

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008866.D
 Acq On : 06 Dec 2018 20:08
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:27 PM

Quant Time: Dec 07 01:51:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 01:37:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	196851	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	177413	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74236	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51843	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	39717	26.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.56%
10) 1,1-Dichloroethene-d2	2.13	63	96796	19.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.04%
20) 2-Butanone-d5	3.93	46	42546	57.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.74%
24) Chloroform-d	4.40	84	113429	23.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	5.08	65	65957	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.16%
29) Benzene-d6	5.10	84	235367	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	6.12	67	68103	24.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.20%
37) Toluene-d8	7.36	98	212895	23.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.88%
38) trans-1,3-Dichloropropene-	7.67	79	27641	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.72%
39) 2-Hexanone-d5	8.13	63	27492	54.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57193	24.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	68019	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3754	1.163 ug/L	100
3) Chloromethane	1.25	50	2659	1.199 ug/L	98
5) Vinyl chloride	1.32	62	2915	1.178 ug/L #	51
6) Bromomethane	1.53	94	1724	1.449 ug/L	92
8) Chloroethane	1.59	64	1742	1.256 ug/L	94
9) Trichlorofluoromethane	1.77	101	5464	1.289 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4138	1.423 ug/L #	80
12) 1,1-Dichloroethene	2.14	96	3206	1.263 ug/L #	1
13) Acetone	2.20	43	3605	3.299 ug/L	89
14) Carbon disulfide	2.32	76	8585	1.054 ug/L	95
15) Methyl Acetate	2.46	43	1638	1.182 ug/L #	87
16) Methylene chloride	2.54	84	9535	2.876 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	6586	1.142 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	2820	1.028 ug/L	87
19) 1,1-Dichloroethane	3.23	63	4820m	1.084 ug/L	
21) 2-Butanone	4.04	43	1608	1.570 ug/L #	56
22) cis-1,2-Dichloroethene	3.96	96	3014m	1.054 ug/L	

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

23) Bromochloromethane	4.31	128	1548	1.149	ug/L #	81
25) Chloroform	4.43	83	7125	1.494	ug/L	79
27) 1,2-Dichloroethane	5.18	62	3531	1.087	ug/L	98
30) Cyclohexane	4.73	56	4341	0.972	ug/L #	54
31) 1,1,1-Trichloroethane	4.66	97	4671	1.021	ug/L	93
32) Carbon tetrachloride	4.87	117	3933	0.942	ug/L #	52
34) Benzene	5.15	78	11232	1.057	ug/L	100
35) Trichloroethene	5.96	95	3461	1.080	ug/L #	78
36) Methylcyclohexane	6.18	83	5491	1.074	ug/L	98
40) 1,2-Dichloropropane	6.22	63	2793	1.095	ug/L #	85
41) Bromodichloromethane	6.55	83	3185	0.947	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	3623	0.970	ug/L	93
43) 4-Methyl-2-pentanone	7.28	43	5177	3.002	ug/L #	87
44) Toluene	7.43	91	12360	1.109	ug/L	94
45) trans-1,3-Dichloropropene	7.70	75	3680m	1.130	ug/L	
46) 1,1,2-Trichloroethane	7.89	97	2228	1.048	ug/L	95
47) Tetrachloroethene	8.02	164	2526	0.969	ug/L	81
49) 2-Hexanone	8.19	43	5616	3.937	ug/L #	84
50) Dibromochloromethane	8.29	129	2247	0.922	ug/L	89
51) 1,2-Dibromoethane	8.40	107	2254	1.056	ug/L #	89
52) Chlorobenzene	8.93	112	7775	1.071	ug/L	97
53) Ethylbenzene	9.06	91	11768	0.973	ug/L	92
54) m,p-Xylene	9.18	106	4260	0.930	ug/L	87
55) o-xylene	9.59	106	4158	0.977	ug/L	97
56) Styrene	9.61	104	6245	0.910	ug/L	95
57) Isopropylbenzene	9.98	105	11298	0.977	ug/L	94
58) 1,1,2,2-Tetrachloroethane	10.29	83	2985	1.299	ug/L #	91
59) 1,2,3-Trichloropropane	10.32	75	2244	1.129	ug/L	97
62) Bromoform	9.78	173	1285	0.959	ug/L #	88
63) 1,3-Dichlorobenzene	11.23	146	5373	1.123	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	5976	1.214	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	5379	1.220	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	331m	0.916	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3294	0.953	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	1936	0.800	ug/L	98
69) Naphthalene	13.56	128	3196	0.766	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.80	180	1849	0.827	ug/L #	96

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

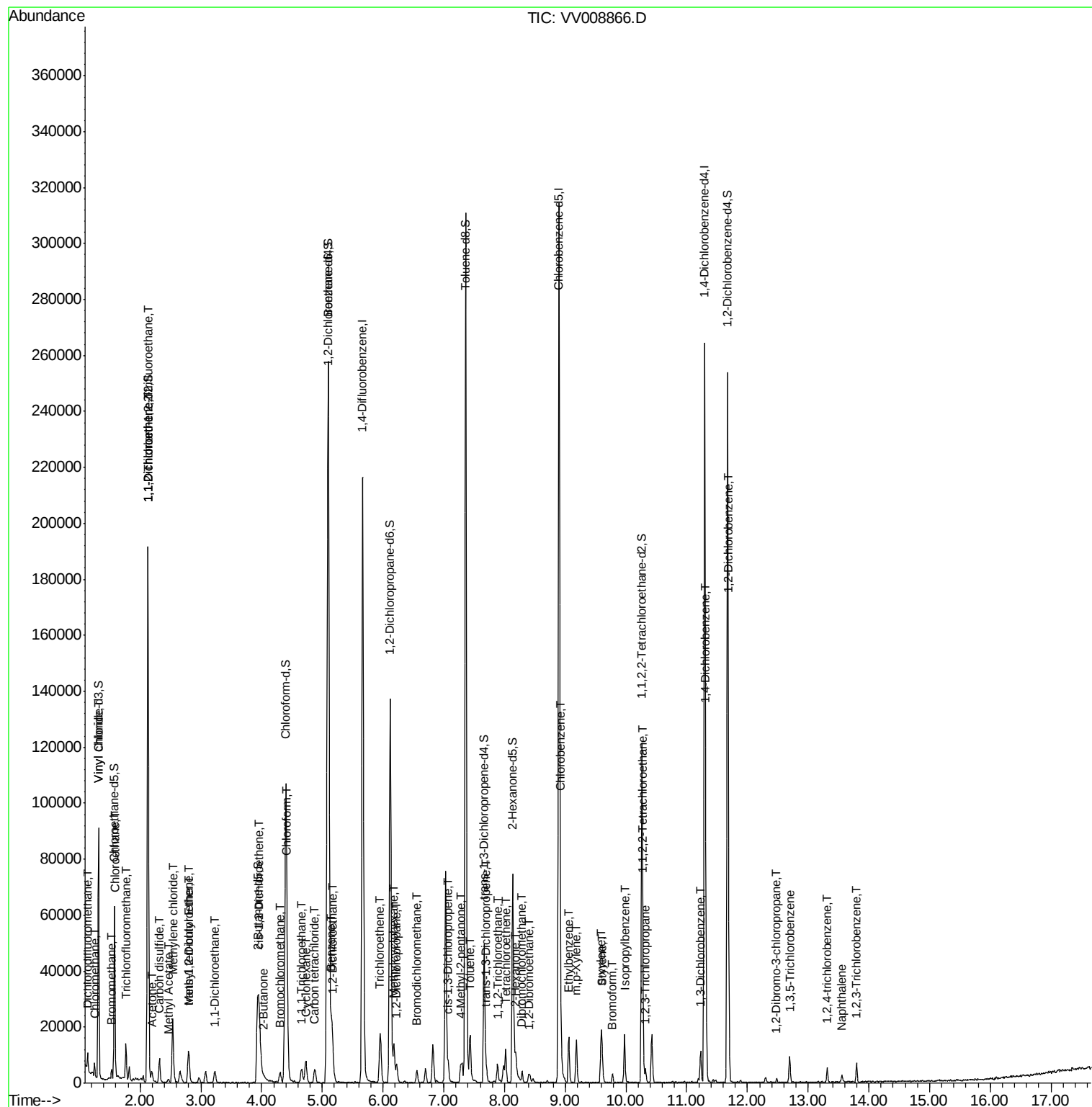
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
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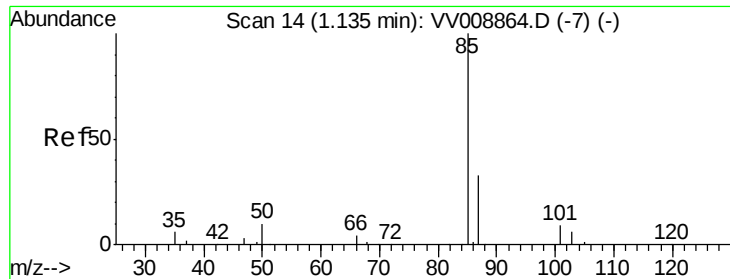
Instrument :
MSVOA_V
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 1.163 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 85 Resp: 3754

