

Data File : VV007592.D
Acq On : 17 Sep 2018 17:32
Operator : SY/MD
Sample : J4864-05DL 4X
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0D11DL

Quant Time: Sep 18 03:42:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 18 03:38:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	121518	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109793	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59323	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22540	3.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.00%
7) Chloroethane-d5	1.59	69	22683	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.14	63	42867	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	3.98	46	50008	56.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.96%
24) Chloroform-d	4.41	84	56019	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.09	65	30345	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.10	84	112564	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.13	67	33022	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.36	98	114486	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	7.67	79	13900	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.15	63	20982	38.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.52%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21987	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	49139	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

						Qvalue
5) Vinyl chloride	1.32	62	1027	0.161	ug/L #	61
12) 1,1-Dichloroethene	2.14	96	1688	0.274	ug/L #	1
13) Acetone	2.21	43	2126	3.677	ug/L	92
14) Carbon disulfide	2.32	76	2734	0.152	ug/L #	89
15) Methyl Acetate	2.45	43	205	0.129	ug/L #	43
16) Methylene chloride	2.54	84	3181	0.477	ug/L	93
21) 2-Butanone	4.06	43	5814	5.994	ug/L #	59
22) cis-1,2-Dichloroethene	3.97	96	4742	0.717	ug/L	93
25) Chloroform	4.44	83	1349	0.121	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	6991	0.655	ug/L	98
31) Carbon tetrachloride	4.67	117	958	0.096	ug/L	91
34) Trichloroethene	5.96	95	59976	8.625	ug/L	98
37) 1,2-Dichloropropane	6.12	63	3938	0.705	ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1196	0.135	ug/L	91
44) trans-1,3-Dichloropropene	7.68	75	649	0.089	ug/L #	47
45) 1,1,2-Trichloroethane	7.84	97	348	0.083	ug/L #	16
48) 2-Hexanone	8.20	43	8328	3.556	ug/L #	43

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091718\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 18 03:38:22 2018
Response via : Initial Calibration

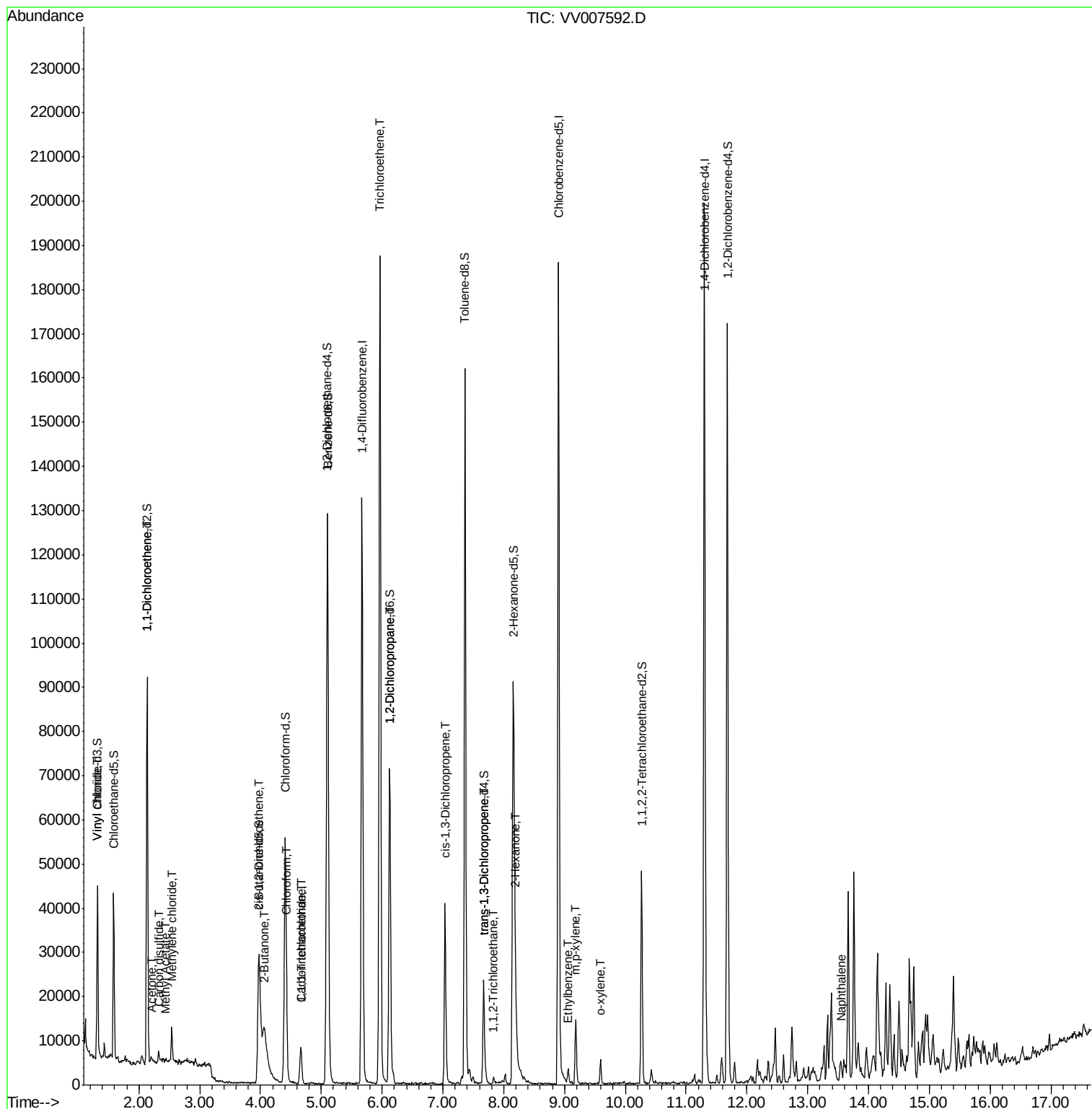
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.06	91	2878	0.098	ug/L	100
53) m,p-xylene	9.18	106	4402	0.385	ug/L	97
54) o-xylene	9.59	106	1596	0.143	ug/L	85
69) Naphthalene	13.56	128	924	0.091	ug/L #	80

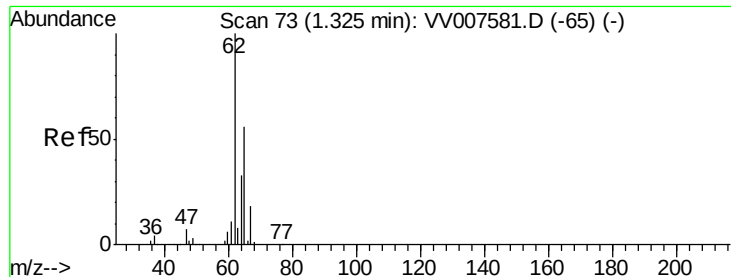
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.161 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

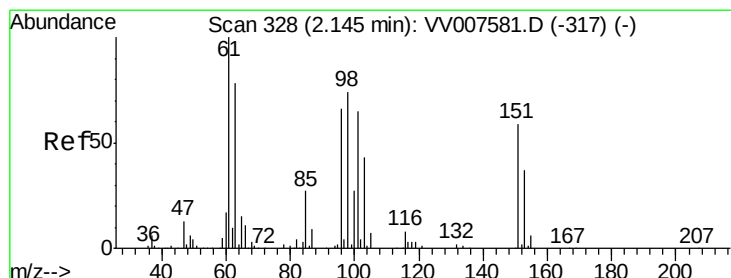
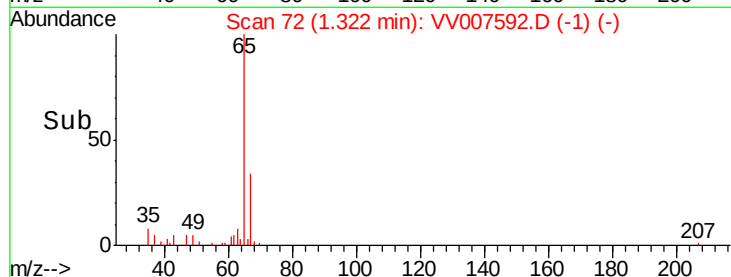
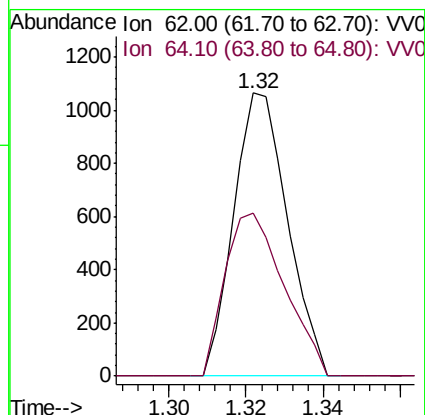
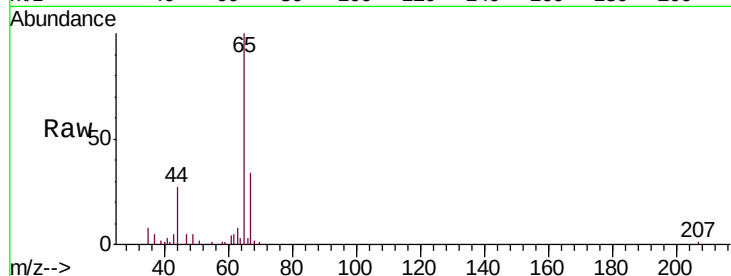
C0D11DL

