

Data File : VV009083.D
Acq On : 20 Dec 2018 14:32
Operator : SY/MD
Sample : J6468-06
Misc : 4.96 G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JG4

Quant Time: Dec 21 00:28:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 00:25:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	164152	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	104218	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	23351	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35117	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
7) Chloroethane-d5	1.58	69	39414	31.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.64%
10) 1,1-Dichloroethene-d2	2.13	63	65443	15.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.64%
20) 2-Butanone-d5	3.94	46	25860	41.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.62%
24) Chloroform-d	4.40	84	104026	26.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.44%
26) 1,2-Dichloroethane-d4	5.08	65	56345	26.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.64%
29) Benzene-d6	5.10	84	184664	31.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	126.92%
33) 1,2-Dichloropropane-d6	6.12	67	62161	38.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	152.60%#
37) Toluene-d8	7.36	98	138136	25.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.56%
38) trans-1,3-Dichloropropene-	7.67	79	14953	20.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.56%
39) 2-Hexanone-d5	8.14	63	14932	50.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.04%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	37206	27.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.88%
61) 1,2-Dichlorobenzene-d4	11.68	152	22494	25.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.68%

Target Compounds

					Qvalue
13) Acetone	2.20	43	12809	14.057 ug/L	97
14) Carbon disulfide	2.32	76	3644	0.536 ug/L	97
16) Methylene chloride	2.53	84	7627	2.759 ug/L	98
21) 2-Butanone	4.03	43	3495	4.092 ug/L #	53
25) Chloroform	4.42	83	3348	0.842 ug/L #	55
35) Trichloroethene	5.96	95	3480	1.849 ug/L	94
36) Methylcyclohexane	6.12	83	15942	5.310 ug/L #	20
42) cis-1,3-Dichloropropene	7.03	75	1160	0.529 ug/L #	72
43) 4-Methyl-2-pentanone	7.28	43	959	0.947 ug/L #	60
49) 2-Hexanone	8.19	43	2760	3.294 ug/L #	85
63) 1,3-Dichlorobenzene	11.23	146	506	0.336 ug/L #	71
64) 1,4-Dichlorobenzene	11.32	146	756	0.488 ug/L	92
65) 1,2-Dichlorobenzene	11.69	146	587	0.423 ug/L #	54
67) 1,3,5-Trichlorobenzene	12.70	180	463	0.426 ug/L #	65
68) 1,2,4-trichlorobenzene	13.31	180	455	0.597 ug/L	97
69) Naphthalene	13.56	128	1222	0.932 ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	442	0.628 ug/L #	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV122018\
Quantitation Report (Not Reviewed)

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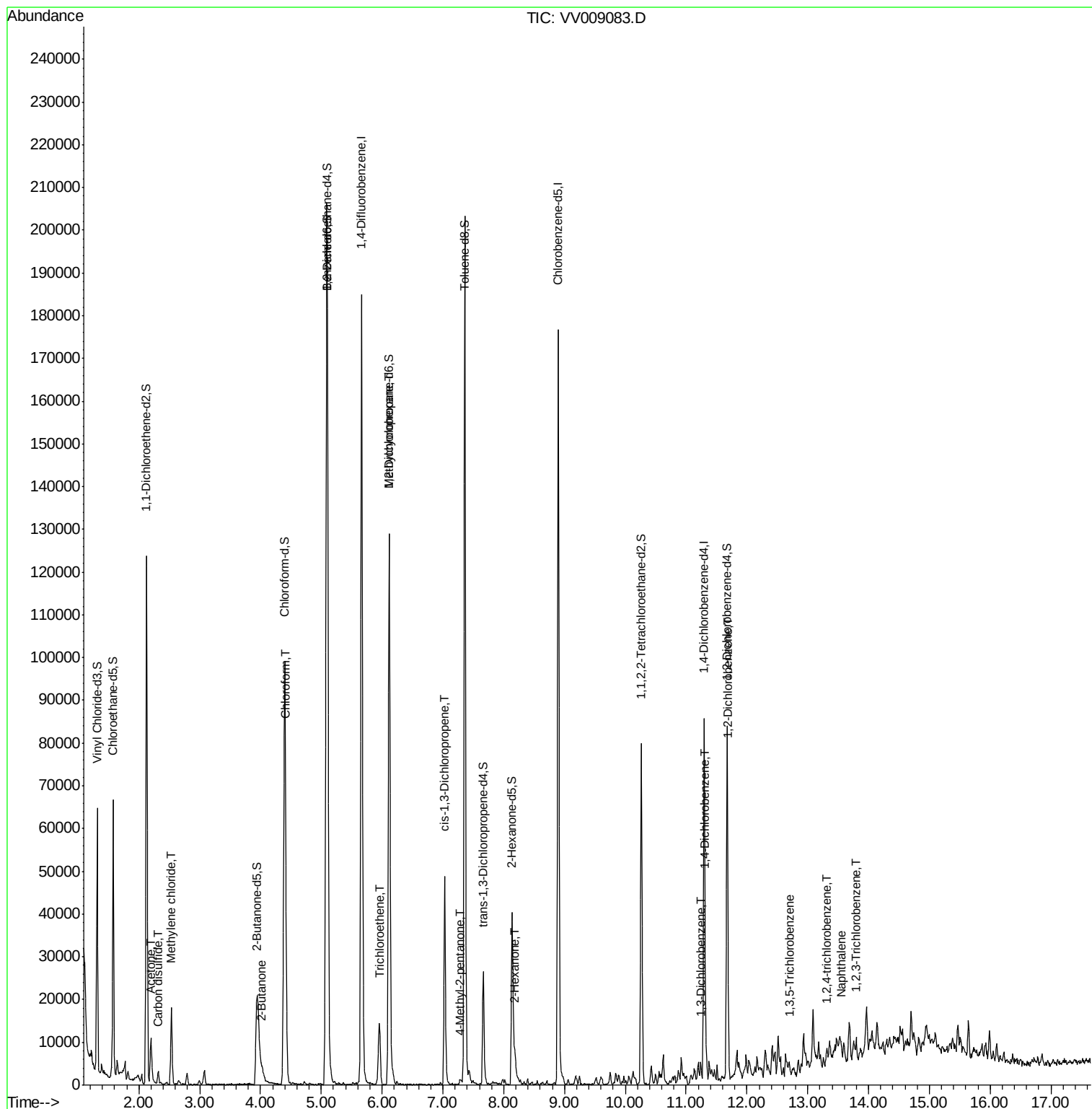
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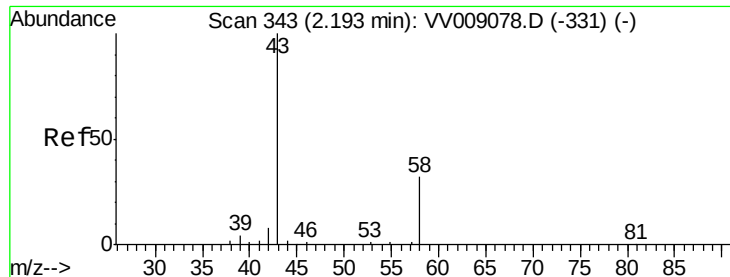
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 14.057 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV009083.D

