

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102722\
 Data File : VW028725.D
 Acq On : 27 Oct 2022 17:40
 Operator : SY/MD
 Sample : VIBLK
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK303

Quant Time: Oct 28 02:19:34 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	5.612	114	264987	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	236659	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	107179	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	73515	3.989	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.800%
7) Chloroethane-d5	1.564	69	73588	4.722	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	2.105	63	121232	3.401	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.000%
20) 2-Butanone-d5	3.895	46	185382	44.114	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.220%
24) Chloroform-d	4.342	84	140496	4.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.027	65	70382	4.334	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.600%
32) Benzene-d6	5.043	84	286015	4.519	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.063	67	97647	4.874	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.400%
41) Toluene-d8	7.310	98	235400	4.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	7.622	79	19174	3.080	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.600%
46) 2-Hexanone-d5	8.088	63	138116	47.670	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.340%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	59111	4.449	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	11.619	152	73896	4.999	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1994	0.096	ug/L	89
6) Bromomethane	1.519	94	1456	0.147	ug/L	86
8) Chloroethane	1.507	64	2272	0.161	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1502	0.092	ug/L #	30
12) 1,1-Dichloroethene	2.108	96	1244	0.085	ug/L #	1
14) Carbon disulfide	2.294	76	2765	0.082	ug/L #	82
16) Methylene chloride	2.503	84	13127	0.654	ug/L	89
22) cis-1,2-Dichloroethene	3.908	96	2226	0.127	ug/L #	95
33) Benzene	5.098	78	43343	0.613	ug/L	100
35) Methylcyclohexane	6.063	83	20471	0.846	ug/L #	15
42) Toluene	7.391	91	28100	0.419	ug/L	99
51) Chlorobenzene	8.882	112	4427	0.105	ug/L	89
52) Ethylbenzene	9.014	91	19262	0.258	ug/L	100
53) m,p-Xylene	9.133	106	22400	0.832	ug/L	87
54) o-Xylene	9.542	106	1875	0.069	ug/L	73
61) 1,2,3-Trichloropropane	11.242	75	17007	1.848	ug/L #	68
62) 1,3,5-Trimethylbenzene	10.535	105	1887	0.096	ug/L	88
63) 1,2,4-Trimethylbenzene	10.911	105	7168	0.132	ug/L	93
70) 1,2,4-trichlorobenzene	13.258	180	1487	0.089	ug/L #	85

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 28 02:13:29 2022
Response via : Initial Calibration

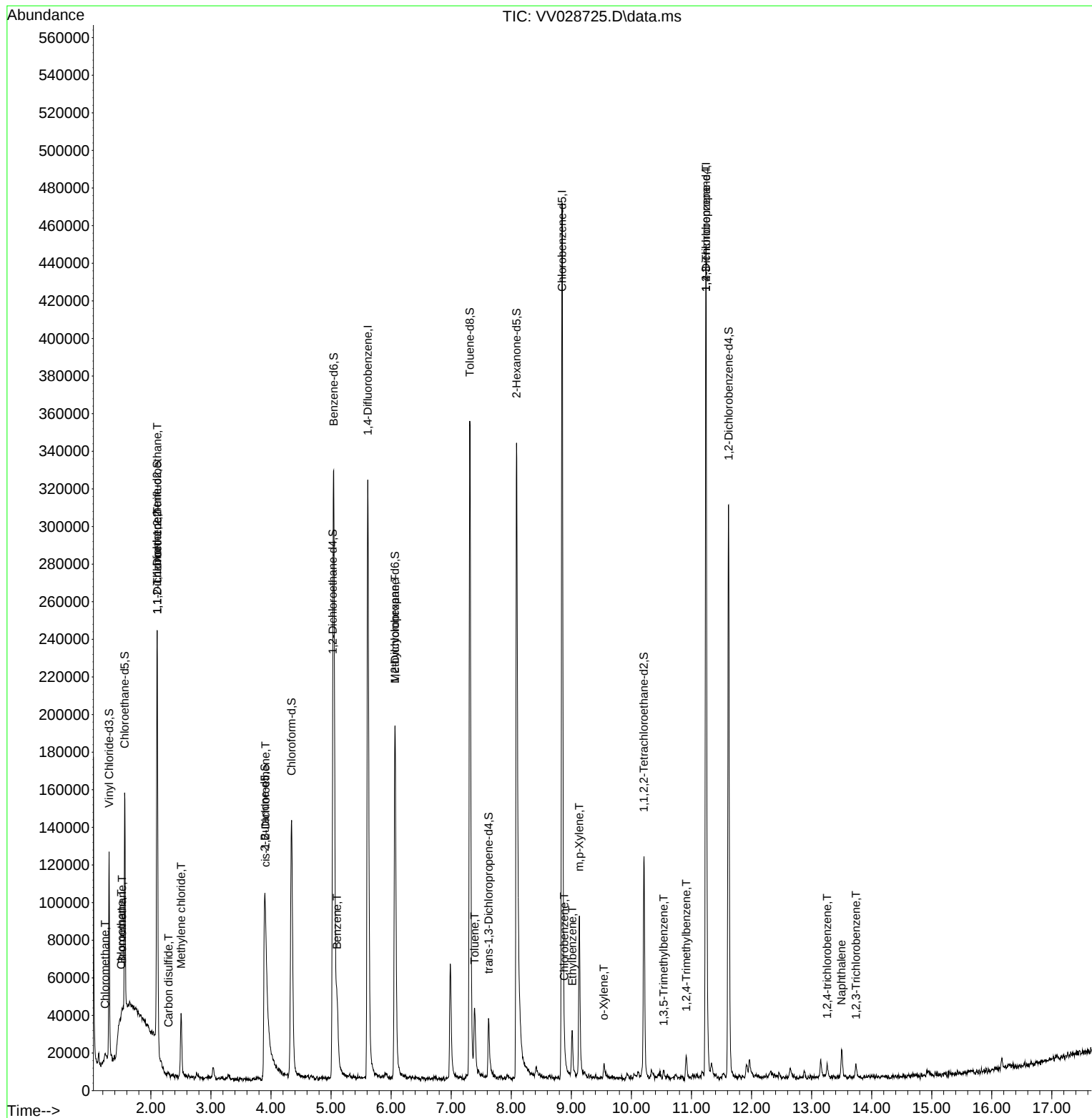
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.500	128	11295	0.392	ug/L	96
72) 1,2,3-Trichlorobenzene	13.741	180	1848	0.124	ug/L	92

