

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102822\
 Data File : VW028767.D
 Acq On : 28 Oct 2022 19:47
 Operator : SY/MD
 Sample : N5320-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHAB4

Quant Time: Oct 28 21:56:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 21:50:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	183596	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	170327	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	76652	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	40064	3.138	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.800%
7) Chloroethane-d5	1.564	69	43622	4.040	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	2.104	63	65068	2.634	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.600%#
20) 2-Butanone-d5	3.892	46	170256	58.476	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.960%
24) Chloroform-d	4.342	84	93271	4.207	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	5.030	65	50954	4.529	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.046	84	175899	3.862	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.200%
36) 1,2-Dichloropropane-d6	6.066	67	65820	4.565	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.313	98	137443	3.867	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.400%
43) trans-1,3-Dichloroprop...	7.625	79	14058	3.138	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.800%
46) 2-Hexanone-d5	8.088	63	114986	55.142	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.280%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	47954	5.015	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	11.619	152	50170	4.745	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	695	0.048	ug/L #	69
6) Bromomethane	1.523	94	907	0.132	ug/L	83
8) Chloroethane	1.468	64	129446	13.256	ug/L #	49
14) Carbon disulfide	2.294	76	2759	0.118	ug/L #	79
17) Methyl tert-butyl Ether	2.770	73	12478	0.471	ug/L #	89
25) Chloroform	4.368	83	6087	0.255	ug/L	99
27) 1,2-Dichloroethane	5.098	62	3220	0.229	ug/L #	77
30) Cyclohexane	4.677	56	2172	0.102	ug/L #	64
33) Benzene	5.095	78	254557	5.001	ug/L	100
35) Methylcyclohexane	6.063	83	13242	0.760	ug/L #	15
51) Chlorobenzene	8.876	112	186533	6.137	ug/L	99
52) Ethylbenzene	9.017	91	5080	0.095	ug/L	89
53) m,p-Xylene	9.133	106	18703	0.966	ug/L	97
54) o-Xylene	9.541	106	14651	0.752	ug/L	96
60) Isopropylbenzene	9.927	105	17519	0.363	ug/L #	92
61) 1,2,3-Trichloropropane	11.242	75	14071	2.138	ug/L #	70
62) 1,3,5-Trimethylbenzene	10.535	105	2232	0.159	ug/L	98
63) 1,2,4-Trimethylbenzene	10.911	105	7631	0.196	ug/L	97
71) Naphthalene	13.503	128	4606	0.224	ug/L #	93

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QLast Update : Fri Oct 28 21:50:06 2022
Response via : Initial Calibration

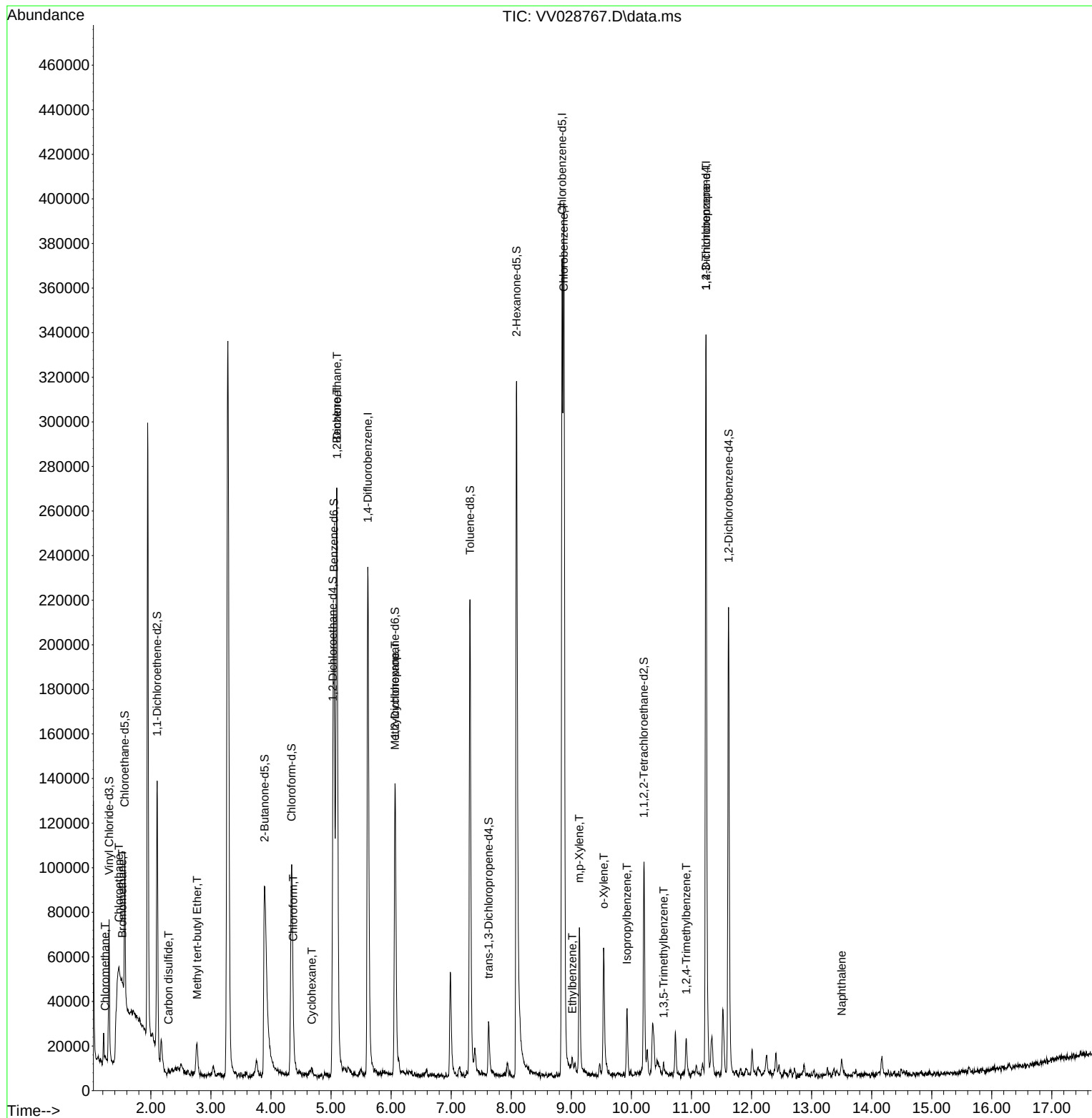
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

