

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017284.D
 Acq On : 01 Jul 2020 12:47
 Operator : SY/MD
 Sample : L3150-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETYH9

Quant Time: Jul 02 03:06:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 02 03:02:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	171978	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	166863	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	74805	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46434	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.58	69	41343	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.13	63	73202	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	3.92	46	133110	50.60	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.20%
24) Chloroform-d	4.38	84	112810	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.06	65	61557	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.08	84	201853	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.09	67	61275	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.34	98	176283	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
45) trans-1,3-Dichloropropene-	7.64	79	22656	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
48) 2-Hexanone-d5	8.11	63	84273	40.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.96%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	43709	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	73509	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1037	0.089	ug/L	86
5) Vinyl chloride	1.32	62	25650	2.273	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	712	0.078	ug/L #	28
12) 1,1-Dichloroethene	2.13	96	924	0.112	ug/L #	1
13) Acetone	2.20	43	3764	2.831	ug/L	93
16) Methylene chloride	2.53	84	1191	0.135	ug/L	93
22) cis-1,2-Dichloroethene	3.94	96	25288	2.114	ug/L	94
34) Trichloroethene	5.94	95	2493	0.195	ug/L	83
35) Methylcyclohexane	6.10	83	16394	0.824	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	7596	0.702	ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	1790	0.111	ug/L #	63
42) Toluene	7.41	91	5963	0.117	ug/L	86
46) trans-1,3-Dichloropropene	7.64	75	1309	0.094	ug/L #	71
49) Tetrachloroethene	7.99	164	1215	0.118	ug/L	80
50) 2-Hexanone	8.17	43	6521	1.467	ug/L #	44

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
Data File : VV017284.D
Acq On : 01 Jul 2020 12:47
Operator : SY/MD
Sample : L3150-04
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETYH9

Quant Time: Jul 02 03:06:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 02 03:02:49 2020
Response via : Initial Calibration

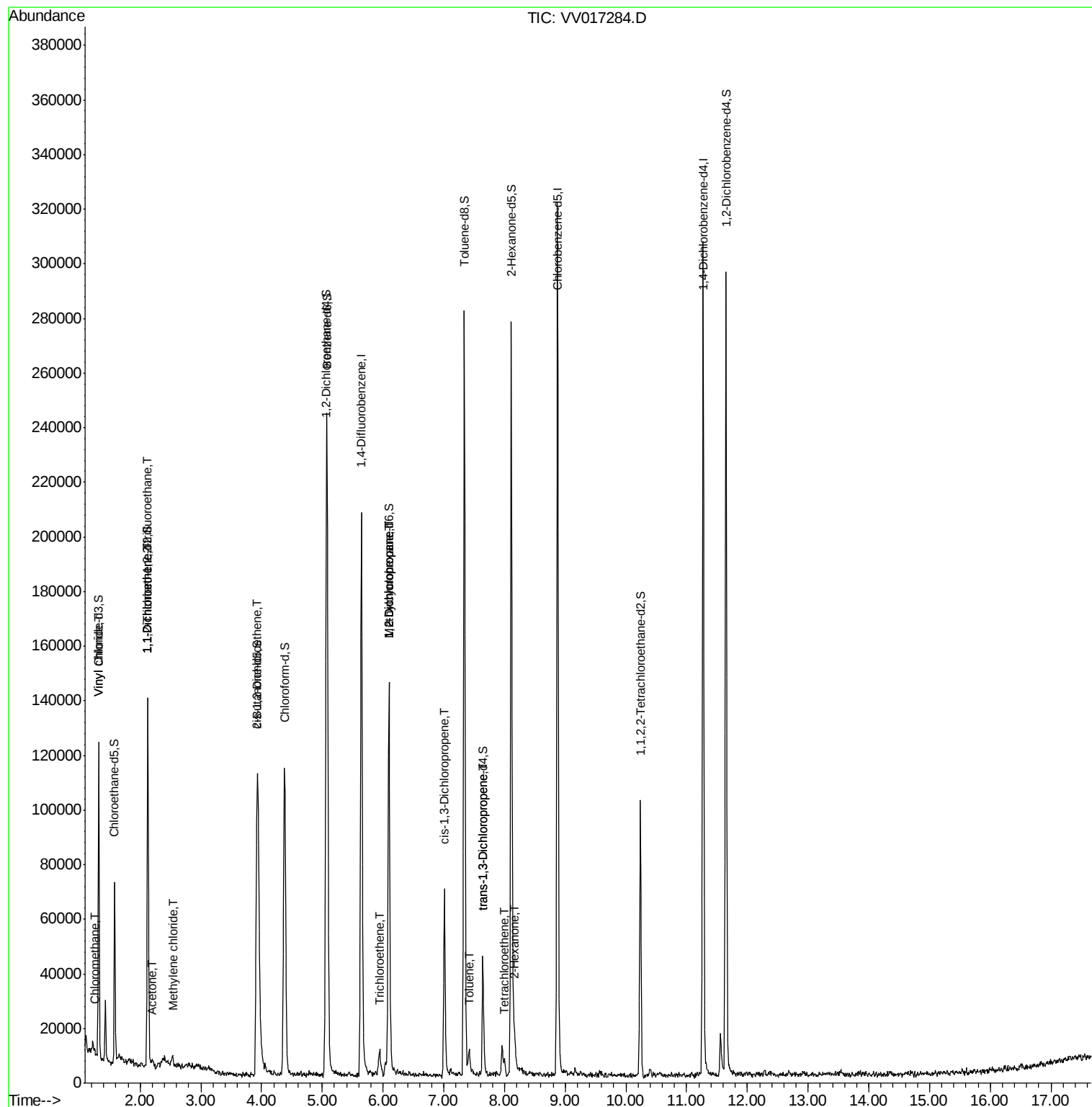
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

