

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070720\
 Data File : VV017371.D
 Acq On : 07 Jul 2020 12:15
 Operator : SY/MD
 Sample : L3154-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 08 01:34:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:30:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	161540	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155635	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	79355	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39224	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.58	69	34222	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.12	63	66433	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	3.94	46	99544	40.29	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.58%
24) Chloroform-d	4.38	84	91950	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.06	65	53684	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.07	84	172843	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.09	67	51629	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.34	98	154723	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
45) trans-1,3-Dichloropropene-	7.64	79	21112	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
48) 2-Hexanone-d5	8.11	63	71879	37.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.94%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	34887	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	66845	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	25526	2.408	ug/L	97
12) 1,1-Dichloroethene	2.13	96	560	0.072	ug/L #	1
14) Carbon disulfide	2.31	76	1079	0.046	ug/L #	54
16) Methylene chloride	2.52	84	1886	0.227	ug/L	87
18) trans-1,2-Dichloroethene	2.78	96	2915	0.355	ug/L	98
19) 1,1-Dichloroethane	3.21	63	2884	0.156	ug/L #	89
22) cis-1,2-Dichloroethene	3.94	96	10476	0.932	ug/L	97
25) Chloroform	4.41	83	6036	0.299	ug/L	96
30) Cyclohexane	4.70	56	1641	0.092	ug/L	90
33) Benzene	5.13	78	6018	0.148	ug/L	100
35) Methylcyclohexane	6.09	83	13458	0.725	ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	1757	0.117	ug/L	94
46) trans-1,3-Dichloropropene	7.64	75	1064	0.082	ug/L #	82
47) 1,1,2-Trichloroethane	7.81	97	2058	0.288	ug/L #	16
50) 2-Hexanone	8.17	43	2912	0.702	ug/L #	80
54) Ethylbenzene	9.04	91	3128	0.062	ug/L	96

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 08 01:30:57 2020
Response via : Initial Calibration

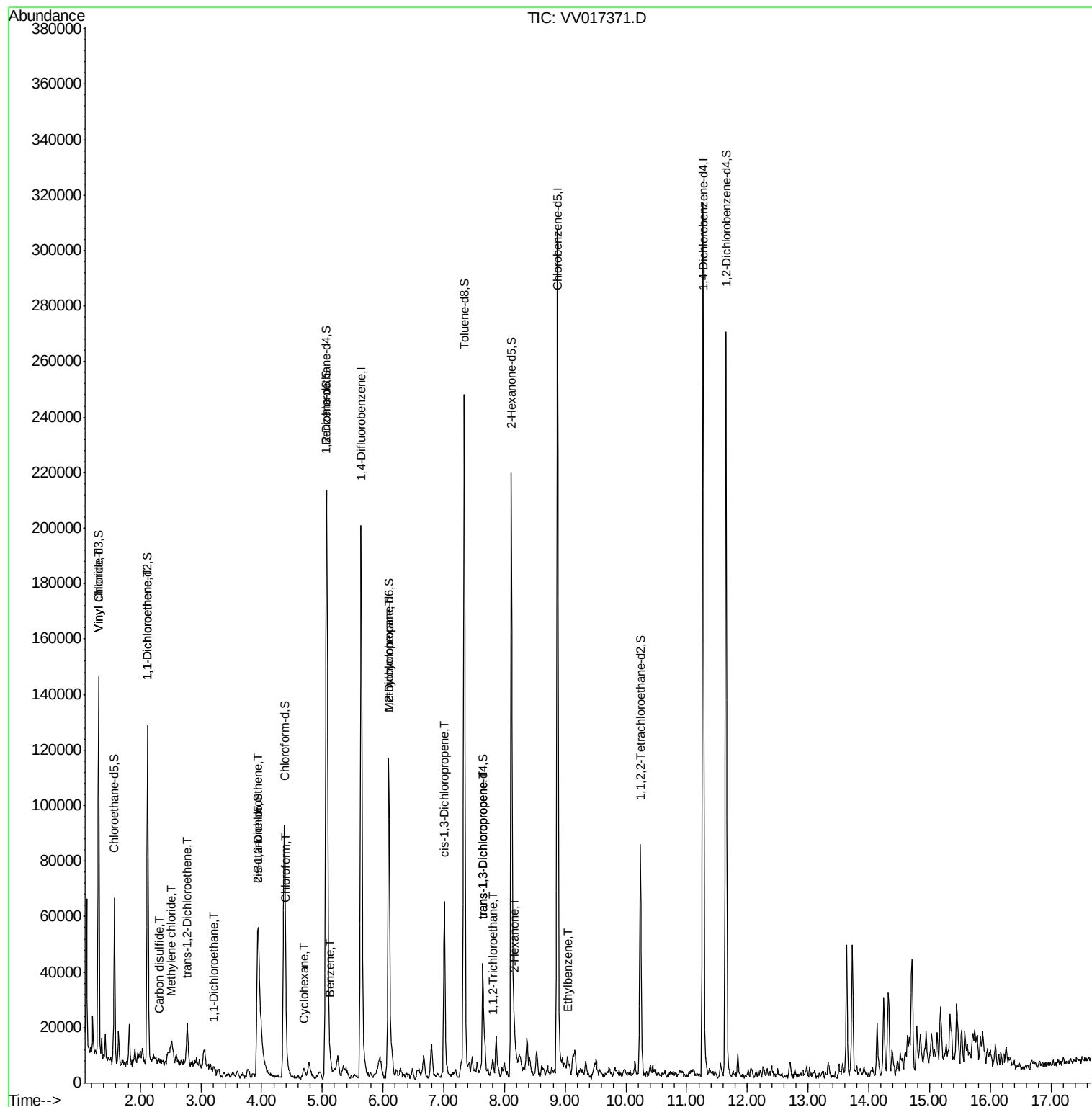
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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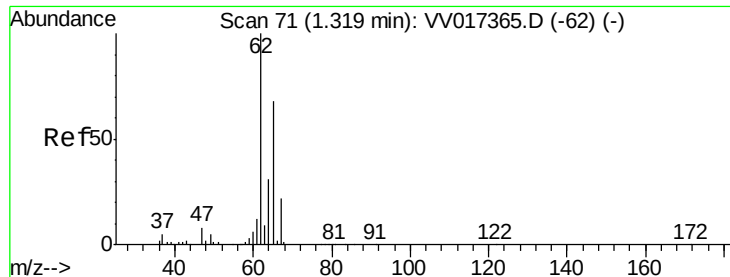
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.408 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017371.D

