

Data File : VV011275.D
Acq On : 07 Jun 2019 06:26
Operator : SY/MD
Sample : K3197-20
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P28

Quant Time: Jun 07 08:15:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 08:11:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	104604	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	98023	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39372	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37286	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.55	69	27583	4.19	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.12	63	57198	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	3.94	46	141484	79.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	158.58%#
24) Chloroform-d	4.40	84	67627	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	43724	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.00%
32) Benzene-d6	5.09	84	137228	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.11	67	43911	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	121041	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.66	79	14495	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.13	63	116005	79.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	159.50%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41316	6.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	134.20%#
64) 1,2-Dichlorobenzene-d4	11.67	152	43183	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	2650	0.266 ug/L	99
5) Vinyl chloride	1.32	62	7786	0.809 ug/L #	1
6) Bromomethane	1.51	94	2476	0.495 ug/L	100
8) Chloroethane	1.45	64	1933	0.314 ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	558	0.082 ug/L #	25
13) Acetone	2.19	43	11810	9.871 ug/L	97
14) Carbon disulfide	2.30	76	2294	0.115 ug/L #	82
15) Methyl Acetate	2.46	43	425	0.134 ug/L #	60
30) Cyclohexane	4.71	56	3631	0.262 ug/L	87
34) Trichloroethene	5.96	95	1792	0.222 ug/L	93
35) Methylcyclohexane	6.12	83	11150	0.837 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	5714	0.736 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1273	0.112 ug/L	86
48) 2-Hexanone	8.13	43	16211	4.702 ug/L #	72
52) Ethylbenzene	9.05	91	4956	0.134 ug/L	94
53) m,p-xylene	9.18	106	8377	0.614 ug/L	96
54) o-xylene	9.59	106	6075	0.453 ug/L	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Quantitation Report (Not Reviewed)

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

Data File : VV011275.D

Acq On : 07 Jun 2019 06:26

Operator : SY/MD

Sample : K3197-20

Misc : 25ML/MSVOA_V/WATER

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
F9P28

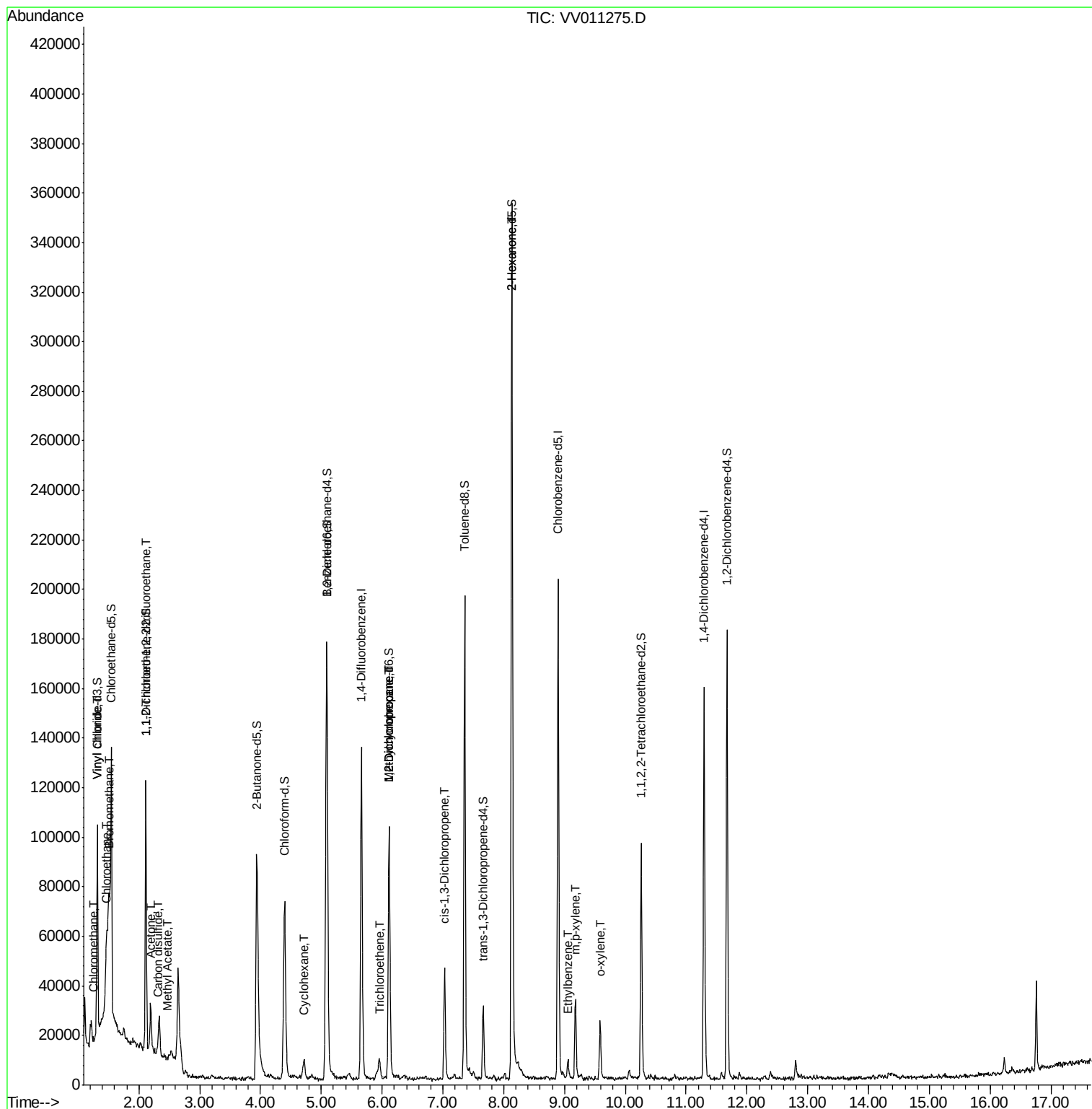
Quant Time: Jun 07 08:15:08 2019

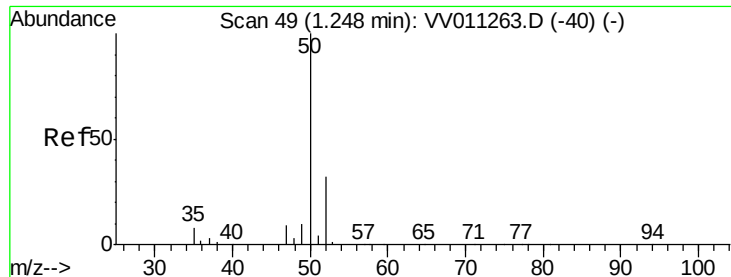
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Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 07 08:11:19 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.266 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011275.D

