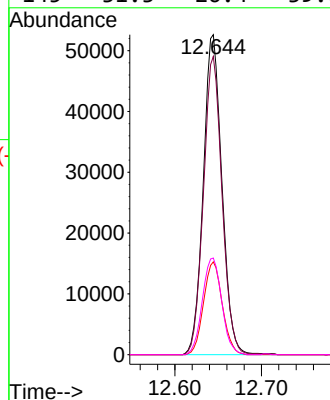
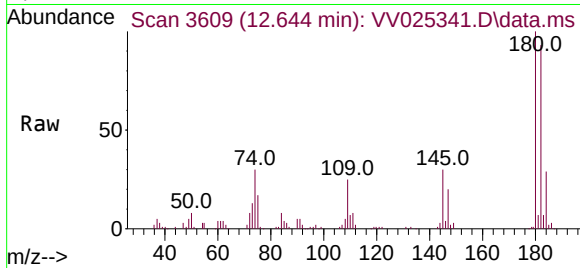




#69
 1,3,5-Trichlorobenzene
 Concen: 5.055 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.003 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

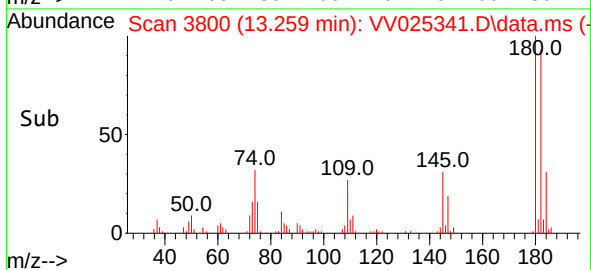
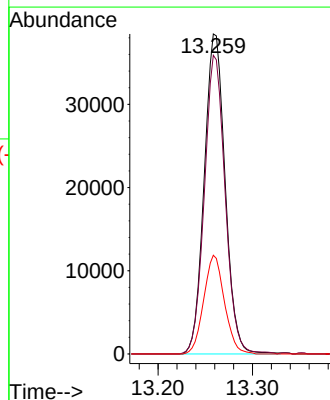
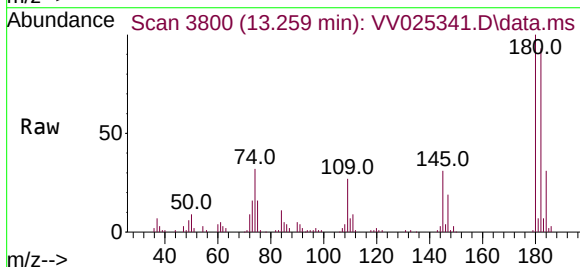
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005363

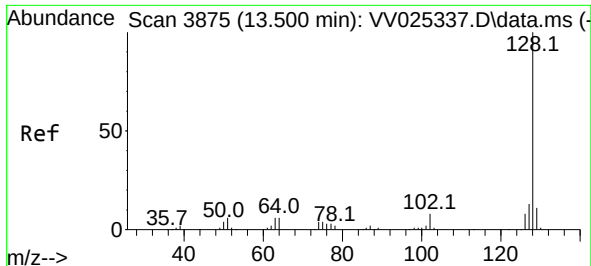
Tgt Ion:180	Resp:	78668
Ion Ratio	Lower	Upper
180	100	
182	92.9	77.1 115.7
184	29.2	23.6 35.4
145	31.3	26.4 39.6



#70
 1,2,4-trichlorobenzene
 Concen: 5.029 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV025341.D
 Acq: 01 Apr 2022 15:39

Tgt Ion:180	Resp:	59048
Ion Ratio	Lower	Upper
180	100	
182	92.9	77.5 116.3
145	30.5	26.2 39.4

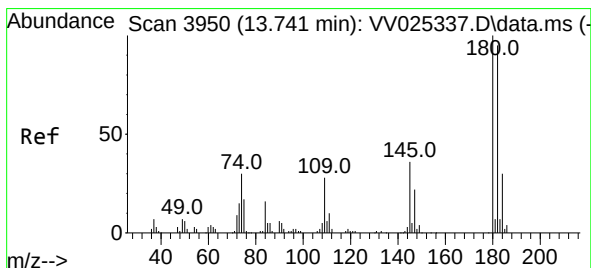
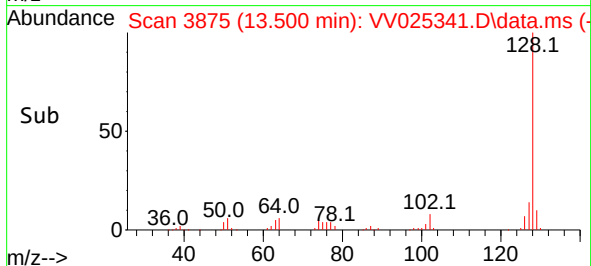
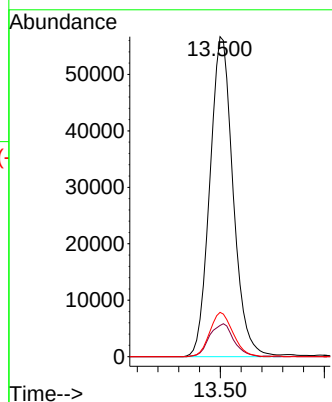
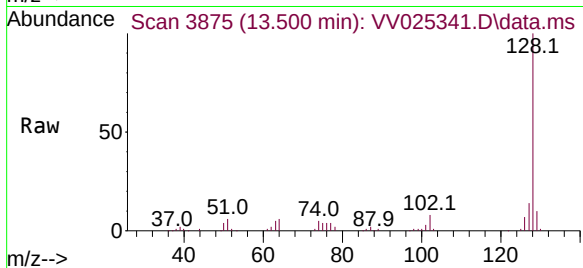




#71
Naphthalene
Concen: 4.815 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD005363

Tgt Ion:	128	Resp:	88103
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	13.8	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 5.260 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV025341.D
Acq: 01 Apr 2022 15:39

Tgt Ion:	180	Resp:	53218
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.8	113.6
145	32.4	28.6	42.8