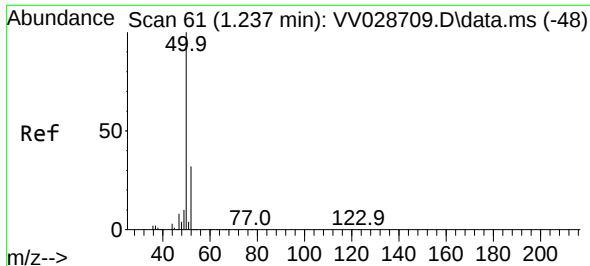
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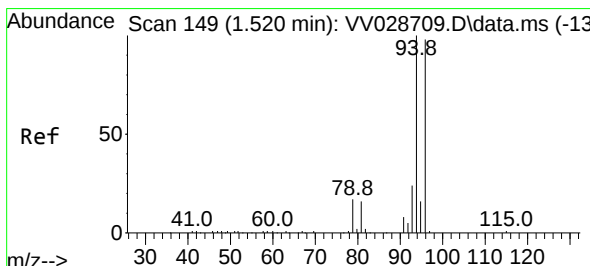
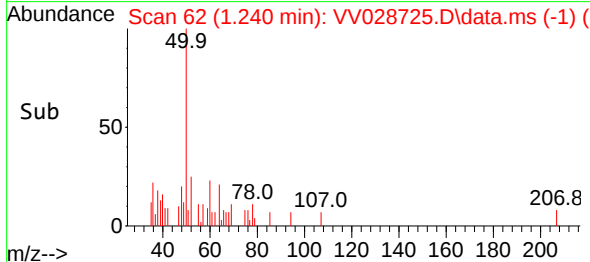
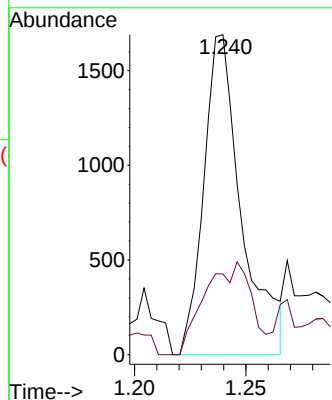
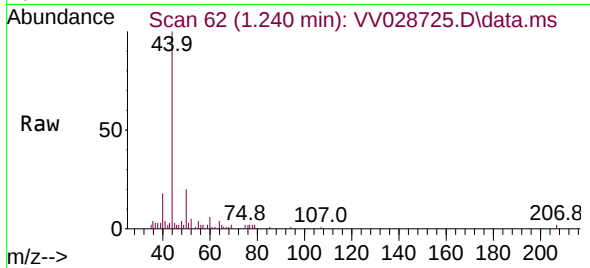




#3
Chloromethane
Concen: 0.096 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

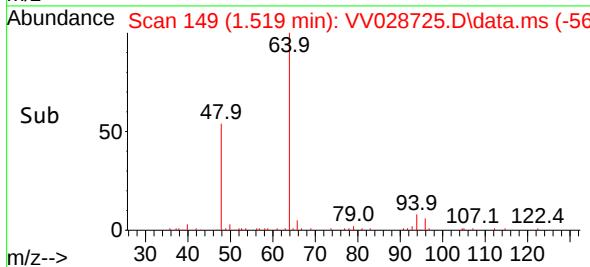
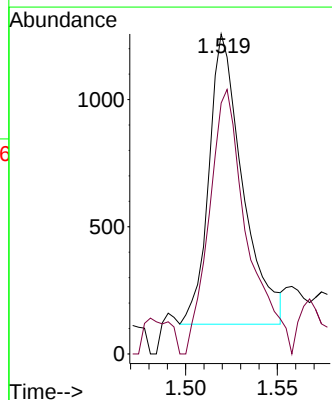
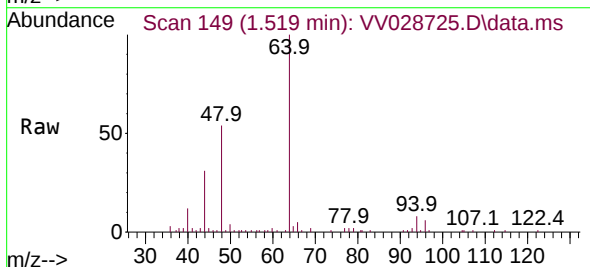
Instrument :
MSVOA_V
ClientSampleId :
VIBLK303

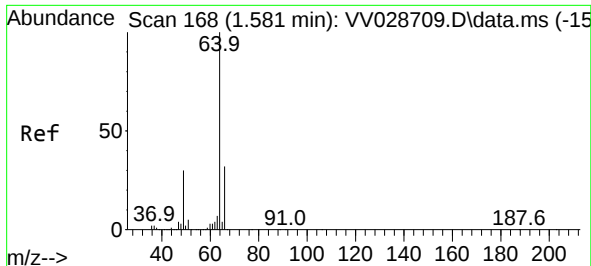
Tgt Ion: 50 Resp: 1994
Ion Ratio Lower Upper
50 100
52 25.2 21.8 40.6



#6
Bromomethane
Concen: 0.147 ug/L
RT: 1.519 min Scan# 149
Delta R.T. -0.000 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

Tgt Ion: 94 Resp: 1456
Ion Ratio Lower Upper
94 100
96 78.4 64.3 119.3





#8

Chloroethane

Concen: 0.161 ug/L

RT: 1.507 min Scan# 145

Delta R.T. -0.074 min

Lab File: VV028725.D

Acq: 27 Oct 2022 17:40

Instrument :

MSVOA_V

ClientSampleId :

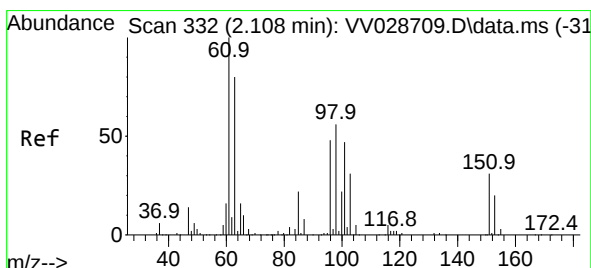
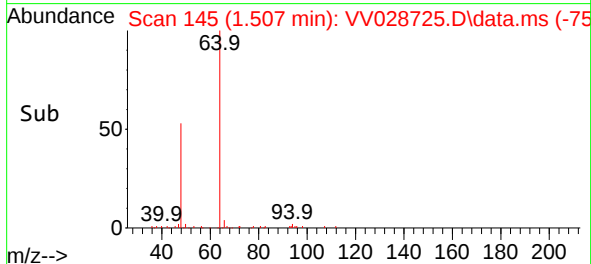
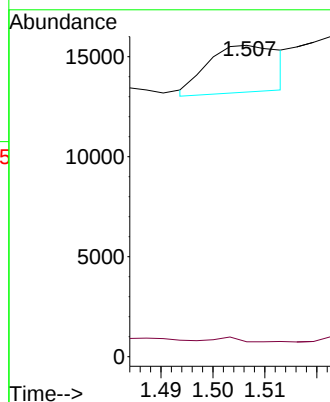
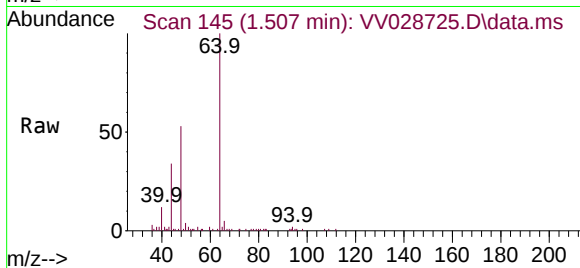
VIBLK303

