

Data File : VV012030.D
Acq On : 25 Jul 2019 15:57
Operator : SY/MD
Sample : K3960-03
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB9A8

Quant Time: Jul 26 02:39:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	133716	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	132210	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	68179	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27123	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.58	69	23670	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.13	63	43306	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	3.93	46	97061	47.78	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.56%
24) Chloroform-d	4.40	84	77552	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.08	65	45118	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	157444	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.12	67	47721	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.36	98	143756	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.66	79	17386	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.13	63	82534	47.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	34637	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	61042	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

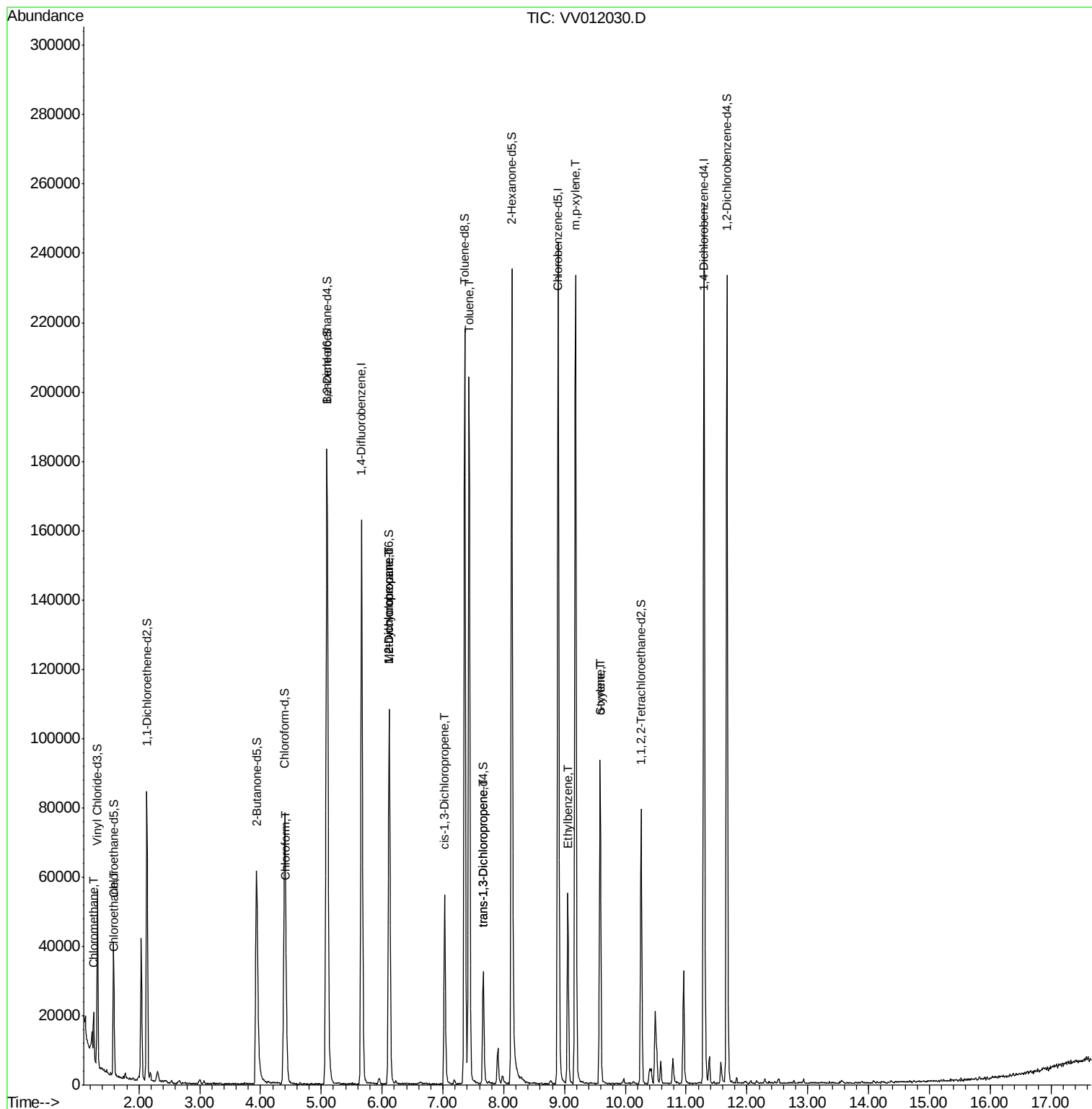
					Qvalue
3) Chloromethane	1.25	50	8241	1.028	ug/L 99
8) Chloroethane	1.60	64	507	0.104	ug/L # 43
25) Chloroform	4.43	83	6525	0.323	ug/L 99
35) Methylcyclohexane	6.12	83	12188	0.725	ug/L # 17
37) 1,2-Dichloropropane	6.12	63	5706	0.610	ug/L # 85
39) cis-1,3-Dichloropropene	7.03	75	1421	0.103	ug/L # 31
42) Toluene	7.43	91	141639	3.393	ug/L 98
44) trans-1,3-Dichloropropene	7.66	75	967	0.088	ug/L 87
52) Ethylbenzene	9.05	91	37497	0.787	ug/L 100
53) m,p-xylene	9.18	106	66270	3.654	ug/L 98
54) o-xylene	9.59	106	25534	1.485	ug/L 91
55) Styrene	9.59	104	2117	0.073	ug/L # 1

