

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102122\
 Data File : VW028654.D
 Acq On : 21 Oct 2022 11:52
 Operator : SY/MD
 Sample : N5216-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHAD2

Quant Time: Oct 21 23:00:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 21 22:58:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	210897	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	137042	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	59519	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	100326	4.805	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.558	69	79114	4.820	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.095	63	138806	3.825	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	3.957	46	201525	51.280	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.560%
24) Chloroform-d	4.339	84	161302	5.208	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.027	65	84016	5.008	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.034	84	331612	5.562	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.200%
36) 1,2-Dichloropropane-d6	6.059	67	110339	5.902	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.000%
41) Toluene-d8	7.304	98	201104	4.663	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
43) trans-1,3-Dichloroprop...	7.616	79	18731	4.127	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.600%
46) 2-Hexanone-d5	8.108	63	91515	48.561	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.120%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	44740	5.066	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.400%
66) 1,2-Dichlorobenzene-d4	11.615	152	56574	5.288	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.230	50	2260	0.110	ug/L	87
6) Bromomethane	1.513	94	1614	0.168	ug/L	74
10) 1,1,2-Trichloro-1,2,2-...	2.095	101	1580	0.109	ug/L #	29
12) 1,1-Dichloroethene	2.098	96	1513	0.111	ug/L #	1
13) Acetone	2.249	43	11597	4.603	ug/L	90
18) trans-1,2-Dichloroethene	2.741	96	620	0.042	ug/L #	55
22) cis-1,2-Dichloroethene	3.899	96	430	0.025	ug/L #	31
25) Chloroform	4.365	83	87291	2.657	ug/L	99
35) Methylcyclohexane	6.059	83	24402	1.048	ug/L #	16
39) cis-1,3-Dichloropropene	6.973	75	2255	0.127	ug/L #	54
40) 4-Methyl-2-pentanone	7.159	43	56175	6.741	ug/L #	48
42) Toluene	7.378	91	10801	0.203	ug/L	96
53) m,p-Xylene	9.133	106	1979	0.098	ug/L	97
54) o-Xylene	9.535	106	1125	0.056	ug/L	75
55) Styrene	9.564	104	1783	0.052	ug/L	82
62) 1,3,5-Trimethylbenzene	10.908	105	1232	0.086	ug/L	98
71) Naphthalene	13.503	128	997	0.053	ug/L #	80

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 21 22:58:36 2022
Response via : Initial Calibration

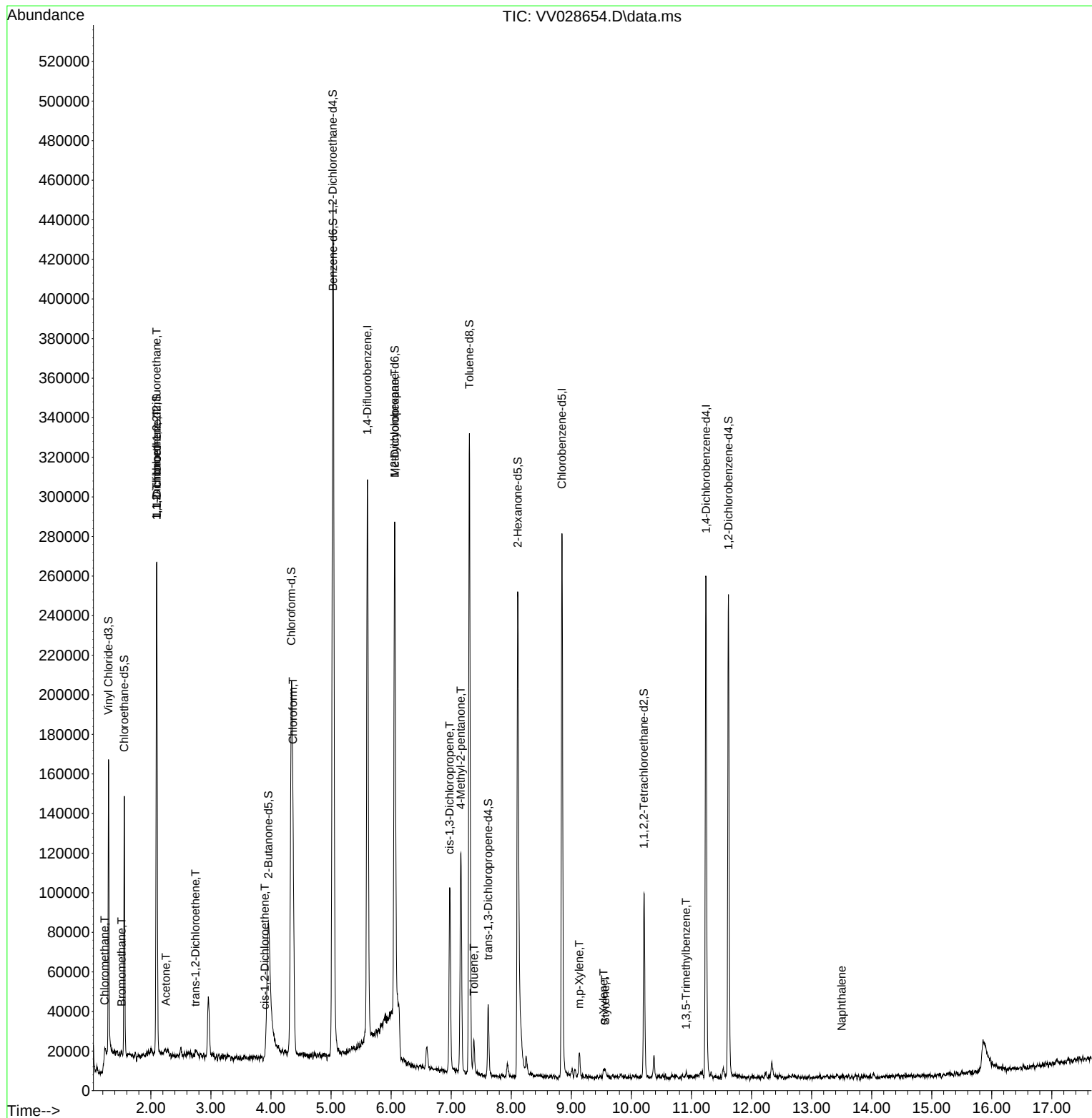
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

