

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092622\
 Data File : VW028118.D
 Acq On : 26 Sep 2022 15:54
 Operator : SY/MD
 Sample : N4820-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 26 21:31:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Sep 26 21:28:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	172660	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	176173	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	88874	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	69897	3.905	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.561	69	63574	4.467	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.098	63	100003	3.221	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.400%
20) 2-Butanone-d5	3.915	46	141274	46.749	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.500%
24) Chloroform-d	4.336	84	136125	4.766	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.024	65	65557	4.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.037	84	245480	4.250	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
36) 1,2-Dichloropropane-d6	6.059	67	79997	4.442	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.307	98	198426	3.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.800%
43) trans-1,3-Dichloroprop...	7.619	79	25790	3.965	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.200%
46) 2-Hexanone-d5	8.085	63	120347	44.327	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.660%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	59572	4.839	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	11.619	152	87203	5.002	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.236	50	1909	0.112	ug/L	95
5) Vinyl chloride	1.304	62	1038	0.078	ug/L #	8
12) 1,1-Dichloroethene	2.101	96	1141	0.096	ug/L #	1
14) Carbon disulfide	2.285	76	6346	0.277	ug/L #	89
16) Methylene chloride	2.497	84	7032	0.528	ug/L	98
17) Methyl tert-butyl Ether	2.767	73	17611	0.686	ug/L	97
22) cis-1,2-Dichloroethene	3.902	96	516	0.038	ug/L #	56
35) Methylcyclohexane	6.063	83	20800	1.245	ug/L #	18
37) 1,2-Dichloropropane	6.063	63	8493	0.619	ug/L #	88
39) cis-1,3-Dichloropropene	6.976	75	1650	0.097	ug/L	91
44) trans-1,3-Dichloropropene	7.622	75	1172	0.080	ug/L #	48
51) Chlorobenzene	8.876	112	27764	0.811	ug/L	95
53) m,p-Xylene	9.140	106	662	0.032	ug/L	82
54) o-Xylene	9.545	106	1155	0.057	ug/L	95
60) Isopropylbenzene	10.734	105	4153	0.080	ug/L #	80
61) 1,2,3-Trichloropropane	10.079	75	911	0.122	ug/L #	39
62) 1,3,5-Trimethylbenzene	10.911	105	961	0.065	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.410	75	197	0.121	ug/L #	1

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Sep 26 21:28:54 2022
Response via : Initial Calibration

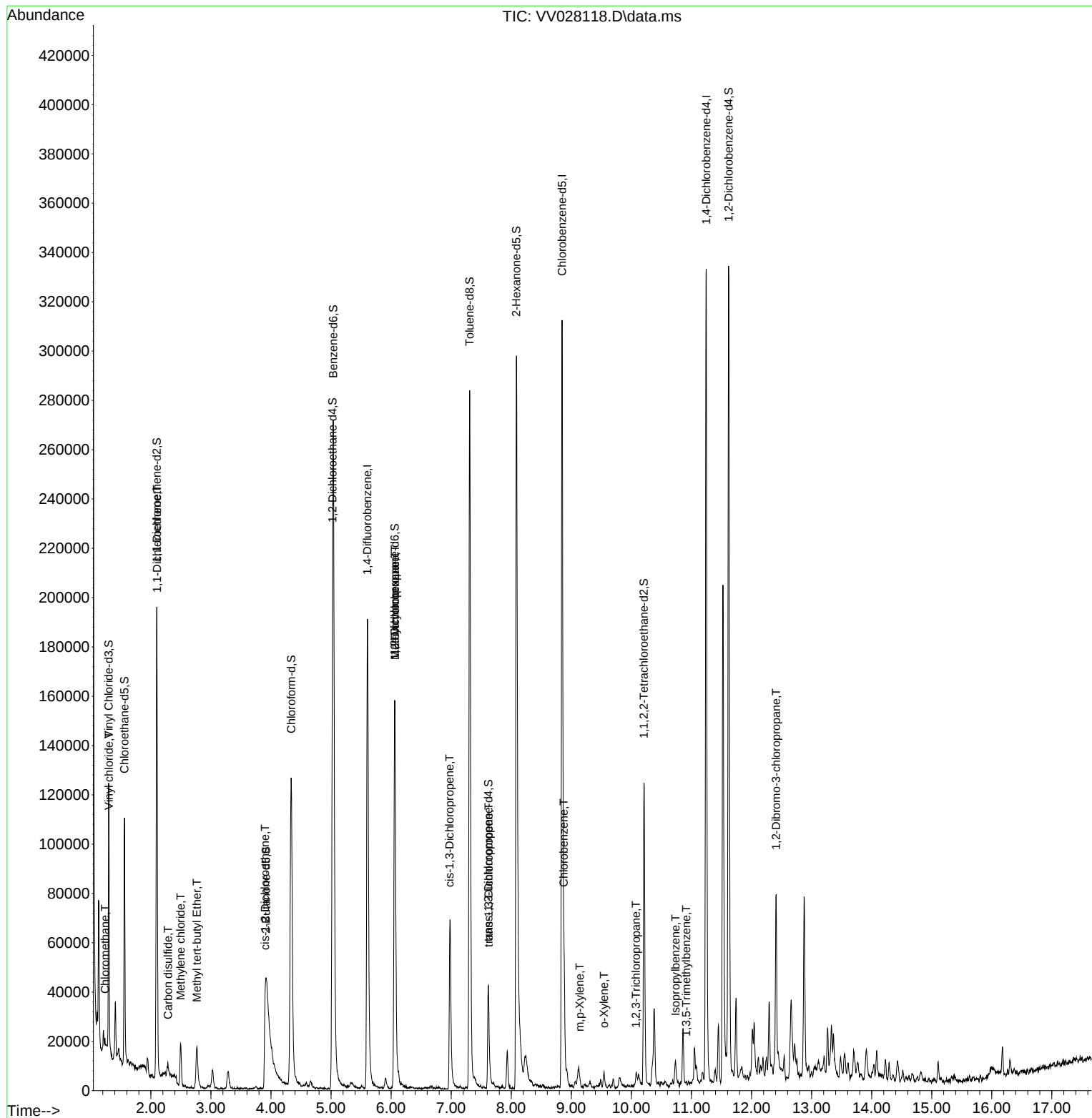
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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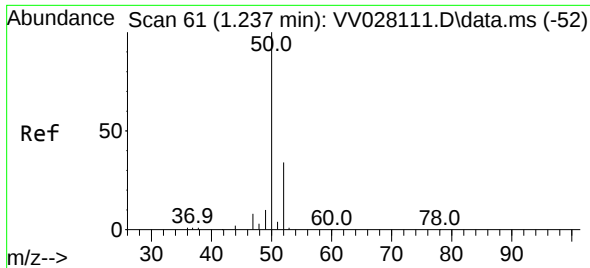
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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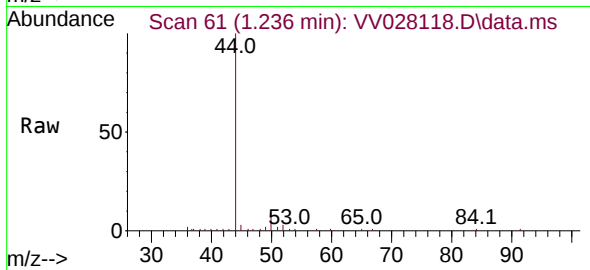
Quant Time: Sep 26 21:31:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092222WMA.M
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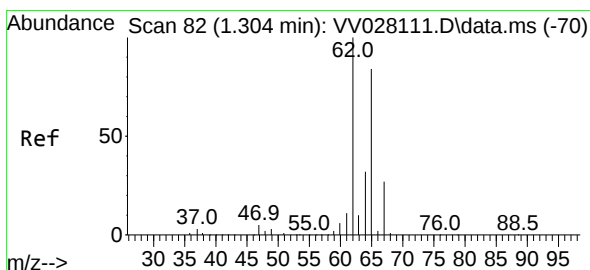
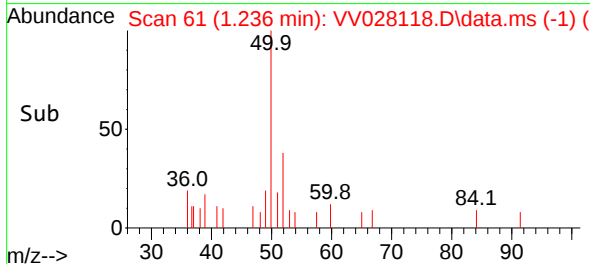
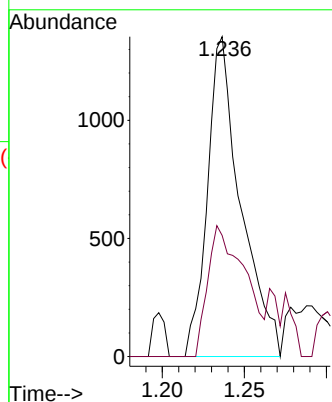