Acq: 20 Dec 2018 14:32

Instrument :

MSVOA_V

ClientSampleId :

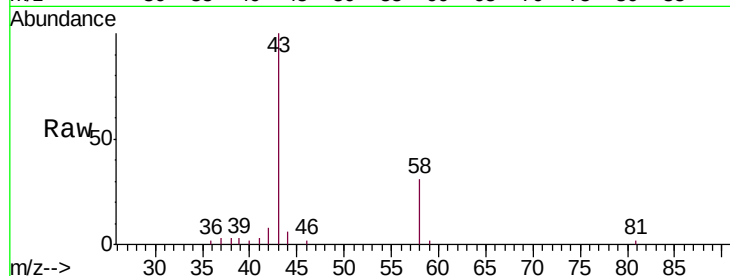
C0JG4

Tgt Ion: 43 Resp: 12809

Ion Ratio Lower Upper

43 100

58 31.2 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009078.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009078.D (-331) (-)

2.20

6000

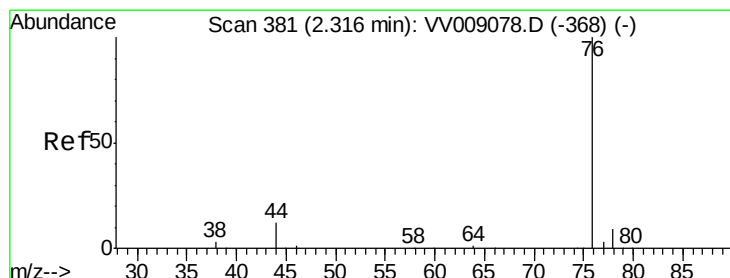
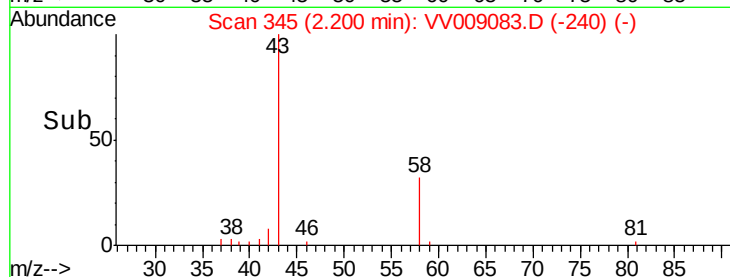
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.536 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009083.D

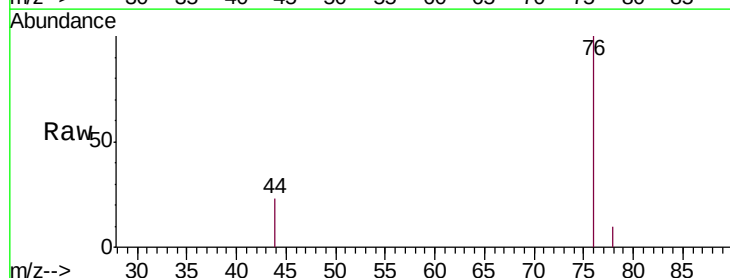
Acq: 20 Dec 2018 14:32

Tgt Ion: 76 Resp: 3644

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV009078.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV009078.D (-368) (-)

2.32

2500

2000

1500

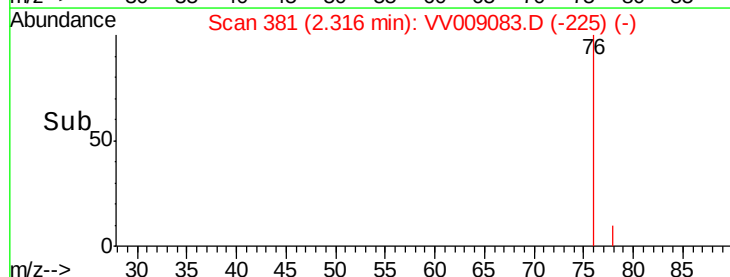
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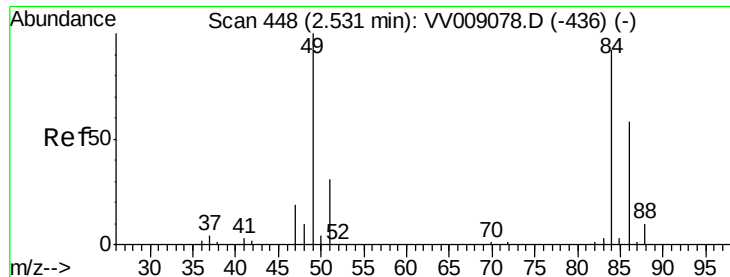
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0

