

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102622\
 Data File : VW028704.D
 Acq On : 26 Oct 2022 19:15
 Operator : SY/MD
 Sample : N5232-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 27 06:26:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 27 05:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	139973	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	137508	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	60090	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	69153	7.104	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	142.000%#
7) Chloroethane-d5	1.565	69	60091	7.300	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	146.000%#
11) 1,1-Dichloroethene-d2	2.105	63	100582	5.342	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.800%
20) 2-Butanone-d5	3.896	46	163837	73.808	ug/L	-0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	147.620%#
24) Chloroform-d	4.343	84	107516	6.360	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.200%#
26) 1,2-Dichloroethane-d4	5.027	65	58407	6.810	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	136.200%#
32) Benzene-d6	5.047	84	217319	5.910	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.200%
36) 1,2-Dichloropropane-d6	6.066	67	75350	6.473	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	129.400%
41) Toluene-d8	7.314	98	176320	6.145	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.800%
43) trans-1,3-Dichloroprop...	7.622	79	11784	3.258	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.200%
46) 2-Hexanone-d5	8.088	63	109373	64.968	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.940%
56) 1,1,2,2-Tetrachloroeth...	10.211	84	50634	6.559	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	131.200%#
66) 1,2-Dichlorobenzene-d4	11.616	152	57010	6.878	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	137.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.131	85	523	0.089	ug/L	95
3) Chloromethane	1.237	50	1559	0.141	ug/L	99
5) Vinyl chloride	1.307	62	737	0.067	ug/L #	1
6) Bromomethane	1.523	94	497	0.095	ug/L	100
8) Chloroethane	1.584	64	9956	1.337	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-...	2.098	101	811	0.094	ug/L #	25
12) 1,1-Dichloroethene	2.095	96	1002	0.130	ug/L #	1
14) Carbon disulfide	2.291	76	6754	0.380	ug/L	100
15) Methyl Acetate	2.436	43	1177	0.294	ug/L #	67
16) Methylene chloride	2.503	84	2400	0.226	ug/L	81
17) Methyl tert-butyl Ether	2.770	73	5248	0.260	ug/L #	1
18) trans-1,2-Dichloroethene	2.764	96	722	0.093	ug/L	82
19) 1,1-Dichloroethane	3.192	63	1033	0.055	ug/L #	85
30) Cyclohexane	4.674	56	8265	0.482	ug/L	99
33) Benzene	5.098	78	85099	2.071	ug/L	100
35) Methylcyclohexane	6.124	83	3990	0.284	ug/L #	81
51) Chlorobenzene	8.876	112	4713674	192.103	ug/L	96
52) Ethylbenzene	9.014	91	1717	0.040	ug/L	97
53) m,p-Xylene	9.146	106	1113	0.071	ug/L	96

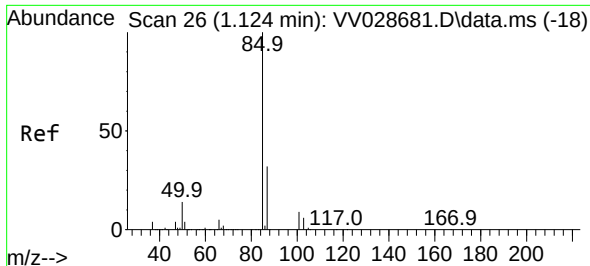
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102622\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.545	106	4453	0.283	ug/L	99
60) Isopropylbenzene	9.924	105	170844	4.518	ug/L #	84
61) 1,2,3-Trichloropropane	11.265	75	22830	4.425	ug/L #	47
62) 1,3,5-Trimethylbenzene	10.731	105	22139	2.007	ug/L #	74
63) 1,2,4-Trimethylbenzene	11.082	105	7236	0.237	ug/L #	63
64) 1,3-Dichlorobenzene	11.182	146	5466	0.336	ug/L	95
65) 1,4-Dichlorobenzene	11.265	146	38022	2.340	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	15732	1.056	ug/L	98
71) Naphthalene	13.503	128	1196	0.074	ug/L #	82

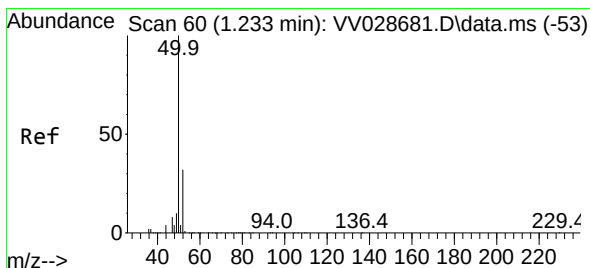
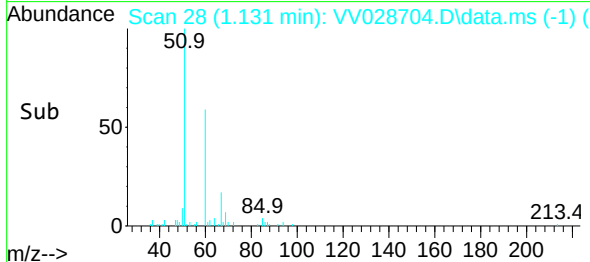
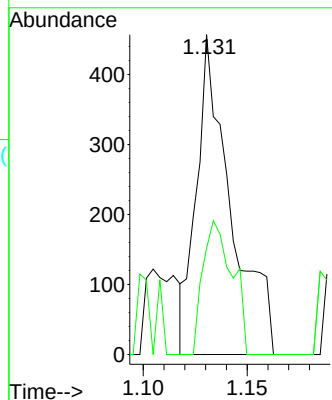
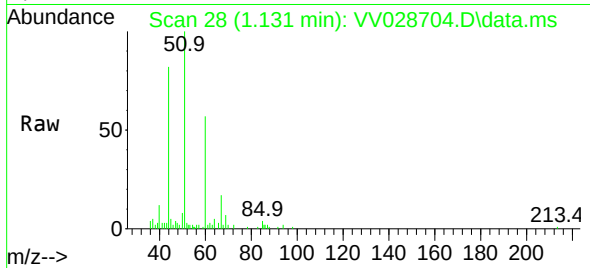
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.089 ug/L
 RT: 1.131 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV028704.D
 Acq: 26 Oct 2022 19:15

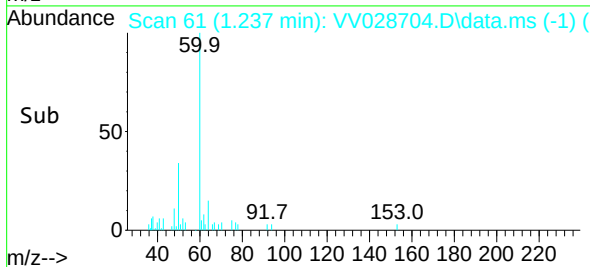
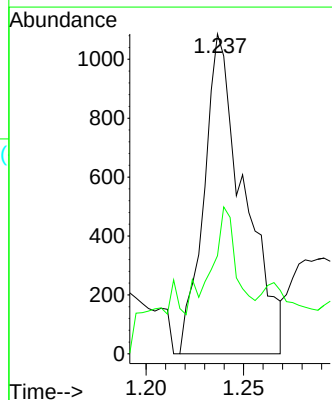
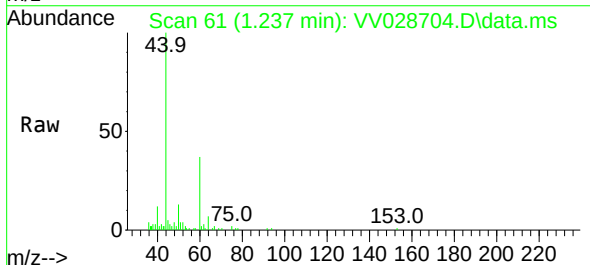
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 ClientSampleId :

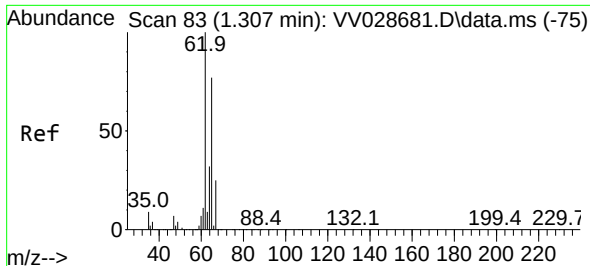
Tgt Ion: 85 Resp: 523
 Ion Ratio Lower Upper
 85 100
 87 35.9 26.6 40.0



#3
 Chloromethane
 Concen: 0.141 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VV028704.D
 Acq: 26 Oct 2022 19:15