#3
Chloromethane
Concen: 0.112 ug/L
RT: 1.236 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV028118.D
Acq: 26 Sep 2022 15:54

Instrument :
MSVOA_V
ClientSampleId :

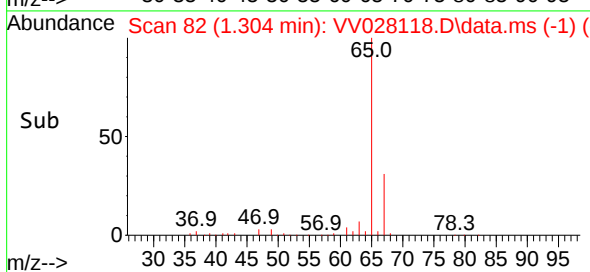
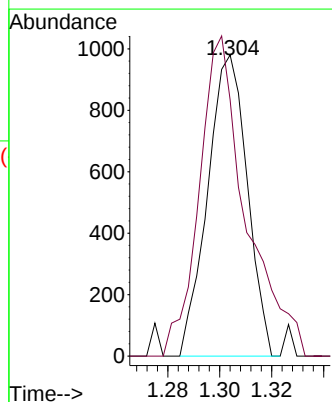
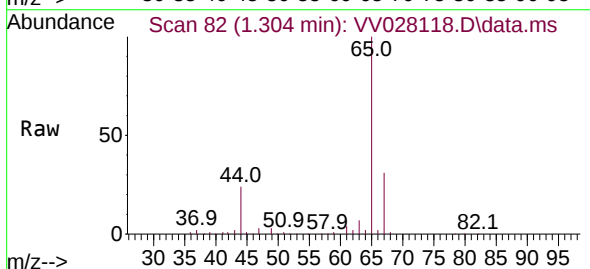


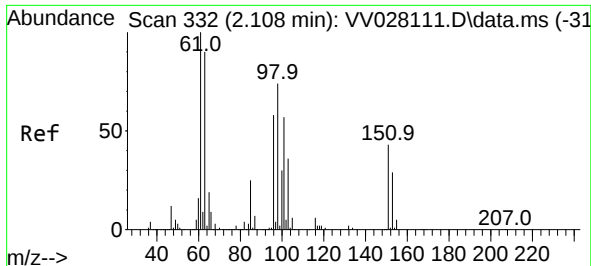
Tgt Ion: 50 Resp: 1909
Ion Ratio Lower Upper
50 100
52 37.9 24.4 45.2



#5
Vinyl chloride
Concen: 0.078 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.000 min
Lab File: VV028118.D
Acq: 26 Sep 2022 15:54

Tgt Ion: 62 Resp: 1038
Ion Ratio Lower Upper
62 100
64 85.1 23.0 42.8#





#12

1,1-Dichloroethene

Concen: 0.096 ug/L

RT: 2.101 min Scan# 311

Delta R.T. -0.007 min

Lab File: VV028118.D

Acq: 26 Sep 2022 15:54

Instrument :

MSVOA_V

ClientSampleId :