Time-->

2.30 2.35

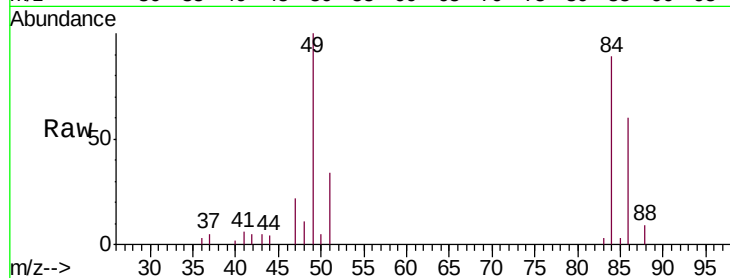




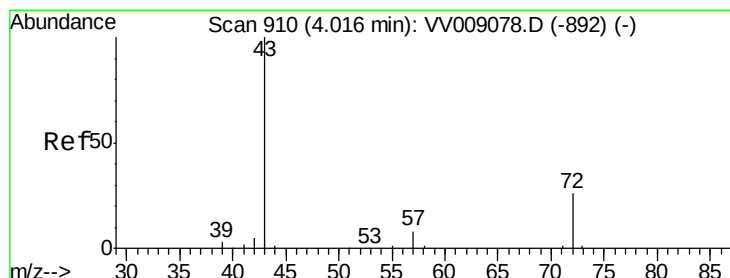
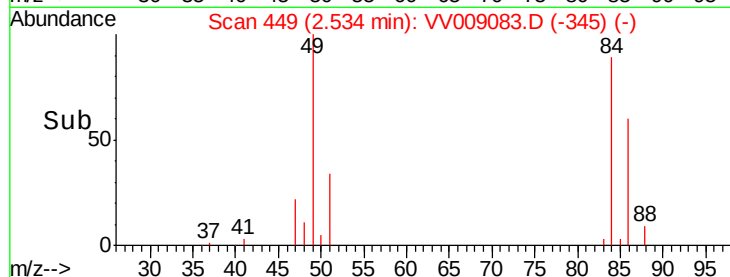
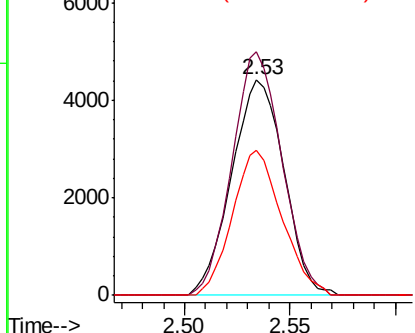
#16
Methylene chloride
Concen: 2.759 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009083.D
Acq: 20 Dec 2018 14:32

Instrument :
MSVOA_V
ClientSampleId :
C0JG4

Tgt Ion: 84 Resp: 7627
Ion Ratio Lower Upper
84 100
49 112.8 80.5 149.5
86 67.1 45.5 84.5

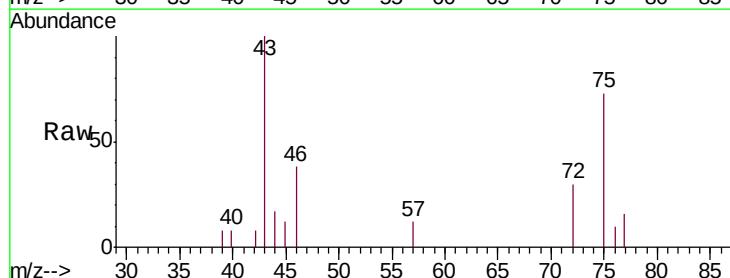


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

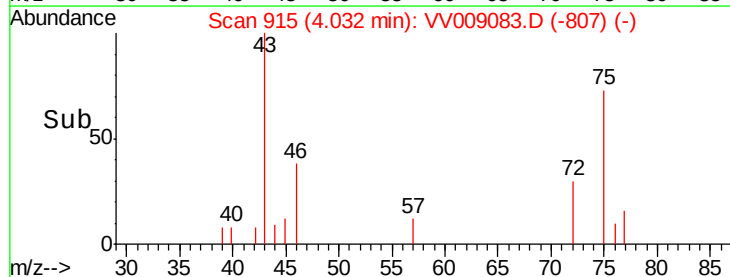
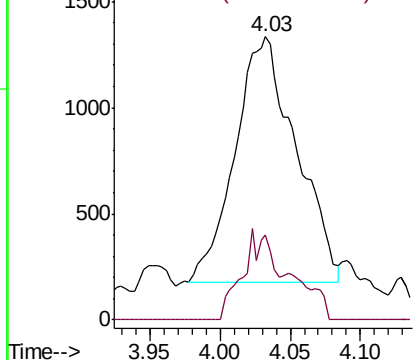


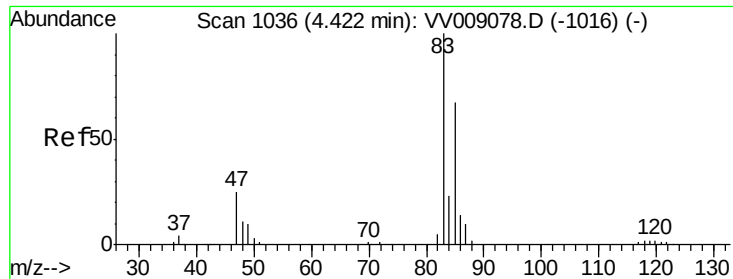
#21
2-Butanone
Concen: 4.092 ug/L
RT: 4.03 min Scan# 915
Delta R.T. 0.02 min
Lab File: VV009083.D
Acq: 20 Dec 2018 14:32

Tgt Ion: 43 Resp: 3495
Ion Ratio Lower Upper
43 100
72 3.0 13.7 41.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0

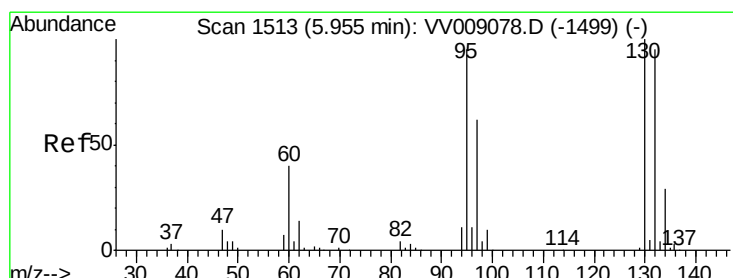
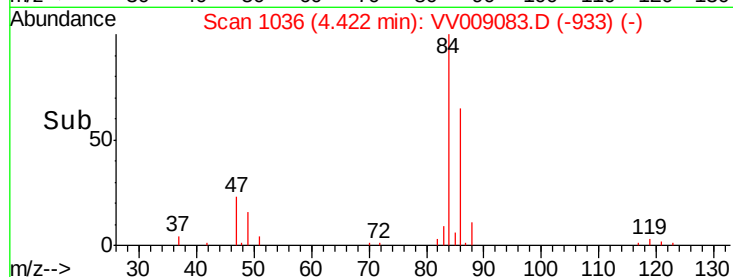
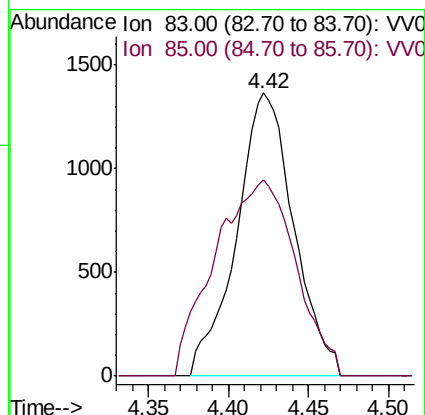
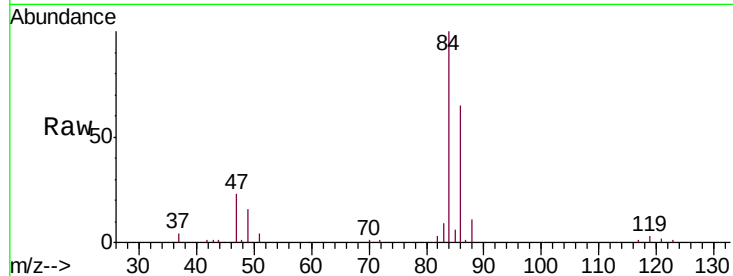




