

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VV029639.D
 Acq On : 13 Dec 2022 08:40
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050385

Quant Time: Dec 13 08:59:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 04:57:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	556426	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	512748	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	280034	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	156467	45.921	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.840%
7) Chloroethane-d5	1.564	69	123207	47.420	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.840%
11) 1,1-Dichloroethene-d2	2.108	63	265803	50.015	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.020%
21) 2-Butanone-d5	3.870	46	163713	78.763	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.760%
24) Chloroform-d	4.339	84	268931	41.942	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.880%
26) 1,2-Dichloroethane-d4	5.024	65	150026	40.967	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.940%
32) Benzene-d6	5.043	84	567775	41.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.820%
36) 1,2-Dichloropropane-d6	6.063	67	168341	40.677	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.360%
41) Toluene-d8	7.307	98	527837	41.348	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.700%
43) trans-1,3-Dichloroprop...	7.612	79	72483	34.685	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.360%
47) 2-Hexanone-d5	8.082	63	139996	79.218	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.220%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	219599	37.133	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.260%
66) 1,2-Dichlorobenzene-d4	11.612	152	208487	39.110	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.220%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	190566	43.480	ug/L	100
3) Chloromethane	1.240	50	205106	41.045	ug/L	100
5) Vinyl chloride	1.310	62	200932	48.059	ug/L	99
6) Bromomethane	1.516	94	96872	57.583	ug/L	99
8) Chloroethane	1.580	64	123033	52.848	ug/L	100
9) Trichlorofluoromethane	1.751	101	254839	48.690	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	146152	50.254	ug/L	99
12) 1,1-Dichloroethene	2.117	96	149743	50.347	ug/L	96
13) Acetone	2.159	43	115414	85.235	ug/L	99
14) Carbon disulfide	2.291	76	449503	45.411	ug/L	99
15) Methyl Acetate	2.423	43	151726	49.182	ug/L	97
16) Methylene chloride	2.503	84	177907	48.108	ug/L	97
17) trans-1,2-Dichloroethene	2.754	96	164858	48.106	ug/L	96
18) Methyl tert-butyl Ether	2.764	73	512834	48.843	ug/L	99
19) 1,1-Dichloroethane	3.185	63	288838	49.198	ug/L	98
20) cis-1,2-Dichloroethene	3.905	96	182727	48.489	ug/L	95
22) 2-Butanone	3.953	43	199279	92.491	ug/L	97
23) Bromochloromethane	4.240	128	94990	48.952	ug/L	97
25) Chloroform	4.365	83	293892	48.286	ug/L	100

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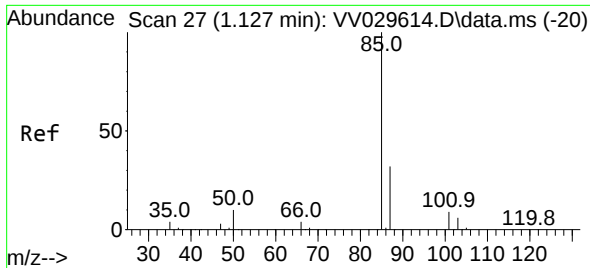
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.121	62	206702	48.075	ug/L	98
29) Cyclohexane	4.670	56	261848	47.142	ug/L	97
30) 1,1,1-Trichloroethane	4.600	97	261606	46.829	ug/L	98
31) Carbon tetrachloride	4.822	117	224024	45.922	ug/L	99
33) Benzene	5.092	78	685824	47.452	ug/L	100
34) Trichloroethene	5.908	95	170935	47.198	ug/L	99
35) Methylcyclohexane	6.124	83	287561	46.749	ug/L	98
37) 1,2-Dichloropropane	6.165	63	172712	49.511	ug/L	99
38) Bromodichloromethane	6.503	83	222301	46.163	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	228887	39.897	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	418388	100.595	ug/L	97
42) Toluene	7.381	91	734606	47.223	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	219372	40.378	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	172213	47.786	ug/L	100
46) Tetrachloroethene	7.966	164	139731	47.988	ug/L	97
48) 2-Hexanone	8.133	43	313430	98.638	ug/L	96
49) Dibromochloromethane	8.236	129	184171	46.287	ug/L	98
50) 1,2-Dibromoethane	8.342	107	171112	46.087	ug/L	99
51) Chlorobenzene	8.873	112	480417	48.771	ug/L	100
52) Ethylbenzene	9.005	91	790343	48.324	ug/L	99
53) m,p-Xylene	9.130	106	312076	48.211	ug/L	99
54) o-Xylene	9.535	106	295398	46.135	ug/L	98
55) Styrene	9.551	104	526920	47.354	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.230	83	263010	45.623	ug/L	100
59) Bromoform	9.722	173	131128	42.389	ug/L	99
60) Isopropylbenzene	9.921	105	776392	47.222	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	198304	45.877	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	679392	46.735	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	680366	47.215	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	384516	47.832	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	387223	47.396	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	388275	47.233	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	54238	40.372	ug/L	97
69) 1,3,5-Trichlorobenzene	12.631	180	301700	47.159	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	272704	47.936	ug/L	100
71) Naphthalene	13.490	128	707163	54.802	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	272161	48.844	ug/L	100

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

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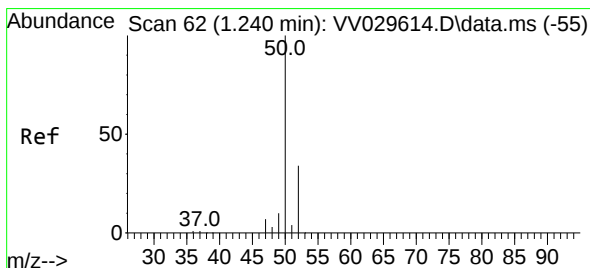
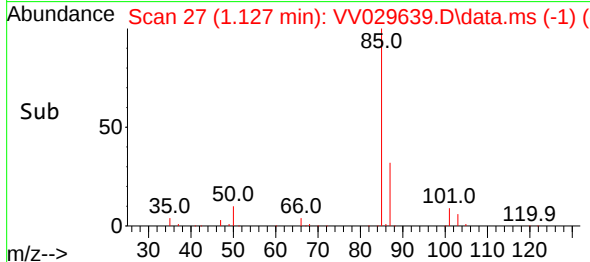
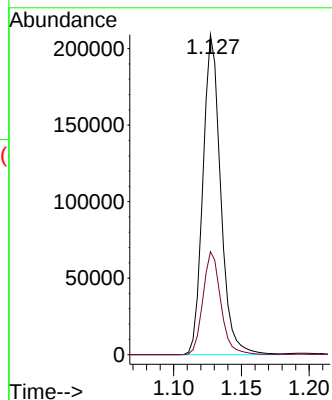
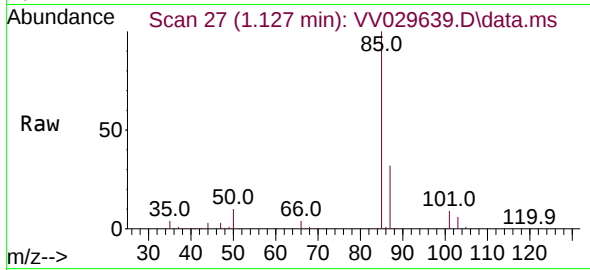




#2
 Dichlorodifluoromethane
 Concen: 43.480 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV029639.D
 Acq: 13 Dec 2022 08:40

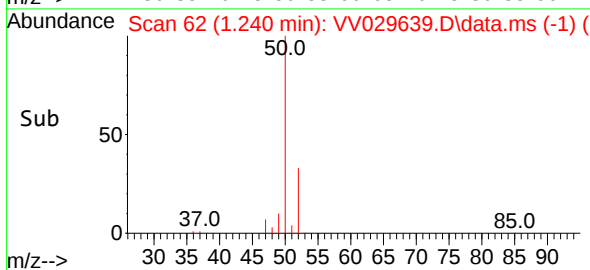
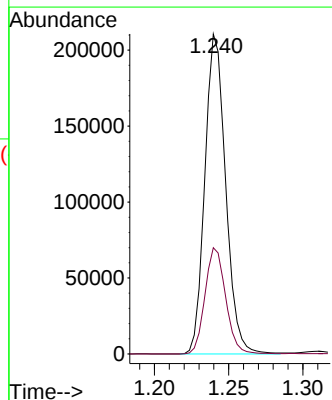
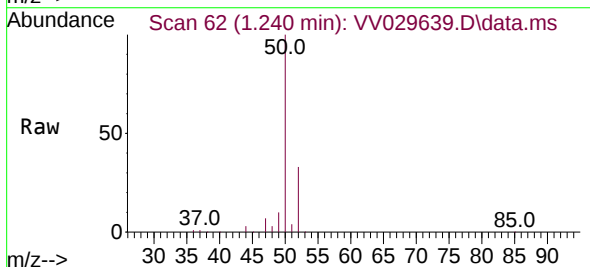
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050385

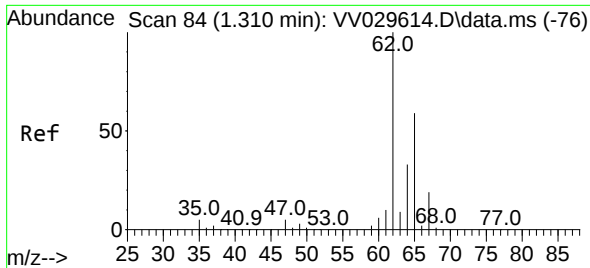
Tgt Ion: 85 Resp: 190566
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.9 38.9



#3
 Chloromethane
 Concen: 41.045 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029639.D
 Acq: 13 Dec 2022 08:40

Tgt Ion: 50 Resp: 205106
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.3 43.3

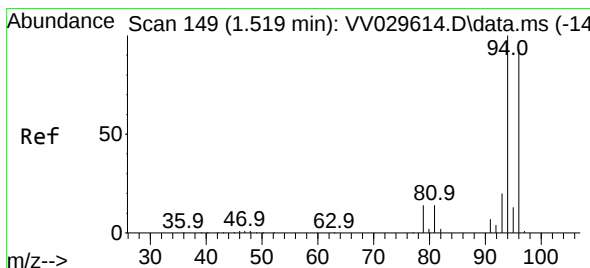
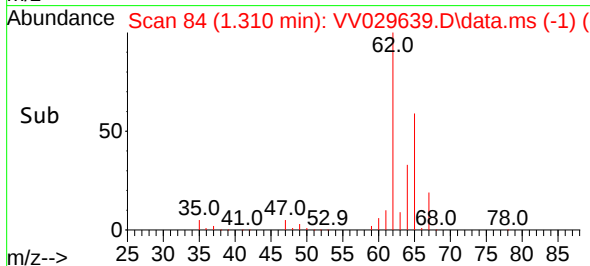
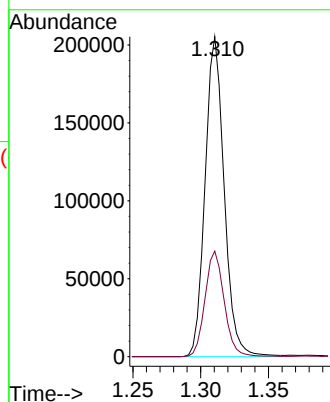
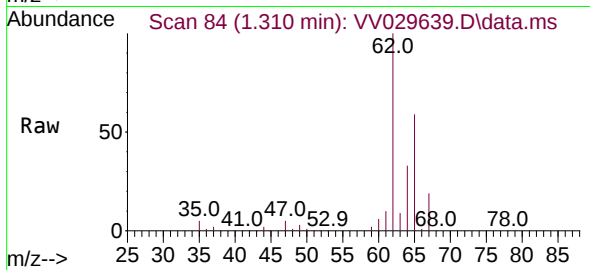




#5
 Vinyl chloride
 Concen: 48.059 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029639.D
 Acq: 13 Dec 2022 08:40

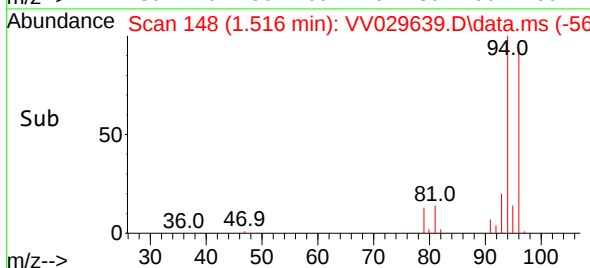
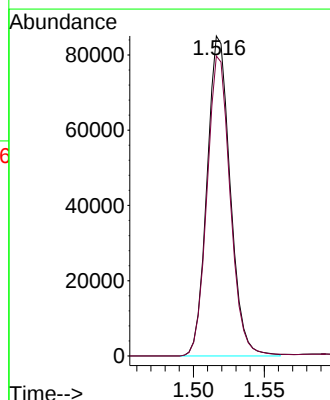
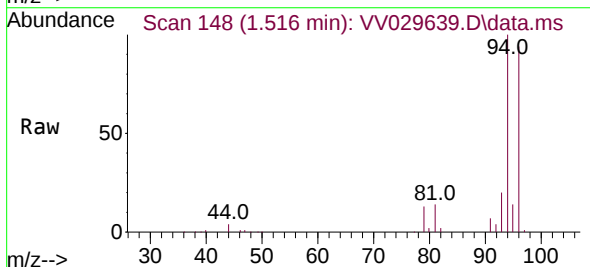
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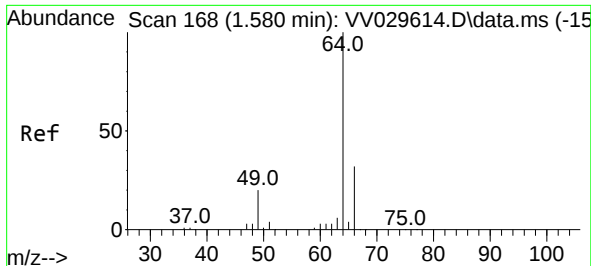
Tgt Ion: 62 Resp: 200932
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.5 41.9



#6
 Bromomethane
 Concen: 57.583 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV029639.D
 Acq: 13 Dec 2022 08:40

Tgt Ion: 94 Resp: 96872
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.1 120.9

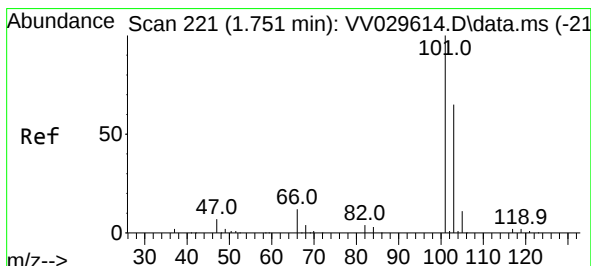
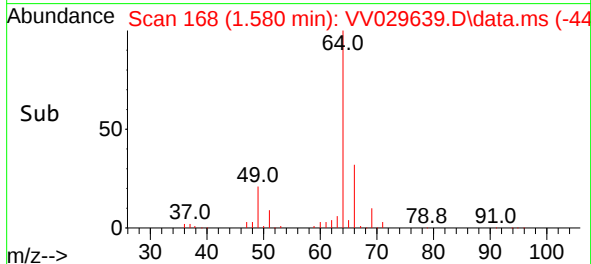
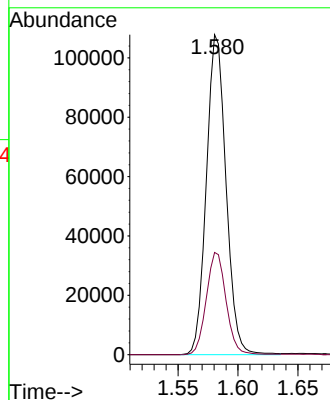
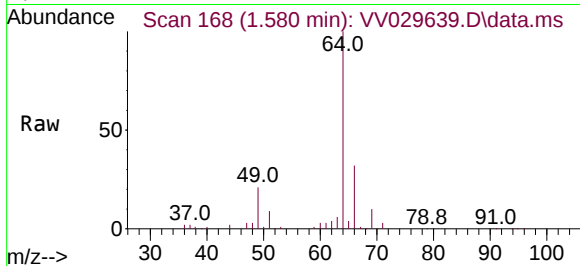