Ion Ratio Lower Upper

85 100

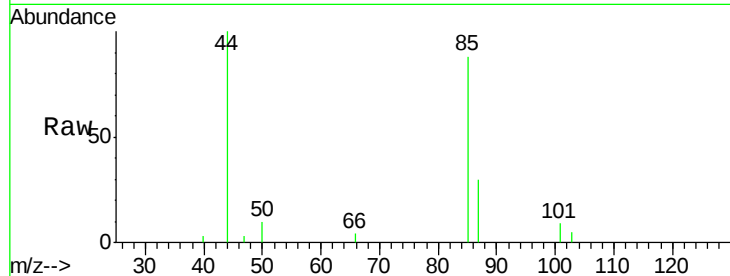
87 31.8 22.4 41.6

Manual Integrations

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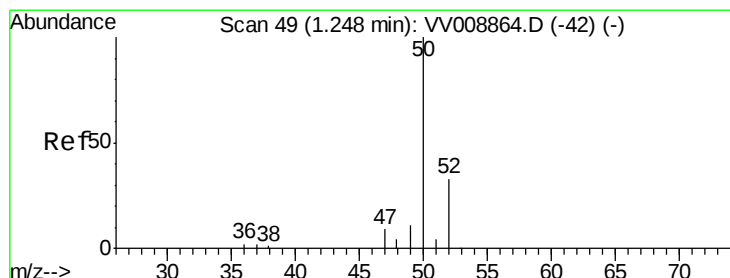
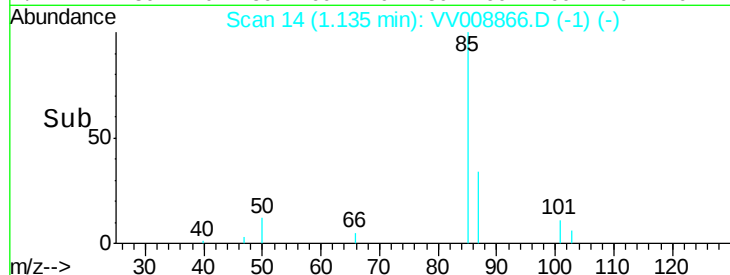
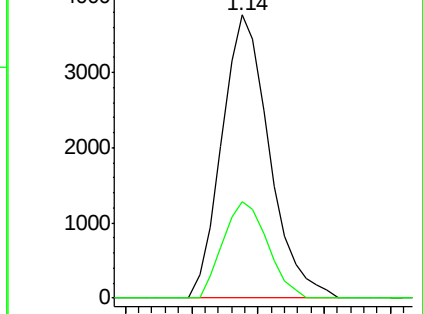
sam

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Abundance Ion 85.00 (84.70 to 85.70): VV008866.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008866.D (-7) (-)



#3

Chloromethane

Concen: 1.199 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008866.D

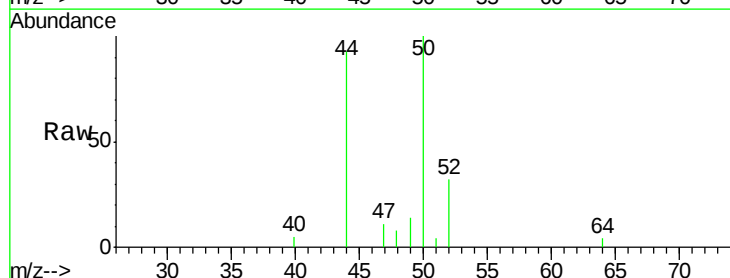
Acq: 06 Dec 2018 20:08

Tgt Ion: 50 Resp: 2659

Ion Ratio Lower Upper

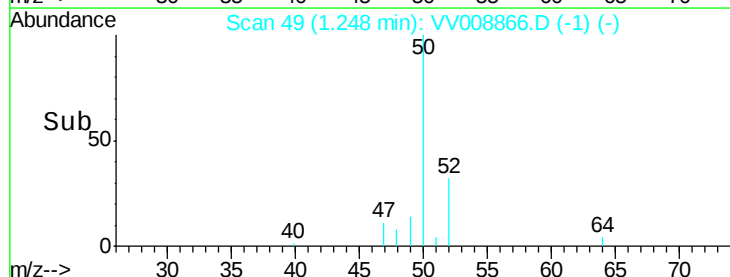
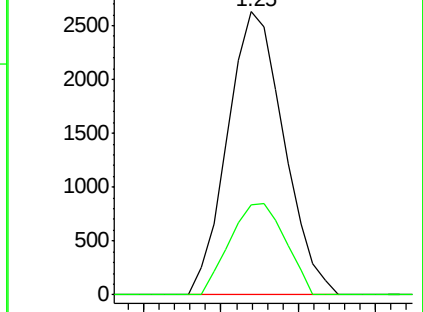
50 100

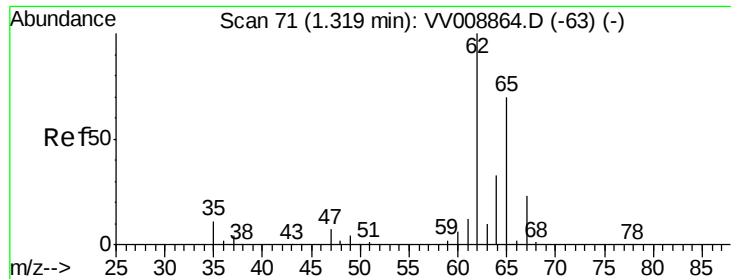
52 32.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008866.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008866.D (-42) (-)





#5

Vinyl chloride

Concen: 1.178 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 62 Resp: 2915