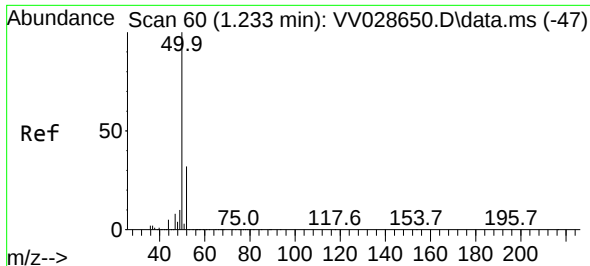
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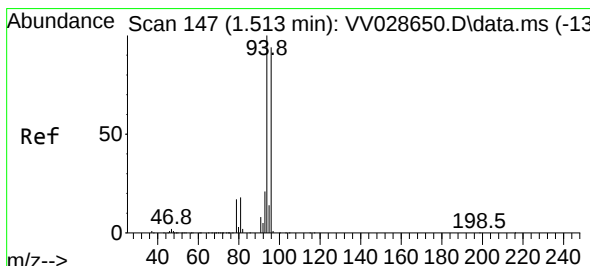
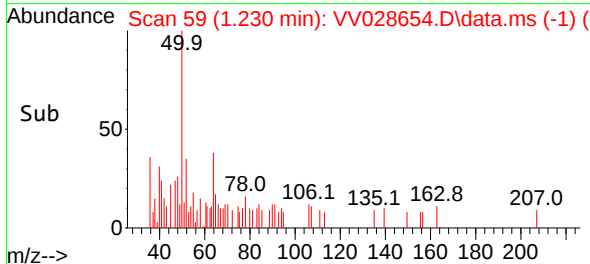
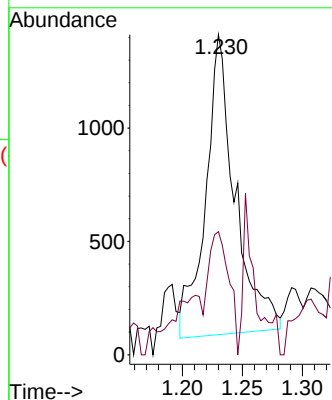
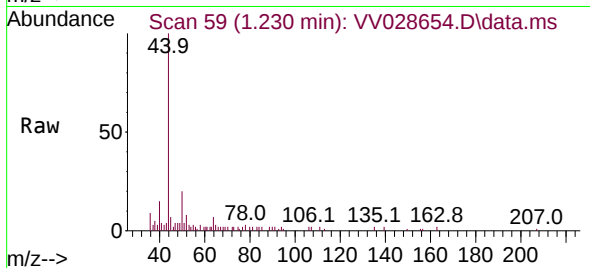




#3
Chloromethane
Concen: 0.110 ug/L
RT: 1.230 min Scan# 59
Delta R.T. -0.003 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

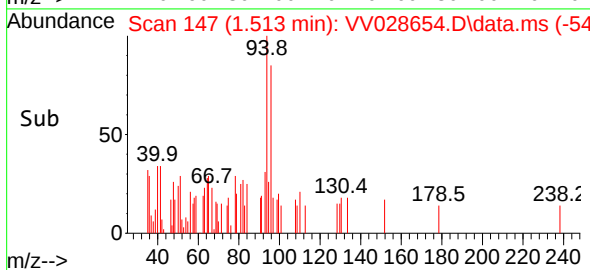
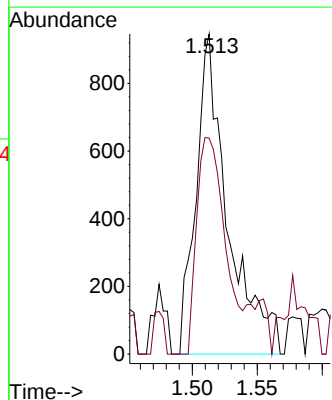
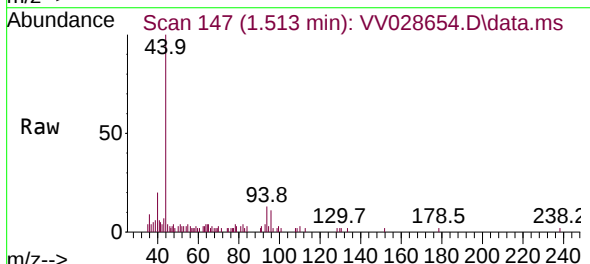
Instrument :
MSVOA_V
ClientSampleId :
BHAD2

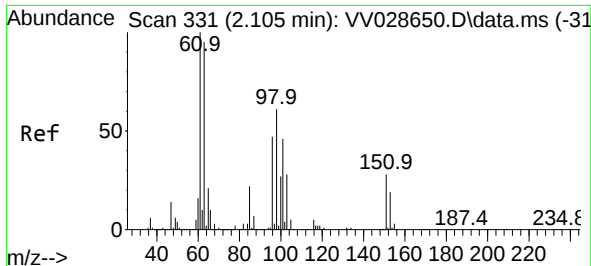
Tgt Ion: 50 Resp: 2260
Ion Ratio Lower Upper
50 100
52 38.5 21.8 40.6



#6
Bromomethane
Concen: 0.168 ug/L
RT: 1.513 min Scan# 147
Delta R.T. 0.000 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

