

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121622\
 Data File : VW029699.D
 Acq On : 16 Dec 2022 15:48
 Operator : SY/MD
 Sample : N6034-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 20:19:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 16 20:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	227188	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	209643	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	107585	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	47670	3.410	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.200%
7) Chloroethane-d5	1.564	69	46477	4.541	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.800%
11) 1,1-Dichloroethene-d2	2.104	63	68085	3.043	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.800%
20) 2-Butanone-d5	3.905	46	145295	62.122	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.240%
24) Chloroform-d	4.339	84	111421	4.465	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.027	65	50672	4.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.043	84	226978	3.917	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.400%
36) 1,2-Dichloropropane-d6	6.063	67	73978	4.544	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.307	98	196282	3.589	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.800%
43) trans-1,3-Dichloroprop...	7.615	79	23170	3.691	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.800%
46) 2-Hexanone-d5	8.088	63	120796	53.987	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.980%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	56561	5.630	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.600%
66) 1,2-Dichlorobenzene-d4	11.612	152	82750	4.403	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	7010	0.451	ug/L	97
5) Vinyl chloride	1.307	62	701	0.045	ug/L #	1
6) Bromomethane	1.519	94	504	0.052	ug/L	100
12) 1,1-Dichloroethene	2.108	96	936	0.080	ug/L #	1
13) Acetone	2.201	43	35526	20.890	ug/L	95
14) Carbon disulfide	2.288	76	2022	0.060	ug/L #	80
15) Methyl Acetate	2.201	43	33802	6.916	ug/L #	51
16) Methylene chloride	2.503	84	9391	0.526	ug/L	98
22) cis-1,2-Dichloroethene	3.908	96	440	0.029	ug/L	100
25) Chloroform	4.365	83	7569	0.300	ug/L	96
29) 1,1,1-Trichloroethane	4.603	97	613	0.025	ug/L #	53
31) Carbon tetrachloride	4.825	117	574	0.028	ug/L	94
33) Benzene	5.101	78	2959	0.047	ug/L	100
38) Bromodichloromethane	6.513	83	582	0.033	ug/L #	85
51) Chlorobenzene	8.876	112	1561	0.037	ug/L #	60
52) Ethylbenzene	9.008	91	2488	0.035	ug/L	100
53) m,p-Xylene	9.133	106	1499	0.054	ug/L	85
55) Styrene	9.564	104	2595	0.057	ug/L	91
62) 1,3,5-Trimethylbenzene	10.525	105	1927	0.032	ug/L	98

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QLast Update : Fri Dec 16 20:17:28 2022
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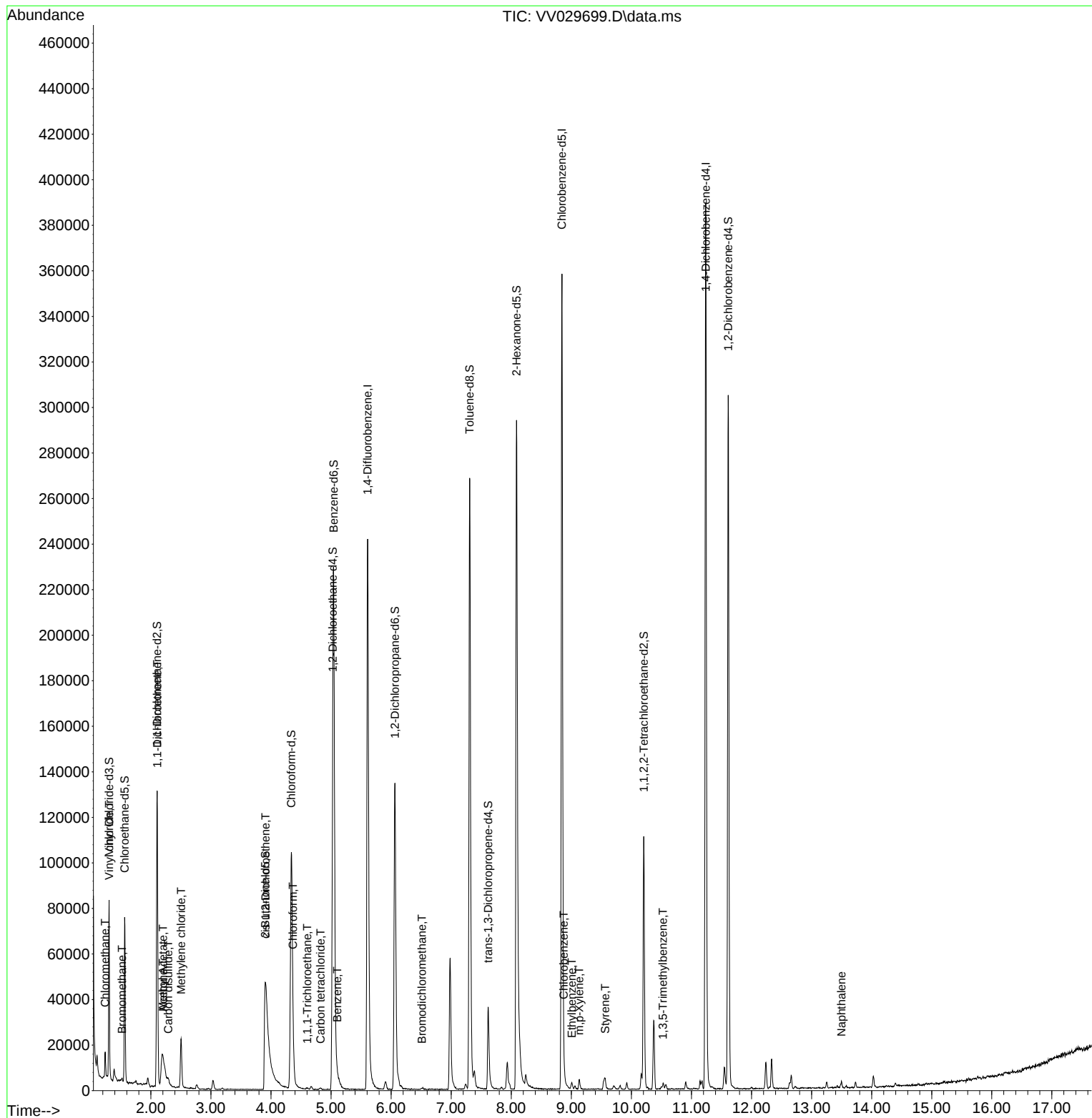
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71) Naphthalene	13.496	128	2394	0.128	ug/L	# 90