Ion Ratio Lower Upper

62 100

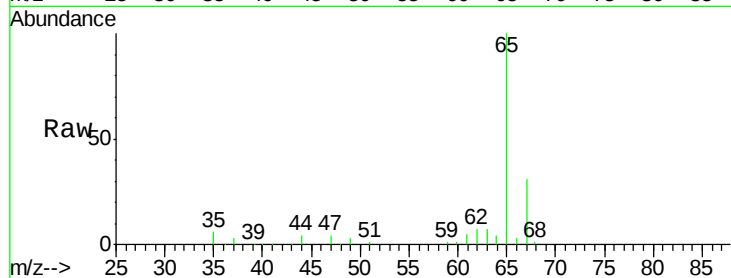
64 61.3 23.3 43.3#

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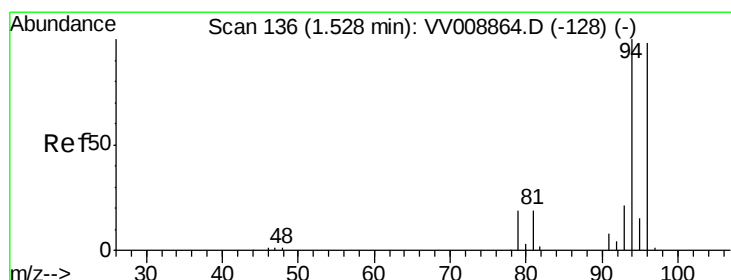
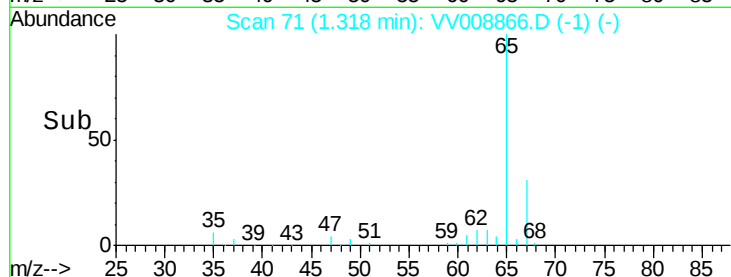
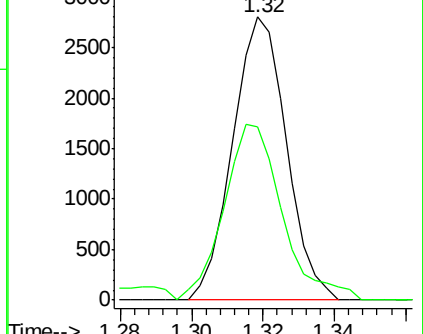
sam

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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 1.449 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008866.D

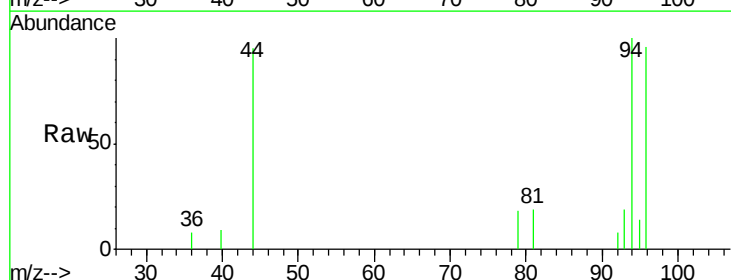
Acq: 06 Dec 2018 20:08

Tgt Ion: 94 Resp: 1724

Ion Ratio Lower Upper

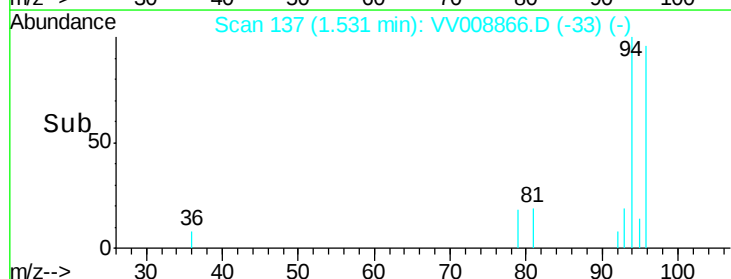
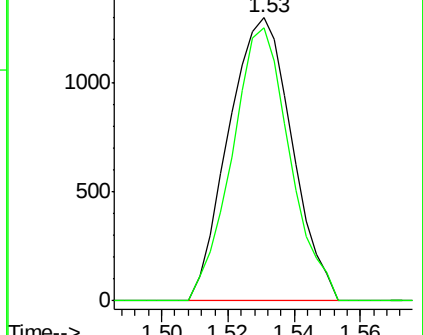
94 100

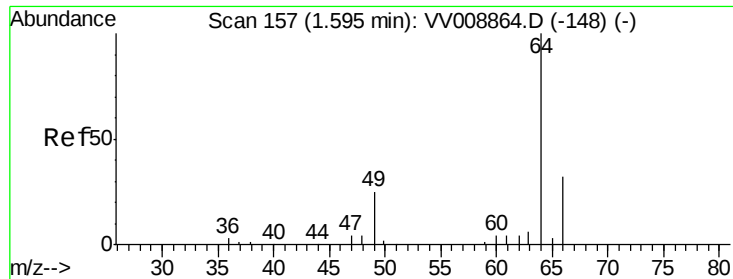
96 87.8 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.256 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 64 Resp: 1742

Ion Ratio Lower Upper

64 100

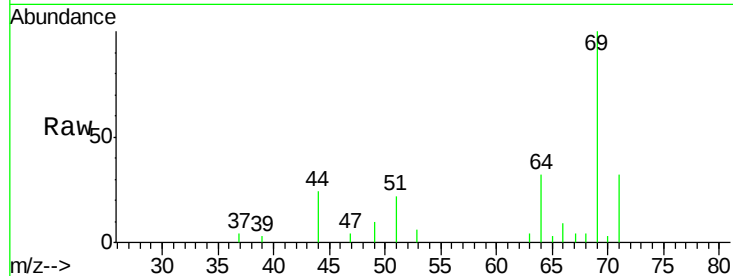
66 28.6 22.2 41.2

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Abundance Ion 64.00 (63.70 to 64.70): VV008864.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV008864.D (-148) (-)

1.59

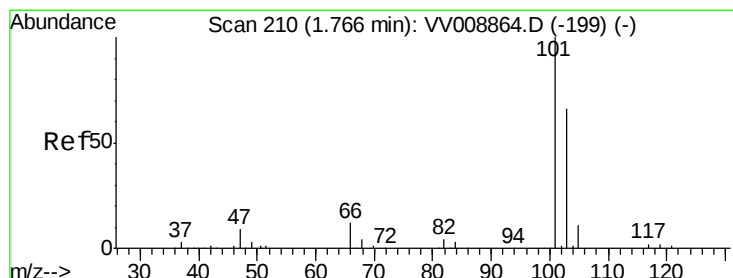
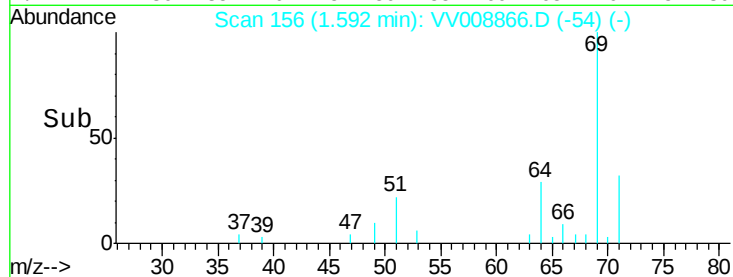
1500