Acq: 07 Jul 2020 12:15

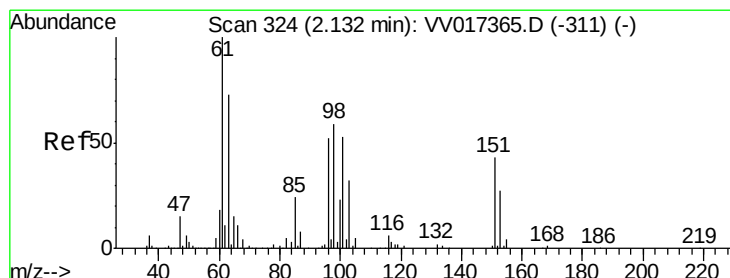
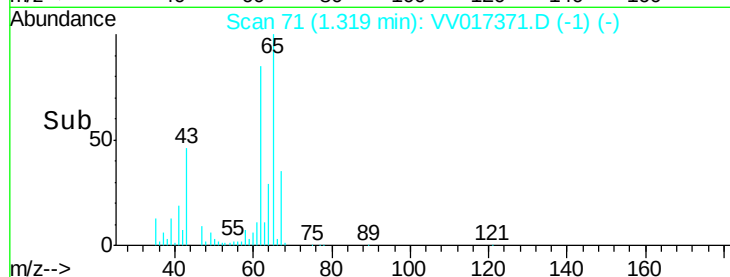
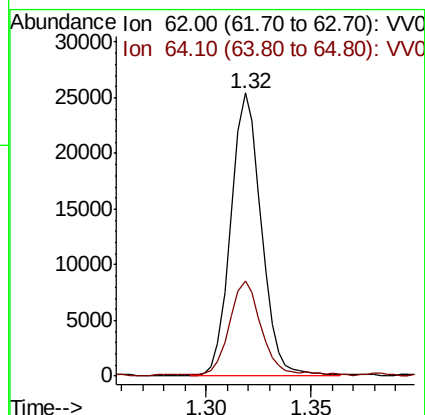
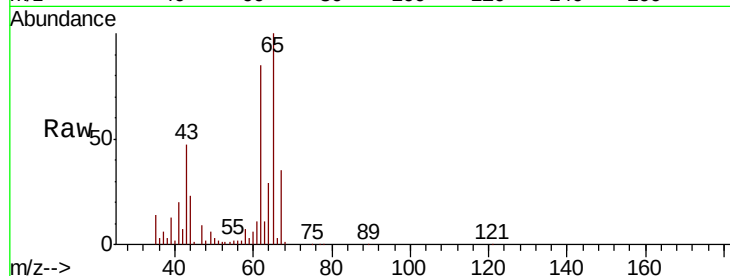
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 25526

Ion Ratio Lower Upper

62 100

64 33.8 22.5 41.7



#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017371.D

Acq: 07 Jul 2020 12:15

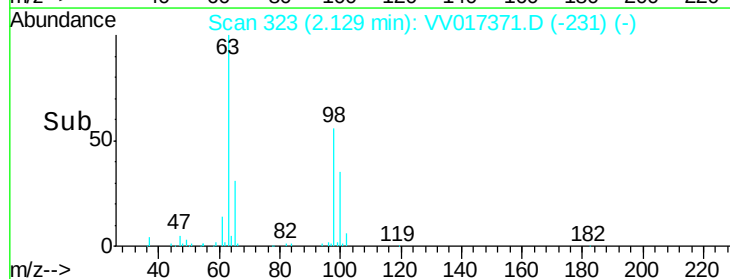
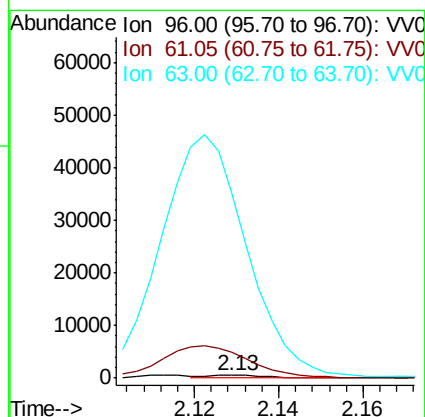
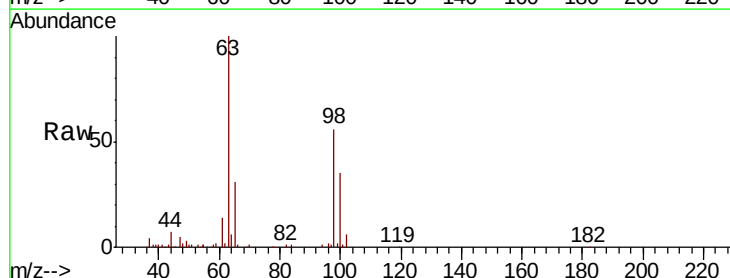
Tgt Ion: 96 Resp: 560

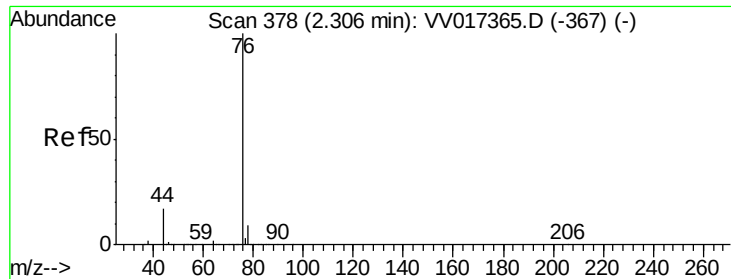
Ion Ratio Lower Upper

96 100

61 886.0 125.0 232.2#

63 6427.6 109.8 203.8#





#14

Carbon disulfide

Concen: 0.046 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV017371.D

Acq: 07 Jul 2020 12:15

Instrument :