Tgt Ion: 64 Resp: 2272

Ion Ratio Lower Upper

64 100

66 4.8 23.9 44.5#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.092 ug/L

RT: 2.108 min Scan# 332

Delta R.T. -0.000 min

Lab File: VV028725.D

Acq: 27 Oct 2022 17:40

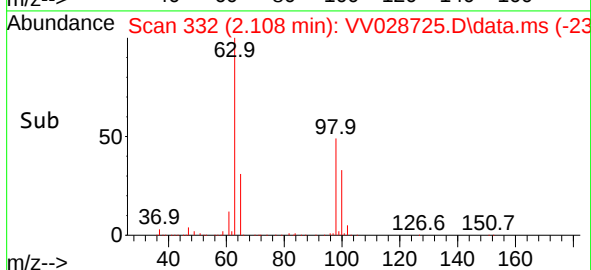
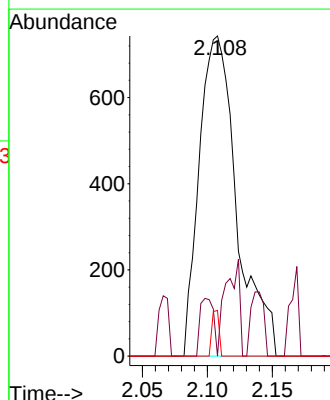
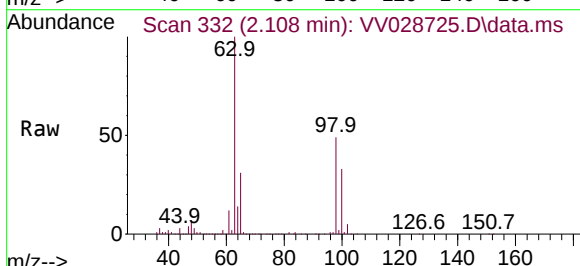
Tgt Ion: 101 Resp: 1502

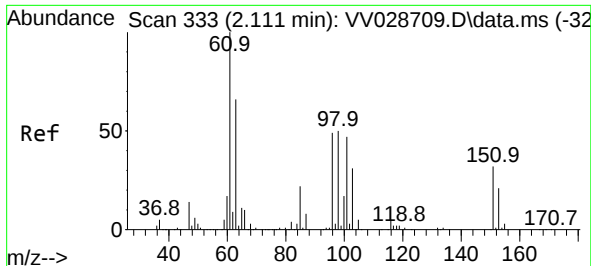
Ion Ratio Lower Upper

101 100

85 6.4 37.0 55.6#

151 2.7 50.2 75.2#





#12

1,1-Dichloroethene

Concen: 0.085 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV028725.D

Acq: 27 Oct 2022 17:40

Instrument :

MSVOA_V

ClientSampleId :

VIBLK303

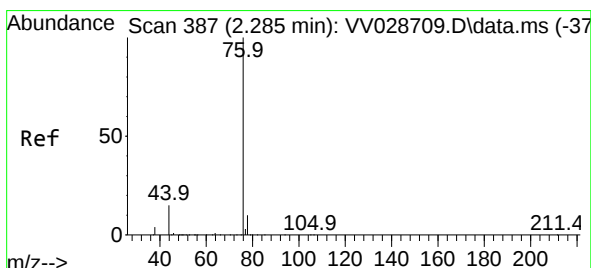
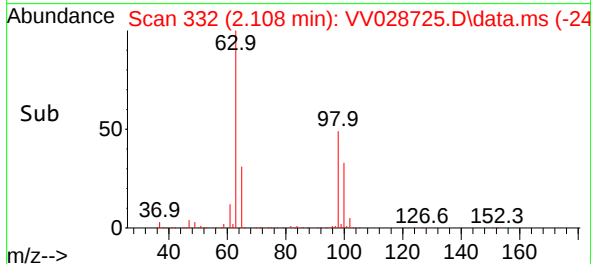
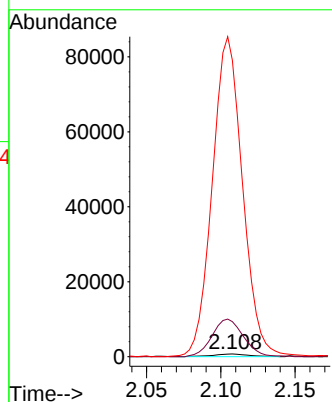
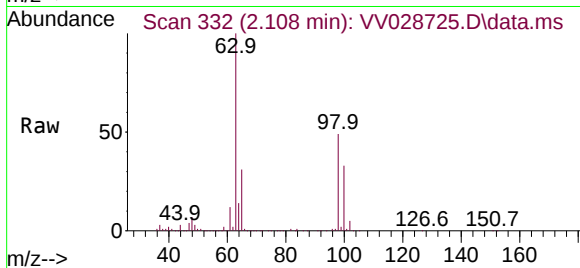
Tgt Ion: 96 Resp: 1244

Ion Ratio Lower Upper

96 100

61 1324.3 148.1 275.1#

63 11187.6 133.3 247.7#



#14

Carbon disulfide

Concen: 0.082 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.010 min

Lab File: VV028725.D

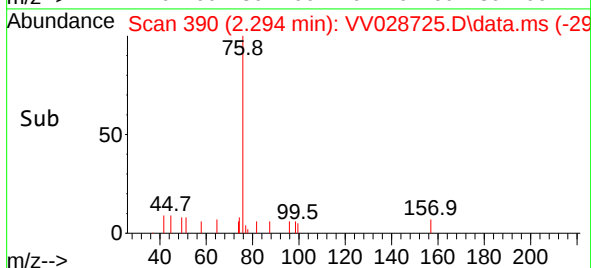
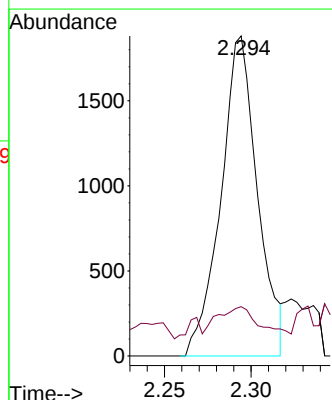
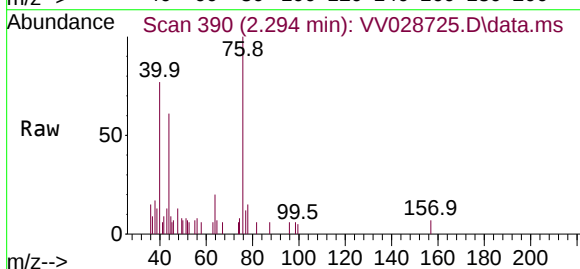
Acq: 27 Oct 2022 17:40

