

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016133.D
 Acq On : 20 May 2020 15:52
 Operator : SY/MD
 Sample : L2725-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 01:41:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	135153	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	134524	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	63041	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31889	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.58	69	35725	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.12	63	56023	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	3.92	46	118259	56.54	ug/L	-0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.08%
24) Chloroform-d	4.38	84	79080	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.06	65	47330	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.08	84	159047	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.10	67	51685	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.34	98	136945	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
45) trans-1,3-Dichloropropene-	7.65	79	17029	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
48) 2-Hexanone-d5	8.12	63	87037	51.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.34%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37845	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	53491	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	7584	0.756	ug/L #	83
8) Chloroethane	1.32	64	2640	0.370	ug/L	83
12) 1,1-Dichloroethene	2.13	96	980	0.132	ug/L #	1
13) Acetone	2.23	43	3283	2.380	ug/L	78
18) trans-1,2-Dichloroethene	2.78	96	4069	0.495	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	23902	2.778	ug/L	99
25) Chloroform	4.40	83	9979	0.572	ug/L	95
27) 1,2-Dichloroethane	5.18	62	516	0.048	ug/L #	76
34) Trichloroethene	5.94	95	23373	2.420	ug/L	95
35) Methylcyclohexane	6.10	83	13131	0.899	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6111	0.711	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1259	0.104	ug/L	86
46) trans-1,3-Dichloropropene	7.65	75	828	0.081	ug/L #	37
50) 2-Hexanone	8.12	43	13387	3.532	ug/L #	80
53) Chlorobenzene	8.90	112	2046	0.089	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 21 01:36:12 2020
Response via : Initial Calibration

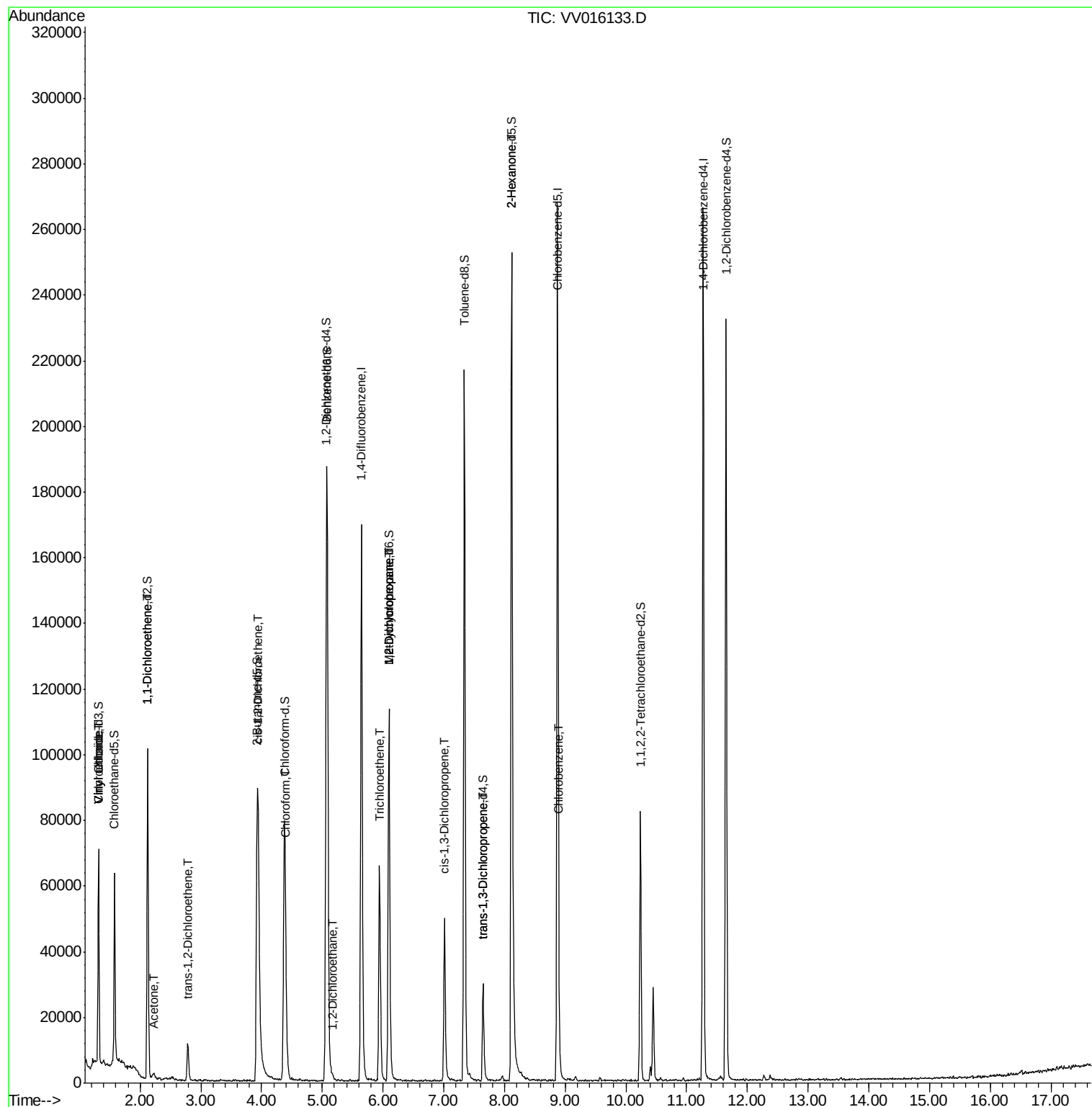
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

