

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007529.D
 Acq On : 14 Sep 2018 00:12
 Operator : SY/MD
 Sample : J4871-21
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 05:12:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	132240	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	117212	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61634	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27655	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.59	69	25439	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.14	63	48022	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	3.97	46	58924	61.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.32%
24) Chloroform-d	4.41	84	60240	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.09	65	30342	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	5.10	84	119954	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.12	67	35279	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.36	98	117585	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.67	79	14349	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.15	63	28668	48.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.92%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	24466	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	47743	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	1801	0.259	ug/L #	67
12) 1,1-Dichloroethene	2.14	96	1976	0.294	ug/L #	1
15) Methyl Acetate	2.48	43	301	0.175	ug/L #	43
16) Methylene chloride	2.54	84	7603	1.048	ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	16013	2.225	ug/L	96
25) Chloroform	4.42	83	1120	0.092	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	8492	0.745	ug/L	99
31) Carbon tetrachloride	4.67	117	1013	0.095	ug/L #	79
34) Trichloroethene	5.96	95	76154	10.259	ug/L	97
35) Methylcyclohexane	6.13	83	9010	0.786	ug/L #	23
37) 1,2-Dichloropropane	6.13	63	4324	0.725	ug/L #	85
39) cis-1,3-Dichloropropene	7.04	75	1307	0.138	ug/L #	60
44) trans-1,3-Dichloropropene	7.67	75	698	0.089	ug/L #	80
48) 2-Hexanone	8.19	43	4754	1.902	ug/L #	36
53) m,p-xylene	9.19	106	3321	0.272	ug/L	98
69) Naphthalene	13.57	128	1835	0.173	ug/L #	85

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QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration

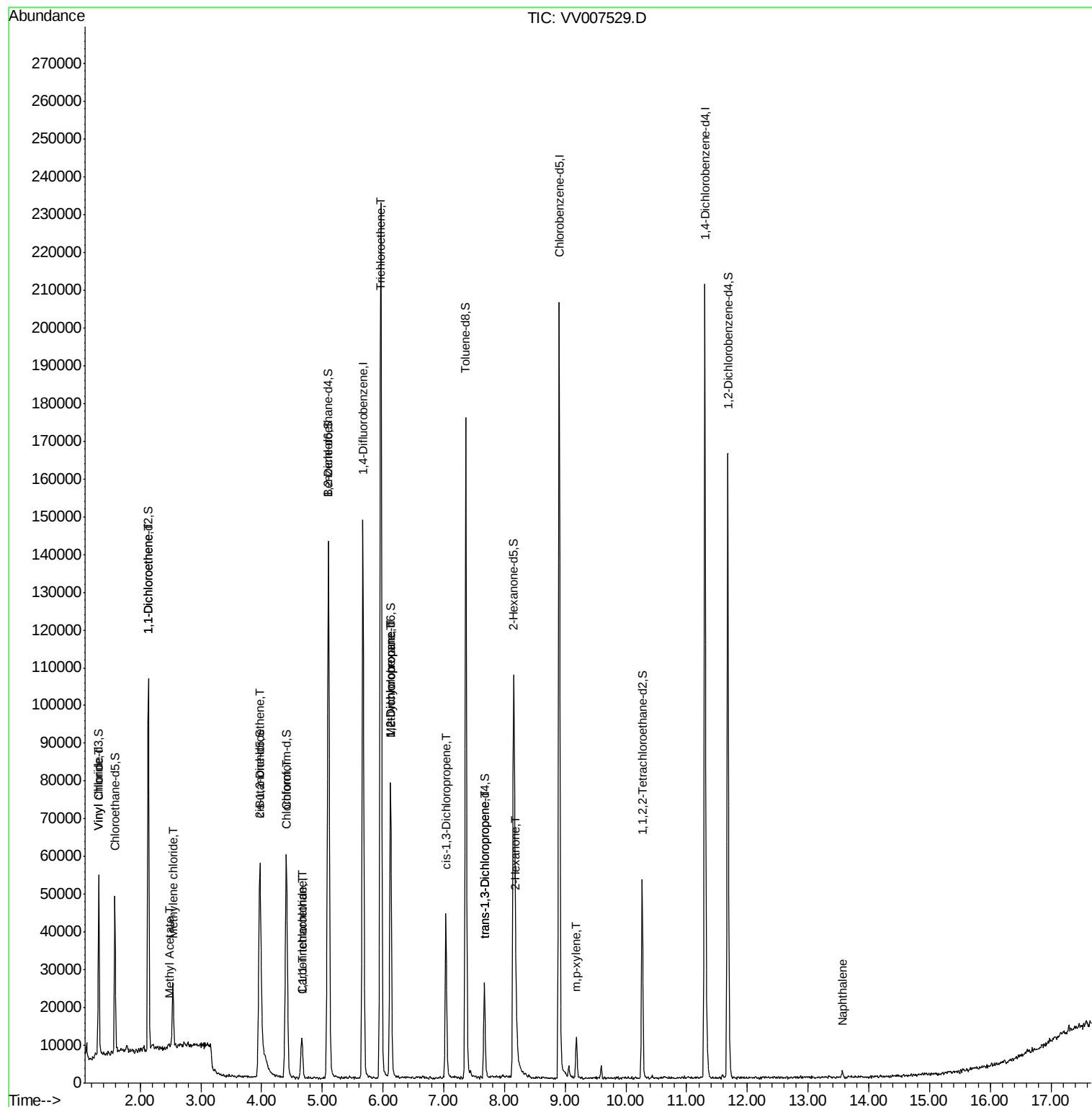
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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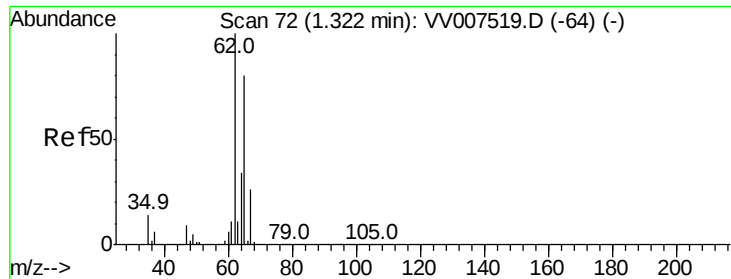
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV091318\
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.259 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