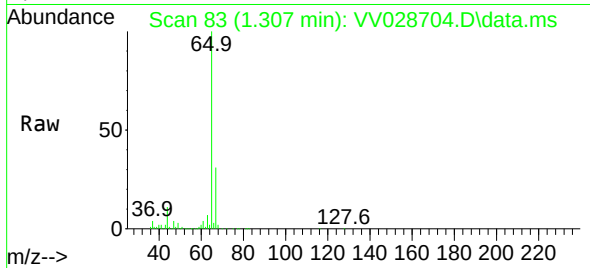
Tgt Ion: 50 Resp: 1559
 Ion Ratio Lower Upper
 50 100
 52 30.7 21.8 40.6



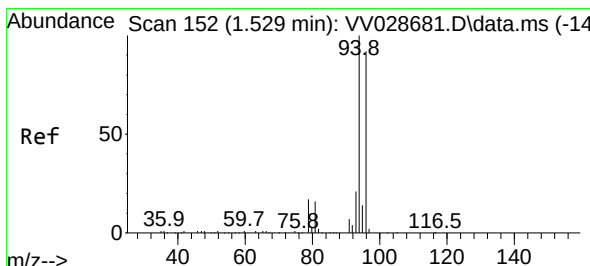
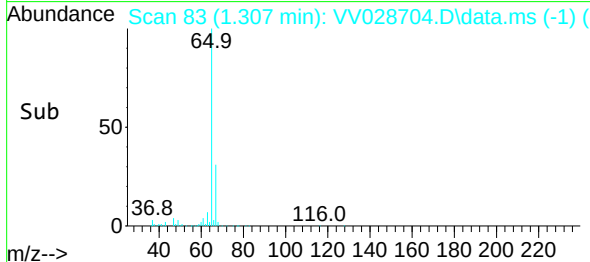
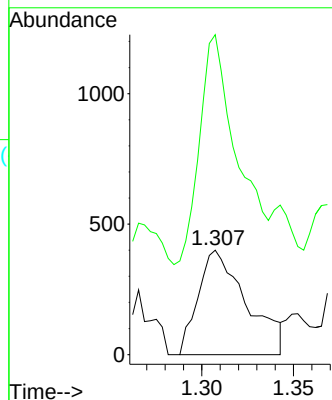


#5
 Vinyl chloride
 Concen: 0.067 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV028704.D
 Acq: 26 Oct 2022 19:15

Instrument :
 MSVOA_V
 ClientSampleId :

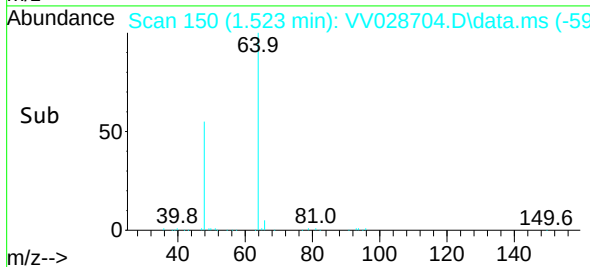
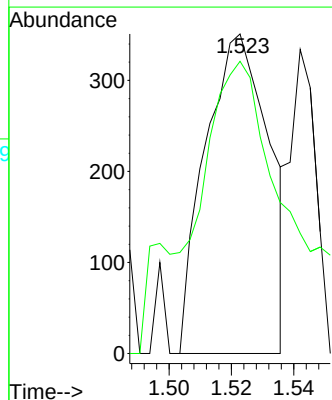
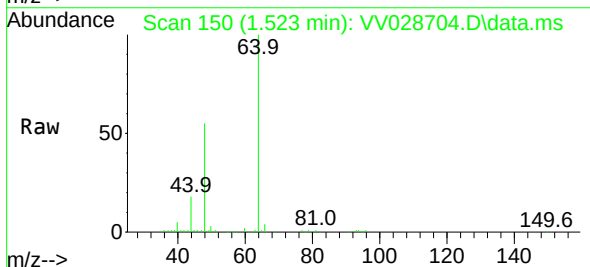


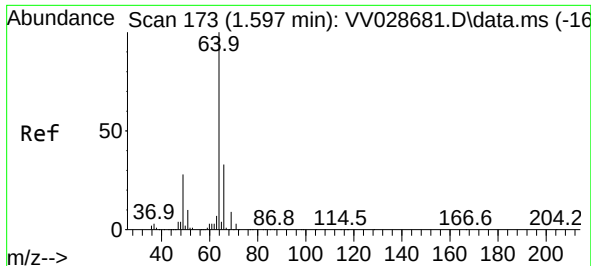
Tgt Ion: 62 Resp: 737
 Ion Ratio Lower Upper
 62 100
 64 306.5 22.0 41.0#



#6
 Bromomethane
 Concen: 0.095 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.006 min
 Lab File: VV028704.D
 Acq: 26 Oct 2022 19:15

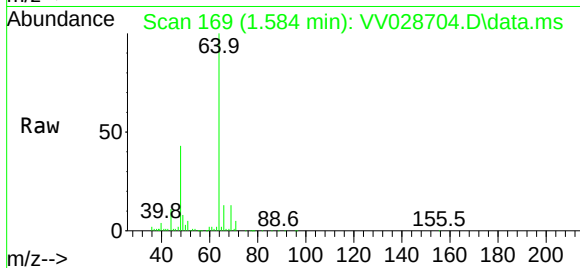
Tgt Ion: 94 Resp: 497
 Ion Ratio Lower Upper
 94 100
 96 91.5 64.3 119.3



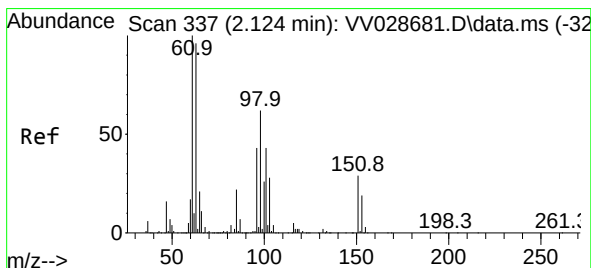
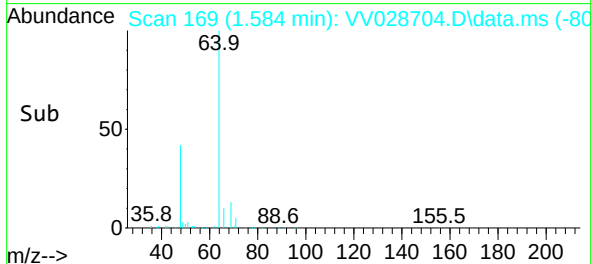
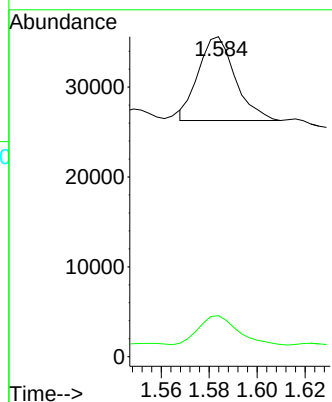


#8
Chloroethane
Concen: 1.337 ug/L
RT: 1.584 min Scan# 1
Delta R.T. -0.013 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Instrument :
MSVOA_V
ClientSampleId :

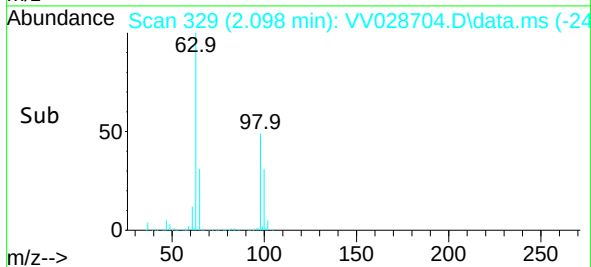
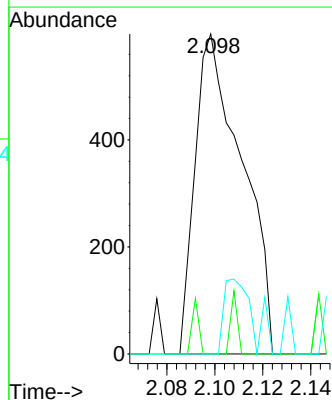
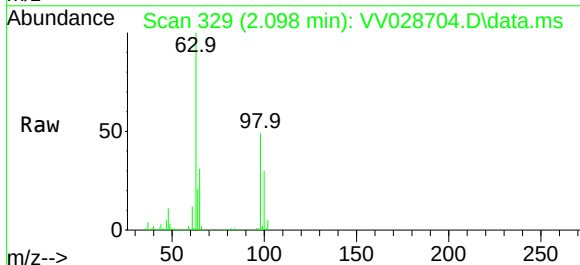


