

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102622\
 Data File : VW028701.D
 Acq On : 26 Oct 2022 18:01
 Operator : SY/MD
 Sample : N5232-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 27 06:25:36 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	146026	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	136956	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	60374	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	69014	6.795	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.000%#
7) Chloroethane-d5	1.564	69	62597	7.290	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	145.800%#
11) 1,1-Dichloroethene-d2	2.105	63	100419	5.112	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.200%
20) 2-Butanone-d5	3.892	46	143046	61.771	ug/L	-0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.540%
24) Chloroform-d	4.342	84	109025	6.182	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.600%
26) 1,2-Dichloroethane-d4	5.030	65	57065	6.377	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.600%
32) Benzene-d6	5.047	84	219587	5.995	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.000%
36) 1,2-Dichloropropane-d6	6.066	67	75902	6.547	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	131.000%
41) Toluene-d8	7.313	98	181611	6.354	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	127.000%
43) trans-1,3-Dichloroprop...	7.625	79	12046	3.344	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.800%
46) 2-Hexanone-d5	8.088	63	103032	61.449	ug/L	-0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.900%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	51284	6.670	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	133.400%#
66) 1,2-Dichlorobenzene-d4	11.619	152	58511	7.026	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	140.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	457	0.074	ug/L #	86
3) Chloromethane	1.236	50	955	0.083	ug/L	93
5) Vinyl chloride	1.169	62	736	0.064	ug/L	94
6) Bromomethane	1.516	94	574	0.105	ug/L	72
8) Chloroethane	1.436	64	331143	42.634	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	861	0.095	ug/L #	29
14) Carbon disulfide	2.294	76	6240	0.337	ug/L #	89
22) cis-1,2-Dichloroethene	3.908	96	388	0.040	ug/L #	68
29) 1,1,1-Trichloroethane	4.606	97	308	0.019	ug/L #	49
33) Benzene	5.101	78	23307	0.569	ug/L	100
44) trans-1,3-Dichloropropene	7.628	75	843	0.083	ug/L	86
47) Tetrachloroethene	7.982	164	275	0.044	ug/L #	56
51) Chlorobenzene	8.879	112	63300	2.590	ug/L	97
52) Ethylbenzene	9.014	91	2893	0.067	ug/L	90
53) m,p-Xylene	9.140	106	5147	0.330	ug/L	98
54) o-Xylene	9.542	106	3602	0.230	ug/L #	57
60) Isopropylbenzene	9.931	105	5567	0.147	ug/L #	81
61) 1,2,3-Trichloropropane	11.172	75	687	0.133	ug/L #	44
62) 1,3,5-Trimethylbenzene	10.914	105	2835	0.256	ug/L	90

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ClientSampleId :

Quant Time: Oct 27 06:25:36 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

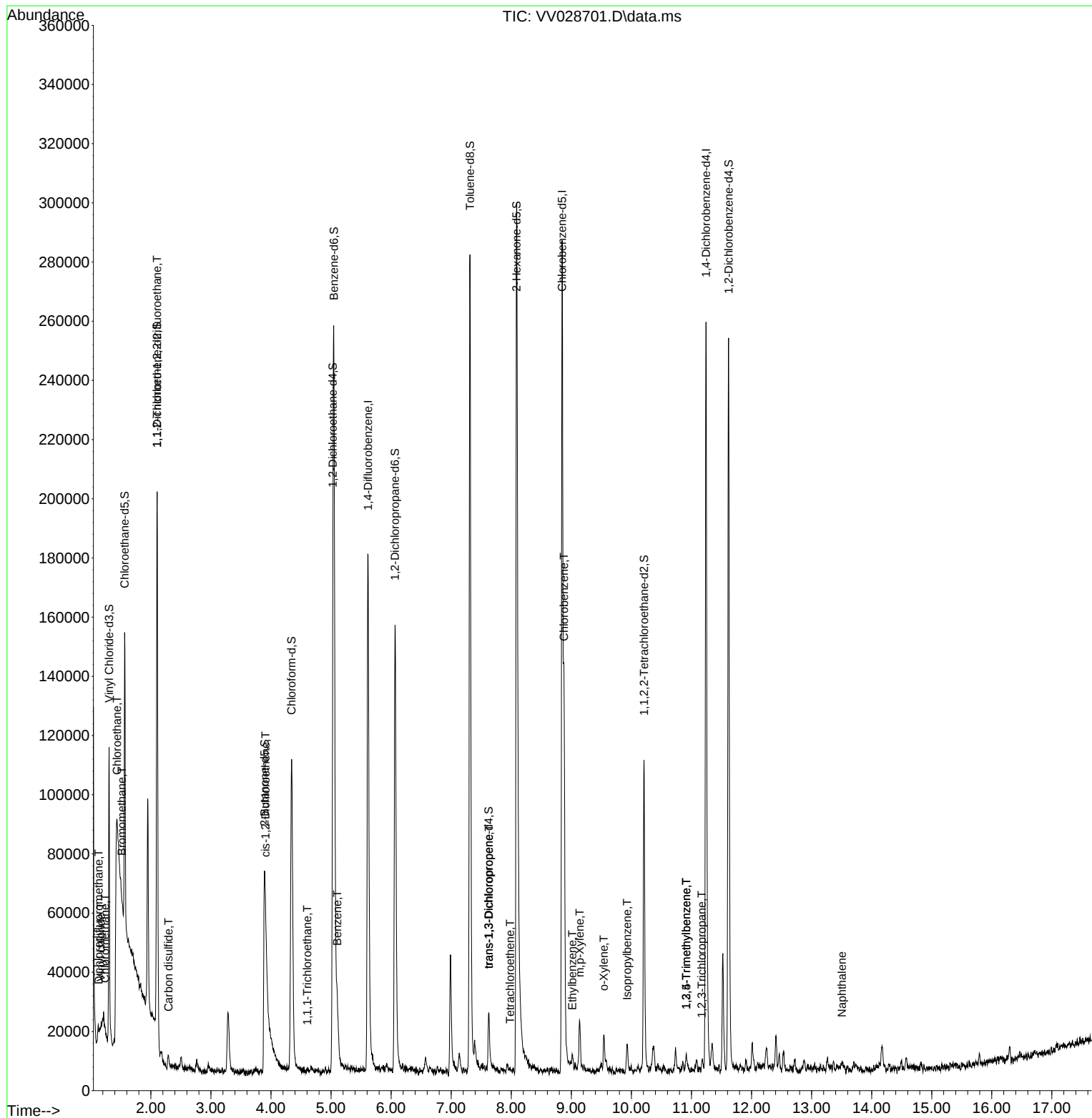
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.914	105	2835	0.092	ug/L #	85
71) Naphthalene	13.506	128	2456	0.151	ug/L #	72

