

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016308.D
 Acq On : 29 May 2020 04:44
 Operator : SY/MD
 Sample : L2662-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 06:32:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	119133	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	112812	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	55007	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27254	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.58	69	20892	3.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.20%#
11) 1,1-Dichloroethene-d2	2.12	63	38114	2.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.00%#
20) 2-Butanone-d5	3.96	46	80331	42.33	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.66%
24) Chloroform-d	4.38	84	57124	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
26) 1,2-Dichloroethane-d4	5.06	65	32013	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
32) Benzene-d6	5.07	84	118804	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.10	67	35583	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.34	98	111123	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
45) trans-1,3-Dichloropropene-	7.64	79	11259	3.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.80%
48) 2-Hexanone-d5	8.12	63	69214	46.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25617	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	41531	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.45	64	96605	16.572	ug/L #	52
13) Acetone	2.24	43	65914	56.106	ug/L	69
14) Carbon disulfide	2.31	76	2543	0.117	ug/L #	90
15) Methyl Acetate	2.24	43	63983	21.313	ug/L #	53
17) Methyl tert-butyl Ether	2.79	73	624772	36.111	ug/L	97
21) 2-Butanone	4.05	43	55788	26.695	ug/L	81
22) cis-1,2-Dichloroethene	3.94	96	12439	1.368	ug/L	96
27) 1,2-Dichloroethane	5.07	62	754	0.075	ug/L #	79
33) Benzene	5.13	78	2558	0.079	ug/L	100
35) Methylcyclohexane	6.10	83	9232	0.647	ug/L #	22
37) 1,2-Dichloropropane	6.09	63	4324	0.543	ug/L #	88
40) 4-Methyl-2-pentanone	7.20	43	38560	7.784	ug/L #	60
42) Toluene	7.41	91	2709	0.077	ug/L	94
43) 1,3,5-Trimethylbenzene	10.94	105	1313	0.041	ug/L	98
46) trans-1,3-Dichloropropene	7.64	75	545	0.058	ug/L #	59
50) 2-Hexanone	8.18	43	2413	0.698	ug/L #	34
70) Naphthalene	13.52	128	1849569	81.156	ug/L	100

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QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration

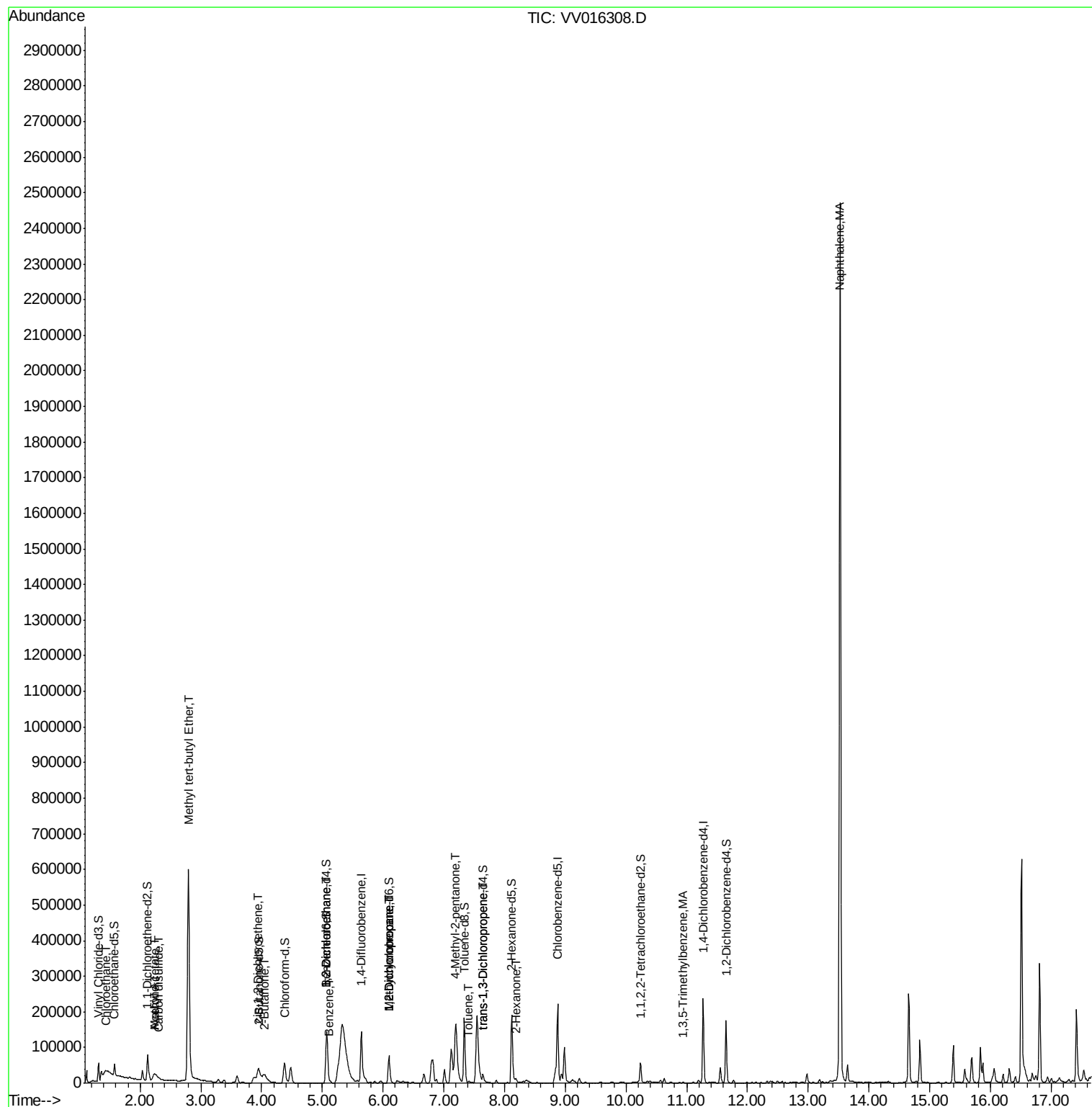
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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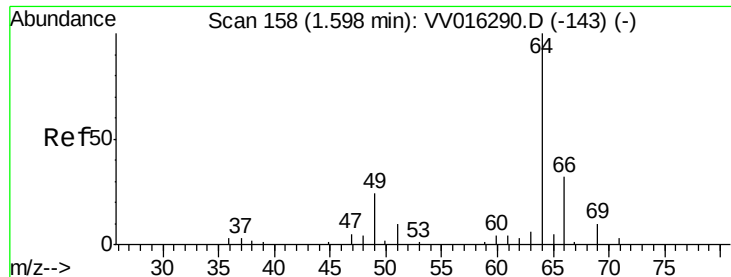
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 16.572 ug/L