#25
Chloroform
Concen: 0.842 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV009083.D
Acq: 20 Dec 2018 14:32

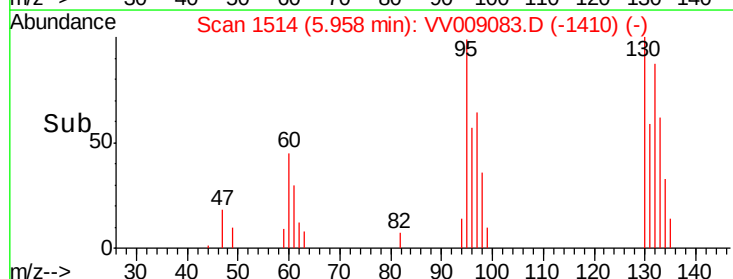
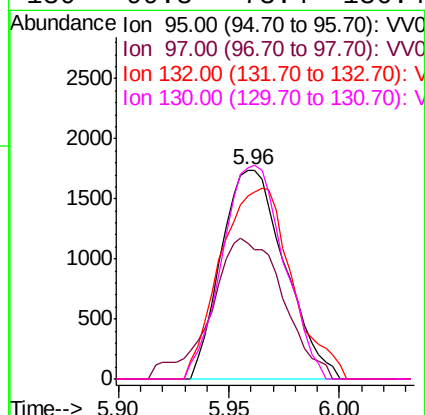
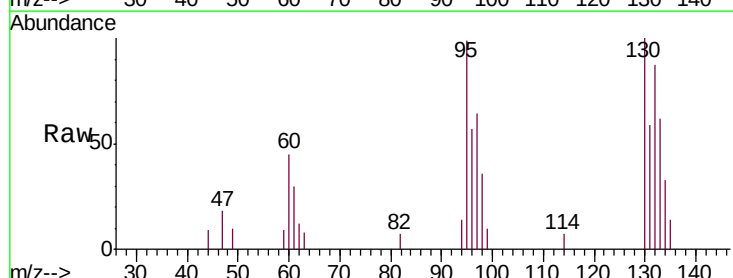
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MSVOA_V
ClientSampleId :
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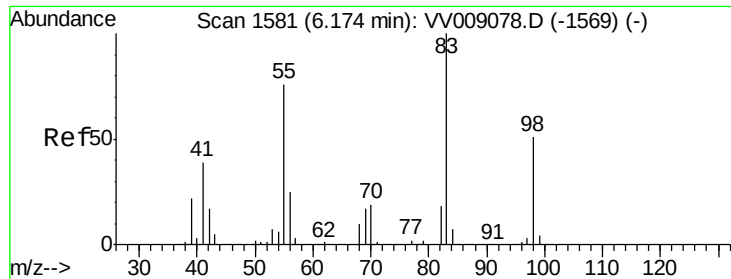
Tgt Ion: 83 Resp: 3348
Ion Ratio Lower Upper
83 100
85 30.0 45.6 84.8#



#35
Trichloroethene
Concen: 1.849 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV009083.D
Acq: 20 Dec 2018 14:32

Tgt Ion: 95 Resp: 3480
Ion Ratio Lower Upper
95 100
97 73.6 45.3 84.1
132 102.1 70.0 130.0
130 99.3 73.4 136.4

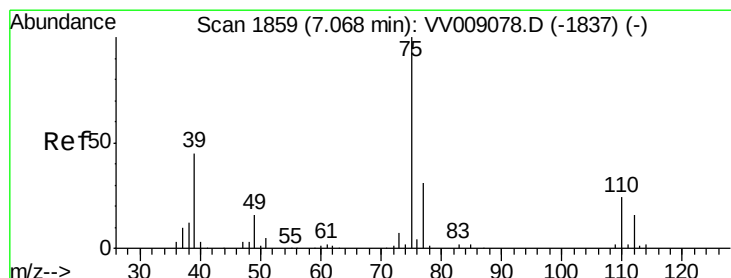
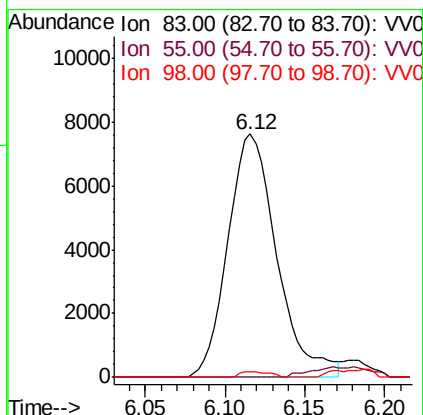
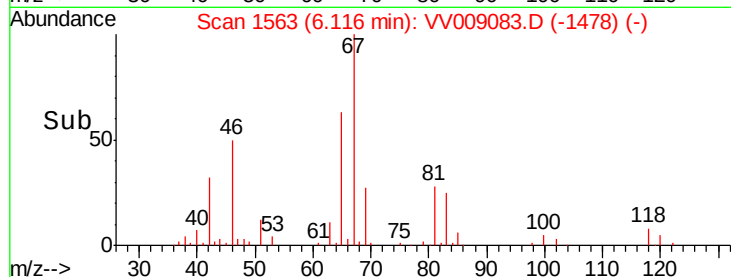
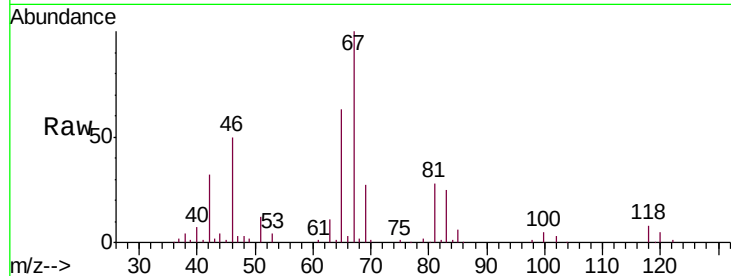




#36
Methylcyclohexane
Concen: 5.310 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009083.D
Acq: 20 Dec 2018 14:32