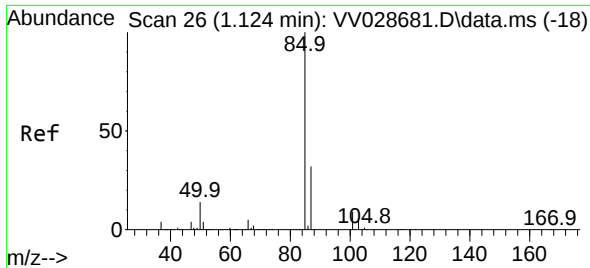
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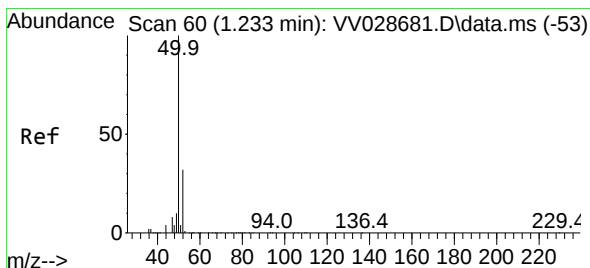
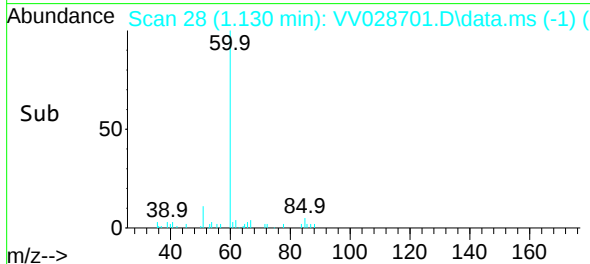
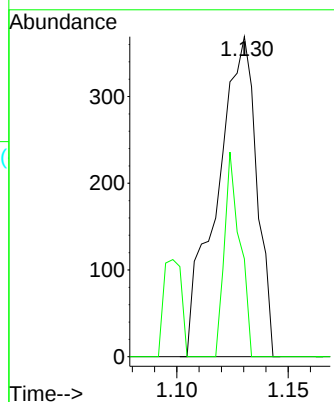
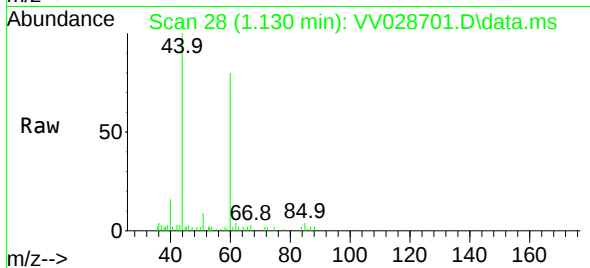




#2
 Dichlorodifluoromethane
 Concen: 0.074 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VV028701.D
 Acq: 26 Oct 2022 18:01

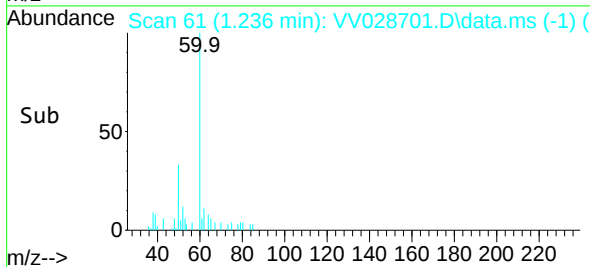
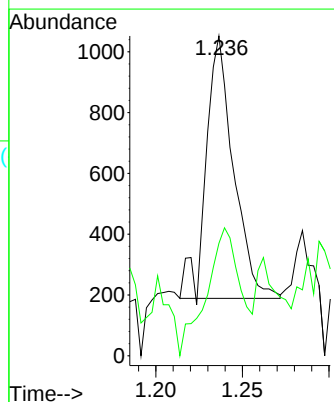
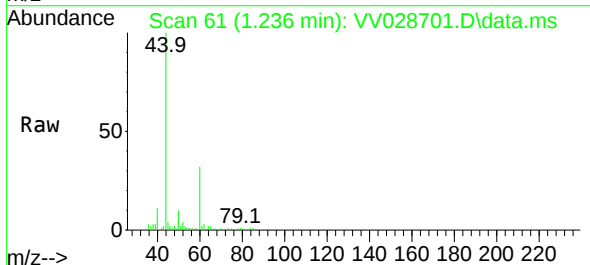
Instrument :
 MSVOA_V
 ClientSampleId :

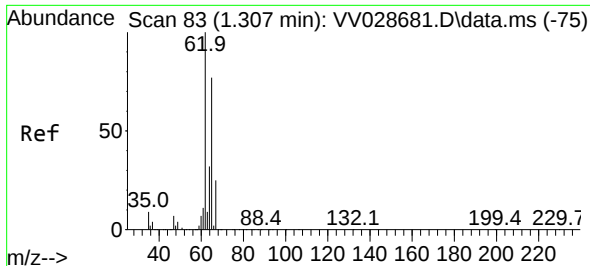
Tgt Ion: 85 Resp: 457
 Ion Ratio Lower Upper
 85 100
 87 25.2 26.6 40.0#



#3
 Chloromethane
 Concen: 0.083 ug/L
 RT: 1.236 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VV028701.D
 Acq: 26 Oct 2022 18:01

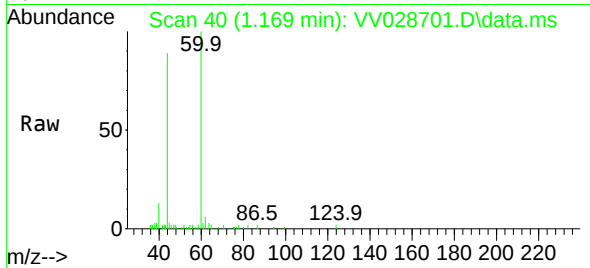
Tgt Ion: 50 Resp: 955
 Ion Ratio Lower Upper
 50 100
 52 35.2 21.8 40.6



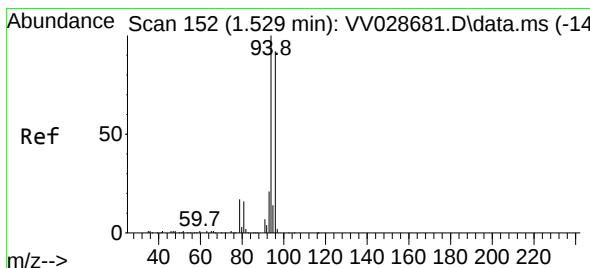
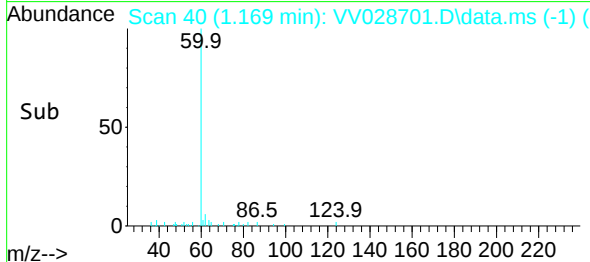
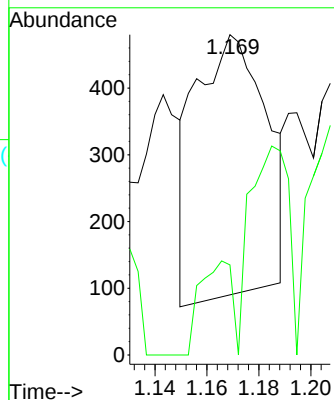