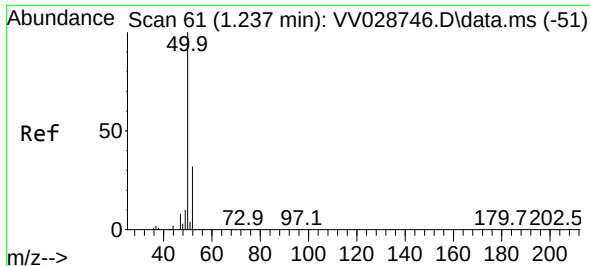
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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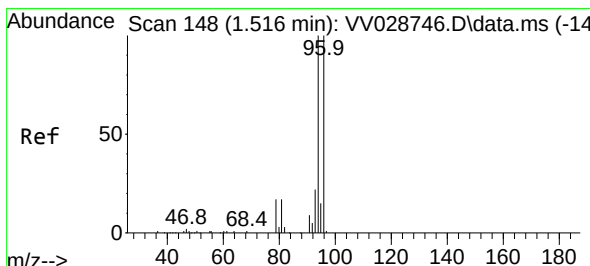
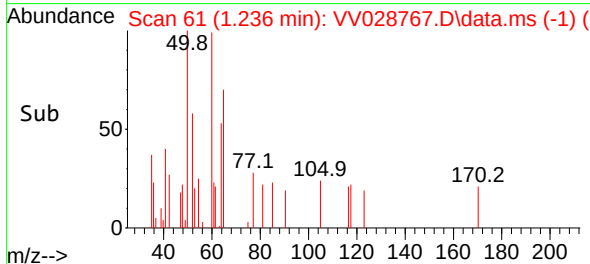
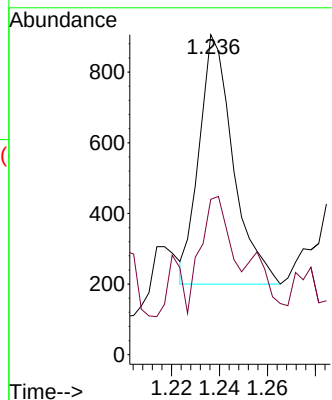
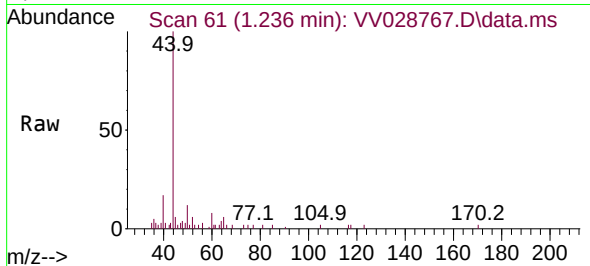




#3
Chloromethane
Concen: 0.048 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

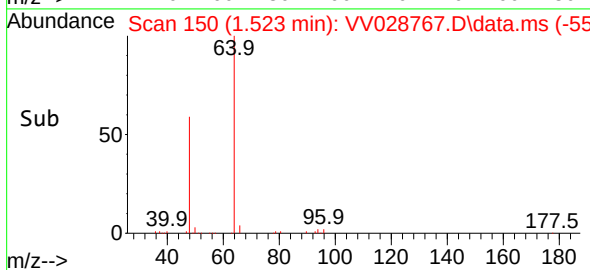
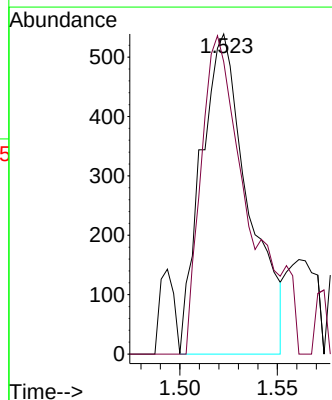
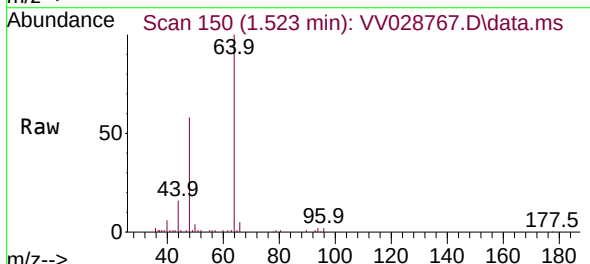
Instrument :
MSVOA_V
ClientSampleId :
BHAB4

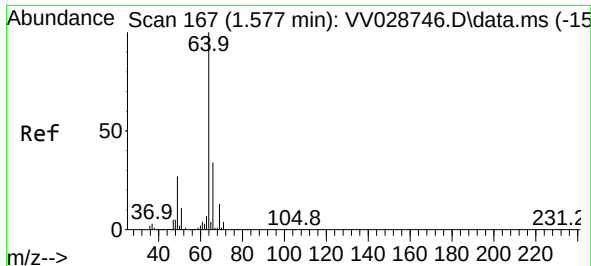
Tgt Ion: 50 Resp: 695
Ion Ratio Lower Upper
50 100
52 48.6 21.8 40.6#



#6
Bromomethane
Concen: 0.132 ug/L
RT: 1.523 min Scan# 150
Delta R.T. 0.006 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

