

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
 Data File : VV007574.D
 Acq On : 15 Sep 2018 19:20
 Operator : SY/MD
 Sample : J4888-02
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0KT2

Quant Time: Sep 17 01:47:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 01:45:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	118353	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	103853	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54493	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25825	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.59	69	24718	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.14	63	48487	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	3.97	46	45358	52.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.20%
24) Chloroform-d	4.41	84	61040	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.09	65	30183	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	119013	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.13	67	35089	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	118701	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.67	79	13298	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.15	63	21358	41.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.34%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22187	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	49993	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Qvalue
8) Chloroethane	1.32	64	367	0.097 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	536	0.080 ug/L #	13
12) 1,1-Dichloroethene	2.14	96	4808	0.800 ug/L #	1
13) Acetone	2.21	43	2773	4.924 ug/L	74
15) Methyl Acetate	2.42	43	493	0.319 ug/L #	43
22) cis-1,2-Dichloroethene	3.97	96	6302	0.978 ug/L	88
25) Chloroform	4.43	83	5549	0.510 ug/L	92
29) 1,1,1-Trichloroethane	4.67	97	1646	0.163 ug/L	90
34) Trichloroethene	5.96	95	2059	0.313 ug/L	89
35) Methylcyclohexane	6.13	83	9045	0.890 ug/L #	22
37) 1,2-Dichloropropane	6.13	63	4388	0.830 ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1263	0.150 ug/L #	65
44) trans-1,3-Dichloropropene	7.67	75	610	0.088 ug/L #	66
48) 2-Hexanone	8.20	43	14022	6.330 ug/L #	67
69) Naphthalene	13.57	128	3132	0.334 ug/L #	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 01:45:59 2018
Response via : Initial Calibration

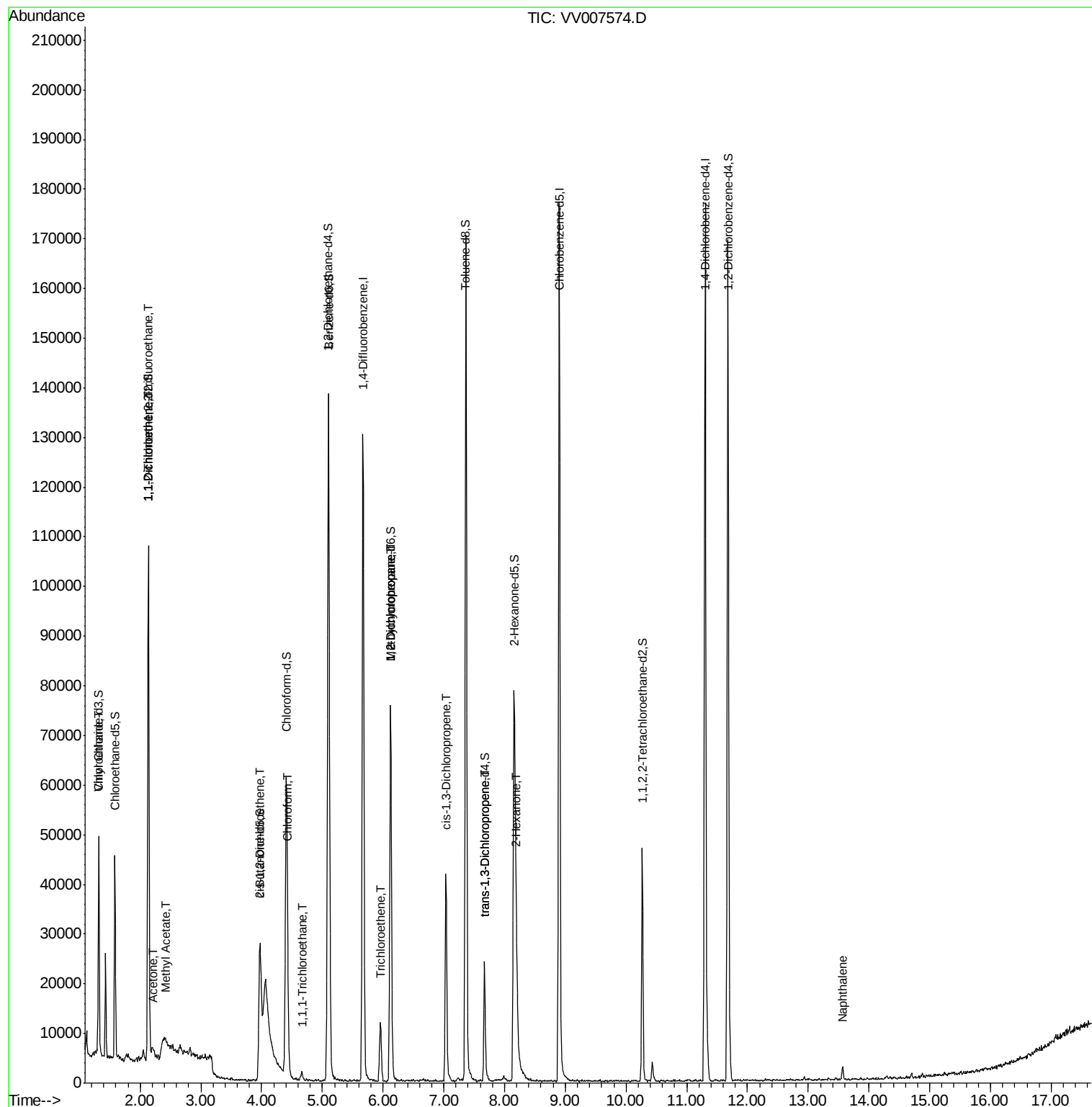
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

