

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101122\
 Data File : VW028523.D
 Acq On : 11 Oct 2022 16:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050358

Quant Time: Oct 12 00:30:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 12 00:26:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	299662	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	267917	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	146985	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	103945	44.955	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.900%
7) Chloroethane-d5	1.564	69	80154	43.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.440%
11) 1,1-Dichloroethene-d2	2.105	63	186666	47.435	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.860%
21) 2-Butanone-d5	3.886	46	167804	82.903	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.900%
24) Chloroform-d	4.336	84	226300	53.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.720%
26) 1,2-Dichloroethane-d4	5.021	65	150544	55.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.100%
32) Benzene-d6	5.040	84	442538	51.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.100%
36) 1,2-Dichloropropane-d6	6.059	67	132682	47.402	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.800%
41) Toluene-d8	7.307	98	407959	53.077	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.160%
43) trans-1,3-Dichloroprop...	7.612	79	73879	51.783	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.560%
47) 2-Hexanone-d5	8.082	63	129974	85.361	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.360%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	166865	43.565	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.120%
66) 1,2-Dichlorobenzene-d4	11.615	152	157872	51.836	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	136623	60.554	ug/L	100
3) Chloromethane	1.240	50	103556	40.770	ug/L	100
5) Vinyl chloride	1.307	62	107657	42.234	ug/L	98
6) Bromomethane	1.519	94	52740	45.376	ug/L	97
8) Chloroethane	1.580	64	65571	42.376	ug/L	95
9) Trichlorofluoromethane	1.748	101	181635	57.658	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	89713	50.248	ug/L	93
12) 1,1-Dichloroethene	2.111	96	86845	49.548	ug/L	95
13) Acetone	2.188	43	150348	95.888	ug/L	96
14) Carbon disulfide	2.288	76	284003	50.666	ug/L	99
15) Methyl Acetate	2.433	43	122515	46.278	ug/L	96
16) Methylene chloride	2.500	84	130467	57.279	ug/L	96
17) trans-1,2-Dichloroethene	2.751	96	111617	54.596	ug/L	93
18) Methyl tert-butyl Ether	2.760	73	422890	56.269	ug/L	97
19) 1,1-Dichloroethane	3.178	63	215955	51.710	ug/L	98
20) cis-1,2-Dichloroethene	3.899	96	128824	55.313	ug/L	94
22) 2-Butanone	3.969	43	204237	98.807	ug/L	91
23) Bromochloromethane	4.233	128	65541	57.907	ug/L	85
25) Chloroform	4.362	83	228376	56.014	ug/L	98

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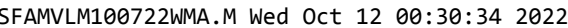
Instrument :
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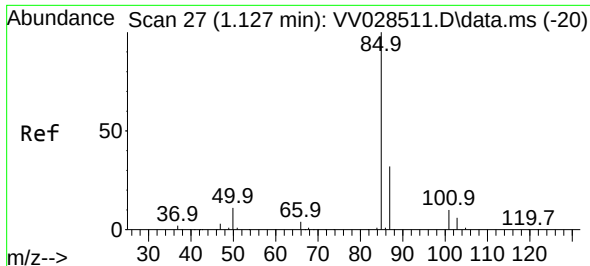
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	186685	59.761	ug/L	98
29) Cyclohexane	4.664	56	192132	49.858	ug/L	93
30) 1,1,1-Trichloroethane	4.596	97	211145	61.006	ug/L	98
31) Carbon tetrachloride	4.818	117	185447	64.008	ug/L	98
33) Benzene	5.088	78	474921	53.897	ug/L	100
34) Trichloroethene	5.905	95	119327	54.589	ug/L	93
35) Methylcyclohexane	6.120	83	205571	54.093	ug/L	96
37) 1,2-Dichloropropane	6.165	63	119760	50.695	ug/L	99
38) Bromodichloromethane	6.500	83	173215	56.281	ug/L	99
39) cis-1,3-Dichloropropene	7.018	75	206629	54.981	ug/L	96
40) 4-Methyl-2-pentanone	7.220	43	380628	94.471	ug/L	98
42) Toluene	7.378	91	503171	55.400	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	199318	55.260	ug/L	100
45) 1,1,2-Trichloroethane	7.828	97	117851	53.860	ug/L	97
46) Tetrachloroethene	7.966	164	95200	60.611	ug/L	96
48) 2-Hexanone	8.130	43	296663	95.913	ug/L	98
49) Dibromochloromethane	8.236	129	132695	56.419	ug/L	99
50) 1,2-Dibromoethane	8.342	107	117562	51.890	ug/L	99
51) Chlorobenzene	8.873	112	321068	56.343	ug/L	95
52) Ethylbenzene	9.001	91	546579	55.214	ug/L	99
53) m,p-Xylene	9.130	106	212248	56.567	ug/L	98
54) o-Xylene	9.532	106	209946	55.882	ug/L	98
55) Styrene	9.551	104	363910	56.404	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.233	83	180291	48.113	ug/L #	99
59) Bromoform	9.722	173	95857	52.663	ug/L	99
60) Isopropylbenzene	9.921	105	566416	53.478	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	144835	46.286	ug/L	96
62) 1,3,5-Trimethylbenzene	10.529	105	493680	53.817	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	489985	53.813	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	259241	55.961	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	259133	56.059	ug/L	97
67) 1,2-Dichlorobenzene	11.632	146	258203	55.224	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.416	75	45146	47.146	ug/L	99
69) 1,3,5-Trichlorobenzene	12.635	180	206569	58.710	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	183159	59.060	ug/L	99
71) Naphthalene	13.490	128	518476	53.751	ug/L	100
72) 1,2,3-Trichlorobenzene	13.731	180	180695	59.762	ug/L	98

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

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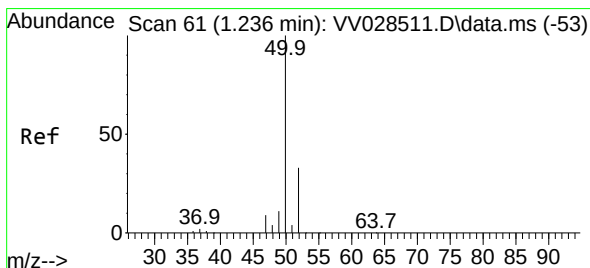
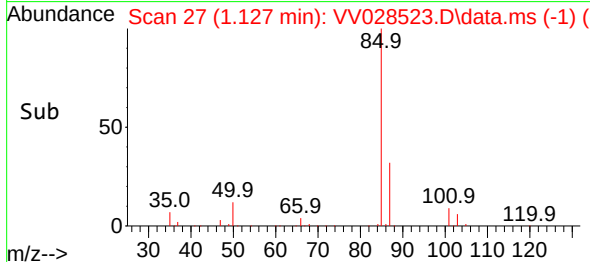
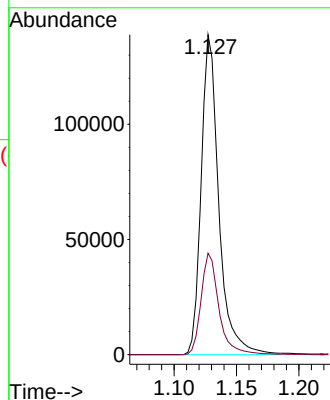
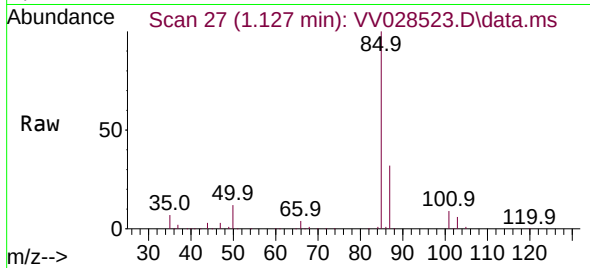




#2
 Dichlorodifluoromethane
 Concen: 60.554 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV028523.D
 Acq: 11 Oct 2022 16:04

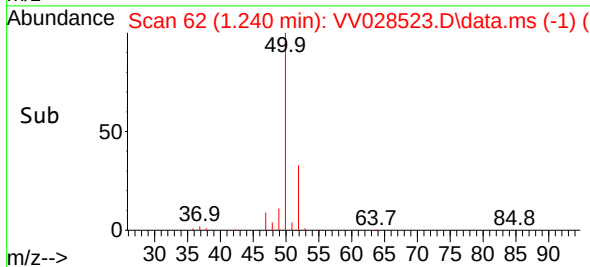
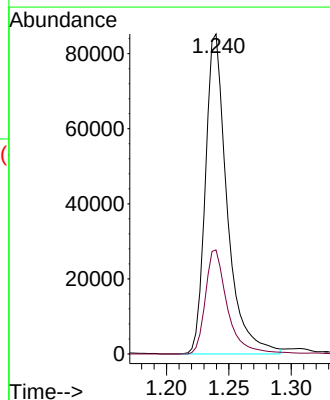
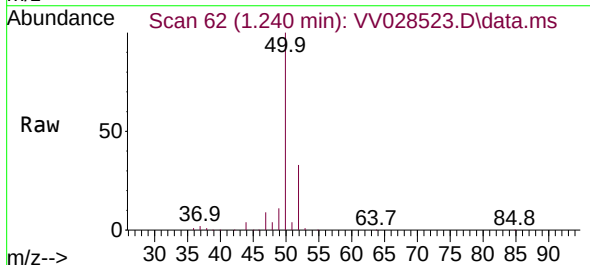
Instrument :
 MSVOA_V
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 VSTD050358

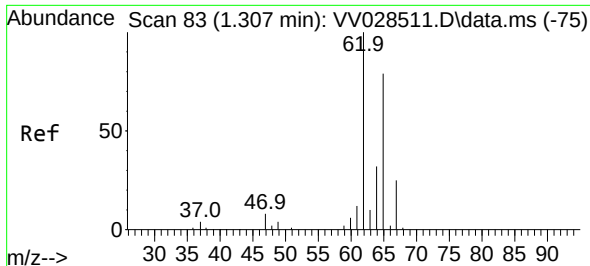
Tgt Ion: 85 Resp: 136623
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.9 38.9



#3
 Chloromethane
 Concen: 40.770 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.003 min
 Lab File: VV028523.D
 Acq: 11 Oct 2022 16:04

Tgt Ion: 50 Resp: 103556
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.7 42.3

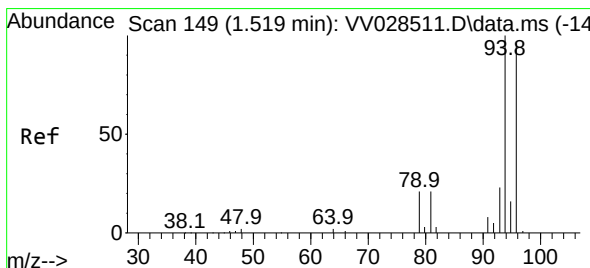
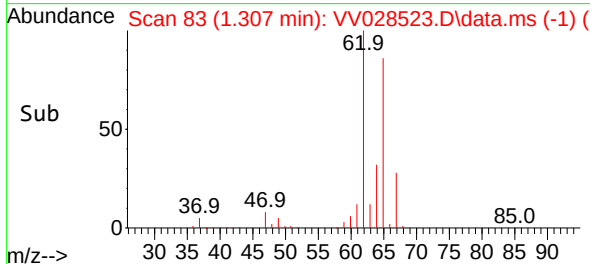
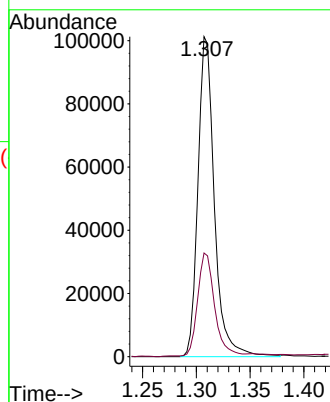
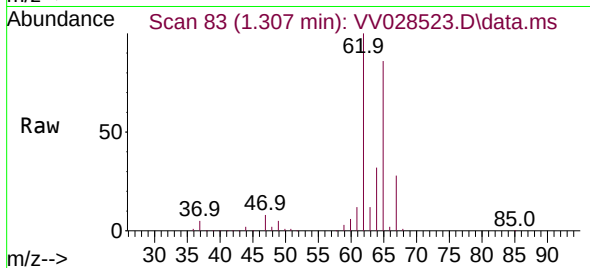




#5
 Vinyl chloride
 Concen: 42.234 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV028523.D
 Acq: 11 Oct 2022 16:04

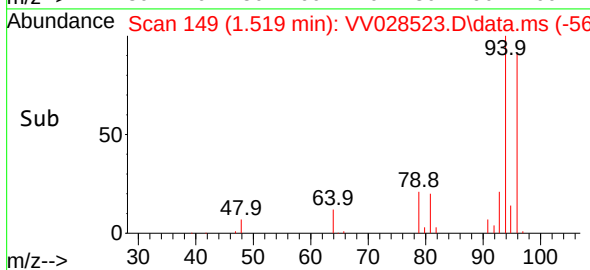
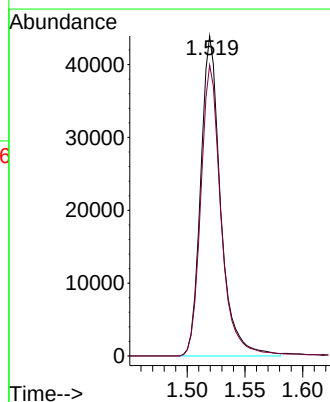
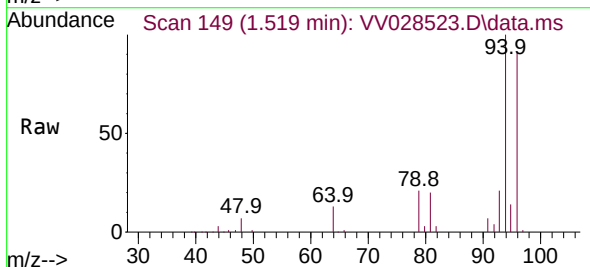
Instrument :
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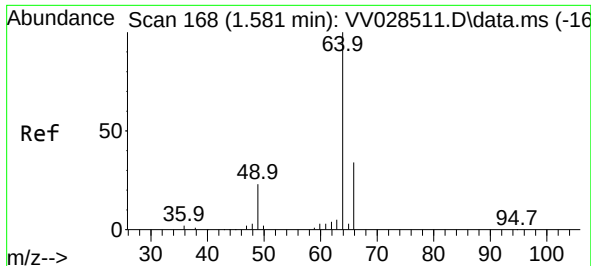
Tgt Ion: 62 Resp: 107657
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.3 43.3



#6
 Bromomethane
 Concen: 45.376 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV028523.D
 Acq: 11 Oct 2022 16:04

Tgt Ion: 94 Resp: 52740
 Ion Ratio Lower Upper
 94 100
 96 90.9 65.5 121.6

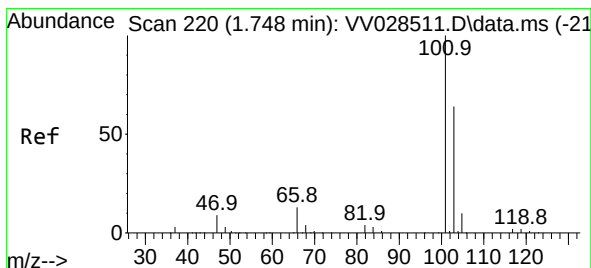
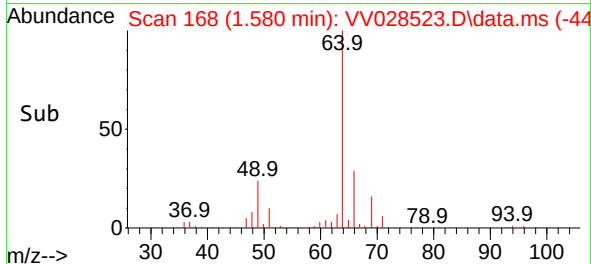
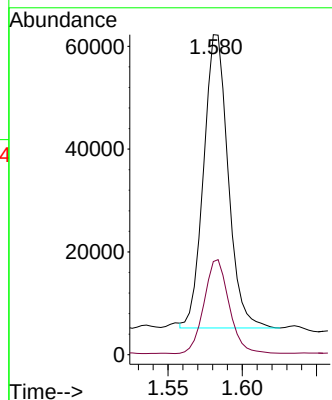
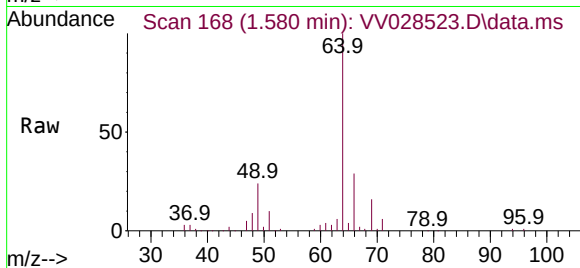