Tgt Ion: 94 Resp: 907
Ion Ratio Lower Upper
94 100
96 76.0 64.3 119.3

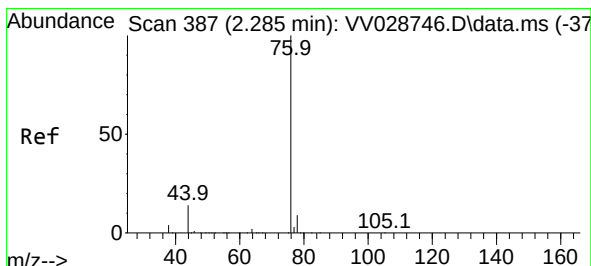
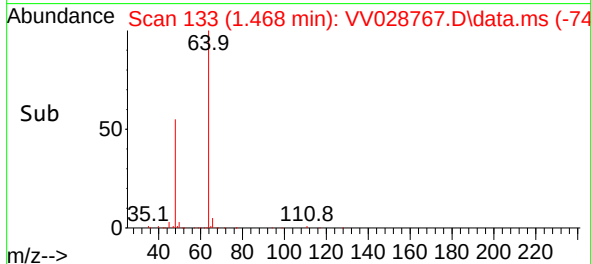
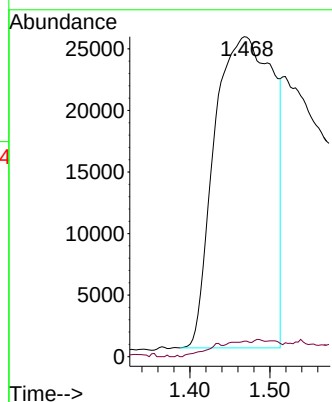
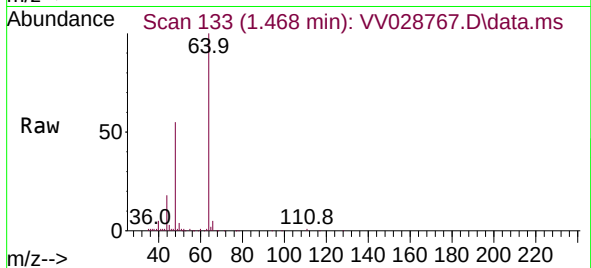




#8
Chloroethane
Concen: 13.256 ug/L
RT: 1.468 min Scan# 11
Delta R.T. -0.110 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

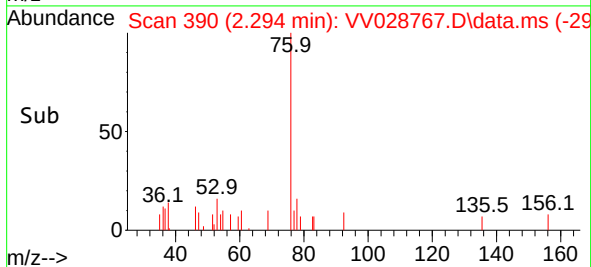
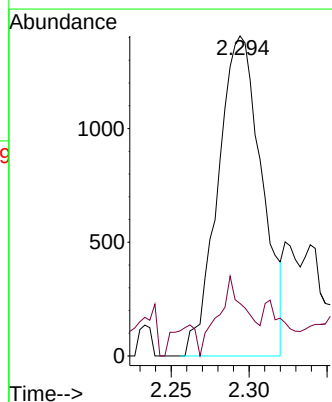
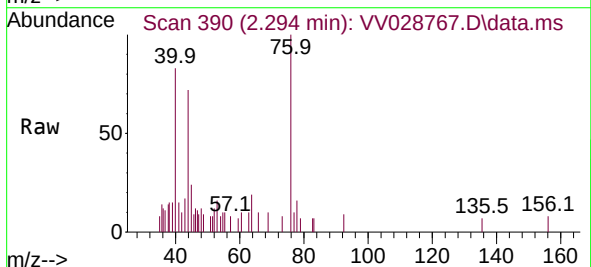
Instrument :
MSVOA_V
ClientSampleId :
BHAB4

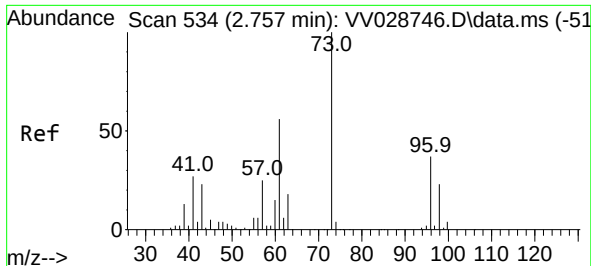
Tgt Ion: 64 Resp: 129446
Ion Ratio Lower Upper
64 100
66 4.9 23.9 44.5#



#14
Carbon disulfide
Concen: 0.118 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.009 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

Tgt Ion: 76 Resp: 2759
Ion Ratio Lower Upper
76 100
78 16.4 7.1 10.7#





#17

Methyl tert-butyl Ether

Concen: 0.471 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.013 min

Lab File: VV028767.D

Acq: 28 Oct 2022 19:47

Instrument :

MSVOA_V

ClientSampleId :

BHAB4

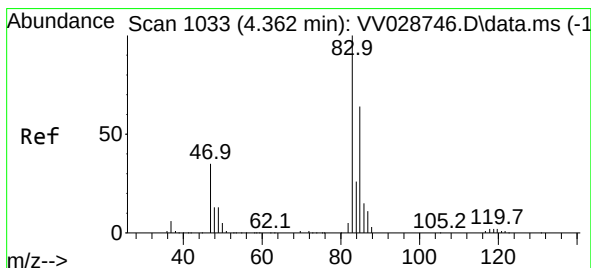
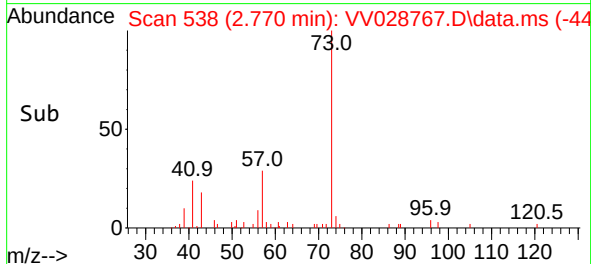
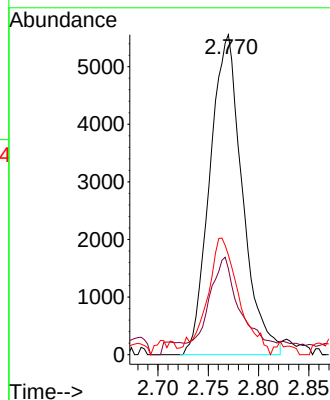
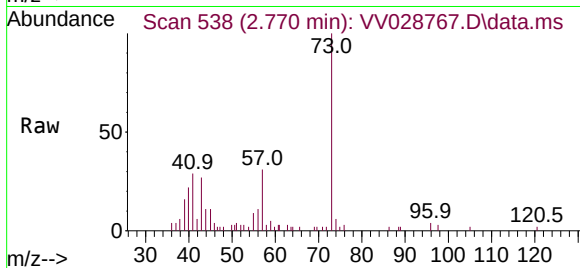
Tgt Ion: 73 Resp: 12478