Instrument :

MSVOA_V

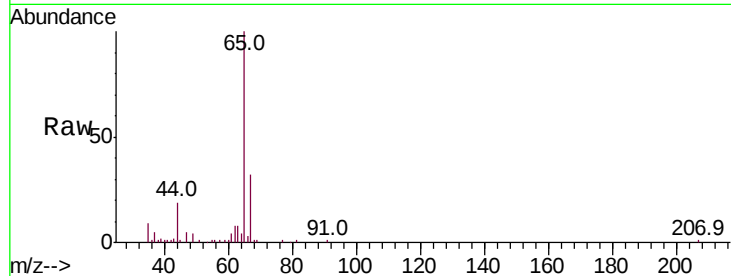
ClientSampleId :

Tot Ion: 62 Resp: 1801

Ion Ratio Lower Upper

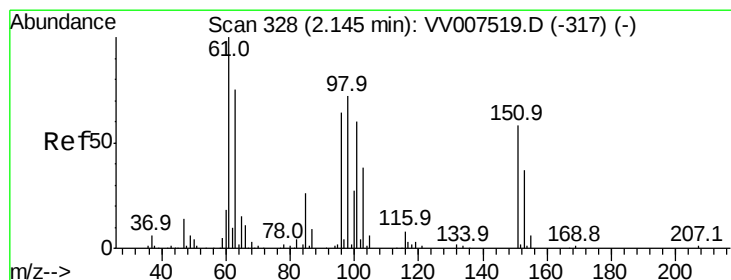
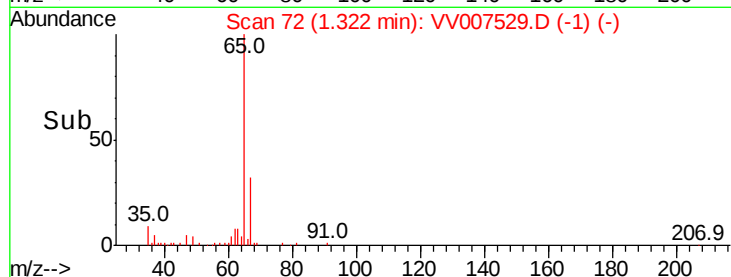
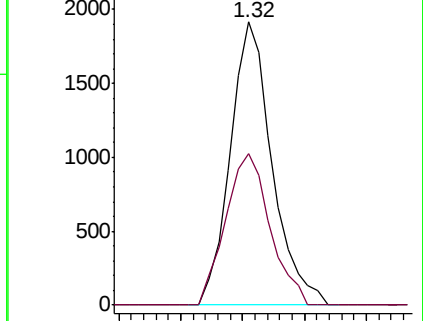
62 100

64 53.7 24.4 45.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 0.294 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

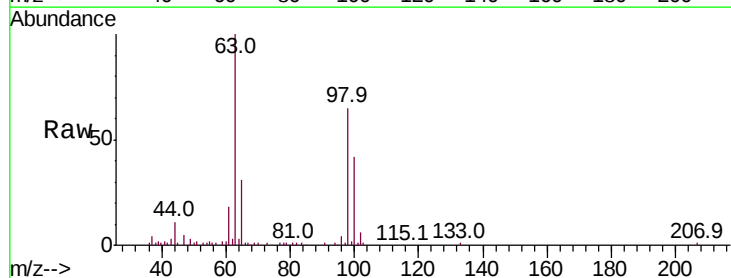
Tgt Ion: 96 Resp: 1976

Ion Ratio Lower Upper

96 100

61 411.0 114.8 213.2#

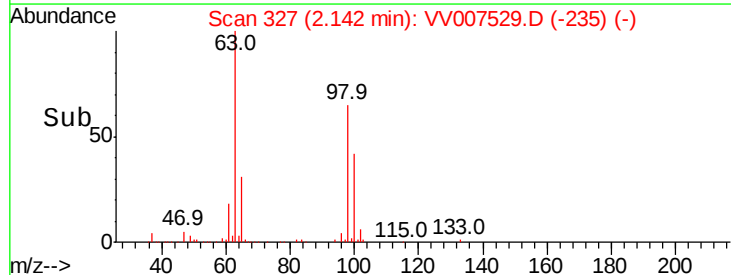
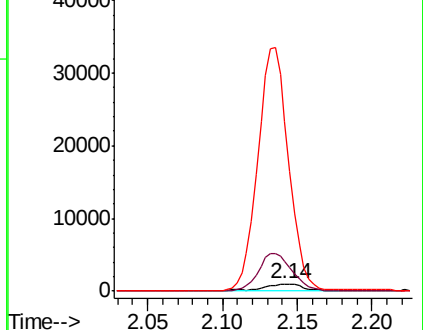
63 2293.9 81.8 151.8#

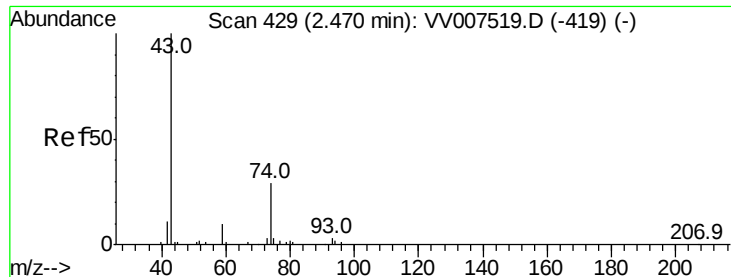


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#15

Methyl Acetate

Concen: 0.175 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.01 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