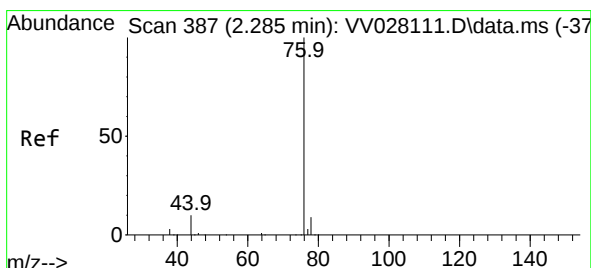
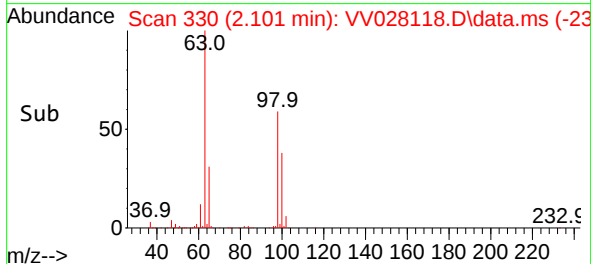
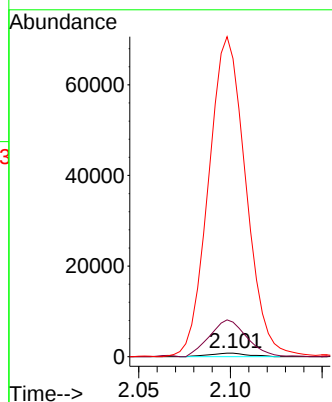
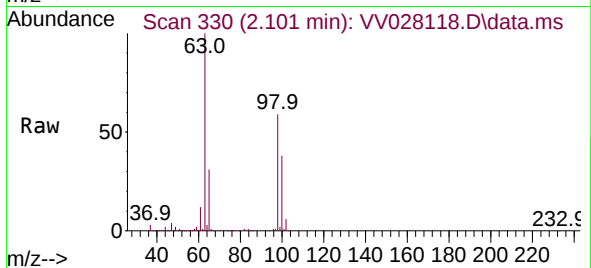
Tgt Ion: 96 Resp: 1141

Ion Ratio Lower Upper

96 100

61 970.0 128.3 238.3#

63 8370.5 112.7 209.3#



#14

Carbon disulfide

Concen: 0.277 ug/L

RT: 2.285 min Scan# 387

Delta R.T. -0.000 min

Lab File: VV028118.D

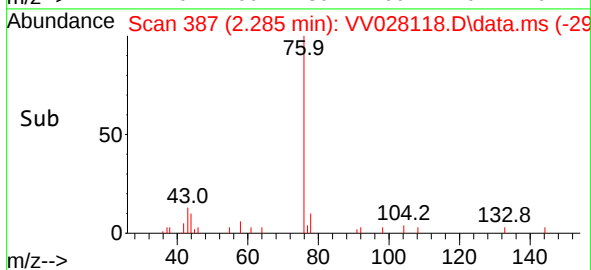
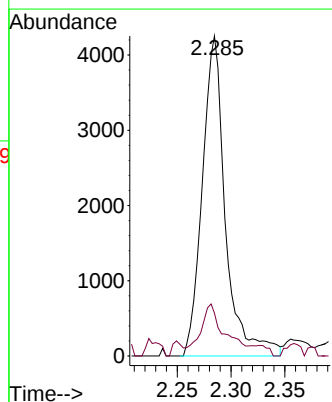
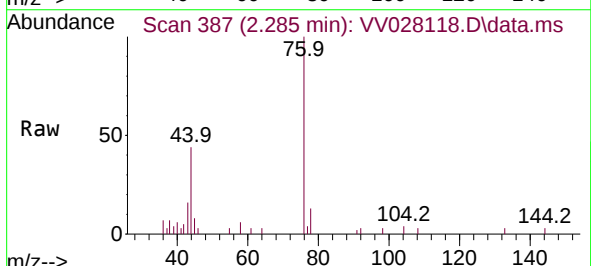
Acq: 26 Sep 2022 15:54

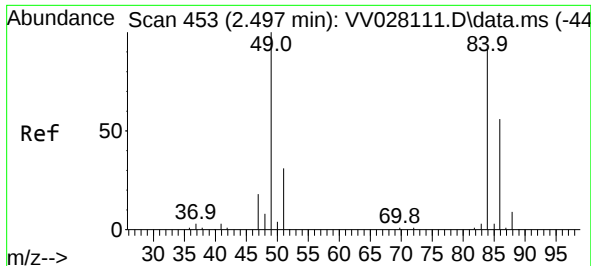
Tgt Ion: 76 Resp: 6346

Ion Ratio Lower Upper

76 100

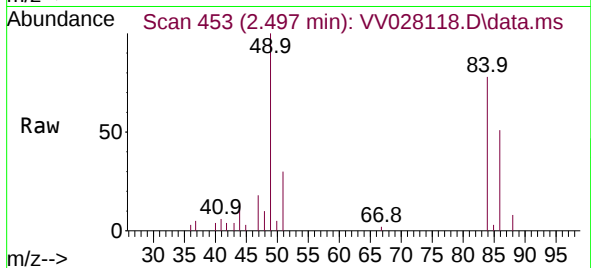
78 13.4 7.6 11.4#





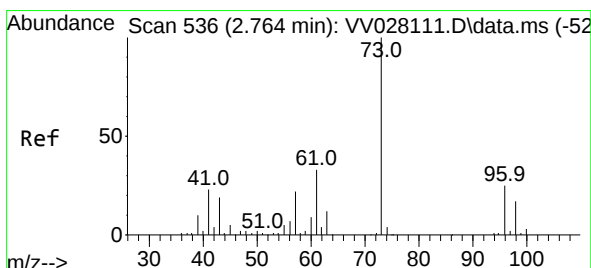
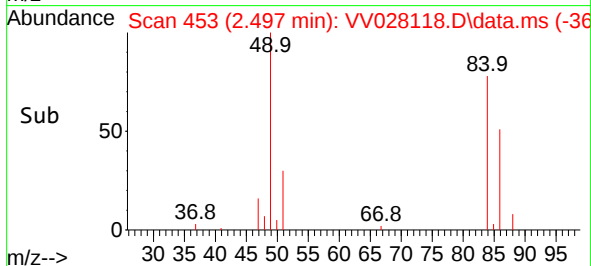
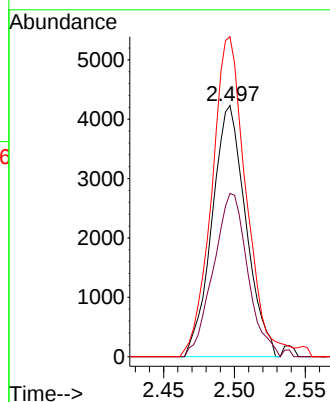
#16
Methylene chloride
Concen: 0.528 ug/L
RT: 2.497 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV028118.D
Acq: 26 Sep 2022 15:54