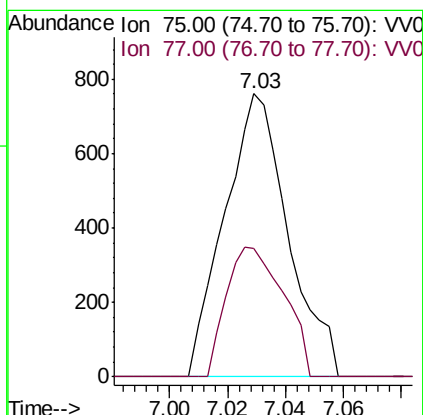
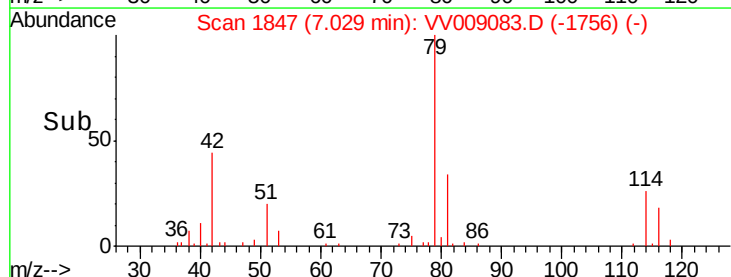
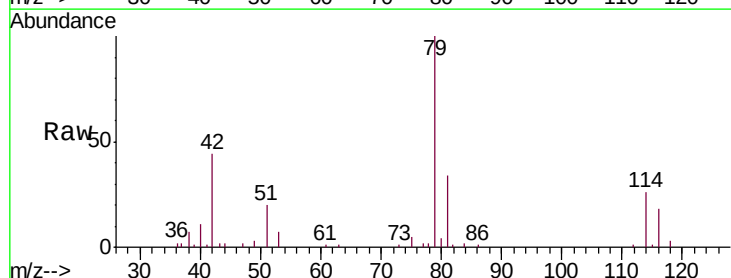
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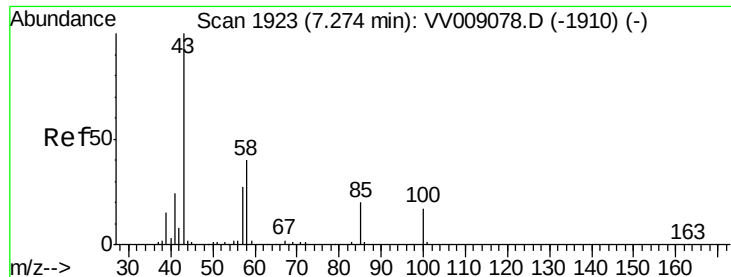
Tgt Ion: 83 Resp: 15942
Ion Ratio Lower Upper
83 100
55 0.0 58.2 87.2#
98 1.3 37.8 56.8#



#42
cis-1,3-Dichloropropene
Concen: 0.529 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV009083.D
Acq: 20 Dec 2018 14:32

Tgt Ion: 75 Resp: 1160
Ion Ratio Lower Upper
75 100
77 45.6 21.3 39.6#

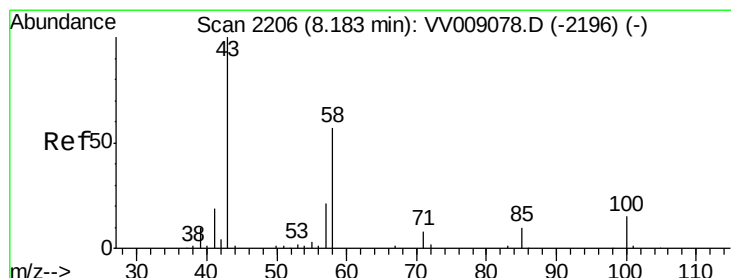
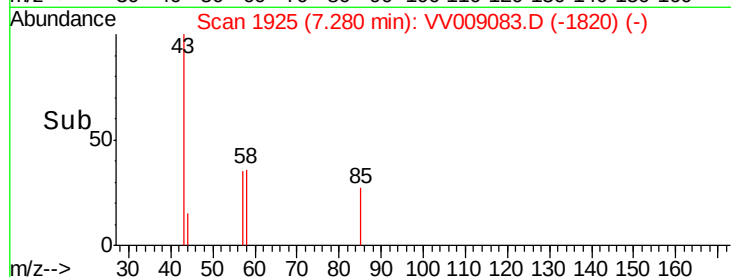
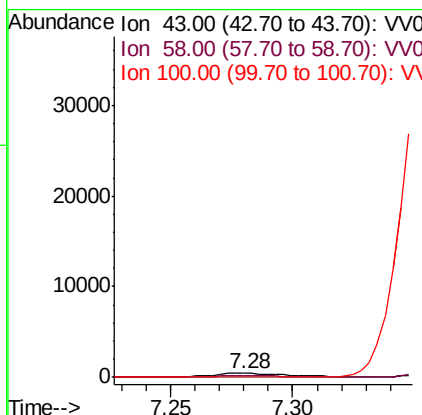
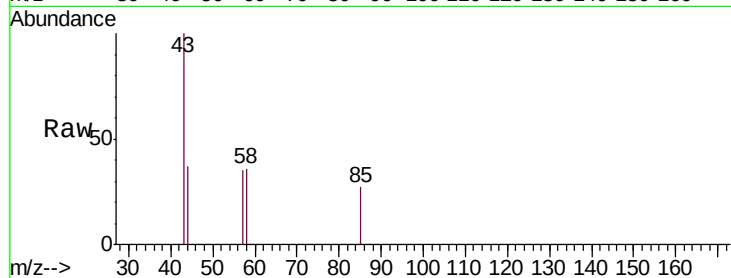




#43
4-Methyl-2-pentanone
Concen: 0.947 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV009083.D
Acq: 20 Dec 2018 14:32