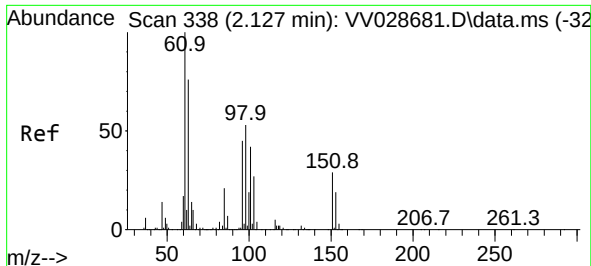
Tgt Ion: 64 Resp: 9956
Ion Ratio Lower Upper
64 100
66 12.8 23.9 44.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.094 ug/L
RT: 2.098 min Scan# 329
Delta R.T. -0.026 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Tgt Ion: 101 Resp: 811
Ion Ratio Lower Upper
101 100
85 2.5 37.0 55.6#
151 0.0 50.2 75.2#





#12

1,1-Dichloroethene

Concen: 0.130 ug/L

RT: 2.095 min Scan# 31

Delta R.T. -0.032 min

Lab File: VV028704.D

Acq: 26 Oct 2022 19:15

Instrument :

MSVOA_V

ClientSampleId :

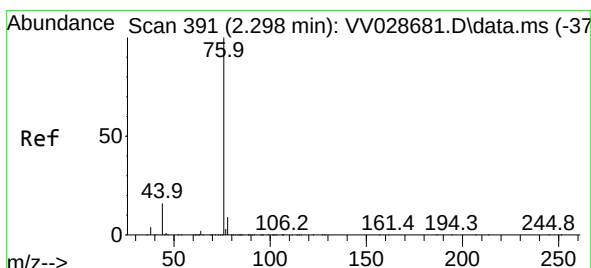
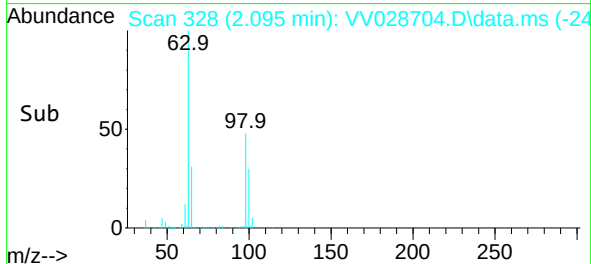
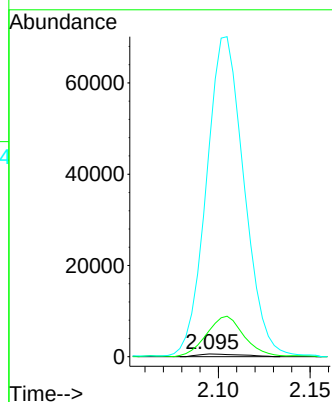
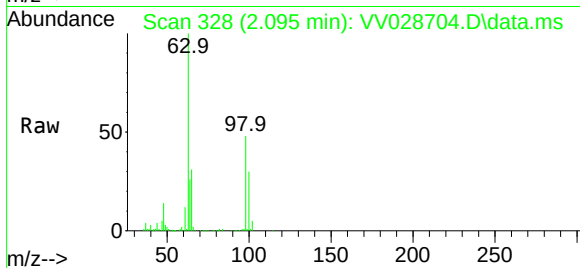
Tgt Ion: 96 Resp: 1002

Ion Ratio Lower Upper

96 100

61 982.5 148.1 275.1#

63 7888.2 133.3 247.7#



#14

Carbon disulfide

Concen: 0.380 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.006 min

Lab File: VV028704.D

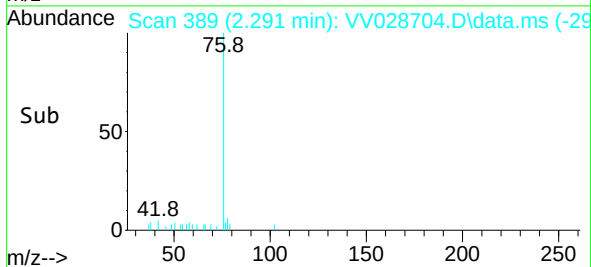
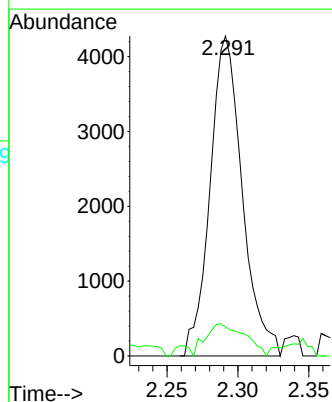
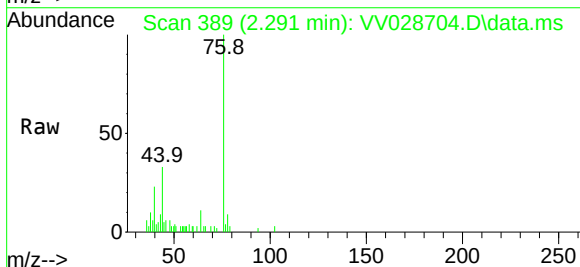
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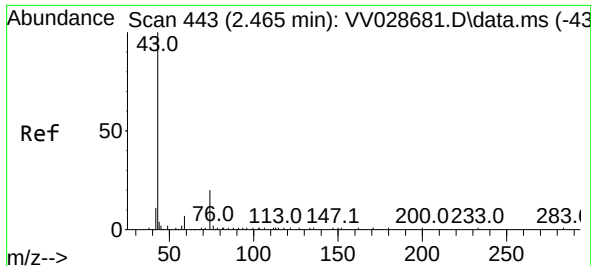
Tgt Ion: 76 Resp: 6754

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

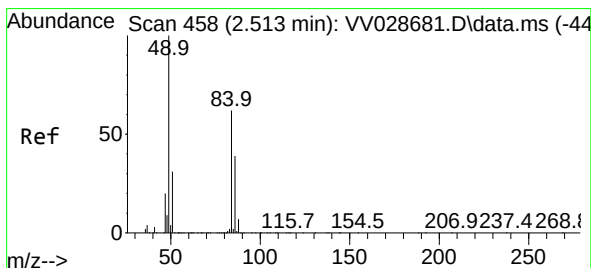
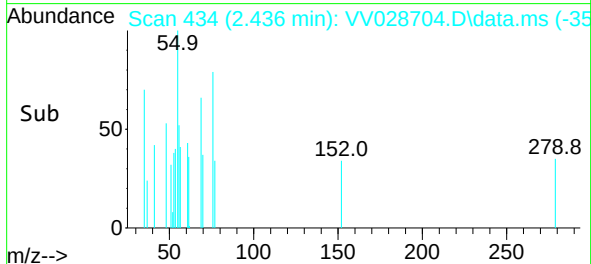
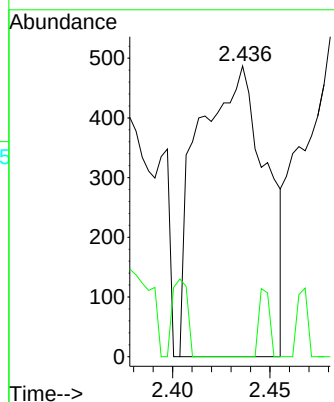
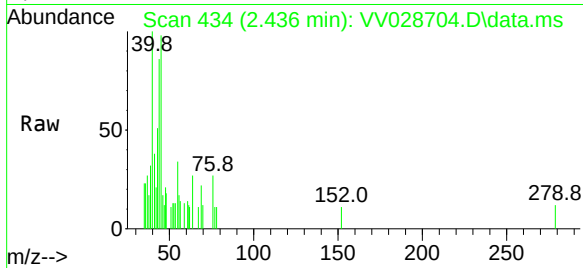




#15
Methyl Acetate
Concen: 0.294 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.029 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

