

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018409.D
 Acq On : 23 Sep 2020 13:20
 Operator : SY/MD
 Sample : VV0923WBL03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK301

Quant Time: Sep 24 07:56:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:48:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	301379	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	298774	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	145645	50.00	ug/L	0.00

System Monitoring Compounds

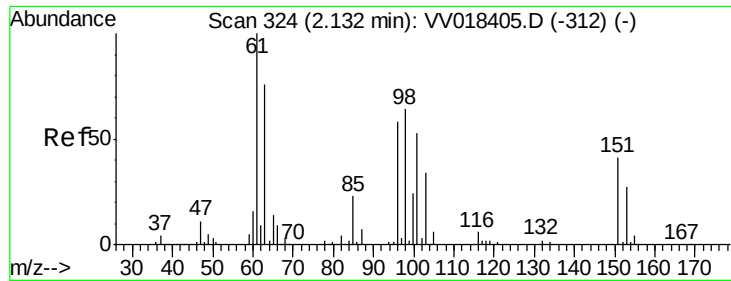
4) Vinyl Chloride-d3	1.32	65	84423	45.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.30%
7) Chloroethane-d5	1.58	69	74586	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.68%
11) 1,1-Dichloroethene-d2	2.12	63	130003	33.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.32%
21) 2-Butanone-d5	3.92	46	122039	91.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.04%
24) Chloroform-d	4.38	84	175160	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.34%
26) 1,2-Dichloroethane-d4	5.06	65	115680	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
32) Benzene-d6	5.08	84	352769	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
36) 1,2-Dichloropropane-d6	6.09	67	114936	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.76%
41) Toluene-d8	7.34	98	316106	45.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	7.64	79	55922	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
47) 2-Hexanone-d5	8.11	63	78385	87.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.78%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	135569	43.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.04%
66) 1,2-Dichlorobenzene-d4	11.65	152	138259	50.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1505	0.684	ug/L #	25
16) Methylene chloride	2.53	84	848	0.358	ug/L	89
35) Methylcyclohexane	6.09	83	27565	7.718	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	12227	5.168	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	3124	0.880	ug/L #	58
44) trans-1,3-Dichloropropene	7.64	75	2436	0.692	ug/L #	82
48) 2-Hexanone	8.11	43	9853	4.140	ug/L #	72
60) Isopropylbenzene	9.95	105	530	0.059	ug/L #	54
61) 1,2,3-Trichloropropane	11.21	75	204	0.081	ug/L #	39
62) 1,3,5-Trimethylbenzene	10.56	105	455	0.063	ug/L #	78
63) 1,2,4-Trimethylbenzene	10.95	105	491	0.066	ug/L #	69