1000

500

0

Time-->



#9

Trichlorofluoromethane

Concen: 1.289 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV008866.D

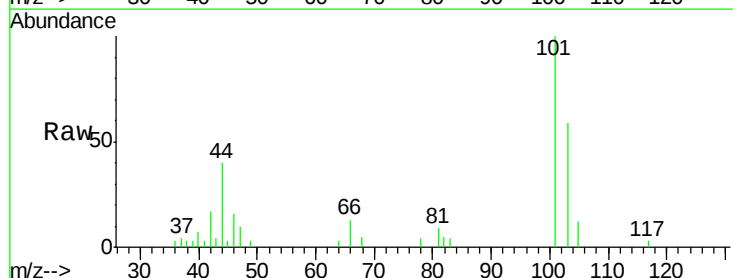
Acq: 06 Dec 2018 20:08

Tgt Ion: 101 Resp: 5464

Ion Ratio Lower Upper

101 100

103 62.6 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008864.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV008864.D (-199) (-)

1.77

5000

4000

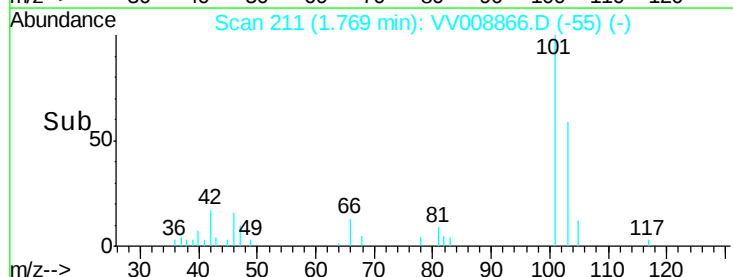
3000

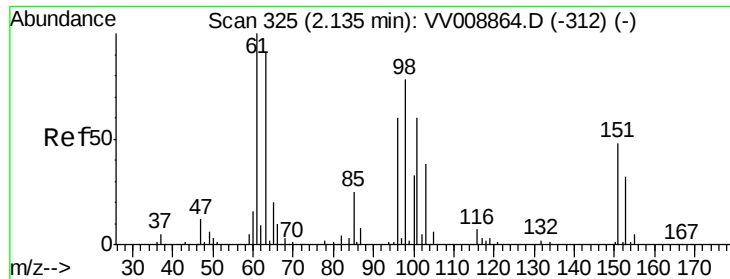
2000

1000

0

Time-->





#11

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

Concen: 1.423 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

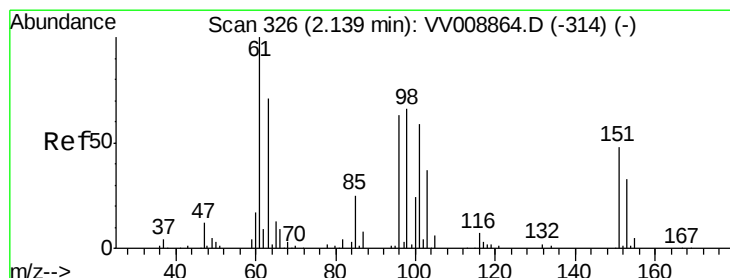
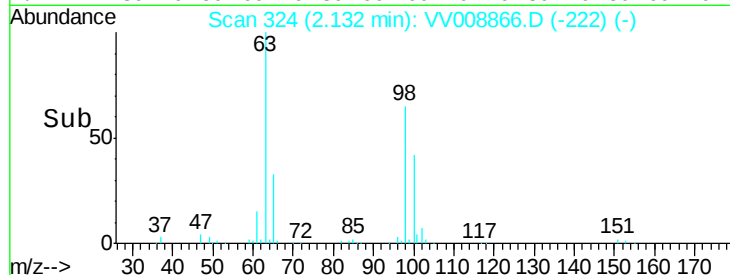
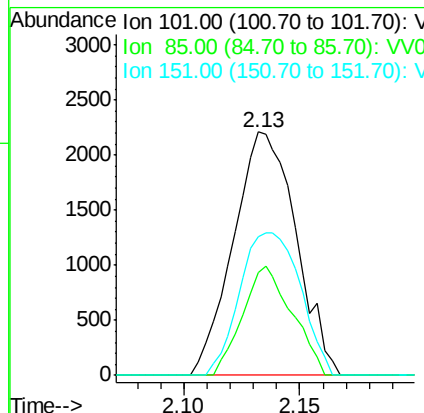
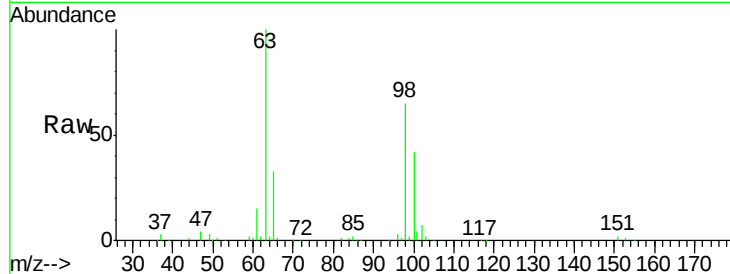
ClientSampleId :

MDL01

Tgt Ion:	101	Resp:	4138
Ion Ratio	Lower	Upper	
101	100		
85	35.5	32.5	48.7
151	56.9	64.2	96.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.263 ug/L

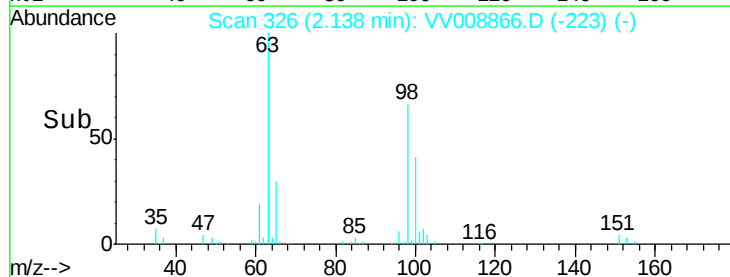
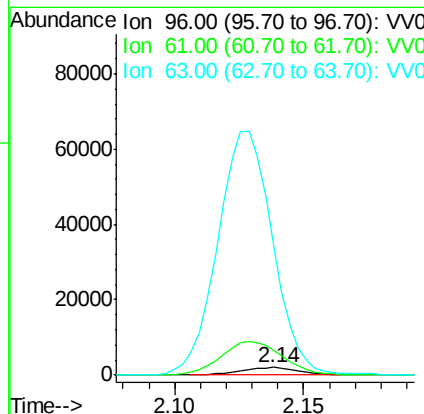
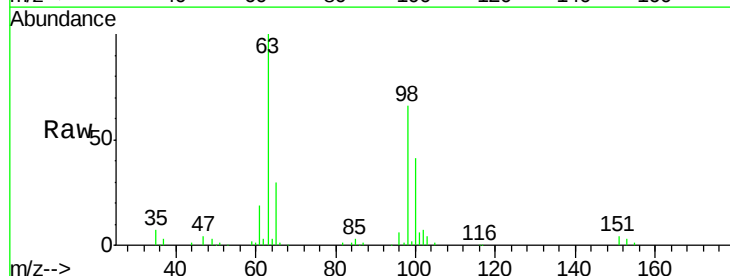
RT: 2.14 min Scan# 326

