

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101022\
 Data File : VW028490.D
 Acq On : 10 Oct 2022 09:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

Quant Time: Oct 11 02:48:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM100722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 10 05:21:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	355301	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	320868	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	168907	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	141102	51.468	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.940%
7) Chloroethane-d5	1.565	69	104248	47.956	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.920%
11) 1,1-Dichloroethene-d2	2.105	63	229144	49.111	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.220%
21) 2-Butanone-d5	3.886	46	173688	72.372	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.370%
24) Chloroform-d	4.339	84	253835	50.484	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.960%
26) 1,2-Dichloroethane-d4	5.021	65	160753	49.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.140%
32) Benzene-d6	5.040	84	512520	49.848	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.700%
36) 1,2-Dichloropropane-d6	6.060	67	155624	46.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.840%
41) Toluene-d8	7.307	98	466439	50.671	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.340%
43) trans-1,3-Dichloroprop...	7.613	79	80026	46.835	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.680%
47) 2-Hexanone-d5	8.082	63	151473	83.064	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.060%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	194950	42.498	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.000%
66) 1,2-Dichlorobenzene-d4	11.616	152	174143	49.757	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	143381	53.597	ug/L	100
3) Chloromethane	1.237	50	132068	43.853	ug/L	99
5) Vinyl chloride	1.307	62	136313	45.102	ug/L	100
6) Bromomethane	1.520	94	65251	47.349	ug/L	100
8) Chloroethane	1.581	64	85212	46.445	ug/L	95
9) Trichlorofluoromethane	1.748	101	203811	54.566	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	102353	48.351	ug/L	94
12) 1,1-Dichloroethene	2.114	96	102676	49.407	ug/L	90
13) Acetone	2.182	43	105340	56.662	ug/L	83
14) Carbon disulfide	2.288	76	348605	52.452	ug/L	99
15) Methyl Acetate	2.429	43	132760	42.295	ug/L	98
16) Methylene chloride	2.500	84	138556	51.305	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	127188	52.470	ug/L	94
18) Methyl tert-butyl Ether	2.761	73	464932	52.175	ug/L	98
19) 1,1-Dichloroethane	3.182	63	247253	49.933	ug/L	98
20) cis-1,2-Dichloroethene	3.902	96	143577	51.994	ug/L	93
22) 2-Butanone	3.970	43	207137	84.517	ug/L	98
23) Bromochloromethane	4.236	128	71864	53.550	ug/L	87
25) Chloroform	4.365	83	251096	51.942	ug/L	95

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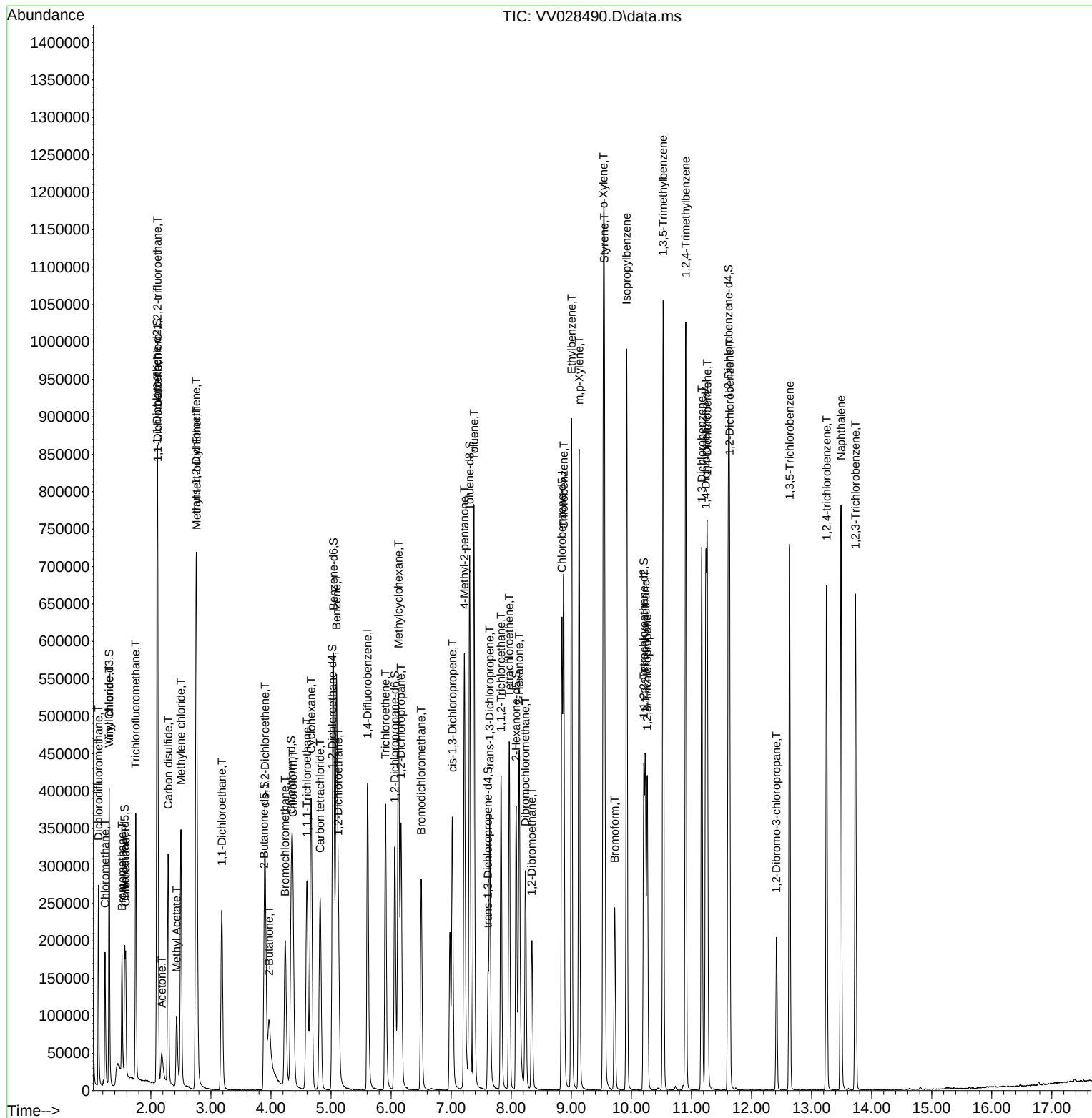
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	193670	52.289	ug/L	98
29) Cyclohexane	4.667	56	226201	49.012	ug/L	95
30) 1,1,1-Trichloroethane	4.600	97	230100	55.511	ug/L	98
31) Carbon tetrachloride	4.818	117	197410	56.893	ug/L	99
33) Benzene	5.092	78	540023	51.172	ug/L	100
34) Trichloroethene	5.905	95	131515	50.236	ug/L	92
35) Methylcyclohexane	6.124	83	226796	49.830	ug/L	97
37) 1,2-Dichloropropane	6.166	63	138093	48.809	ug/L	99
38) Bromodichloromethane	6.503	83	193794	52.576	ug/L	99
39) cis-1,3-Dichloropropene	7.018	75	208833	46.398	ug/L	98
40) 4-Methyl-2-pentanone	7.220	43	427149	88.522	ug/L	99
42) Toluene	7.381	91	560343	51.514	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	210015	48.617	ug/L	100
45) 1,1,2-Trichloroethane	7.831	97	131179	50.058	ug/L	98
46) Tetrachloroethene	7.966	164	105450	56.058	ug/L	96
48) 2-Hexanone	8.133	43	314465	84.891	ug/L	98
49) Dibromochloromethane	8.236	129	148182	52.606	ug/L	99
50) 1,2-Dibromoethane	8.342	107	135499	49.937	ug/L	97
51) Chlorobenzene	8.873	112	358326	52.505	ug/L	96
52) Ethylbenzene	9.005	91	617589	52.092	ug/L	100
53) m,p-Xylene	9.130	106	237144	52.772	ug/L	97
54) o-Xylene	9.535	106	232682	51.713	ug/L	98
55) Styrene	9.551	104	397545	51.449	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.233	83	205258	45.736	ug/L	99
59) Bromoform	9.722	173	105587	50.480	ug/L	99
60) Isopropylbenzene	9.921	105	621342	51.050	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	161909	45.027	ug/L	97
62) 1,3,5-Trimethylbenzene	10.529	105	541368	51.356	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	538340	51.450	ug/L	98
64) 1,3-Dichlorobenzene	11.172	146	282105	52.993	ug/L	97
65) 1,4-Dichlorobenzene	11.262	146	278337	52.399	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	281091	52.317	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	50254	45.669	ug/L	97
69) 1,3,5-Trichlorobenzene	12.635	180	216962	53.660	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	197038	55.289	ug/L	99
71) Naphthalene	13.490	128	589068	53.144	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	193946	55.819	ug/L	99

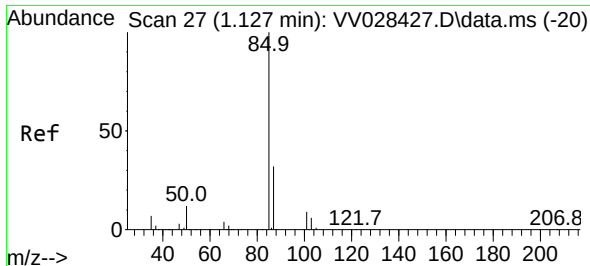
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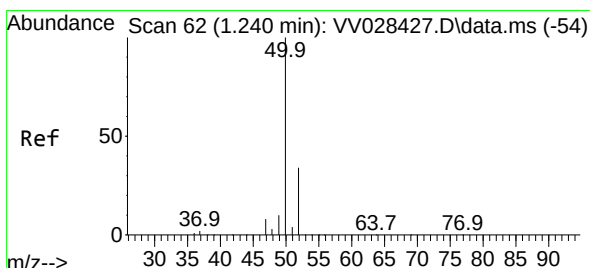
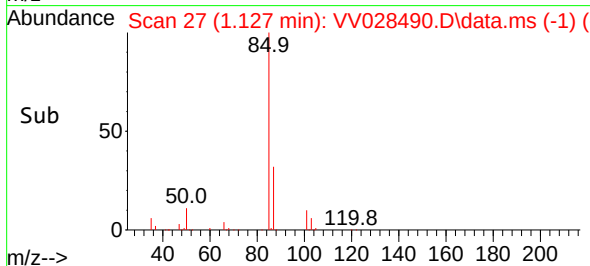
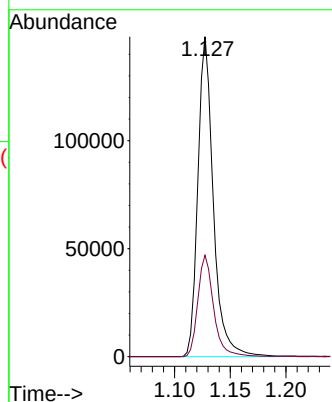
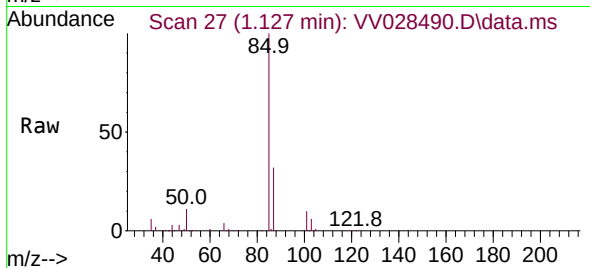




#2
Dichlorodifluoromethane
Concen: 53.597 ug/L
RT: 1.127 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

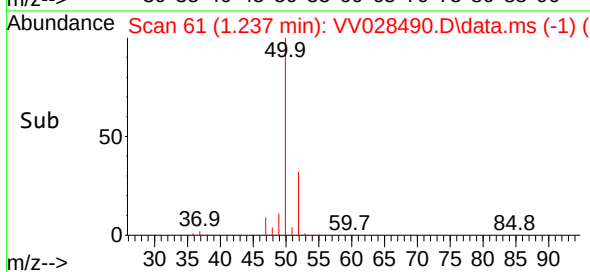
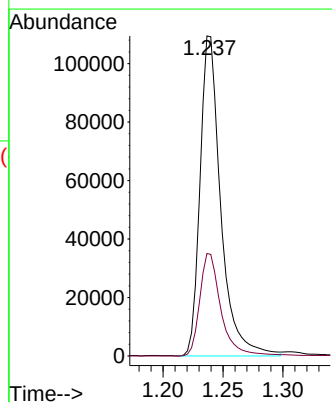
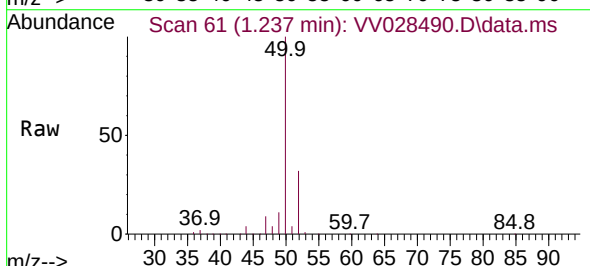
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MSVOA_V
ClientSampleId :
VSTD050355

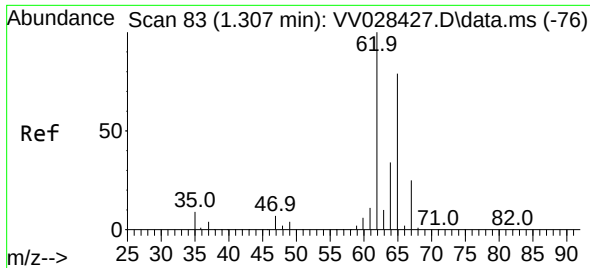
Tgt Ion: 85 Resp: 143381
Ion Ratio Lower Upper
85 100
87 32.4 25.9 38.9



#3
Chloromethane
Concen: 43.853 ug/L
RT: 1.237 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 50 Resp: 132068
Ion Ratio Lower Upper
50 100
52 32.0 22.7 42.3

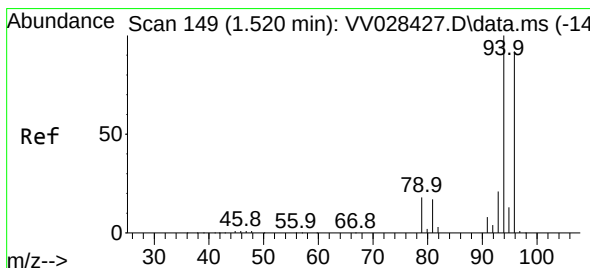
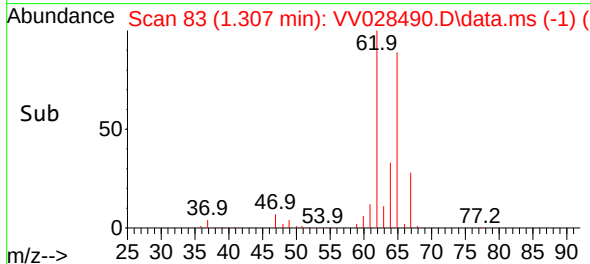
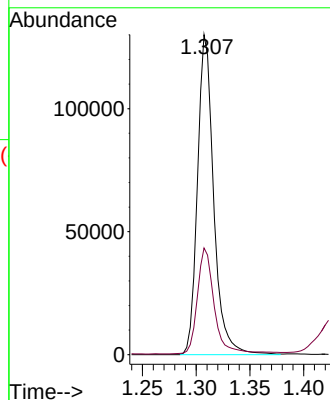
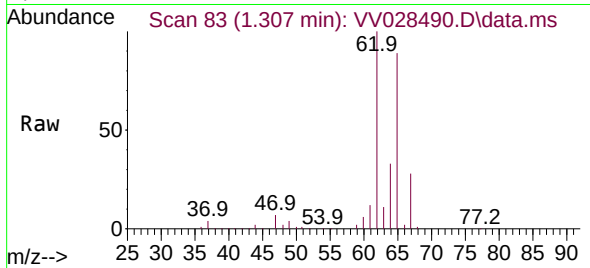




#5
 Vinyl chloride
 Concen: 45.102 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.003 min
 Lab File: VV028490.D
 Acq: 10 Oct 2022 09:27