Ion Ratio Lower Upper

73 100

43 22.4 18.0 27.0

57 35.8 20.0 30.0#



#25

Chloroform

Concen: 0.255 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VV028767.D

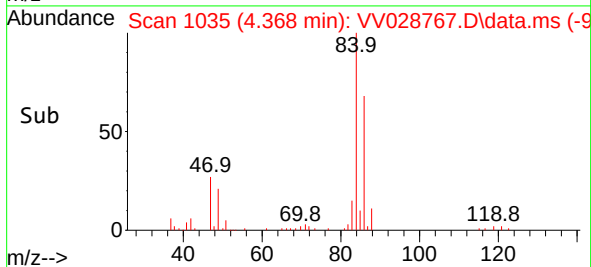
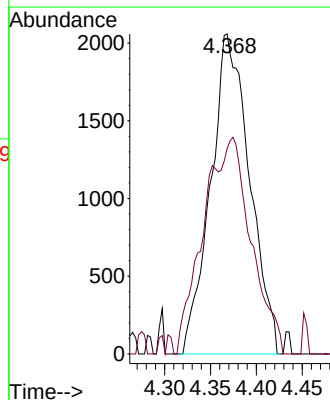
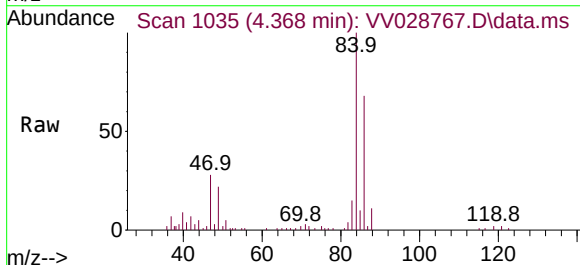
Acq: 28 Oct 2022 19:47

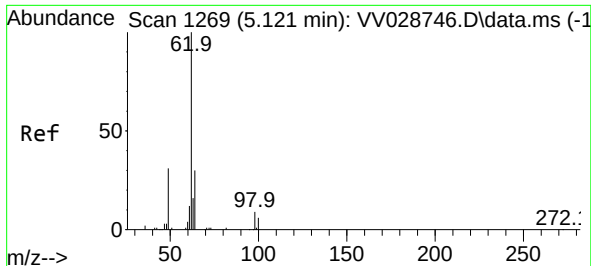
Tgt Ion: 83 Resp: 6087

Ion Ratio Lower Upper

83 100

85 64.2 44.1 81.9





#27

1,2-Dichloroethane

Concen: 0.229 ug/L

RT: 5.098 min Scan# 11

Delta R.T. -0.023 min

Lab File: VV028767.D

Acq: 28 Oct 2022 19:47

Instrument :

MSVOA_V

ClientSampleId :

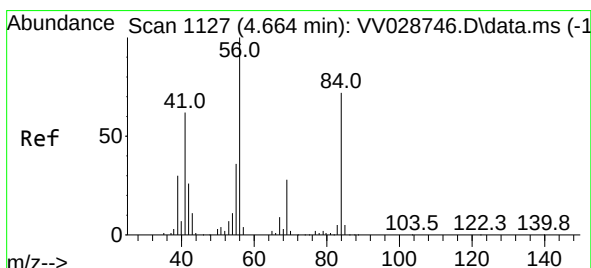
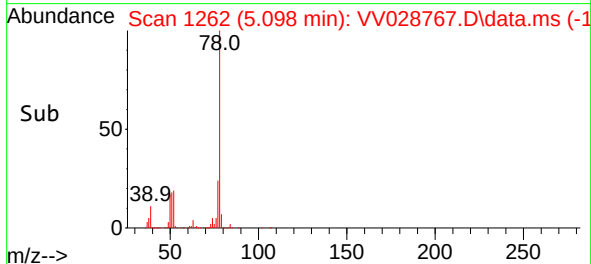
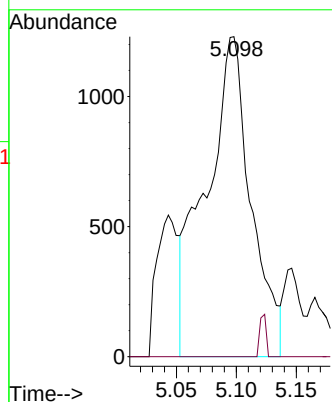
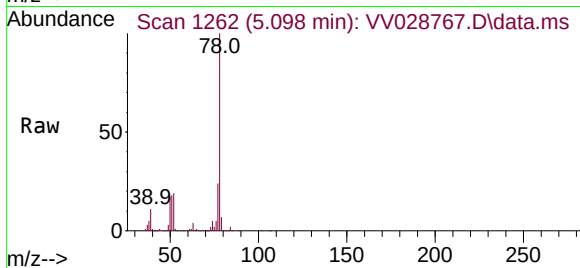
BHAB4

Tgt Ion: 62 Resp: 3220

Ion Ratio Lower Upper

62 100

98 0.0 6.6 9.8#



#30

Cyclohexane

Concen: 0.102 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.013 min

Lab File: VV028767.D

Acq: 28 Oct 2022 19:47

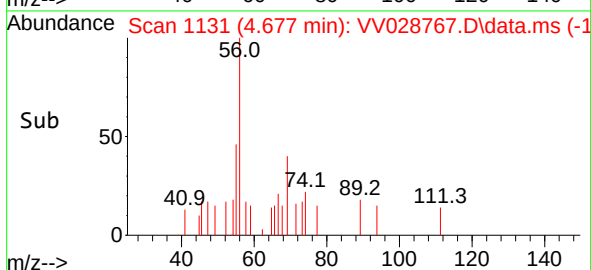
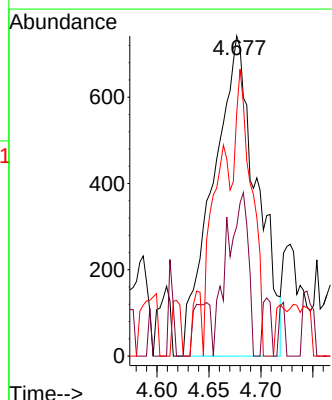
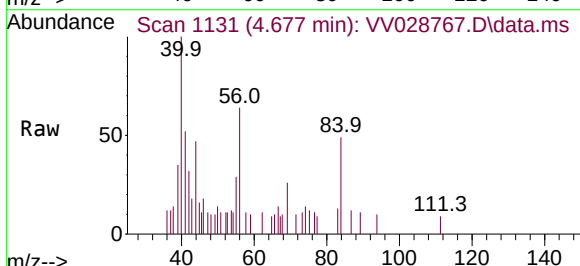
Tgt Ion: 56 Resp: 2172