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 84 Resp: 7032

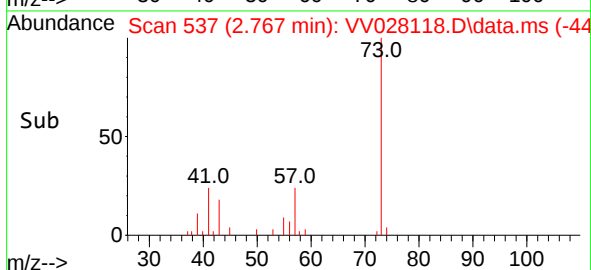
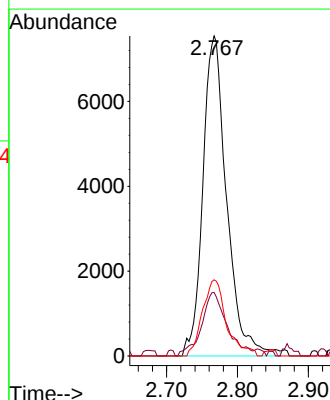
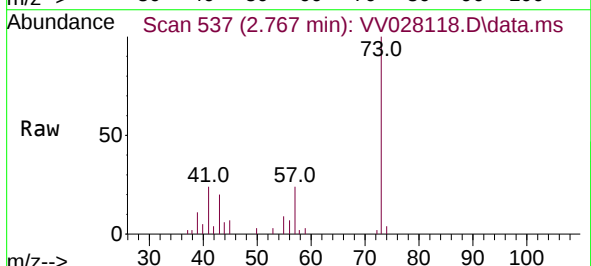
Ion	Ratio	Lower	Upper
84	100		
86	65.0	46.8	86.8
49	127.4	87.5	162.5

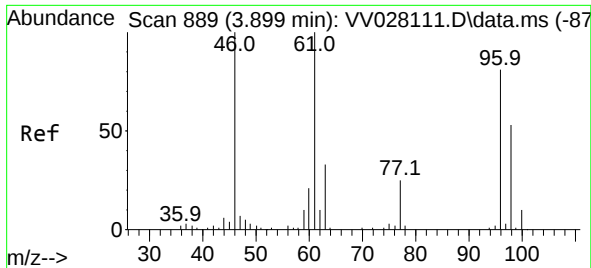


#17
Methyl tert-butyl Ether
Concen: 0.686 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.003 min
Lab File: VV028118.D
Acq: 26 Sep 2022 15:54

Tgt Ion: 73 Resp: 17611

Ion	Ratio	Lower	Upper
73	100		
43	21.2	15.7	23.5
57	23.9	17.8	26.8





#22

cis-1,2-Dichloroethene

Concen: 0.038 ug/L

RT: 3.902 min Scan# 89

Delta R.T. 0.003 min

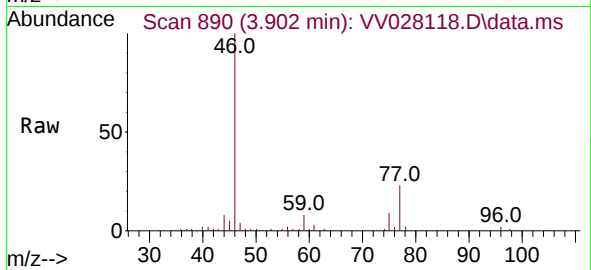
Lab File: VV028118.D

Acq: 26 Sep 2022 15:54

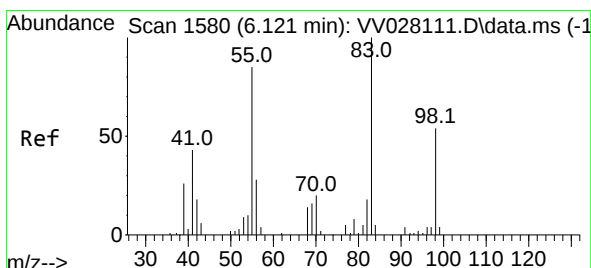
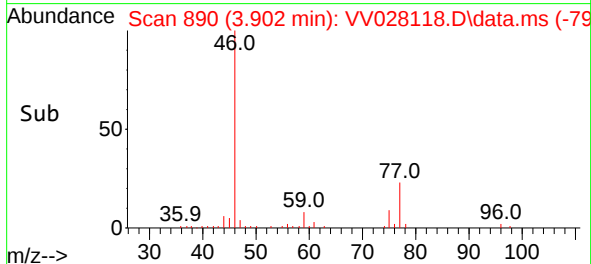
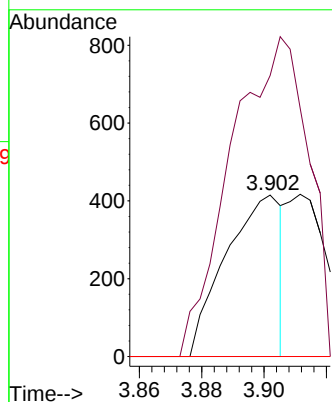
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	96	Resp:	516
Ion	Ratio	Lower	Upper
96	100		
61	174.0	87.2	161.9#
68	0.0	0.0	0.0