#5
 Vinyl chloride
 Concen: 0.064 ug/L
 RT: 1.169 min Scan# 40
 Delta R.T. -0.138 min
 Lab File: VV028701.D
 Acq: 26 Oct 2022 18:01

Instrument :
 MSVOA_V
 ClientSampleId :

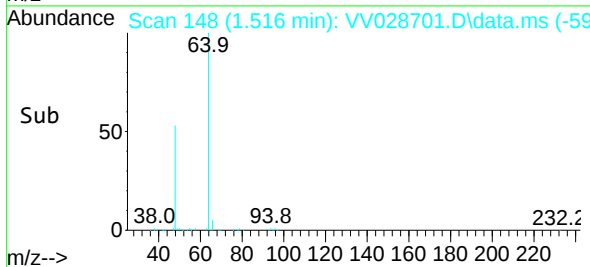
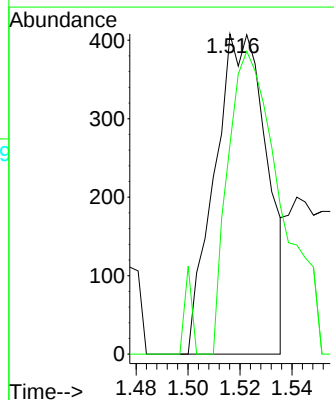
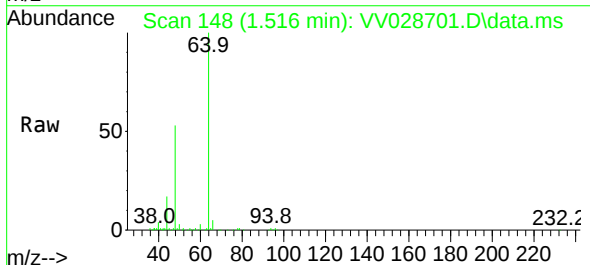


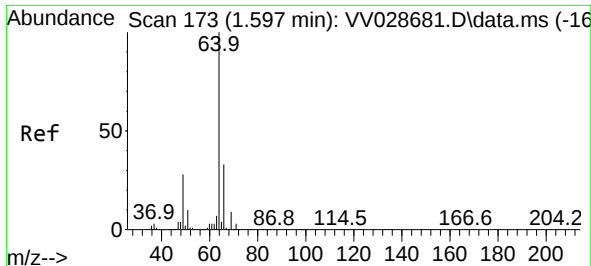
Tgt Ion: 62 Resp: 736
 Ion Ratio Lower Upper
 62 100
 64 28.1 22.0 41.0



#6
 Bromomethane
 Concen: 0.105 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.013 min
 Lab File: VV028701.D
 Acq: 26 Oct 2022 18:01

Tgt Ion: 94 Resp: 574
 Ion Ratio Lower Upper
 94 100
 96 65.4 64.3 119.3

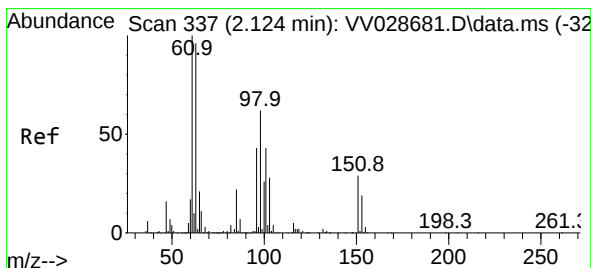
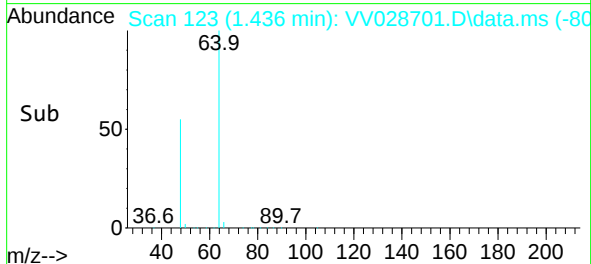
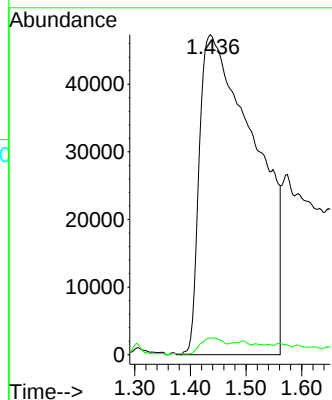
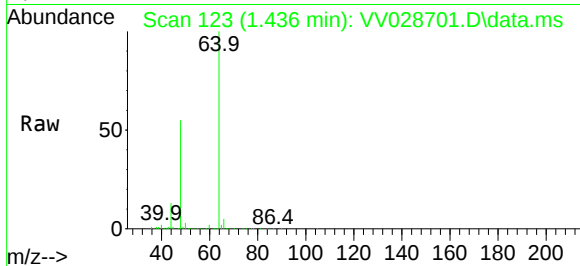




#8
Chloroethane
Concen: 42.634 ug/L
RT: 1.436 min Scan# 11
Delta R.T. -0.161 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

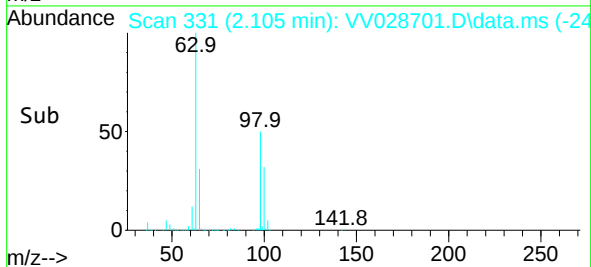
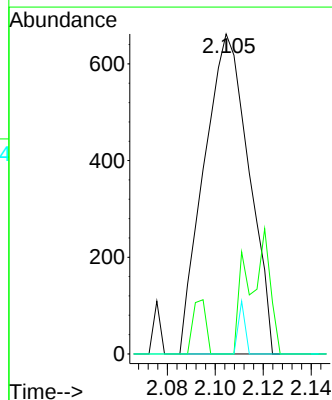
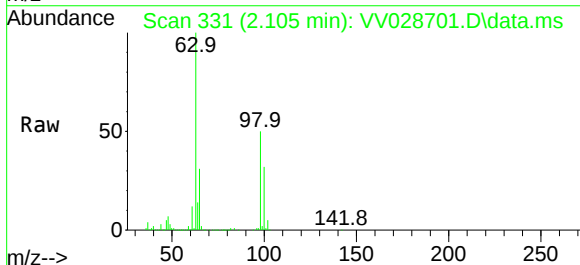
Instrument :
MSVOA_V
ClientSampleId :