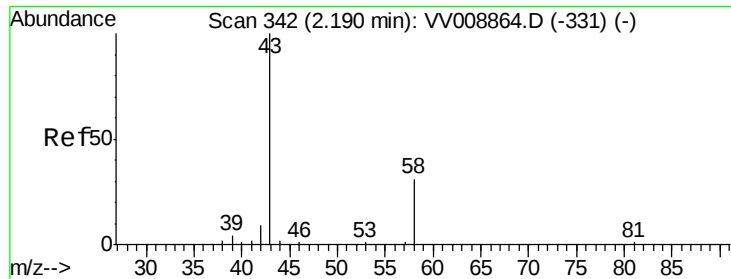
Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Tgt Ion:	96	Resp:	3206
Ion Ratio	Lower	Upper	
96	100		
61	330.4	114.0	211.6#
63	1719.2	82.4	153.0#





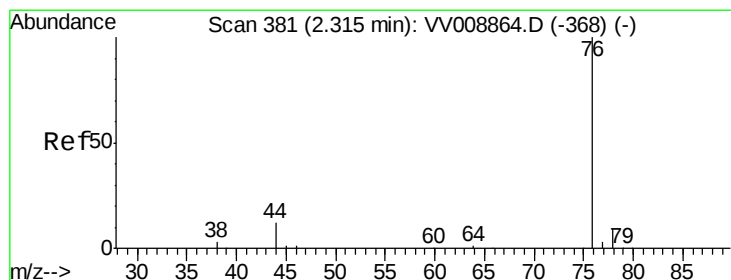
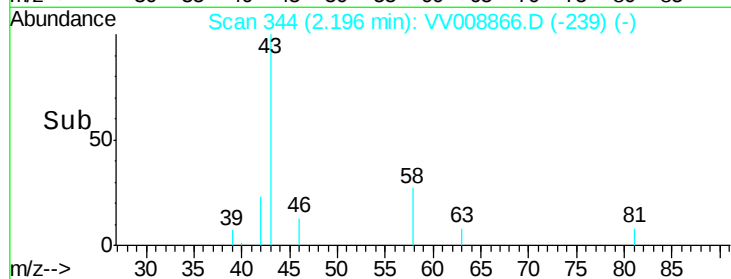
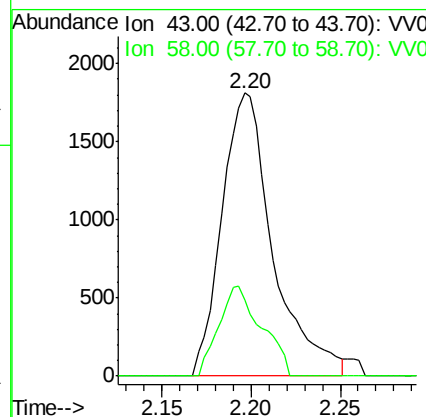
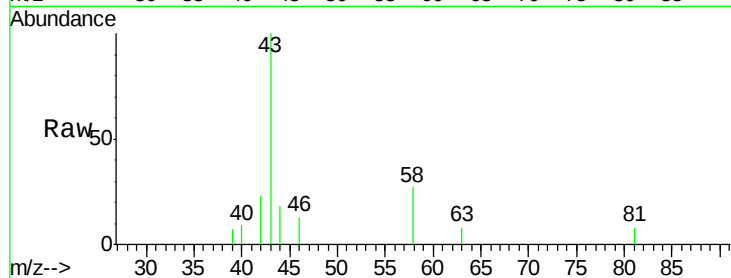
#13
Acetone
Concen: 3.299 ug/L
RT: 2.20 min Scan# 344
Delta R.T. 0.01 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 43 Resp: 3605
Ion Ratio Lower Upper
43 100
58 26.6 0.0 65.4

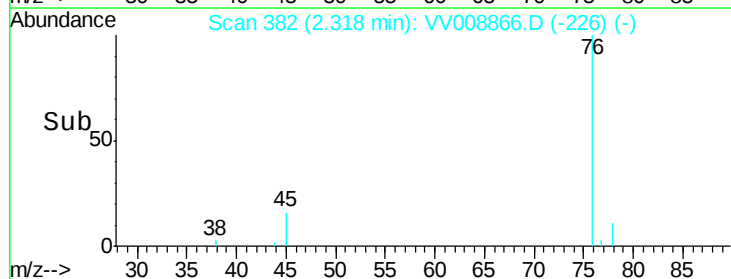
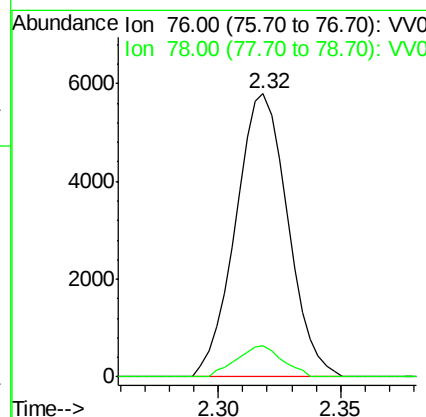
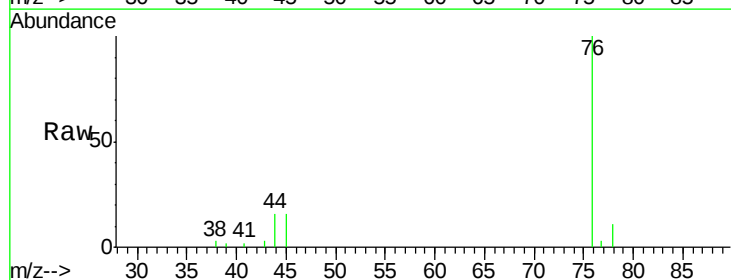
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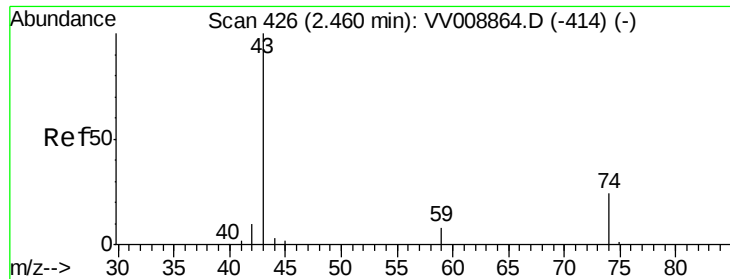
sam
12/11/2018 4:25:27 PM



#14
Carbon disulfide
Concen: 1.054 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion: 76 Resp: 8585
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0





#15

Methyl Acetate

Concen: 1.182 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 43 Resp: 1638