#35

Methylcyclohexane

Concen: 1.245 ug/L

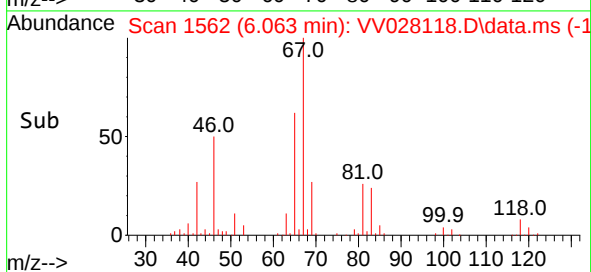
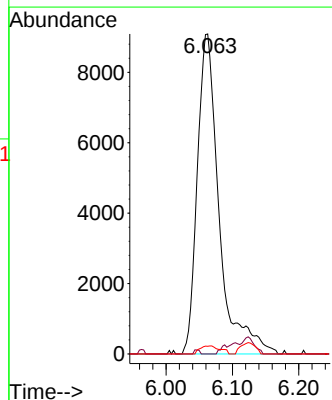
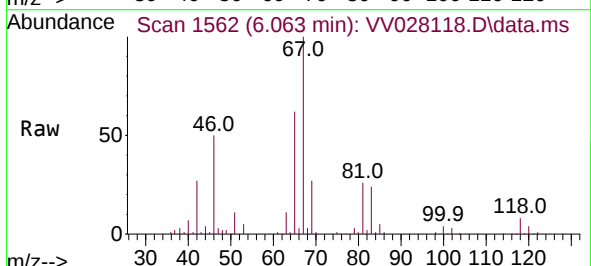
RT: 6.063 min Scan# 1562

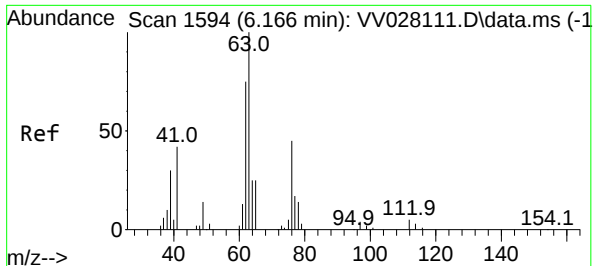
Delta R.T. -0.058 min

Lab File: VV028118.D

Acq: 26 Sep 2022 15:54

Tgt Ion:	83	Resp:	20800
Ion	Ratio	Lower	Upper
83	100		
55	0.8	64.7	97.1#
98	2.3	39.5	59.3#





#37

1,2-Dichloropropane

Concen: 0.619 ug/L

RT: 6.063 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV028118.D

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Instrument :

MSVOA_V

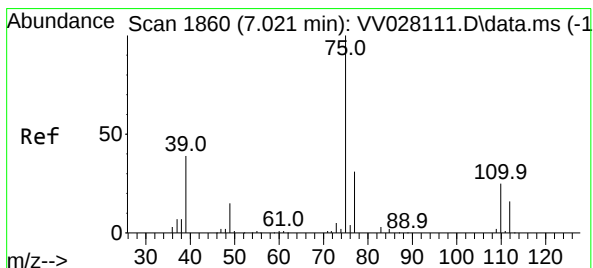
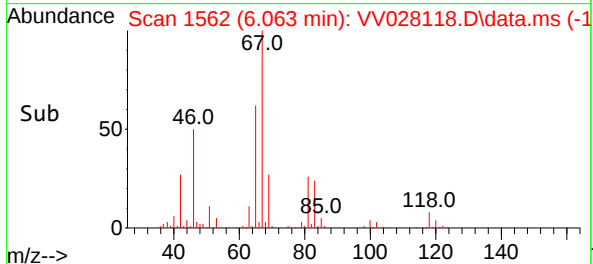
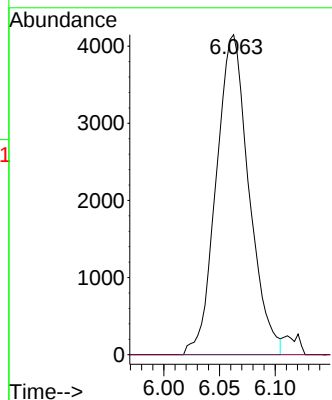
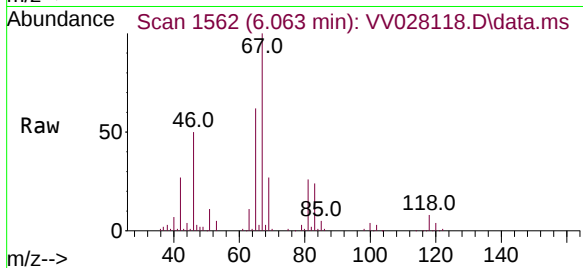
ClientSampleId :

Tgt Ion: 63 Resp: 8493

Ion Ratio Lower Upper

63 100

112 0.5 3.5 5.3#



#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 6.976 min Scan# 1846

Delta R.T. -0.045 min

Lab File: VV028118.D

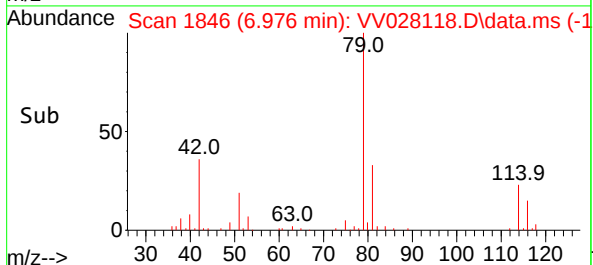
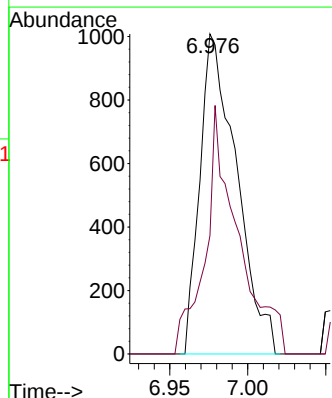
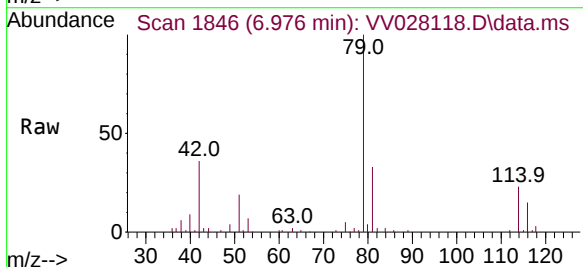
Acq: 26 Sep 2022 15:54