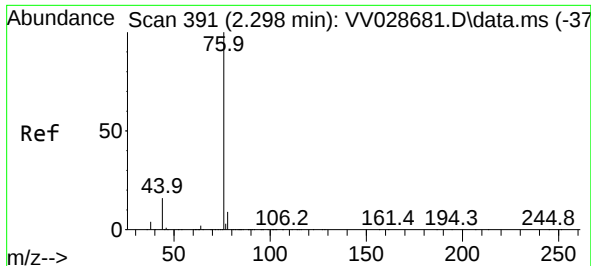
Tgt Ion: 64 Resp: 331143
Ion Ratio Lower Upper
64 100
66 5.3 23.9 44.5#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.095 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.019 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

Tgt Ion:101 Resp: 861
Ion Ratio Lower Upper
101 100
85 4.9 37.0 55.6#
151 2.4 50.2 75.2#

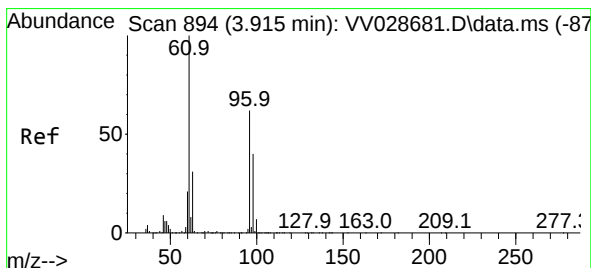
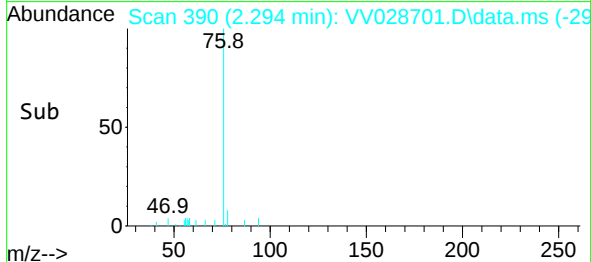
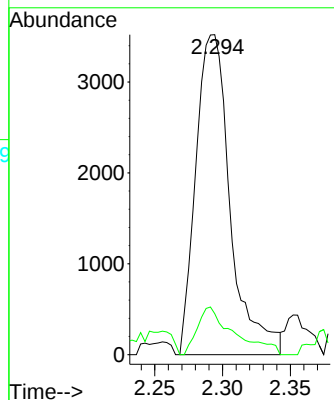
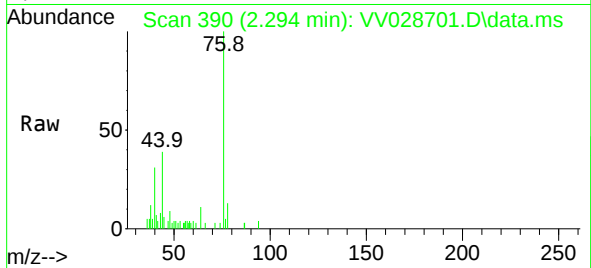




#14
Carbon disulfide
Concen: 0.337 ug/L
RT: 2.294 min Scan# 391
Delta R.T. -0.003 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

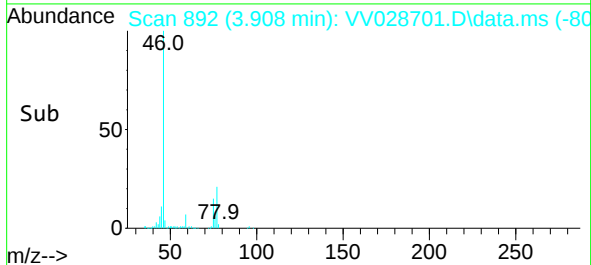
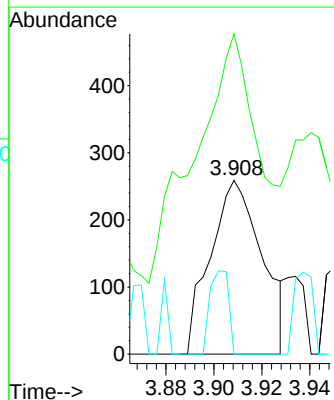
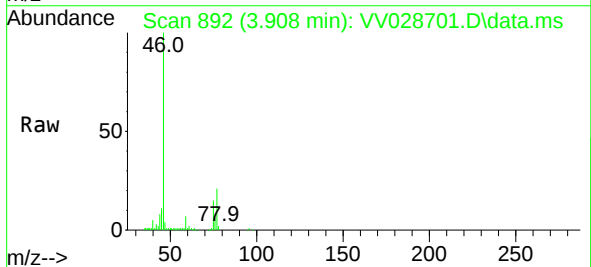
Instrument :
MSVOA_V
ClientSampleId :

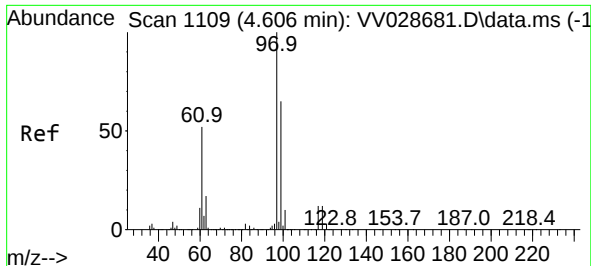
Tgt Ion: 76 Resp: 6240
Ion Ratio Lower Upper
76 100
78 12.8 7.1 10.7#



#22
cis-1,2-Dichloroethene
Concen: 0.040 ug/L
RT: 3.908 min Scan# 892
Delta R.T. -0.007 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

Tgt Ion: 96 Resp: 388
Ion Ratio Lower Upper
96 100
61 184.2 101.4 188.2
68 0.0 0.5 0.9#





#29

1,1,1-Trichloroethane

Concen: 0.019 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VV028701.D

Acq: 26 Oct 2022 18:01

Instrument :

MSVOA_V

ClientSampleId :

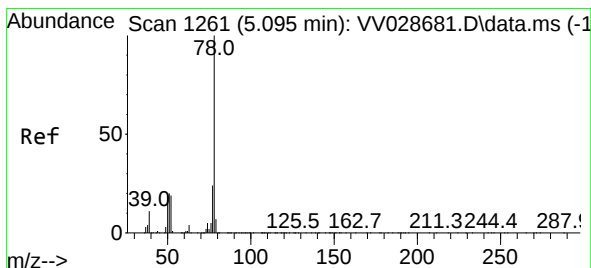
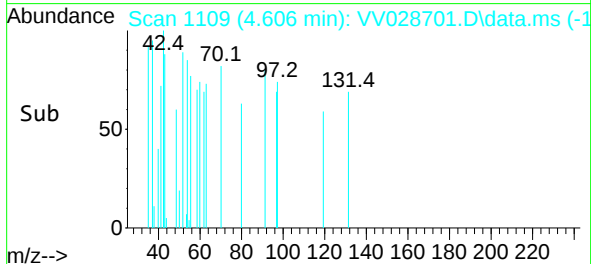
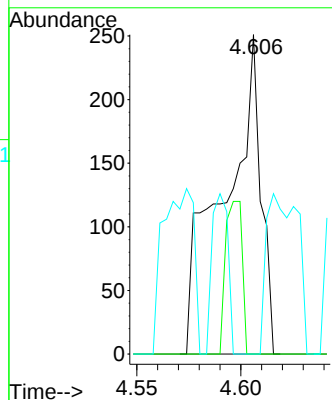
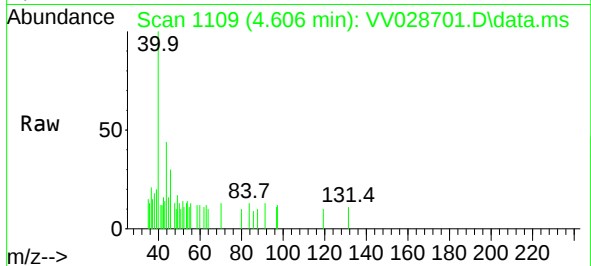
Tgt Ion: 97 Resp: 308