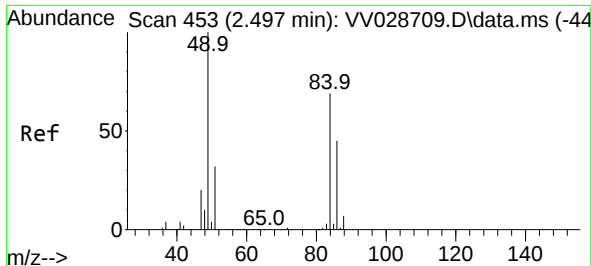
Tgt Ion: 76 Resp: 2765

Ion Ratio Lower Upper

76 100

78 15.4 7.1 10.7#

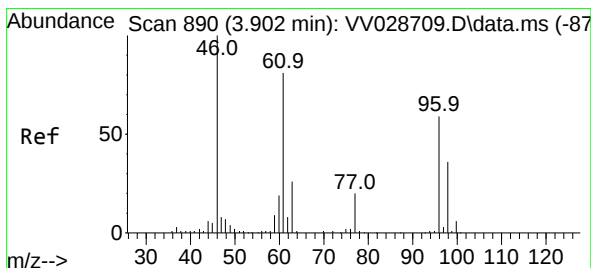
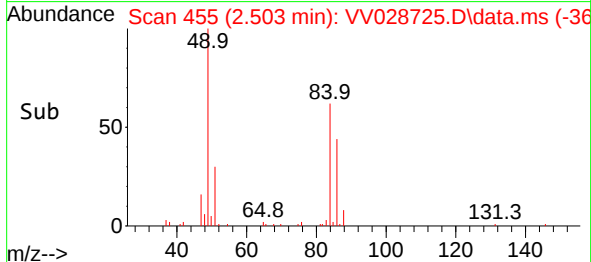
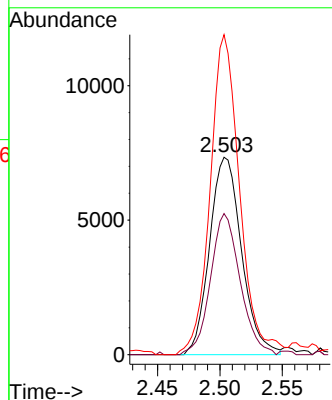
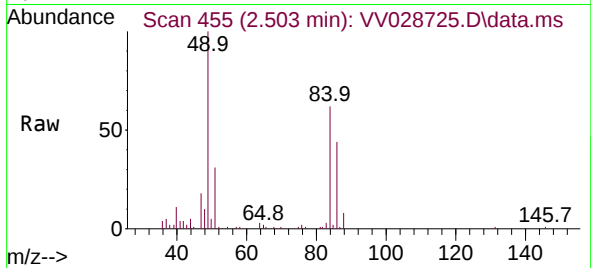




#16
Methylene chloride
Concen: 0.654 ug/L
RT: 2.503 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

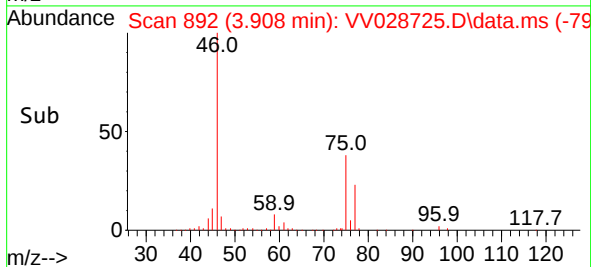
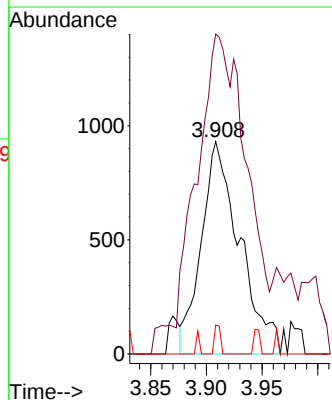
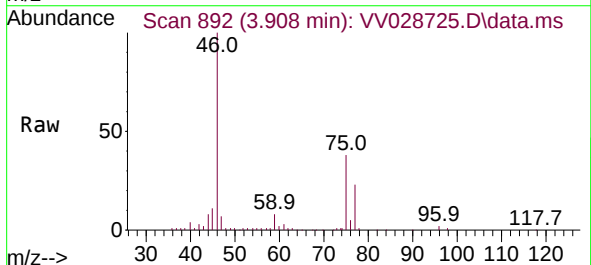
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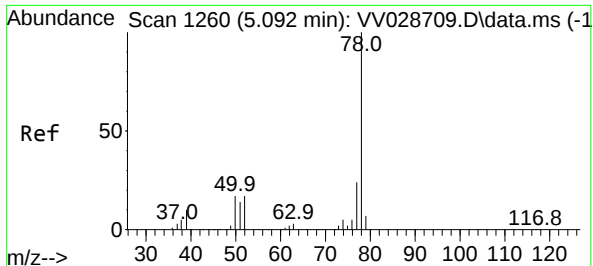
Tgt Ion: 84 Resp: 13127
Ion Ratio Lower Upper
84 100
86 73.7 44.4 82.4
49 170.9 110.8 205.8



#22
cis-1,2-Dichloroethene
Concen: 0.127 ug/L
RT: 3.908 min Scan# 892
Delta R.T. 0.006 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

Tgt Ion: 96 Resp: 2226
Ion Ratio Lower Upper
96 100
61 150.8 101.4 188.2
68 13.7 0.5 0.9#

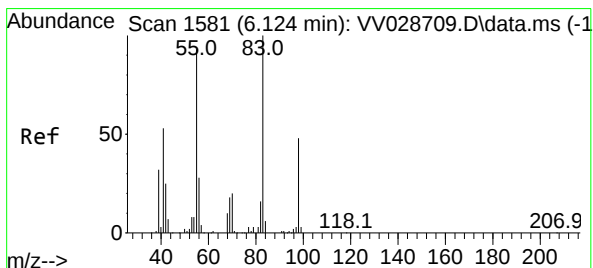
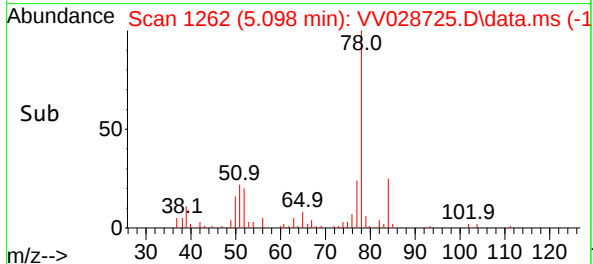
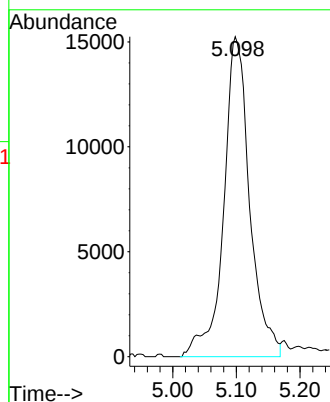
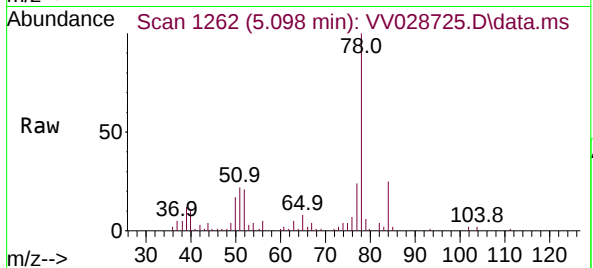