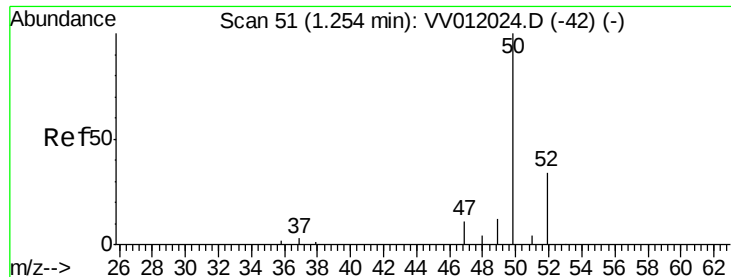
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.028 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012030.D

Acq: 25 Jul 2019 15:57

Instrument :

MSVOA_V

ClientSampleId :

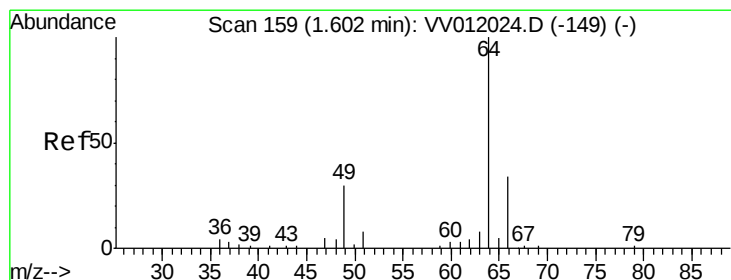
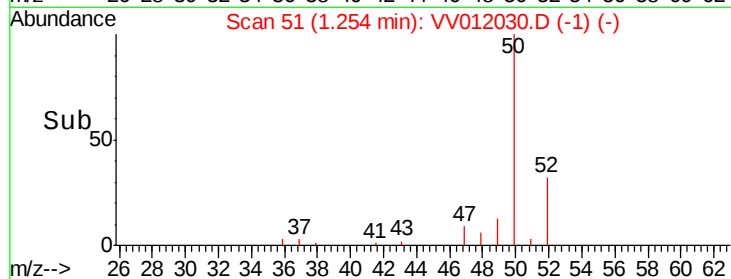
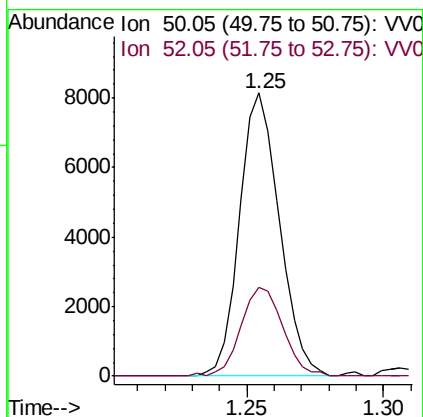
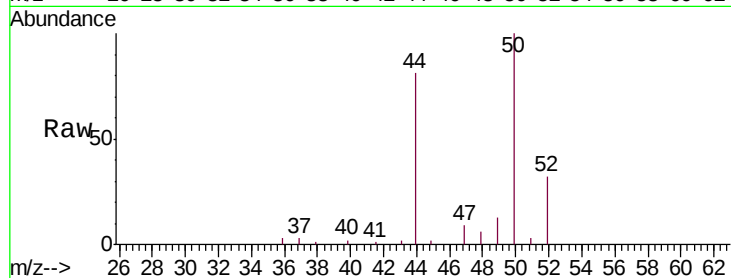
DB9A8

