

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121521\
 Data File : VW023992.D
 Acq On : 15 Dec 2021 19:38
 Operator : SY/MD
 Sample : M4971-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3E0

Quant Time: Dec 16 04:52:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121021WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 16 04:44:29 2021
 Response via : Initial Calibration

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

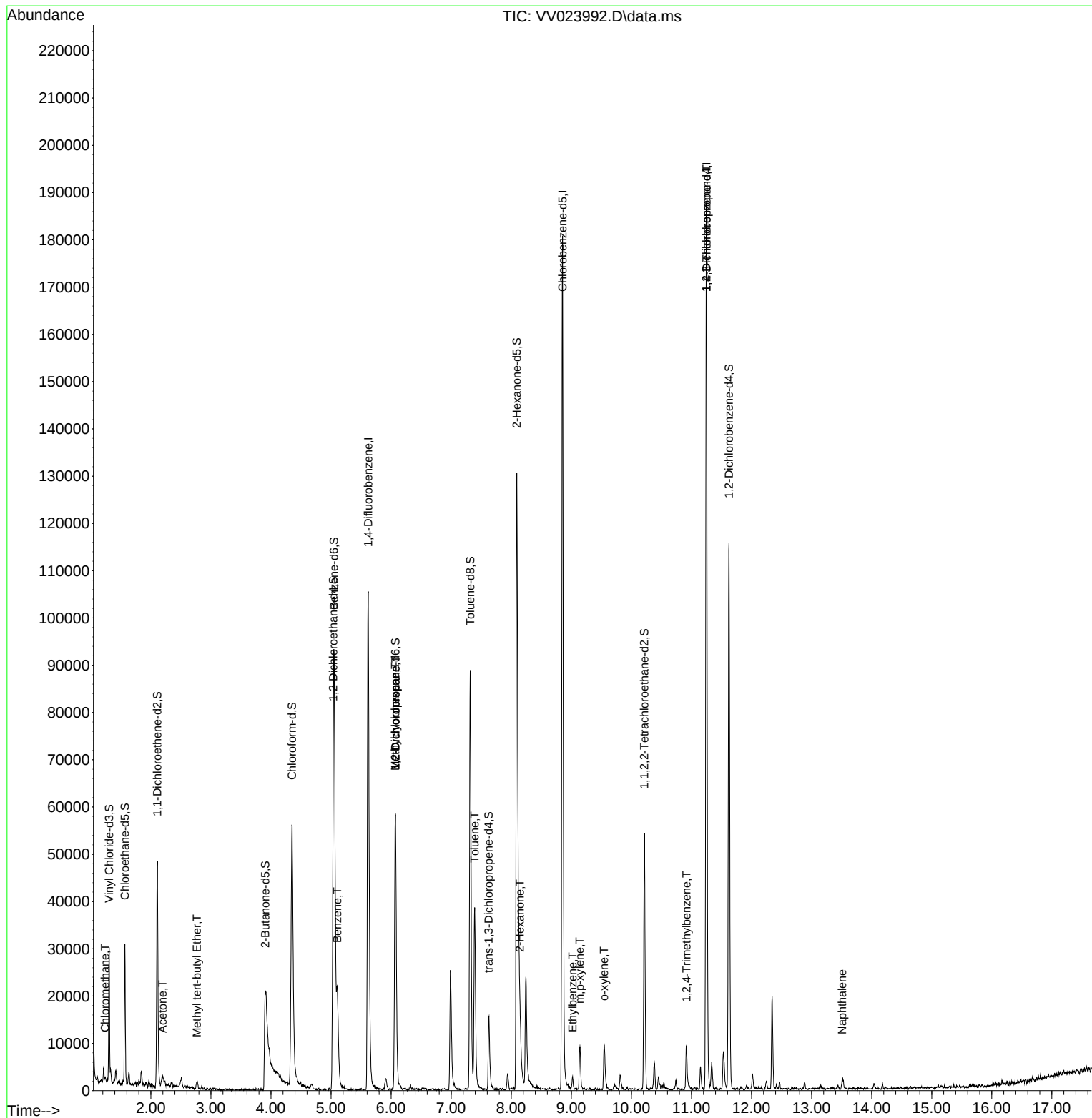
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	93790	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	102439	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	49925	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	16708	3.314	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.200%
7) Chloroethane-d5	1.568	69	17006	4.043	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	2.108	63	23375	2.375	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.600%#
20) 2-Butanone-d5	3.905	46	44380	45.053	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.100%
24) Chloroform-d	4.349	84	52318	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.037	65	27161	5.108	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	5.050	84	78608	3.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.072	67	27320	4.463	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.200%
41) Toluene-d8	7.317	98	59188	3.240	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.800%#
43) trans-1,3-Dichloroprop...	7.625	79	9416	3.708	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.092	63	51834	45.595	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.200%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	23569	4.641	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	31764	4.763	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	761	0.109	ug/L	90
13) Acetone	2.195	43	3584	4.548	ug/L	91
17) Methyl tert-butyl Ether	2.767	73	1407	0.099	ug/L #	89
33) Benzene	5.105	78	22008	0.759	ug/L	100
35) Methylcyclohexane	6.069	83	7203	0.599	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	3517	0.511	ug/L #	84
42) Toluene	7.391	91	30299	0.929	ug/L	97
48) 2-Hexanone	8.143	43	3270	1.363	ug/L #	97
52) Ethylbenzene	9.021	91	2101	0.061	ug/L	99
53) m,p-xylene	9.140	106	2901	0.213	ug/L	92
54) o-xylene	9.545	106	2913	0.221	ug/L	82
61) 1,2,3-Trichloropropane	11.249	75	5984	1.759	ug/L #	64
63) 1,2,4-Trimethylbenzene	10.918	105	5514	0.228	ug/L	90
71) Naphthalene	13.509	128	1959	0.141	ug/L #	76