#8
Chloroethane
Concen: 42.376 ug/L
RT: 1.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

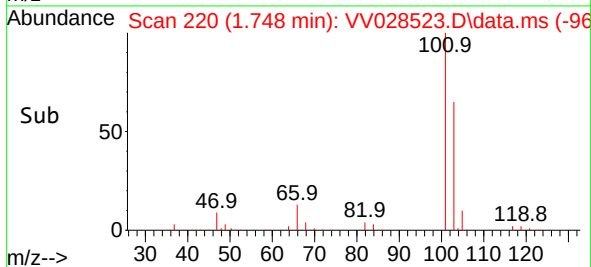
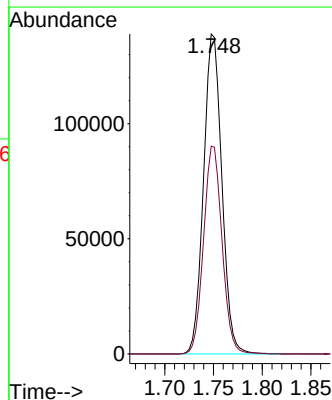
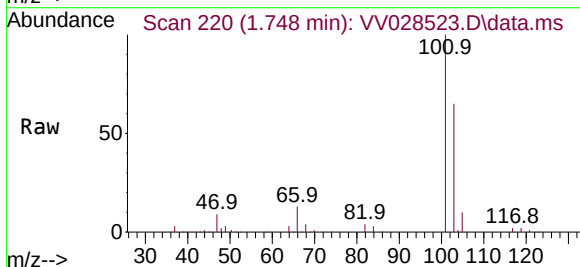
Instrument :
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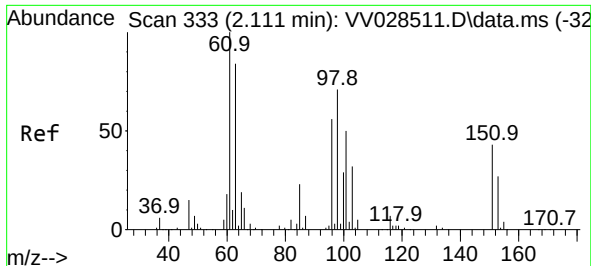
Tgt Ion: 64 Resp: 65571
Ion Ratio Lower Upper
64 100
66 29.1 22.2 41.2



#9
Trichlorofluoromethane
Concen: 57.658 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion:101 Resp: 181635
Ion Ratio Lower Upper
101 100
103 65.5 50.7 76.1

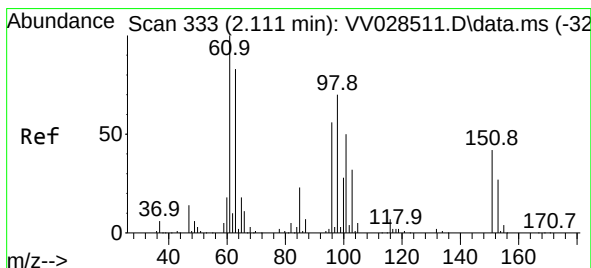
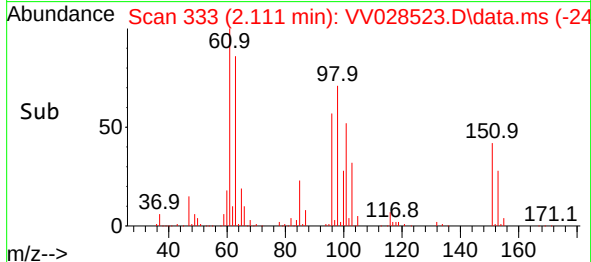
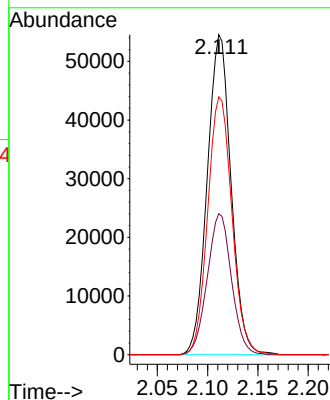
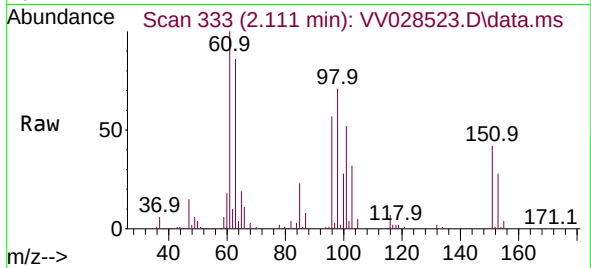




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.248 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.000 min
 Lab File: VV028523.D
 Acq: 11 Oct 2022 16:04

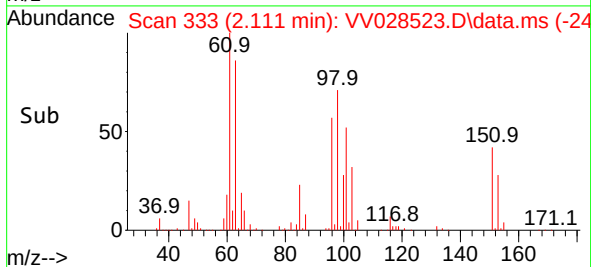
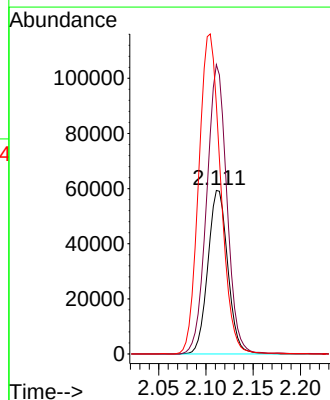
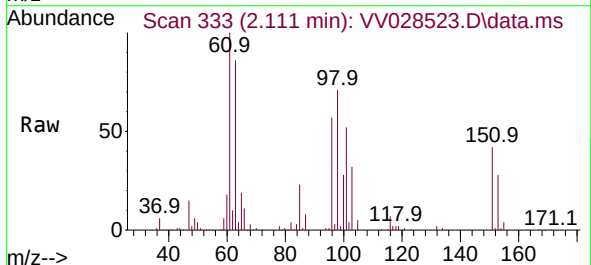
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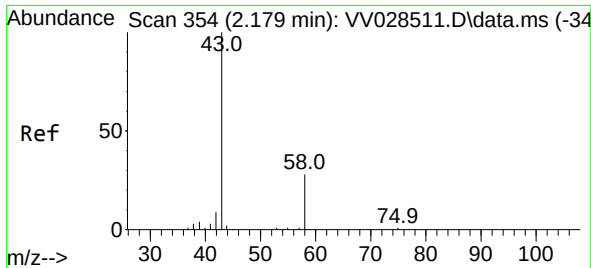
Tgt Ion:101 Resp: 89713
 Ion Ratio Lower Upper
 101 100
 85 44.7 34.9 52.3
 151 82.0 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 49.548 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.000 min
 Lab File: VV028523.D
 Acq: 11 Oct 2022 16:04

Tgt Ion: 96 Resp: 86845
 Ion Ratio Lower Upper
 96 100
 61 176.9 125.6 233.2
 63 152.7 100.0 185.6





#13

Acetone

Concen: 95.888 ug/L

RT: 2.188 min Scan# 354

Delta R.T. 0.010 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

Instrument :

MSVOA_V

ClientSampleId :

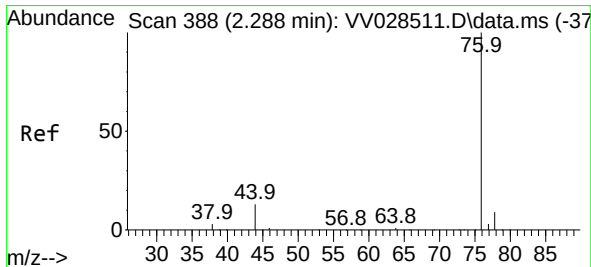
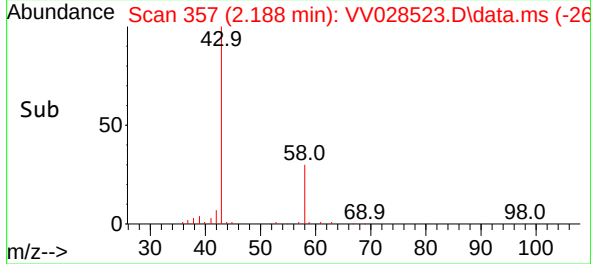
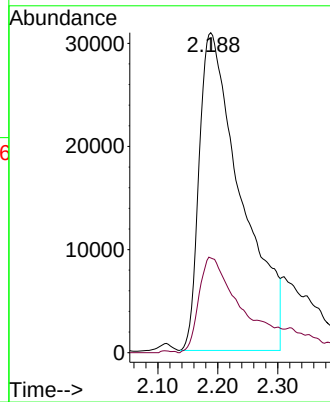
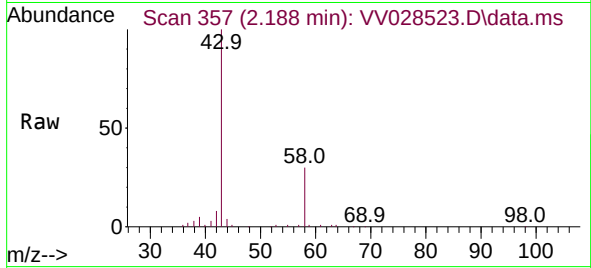
VSTD050358

Tgt Ion: 43 Resp: 150348

Ion Ratio Lower Upper

43 100

58 25.7 0.0 47.0



#14

Carbon disulfide

Concen: 50.666 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.000 min

Lab File: VV028523.D

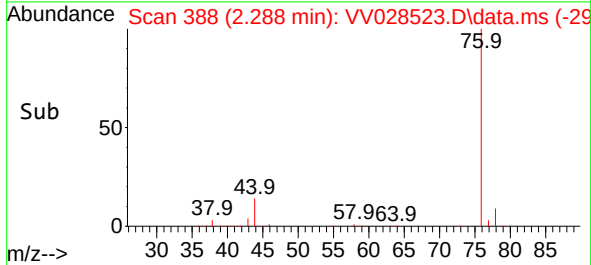
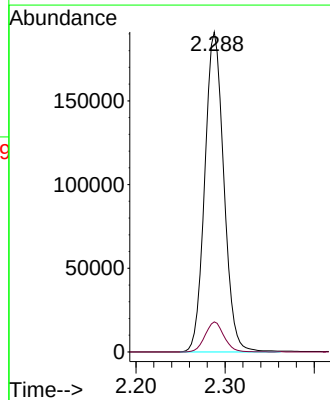
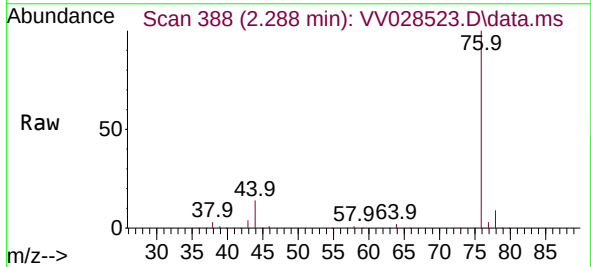
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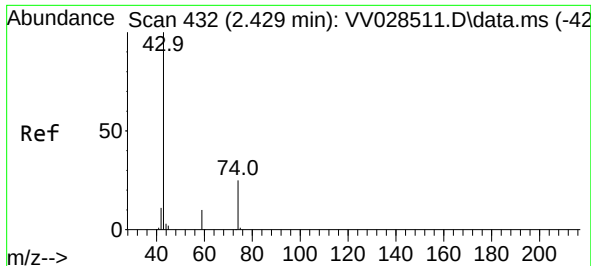
Tgt Ion: 76 Resp: 284003

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

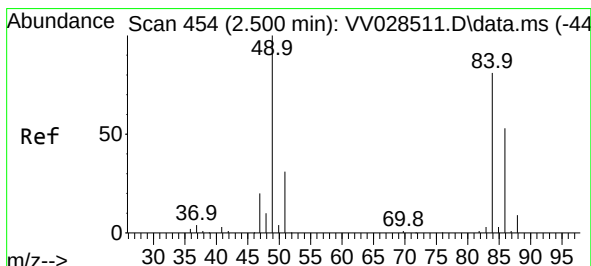
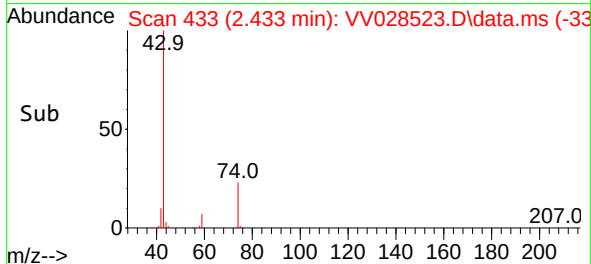
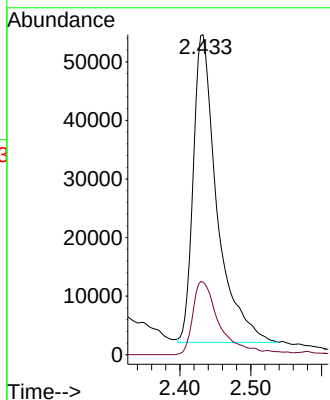
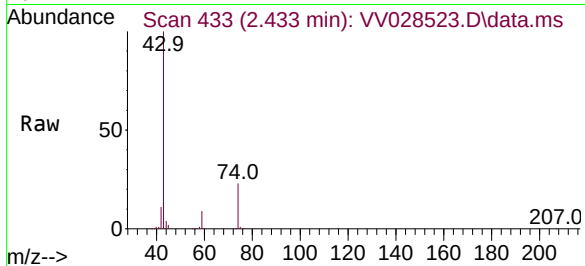




#15
Methyl Acetate
Concen: 46.278 ug/L
RT: 2.433 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

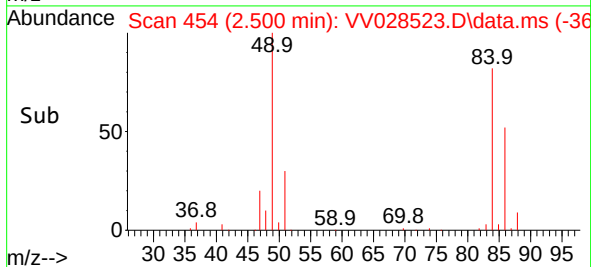
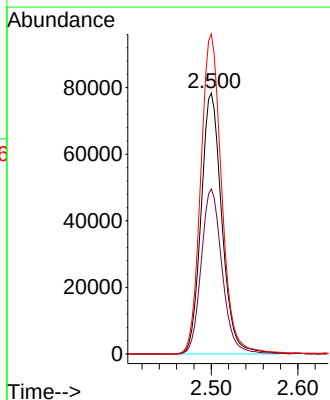
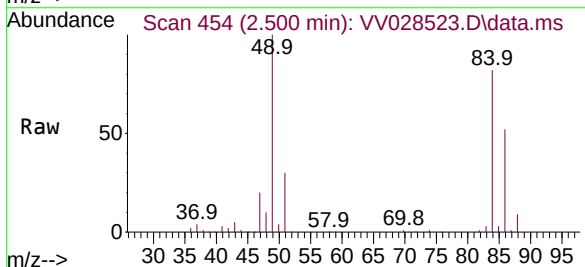
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

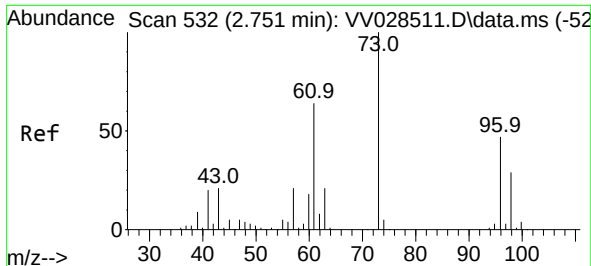
Tgt Ion: 43 Resp: 122515
Ion Ratio Lower Upper
43 100
74 25.6 18.8 28.2