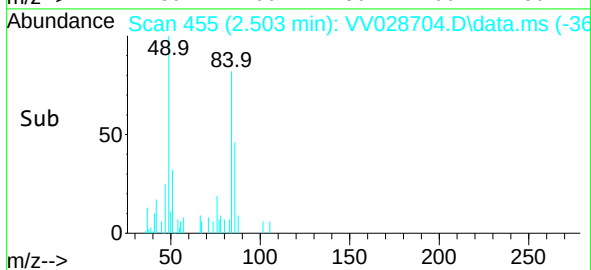
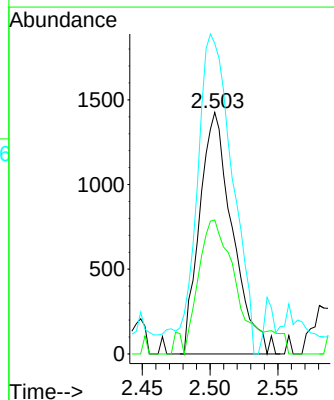
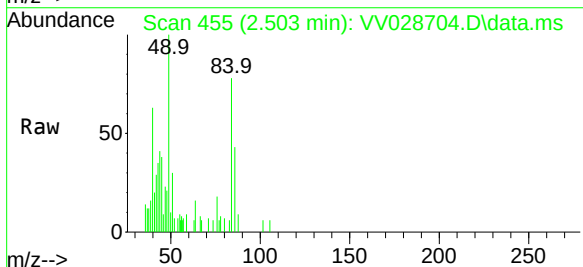
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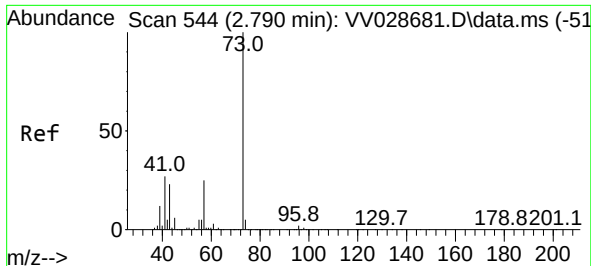
Tgt Ion: 43 Resp: 1177
Ion Ratio Lower Upper
43 100
74 3.7 14.9 22.3#



#16
Methylene chloride
Concen: 0.226 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.010 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Tgt Ion: 84 Resp: 2400
Ion Ratio Lower Upper
84 100
86 55.5 44.4 82.4
49 128.5 110.8 205.8





#17

Methyl tert-butyl Ether

Concen: 0.260 ug/L

RT: 2.770 min Scan# 51

Delta R.T. -0.019 min

Lab File: VV028704.D

Acq: 26 Oct 2022 19:15

Instrument :

MSVOA_V

ClientSampleId :

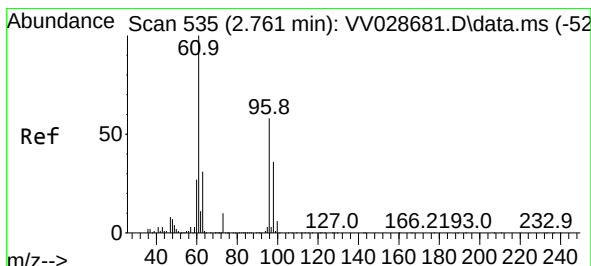
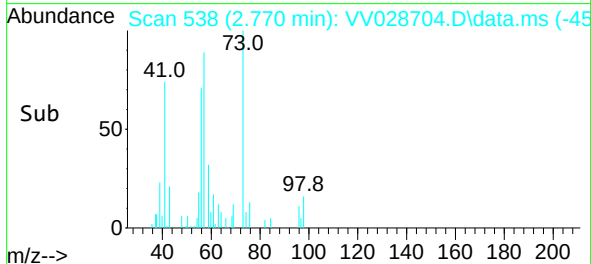
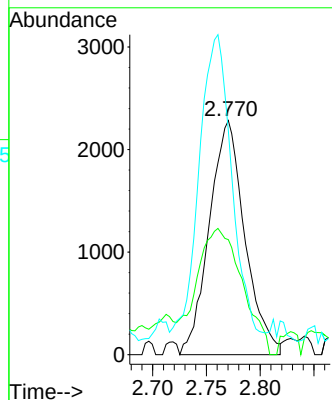
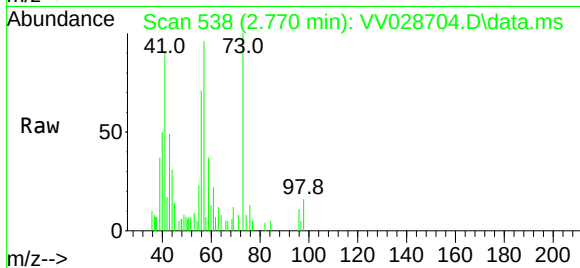
Tgt Ion: 73 Resp: 5248

Ion Ratio Lower Upper

73 100

43 70.0 18.0 27.0#

57 124.1 20.0 30.0#



#18

trans-1,2-Dichloroethene

Concen: 0.093 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.003 min

Lab File: VV028704.D

Acq: 26 Oct 2022 19:15

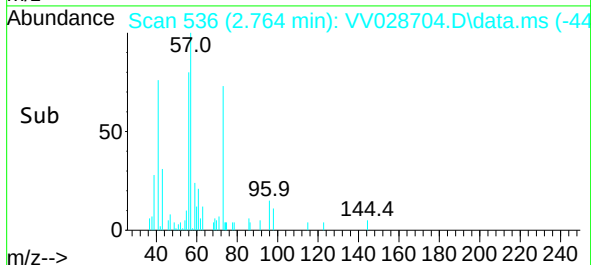
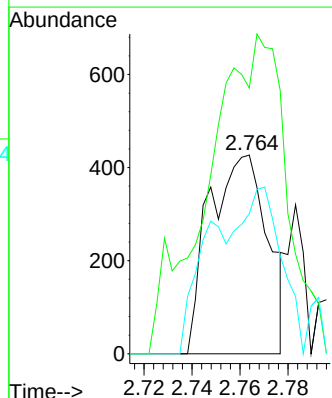
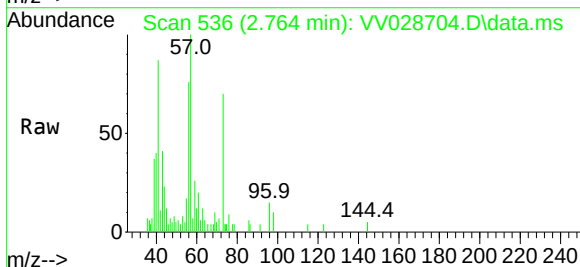
Tgt Ion: 96 Resp: 722

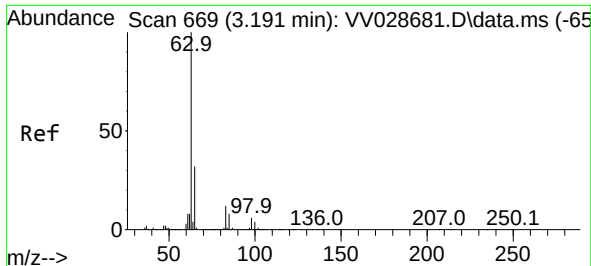
Ion Ratio Lower Upper

96 100

61 133.7 114.3 212.3

98 70.5 45.0 83.6





#19

1,1-Dichloroethane

Concen: 0.055 ug/L

RT: 3.192 min Scan# 6

Delta R.T. 0.000 min

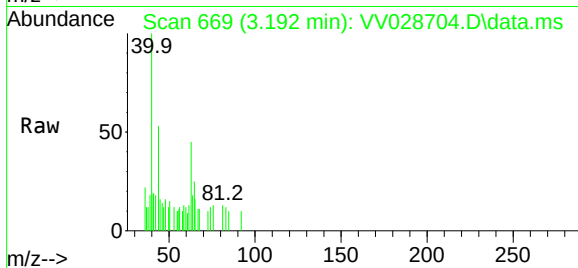
Lab File: VV028704.D

Acq: 26 Oct 2022 19:15

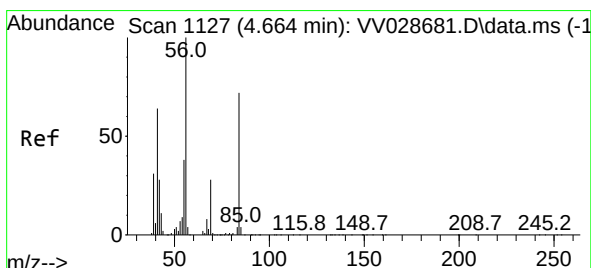
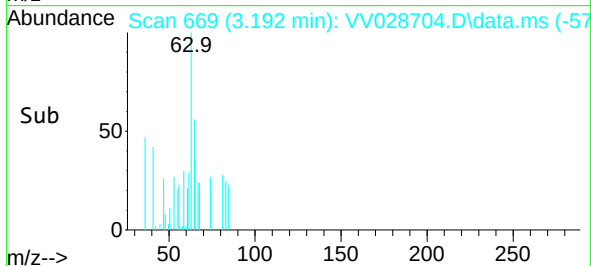
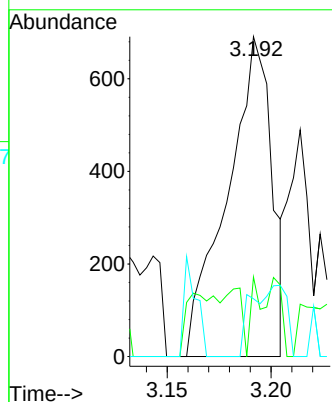
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	63	Resp:	1033
Ion	Ratio	Lower	Upper
63	100		
65	24.9	23.1	42.9
83	18.1	7.9	14.7#