Tgt Ion: 62 Resp: 1027

Ion Ratio Lower Upper

62 100

64 57.5 24.4 45.2#



#12

1,1-Dichloroethene

Concen: 0.274 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

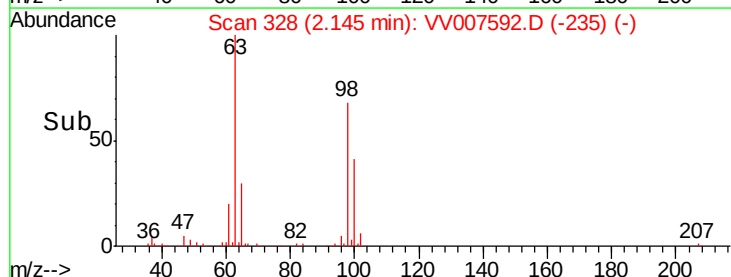
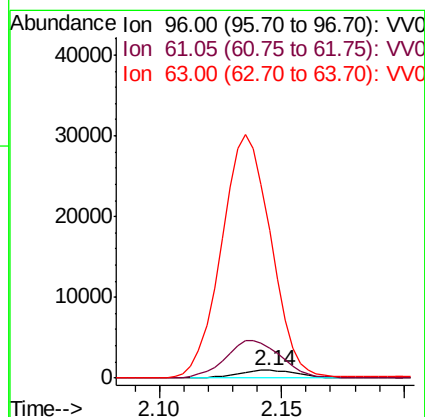
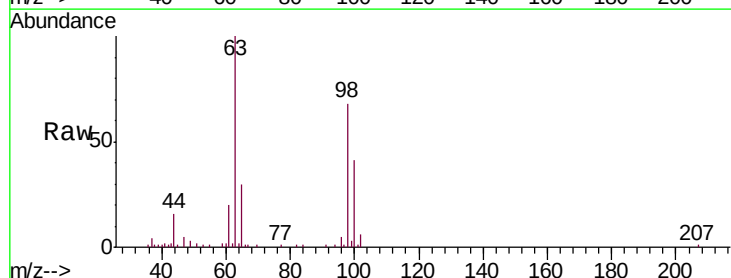
Tgt Ion: 96 Resp: 1688

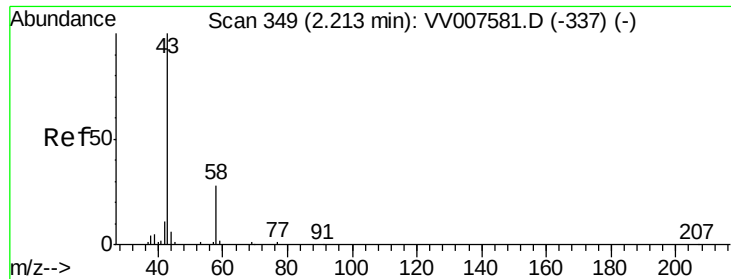
Ion Ratio Lower Upper

96 100

61 374.0 114.8 213.2#

63 1839.5 81.8 151.8#

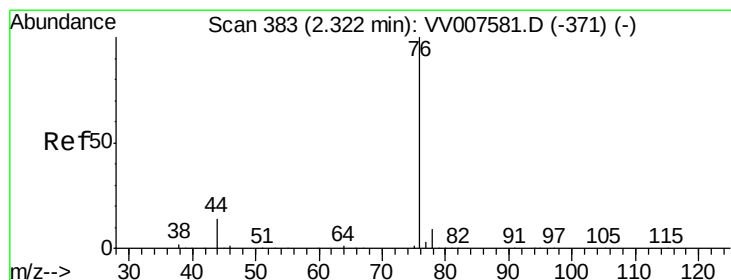
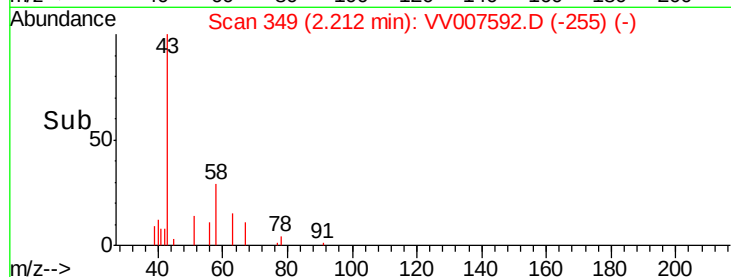
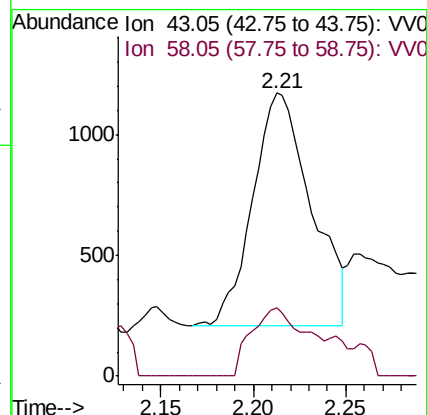
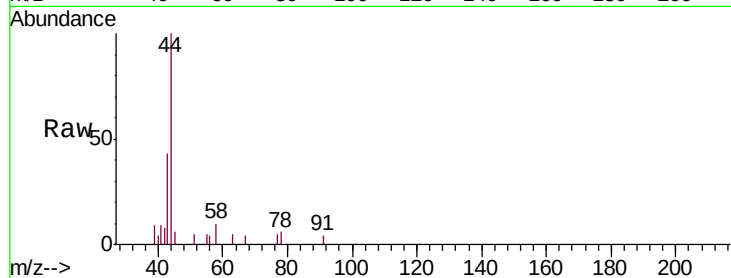




#13
Acetone
Concen: 3.677 ug/L
RT: 2.21 min Scan# 349
Delta R.T. 0.00 min
Lab File: VV007592.D
Acq: 17 Sep 2018 17:32

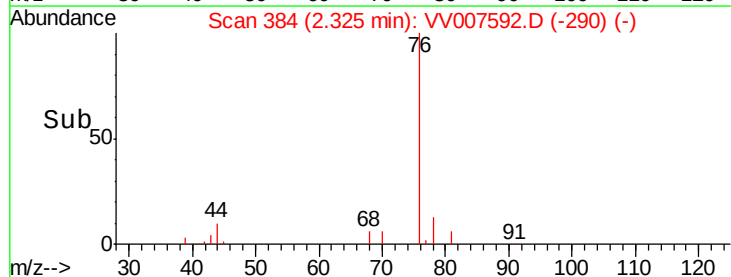
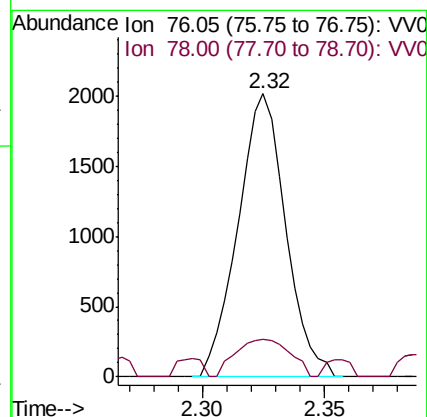
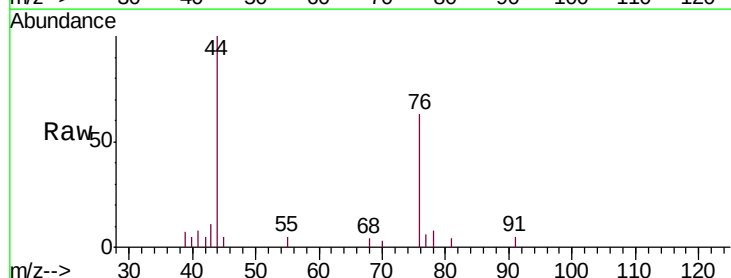
Instrument :
MSVOA_V
ClientSampleId :
C0D11DL