#16
Methylene chloride
Concen: 57.279 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 84 Resp: 130467
Ion Ratio Lower Upper
84 100
86 63.2 44.2 82.2
49 122.7 90.5 168.1

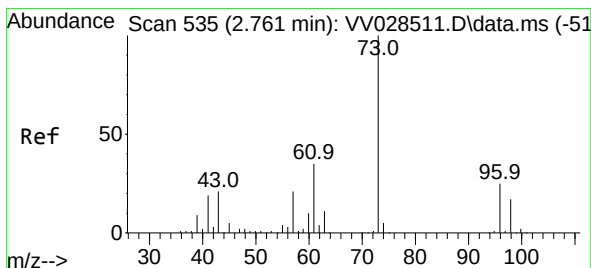
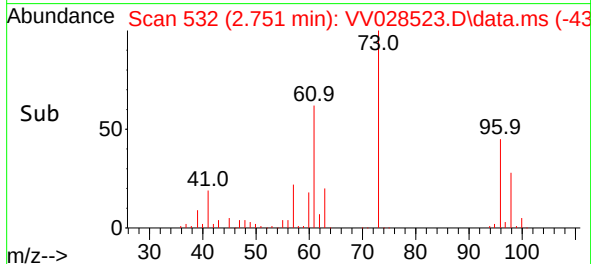
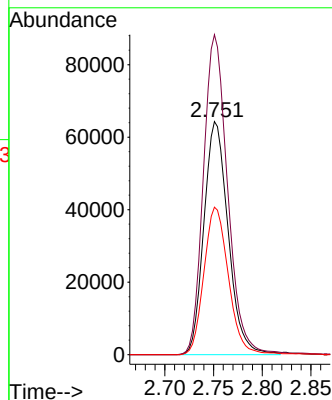
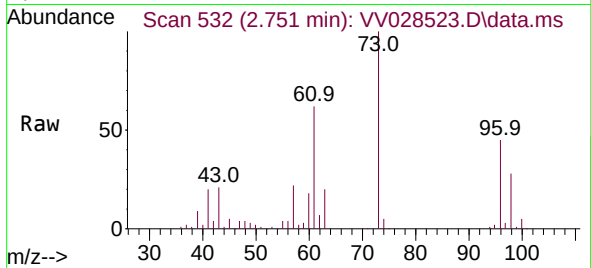




#17
trans-1,2-Dichloroethene
Concen: 54.596 ug/L
RT: 2.751 min Scan# 511
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

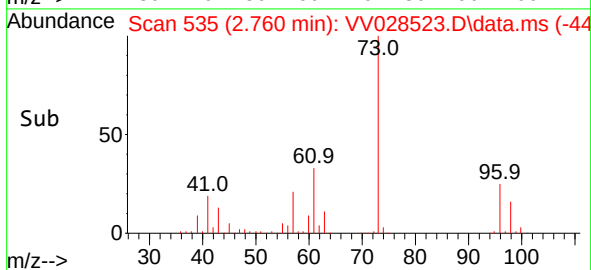
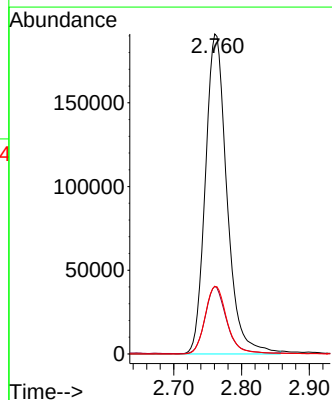
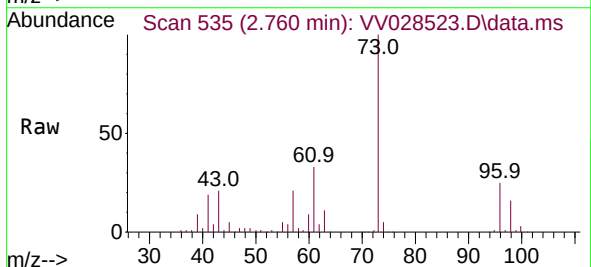
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

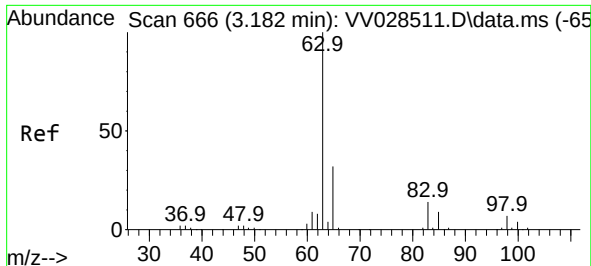
Tgt Ion: 96 Resp: 111617
Ion Ratio Lower Upper
96 100
61 137.3 104.8 194.6
98 63.3 44.5 82.7



#18
Methyl tert-butyl Ether
Concen: 56.269 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 73 Resp: 422890
Ion Ratio Lower Upper
73 100
43 20.7 15.6 23.4
57 21.4 18.2 27.4





#19

1,1-Dichloroethane

Concen: 51.710 ug/L

RT: 3.178 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050358

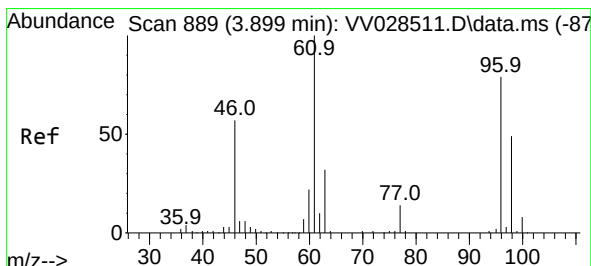
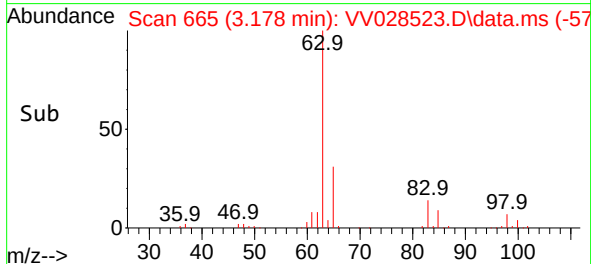
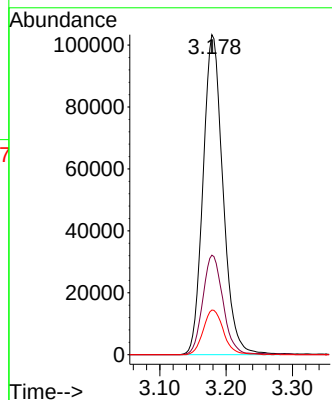
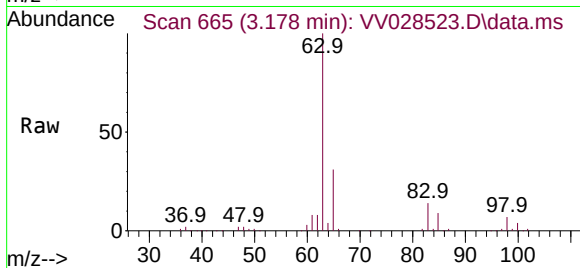
Tgt Ion: 63 Resp: 215955

Ion Ratio Lower Upper

63 100

65 31.1 22.6 42.0

83 13.9 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 55.313 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.000 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

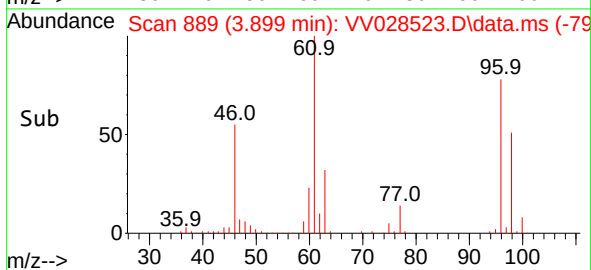
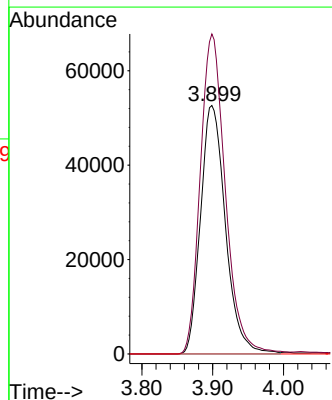
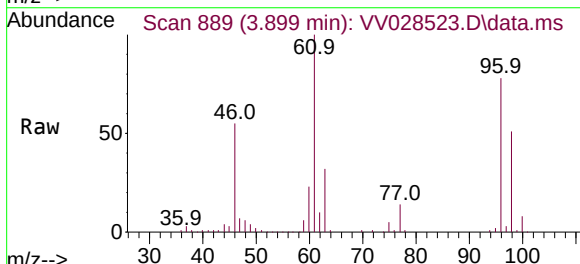
Tgt Ion: 96 Resp: 128824

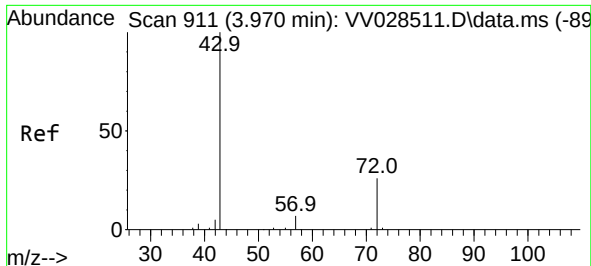
Ion Ratio Lower Upper

96 100

61 128.7 95.0 176.4

68 0.0 0.0 0.0

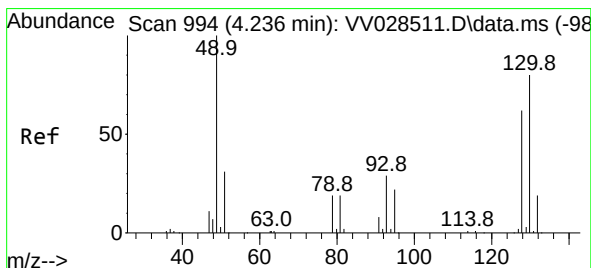
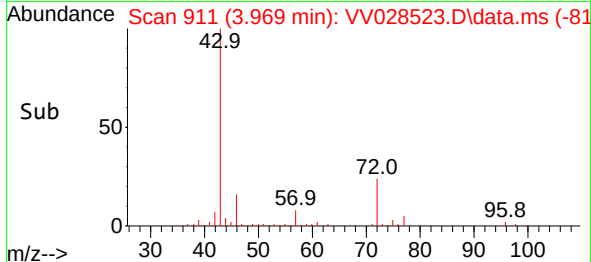
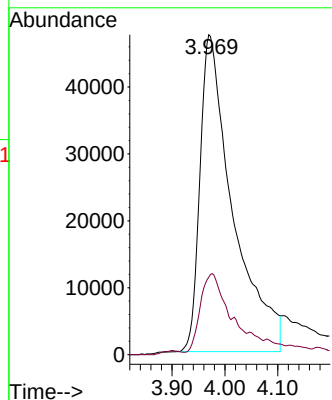
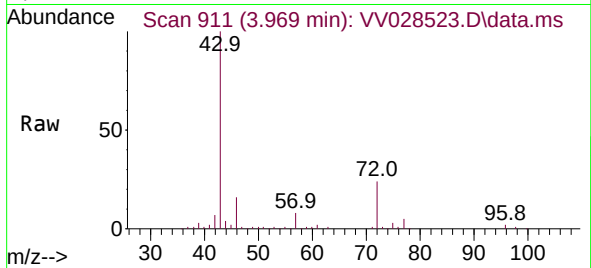




#22
2-Butanone
Concen: 98.807 ug/L
RT: 3.969 min Scan# 911
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

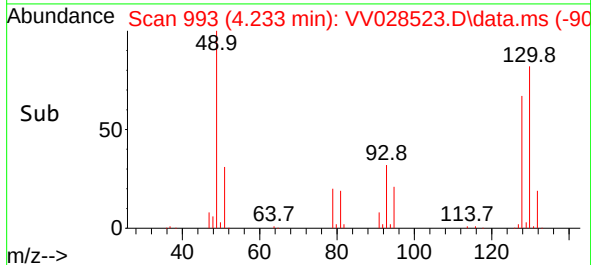
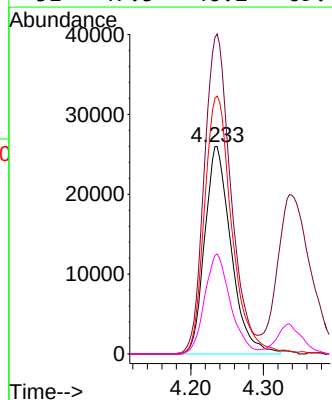
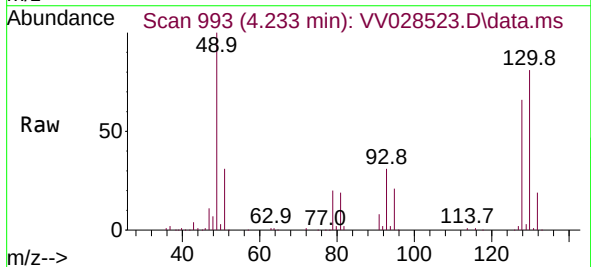
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

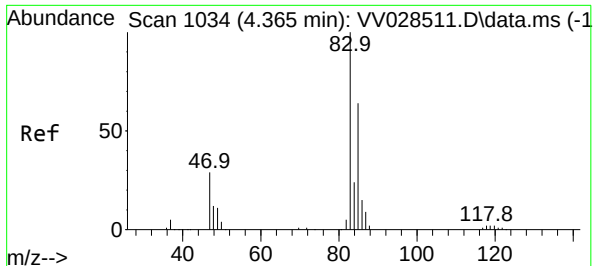
Tgt Ion: 43 Resp: 204237
Ion Ratio Lower Upper
43 100
72 17.6 11.1 33.1



#23
Bromochloromethane
Concen: 57.907 ug/L
RT: 4.233 min Scan# 993
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 128 Resp: 65541
Ion Ratio Lower Upper
128 100
49 152.6 130.6 242.6
130 123.3 90.0 167.2
51 47.5 46.2 69.4





#25

Chloroform

Concen: 56.014 ug/L

RT: 4.362 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

Instrument :

MSVOA_V

ClientSampleId :

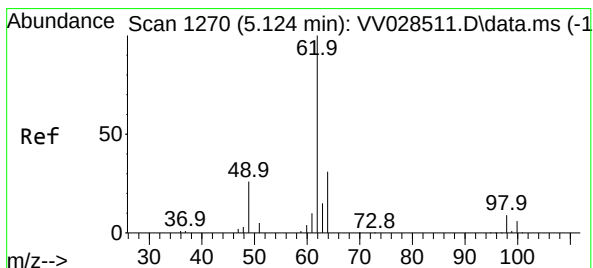
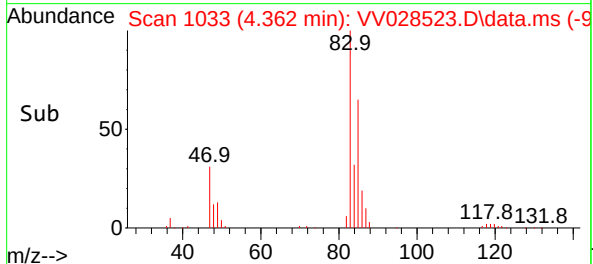
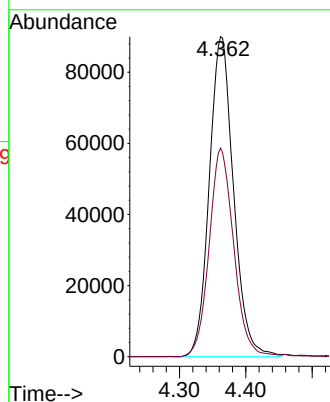
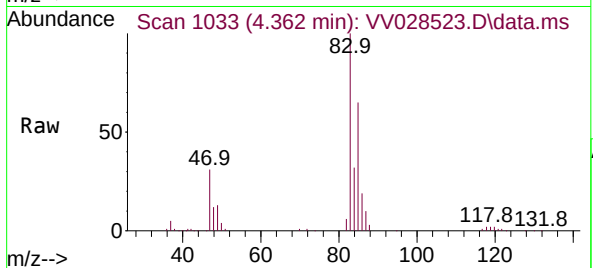
VSTD050358