#8
Chloroethane
Concen: 52.848 ug/L
RT: 1.580 min Scan# 168
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

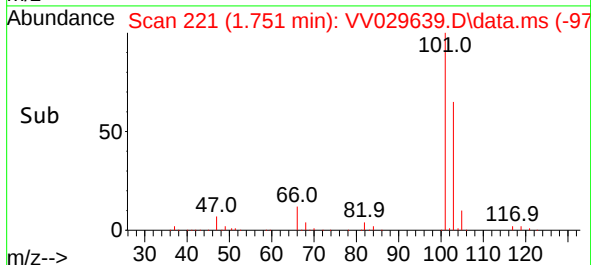
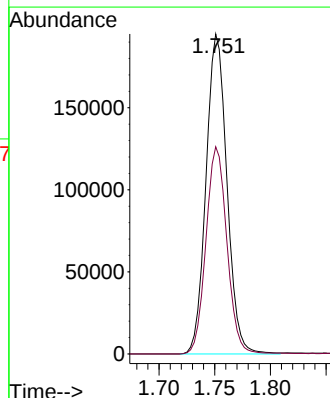
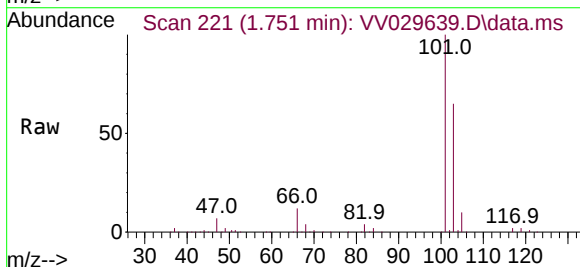
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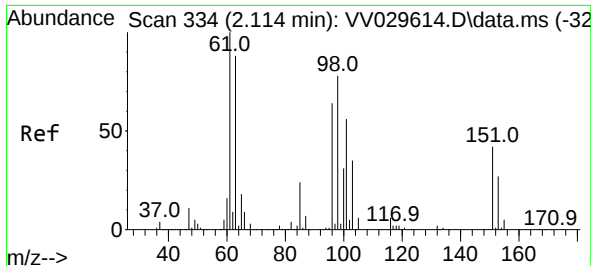
Tgt Ion: 64 Resp: 123033
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 48.690 ug/L
RT: 1.751 min Scan# 221
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion:101 Resp: 254839
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.8

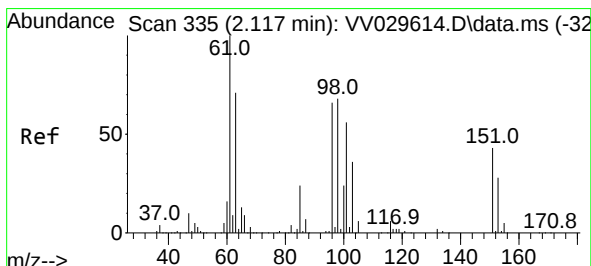
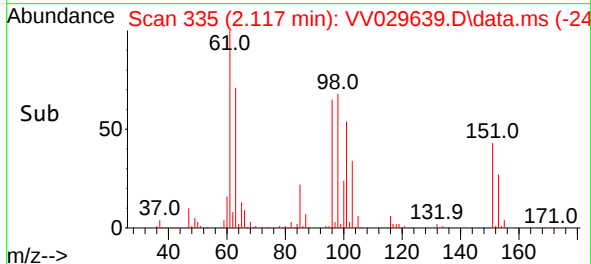
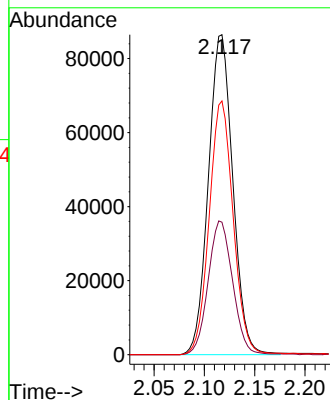
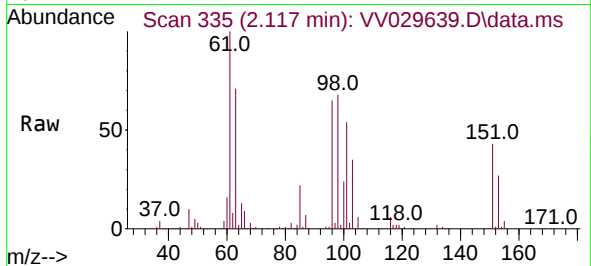




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.254 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV029639.D
 Acq: 13 Dec 2022 08:40

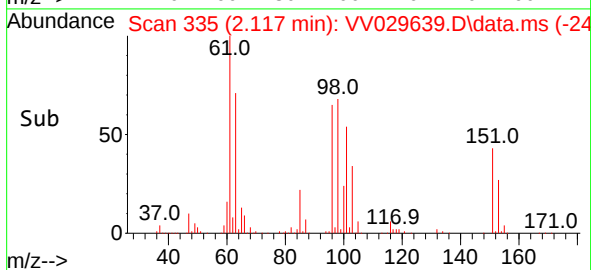
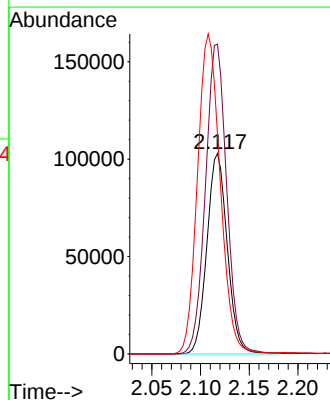
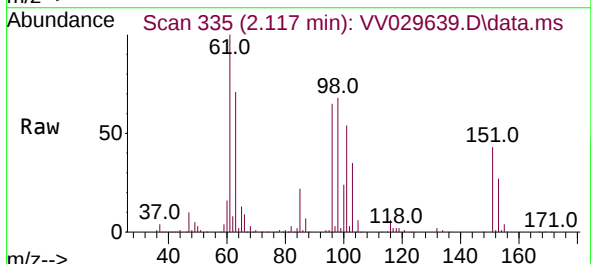
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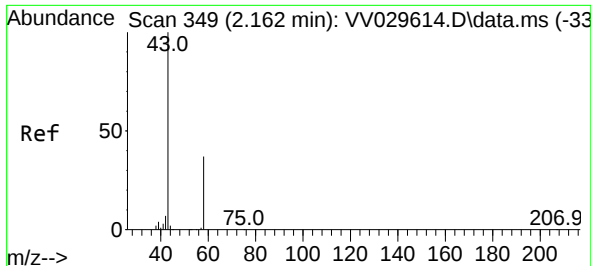
Tgt Ion:101 Resp: 146152
 Ion Ratio Lower Upper
 101 100
 85 41.9 33.6 50.4
 151 77.8 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 50.347 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV029639.D
 Acq: 13 Dec 2022 08:40

Tgt Ion: 96 Resp: 149743
 Ion Ratio Lower Upper
 96 100
 61 154.5 103.3 191.9
 63 109.5 77.3 143.7





#13

Acetone

Concen: 85.235 ug/L

RT: 2.159 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

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ClientSampleId :

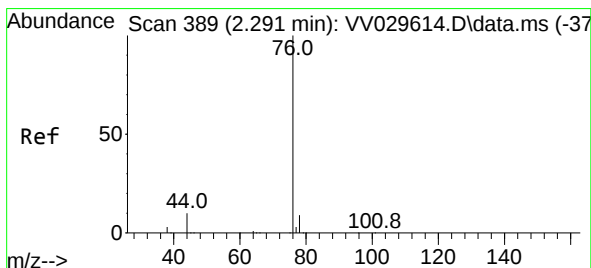
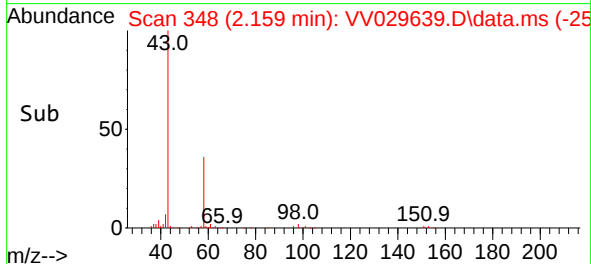
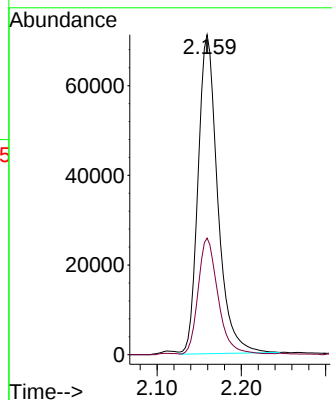
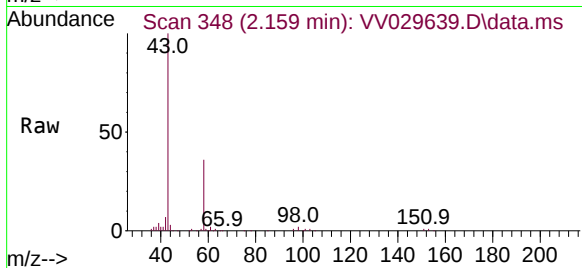
VSTD050385

Tgt Ion: 43 Resp: 115414

Ion Ratio Lower Upper

43 100

58 37.0 0.0 74.8



#14

Carbon disulfide

Concen: 45.411 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.000 min

Lab File: VV029639.D

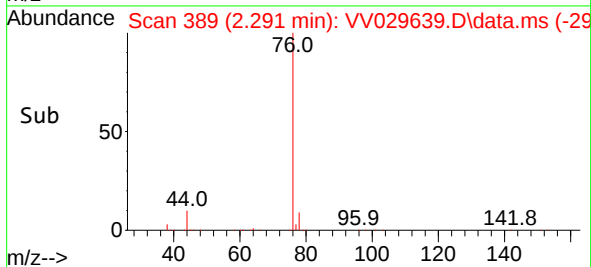
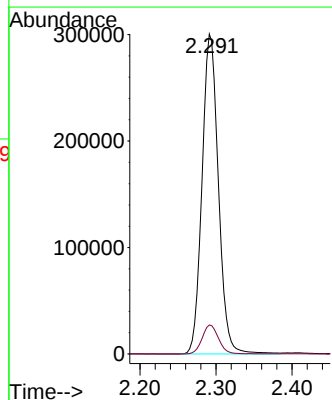
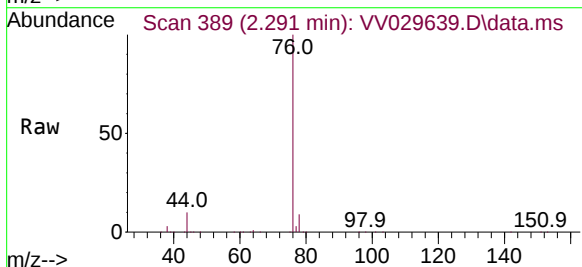
Acq: 13 Dec 2022 08:40

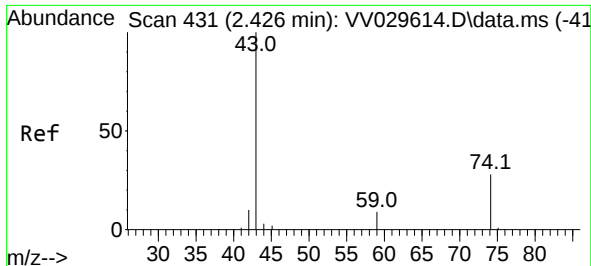
Tgt Ion: 76 Resp: 449503

Ion Ratio Lower Upper

76 100

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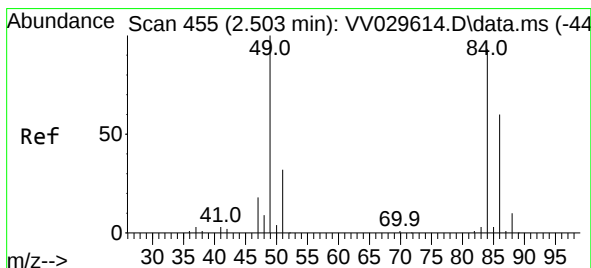
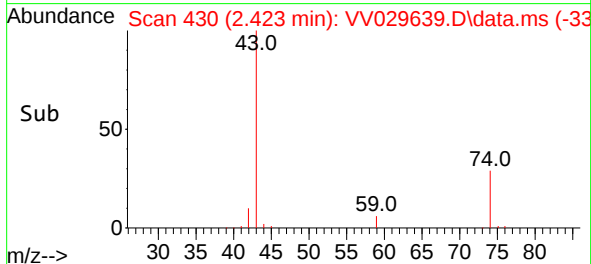
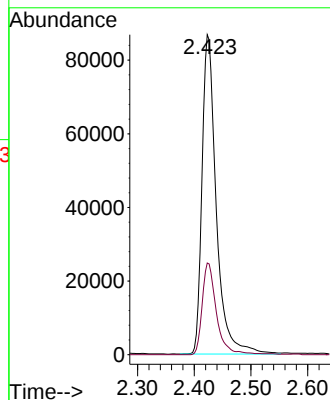
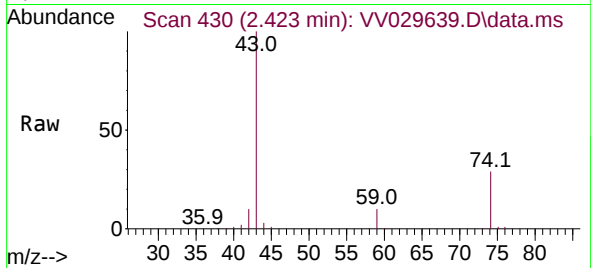




#15
Methyl Acetate
Concen: 49.182 ug/L
RT: 2.423 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

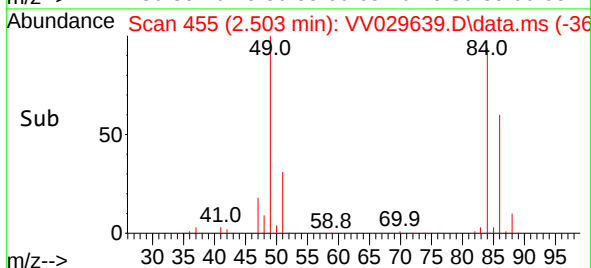
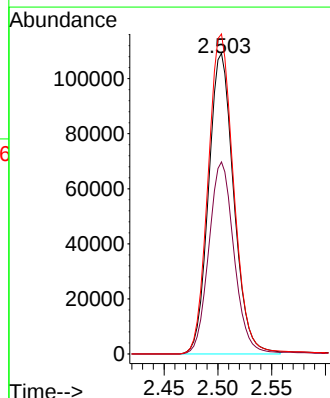
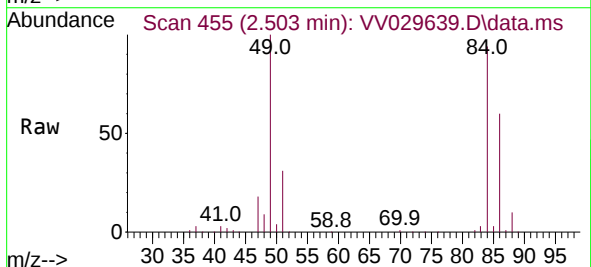
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

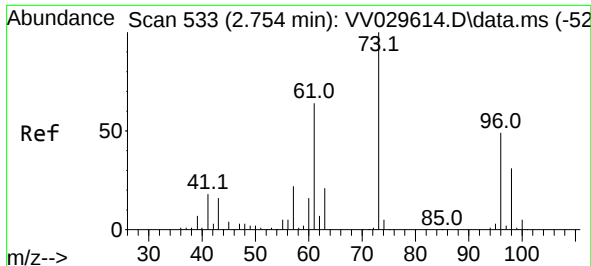
Tgt Ion: 43 Resp: 151726
Ion Ratio Lower Upper
43 100
74 27.7 23.5 35.3



#16
Methylene chloride
Concen: 48.108 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 84 Resp: 177907
Ion Ratio Lower Upper
84 100
86 63.9 46.0 85.4
49 106.4 72.2 134.0