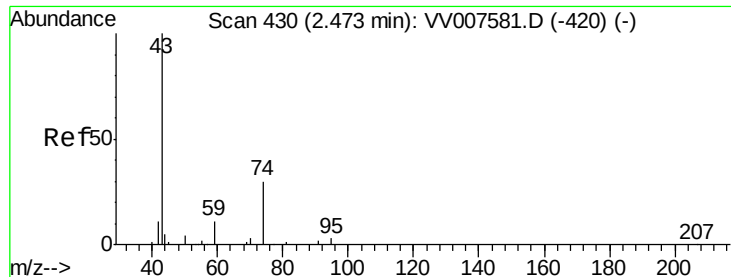
Tgt Ion: 43 Resp: 2126
Ion Ratio Lower Upper
43 100
58 27.5 0.0 63.4



#14
Carbon disulfide
Concen: 0.152 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VV007592.D
Acq: 17 Sep 2018 17:32

Tgt Ion: 76 Resp: 2734
Ion Ratio Lower Upper
76 100
78 13.3 7.4 11.0#

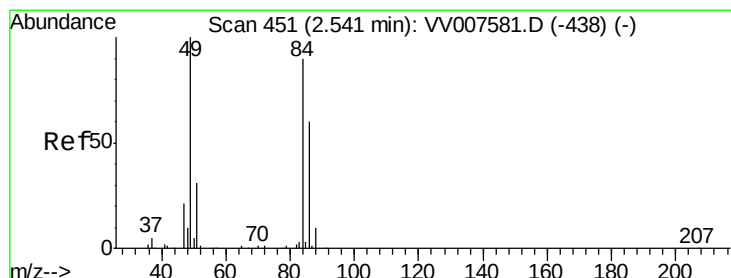
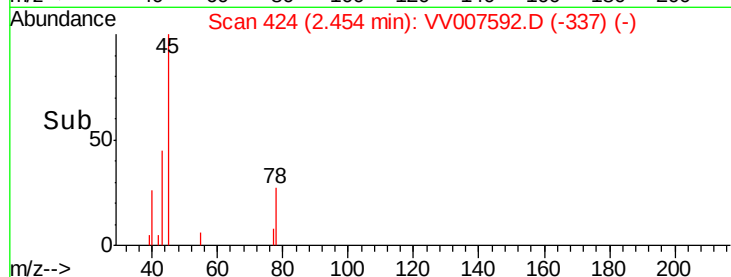
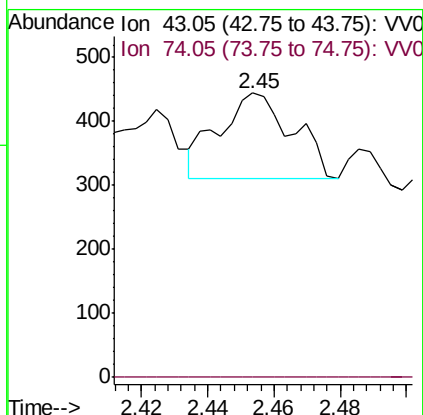
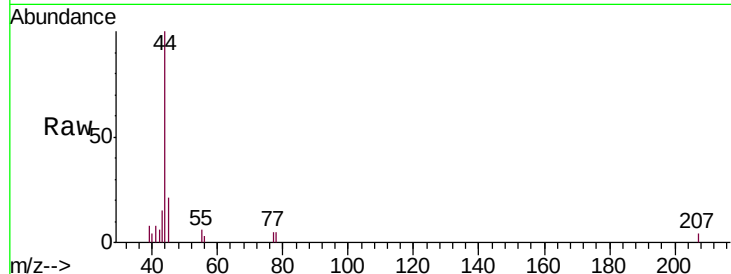




#15
Methyl Acetate
Concen: 0.129 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.02 min
Lab File: VV007592.D
Acq: 17 Sep 2018 17:32

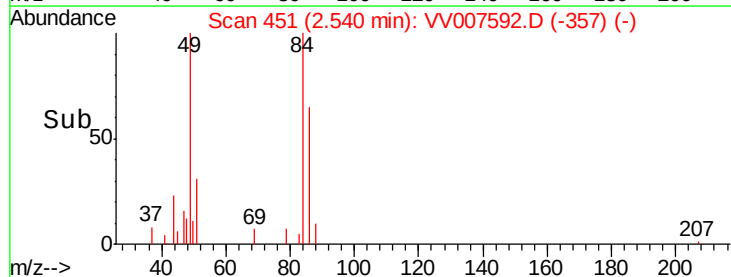
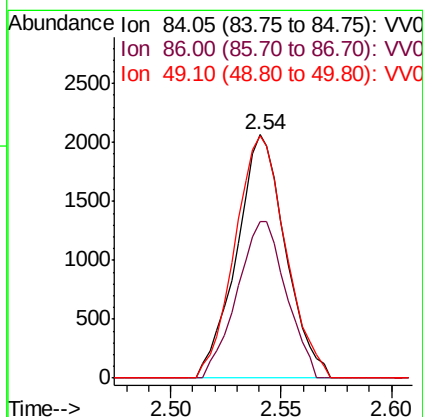
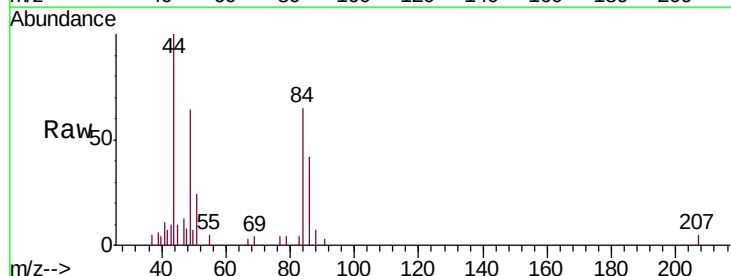
Instrument :
MSVOA_V
ClientSampleId :
C0D11DL

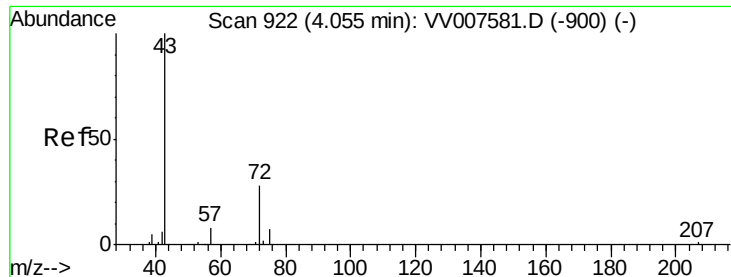
Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.2#



#16
Methylene chloride
Concen: 0.477 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007592.D
Acq: 17 Sep 2018 17:32

Tgt Ion: 84 Resp: 3181
Ion Ratio Lower Upper
84 100
86 64.5 43.7 81.1
49 99.5 76.8 142.6





#21

2-Butanone

Concen: 5.994 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.00 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