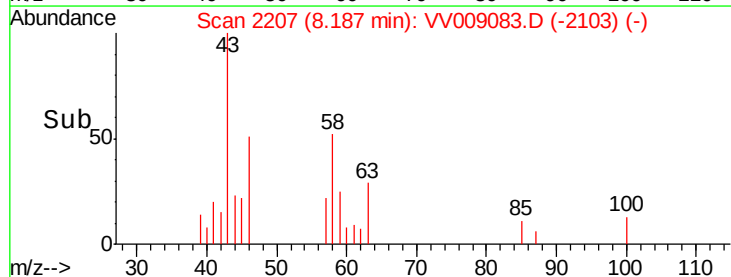
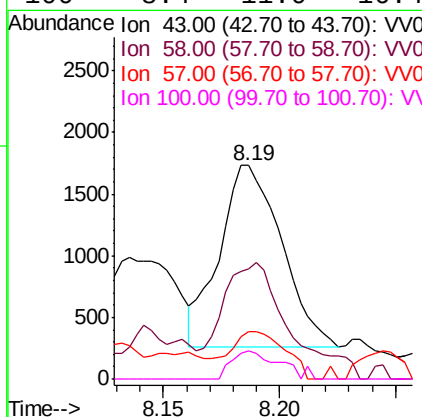
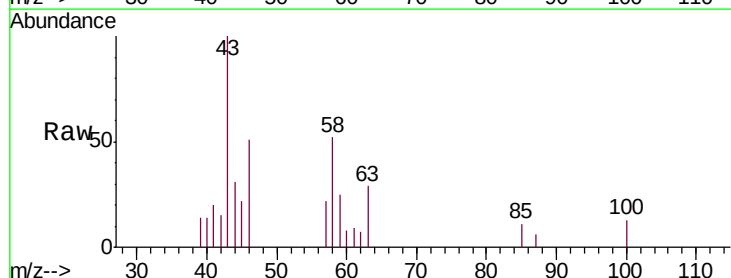
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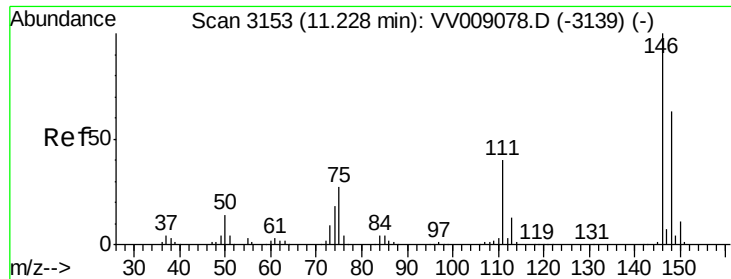
Tgt Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
58 15.6 32.2 48.4#
100 0.0 13.8 20.8#



#49
2-Hexanone
Concen: 3.294 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009083.D
Acq: 20 Dec 2018 14:32

Tgt Ion: 43 Resp: 2760
Ion Ratio Lower Upper
43 100
58 69.3 43.9 65.9#
57 21.6 15.7 23.5
100 8.4 11.0 16.4#

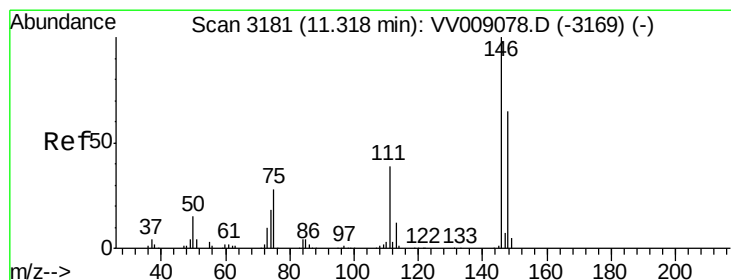
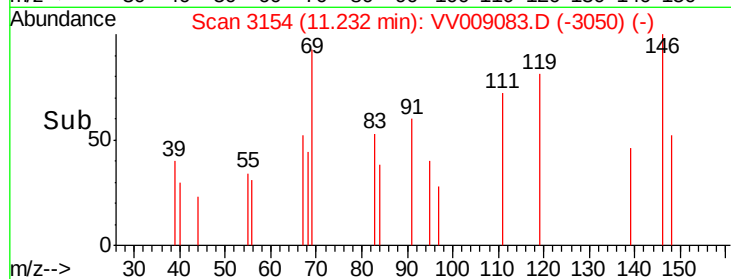
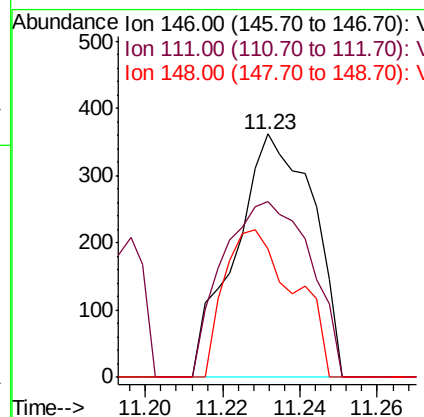
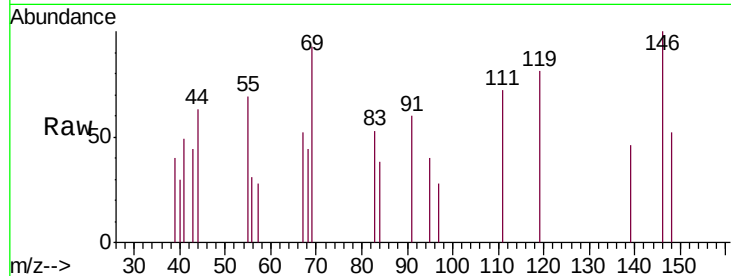




#63
 1,3-Dichlorobenzene
 Concen: 0.336 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV009083.D
 Acq: 20 Dec 2018 14:32

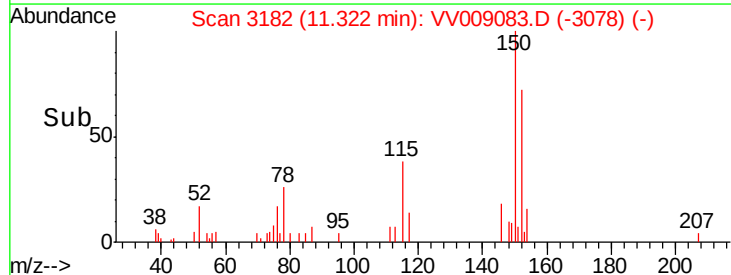
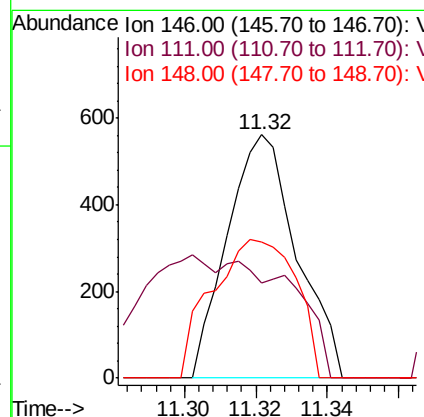
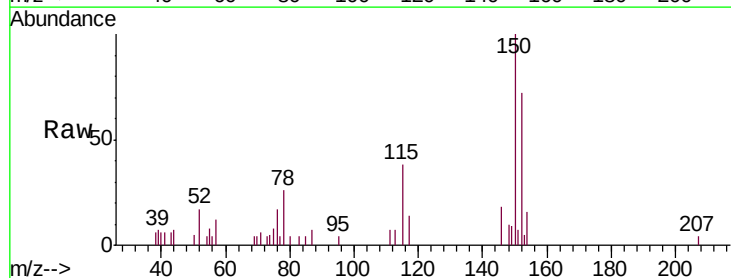
Instrument :
 MSVOA_V
 ClientSampled :
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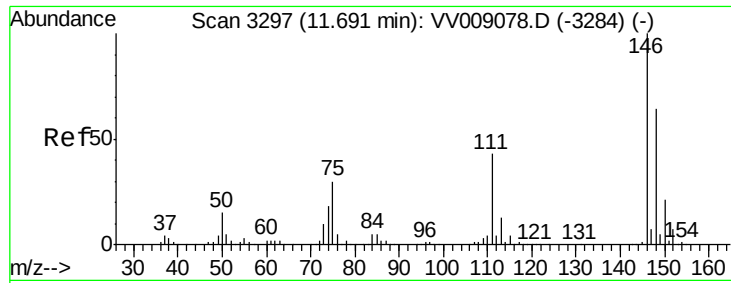
Tgt Ion:146 Resp: 506
 Ion Ratio Lower Upper
 146 100
 111 72.4 27.5 51.1#
 148 52.5 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 0.488 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009083.D
 Acq: 20 Dec 2018 14:32

