

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102722\
 Data File : VW028713.D
 Acq On : 27 Oct 2022 12:23
 Operator : SY/MD
 Sample : N5232-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHA82

Quant Time: Oct 28 02:16:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 02:13:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	179574	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	168255	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	73313	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	70342	5.632	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.600%
7) Chloroethane-d5	1.565	69	64537	6.112	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.200%
11) 1,1-Dichloroethene-d2	2.105	63	101960	4.221	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.400%
20) 2-Butanone-d5	3.892	46	170069	59.720	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.440%
24) Chloroform-d	4.343	84	112098	5.169	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.400%
26) 1,2-Dichloroethane-d4	5.031	65	60503	5.498	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.000%
32) Benzene-d6	5.047	84	225986	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.066	67	79237	5.563	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.200%
41) Toluene-d8	7.314	98	184200	5.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
43) trans-1,3-Dichloroprop...	7.625	79	12650	2.859	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	57.200%
46) 2-Hexanone-d5	8.088	63	101995	49.514	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.020%
56) 1,1,2,2-Tetrachloroeth...	10.211	84	49377	5.227	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	11.616	152	56668	5.604	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	3804	0.269	ug/L	94
5) Vinyl chloride	1.311	62	715	0.051	ug/L #	1
6) Bromomethane	1.520	94	916	0.136	ug/L	80
8) Chloroethane	1.584	64	5372	0.562	ug/L #	54
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1023	0.092	ug/L #	31
12) 1,1-Dichloroethene	2.108	96	1021	0.103	ug/L #	1
13) Acetone	2.175	43	9737	5.761	ug/L	75
14) Carbon disulfide	2.288	76	2818	0.124	ug/L #	75
17) Methyl tert-butyl Ether	2.767	73	4734	0.183	ug/L #	88
33) Benzene	5.101	78	13225	0.263	ug/L	100
35) Methylcyclohexane	6.066	83	17357	1.009	ug/L #	16
51) Chlorobenzene	8.879	112	33075	1.102	ug/L	100
52) Ethylbenzene	9.021	91	2779	0.052	ug/L	99
53) m,p-Xylene	9.146	106	3668	0.192	ug/L	95
54) o-Xylene	9.545	106	3101	0.161	ug/L	68
60) Isopropylbenzene	9.931	105	1694	0.037	ug/L #	80
61) 1,2,3-Trichloropropane	11.243	75	12526	1.990	ug/L #	68
62) 1,3,5-Trimethylbenzene	10.481	105	527	0.039	ug/L	93

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ALS Vial : 7 Sample Multiplier: 1

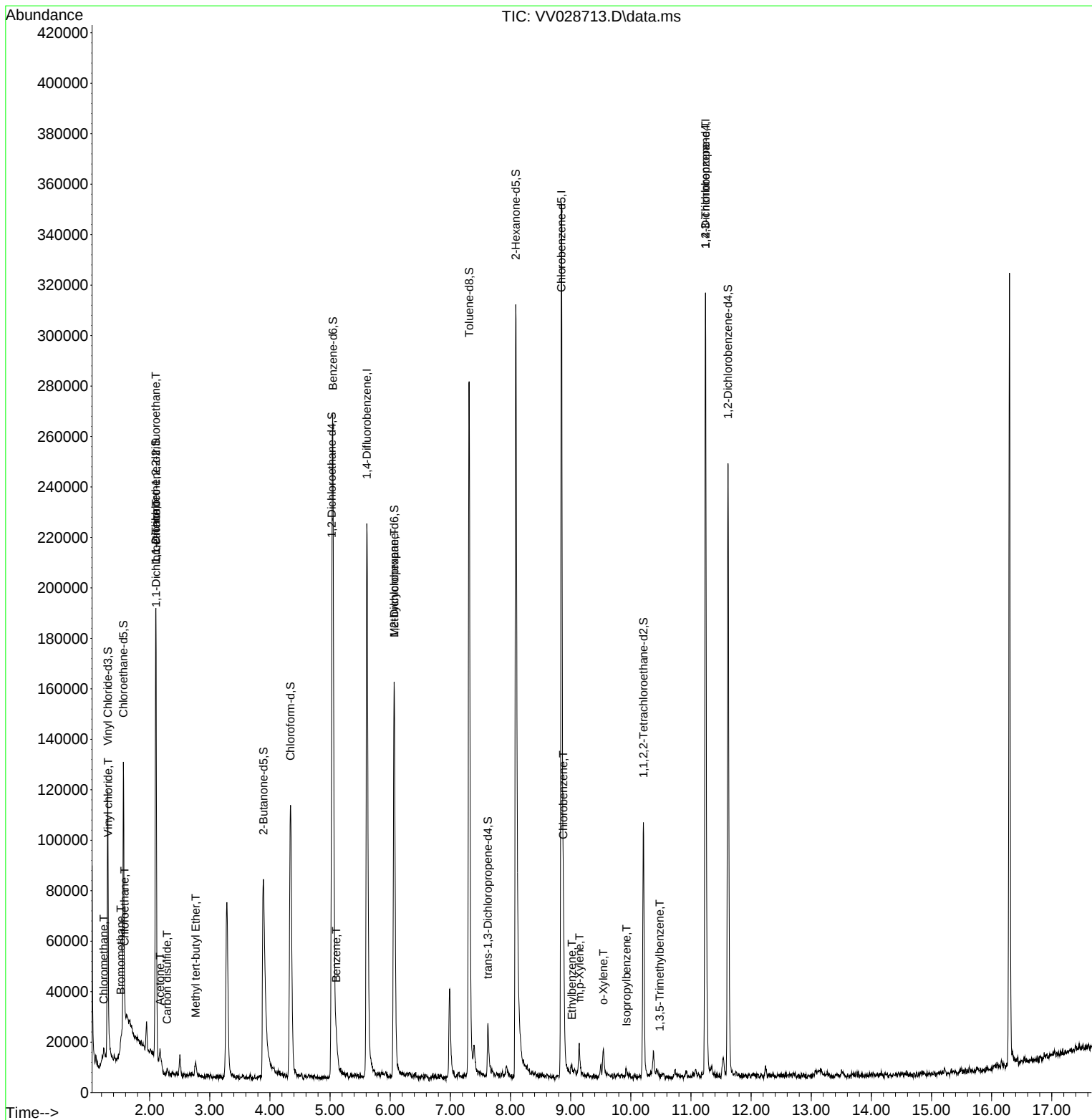
Instrument :
MSVOA_V
ClientSampleId :
BHA82