Tgt Ion: 94 Resp: 1614
Ion Ratio Lower Upper
94 100
96 67.4 64.3 119.3

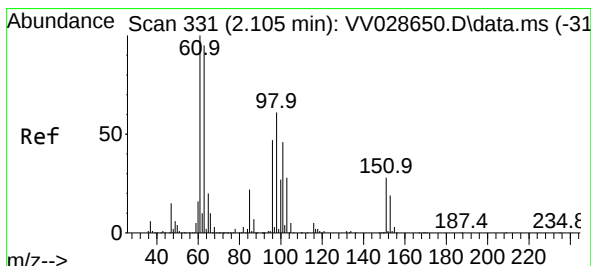
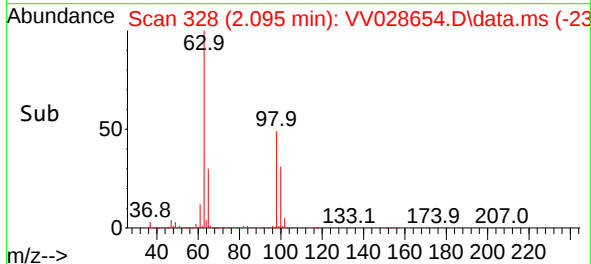
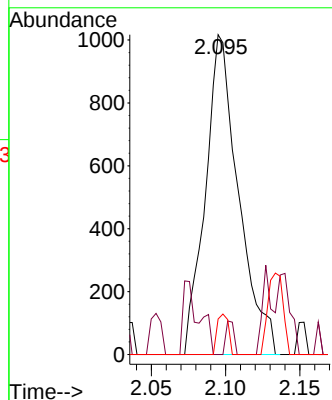
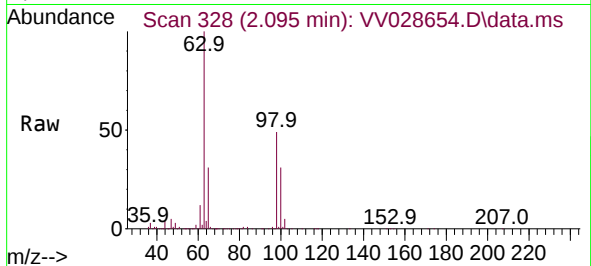




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.109 ug/L
 RT: 2.095 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: VV028654.D
 Acq: 21 Oct 2022 11:52

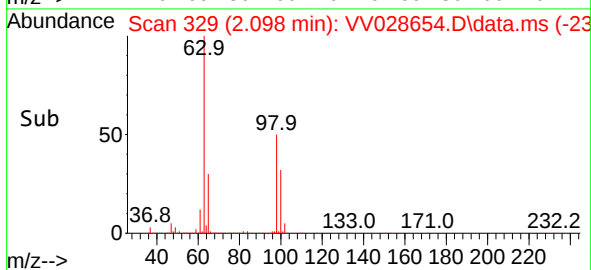
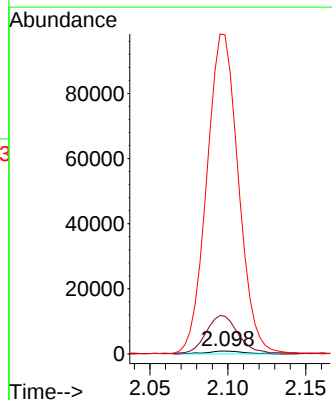
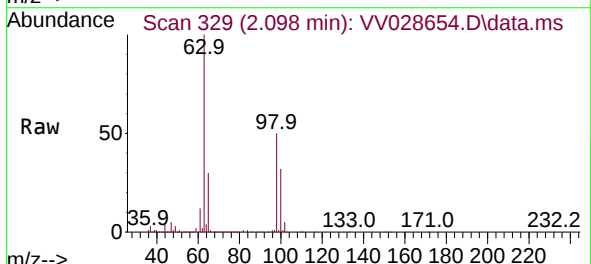
Instrument :
 MSVOA_V
 ClientSampleId :
 BHAD2

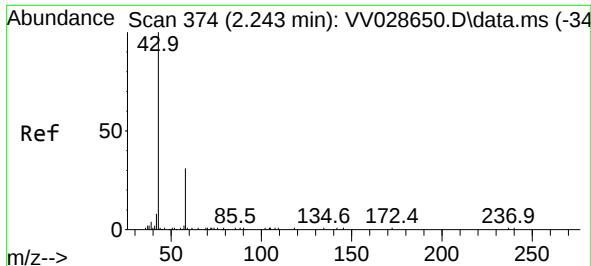
Tgt Ion: 101 Resp: 1580
 Ion Ratio Lower Upper
 101 100
 85 2.6 37.0 55.6#
 151 4.3 50.2 75.2#



#12
 1,1-Dichloroethene
 Concen: 0.111 ug/L
 RT: 2.098 min Scan# 329
 Delta R.T. -0.006 min
 Lab File: VV028654.D
 Acq: 21 Oct 2022 11:52

Tgt Ion: 96 Resp: 1513
 Ion Ratio Lower Upper
 96 100
 61 1284.6 148.1 275.1#
 63 10836.3 133.3 247.7#





#13

Acetone

Concen: 4.603 ug/L

RT: 2.249 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV028654.D

Acq: 21 Oct 2022 11:52

Instrument :

MSVOA_V

ClientSampleId :