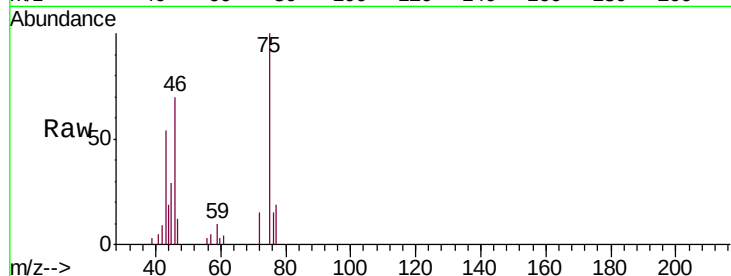
C0D11DL

Tgt Ion: 43 Resp: 5814

Ion Ratio Lower Upper

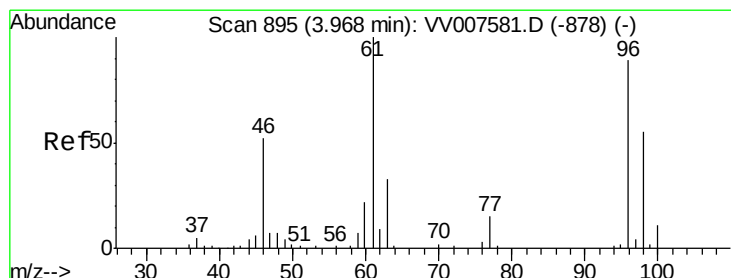
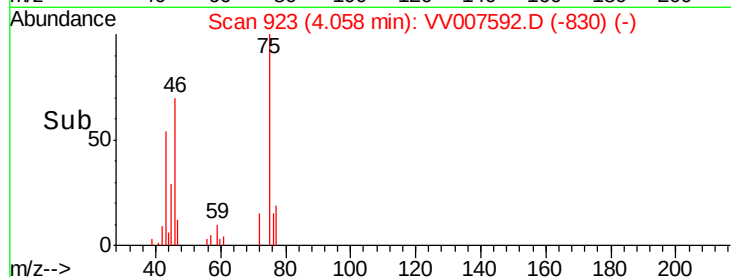
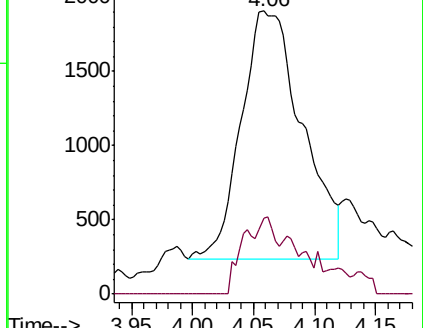
43 100

72 6.9 14.2 42.6#



Abundance Ion 43.05 (42.75 to 43.75): VV007581.D (-900) (-)

Ion 72.10 (71.80 to 72.80): VV007581.D (-900) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.717 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.01 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

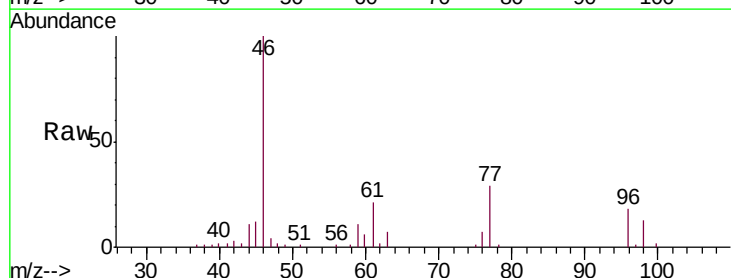
Tgt Ion: 96 Resp: 4742

Ion Ratio Lower Upper

96 100

61 114.2 85.3 158.5

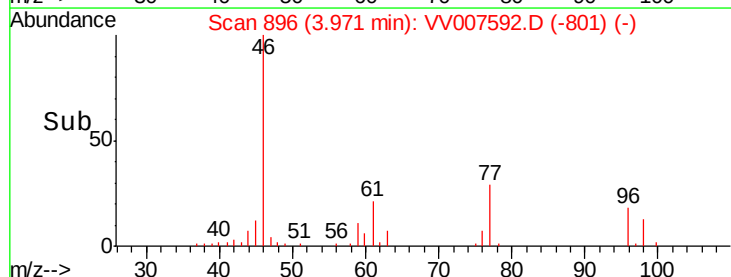
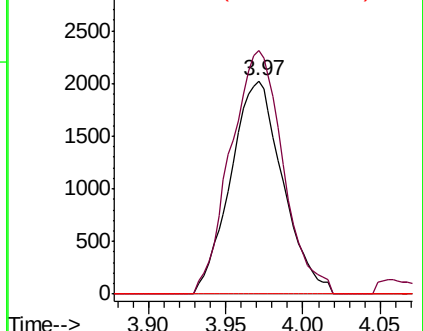
68 0.0 0.0 0.0

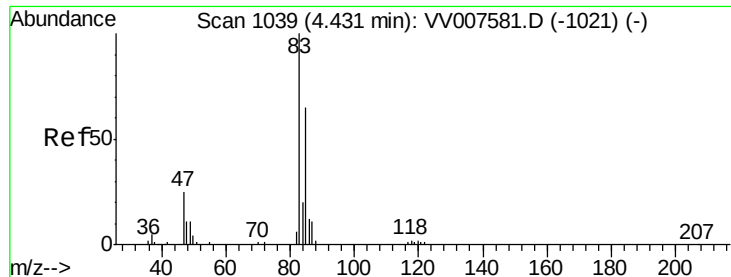


Abundance Ion 96.00 (95.70 to 96.70): VV007581.D (-878) (-)

Ion 61.05 (60.75 to 61.75): VV007581.D (-878) (-)

Ion 68.15 (67.85 to 68.85): VV007581.D (-878) (-)

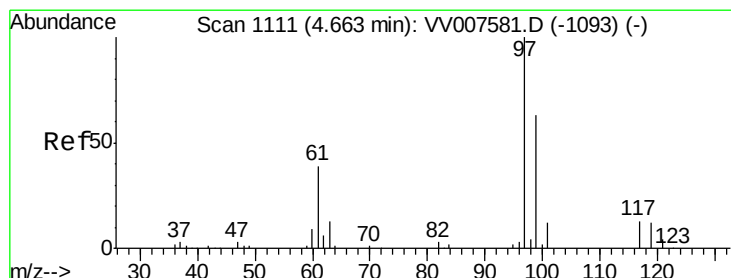
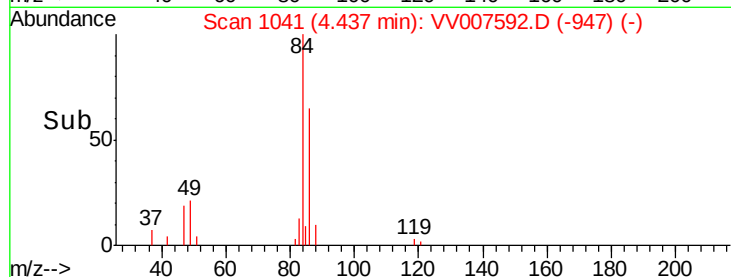
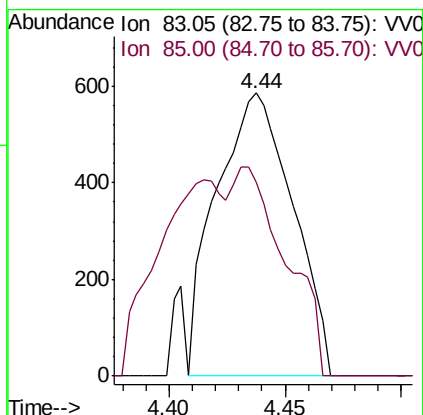
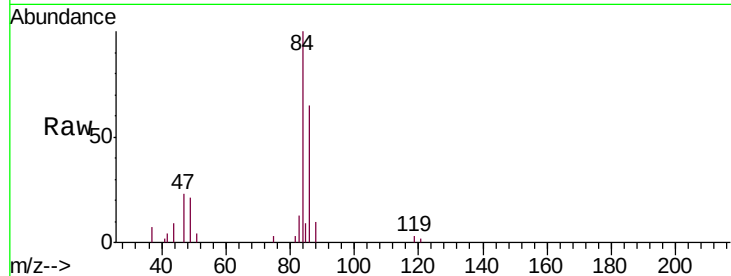




#25
Chloroform
Concen: 0.121 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007592.D
Acq: 17 Sep 2018 17:32