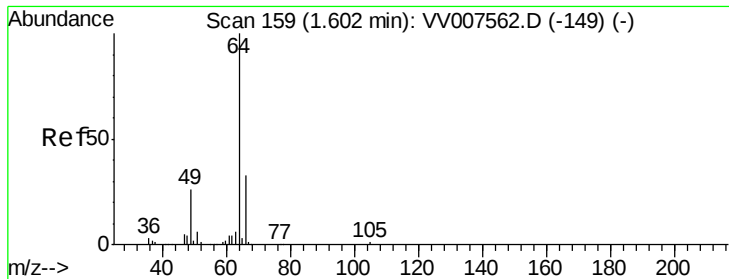
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.097 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

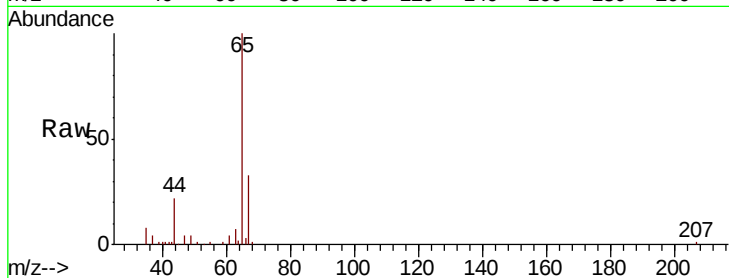
C0KT2

Tgt Ion: 64 Resp: 367

Ion Ratio Lower Upper

64 100

66 165.7 24.3 45.1#



Abundance Ion 64.10 (63.80 to 64.80): VV007562.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV007562.D (-149) (-)

600

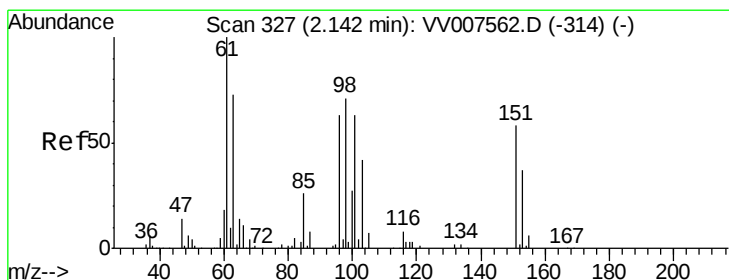
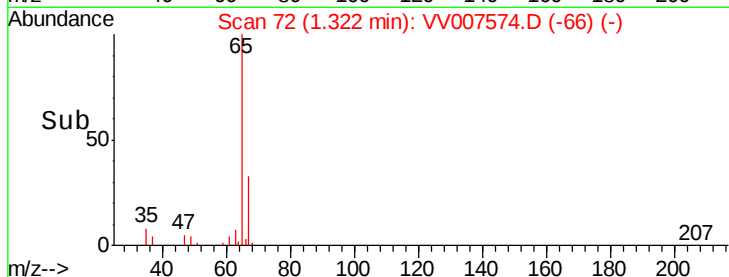
400

200

0

1.30 1.32 1.34

Time-->



#10

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

Concen: 0.080 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

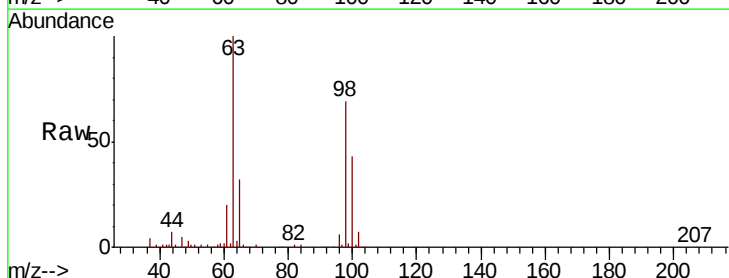
Tgt Ion: 101 Resp: 536

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 72.6 109.0#



Abundance Ion 101.00 (100.70 to 101.70): VV007562.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV007562.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV007562.D (-314) (-)