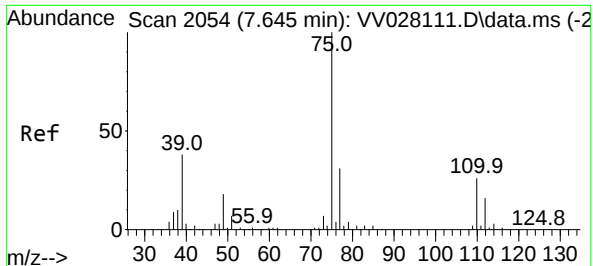
Tgt Ion: 75 Resp: 1650

Ion Ratio Lower Upper

75 100

77 37.0 22.4 41.6





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.622 min Scan# 2054

Delta R.T. -0.023 min

Lab File: VV028118.D

Acq: 26 Sep 2022 15:54

Instrument :

MSVOA_V

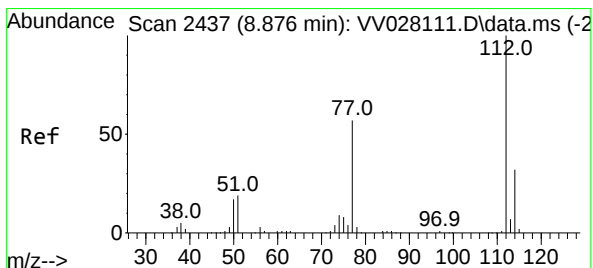
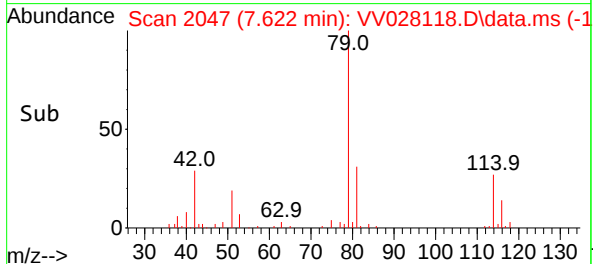
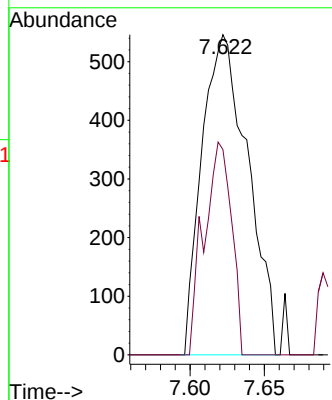
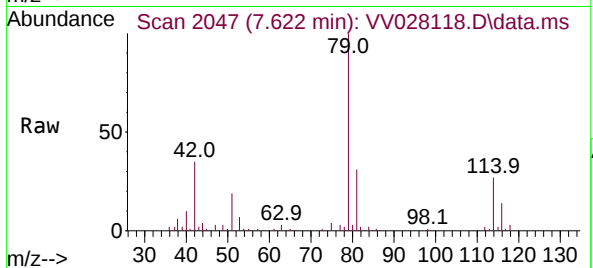
ClientSampleId :

Tgt Ion: 75 Resp: 1172

Ion Ratio Lower Upper

75 100

77 64.1 23.9 44.3#



#51

Chlorobenzene

Concen: 0.811 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. -0.000 min

Lab File: VV028118.D

Acq: 26 Sep 2022 15:54

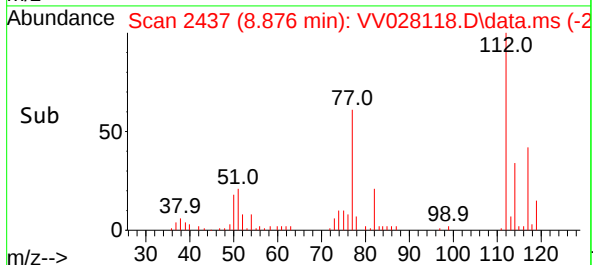
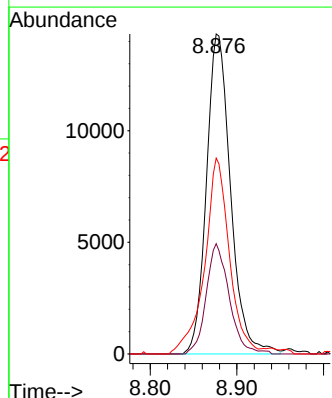
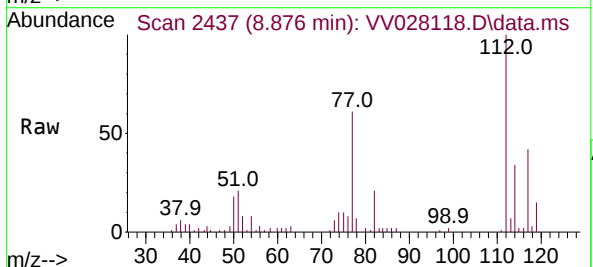
Tgt Ion: 112 Resp: 27764