#30

Cyclohexane

Concen: 0.482 ug/L

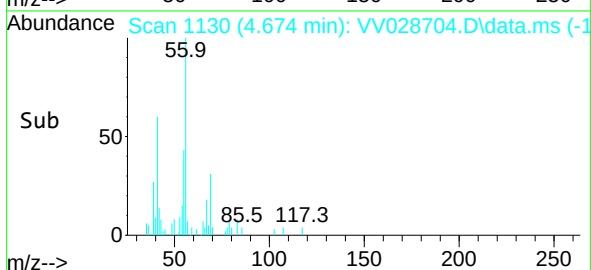
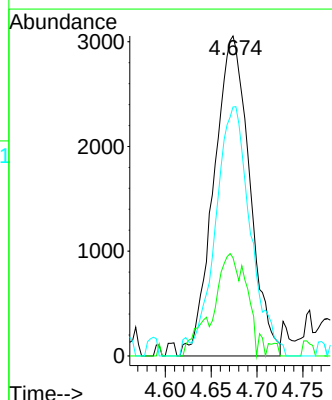
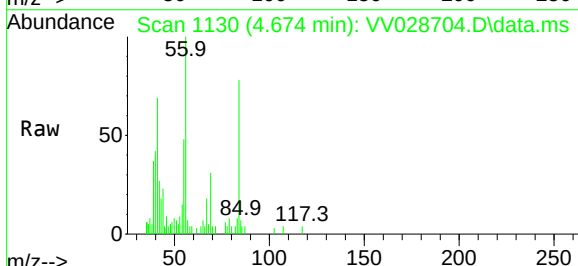
RT: 4.674 min Scan# 1130

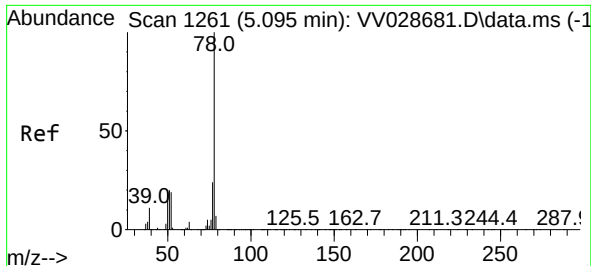
Delta R.T. 0.010 min

Lab File: VV028704.D

Acq: 26 Oct 2022 19:15

Tgt Ion:	56	Resp:	8265
Ion	Ratio	Lower	Upper
56	100		
69	25.7	22.6	34.0
84	75.5	60.4	90.6

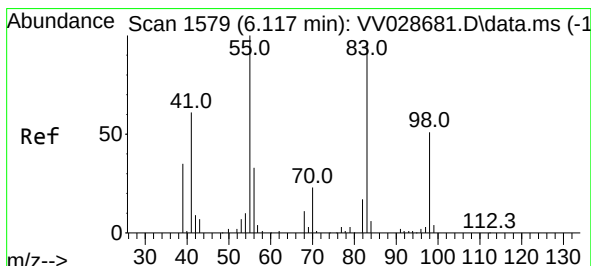
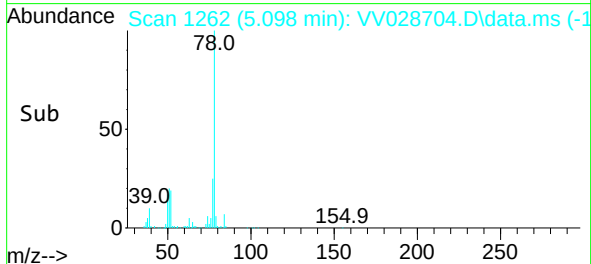
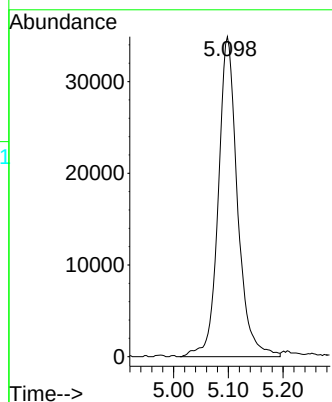
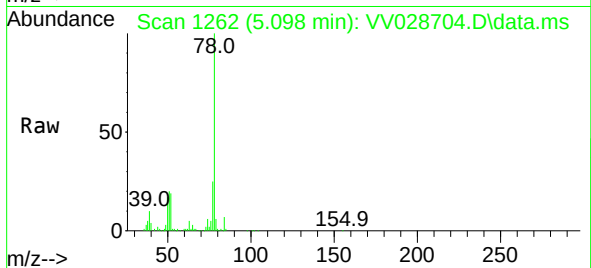




#33
Benzene
Concen: 2.071 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

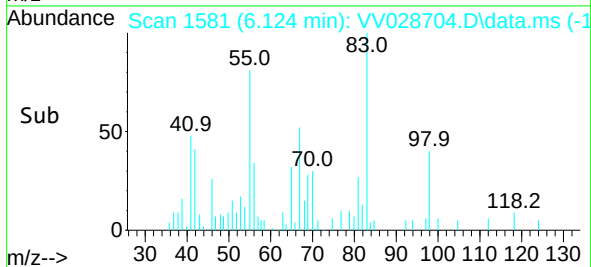
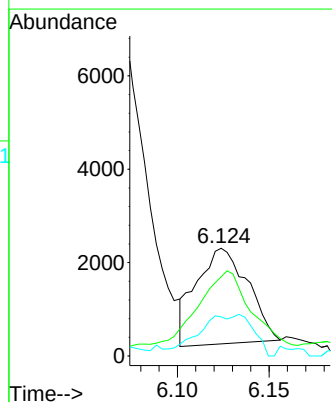
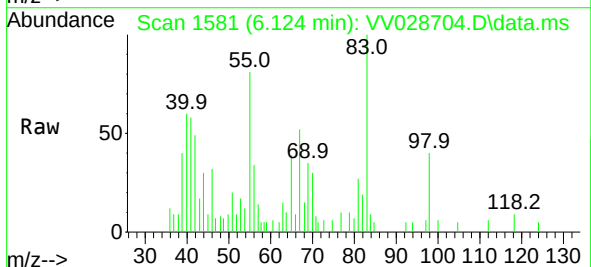
Instrument :
MSVOA_V
ClientSampleId :

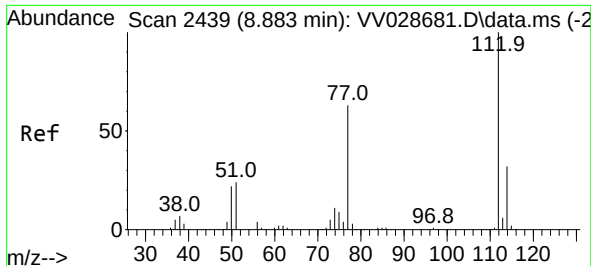
Tgt Ion: 78 Resp: 85099



#35
Methylcyclohexane
Concen: 0.284 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. 0.006 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

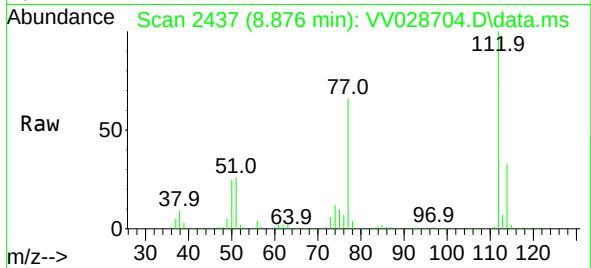
Tgt Ion: 83 Resp: 3990
Ion Ratio Lower Upper
83 100
55 96.0 70.0 105.0
98 18.9 35.6 53.4#