500

400

300

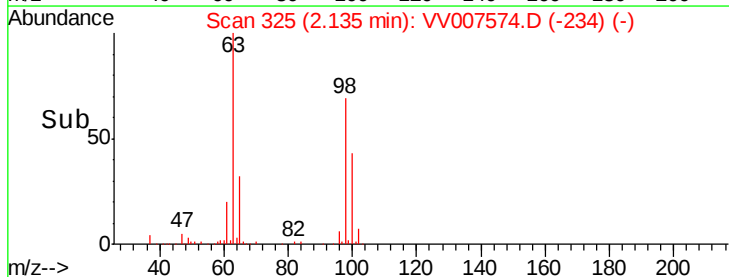
200

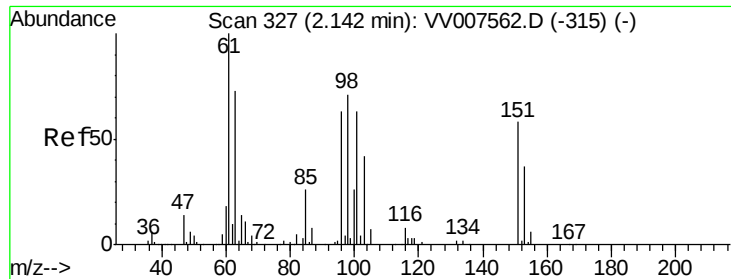
100

0

2.10 2.12 2.14 2.16

Time-->





#12

1,1-Dichloroethene

Concen: 0.800 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

C0KT2

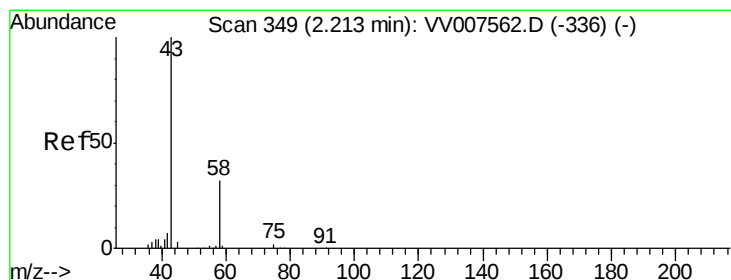
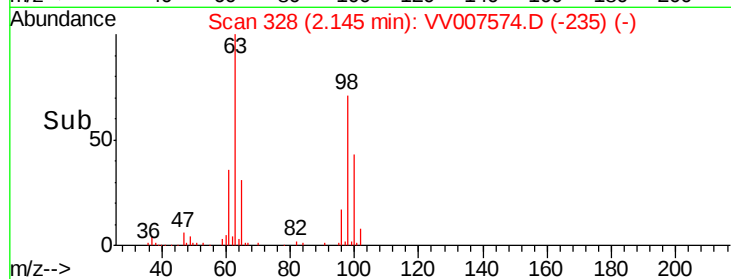
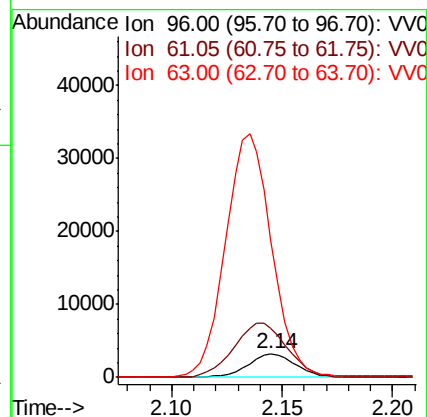
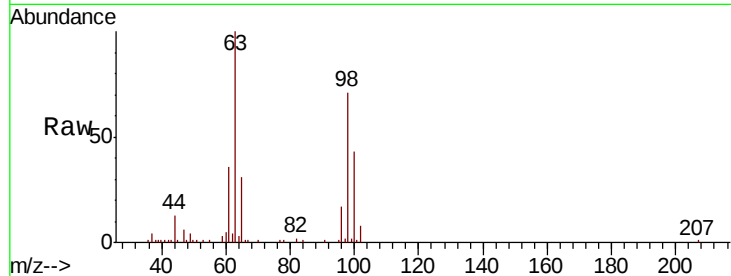
Tgt Ion: 96 Resp: 4808

Ion Ratio Lower Upper

96 100

61 208.0 114.8 213.2

63 584.3 81.8 151.8#



#13

Acetone

Concen: 4.924 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007574.D

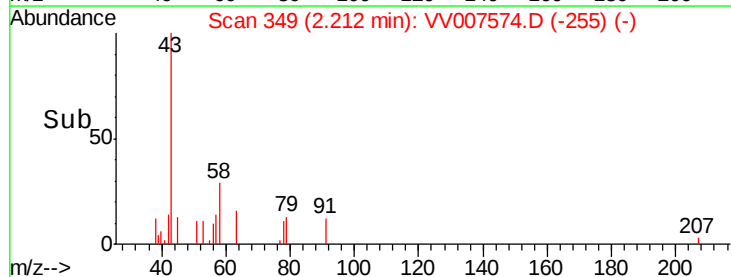
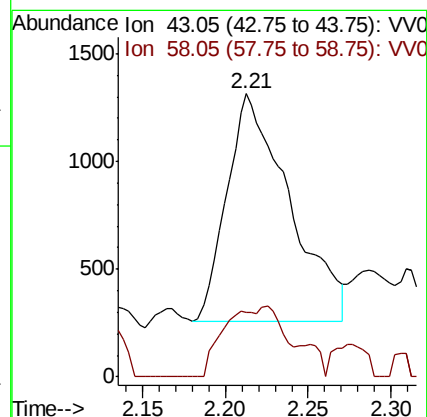
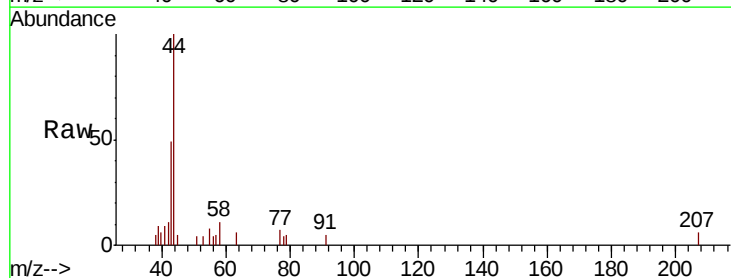
Acq: 15 Sep 2018 19:20