MSVOA_V

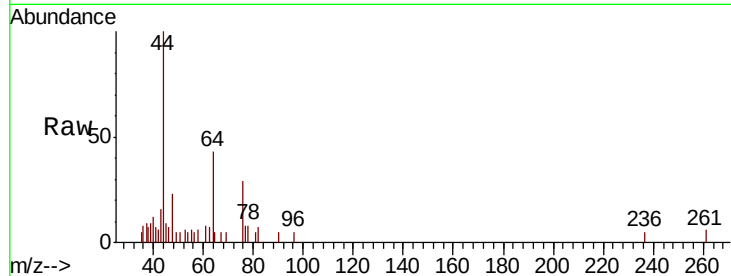
ClientSampleId :

Tot Ion: 76 Resp: 1079

Ion Ratio Lower Upper

76 100

78 26.5 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

600

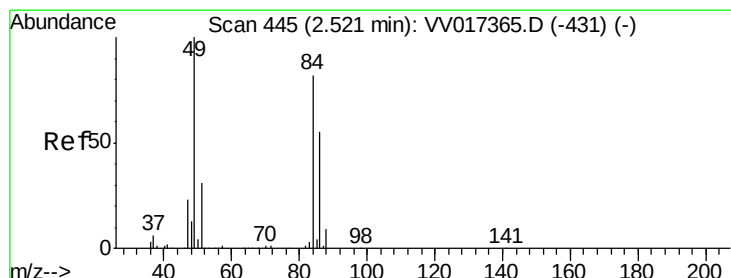
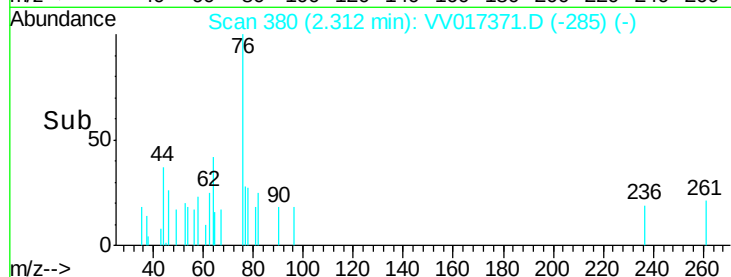
400

200

0

2.30 2.35

Time-->



#16

Methylene chloride

Concen: 0.227 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017371.D

Acq: 07 Jul 2020 12:15

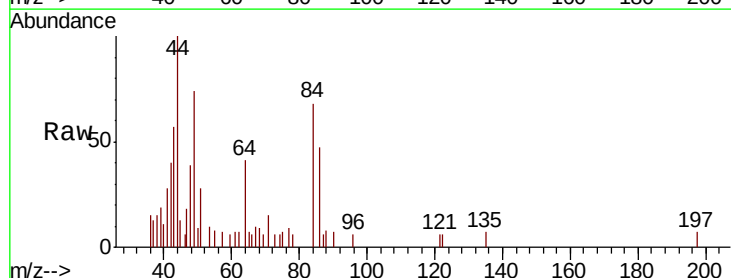
Tgt Ion: 84 Resp: 1886

Ion Ratio Lower Upper

84 100

86 69.7 45.8 85.0

49 108.3 89.6 166.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2.52

1500

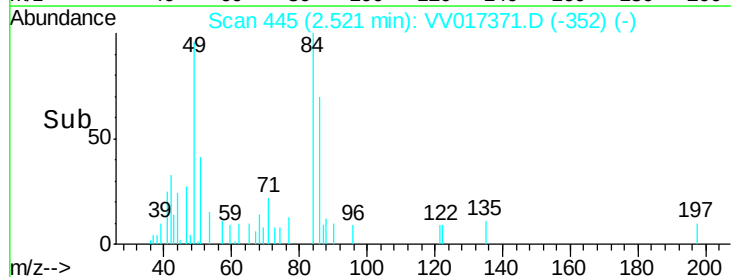
1000

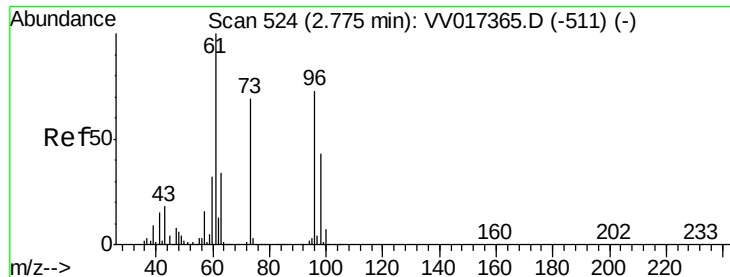
500

0

2.50 2.55

Time-->

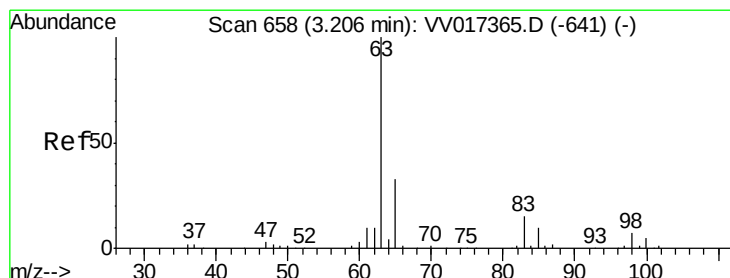
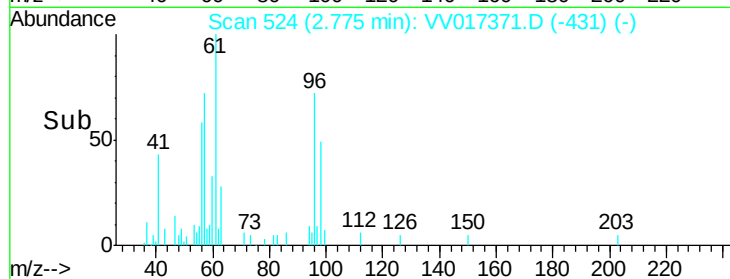
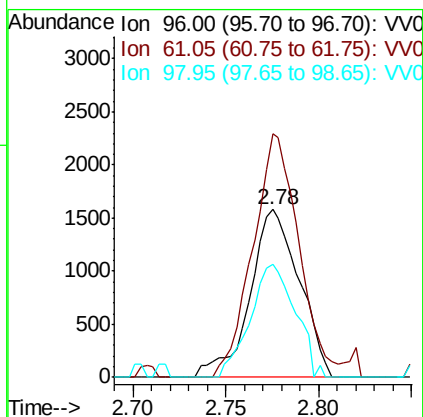
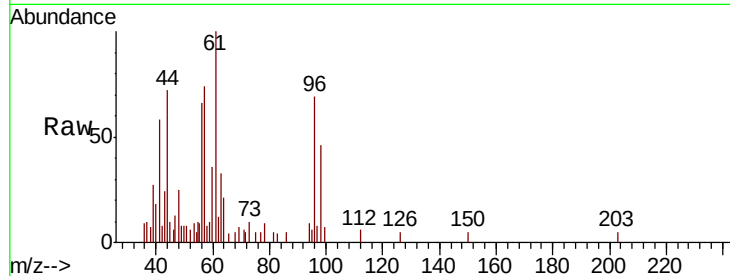