Ion Ratio Lower Upper

43 100

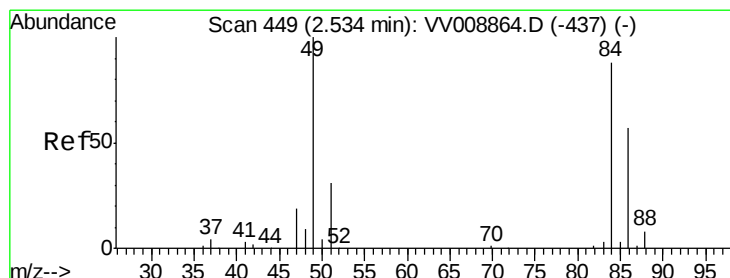
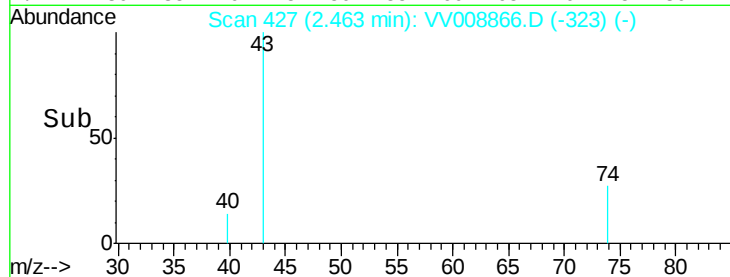
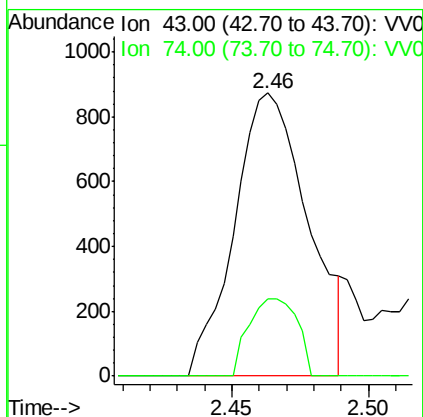
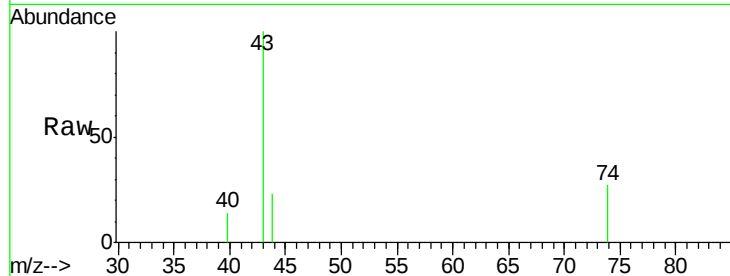
74 17.9 19.7 29.5#

Manual Integrations

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sam

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#16

Methylene chloride

Concen: 2.876 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

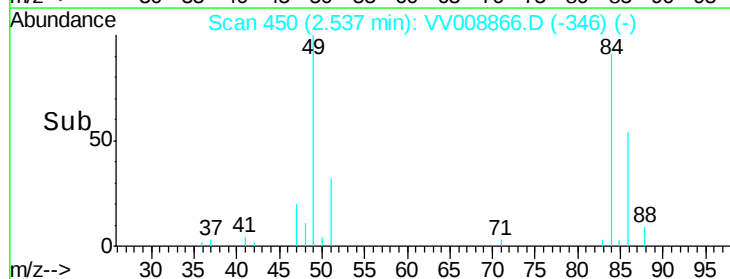
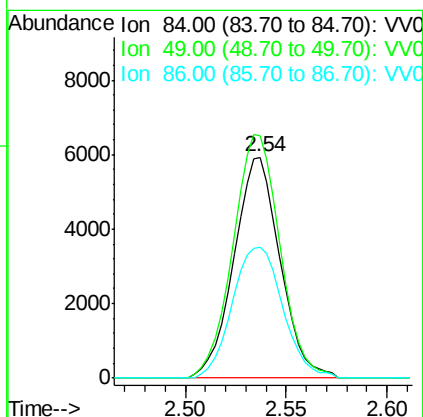
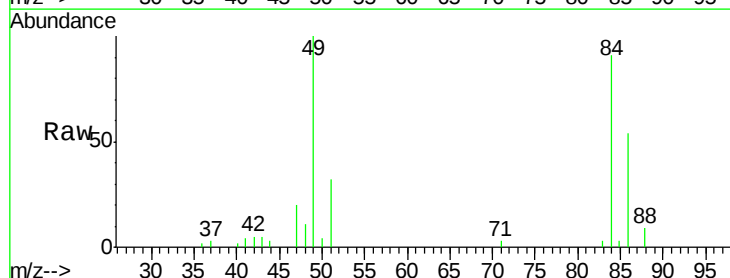
Tgt Ion: 84 Resp: 9535

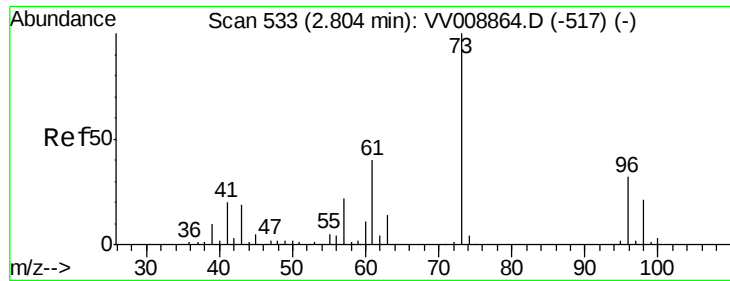
Ion Ratio Lower Upper

84 100

49 109.7 80.5 149.5

86 59.1 45.5 84.5





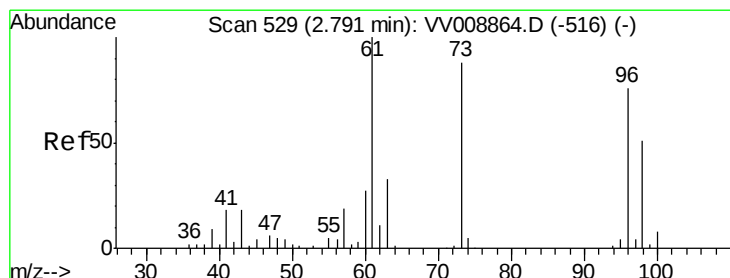
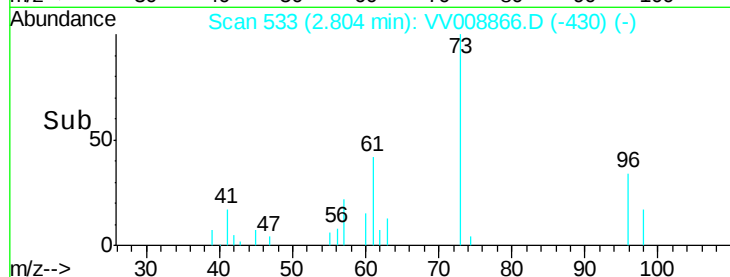
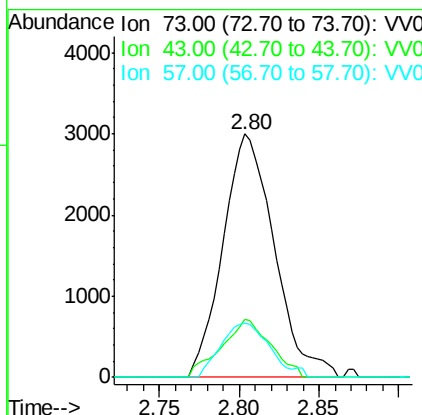
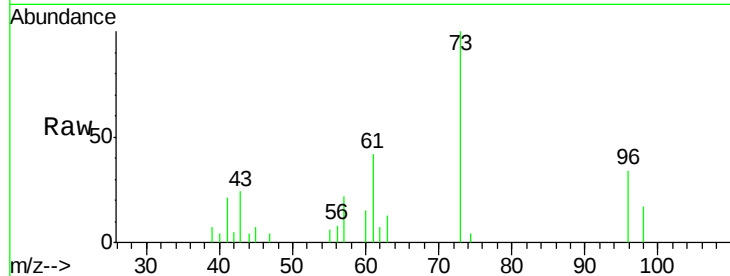
#17
Methyl tert-butyl Ether
Concen: 1.142 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 73 Resp: 6586
Ion Ratio Lower Upper
73 100
43 22.7 14.9 22.3#
57 20.6 16.0 24.0