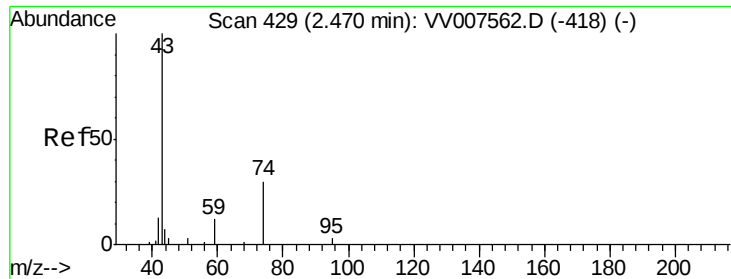
Tgt Ion: 43 Resp: 2773

Ion Ratio Lower Upper

43 100

58 17.1 0.0 63.4

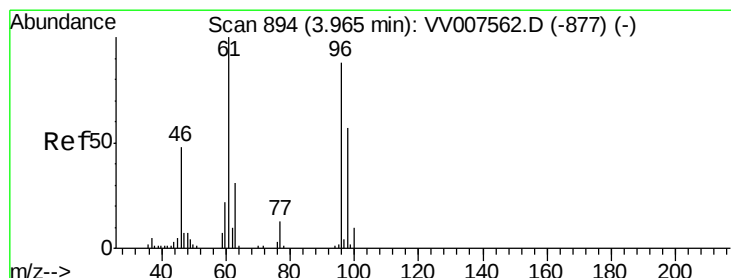
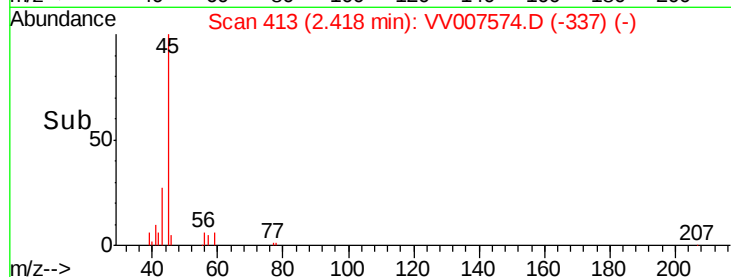
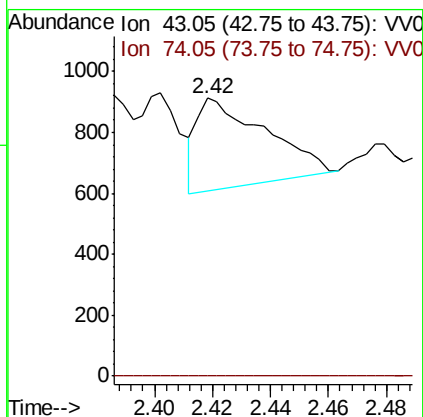
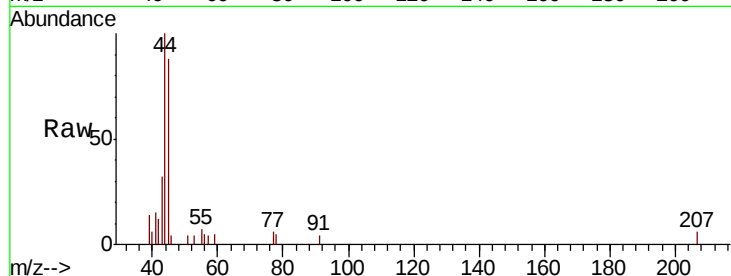




#15
Methyl Acetate
Concen: 0.319 ug/L
RT: 2.42 min Scan# 413
Delta R.T. -0.05 min
Lab File: VV007574.D
Acq: 15 Sep 2018 19:20

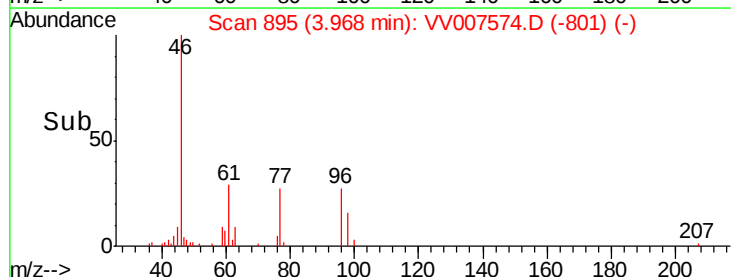
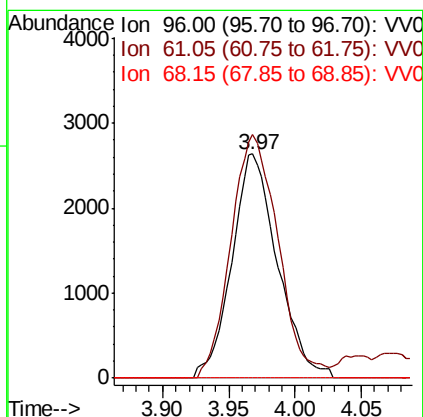
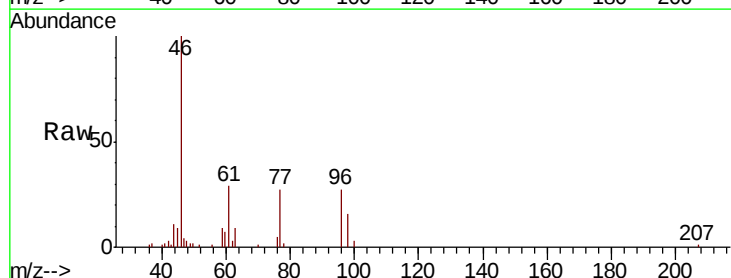
Instrument :
MSVOA_W
ClientSampled :
C0KT2

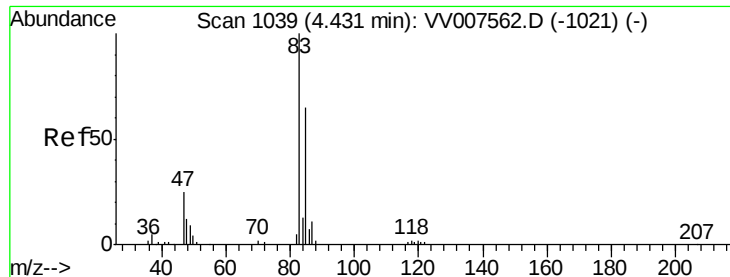
Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



#22
cis-1,2-Dichloroethene
Concen: 0.978 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV007574.D
Acq: 15 Sep 2018 19:20

Tgt Ion: 96 Resp: 6302
Ion Ratio Lower Upper
96 100
61 108.6 85.3 158.5
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.510 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

Instrument :