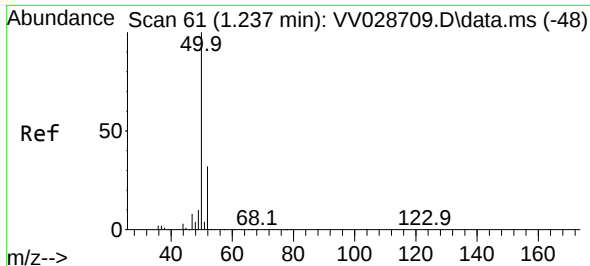
Quant Time: Oct 28 02:16:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 02:13:29 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Oct 28 02:16:45 2022
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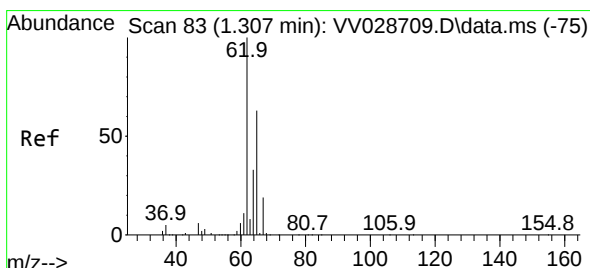
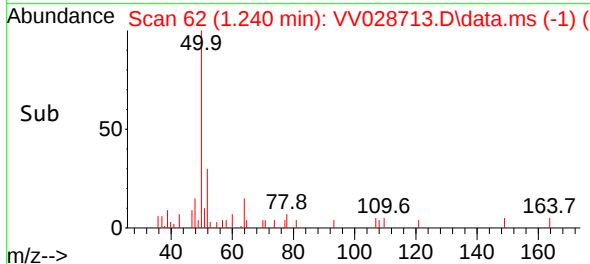
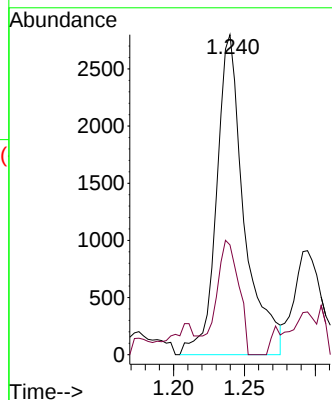
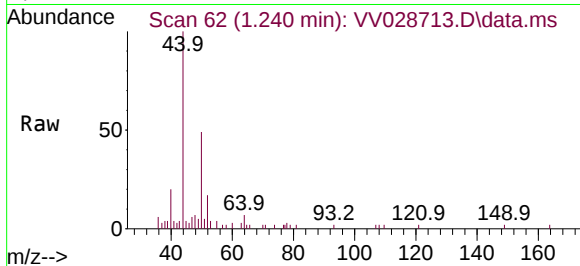




#3
Chloromethane
Concen: 0.269 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

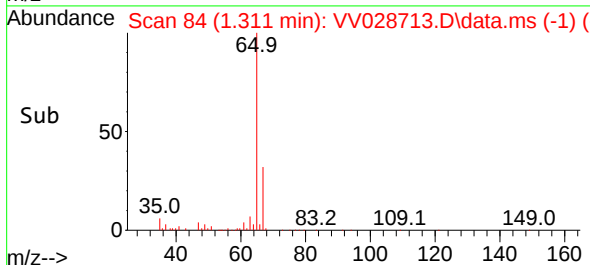
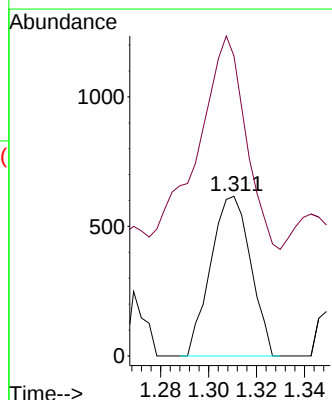
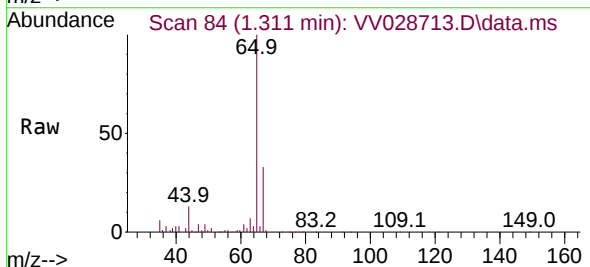
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BHA82

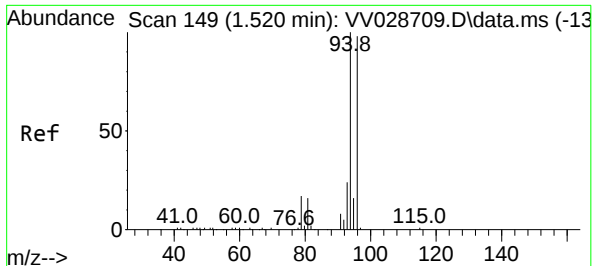
Tgt Ion: 50 Resp: 3804
Ion Ratio Lower Upper
50 100
52 34.3 21.8 40.6



#5
Vinyl chloride
Concen: 0.051 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