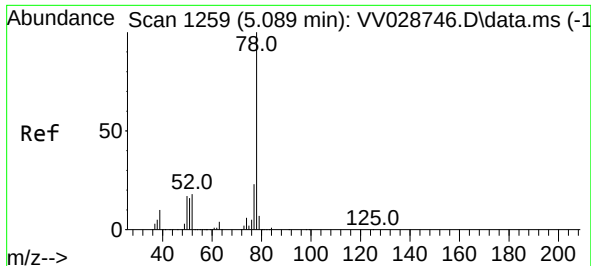
Ion Ratio Lower Upper

56 100

69 24.7 22.6 34.0

84 35.5 60.4 90.6#

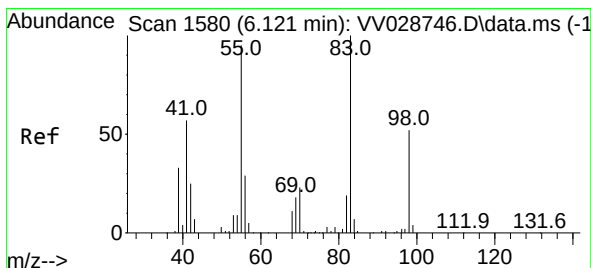
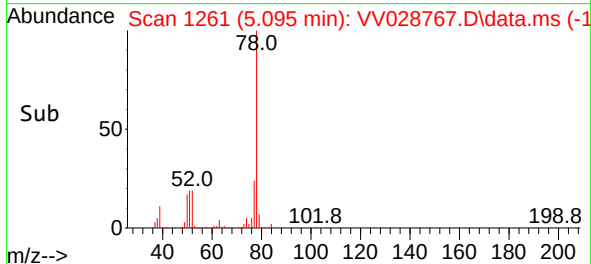
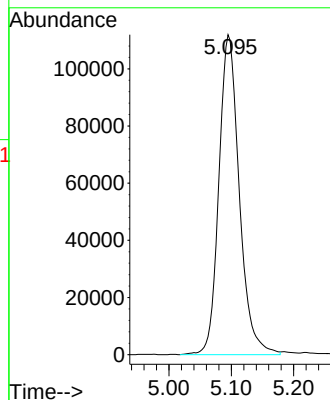
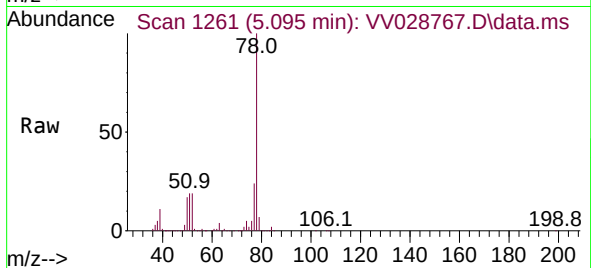




#33
Benzene
Concen: 5.001 ug/L
RT: 5.095 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

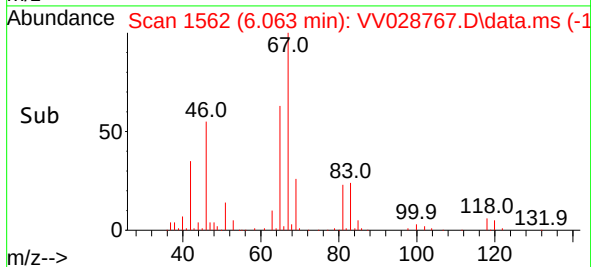
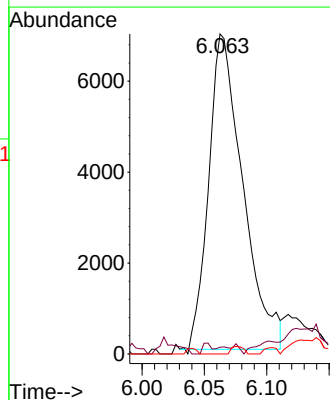
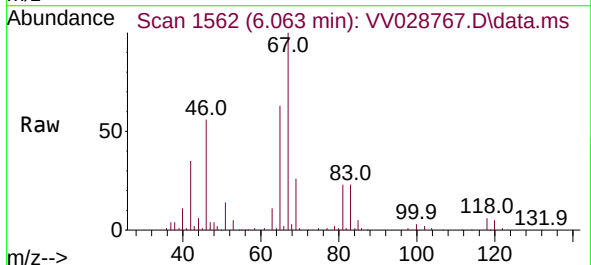
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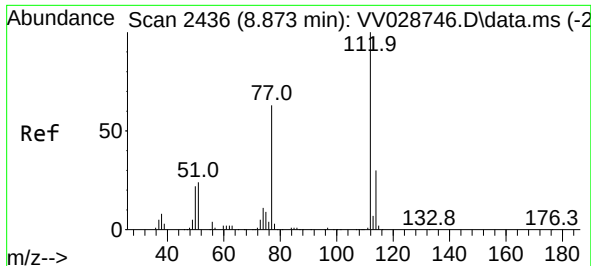
Tgt Ion: 78 Resp: 254557



#35
Methylcyclohexane
Concen: 0.760 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.058 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

Tgt Ion: 83 Resp: 13242
Ion Ratio Lower Upper
83 100
55 1.0 70.0 105.0#
98 0.5 35.6 53.4#

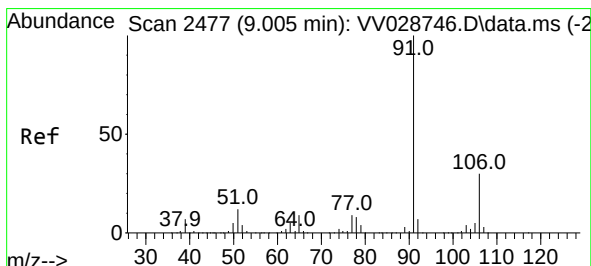
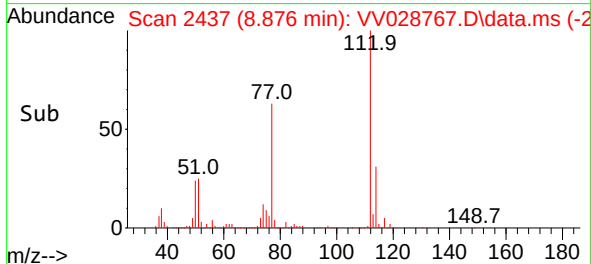
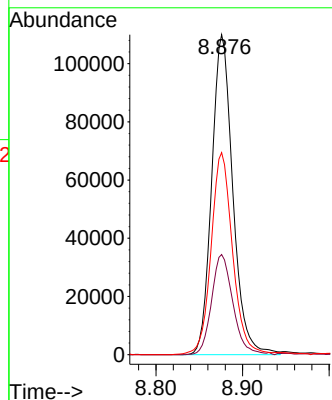
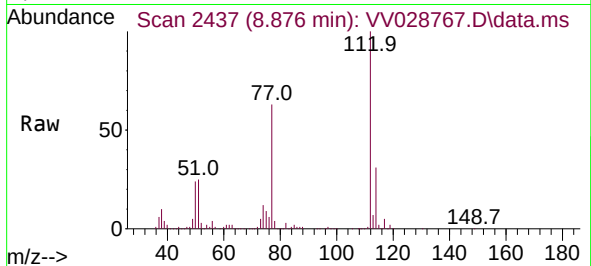