Tgt Ion: 50 Resp: 8241

Ion Ratio Lower Upper

50 100

52 31.6 21.6 40.2



#8

Chloroethane

Concen: 0.104 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012030.D

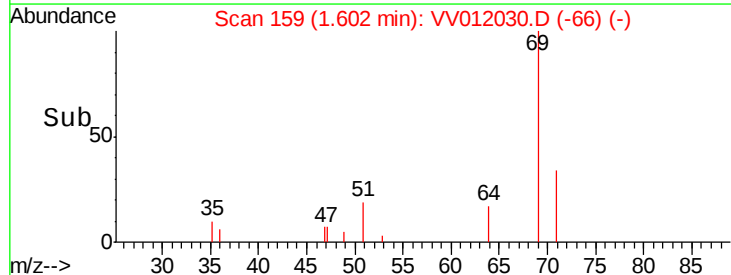
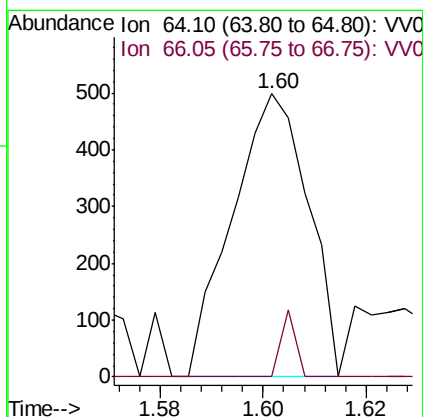
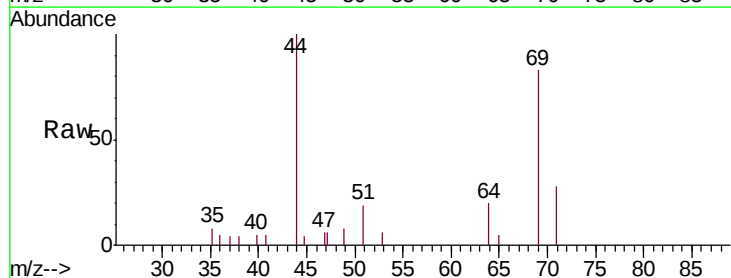
Acq: 25 Jul 2019 15:57

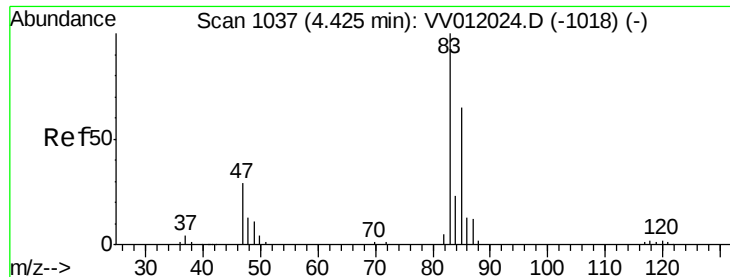
Tgt Ion: 64 Resp: 507

Ion Ratio Lower Upper

64 100

66 0.0 21.8 40.6#

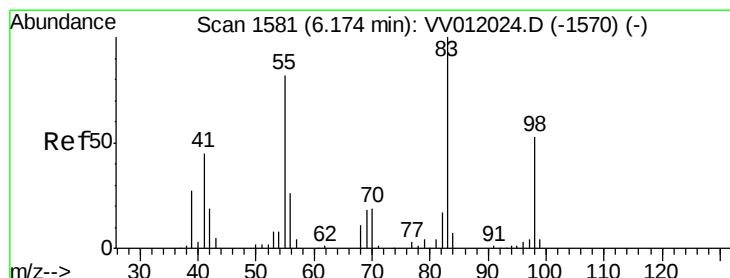
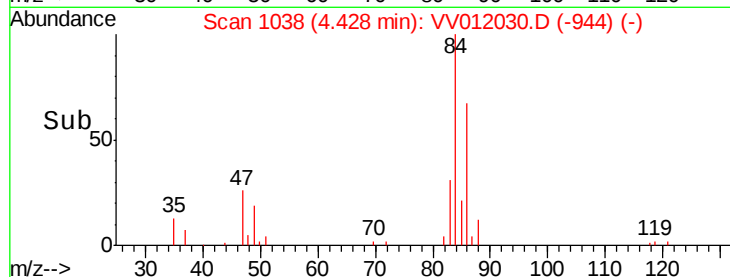
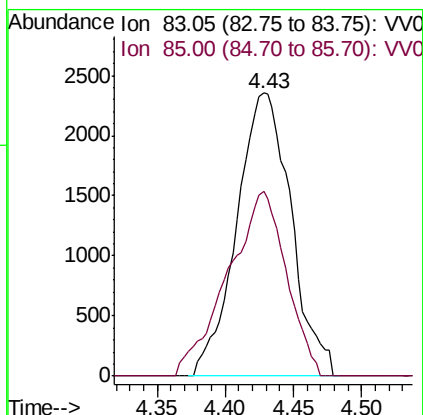
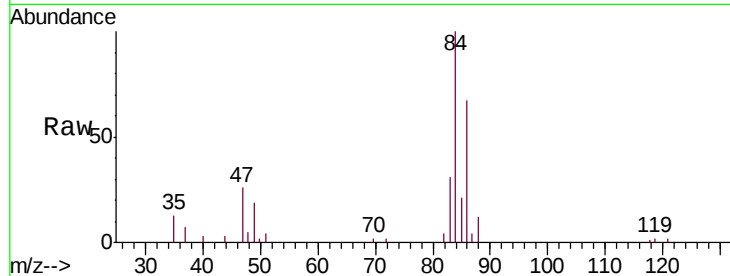