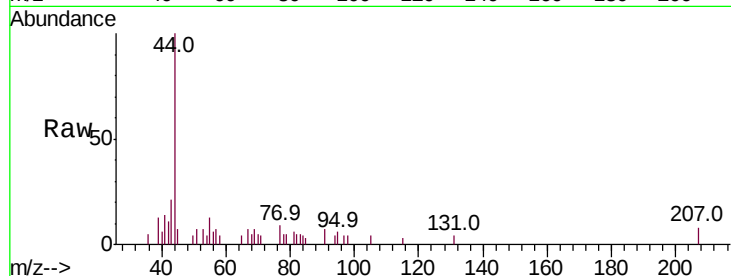
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 301

Ion Ratio Lower Upper

43 100

74 0.0 25.4 38.2#



Abundance Ion 43.05 (42.75 to 43.75): VV007519.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VV007519.D (-419) (-)

2.48

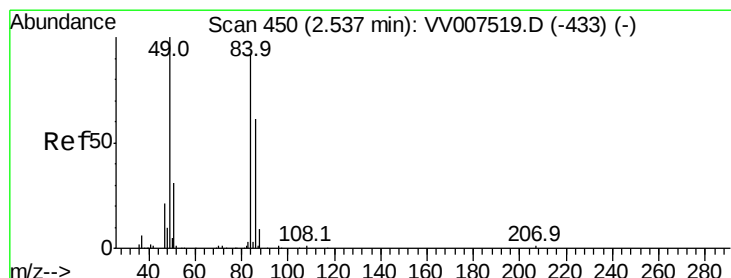
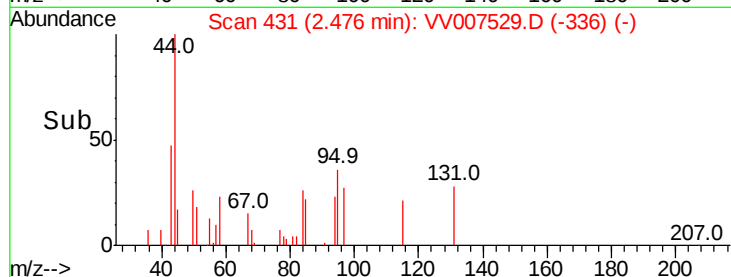
600

400

200

0

Time--> 2.44 2.46 2.48 2.50 2.52



#16

Methylene chloride

Concen: 1.048 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

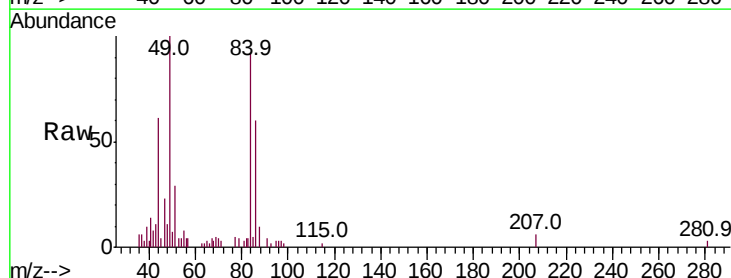
Tgt Ion: 84 Resp: 7603

Ion Ratio Lower Upper

84 100

86 65.0 43.7 81.1

49 108.8 76.8 142.6



Abundance Ion 84.05 (83.75 to 84.75): VV007519.D (-433) (-)

Ion 86.00 (85.70 to 86.70): VV007519.D (-433) (-)

Ion 49.10 (48.80 to 49.80): VV007519.D (-433) (-)