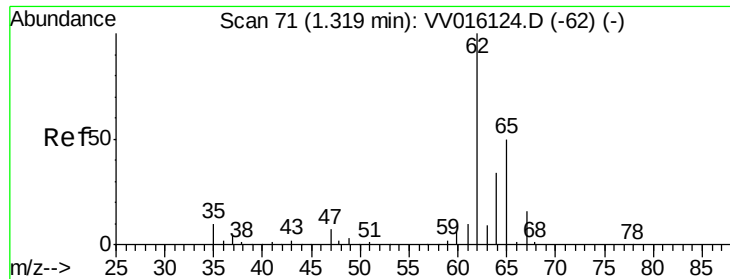
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052020\
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.756 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016133.D

Acq: 20 May 2020 15:52

Instrument :

MSVOA_V

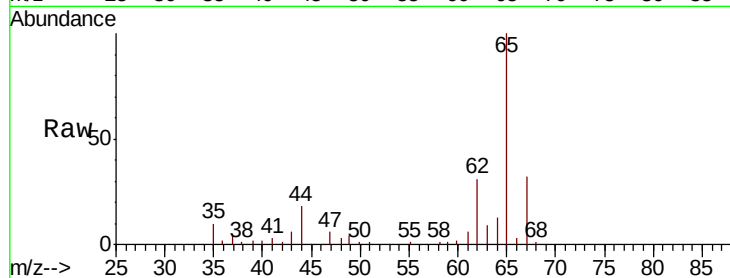
ClientSampleId :

Tot Ion: 62 Resp: 7584

Ion Ratio Lower Upper

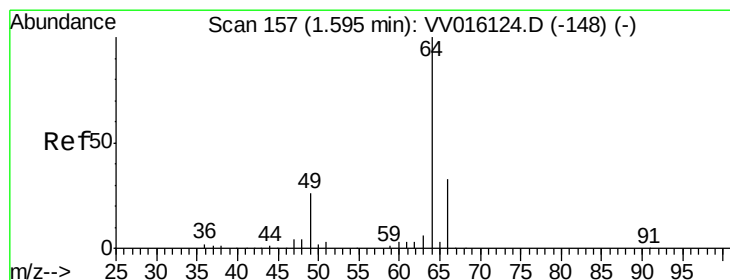
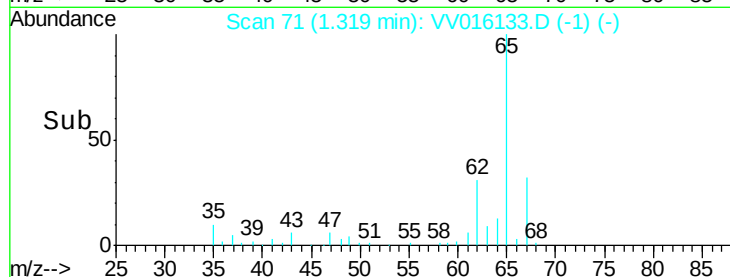
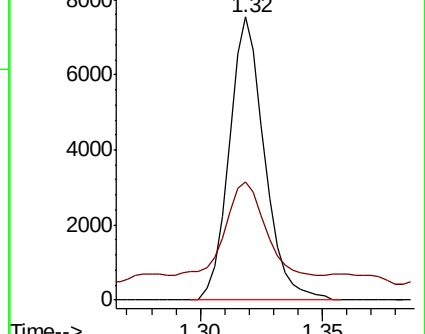
62 100

64 41.7 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.370 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV016133.D

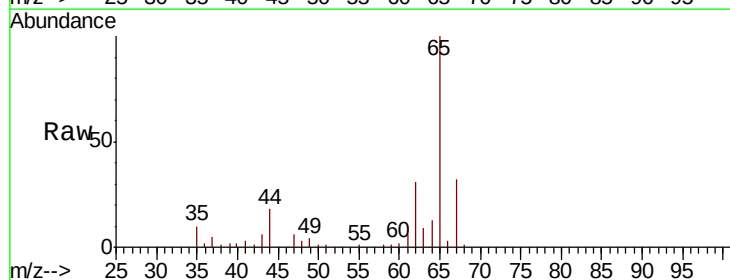
Acq: 20 May 2020 15:52

Tgt Ion: 64 Resp: 2640

Ion Ratio Lower Upper

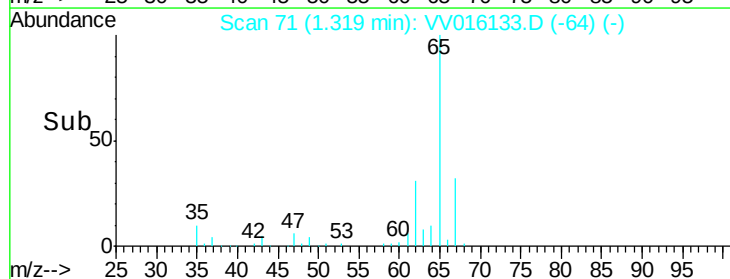
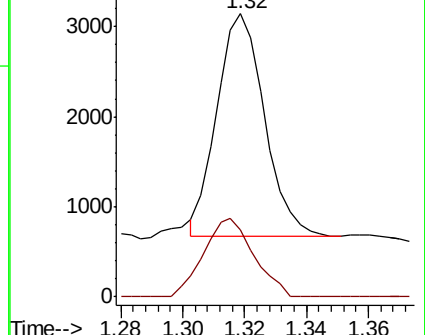
64 100

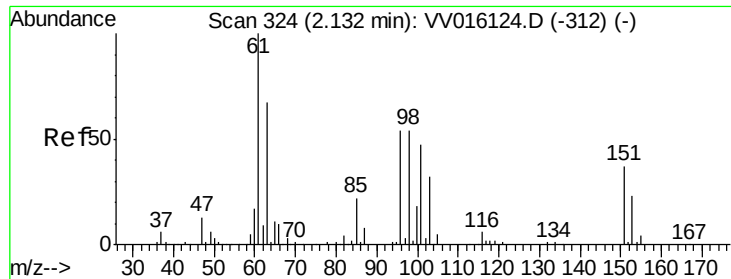
66 23.8 23.6 43.8



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.132 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016133.D