Acq: 07 Jun 2019 06:26

Instrument :

MSVOA_V

ClientSampleId :

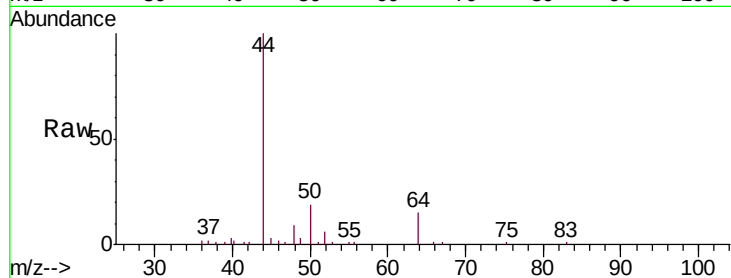
F9P28

Tgt Ion: 50 Resp: 2650

Ion Ratio Lower Upper

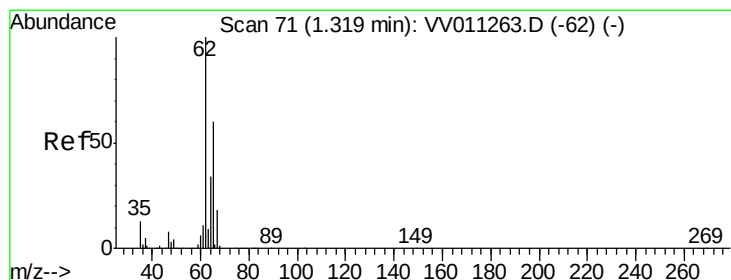
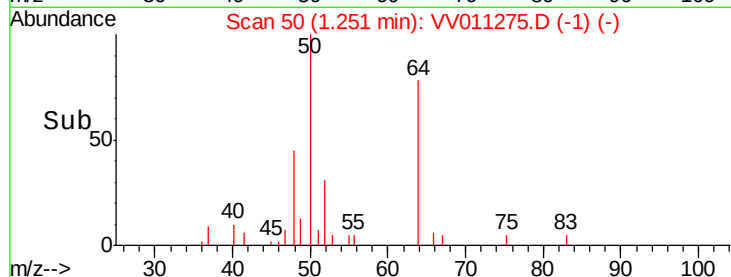
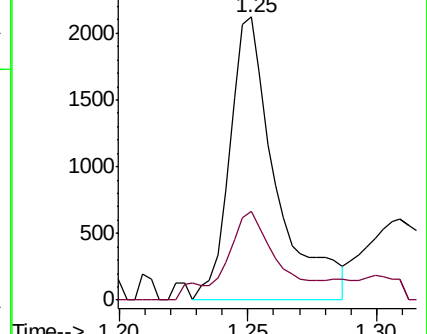
50 100

52 31.3 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.809 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011275.D

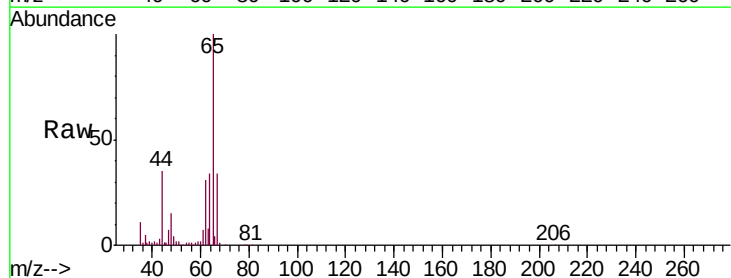
Acq: 07 Jun 2019 06:26

Tgt Ion: 62 Resp: 7786

Ion Ratio Lower Upper

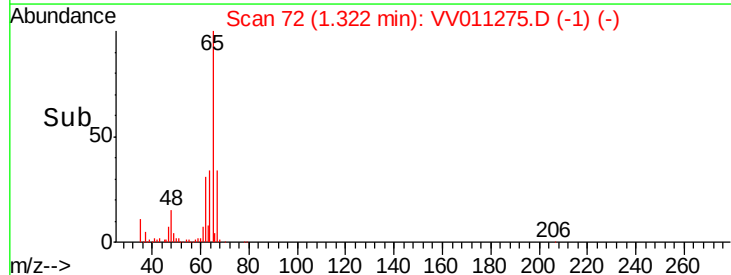
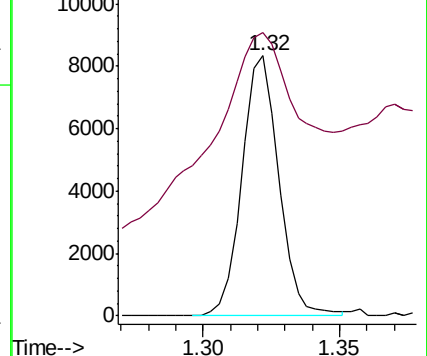
62 100

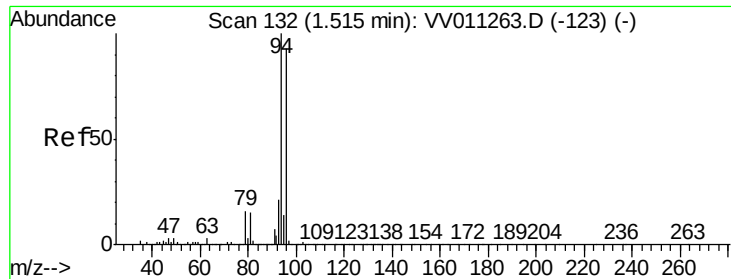
64 109.0 25.9 48.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#6

Bromomethane

Concen: 0.495 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.01 min

Lab File: VV011275.D

Acq: 07 Jun 2019 06:26

Instrument :

MSVOA_V

ClientSampleId :