#25
Chloroform
Concen: 0.323 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012030.D
Acq: 25 Jul 2019 15:57

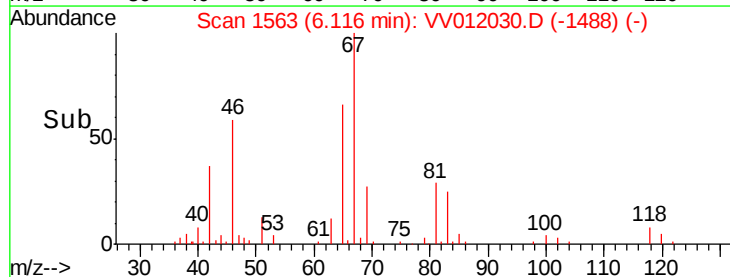
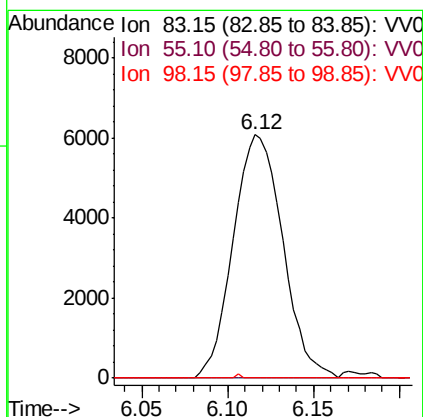
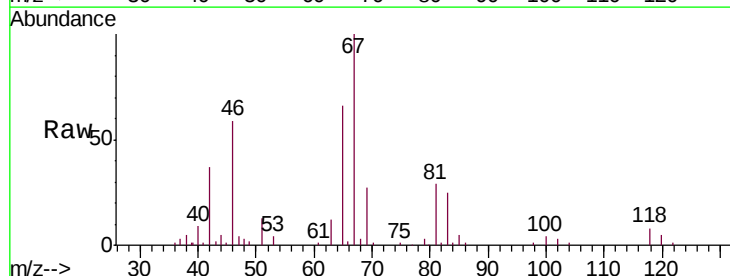
Instrument :
MSVOA_V
ClientSampled :
DB9A8

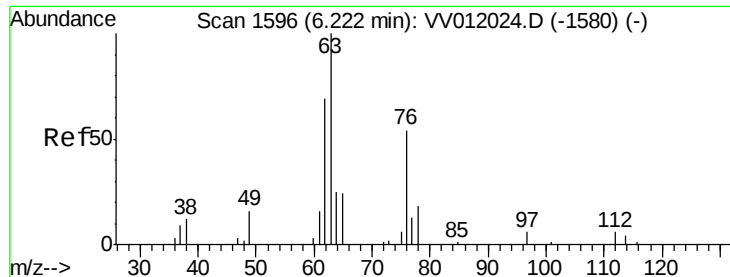
Tgt Ion: 83 Resp: 6525
Ion Ratio Lower Upper
83 100
85 65.4 46.5 86.3



#35
Methylcyclohexane
Concen: 0.725 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012030.D
Acq: 25 Jul 2019 15:57

Tgt Ion: 83 Resp: 12188
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 0.2 41.4 62.0#

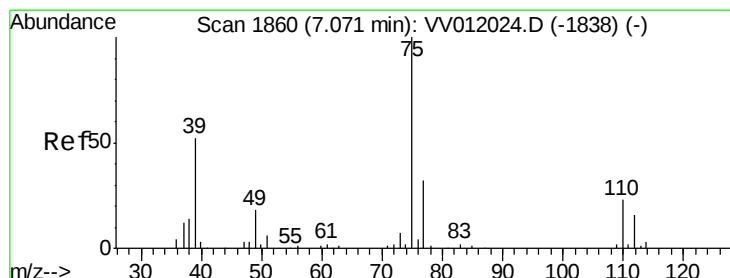
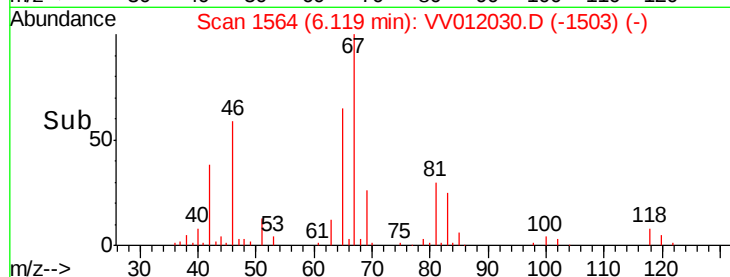
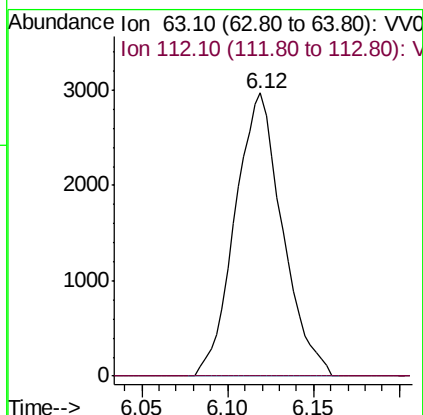
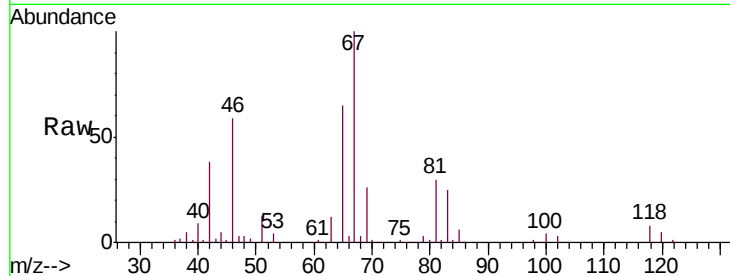




