

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121322\
 Data File : VV029665.D
 Acq On : 13 Dec 2022 20:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050387

Quant Time: Dec 13 22:55:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 22:49:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	527380	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	480866	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	263891	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	152578	47.246	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.500%
7) Chloroethane-d5	1.561	69	125464	50.949	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.900%
11) 1,1-Dichloroethene-d2	2.108	63	266624	52.932	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.860%
21) 2-Butanone-d5	3.870	46	194327	98.640	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.640%
24) Chloroform-d	4.339	84	275792	45.381	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.760%
26) 1,2-Dichloroethane-d4	5.024	65	158550	45.680	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.360%
32) Benzene-d6	5.043	84	582090	45.812	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.620%
36) 1,2-Dichloropropane-d6	6.063	67	175675	45.264	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.520%
41) Toluene-d8	7.307	98	544485	45.480	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.960%
43) trans-1,3-Dichloroprop...	7.612	79	77003	39.291	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.580%
47) 2-Hexanone-d5	8.082	63	160761	97.000	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.000%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	242002	43.634	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.260%
66) 1,2-Dichlorobenzene-d4	11.612	152	212657	42.333	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	180196	43.378	ug/L	100
3) Chloromethane	1.240	50	200918	42.421	ug/L	98
5) Vinyl chloride	1.310	62	197016	49.718	ug/L	100
6) Bromomethane	1.516	94	95621	59.970	ug/L	100
8) Chloroethane	1.580	64	119105	53.978	ug/L	100
9) Trichlorofluoromethane	1.751	101	244448	49.277	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	143290	51.983	ug/L	98
12) 1,1-Dichloroethene	2.117	96	143884	51.041	ug/L	95
13) Acetone	2.159	43	130894	101.991	ug/L	99
14) Carbon disulfide	2.291	76	423281	45.117	ug/L	100
15) Methyl Acetate	2.423	43	157694	53.932	ug/L	97
16) Methylene chloride	2.503	84	177845	50.740	ug/L	96
17) trans-1,2-Dichloroethene	2.754	96	158249	48.720	ug/L	94
18) Methyl tert-butyl Ether	2.764	73	496152	49.857	ug/L	99
19) 1,1-Dichloroethane	3.182	63	282665	50.798	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	174504	48.858	ug/L	91
22) 2-Butanone	3.953	43	215043	105.305	ug/L	97
23) Bromochloromethane	4.239	128	89633	48.736	ug/L	93
25) Chloroform	4.365	83	283071	49.070	ug/L	99

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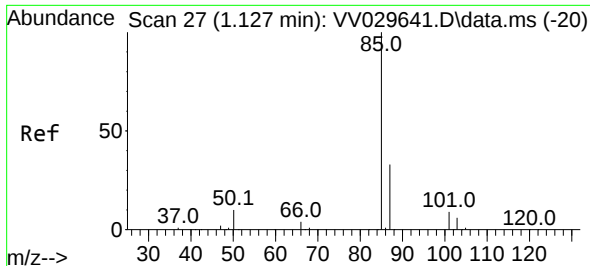
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.120	62	204994	50.304	ug/L	98
29) Cyclohexane	4.670	56	248913	47.785	ug/L	97
30) 1,1,1-Trichloroethane	4.600	97	249657	47.653	ug/L	99
31) Carbon tetrachloride	4.821	117	213102	46.580	ug/L	99
33) Benzene	5.092	78	662686	48.891	ug/L	100
34) Trichloroethene	5.905	95	163815	48.231	ug/L	99
35) Methylcyclohexane	6.124	83	270914	46.963	ug/L	98
37) 1,2-Dichloropropane	6.165	63	165225	50.505	ug/L	99
38) Bromodichloromethane	6.503	83	214290	47.450	ug/L	99
39) cis-1,3-Dichloropropene	7.018	75	222143	41.288	ug/L	98
40) 4-Methyl-2-pentanone	7.220	43	432353	110.845	ug/L	97
42) Toluene	7.381	91	705493	48.358	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	219120	43.005	ug/L	98
45) 1,1,2-Trichloroethane	7.831	97	166524	49.271	ug/L	98
46) Tetrachloroethene	7.966	164	133440	48.866	ug/L	97
48) 2-Hexanone	8.133	43	334675	112.307	ug/L	95
49) Dibromochloromethane	8.236	129	177348	47.528	ug/L	100
50) 1,2-Dibromoethane	8.342	107	165603	47.560	ug/L	99
51) Chlorobenzene	8.873	112	453184	49.056	ug/L	99
52) Ethylbenzene	9.005	91	753056	49.097	ug/L	99
53) m,p-Xylene	9.130	106	298555	49.180	ug/L	98
54) o-Xylene	9.535	106	292907	48.779	ug/L	99
55) Styrene	9.551	104	523507	50.167	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.230	83	259868	48.067	ug/L	100
59) Bromoform	9.722	173	131031	44.949	ug/L	99
60) Isopropylbenzene	9.921	105	764902	49.369	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	199009	48.856	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	638262	46.592	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	641188	47.218	ug/L	99
64) 1,3-Dichlorobenzene	11.168	146	361136	47.672	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	363363	47.196	ug/L	99
67) 1,2-Dichlorobenzene	11.631	146	371758	47.990	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	56330	44.494	ug/L	99
69) 1,3,5-Trichlorobenzene	12.631	180	281884	46.757	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	254218	47.421	ug/L	99
71) Naphthalene	13.490	128	682562	56.131	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	257482	49.036	ug/L	99

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

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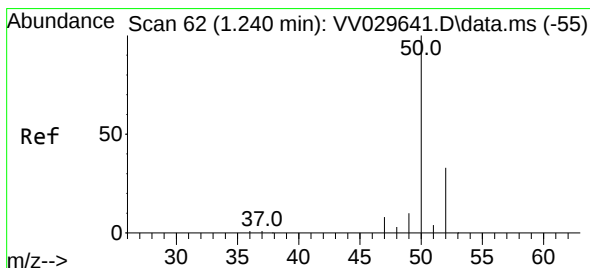
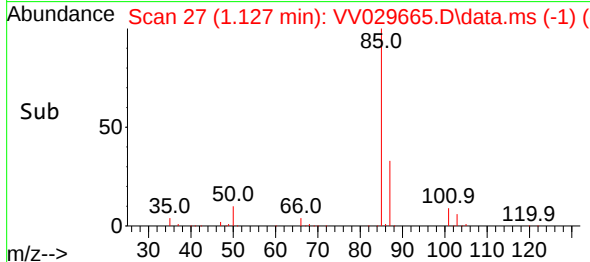
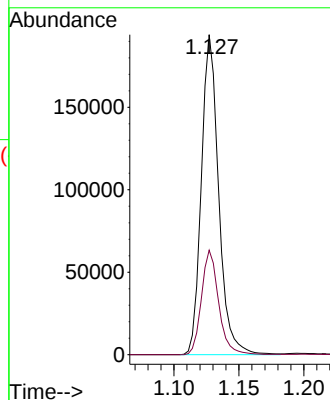
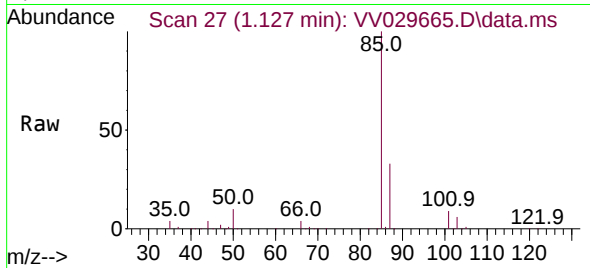




#2
 Dichlorodifluoromethane
 Concen: 43.378 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029665.D
 Acq: 13 Dec 2022 20:43

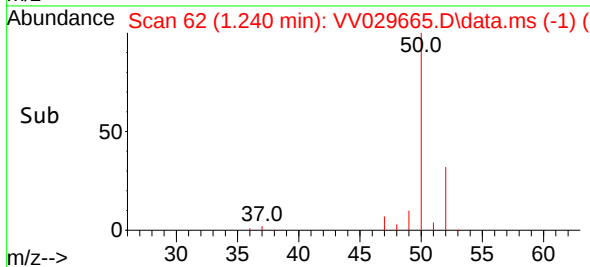
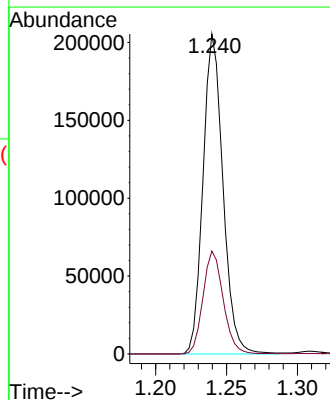
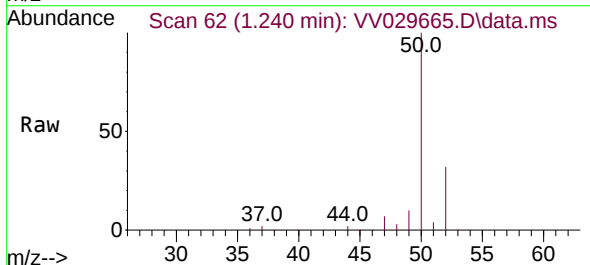
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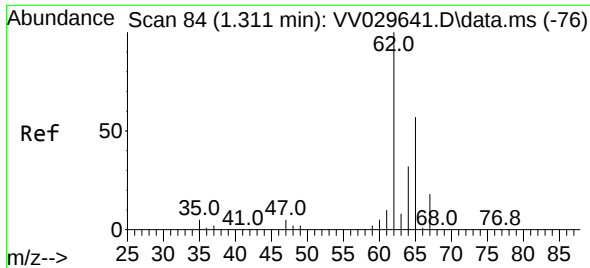
Tgt Ion: 85 Resp: 180196
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 42.421 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029665.D
 Acq: 13 Dec 2022 20:43

Tgt Ion: 50 Resp: 200918
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.3 43.3

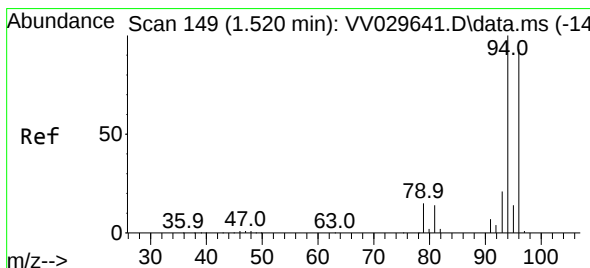
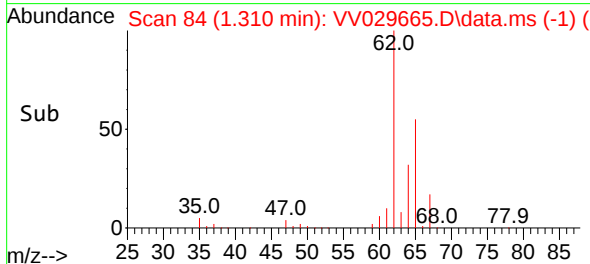
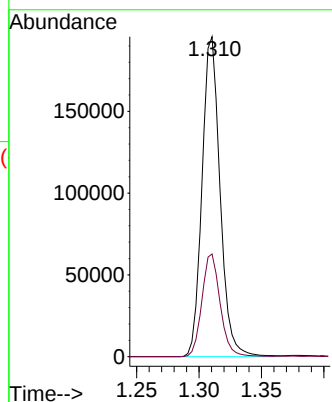
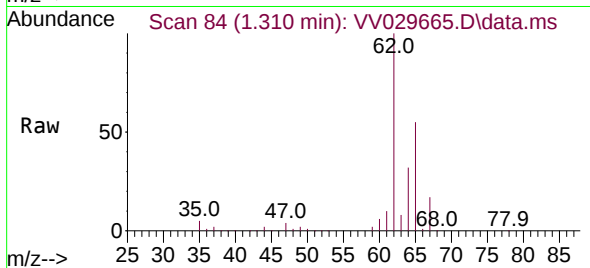




#5
 Vinyl chloride
 Concen: 49.718 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029665.D
 Acq: 13 Dec 2022 20:43

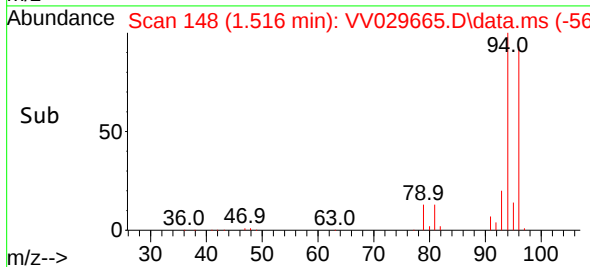
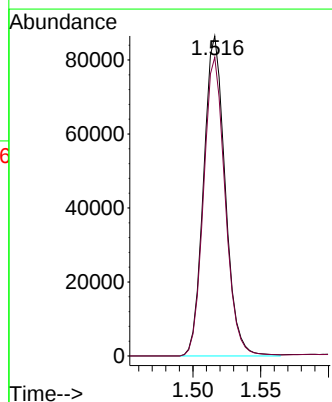
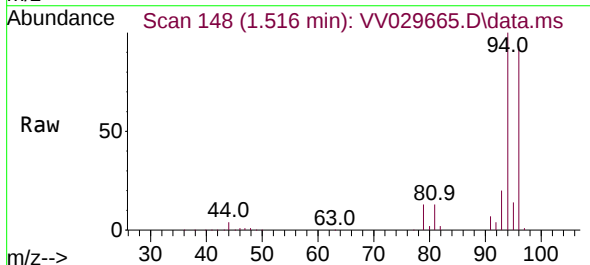
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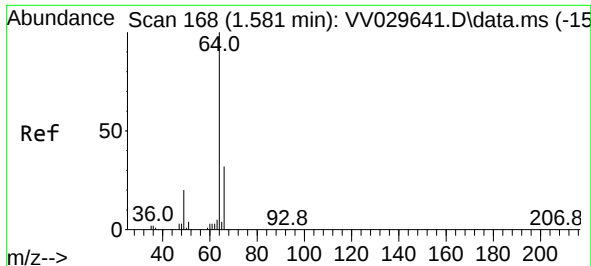
Tgt Ion: 62 Resp: 197016
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.5 41.9



#6
 Bromomethane
 Concen: 59.970 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.003 min
 Lab File: VV029665.D
 Acq: 13 Dec 2022 20:43

Tgt Ion: 94 Resp: 95621
 Ion Ratio Lower Upper
 94 100
 96 93.3 65.1 120.9

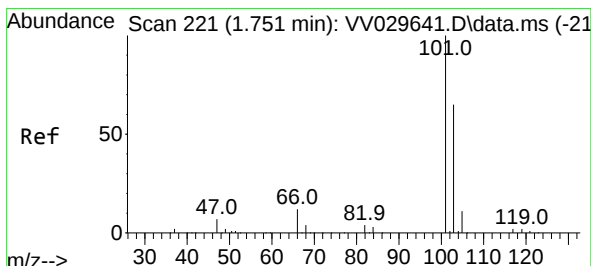
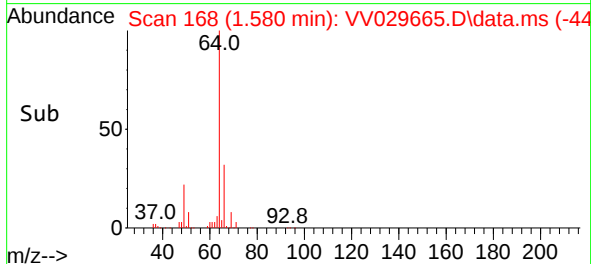
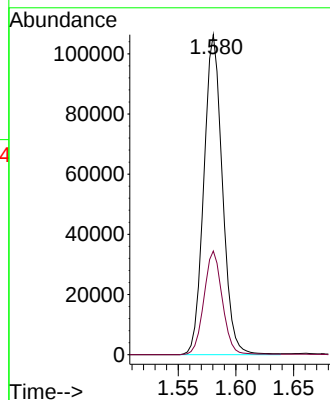
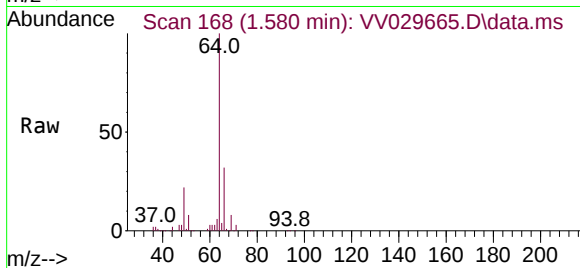