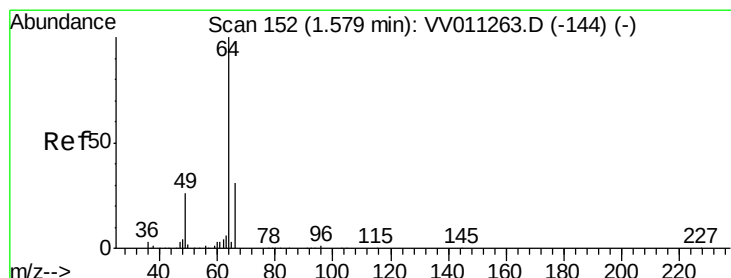
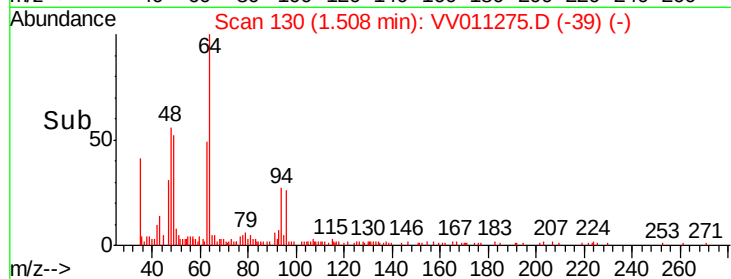
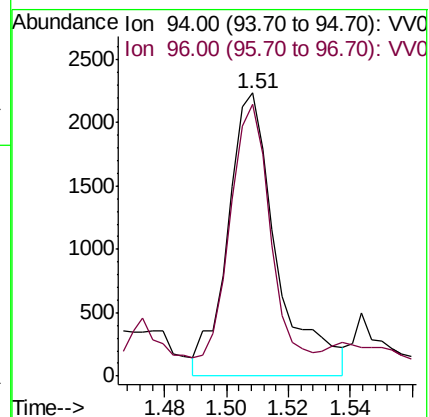
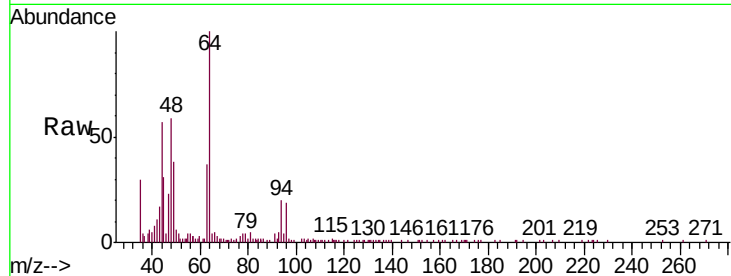
F9P28

Tgt Ion: 94 Resp: 2476

Ion Ratio Lower Upper

94 100

96 96.1 67.0 124.4



#8

Chloroethane

Concen: 0.314 ug/L

RT: 1.45 min Scan# 112

Delta R.T. -0.13 min

Lab File: VV011275.D

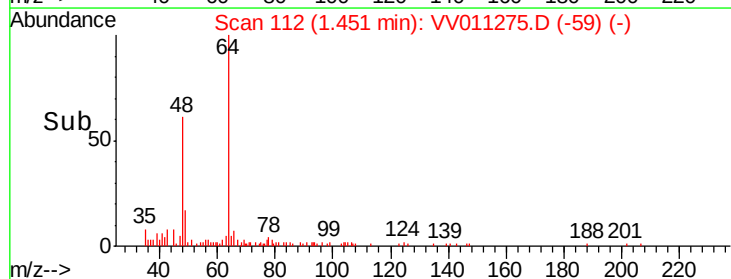
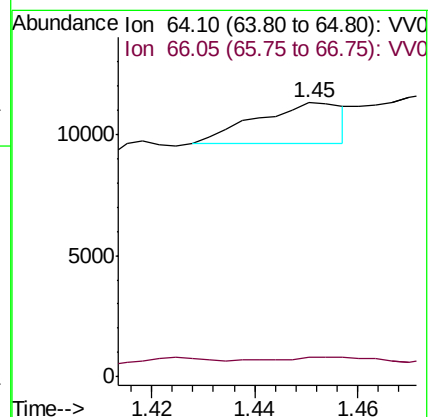
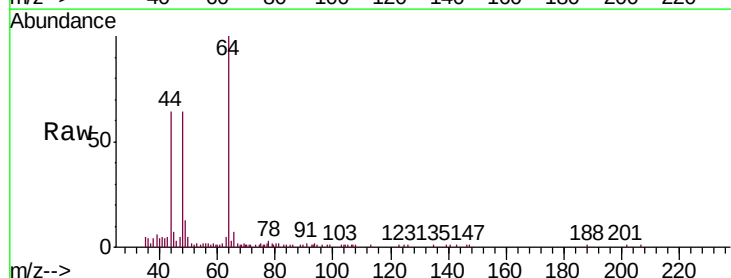
Acq: 07 Jun 2019 06:26

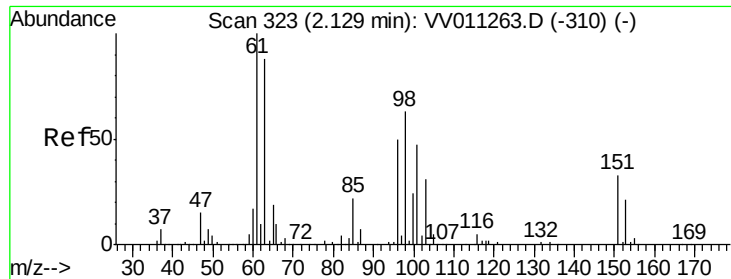
Tgt Ion: 64 Resp: 1933

Ion Ratio Lower Upper

64 100

66 7.1 19.4 36.0#





#10

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

Concen: 0.082 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV011275.D

Acq: 07 Jun 2019 06:26

Instrument :

MSVOA_V

ClientSampled :

F9P28

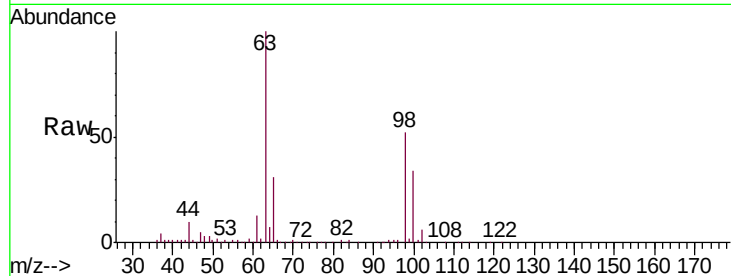
Tgt Ion:101 Resp: 558

Ion Ratio Lower Upper

101 100

85 3.4 35.5 53.3#

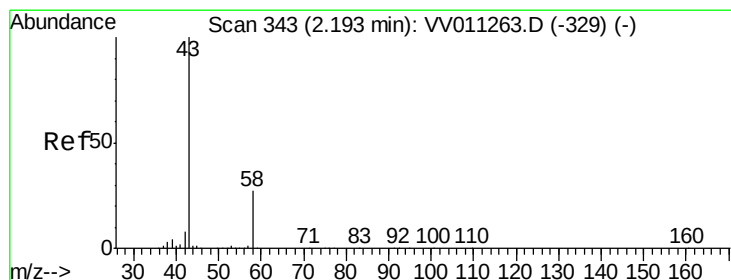
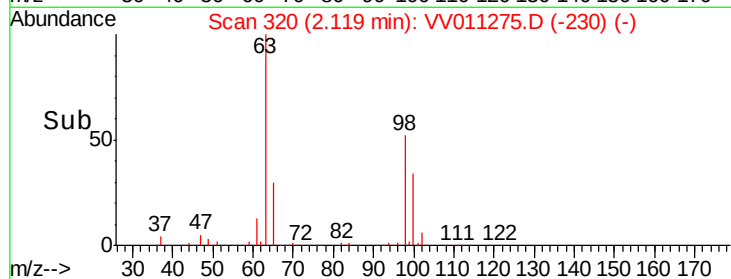
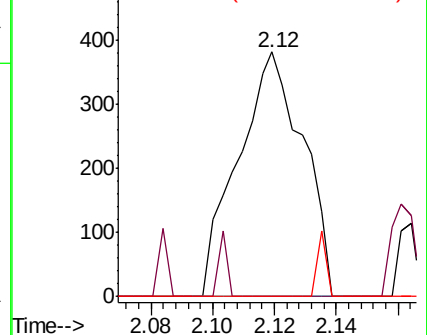
151 3.4 56.9 85.3#