Tgt Ion: 83 Resp: 228376

Ion Ratio Lower Upper

83 100

85 65.2 44.5 82.7



#27

1,2-Dichloroethane

Concen: 59.761 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV028523.D

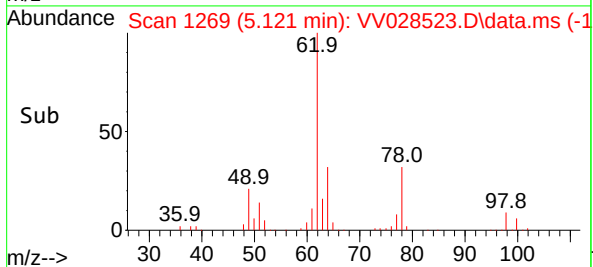
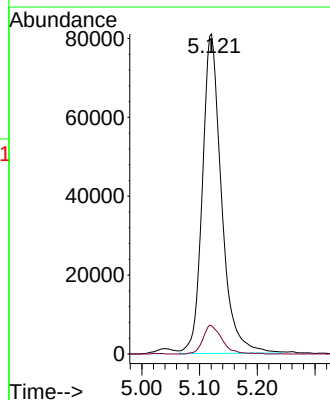
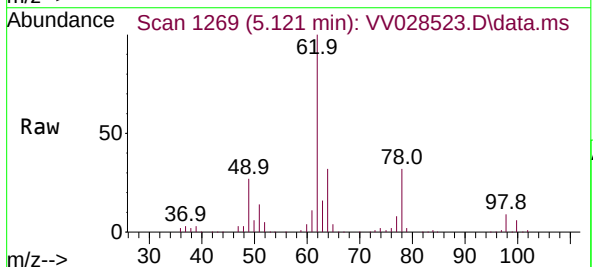
Acq: 11 Oct 2022 16:04

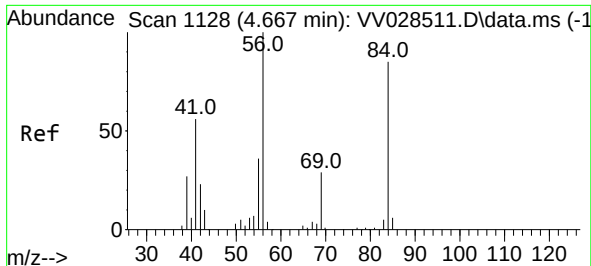
Tgt Ion: 62 Resp: 186685

Ion Ratio Lower Upper

62 100

98 8.9 7.6 11.4

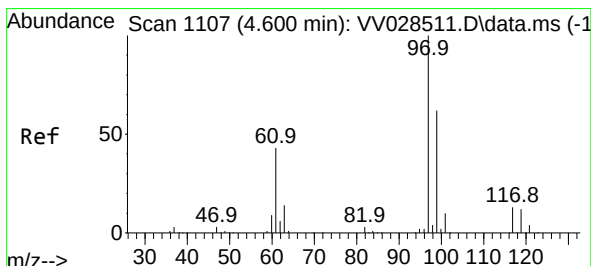
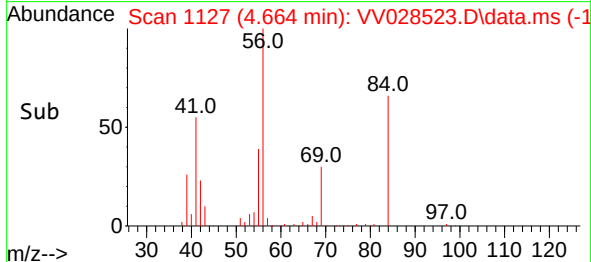
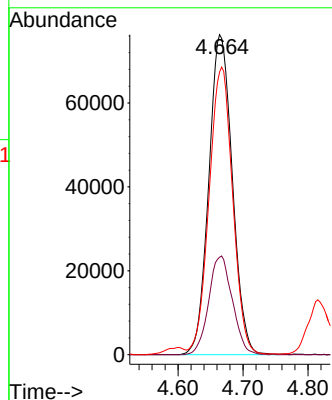
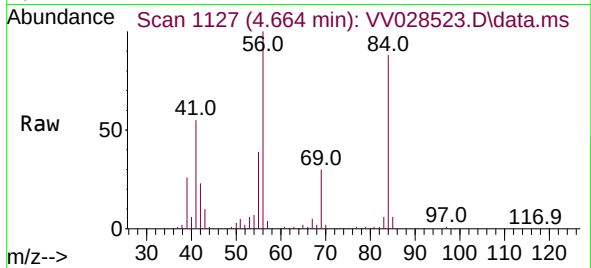




#29
Cyclohexane
Concen: 49.858 ug/L
RT: 4.664 min Scan# 1127
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

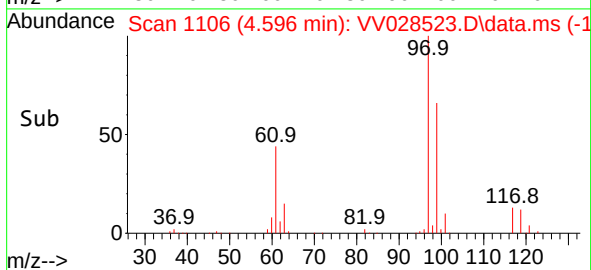
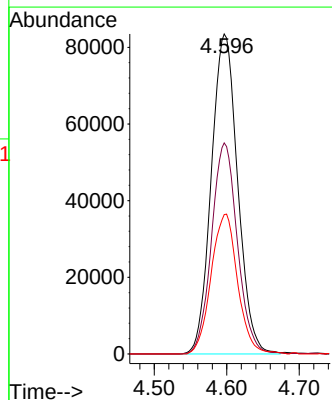
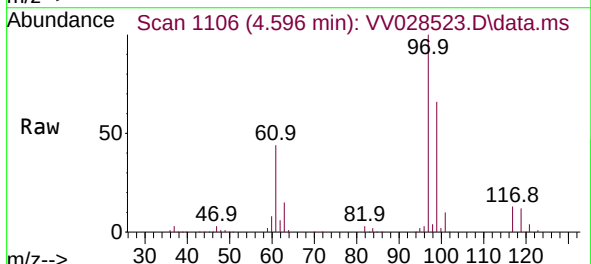
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

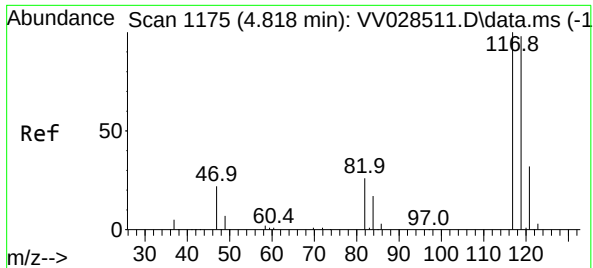
Tgt Ion: 56 Resp: 192132
Ion Ratio Lower Upper
56 100
69 30.9 23.0 34.6
84 89.6 65.8 98.8



#30
1,1,1-Trichloroethane
Concen: 61.006 ug/L
RT: 4.596 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 97 Resp: 211145
Ion Ratio Lower Upper
97 100
99 64.5 50.2 75.2
61 43.9 35.8 53.6

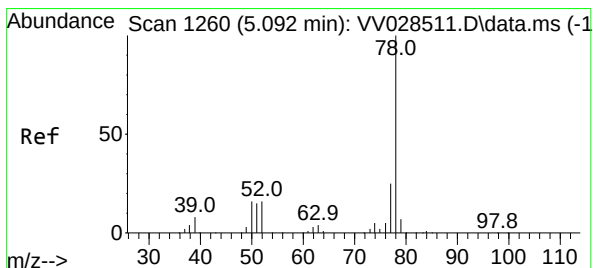
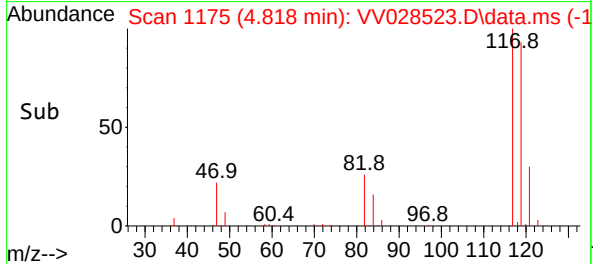
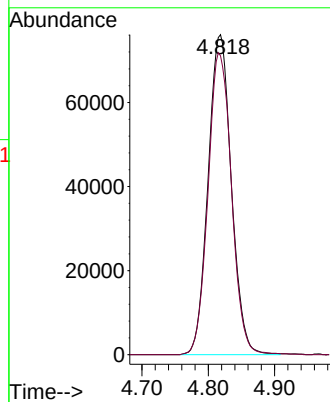
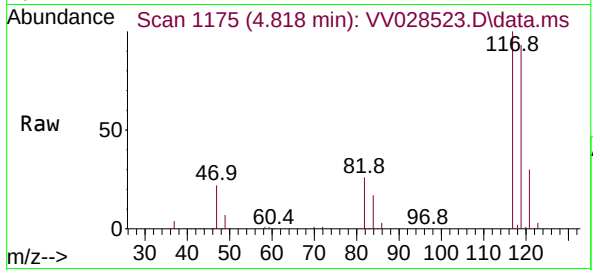




#31
Carbon tetrachloride
Concen: 64.008 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

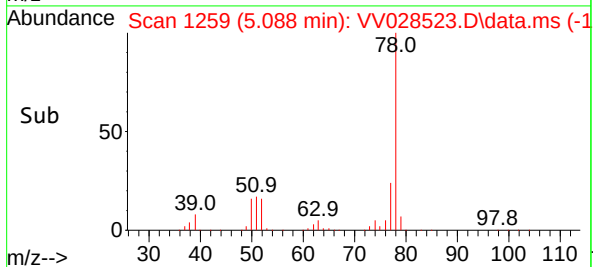
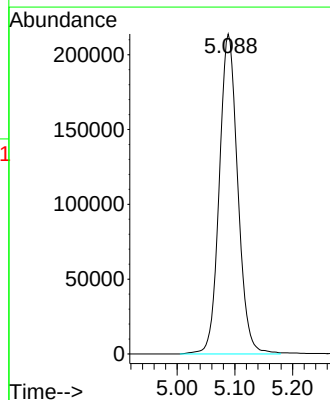
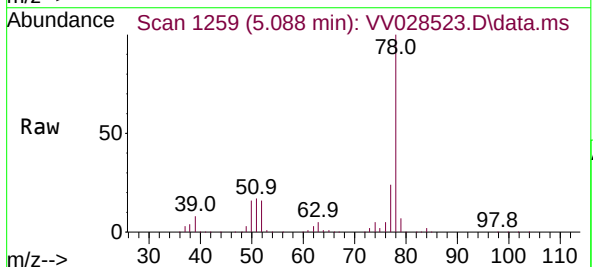
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

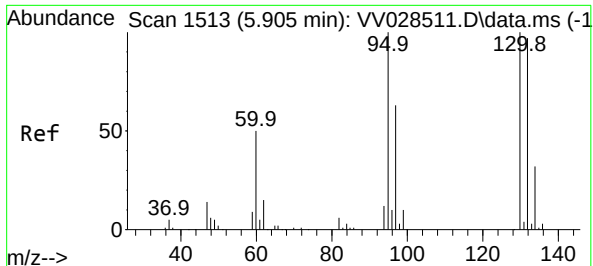
Tgt Ion:117 Resp: 185447
Ion Ratio Lower Upper
117 100
119 95.1 78.0 117.0



#33
Benzene
Concen: 53.897 ug/L
RT: 5.088 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 78 Resp: 474921

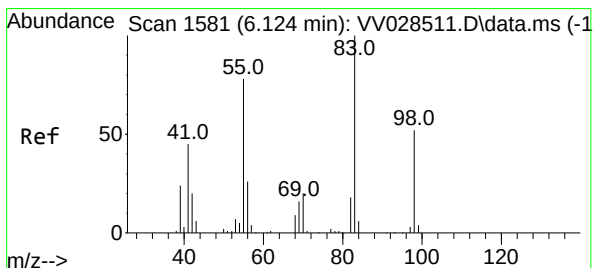
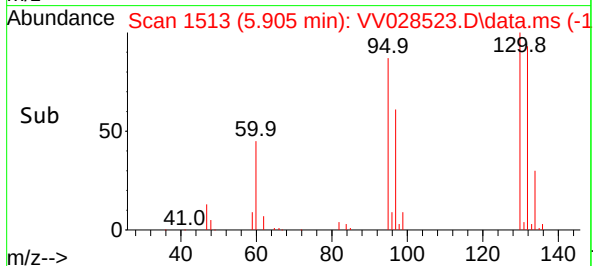
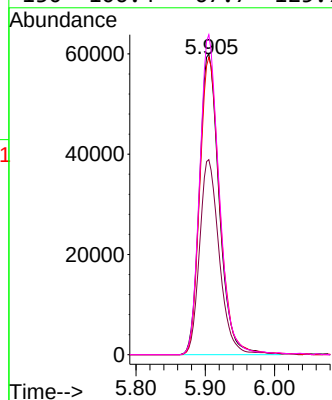
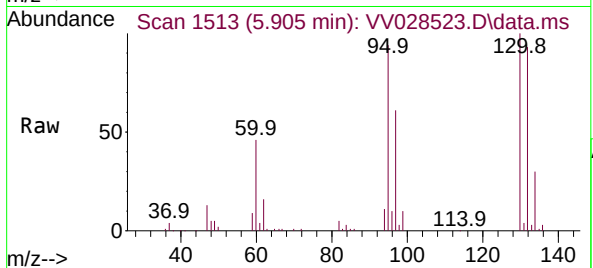




#34
Trichloroethene
Concen: 54.589 ug/L
RT: 5.905 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

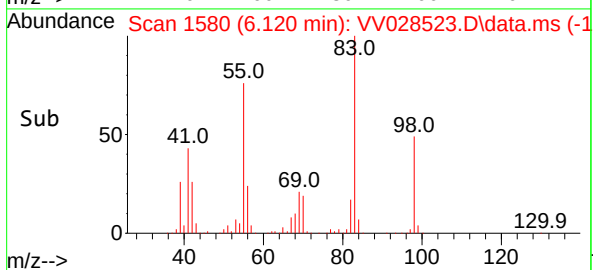
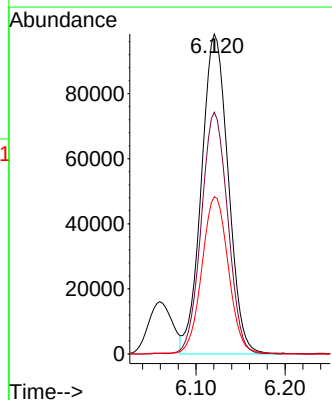
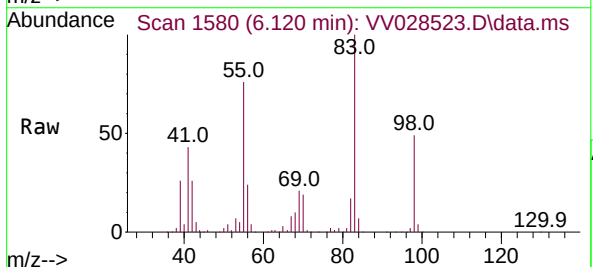
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

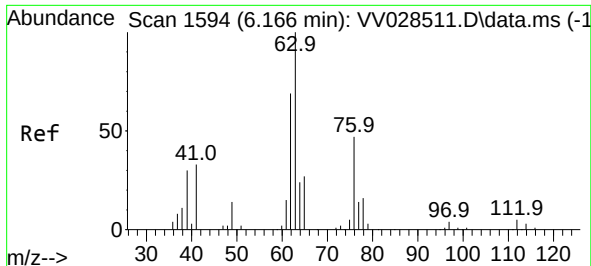
Tgt Ion: 95 Resp: 119327
Ion Ratio Lower Upper
95 100
97 64.8 44.4 82.4
132 98.9 64.3 119.5
130 106.4 67.7 125.7



#35
Methylcyclohexane
Concen: 54.093 ug/L
RT: 6.120 min Scan# 1580
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 83 Resp: 205571
Ion Ratio Lower Upper
83 100
55 74.6 63.7 95.5
98 48.7 38.2 57.2