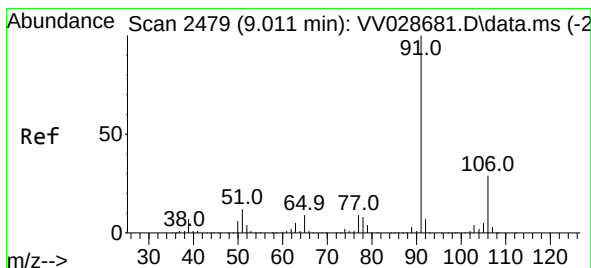
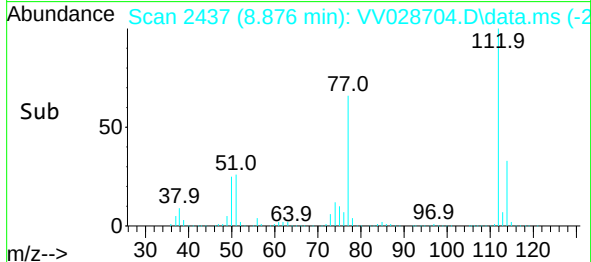
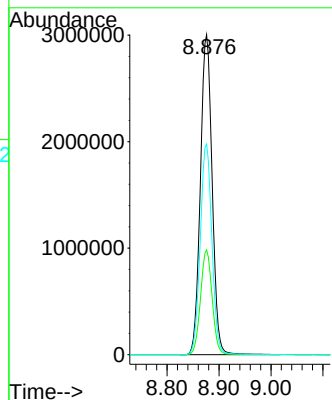


#51
Chlorobenzene
Concen: 192.103 ug/L
RT: 8.876 min Scan# 2439
Delta R.T. -0.006 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Instrument :
MSVOA_V
ClientSampleId :

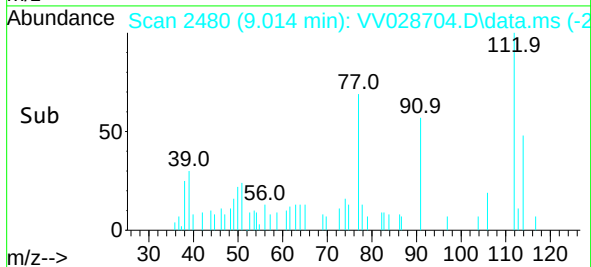
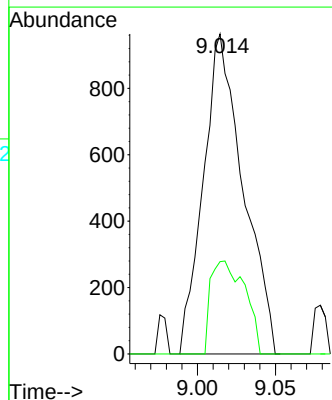
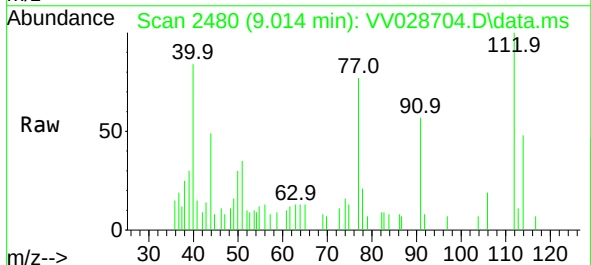


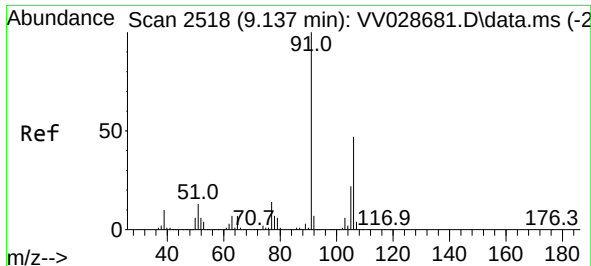
Tgt Ion:112 Resp: 4713674
Ion Ratio Lower Upper
112 100
114 32.7 22.0 41.0
77 65.8 50.0 75.0



#52
Ethylbenzene
Concen: 0.040 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Tgt Ion: 91 Resp: 1717
Ion Ratio Lower Upper
91 100
106 28.8 21.3 39.6

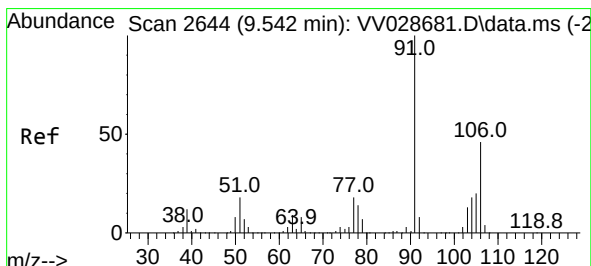
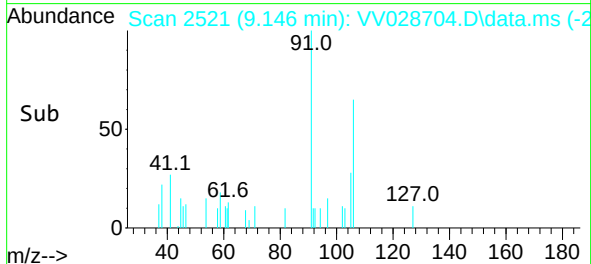
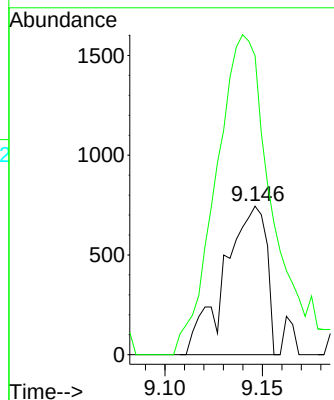
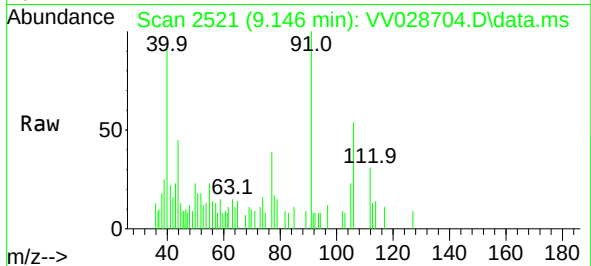




#53
m,p-Xylene
Concen: 0.071 ug/L
RT: 9.146 min Scan# 2113
Delta R.T. 0.010 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

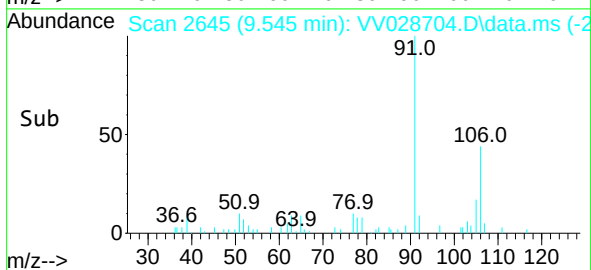
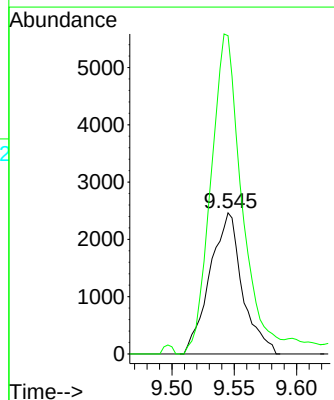
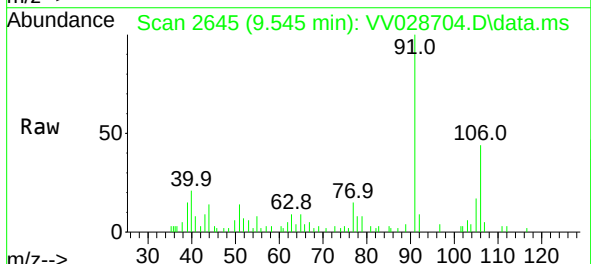
Instrument :
MSVOA_V
ClientSampleId :

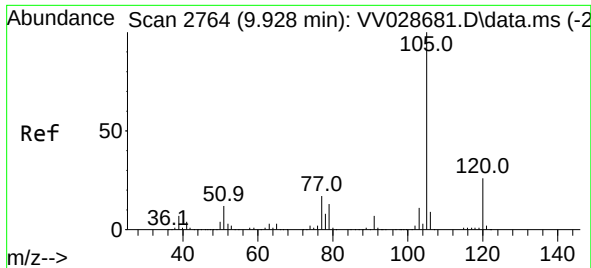
Tgt Ion:106 Resp: 1113
Ion Ratio Lower Upper
106 100
91 201.3 145.5 270.1