MSVOA_W

ClientSampled :

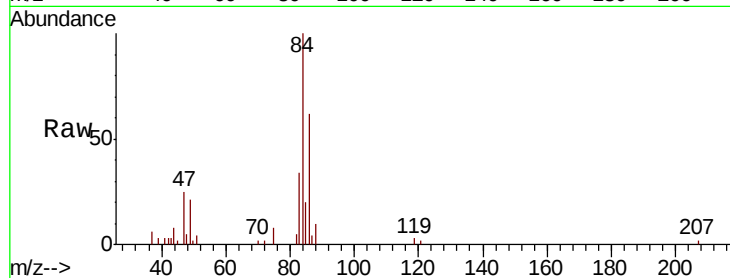
C0KT2

Tgt Ion: 83 Resp: 5549

Ion Ratio Lower Upper

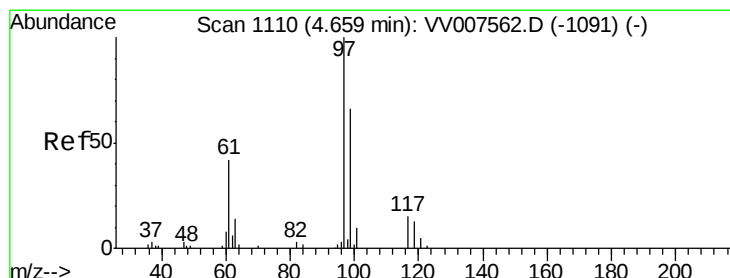
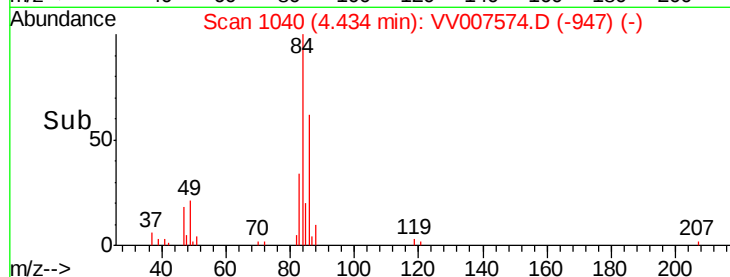
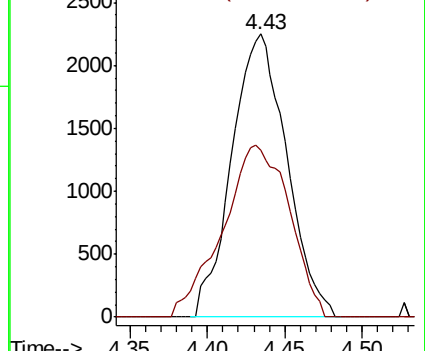
83 100

85 59.0 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV007562.D (-1021) (-)

Ion 85.00 (84.70 to 85.70): VV007562.D (-1021) (-)



#29

1,1,1-Trichloroethane

Concen: 0.163 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

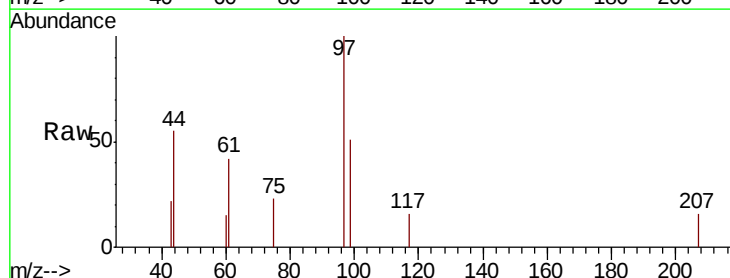
Tgt Ion: 97 Resp: 1646

Ion Ratio Lower Upper

97 100

99 55.9 50.7 76.1

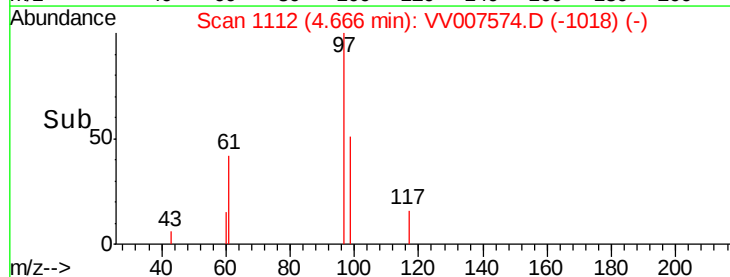
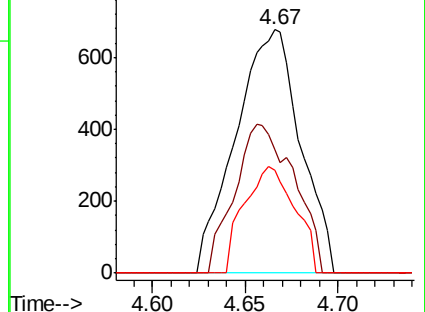
61 34.1 32.5 48.7

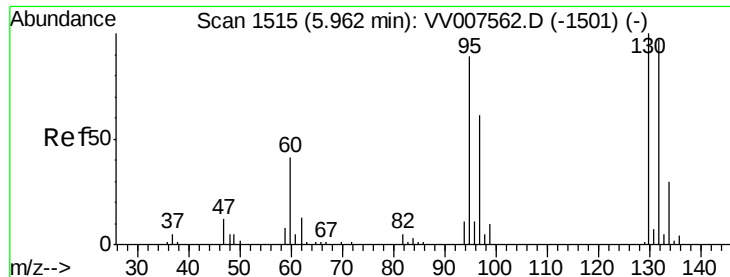


Abundance Ion 96.95 (96.65 to 97.65): VV007562.D (-1091) (-)