#8
Chloroethane
Concen: 53.978 ug/L
RT: 1.580 min Scan# 119105
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

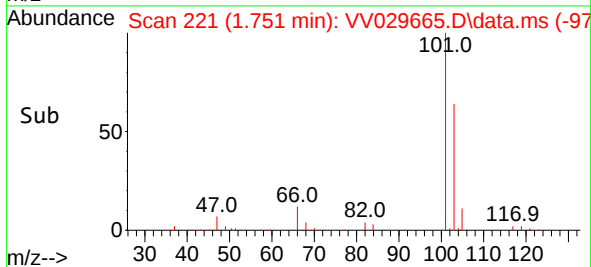
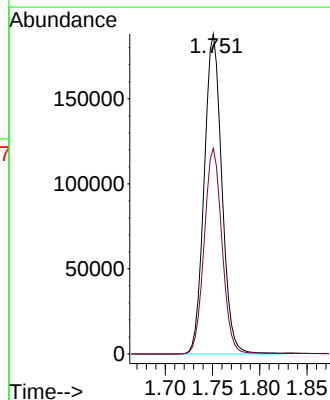
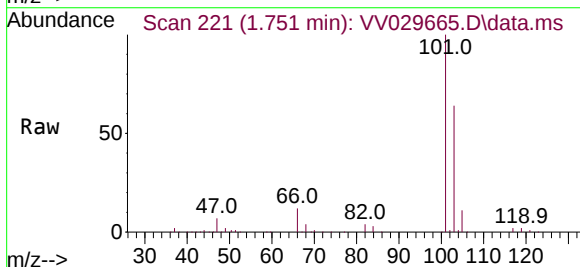
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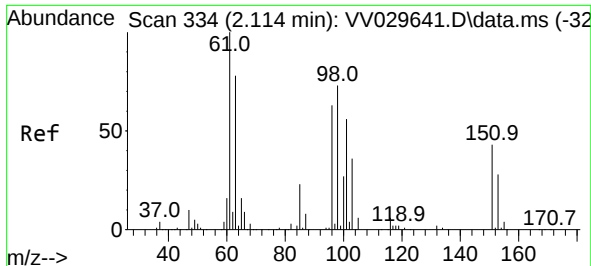
Tgt Ion: 64 Resp: 119105
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 49.277 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion:101 Resp: 244448
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.8

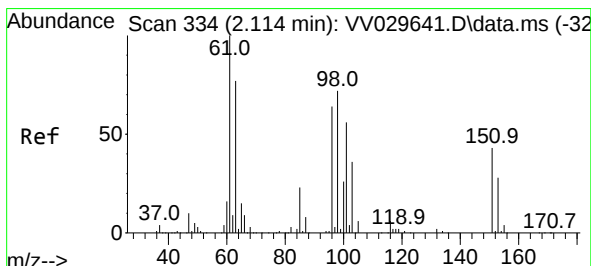
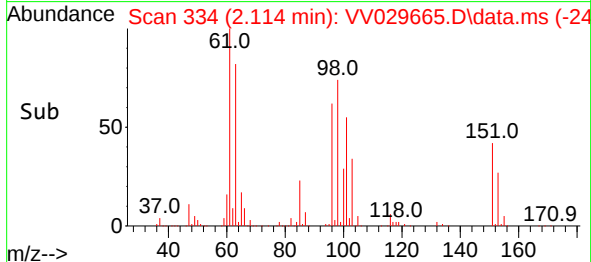
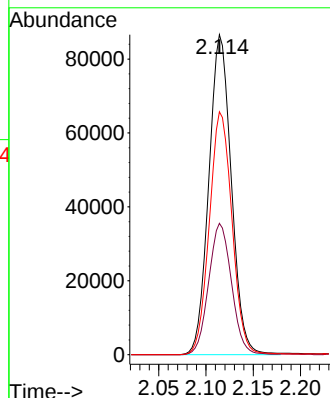
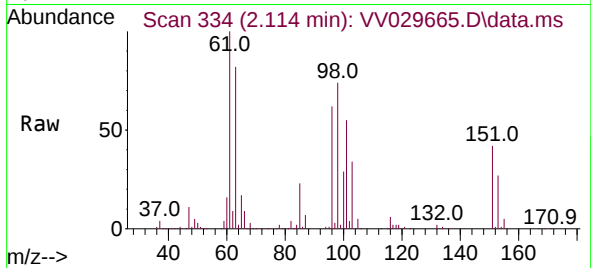




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 51.983 ug/L
 RT: 2.114 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV029665.D
 Acq: 13 Dec 2022 20:43

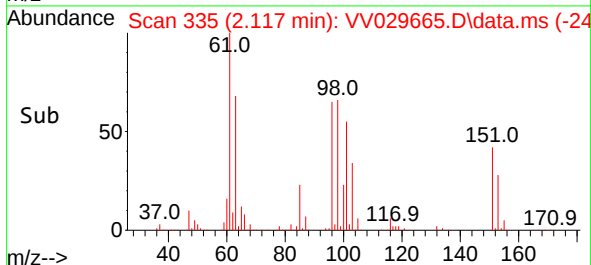
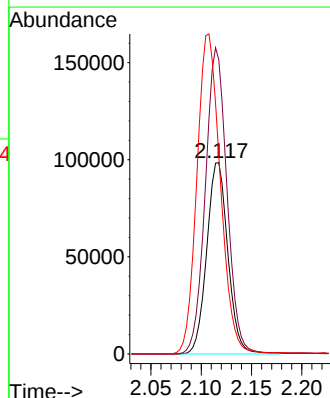
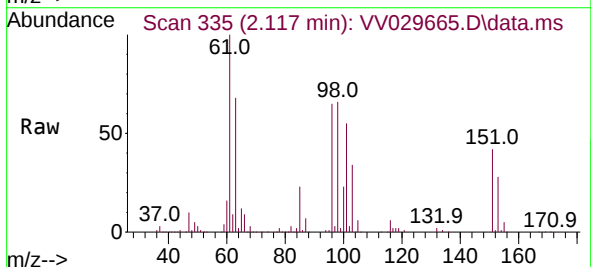
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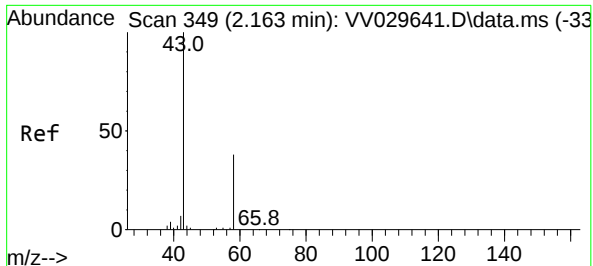
Tgt Ion:101 Resp: 143290
 Ion Ratio Lower Upper
 101 100
 85 41.6 33.6 50.4
 151 76.8 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 51.041 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV029665.D
 Acq: 13 Dec 2022 20:43

Tgt Ion: 96 Resp: 143884
 Ion Ratio Lower Upper
 96 100
 61 153.9 103.3 191.9
 63 104.2 77.3 143.7





#13

Acetone

Concen: 101.991 ug/L

RT: 2.159 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

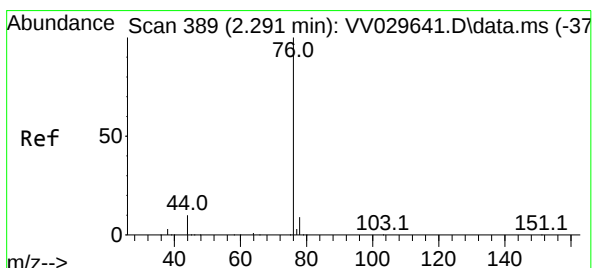
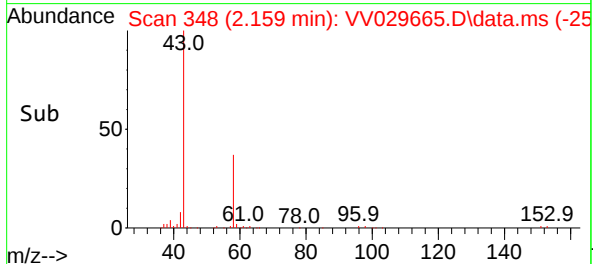
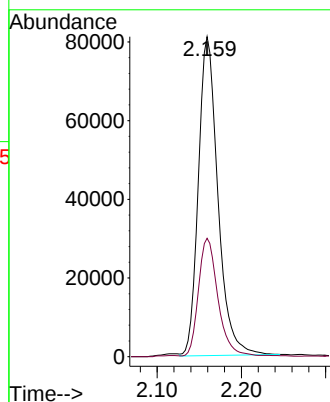
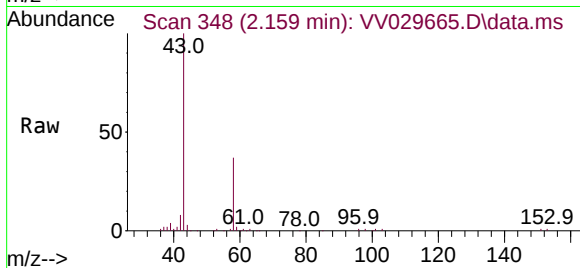
VSTD050387

Tgt Ion: 43 Resp: 130894

Ion Ratio Lower Upper

43 100

58 36.7 0.0 74.8



#14

Carbon disulfide

Concen: 45.117 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV029665.D

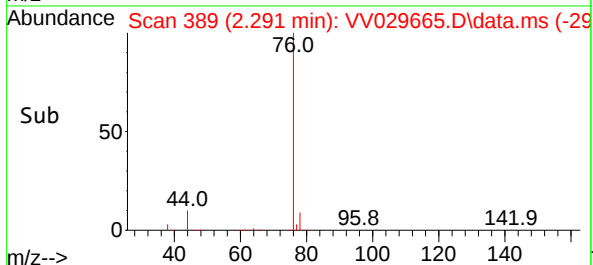
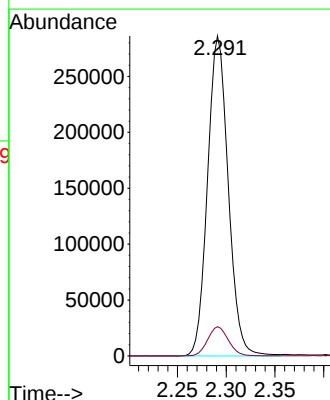
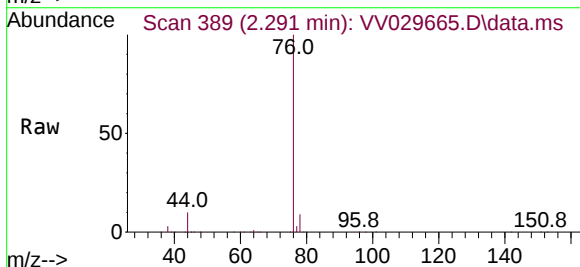
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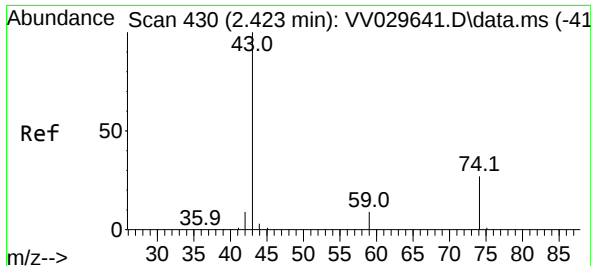
Tgt Ion: 76 Resp: 423281

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

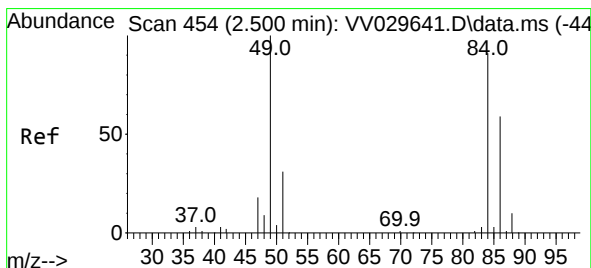
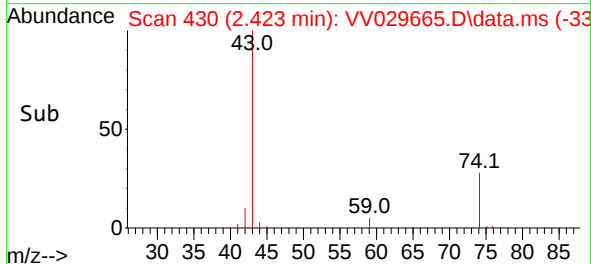
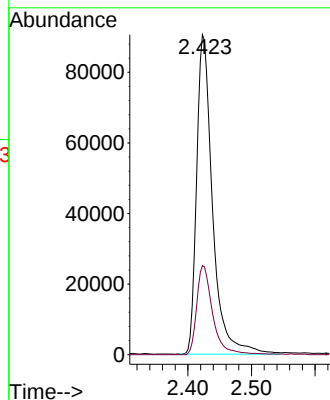
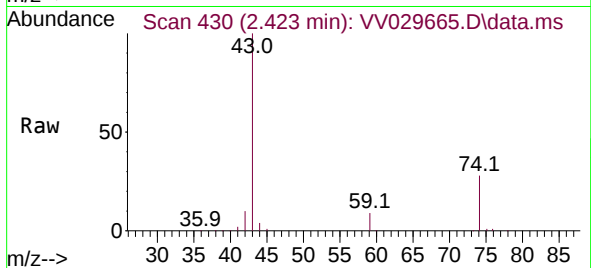




#15
Methyl Acetate
Concen: 53.932 ug/L
RT: 2.423 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

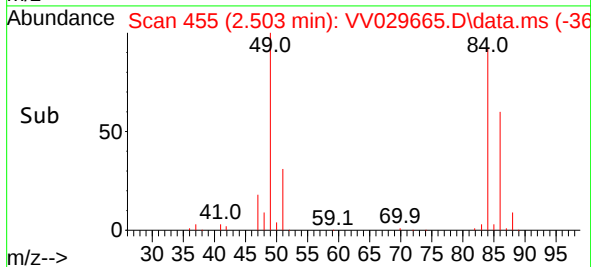
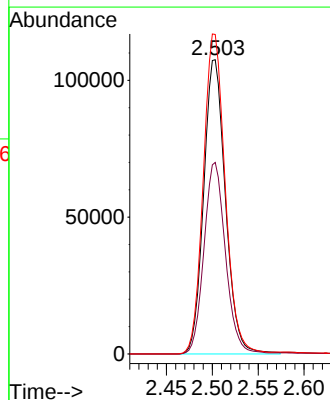
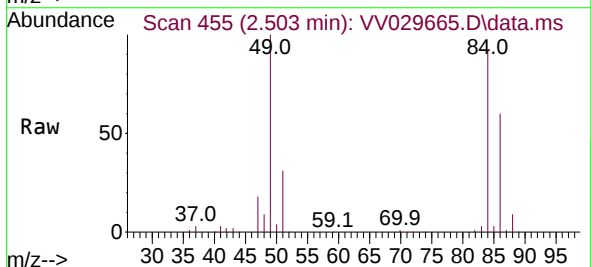
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

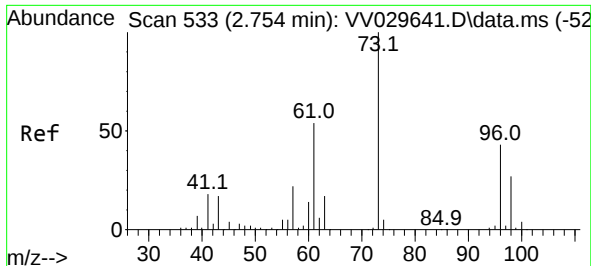
Tgt Ion: 43 Resp: 157694
Ion Ratio Lower Upper
43 100
74 27.9 23.5 35.3



#16
Methylene chloride
Concen: 50.740 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 84 Resp: 177845
Ion Ratio Lower Upper
84 100
86 65.1 46.0 85.4
49 108.5 72.2 134.0