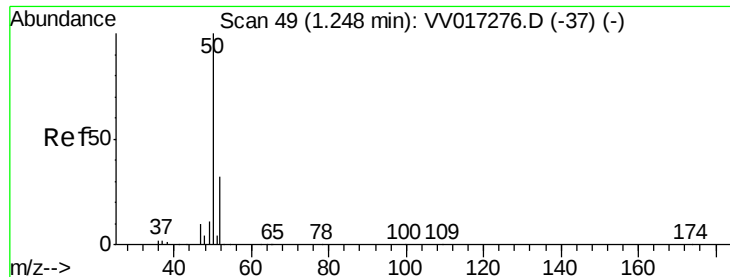
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
Data File : VV017284.D
Acq On : 01 Jul 2020 12:47
Operator : SY/MD
Sample : L3150-04
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETYH9

Quant Time: Jul 02 03:06:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 02 03:02:49 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.089 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017284.D

Acq: 01 Jul 2020 12:47

Instrument :

MSVOA_V

ClientSampleId :

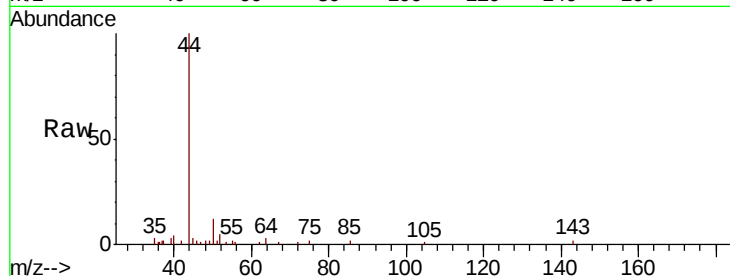
ETYH9

Tot Ion: 50 Resp: 1037

Ion Ratio Lower Upper

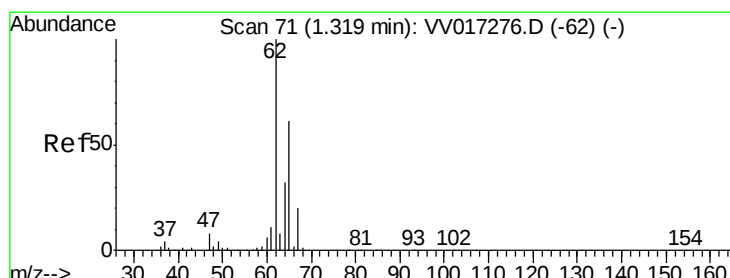
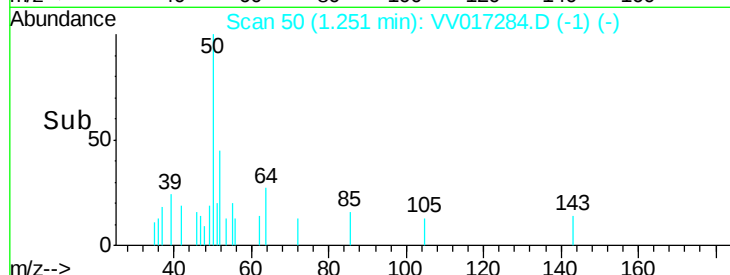
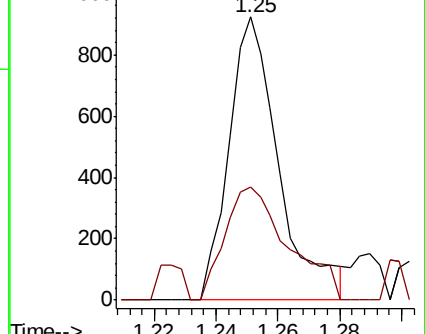
50 100

52 39.9 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 2.273 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017284.D

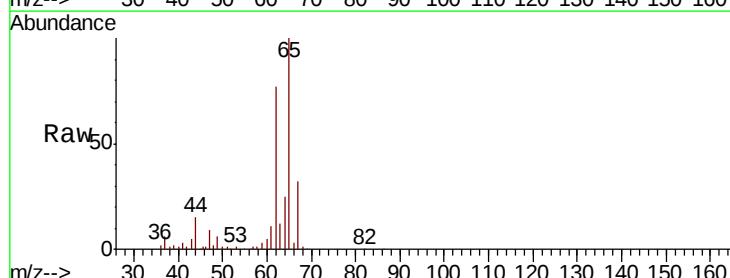
Acq: 01 Jul 2020 12:47

Tgt Ion: 62 Resp: 25650

Ion Ratio Lower Upper

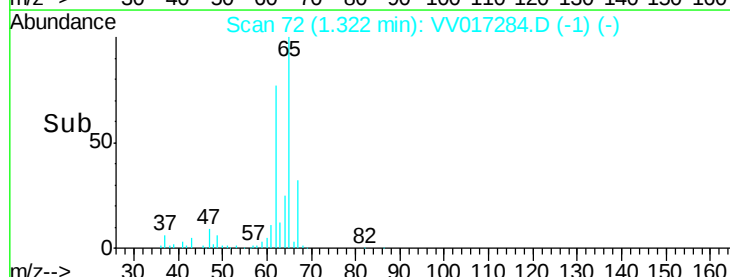
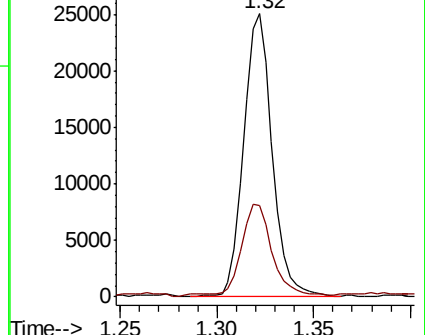
62 100