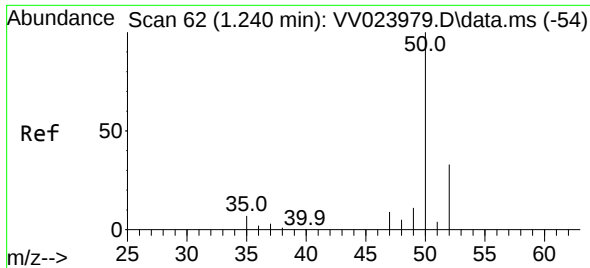
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
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Response via : Initial Calibration

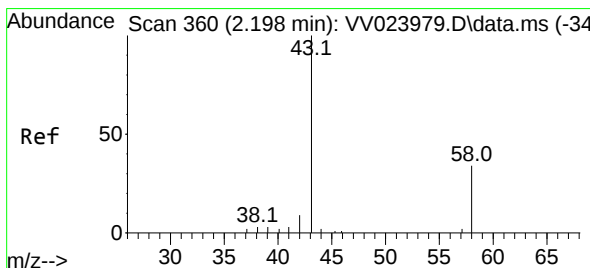
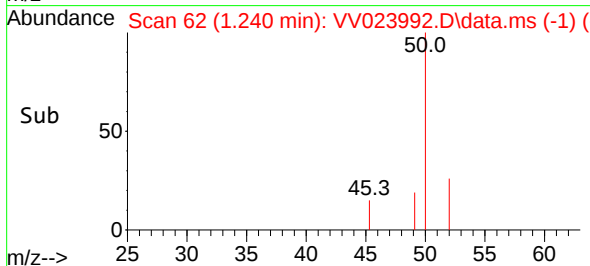
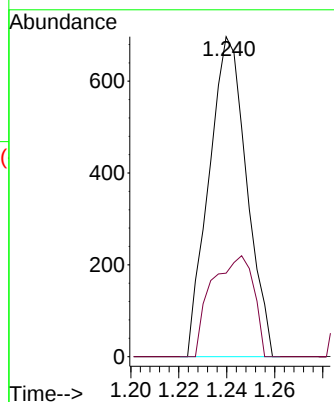
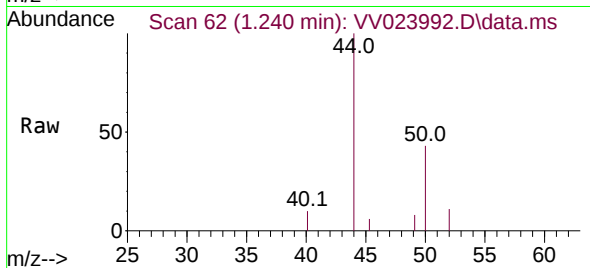




#3
Chloromethane
Concen: 0.109 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023992.D
Acq: 15 Dec 2021 19:38

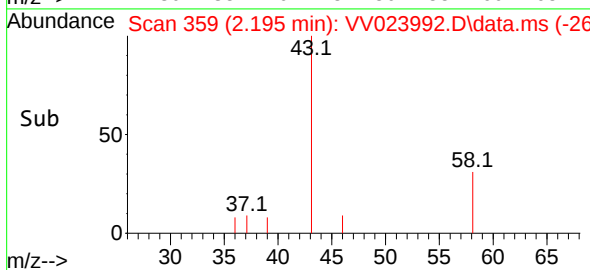
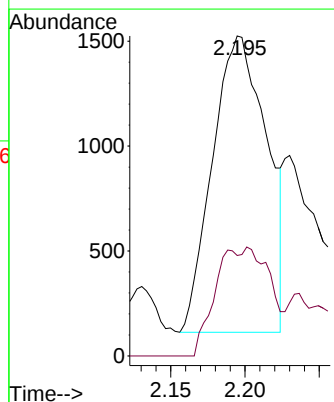
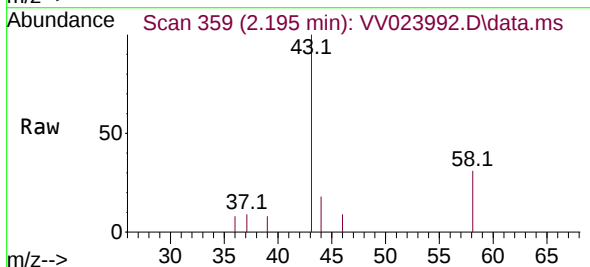
Instrument :
MSVOA_V
ClientSampleId :
BG3E0