Tgt Ion:146 Resp: 756
 Ion Ratio Lower Upper
 146 100
 111 39.1 26.8 49.8
 148 56.0 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 0.423 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009083.D

Acq: 20 Dec 2018 14:32

Instrument :

MSVOA_V

ClientSampled :

C0JG4

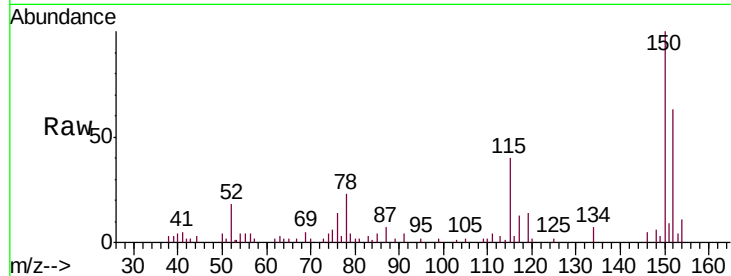
Tgt Ion:146 Resp: 587

Ion Ratio Lower Upper

146 100

111 72.3 34.2 51.4#

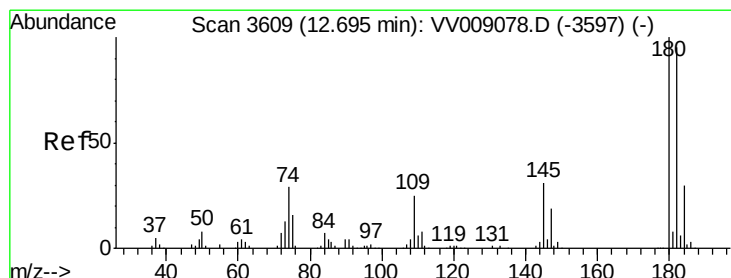
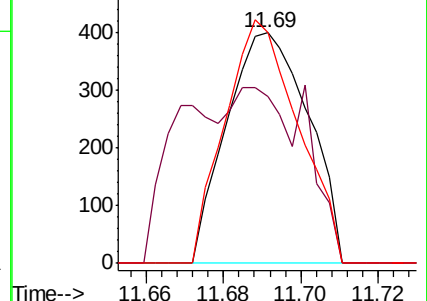
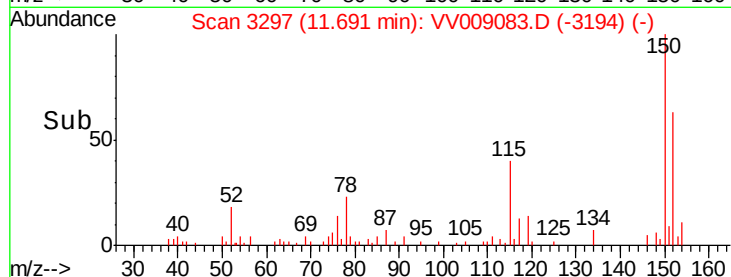
148 100.3 51.0 76.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.426 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VV009083.D

Acq: 20 Dec 2018 14:32

Tgt Ion:180 Resp: 463

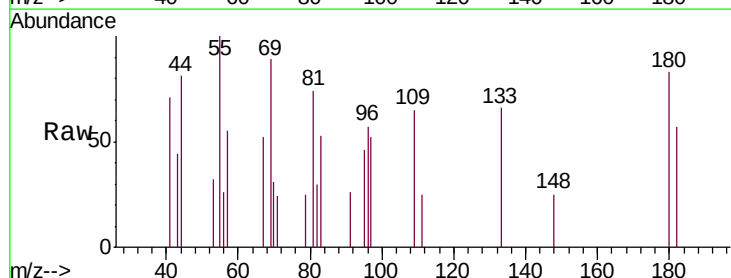
Ion Ratio Lower Upper

180 100

182 74.1 75.9 113.9#

184 0.0 23.8 35.6#

145 0.0 24.2 36.4#

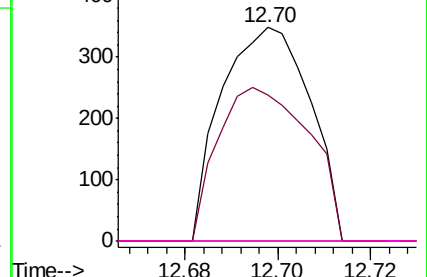
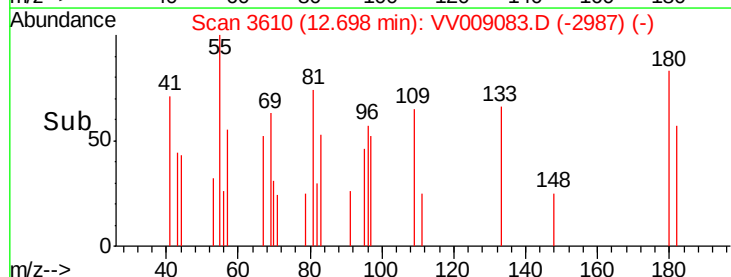


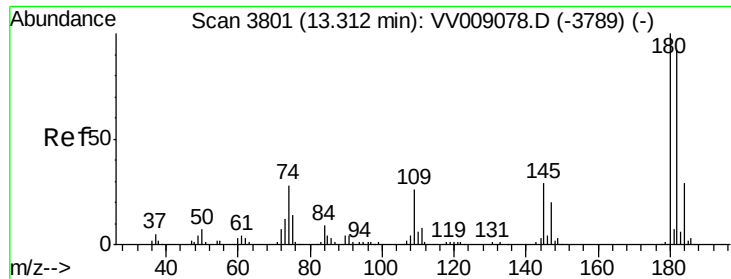
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