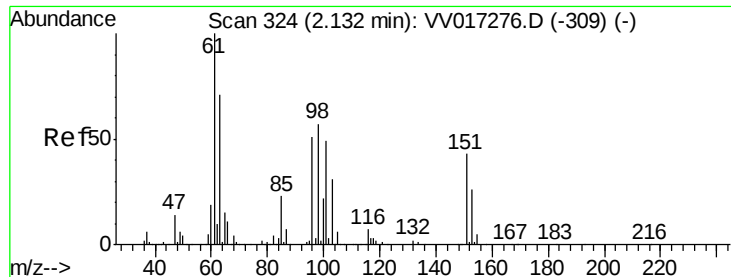
64 32.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#10

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

Concen: 0.078 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017284.D

Acq: 01 Jul 2020 12:47

Instrument :

MSVOA_V

ClientSampled :

ET9H9

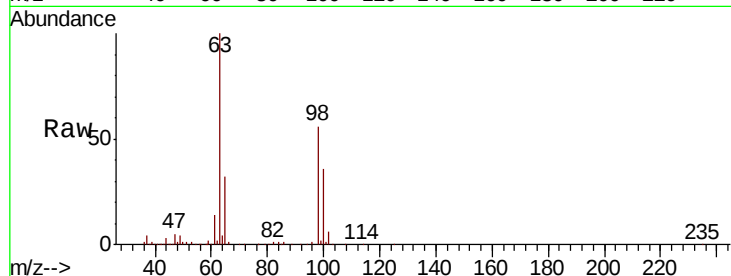
Tot Ion:101 Resp: 712

Ion Ratio Lower Upper

101 100

85 9.1 35.4 53.2#

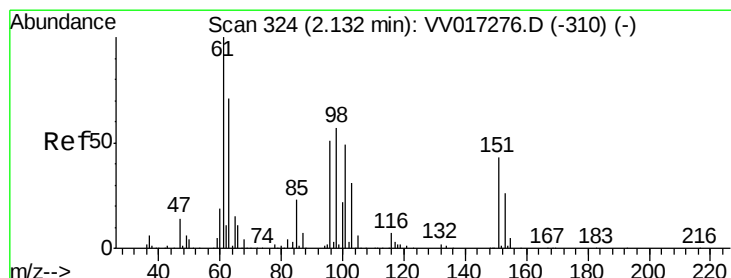
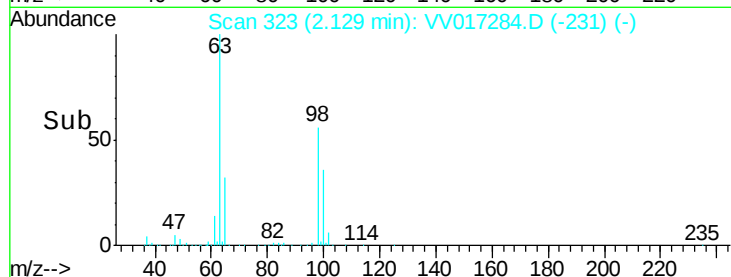
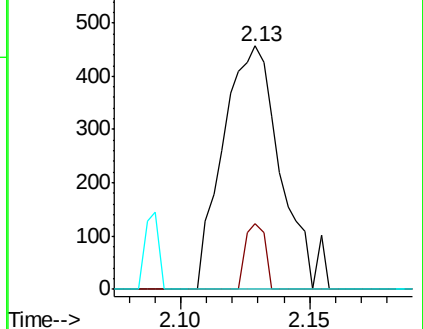
151 7.3 63.9 95.9#



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



#12

1,1-Dichloroethene

Concen: 0.112 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017284.D

Acq: 01 Jul 2020 12:47

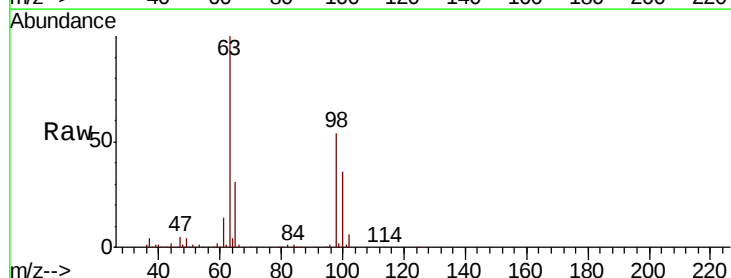
Tgt Ion: 96 Resp: 924

Ion Ratio Lower Upper

96 100

61 1072.9 125.0 232.2#

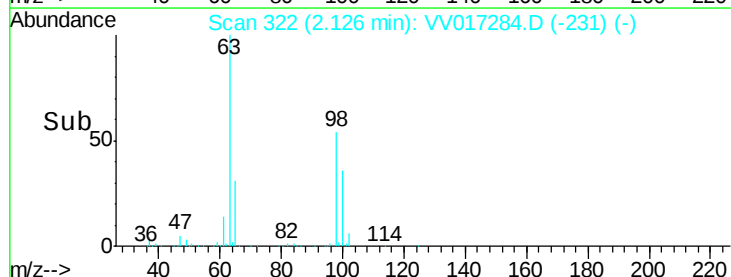
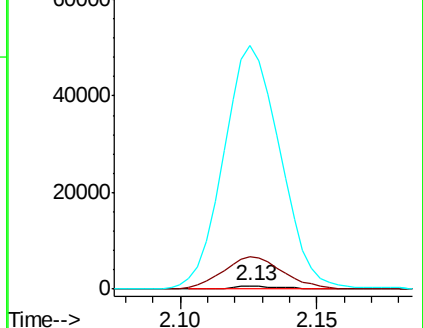
63 7942.0 109.8 203.8#