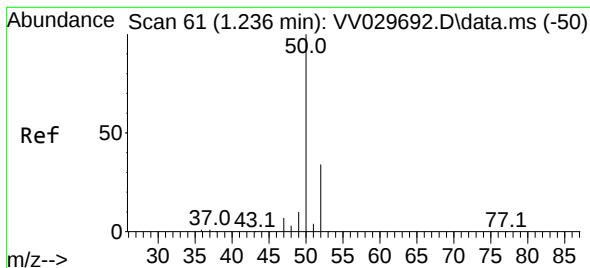
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#3

Chloromethane

Concen: 0.451 ug/L

RT: 1.240 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV029699.D

Acq: 16 Dec 2022 15:48

Instrument :

MSVOA_V

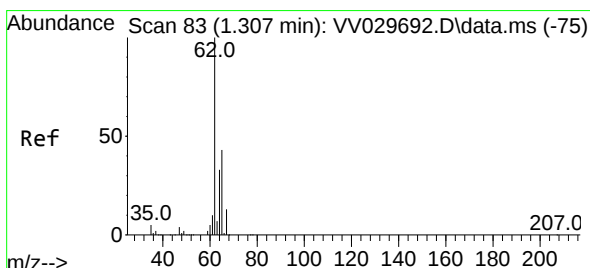
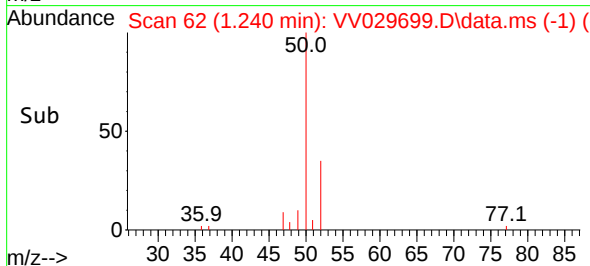
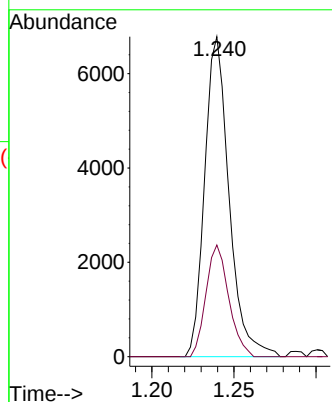
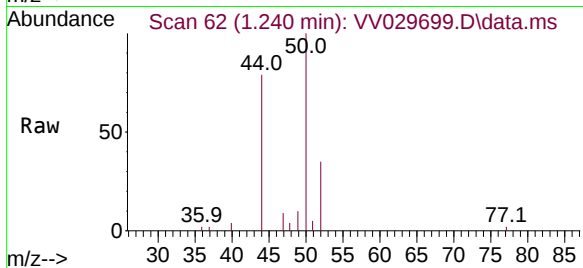
ClientSampleId :

Tgt Ion: 50 Resp: 7010

Ion Ratio Lower Upper

50 100

52 34.9 23.2 43.2



#5

Vinyl chloride

Concen: 0.045 ug/L

RT: 1.307 min Scan# 83

Delta R.T. 0.000 min

Lab File: VV029699.D

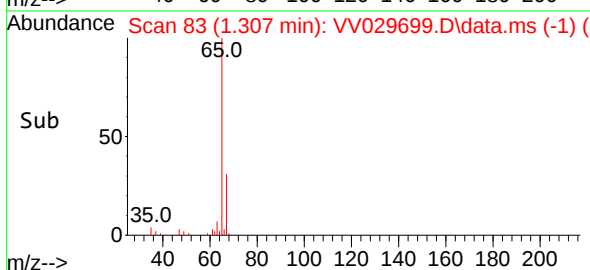
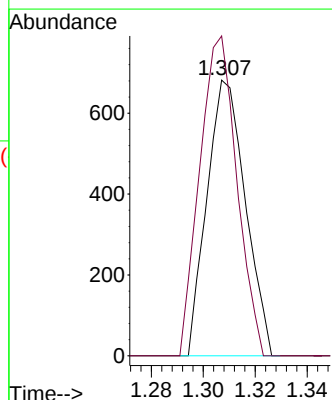
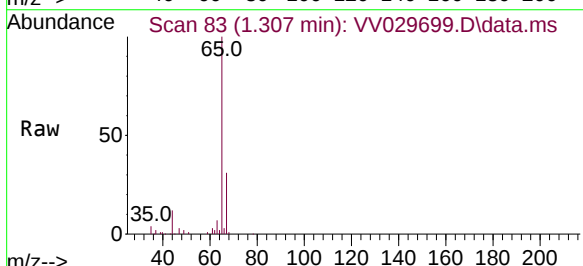
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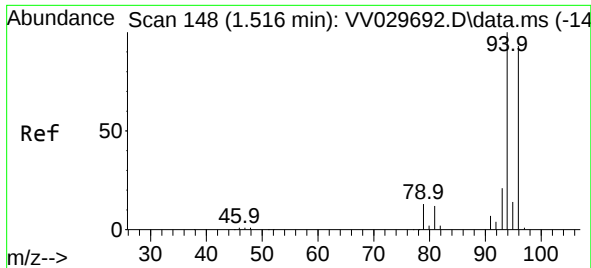
Tgt Ion: 62 Resp: 701

Ion Ratio Lower Upper

62 100

64 116.0 23.4 43.4#

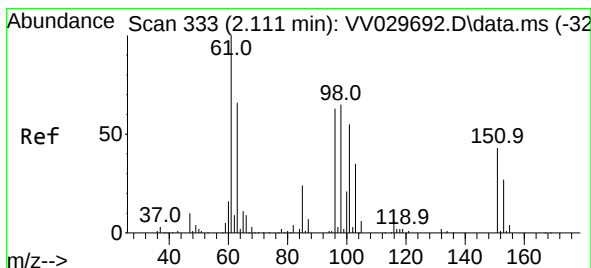
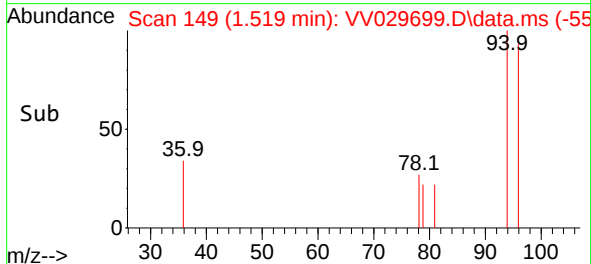
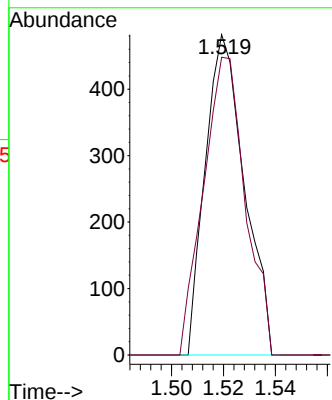
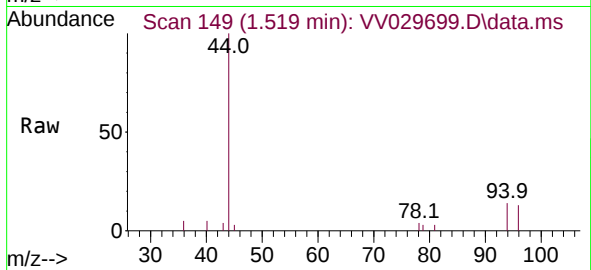