Ion Ratio Lower Upper

97 100

99 0.0 50.5 75.7#

61 42.5 43.1 64.7#



#33

Benzene

Concen: 0.569 ug/L

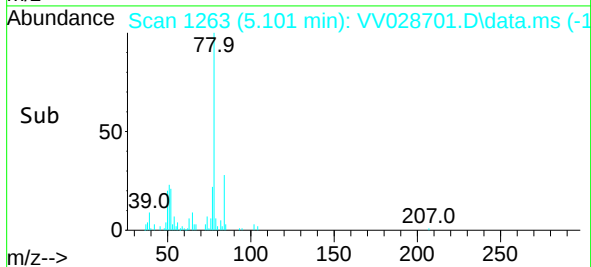
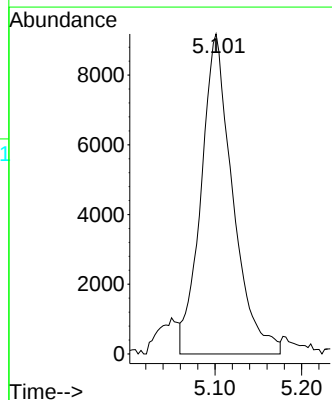
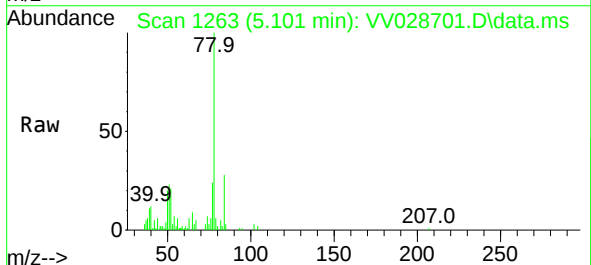
RT: 5.101 min Scan# 1263

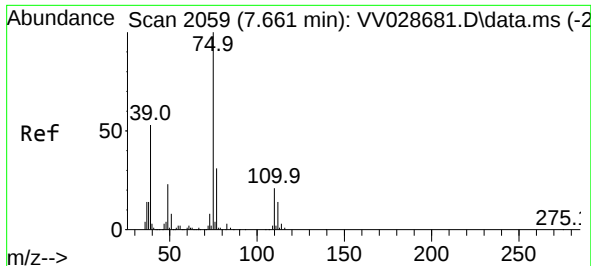
Delta R.T. 0.006 min

Lab File: VV028701.D

Acq: 26 Oct 2022 18:01

Tgt Ion: 78 Resp: 23307

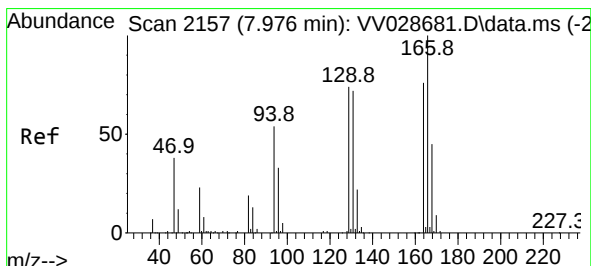
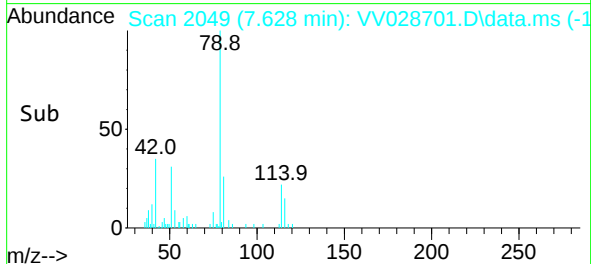
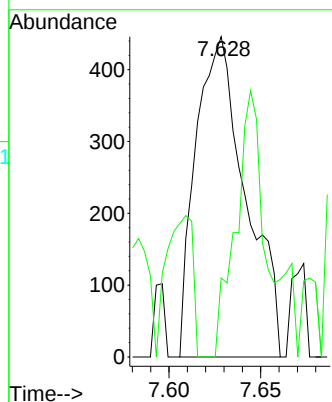
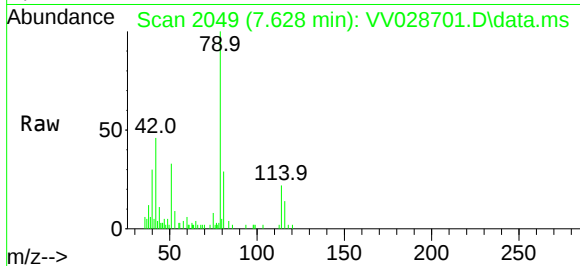




#44
trans-1,3-Dichloropropene
Concen: 0.083 ug/L
RT: 7.628 min Scan# 2049
Delta R.T. -0.033 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

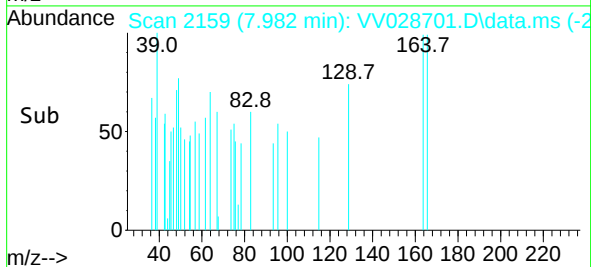
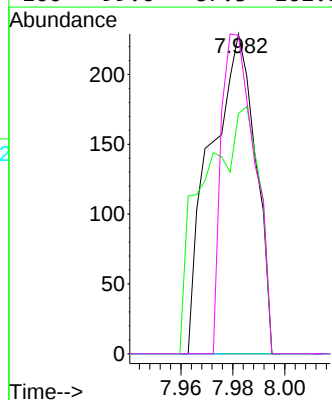
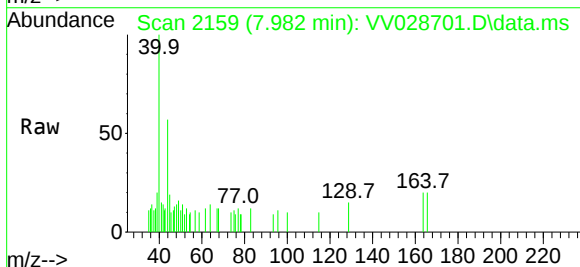
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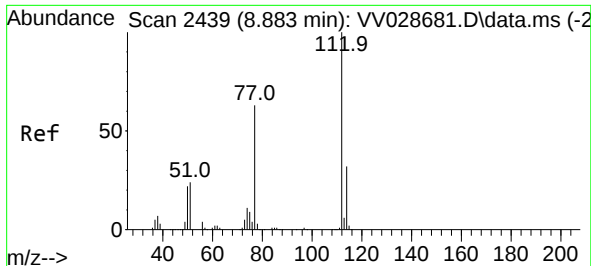
Tgt Ion: 75 Resp: 843
Ion Ratio Lower Upper
75 100
77 24.7 22.6 42.0