RT: 1.45 min Scan# 111

Delta R.T. -0.15 min

Lab File: VV016308.D

Acq: 29 May 2020 04:44

Instrument :

MSVOA_V

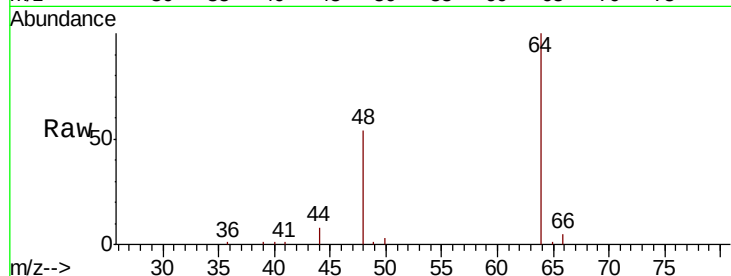
ClientSampleId :

Tot Ion: 64 Resp: 96605

Ion Ratio Lower Upper

64 100

66 5.4 22.9 42.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.45

20000

15000

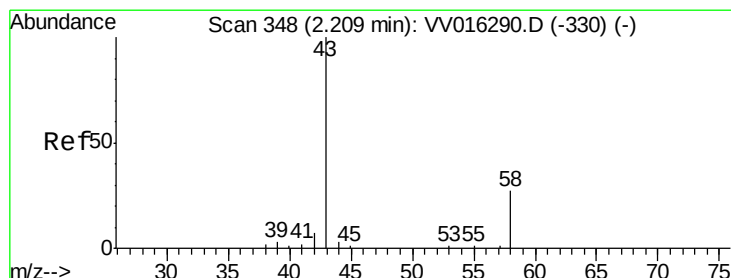
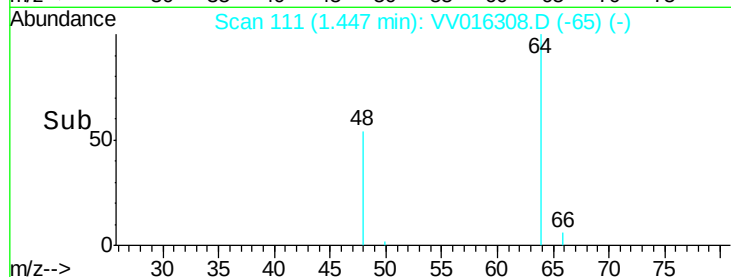
10000