#37
 1,2-Dichloropropane
 Concen: 0.610 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV012030.D
 Acq: 25 Jul 2019 15:57

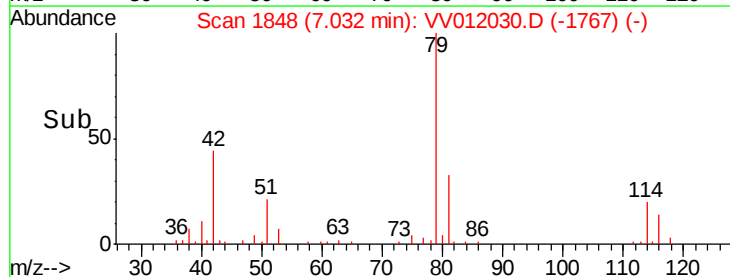
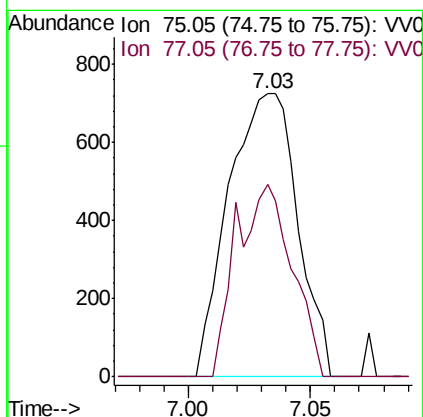
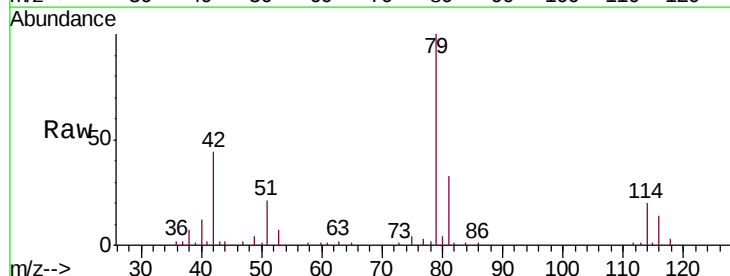
Instrument :
 MSVOA_V
 ClientSampleId :
 DB9A8

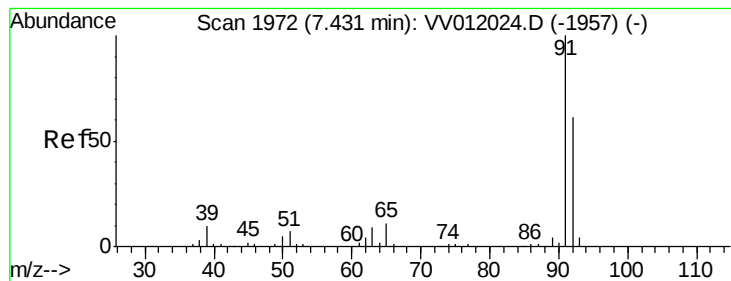
Tgt Ion: 63 Resp: 5706
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.2 6.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV012030.D
 Acq: 25 Jul 2019 15:57

Tgt Ion: 75 Resp: 1421
 Ion Ratio Lower Upper
 75 100
 77 68.1 21.3 39.6#





#42

Toluene

Concen: 3.393 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012030.D

Acq: 25 Jul 2019 15:57

Instrument :

MSVOA_V

ClientSampleId :