Acq: 20 May 2020 15:52

Instrument :

MSVOA_V

ClientSampled :

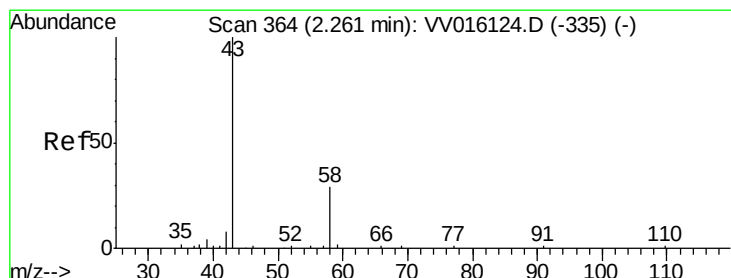
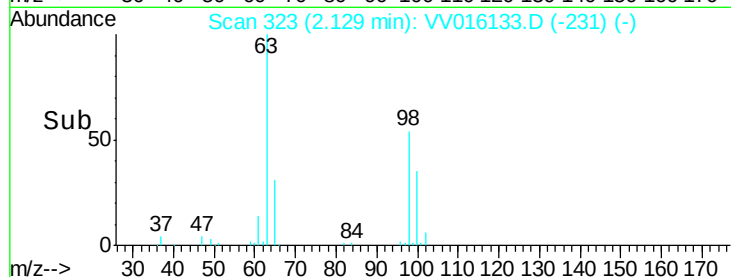
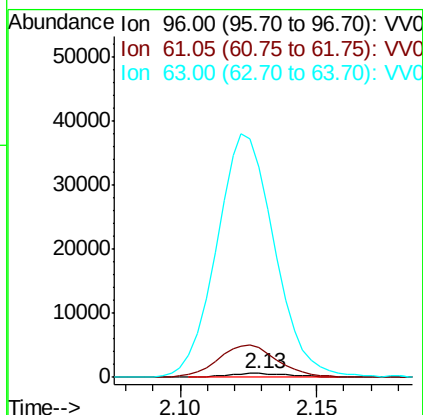
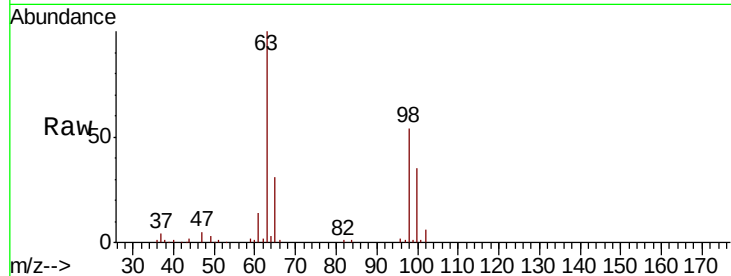
Tot Ion: 96 Resp: 980

Ion Ratio Lower Upper

96 100

61 763.4 139.9 259.7#

63 5395.4 106.4 197.6#



#13

Acetone

Concen: 2.380 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.04 min

Lab File: VV016133.D

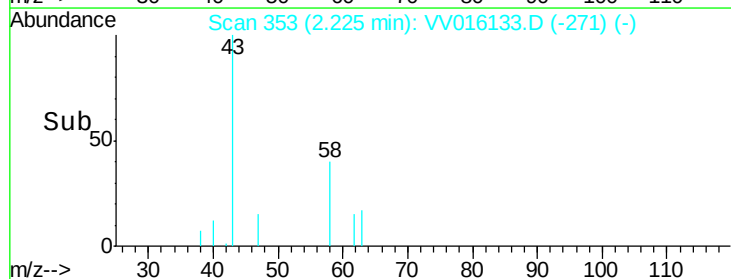
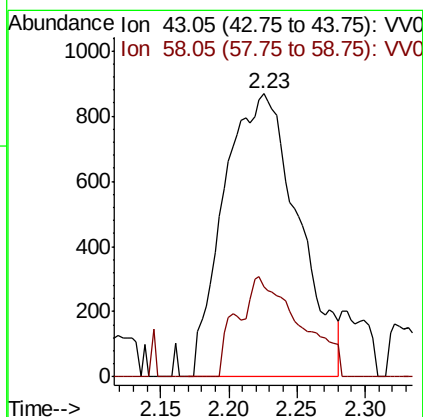
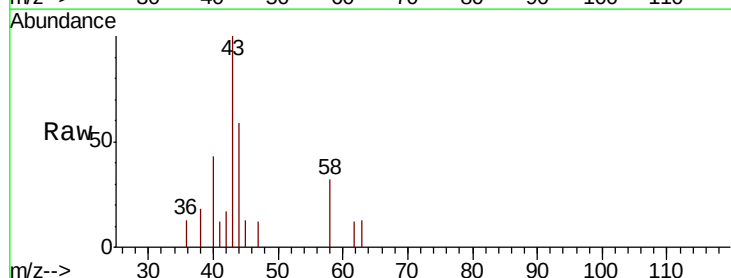
Acq: 20 May 2020 15:52