#17

trans-1,2-Dichloroethene

Concen: 48.106 ug/L

RT: 2.754 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

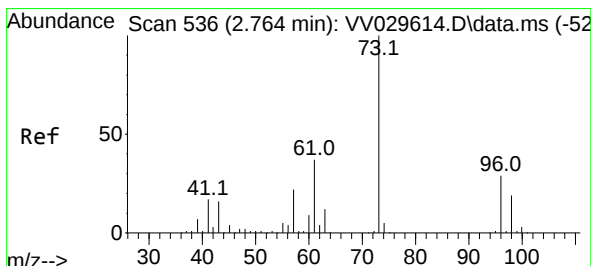
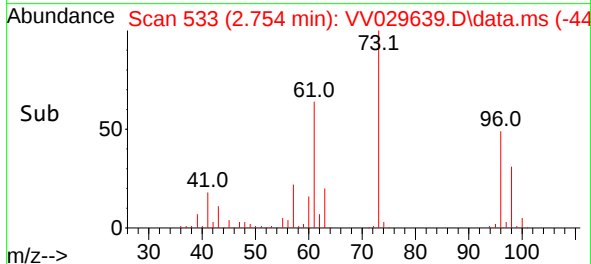
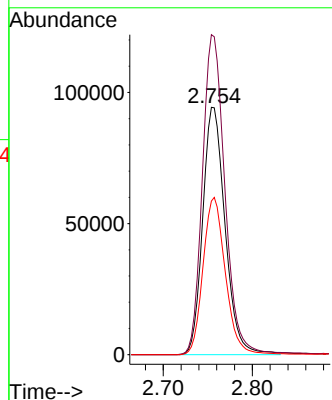
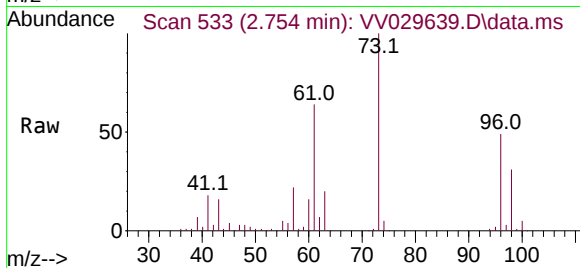
Tgt Ion: 96 Resp: 164858

Ion Ratio Lower Upper

96 100

61 129.4 86.4 160.4

98 62.1 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 48.843 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

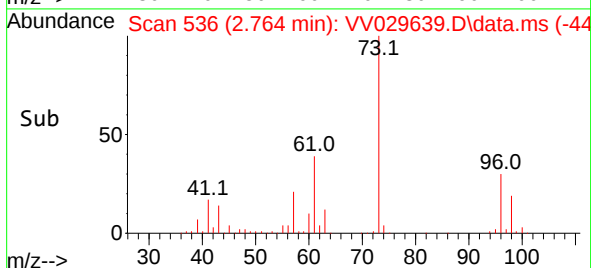
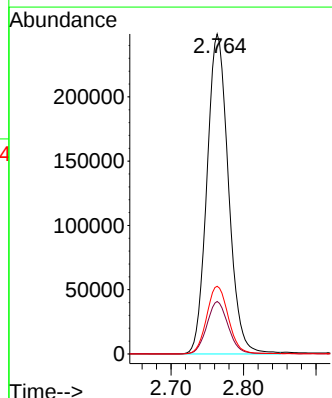
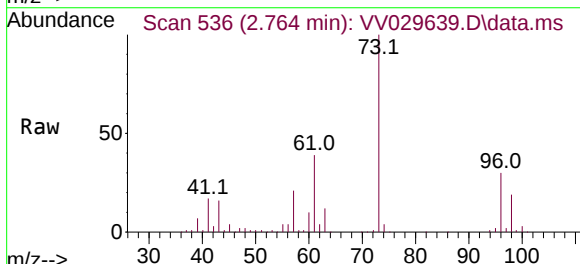
Tgt Ion: 73 Resp: 512834

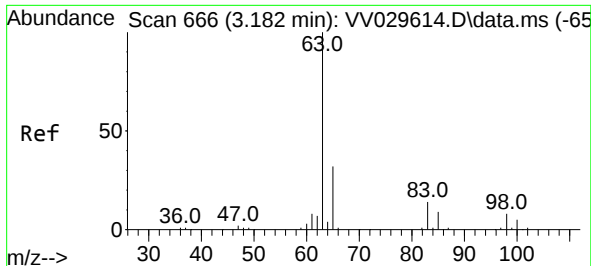
Ion Ratio Lower Upper

73 100

43 16.1 12.7 19.1

57 21.4 16.7 25.1





#19

1,1-Dichloroethane

Concen: 49.198 ug/L

RT: 3.185 min Scan# 666

Delta R.T. 0.003 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

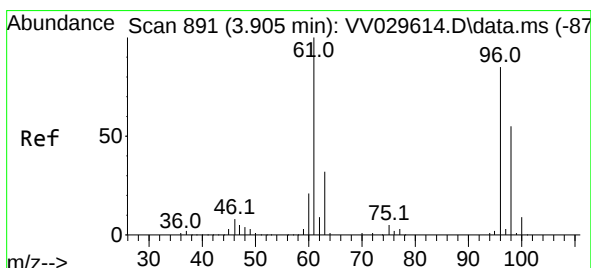
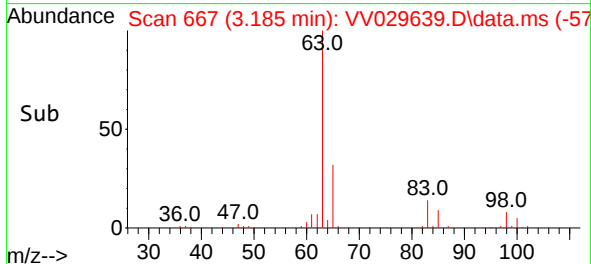
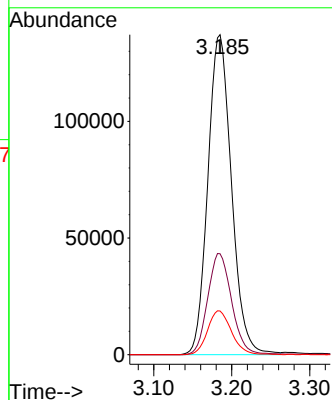
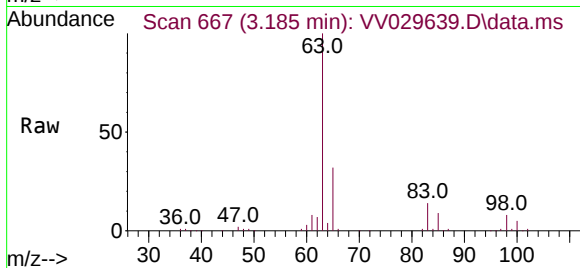
Tgt Ion: 63 Resp: 288838

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

83 13.6 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 48.489 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

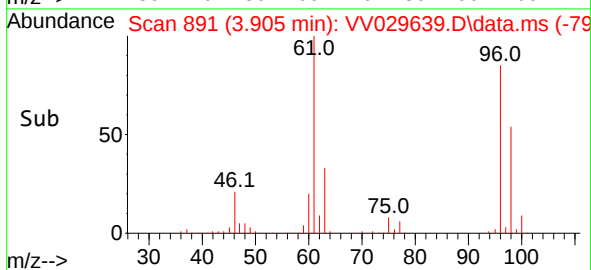
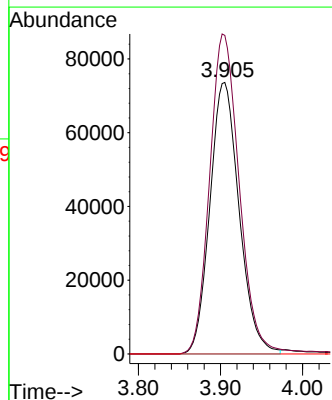
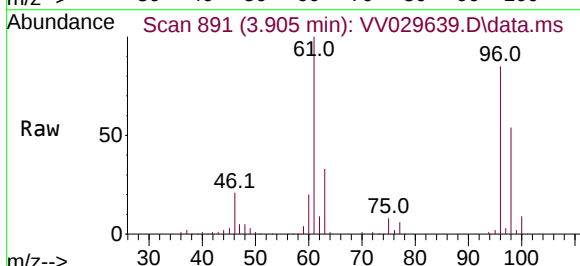
Tgt Ion: 96 Resp: 182727

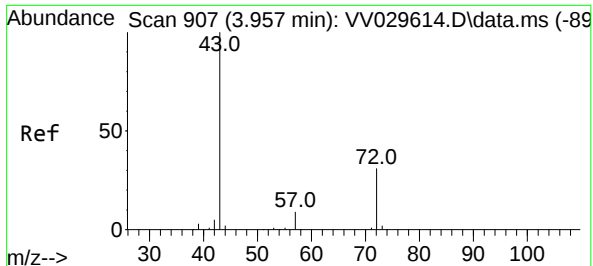
Ion Ratio Lower Upper

96 100

61 117.3 78.0 144.9

68 0.0 0.0 0.0

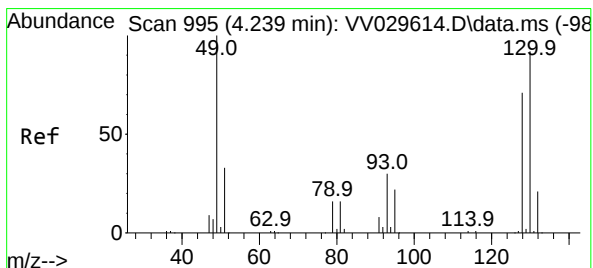
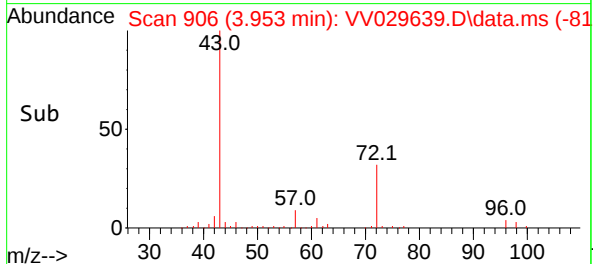
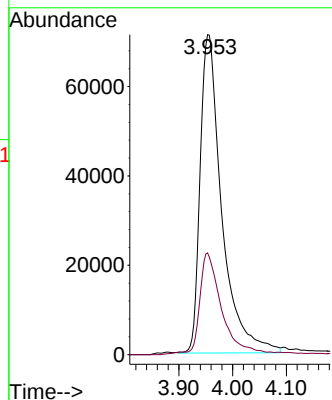
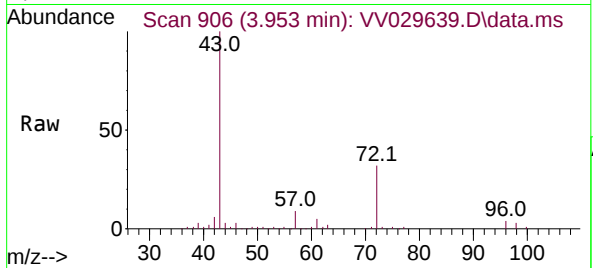




#22
2-Butanone
Concen: 92.491 ug/L
RT: 3.953 min Scan# 906
Delta R.T. -0.003 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

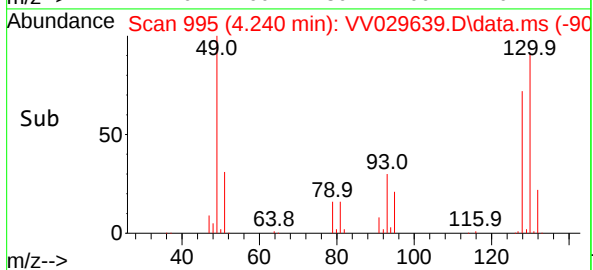
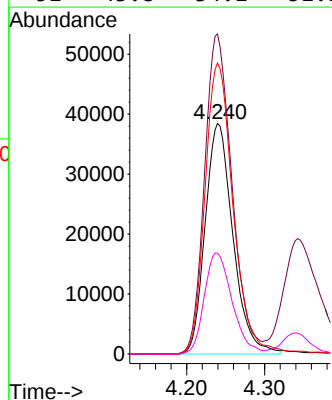
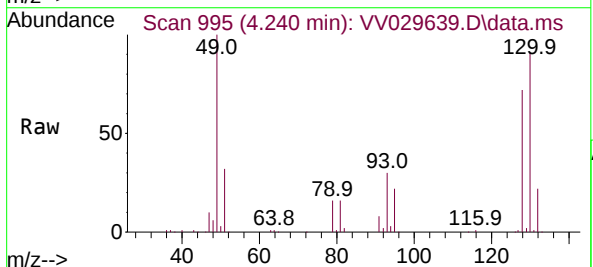
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

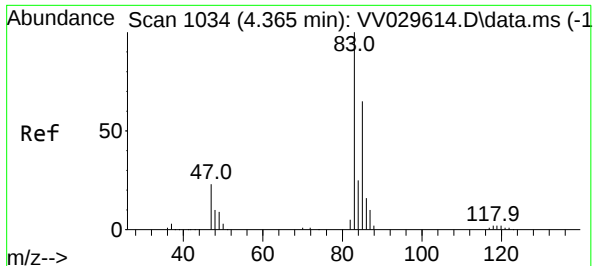
Tgt Ion: 43 Resp: 199279
Ion Ratio Lower Upper
43 100
72 30.1 15.9 47.6



#23
Bromochloromethane
Concen: 48.952 ug/L
RT: 4.240 min Scan# 995
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion:128 Resp: 94990
Ion Ratio Lower Upper
128 100
49 138.8 92.2 171.2
130 126.2 88.3 164.1
51 43.8 34.1 51.1





#25

Chloroform

Concen: 48.286 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

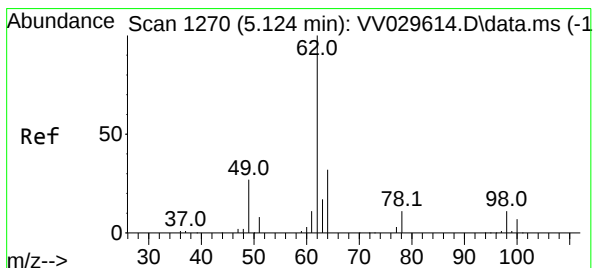
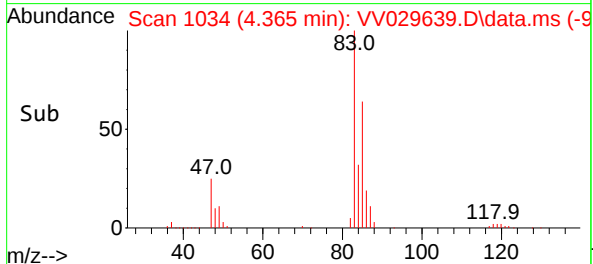
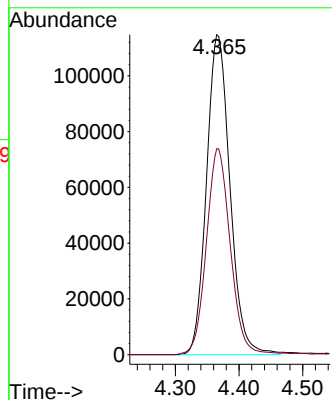
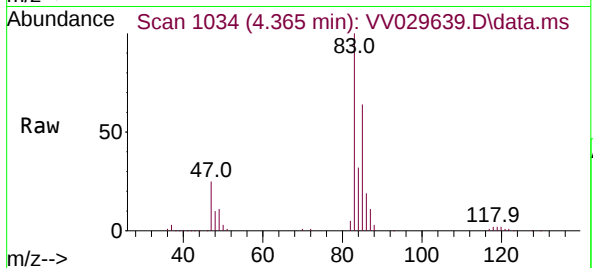
VSTD050385