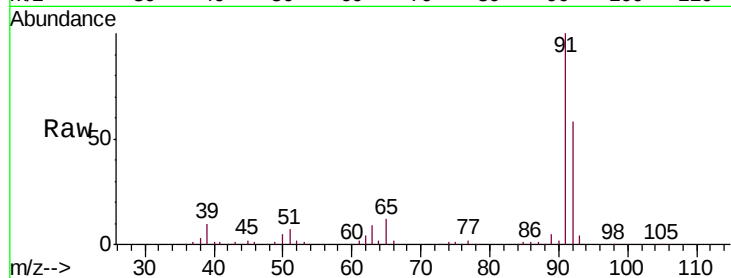
DB9A8

Tgt Ion: 91 Resp: 141639

Ion Ratio Lower Upper

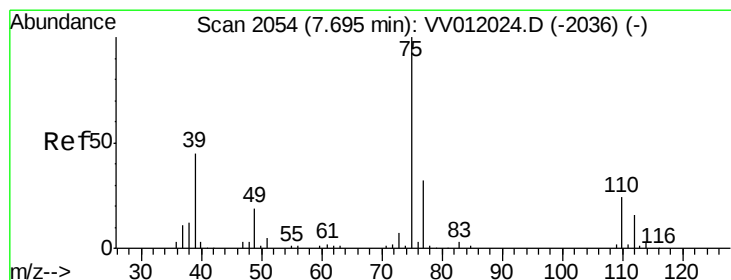
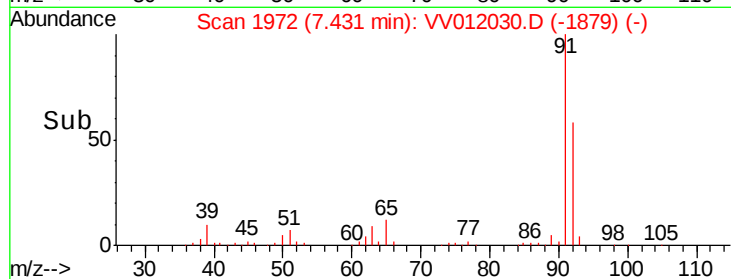
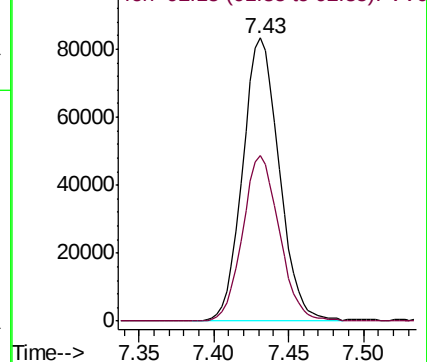
91 100

92 58.3 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV012024.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012024.D (-1957) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012030.D

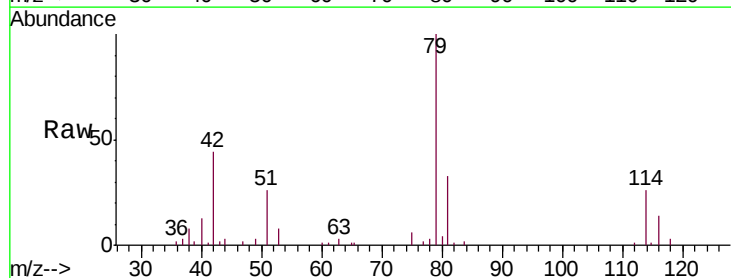
Acq: 25 Jul 2019 15:57

Tgt Ion: 75 Resp: 967

Ion Ratio Lower Upper

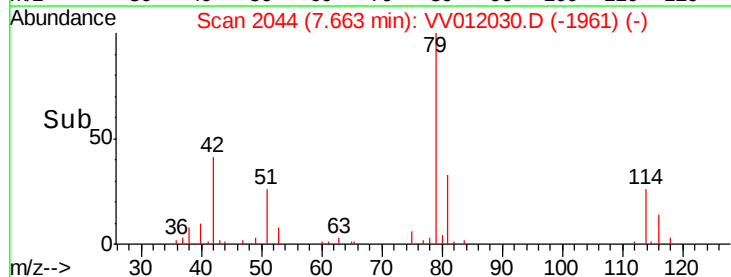
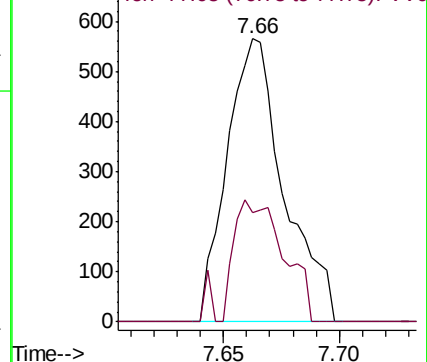
75 100

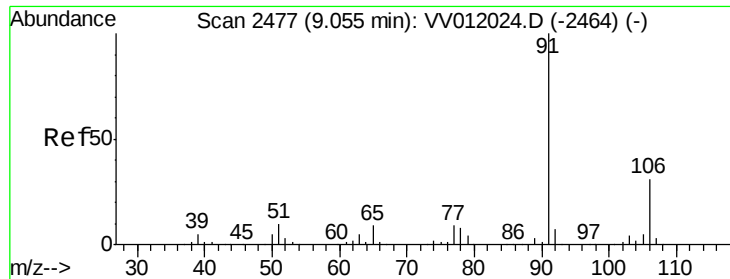
77 38.8 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV012024.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012024.D (-2036) (-)