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

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1



#10

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

Concen: 0.684 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018409.D

Acq: 23 Sep 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

VBLK301

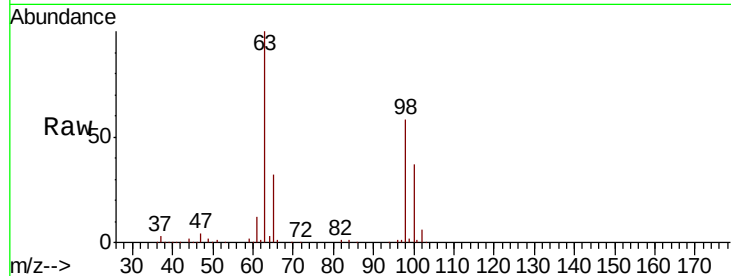
Tot Ion:101 Resp: 1505

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

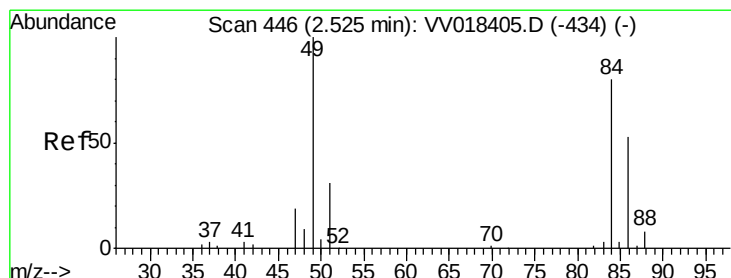
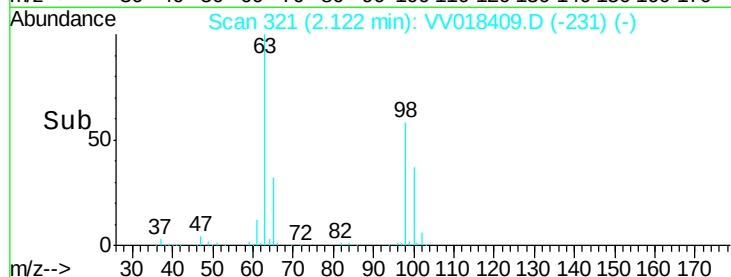
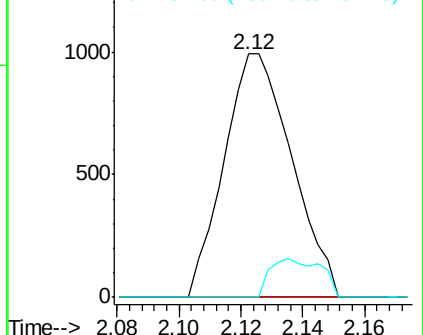
151 8.7 62.4 93.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#16

Methylene chloride

Concen: 0.358 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.01 min

Lab File: VV018409.D

Acq: 23 Sep 2020 13:20

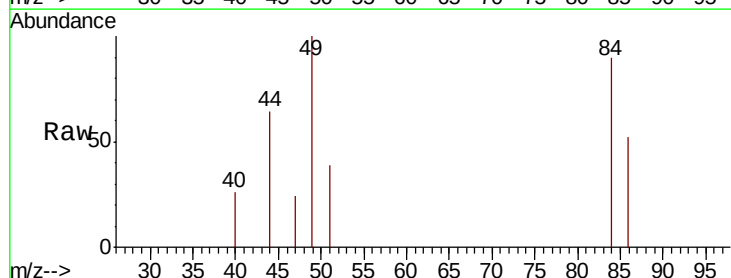
Tgt Ion: 84 Resp: 848

Ion Ratio Lower Upper

84 100

86 58.1 46.0 85.4

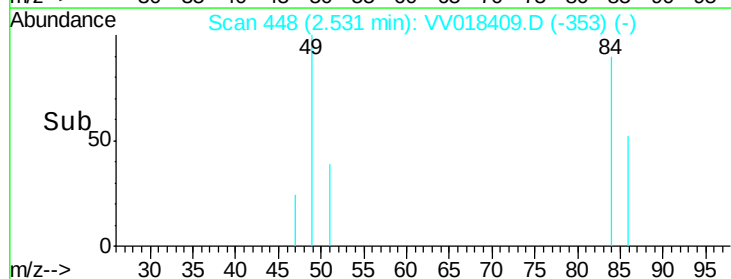
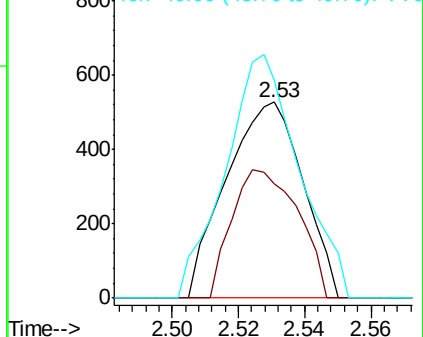
49 111.4 87.5 162.5