#6
Bromomethane
Concen: 0.052 ug/L
RT: 1.519 min Scan# 14
Delta R.T. 0.003 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

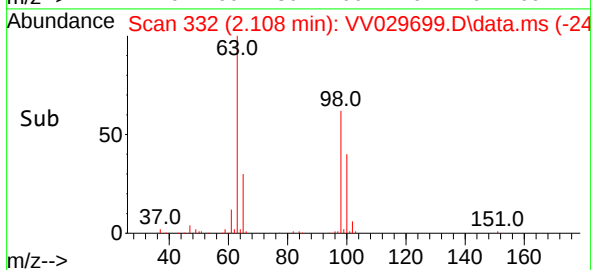
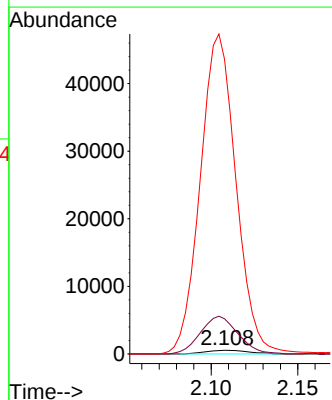
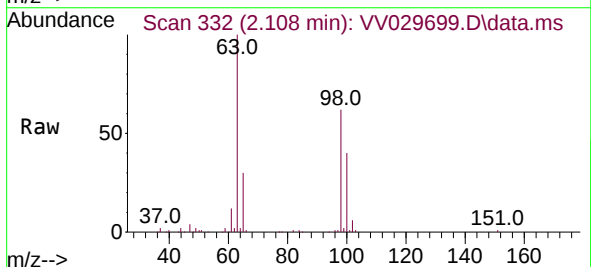
Instrument :
MSVOA_V
ClientSampleId :

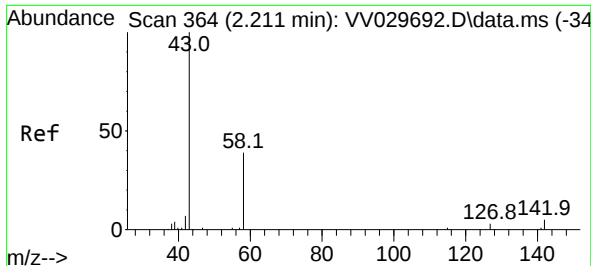
Tgt Ion: 94 Resp: 504
Ion Ratio Lower Upper
94 100
96 92.9 65.4 121.4



#12
1,1-Dichloroethene
Concen: 0.080 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.003 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

Tgt Ion: 96 Resp: 936
Ion Ratio Lower Upper
96 100
61 964.8 110.3 204.9#
63 8074.1 84.4 156.8#

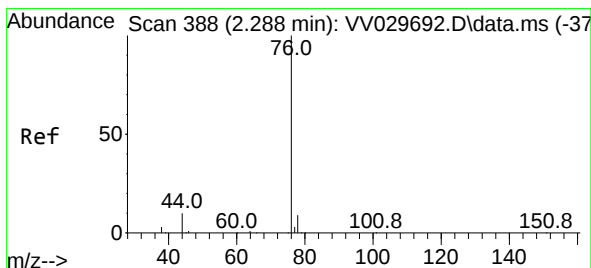
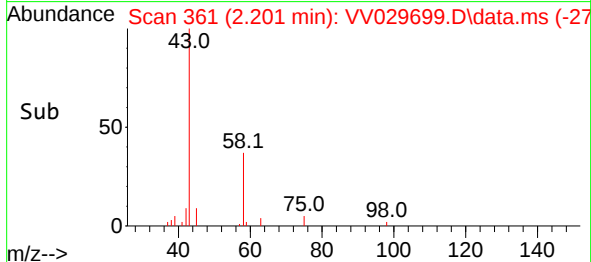
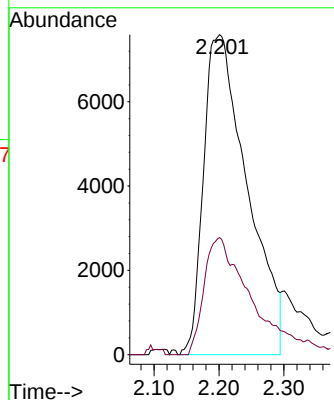
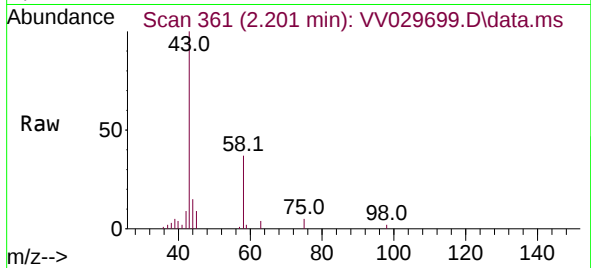




#13
Acetone
Concen: 20.890 ug/L
RT: 2.201 min Scan# 301
Delta R.T. -0.010 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

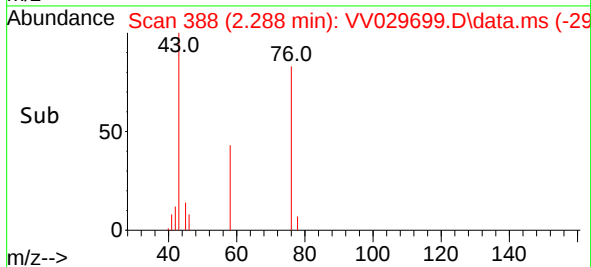
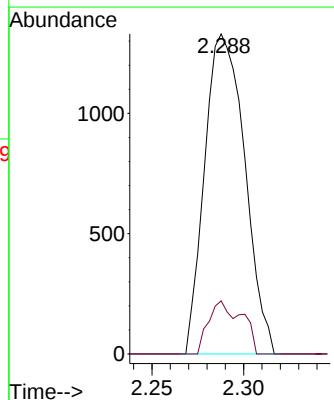
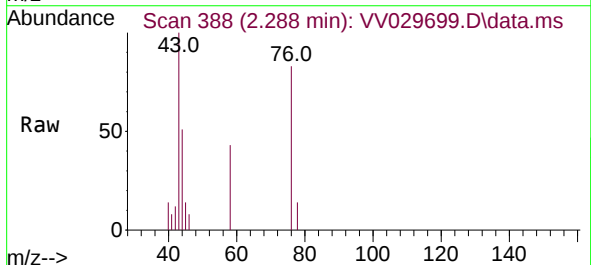
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MSVOA_V
ClientSampleId :