5000

0

Time-->

1.30 1.40 1.50



#13

Acetone

Concen: 56.106 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.04 min

Lab File: VV016308.D

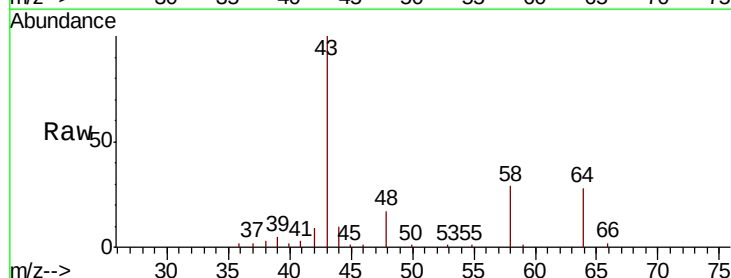
Acq: 29 May 2020 04:44

Tgt Ion: 43 Resp: 65914

Ion Ratio Lower Upper

43 100

58 9.0 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.24

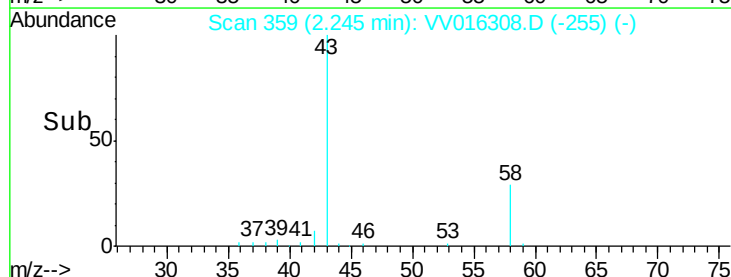
10000

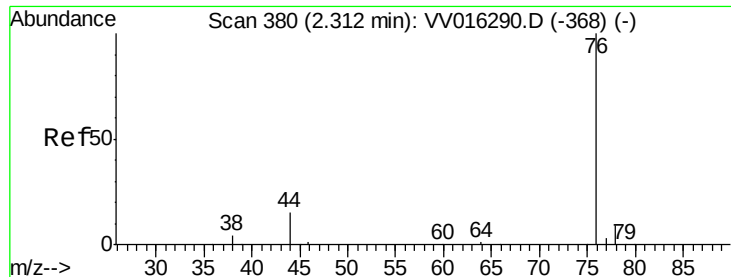
5000

0

Time-->

2.10 2.20 2.30 2.40 2.50





#14

Carbon disulfide

Concen: 0.117 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV016308.D

Acq: 29 May 2020 04:44

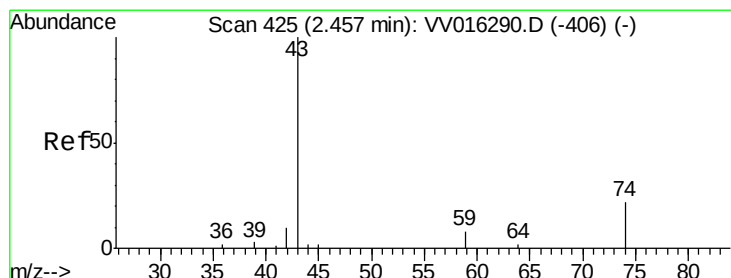
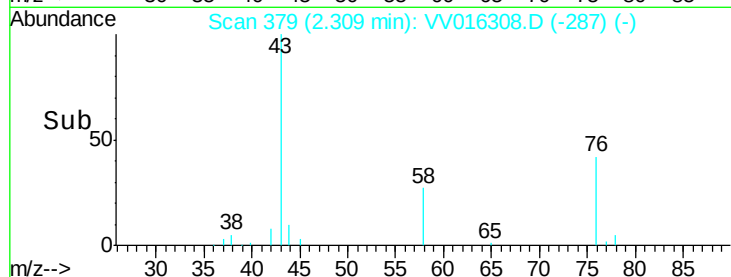
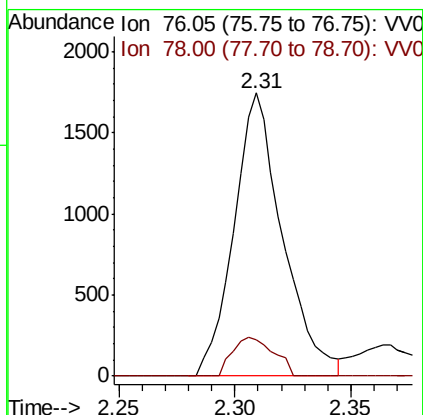
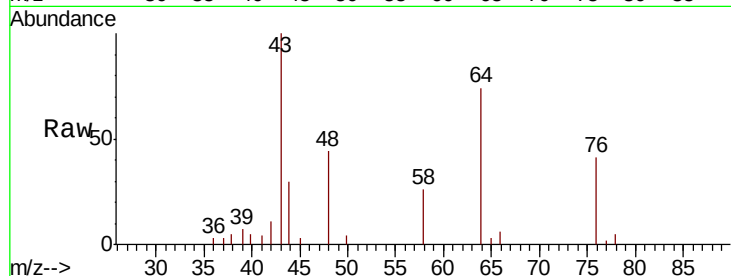
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 76 Resp: 2543

Ion Ratio Lower Upper

76 100

78 12.8 7.4 11.0#



#15

Methyl Acetate

Concen: 21.313 ug/L

RT: 2.24 min Scan# 359

Delta R.T. -0.21 min

Lab File: VV016308.D

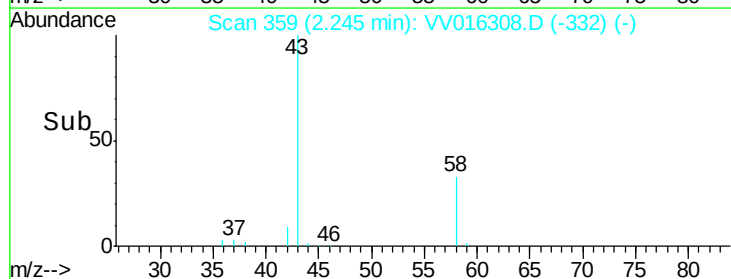
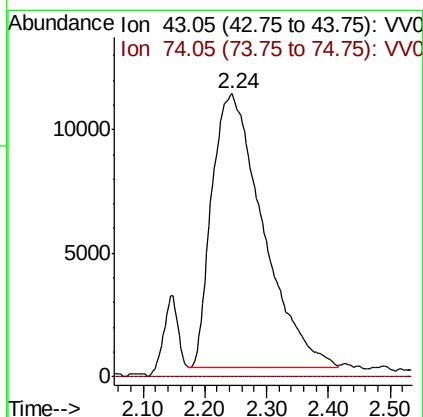
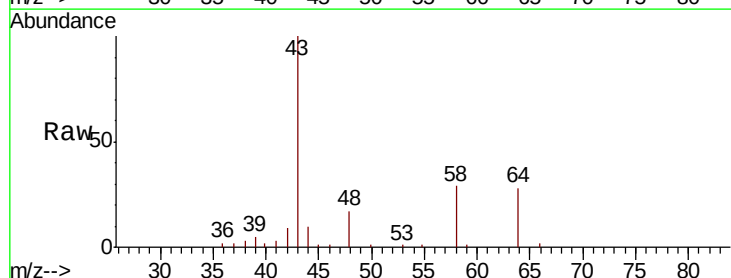
Acq: 29 May 2020 04:44

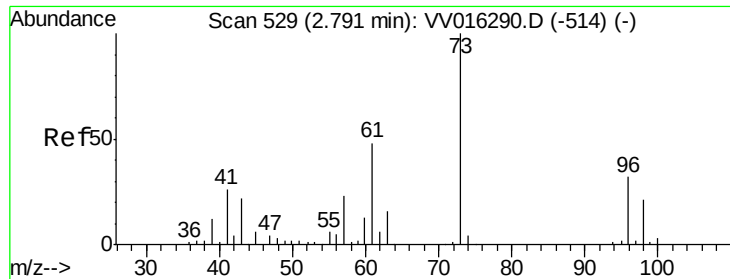
Tgt Ion: 43 Resp: 63983

Ion Ratio Lower Upper

43 100

74 0.0 18.1 27.1#

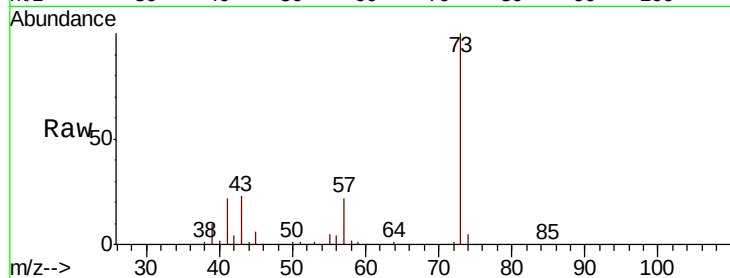




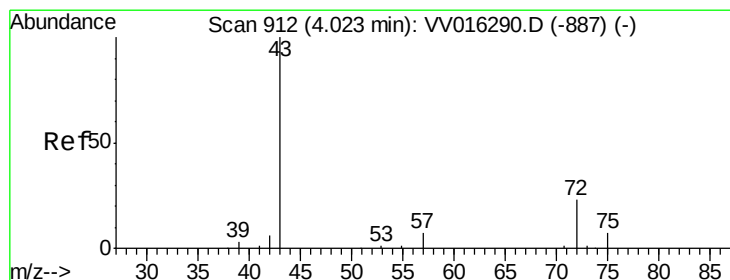
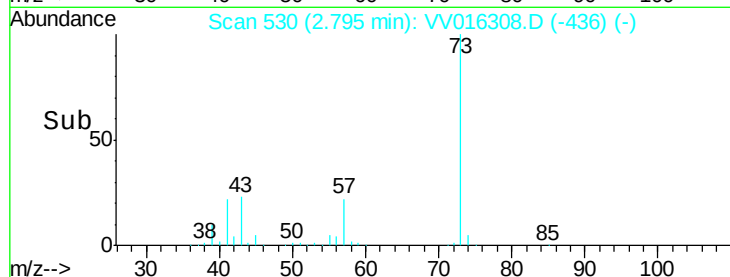
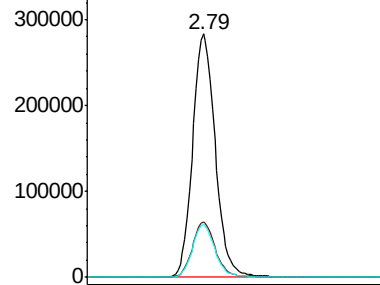
#17
Methyl tert-butyl Ether
Concen: 36.111 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016308.D
Acq: 29 May 2020 04:44