#33
Benzene
Concen: 0.613 ug/L
RT: 5.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

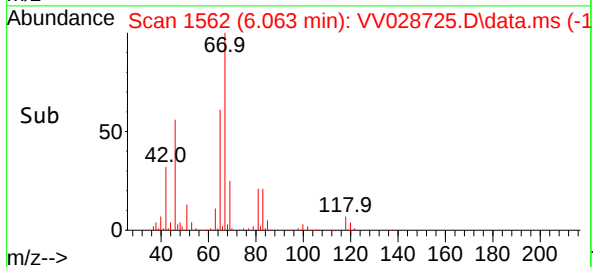
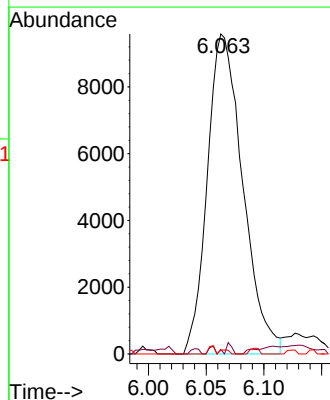
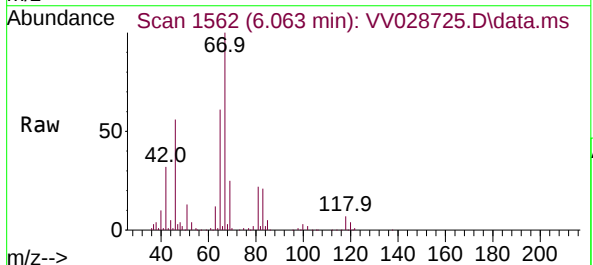
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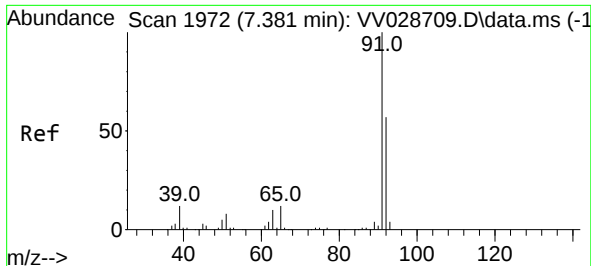
Tgt Ion: 78 Resp: 43343



#35
Methylcyclohexane
Concen: 0.846 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. -0.061 min
Lab File: VV028725.D
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Tgt Ion: 83 Resp: 20471
Ion Ratio Lower Upper
83 100
55 0.6 70.0 105.0#
98 0.2 35.6 53.4#

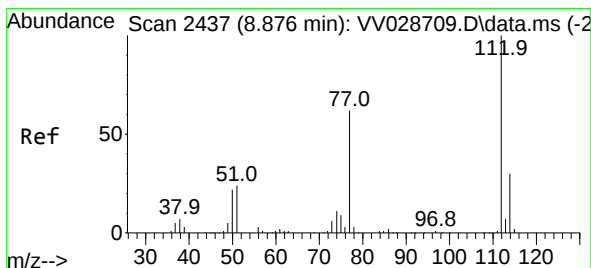
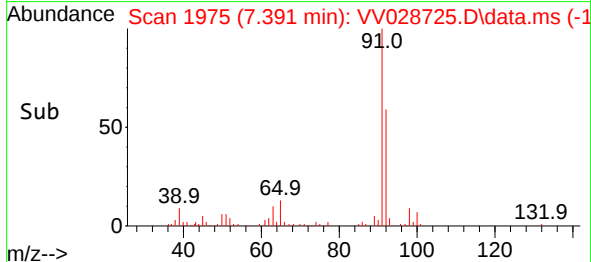
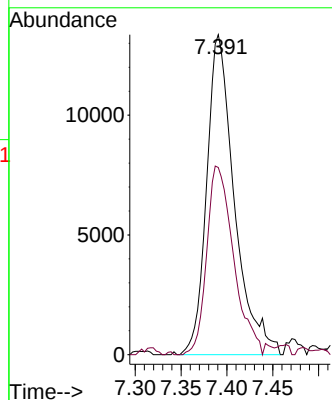
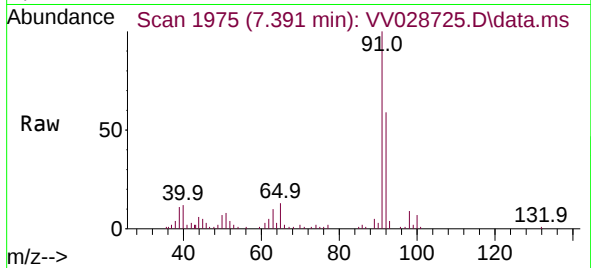




#42
Toluene
Concen: 0.419 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.010 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

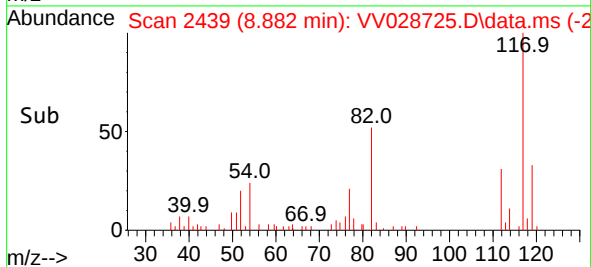
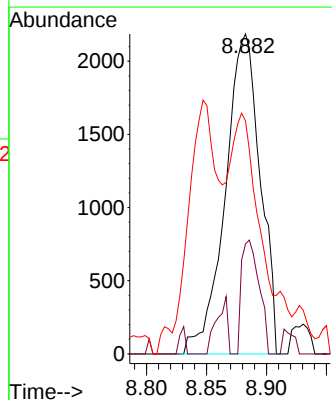
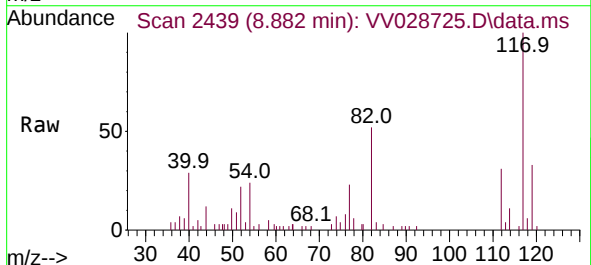
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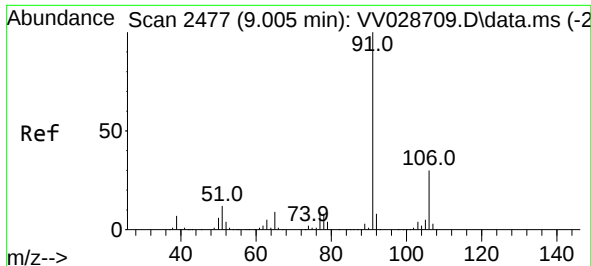
Tgt Ion: 91 Resp: 28100
Ion Ratio Lower Upper
91 100
92 58.5 40.5 75.3