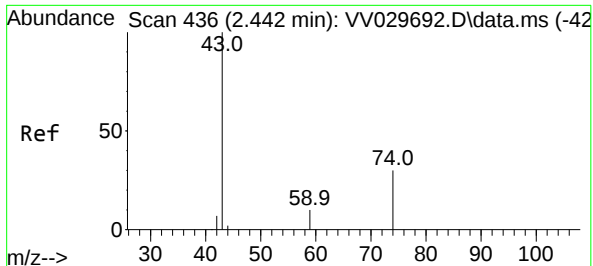
Tgt Ion: 43 Resp: 35526
Ion Ratio Lower Upper
43 100
58 38.6 0.0 70.8



#14
Carbon disulfide
Concen: 0.060 ug/L
RT: 2.288 min Scan# 388
Delta R.T. 0.000 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

Tgt Ion: 76 Resp: 2022
Ion Ratio Lower Upper
76 100
78 16.6 7.4 11.2#

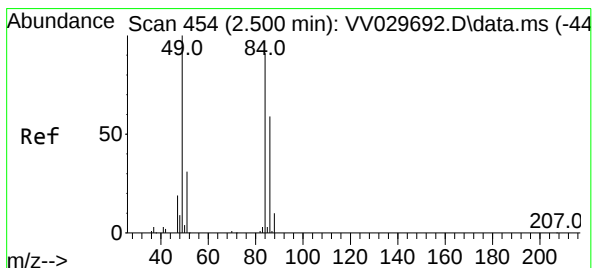
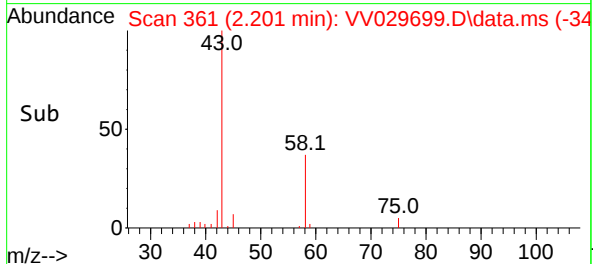
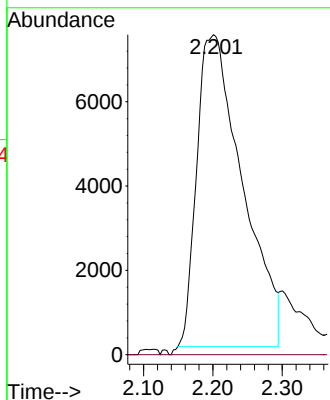
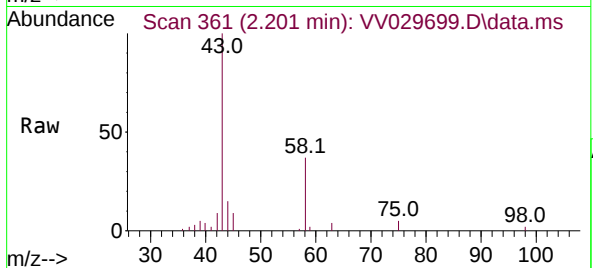




#15
Methyl Acetate
Concen: 6.916 ug/L
RT: 2.201 min Scan# 30
Delta R.T. -0.241 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

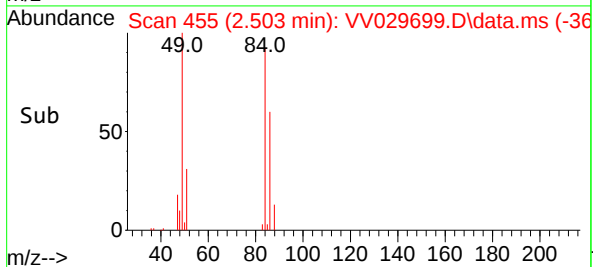
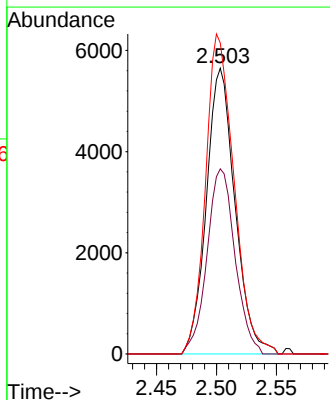
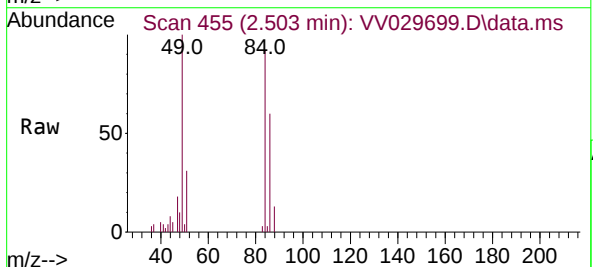
Instrument :
MSVOA_V
ClientSampleId :

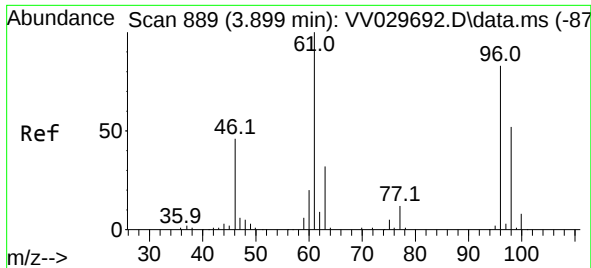
Tgt Ion: 43 Resp: 33802
Ion Ratio Lower Upper
43 100
74 0.0 19.6 29.4#



#16
Methylene chloride
Concen: 0.526 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.003 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

Tgt Ion: 84 Resp: 9391
Ion Ratio Lower Upper
84 100
86 64.8 45.6 84.6
49 108.8 77.8 144.4