#18
trans-1,2-Dichloroethene
Concen: 0.355 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV017371.D
Acq: 07 Jul 2020 12:15

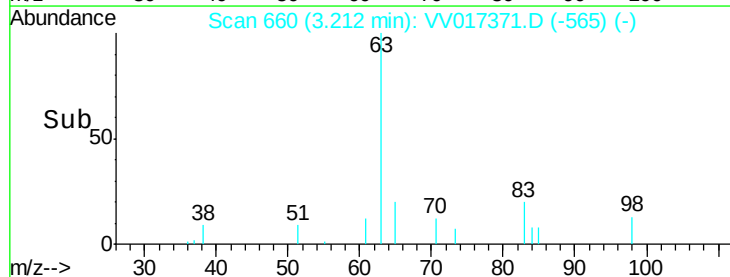
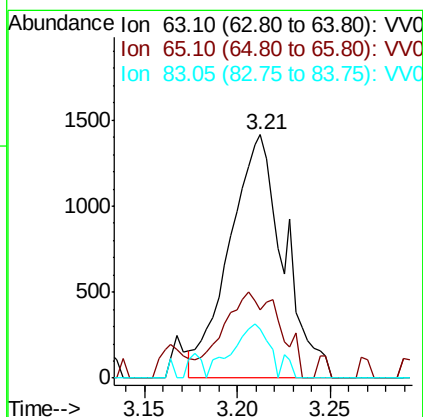
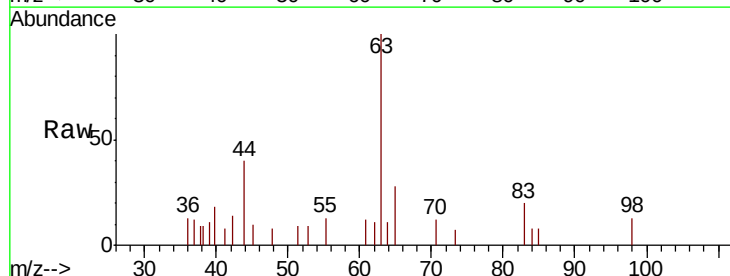
Instrument :
MSVOA_V
ClientSampled :

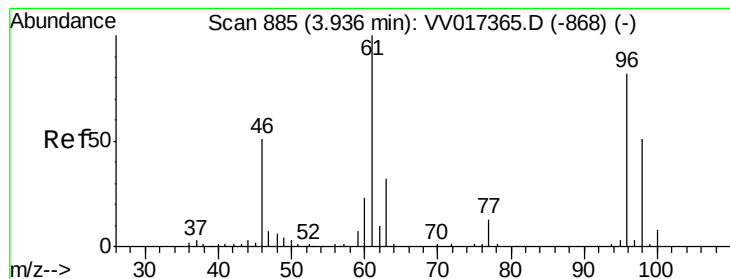
Tot Ion: 96 Resp: 2915
Ion Ratio Lower Upper
96 100
61 145.0 102.3 189.9
98 67.0 44.7 82.9



#19
1,1-Dichloroethane
Concen: 0.156 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.01 min
Lab File: VV017371.D
Acq: 07 Jul 2020 12:15

Tgt Ion: 63 Resp: 2884
Ion Ratio Lower Upper
63 100
65 25.3 21.8 40.4
83 18.4 9.7 17.9#



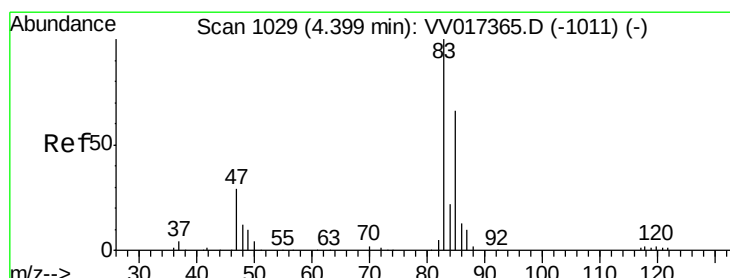
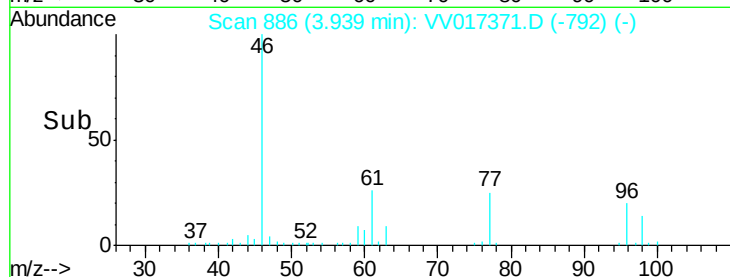
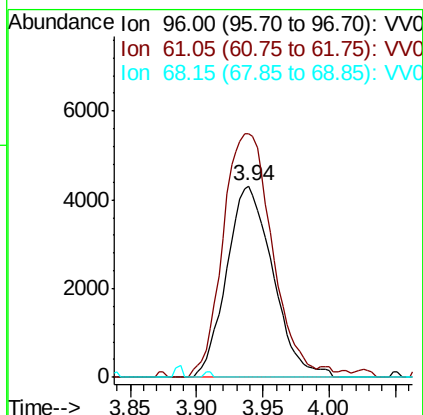
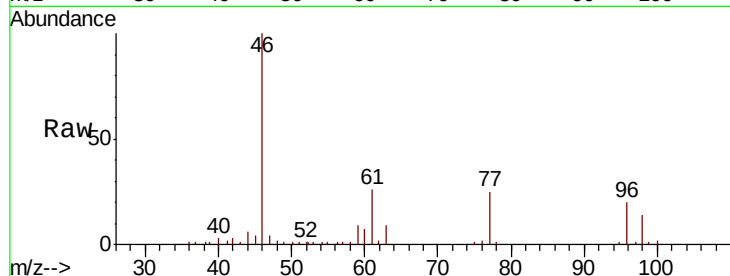