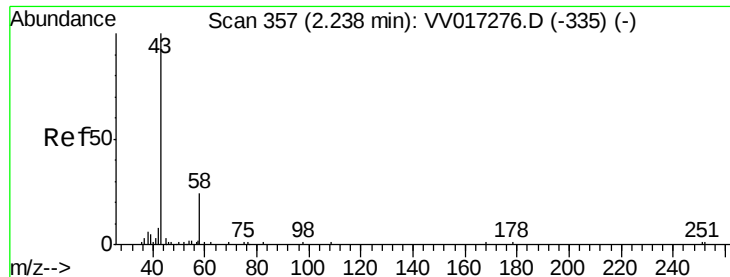


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.831 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.04 min

Lab File: VV017284.D

Acq: 01 Jul 2020 12:47

Instrument :

MSVOA_V

ClientSampleId :

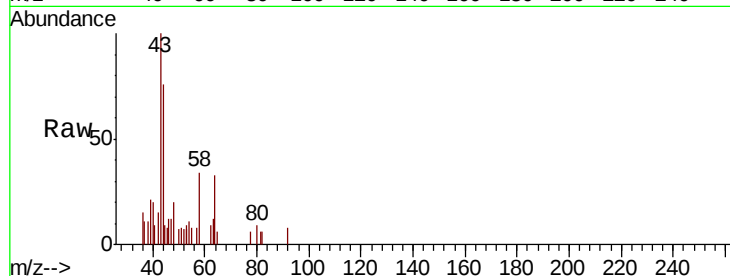
ET9H9

Tot Ion: 43 Resp: 3764

Ion Ratio Lower Upper

43 100

58 25.4 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017276.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV017276.D (-335) (-)

2.20

1500

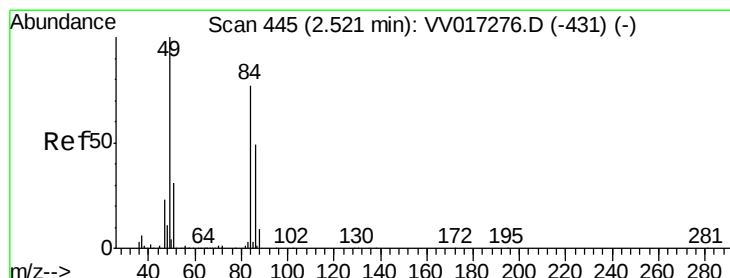
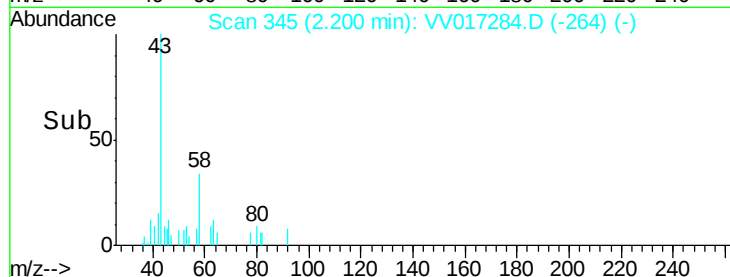
1000

500

0

Time-->

2.15 2.20 2.25



#16

Methylene chloride

Concen: 0.135 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV017284.D

Acq: 01 Jul 2020 12:47

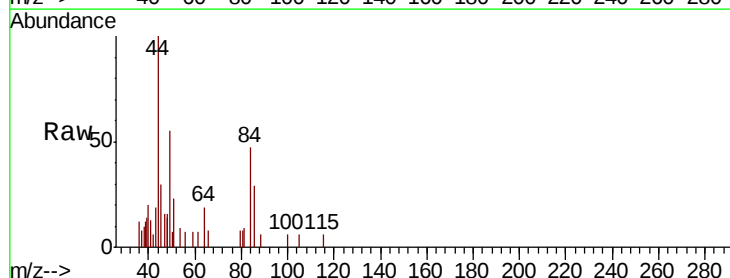
Tgt Ion: 84 Resp: 1191

Ion Ratio Lower Upper

84 100

86 61.4 45.8 85.0

49 118.2 89.6 166.4



Abundance Ion 84.05 (83.75 to 84.75): VV017276.D (-431) (-)

Ion 86.00 (85.70 to 86.70): VV017276.D (-431) (-)

Ion 49.10 (48.80 to 49.80): VV017276.D (-431) (-)