#17

trans-1,2-Dichloroethene

Concen: 48.720 ug/L

RT: 2.754 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

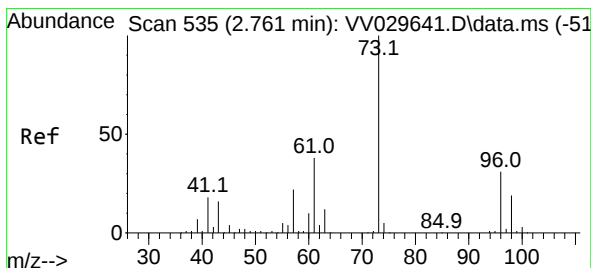
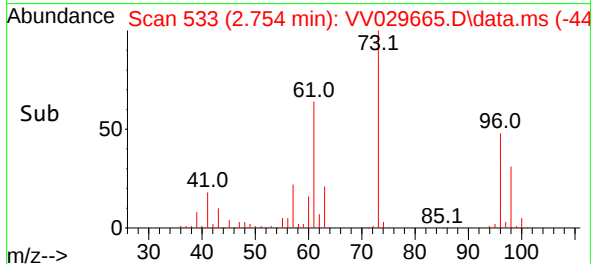
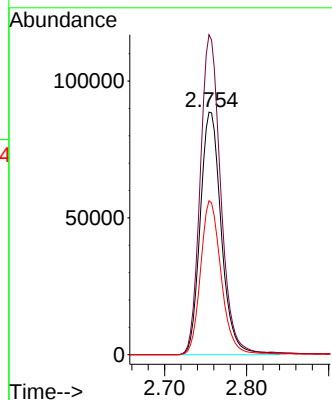
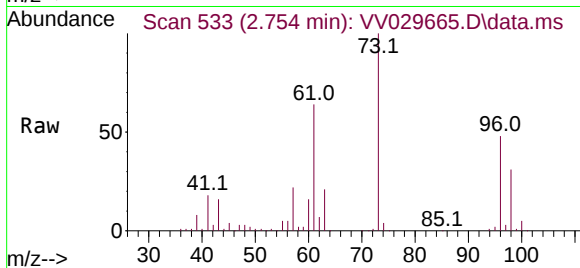
Tgt Ion: 96 Resp: 158249

Ion Ratio Lower Upper

96 100

61 131.9 86.4 160.4

98 63.5 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 49.857 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

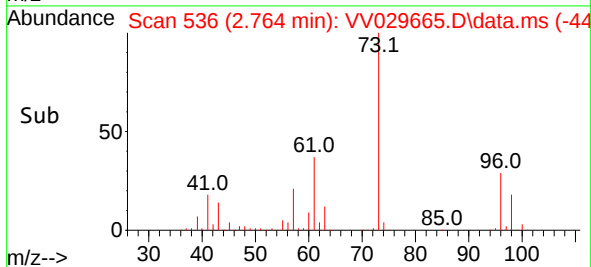
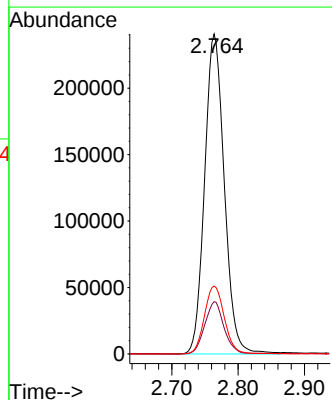
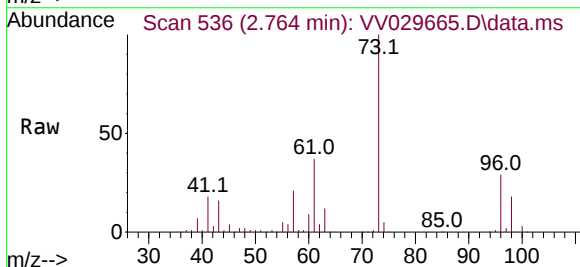
Tgt Ion: 73 Resp: 496152

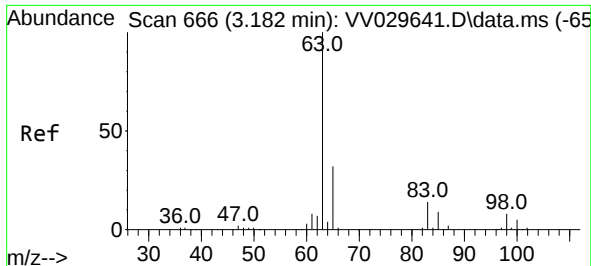
Ion Ratio Lower Upper

73 100

43 16.0 12.7 19.1

57 21.5 16.7 25.1





#19

1,1-Dichloroethane

Concen: 50.798 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

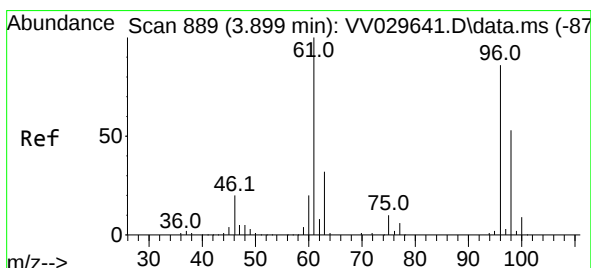
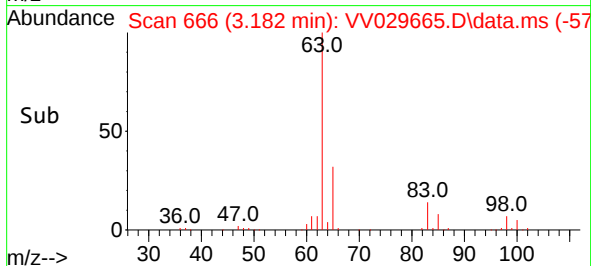
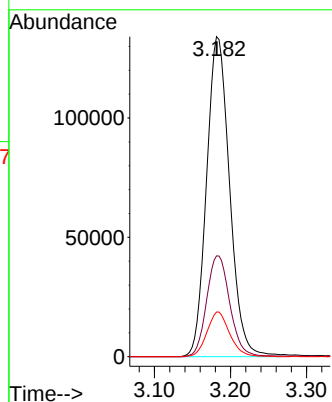
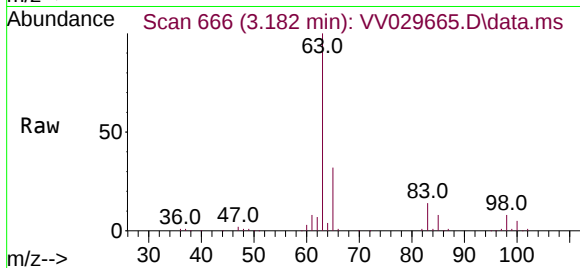
Tgt Ion: 63 Resp: 282665

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.7

83 13.9 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 48.858 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

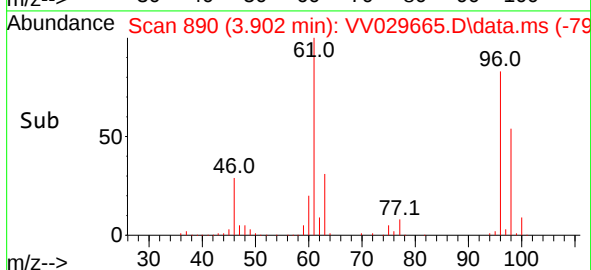
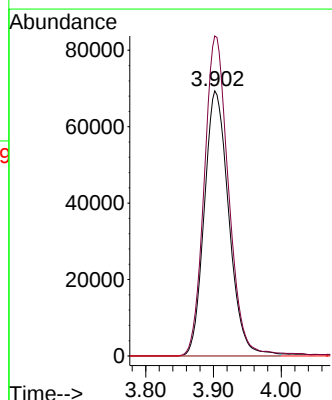
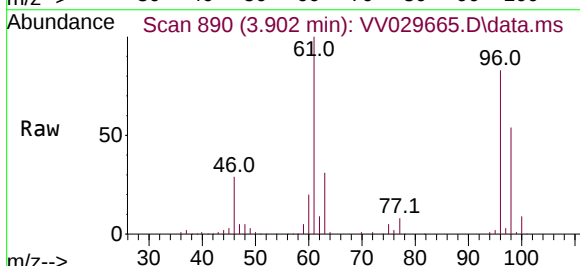
Tgt Ion: 96 Resp: 174504

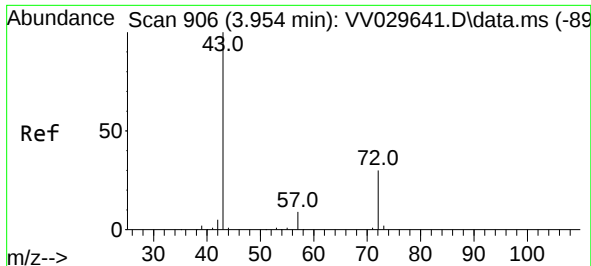
Ion Ratio Lower Upper

96 100

61 120.7 78.0 144.9

68 0.0 0.0 0.0

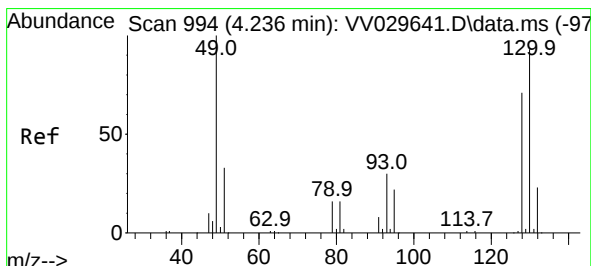
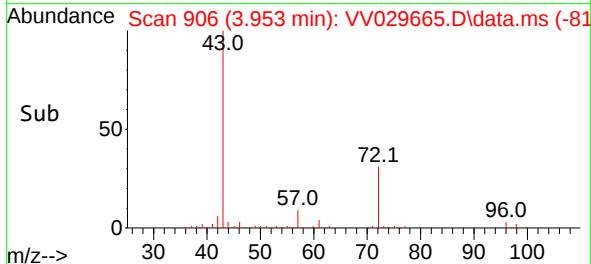
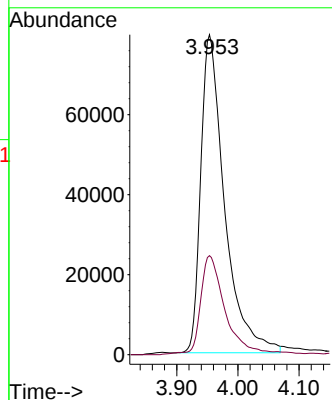
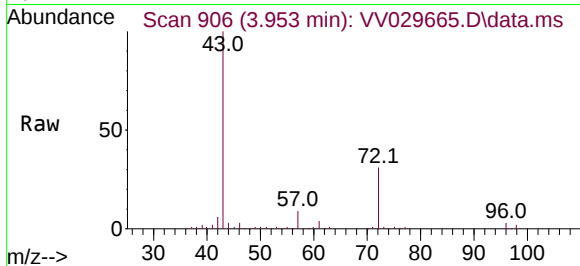




#22
2-Butanone
Concen: 105.305 ug/L
RT: 3.953 min Scan# 906
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

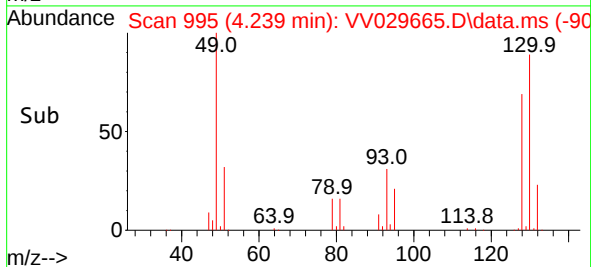
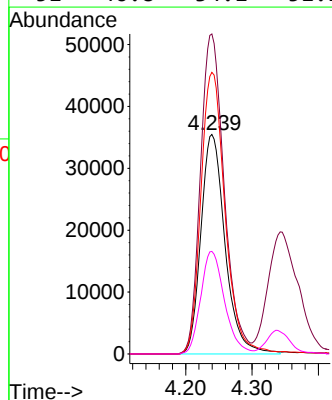
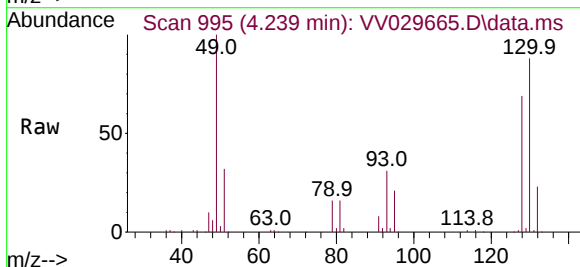
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

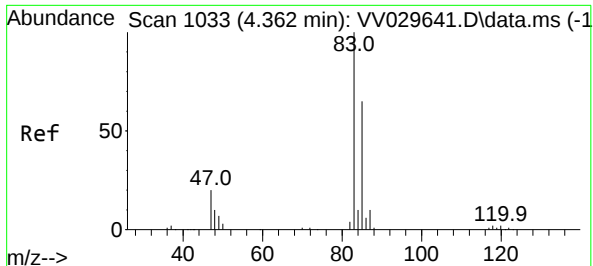
Tgt Ion: 43 Resp: 215043
Ion Ratio Lower Upper
43 100
72 29.8 15.9 47.6



#23
Bromochloromethane
Concen: 48.736 ug/L
RT: 4.239 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion:128 Resp: 89633
Ion Ratio Lower Upper
128 100
49 145.8 92.2 171.2
130 128.3 88.3 164.1
51 46.8 34.1 51.1

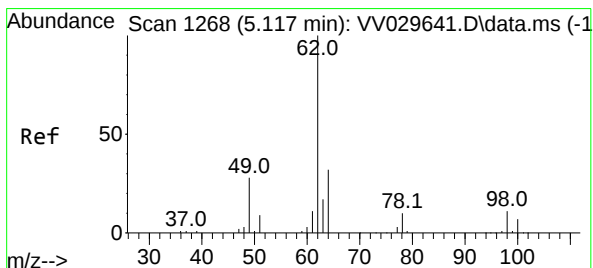
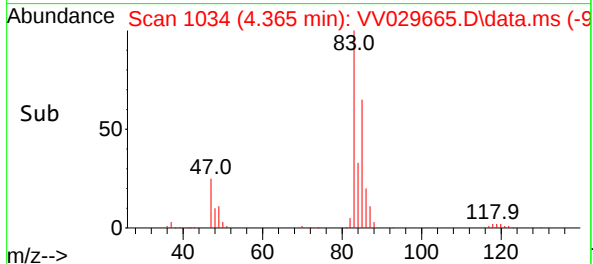
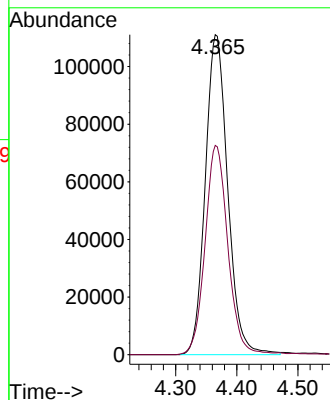
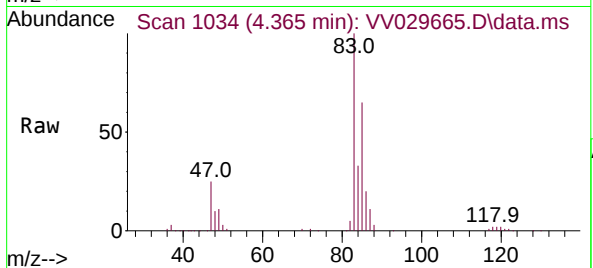




#25
Chloroform
Concen: 49.070 ug/L
RT: 4.365 min Scan# 1033
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