Tgt Ion: 62 Resp: 715
Ion Ratio Lower Upper
62 100
64 188.0 22.0 41.0#

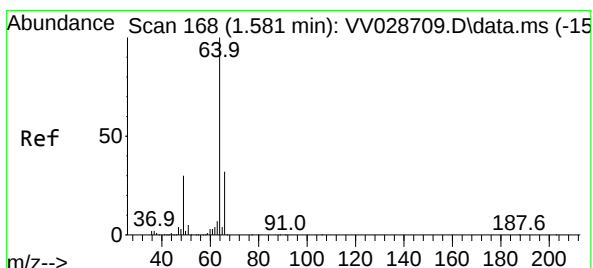
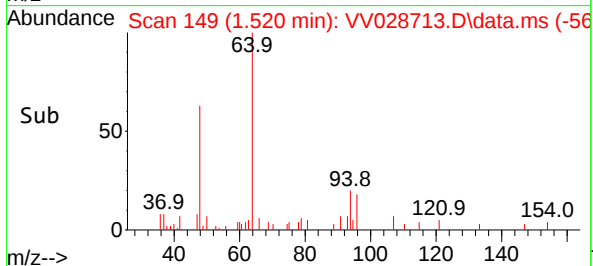
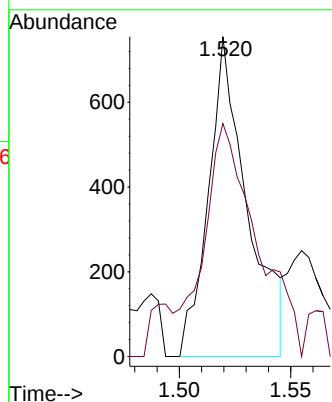
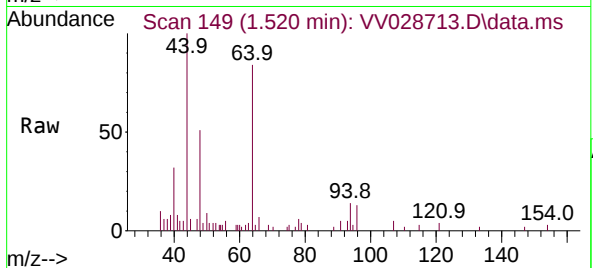




#6
Bromomethane
Concen: 0.136 ug/L
RT: 1.520 min Scan# 149
Delta R.T. 0.000 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

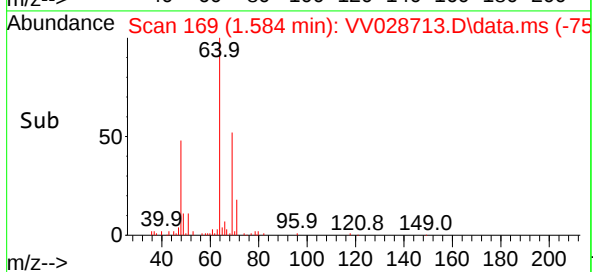
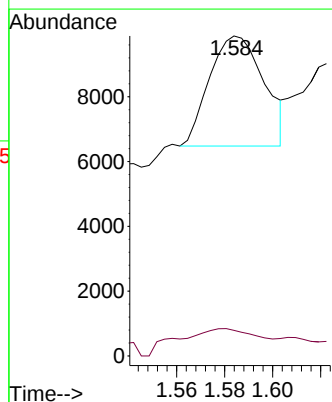
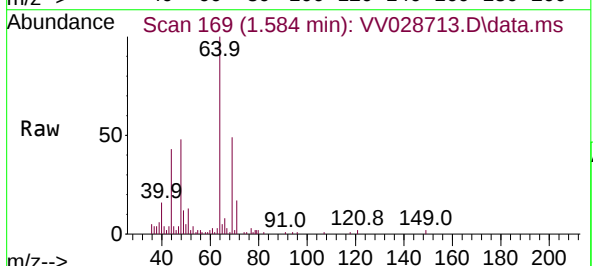
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MSVOA_V
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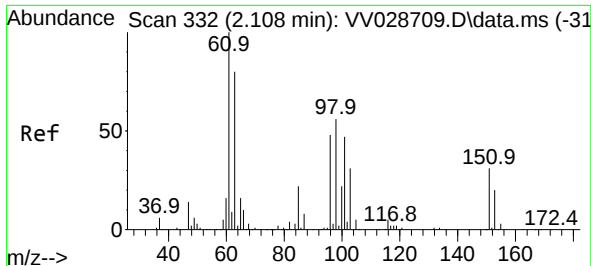
Tgt Ion: 94 Resp: 916
Ion Ratio Lower Upper
94 100
96 72.8 64.3 119.3



#8
Chloroethane
Concen: 0.562 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.003 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

Tgt Ion: 64 Resp: 5372
Ion Ratio Lower Upper
64 100
66 8.0 23.9 44.5#

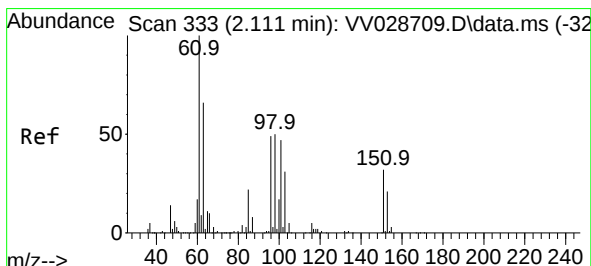
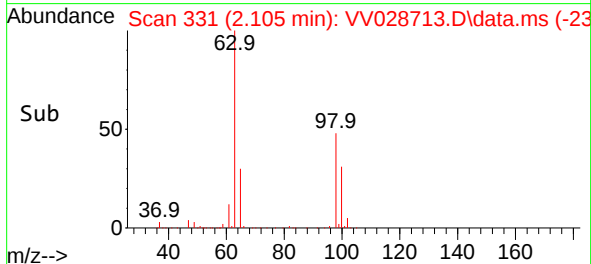
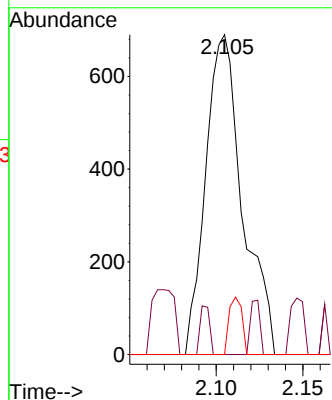
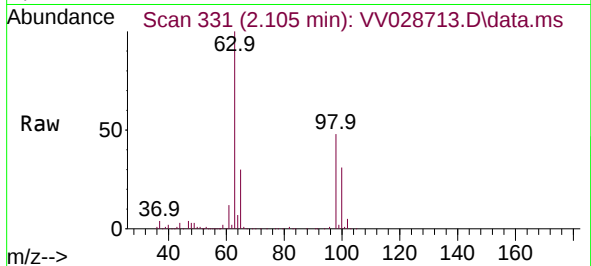