Ion 99.05 (98.75 to 99.75): VV007562.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV007562.D (-1091) (-)





#34

Trichloroethene

Concen: 0.313 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

C0KT2

Tgt Ion: 95 Resp: 2059

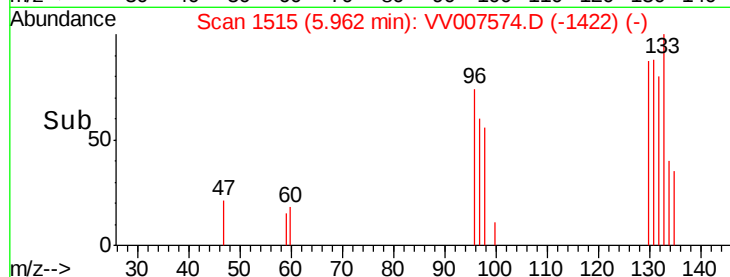
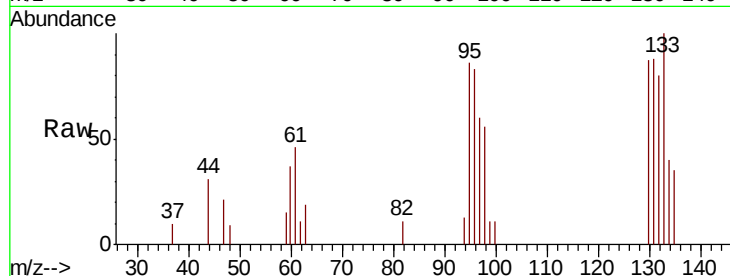
Ion Ratio Lower Upper

95 100

97 69.6 45.5 84.5

132 93.2 74.9 139.1

130 101.4 80.0 148.6

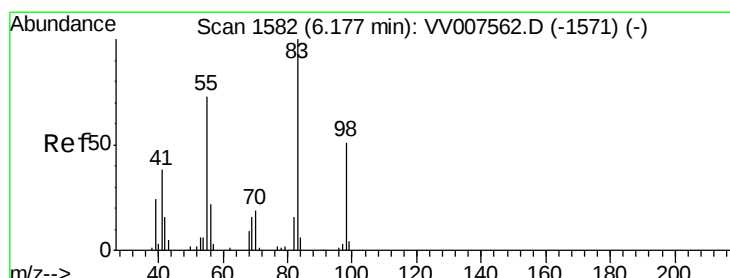
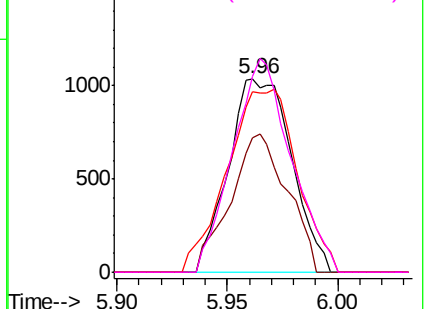


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.890 ug/L

RT: 6.13 min Scan# 1567

Delta R.T. -0.05 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

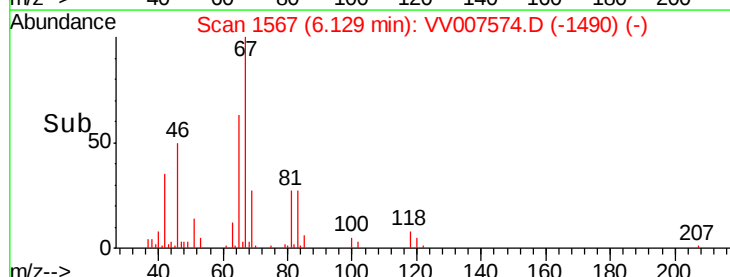
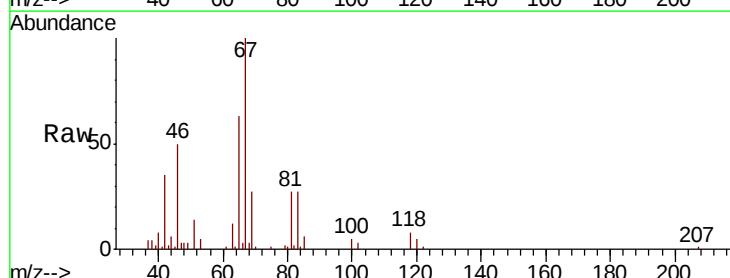
Tgt Ion: 83 Resp: 9045

Ion Ratio Lower Upper

83 100

55 0.0 55.0 82.4#

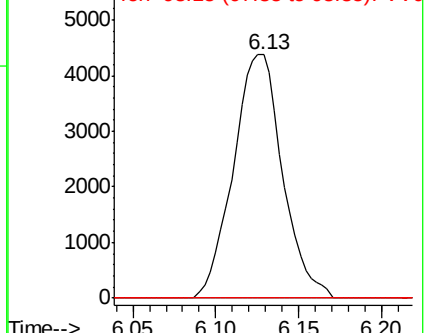
98 1.4 37.6 56.4#

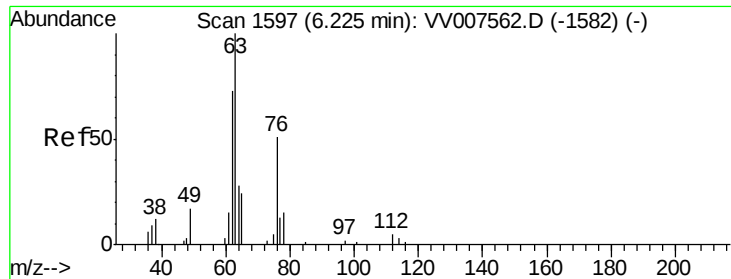


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.830 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