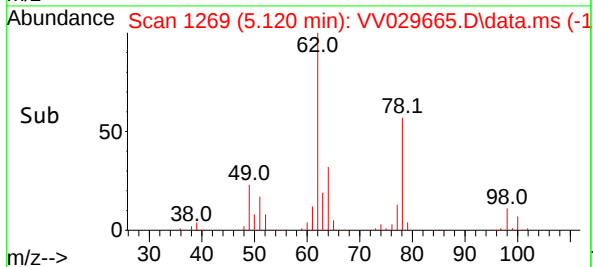
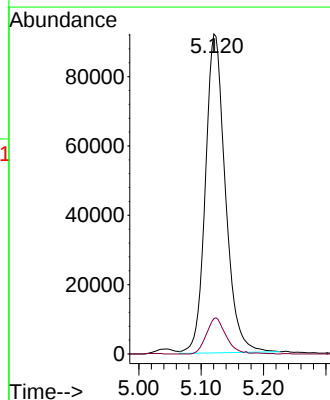
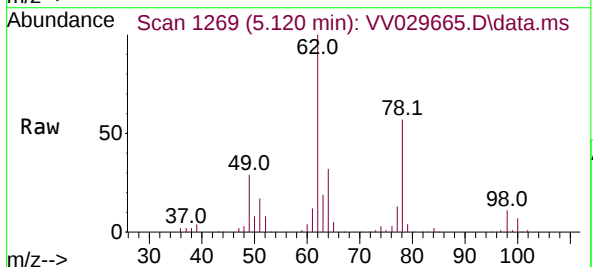
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

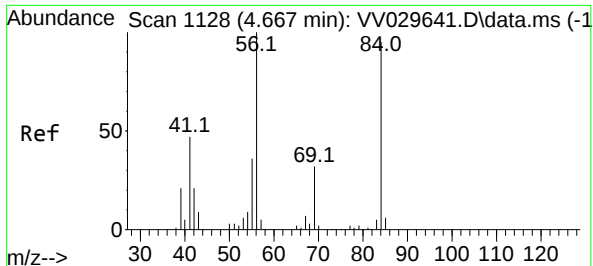
Tgt Ion: 83 Resp: 283071
Ion Ratio Lower Upper
83 100
85 65.4 45.1 83.9



#27
1,2-Dichloroethane
Concen: 50.304 ug/L
RT: 5.120 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 62 Resp: 204994
Ion Ratio Lower Upper
62 100
98 11.1 9.4 14.0





#29

Cyclohexane

Concen: 47.785 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

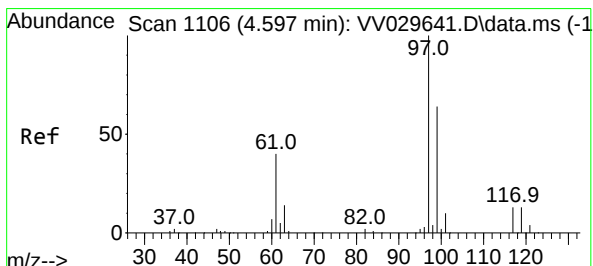
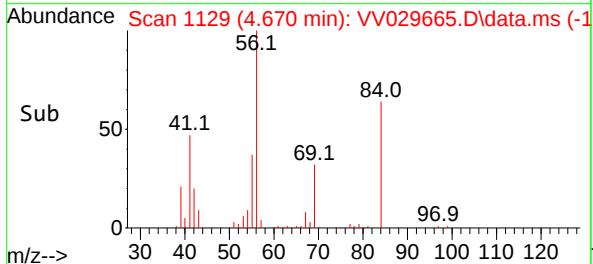
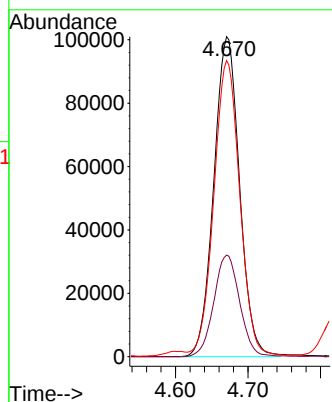
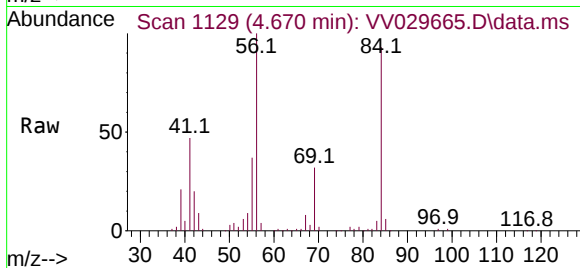
Tgt Ion: 56 Resp: 248913

Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.8

84 92.2 76.6 114.8



#30

1,1,1-Trichloroethane

Concen: 47.653 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

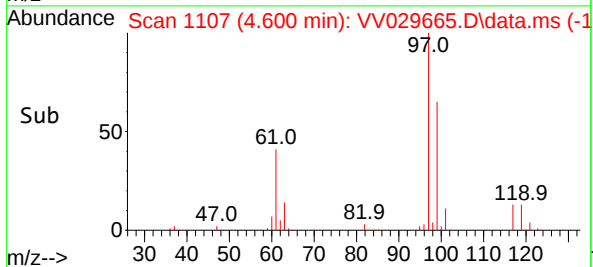
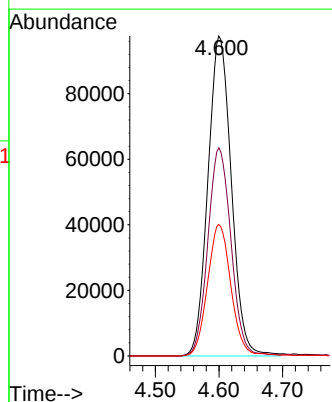
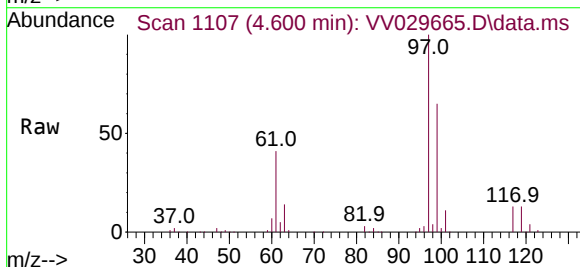
Tgt Ion: 97 Resp: 249657

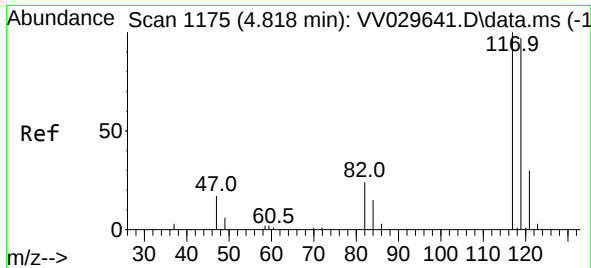
Ion Ratio Lower Upper

97 100

99 64.3 52.1 78.1

61 40.7 31.8 47.8

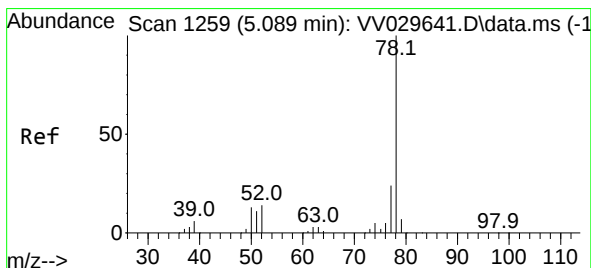
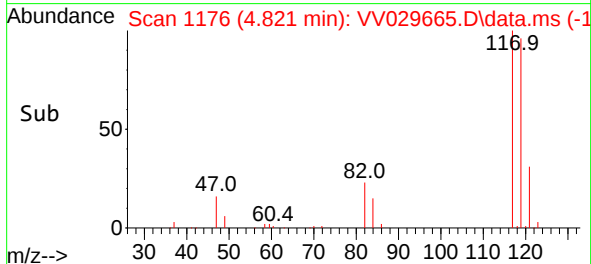
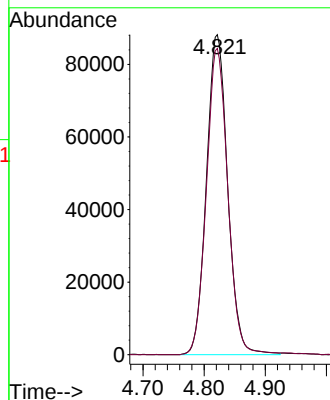
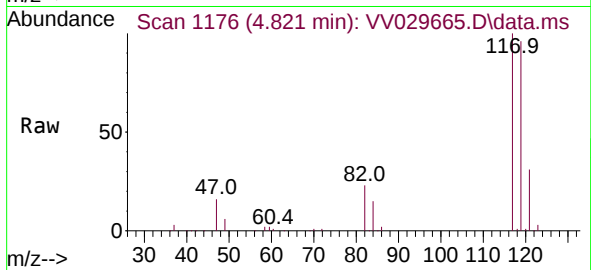




#31
Carbon tetrachloride
Concen: 46.580 ug/L
RT: 4.821 min Scan# 1175
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

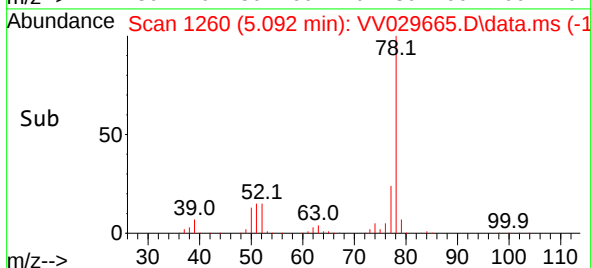
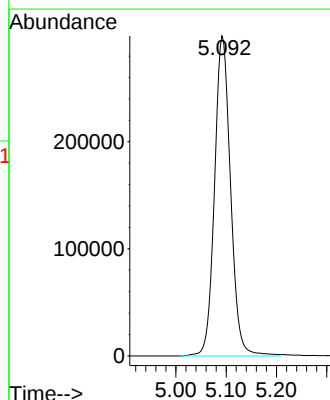
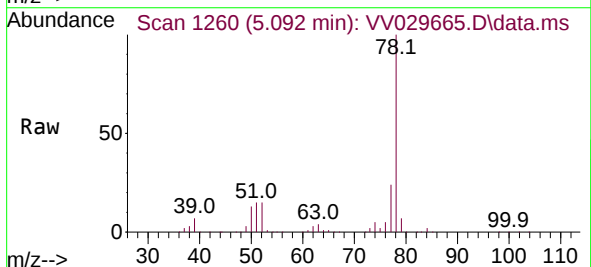
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

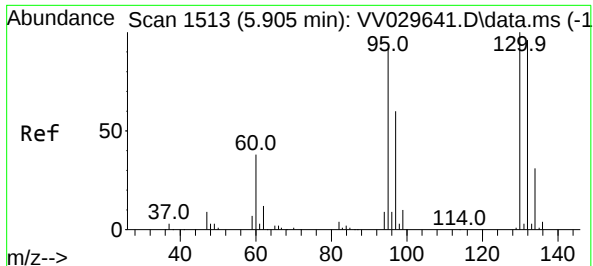
Tgt Ion:117 Resp: 213102
Ion Ratio Lower Upper
117 100
119 96.8 76.7 115.1



#33
Benzene
Concen: 48.891 ug/L
RT: 5.092 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 78 Resp: 662686

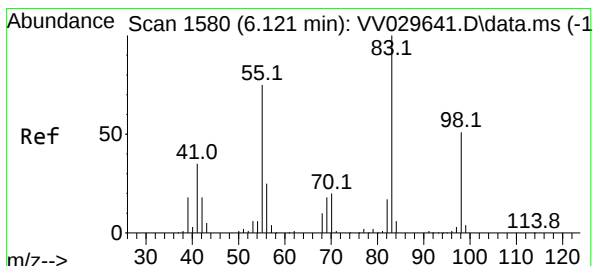
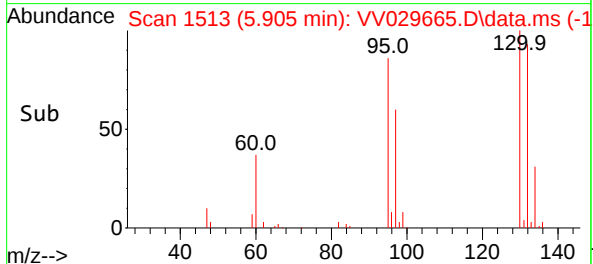
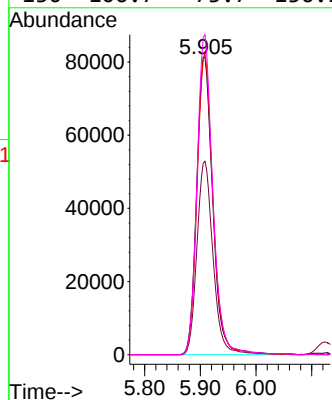
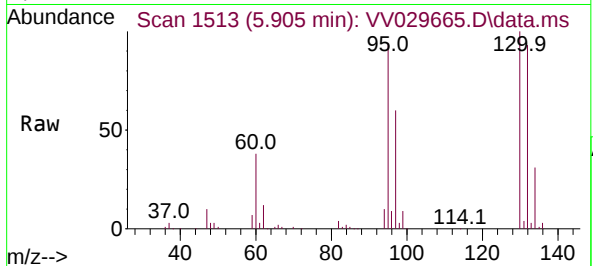




#34
Trichloroethene
Concen: 48.231 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

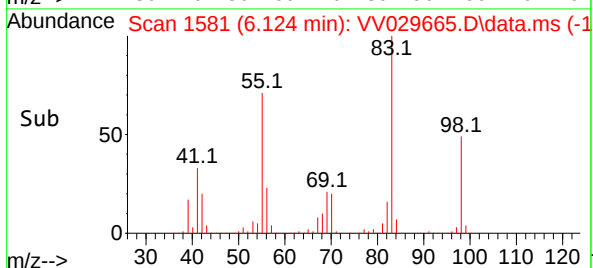
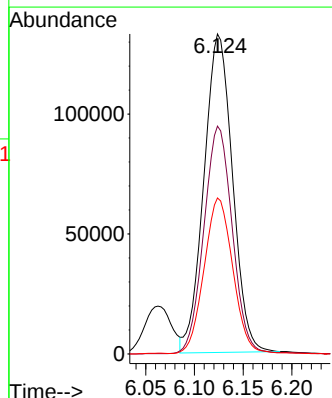
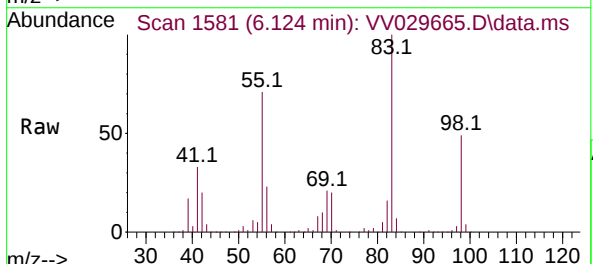
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

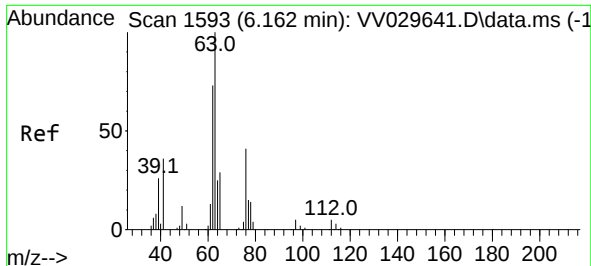
Tgt Ion: 95 Resp: 163815
Ion Ratio Lower Upper
95 100
97 64.4 44.0 81.8
132 99.5 69.9 129.9
130 106.7 73.7 136.9



#35
Methylcyclohexane
Concen: 46.963 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 83 Resp: 270914
Ion Ratio Lower Upper
83 100
55 70.9 55.5 83.3
98 49.0 39.8 59.8