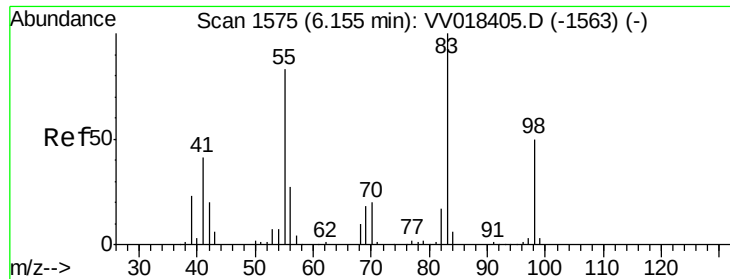


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

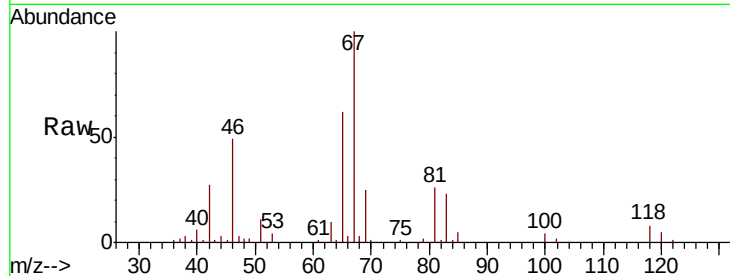




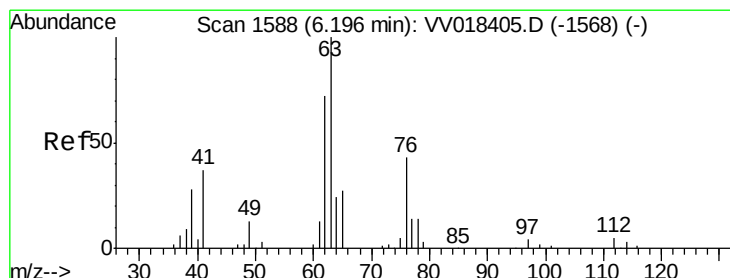
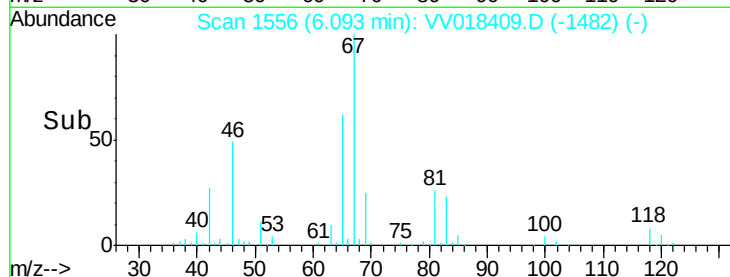
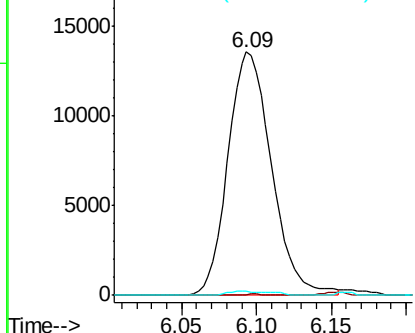
#35
Methylvlcyclohexane
Concen: 7.718 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018409.D
Acq: 23 Sep 2020 13:20

Instrument :
MSVOA_V
ClientSampleId :
VBLK301

Tot Ion: 83 Resp: 27565
Ion Ratio Lower Upper
83 100
55 0.1 63.6 95.4#
98 1.3 38.6 58.0#

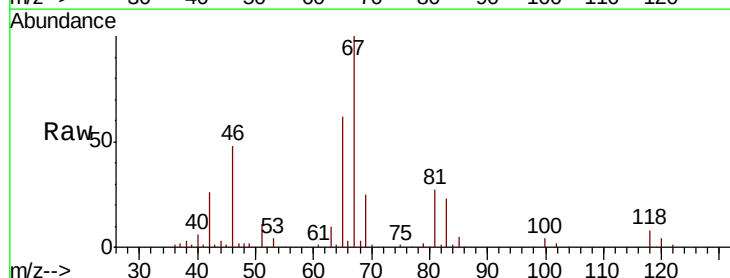


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

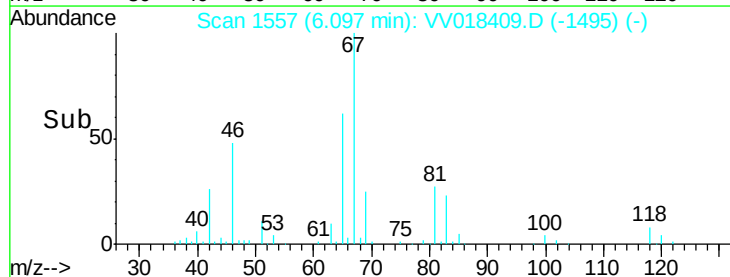
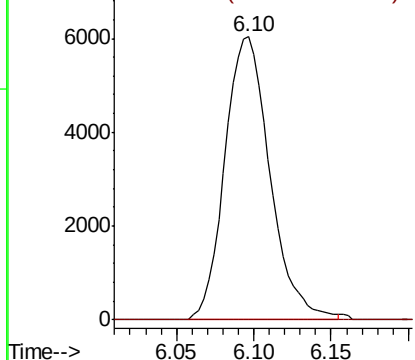