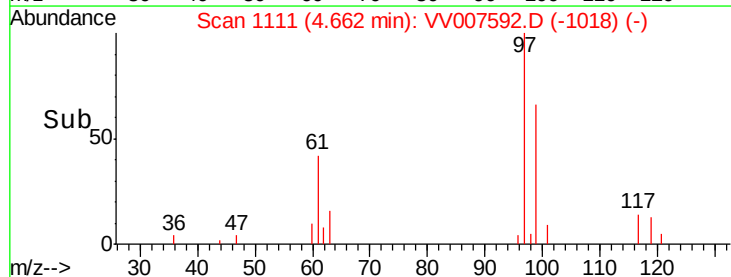
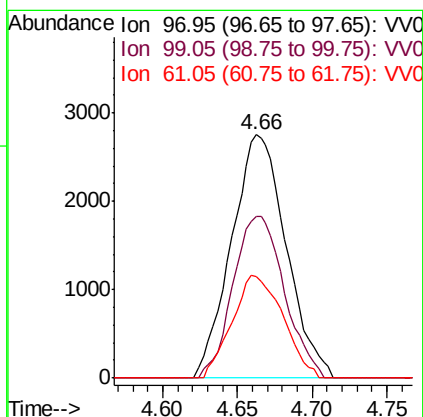
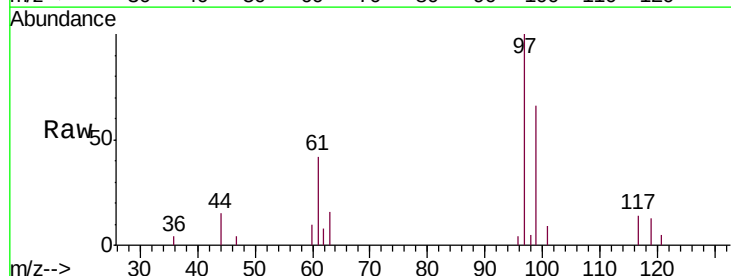
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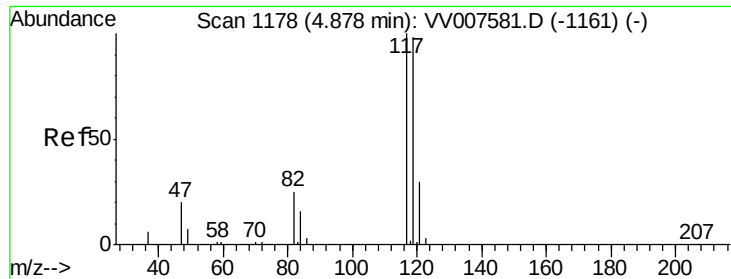
Tgt Ion: 83 Resp: 1349
Ion Ratio Lower Upper
83 100
85 68.6 45.5 84.5



#29
1,1,1-Trichloroethane
Concen: 0.655 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV007592.D
Acq: 17 Sep 2018 17:32

Tgt Ion: 97 Resp: 6991
Ion Ratio Lower Upper
97 100
99 62.3 50.7 76.1
61 39.3 32.5 48.7





#31

Carbon tetrachloride

Concen: 0.096 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.21 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

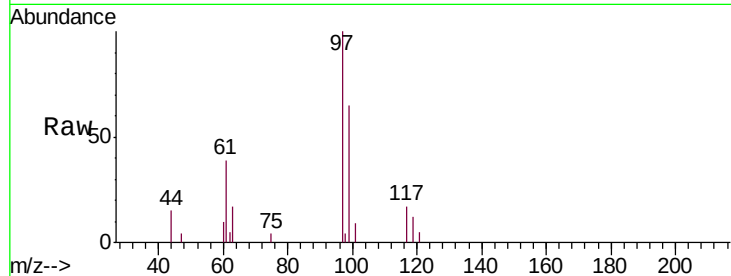
C0D11DL

Tgt Ion:117 Resp: 958

Ion Ratio Lower Upper

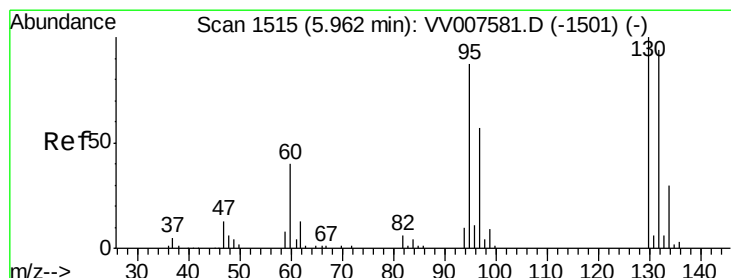
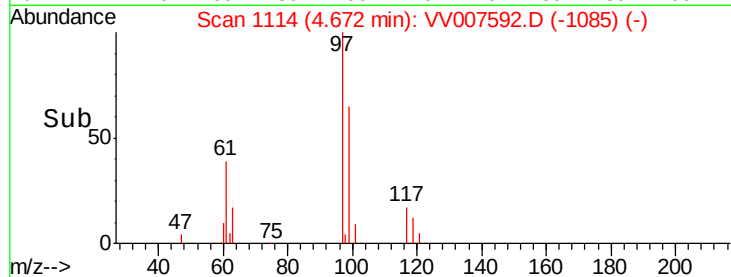
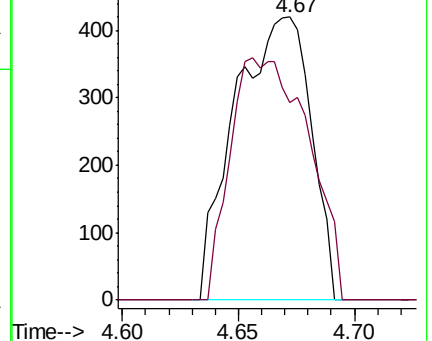
117 100

119 87.8 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 8.625 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

Tgt Ion: 95 Resp: 59976

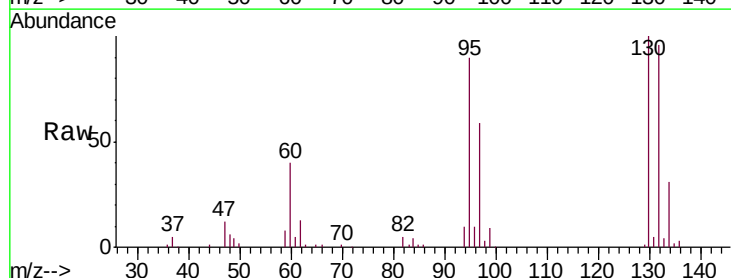
Ion Ratio Lower Upper

95 100

97 65.3 45.5 84.5

132 106.3 74.9 139.1

130 111.0 80.0 148.6

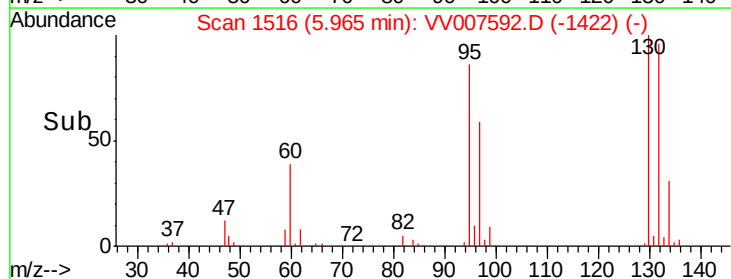
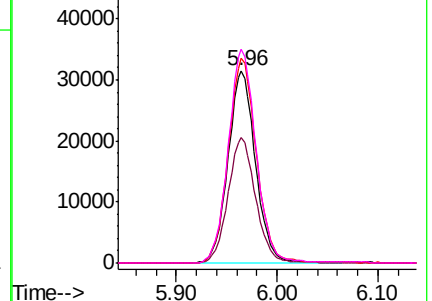