Tgt Ion: 83 Resp: 293892

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.9



#27

1,2-Dichloroethane

Concen: 48.075 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV029639.D

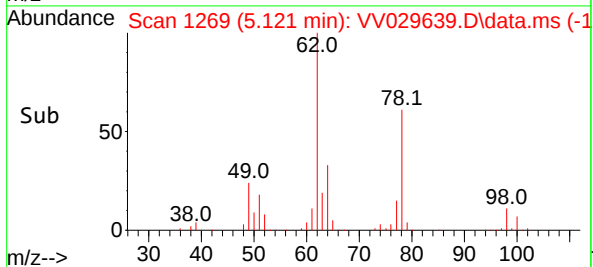
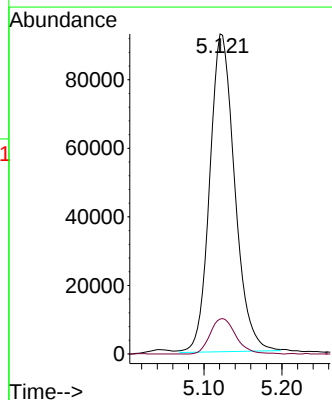
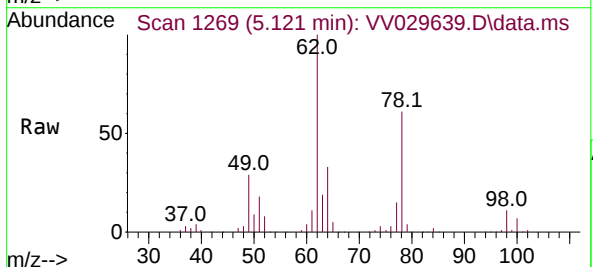
Acq: 13 Dec 2022 08:40

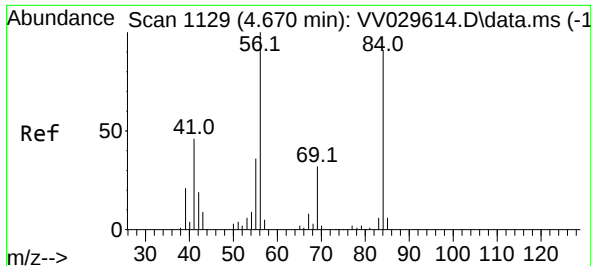
Tgt Ion: 62 Resp: 206702

Ion Ratio Lower Upper

62 100

98 10.9 9.4 14.0





#29

Cyclohexane

Concen: 47.142 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

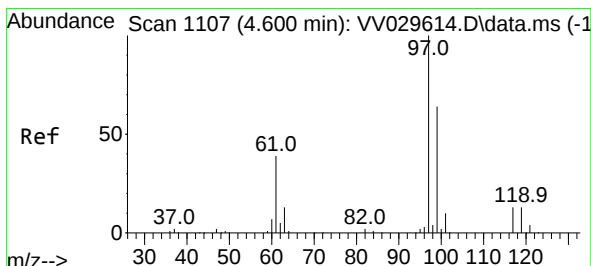
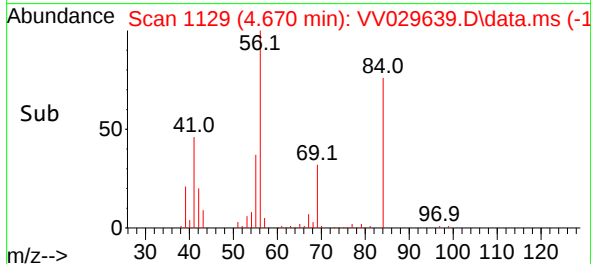
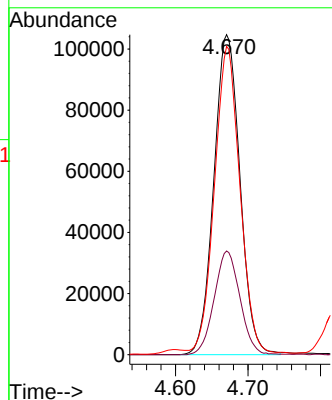
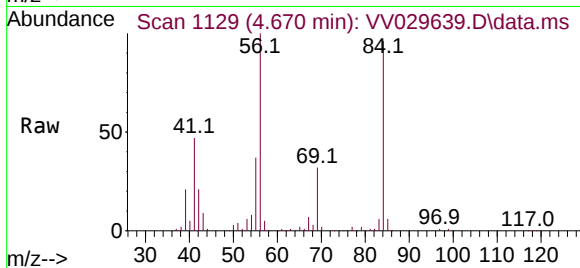
Tgt Ion: 56 Resp: 261848

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.8

84 92.6 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 46.829 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

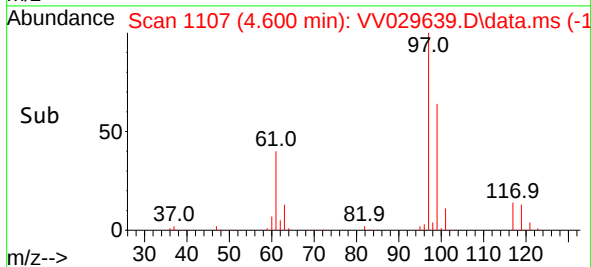
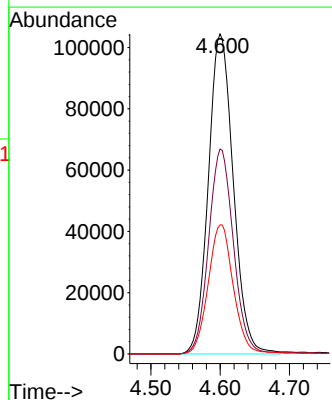
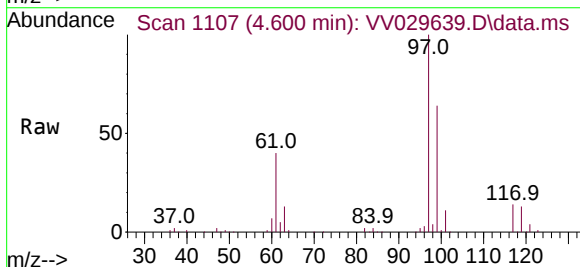
Tgt Ion: 97 Resp: 261606

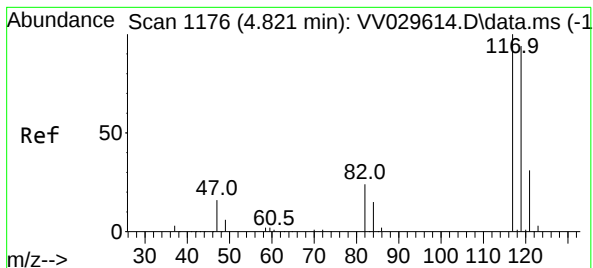
Ion Ratio Lower Upper

97 100

99 63.5 52.1 78.1

61 40.7 31.8 47.8





#31

Carbon tetrachloride

Concen: 45.922 ug/L

RT: 4.822 min Scan# 1176

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

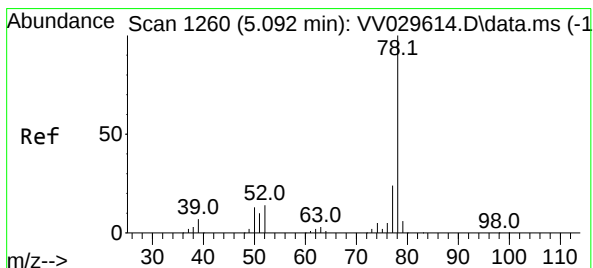
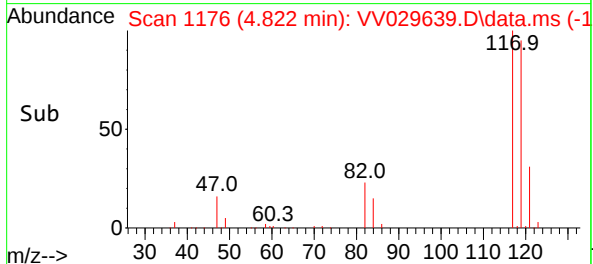
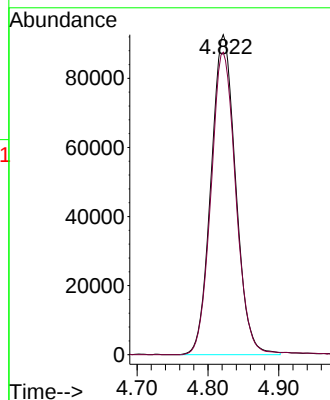
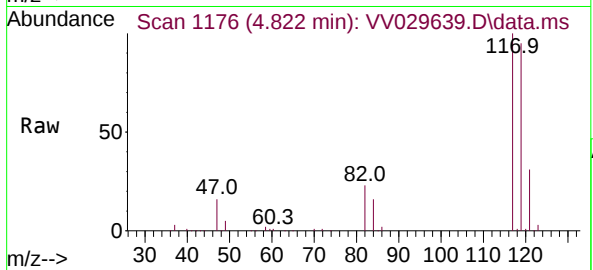
VSTD050385

Tgt Ion:117 Resp: 224024

Ion Ratio Lower Upper

117 100

119 95.0 76.7 115.1



#33

Benzene

Concen: 47.452 ug/L

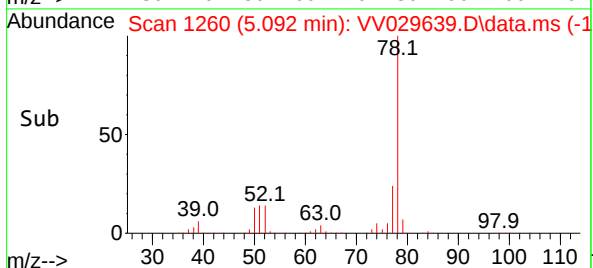
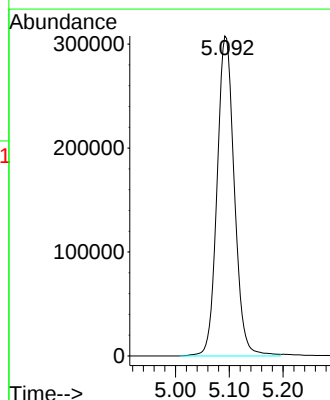
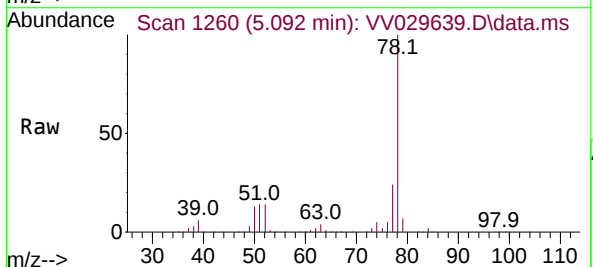
RT: 5.092 min Scan# 1260

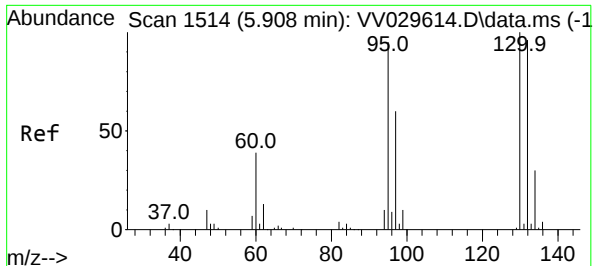
Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Tgt Ion: 78 Resp: 685824

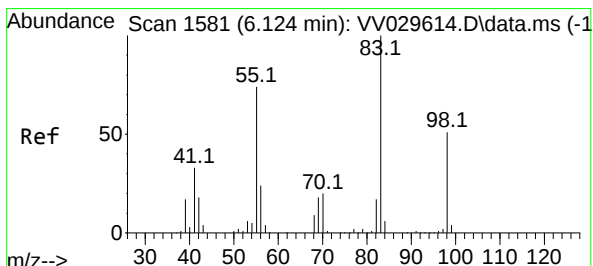
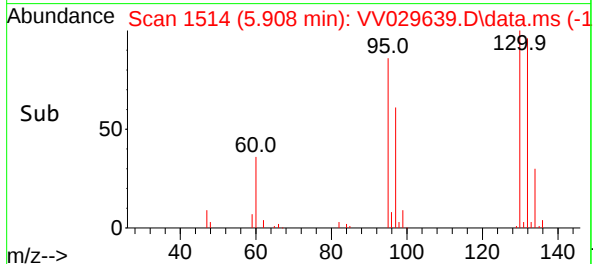
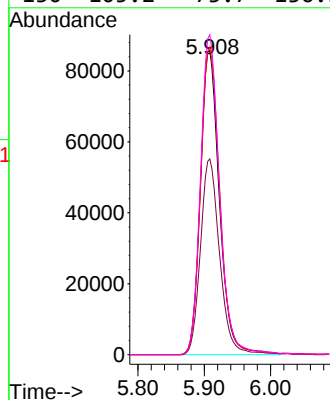
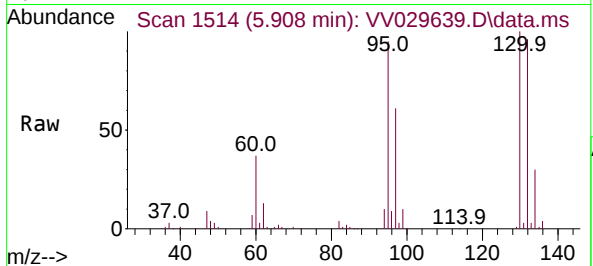




#34
Trichloroethene
Concen: 47.198 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

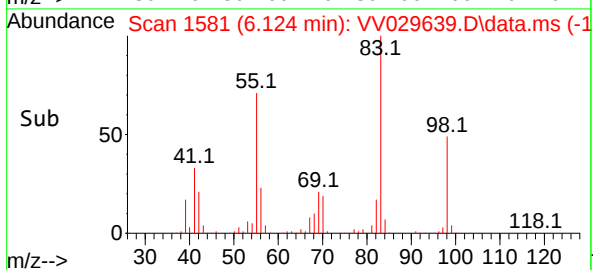
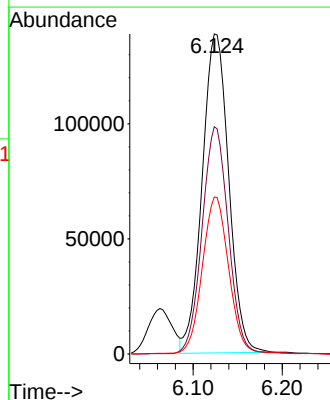
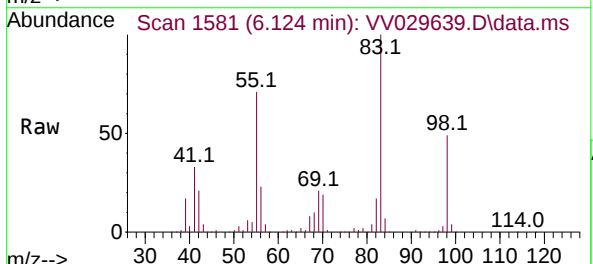
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

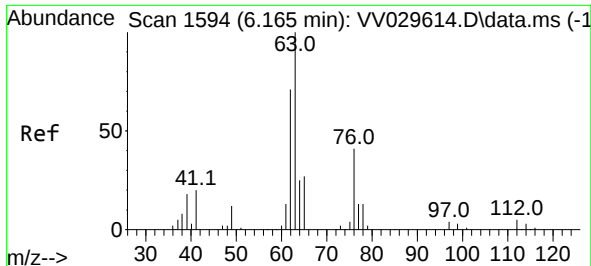
Tgt Ion: 95 Resp: 170935
Ion Ratio Lower Upper
95 100
97 64.4 44.0 81.8
132 101.2 69.9 129.9
130 105.2 73.7 136.9



#35
Methylcyclohexane
Concen: 46.749 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 83 Resp: 287561
Ion Ratio Lower Upper
83 100
55 70.4 55.5 83.3
98 48.4 39.8 59.8