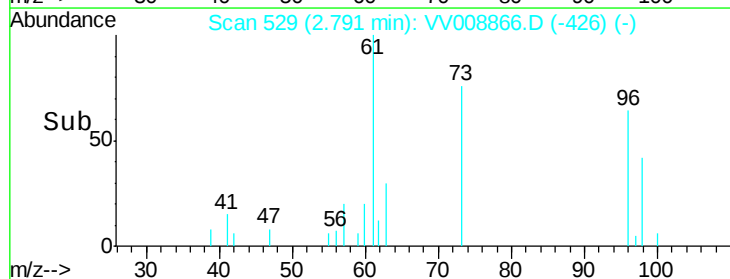
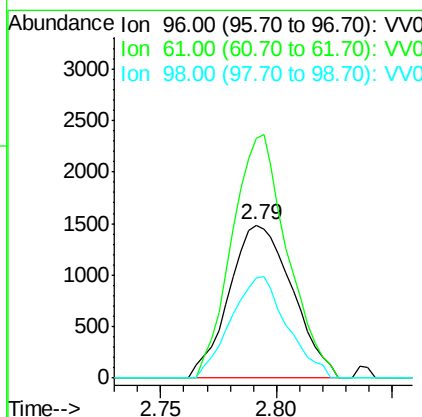
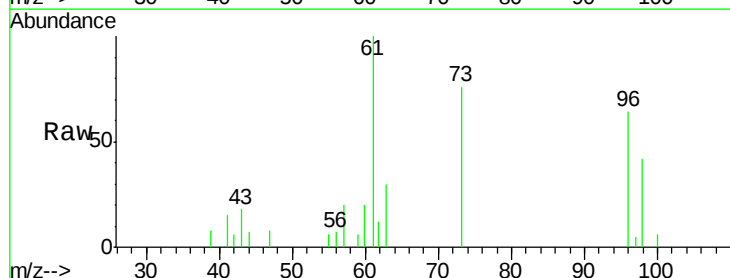
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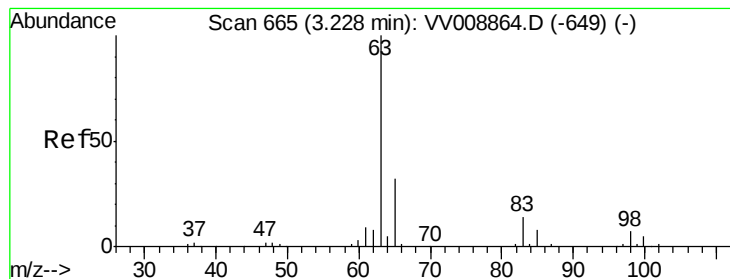
sam
12/11/2018 4:25:27 PM



#18
trans-1,2-Dichloroethene
Concen: 1.028 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion: 96 Resp: 2820
Ion Ratio Lower Upper
96 100
61 156.9 94.6 175.8
98 65.3 45.3 84.1





#19

1,1-Dichloroethane

Concen: 1.084 ug/L m

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

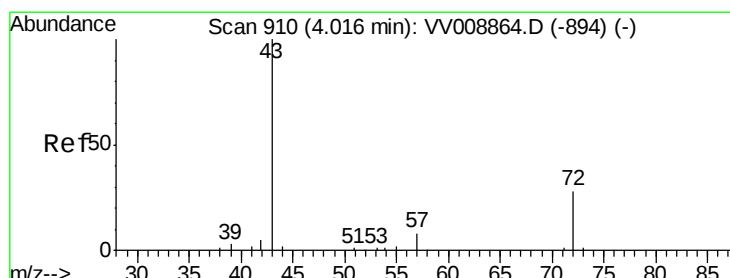
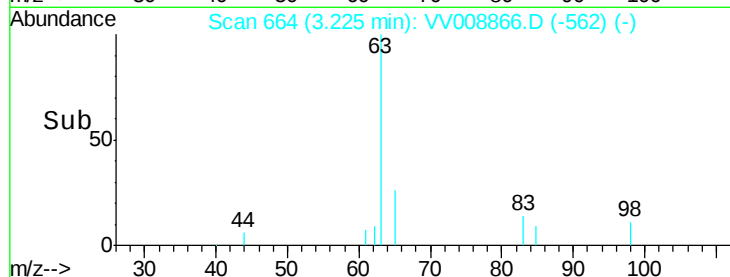
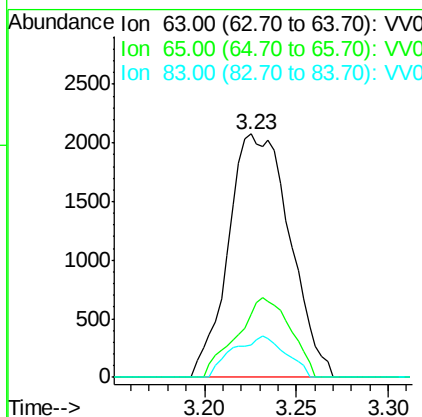
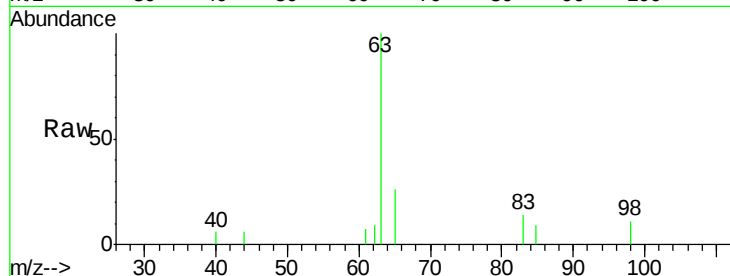
ClientSampled :

MDL01

Tgt Ion:	63	Resp:	4820
Ion	Ratio	Lower	Upper
63	100		
65	25.7	22.7	42.1
83	13.5	10.2	19.0

Manual Integrations
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#21

2-Butanone

Concen: 1.570 ug/L

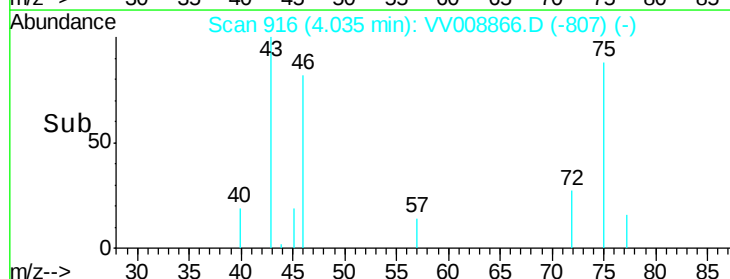
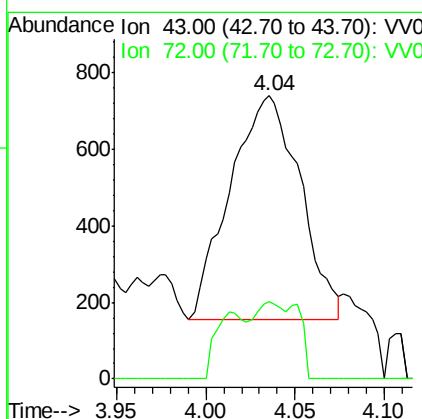
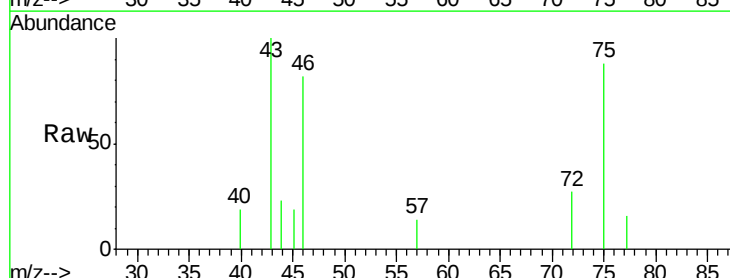
RT: 4.04 min Scan# 916