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 624772
Ion Ratio Lower Upper
73 100
43 23.1 17.8 26.8
57 21.9 18.9 28.3

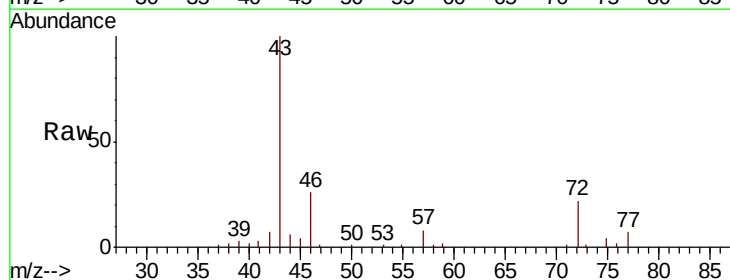


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

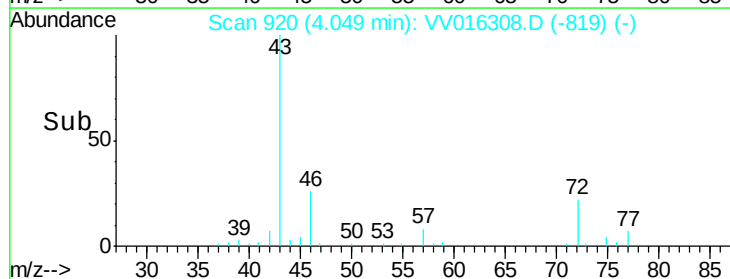
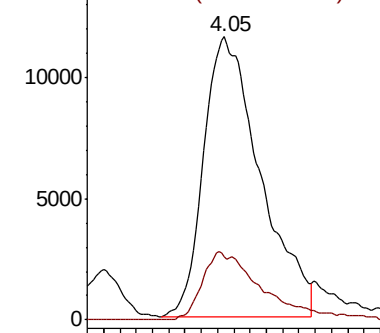


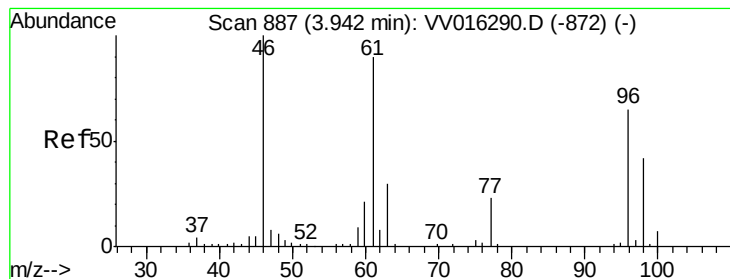
#21
2-Butanone
Concen: 26.695 ug/L
RT: 4.05 min Scan# 920
Delta R.T. 0.03 min
Lab File: VV016308.D
Acq: 29 May 2020 04:44

Tgt Ion: 43 Resp: 55788
Ion Ratio Lower Upper
43 100
72 10.5 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0





#22

cis-1,2-Dichloroethene

Concen: 1.368 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016308.D

Acq: 29 May 2020 04:44

Instrument :
MSVOA_V
ClientSampled :

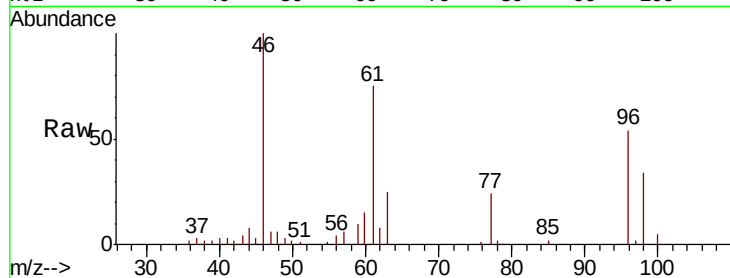
Tot Ion: 96 Resp: 12439

Ion Ratio Lower Upper

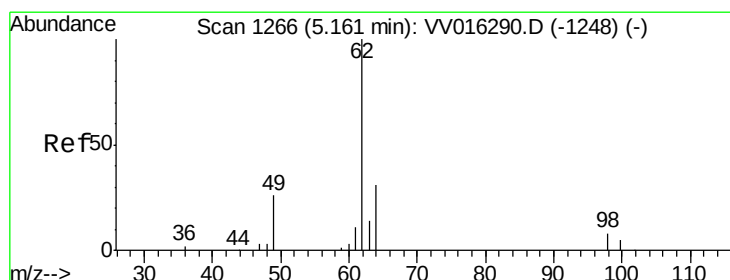
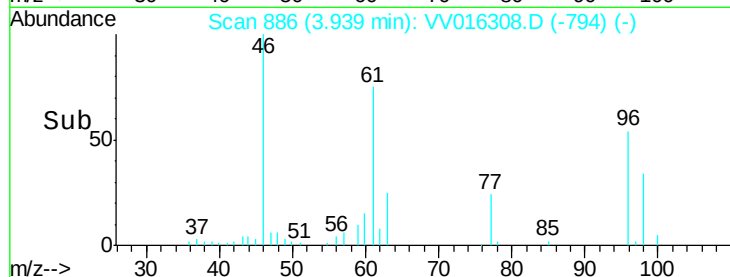
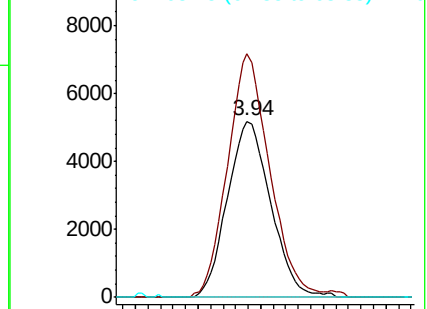
96 100