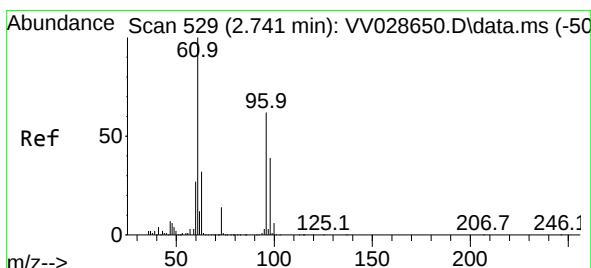
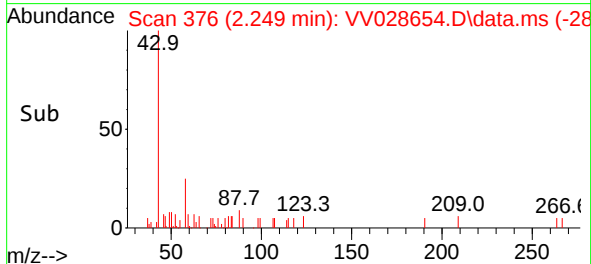
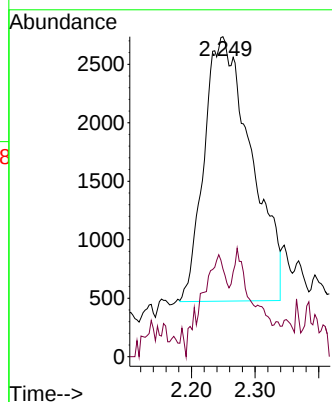
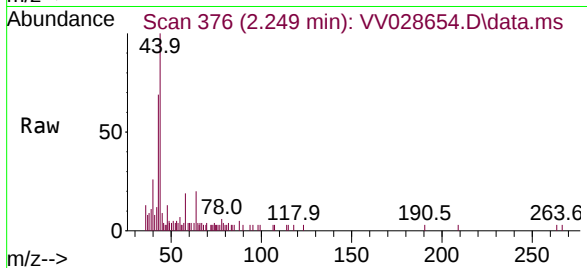
BHAD2

Tgt Ion: 43 Resp: 11597

Ion Ratio Lower Upper

43 100

58 20.1 0.0 50.2



#18

trans-1,2-Dichloroethene

Concen: 0.042 ug/L

RT: 2.741 min Scan# 529

Delta R.T. 0.000 min

Lab File: VV028654.D

Acq: 21 Oct 2022 11:52

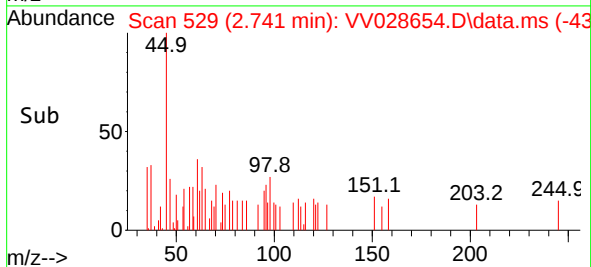
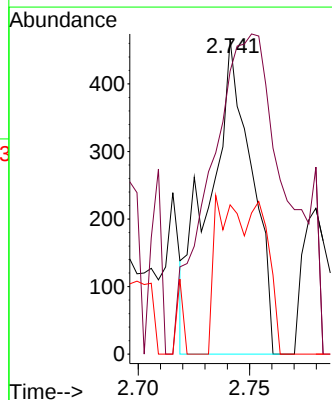
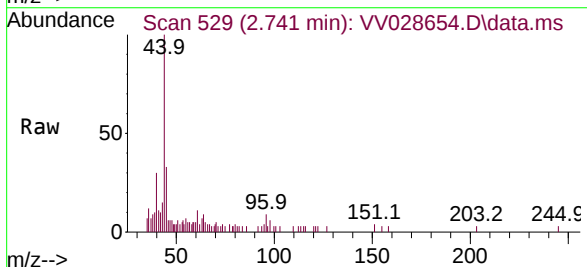
Tgt Ion: 96 Resp: 620

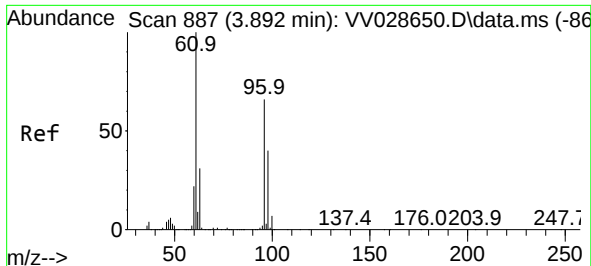
Ion Ratio Lower Upper

96 100

61 89.9 114.3 212.3#

98 47.4 45.0 83.6

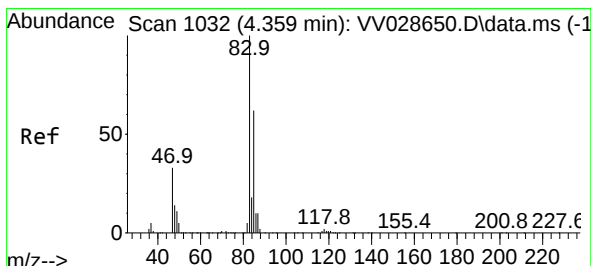
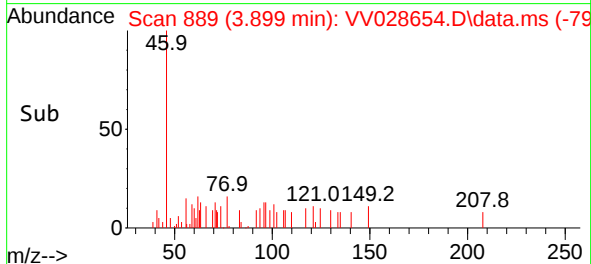
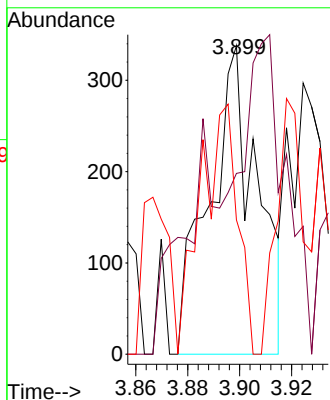
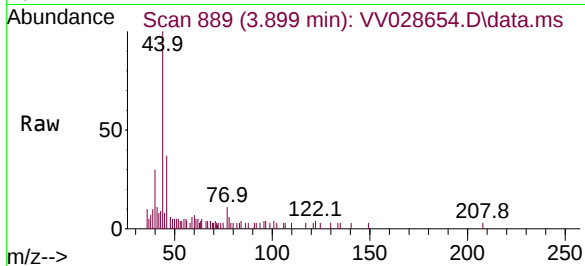