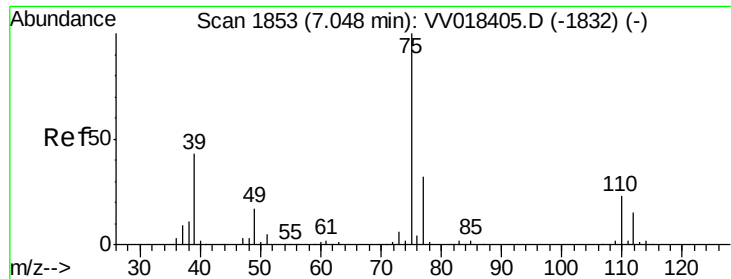
#37
1,2-Dichloropropane
Concen: 5.168 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV018409.D
Acq: 23 Sep 2020 13:20

Tgt Ion: 63 Resp: 12227
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

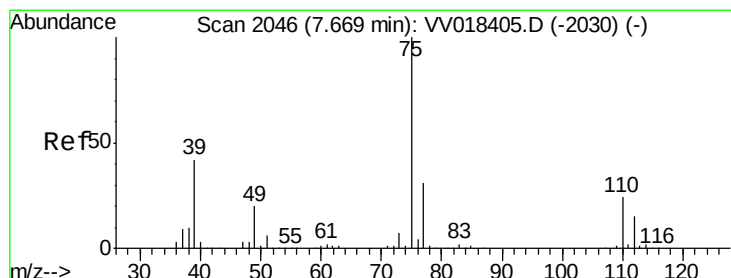
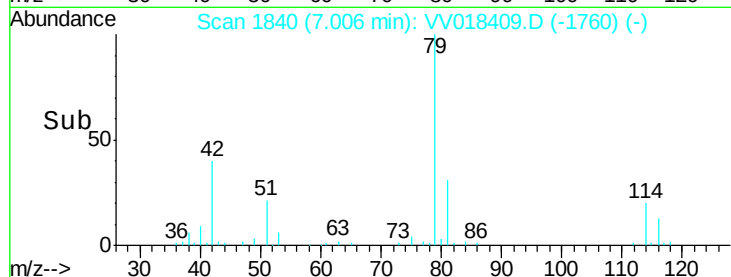
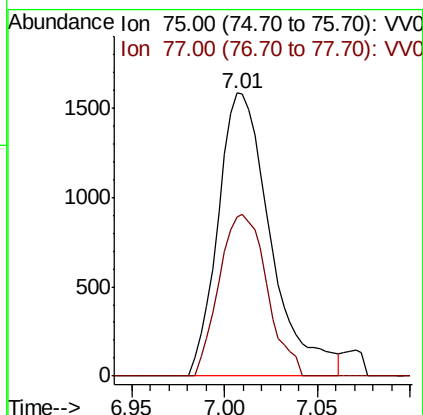
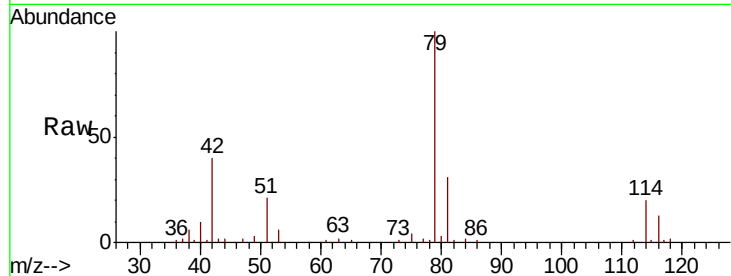