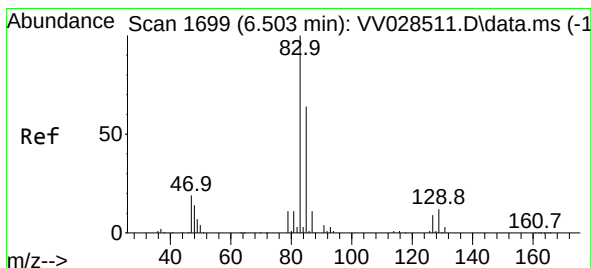
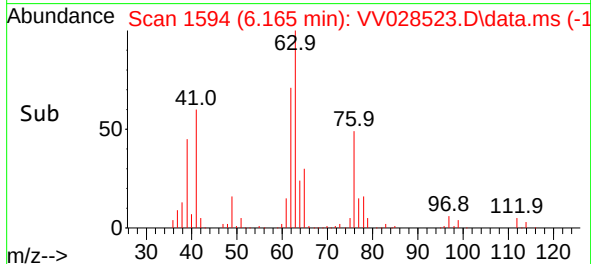
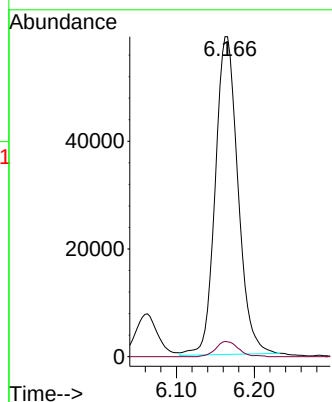
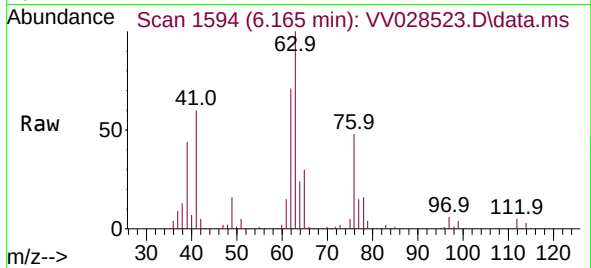




#37
1,2-Dichloropropane
Concen: 50.695 ug/L
RT: 6.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

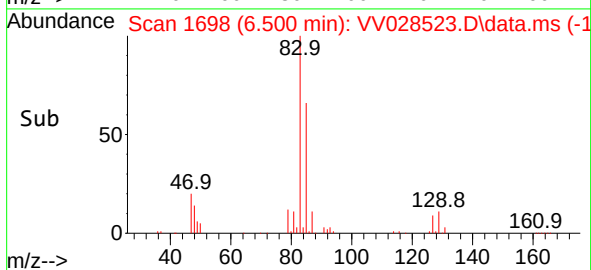
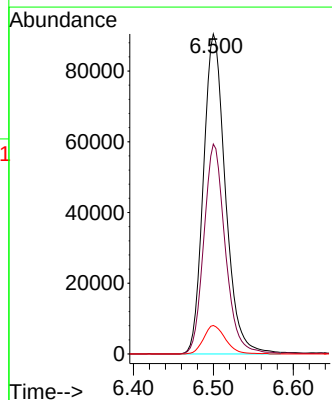
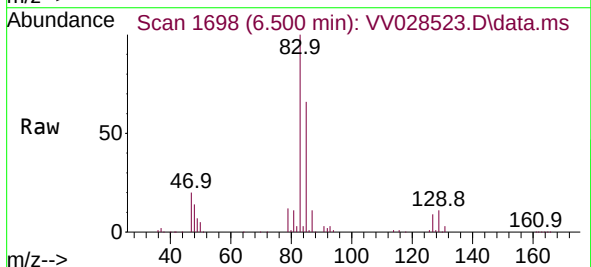
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

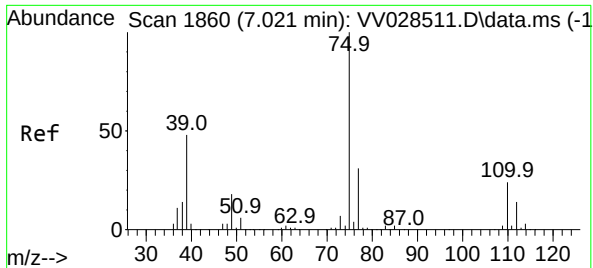
Tgt Ion: 63 Resp: 119760
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



#38
Bromodichloromethane
Concen: 56.281 ug/L
RT: 6.500 min Scan# 1698
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 83 Resp: 173215
Ion Ratio Lower Upper
83 100
85 65.6 45.1 83.7
127 8.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 54.981 ug/L

RT: 7.018 min Scan# 1860

Delta R.T. -0.003 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

Instrument :

MSVOA_V

ClientSampleId :

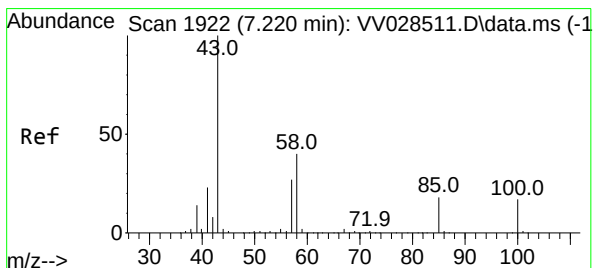
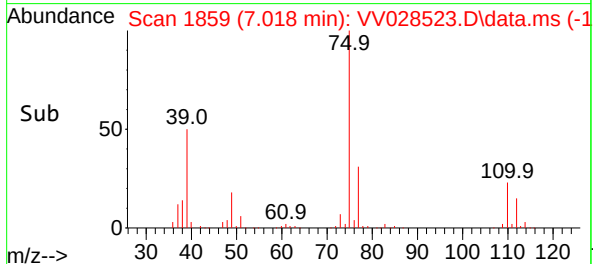
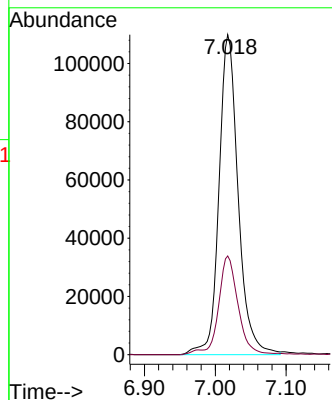
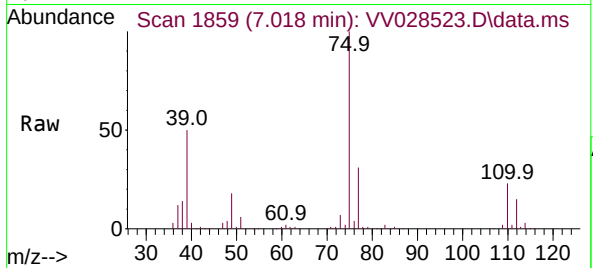
VSTD050358

Tgt Ion: 75 Resp: 206629

Ion Ratio Lower Upper

75 100

77 30.9 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 94.471 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.000 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

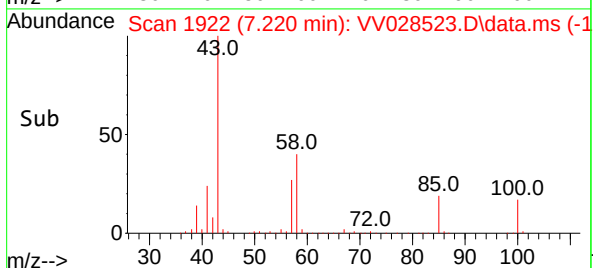
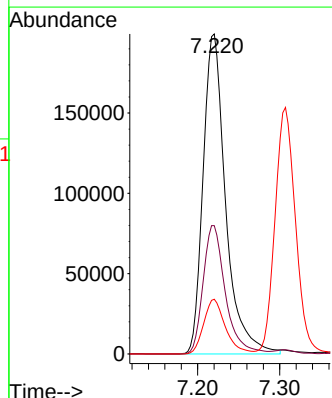
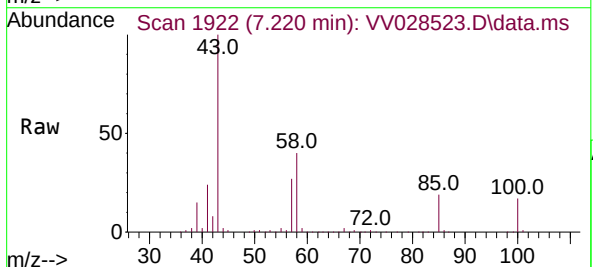
Tgt Ion: 43 Resp: 380628

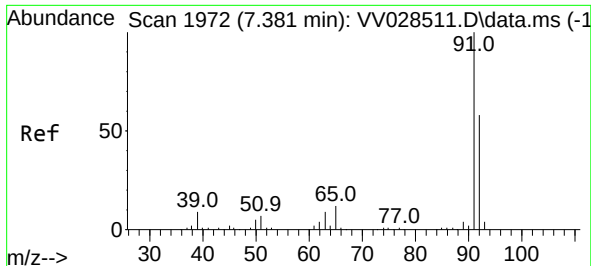
Ion Ratio Lower Upper

43 100

58 39.6 31.3 46.9

100 16.5 11.5 17.3





#42

Toluene

Concen: 55.400 ug/L

RT: 7.378 min Scan# 1972

Delta R.T. -0.003 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

Instrument :

MSVOA_V

ClientSampleId :

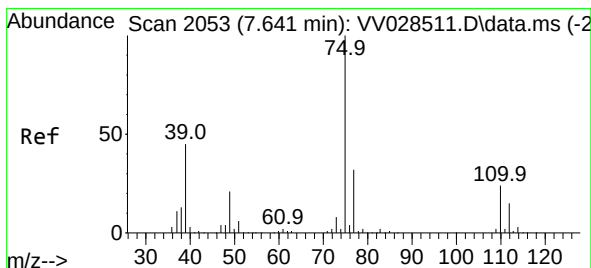
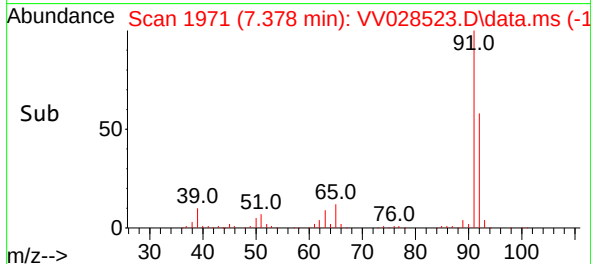
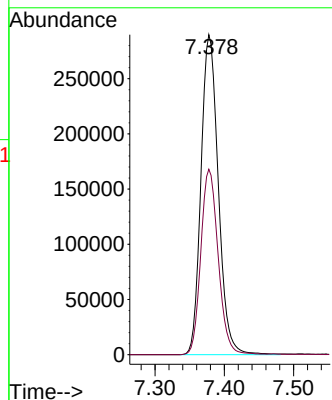
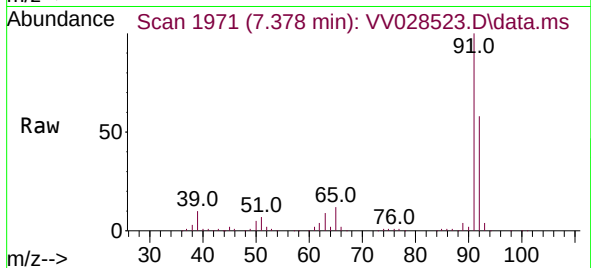
VSTD050358

Tgt Ion: 91 Resp: 503171

Ion Ratio Lower Upper

91 100

92 58.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 55.260 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VV028523.D

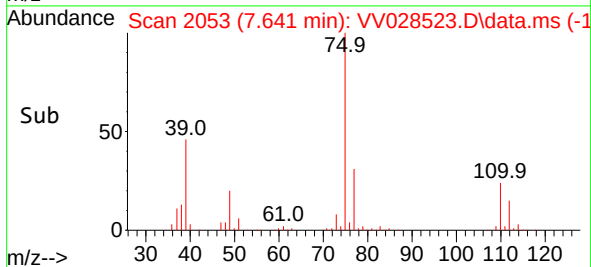
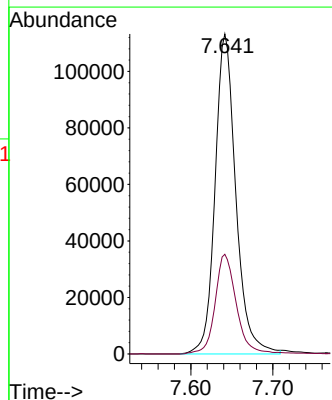
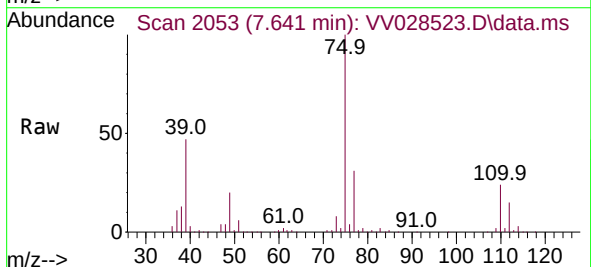
Acq: 11 Oct 2022 16:04

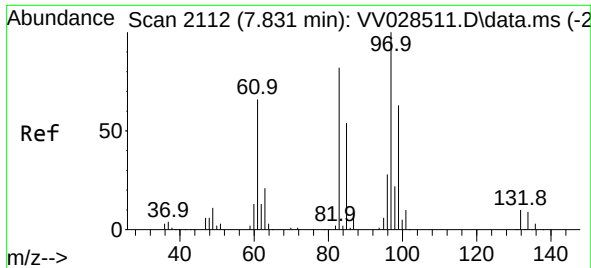
Tgt Ion: 75 Resp: 199318

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



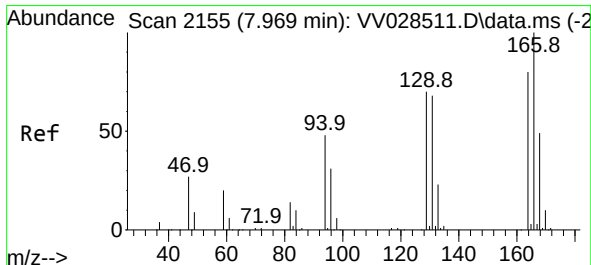
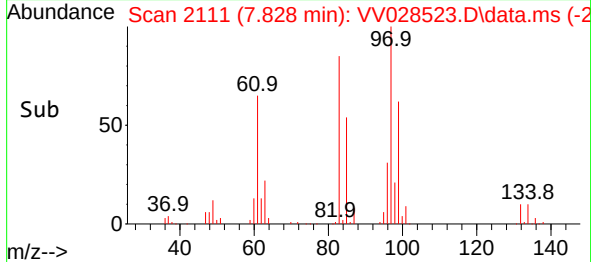
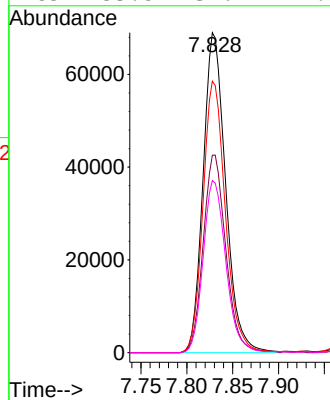
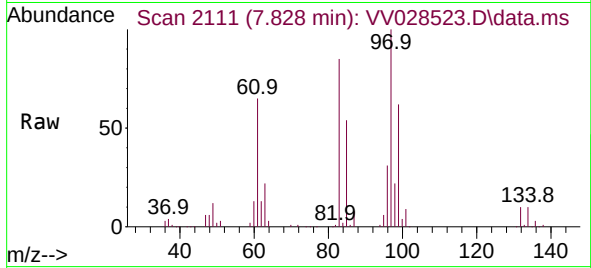


#45
1,1,2-Trichloroethane
Concen: 53.860 ug/L
RT: 7.828 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

Tgt Ion: 97 Resp: 117851

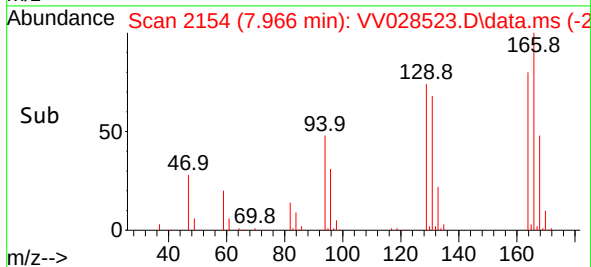
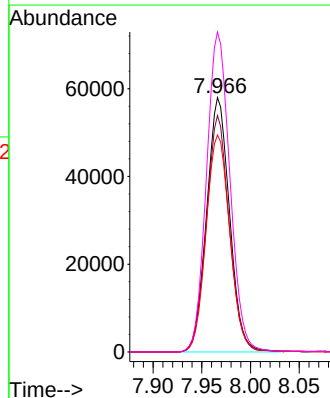
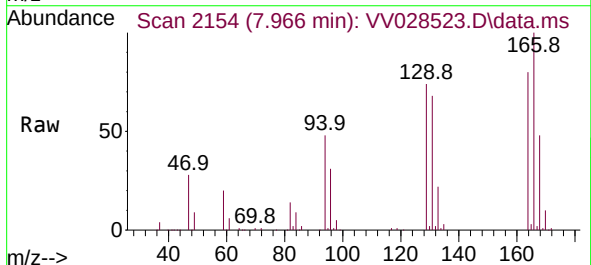
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.9	81.5
83	84.9	61.9	114.9
85	53.8	39.1	72.5