2.53

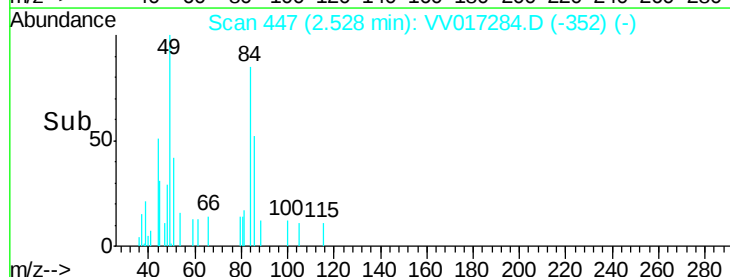
1000

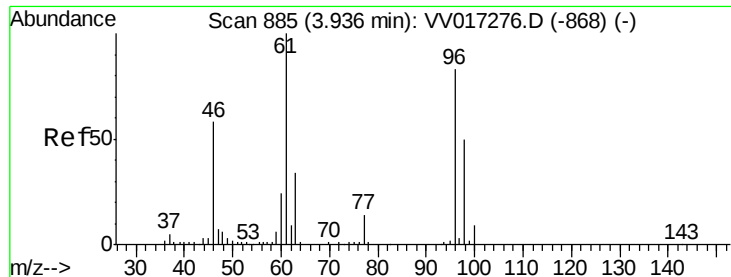
500

0

Time-->

2.50 2.52 2.54 2.56



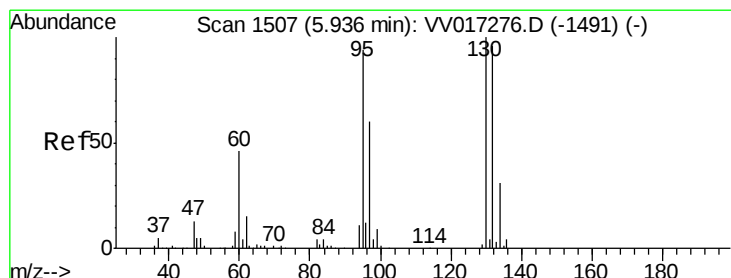
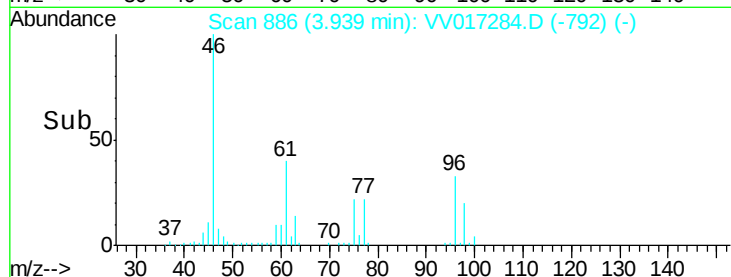
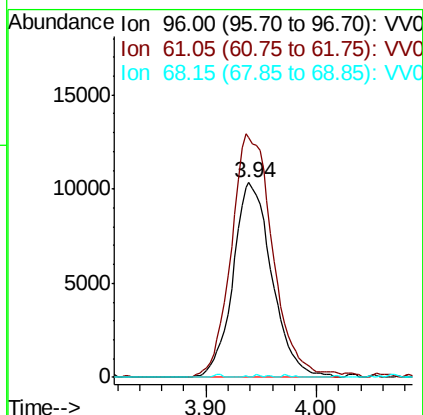
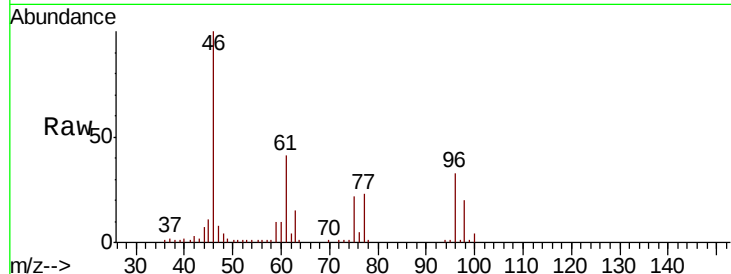


#22

cis-1,2-Dichloroethene
Concen: 2.114 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017284.D
Acq: 01 Jul 2020 12:47

Instrument :
MSVOA_V
ClientSampleId :
ETYH9

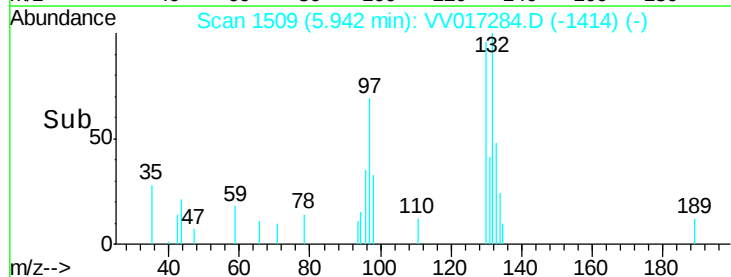
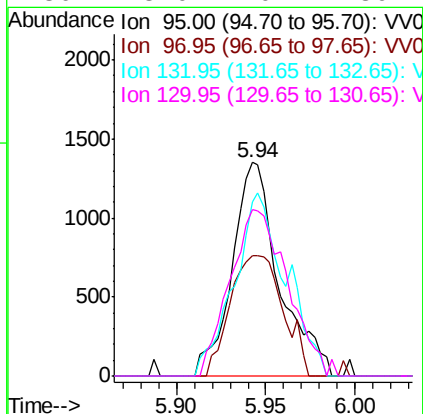
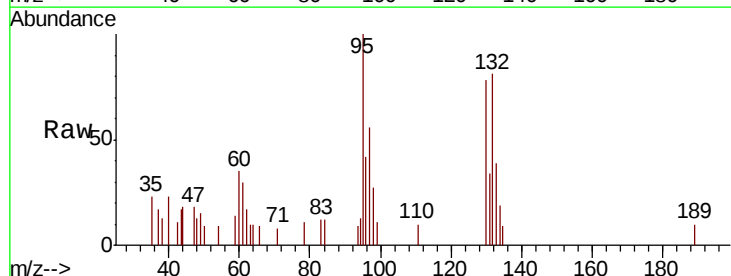
Tot Ion: 96 Resp: 25288
Ion Ratio Lower Upper
96 100
61 123.4 91.0 169.0
68 0.0 0.0 0.0