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



#13

Acetone

Concen: 9.871 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV011275.D

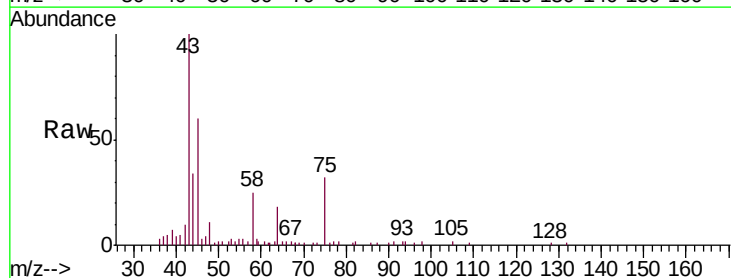
Acq: 07 Jun 2019 06:26

Tgt Ion: 43 Resp: 11810

Ion Ratio Lower Upper

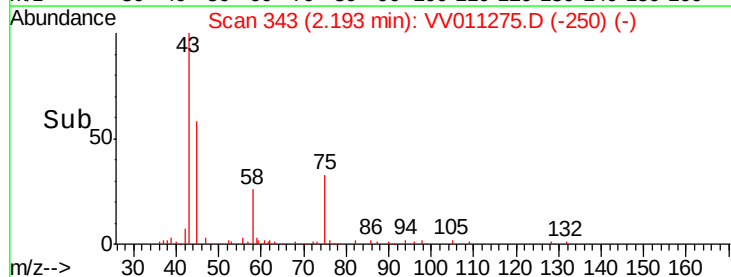
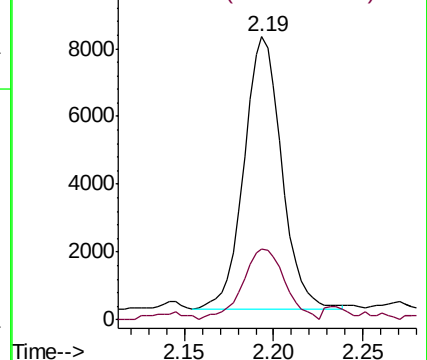
43 100

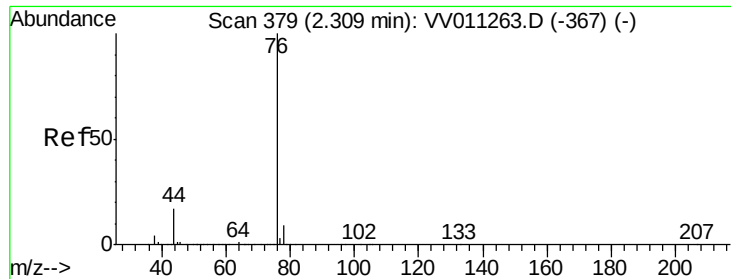
58 29.3 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.115 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.01 min

Lab File: VV011275.D

Acq: 07 Jun 2019 06:26

Instrument :

MSVOA_V

ClientSampleId :

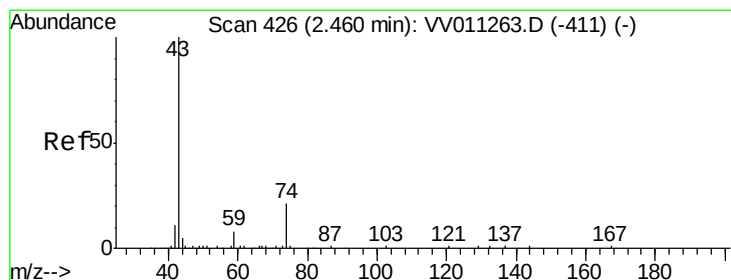
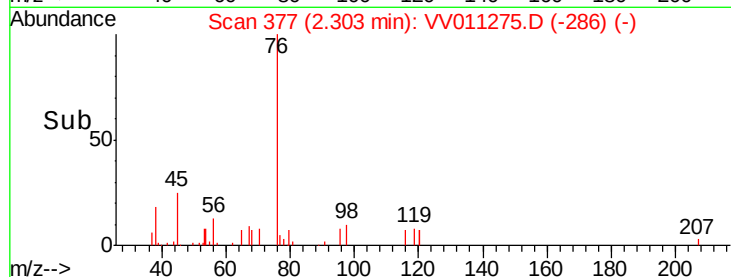
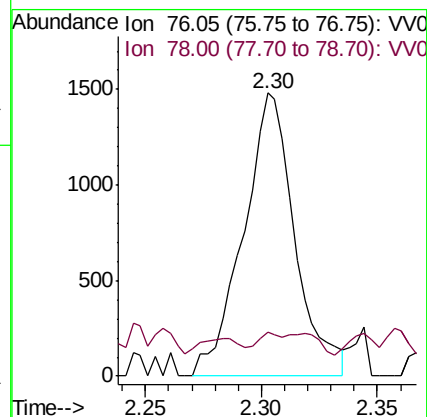
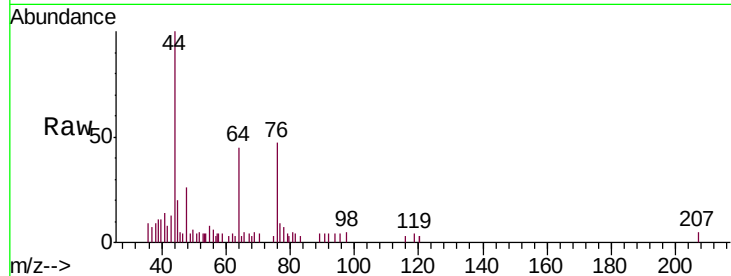
F9P28