61 138.0 99.7 185.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



#27

1,2-Dichloroethane

Concen: 0.075 ug/L

RT: 5.07 min Scan# 1237

Delta R.T. -0.09 min

Lab File: VV016308.D

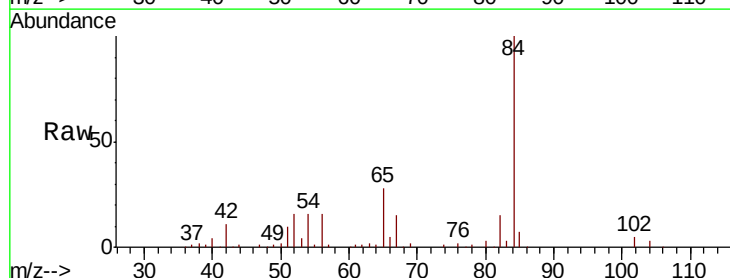
Acq: 29 May 2020 04:44

Tgt Ion: 62 Resp: 754

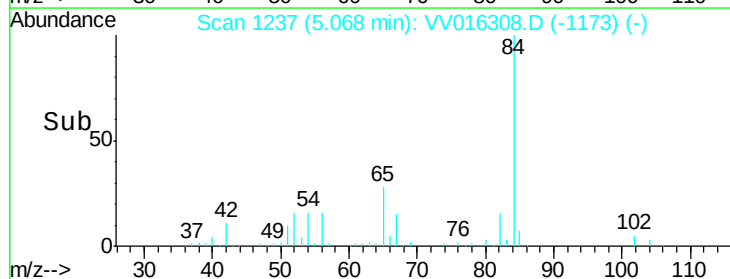
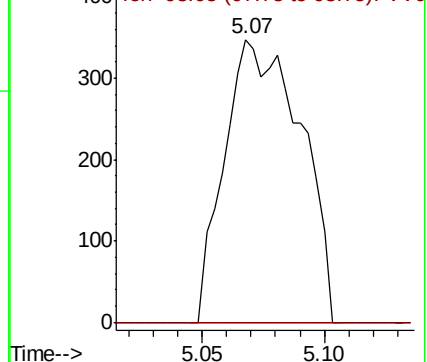
Ion Ratio Lower Upper

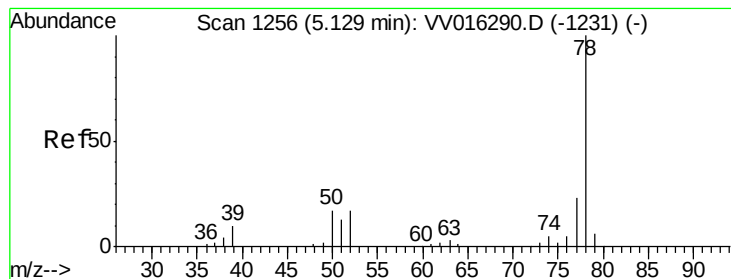
62 100

98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.05 (97.75 to 98.75): VV0





#33

Benzene

Concen: 0.079 ug/L

RT: 5.13 min Scan# 1255

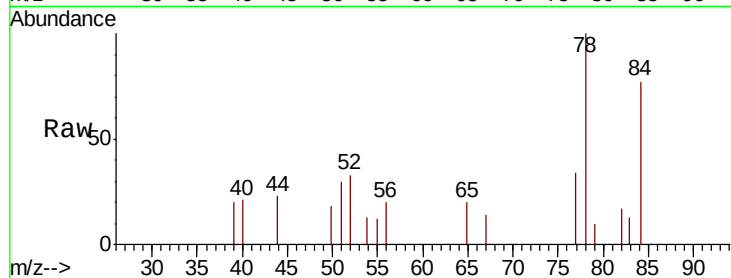
Delta R.T. -0.00 min

Lab File: VV016308.D

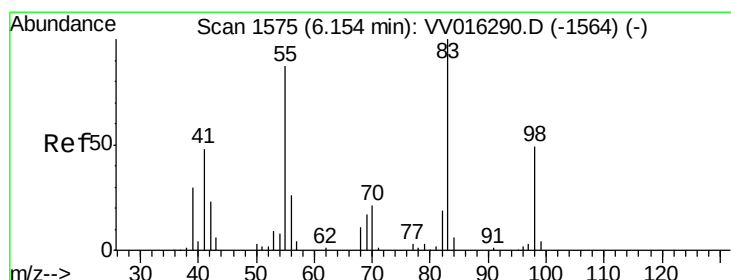
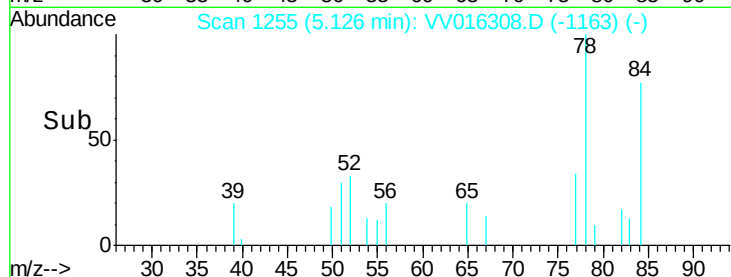
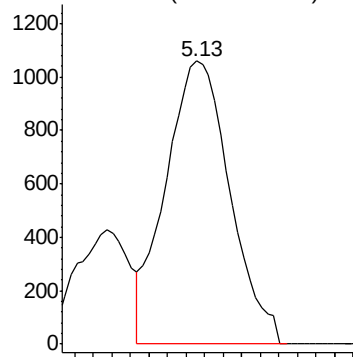
Acq: 29 May 2020 04:44

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 2558



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.647 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016308.D