#37

1,2-Dichloropropane

Concen: 49.511 ug/L

RT: 6.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

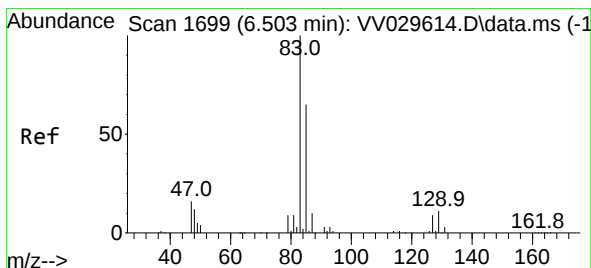
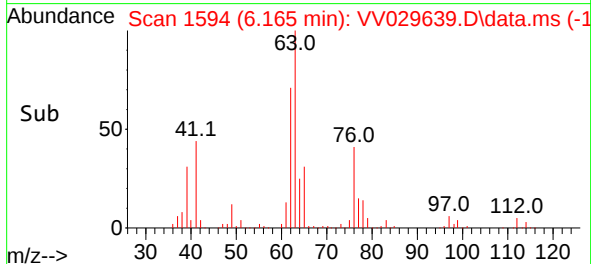
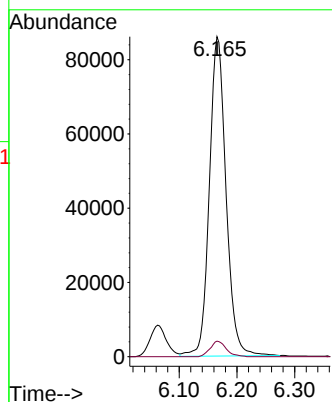
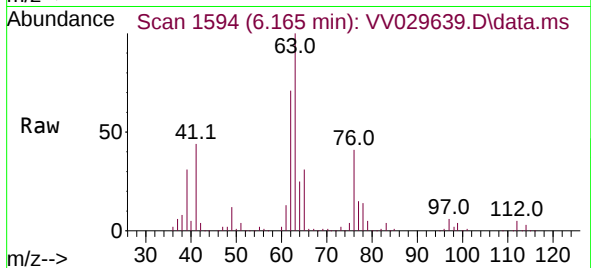
VSTD050385

Tgt Ion: 63 Resp: 172712

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



#38

Bromodichloromethane

Concen: 46.163 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

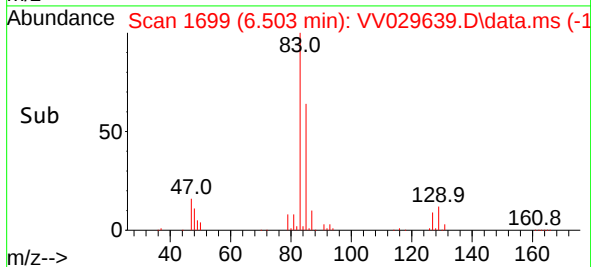
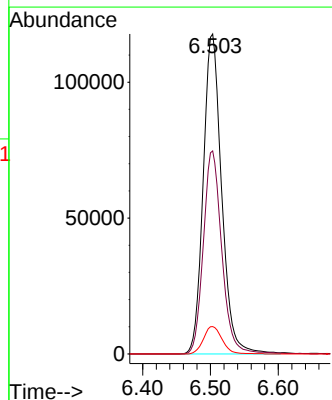
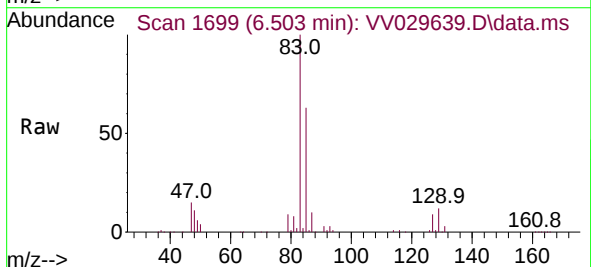
Tgt Ion: 83 Resp: 222301

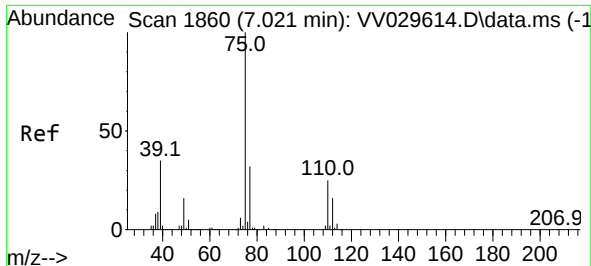
Ion Ratio Lower Upper

83 100

85 63.4 45.3 84.1

127 8.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 39.897 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

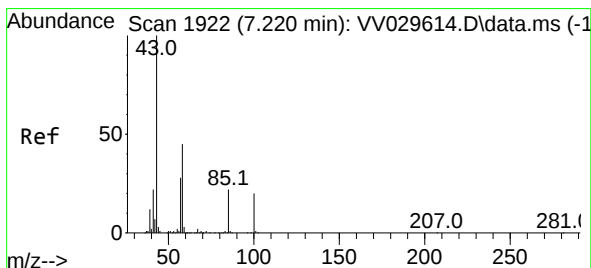
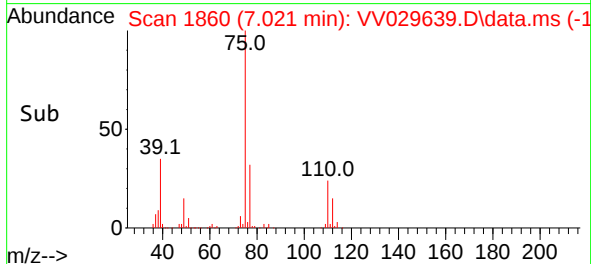
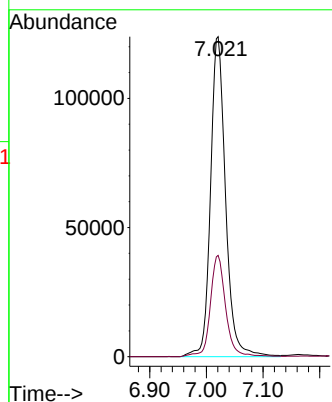
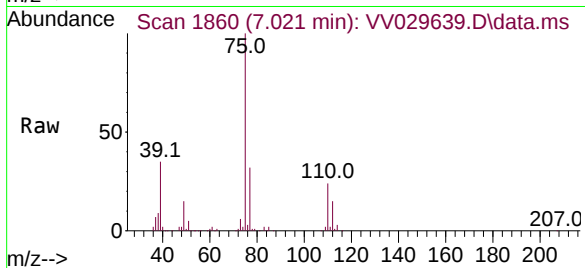
VSTD050385

Tgt Ion: 75 Resp: 228887

Ion Ratio Lower Upper

75 100

77 31.7 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 100.595 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

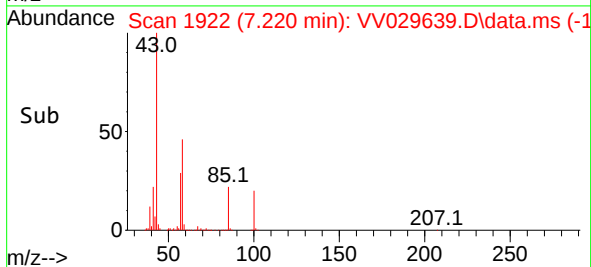
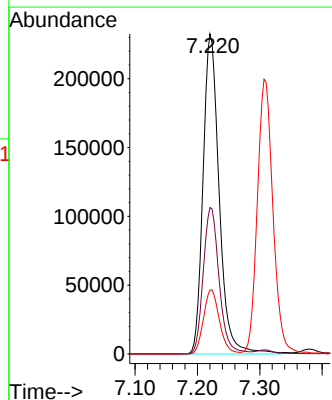
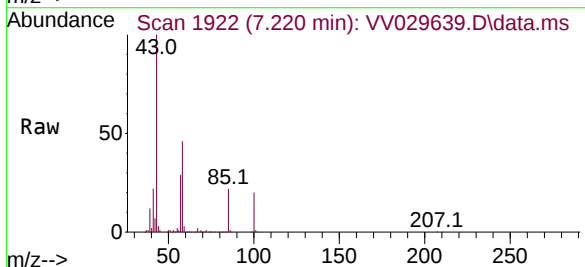
Tgt Ion: 43 Resp: 418388

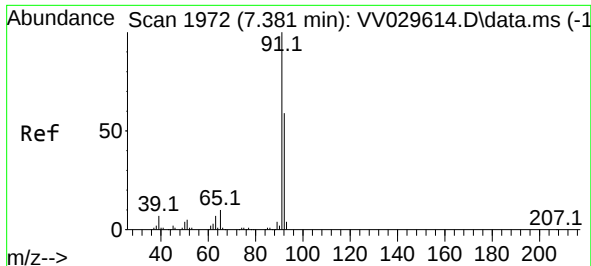
Ion Ratio Lower Upper

43 100

58 45.1 37.5 56.3

100 19.8 16.7 25.1

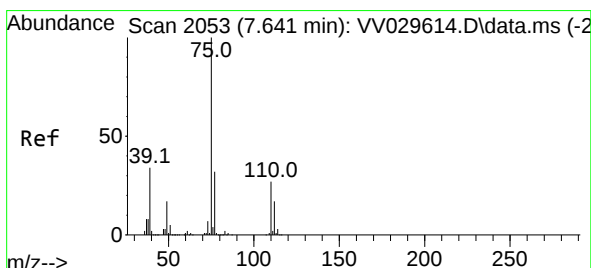
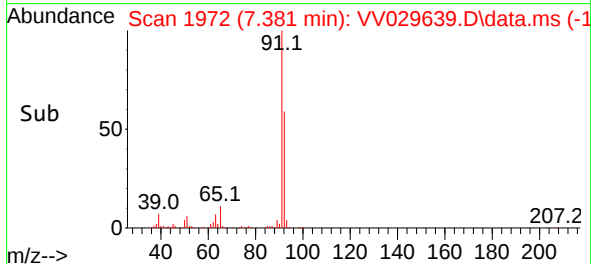
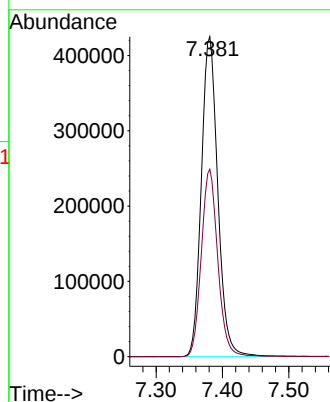
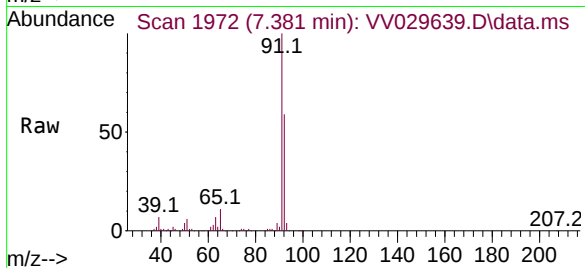




#42
Toluene
Concen: 47.223 ug/L
RT: 7.381 min Scan# 1972
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

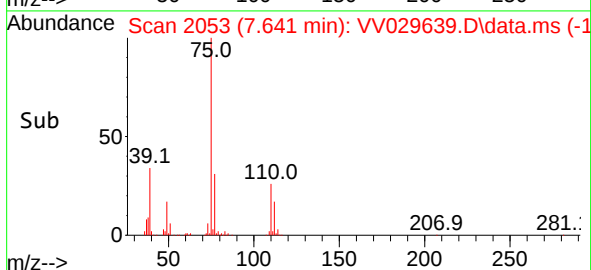
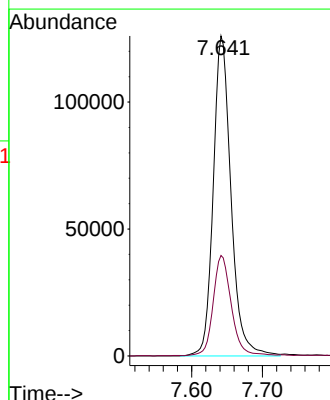
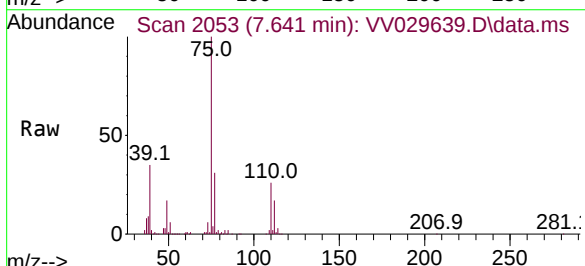
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

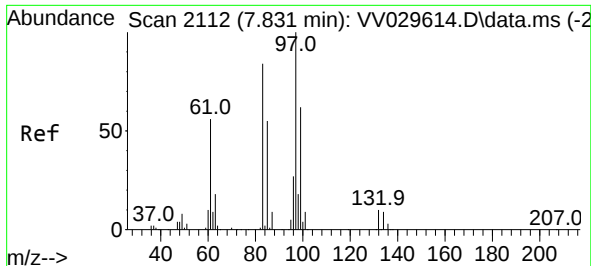
Tgt Ion: 91 Resp: 734606
Ion Ratio Lower Upper
91 100
92 58.6 40.6 75.4



#44
trans-1,3-Dichloropropene
Concen: 40.378 ug/L
RT: 7.641 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 75 Resp: 219372
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.5



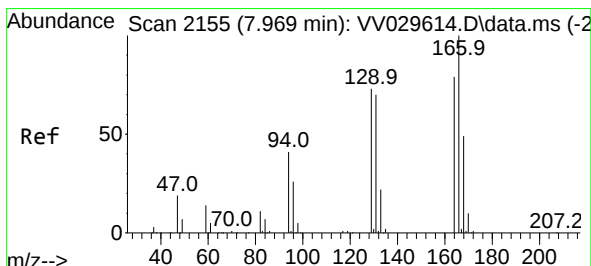
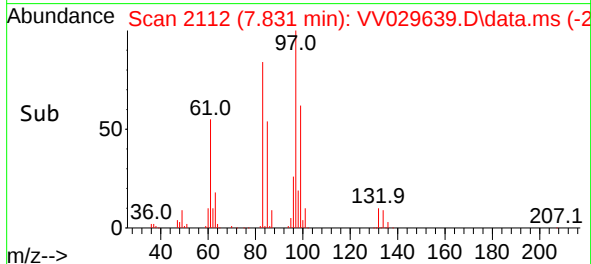
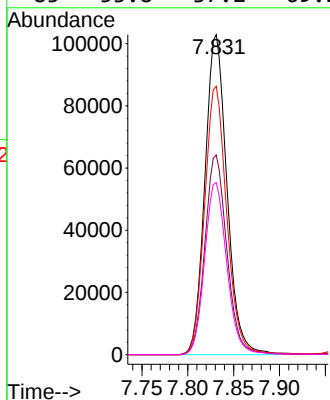
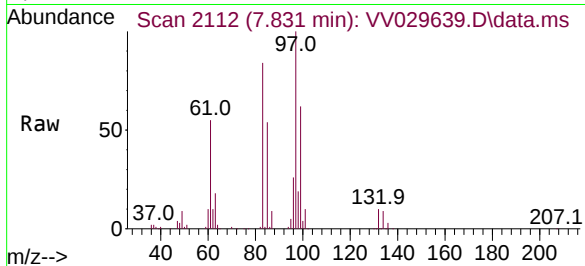


#45
1,1,2-Trichloroethane
Concen: 47.786 ug/L
RT: 7.831 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

Tgt Ion: 97 Resp: 172213

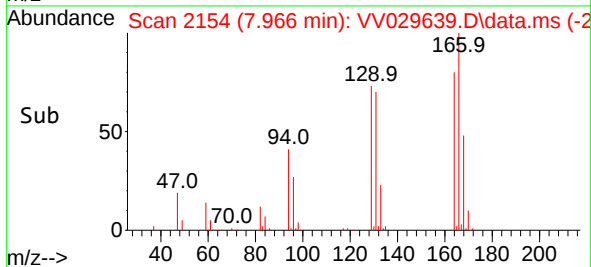
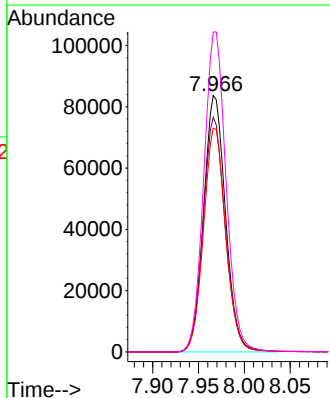
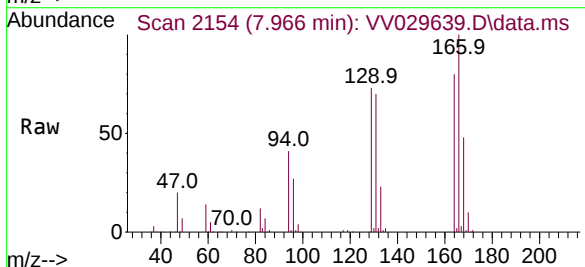
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.8	81.3
83	83.9	58.6	108.8
85	53.8	37.2	69.2