#37

1,2-Dichloropropane

Concen: 50.505 ug/L

RT: 6.165 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

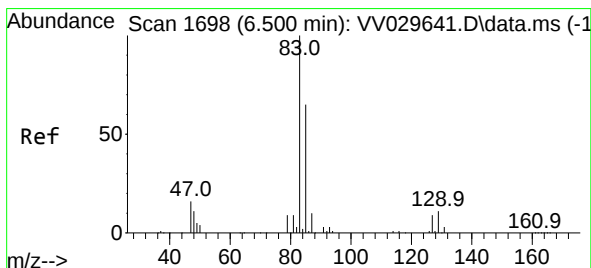
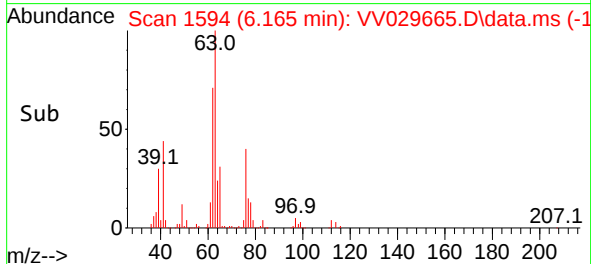
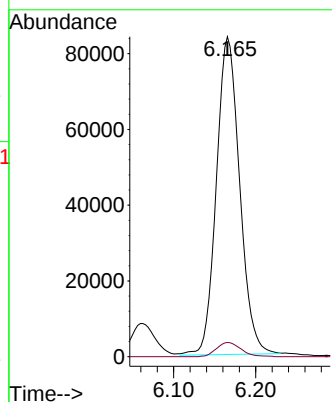
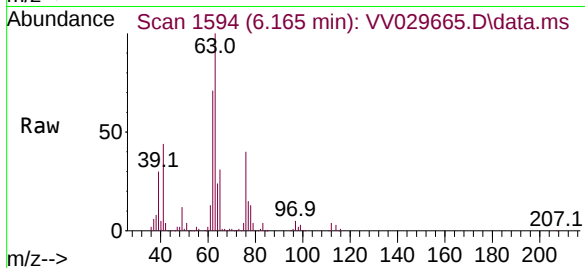
VSTD050387

Tgt Ion: 63 Resp: 165225

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



#38

Bromodichloromethane

Concen: 47.450 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

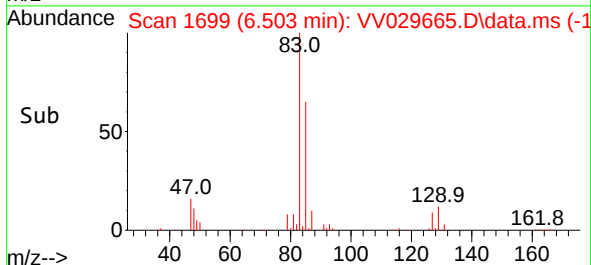
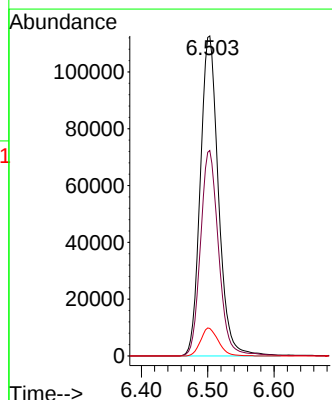
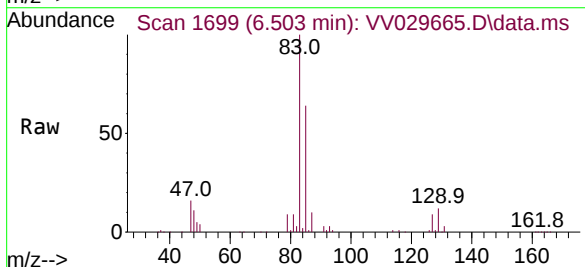
Tgt Ion: 83 Resp: 214290

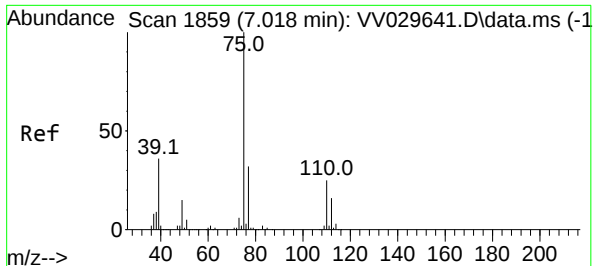
Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

127 8.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 41.288 ug/L

RT: 7.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

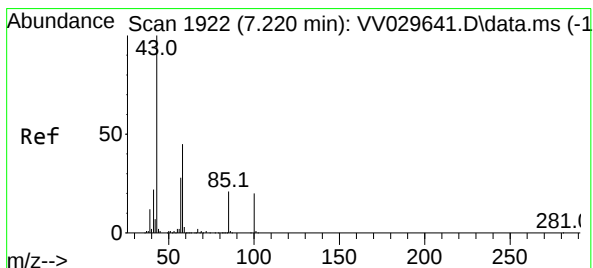
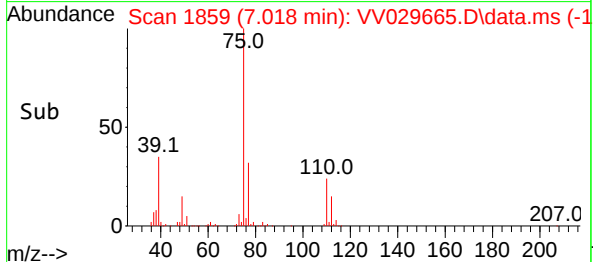
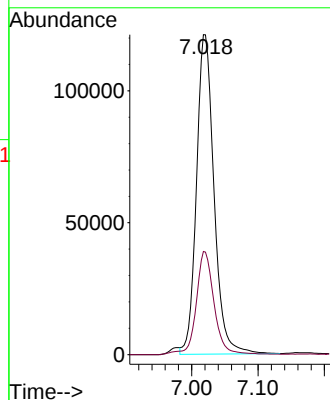
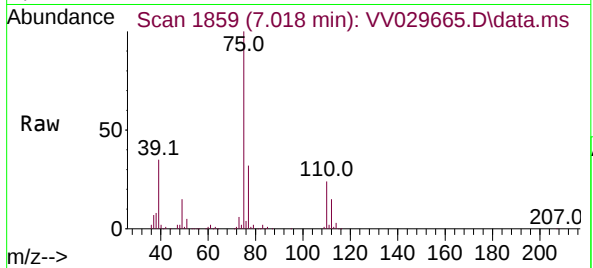
VSTD050387

Tgt Ion: 75 Resp: 222143

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 110.845 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.000 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

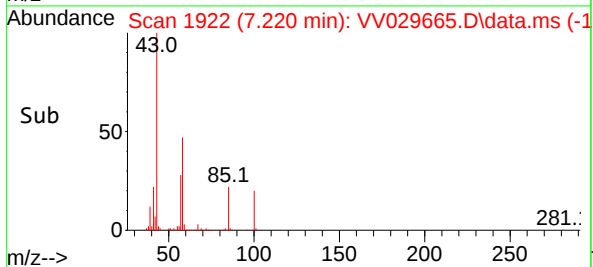
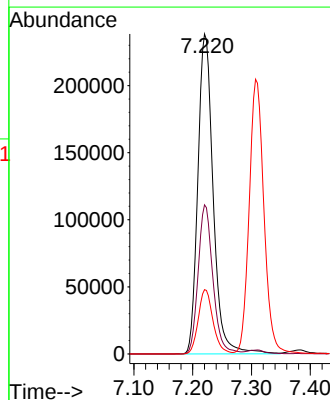
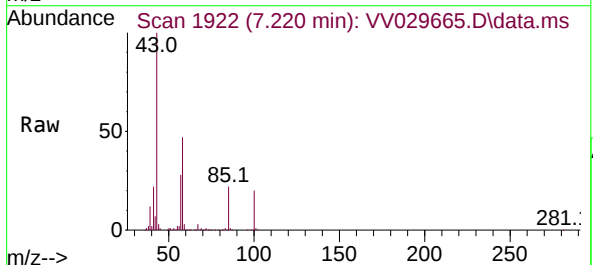
Tgt Ion: 43 Resp: 432353

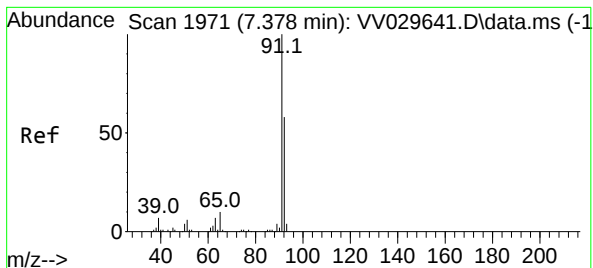
Ion Ratio Lower Upper

43 100

58 44.8 37.5 56.3

100 19.4 16.7 25.1





#42

Toluene

Concen: 48.358 ug/L

RT: 7.381 min Scan# 1971

Delta R.T. 0.003 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

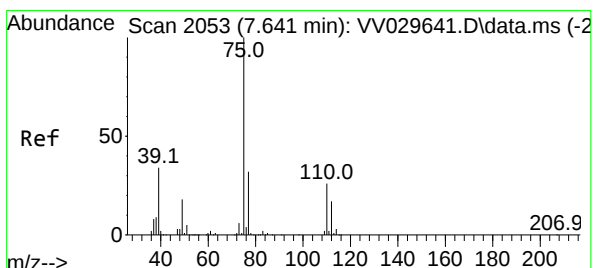
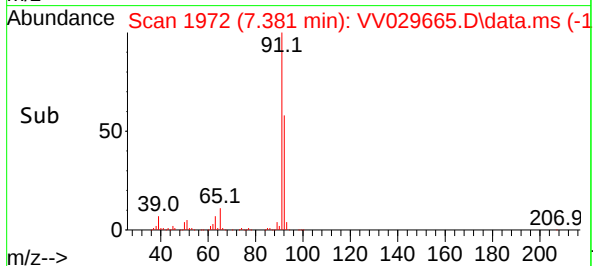
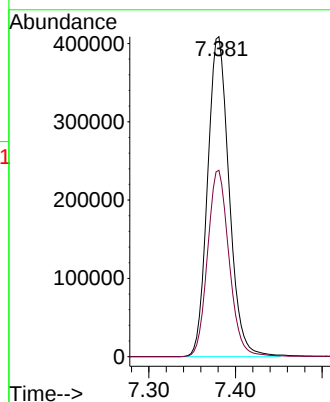
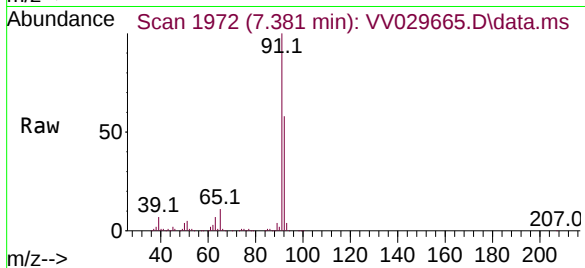
VSTD050387

Tgt Ion: 91 Resp: 705493

Ion Ratio Lower Upper

91 100

92 58.2 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 43.005 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VV029665.D

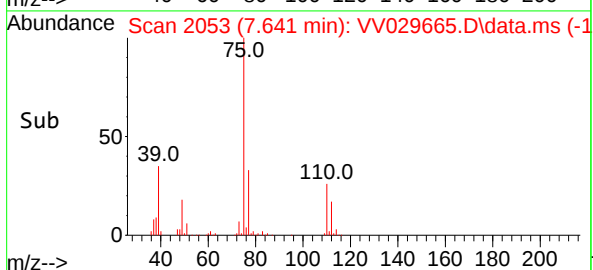
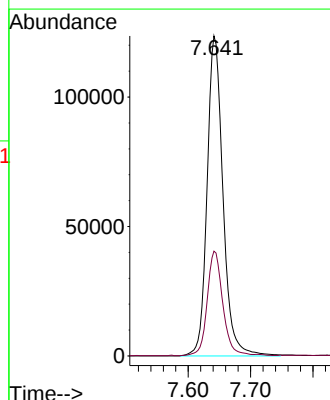
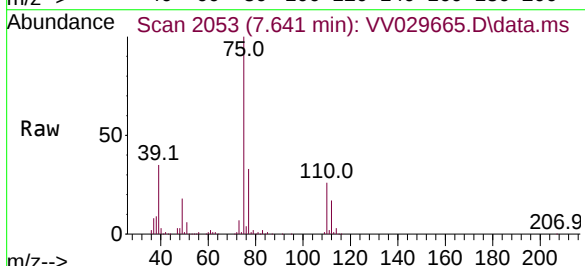
Acq: 13 Dec 2022 20:43

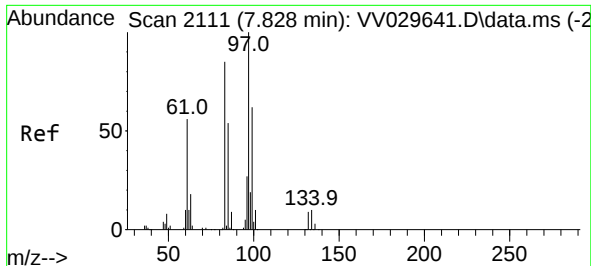
Tgt Ion: 75 Resp: 219120

Ion Ratio Lower Upper

75 100

77 32.8 22.3 41.5

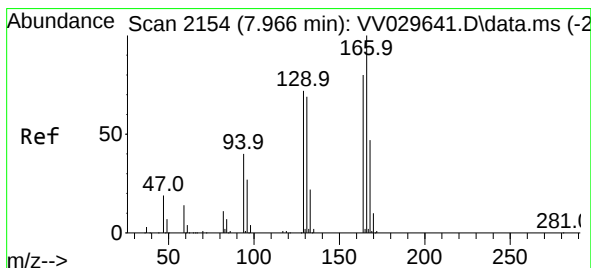
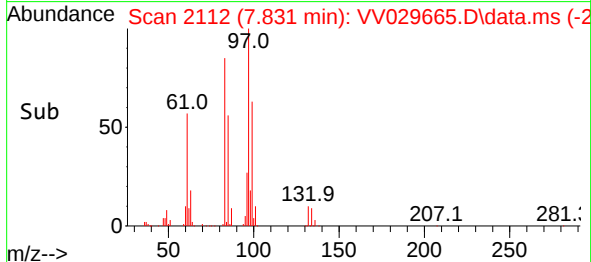
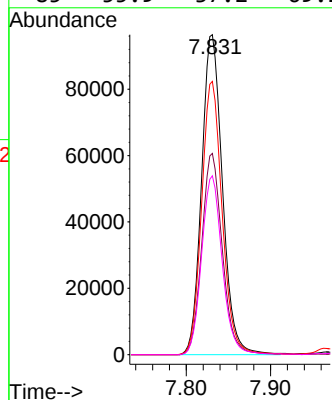
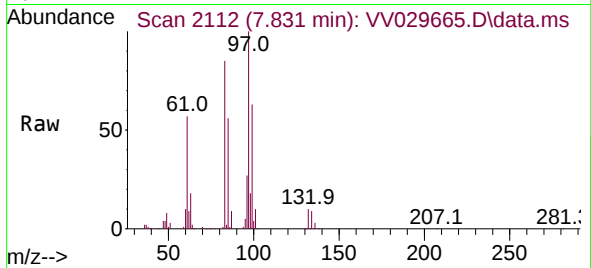




#45
1,1,2-Trichloroethane
Concen: 49.271 ug/L
RT: 7.831 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

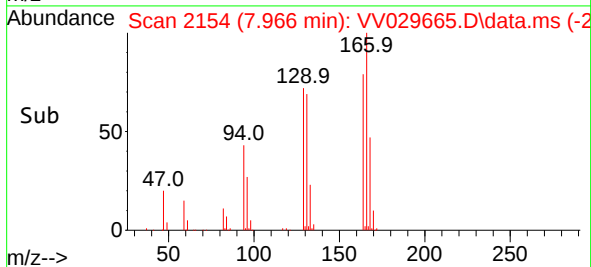
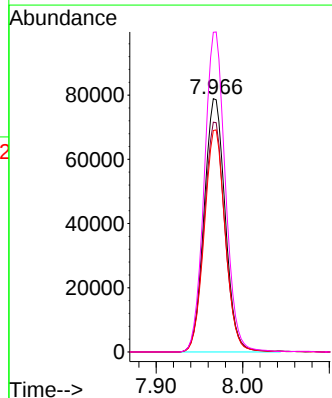
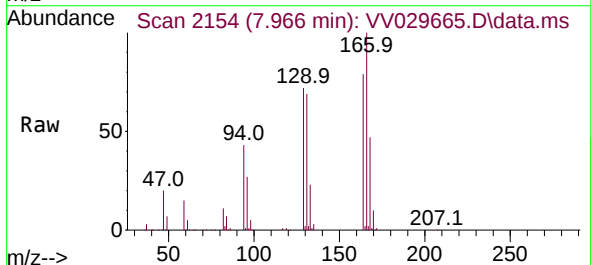
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