#51
Chlorobenzene
Concen: 0.105 ug/L
RT: 8.882 min Scan# 2439
Delta R.T. 0.006 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

Tgt Ion: 112 Resp: 4427
Ion Ratio Lower Upper
112 100
114 34.4 22.0 41.0
77 72.8 50.0 75.0





#52

Ethylbenzene

Concen: 0.258 ug/L

RT: 9.014 min Scan# 24

Delta R.T. 0.010 min

Lab File: VV028725.D

Acq: 27 Oct 2022 17:40

Instrument :

MSVOA_V

ClientSampleId :

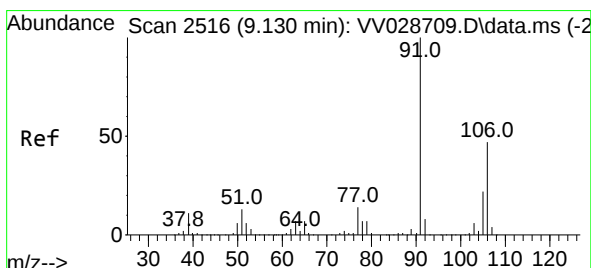
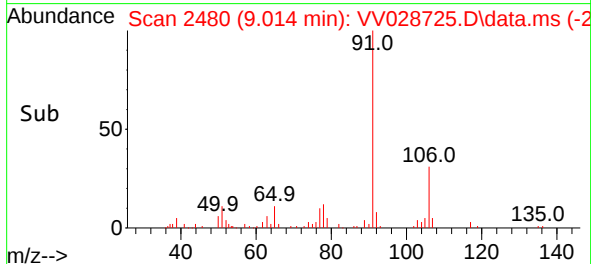
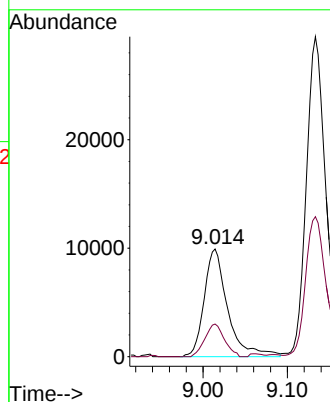
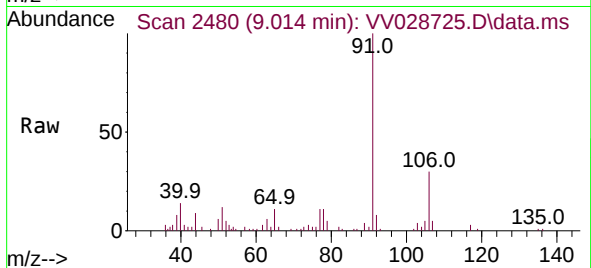
VIBLK303

Tgt Ion: 91 Resp: 19262

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



#53

m,p-Xylene

Concen: 0.832 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV028725.D

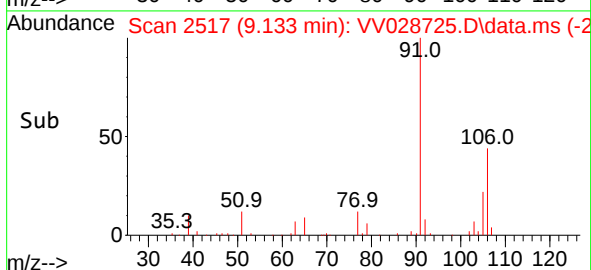
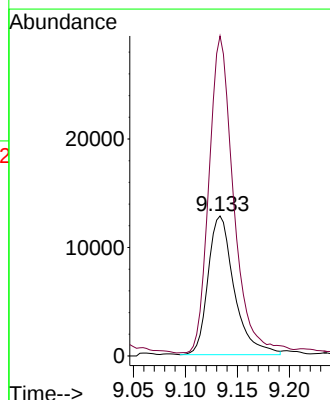
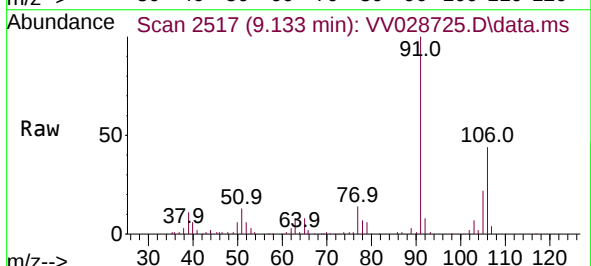
Acq: 27 Oct 2022 17:40

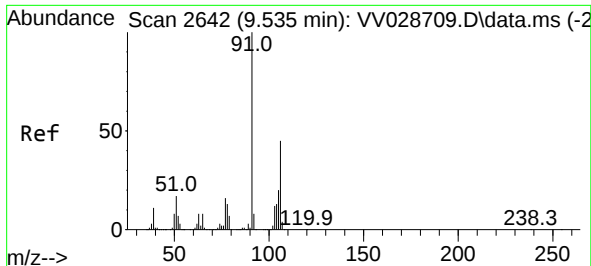
Tgt Ion: 106 Resp: 22400

Ion Ratio Lower Upper

106 100

91 228.5 145.5 270.1

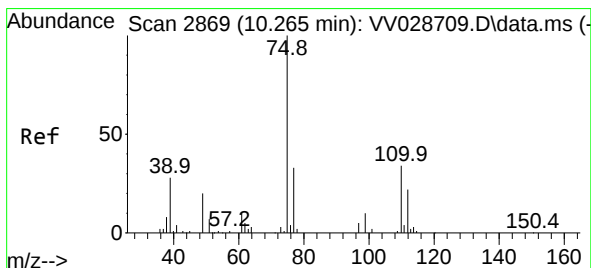
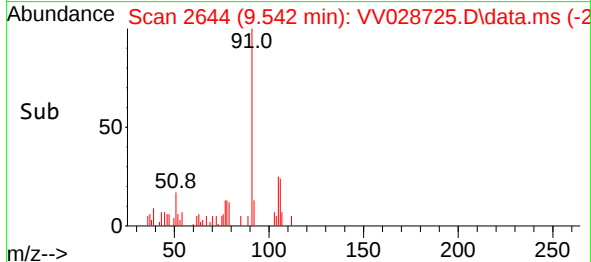
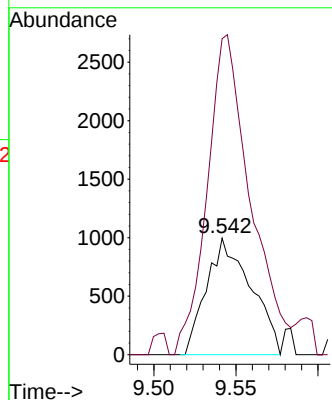
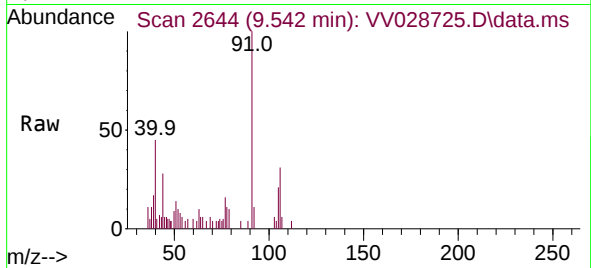