2.54

6000

5000

4000

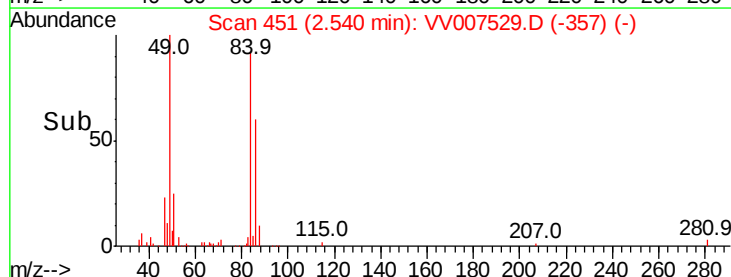
3000

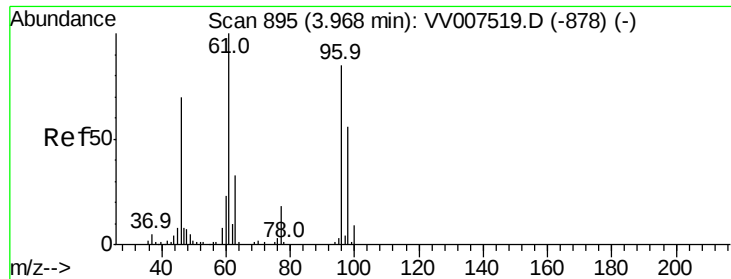
2000

1000

0

Time--> 2.45 2.50 2.55 2.60



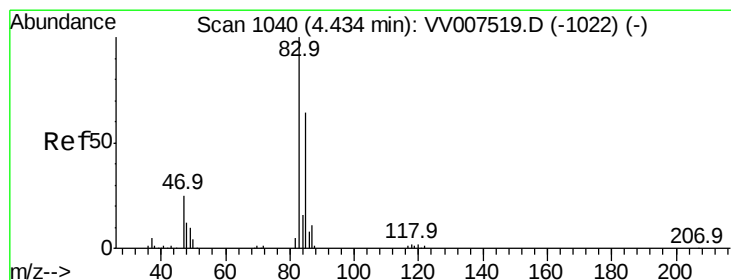
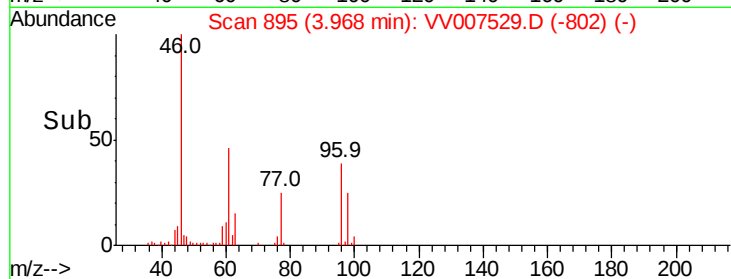
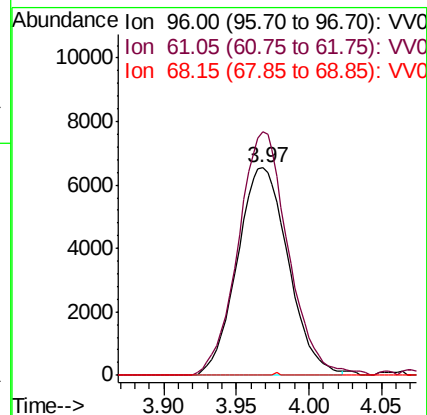
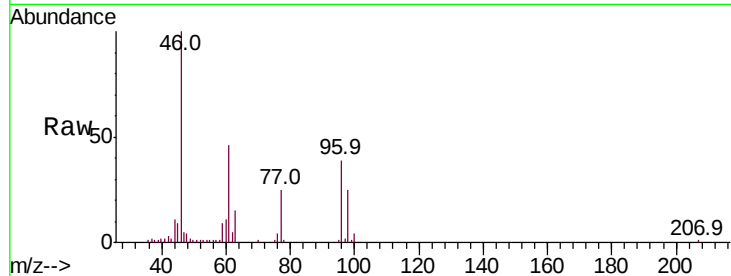


#22

cis-1,2-Dichloroethene
Concen: 2.225 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV007529.D
Acq: 14 Sep 2018 00:12

Instrument :
MSVOA_V
ClientSampleId :

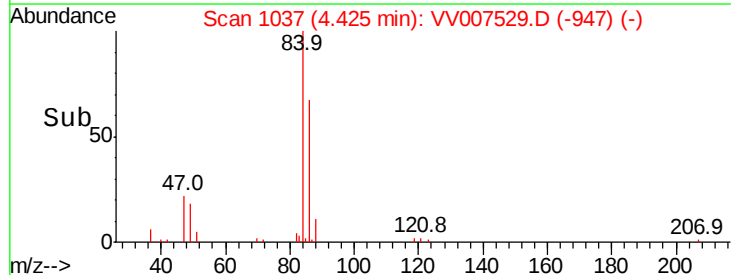
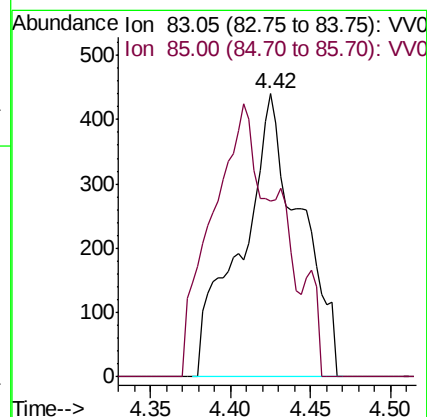
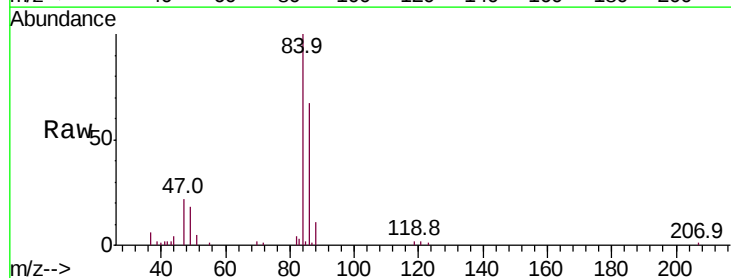
Tot Ion: 96 Resp: 16013
Ion Ratio Lower Upper
96 100
61 117.3 85.3 158.5
68 0.0 0.0 0.0

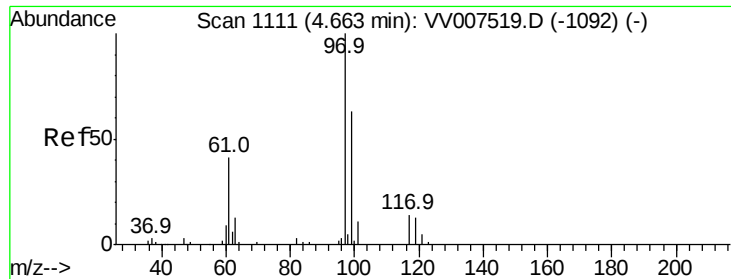


#25

Chloroform
Concen: 0.092 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VV007529.D
Acq: 14 Sep 2018 00:12

Tgt Ion: 83 Resp: 1120
Ion Ratio Lower Upper
83 100
85 62.3 45.5 84.5

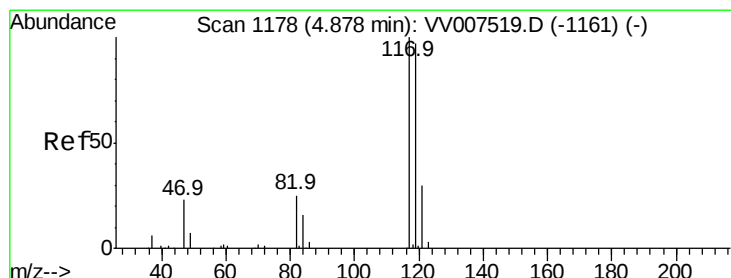
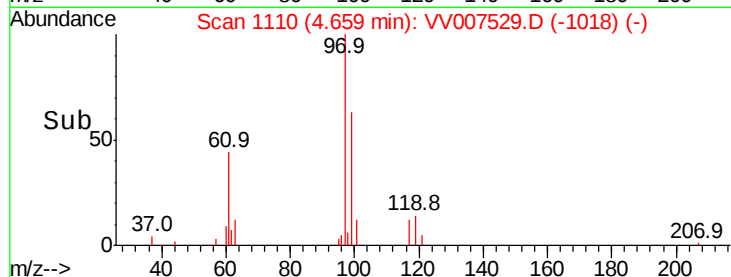
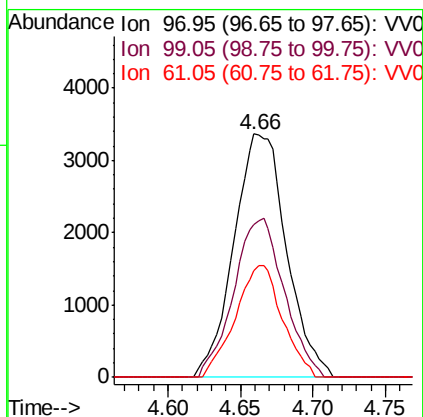
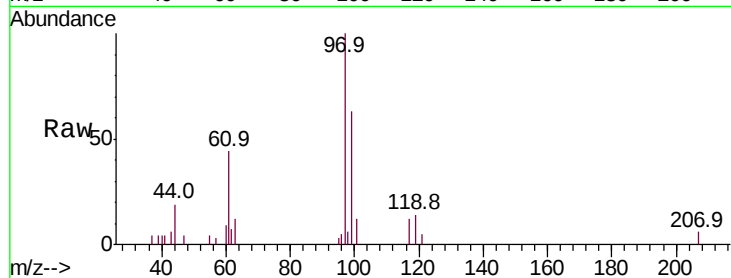