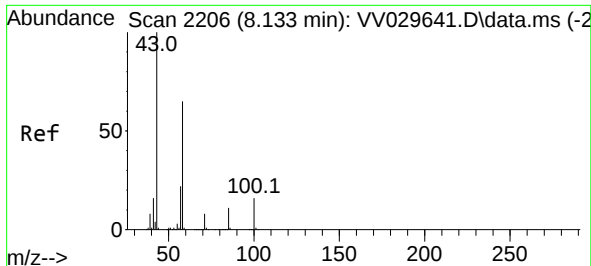
Tgt Ion: 97	Resp: 166524
Ion Ratio	Lower Upper
97 100	
99 62.9	43.8 81.3
83 85.4	58.6 108.8
85 55.9	37.2 69.2



#46
Tetrachloroethene
Concen: 48.866 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt	Ion:164	Resp:	133440
Ion	Ratio	Lower	Upper
164	100		
129	90.7	65.3	121.3
131	87.4	63.1	117.1
166	126.2	90.8	168.6



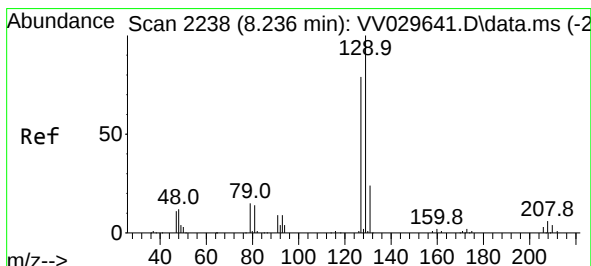
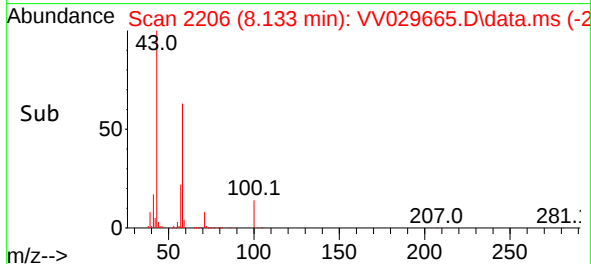
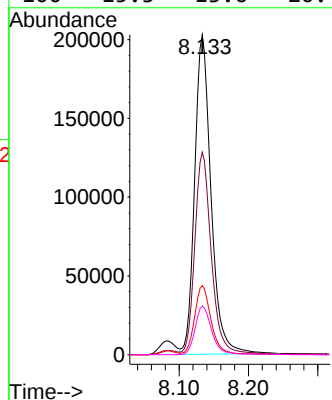
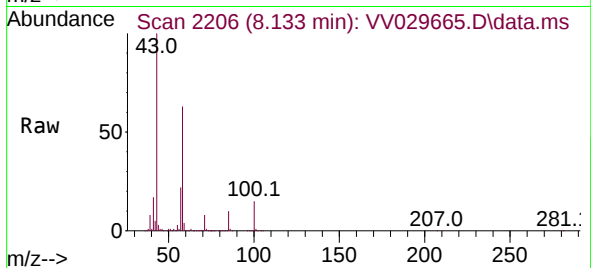


#48
2-Hexanone
Concen: 112.307 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

Tgt Ion: 43 Resp: 334675

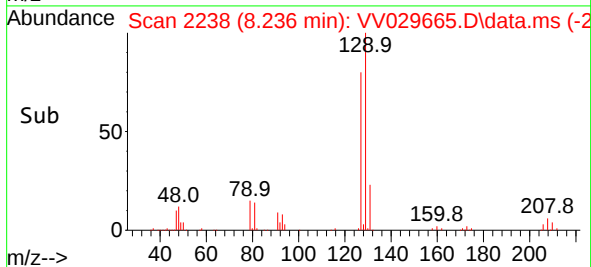
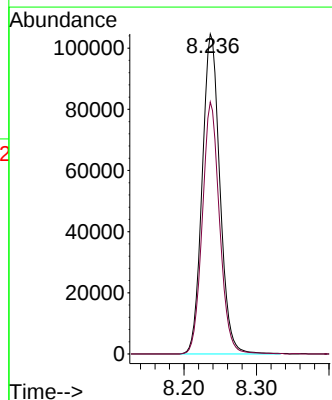
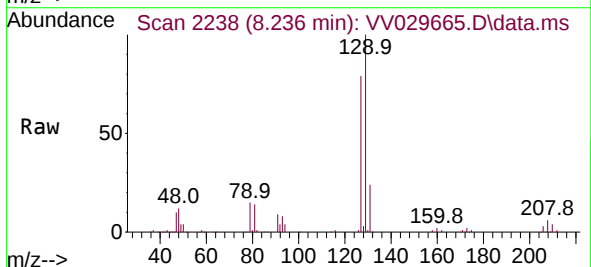
Ion	Ratio	Lower	Upper
43	100		
58	63.1	54.1	81.1
57	20.9	17.4	26.0
100	15.3	13.6	20.4

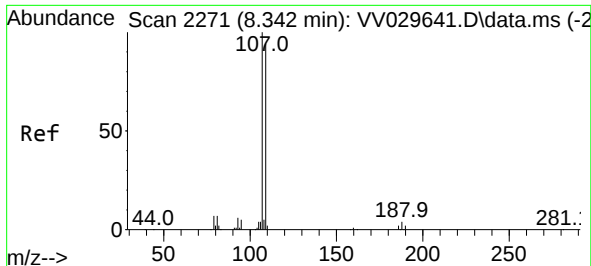


#49
Dibromochloromethane
Concen: 47.528 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 129 Resp: 177348

Ion	Ratio	Lower	Upper
129	100		
127	78.7	55.2	102.4

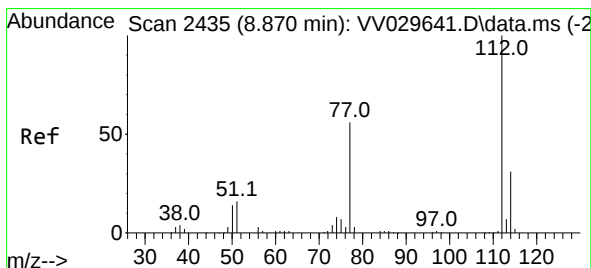
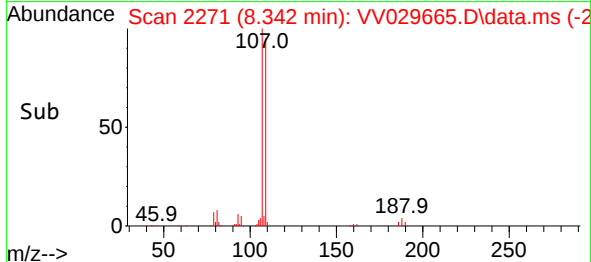
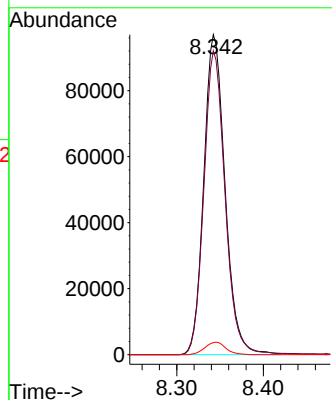
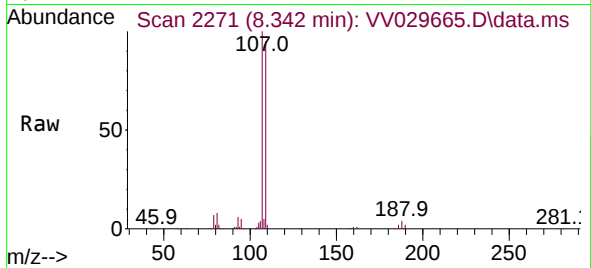




#50
1,2-Dibromoethane
Concen: 47.560 ug/L
RT: 8.342 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

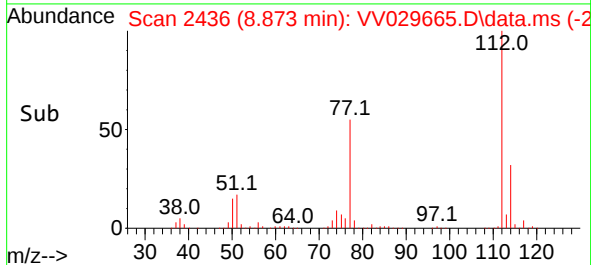
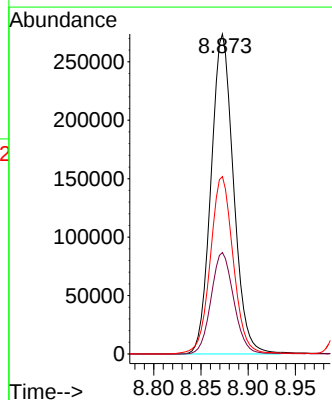
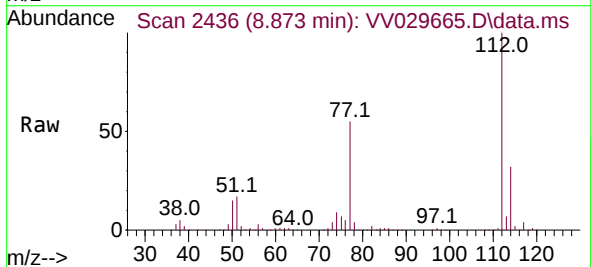
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

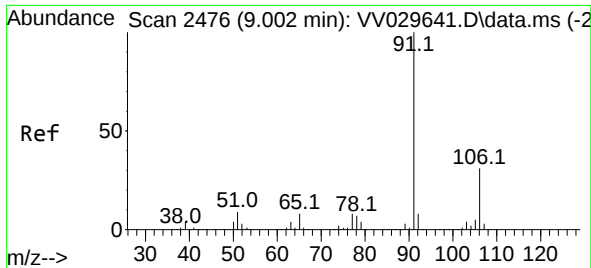
Tgt Ion:107 Resp: 165603
Ion Ratio Lower Upper
107 100
109 94.9 66.0 122.6
188 3.7 3.2 4.8



#51
Chlorobenzene
Concen: 49.056 ug/L
RT: 8.873 min Scan# 2436
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion:112 Resp: 453184
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 55.4 45.0 67.4

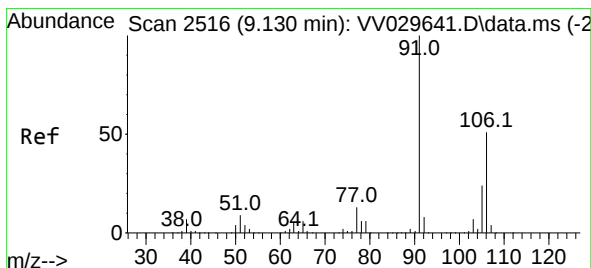
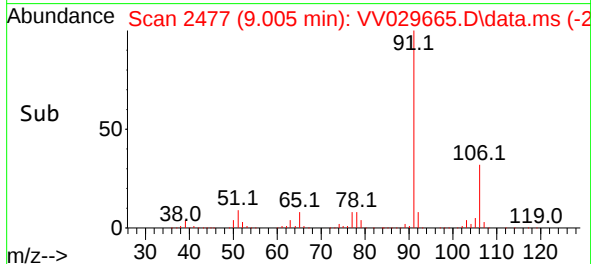
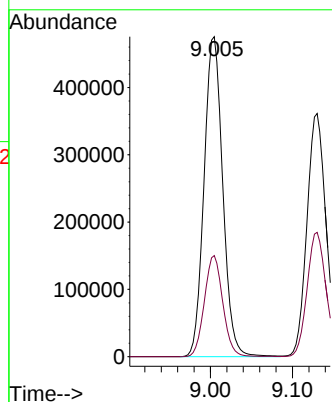
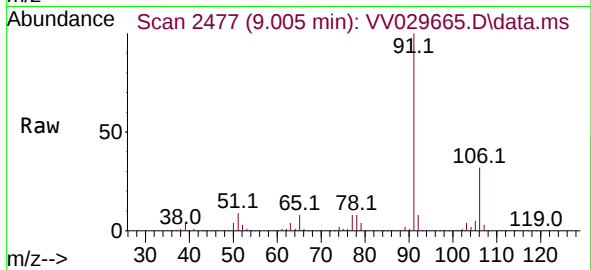




#52
Ethylbenzene
Concen: 49.097 ug/L
RT: 9.005 min Scan# 2476
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

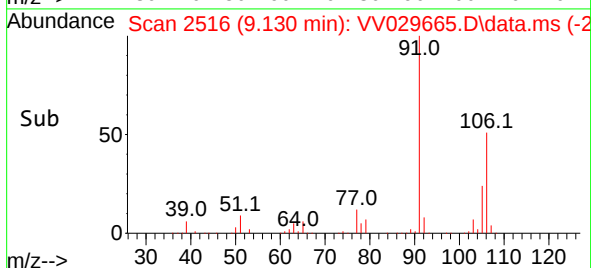
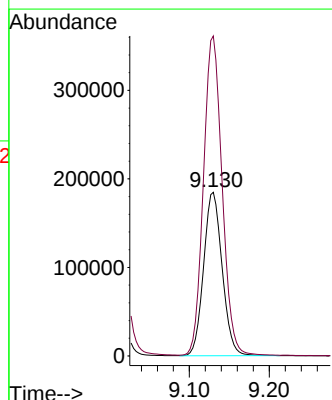
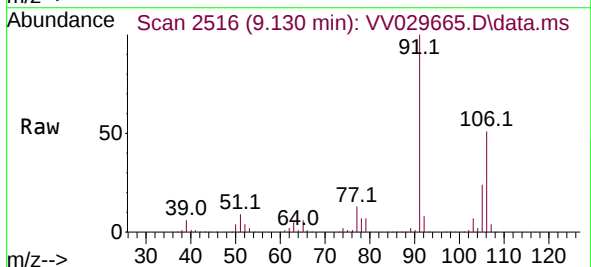
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

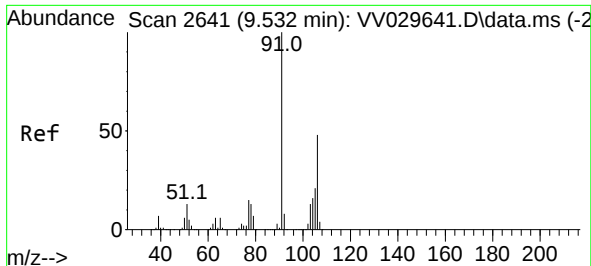
Tgt Ion: 91 Resp: 753056
Ion Ratio Lower Upper
91 100
106 31.6 21.8 40.6



#53
m,p-Xylene
Concen: 49.180 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 106 Resp: 298555
Ion Ratio Lower Upper
106 100
91 195.5 139.5 259.1

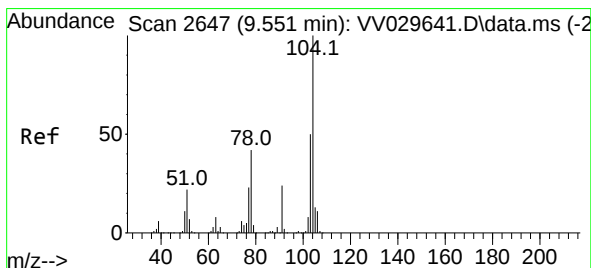
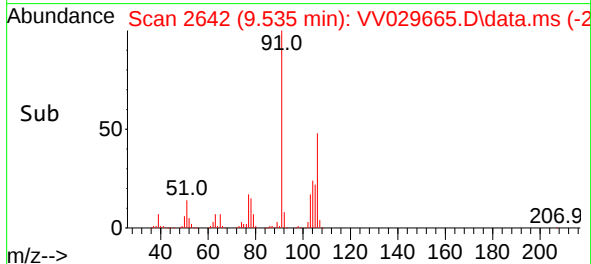
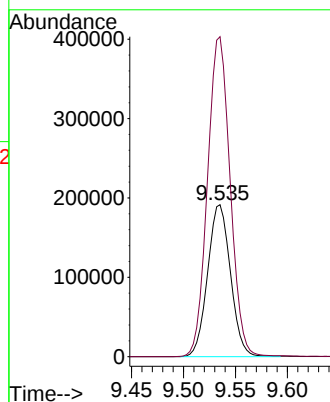
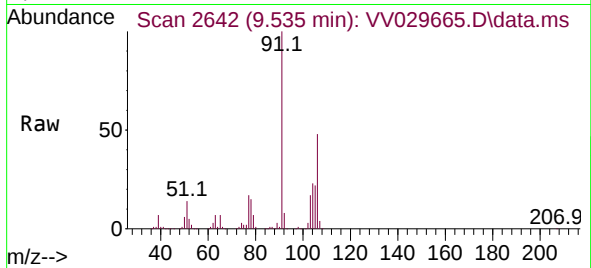