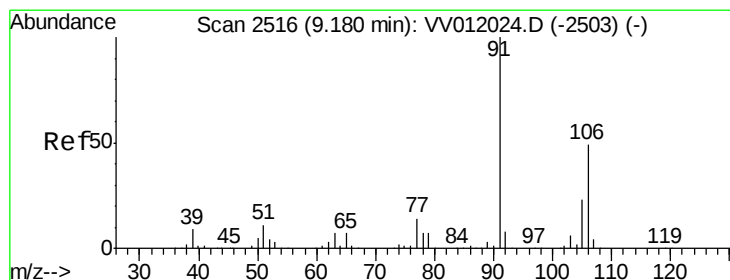
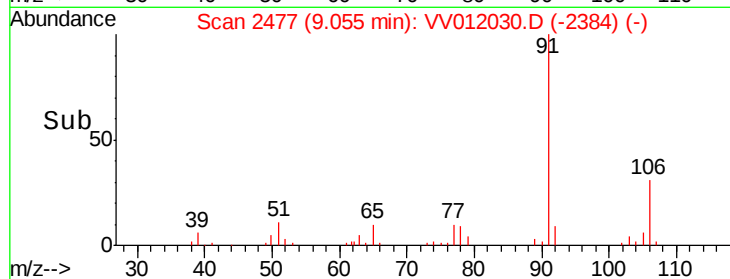
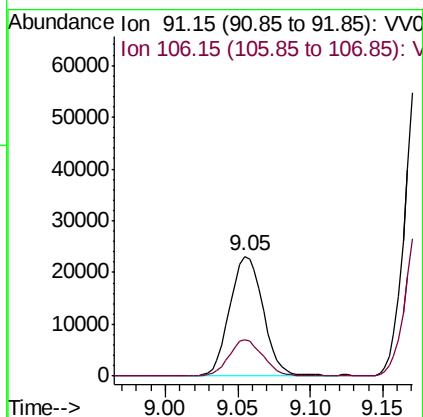
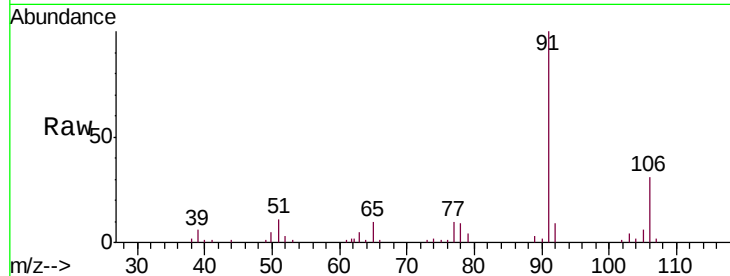




#52
Ethylbenzene
Concen: 0.787 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012030.D
Acq: 25 Jul 2019 15:57

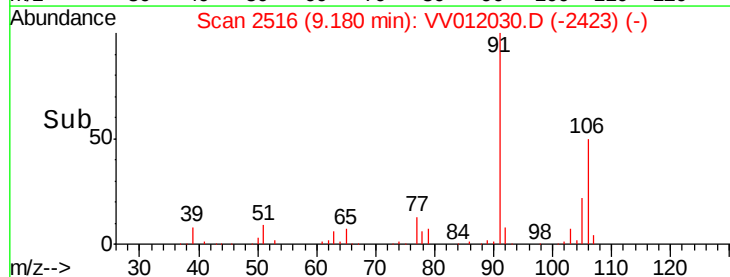
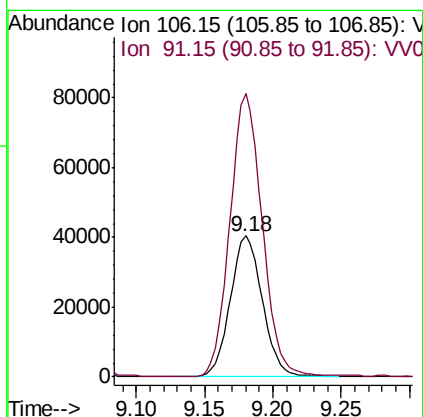
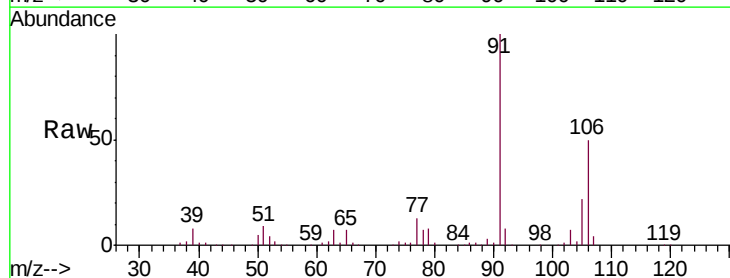
Instrument :
MSVOA_V
ClientSampleId :
DB9A8