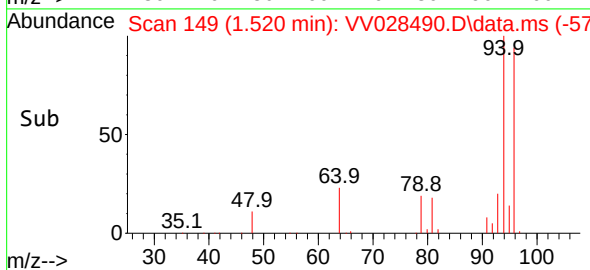
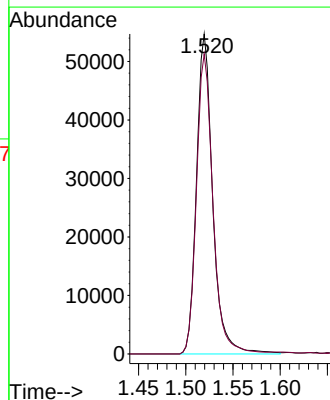
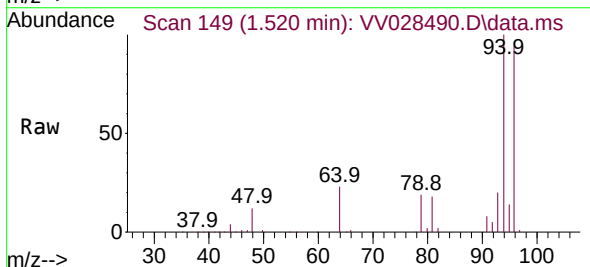
Instrument :
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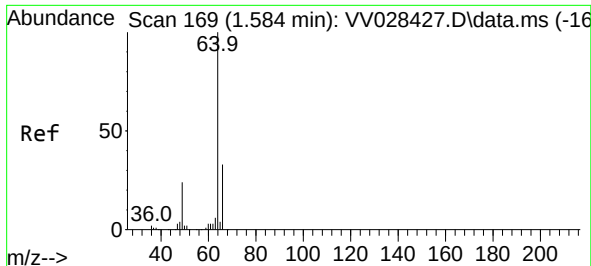
Tgt Ion: 62 Resp: 136313
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.3 43.3



#6
 Bromomethane
 Concen: 47.349 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. -0.003 min
 Lab File: VV028490.D
 Acq: 10 Oct 2022 09:27

Tgt Ion: 94 Resp: 65251
 Ion Ratio Lower Upper
 94 100
 96 93.7 65.5 121.6

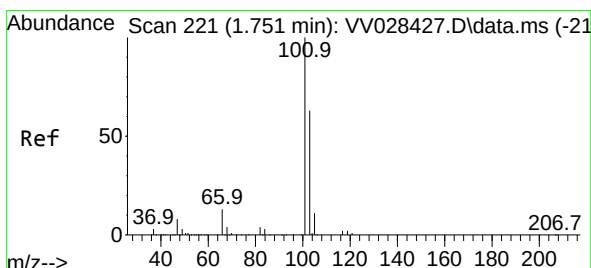
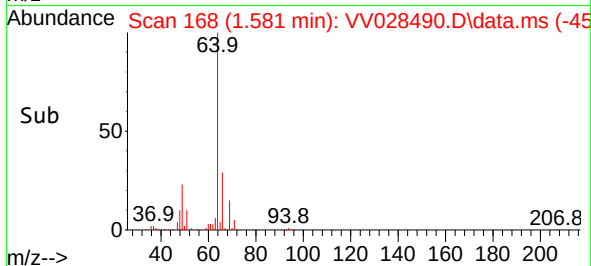
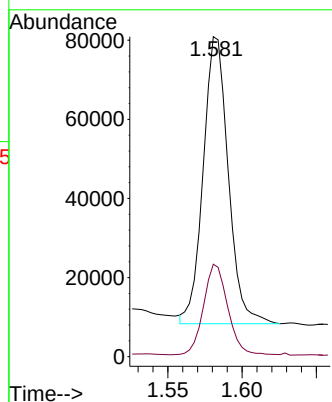
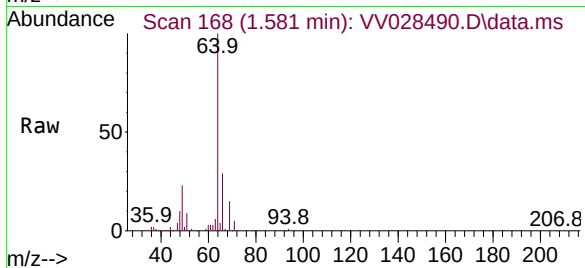




#8
Chloroethane
Concen: 46.445 ug/L
RT: 1.581 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

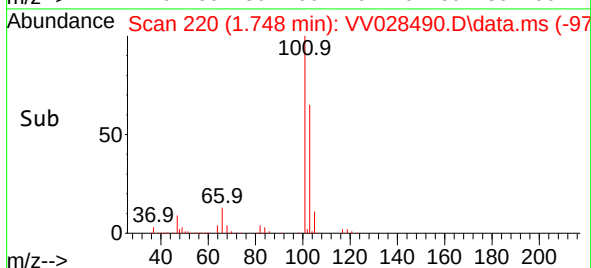
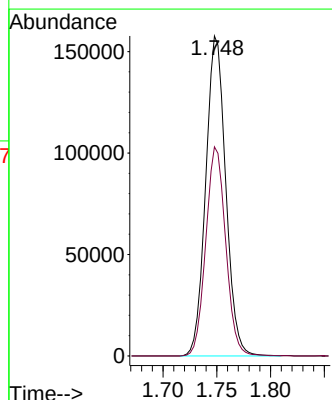
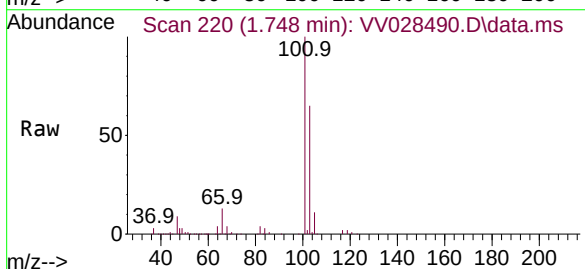
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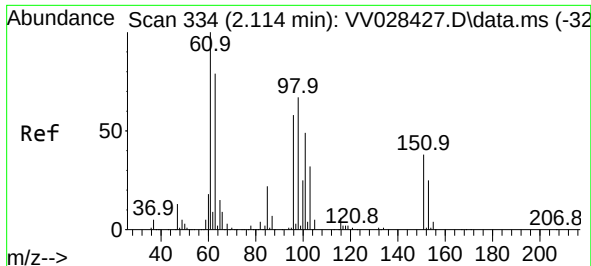
Tgt Ion: 64 Resp: 85212
Ion Ratio Lower Upper
64 100
66 28.9 22.2 41.2



#9
Trichlorofluoromethane
Concen: 54.566 ug/L
RT: 1.748 min Scan# 220
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion:101 Resp: 203811
Ion Ratio Lower Upper
101 100
103 65.0 50.7 76.1

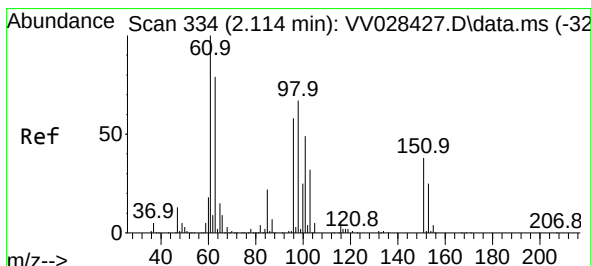
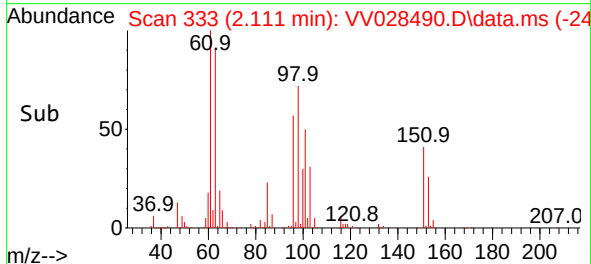
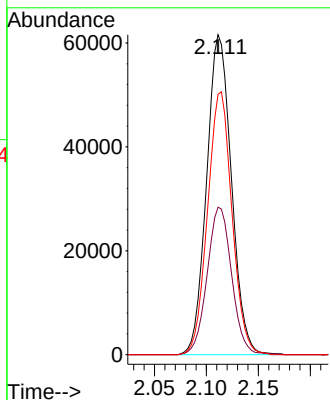
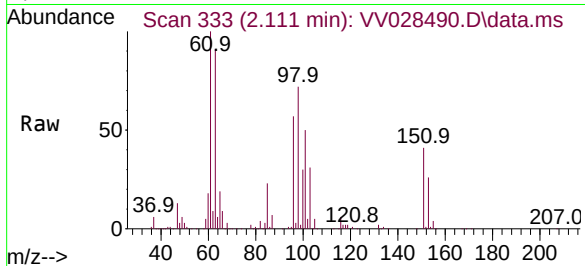




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.351 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV028490.D
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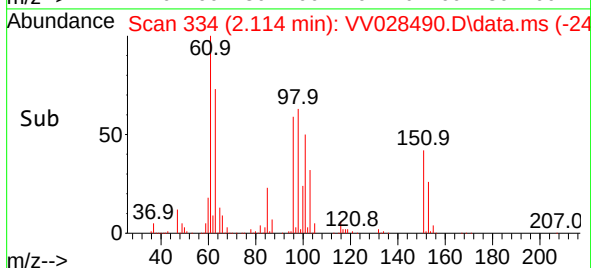
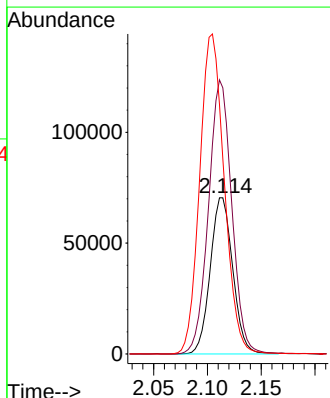
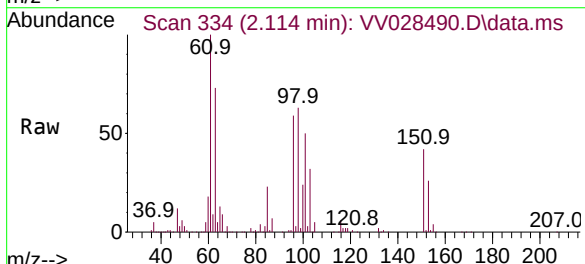
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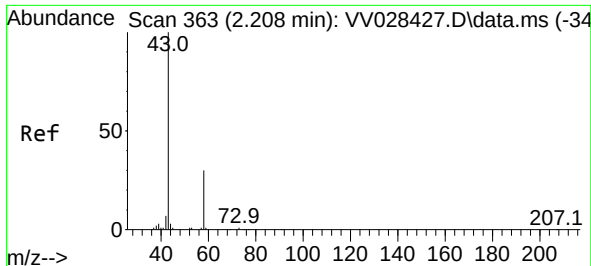
Tgt Ion:101 Resp: 102353
 Ion Ratio Lower Upper
 101 100
 85 45.5 34.9 52.3
 151 80.9 59.2 88.8



#12
 1,1-Dichloroethene
 Concen: 49.407 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV028490.D
 Acq: 10 Oct 2022 09:27

Tgt Ion: 96 Resp: 102676
 Ion Ratio Lower Upper
 96 100
 61 170.4 125.6 233.2
 63 124.9 100.0 185.6





#13

Acetone

Concen: 56.662 ug/L

RT: 2.182 min Scan# 31

Delta R.T. -0.022 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

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ClientSampleId :

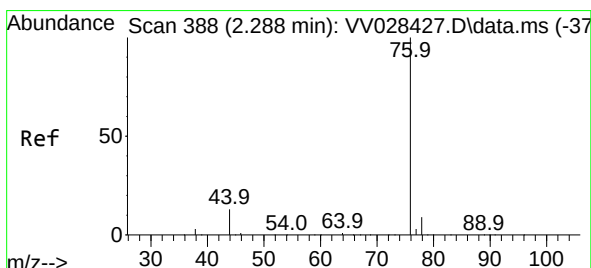
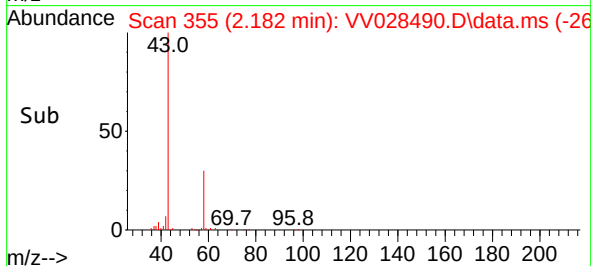
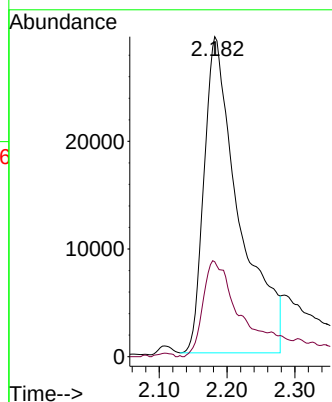
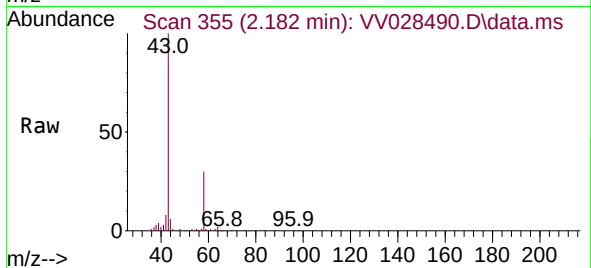
VSTD050355

Tgt Ion: 43 Resp: 105340

Ion Ratio Lower Upper

43 100

58 15.3 0.0 47.0



#14

Carbon disulfide

Concen: 52.452 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.003 min

Lab File: VV028490.D

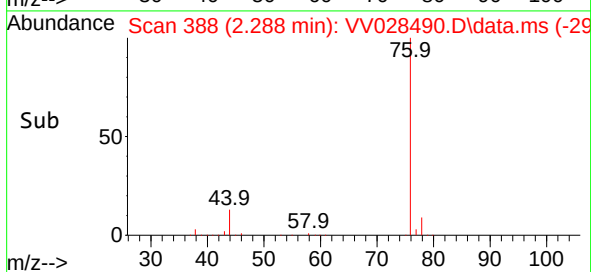
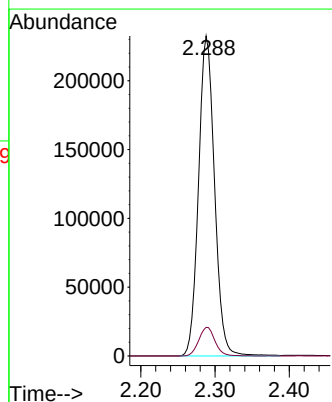
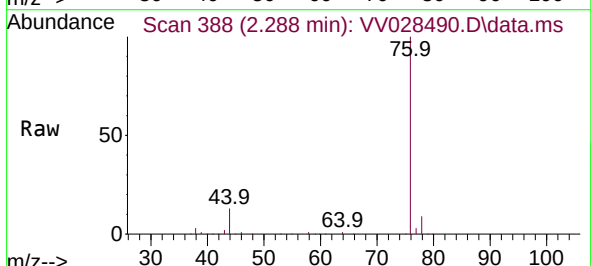
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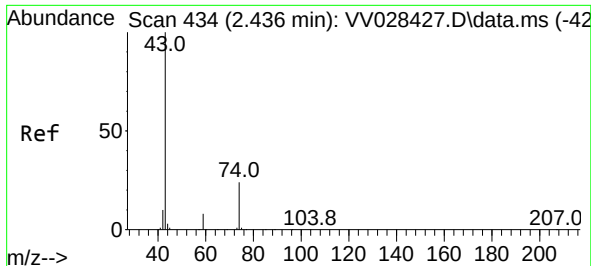
Tgt Ion: 76 Resp: 348605

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

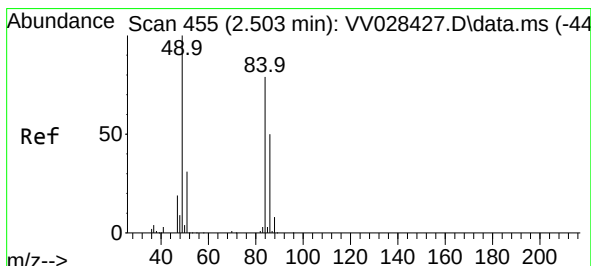
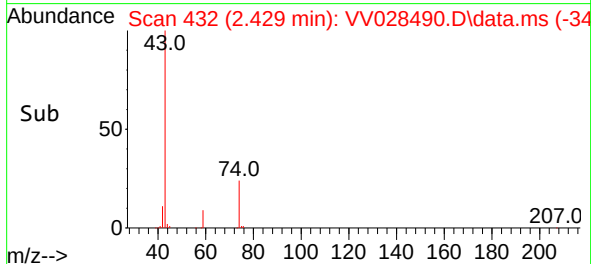
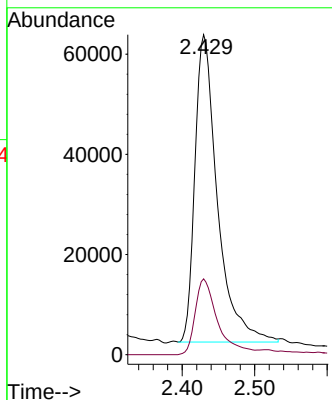
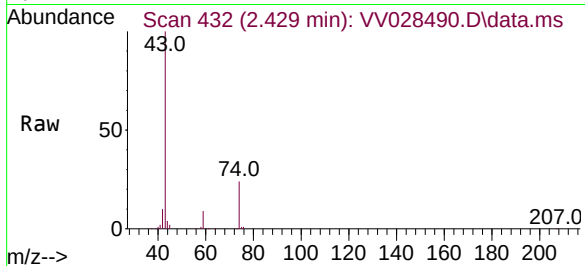