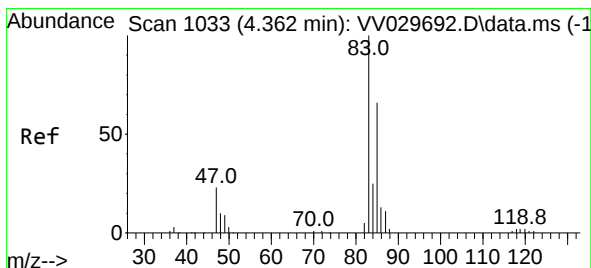
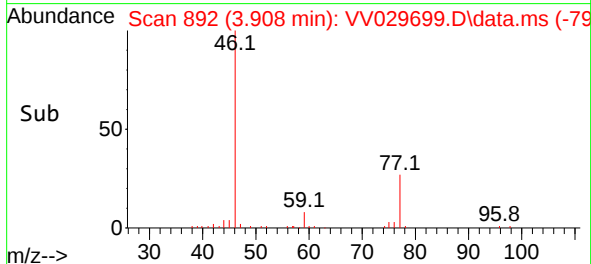
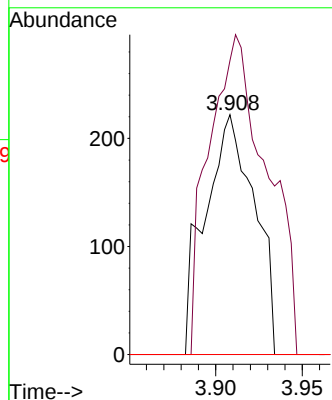
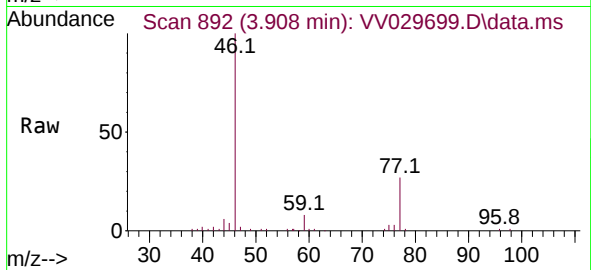




#22
 cis-1,2-Dichloroethene
 Concen: 0.029 ug/L
 RT: 3.908 min Scan# 891
 Delta R.T. 0.010 min
 Lab File: VV029699.D
 Acq: 16 Dec 2022 15:48

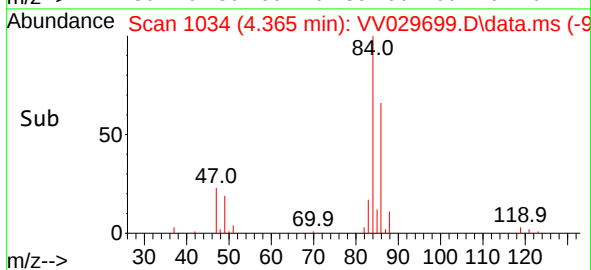
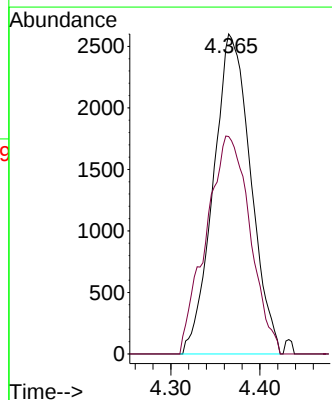
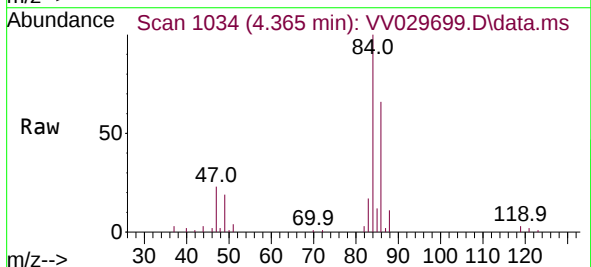
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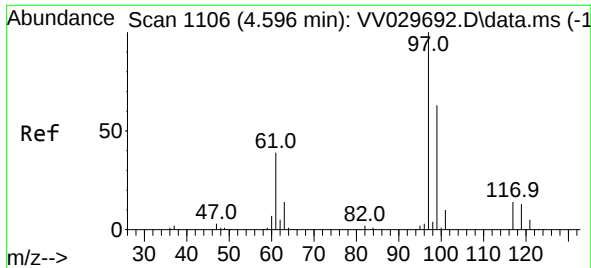
Tgt Ion: 96 Resp: 440
 Ion Ratio Lower Upper
 96 100
 61 122.5 85.8 159.3
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.300 ug/L
 RT: 4.365 min Scan# 1034
 Delta R.T. 0.003 min
 Lab File: VV029699.D
 Acq: 16 Dec 2022 15:48

Tgt Ion: 83 Resp: 7569
 Ion Ratio Lower Upper
 83 100
 85 68.0 45.4 84.4





#29

1,1,1-Trichloroethane

Concen: 0.025 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV029699.D

Acq: 16 Dec 2022 15:48

Instrument :

MSVOA_V

ClientSampleId :

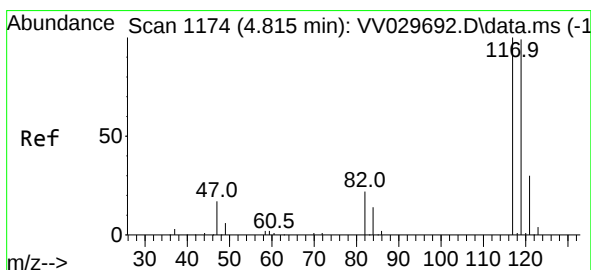
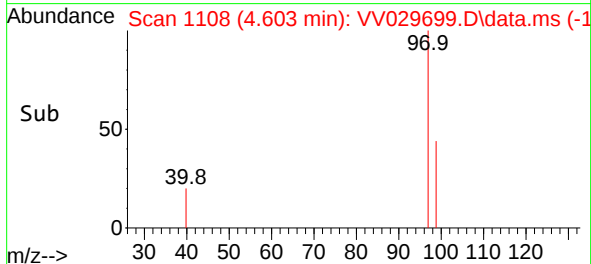
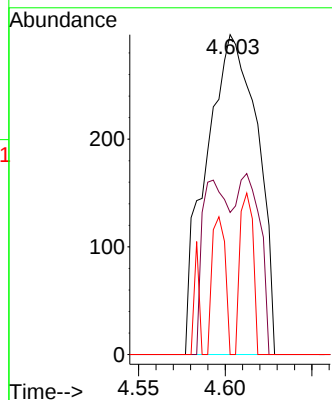
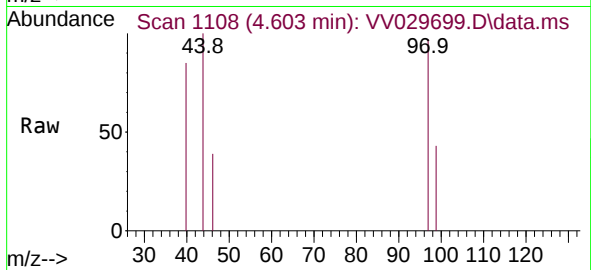
Tgt Ion: 97 Resp: 613