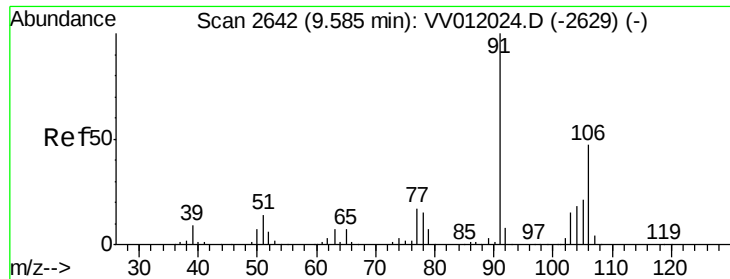
Tgt Ion: 91 Resp: 37497
Ion Ratio Lower Upper
91 100
106 30.7 21.6 40.0



#53
m,p-xylene
Concen: 3.654 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012030.D
Acq: 25 Jul 2019 15:57

Tgt Ion: 106 Resp: 66270
Ion Ratio Lower Upper
106 100
91 201.1 142.7 265.1





#54

o-xylene

Concen: 1.485 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012030.D

Acq: 25 Jul 2019 15:57

Instrument :

MSVOA_V

ClientSampleId :

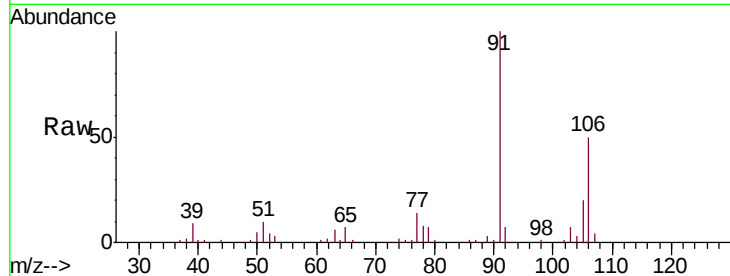
DB9A8

Tgt Ion:106 Resp: 25534

Ion Ratio Lower Upper

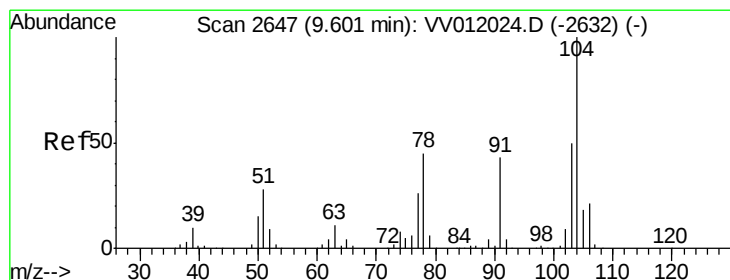
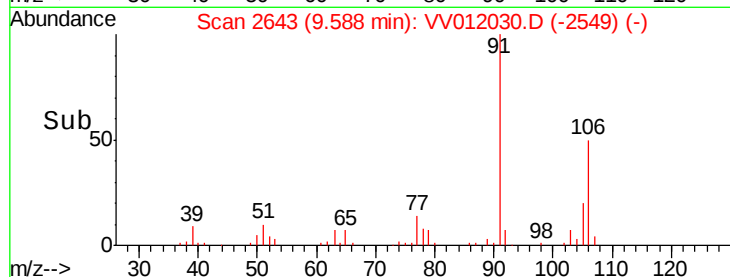
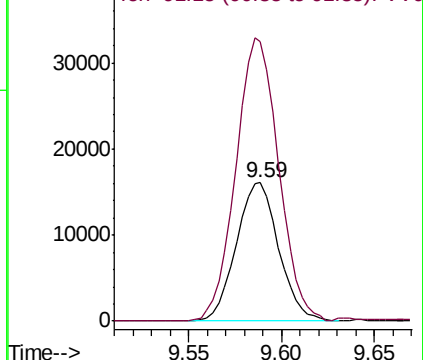
106 100

91 201.8 151.0 280.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.073 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.01 min

Lab File: VV012030.D

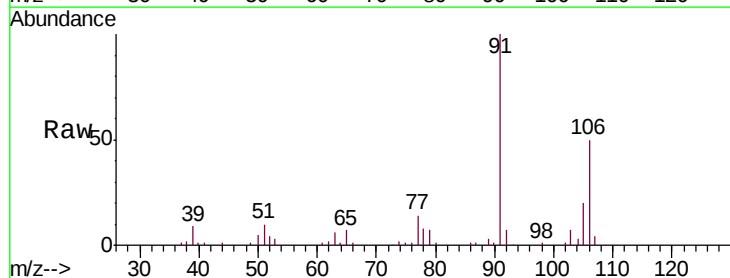
Acq: 25 Jul 2019 15:57

Tgt Ion:104 Resp: 2117

Ion Ratio Lower Upper

104 100

78 253.1 30.8 57.2#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