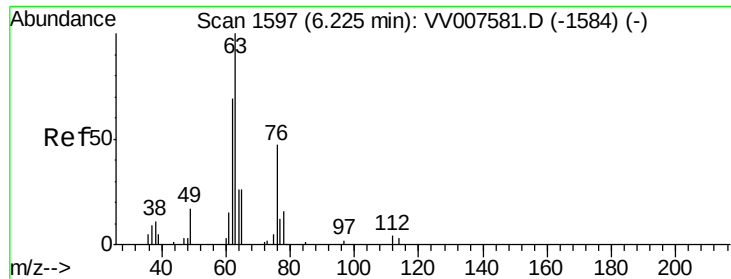
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

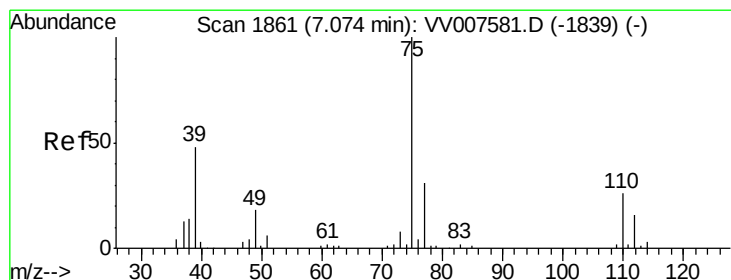
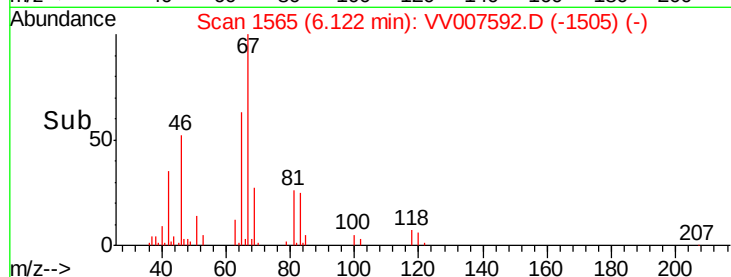
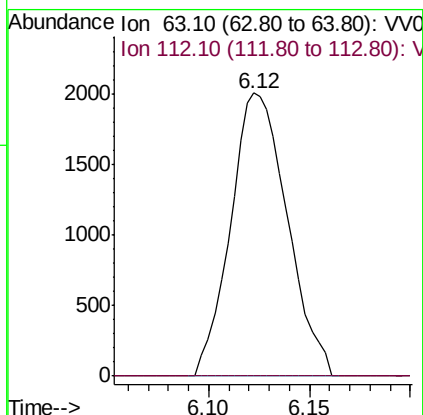
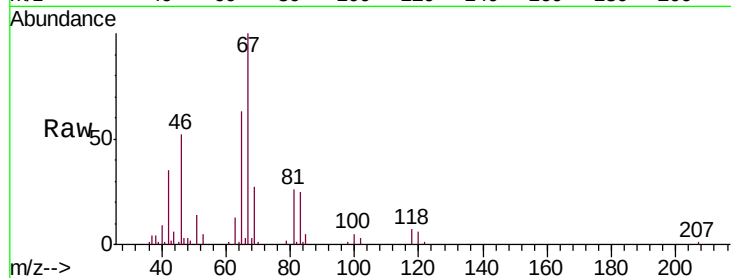




#37
 1,2-Dichloropropane
 Concen: 0.705 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.11 min
 Lab File: VV007592.D
 Acq: 17 Sep 2018 17:32

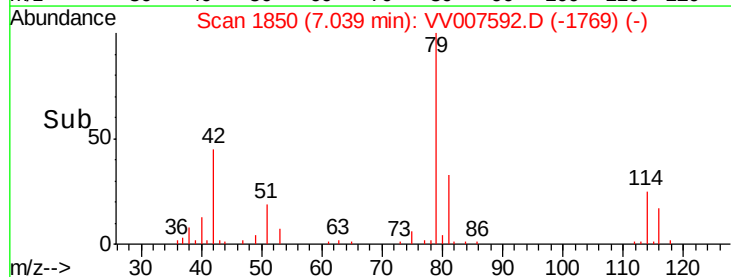
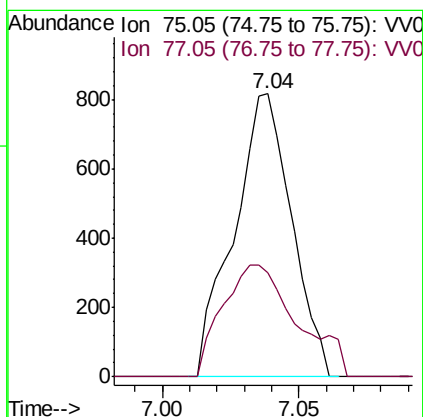
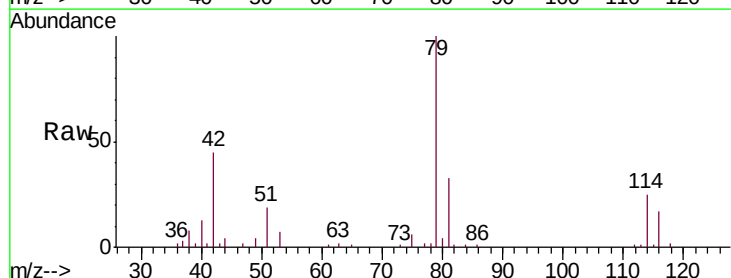
Instrument :
 MSVOA_V
 ClientSampleId :
 C0D11DL

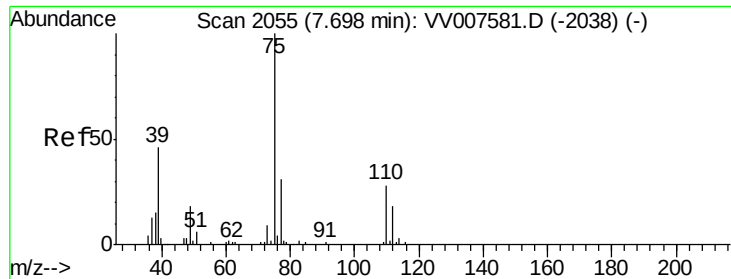
Tgt Ion: 63 Resp: 3938
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.1 6.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.135 ug/L
 RT: 7.04 min Scan# 1850
 Delta R.T. -0.04 min
 Lab File: VV007592.D
 Acq: 17 Sep 2018 17:32

Tgt Ion: 75 Resp: 1196
 Ion Ratio Lower Upper
 75 100
 77 36.7 22.0 41.0





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. -0.02 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

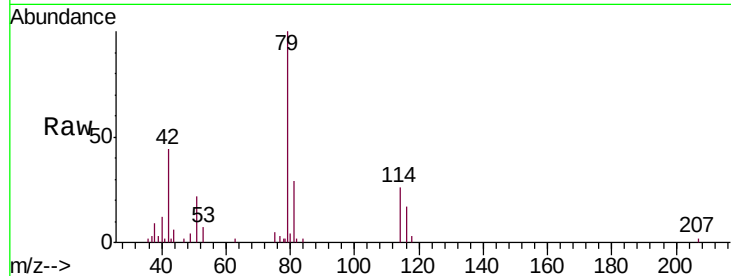
C0D11DL

Tgt Ion: 75 Resp: 649

Ion Ratio Lower Upper

75 100

77 63.3 23.4 43.4#



Abundance Ion 75.05 (74.75 to 75.75): VV007581.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007581.D (-2038) (-)

7.68

400

300

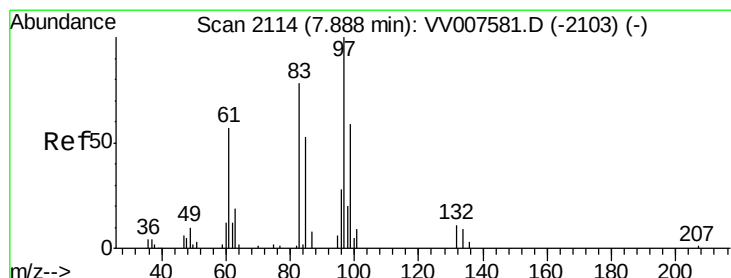
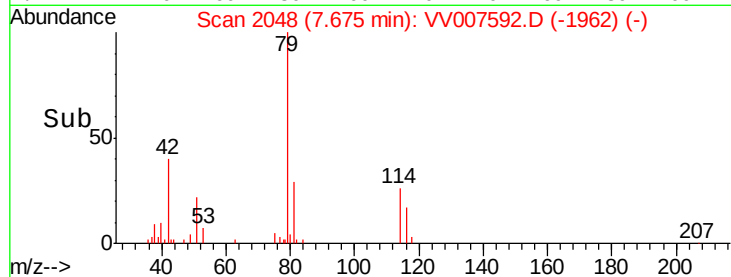
200