#47
Tetrachloroethene
Concen: 0.044 ug/L
RT: 7.982 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

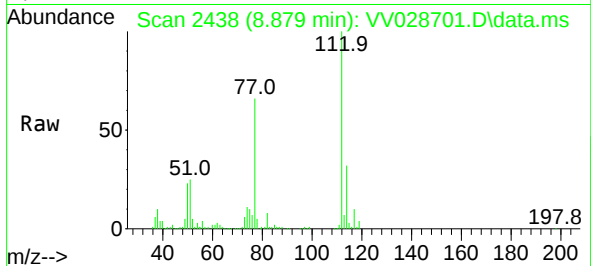
Tgt Ion: 164 Resp: 275
Ion Ratio Lower Upper
164 100
129 75.1 69.2 128.6
131 0.0 64.2 119.2#
166 99.6 87.3 162.1



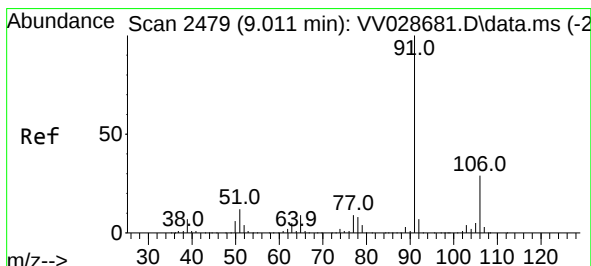
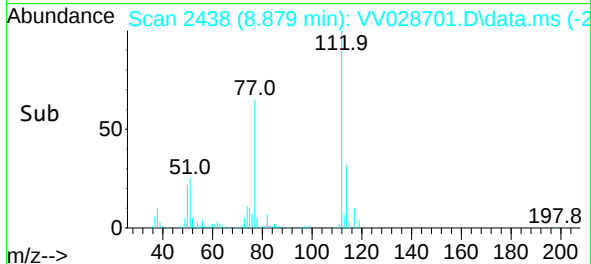
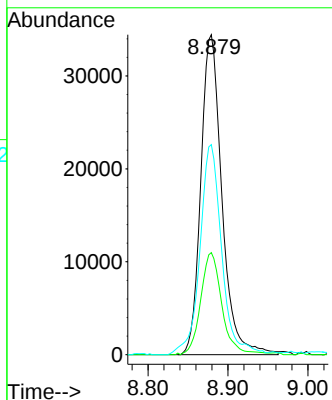


#51
Chlorobenzene
Concen: 2.590 ug/L
RT: 8.879 min Scan# 2439
Delta R.T. -0.003 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

Instrument :
MSVOA_V
ClientSampleId :

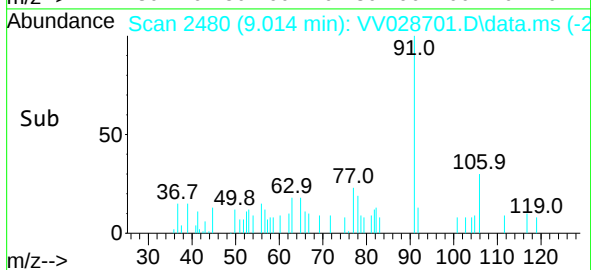
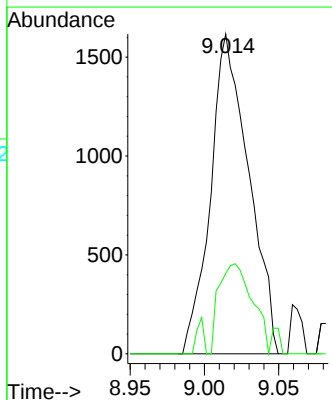
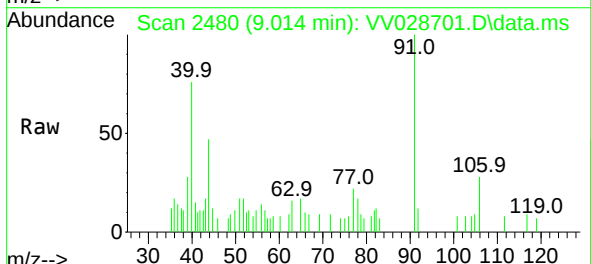


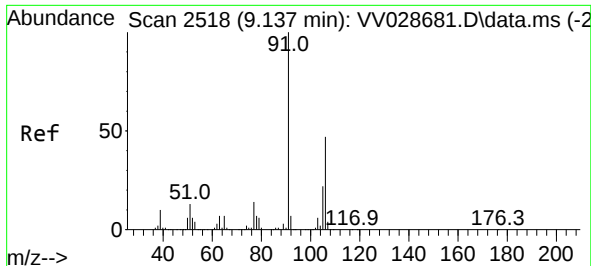
Tgt Ion:112 Resp: 63300
Ion Ratio Lower Upper
112 100
114 31.9 22.0 41.0
77 65.7 50.0 75.0



#52
Ethylbenzene
Concen: 0.067 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