#22

cis-1,2-Dichloroethene
 Concen: 0.932 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017371.D
 Acq: 07 Jul 2020 12:15

Instrument :
 MSVOA_V
 ClientSampleId :

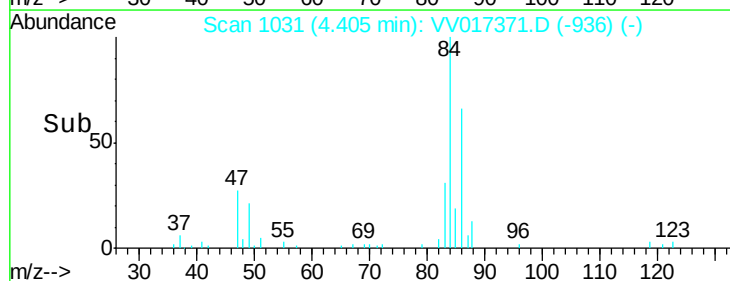
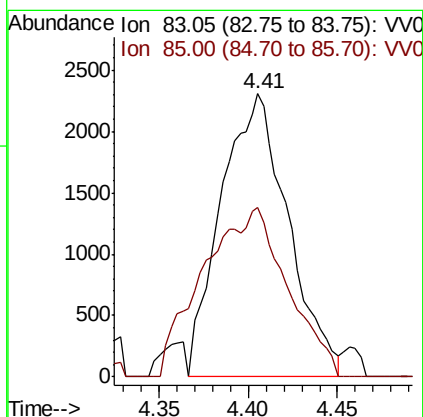
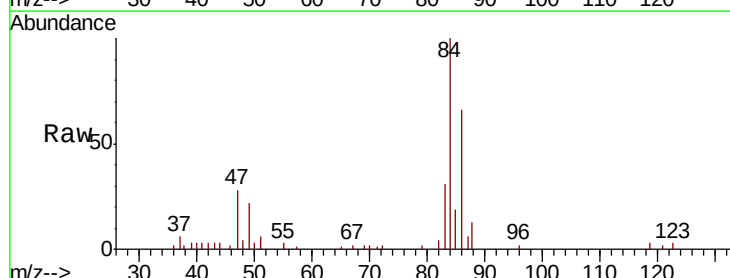
Tot Ion: 96 Resp: 10476
 Ion Ratio Lower Upper
 96 100
 61 127.0 91.0 169.0
 68 0.0 0.0 0.0

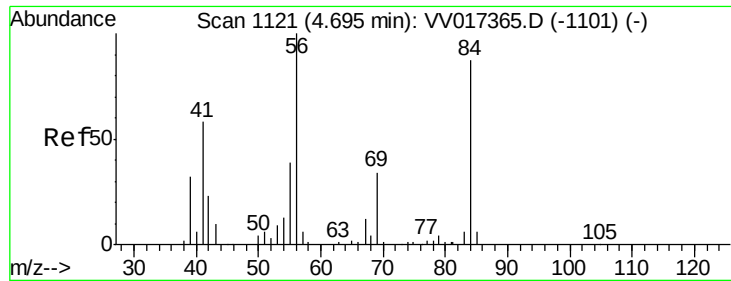


#25

Chloroform
 Concen: 0.299 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV017371.D
 Acq: 07 Jul 2020 12:15

Tgt Ion: 83 Resp: 6036
 Ion Ratio Lower Upper
 83 100
 85 60.1 44.2 82.2

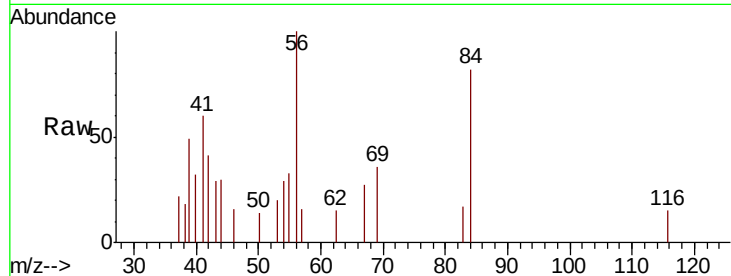




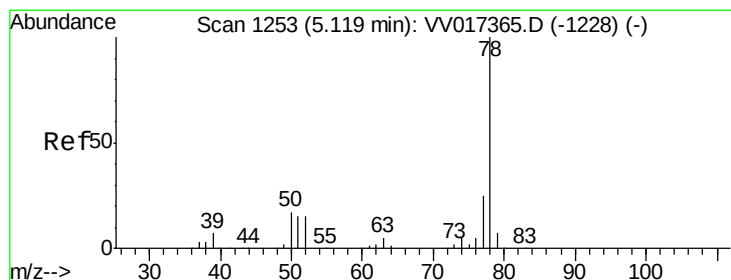
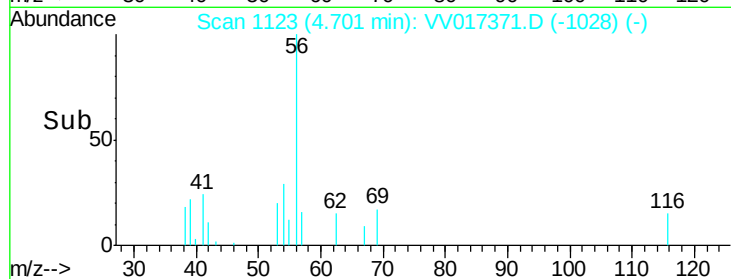
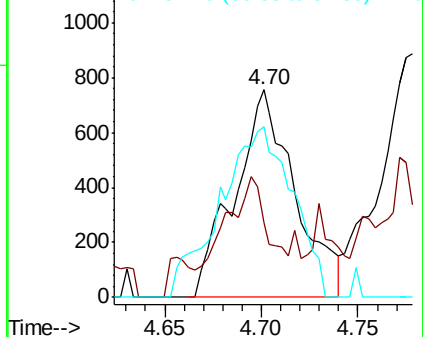
#30
Cyclohexane
Concen: 0.092 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VV017371.D
Acq: 07 Jul 2020 12:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 56 Resp: 1641
Ion Ratio Lower Upper
56 100
69 33.1 24.4 36.6
84 98.7 69.9 104.9