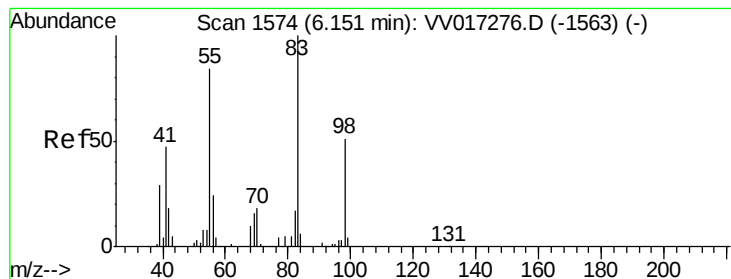


#34

Trichloroethene
Concen: 0.195 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV017284.D
Acq: 01 Jul 2020 12:47

Tgt Ion: 95 Resp: 2493
Ion Ratio Lower Upper
95 100
97 56.4 45.3 84.1
132 81.2 68.8 127.8
130 78.0 70.2 130.4





#35

Methvlcvclohexane

Concen: 0.824 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017284.D

Acq: 01 Jul 2020 12:47

Instrument :

MSVOA_V

ClientSampled :

ET9H9

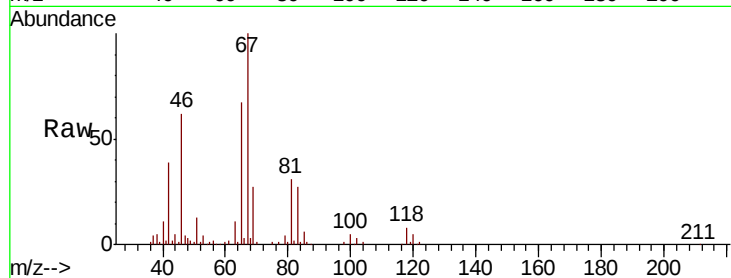
Tot Ion: 83 Resp: 16394

Ion Ratio Lower Upper

83 100

55 0.7 63.6 95.4#

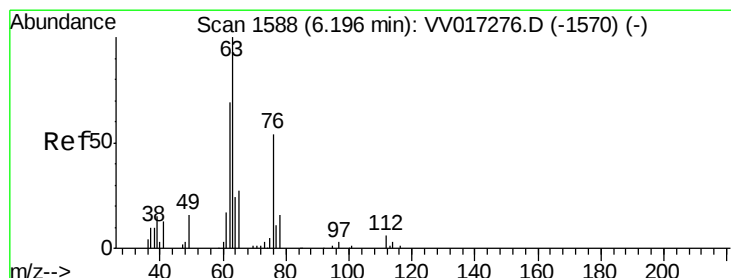
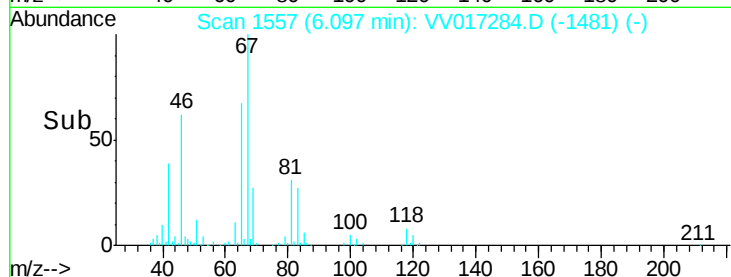
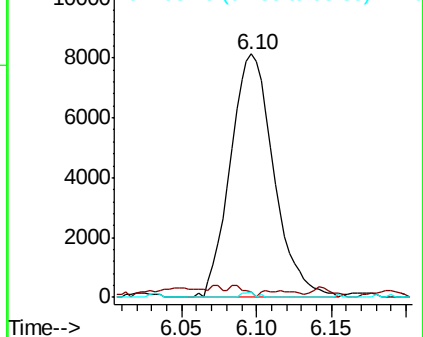
98 0.7 38.8 58.2#



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: 0.702 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017284.D

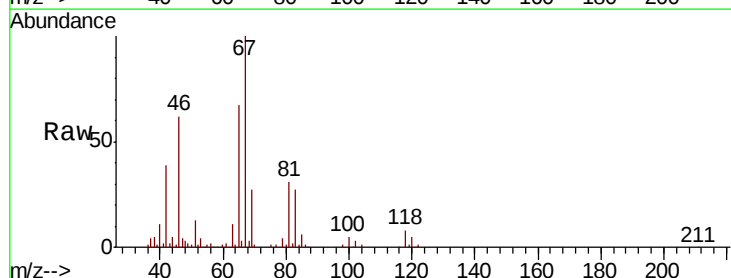
Acq: 01 Jul 2020 12:47

Tgt Ion: 63 Resp: 7596

Ion Ratio Lower Upper

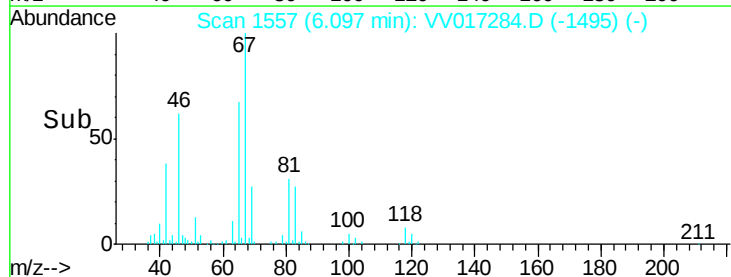
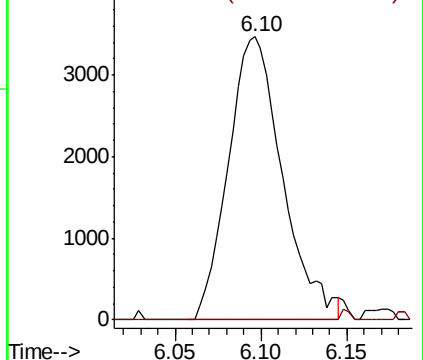
63 100