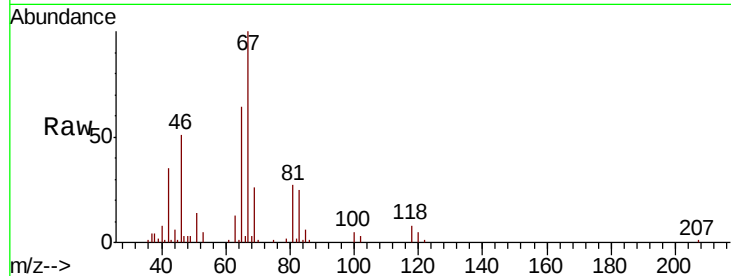
C0KT2

Tgt Ion: 63 Resp: 4388

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

2500

2000

1500

1000

500

0

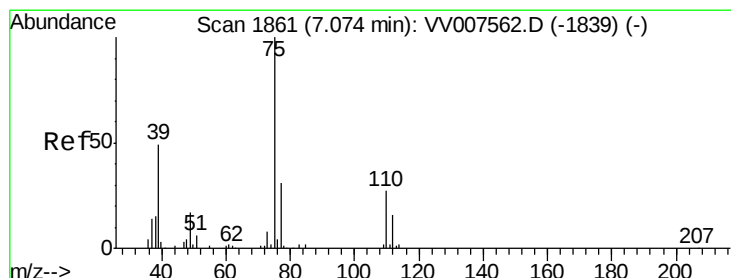
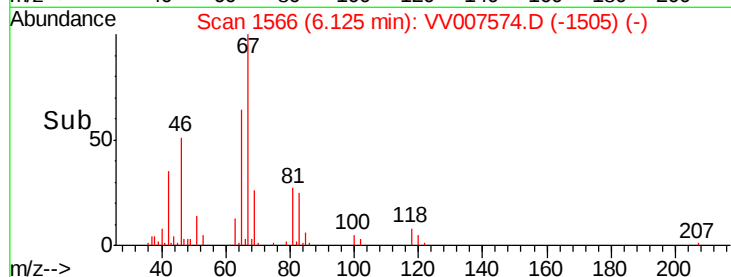
6.05

6.10

6.15

6.20

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.150 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007574.D