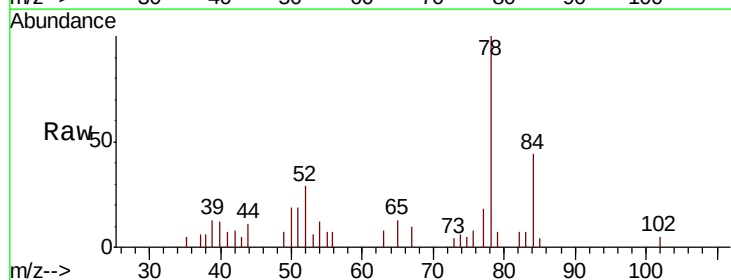


Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0

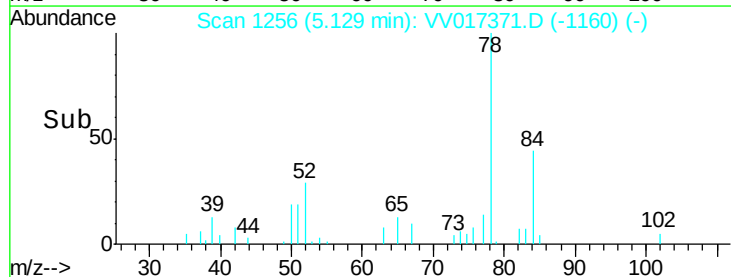
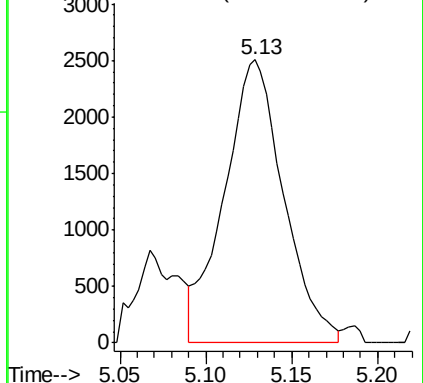


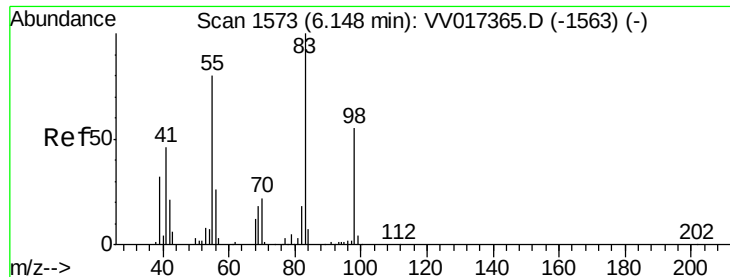
#33
Benzene
Concen: 0.148 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017371.D
Acq: 07 Jul 2020 12:15

Tgt Ion: 78 Resp: 6018



Abundance Ion 78.10 (77.80 to 78.80): VV0

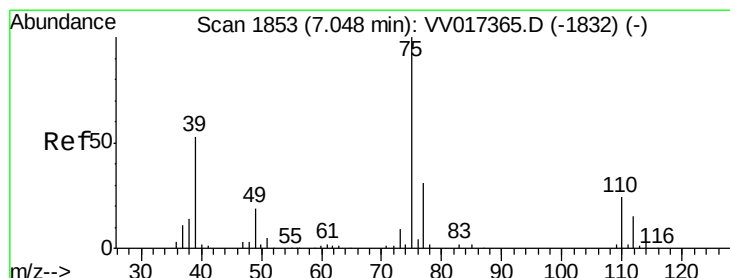
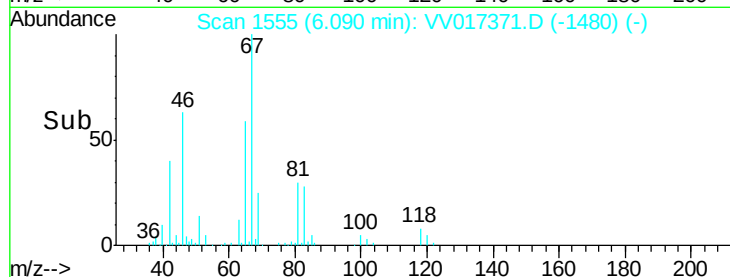
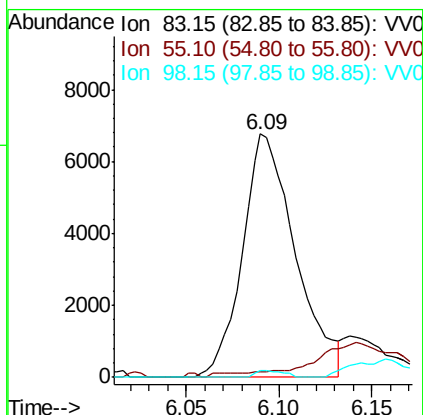
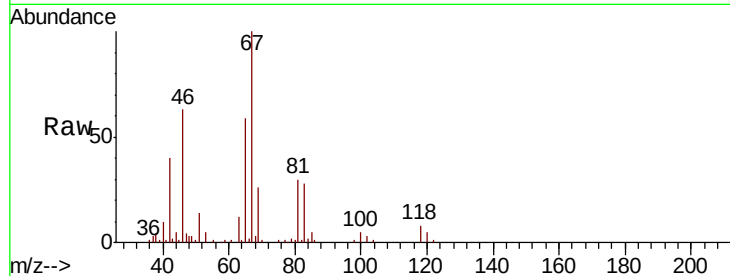




#35
Methylcyclohexane
Concen: 0.725 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.06 min
Lab File: VV017371.D
Acq: 07 Jul 2020 12:15