Tgt Ion: 76 Resp: 2294

Ion Ratio Lower Upper

76 100

78 15.5 7.3 10.9#



#15

Methyl Acetate

Concen: 0.134 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV011275.D

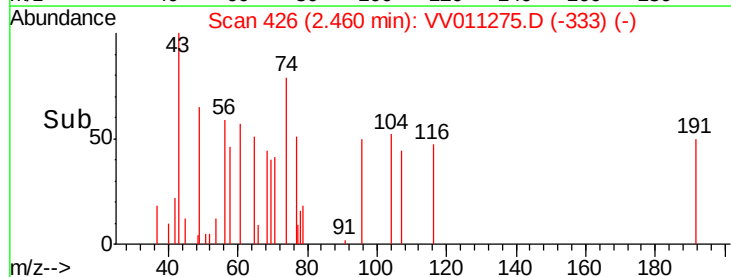
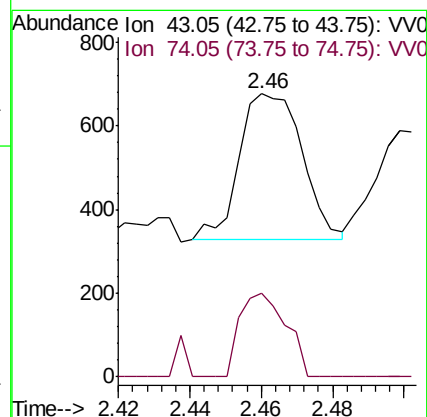
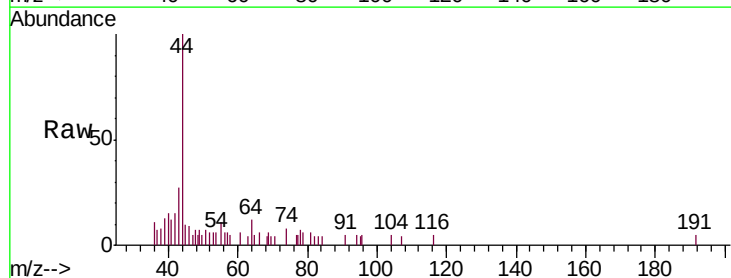
Acq: 07 Jun 2019 06:26

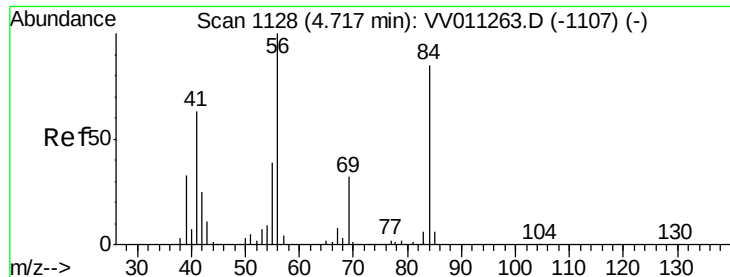
Tgt Ion: 43 Resp: 425

Ion Ratio Lower Upper

43 100

74 42.4 18.5 27.7#

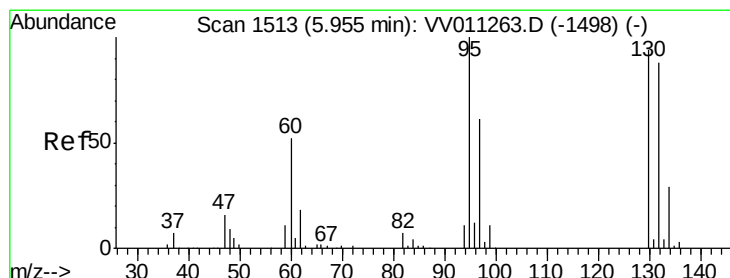
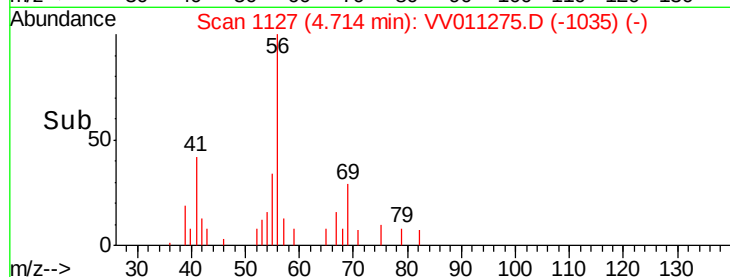
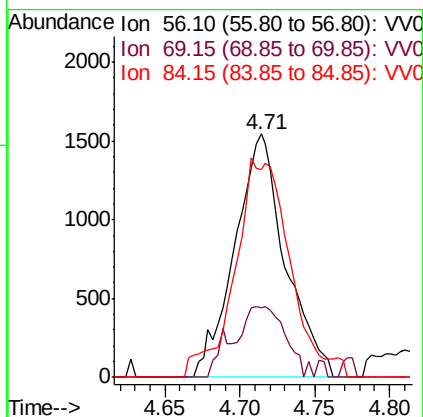
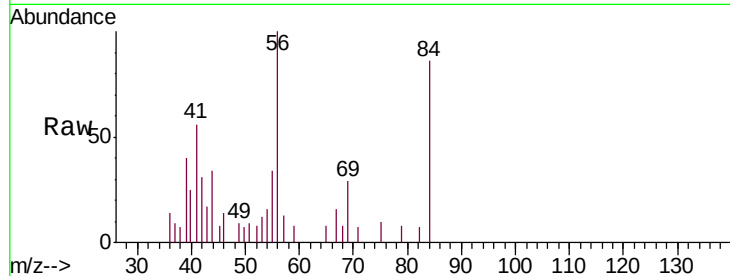




#30
Cyclohexane
Concen: 0.262 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VV011275.D
Acq: 07 Jun 2019 06:26