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.092 ug/L
 RT: 2.105 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV028713.D
 Acq: 27 Oct 2022 12:23

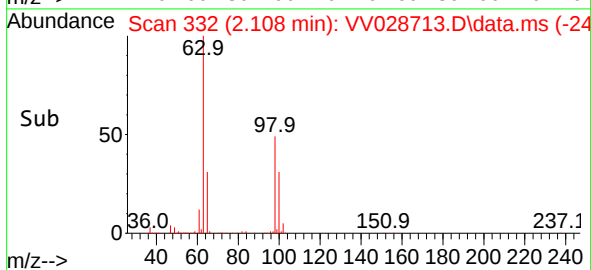
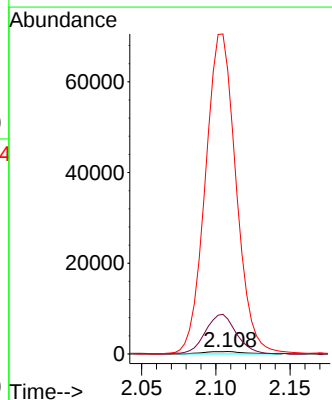
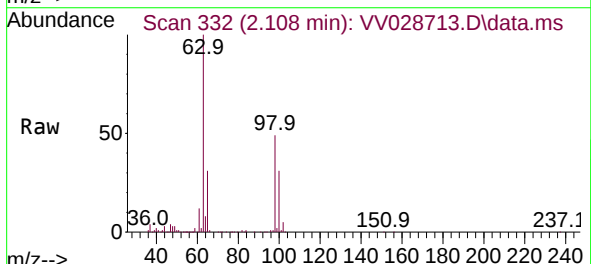
Instrument :
 MSVOA_V
 ClientSampleId :
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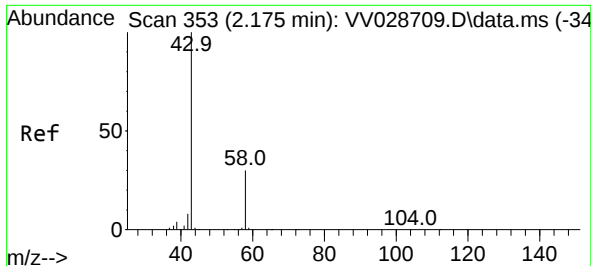
Tgt Ion:101 Resp: 1023
 Ion Ratio Lower Upper
 101 100
 85 3.9 37.0 55.6#
 151 6.3 50.2 75.2#



#12
 1,1-Dichloroethene
 Concen: 0.103 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.003 min
 Lab File: VV028713.D
 Acq: 27 Oct 2022 12:23

Tgt Ion: 96 Resp: 1021
 Ion Ratio Lower Upper
 96 100
 61 1441.4 148.1 275.1#
 63 11685.1 133.3 247.7#





#13

Acetone

Concen: 5.761 ug/L

RT: 2.175 min Scan# 353

Delta R.T. 0.000 min

Lab File: VV028713.D

Acq: 27 Oct 2022 12:23

Instrument :

MSVOA_V

ClientSampleId :

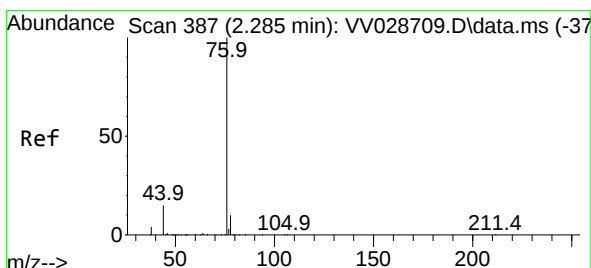
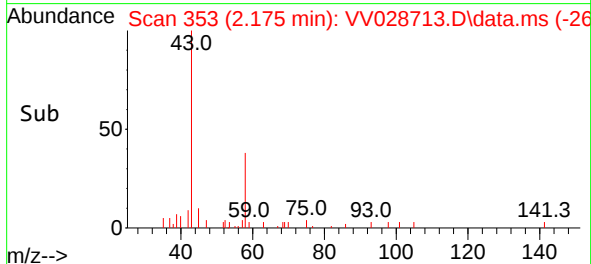
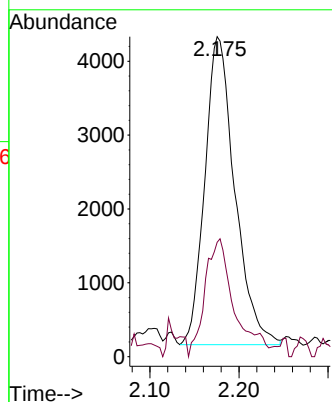
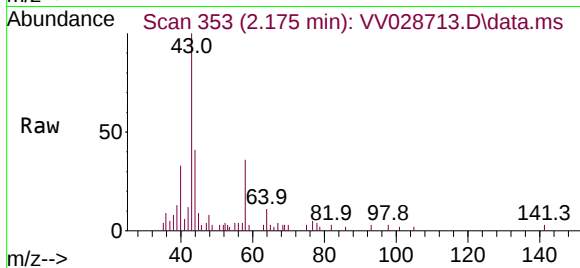
BHA82