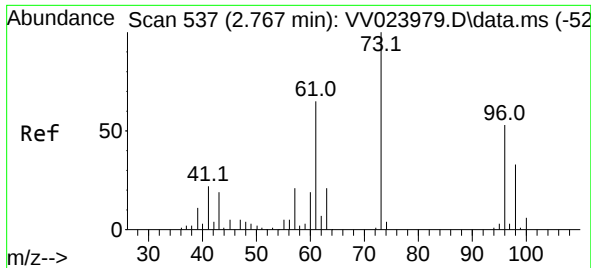
Tgt Ion: 50 Resp: 761
Ion Ratio Lower Upper
50 100
52 26.1 22.0 41.0



#13
Acetone
Concen: 4.548 ug/L
RT: 2.195 min Scan# 359
Delta R.T. -0.003 min
Lab File: VV023992.D
Acq: 15 Dec 2021 19:38

Tgt Ion: 43 Resp: 3584
Ion Ratio Lower Upper
43 100
58 16.4 0.0 41.4

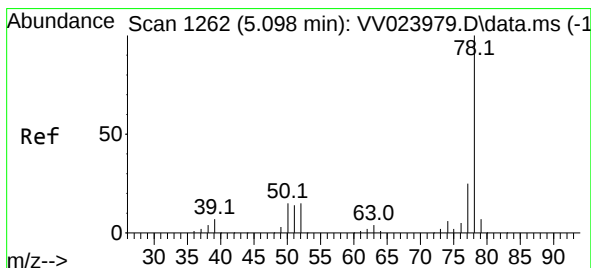
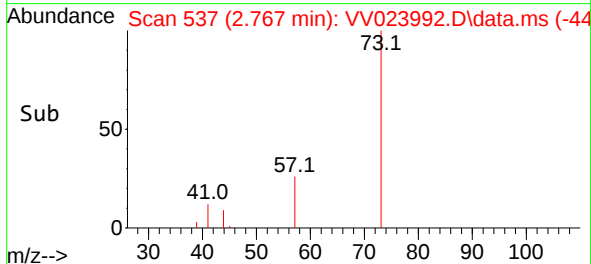
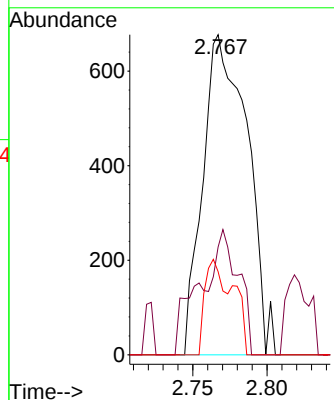
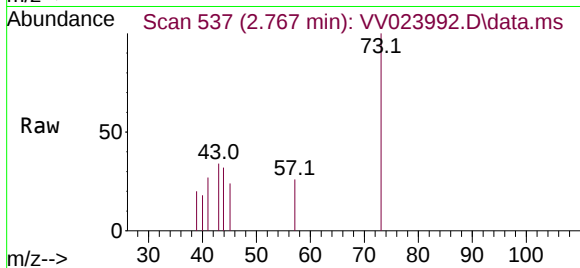




#17
Methyl tert-butyl Ether
Concen: 0.099 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV023992.D
Acq: 15 Dec 2021 19:38