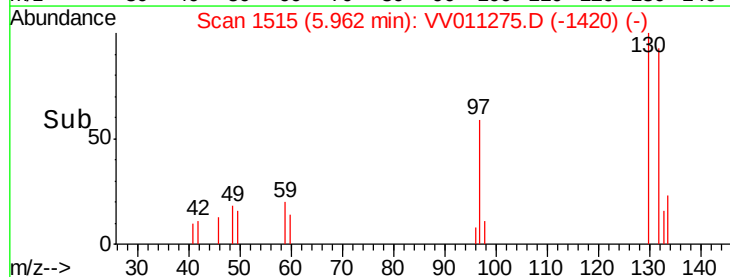
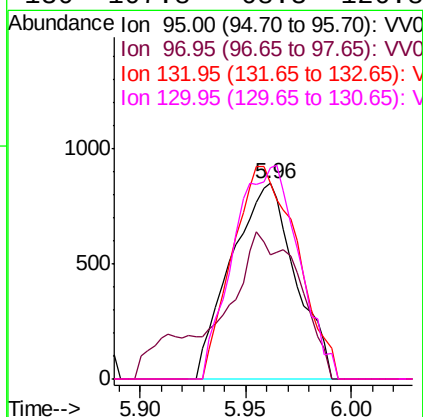
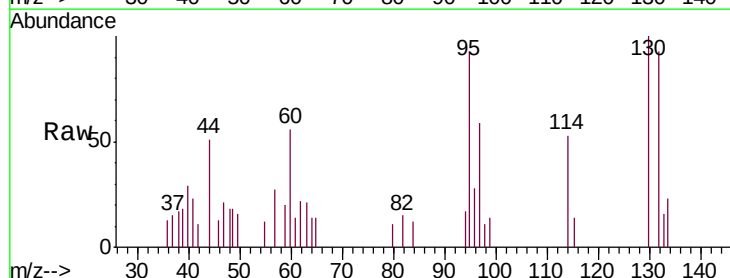
Instrument :
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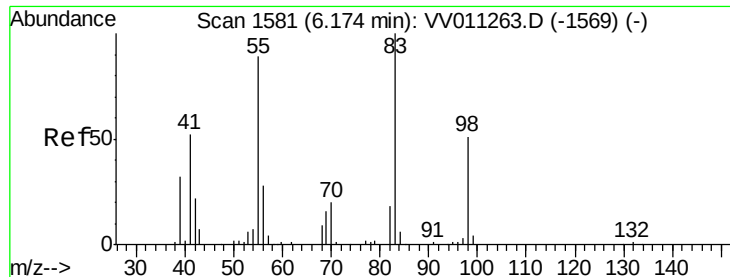
Tgt Ion: 56 Resp: 3631
Ion Ratio Lower Upper
56 100
69 24.3 24.1 36.1
84 95.8 66.4 99.6



#34
Trichloroethene
Concen: 0.222 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VV011275.D
Acq: 07 Jun 2019 06:26

Tgt Ion: 95 Resp: 1792
Ion Ratio Lower Upper
95 100
97 63.7 45.8 85.2
132 100.1 66.4 123.2
130 107.8 68.3 126.8





#35

Methylcyclohexane

Concen: 0.837 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV011275.D

Acq: 07 Jun 2019 06:26

Instrument :

MSVOA_V

ClientSampleId :

F9P28

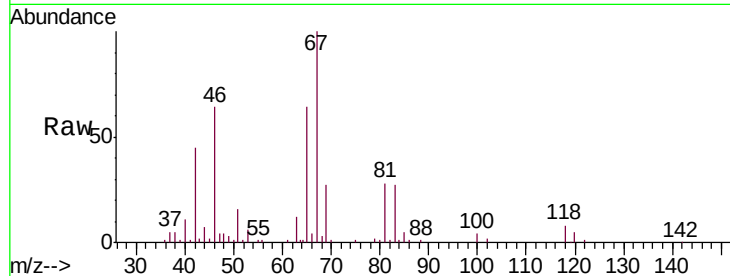
Tgt Ion: 83 Resp: 11150

Ion Ratio Lower Upper

83 100

55 1.9 67.0 100.6#

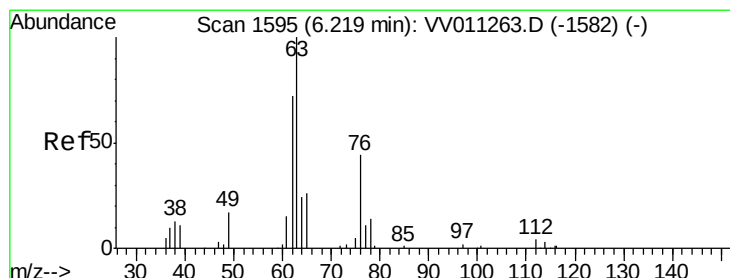
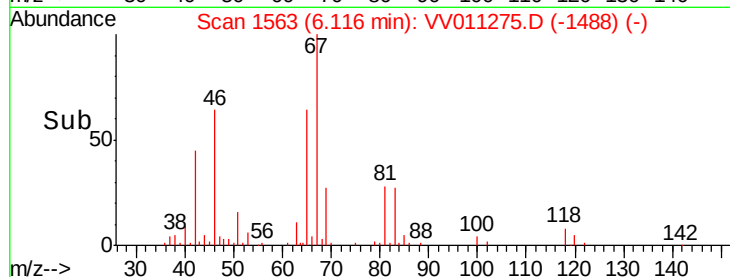
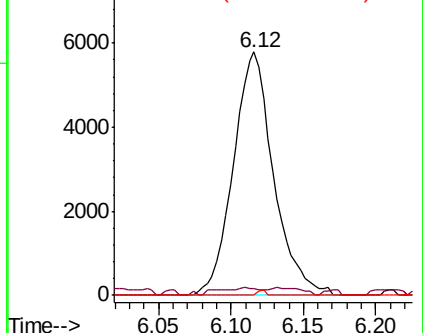
98 0.4 40.0 60.0#



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: 0.736 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011275.D

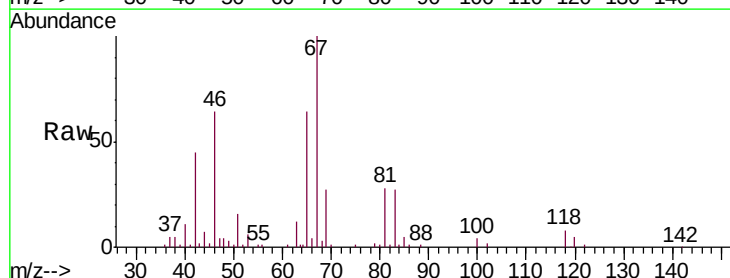
Acq: 07 Jun 2019 06:26

Tgt Ion: 63 Resp: 5714

Ion Ratio Lower Upper

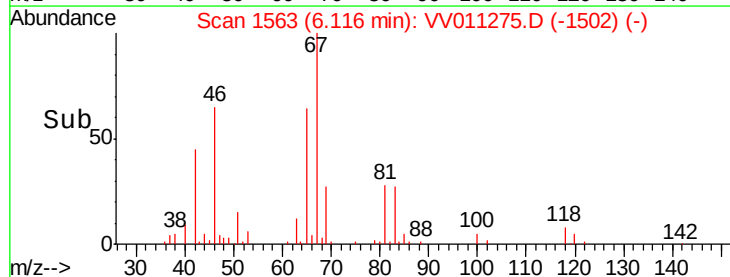
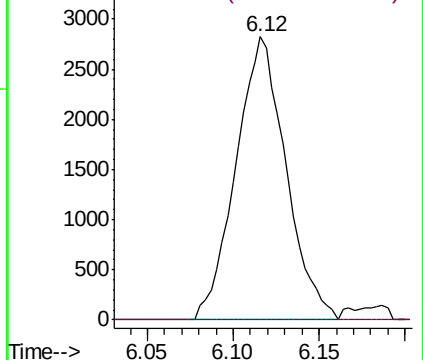
63 100