Acq: 29 May 2020 04:44

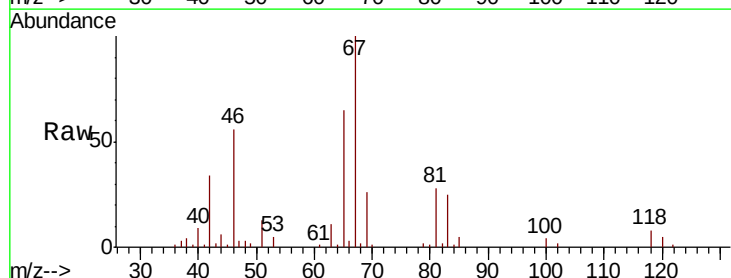
Tgt Ion: 83 Resp: 9232

Ion Ratio Lower Upper

83 100

55 8.5 65.4 98.0#

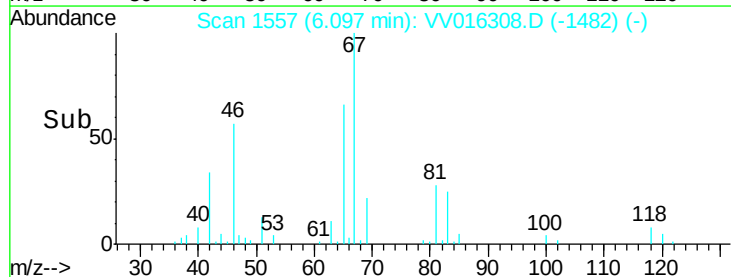
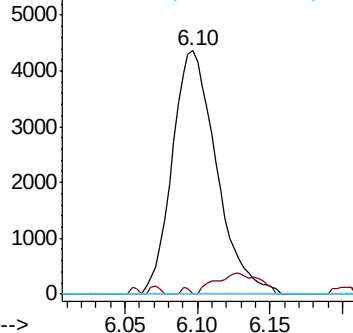
98 0.0 39.3 58.9#

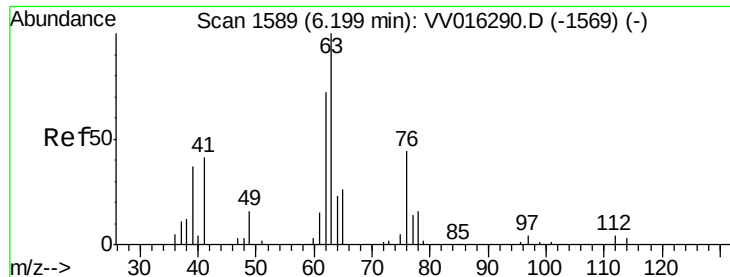


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

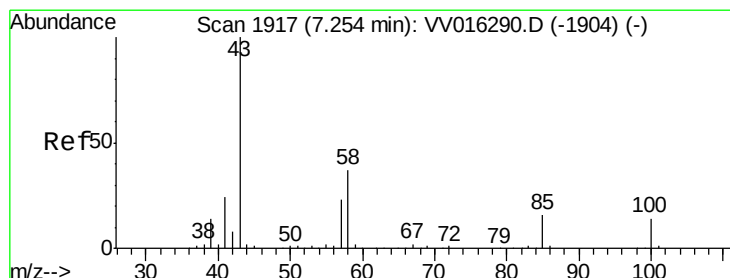
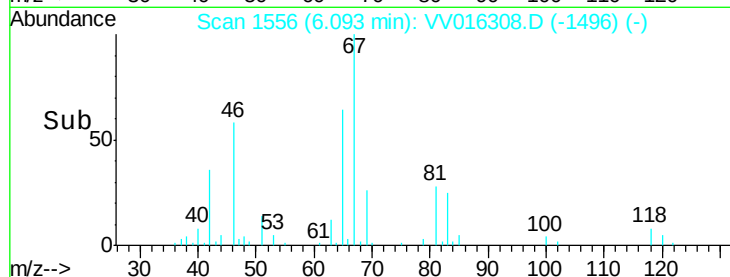
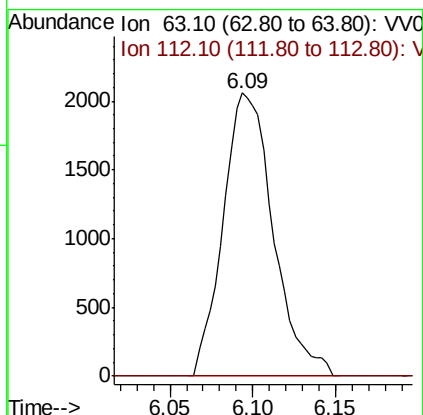
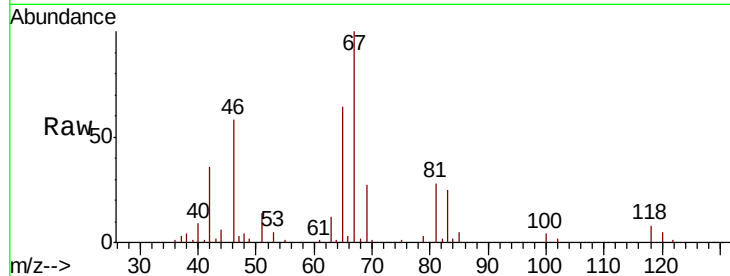




#37
 1,2-Dichloropropane
 Concen: 0.543 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.11 min
 Lab File: VV016308.D
 Acq: 29 May 2020 04:44

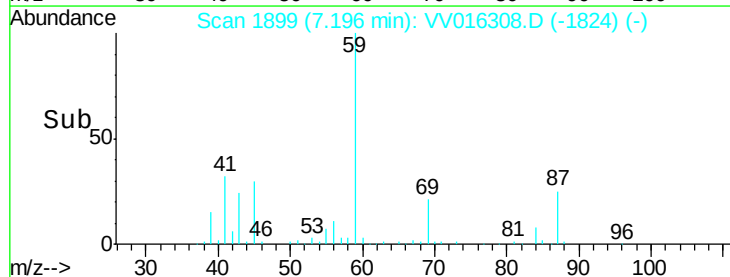
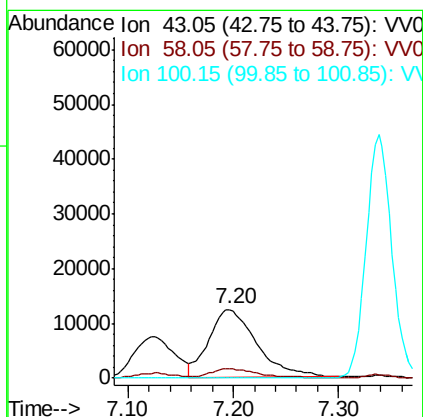
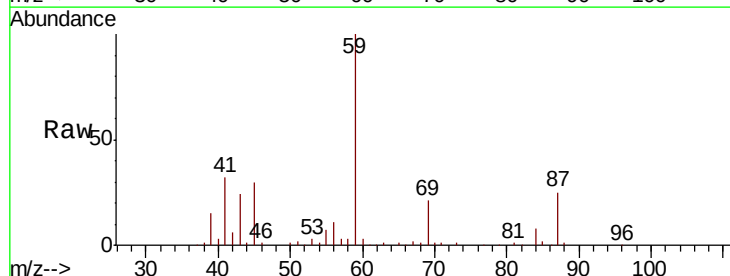
Instrument :
 MSVOA_V
 ClientSampled :