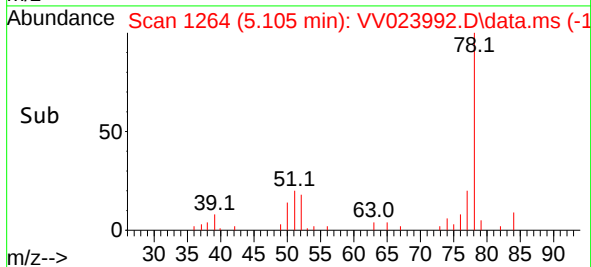
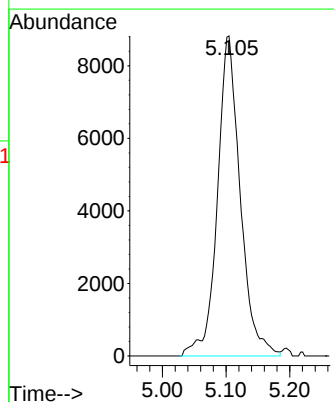
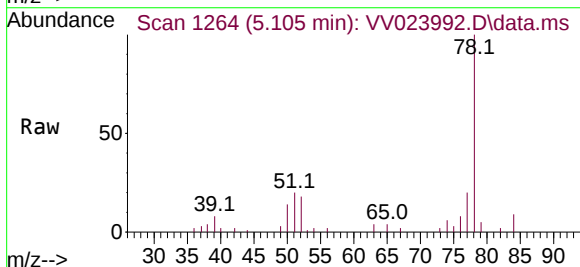
Instrument :
MSVOA_V
ClientSampleId :
BG3E0

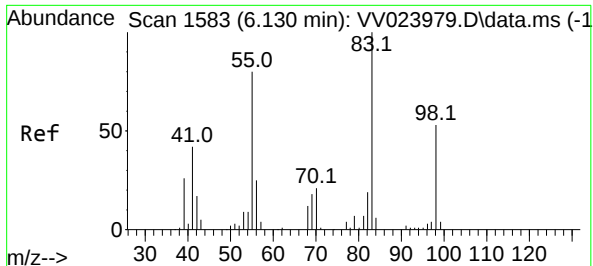
Tgt Ion: 73 Resp: 1407
Ion Ratio Lower Upper
73 100
43 21.0 15.5 23.3
57 13.1 17.1 25.7#



#33
Benzene
Concen: 0.759 ug/L
RT: 5.105 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VV023992.D
Acq: 15 Dec 2021 19:38

Tgt Ion: 78 Resp: 22008





#35

Methylcyclohexane

Concen: 0.599 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.061 min

Lab File: VV023992.D

Acq: 15 Dec 2021 19:38

Instrument :

MSVOA_V

ClientSampleId :

BG3E0

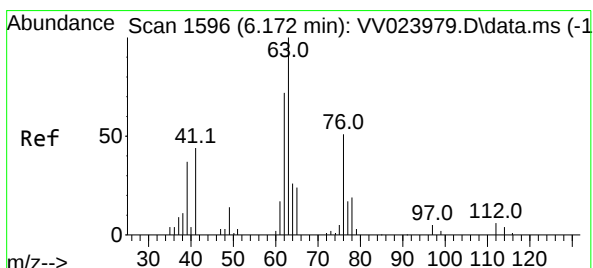
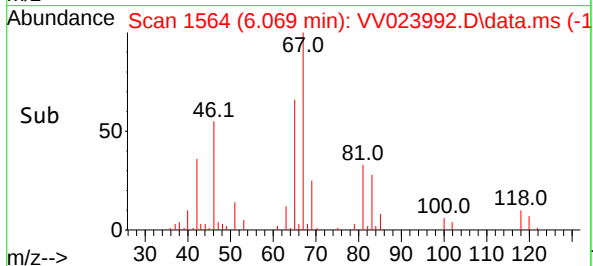
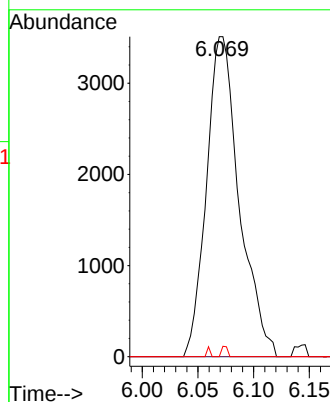
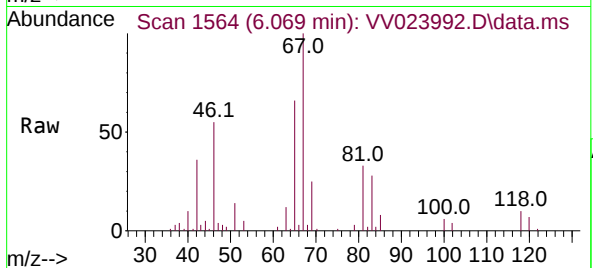
Tgt Ion: 83 Resp: 7203

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

98 0.6 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.511 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV023992.D