#54
o-Xylene
Concen: 0.069 ug/L
RT: 9.542 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

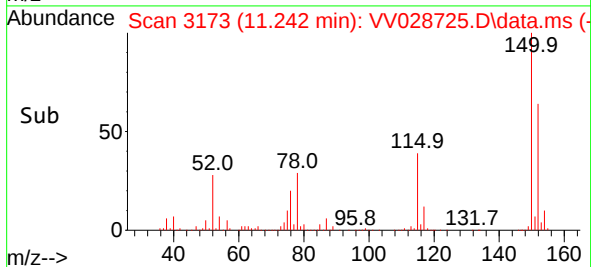
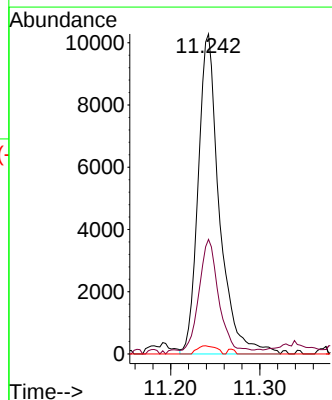
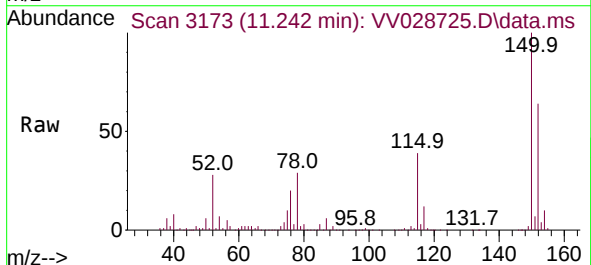
Instrument :
MSVOA_V
ClientSampleId :
VIBLK303

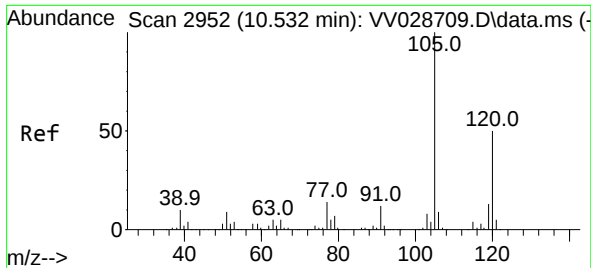
Tgt Ion:106 Resp: 1875
Ion Ratio Lower Upper
106 100
91 271.5 159.0 295.4



#61
1,2,3-Trichloropropane
Concen: 1.848 ug/L
RT: 11.242 min Scan# 3173
Delta R.T. 0.977 min
Lab File: VV028725.D
Acq: 27 Oct 2022 17:40

Tgt Ion: 75 Resp: 17007
Ion Ratio Lower Upper
75 100
77 34.3 25.2 37.8
110 2.3 27.9 41.9#

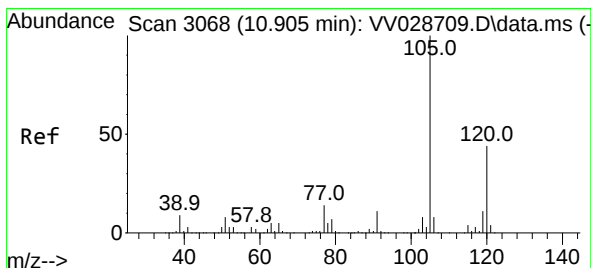
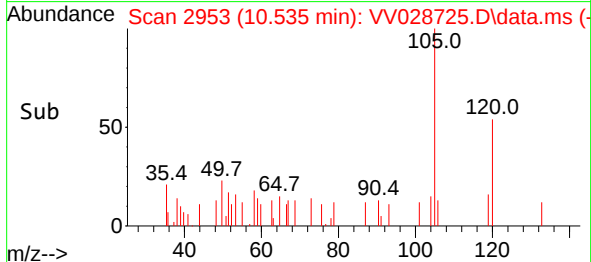
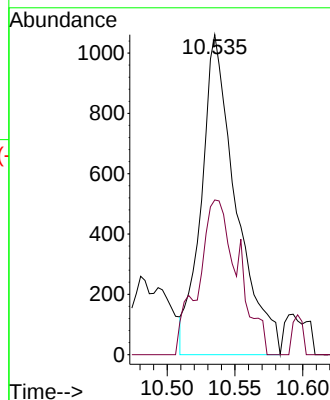
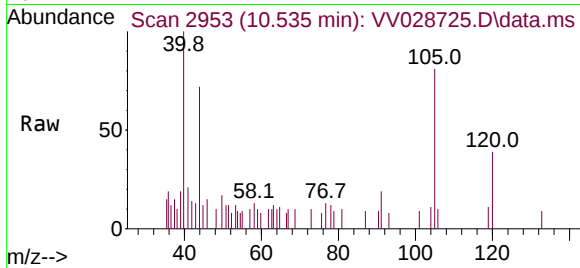




#62
 1,3,5-Trimethylbenzene
 Concen: 0.096 ug/L
 RT: 10.535 min Scan# 2952
 Delta R.T. 0.003 min
 Lab File: VV028725.D
 Acq: 27 Oct 2022 17:40

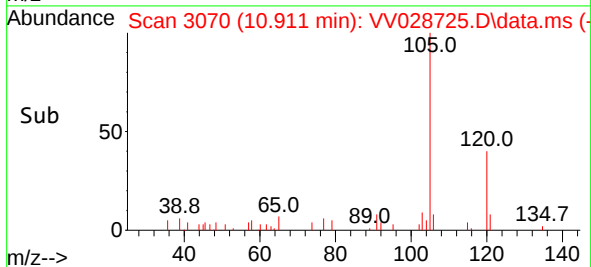
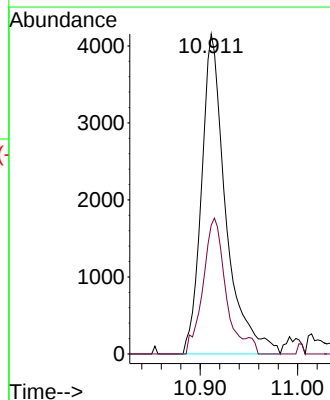
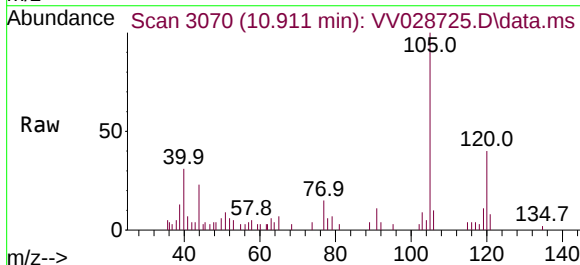
Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK303