Tgt Ion: 91 Resp: 2893
Ion Ratio Lower Upper
91 100
106 25.1 21.3 39.6

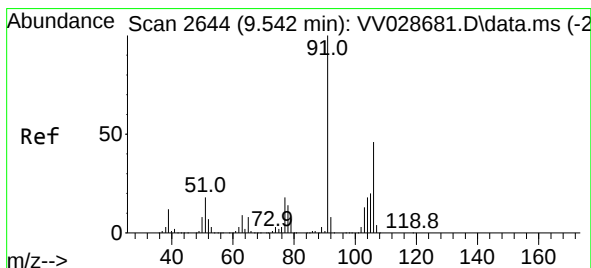
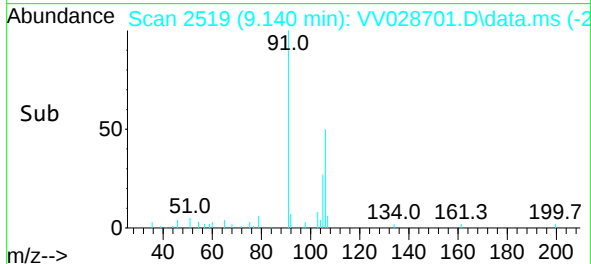
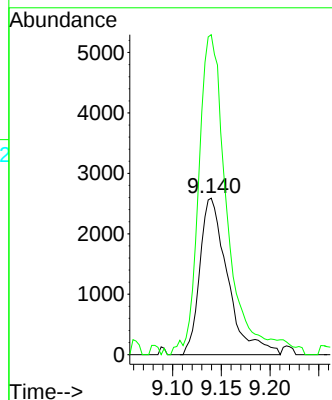
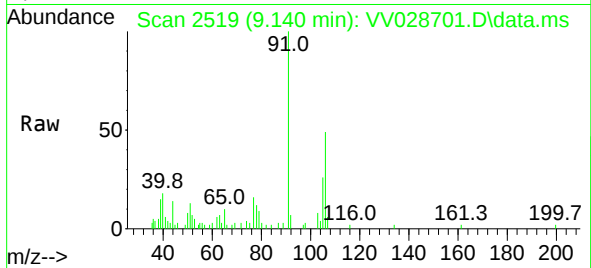




#53
m,p-Xylene
Concen: 0.330 ug/L
RT: 9.140 min Scan# 2518
Delta R.T. 0.003 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

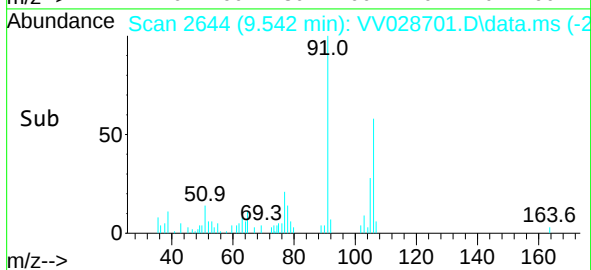
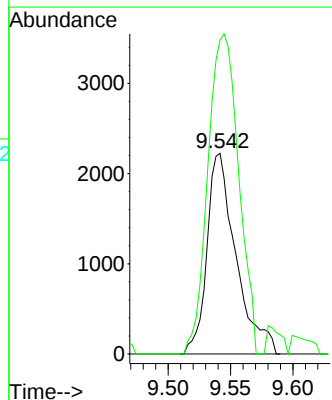
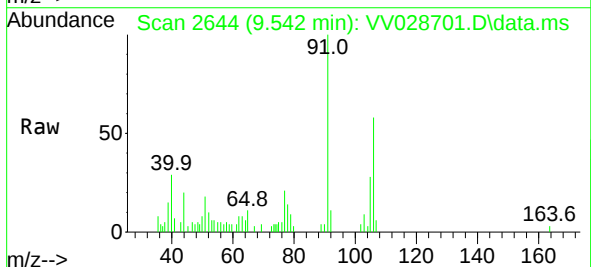
Instrument :
MSVOA_V
ClientSampleId :

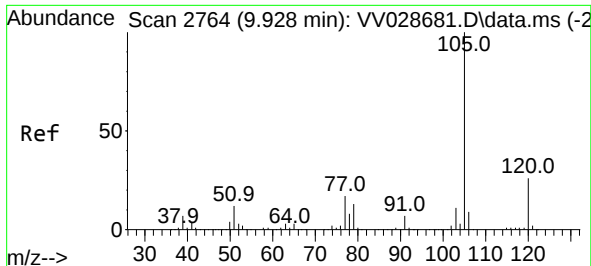
Tgt Ion:106 Resp: 5147
Ion Ratio Lower Upper
106 100
91 204.6 145.5 270.1



#54
o-Xylene
Concen: 0.230 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

Tgt Ion:106 Resp: 3602
Ion Ratio Lower Upper
106 100
91 156.4 159.0 295.4#

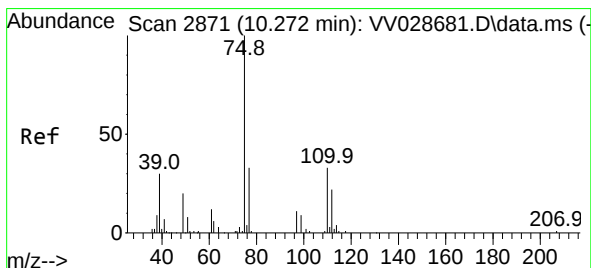
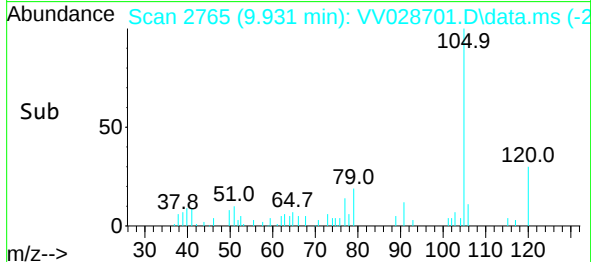
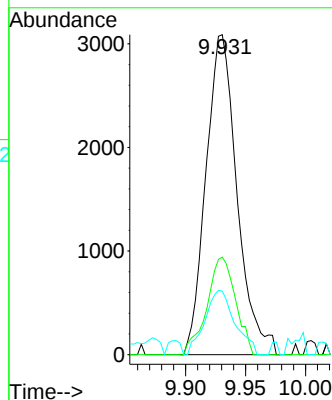
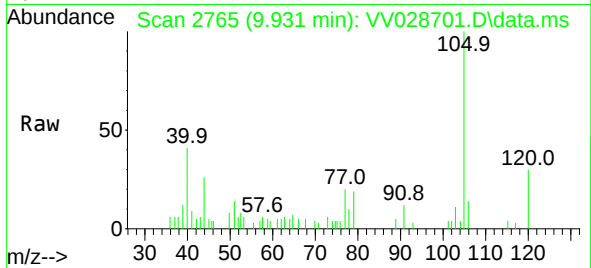




#60
Isopropylbenzene
Concen: 0.147 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

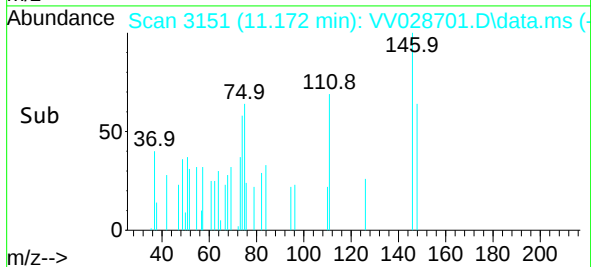
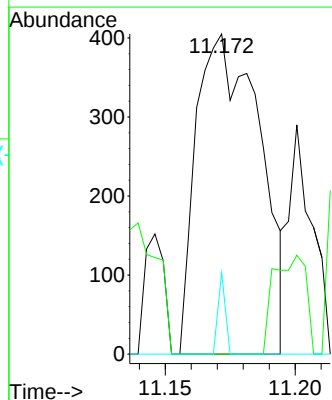
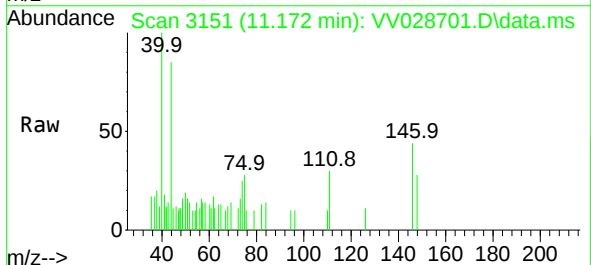
Instrument :
MSVOA_V
ClientSampleId :