#15
Methyl Acetate
Concen: 42.295 ug/L
RT: 2.429 min Scan# 41
Delta R.T. -0.010 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

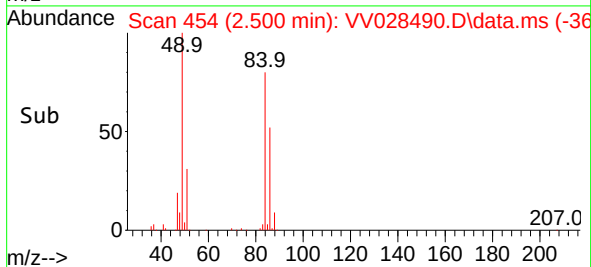
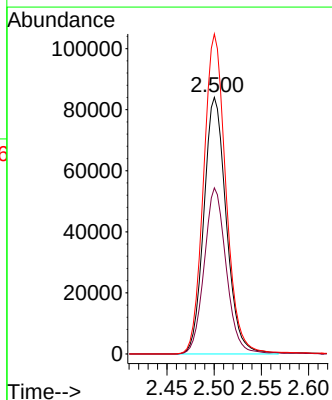
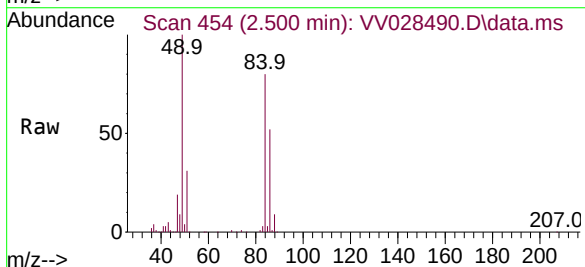
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

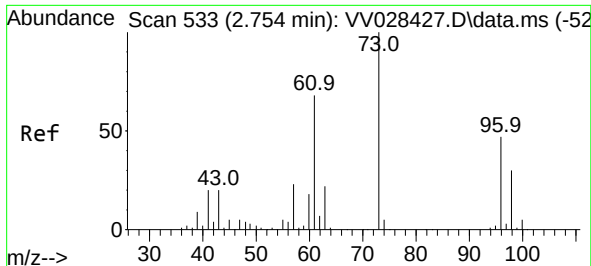
Tgt Ion: 43 Resp: 132760
Ion Ratio Lower Upper
43 100
74 24.6 18.8 28.2



#16
Methylene chloride
Concen: 51.305 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 84 Resp: 138556
Ion Ratio Lower Upper
84 100
86 64.7 44.2 82.2
49 124.7 90.5 168.1





#17

trans-1,2-Dichloroethene

Concen: 52.470 ug/L

RT: 2.754 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

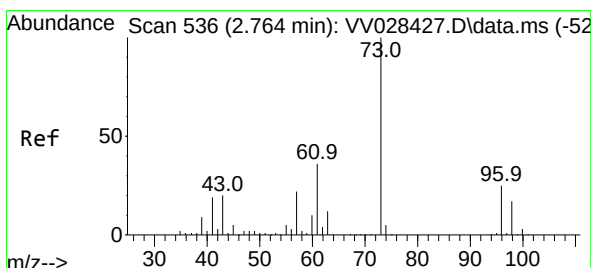
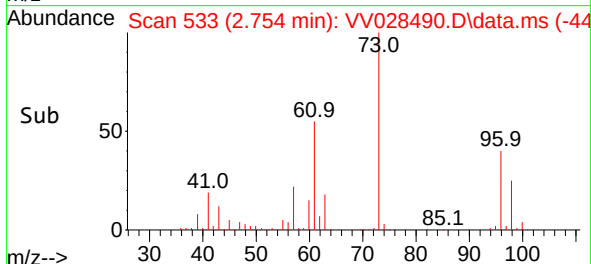
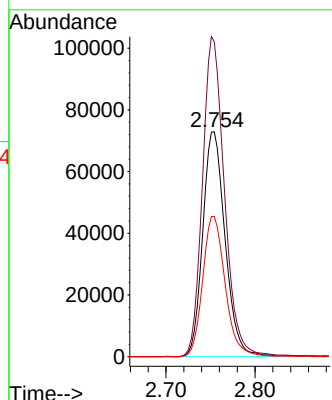
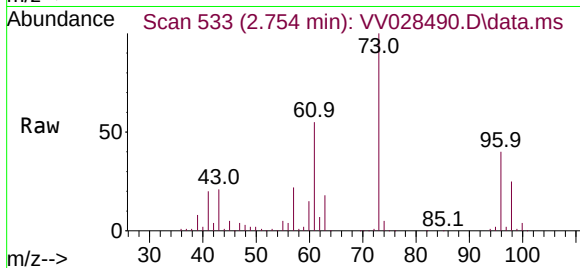
Tgt Ion: 96 Resp: 127188

Ion Ratio Lower Upper

96 100

61 140.0 104.8 194.6

98 62.4 44.5 82.7



#18

Methyl tert-butyl Ether

Concen: 52.175 ug/L

RT: 2.761 min Scan# 535

Delta R.T. -0.006 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

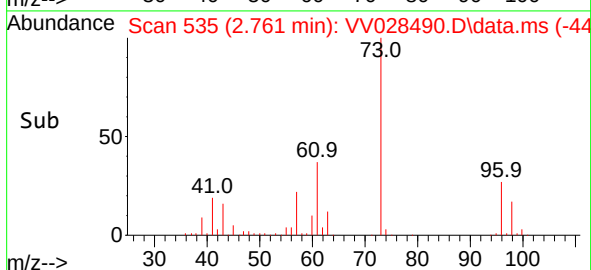
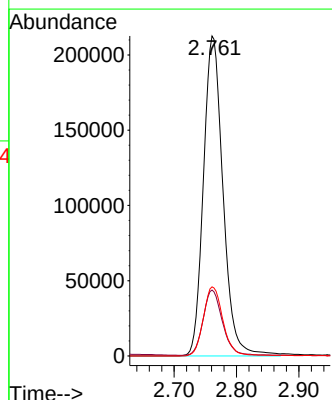
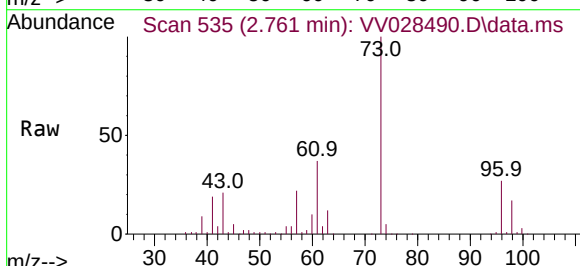
Tgt Ion: 73 Resp: 464932

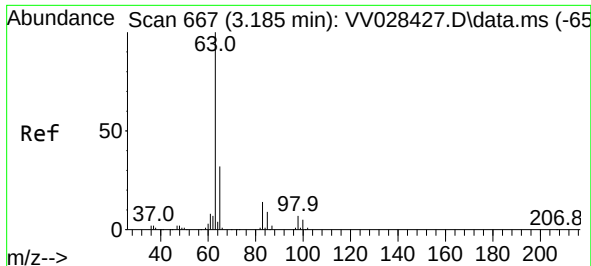
Ion Ratio Lower Upper

73 100

43 19.9 15.6 23.4

57 21.4 18.2 27.4





#19

1,1-Dichloroethane

Concen: 49.933 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

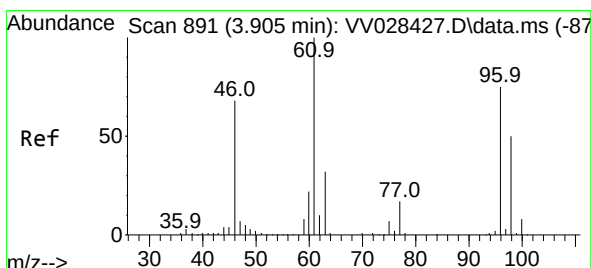
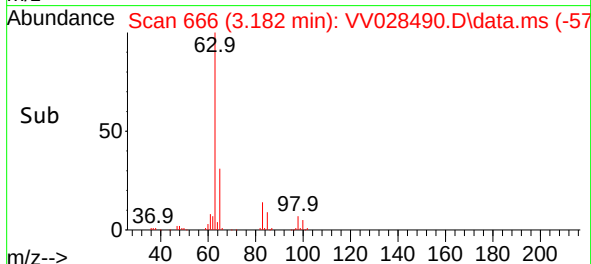
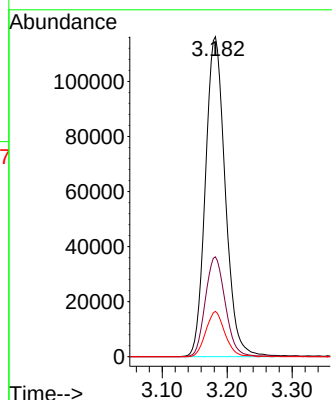
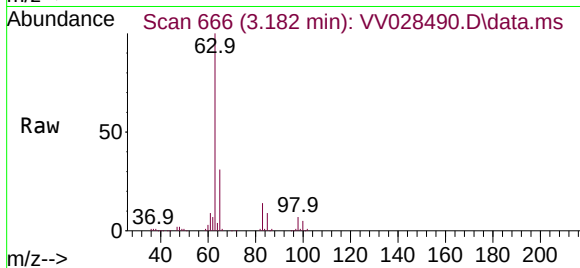
Tgt Ion: 63 Resp: 247253

Ion Ratio Lower Upper

63 100

65 31.2 22.6 42.0

83 14.2 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 51.994 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.003 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

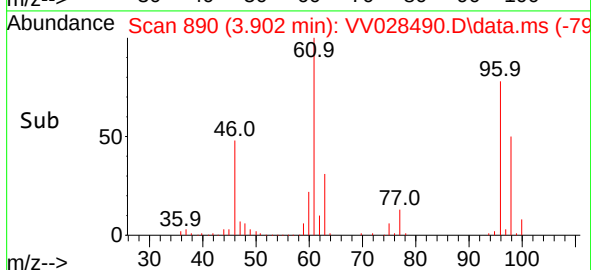
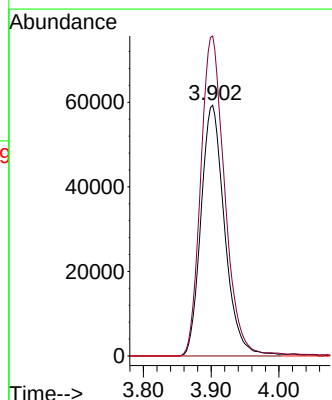
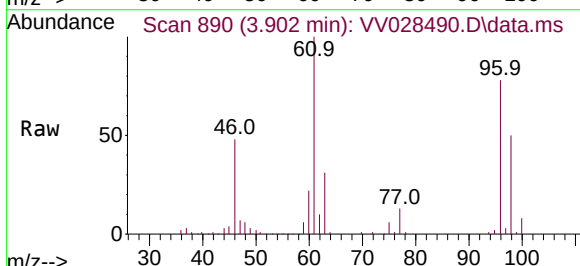
Tgt Ion: 96 Resp: 143577

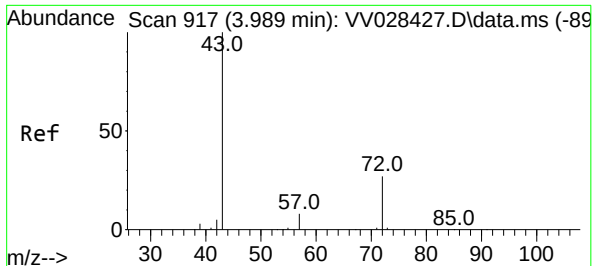
Ion Ratio Lower Upper

96 100

61 127.6 95.0 176.4

68 0.0 0.0 0.0

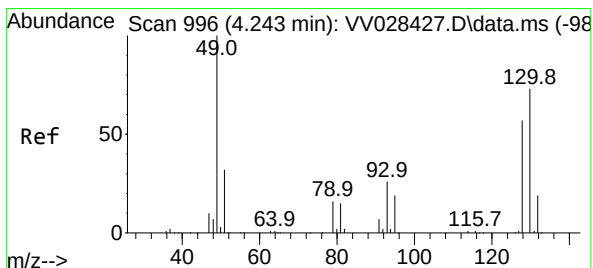
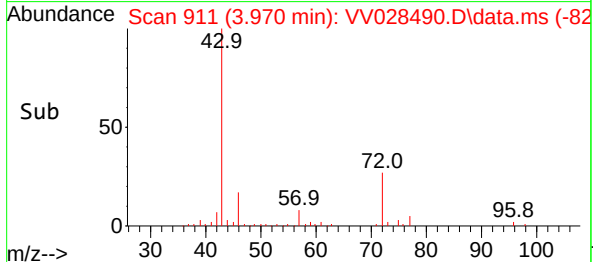
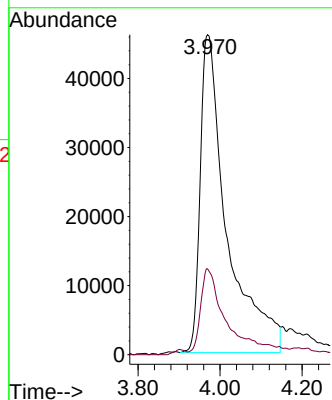
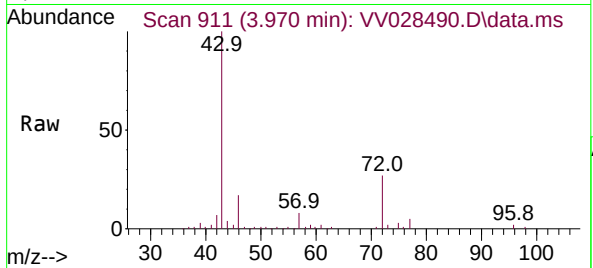




#22
2-Butanone
Concen: 84.517 ug/L
RT: 3.970 min Scan# 911
Delta R.T. -0.016 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

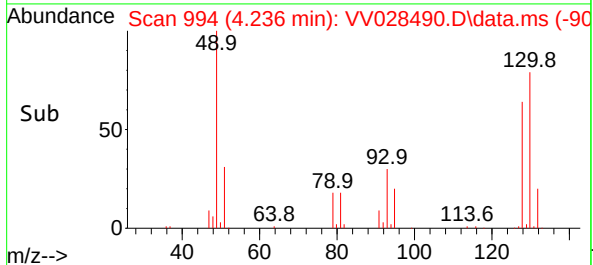
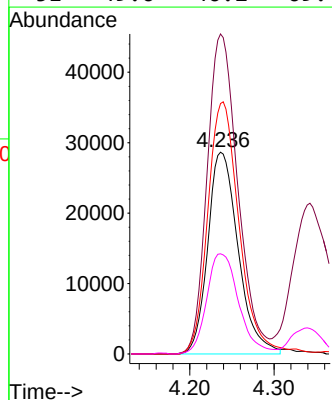
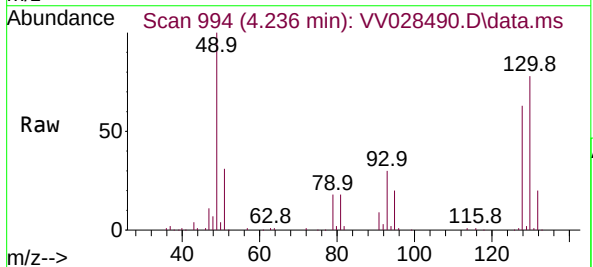
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

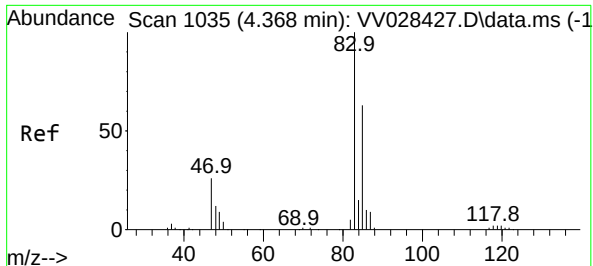
Tgt Ion: 43 Resp: 207137
Ion Ratio Lower Upper
43 100
72 21.1 11.1 33.1



#23
Bromochloromethane
Concen: 53.550 ug/L
RT: 4.236 min Scan# 994
Delta R.T. -0.006 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 128 Resp: 71864
Ion Ratio Lower Upper
128 100
49 158.6 130.6 242.6
130 124.1 90.0 167.2
51 49.6 46.2 69.4