#54
o-Xylene
Concen: 48.779 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

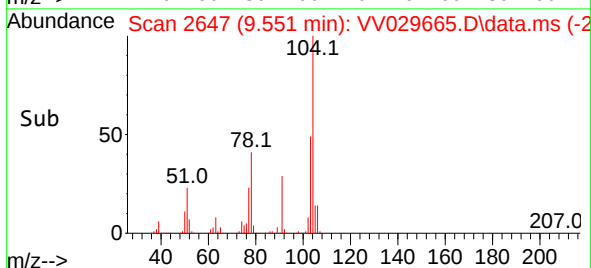
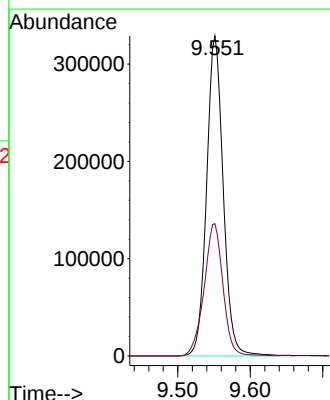
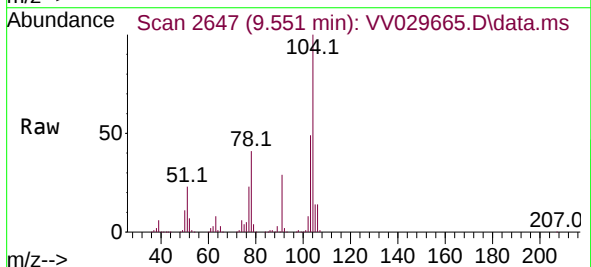
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

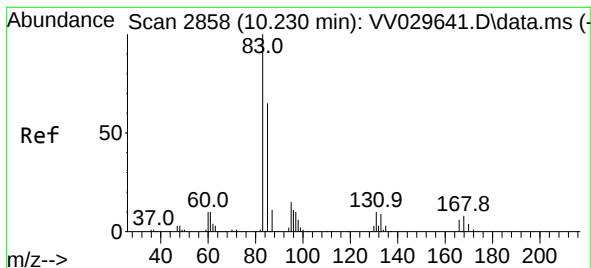
Tgt Ion:106 Resp: 292907
Ion Ratio Lower Upper
106 100
91 210.5 148.0 274.8



#55
Styrene
Concen: 50.167 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion:104 Resp: 523507
Ion Ratio Lower Upper
104 100
78 41.4 29.4 54.6

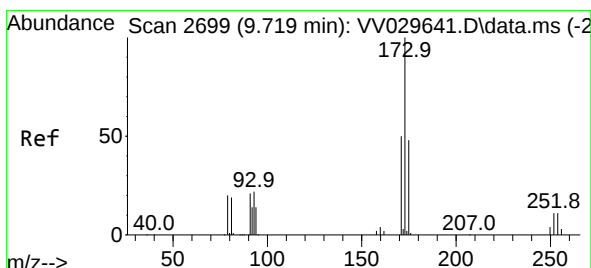
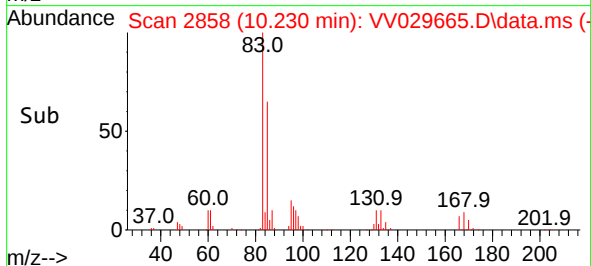
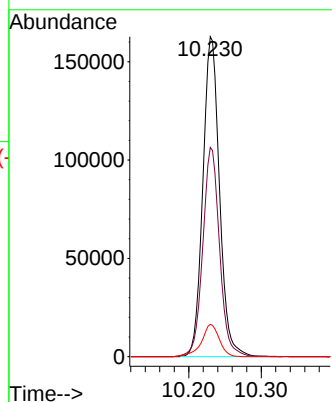
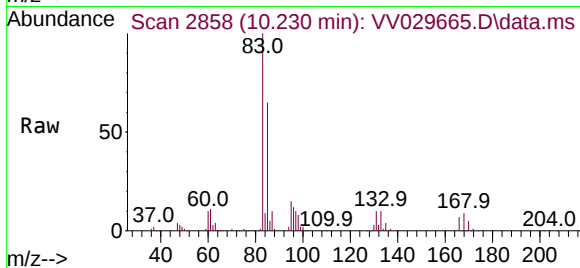




#57
1,1,2-Tetrachloroethane
Concen: 48.067 ug/L
RT: 10.230 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

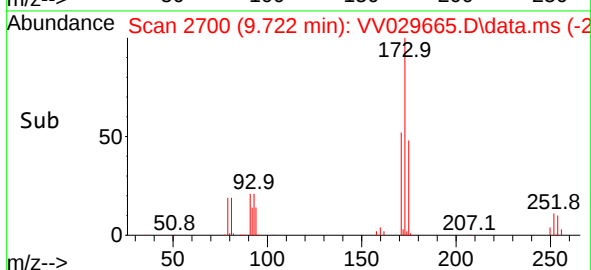
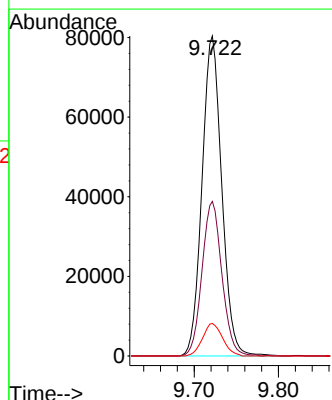
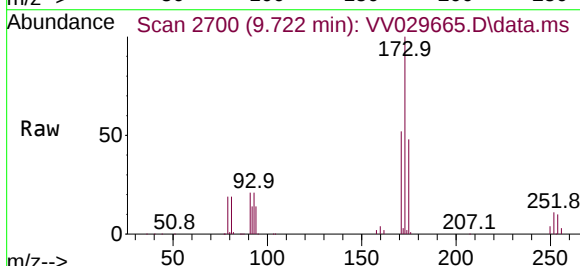
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

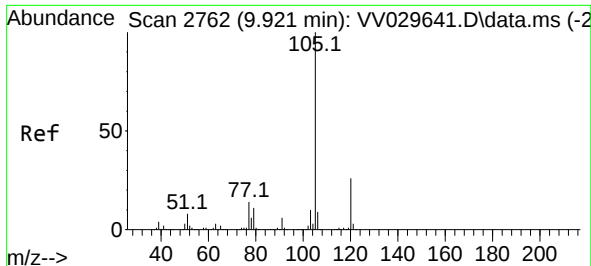
Tgt Ion: 83 Resp: 259868
Ion Ratio Lower Upper
83 100
85 65.4 45.7 84.9
131 10.1 7.9 11.9



#59
Bromoform
Concen: 44.949 ug/L
RT: 9.722 min Scan# 2700
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 173 Resp: 131031
Ion Ratio Lower Upper
173 100
175 48.6 38.4 57.6
254 10.3 7.8 11.8

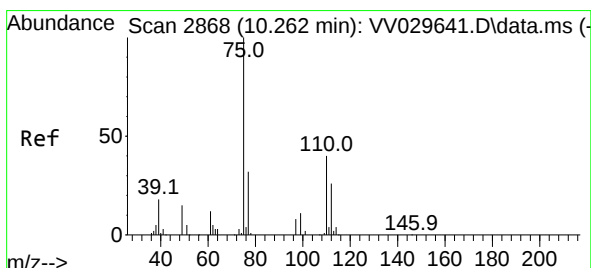
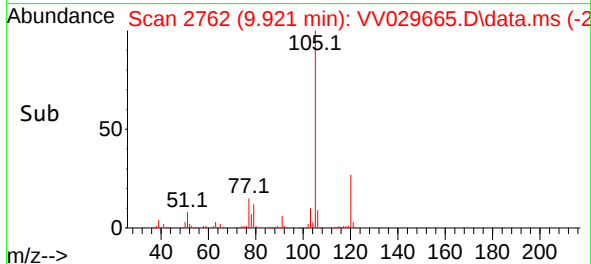
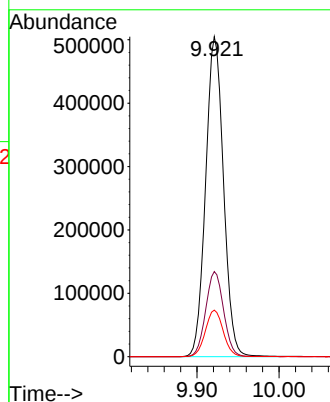
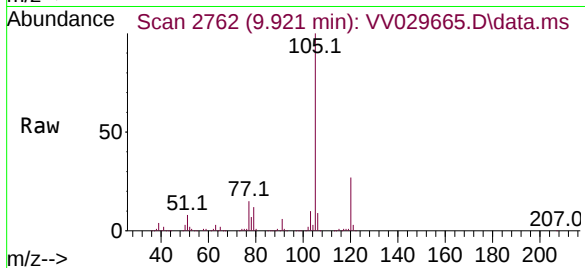




#60
Isopropylbenzene
Concen: 49.369 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

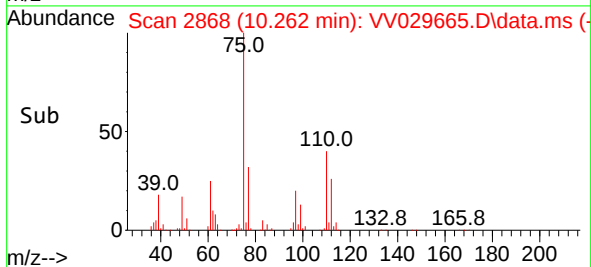
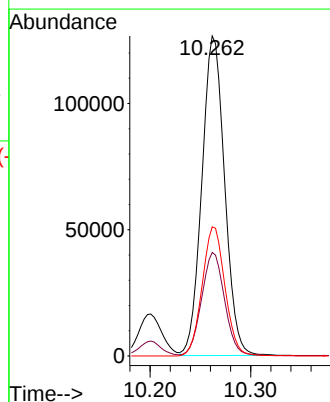
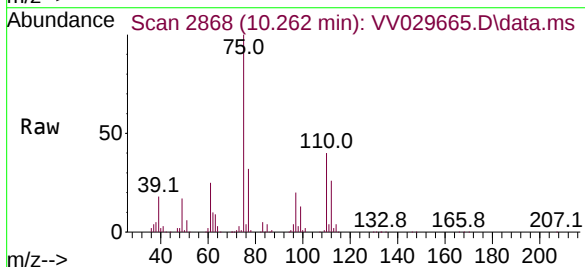
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

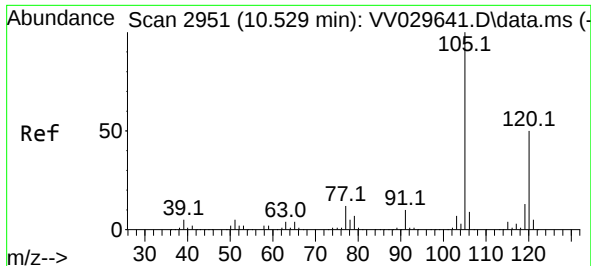
Tgt Ion:105 Resp: 764902
Ion Ratio Lower Upper
105 100
120 26.7 21.1 31.7
77 14.6 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 48.856 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 75 Resp: 199009
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.2
110 40.5 32.7 49.1





#62

1,3,5-Trimethylbenzene

Concen: 46.592 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

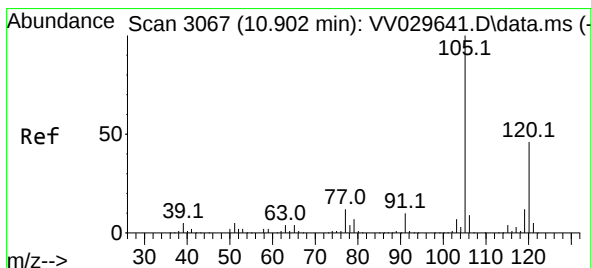
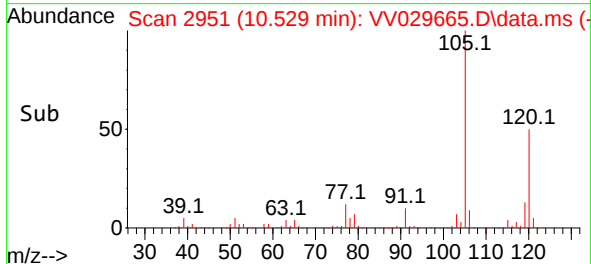
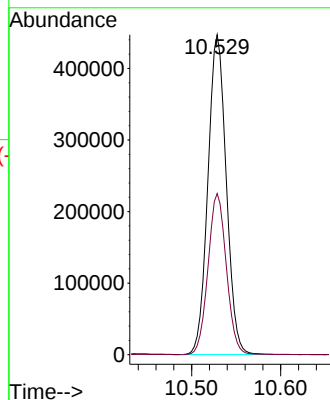
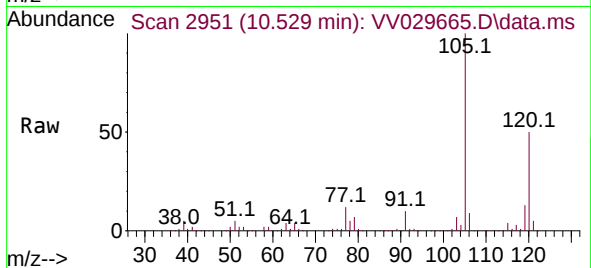
VSTD050387

Tgt Ion:105 Resp: 638262

Ion Ratio Lower Upper

105 100

120 50.4 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 47.218 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.003 min

Lab File: VV029665.D

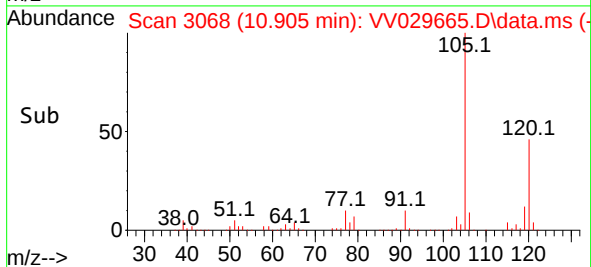
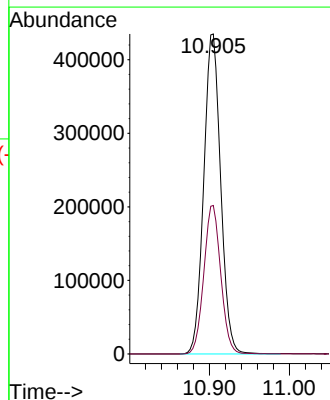
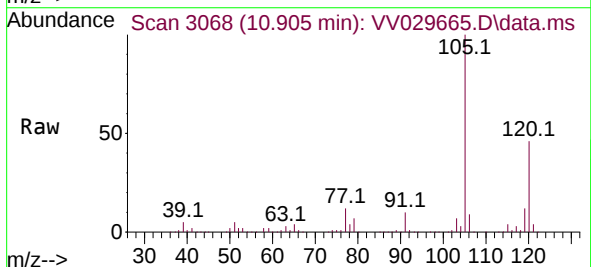
Acq: 13 Dec 2022 20:43