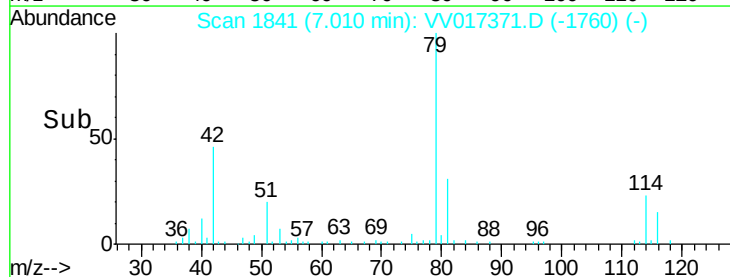
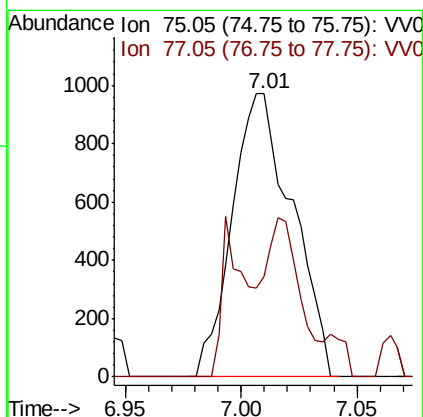
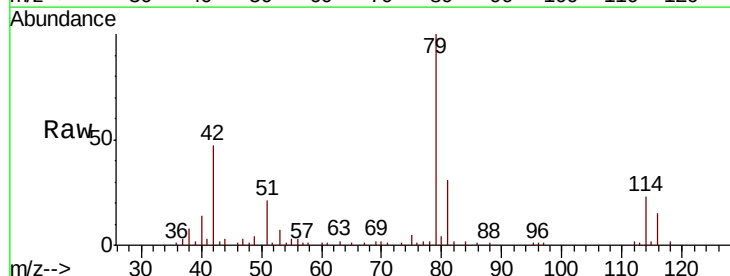
Instrument :
MSVOA_V
ClientSampleId :

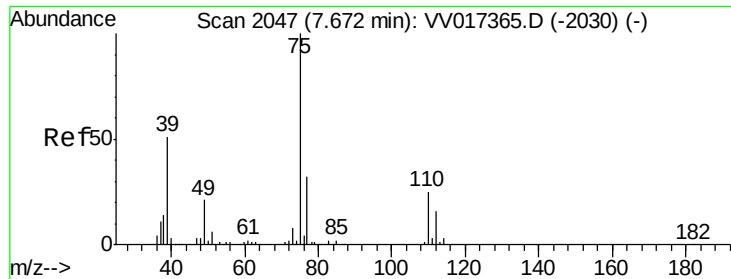
Tot Ion: 83 Resp: 13458
Ion Ratio Lower Upper
83 100
55 1.1 63.6 95.4#
98 1.5 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.117 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017371.D
Acq: 07 Jul 2020 12:15

Tgt Ion: 75 Resp: 1757
Ion Ratio Lower Upper
75 100
77 35.3 22.3 41.5





#46

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017371.D

Acq: 07 Jul 2020 12:15

Instrument :

MSVOA_V

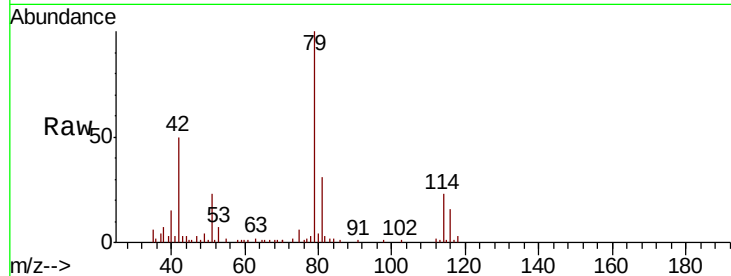
ClientSampleId :

Tot Ion: 75 Resp: 1064

Ion Ratio Lower Upper

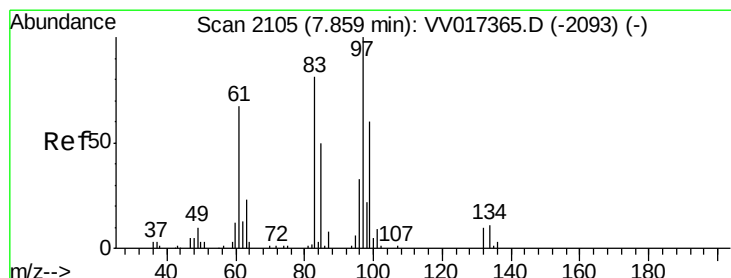
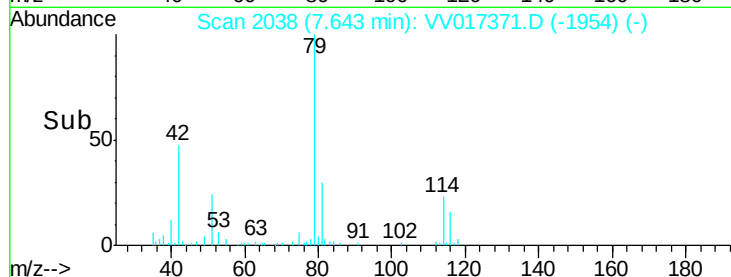
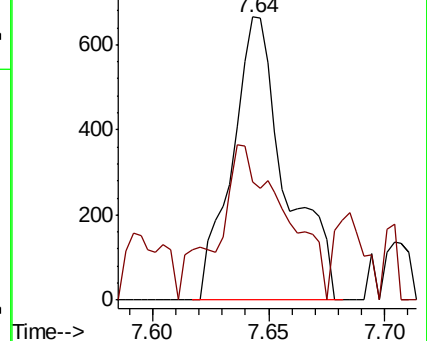
75 100