#22
cis-1,2-Dichloroethene
Concen: 0.025 ug/L
RT: 3.899 min Scan# 889
Delta R.T. 0.006 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

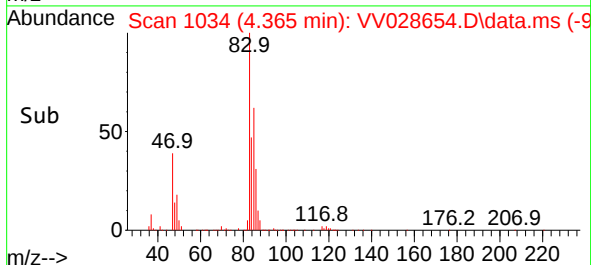
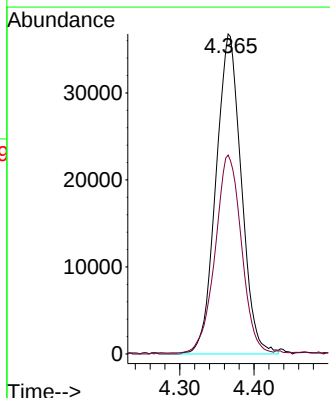
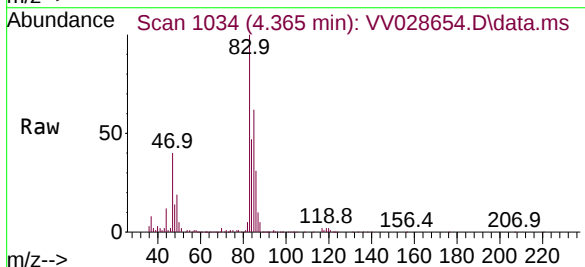
Instrument :
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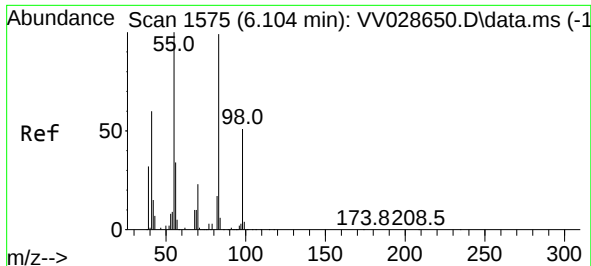
Tgt Ion: 96 Resp: 430
Ion Ratio Lower Upper
96 100
61 58.6 101.4 188.2#
68 43.5 0.5 0.9#



#25
Chloroform
Concen: 2.657 ug/L
RT: 4.365 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

Tgt Ion: 83 Resp: 87291
Ion Ratio Lower Upper
83 100
85 62.2 44.1 81.9

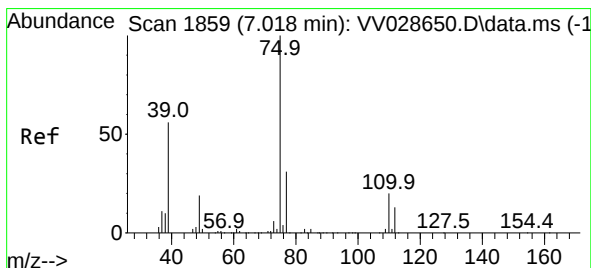
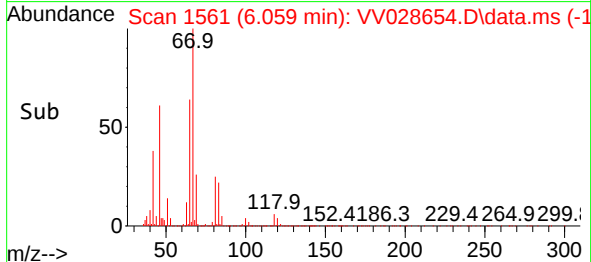
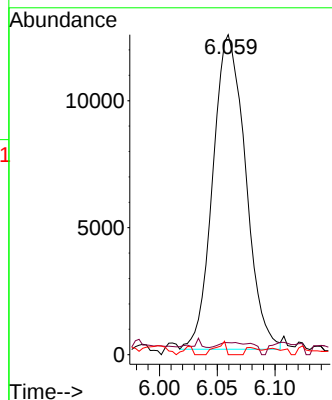
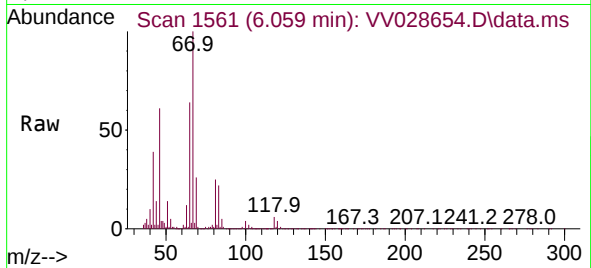




#35
Methylcyclohexane
Concen: 1.048 ug/L
RT: 6.059 min Scan# 11
Delta R.T. -0.045 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