#25

Chloroform

Concen: 51.942 ug/L

RT: 4.365 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

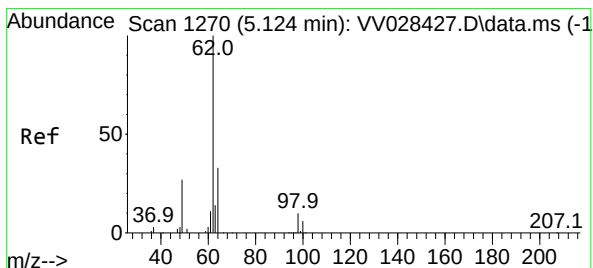
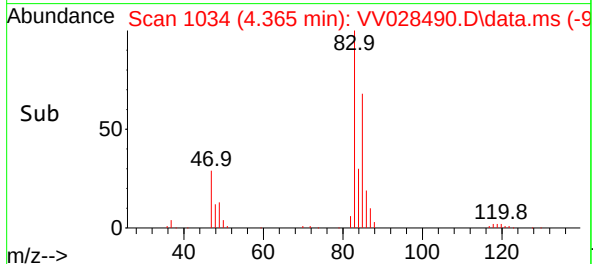
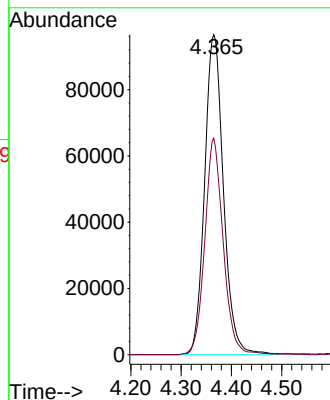
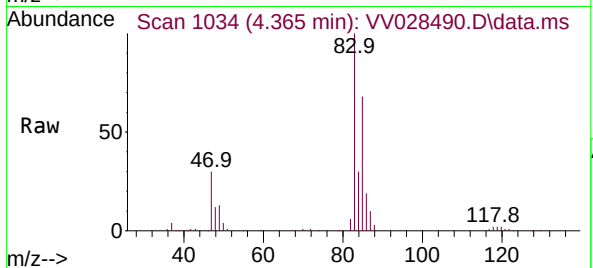
VSTD050355

Tgt Ion: 83 Resp: 251096

Ion Ratio Lower Upper

83 100

85 67.7 44.5 82.7



#27

1,2-Dichloroethane

Concen: 52.289 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV028490.D

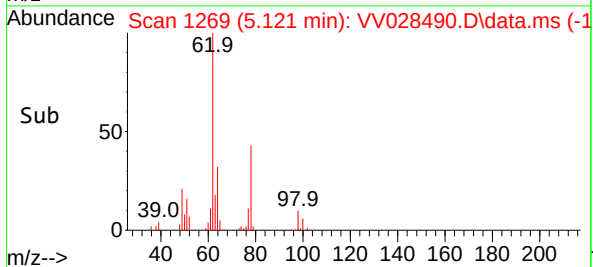
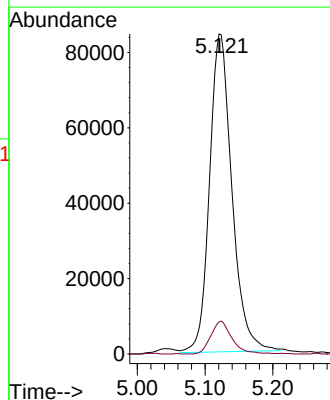
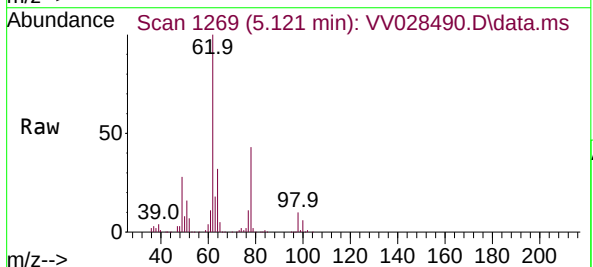
Acq: 10 Oct 2022 09:27

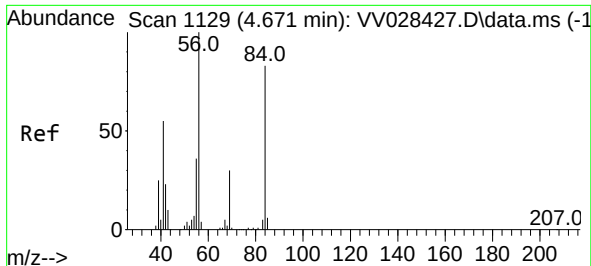
Tgt Ion: 62 Resp: 193670

Ion Ratio Lower Upper

62 100

98 10.1 7.6 11.4





#29

Cyclohexane

Concen: 49.012 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

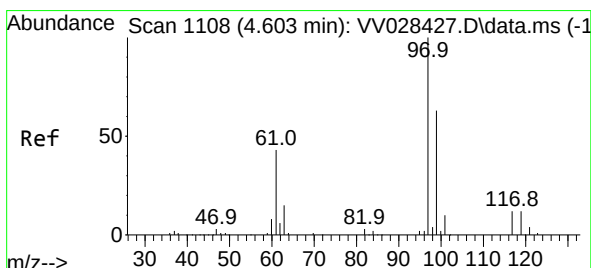
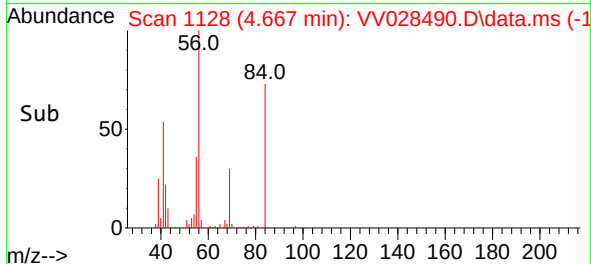
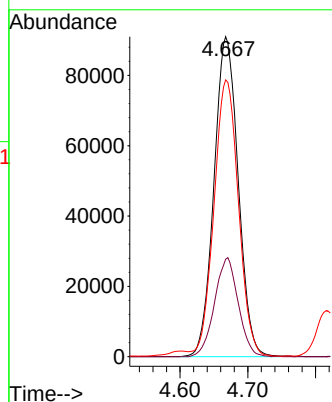
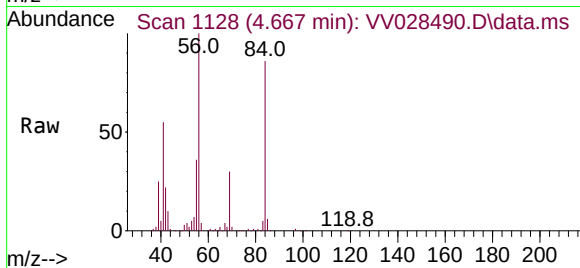
Tgt Ion: 56 Resp: 226201

Ion Ratio Lower Upper

56 100

69 30.2 23.0 34.6

84 87.2 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 55.511 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

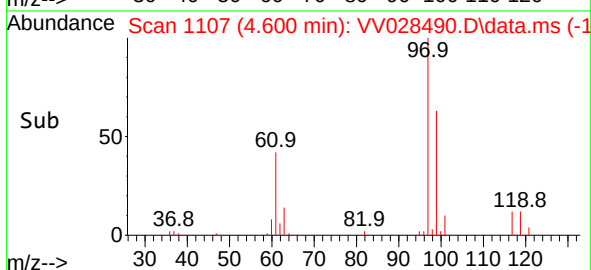
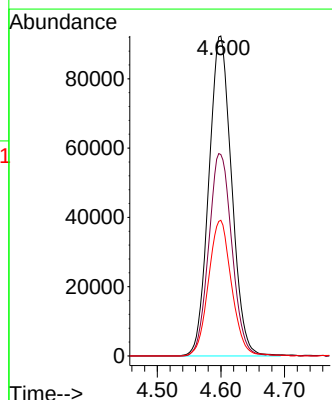
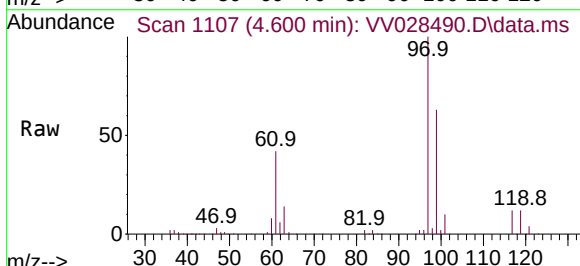
Tgt Ion: 97 Resp: 230100

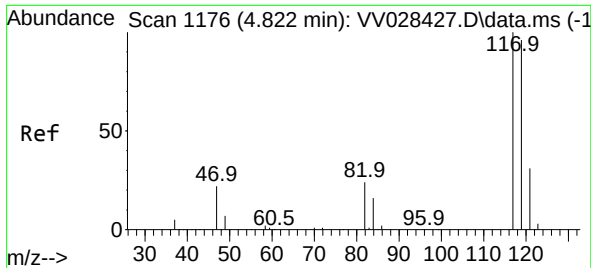
Ion Ratio Lower Upper

97 100

99 64.1 50.2 75.2

61 42.9 35.8 53.6

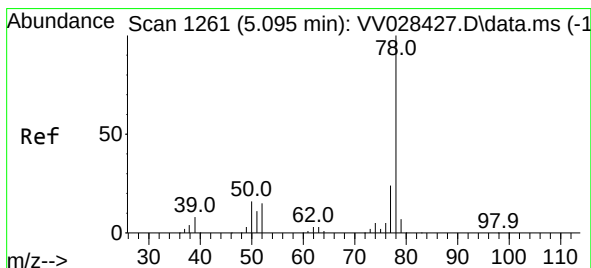
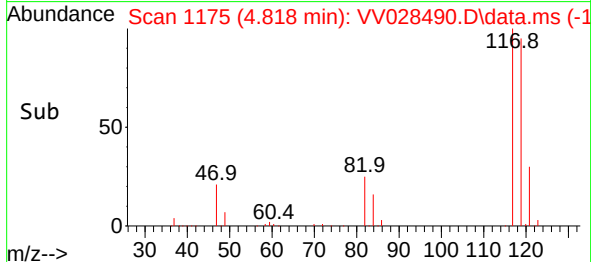
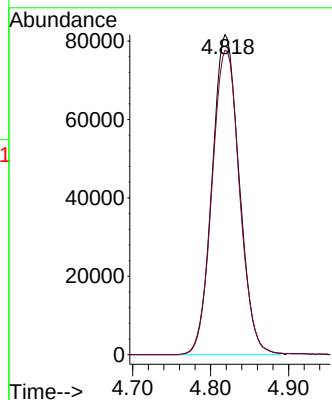
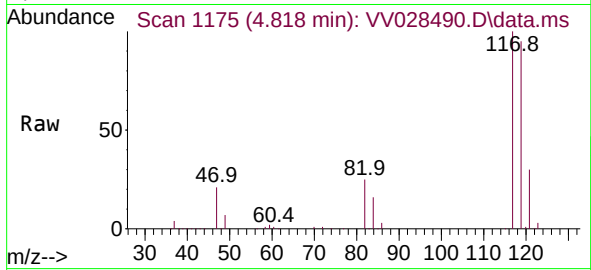




#31
Carbon tetrachloride
Concen: 56.893 ug/L
RT: 4.818 min Scan# 1175
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

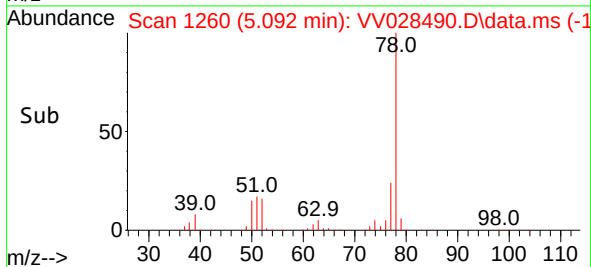
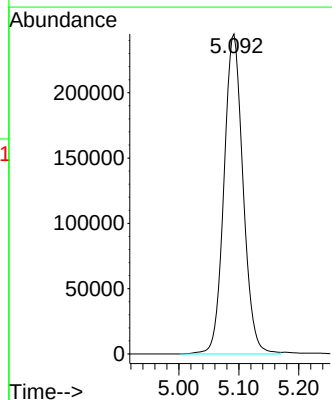
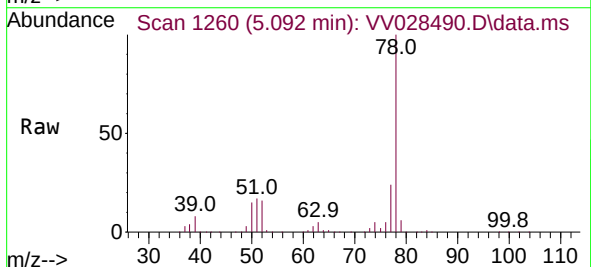
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

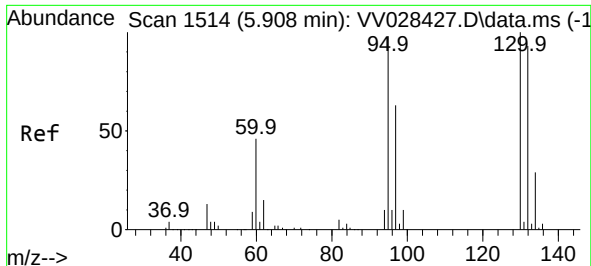
Tgt Ion:117 Resp: 197410
Ion Ratio Lower Upper
117 100
119 96.5 78.0 117.0



#33
Benzene
Concen: 51.172 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 78 Resp: 540023



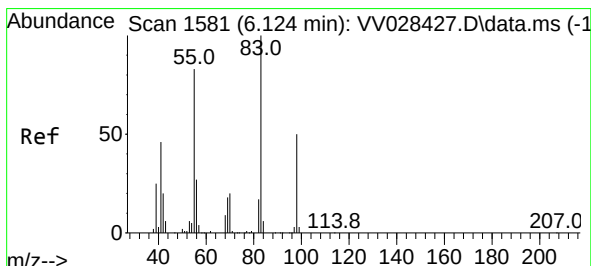
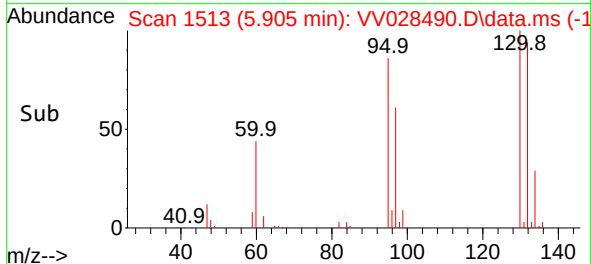
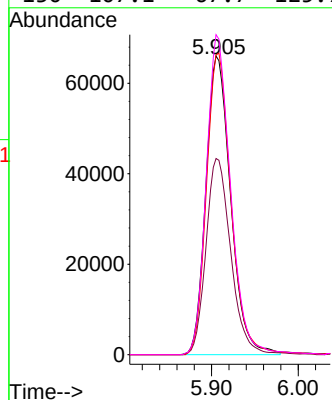
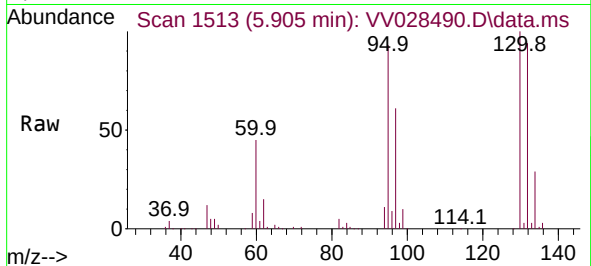


#34
 Trichloroethene
 Concen: 50.236 ug/L
 RT: 5.905 min Scan# 1513
 Delta R.T. -0.003 min
 Lab File: VV028490.D
 Acq: 10 Oct 2022 09:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050355

Tgt Ion: 95 Resp: 131515

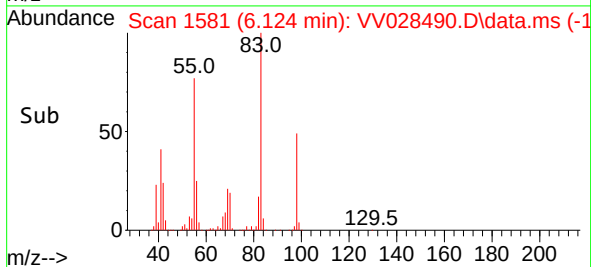
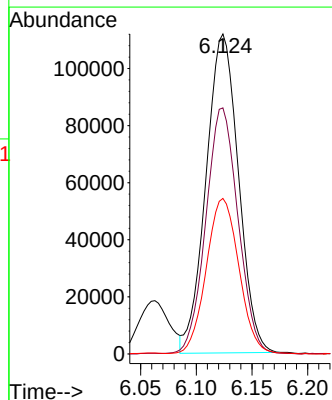
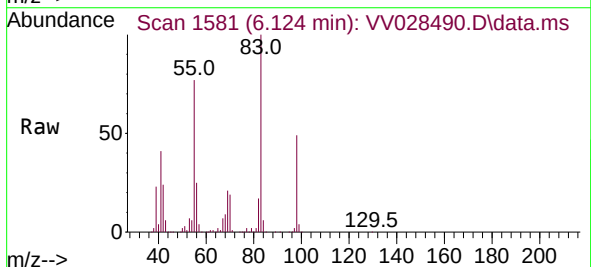
Ion	Ratio	Lower	Upper
95	100		
97	65.7	44.4	82.4
132	100.3	64.3	119.5
130	107.1	67.7	125.7