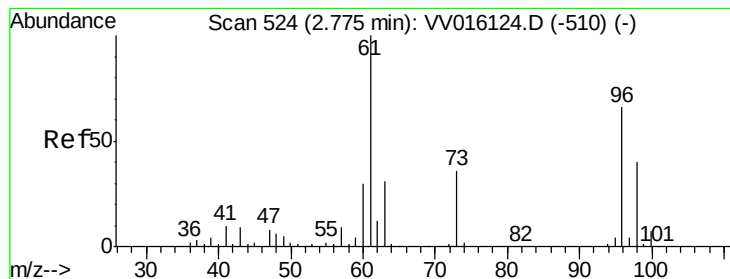
Tgt Ion: 43 Resp: 3283

Ion Ratio Lower Upper

43 100

58 24.8 0.0 30.8





#18

trans-1,2-Dichloroethene

Concen: 0.495 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV016133.D

Acq: 20 May 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

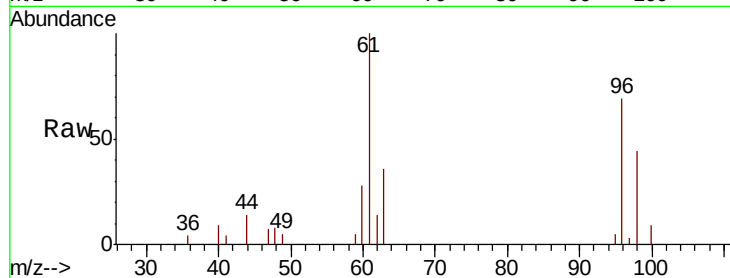
Tot Ion: 96 Resp: 4069

Ion Ratio Lower Upper

96 100

61 144.4 105.3 195.5

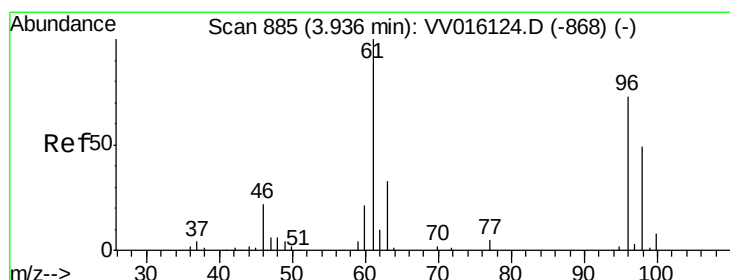
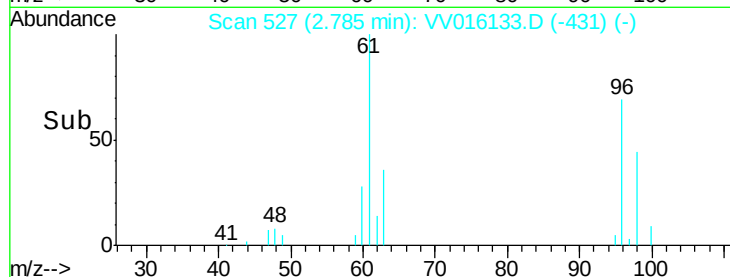
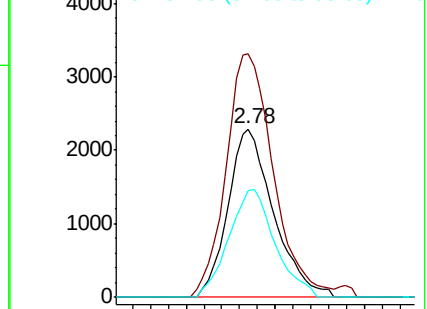
98 62.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.778 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV016133.D

Acq: 20 May 2020 15:52

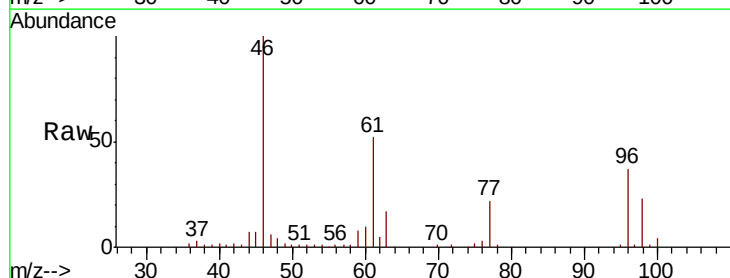
Tgt Ion: 96 Resp: 23902

Ion Ratio Lower Upper

96 100

61 140.6 97.2 180.6

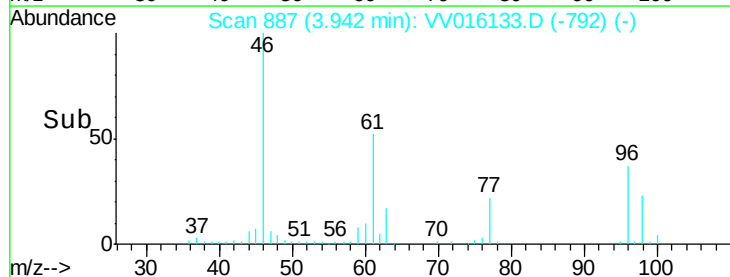
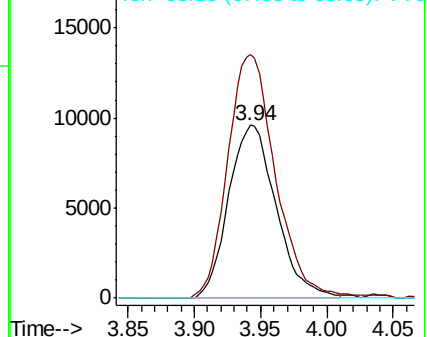
68 0.0 0.0 0.0