#51
Chlorobenzene
Concen: 6.137 ug/L
RT: 8.876 min Scan# 2436
Delta R.T. 0.003 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

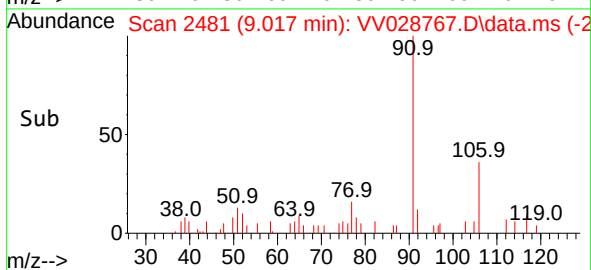
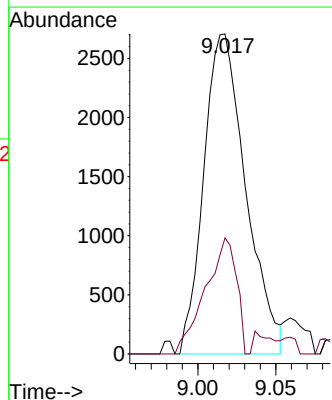
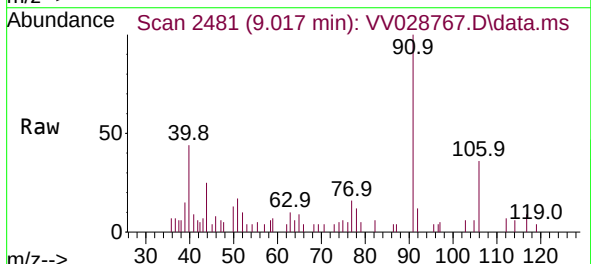
Instrument :
MSVOA_V
ClientSampleId :
BHAB4

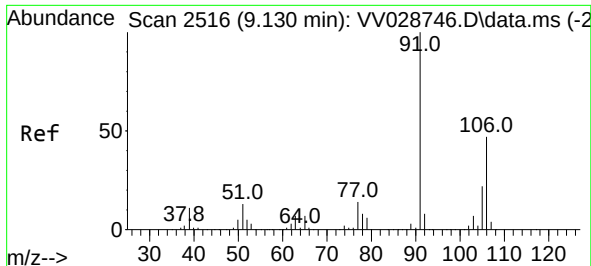
Tgt Ion:112 Resp: 186533
Ion Ratio Lower Upper
112 100
114 31.3 22.0 41.0
77 63.2 50.0 75.0



#52
Ethylbenzene
Concen: 0.095 ug/L
RT: 9.017 min Scan# 2481
Delta R.T. 0.013 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

Tgt Ion: 91 Resp: 5080
Ion Ratio Lower Upper
91 100
106 36.2 21.3 39.6

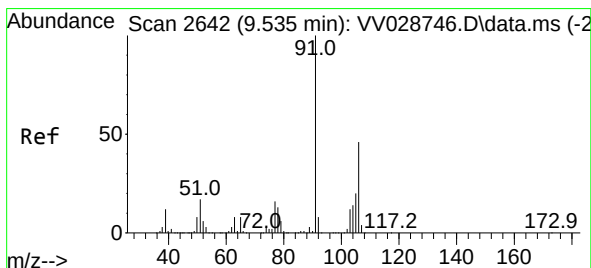
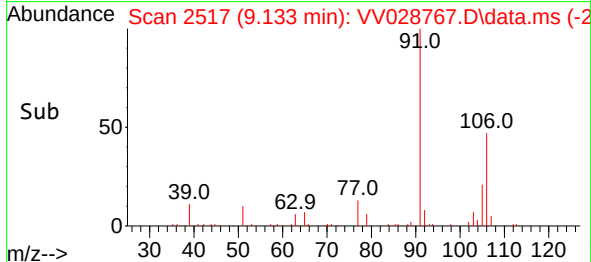
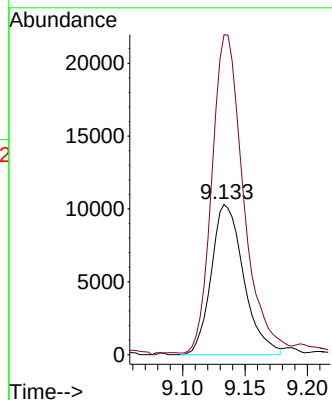
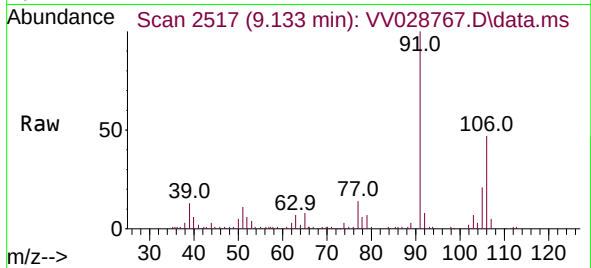




#53
m,p-Xylene
Concen: 0.966 ug/L
RT: 9.133 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