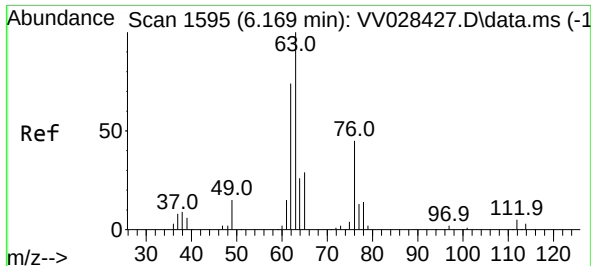


#35
 Methylcyclohexane
 Concen: 49.830 ug/L
 RT: 6.124 min Scan# 1581
 Delta R.T. -0.003 min
 Lab File: VV028490.D
 Acq: 10 Oct 2022 09:27

Tgt Ion: 83 Resp: 226796

Ion	Ratio	Lower	Upper
83	100		
55	76.8	63.7	95.5
98	49.2	38.2	57.2





#37

1,2-Dichloropropane

Concen: 48.809 ug/L

RT: 6.166 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

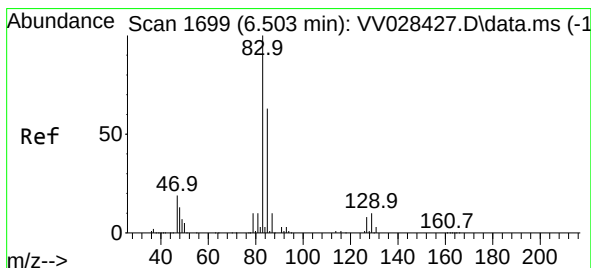
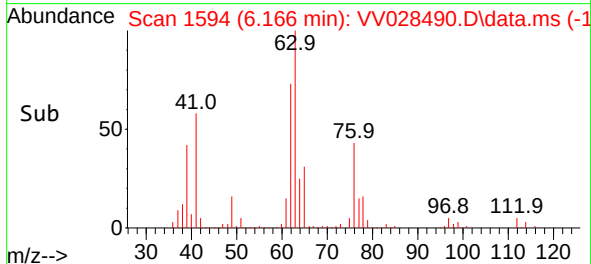
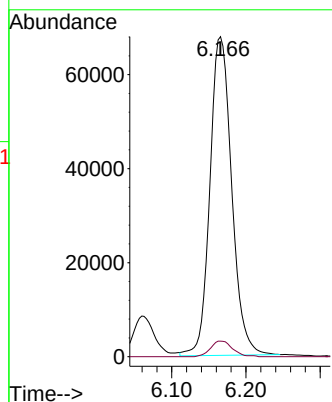
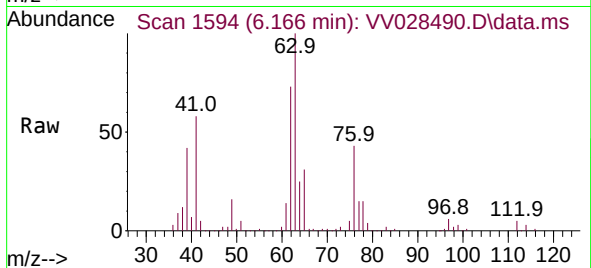
VSTD050355

Tgt Ion: 63 Resp: 138093

Ion Ratio Lower Upper

63 100

112 4.9 3.5 5.3



#38

Bromodichloromethane

Concen: 52.576 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

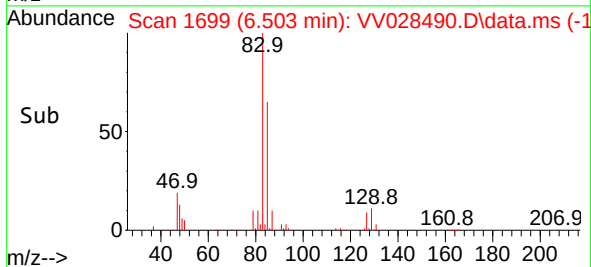
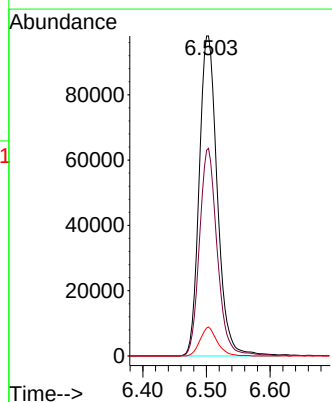
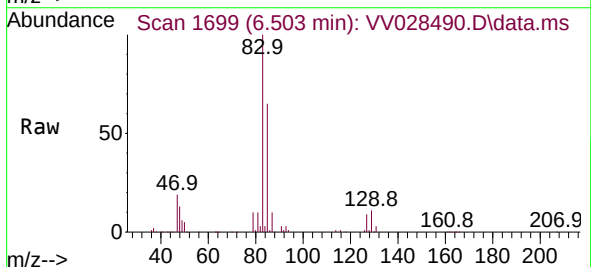
Tgt Ion: 83 Resp: 193794

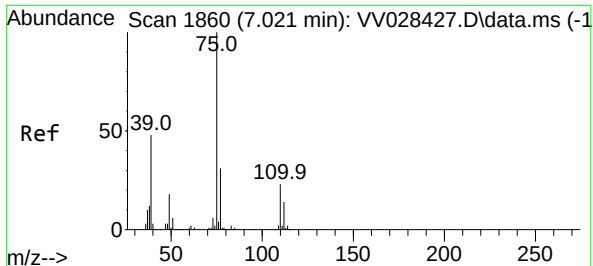
Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

127 9.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 46.398 ug/L

RT: 7.018 min Scan# 1859

Delta R.T. -0.003 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

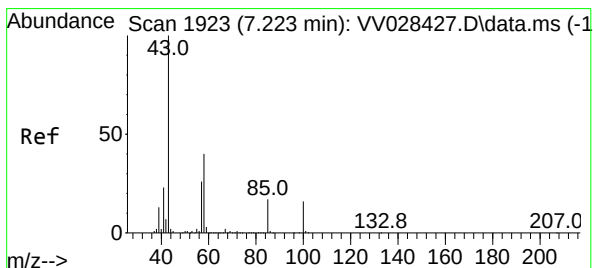
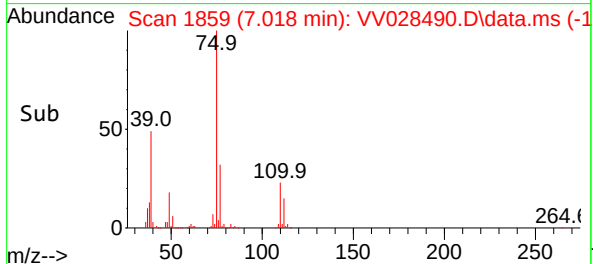
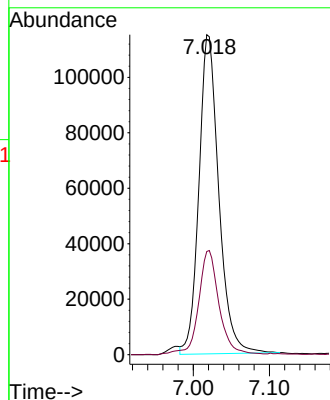
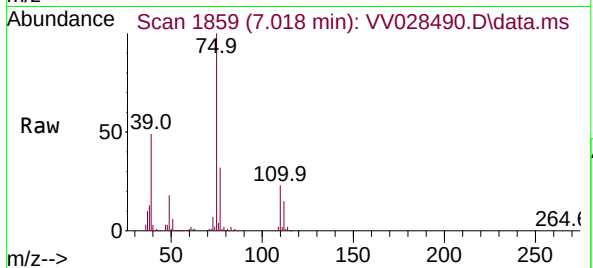
VSTD050355

Tgt Ion: 75 Resp: 208833

Ion Ratio Lower Upper

75 100

77 32.2 23.2 43.0



#40

4-Methyl-2-pentanone

Concen: 88.522 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.003 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

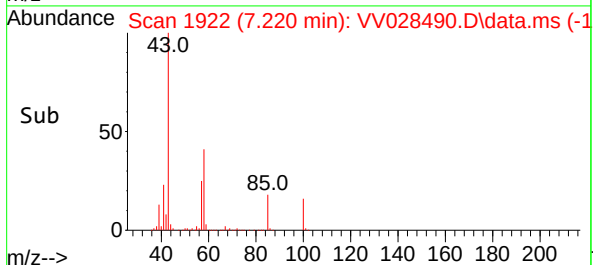
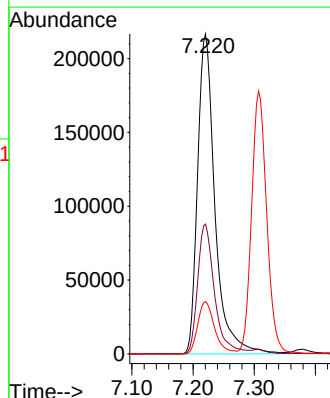
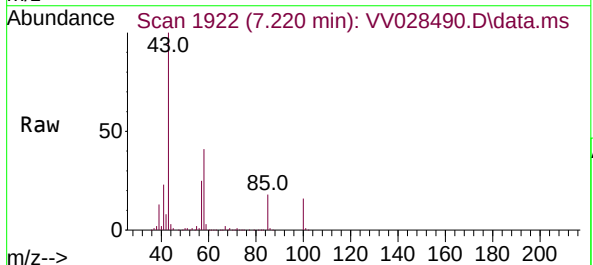
Tgt Ion: 43 Resp: 427149

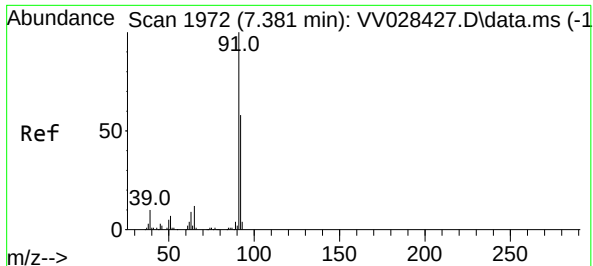
Ion Ratio Lower Upper

43 100

58 39.4 31.3 46.9

100 16.0 11.5 17.3





#42

Toluene

Concen: 51.514 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. 0.000 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

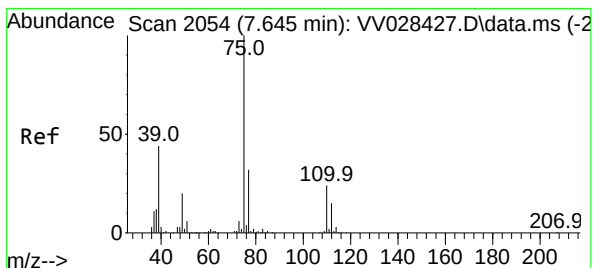
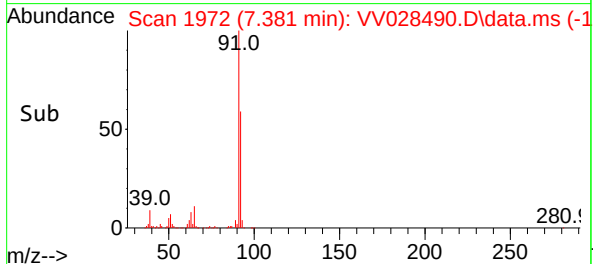
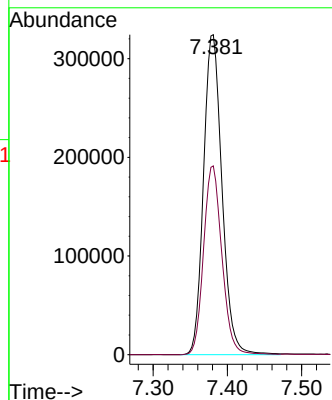
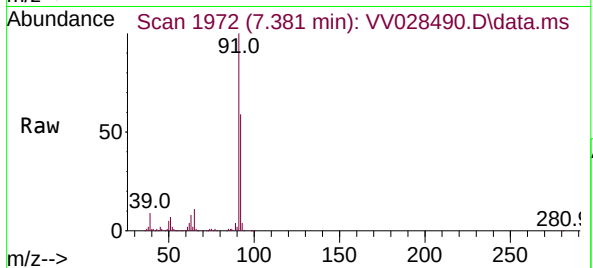
VSTD050355

Tgt Ion: 91 Resp: 560343

Ion Ratio Lower Upper

91 100

92 59.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 48.617 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.003 min

Lab File: VV028490.D

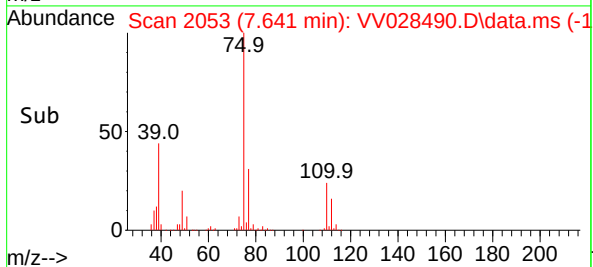
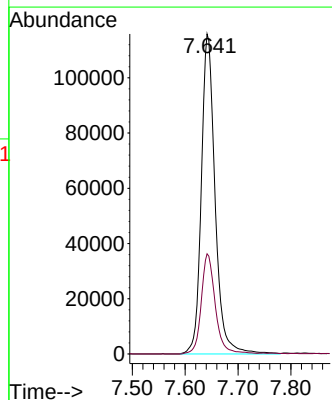
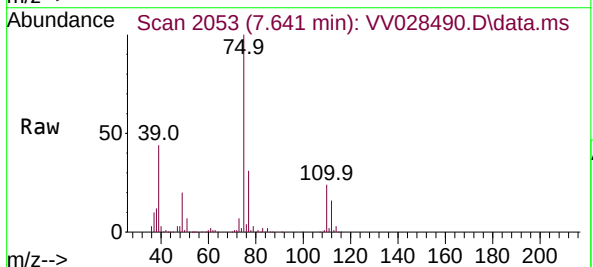
Acq: 10 Oct 2022 09:27

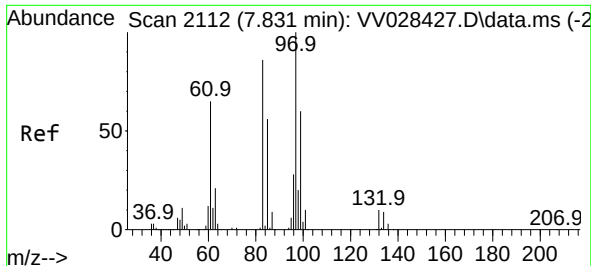
Tgt Ion: 75 Resp: 210015

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4



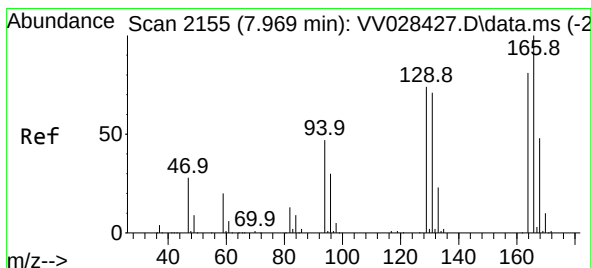
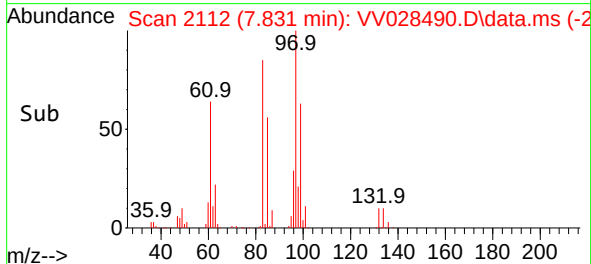
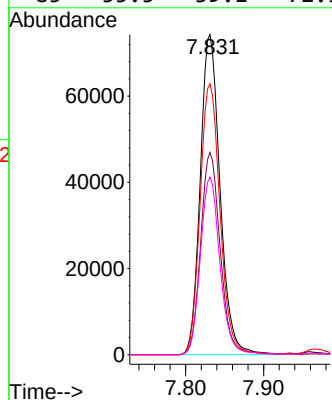
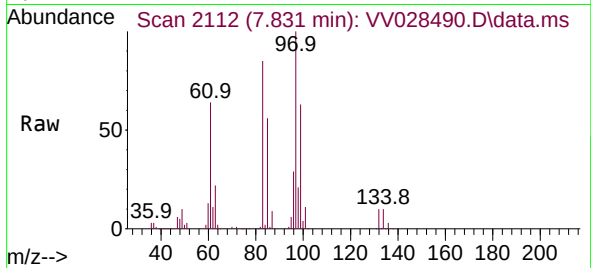