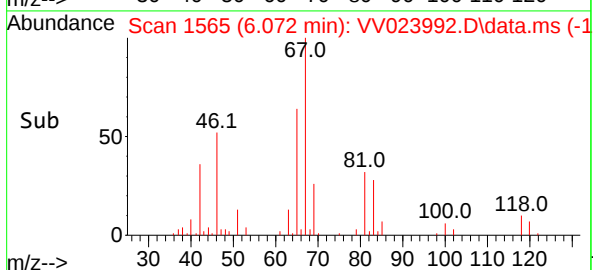
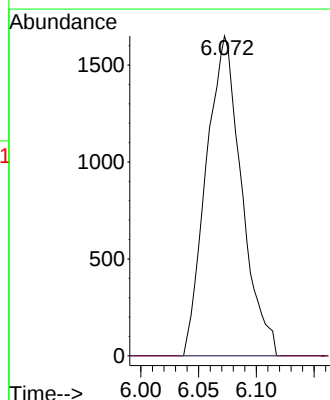
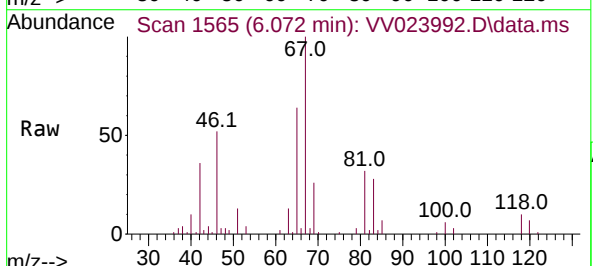
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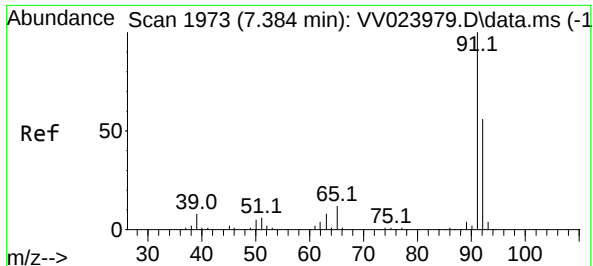
Tgt Ion: 63 Resp: 3517

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#42

Toluene

Concen: 0.929 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV023992.D

Acq: 15 Dec 2021 19:38

Instrument :

MSVOA_V

ClientSampleId :

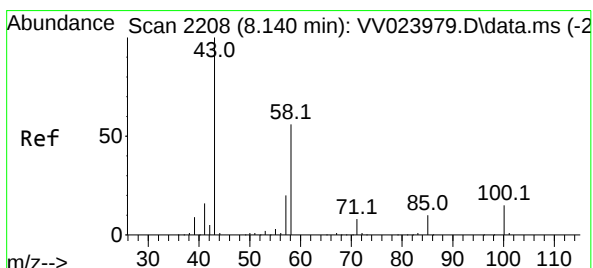
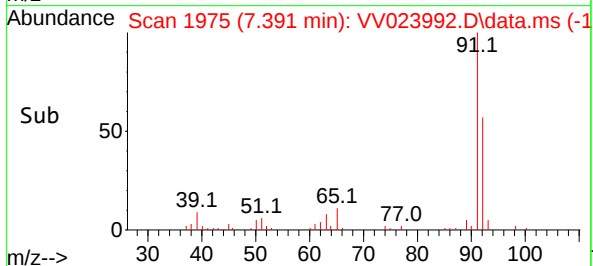
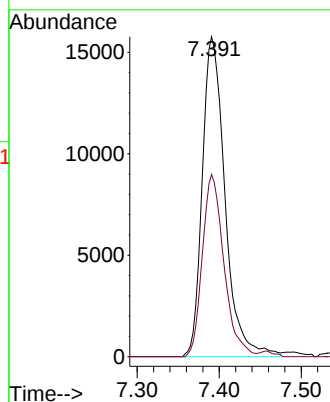
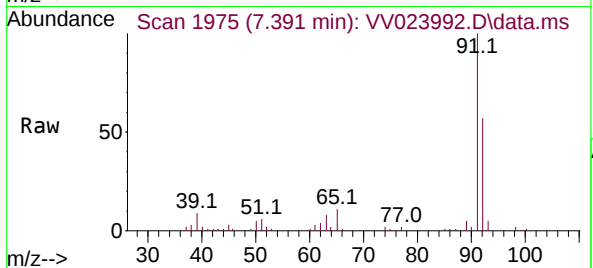
BG3E0