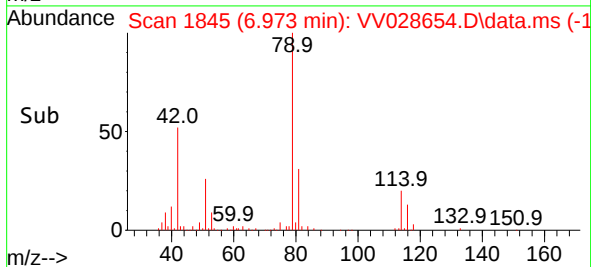
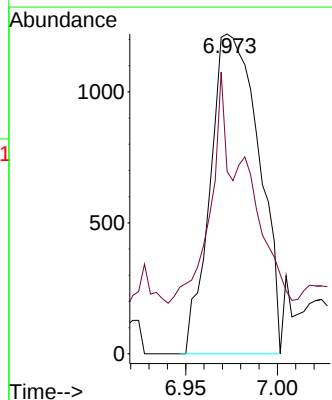
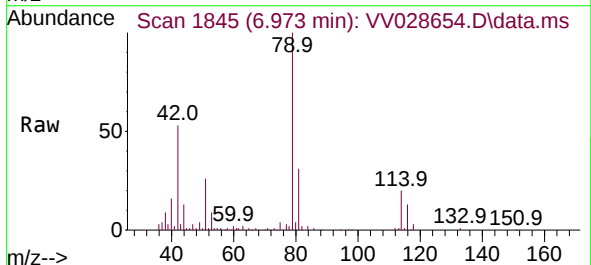
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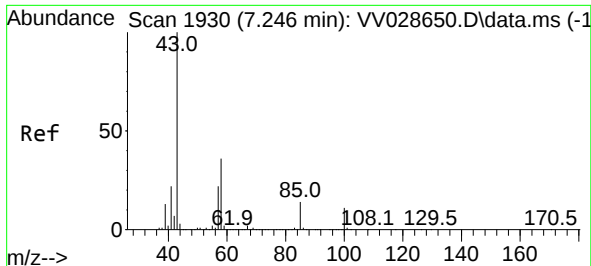
Tgt Ion: 83 Resp: 24402
Ion Ratio Lower Upper
83 100
55 1.0 70.0 105.0#
98 1.3 35.6 53.4#



#39
cis-1,3-Dichloropropene
Concen: 0.127 ug/L
RT: 6.973 min Scan# 1845
Delta R.T. -0.045 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

Tgt Ion: 75 Resp: 2255
Ion Ratio Lower Upper
75 100
77 57.0 22.1 41.1#





#40

4-Methyl-2-pentanone

Concen: 6.741 ug/L

RT: 7.159 min Scan# 1930

Delta R.T. -0.087 min

Lab File: VV028654.D

Acq: 21 Oct 2022 11:52

Instrument :

MSVOA_V

ClientSampleId :

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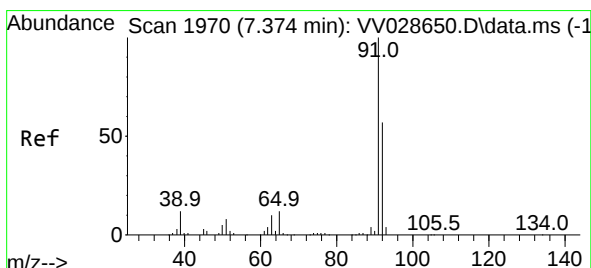
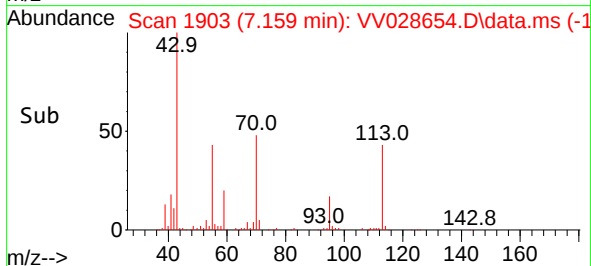
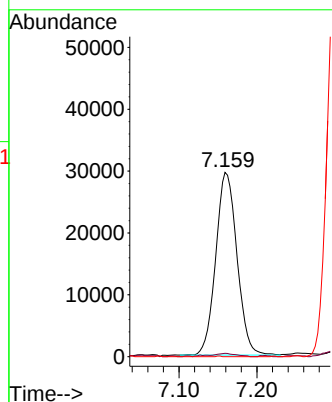
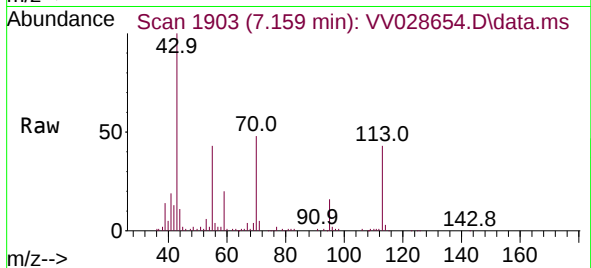
Tgt Ion: 43 Resp: 56175

Ion Ratio Lower Upper

43 100

58 1.9 29.6 44.4#

100 0.0 9.4 14.0#



#42

Toluene

Concen: 0.203 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. 0.003 min

Lab File: VV028654.D

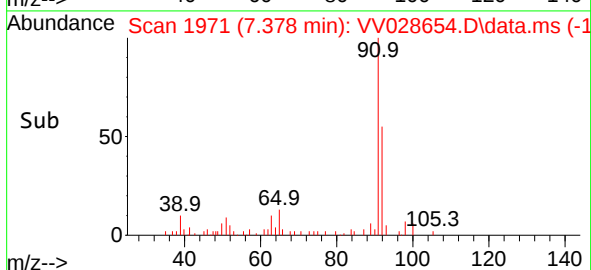
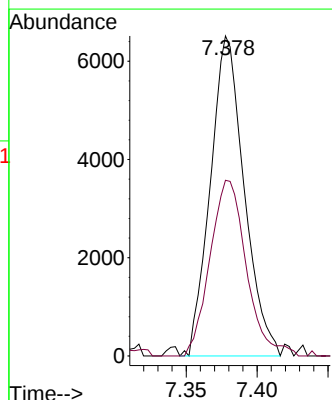
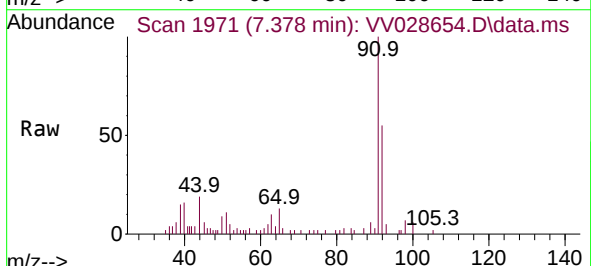
Acq: 21 Oct 2022 11:52