#45
1,1,2-Trichloroethane
Concen: 50.058 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

Tgt Ion: 97 Resp: 131179

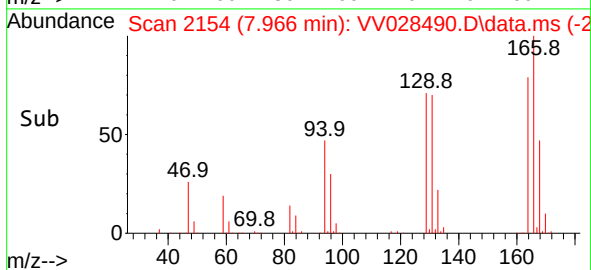
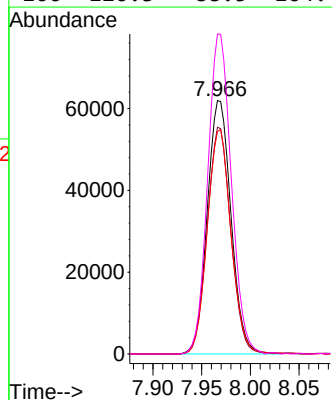
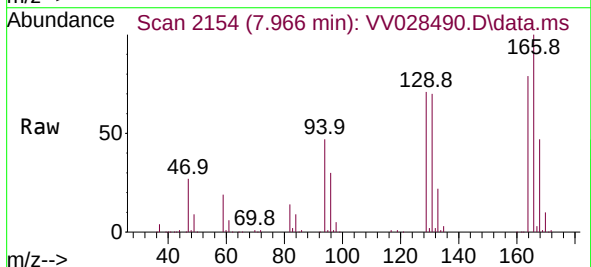
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.9	81.5
83	84.6	61.9	114.9
85	55.5	39.1	72.5

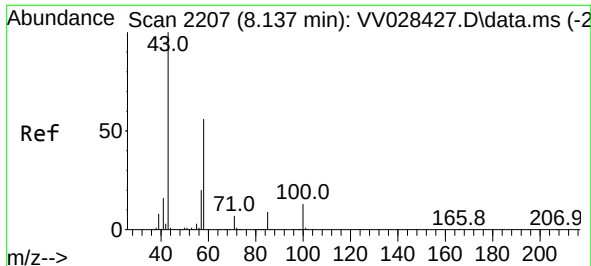


#46
Tetrachloroethene
Concen: 56.058 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 164 Resp: 105450

Ion	Ratio	Lower	Upper
164	100		
129	89.5	67.4	125.2
131	87.8	65.2	121.2
166	126.3	88.5	164.4

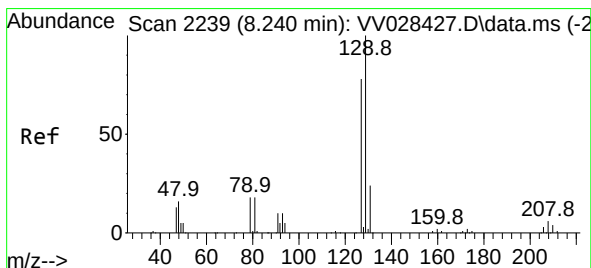
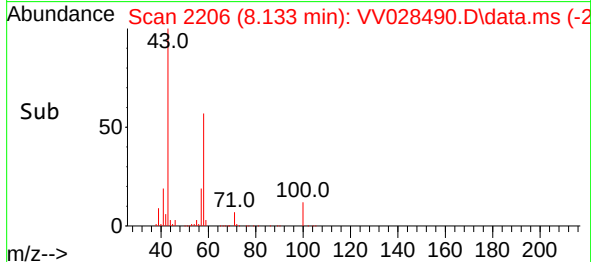
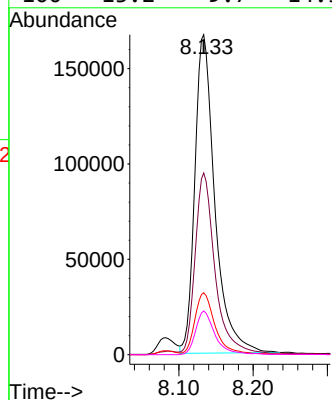
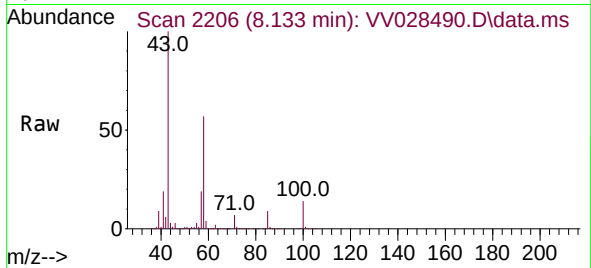




#48
2-Hexanone
Concen: 84.891 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

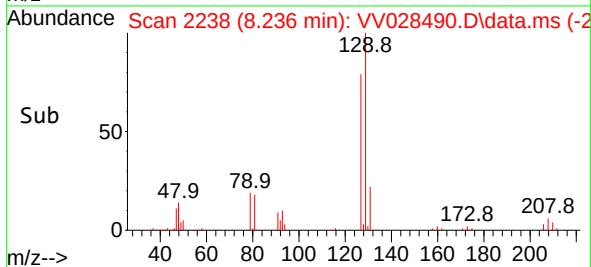
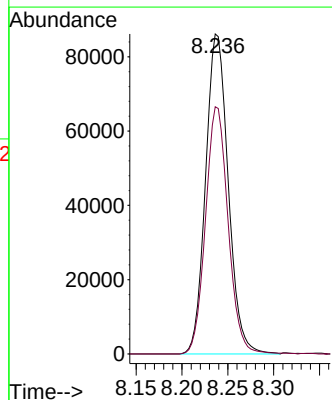
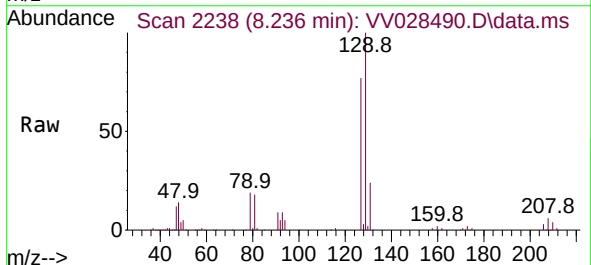
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

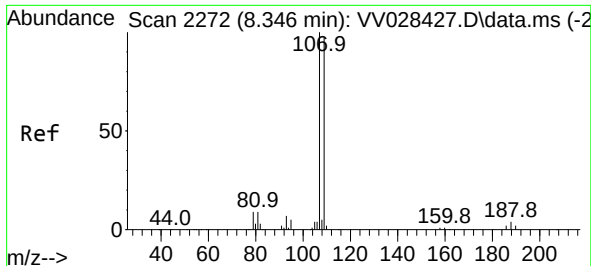
Tgt Ion: 43 Resp: 314465
Ion Ratio Lower Upper
43 100
58 55.8 43.9 65.9
57 19.6 15.1 22.7
100 13.2 9.7 14.5



#49
Dibromochloromethane
Concen: 52.606 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 129 Resp: 148182
Ion Ratio Lower Upper
129 100
127 77.2 53.6 99.6

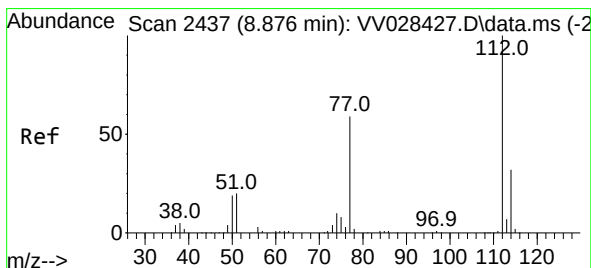
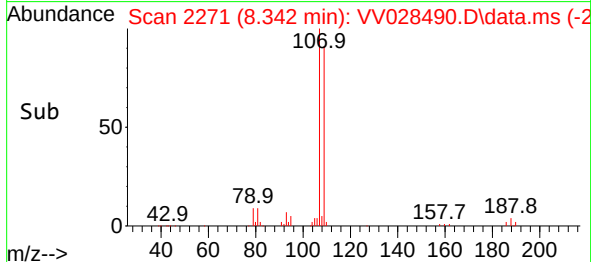
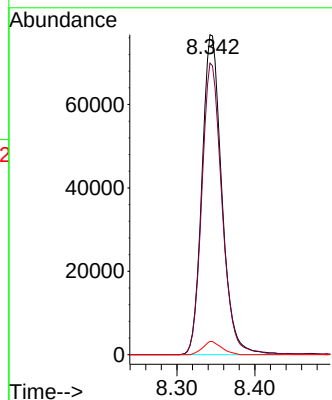
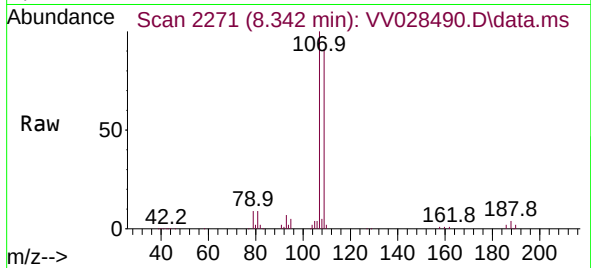




#50
1,2-Dibromoethane
Concen: 49.937 ug/L
RT: 8.342 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

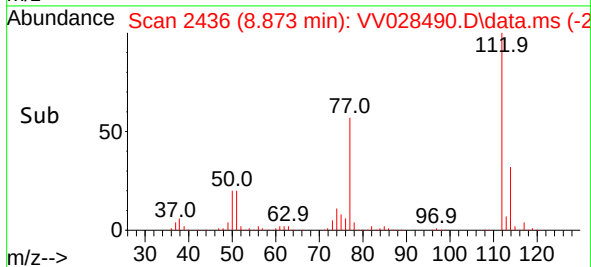
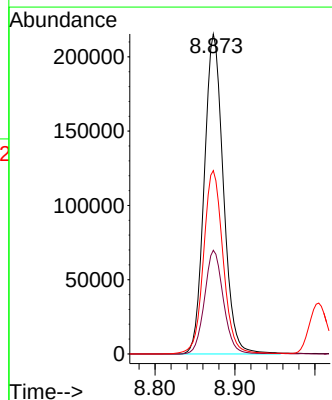
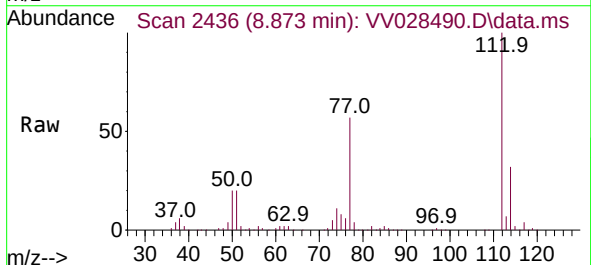
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

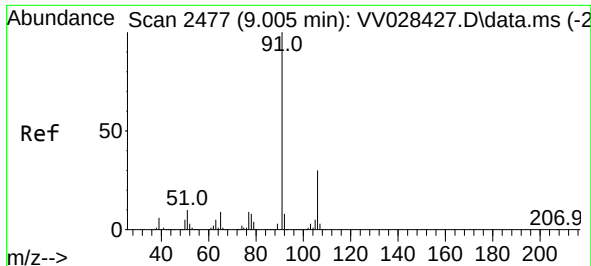
Tgt Ion:107 Resp: 135499
Ion Ratio Lower Upper
107 100
109 91.1 65.9 122.5
188 4.1 3.0 4.4



#51
Chlorobenzene
Concen: 52.505 ug/L
RT: 8.873 min Scan# 2436
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion:112 Resp: 358326
Ion Ratio Lower Upper
112 100
114 32.4 21.7 40.3
77 57.3 48.7 73.1

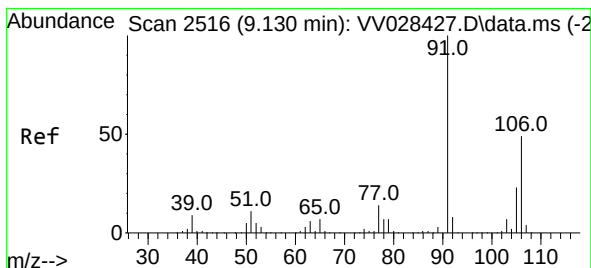
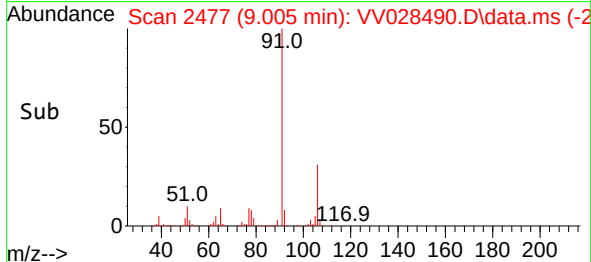
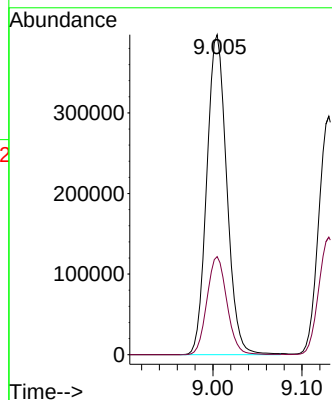
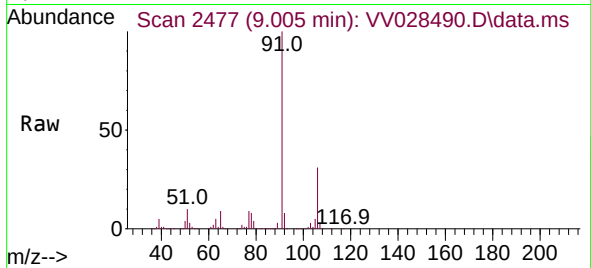




#52
Ethylbenzene
Concen: 52.092 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

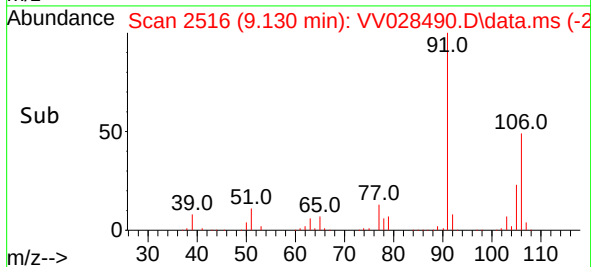
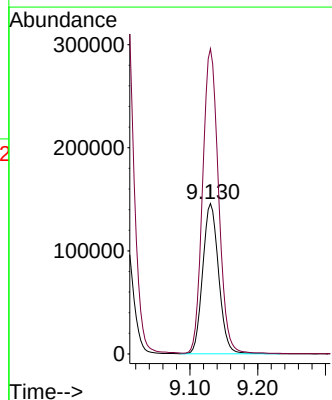
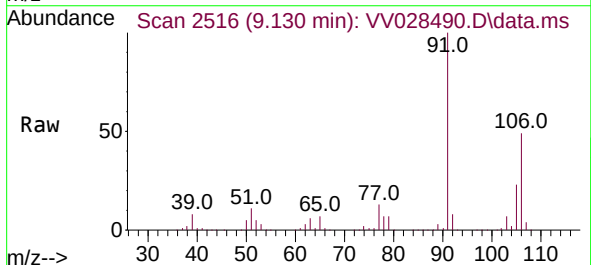
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

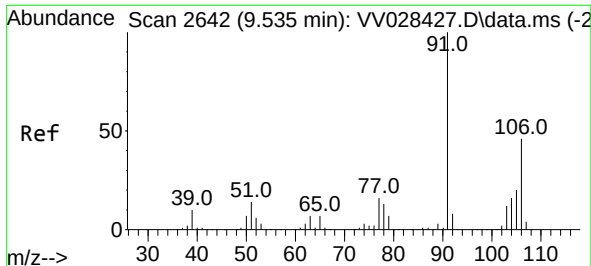
Tgt Ion: 91 Resp: 617589
Ion Ratio Lower Upper
91 100
106 30.7 21.4 39.8



#53
m,p-Xylene
Concen: 52.772 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 106 Resp: 237144
Ion Ratio Lower Upper
106 100
91 203.0 145.2 269.6