Tgt Ion: 43 Resp: 9737

Ion Ratio Lower Upper

43 100

58 37.6 0.0 50.2



#14

Carbon disulfide

Concen: 0.124 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV028713.D

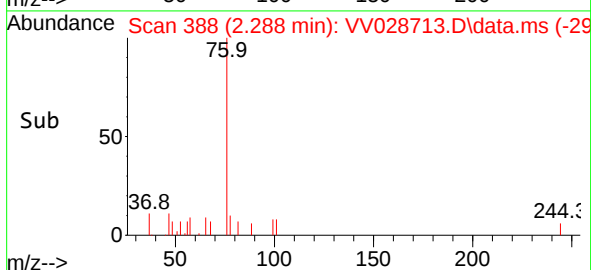
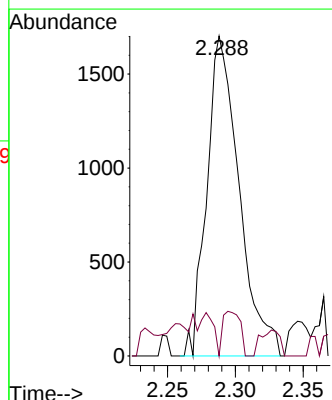
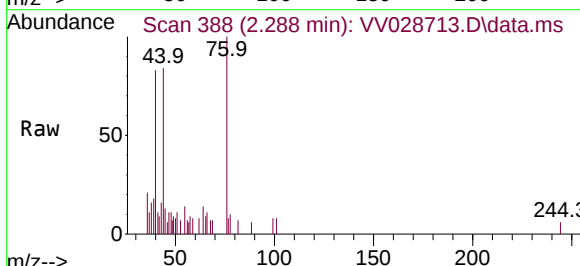
Acq: 27 Oct 2022 12:23

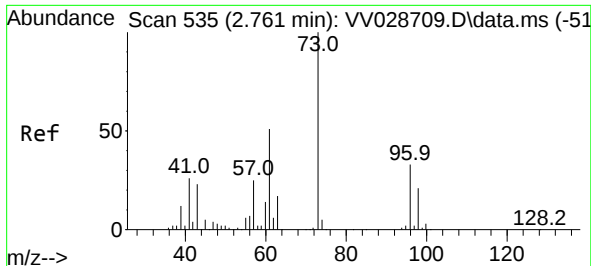
Tgt Ion: 76 Resp: 2818

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#17

Methyl tert-butyl Ether

Concen: 0.183 ug/L

RT: 2.767 min Scan# 51

Delta R.T. 0.006 min

Lab File: VV028713.D

Acq: 27 Oct 2022 12:23

Instrument :

MSVOA_V

ClientSampleId :

BHA82

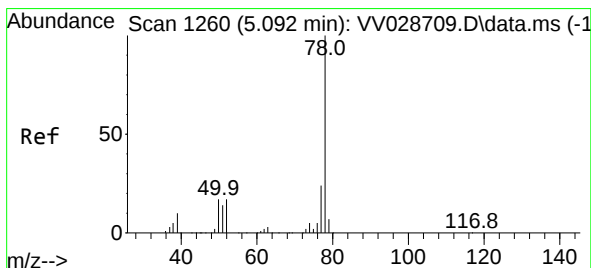
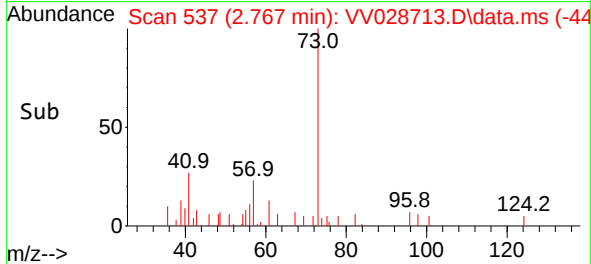
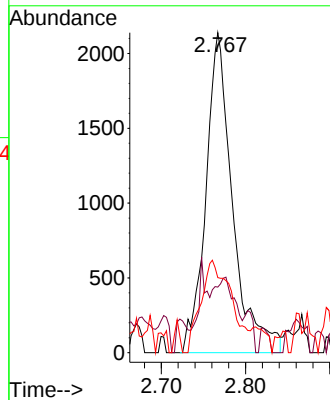
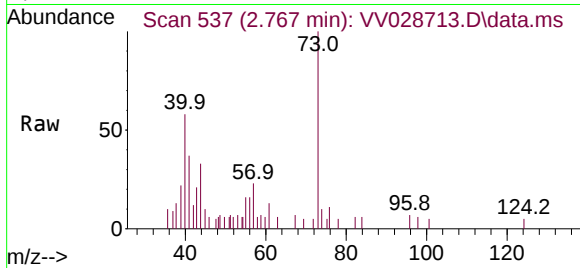
Tgt Ion: 73 Resp: 4734

Ion Ratio Lower Upper

73 100

43 19.2 18.0 27.0

57 33.3 20.0 30.0#



#33

Benzene

Concen: 0.263 ug/L

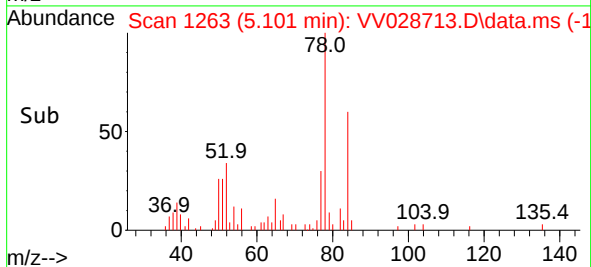
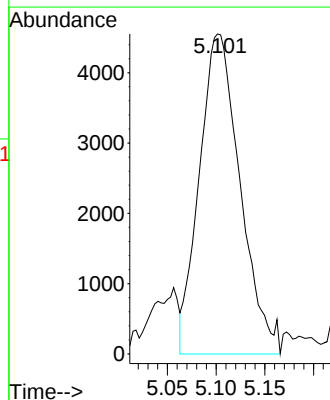
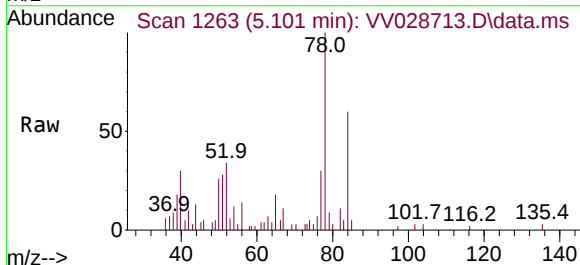
RT: 5.101 min Scan# 1263