100

0

7.64 7.66 7.68 7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.083 ug/L

RT: 7.84 min Scan# 2099

Delta R.T. -0.05 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

Tgt Ion: 97 Resp: 348

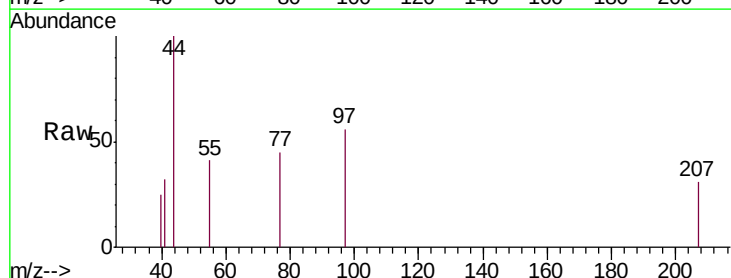
Ion Ratio Lower Upper

97 100

99 0.0 42.9 79.7#

83 0.0 58.1 107.9#

85 0.0 38.3 71.1#



Abundance Ion 96.95 (96.65 to 97.65): VV007581.D (-2103) (-)

Ion 99.05 (98.75 to 99.75): VV007581.D (-2103) (-)

Ion 82.95 (82.65 to 83.65): VV007581.D (-2103) (-)

Ion 85.00 (84.70 to 85.70): VV007581.D (-2103) (-)

300

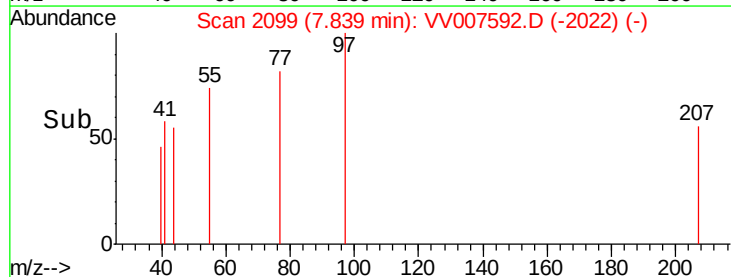
200

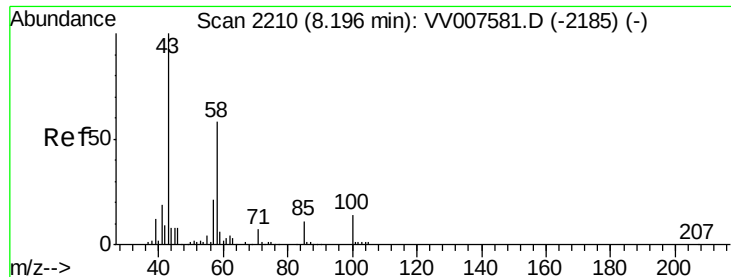
100

0

7.80 7.82 7.84 7.86

Time-->

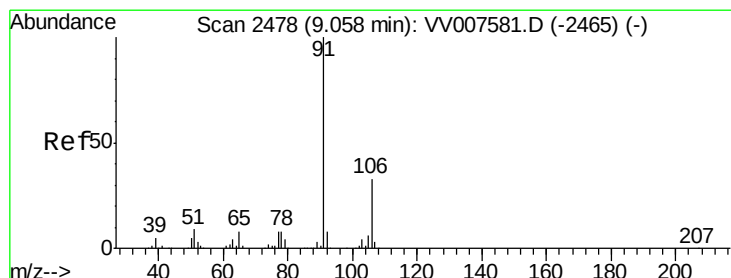
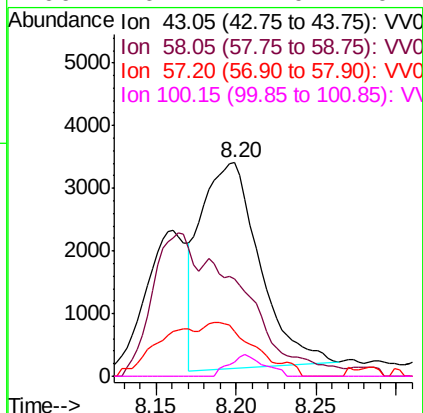
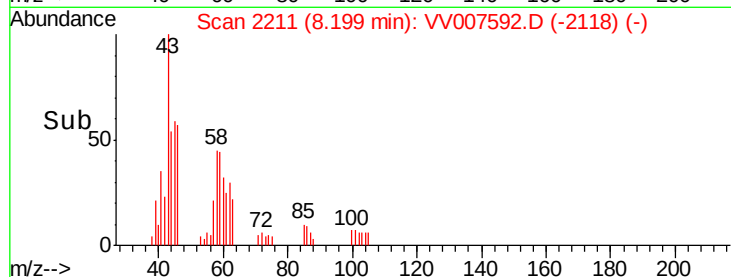
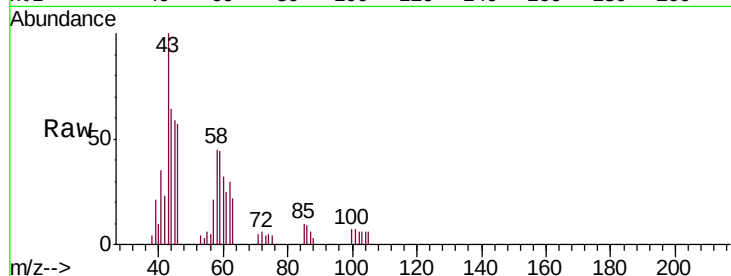




#48
2-Hexanone
Concen: 3.556 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007592.D
Acq: 17 Sep 2018 17:32

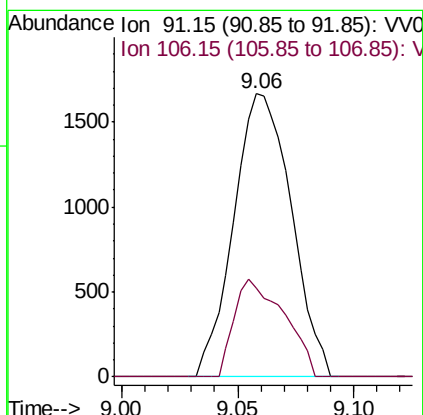
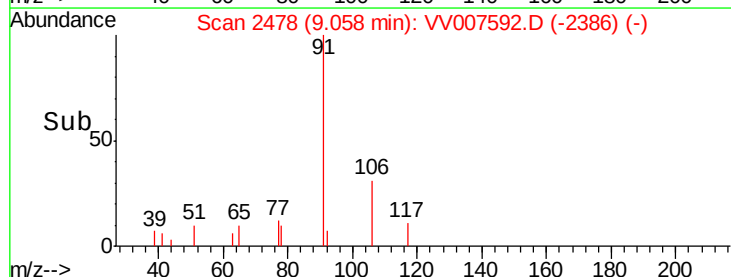
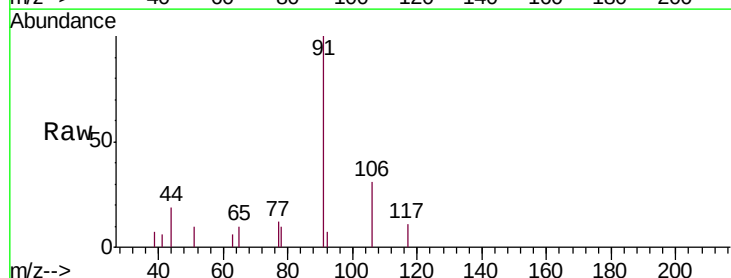
Instrument :
MSVOA_V
ClientSampleId :
C0D11DL