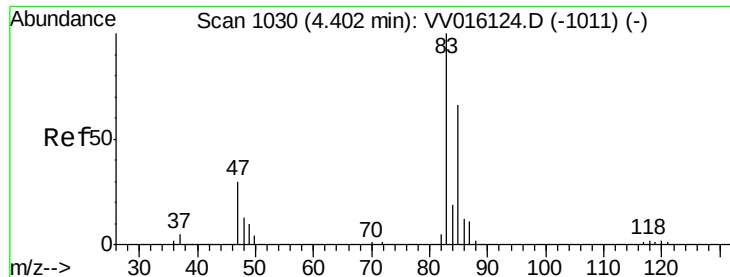


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

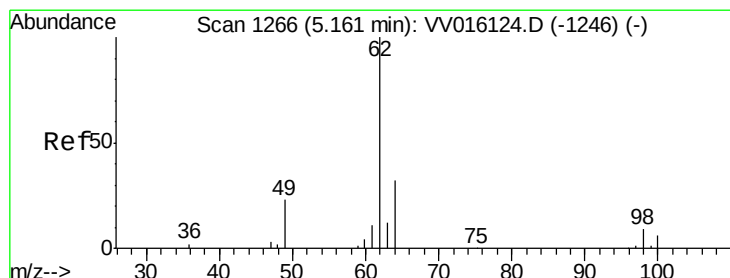
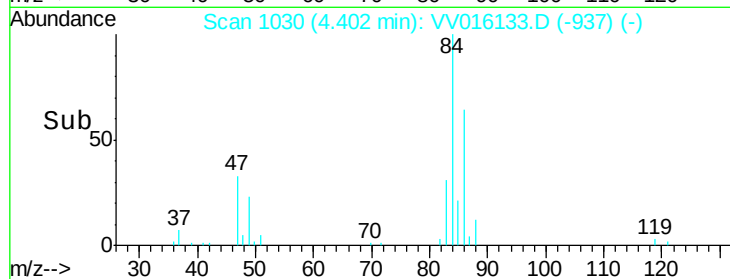
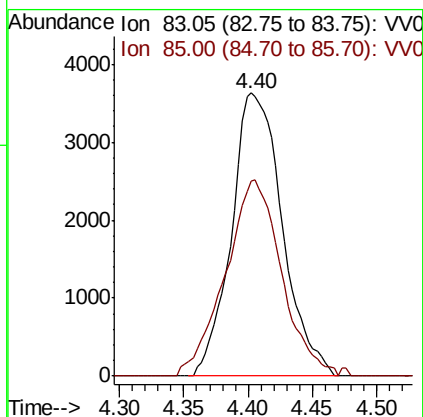
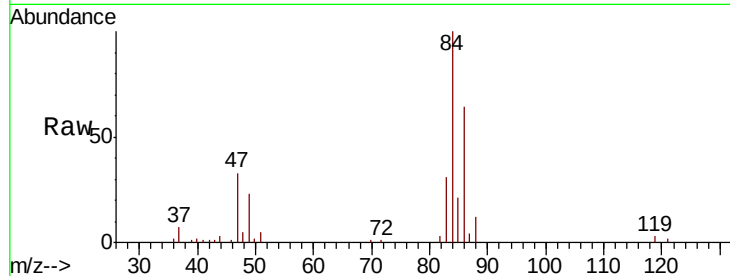




#25
Chloroform
Concen: 0.572 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016133.D
Acq: 20 May 2020 15:52

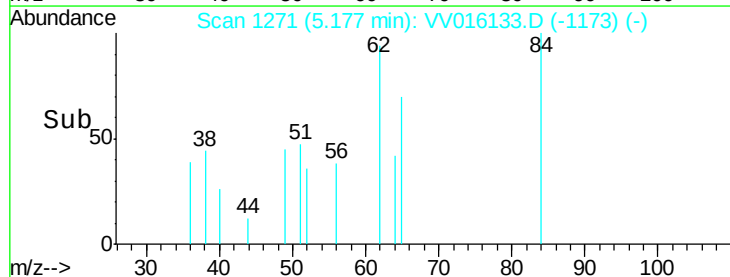
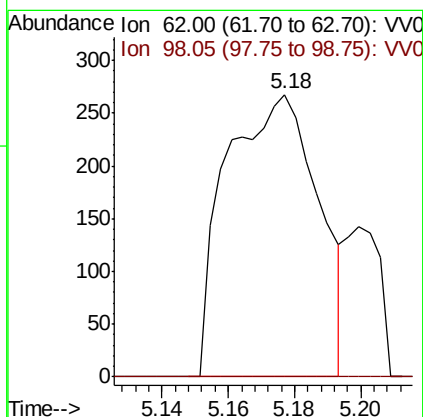
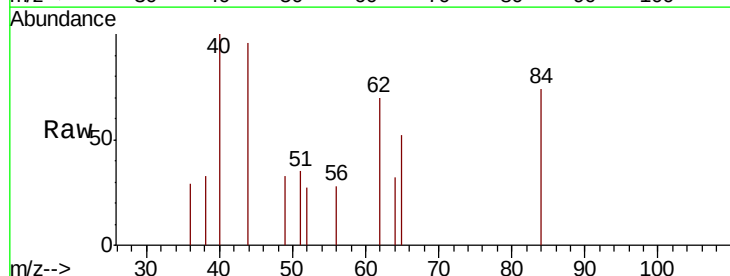
Instrument :
MSVOA_V
ClientSampled :

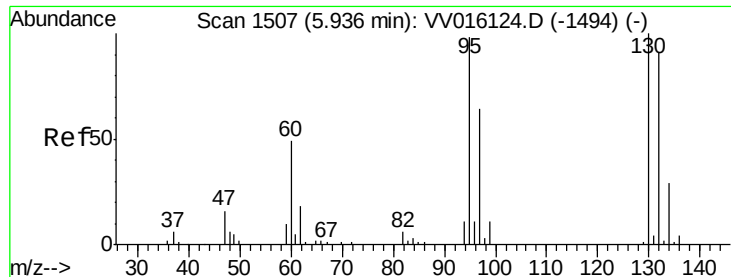
Tot Ion: 83 Resp: 9979
Ion Ratio Lower Upper
83 100
85 69.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.048 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.02 min
Lab File: VV016133.D
Acq: 20 May 2020 15:52