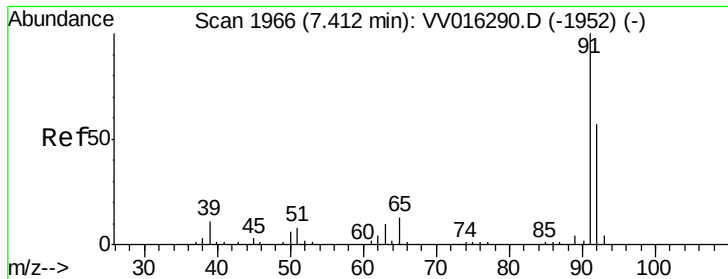
Tot Ion: 63 Resp: 4324
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#40
 4-Methyl-2-pentanone
 Concen: 7.784 ug/L
 RT: 7.20 min Scan# 1899
 Delta R.T. -0.06 min
 Lab File: VV016308.D
 Acq: 29 May 2020 04:44

Tgt Ion: 43 Resp: 38560
 Ion Ratio Lower Upper
 43 100
 58 11.9 29.5 44.3#
 100 0.0 11.1 16.7#





#42

Toluene

Concen: 0.077 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016308.D

Acq: 29 May 2020 04:44

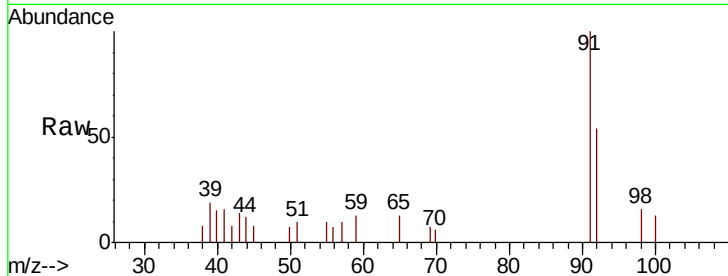
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2709

Ion Ratio Lower Upper

91 100

92 54.3 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016290.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016290.D (-1952) (-)

7.41

1500

1000

500

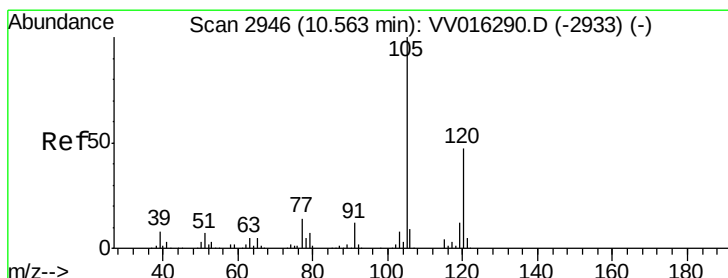
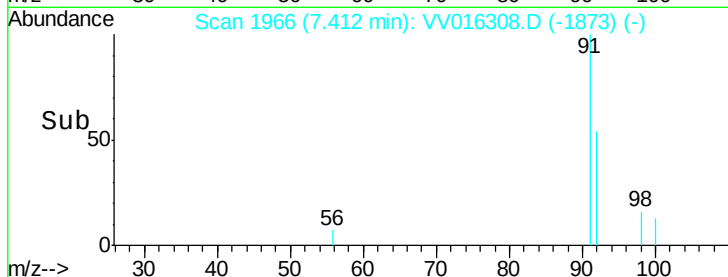
0

Time-->

7.35

7.40

7.45



#43

1,3,5-Trimethylbenzene

Concen: 0.041 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.37 min

Lab File: VV016308.D

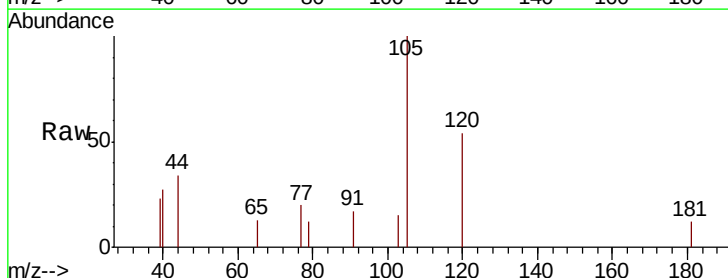
Acq: 29 May 2020 04:44

Tgt Ion: 105 Resp: 1313

Ion Ratio Lower Upper

105 100

120 45.2 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016290.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016290.D (-2933) (-)

10.94

800

600

400

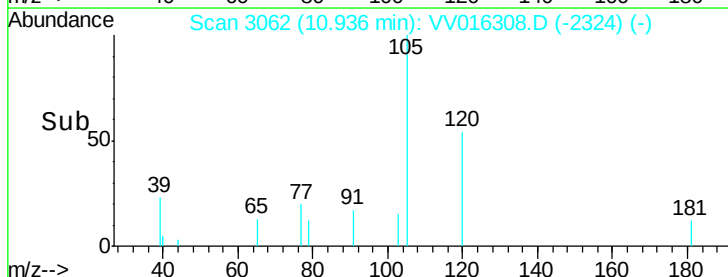
200

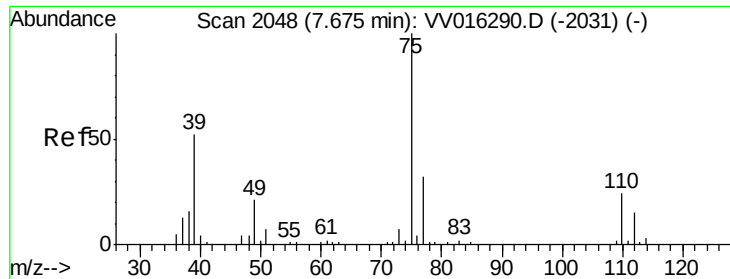
0

Time-->

10.90

10.95





#46

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016308.D

Acq: 29 May 2020 04:44

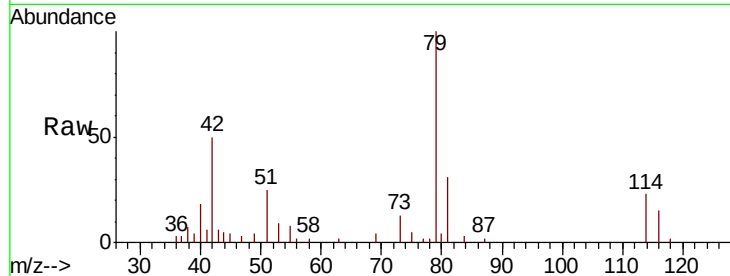
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 545