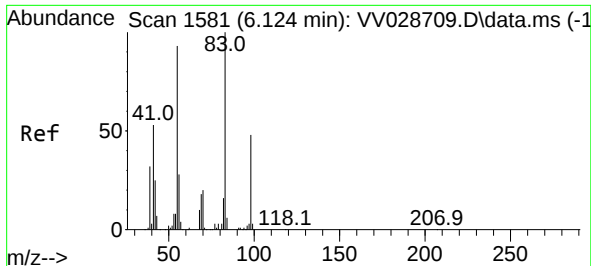
Delta R.T. 0.010 min

Lab File: VV028713.D

Acq: 27 Oct 2022 12:23

Tgt Ion: 78 Resp: 13225

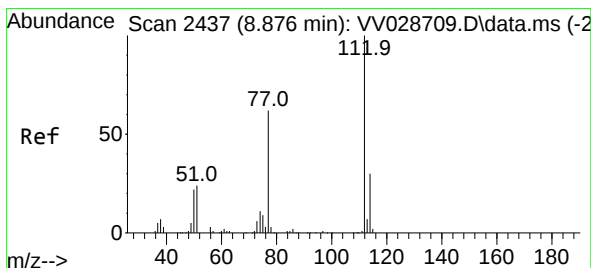
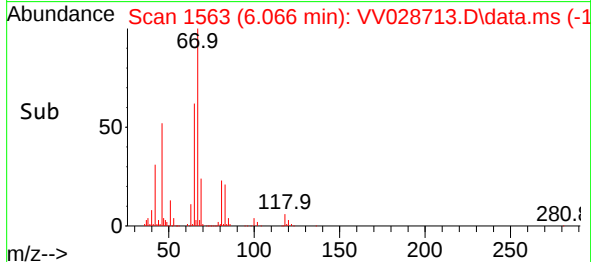
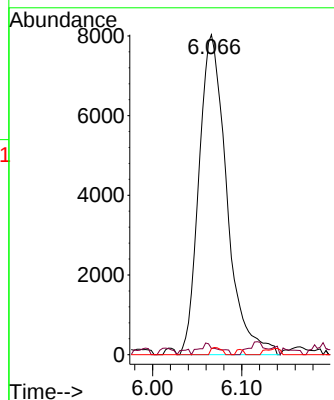
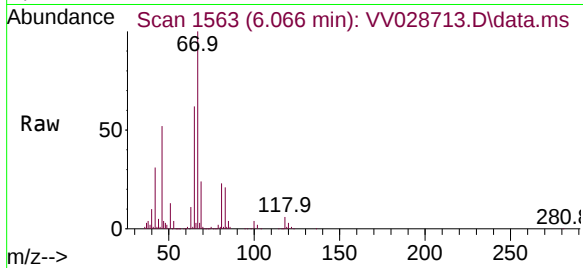




#35
Methylcyclohexane
Concen: 1.009 ug/L
RT: 6.066 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

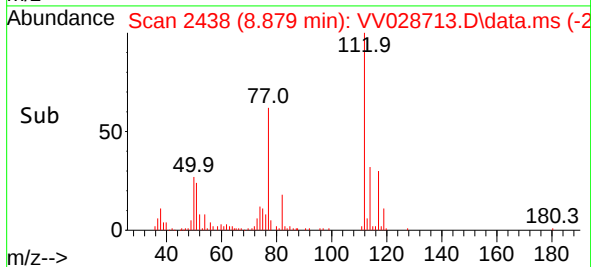
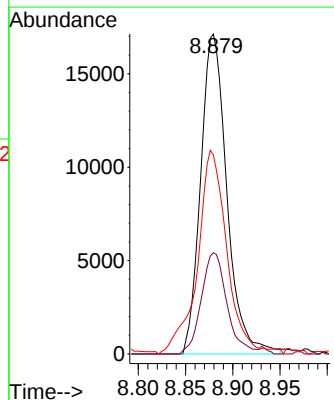
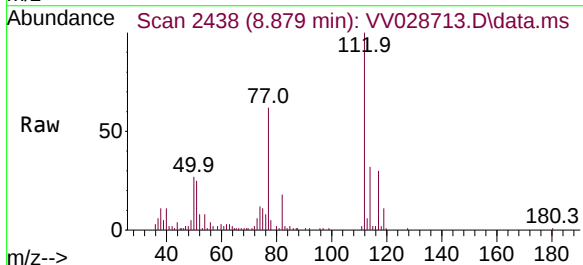
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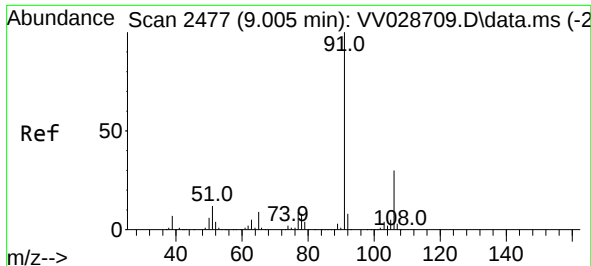
Tgt Ion: 83 Resp: 17357
Ion Ratio Lower Upper
83 100
55 2.3 70.0 105.0#
98 0.8 35.6 53.4#



#51
Chlorobenzene
Concen: 1.102 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. 0.003 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

Tgt Ion: 112 Resp: 33075
Ion Ratio Lower Upper
112 100
114 31.6 22.0 41.0
77 62.2 50.0 75.0





#52

Ethylbenzene

Concen: 0.052 ug/L

RT: 9.021 min Scan# 2477

Delta R.T. 0.016 min

Lab File: VV028713.D

Acq: 27 Oct 2022 12:23

Instrument :

MSVOA_V

ClientSampleId :