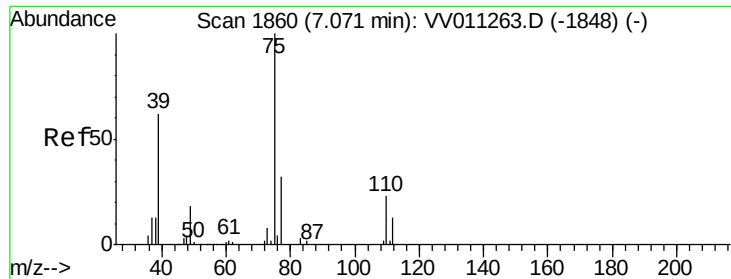
112 0.8 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

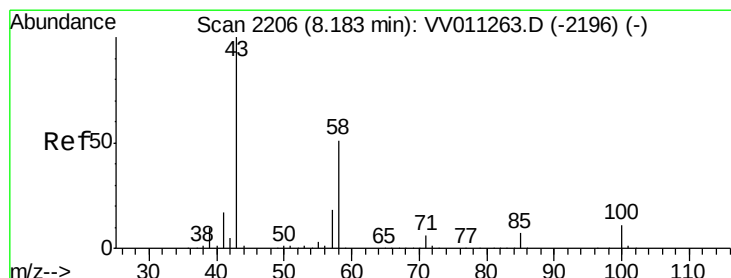
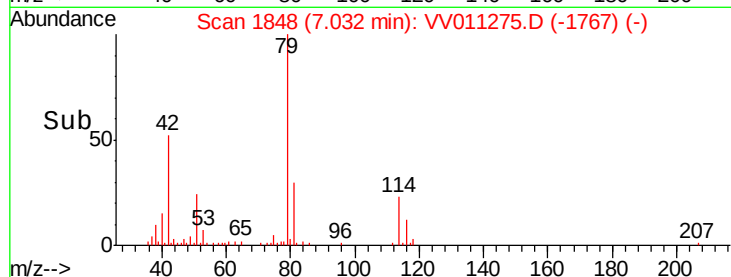
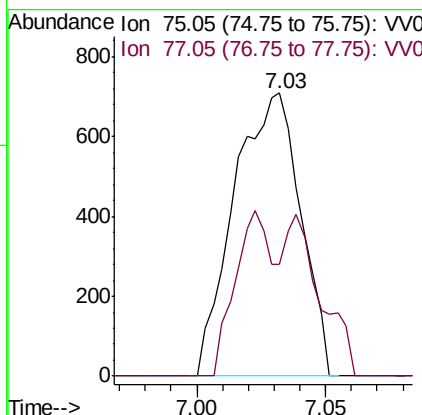
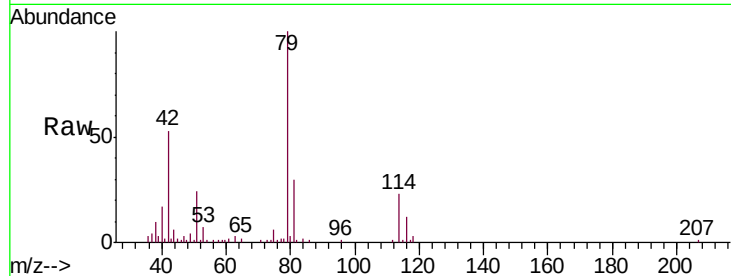




#39
 cis-1,3-Dichloropropene
 Concen: 0.112 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011275.D
 Acq: 07 Jun 2019 06:26

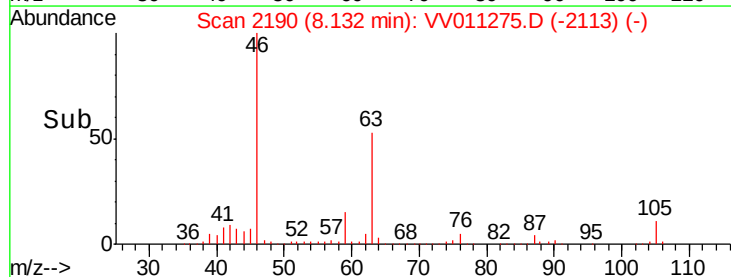
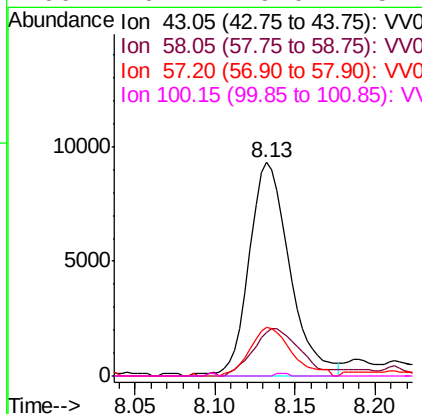
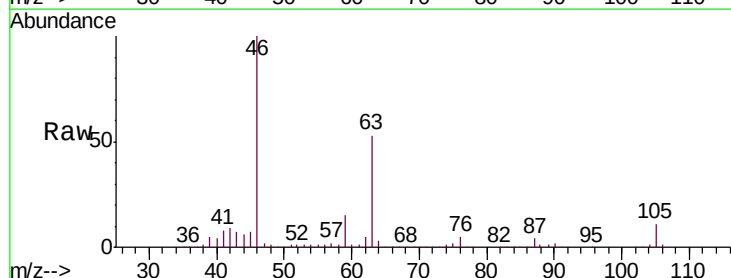
Instrument :
 MSVOA_V
 ClientSampleId :
 F9P28

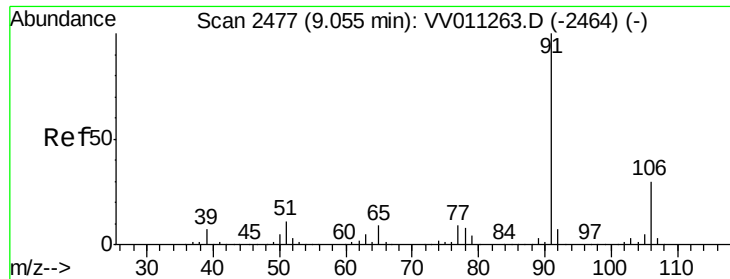
Tgt Ion: 75 Resp: 1273
 Ion Ratio Lower Upper
 75 100
 77 39.5 22.2 41.2