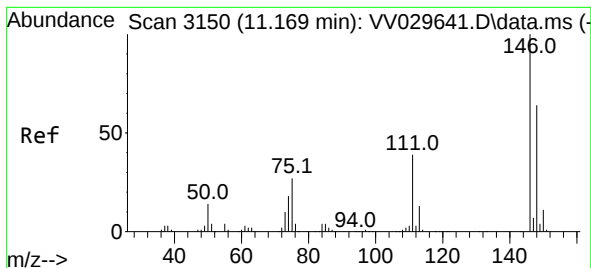
Tgt Ion:105 Resp: 641188

Ion Ratio Lower Upper

105 100

120 46.4 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 47.672 ug/L

RT: 11.168 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD050387

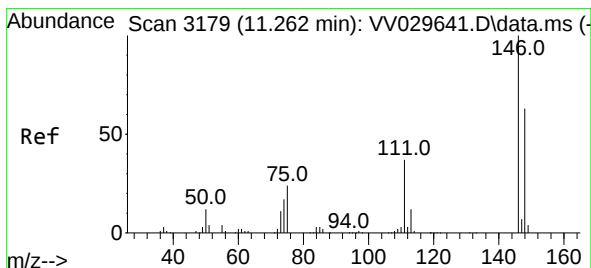
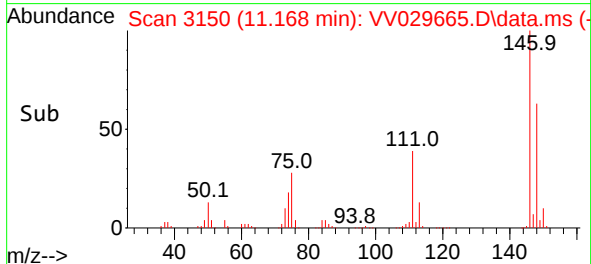
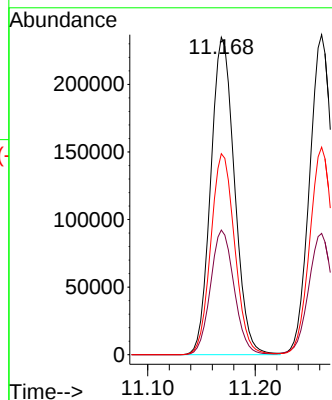
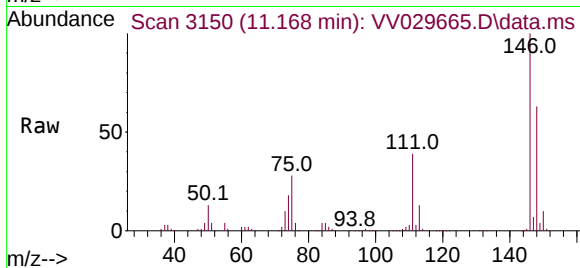
Tgt Ion:146 Resp: 361136

Ion Ratio Lower Upper

146 100

111 39.3 27.4 51.0

148 63.3 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 47.196 ug/L

RT: 11.262 min Scan# 3179

Delta R.T. -0.000 min

Lab File: VV029665.D

Acq: 13 Dec 2022 20:43

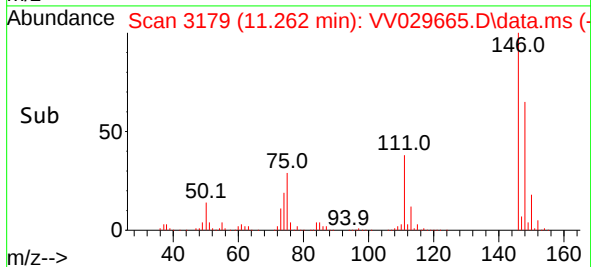
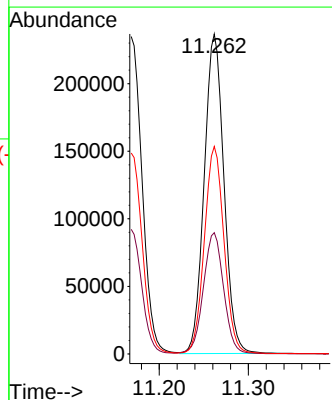
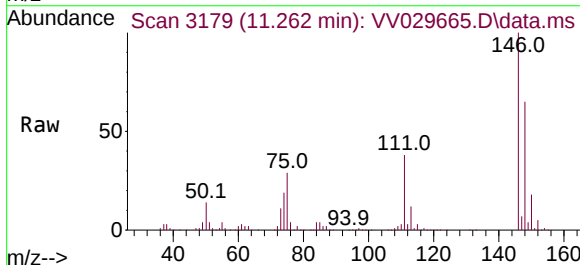
Tgt Ion:146 Resp: 363363

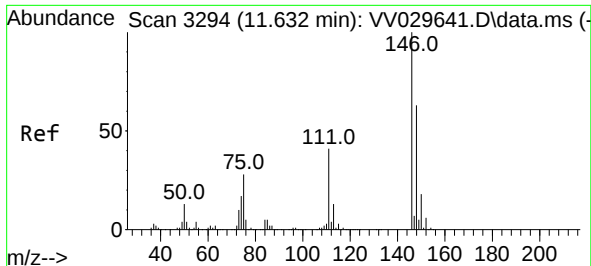
Ion Ratio Lower Upper

146 100

111 37.9 26.2 48.8

148 64.9 44.7 83.1

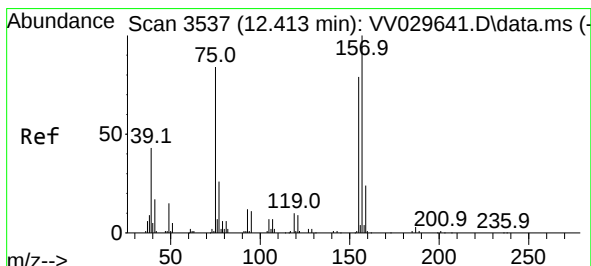
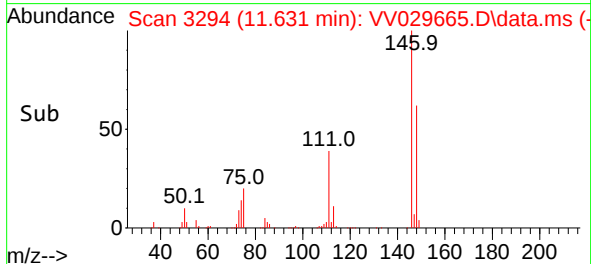
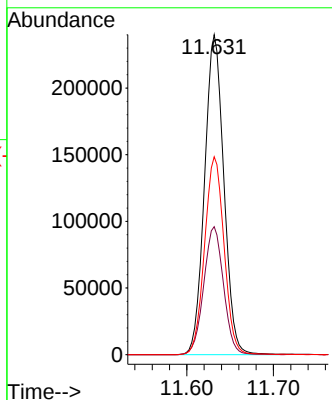
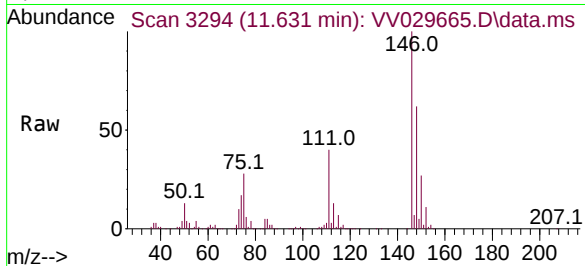




#67
1,2-Dichlorobenzene
Concen: 47.990 ug/L
RT: 11.631 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

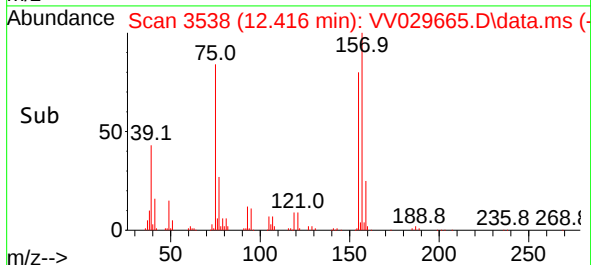
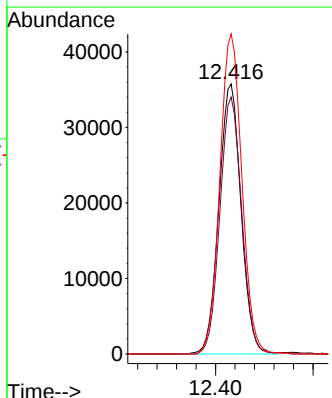
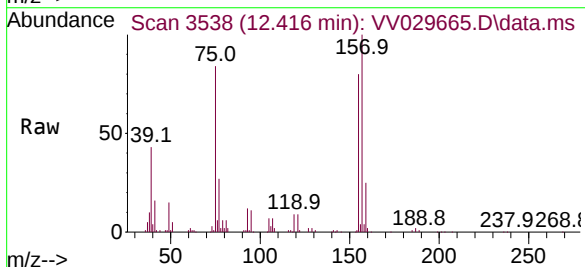
Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

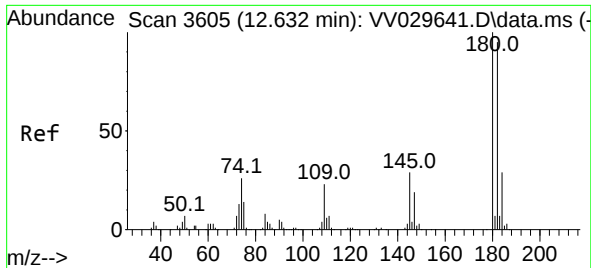
Tgt Ion:146 Resp: 371758
Ion Ratio Lower Upper
146 100
111 40.0 32.0 48.0
148 61.9 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 44.494 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion: 75 Resp: 56330
Ion Ratio Lower Upper
75 100
155 95.1 76.2 114.2
157 118.5 96.0 144.0

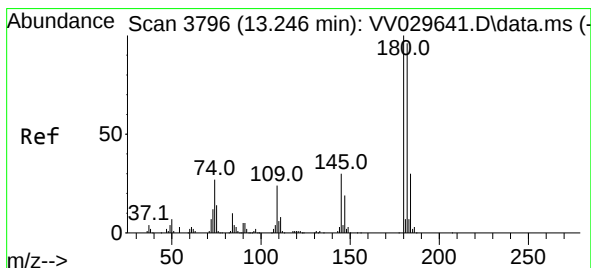
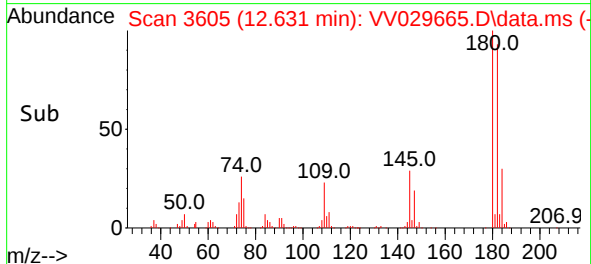
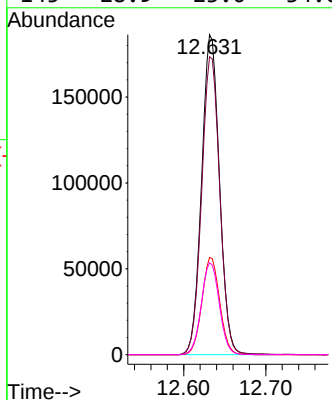
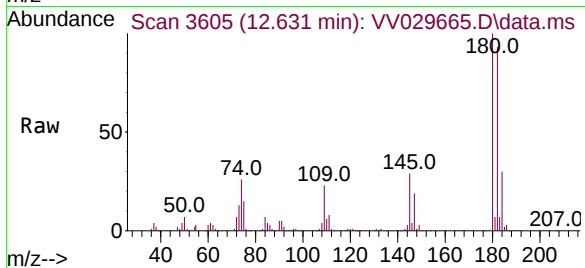




#69
 1,3,5-Trichlorobenzene
 Concen: 46.757 ug/L
 RT: 12.631 min Scan# 3605
 Delta R.T. -0.000 min
 Lab File: VV029665.D
 Acq: 13 Dec 2022 20:43

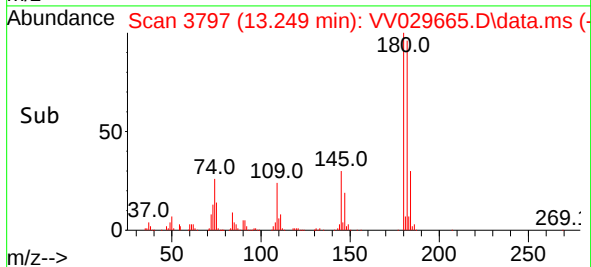
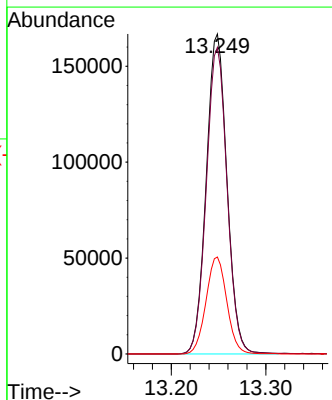
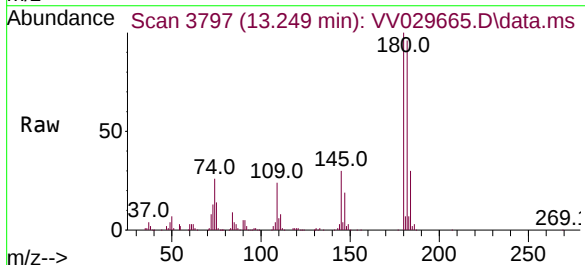
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050387

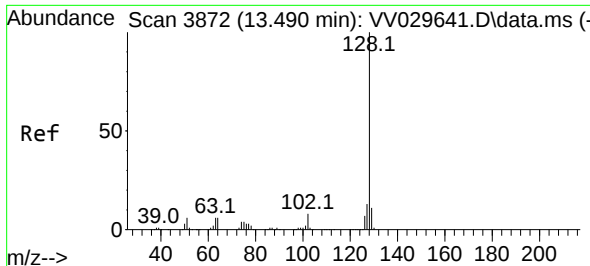
Tgt Ion:180	Resp:	281884
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.5 114.7
184	30.2	24.6 36.8
145	28.9	23.0 34.6



#70
 1,2,4-trichlorobenzene
 Concen: 47.421 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.003 min
 Lab File: VV029665.D
 Acq: 13 Dec 2022 20:43

Tgt Ion:180	Resp:	254218
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.3 114.5
145	30.3	23.7 35.5

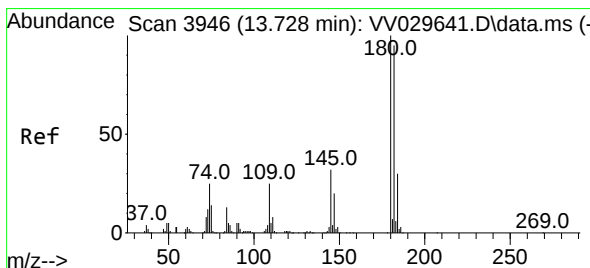
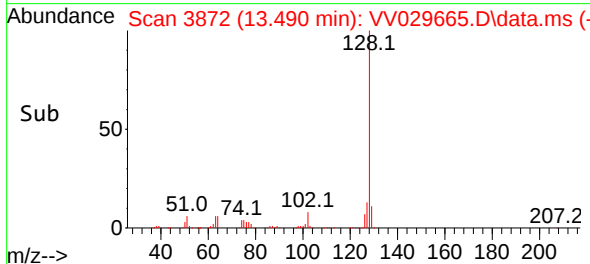
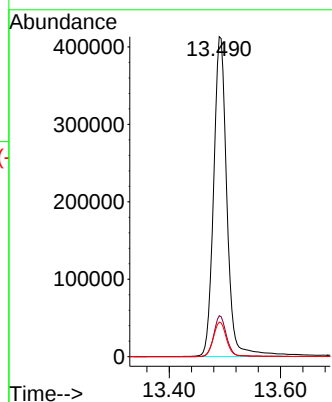
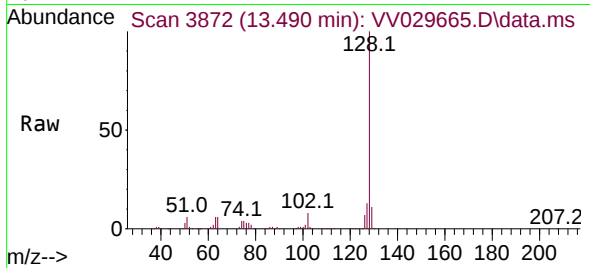




#71
Naphthalene
Concen: 56.131 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. -0.000 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD050387

Tgt Ion:128 Resp: 682562
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.6 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 49.036 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.003 min
Lab File: VV029665.D
Acq: 13 Dec 2022 20:43

Tgt Ion:180 Resp: 257482
Ion Ratio Lower Upper
180 100
182 95.3 76.4 114.6
145 32.0 25.0 37.6