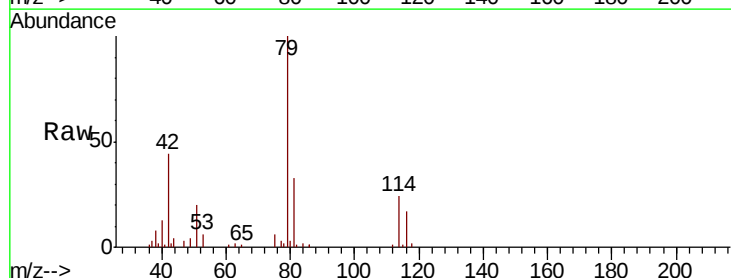
Acq: 15 Sep 2018 19:20

Tgt Ion: 75 Resp: 1263

Ion Ratio Lower Upper

75 100

77 50.8 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

800

600

400

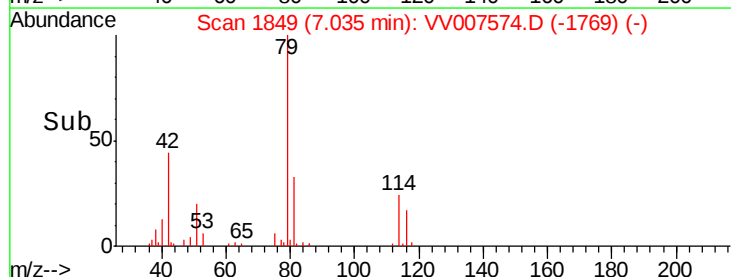
200

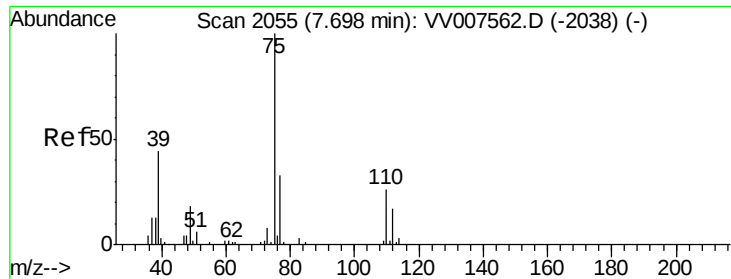
0

7.00

7.05

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

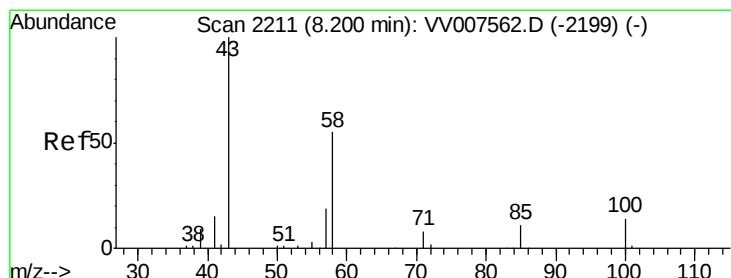
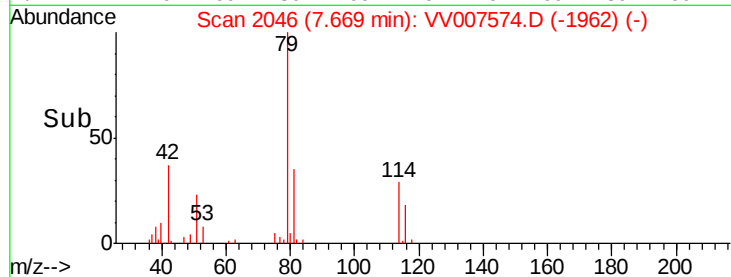
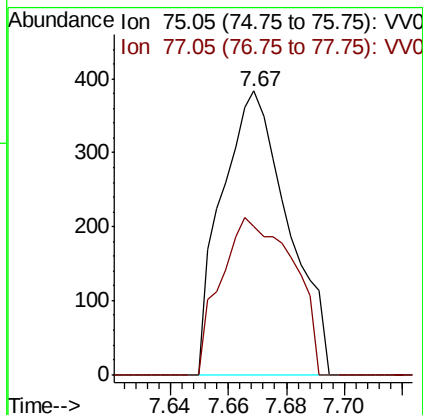
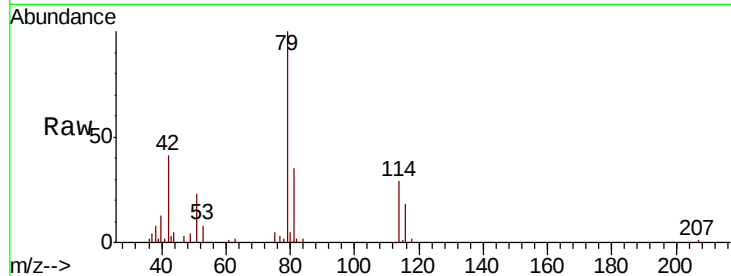
C0KT2

Tgt Ion: 75 Resp: 610

Ion Ratio Lower Upper

75 100

77 52.5 23.4 43.4#



#48

2-Hexanone

Concen: 6.330 ug/L

RT: 8.20 min Scan# 2211

Delta R.T. 0.00 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

Tgt Ion: 43 Resp: 14022

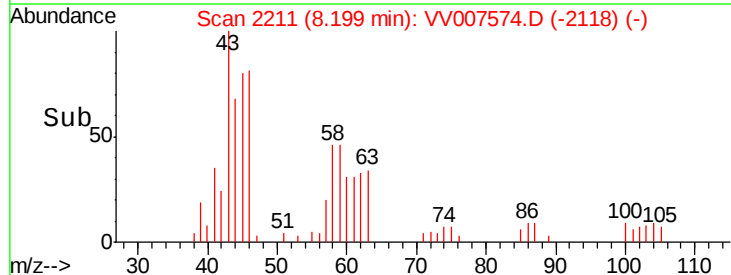
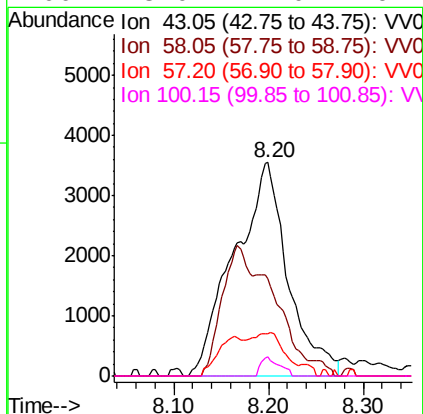
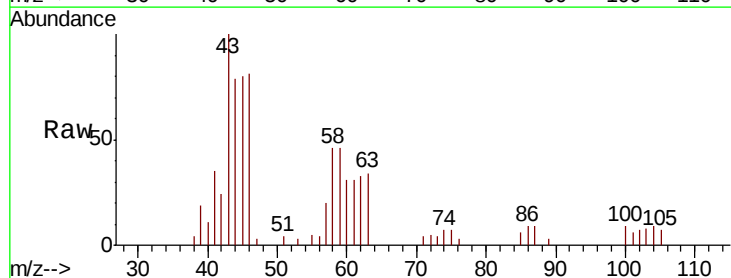
Ion Ratio Lower Upper

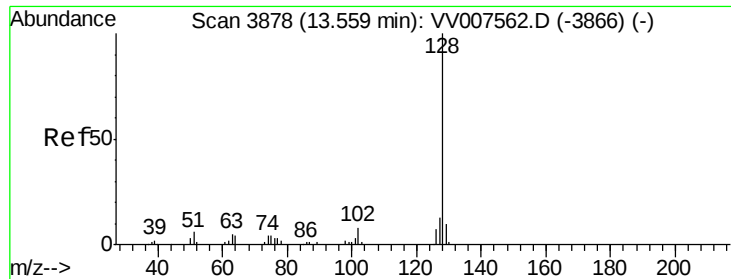
43 100

58 34.1 49.8 74.6#

57 8.6 18.2 27.4#

100 3.0 11.0 16.4#





#69

Naphthalene

Concen: 0.334 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007574.D

Acq: 15 Sep 2018 19:20

Instrument :

MSVOA_W

ClientSampleId :

C0KT2

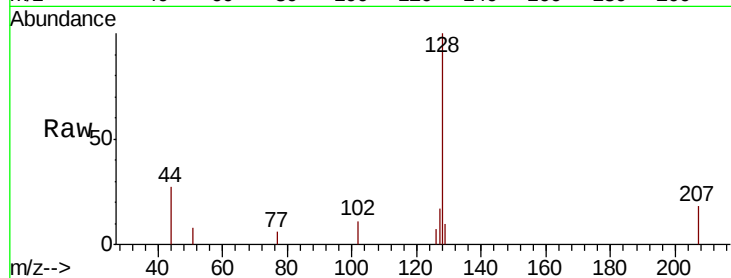
Tgt Ion:128 Resp: 3132

Ion Ratio Lower Upper

128 100

129 5.3 8.5 12.7#

127 11.4 10.5 15.7



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