Tgt Ion: 62 Resp: 516
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

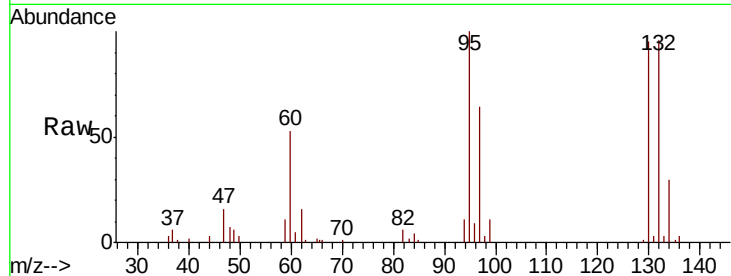




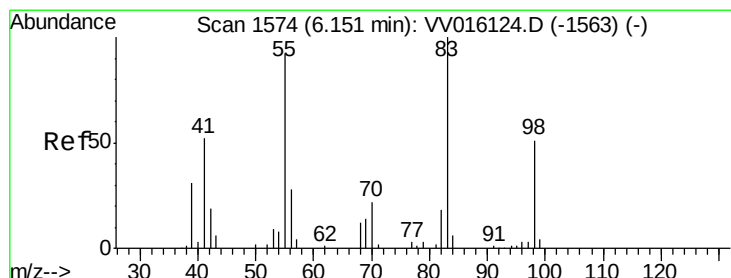
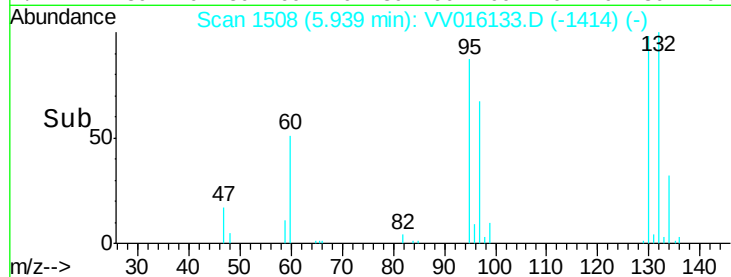
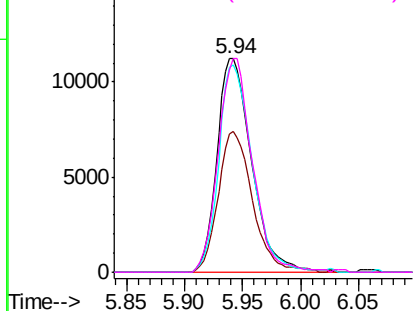
#34
 Trichloroethene
 Concen: 2.420 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016133.D
 Acq: 20 May 2020 15:52

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 23373
 Ion Ratio Lower Upper
 95 100
 97 64.5 43.3 80.5
 132 96.0 60.3 112.1
 130 94.5 66.0 122.6

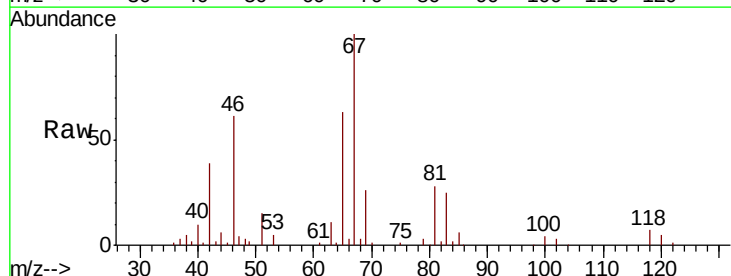


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

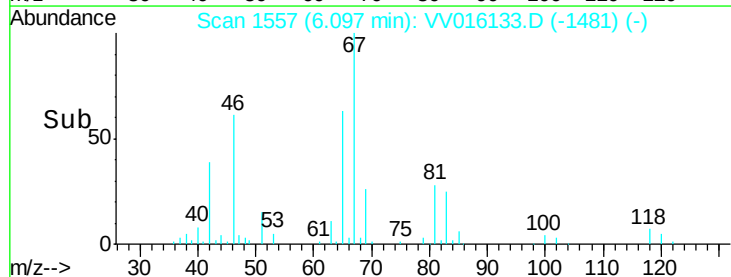
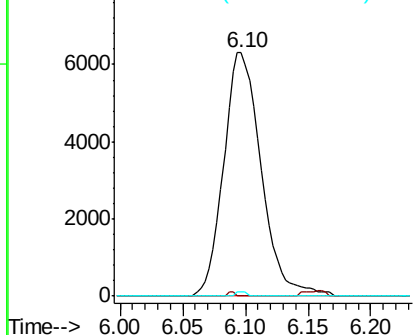


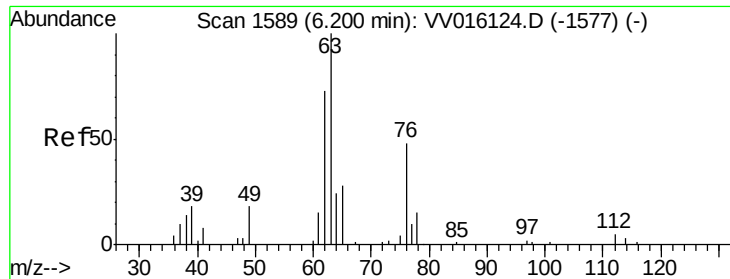
#35
 Methylcyclohexane
 Concen: 0.899 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV016133.D
 Acq: 20 May 2020 15:52

Tgt Ion: 83 Resp: 13131
 Ion Ratio Lower Upper
 83 100
 55 0.3 66.2 99.2#
 98 0.5 37.9 56.9#