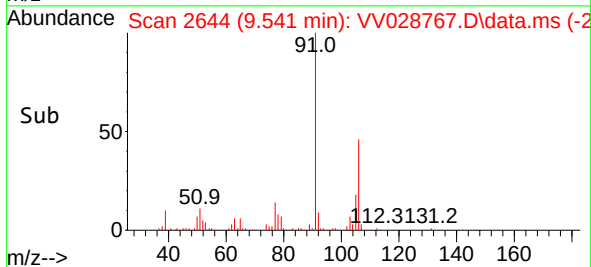
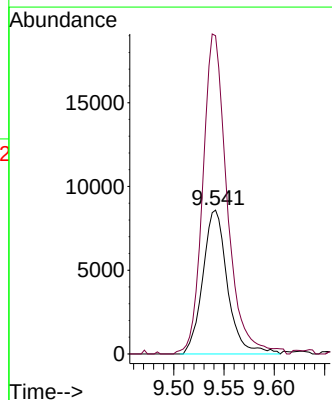
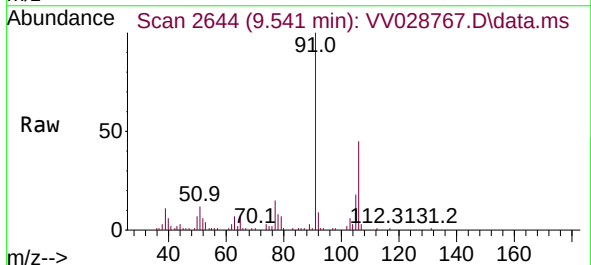
Instrument :
MSVOA_V
ClientSampleId :
BHAB4

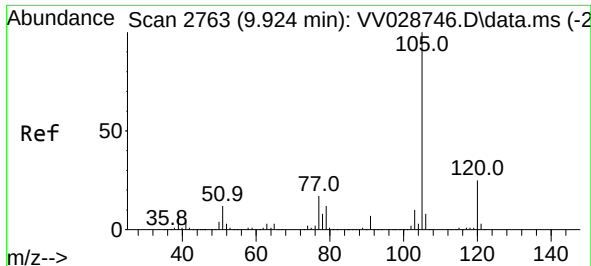
Tgt Ion:106 Resp: 18703
Ion Ratio Lower Upper
106 100
91 212.9 145.5 270.1



#54
o-Xylene
Concen: 0.752 ug/L
RT: 9.541 min Scan# 2644
Delta R.T. 0.006 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

Tgt Ion:106 Resp: 14651
Ion Ratio Lower Upper
106 100
91 221.3 159.0 295.4

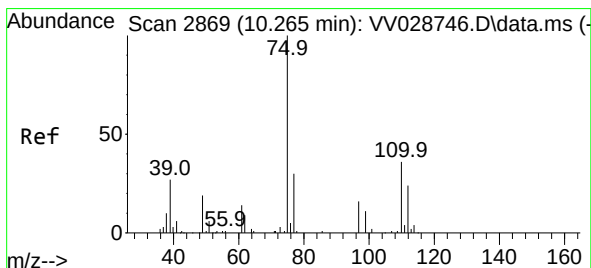
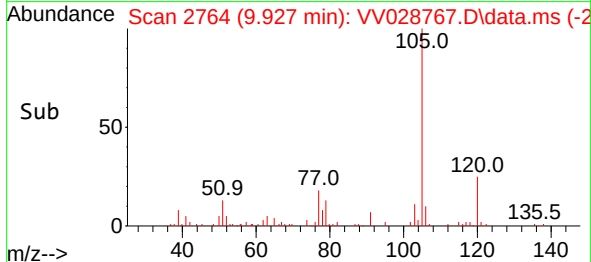
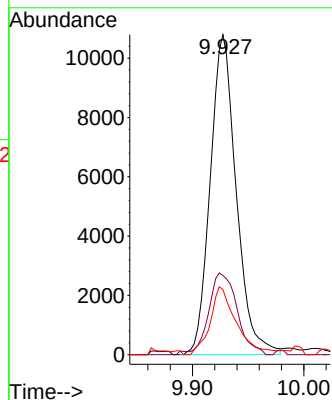
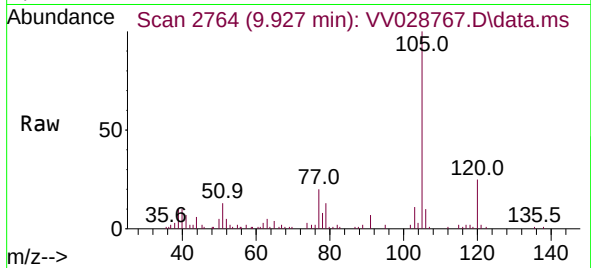




#60
Isopropylbenzene
Concen: 0.363 ug/L
RT: 9.927 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

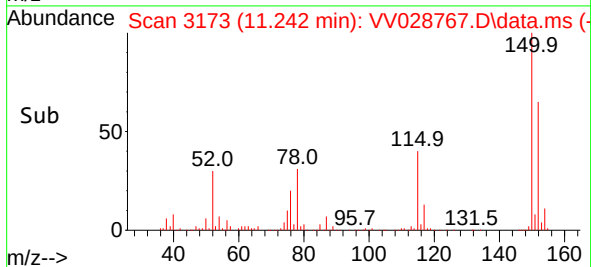
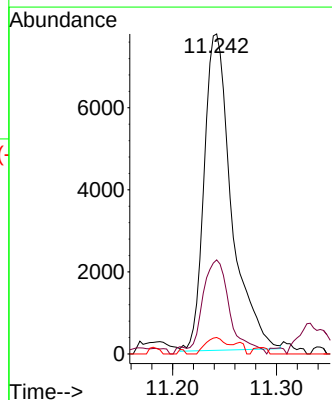
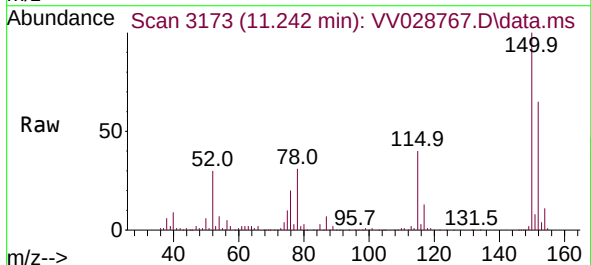
Instrument :
MSVOA_V
ClientSampleId :
BHAB4

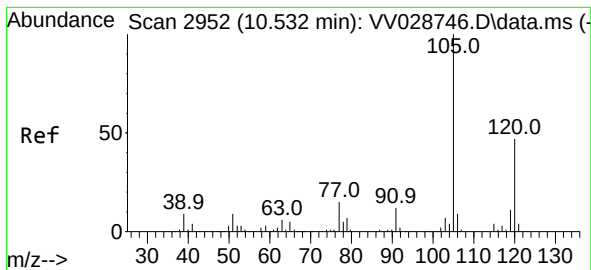
Tgt Ion:105 Resp: 17519
Ion Ratio Lower Upper
105 100
120 28.0 20.1 30.1
77 21.8 13.4 20.0#