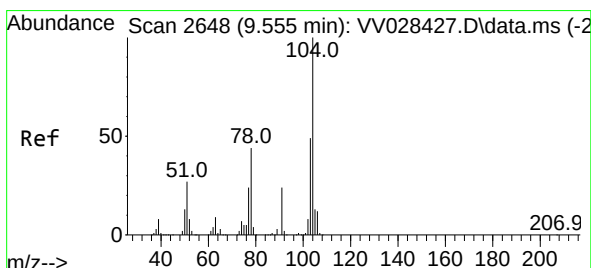
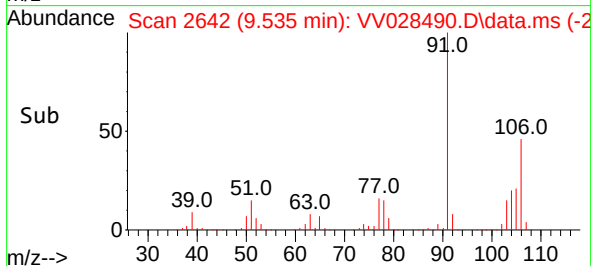
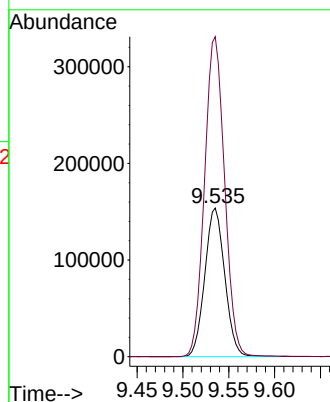
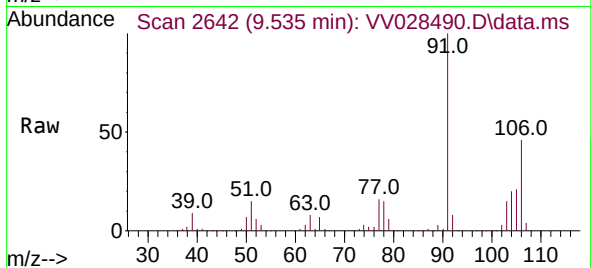




#54
o-Xylene
Concen: 51.713 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

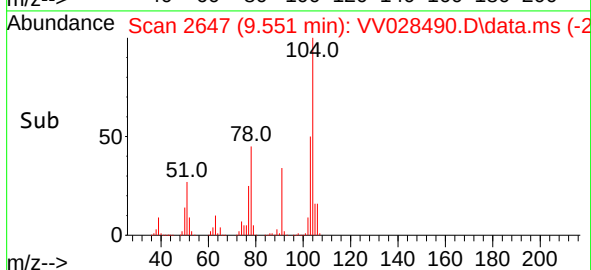
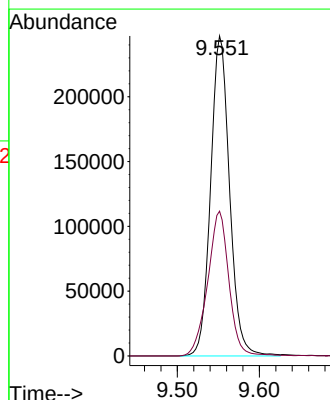
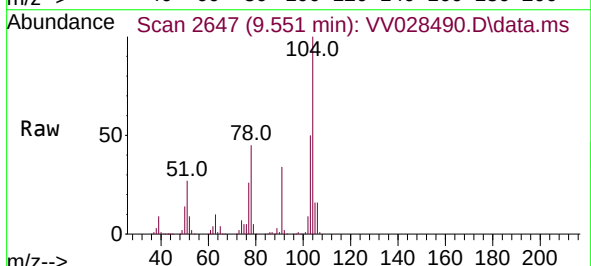
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

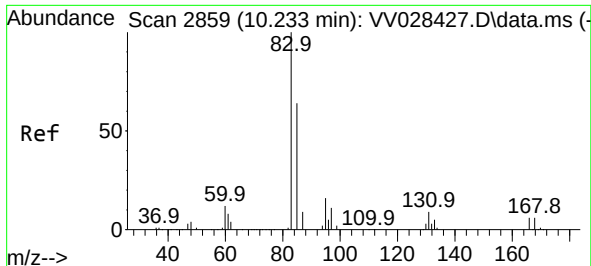
Tgt Ion:106 Resp: 232682
Ion Ratio Lower Upper
106 100
91 215.3 152.5 283.3



#55
Styrene
Concen: 51.449 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion:104 Resp: 397545
Ion Ratio Lower Upper
104 100
78 45.3 31.9 59.2

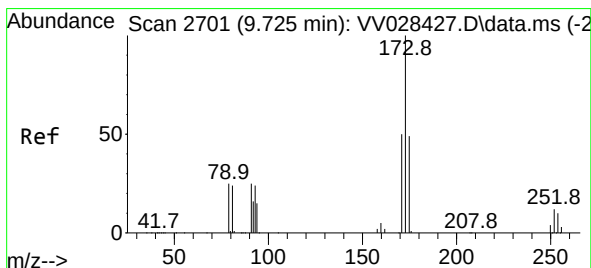
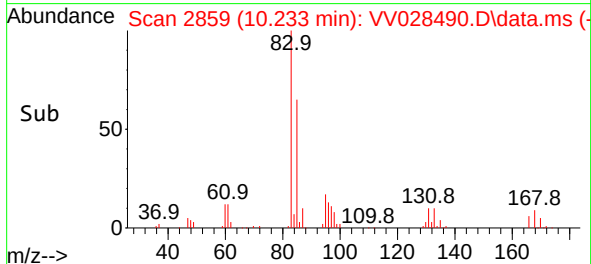
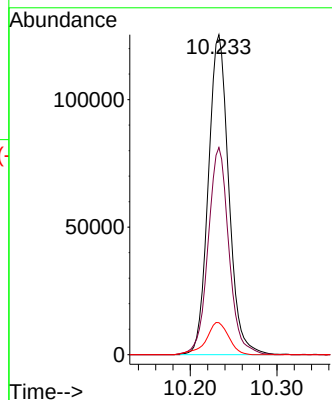
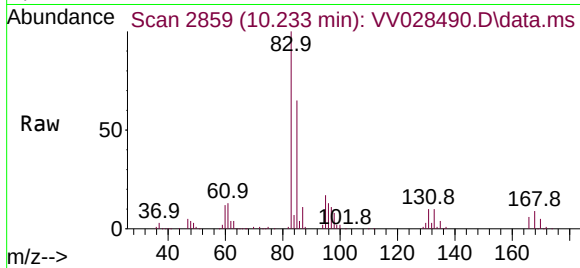




#57
1,1,2,2-Tetrachloroethane
Concen: 45.736 ug/L
RT: 10.233 min Scan# 2859
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

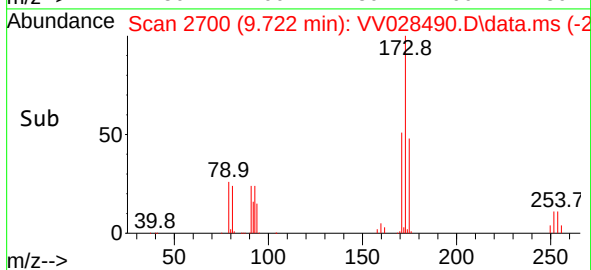
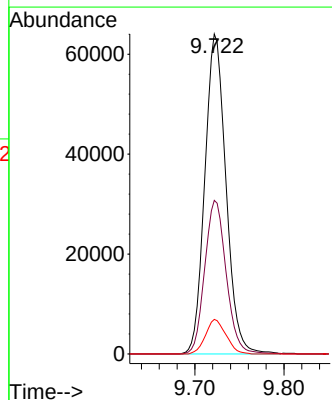
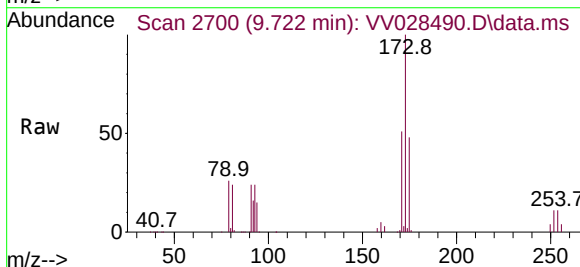
Instrument : MSVOA_V
ClientSampleId : VSTD050355

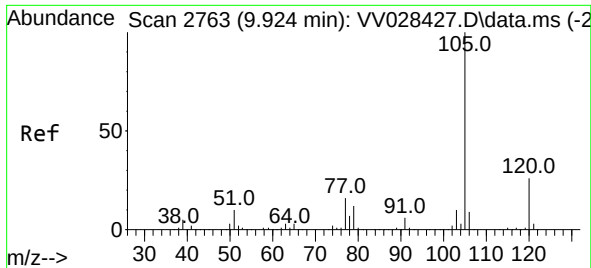
Tgt Ion: 83 Resp: 205258
Ion Ratio Lower Upper
83 100
85 64.8 44.8 83.2
131 10.0 7.2 10.8



#59
Bromoform
Concen: 50.480 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 173 Resp: 105587
Ion Ratio Lower Upper
173 100
175 48.6 38.6 57.8
254 10.4 8.4 12.6

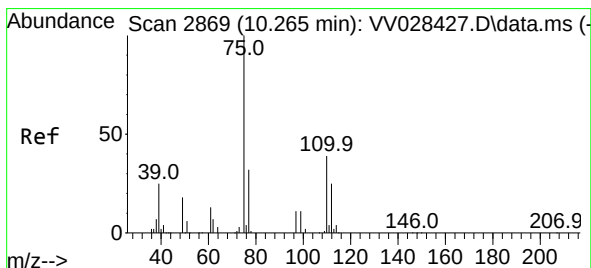
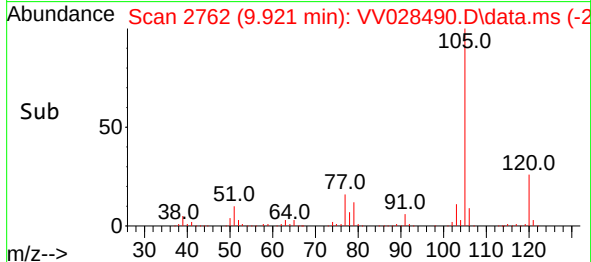
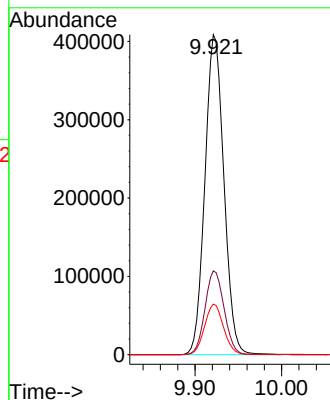
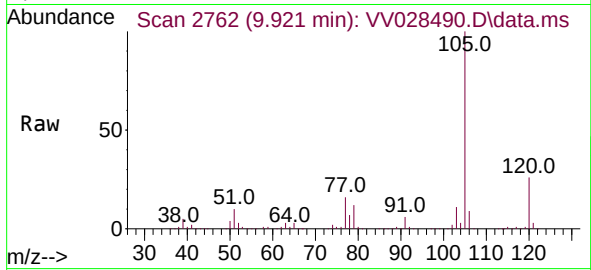




#60
Isopropylbenzene
Concen: 51.050 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

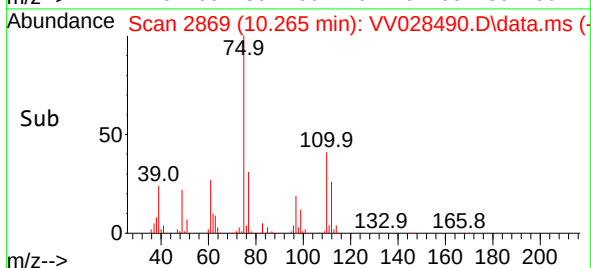
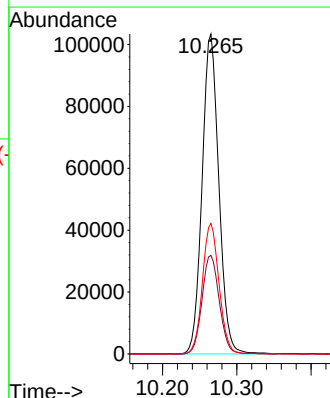
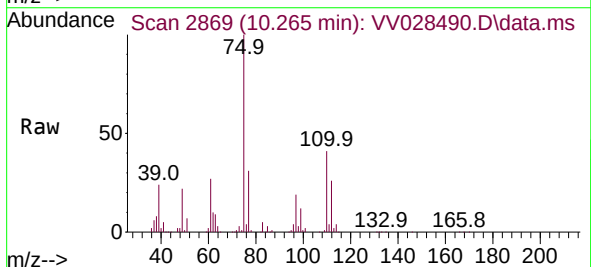
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

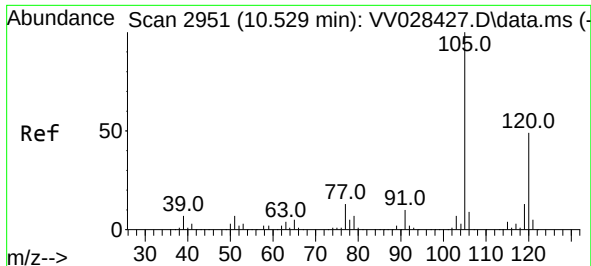
Tgt Ion:105 Resp: 621342
Ion Ratio Lower Upper
105 100
120 26.4 20.5 30.7
77 15.9 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 45.027 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 75 Resp: 161909
Ion Ratio Lower Upper
75 100
77 31.7 25.7 38.5
110 40.5 30.0 45.0





#62

1,3,5-Trimethylbenzene

Concen: 51.356 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

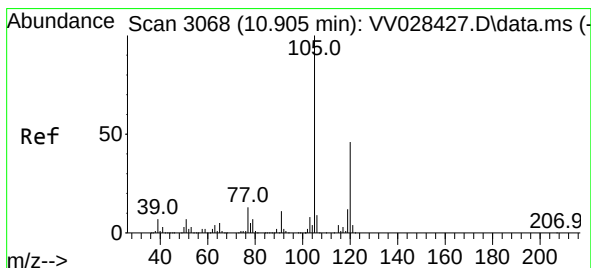
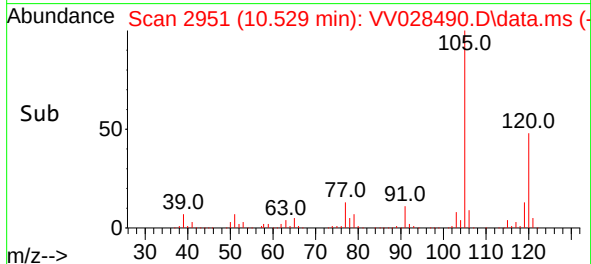
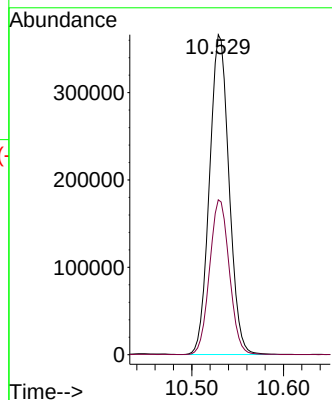
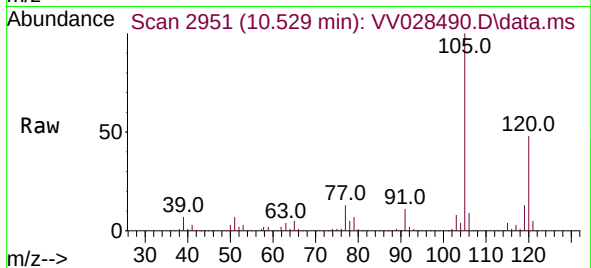
VSTD050355

Tgt Ion:105 Resp: 541368

Ion Ratio Lower Upper

105 100

120 48.9 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 51.450 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV028490.D

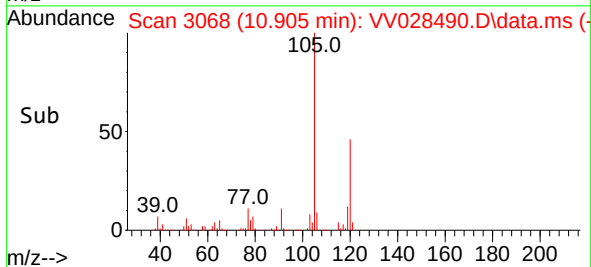
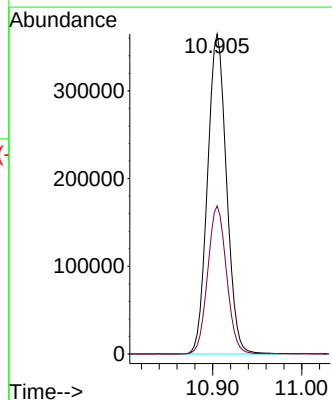
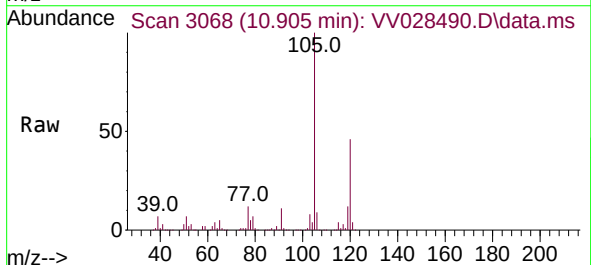
Acq: 10 Oct 2022 09:27