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

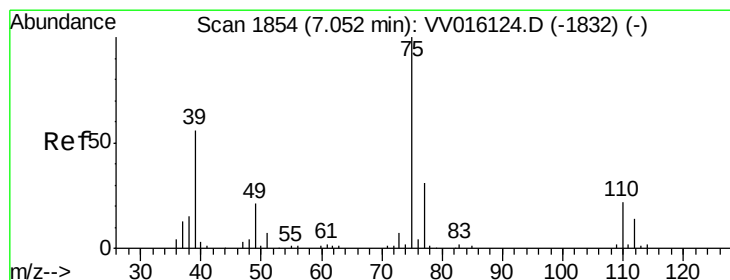
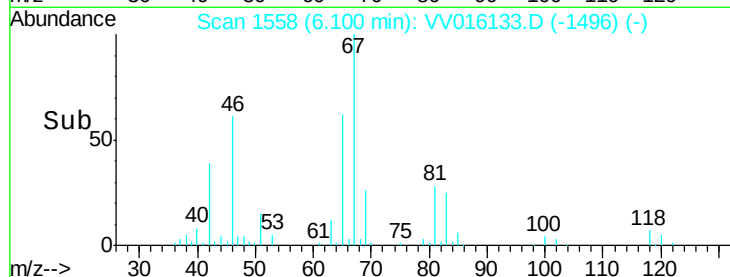
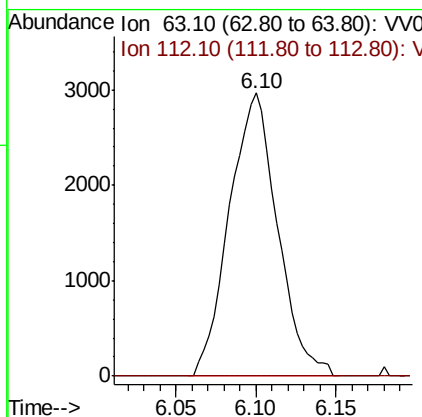
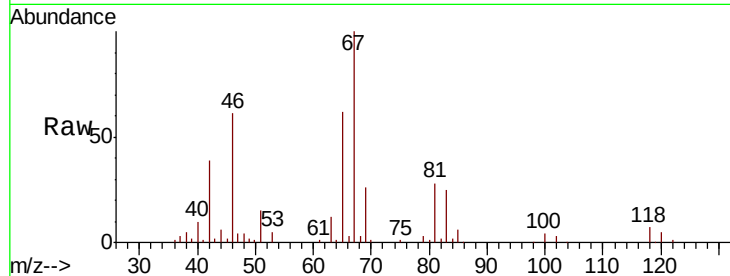




#37
 1,2-Dichloropropane
 Concen: 0.711 ug/L
 RT: 6.10 min Scan# 1558
 Delta R.T. -0.10 min
 Lab File: VV016133.D
 Acq: 20 May 2020 15:52

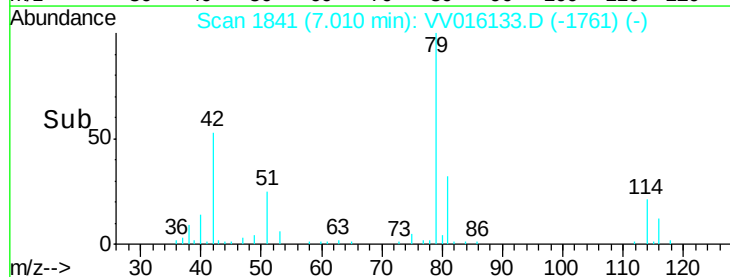
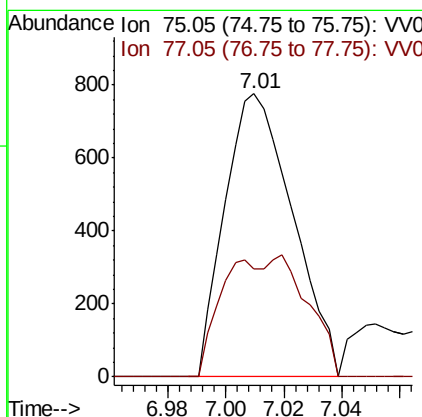
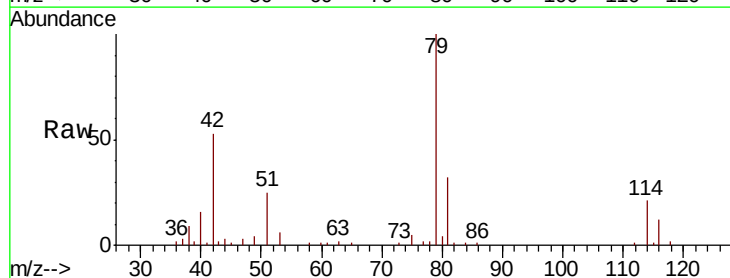
Instrument :
 MSVOA_V
 ClientSampleId :

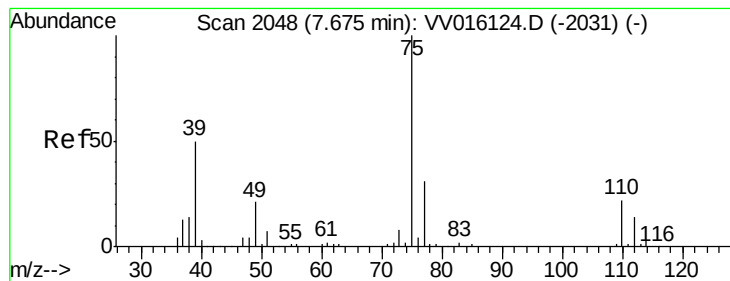
Tot Ion: 63 Resp: 6111
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.104 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016133.D
 Acq: 20 May 2020 15:52