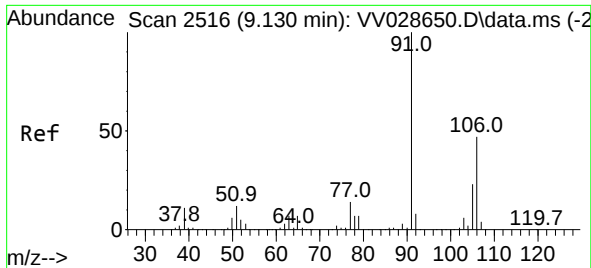
Tgt Ion: 91 Resp: 10801

Ion Ratio Lower Upper

91 100

92 54.9 40.5 75.3

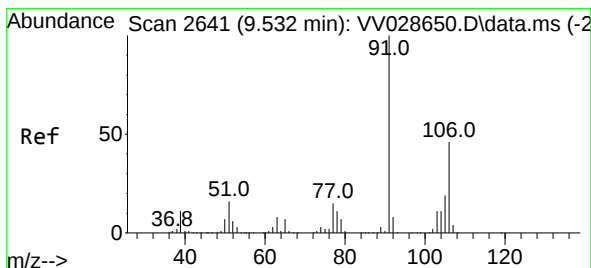
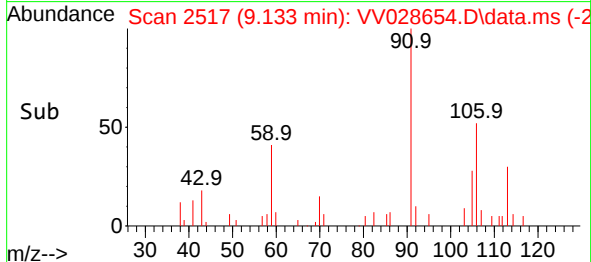
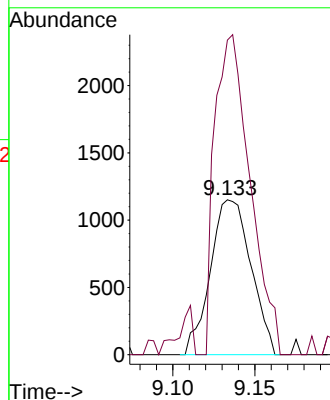
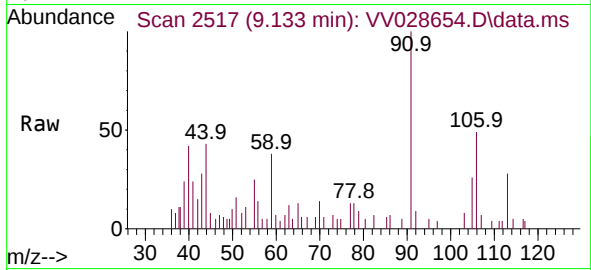




#53
m,p-Xylene
Concen: 0.098 ug/L
RT: 9.133 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

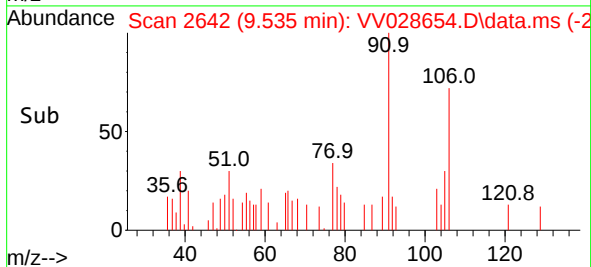
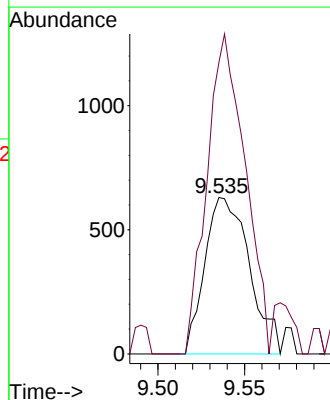
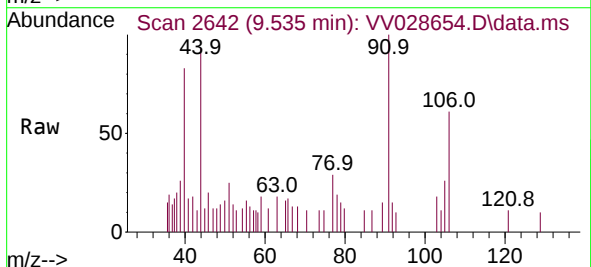
Instrument :
MSVOA_V
ClientSampleId :
BHAD2

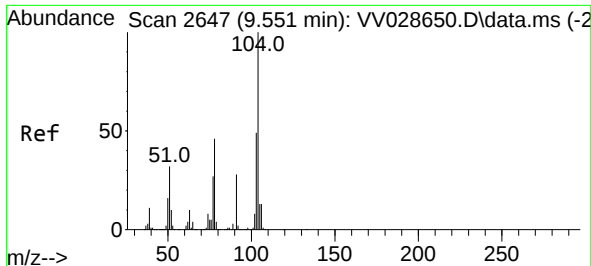
Tgt Ion:106 Resp: 1979
Ion Ratio Lower Upper
106 100
91 203.1 145.5 270.1



#54
o-Xylene
Concen: 0.056 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. 0.003 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