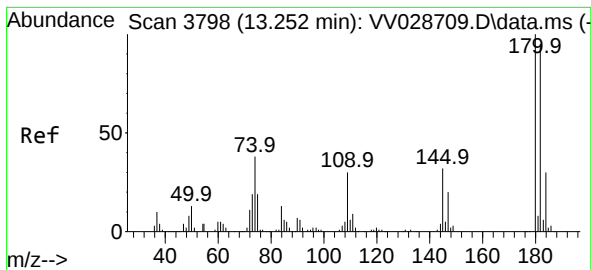
Tgt Ion:105 Resp: 1887
 Ion Ratio Lower Upper
 105 100
 120 55.8 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 0.132 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. 0.006 min
 Lab File: VV028725.D
 Acq: 27 Oct 2022 17:40

Tgt Ion:105 Resp: 7168
 Ion Ratio Lower Upper
 105 100
 120 40.5 36.2 54.2





#70

1,2,4-trichlorobenzene

Concen: 0.089 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. 0.006 min

Lab File: VV028725.D

Acq: 27 Oct 2022 17:40

Instrument :

MSVOA_V

ClientSampleId :

VIBLK303

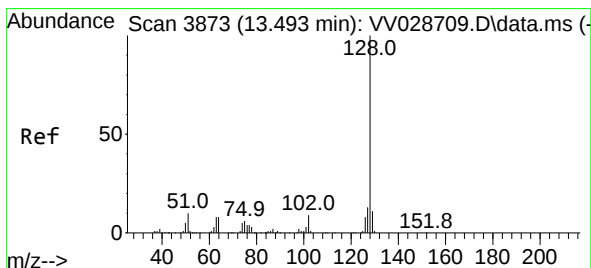
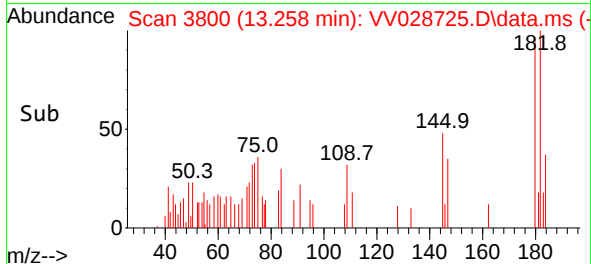
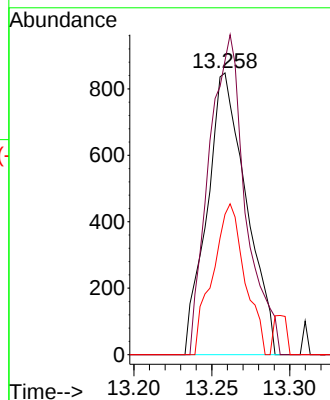
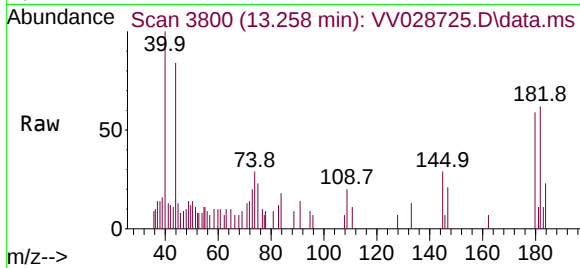
Tgt Ion:180 Resp: 1487

Ion Ratio Lower Upper

180 100

182 106.0 74.7 112.1

145 43.8 25.5 38.3#



#71

Naphthalene

Concen: 0.392 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.006 min

Lab File: VV028725.D

Acq: 27 Oct 2022 17:40

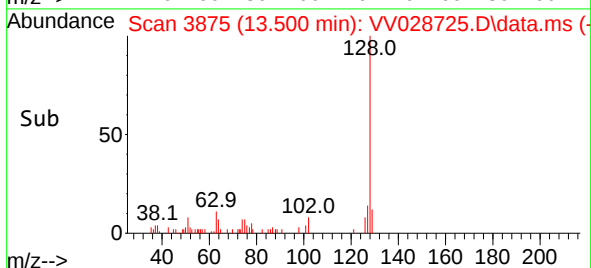
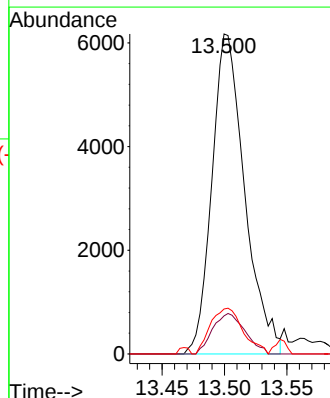
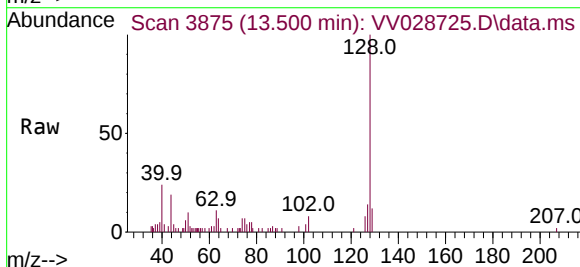
Tgt Ion:128 Resp: 11295

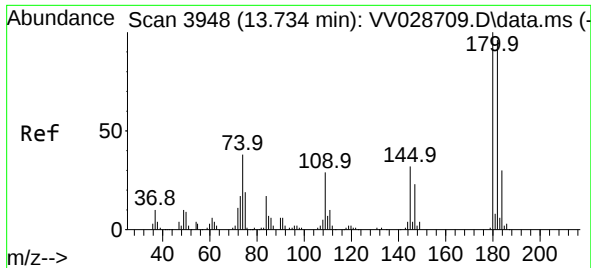
Ion Ratio Lower Upper

128 100

129 12.5 8.9 13.3

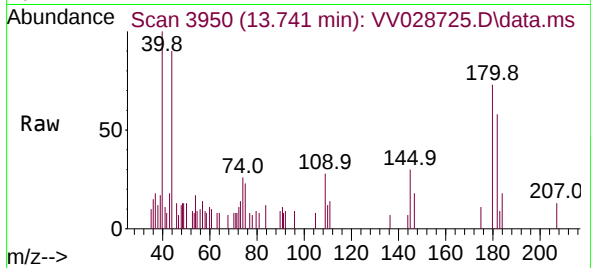
127 14.2 10.2 15.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.124 ug/L
 RT: 13.741 min Scan# 3948
 Delta R.T. 0.006 min
 Lab File: VV028725.D
 Acq: 27 Oct 2022 17:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK303



Tgt Ion:	180	Resp:	1848
Ion	Ratio	Lower	Upper
180	100		
182	83.4	73.4	110.0
145	29.8	26.3	39.5