Tgt Ion: 91 Resp: 30299

Ion Ratio Lower Upper

91 100

92 56.9 41.5 77.1



#48

2-Hexanone

Concen: 1.363 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV023992.D

Acq: 15 Dec 2021 19:38

Tgt Ion: 43 Resp: 3270

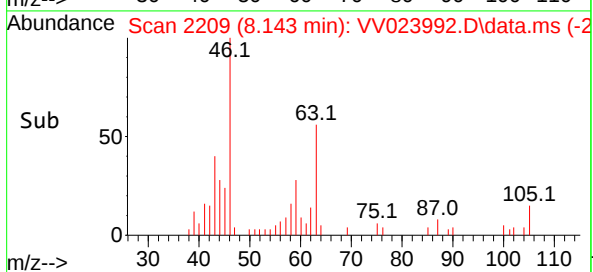
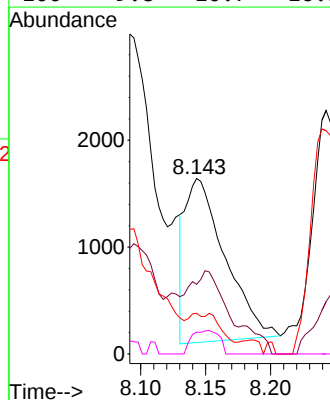
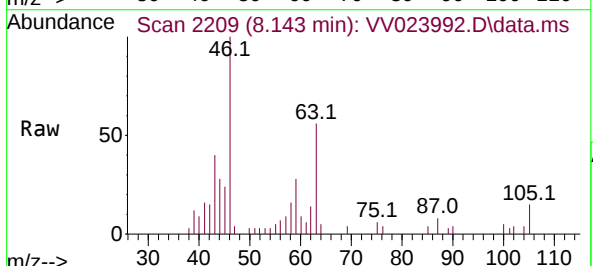
Ion Ratio Lower Upper

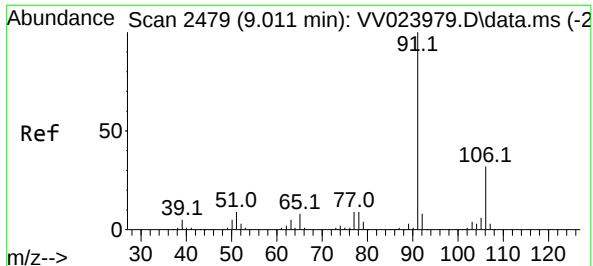
43 100

58 54.8 44.5 66.7

57 21.0 15.1 22.7

100 9.8 10.7 16.1#





#52

Ethylbenzene

Concen: 0.061 ug/L

RT: 9.021 min Scan# 2479

Delta R.T. 0.010 min

Lab File: VV023992.D

Acq: 15 Dec 2021 19:38

Instrument :

MSVOA_V

ClientSampleId :

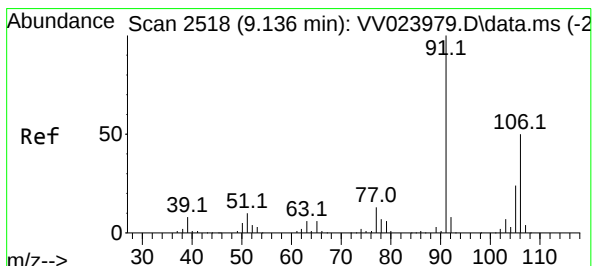
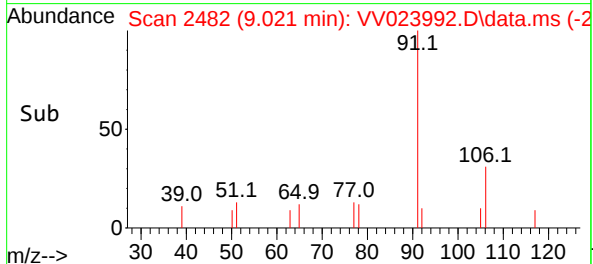
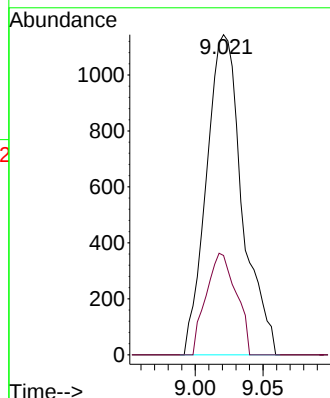
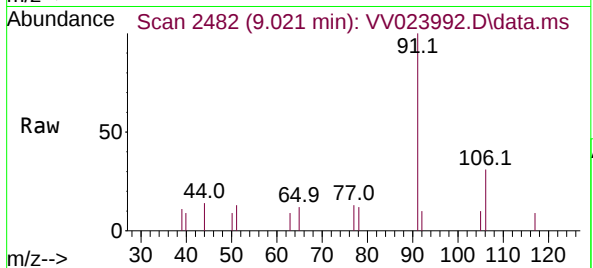
BG3E0