#54
o-Xylene
Concen: 0.283 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Tgt Ion:106 Resp: 4453
Ion Ratio Lower Upper
106 100
91 225.6 159.0 295.4

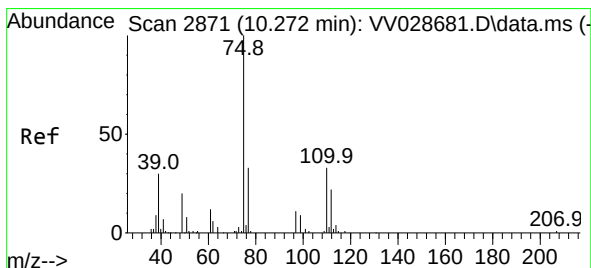
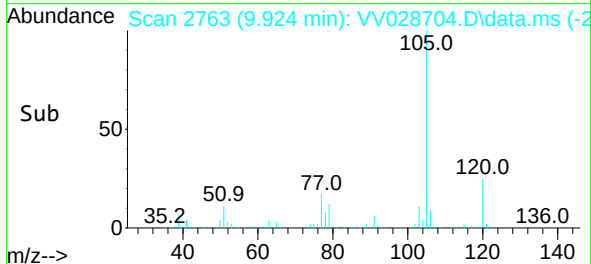
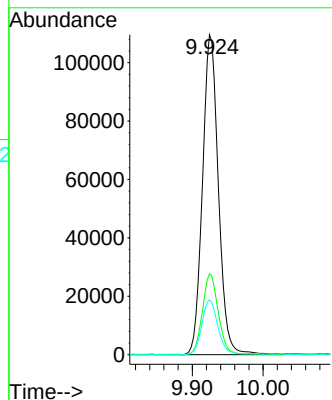
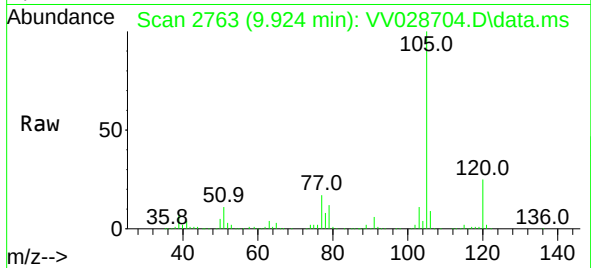




#60
Isopropylbenzene
Concen: 4.518 ug/L
RT: 9.924 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

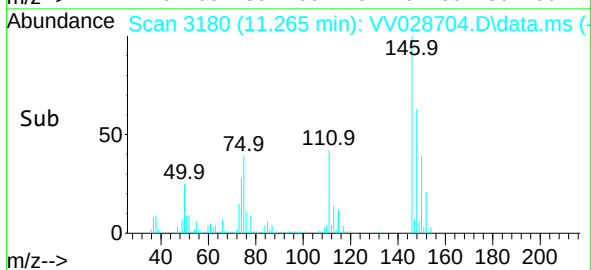
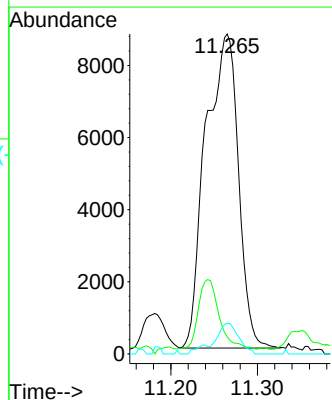
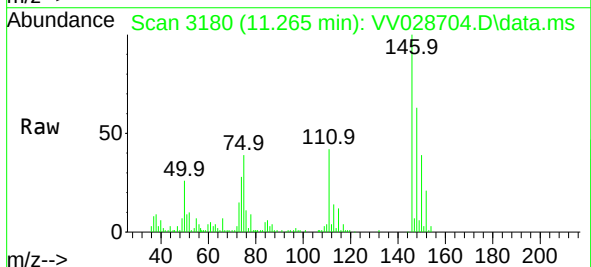
Instrument :
MSVOA_V
ClientSampleId :

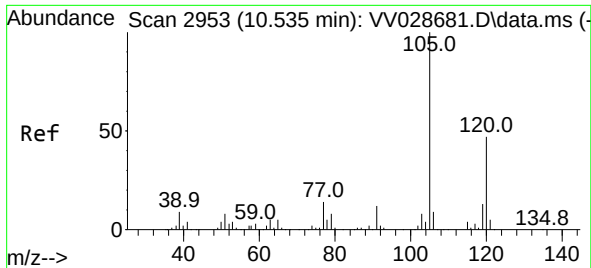
Tgt Ion:105 Resp: 170844
Ion Ratio Lower Upper
105 100
120 25.2 20.1 30.1
77 0.0 13.4 20.0#



#61
1,2,3-Trichloropropane
Concen: 4.425 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.994 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Tgt Ion: 75 Resp: 22830
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
110 6.3 27.9 41.9#

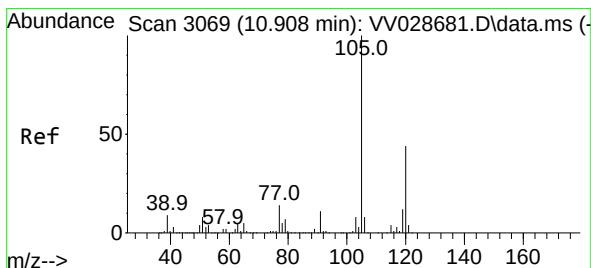
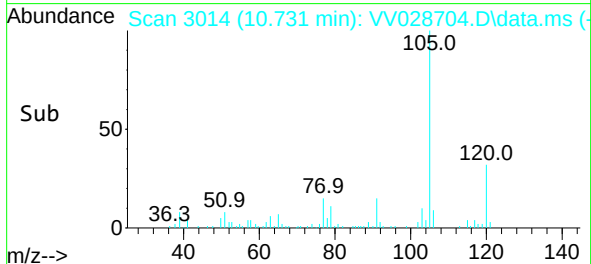
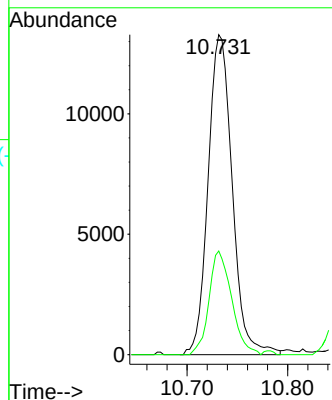
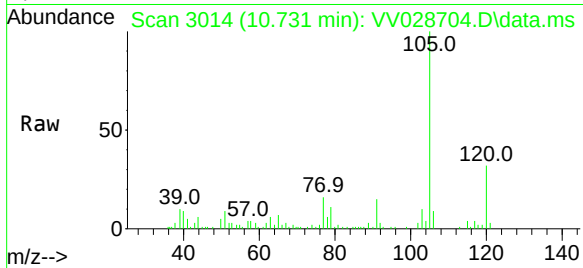




#62
1,3,5-Trimethylbenzene
Concen: 2.007 ug/L
RT: 10.731 min Scan# 3014
Delta R.T. 0.196 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

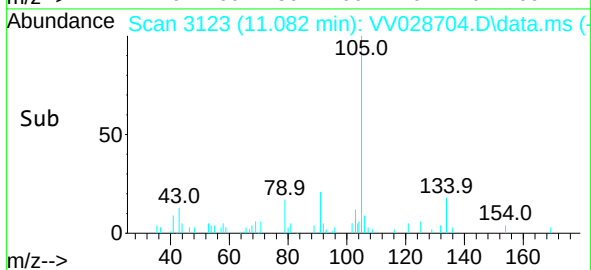
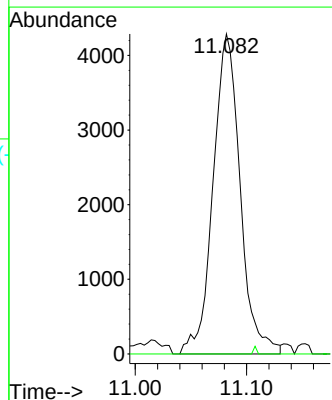
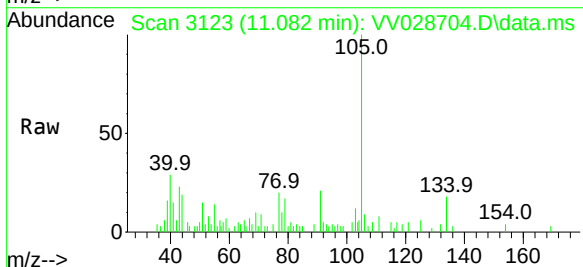
Instrument :
MSVOA_V
ClientSampleId :