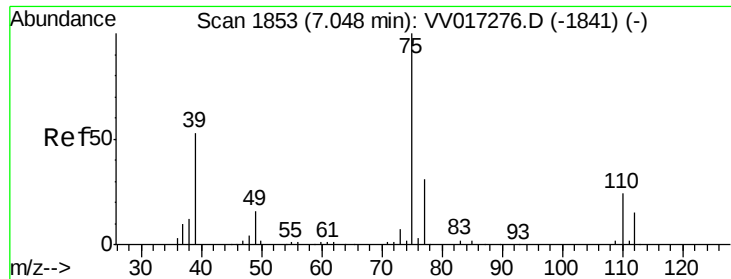
112 0.6 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

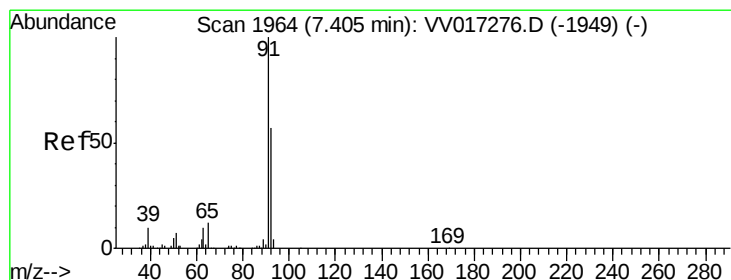
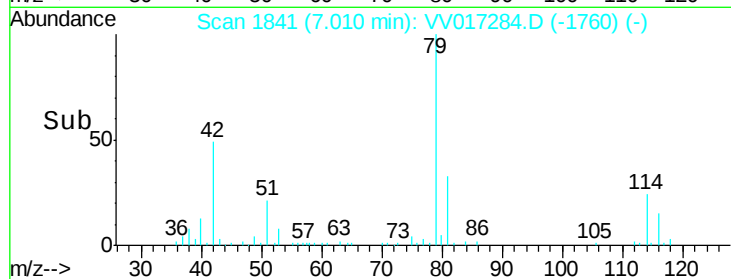
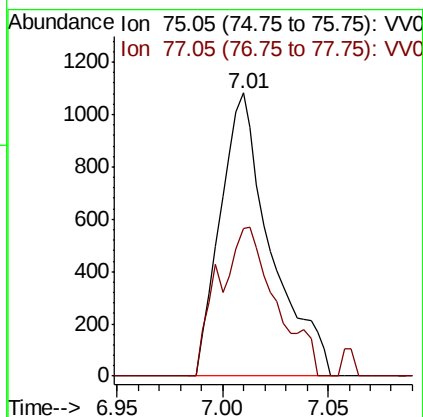
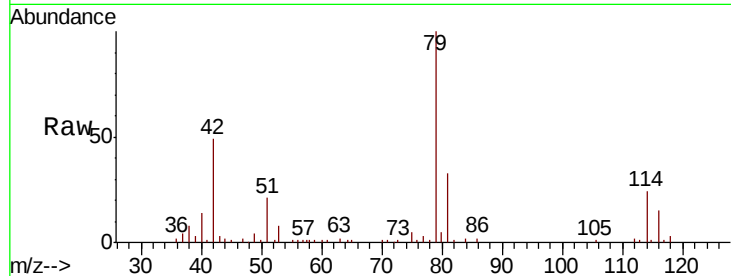




#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017284.D
 Acq: 01 Jul 2020 12:47

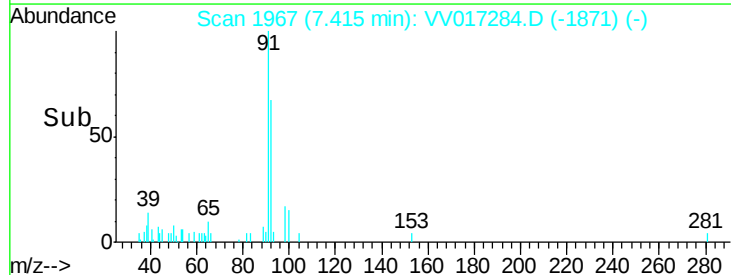
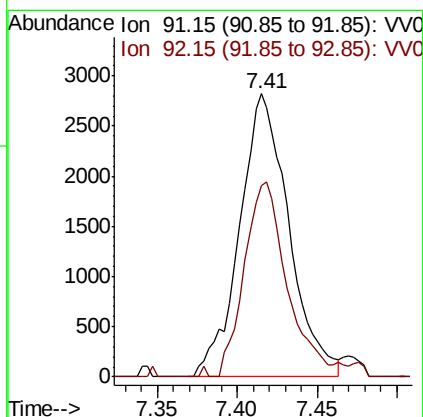
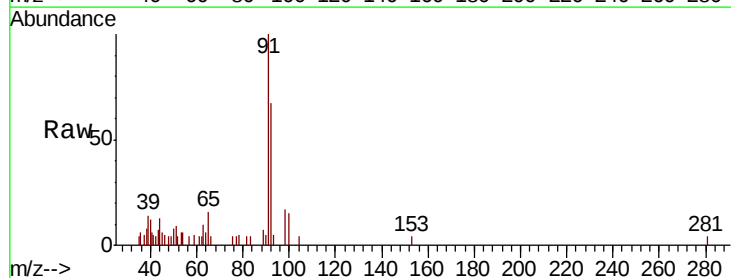
Instrument :
 MSVOA_V
 ClientSampled :
 ETYH9