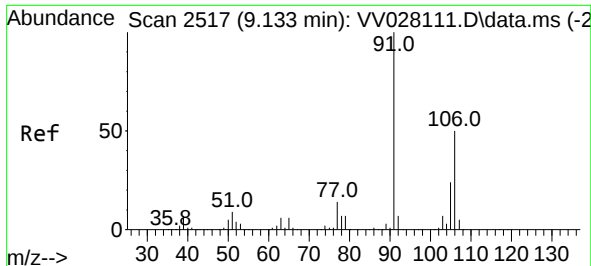
Ion Ratio Lower Upper

112 100

114 34.5 22.5 41.7

77 61.2 46.1 69.1

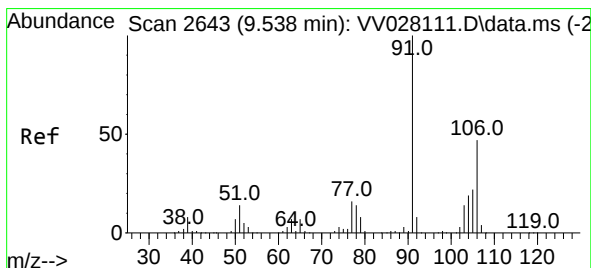
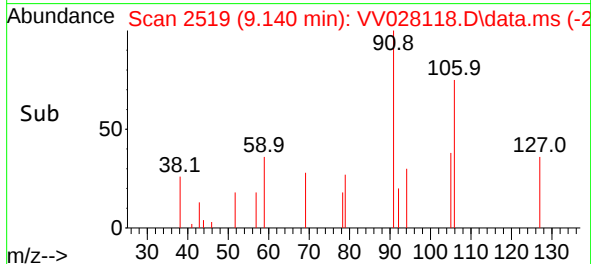
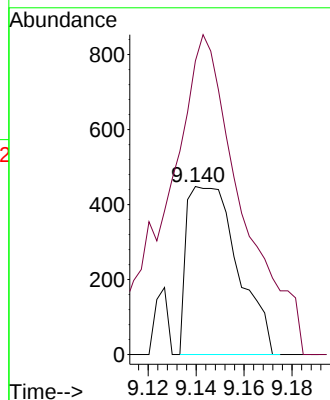
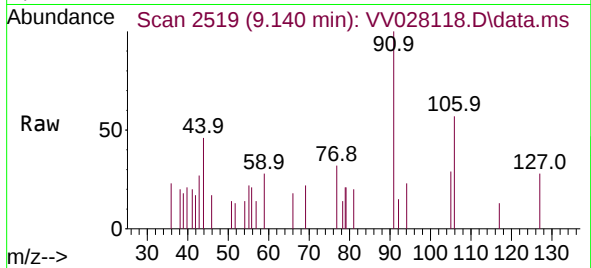




#53
m,p-Xylene
Concen: 0.032 ug/L
RT: 9.140 min Scan# 2517
Delta R.T. 0.006 min
Lab File: VV028118.D
Acq: 26 Sep 2022 15:54

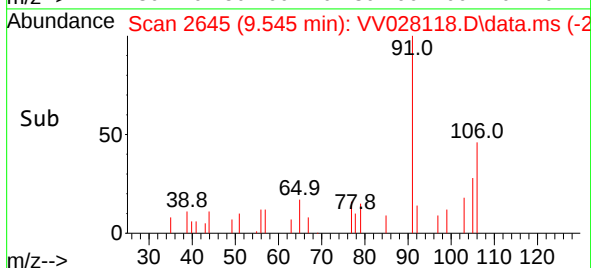
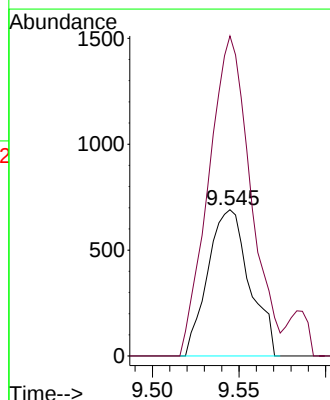
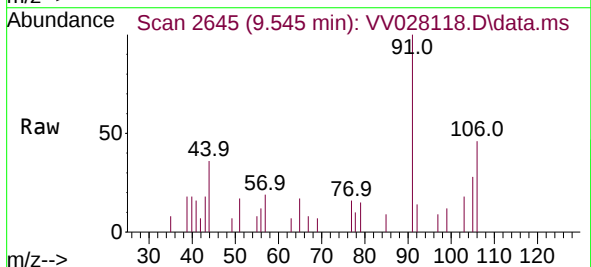
Instrument :
MSVOA_V
ClientSampleId :

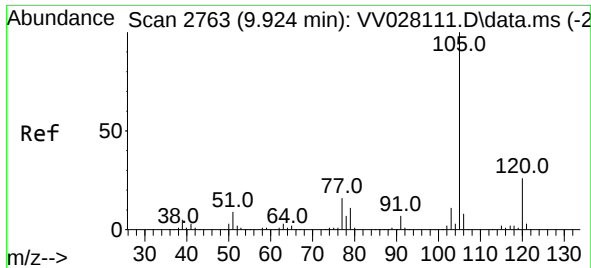
Tgt Ion:106 Resp: 662
Ion Ratio Lower Upper
106 100
91 174.8 141.9 263.5



#54
o-Xylene
Concen: 0.057 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.006 min
Lab File: VV028118.D
Acq: 26 Sep 2022 15:54

Tgt Ion:106 Resp: 1155
Ion Ratio Lower Upper
106 100
91 218.7 148.1 275.0

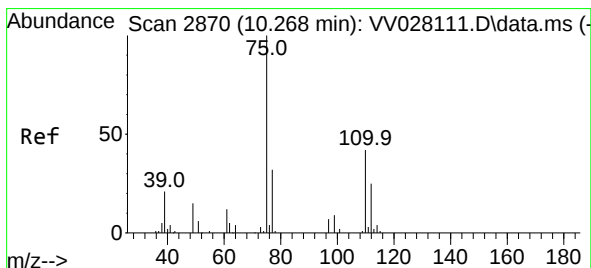
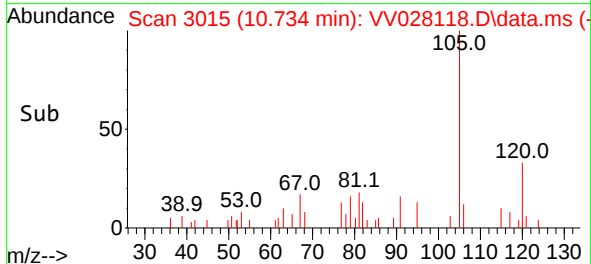
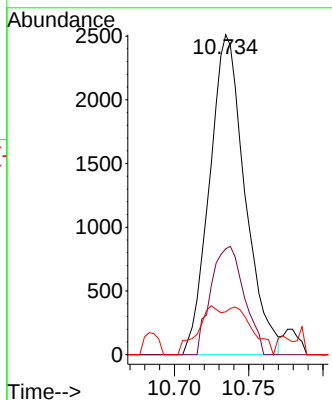
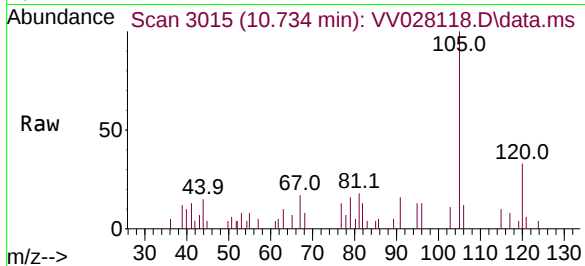