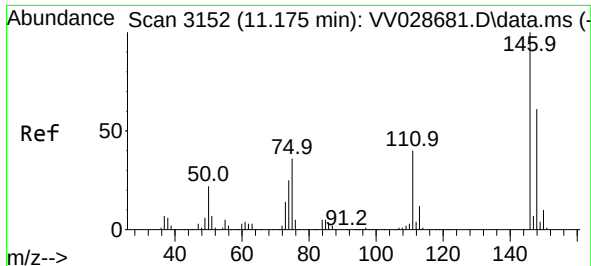
Tgt Ion:105 Resp: 22139
Ion Ratio Lower Upper
105 100
120 30.4 38.3 57.5#



#63
1,2,4-Trimethylbenzene
Concen: 0.237 ug/L
RT: 11.082 min Scan# 3123
Delta R.T. 0.174 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

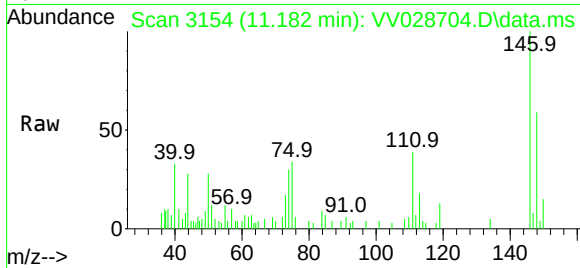
Tgt Ion:105 Resp: 7236
Ion Ratio Lower Upper
105 100
120 69.5 36.2 54.2#



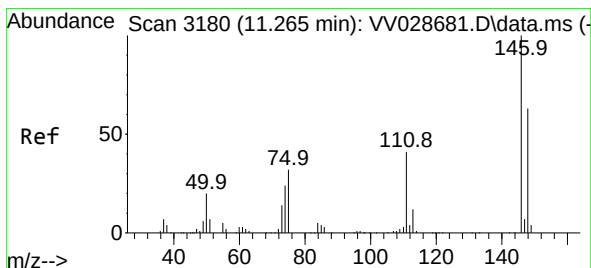
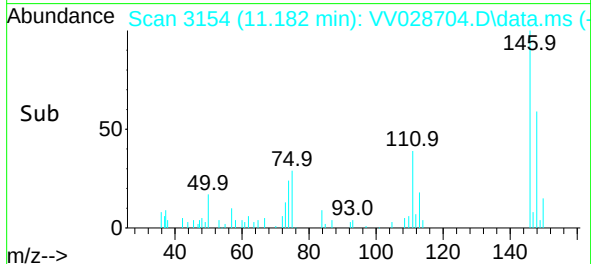
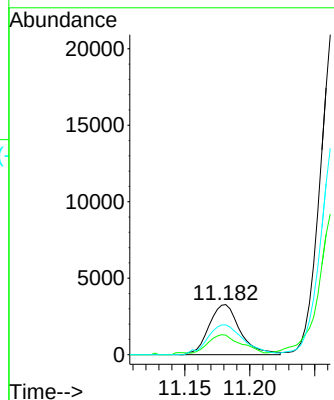


#64
1,3-Dichlorobenzene
Concen: 0.336 ug/L
RT: 11.182 min Scan# 3154
Delta R.T. 0.006 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Instrument :
MSVOA_V
ClientSampleId :

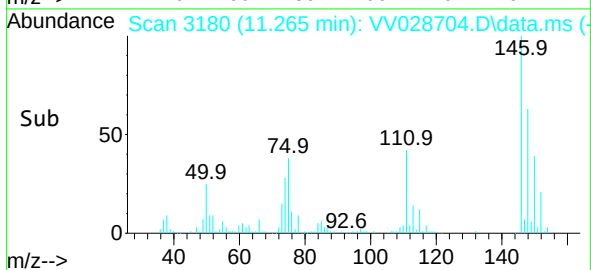
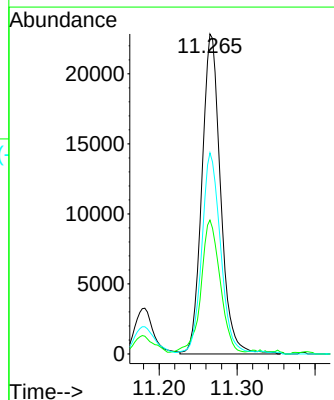
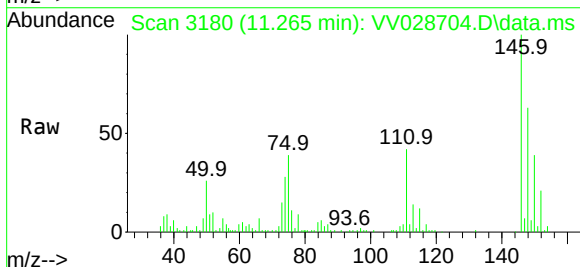


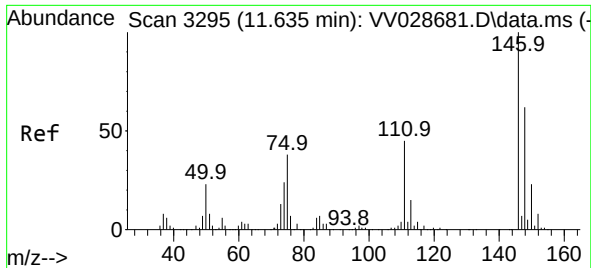
Tgt Ion:146 Resp: 5466
Ion Ratio Lower Upper
146 100
111 38.9 29.0 53.9
148 59.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 2.340 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. 0.000 min
Lab File: VV028704.D
Acq: 26 Oct 2022 19:15

Tgt Ion:146 Resp: 38022
Ion Ratio Lower Upper
146 100
111 41.8 28.6 53.2
148 62.9 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 1.056 ug/L

RT: 11.635 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV028704.D

Acq: 26 Oct 2022 19:15

Instrument :

MSVOA_V

ClientSampleId :

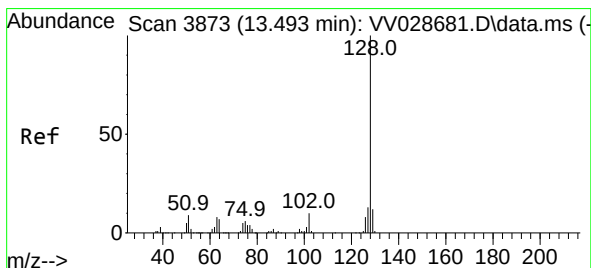
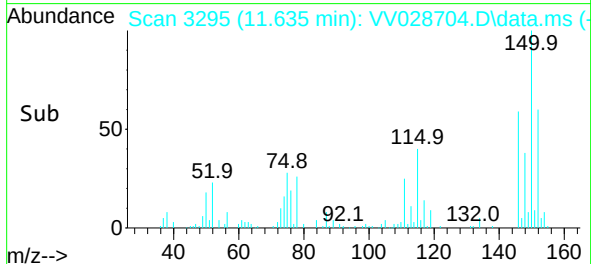
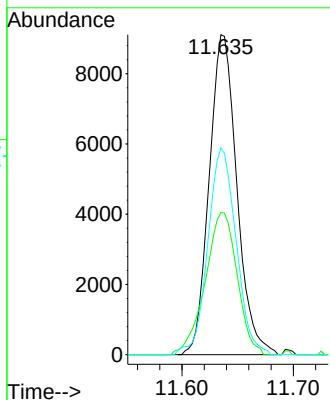
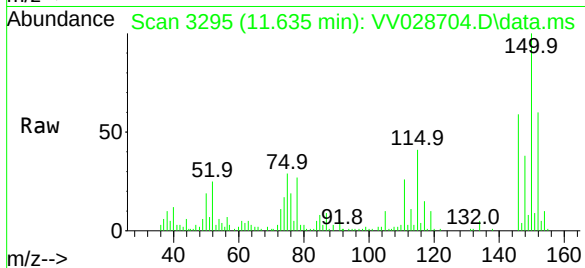
Tgt Ion:146 Resp: 15732

Ion Ratio Lower Upper

146 100

111 44.5 36.2 54.4

148 64.6 50.6 75.8



#71

Naphthalene

Concen: 0.074 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.010 min

Lab File: VV028704.D

Acq: 26 Oct 2022 19:15

Tgt Ion:128 Resp: 1196

Ion Ratio Lower Upper

128 100

129 5.9 8.9 13.3#

127 21.3 10.2 15.4#