Ion Ratio Lower Upper

97 100

99 27.1 51.2 76.8#

61 12.9 33.3 49.9#



#31

Carbon tetrachloride

Concen: 0.028 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. 0.010 min

Lab File: VV029699.D

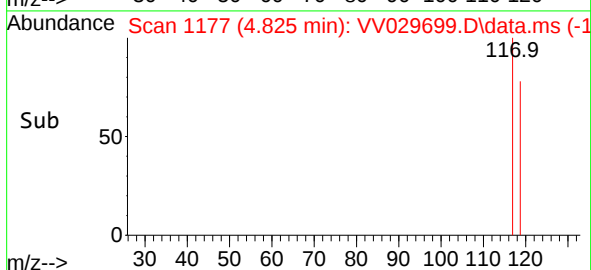
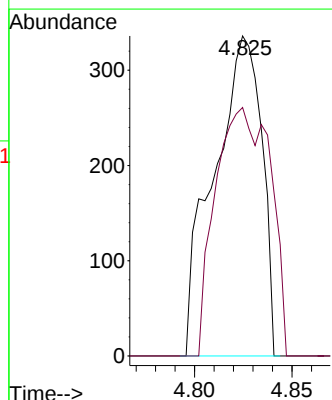
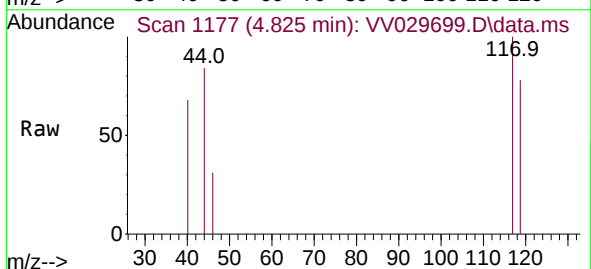
Acq: 16 Dec 2022 15:48

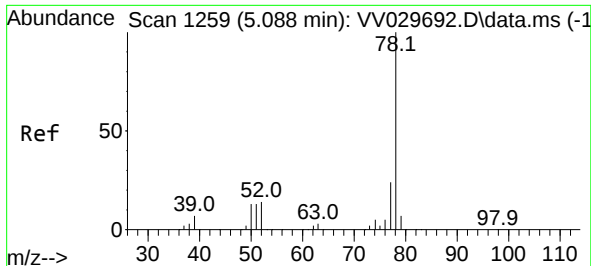
Tgt Ion: 117 Resp: 574

Ion Ratio Lower Upper

117 100

119 89.0 75.7 113.5

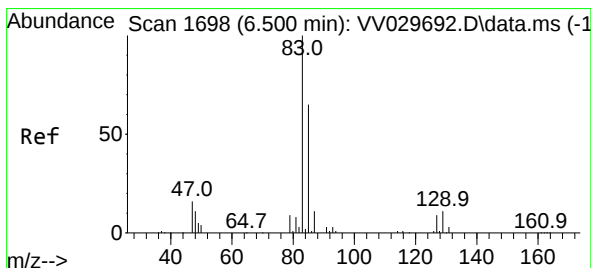
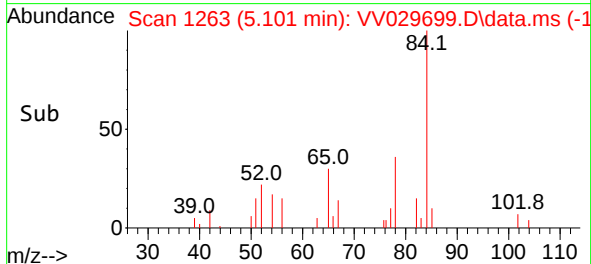
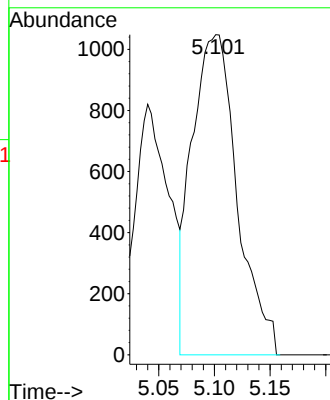
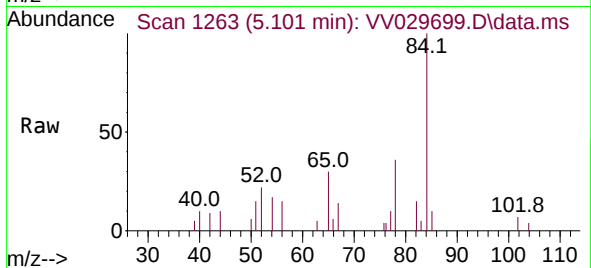




#33
Benzene
Concen: 0.047 ug/L
RT: 5.101 min Scan# 1702
Delta R.T. 0.013 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

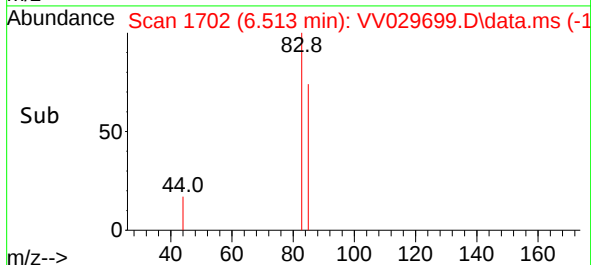
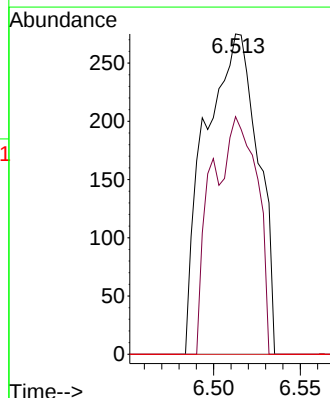
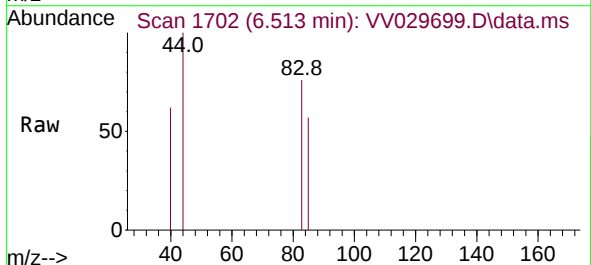
Instrument :
MSVOA_V
ClientSampleId :