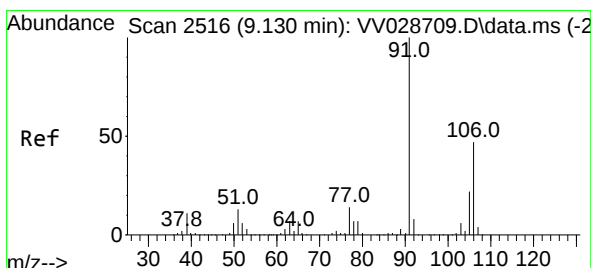
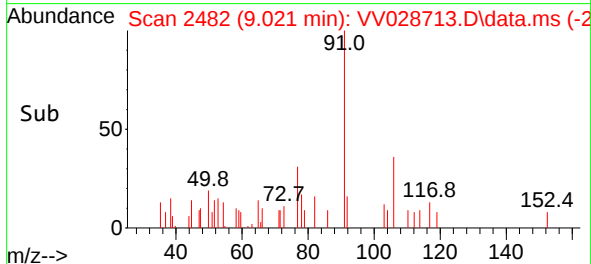
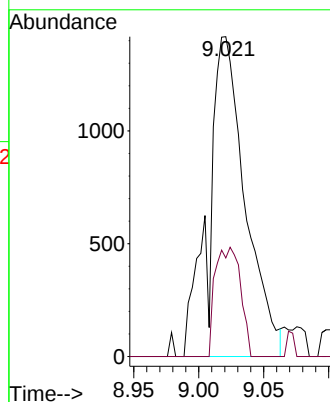
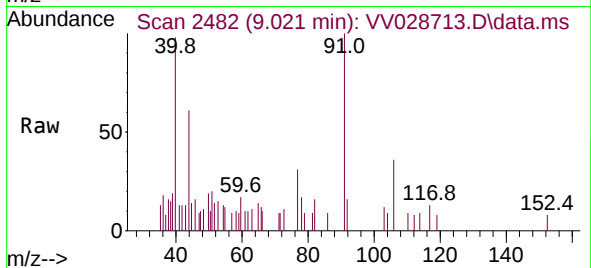
BHA82

Tgt Ion: 91 Resp: 2779

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.6



#53

m,p-Xylene

Concen: 0.192 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.016 min

Lab File: VV028713.D

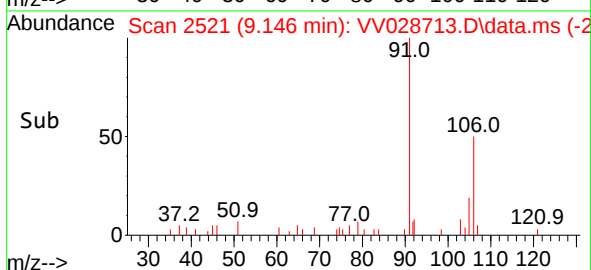
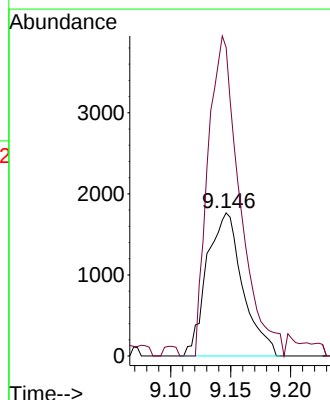
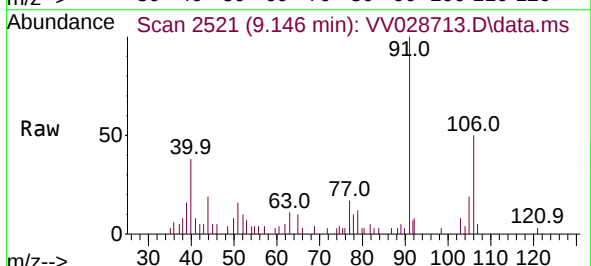
Acq: 27 Oct 2022 12:23

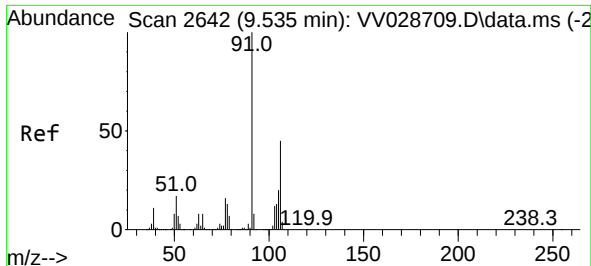
Tgt Ion: 106 Resp: 3668

Ion Ratio Lower Upper

106 100

91 215.8 145.5 270.1

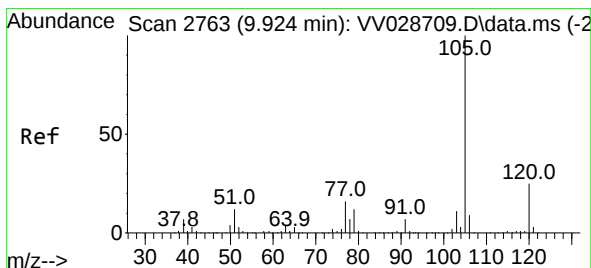
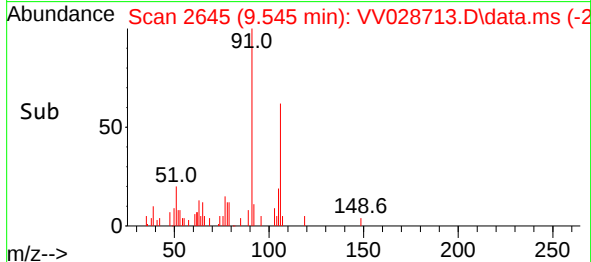
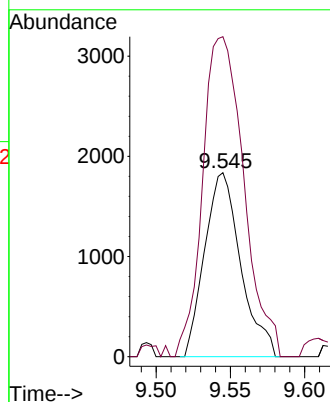
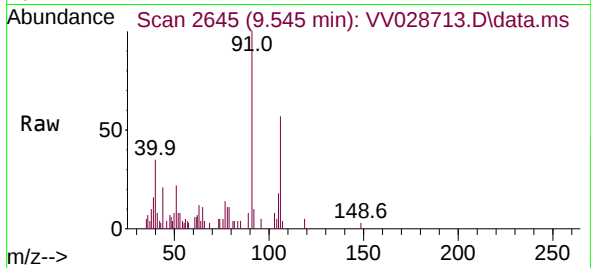