Tgt Ion:106 Resp: 1125
Ion Ratio Lower Upper
106 100
91 186.3 159.0 295.4

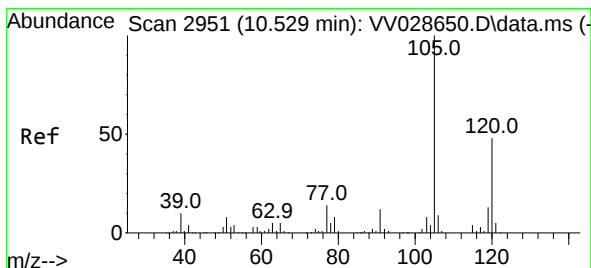
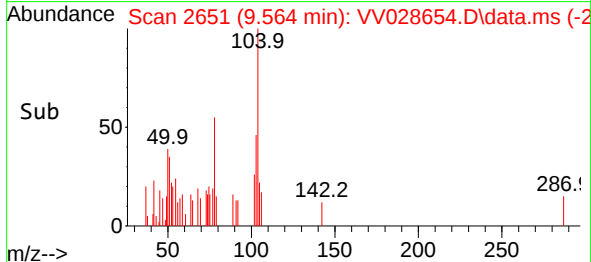
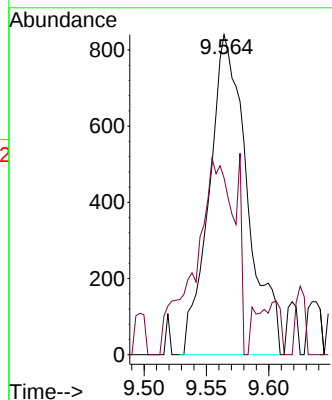
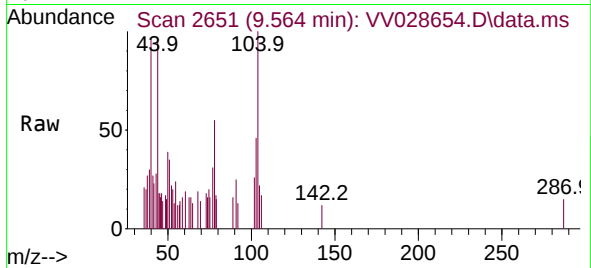




#55
Styrene
Concen: 0.052 ug/L
RT: 9.564 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

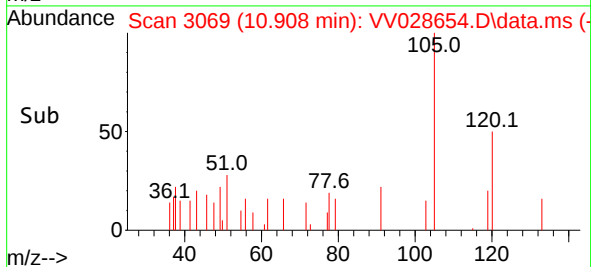
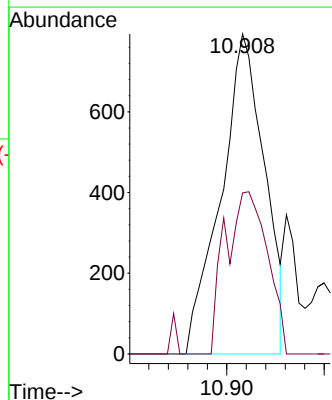
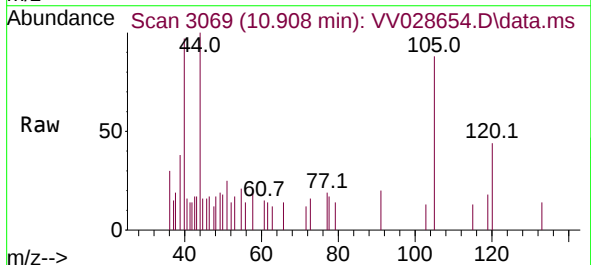
Instrument :
MSVOA_V
ClientSampleId :
BHAD2

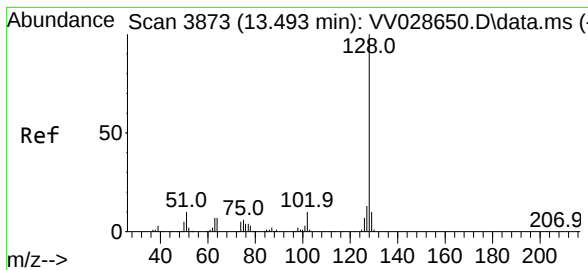
Tgt Ion:104 Resp: 1783
Ion Ratio Lower Upper
104 100
78 58.9 32.8 61.0



#62
1,3,5-Trimethylbenzene
Concen: 0.086 ug/L
RT: 10.908 min Scan# 3069
Delta R.T. 0.379 min
Lab File: VV028654.D
Acq: 21 Oct 2022 11:52

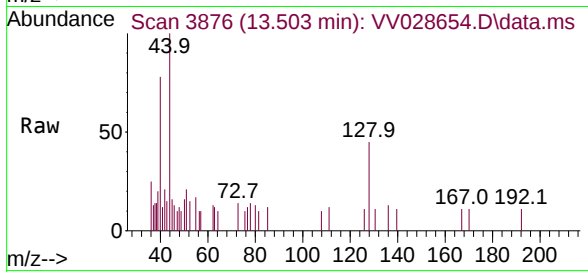
Tgt Ion:105 Resp: 1232
Ion Ratio Lower Upper
105 100
120 49.2 38.3 57.5





#71
 Naphthalene
 Concen: 0.053 ug/L
 RT: 13.503 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VV028654.D
 Acq: 21 Oct 2022 11:52

Instrument : MSVOA_V
 ClientSampleId : BHAD2



Tgt Ion:	128	Resp:	997
Ion	Ratio	Lower	Upper
128	100		
129	4.4	8.9	13.3#
127	4.1	10.2	15.4#