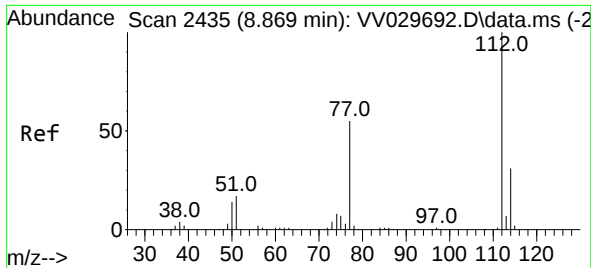
Tgt Ion: 78 Resp: 2959



#38
Bromodichloromethane
Concen: 0.033 ug/L
RT: 6.513 min Scan# 1702
Delta R.T. 0.013 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

Tgt Ion: 83 Resp: 582
Ion Ratio Lower Upper
83 100
85 74.2 44.7 83.1
127 0.0 7.4 11.2#

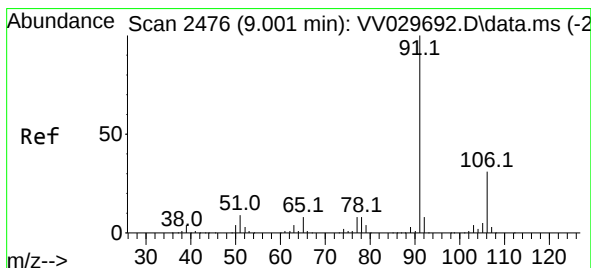
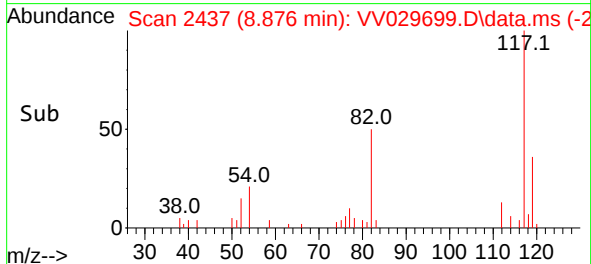
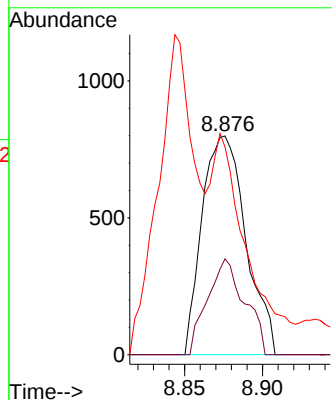
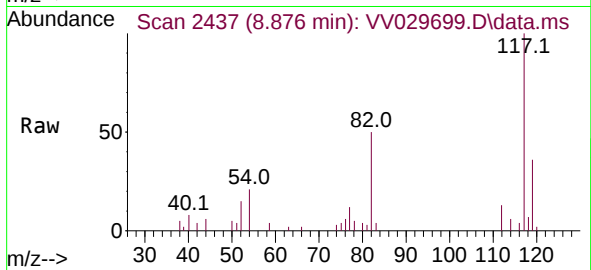




#51
Chlorobenzene
Concen: 0.037 ug/L
RT: 8.876 min Scan# 2435
Delta R.T. 0.006 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

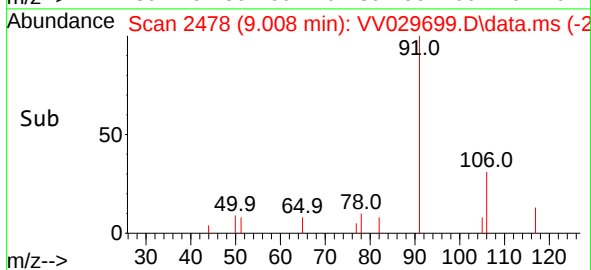
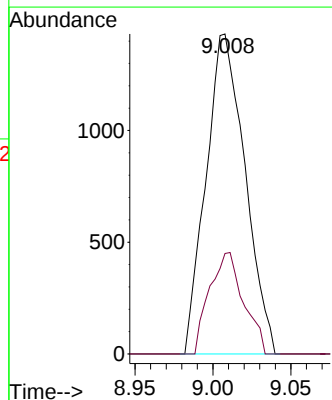
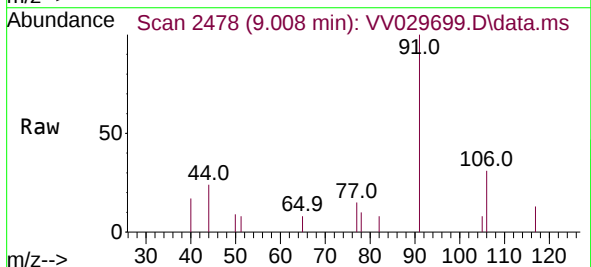
Instrument :
MSVOA_V
ClientSampleId :

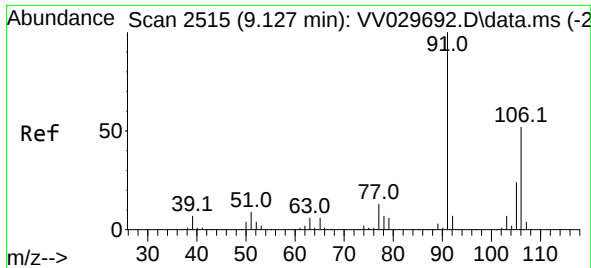
Tgt Ion:112 Resp: 1561
Ion Ratio Lower Upper
112 100
114 43.8 22.9 42.5#
77 95.0 45.3 67.9#



#52
Ethylbenzene
Concen: 0.035 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.006 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