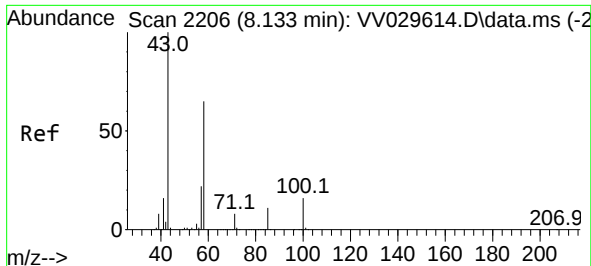


#46
Tetrachloroethene
Concen: 47.988 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 164 Resp: 139731

Ion	Ratio	Lower	Upper
164	100		
129	91.5	65.3	121.3
131	87.3	63.1	117.1
166	124.7	90.8	168.6

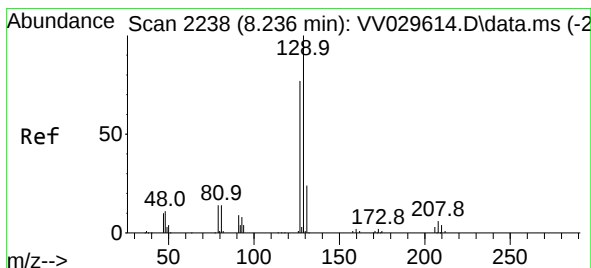
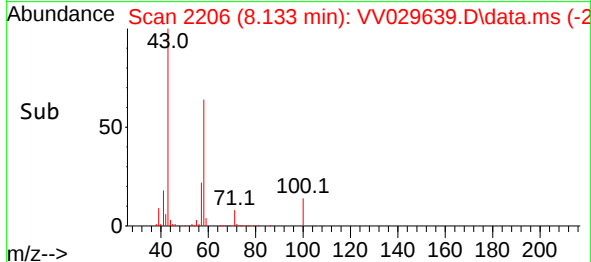
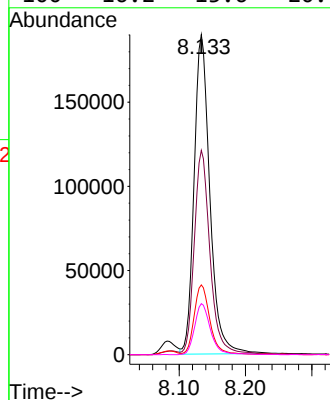
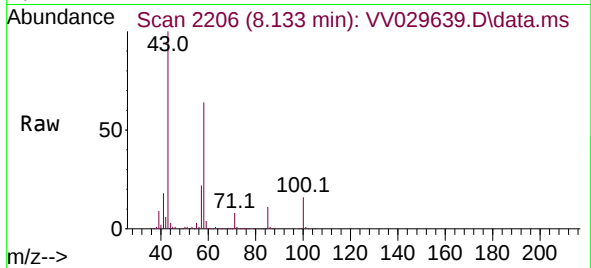




#48
2-Hexanone
Concen: 98.638 ug/L
RT: 8.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

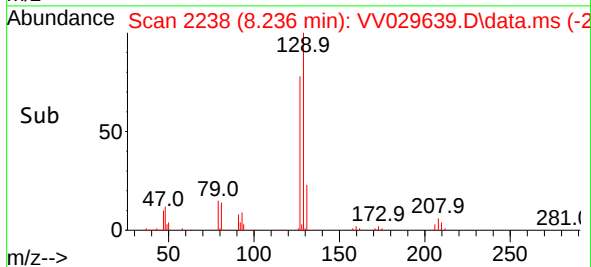
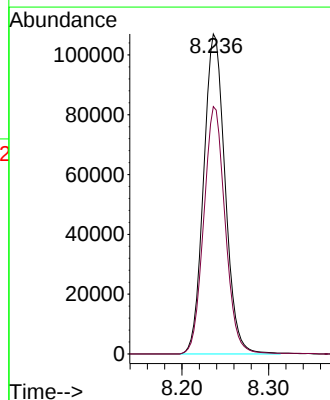
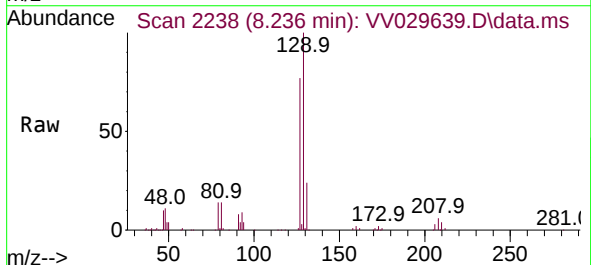
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

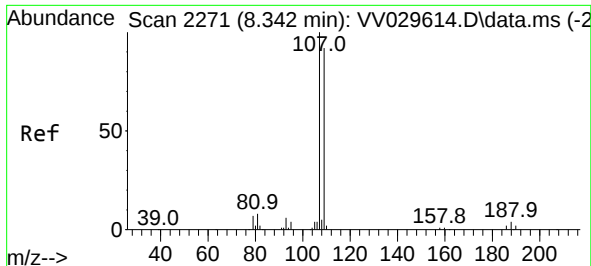
Tgt Ion: 43 Resp: 313430
Ion Ratio Lower Upper
43 100
58 63.2 54.1 81.1
57 21.9 17.4 26.0
100 16.2 13.6 20.4



#49
Dibromochloromethane
Concen: 46.287 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 129 Resp: 184171
Ion Ratio Lower Upper
129 100
127 77.3 55.2 102.4





#50

1,2-Dibromoethane

Concen: 46.087 ug/L

RT: 8.342 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

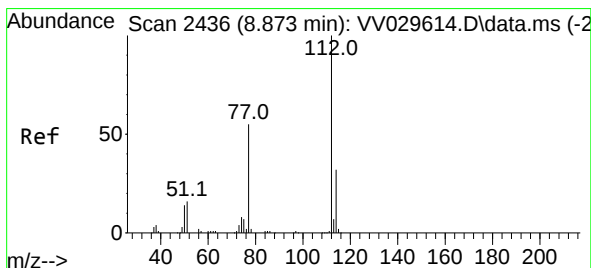
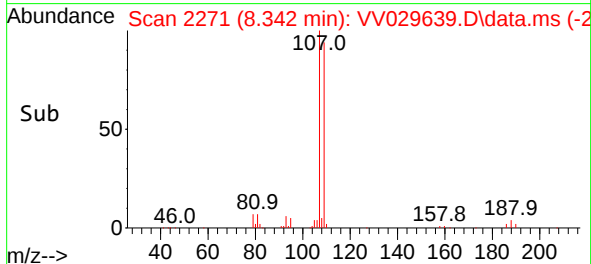
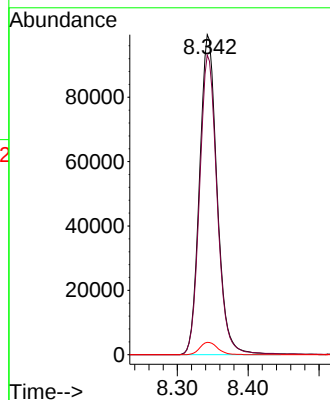
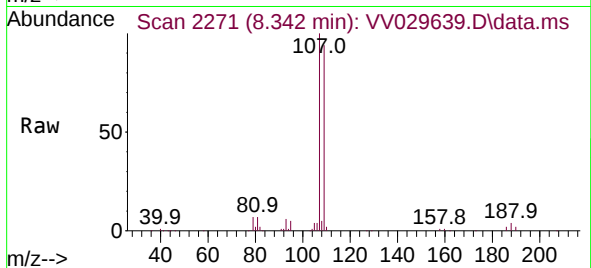
Tgt Ion:107 Resp: 171112

Ion Ratio Lower Upper

107 100

109 93.6 66.0 122.6

188 3.9 3.2 4.8



#51

Chlorobenzene

Concen: 48.771 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

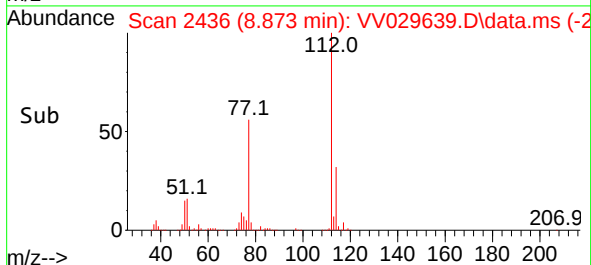
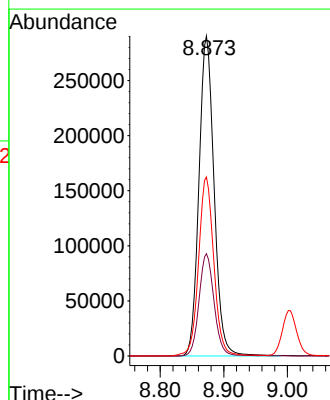
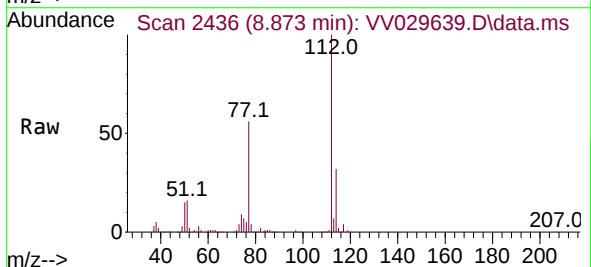
Tgt Ion:112 Resp: 480417

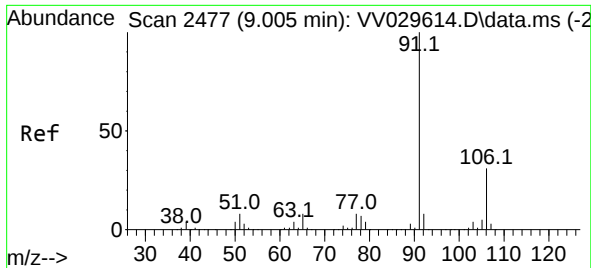
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.3

77 56.0 45.0 67.4

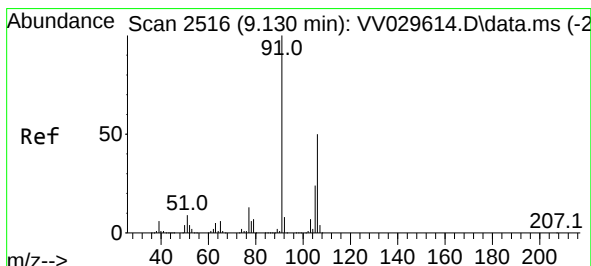
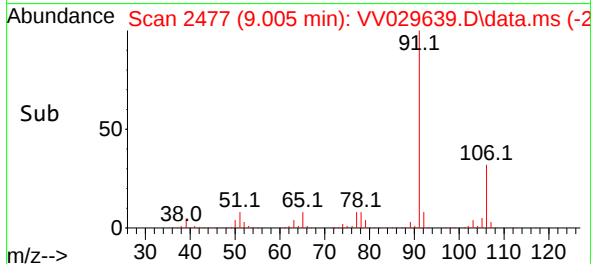
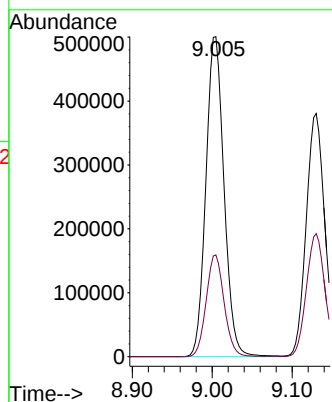
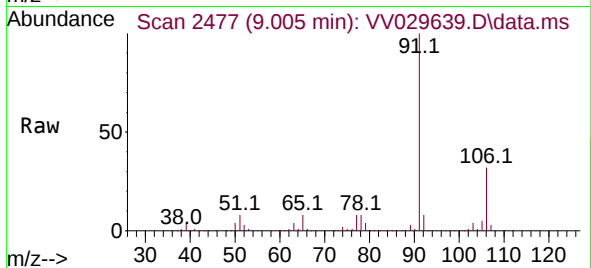




#52
Ethylbenzene
Concen: 48.324 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

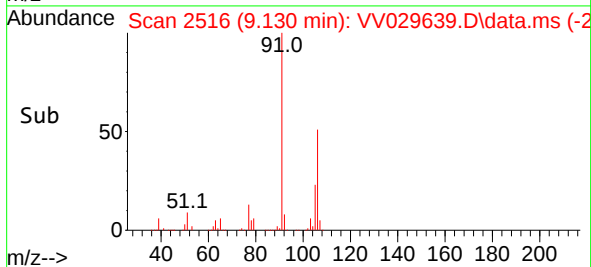
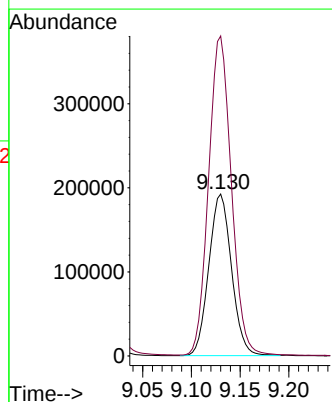
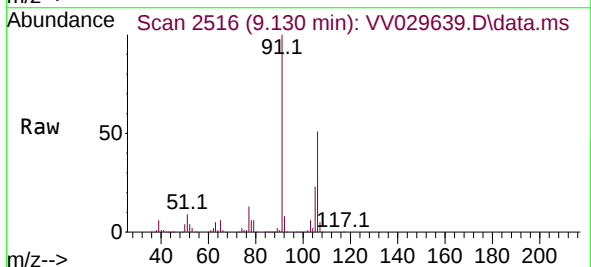
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

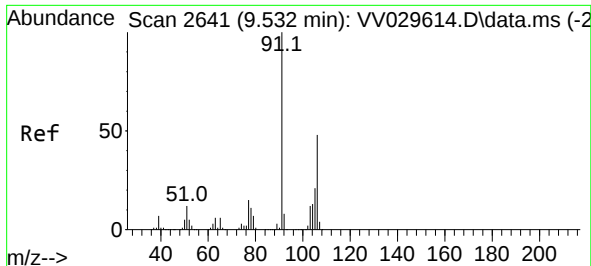
Tgt Ion: 91 Resp: 790343
Ion Ratio Lower Upper
91 100
106 31.8 21.8 40.6



#53
m,p-Xylene
Concen: 48.211 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 106 Resp: 312076
Ion Ratio Lower Upper
106 100
91 197.6 139.5 259.1

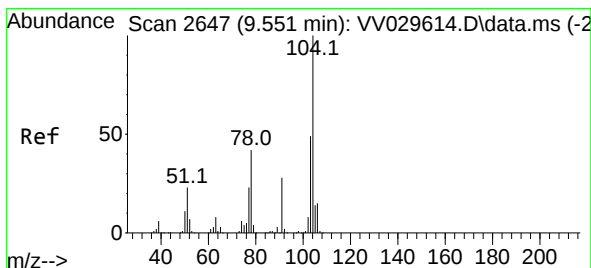
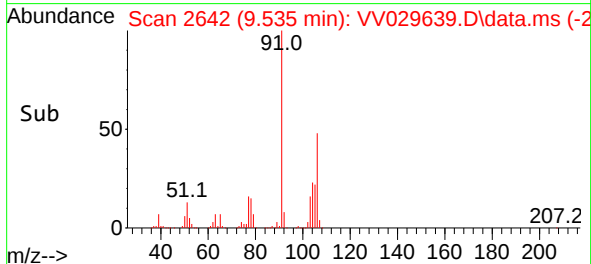
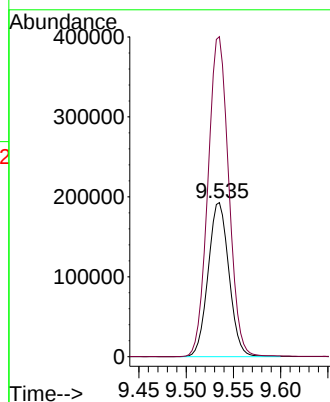
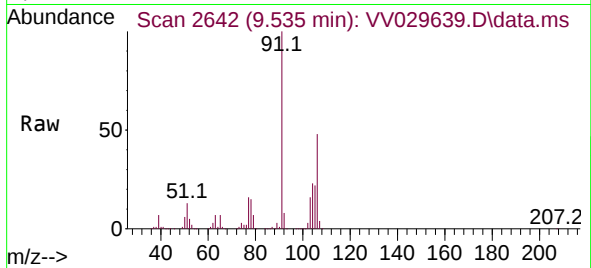