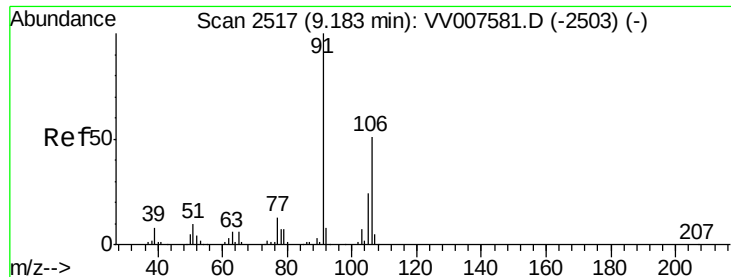
Tgt Ion: 43 Resp: 8328
Ion Ratio Lower Upper
43 100
58 0.0 49.8 74.6#
57 15.5 18.2 27.4#
100 6.1 11.0 16.4#



#52
Ethylbenzene
Concen: 0.098 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV007592.D
Acq: 17 Sep 2018 17:32

Tgt Ion: 91 Resp: 2878
Ion Ratio Lower Upper
91 100
106 31.4 22.0 41.0





#53

m,p-xylene

Concen: 0.385 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007592.D

Acq: 17 Sep 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

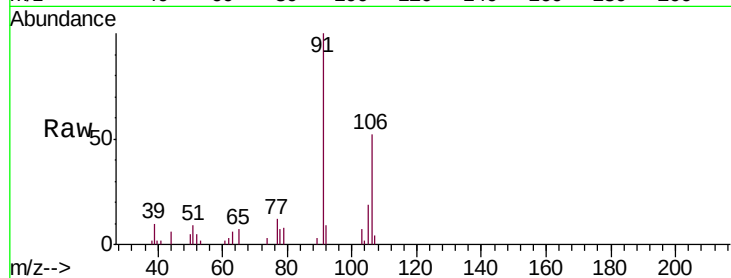
C0D11DL

Tgt Ion:106 Resp: 4402

Ion Ratio Lower Upper

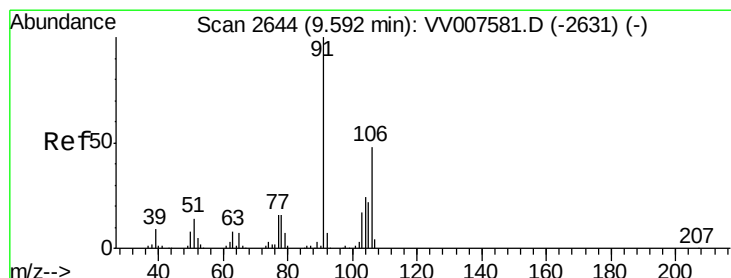
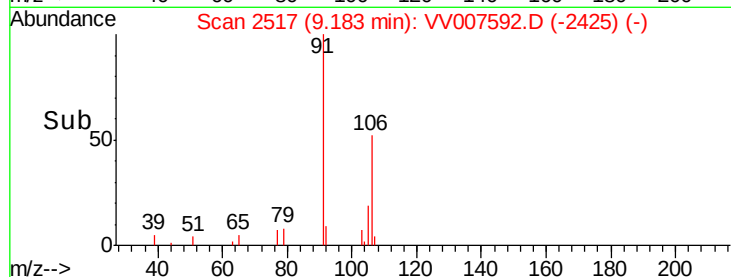
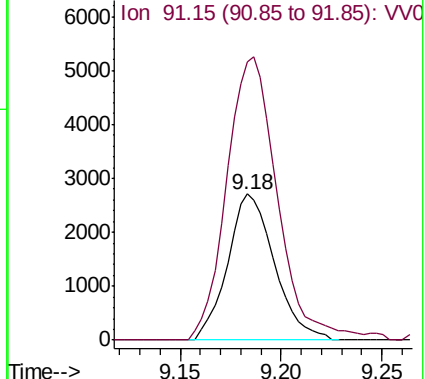
106 100

91 191.1 137.2 254.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.143 ug/L

RT: 9.59 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VV007592.D

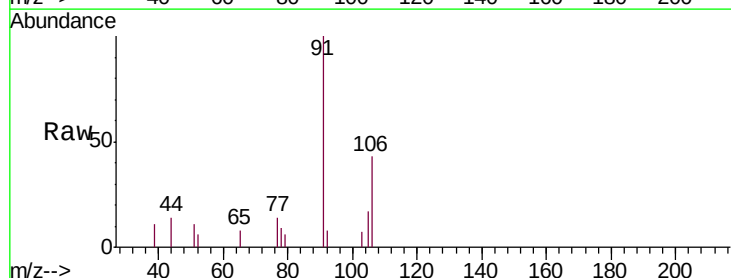
Acq: 17 Sep 2018 17:32

Tgt Ion:106 Resp: 1596

Ion Ratio Lower Upper

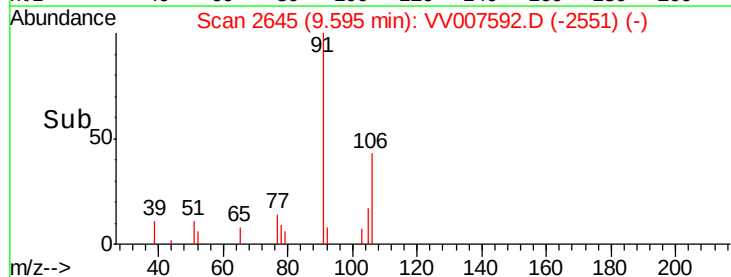
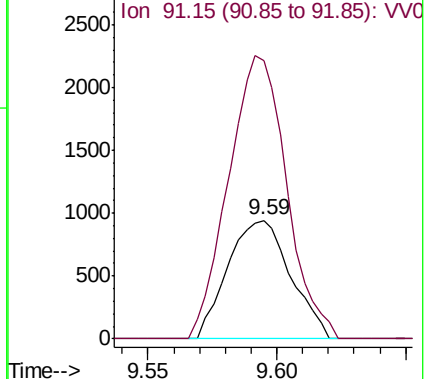
106 100

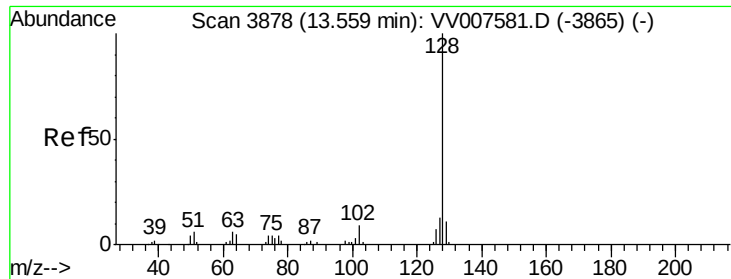
91 234.0 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#69

Naphthalene

Concen: 0.091 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VV007592.D

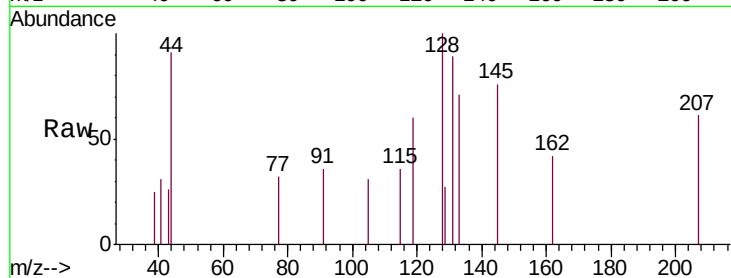
Acq: 17 Sep 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

C0D11DL



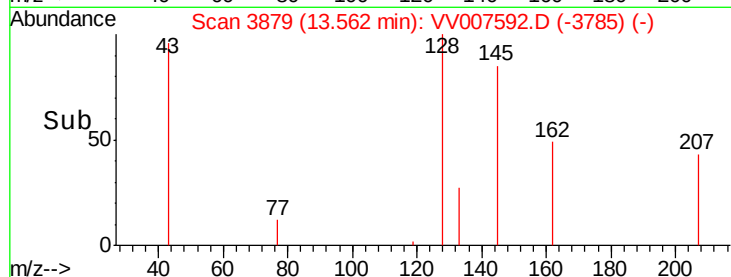
Tgt Ion:128 Resp: 924

Ion Ratio Lower Upper

128 100

129 9.0 8.5 12.7

127 0.0 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