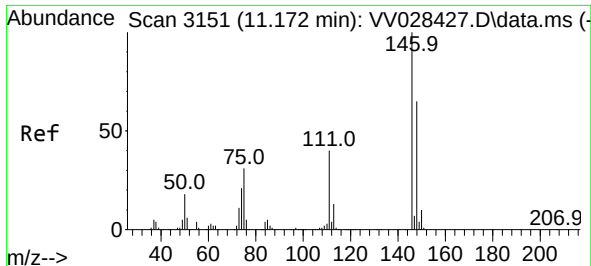
Tgt Ion:105 Resp: 538340

Ion Ratio Lower Upper

105 100

120 45.9 35.9 53.9

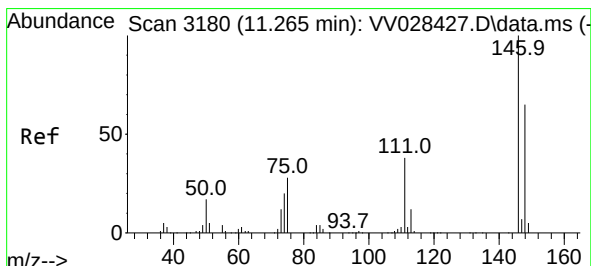
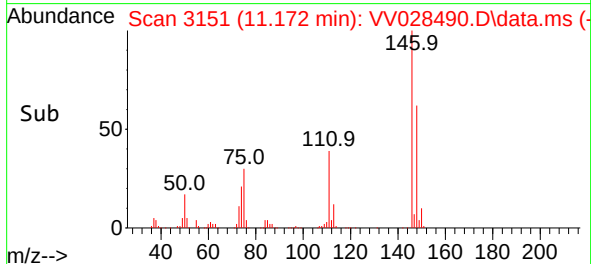
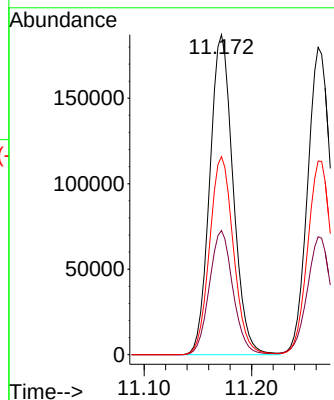
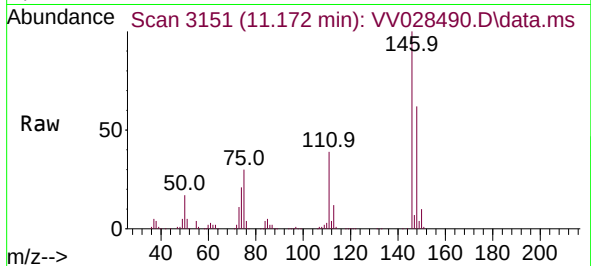




#64
1,3-Dichlorobenzene
Concen: 52.993 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

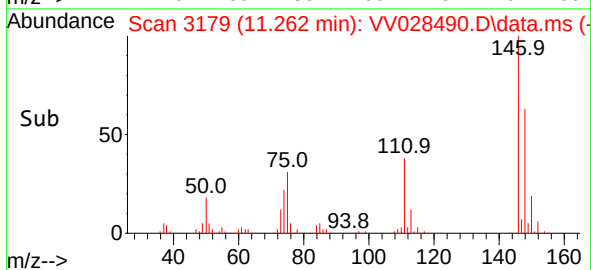
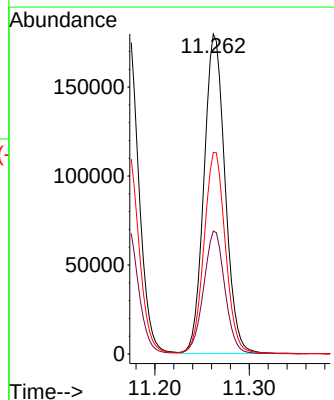
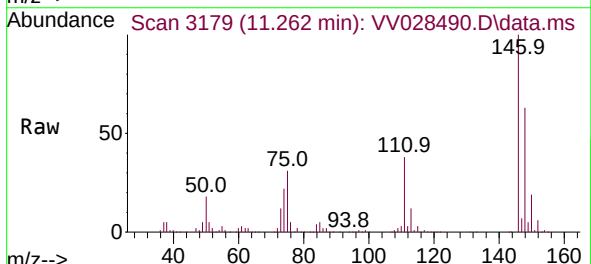
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

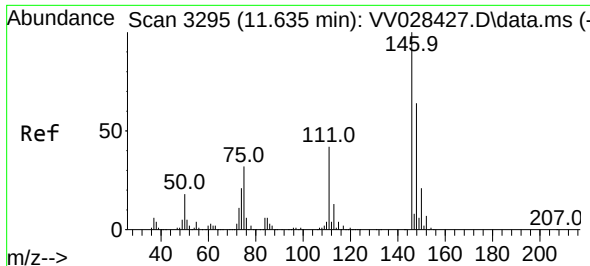
Tgt Ion:146 Resp: 282105
Ion Ratio Lower Upper
146 100
111 38.8 29.0 53.9
148 61.9 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 52.399 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion:146 Resp: 278337
Ion Ratio Lower Upper
146 100
111 38.4 26.6 49.4
148 63.0 43.4 80.6

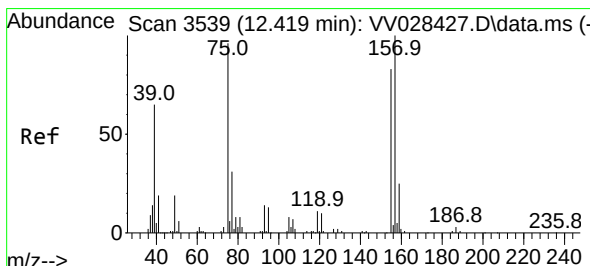
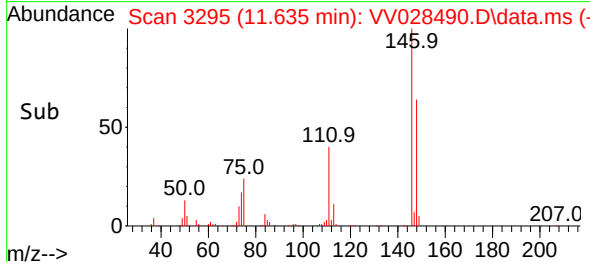
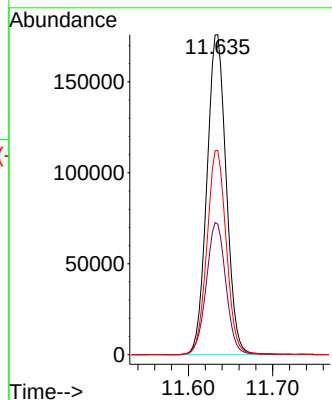
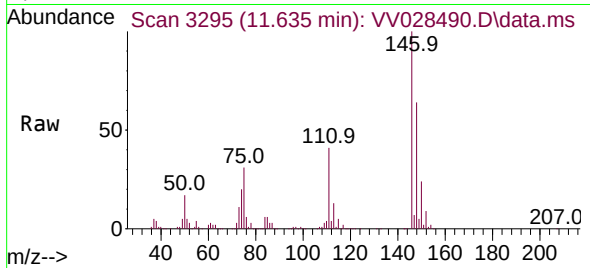




#67
1,2-Dichlorobenzene
Concen: 52.317 ug/L
RT: 11.635 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

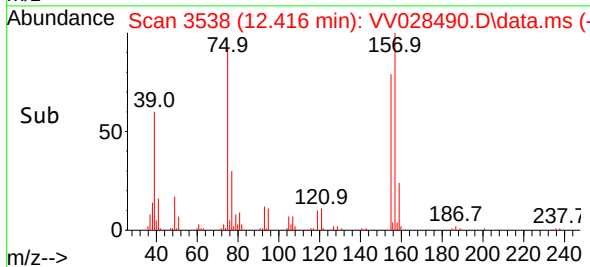
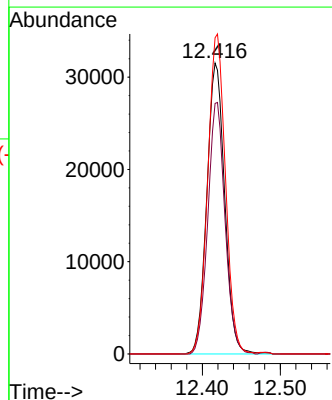
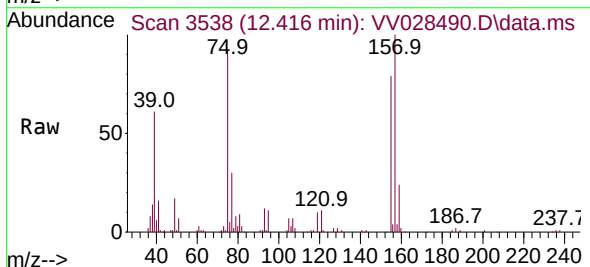
Instrument :
MSVOA_V
ClientSampleId :
VSTD050355

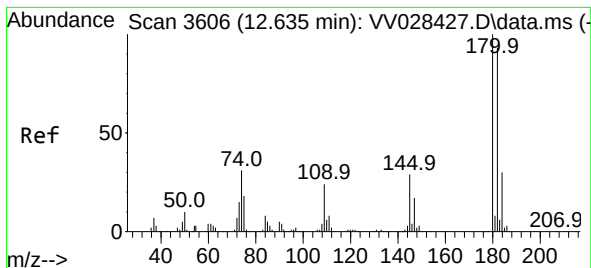
Tgt Ion:146 Resp: 281091
Ion Ratio Lower Upper
146 100
111 40.8 33.9 50.9
148 63.8 50.6 75.8



#68
1,2-Dibromo-3-chloropropane
Concen: 45.669 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VV028490.D
Acq: 10 Oct 2022 09:27

Tgt Ion: 75 Resp: 50254
Ion Ratio Lower Upper
75 100
155 86.1 65.0 97.6
157 108.7 86.0 129.0





#69

1,3,5-Trichlorobenzene

Concen: 53.660 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

Tgt Ion:180 Resp: 216962

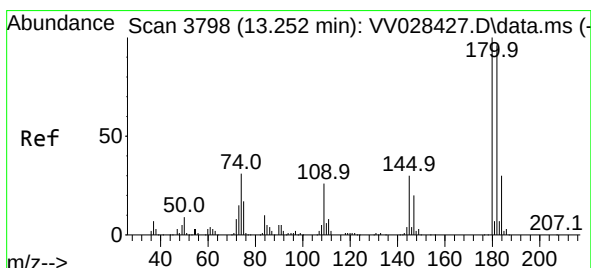
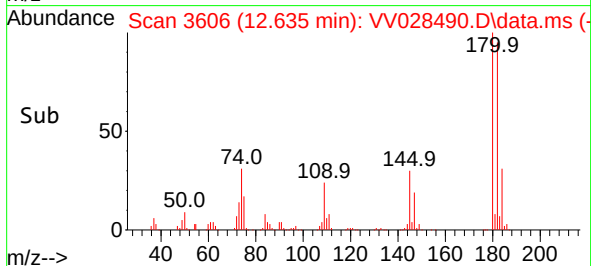
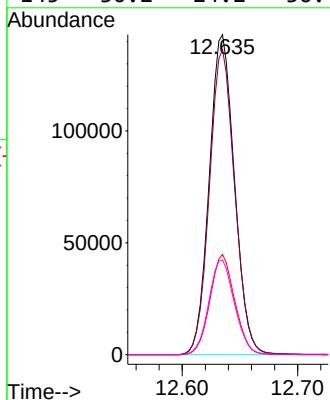
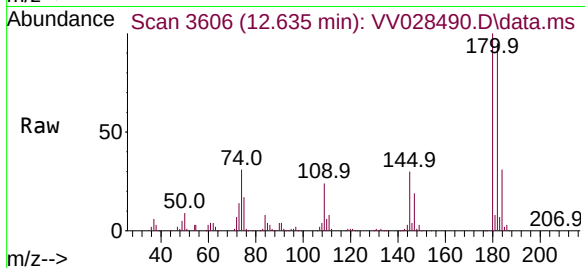
Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

184 30.8 24.0 36.0

145 30.2 24.2 36.4



#70

1,2,4-trichlorobenzene

Concen: 55.289 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

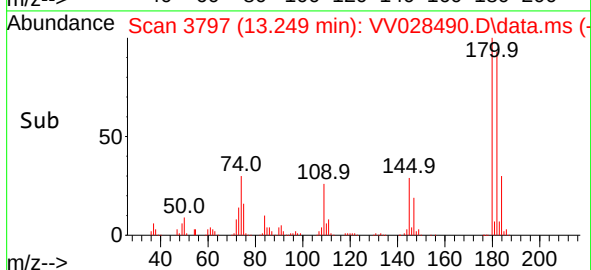
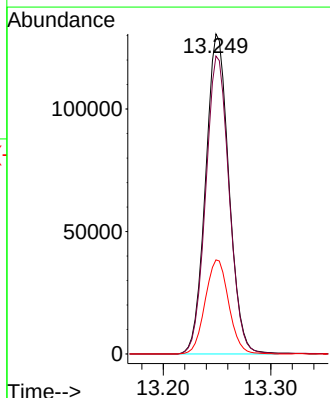
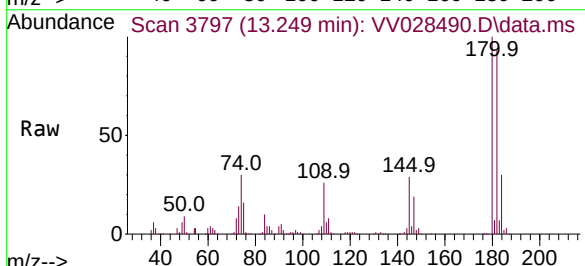
Tgt Ion:180 Resp: 197038

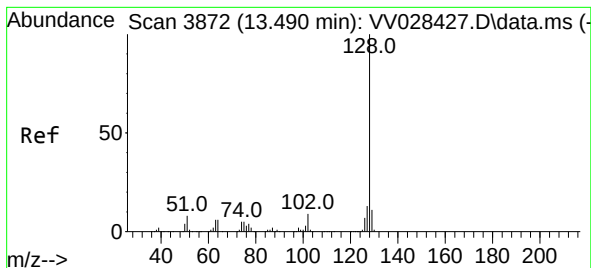
Ion Ratio Lower Upper

180 100

182 93.6 75.3 112.9

145 29.7 24.3 36.5





#71

Naphthalene

Concen: 53.144 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD050355

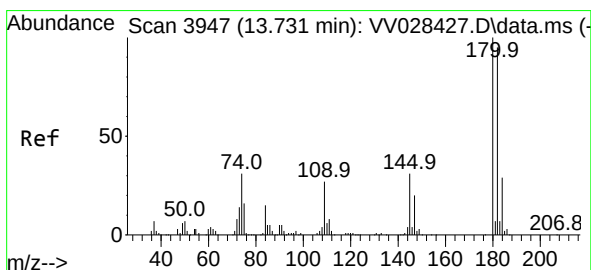
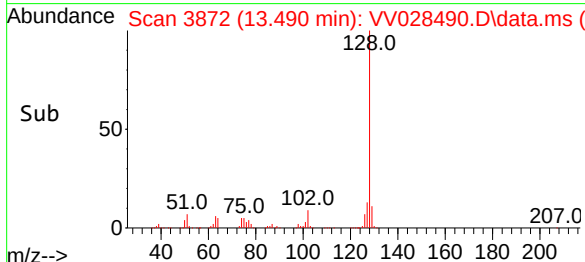
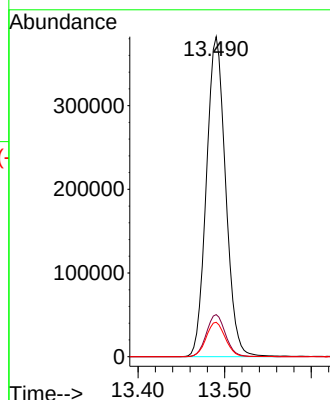
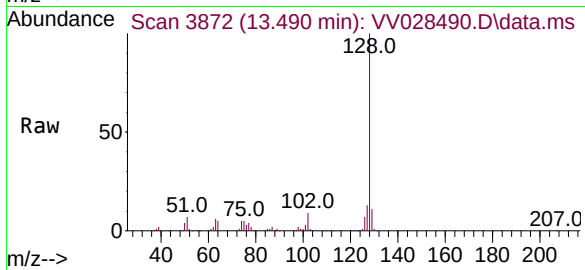
Tgt Ion:128 Resp: 589068

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.8 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 55.819 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV028490.D

Acq: 10 Oct 2022 09:27

Tgt Ion:180 Resp: 193946

Ion Ratio Lower Upper

180 100

182 94.6 75.4 113.0

145 31.0 26.5 39.7