#60
Isopropylbenzene
Concen: 0.080 ug/L
RT: 10.734 min Scan# 30
Delta R.T. 0.810 min
Lab File: VV028118.D
Acq: 26 Sep 2022 15:54

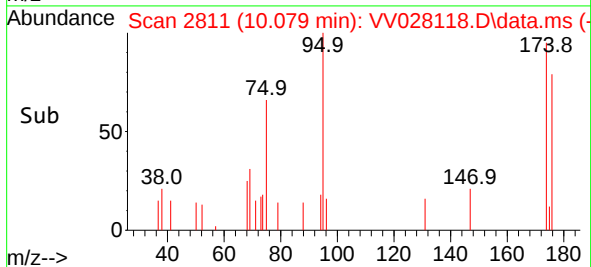
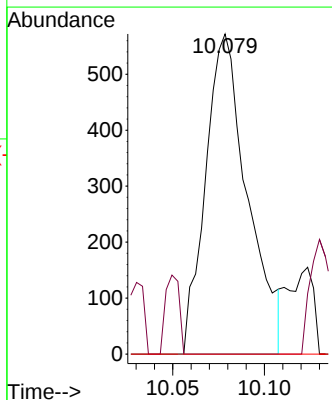
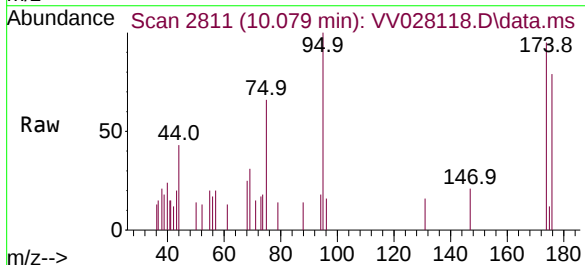
Instrument :
MSVOA_V
ClientSampleId :

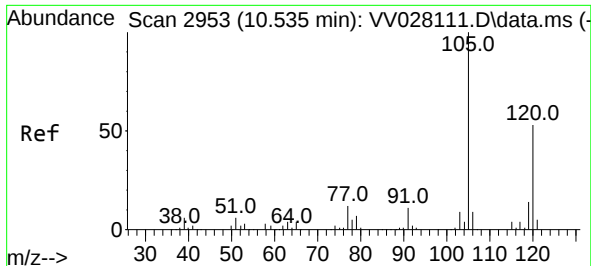
Tgt Ion:105 Resp: 4153
Ion Ratio Lower Upper
105 100
120 31.9 21.4 32.0
77 0.0 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 0.122 ug/L
RT: 10.079 min Scan# 2811
Delta R.T. -0.190 min
Lab File: VV028118.D
Acq: 26 Sep 2022 15:54

Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
77 0.0 26.7 40.1#
110 0.0 30.1 45.1#





#62

1,3,5-Trimethylbenzene

Concen: 0.065 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. 0.376 min

Lab File: VV028118.D

Acq: 26 Sep 2022 15:54

Instrument :

MSVOA_V

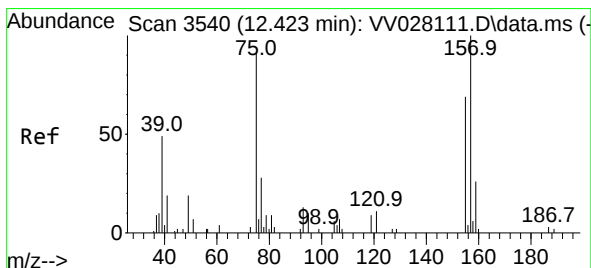
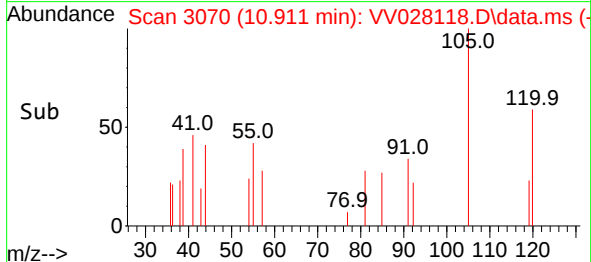
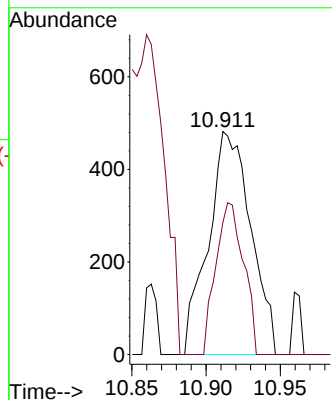
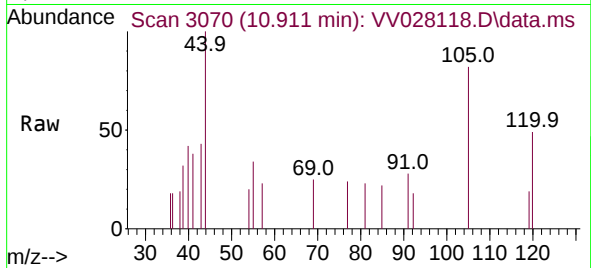
ClientSampleId :

Tgt Ion:105 Resp: 961

Ion Ratio Lower Upper

105 100

120 44.1 40.6 61.0



#68

1,2-Dibromo-3-chloropropane

Concen: 0.121 ug/L

RT: 12.410 min Scan# 3536

Delta R.T. -0.013 min

Lab File: VV028118.D

Acq: 26 Sep 2022 15:54

Tgt Ion: 75 Resp: 197

Ion Ratio Lower Upper

75 100

155 0.0 73.6 110.4#

157 0.0 90.7 136.1#