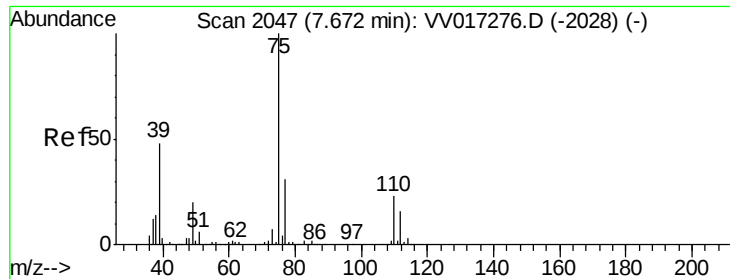
Tot Ion: 75 Resp: 1790
 Ion Ratio Lower Upper
 75 100
 77 52.3 22.3 41.5#



#42
 Toluene
 Concen: 0.117 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV017284.D
 Acq: 01 Jul 2020 12:47

Tgt Ion: 91 Resp: 5963
 Ion Ratio Lower Upper
 91 100
 92 67.4 39.9 74.1





#46

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017284.D

Acq: 01 Jul 2020 12:47

Instrument :

MSVOA_V

ClientSampled :

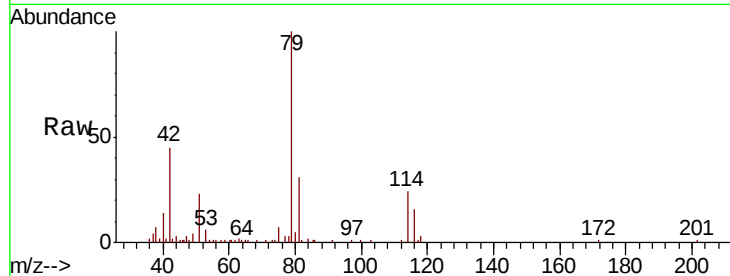
ET9H9

Tot Ion: 75 Resp: 1309

Ion Ratio Lower Upper

75 100

77 48.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV017276.D (-2028) (-)

Ion 77.05 (76.75 to 77.75): VV017276.D (-2028) (-)

7.64

7.65

7.66

7.67

7.68

7.69

7.70

7.71

7.72

7.73

7.74

7.75

7.76

7.77

7.78

7.79

7.80

7.81

7.82

7.83

7.84

7.85

7.86

7.87

7.88

7.89

7.90

7.91

7.92

7.93

7.94

7.95

7.96

7.97

7.98

7.99

8.00

8.01

8.02

8.03

8.04

8.05

8.06

8.07

8.08

8.09

8.10

8.11

8.12

8.13

8.14

8.15

8.16

8.17

8.18

8.19

8.20

8.21

8.22

8.23

8.24

8.25

8.26

8.27

8.28

8.29

8.30

8.31

8.32

8.33

8.34

8.35

8.36

8.37

8.38

8.39

8.40

8.41

8.42

8.43

8.44

8.45

8.46

8.47

8.48

8.49

8.50

8.51

8.52

8.53

8.54

8.55

8.56

8.57

8.58

8.59

8.60

8.61

8.62

8.63

8.64

8.65

8.66

8.67

8.68

8.69

8.70

8.71

8.72

8.73

8.74

8.75

8.76

8.77

8.78

8.79

8.80

8.81

8.82

8.83

8.84

8.85

8.86

8.87

8.88

8.89

8.90

8.91

8.92

8.93

8.94

8.95

8.96

8.97

8.98

8.99

9.00

9.01

9.02

9.03

9.04

9.05

9.06

9.07

9.08

9.09

9.10

9.11

9.12

9.13

9.14

9.15

9.16

9.17

9.18

9.19

9.20

9.21

9.22

9.23

9.24

9.25

9.26

9.27

9.28

9.29

9.30

9.31

9.32

9.33

9.34

9.35

9.36

9.37

9.38

9.39

9.40

9.41

9.42

9.43

9.44

9.45

9.46

9.47

9.48

9.49

9.50

9.51

9.52

9.53

9.54

9.55

9.56

9.57

9.58

9.59

9.60

9.61

9.62

9.63

9.64

9.65

9.66

9.67

9.68

9.69

9.70

9.71

9.72

9.73

9.74

9.75

9.76

9.77

9.78

9.79

9.80

9.81

9.82

9.83

9.84

9.85

9.86

9.87

9.88

9.89

9.90

9.91

9.92

9.93

9.94

9.95

9.96

9.97

9.98

9.99

10.00

10.01

10.02

10.03

10.04

10.05

10.06

10.07

10.08

10.09

10.10

10.11

10.12

10.13

10.14

10.15

10.16

10.17

10.18

10.19

10.20

10.21

10.22

10.23

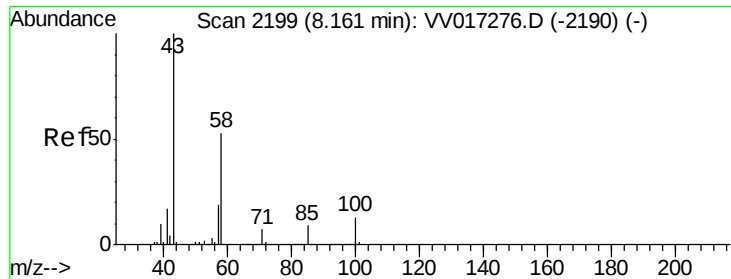
10.24

10.25

10.26

10.27

10.2



#50
 2-Hexanone
 Concen: 1.467 ug/L
 RT: 8.17 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: VV017284.D
 Acq: 01 Jul 2020 12:47

Instrument :
 MSVOA_V
 ClientSampleId :
 ETYH9

Tot Ion: 43 Resp: 6521
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.6 62.4#
 57 9.1 15.4 23.0#
 100 0.6 10.1 15.1#