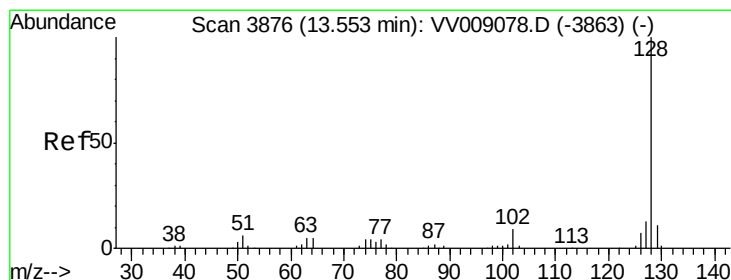
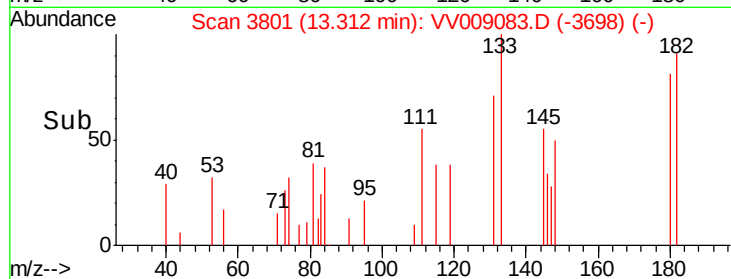
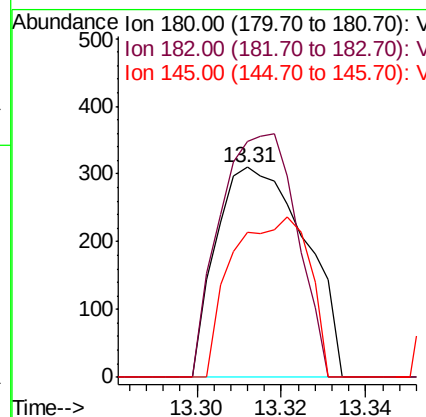
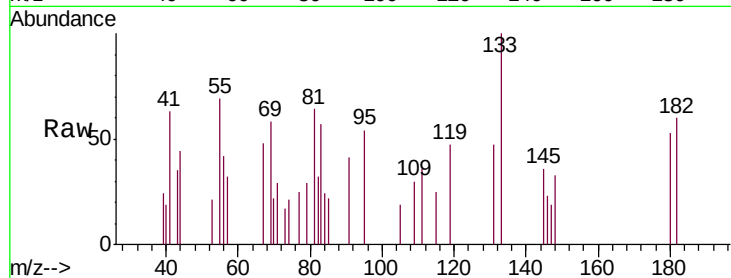




#68
 1,2,4-trichlorobenzene
 Concen: 0.597 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009083.D
 Acq: 20 Dec 2018 14:32

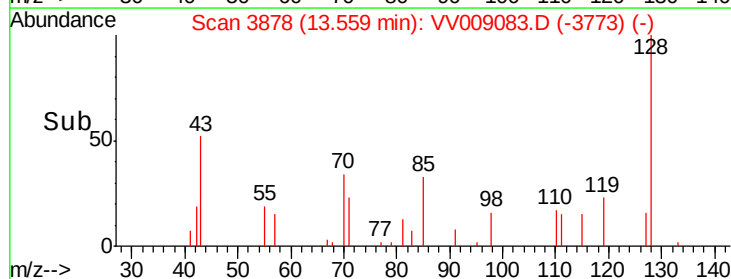
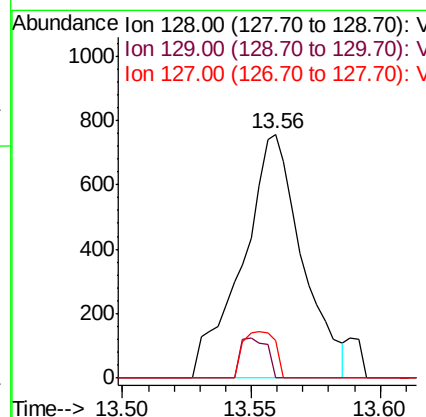
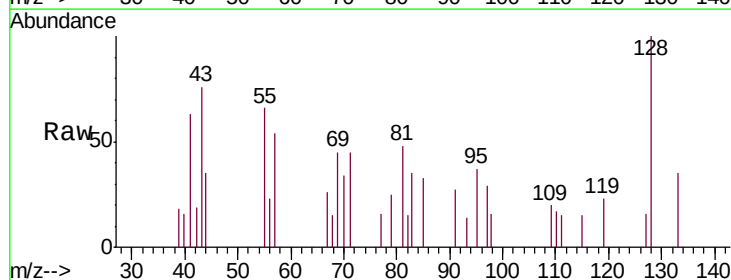
Instrument :
 MSVOA_V
 ClientSampleId :
 C0JG4

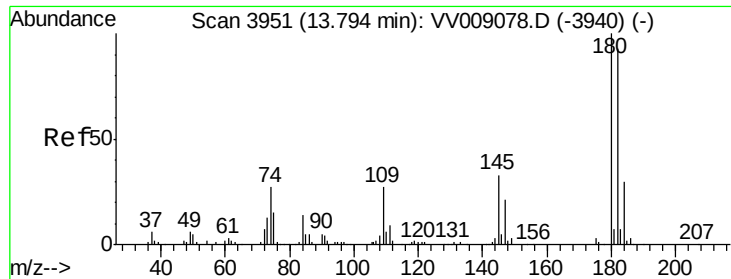
Tgt Ion:180 Resp: 455
 Ion Ratio Lower Upper
 180 100
 182 100.0 77.4 116.0
 145 31.6 25.6 38.4



#69
 Naphthalene
 Concen: 0.932 ug/L
 RT: 13.56 min Scan# 3878
 Delta R.T. 0.01 min
 Lab File: VV009083.D
 Acq: 20 Dec 2018 14:32

Tgt Ion:128 Resp: 1222
 Ion Ratio Lower Upper
 128 100
 129 7.2 8.6 13.0#
 127 10.3 10.0 15.0





#70
 1,2,3-Trichlorobenzene
 Concen: 0.628 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV009083.D
 Acq: 20 Dec 2018 14:32

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JG4

Tgt Ion:180 Resp: 442
 Ion Ratio Lower Upper
 180 100
 182 88.7 76.1 114.1
 145 61.1 26.7 40.1#