77 42.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 0.288 ug/L

RT: 7.81 min Scan# 2089

Delta R.T. -0.05 min

Lab File: VV017371.D

Acq: 07 Jul 2020 12:15

Tgt Ion: 97 Resp: 2058

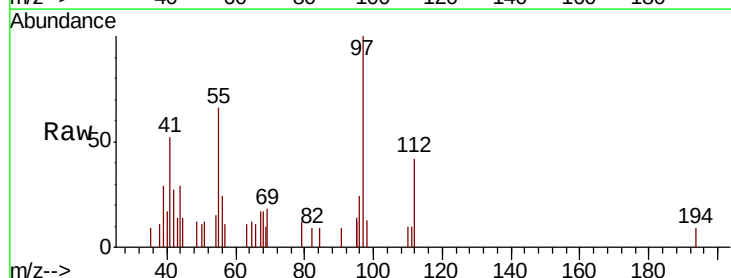
Ion Ratio Lower Upper

97 100

99 0.0 43.6 81.0#

83 0.0 57.4 106.6#

85 0.0 38.8 72.0#

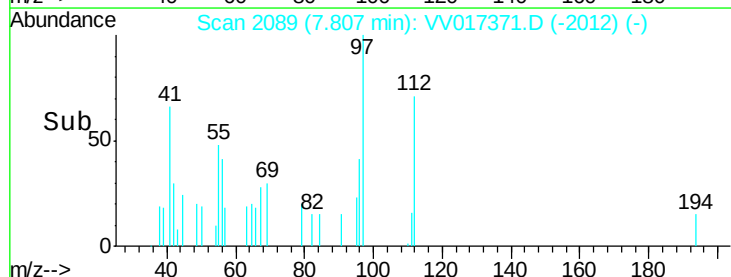
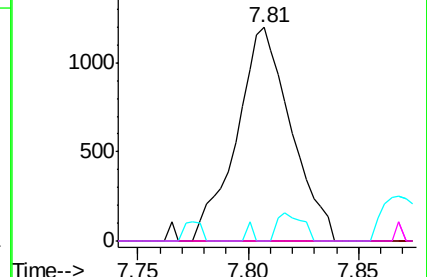


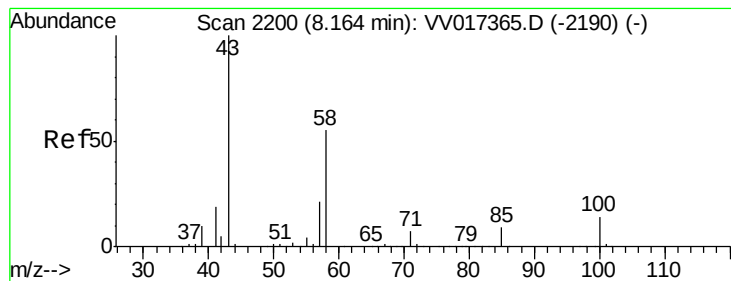
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#50

2-Hexanone

Concen: 0.702 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

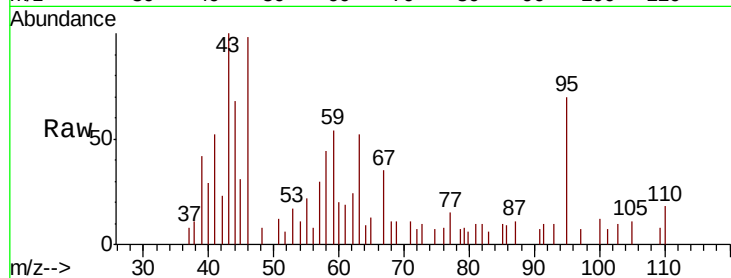
Lab File: VV017371.D

Acq: 07 Jul 2020 12:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2912

Ion	Ratio	Lower	Upper
43	100		
58	64.7	41.6	62.4#
57	6.9	15.4	23.0#
100	6.8	10.1	15.1#

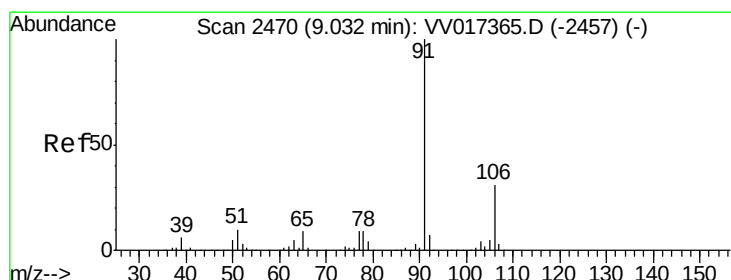
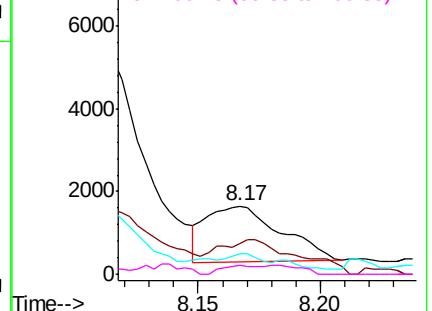
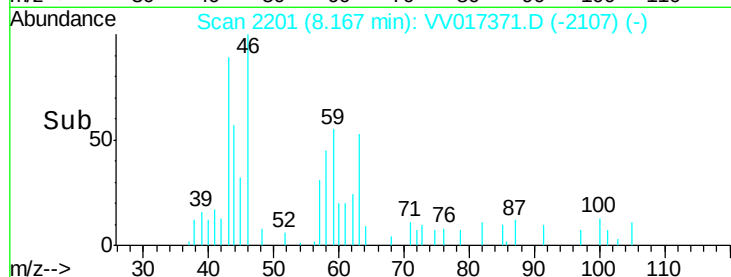


Abundance Ion 43.05 (42.75 to 43.75): VV017371.D (-2107) (-)

Ion 58.05 (57.75 to 58.75): VV017371.D (-2107) (-)

Ion 57.20 (56.90 to 57.90): VV017371.D (-2107) (-)

Ion 100.15 (99.85 to 100.85): VV017371.D (-2107) (-)



#54

Ethylbenzene

Concen: 0.062 ug/L

RT: 9.04 min Scan# 2472

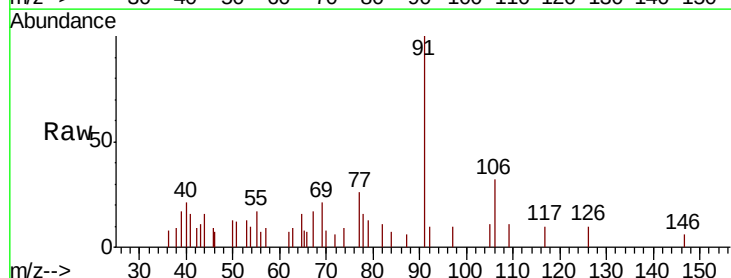
Delta R.T. 0.01 min

Lab File: VV017371.D

Acq: 07 Jul 2020 12:15

Tgt Ion: 91 Resp: 3128

Ion	Ratio	Lower	Upper
91	100		
106	32.2	21.1	39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017371.D (-2377) (-)

Ion 106.15 (105.85 to 106.85): VV017371.D (-2377) (-)