#39
 cis-1,3-Dichloropropene
 Concen: 0.880 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018409.D
 Acq: 23 Sep 2020 13:20

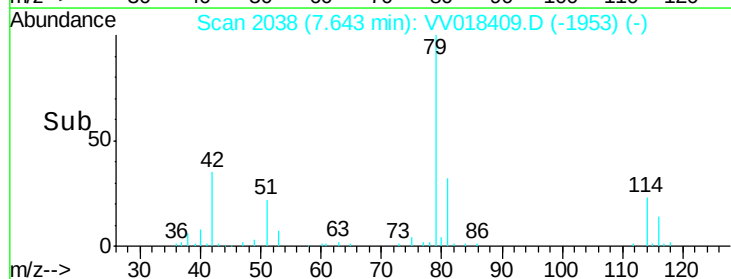
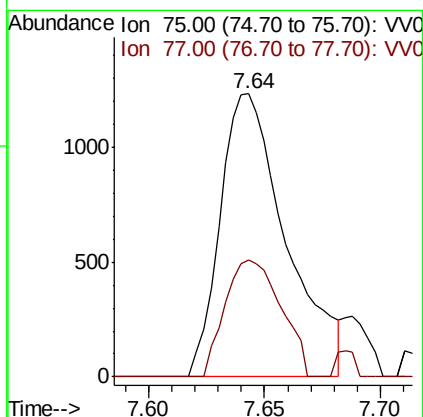
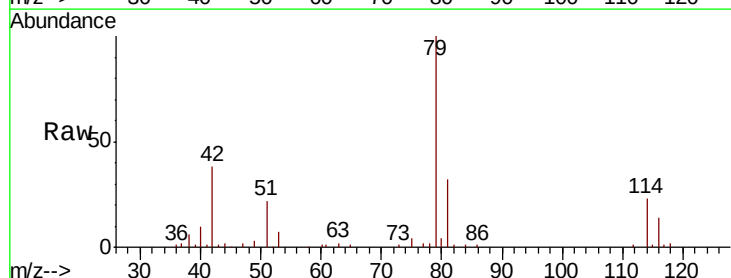
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK301

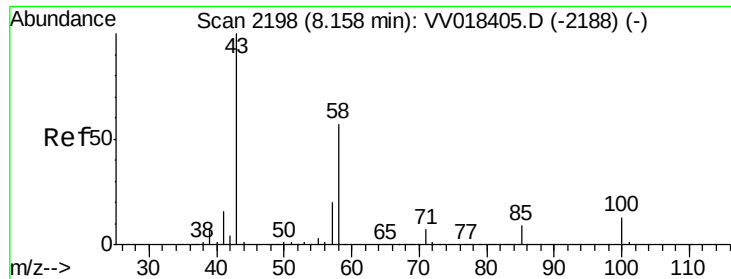
Tot Ion: 75 Resp: 3124
 Ion Ratio Lower Upper
 75 100
 77 56.2 22.7 42.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.692 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV018409.D
 Acq: 23 Sep 2020 13:20