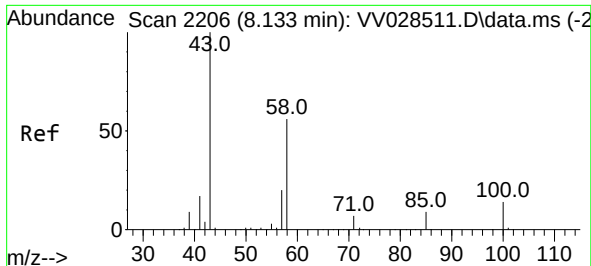


#46
Tetrachloroethene
Concen: 60.611 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 164 Resp: 95200

Ion	Ratio	Lower	Upper
164	100		
129	92.9	67.4	125.2
131	85.2	65.2	121.2
166	125.8	88.5	164.4

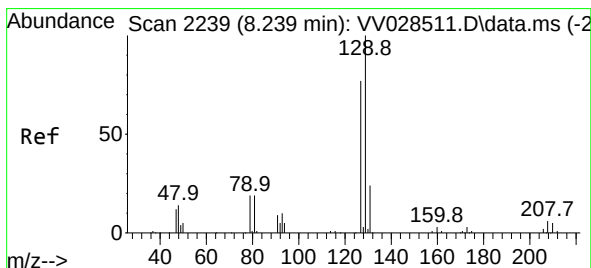
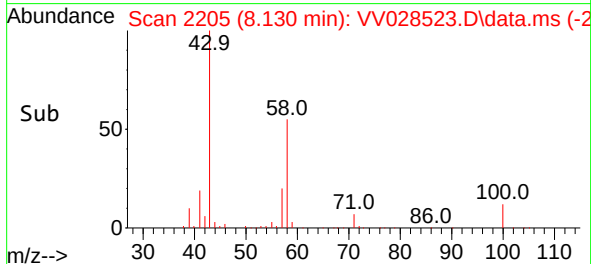
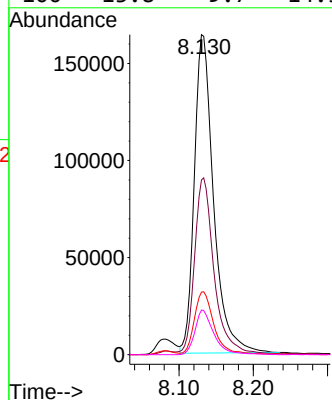
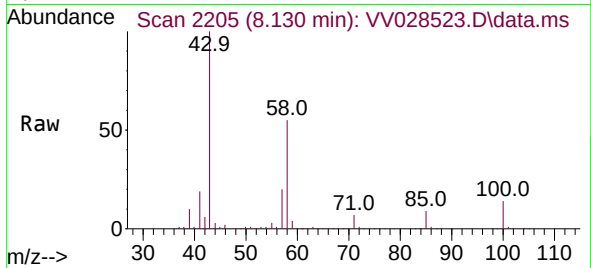




#48
2-Hexanone
Concen: 95.913 ug/L
RT: 8.130 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

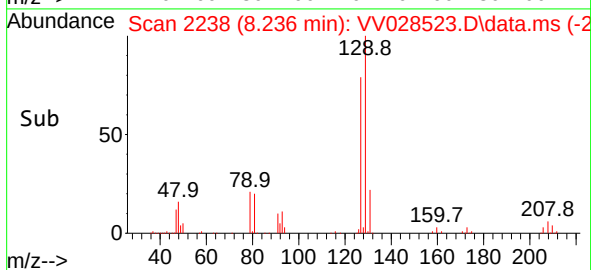
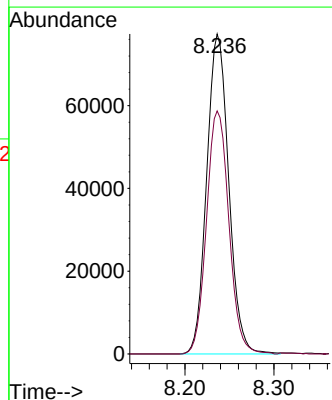
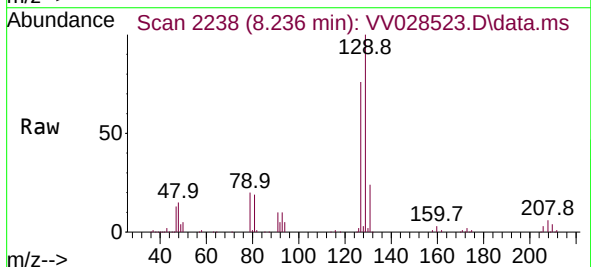
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

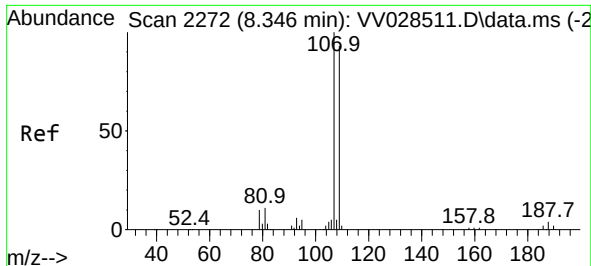
Tgt Ion: 43 Resp: 296663
Ion Ratio Lower Upper
43 100
58 55.5 43.9 65.9
57 20.2 15.1 22.7
100 13.8 9.7 14.5



#49
Dibromochloromethane
Concen: 56.419 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 129 Resp: 132695
Ion Ratio Lower Upper
129 100
127 75.9 53.6 99.6





#50

1,2-Dibromoethane

Concen: 51.890 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050358

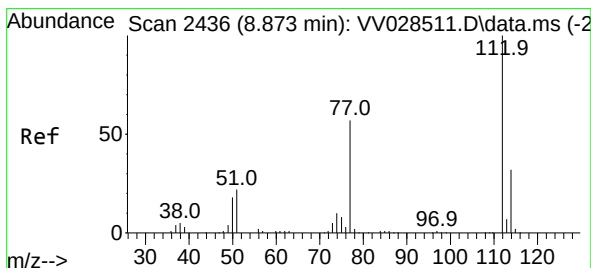
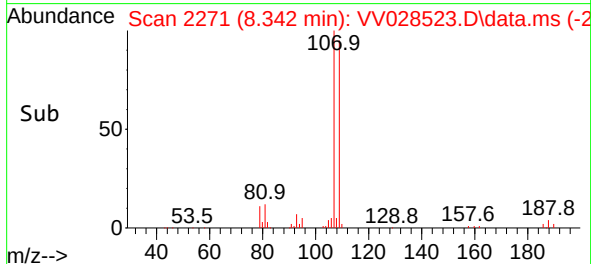
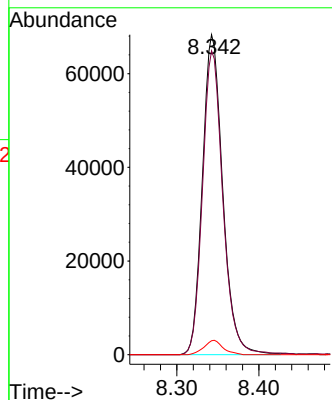
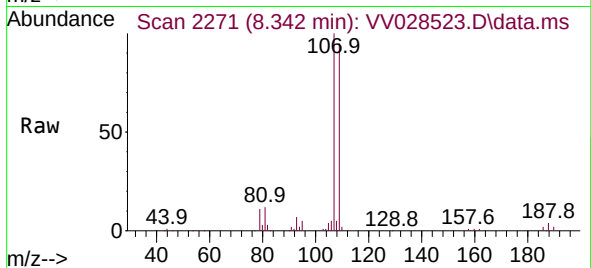
Tgt Ion:107 Resp: 117562

Ion Ratio Lower Upper

107 100

109 95.0 65.9 122.5

188 4.4 3.0 4.4



#51

Chlorobenzene

Concen: 56.343 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. -0.000 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

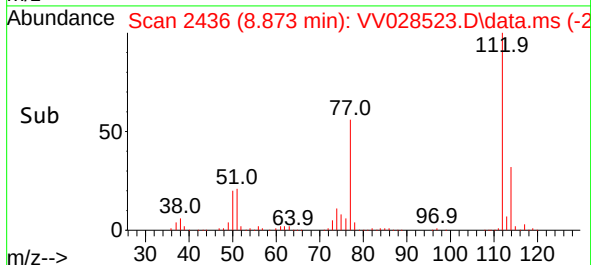
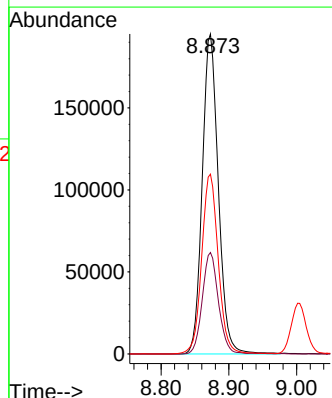
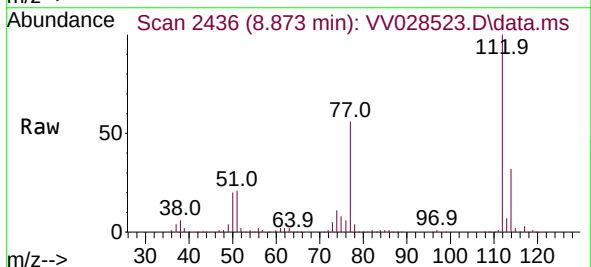
Tgt Ion:112 Resp: 321068

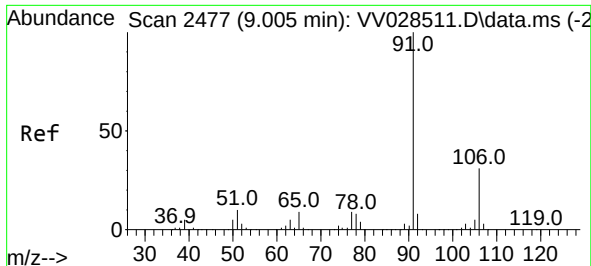
Ion Ratio Lower Upper

112 100

114 31.7 21.7 40.3

77 56.2 48.7 73.1

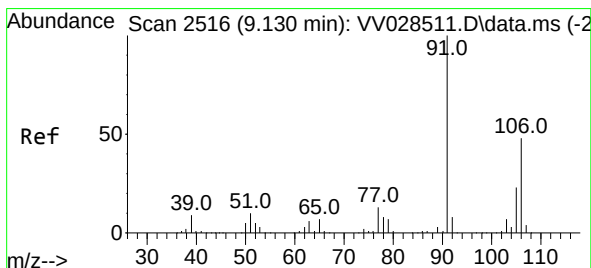
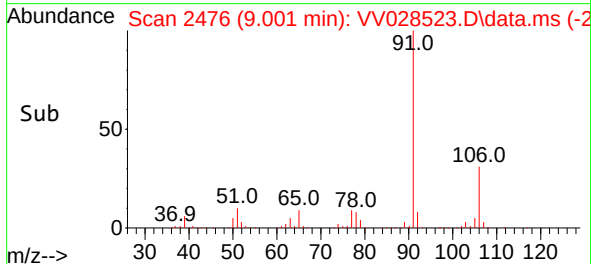
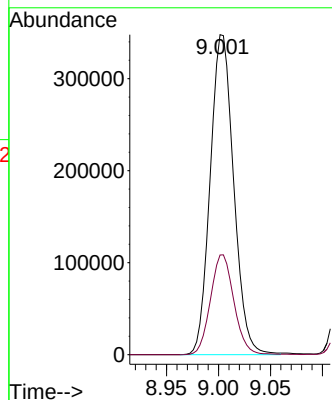
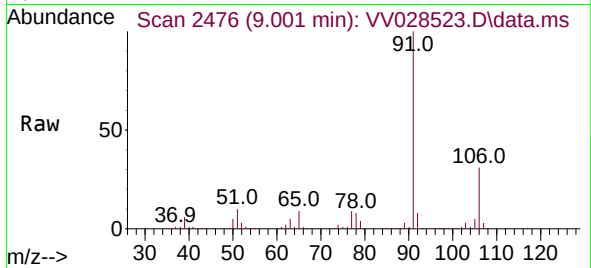




#52
Ethylbenzene
Concen: 55.214 ug/L
RT: 9.001 min Scan# 2477
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

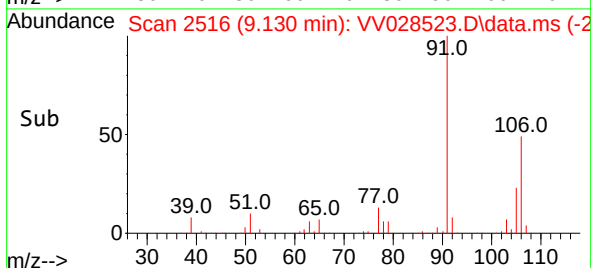
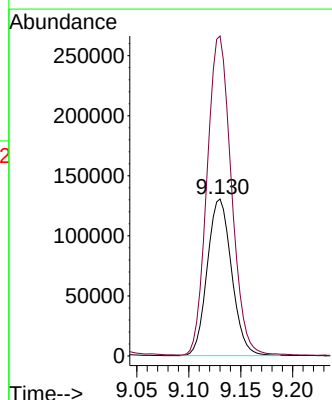
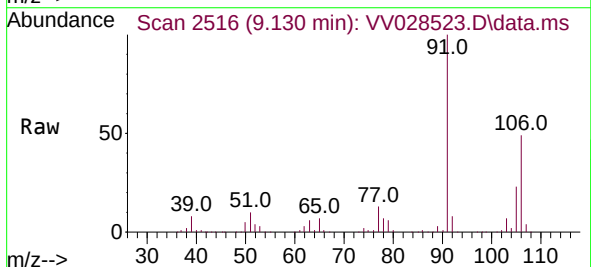
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

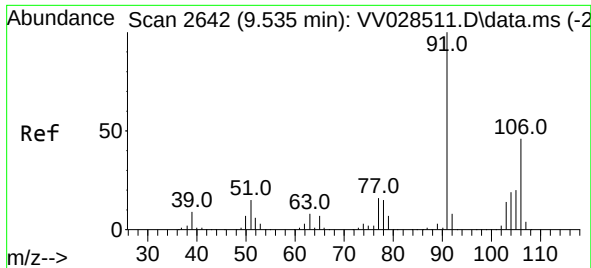
Tgt Ion: 91 Resp: 546579
Ion Ratio Lower Upper
91 100
106 31.1 21.4 39.8



#53
m,p-Xylene
Concen: 56.567 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion:106 Resp: 212248
Ion Ratio Lower Upper
106 100
91 203.9 145.2 269.6

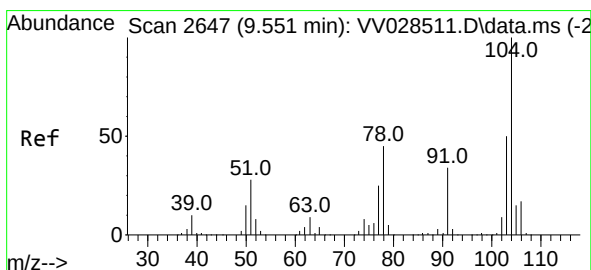
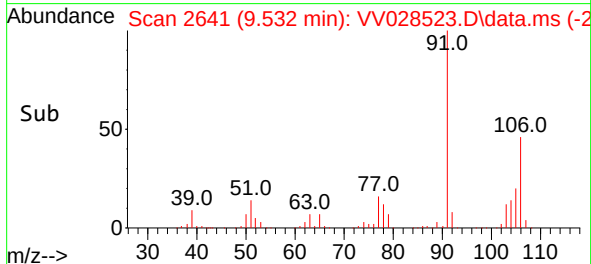
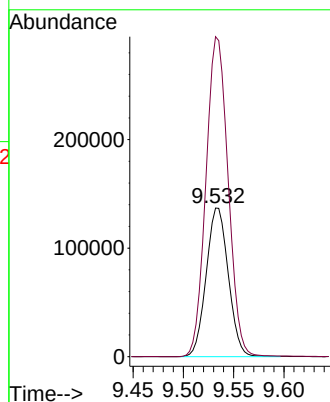
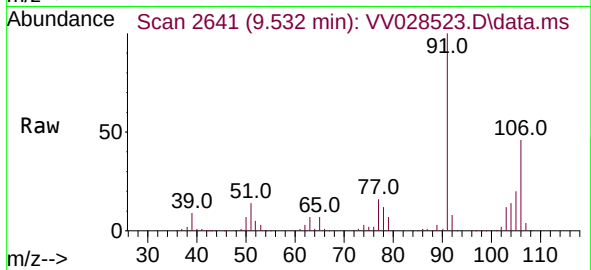