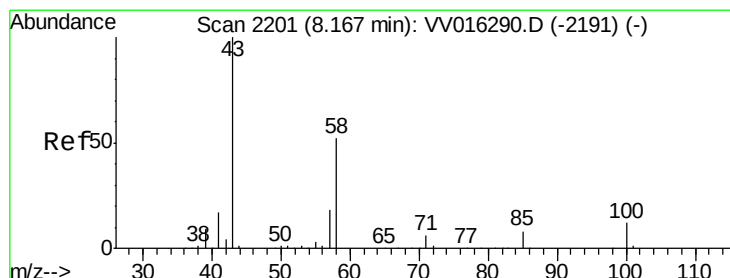
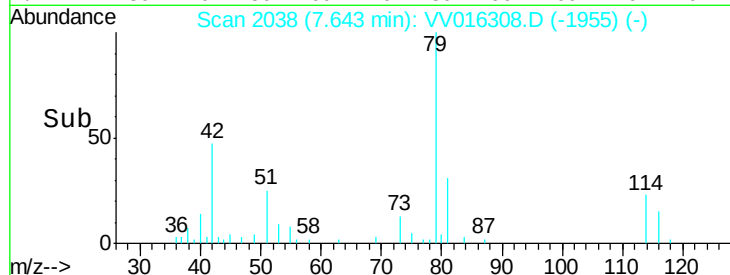
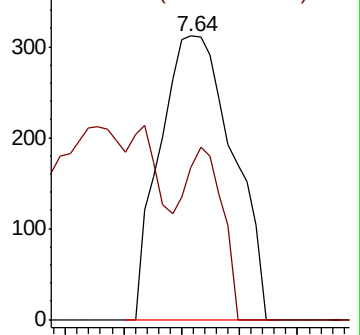
Ion Ratio Lower Upper

75 100

77 53.5 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV016290.D (-2031) (-)



#50

2-Hexanone

Concen: 0.698 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.02 min

Lab File: VV016308.D

Acq: 29 May 2020 04:44

Tgt Ion: 43 Resp: 2413

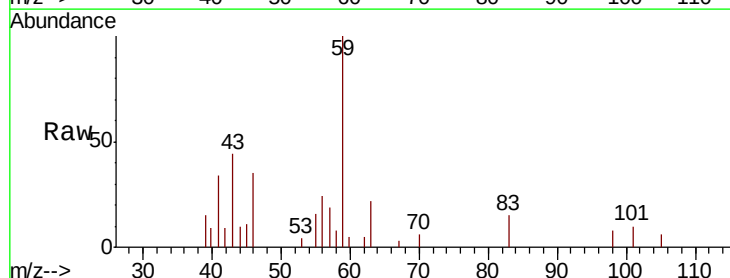
Ion Ratio Lower Upper

43 100

58 3.2 41.4 62.0#

57 53.8 15.0 22.4#

100 0.0 9.0 13.4#

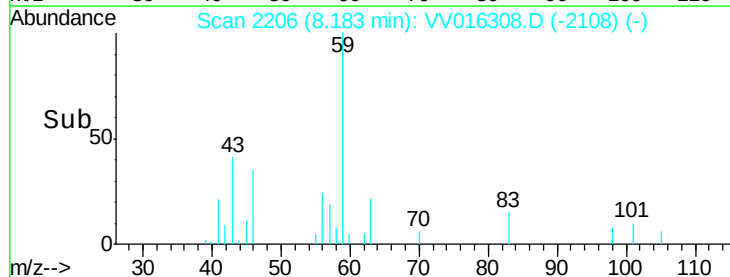
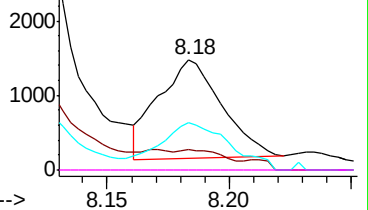


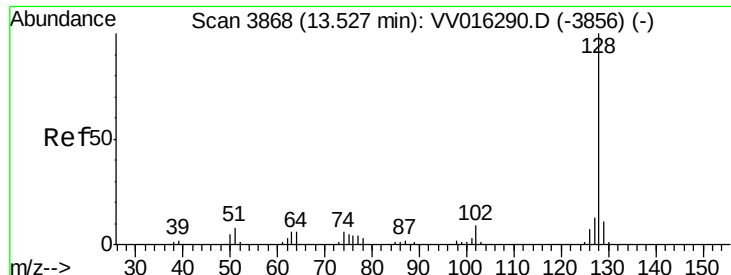
Abundance Ion 43.05 (42.75 to 43.75): VV016290.D (-2191) (-)

Ion 58.05 (57.75 to 58.75): VV016290.D (-2191) (-)

Ion 57.20 (56.90 to 57.90): VV016290.D (-2191) (-)

Ion 100.15 (99.85 to 100.85): VV016290.D (-2191) (-)





#70

Naphthalene

Concen: 81.156 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016308.D

Acq: 29 May 2020 04:44

Instrument :

MSVOA_V

ClientSampleId :

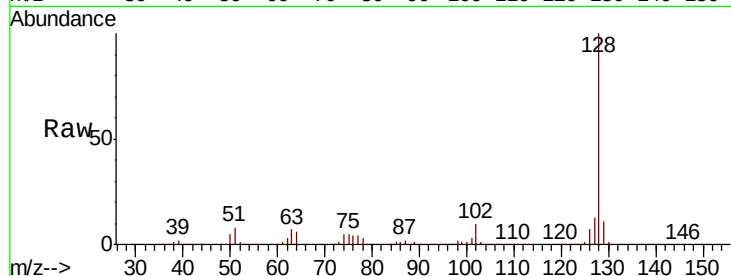
Tot Ion:128 Resp: 1849569

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.2 10.6 15.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