Tgt Ion: 75 Resp: 2436
 Ion Ratio Lower Upper
 75 100
 77 41.3 21.8 40.4#

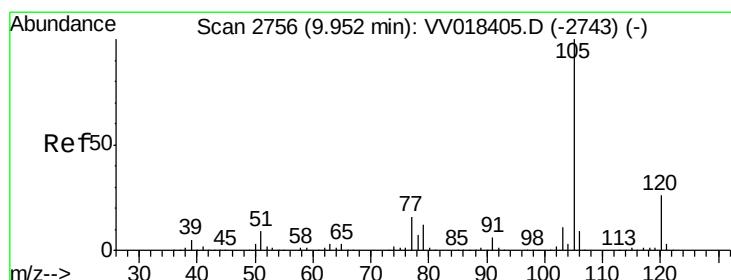
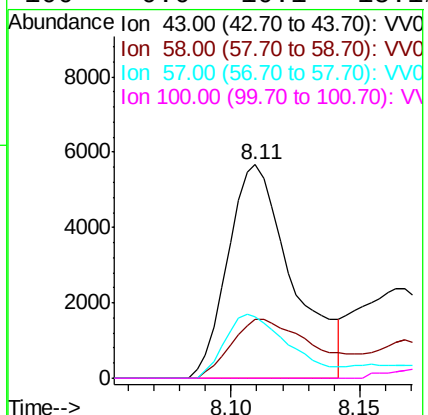
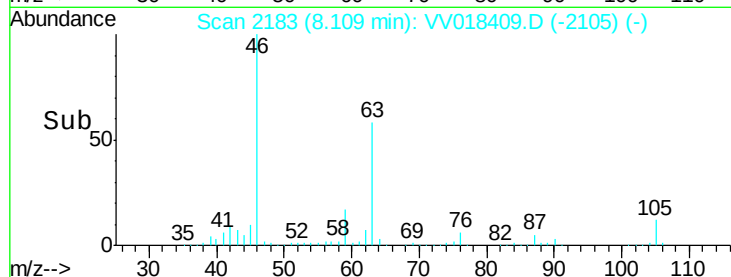
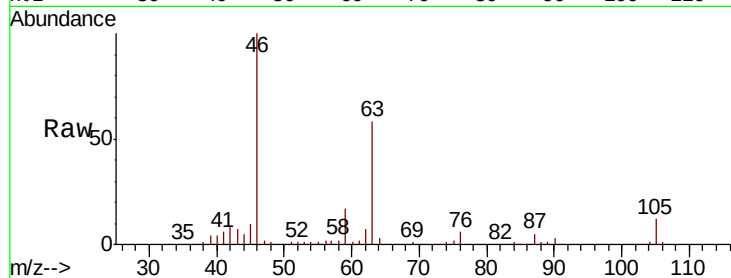




#48
2-Hexanone
Concen: 4.140 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV018409.D
Acq: 23 Sep 2020 13:20

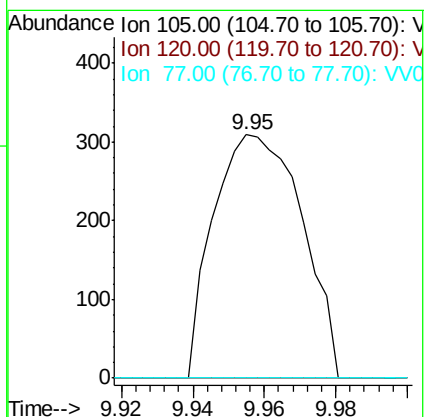
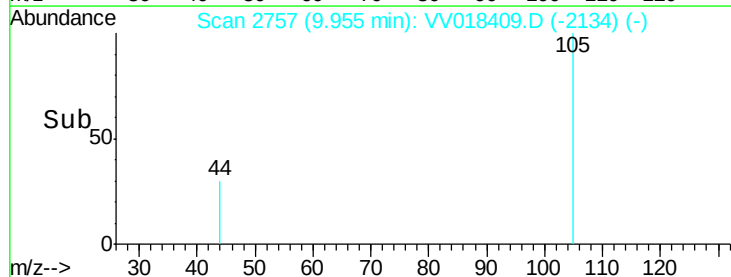
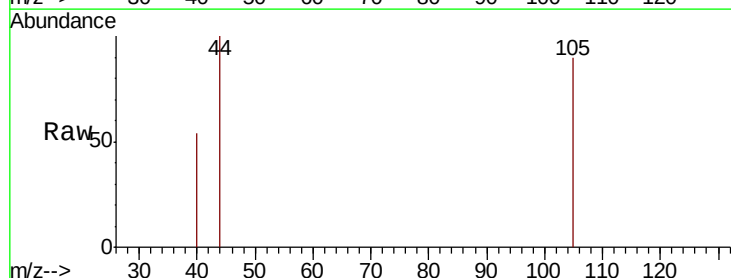
Instrument :
MSVOA_V
ClientSampleId :
VBLK301