#54
o-Xylene
Concen: 0.161 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.010 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

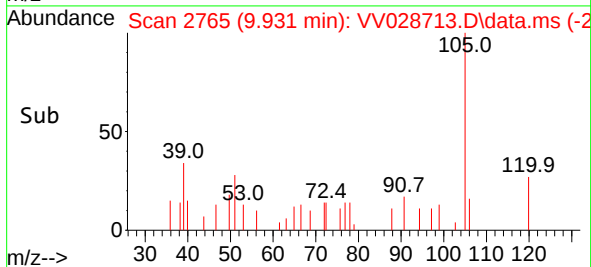
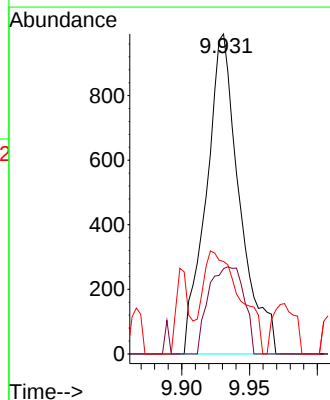
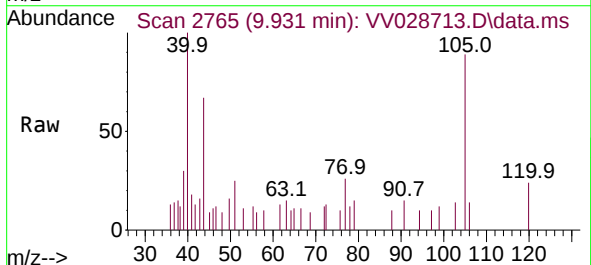
Instrument :
MSVOA_V
ClientSampleId :
BHA82

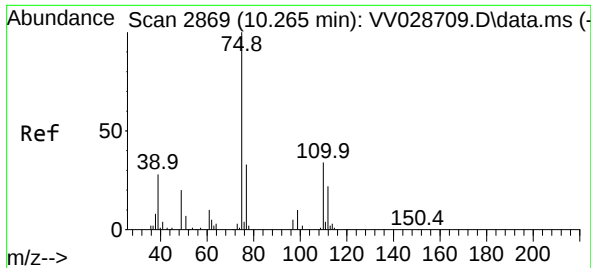
Tgt Ion:106 Resp: 3101
Ion Ratio Lower Upper
106 100
91 173.9 159.0 295.4



#60
Isopropylbenzene
Concen: 0.037 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.006 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

Tgt Ion:105 Resp: 1694
Ion Ratio Lower Upper
105 100
120 28.7 20.1 30.1
77 0.0 13.4 20.0#

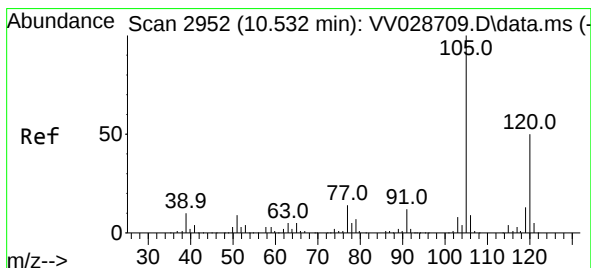
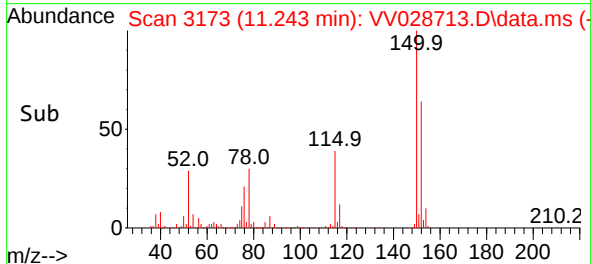
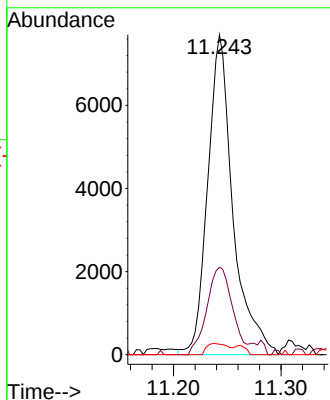
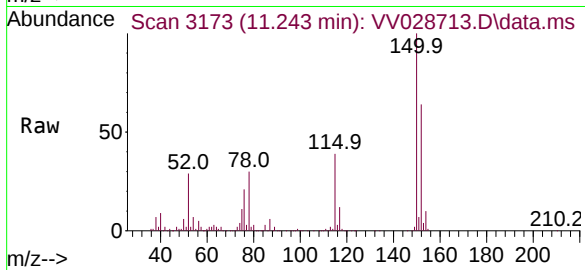




#61
1,2,3-Trichloropropane
Concen: 1.990 ug/L
RT: 11.243 min Scan# 311
Delta R.T. 0.977 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

Instrument :
MSVOA_V
ClientSampleId :
BHA82

Tgt Ion: 75 Resp: 12526
Ion Ratio Lower Upper
75 100
77 28.0 25.2 37.8
110 3.1 27.9 41.9#



#62
1,3,5-Trimethylbenzene
Concen: 0.039 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. -0.051 min
Lab File: VV028713.D
Acq: 27 Oct 2022 12:23

Tgt Ion: 105 Resp: 527
Ion Ratio Lower Upper
105 100
120 43.1 38.3 57.5