#54
o-Xylene
Concen: 55.882 ug/L
RT: 9.532 min Scan# 2642
Delta R.T. -0.003 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

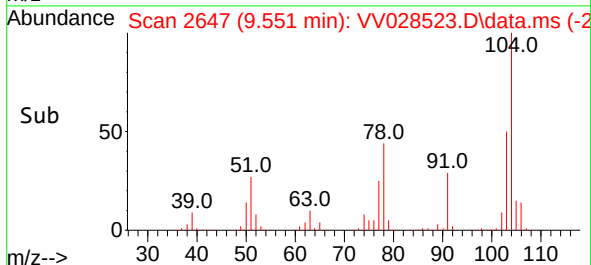
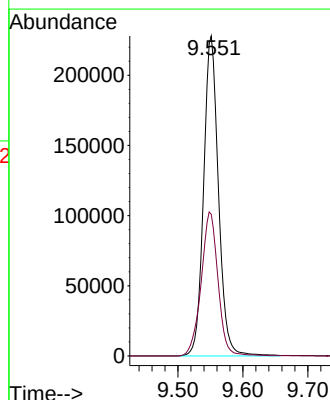
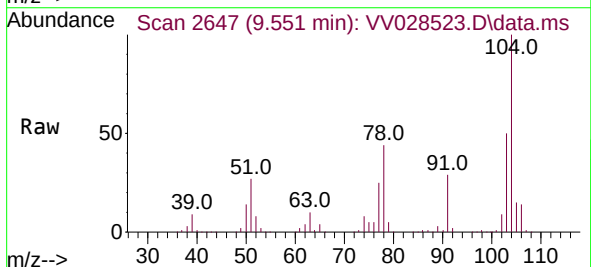
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

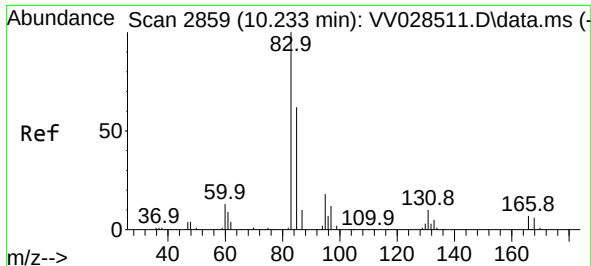
Tgt Ion:106 Resp: 209946
Ion Ratio Lower Upper
106 100
91 215.2 152.5 283.3



#55
Styrene
Concen: 56.404 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion:104 Resp: 363910
Ion Ratio Lower Upper
104 100
78 44.3 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 48.113 ug/L

RT: 10.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050358

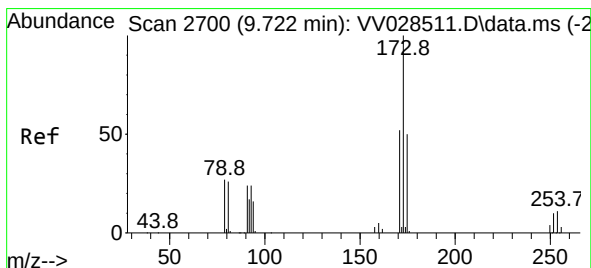
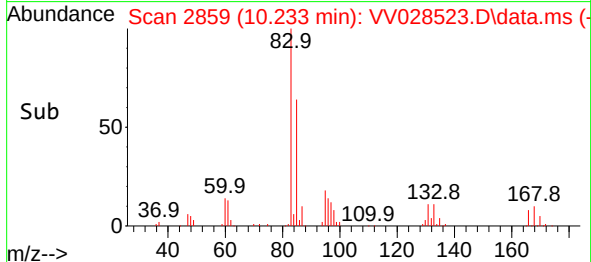
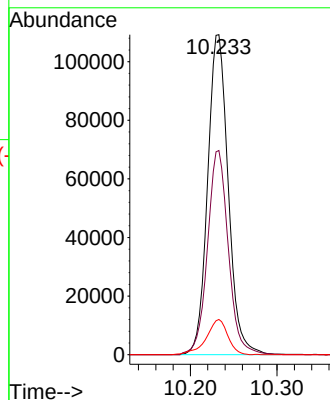
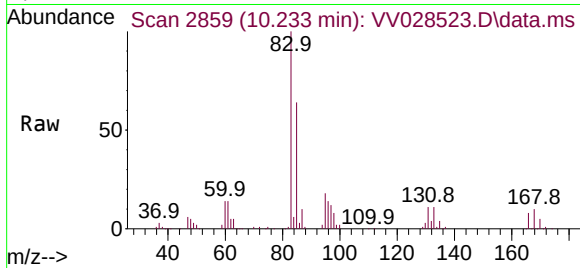
Tgt Ion: 83 Resp: 180291

Ion Ratio Lower Upper

83 100

85 63.8 44.8 83.2

131 11.0 7.2 10.8#



#59

Bromoform

Concen: 52.663 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. -0.000 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

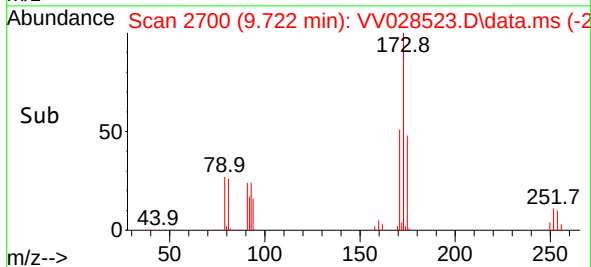
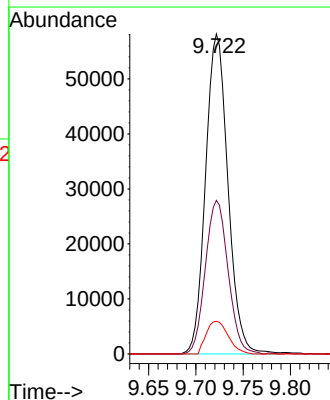
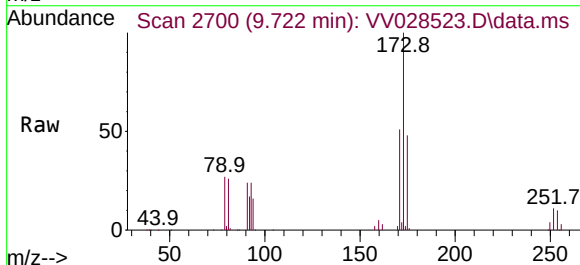
Tgt Ion: 173 Resp: 95857

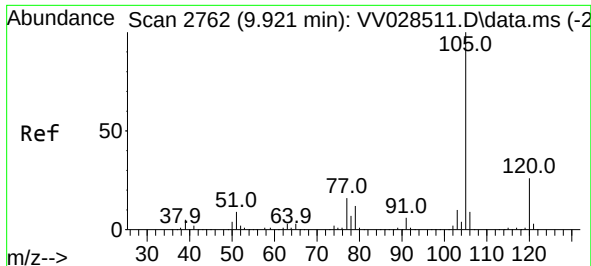
Ion Ratio Lower Upper

173 100

175 48.7 38.6 57.8

254 10.0 8.4 12.6

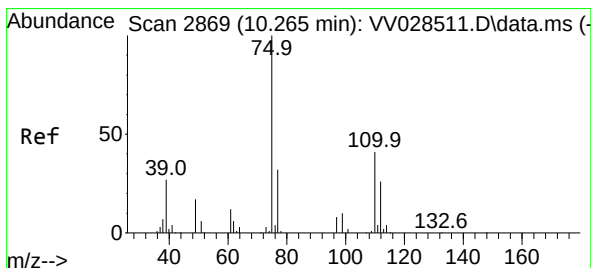
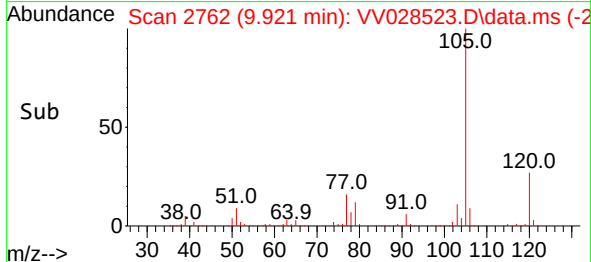
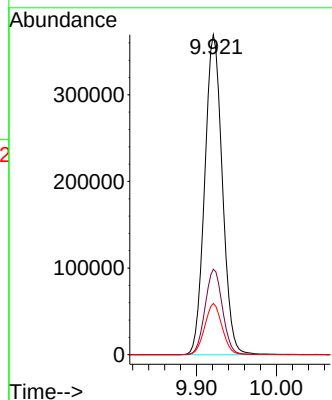
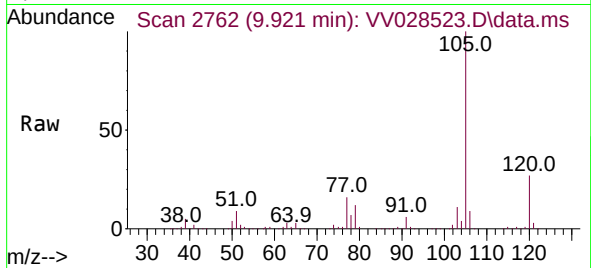




#60
Isopropylbenzene
Concen: 53.478 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

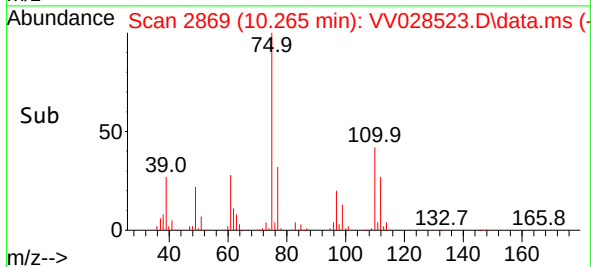
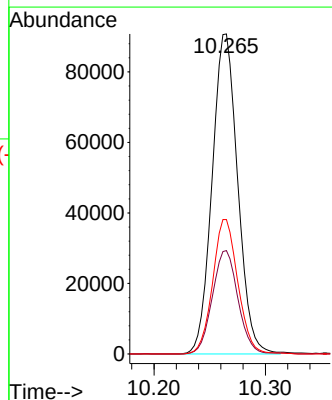
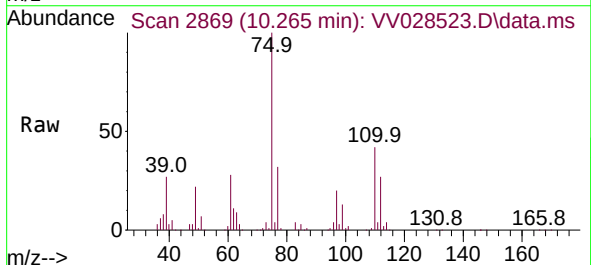
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

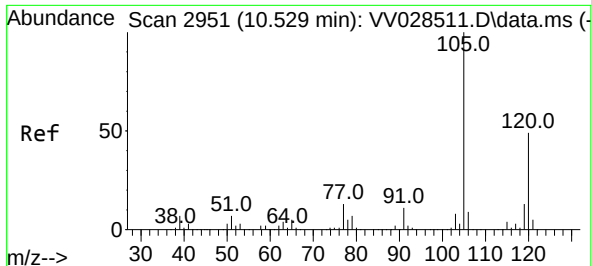
Tgt Ion:105 Resp: 566416
Ion Ratio Lower Upper
105 100
120 26.5 20.5 30.7
77 15.8 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 46.286 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion: 75 Resp: 144835
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5
110 41.4 30.0 45.0





#62

1,3,5-Trimethylbenzene

Concen: 53.817 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VV028523.D

Acq: 11 Oct 2022 16:04

Instrument :

MSVOA_V

ClientSampleId :

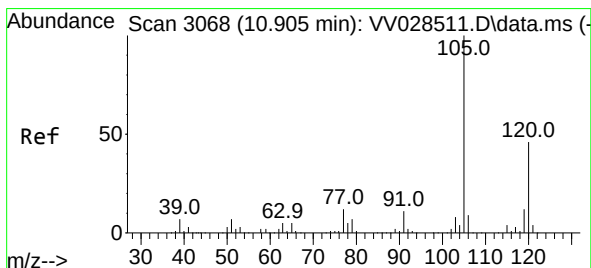
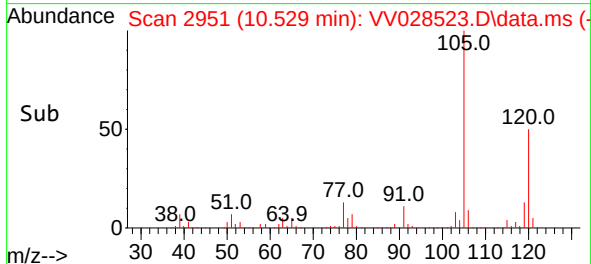
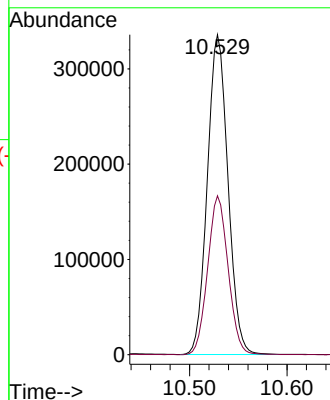
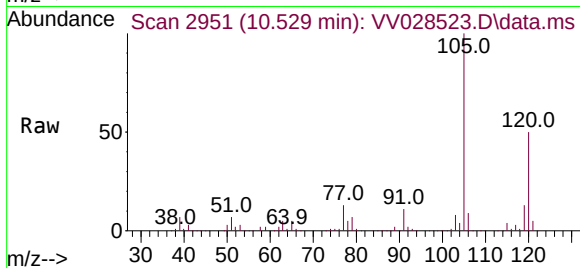
VSTD050358

Tgt Ion:105 Resp: 493680

Ion Ratio Lower Upper

105 100

120 49.3 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 53.813 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. -0.000 min

Lab File: VV028523.D

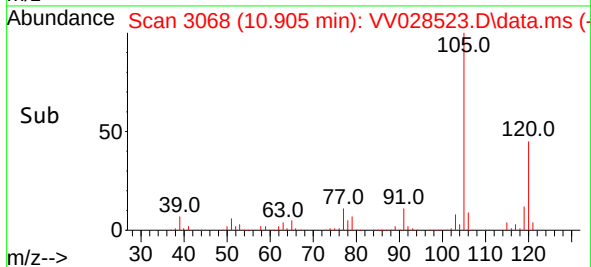
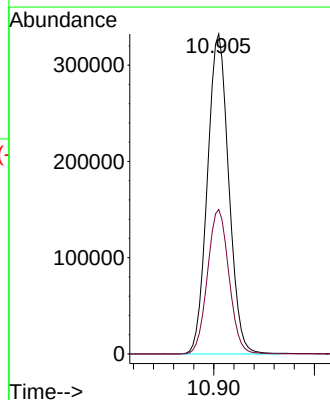
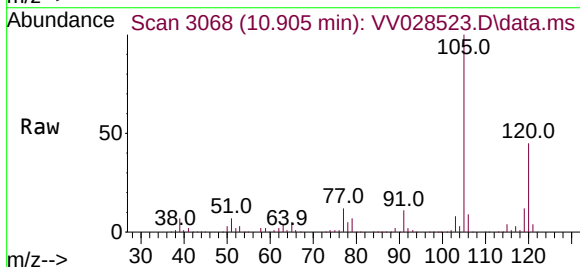
Acq: 11 Oct 2022 16:04