#29
 1,1,1-Trichloroethane
 Concen: 0.745 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007529.D
 Acq: 14 Sep 2018 00:12

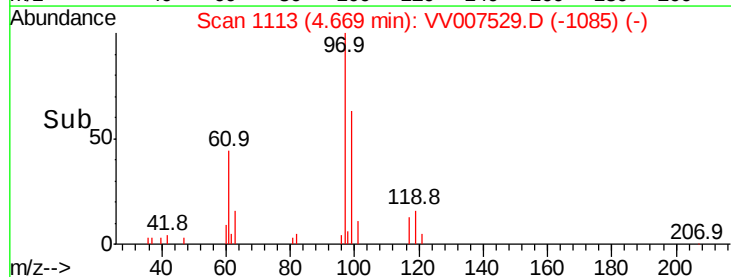
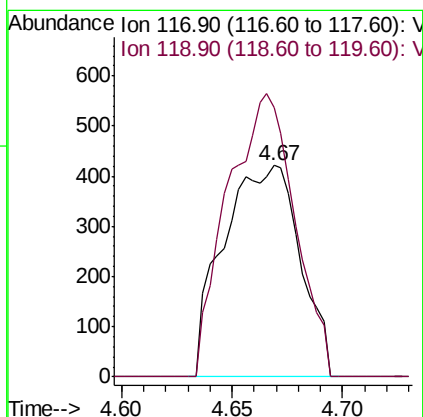
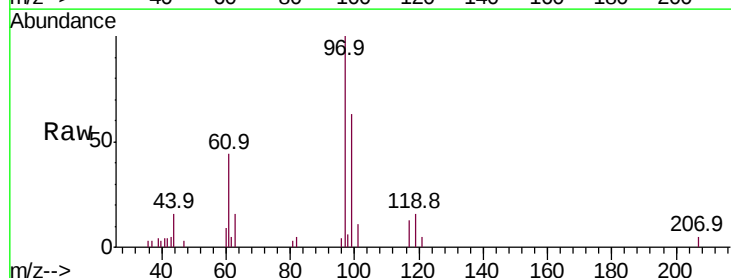
Instrument :
 MSVOA_V
 ClientSampled :

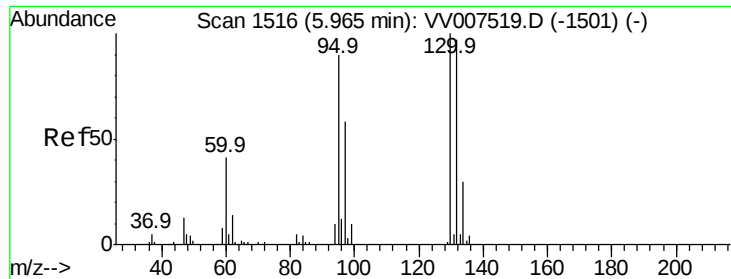
Tot Ion: 97 Resp: 8492
 Ion Ratio Lower Upper
 97 100
 99 62.4 50.7 76.1
 61 41.0 32.5 48.7



#31
 Carbon tetrachloride
 Concen: 0.095 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.21 min
 Lab File: VV007529.D
 Acq: 14 Sep 2018 00:12