Tgt Ion: 91 Resp: 2101

Ion Ratio Lower Upper

91 100

106 31.0 22.0 41.0



#53

m,p-xylene

Concen: 0.213 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.003 min

Lab File: VV023992.D

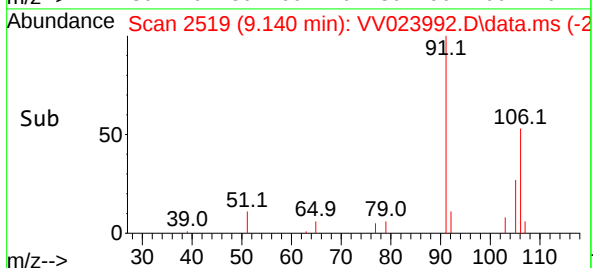
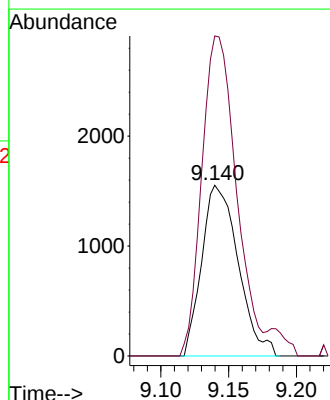
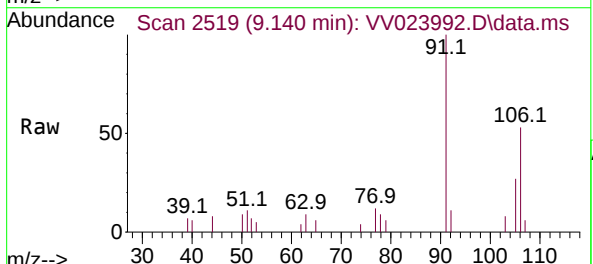
Acq: 15 Dec 2021 19:38

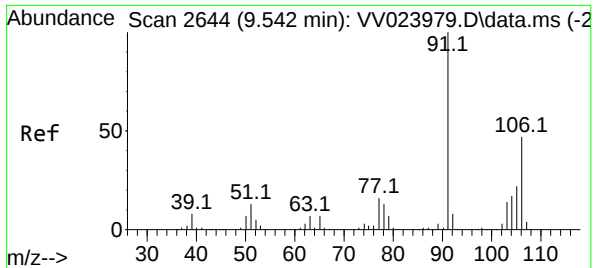
Tgt Ion: 106 Resp: 2901

Ion Ratio Lower Upper

106 100

91 187.4 139.5 259.1

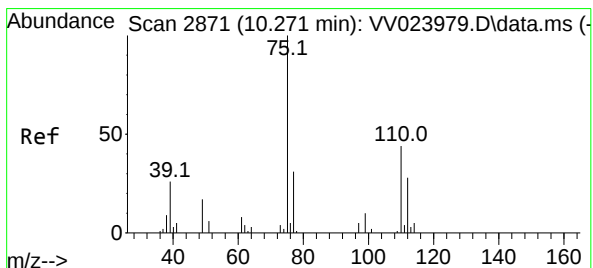
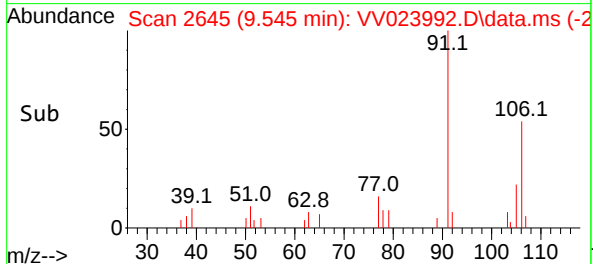
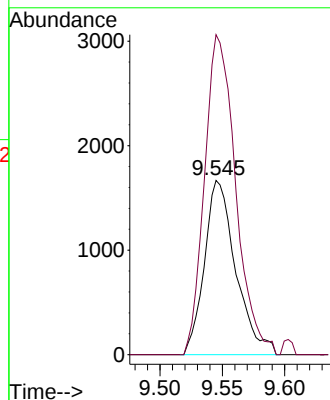
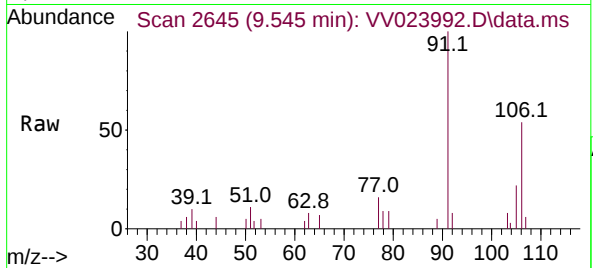




#54
o-xylene
Concen: 0.221 ug/L
RT: 9.545 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV023992.D
Acq: 15 Dec 2021 19:38