Tgt Ion: 75 Resp: 1259
 Ion Ratio Lower Upper
 75 100
 77 38.3 21.3 39.5





#46

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016133.D

Acq: 20 May 2020 15:52

Instrument :

MSVOA_V

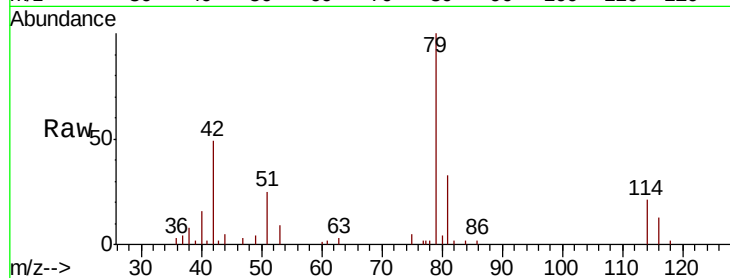
ClientSampleId :

Tot Ion: 75 Resp: 828

Ion Ratio Lower Upper

75 100

77 64.7 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

400

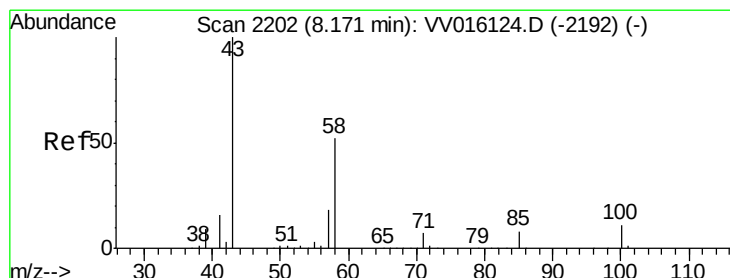
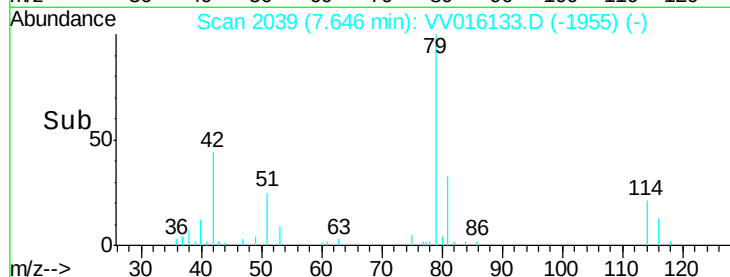
300

200

100

0

Time--> 7.60 7.65



#50

2-Hexanone

Concen: 3.532 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016133.D

Acq: 20 May 2020 15:52

Tgt Ion: 43 Resp: 13387

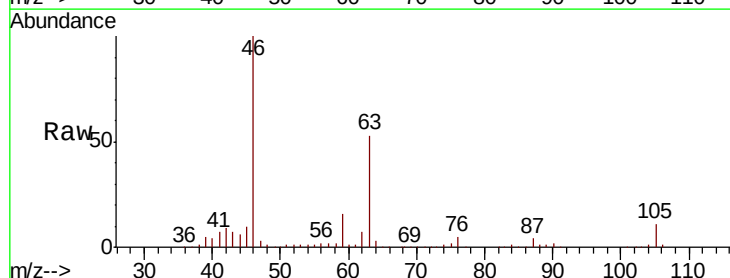
Ion Ratio Lower Upper

43 100

58 38.3 40.8 61.2#

57 26.7 14.7 22.1#

100 0.6 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

8.12

10000

8000

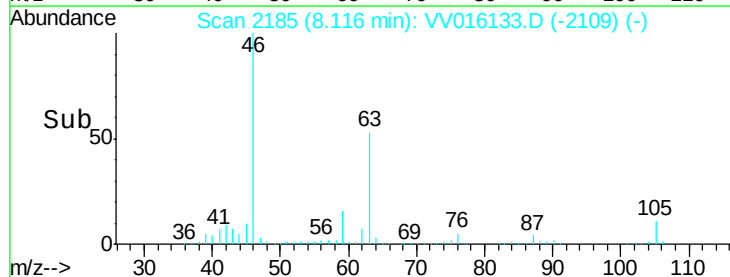
6000

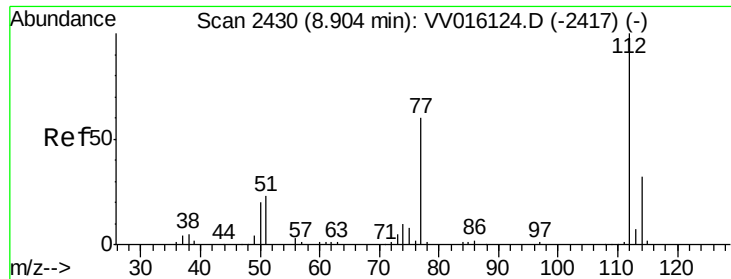
4000

2000

0

Time--> 8.05 8.10 8.15 8.20

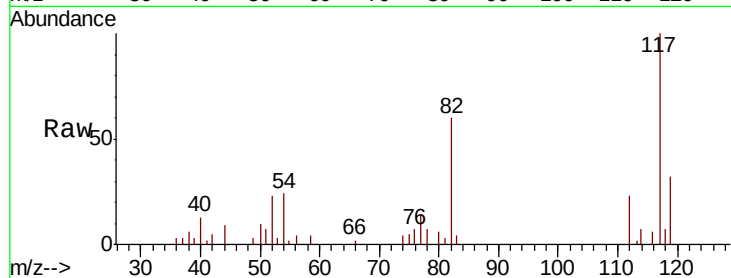




#53
 Chlorobenzene
 Concen: 0.089 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV016133.D
 Acq: 20 May 2020 15:52

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	112	Resp:	2046
Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.6	40.0
77	63.2	48.6	73.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0