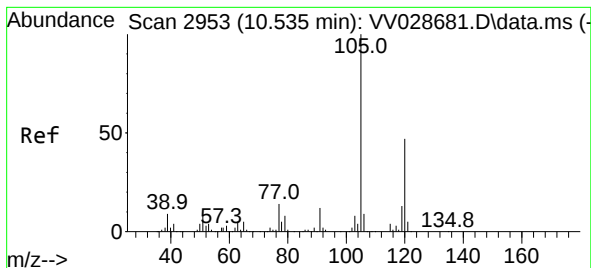
Tgt Ion:105 Resp: 5567
Ion Ratio Lower Upper
105 100
120 28.0 20.1 30.1
77 0.0 13.4 20.0#



#61
1,2,3-Trichloropropane
Concen: 0.133 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.900 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

Tgt Ion: 75 Resp: 687
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
110 2.9 27.9 41.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.256 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.379 min

Lab File: VV028701.D

Acq: 26 Oct 2022 18:01

Instrument :

MSVOA_V

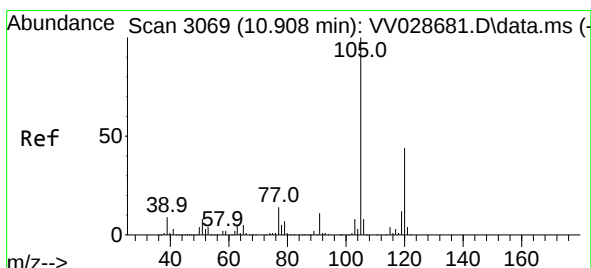
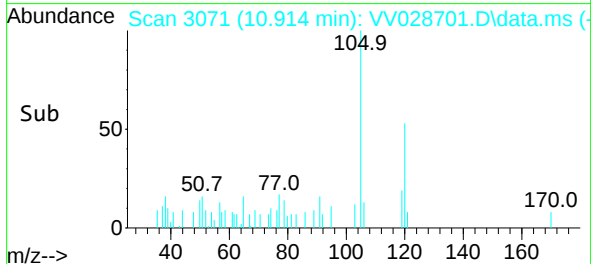
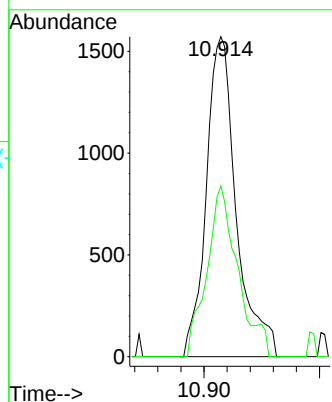
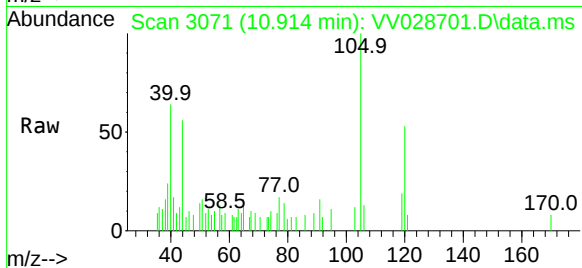
ClientSampleId :

Tgt Ion:105 Resp: 2835

Ion Ratio Lower Upper

105 100

120 55.0 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 0.092 ug/L

RT: 10.914 min Scan# 3071

Delta R.T. 0.006 min

Lab File: VV028701.D

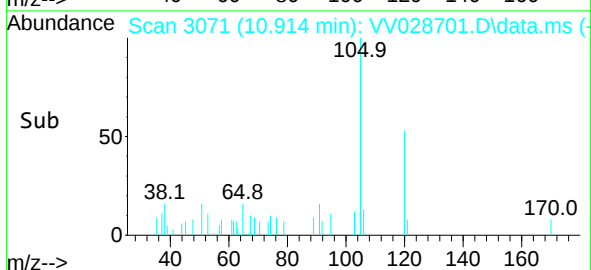
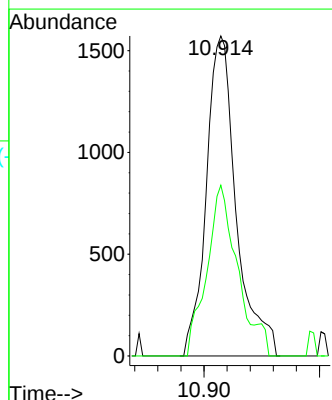
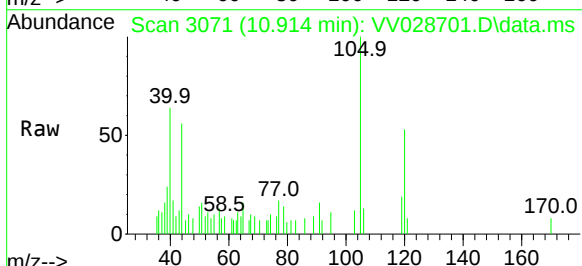
Acq: 26 Oct 2022 18:01

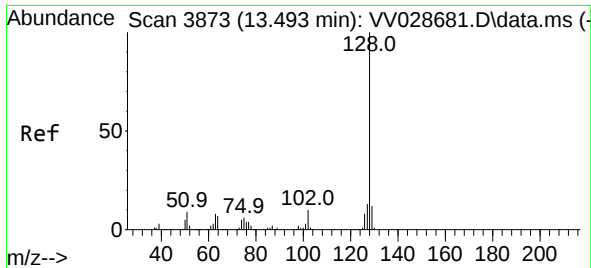
Tgt Ion:105 Resp: 2835

Ion Ratio Lower Upper

105 100

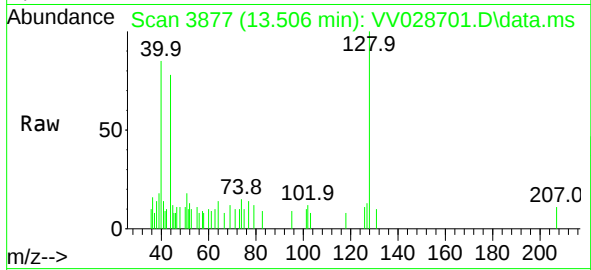
120 55.0 36.2 54.2#





#71
Naphthalene
Concen: 0.151 ug/L
RT: 13.506 min Scan# 31
Delta R.T. 0.013 min
Lab File: VV028701.D
Acq: 26 Oct 2022 18:01

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 2456
Ion Ratio Lower Upper
128 100
129 0.8 8.9 13.3#
127 1.6 10.2 15.4#