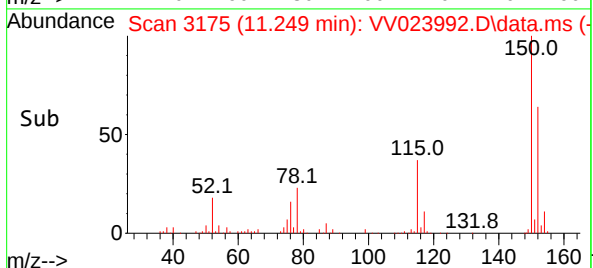
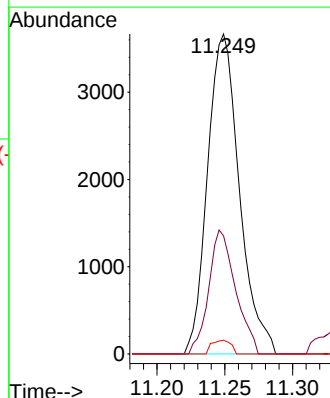
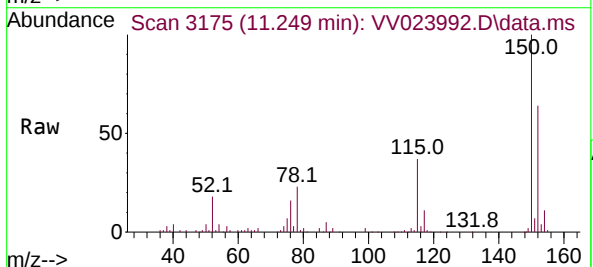
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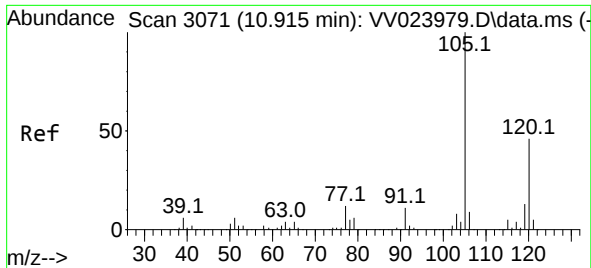
Tgt Ion:106 Resp: 2913
Ion Ratio Lower Upper
106 100
91 183.6 147.9 274.7



#61
1,2,3-Trichloropropane
Concen: 1.759 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.978 min
Lab File: VV023992.D
Acq: 15 Dec 2021 19:38

Tgt Ion: 75 Resp: 5984
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6
110 2.6 34.2 51.2#

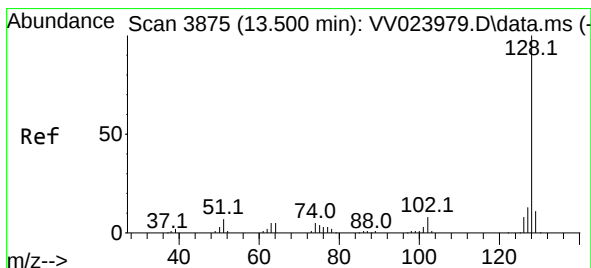
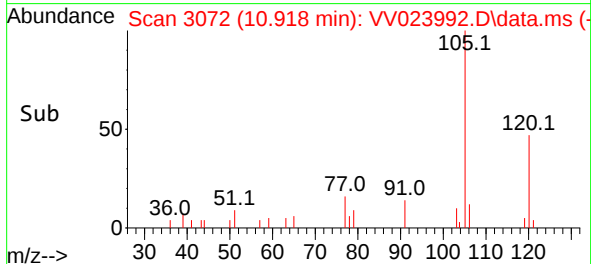
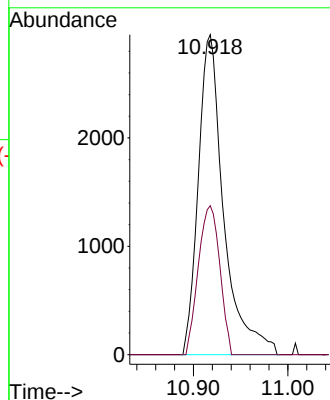
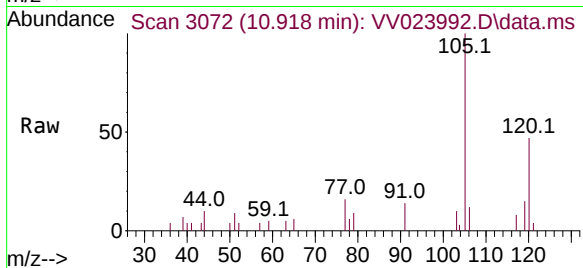




#63
1,2,4-Trimethylbenzene
Concen: 0.228 ug/L
RT: 10.918 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VV023992.D
Acq: 15 Dec 2021 19:38

Instrument :
MSVOA_V
ClientSampleId :
BG3E0

Tgt Ion:105 Resp: 5514
Ion Ratio Lower Upper
105 100
120 39.2 36.7 55.1



#71
Naphthalene
Concen: 0.141 ug/L
RT: 13.509 min Scan# 3878
Delta R.T. 0.010 min
Lab File: VV023992.D
Acq: 15 Dec 2021 19:38

Tgt Ion:128 Resp: 1959
Ion Ratio Lower Upper
128 100
129 4.3 9.0 13.4#
127 1.0 10.2 15.4#