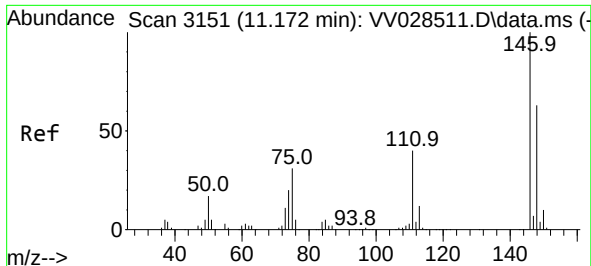
Tgt Ion:105 Resp: 489985

Ion Ratio Lower Upper

105 100

120 45.4 35.9 53.9

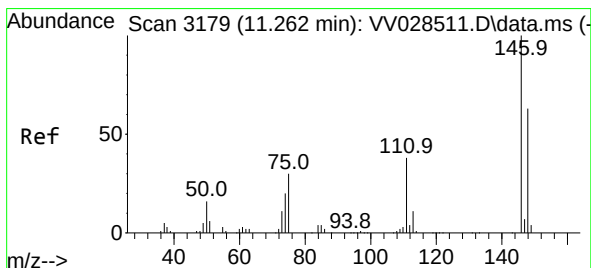
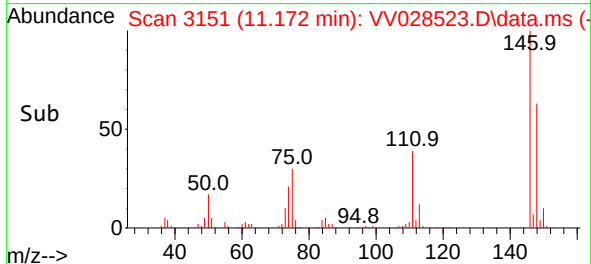
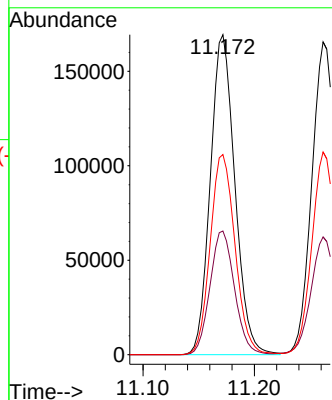
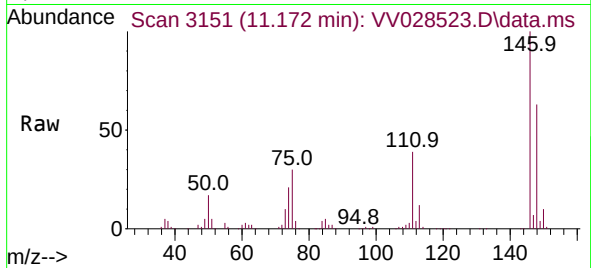




#64
1,3-Dichlorobenzene
Concen: 55.961 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

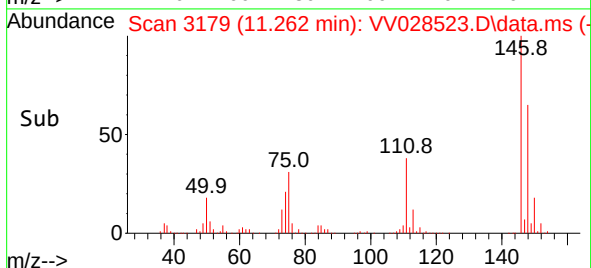
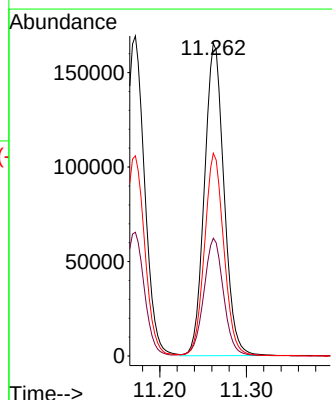
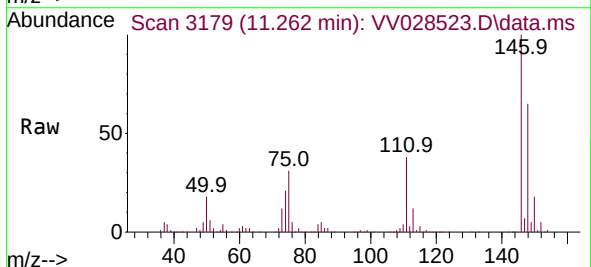
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

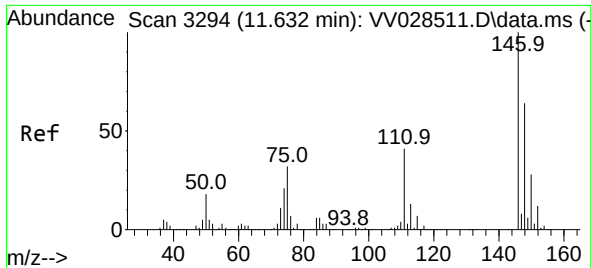
Tgt Ion:146 Resp: 259241
Ion Ratio Lower Upper
146 100
111 38.7 29.0 53.9
148 62.6 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 56.059 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion:146 Resp: 259133
Ion Ratio Lower Upper
146 100
111 37.6 26.6 49.4
148 64.8 43.4 80.6

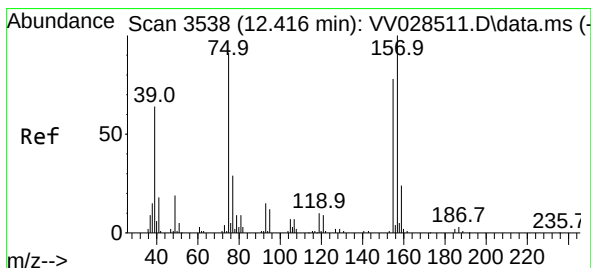
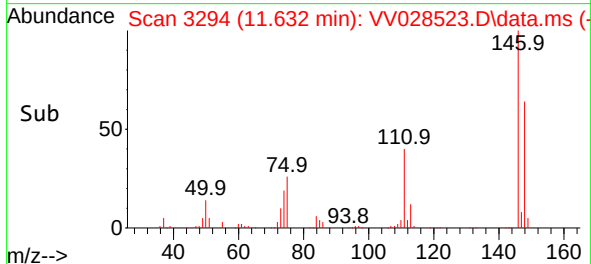
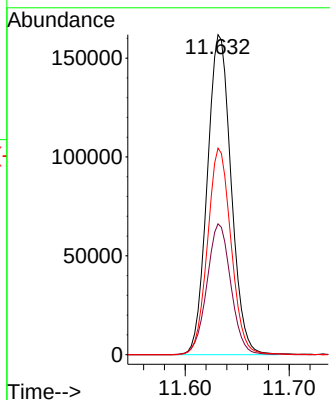
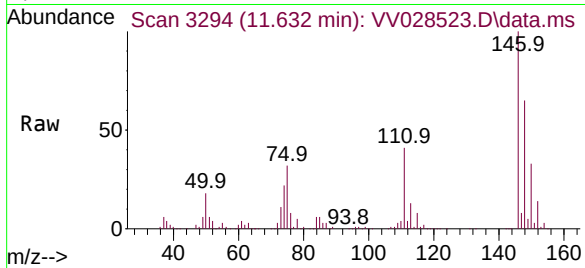




#67
1,2-Dichlorobenzene
Concen: 55.224 ug/L
RT: 11.632 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

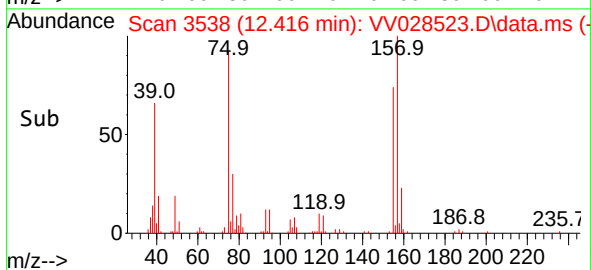
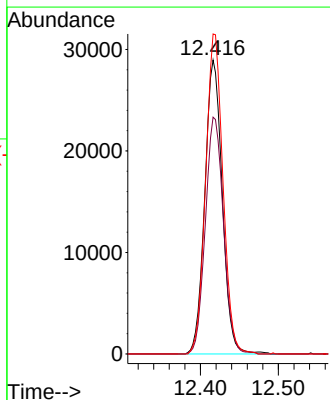
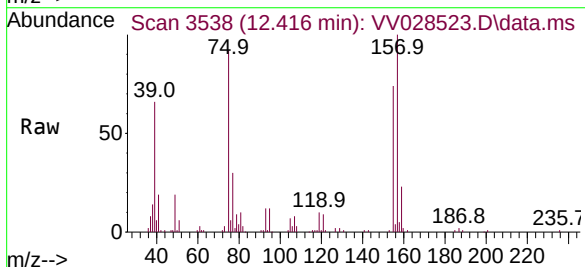
Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

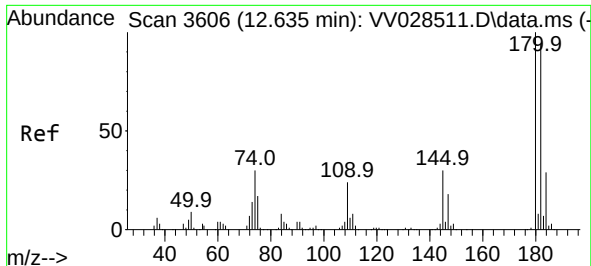
Tgt Ion:146 Resp: 258203
Ion Ratio Lower Upper
146 100
111 40.9 33.9 50.9
148 64.6 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 47.146 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

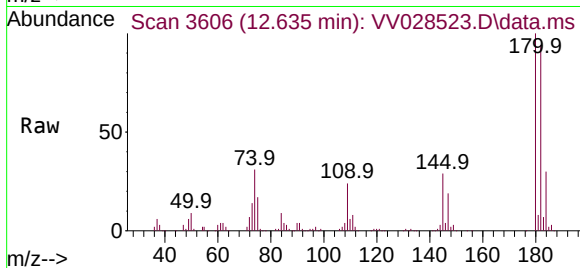
Tgt Ion: 75 Resp: 45146
Ion Ratio Lower Upper
75 100
155 80.6 65.0 97.6
157 108.9 86.0 129.0



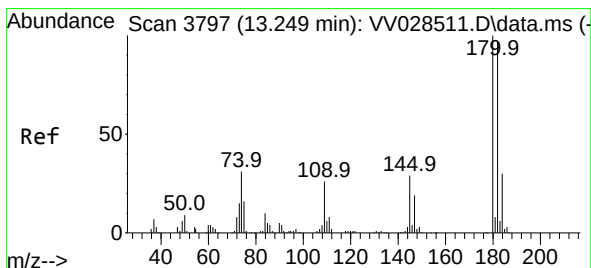
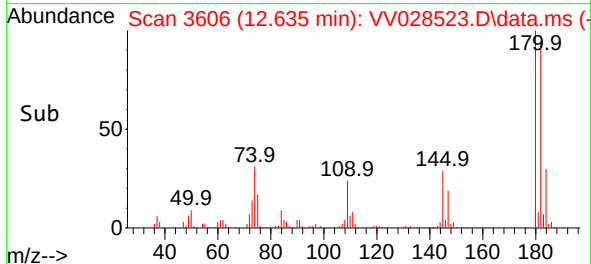
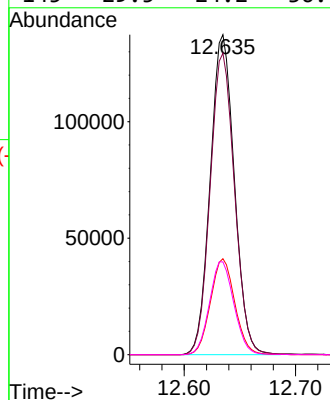


#69
 1,3,5-Trichlorobenzene
 Concen: 58.710 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. -0.000 min
 Lab File: VV028523.D
 Acq: 11 Oct 2022 16:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050358

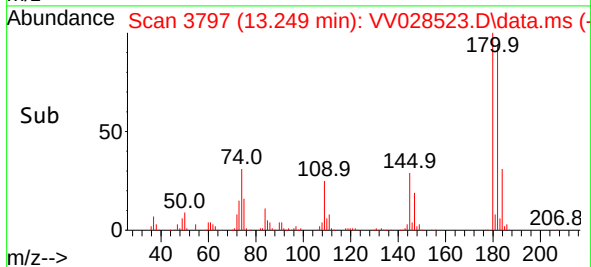
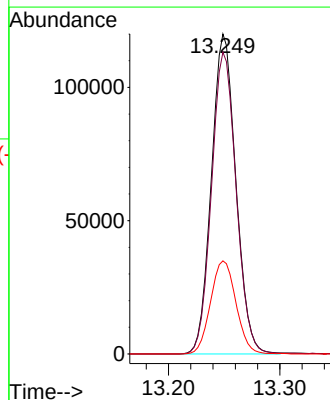
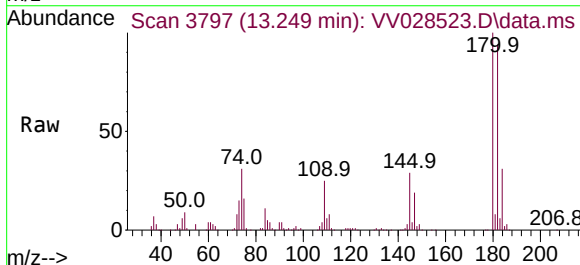


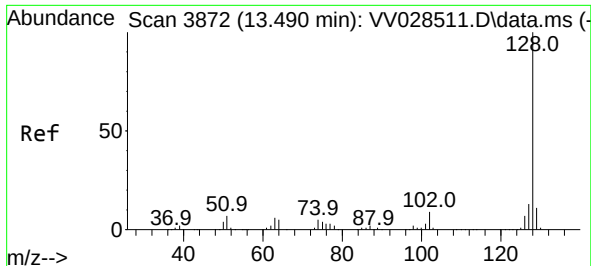
Tgt Ion:	180	Resp:	206569
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.9	113.9
184	30.2	24.0	36.0
145	29.5	24.2	36.4



#70
 1,2,4-trichlorobenzene
 Concen: 59.060 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. -0.000 min
 Lab File: VV028523.D
 Acq: 11 Oct 2022 16:04

Tgt Ion:	180	Resp:	183159
Ion Ratio	Lower	Upper	
180	100		
182	94.9	75.3	112.9
145	30.2	24.3	36.5

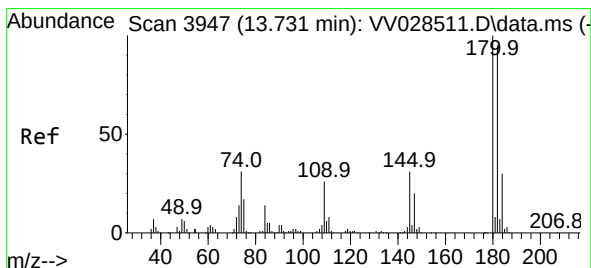
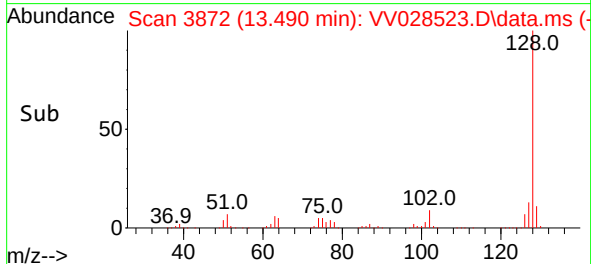
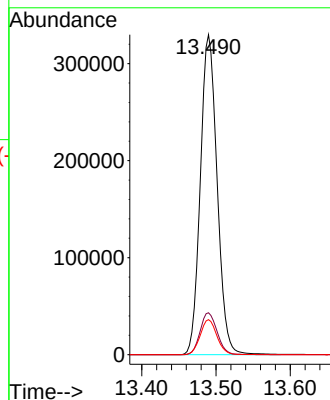
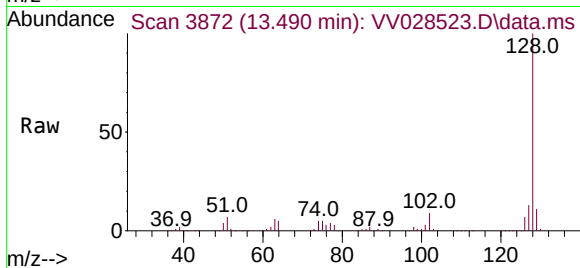




#71
Naphthalene
Concen: 53.751 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD050358

Tgt Ion:	128	Resp:	518476
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.9	8.9	13.3



#72
1,2,3-Trichlorobenzene
Concen: 59.762 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. -0.000 min
Lab File: VV028523.D
Acq: 11 Oct 2022 16:04

Tgt Ion:	180	Resp:	180695
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.4	113.0
145	30.7	26.5	39.7