Tgt Ion: 117 Resp: 1013
 Ion Ratio Lower Upper
 117 100
 119 117.5 77.5 116.3#





#34

Trichloroethene

Concen: 10.259 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 76154

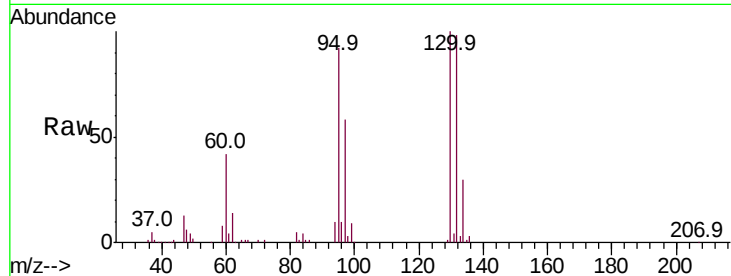
Ion Ratio Lower Upper

95 100

97 63.4 45.5 84.5

132 106.0 74.9 139.1

130 108.7 80.0 148.6

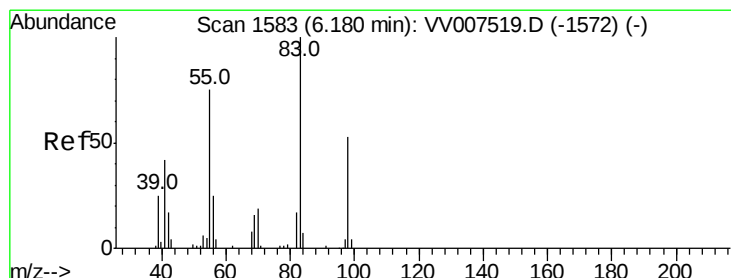
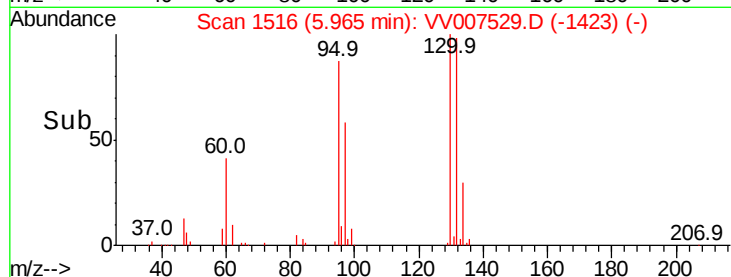
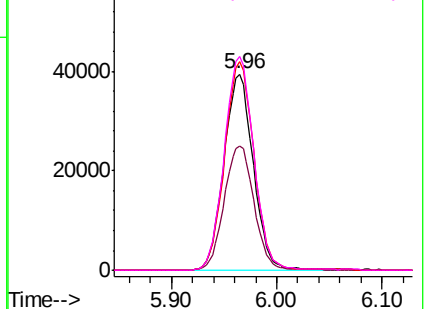


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 0.786 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

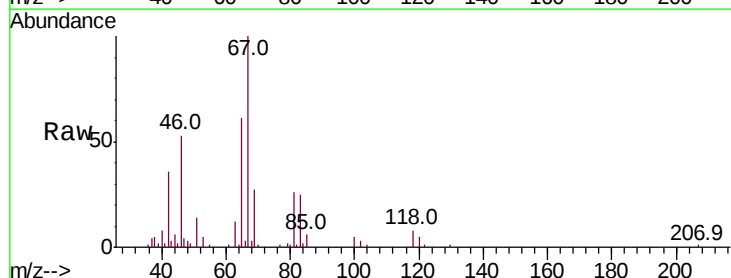
Tgt Ion: 83 Resp: 9010

Ion Ratio Lower Upper

83 100

55 1.8 55.0 82.4#

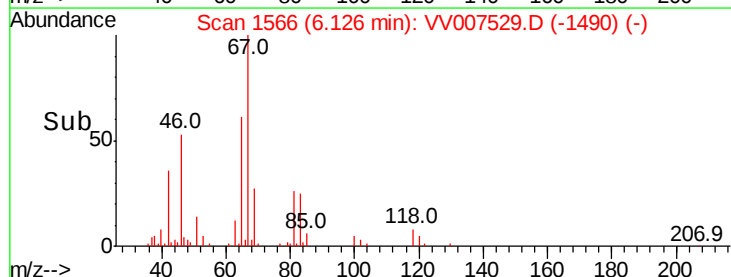
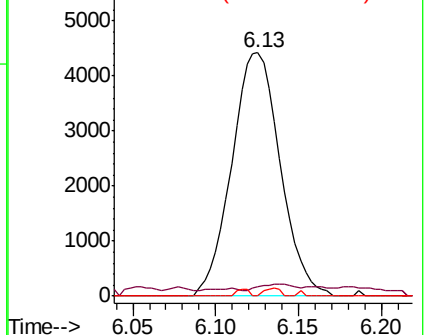
98 1.1 37.6 56.4#

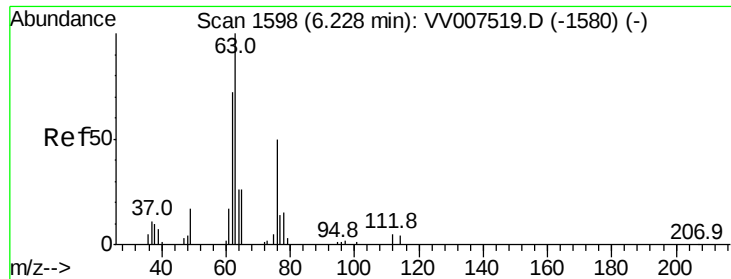


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.725 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

Instrument :

MSVOA_V

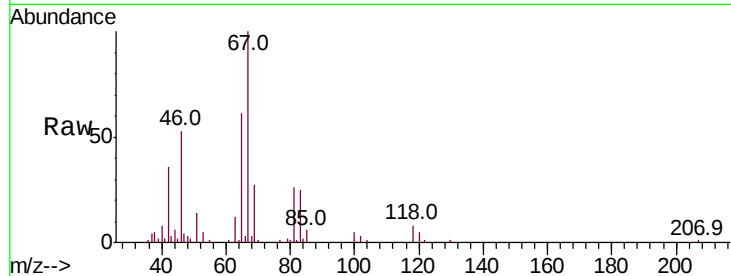
ClientSampleId :

Tot Ion: 63 Resp: 4324

Ion Ratio Lower Upper

63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV007519.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV007519.D (-1580) (-)

2500

2000

1500

1000

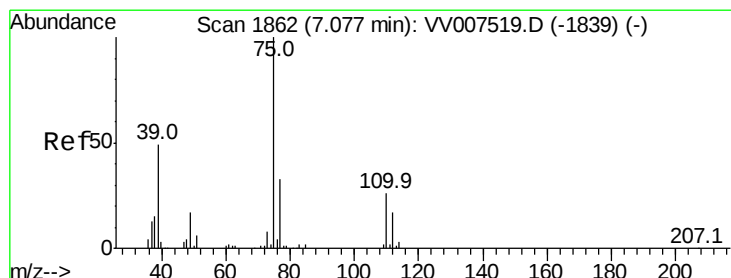
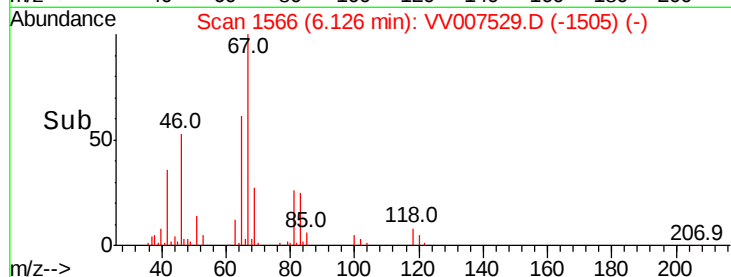
500