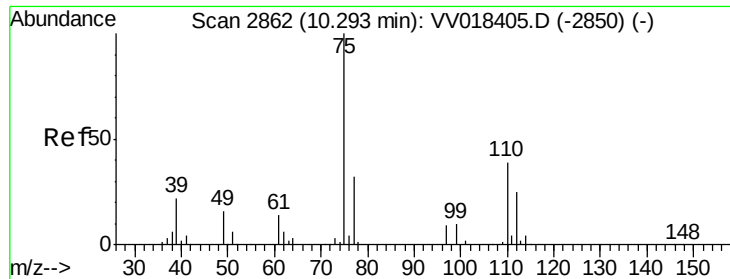
Tot Ion: 43 Resp: 9853
Ion Ratio Lower Upper
43 100
58 35.7 45.4 68.0#
57 30.5 16.0 24.0#
100 0.0 10.1 15.1#



#60
Isopropylbenzene
Concen: 0.059 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV018409.D
Acq: 23 Sep 2020 13:20

Tgt Ion: 105 Resp: 530
Ion Ratio Lower Upper
105 100
120 0.0 20.8 31.2#
77 0.0 12.8 19.2#





#61

1,2,3-Trichloropropane

Concen: 0.081 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.92 min

Lab File: VV018409.D

Acq: 23 Sep 2020 13:20

Instrument :

MSVOA_V

ClientSampleId :

VBLK301

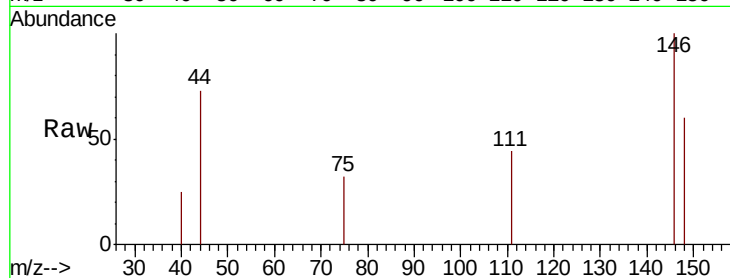
Tot Ion: 75 Resp: 204

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

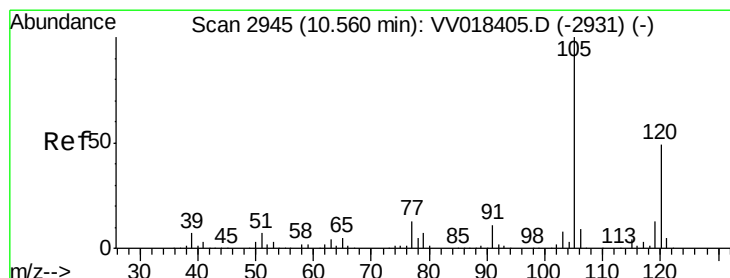
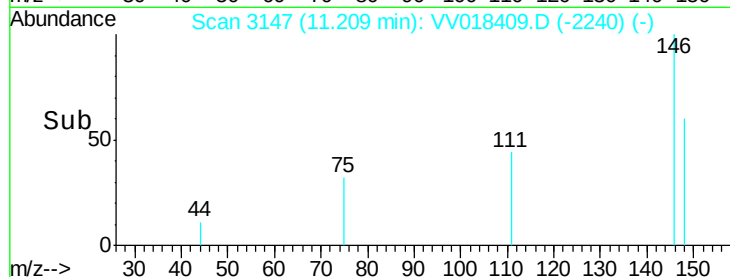
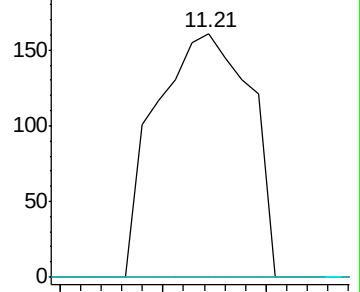
110 0.0 31.5 47.3#



Abundance Ion 75.00 (74.70 to 75.70): VV018409.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018409.D (-2850) (-)

Ion 110.00 (109.70 to 110.70): VV018409.D (-2850) (-)