#48
 2-Hexanone
 Concen: 4.702 ug/L
 RT: 8.13 min Scan# 2190
 Delta R.T. -0.05 min
 Lab File: VV011275.D
 Acq: 07 Jun 2019 06:26

Tgt Ion: 43 Resp: 16211
 Ion Ratio Lower Upper
 43 100
 58 27.1 41.4 62.0#
 57 23.3 15.0 22.4#
 100 0.4 9.0 13.4#





#52

Ethylbenzene

Concen: 0.134 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011275.D

Acq: 07 Jun 2019 06:26

Instrument :

MSVOA_V

ClientSampleId :

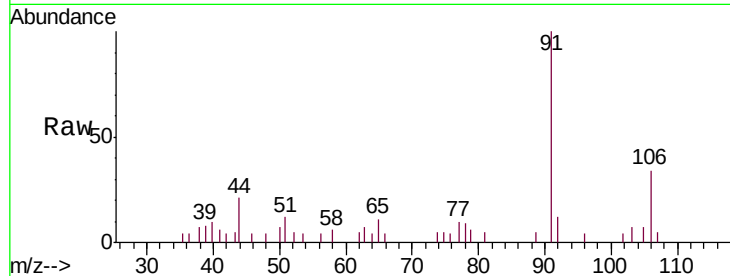
F9P28

Tgt Ion: 91 Resp: 4956

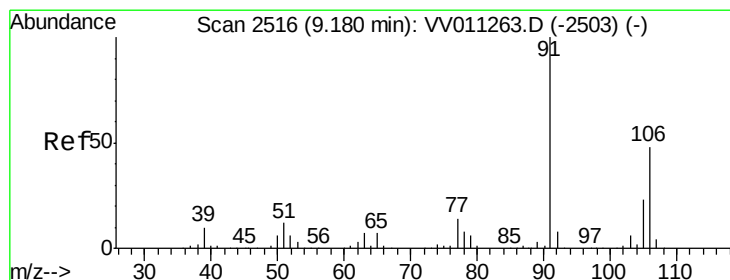
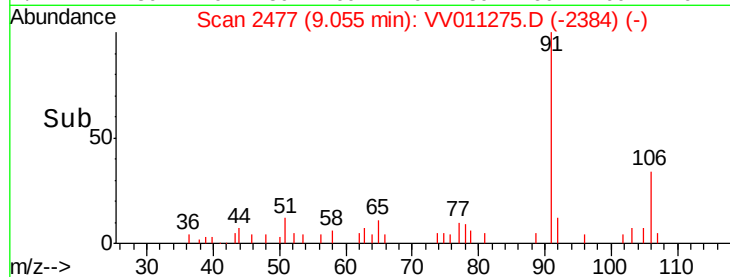
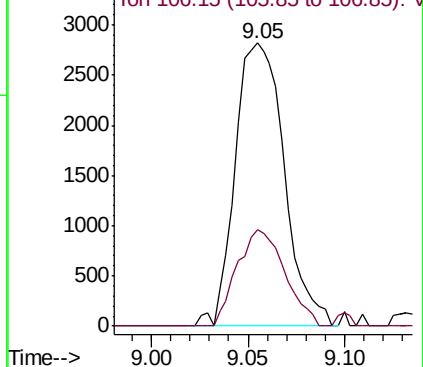
Ion Ratio Lower Upper

91 100

106 34.2 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011263.D (-2464) (-)



#53

m,p-xylene

Concen: 0.614 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011275.D

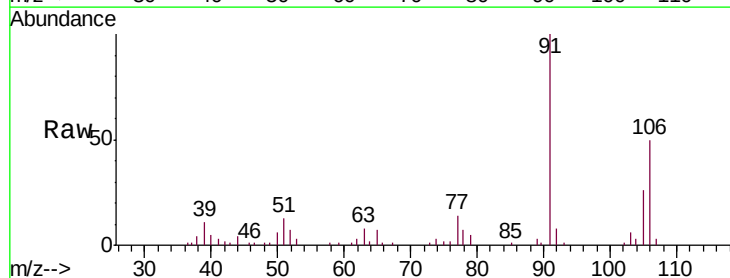
Acq: 07 Jun 2019 06:26

Tgt Ion: 106 Resp: 8377

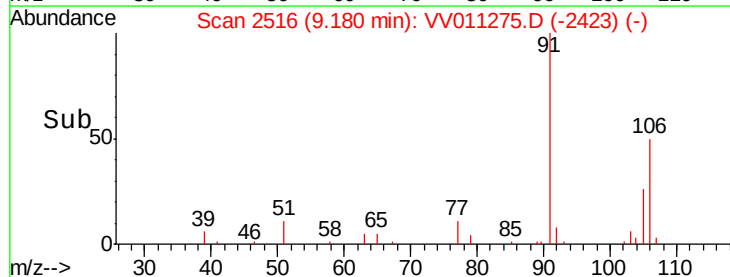
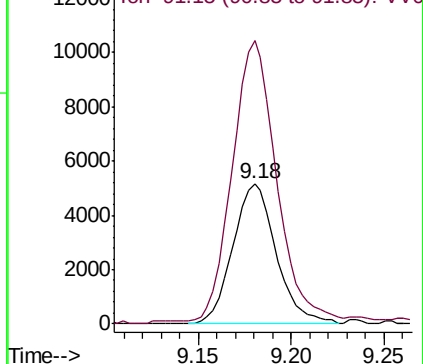
Ion Ratio Lower Upper

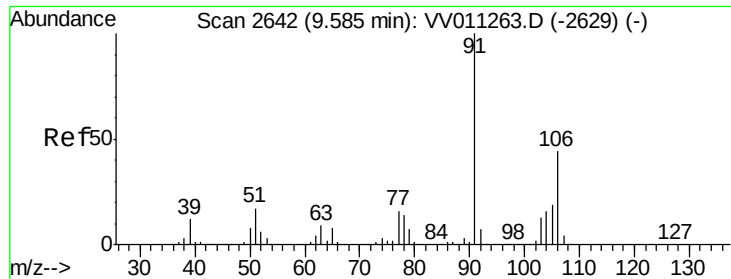
106 100

91 201.8 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011263.D (-2503) (-)





#54
 o-xylene
 Concen: 0.453 ug/L
 RT: 9.59 min Scan# 2642
 Delta R.T. 0.00 min
 Lab File: VV011275.D
 Acq: 07 Jun 2019 06:26

Instrument :
 MSVOA_V
 ClientSampleId :
 F9P28

Tgt Ion:106 Resp: 6075
 Ion Ratio Lower Upper
 106 100
 91 200.6 155.4 288.6