Tgt Ion: 91 Resp: 2488
Ion Ratio Lower Upper
91 100
106 31.4 21.9 40.7

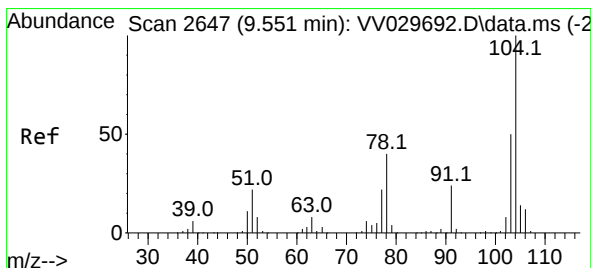
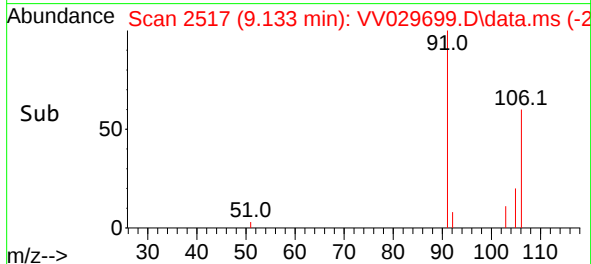
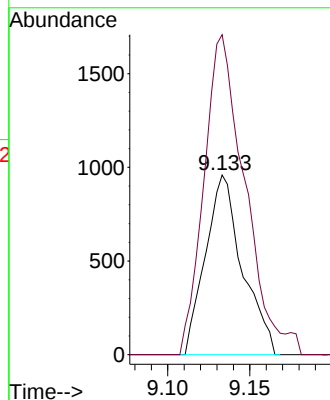
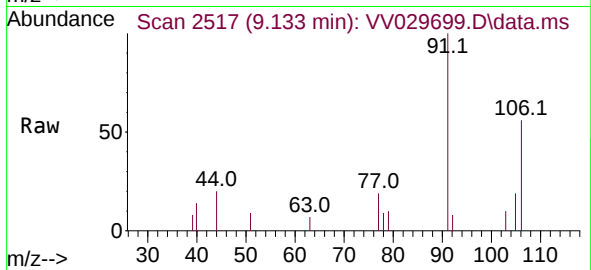




#53
m,p-Xylene
Concen: 0.054 ug/L
RT: 9.133 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

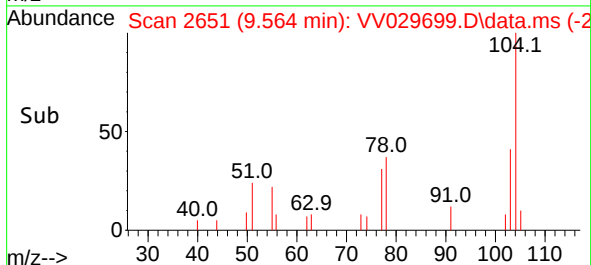
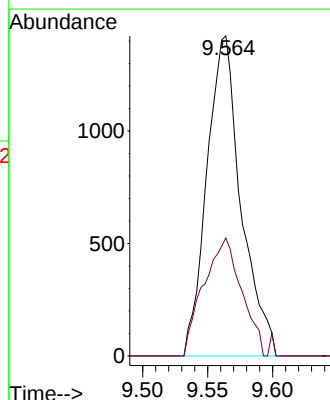
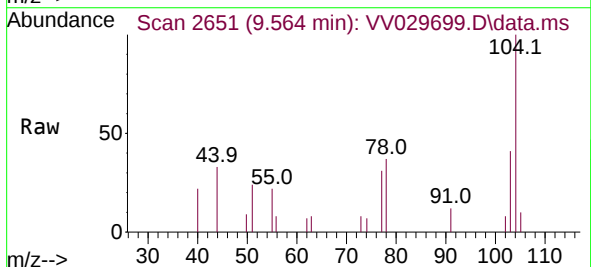
Instrument :
MSVOA_V
ClientSampleId :

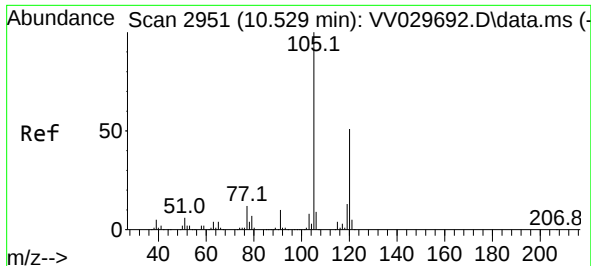
Tgt Ion:106 Resp: 1499
Ion Ratio Lower Upper
106 100
91 178.1 140.6 261.2



#55
Styrene
Concen: 0.057 ug/L
RT: 9.564 min Scan# 2651
Delta R.T. 0.013 min
Lab File: VV029699.D
Acq: 16 Dec 2022 15:48

Tgt Ion:104 Resp: 2595
Ion Ratio Lower Upper
104 100
78 36.8 29.9 55.5





#62

1,3,5-Trimethylbenzene

Concen: 0.032 ug/L

RT: 10.525 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VV029699.D

Acq: 16 Dec 2022 15:48

Instrument :

MSVOA_V

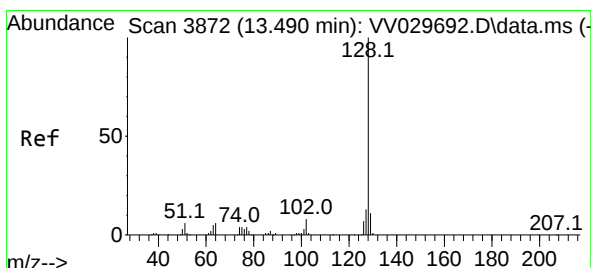
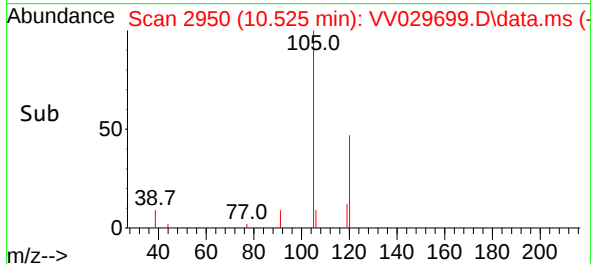
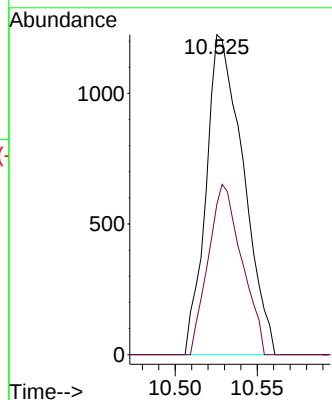
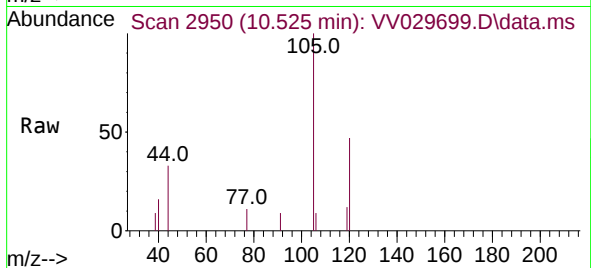
ClientSampleId :

Tgt Ion:105 Resp: 1927

Ion Ratio Lower Upper

105 100

120 48.1 39.6 59.4



#71

Naphthalene

Concen: 0.128 ug/L

RT: 13.496 min Scan# 3874

Delta R.T. 0.006 min

Lab File: VV029699.D

Acq: 16 Dec 2022 15:48

Tgt Ion:128 Resp: 2394

Ion Ratio Lower Upper

128 100

129 5.7 8.9 13.3#

127 15.7 10.6 15.8