#62

1,3,5-Trimethylbenzene

Concen: 0.063 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV018409.D

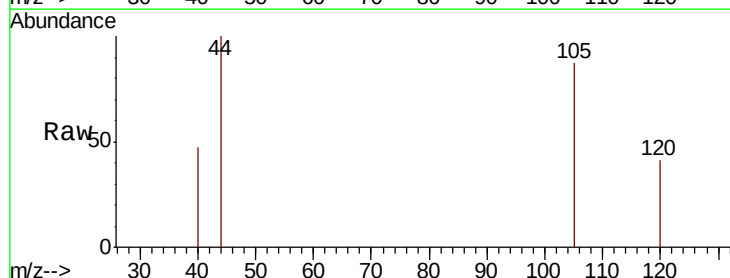
Acq: 23 Sep 2020 13:20

Tgt Ion: 105 Resp: 455

Ion Ratio Lower Upper

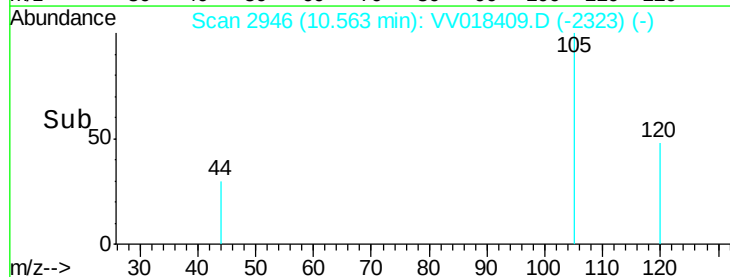
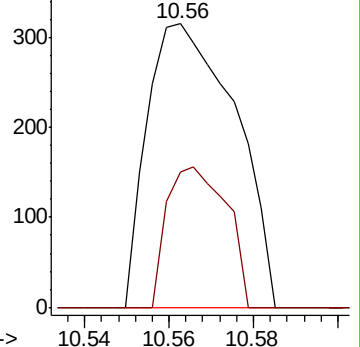
105 100

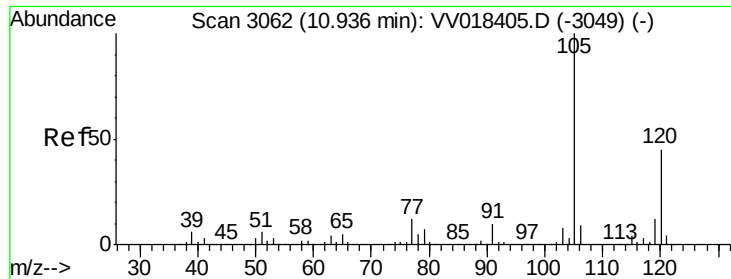
120 33.6 39.1 58.7#



Abundance Ion 105.00 (104.70 to 105.70): VV018409.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV018409.D (-2323) (-)





#63

1,2,4-Trimethylbenzene

Concen: 0.066 ug/L

RT: 10.95 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VV018409.D

Acq: 23 Sep 2020 13:20

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MSVOA_V

ClientSampleId :

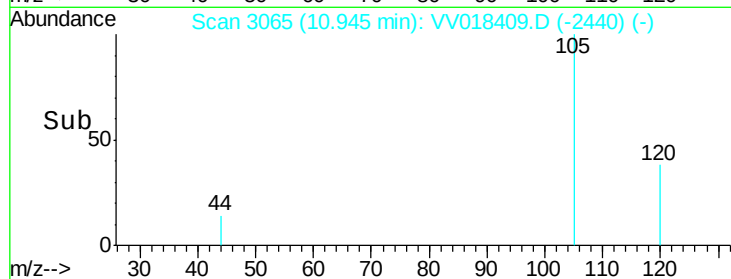
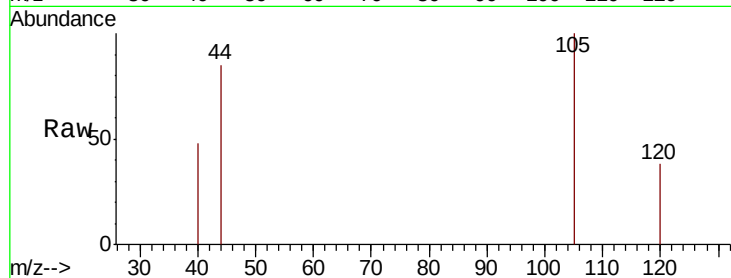
VBLK301

Tot Ion:105 Resp: 491

Ion Ratio Lower Upper

105 100

120 25.1 36.2 54.2#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