0

6.05 6.10 6.15 6.20

6.13

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.138 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007529.D

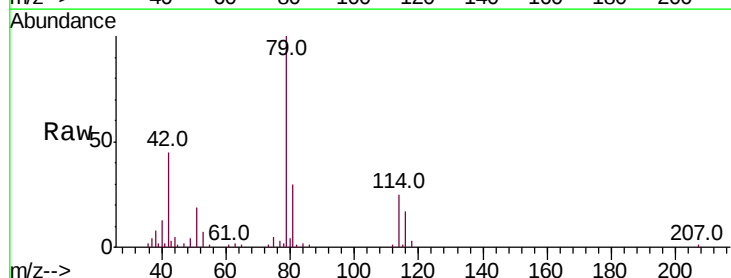
Acq: 14 Sep 2018 00:12

Tgt Ion: 75 Resp: 1307

Ion Ratio Lower Upper

75 100

77 53.7 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV007519.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV007519.D (-1839) (-)

800

600

400

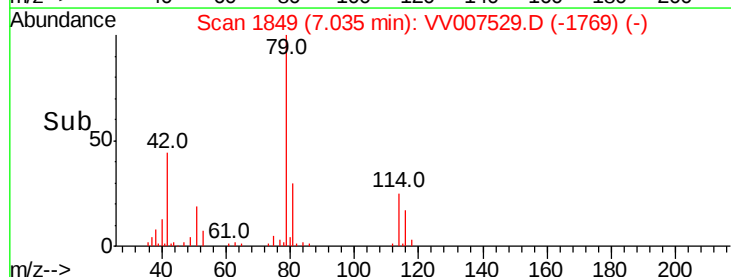
200

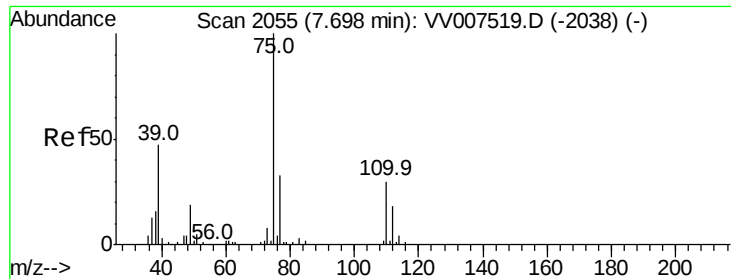
0

7.00 7.05

7.04

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

Instrument :

MSVOA_V

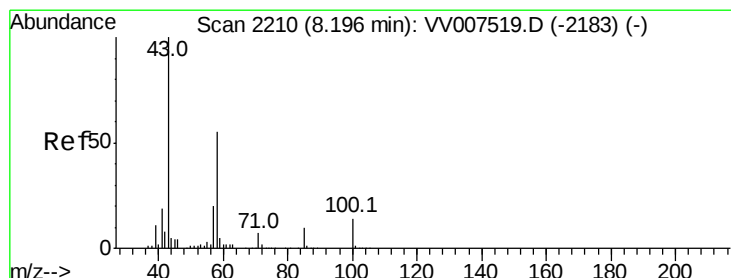
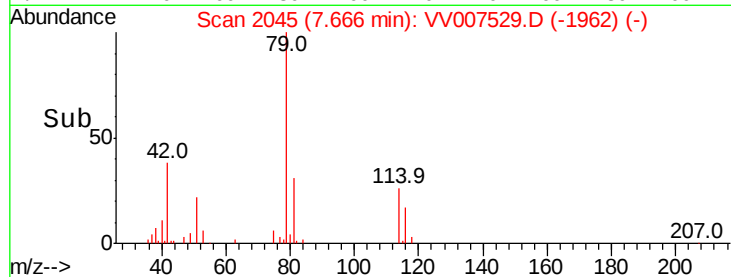
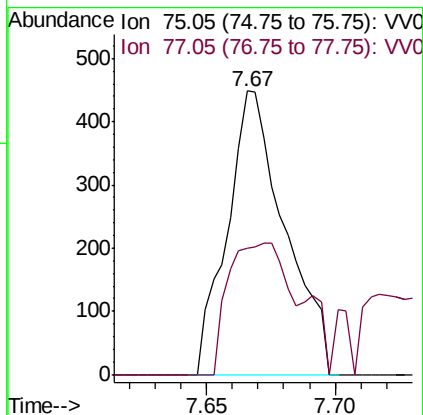
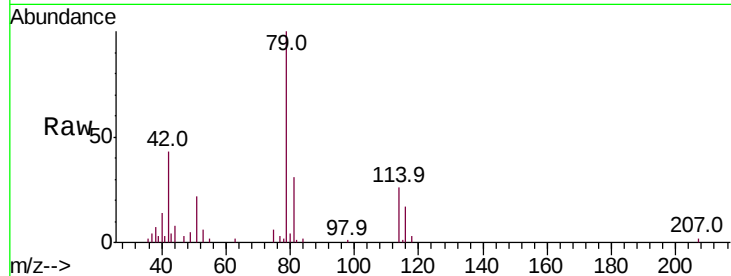
ClientSampled :