#54
o-Xylene
Concen: 46.135 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

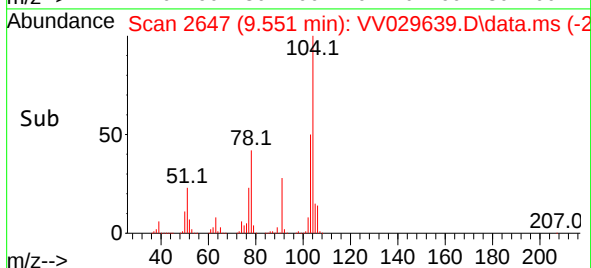
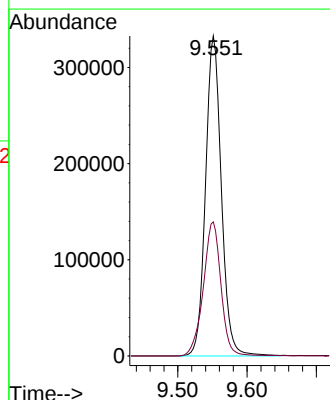
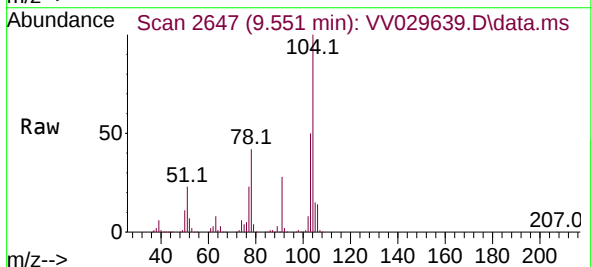
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

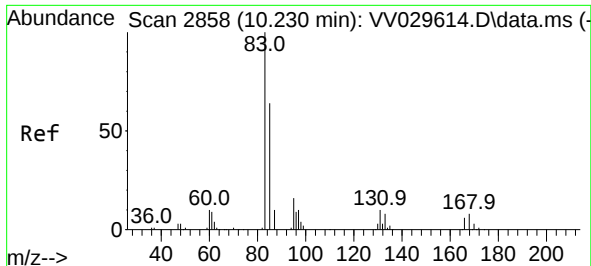
Tgt Ion:106 Resp: 295398
Ion Ratio Lower Upper
106 100
91 207.6 148.0 274.8



#55
Styrene
Concen: 47.354 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion:104 Resp: 526920
Ion Ratio Lower Upper
104 100
78 41.9 29.4 54.6

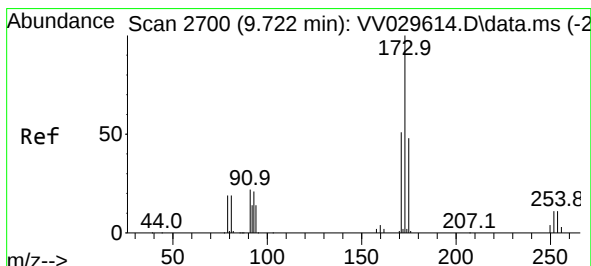
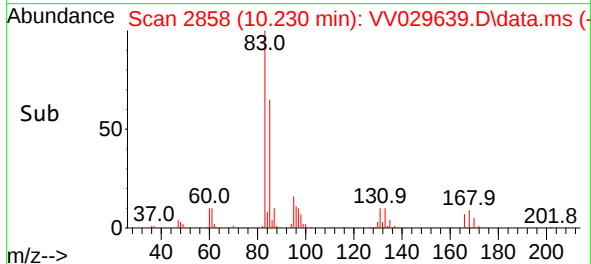
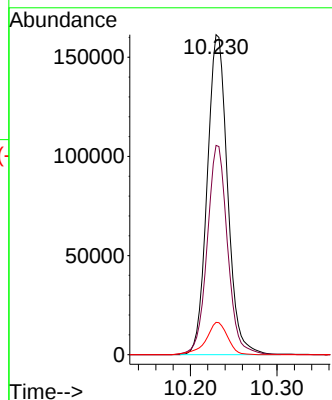
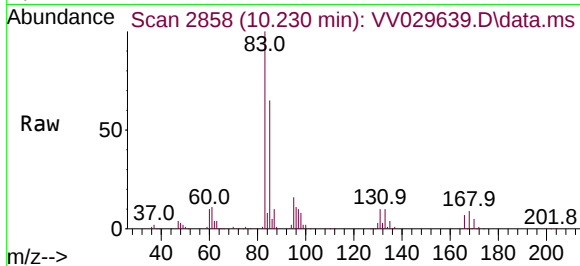




#57
1,1,2,2-Tetrachloroethane
Concen: 45.623 ug/L
RT: 10.230 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

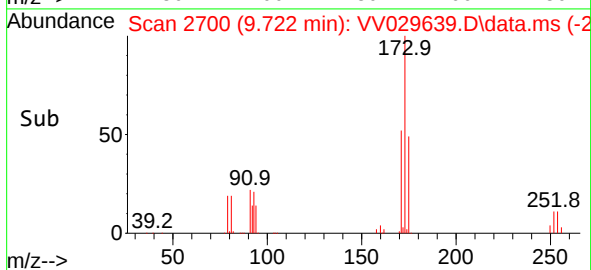
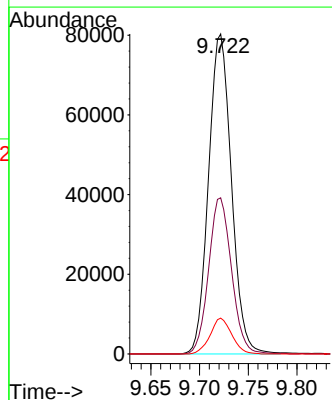
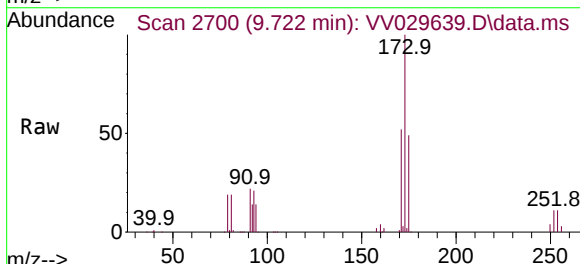
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

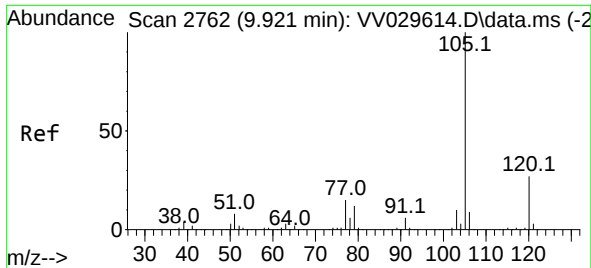
Tgt Ion: 83 Resp: 263010
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9
131 10.1 7.9 11.9



#59
Bromoform
Concen: 42.389 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 173 Resp: 131128
Ion Ratio Lower Upper
173 100
175 48.8 38.4 57.6
254 10.6 7.8 11.8

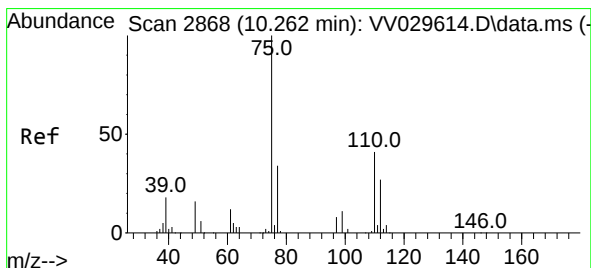
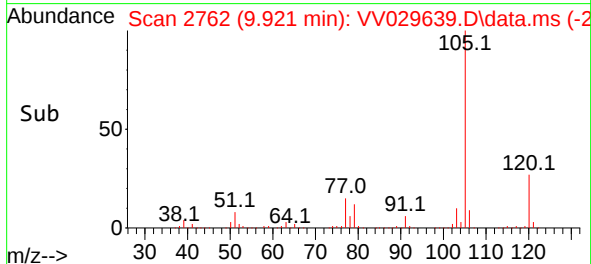
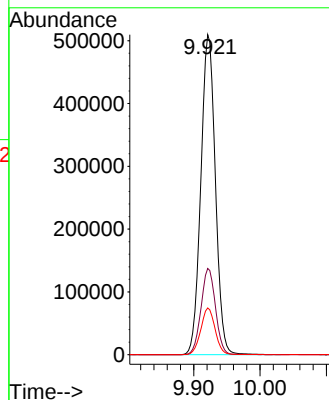
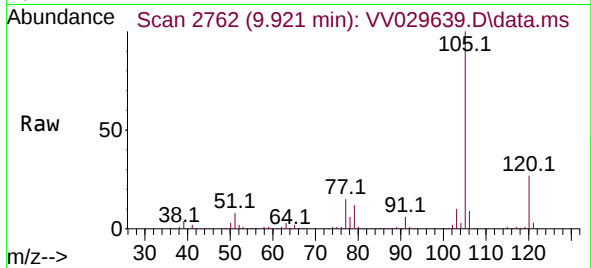




#60
Isopropylbenzene
Concen: 47.222 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

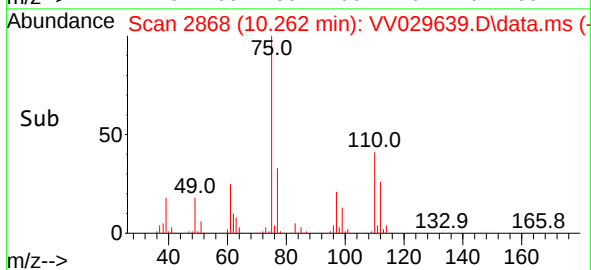
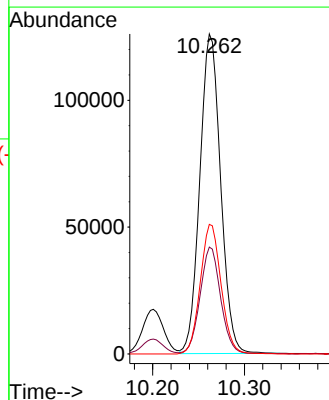
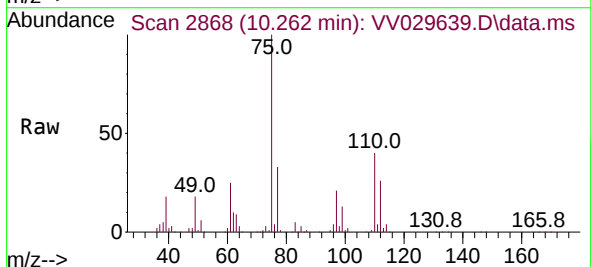
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

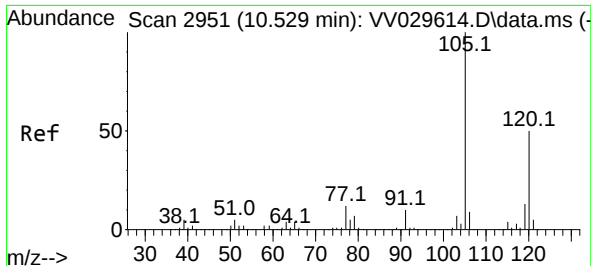
Tgt Ion:105 Resp: 776392
Ion Ratio Lower Upper
105 100
120 26.8 21.1 31.7
77 14.4 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 45.877 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 75 Resp: 198304
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.2
110 40.5 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 46.735 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

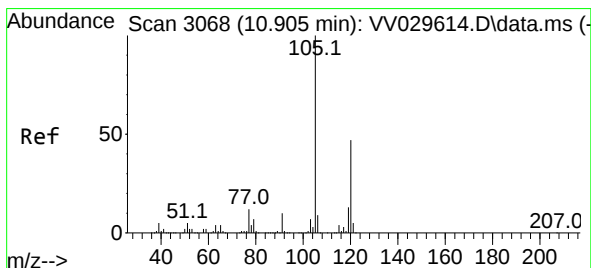
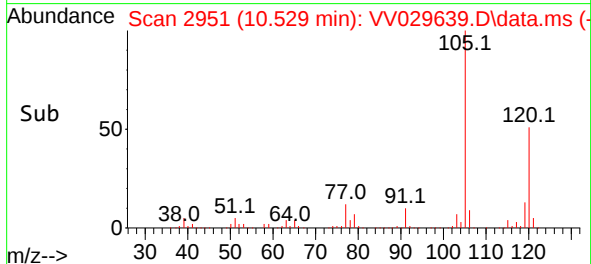
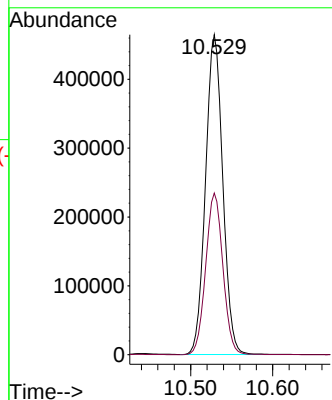
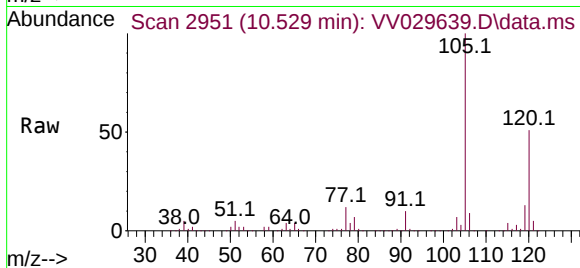
VSTD050385

Tgt Ion:105 Resp: 679392

Ion Ratio Lower Upper

105 100

120 50.4 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 47.215 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029639.D

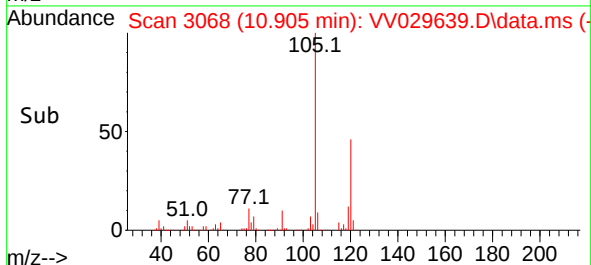
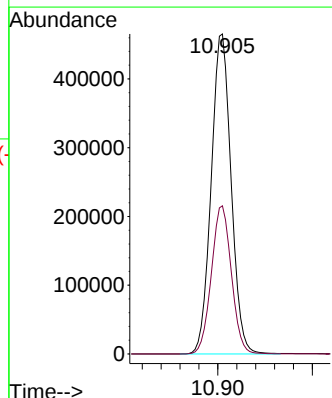
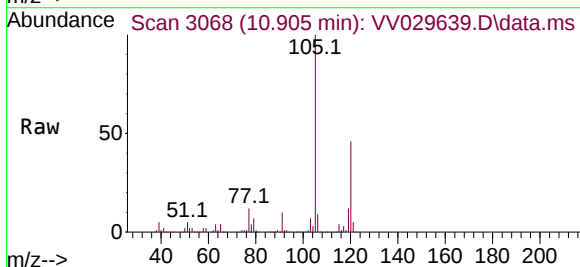
Acq: 13 Dec 2022 08:40