#61
1,2,3-Trichloropropane
Concen: 2.138 ug/L
RT: 11.242 min Scan# 3173
Delta R.T. 0.977 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

Tgt Ion: 75 Resp: 14071
Ion Ratio Lower Upper
75 100
77 29.2 25.2 37.8
110 4.2 27.9 41.9#





#62

1,3,5-Trimethylbenzene

Concen: 0.159 ug/L

RT: 10.535 min Scan# 2952

Delta R.T. 0.003 min

Lab File: VV028767.D

Acq: 28 Oct 2022 19:47

Instrument :

MSVOA_V

ClientSampleId :

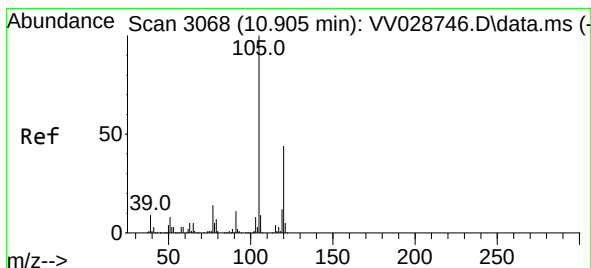
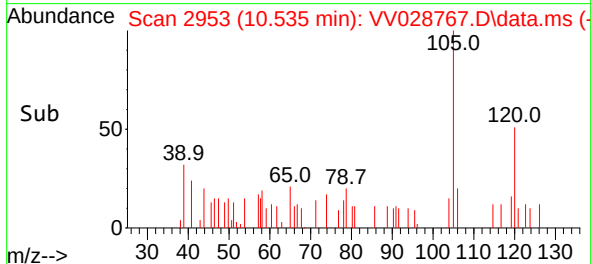
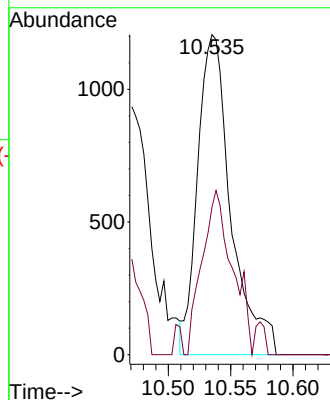
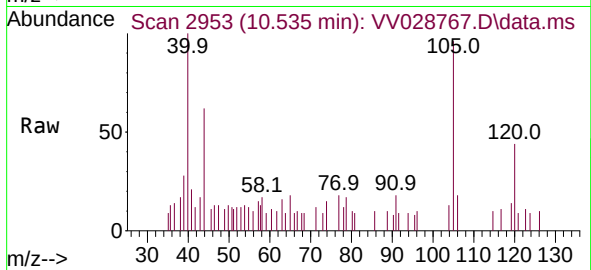
BHAB4

Tgt Ion:105 Resp: 2232

Ion Ratio Lower Upper

105 100

120 46.9 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 0.196 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.006 min

Lab File: VV028767.D

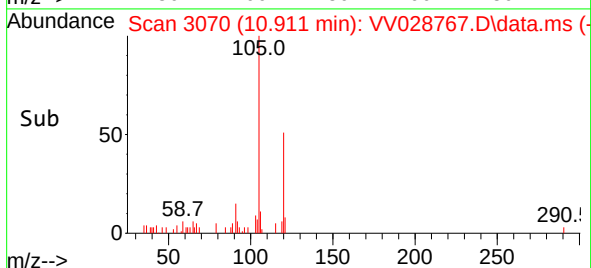
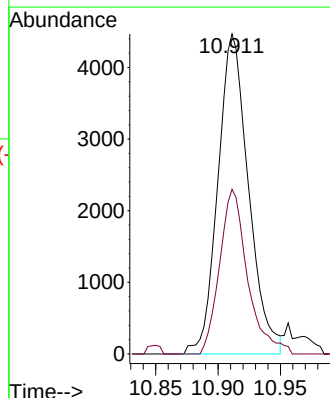
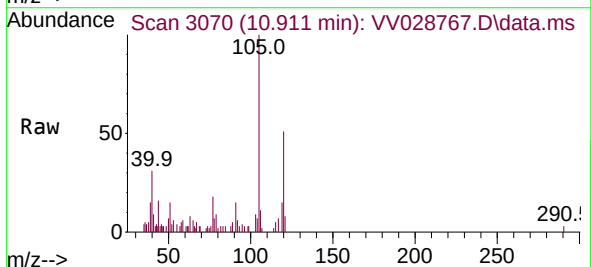
Acq: 28 Oct 2022 19:47

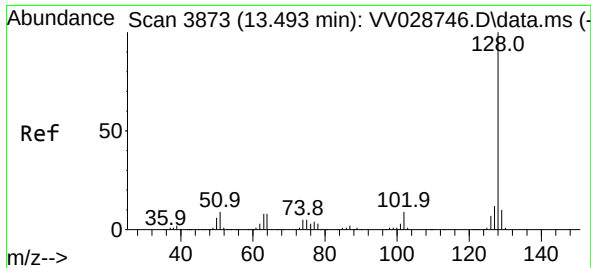
Tgt Ion:105 Resp: 7631

Ion Ratio Lower Upper

105 100

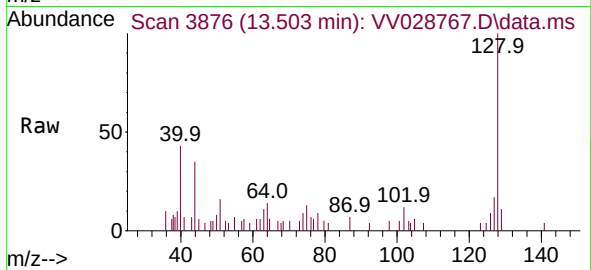
120 47.0 36.2 54.2





#71
Naphthalene
Concen: 0.224 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.009 min
Lab File: VV028767.D
Acq: 28 Oct 2022 19:47

Instrument :
MSVOA_V
ClientSampleId :
BHAB4



Tgt Ion:128 Resp: 4606
Ion Ratio Lower Upper
128 100
129 13.5 8.9 13.3#
127 15.5 10.2 15.4#