Tot Ion: 75 Resp: 698

Ion Ratio Lower Upper

75 100

77 44.6 23.4 43.4#



#48

2-Hexanone

Concen: 1.902 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

Tgt Ion: 43 Resp: 4754

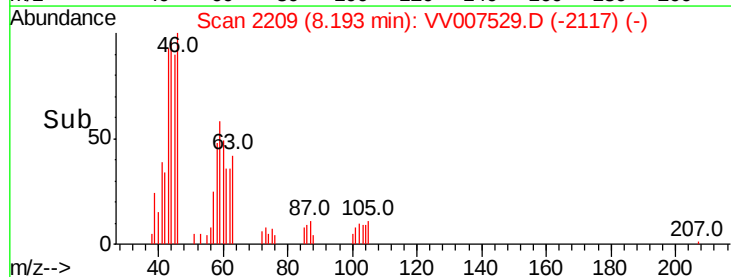
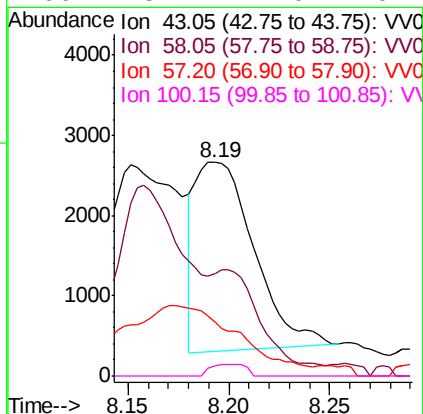
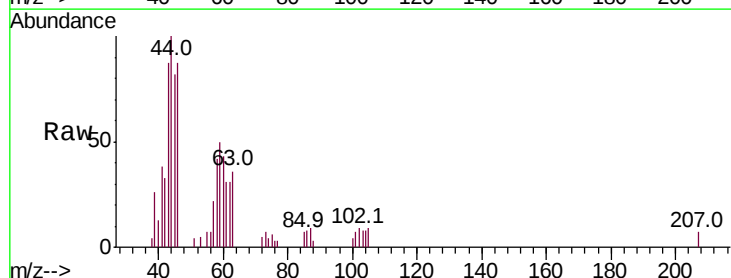
Ion Ratio Lower Upper

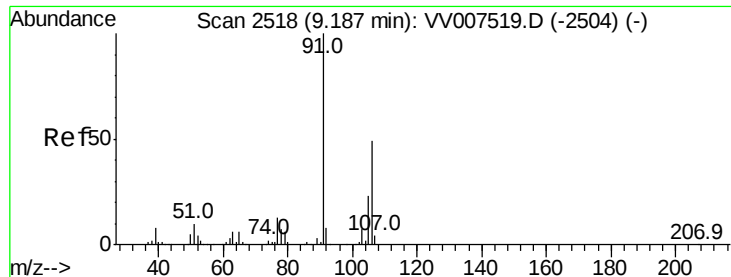
43 100

58 0.0 49.8 74.6#

57 3.1 18.2 27.4#

100 3.7 11.0 16.4#





#53

m,p-xylene

Concen: 0.272 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

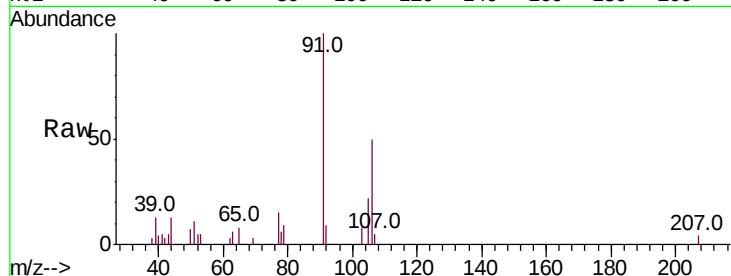
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 3321

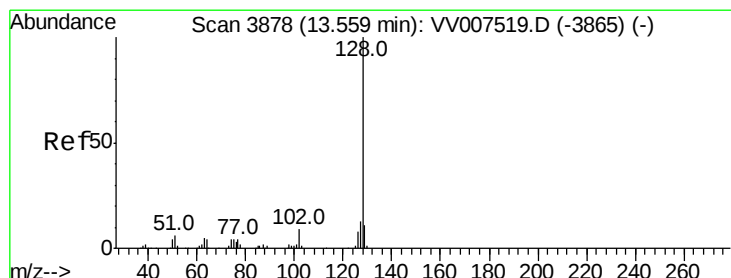
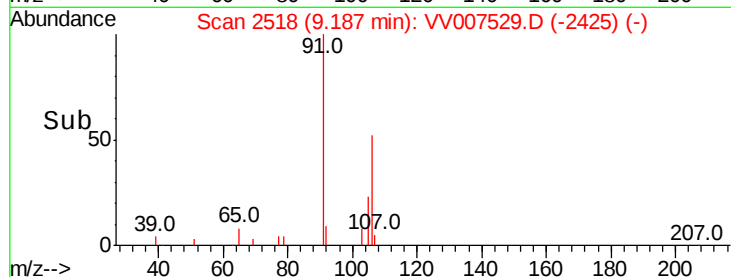
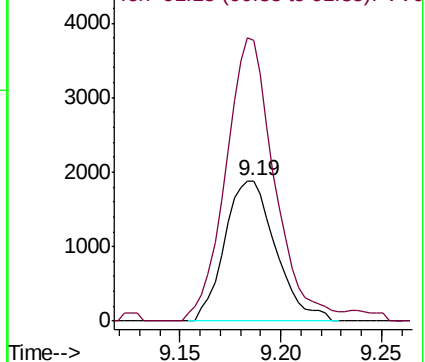
Ion Ratio Lower Upper

106 100

91 199.6 137.2 254.8



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.173 ug/L

RT: 13.57 min Scan# 3880

Delta R.T. 0.01 min

Lab File: VV007529.D

Acq: 14 Sep 2018 00:12

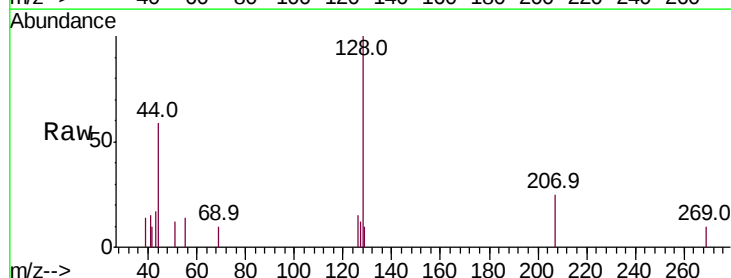
Tgt Ion:128 Resp: 1835

Ion Ratio Lower Upper

128 100

129 2.2 8.5 12.7#

127 9.7 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