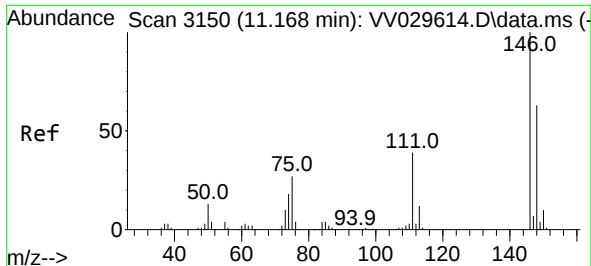
Tgt Ion:105 Resp: 680366

Ion Ratio Lower Upper

105 100

120 46.5 36.7 55.1

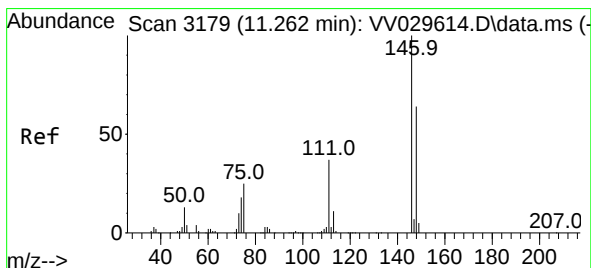
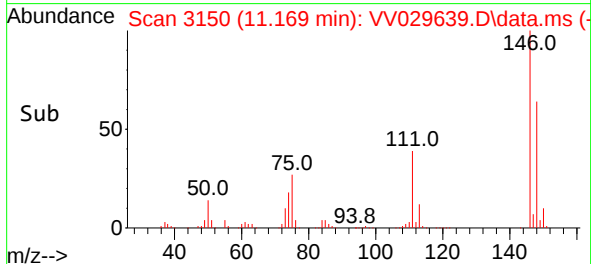
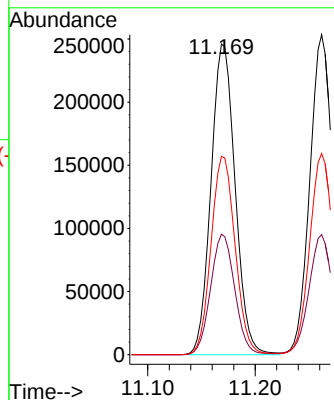
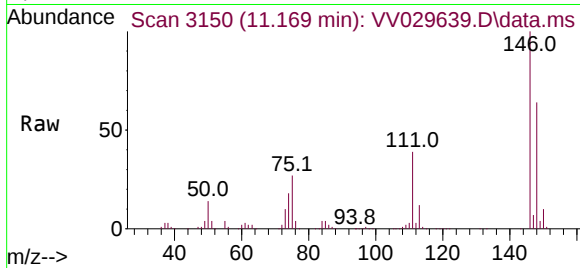




#64
1,3-Dichlorobenzene
Concen: 47.832 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

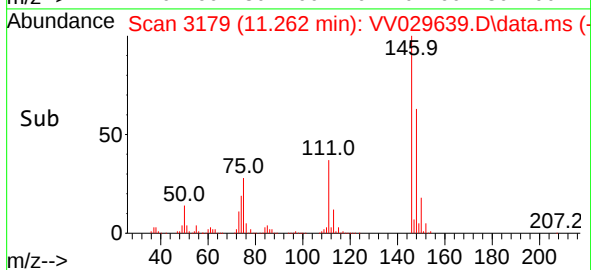
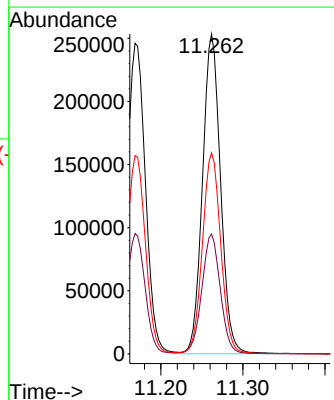
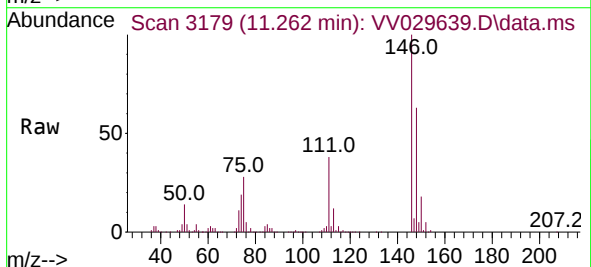
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

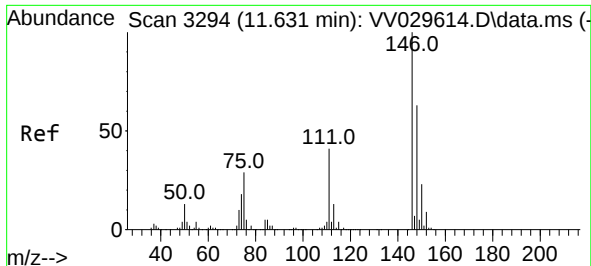
Tgt Ion:146 Resp: 384516
Ion Ratio Lower Upper
146 100
111 38.8 27.4 51.0
148 63.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 47.396 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion:146 Resp: 387223
Ion Ratio Lower Upper
146 100
111 37.5 26.2 48.8
148 62.9 44.7 83.1

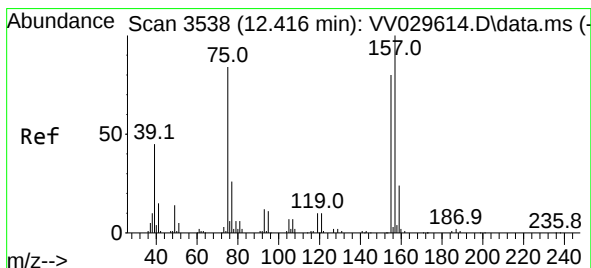
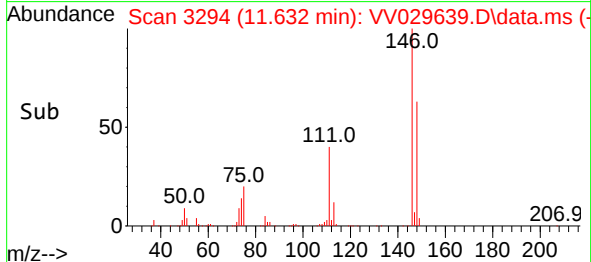
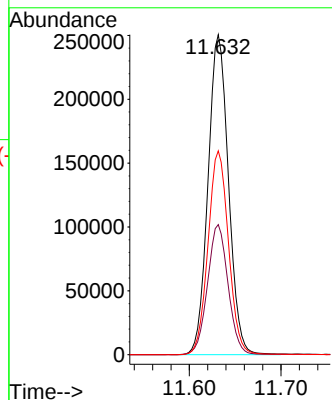
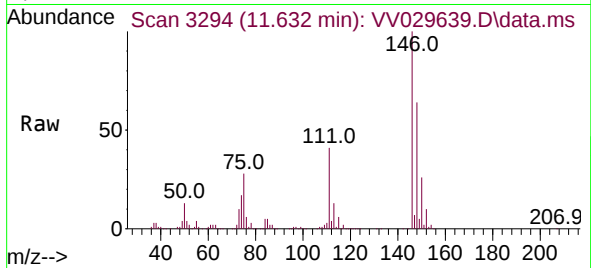




#67
1,2-Dichlorobenzene
Concen: 47.233 ug/L
RT: 11.632 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

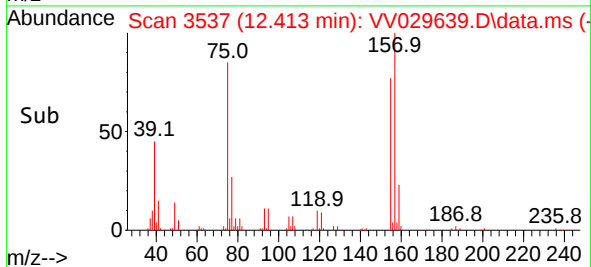
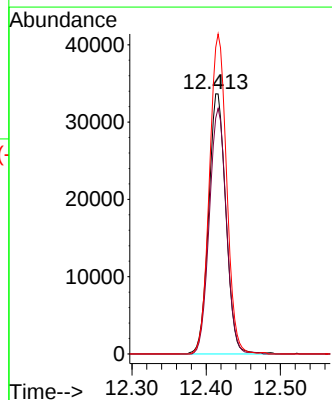
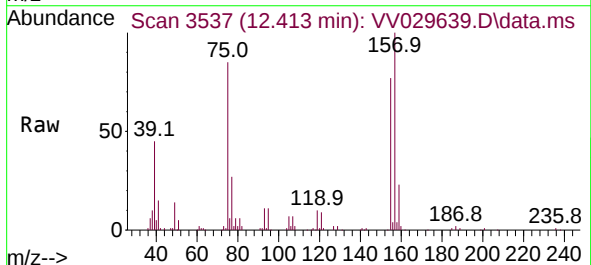
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

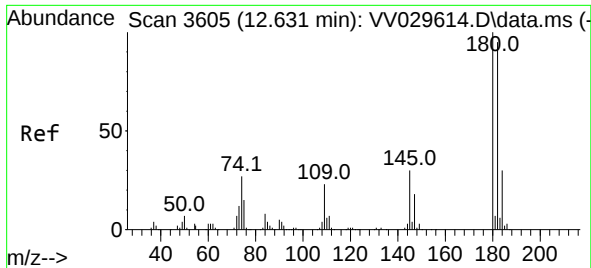
Tgt Ion:146 Resp: 388275
Ion Ratio Lower Upper
146 100
111 40.7 32.0 48.0
148 63.7 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 40.372 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VV029639.D
Acq: 13 Dec 2022 08:40

Tgt Ion: 75 Resp: 54238
Ion Ratio Lower Upper
75 100
155 90.7 76.2 114.2
157 117.9 96.0 144.0

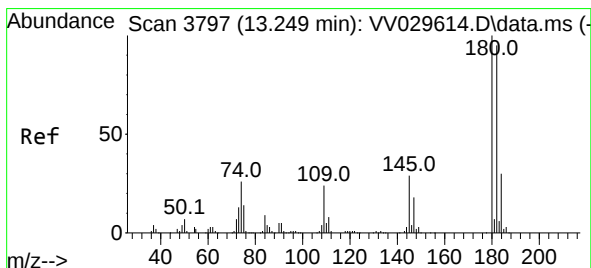
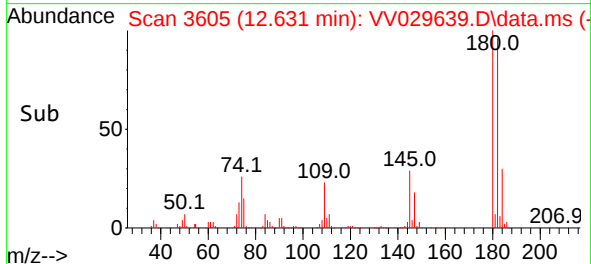
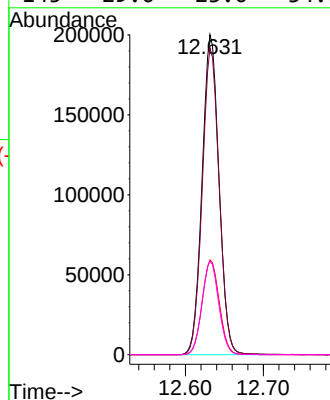
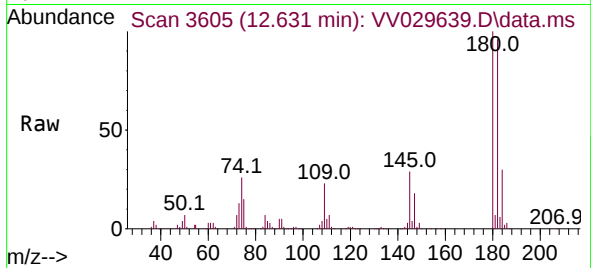




#69
 1,3,5-Trichlorobenzene
 Concen: 47.159 ug/L
 RT: 12.631 min Scan# 3605
 Delta R.T. 0.000 min
 Lab File: VV029639.D
 Acq: 13 Dec 2022 08:40

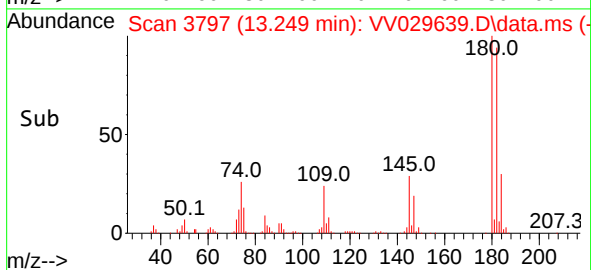
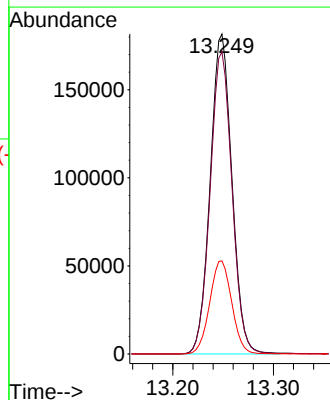
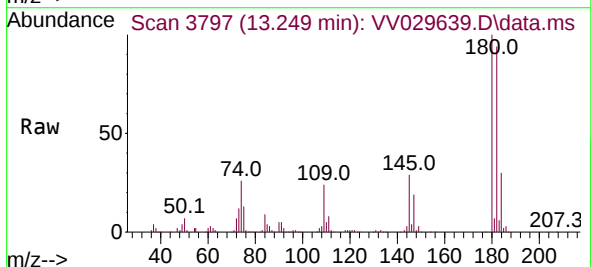
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050385

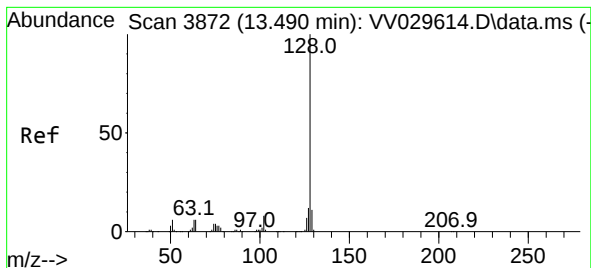
Tgt Ion:180 Resp: 301700
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 30.0 24.6 36.8
 145 29.0 23.0 34.6



#70
 1,2,4-trichlorobenzene
 Concen: 47.936 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.000 min
 Lab File: VV029639.D
 Acq: 13 Dec 2022 08:40

Tgt Ion:180 Resp: 272704
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.3 114.5
 145 29.6 23.7 35.5





#71

Naphthalene

Concen: 54.802 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

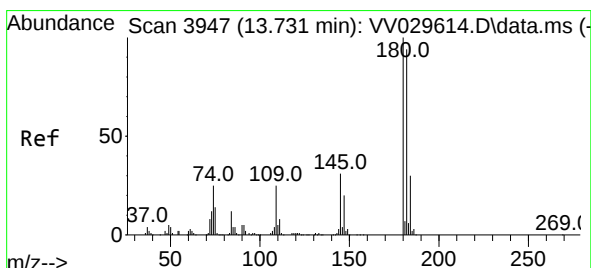
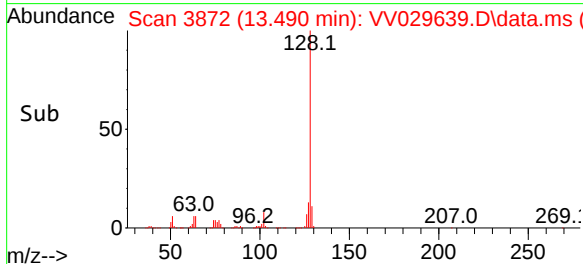
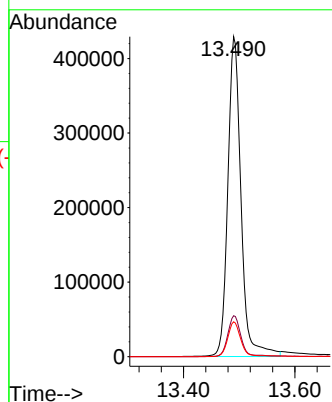
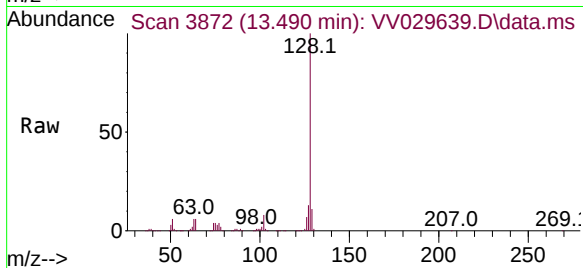
Tgt Ion:128 Resp: 707163

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 10.6 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 48.844 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV029639.D

Acq: 13 Dec 2022 08:40

Tgt Ion:180 Resp: 272161

Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 31.7 25.0 37.6