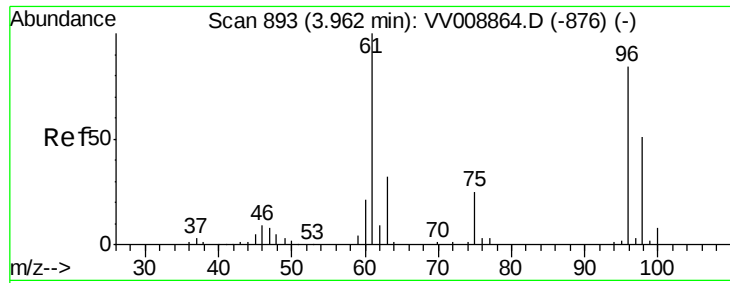
Delta R.T. 0.02 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Tgt Ion:	43	Resp:	1608
Ion	Ratio	Lower	Upper
43	100		
72	4.4	13.7	41.1#





#22

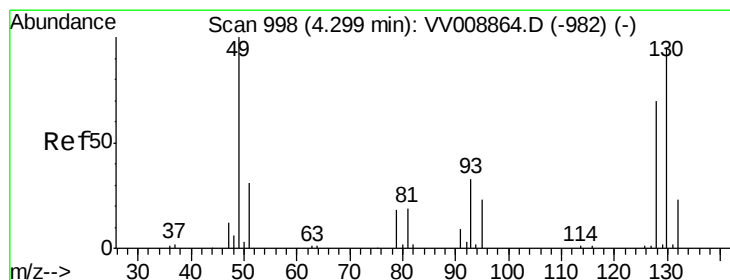
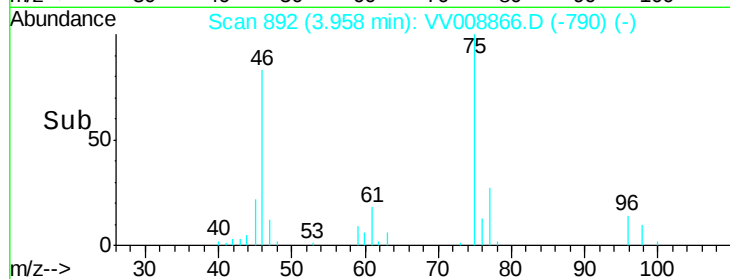
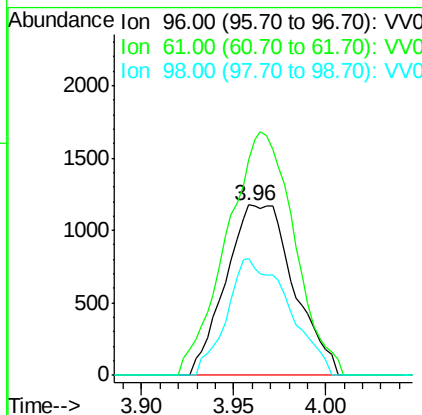
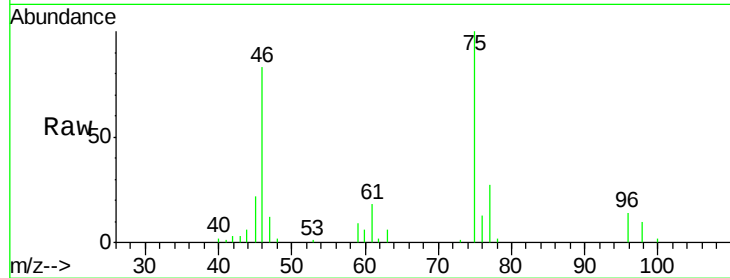
cis-1,2-Dichloroethene
 Concen: 1.054 ug/L m
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.8	86.2	160.0
98	68.6	45.6	84.6

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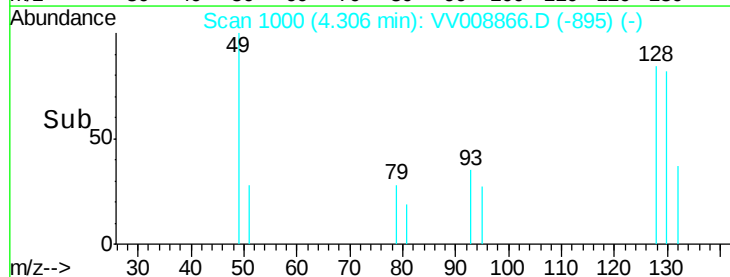
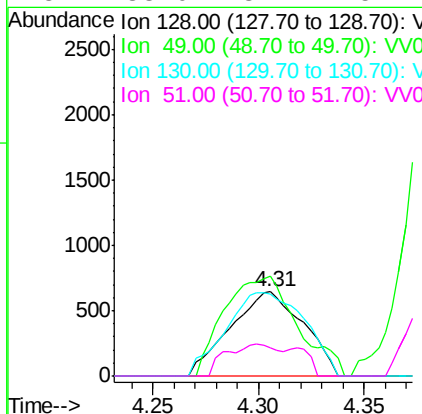
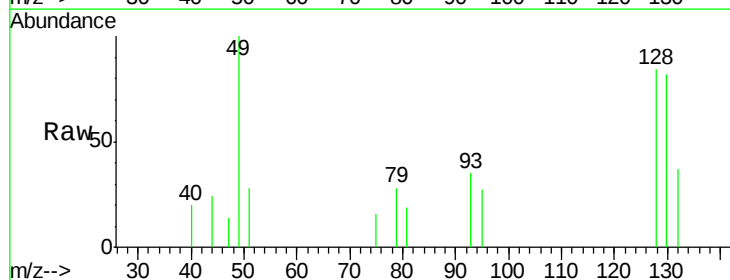
sam
 12/11/2018 4:25:27 PM

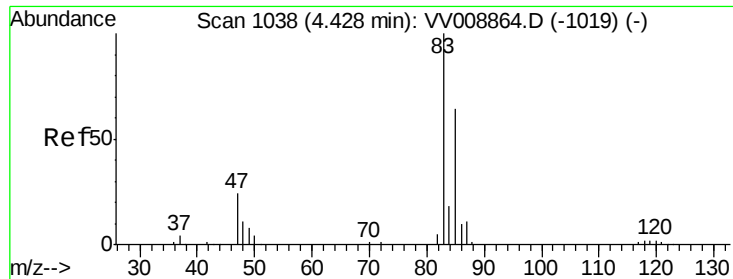


#23

Bromochloromethane
 Concen: 1.149 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	119.0	93.8	174.2
130	97.4	90.4	168.0
51	33.0	34.2	51.4





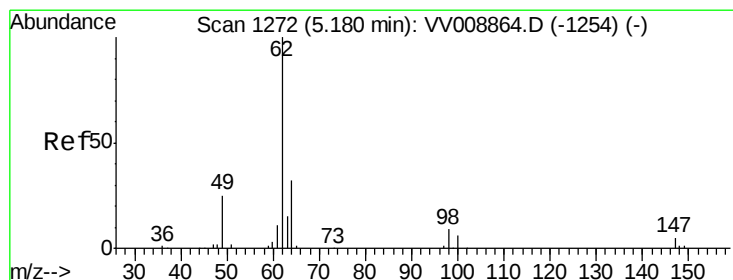
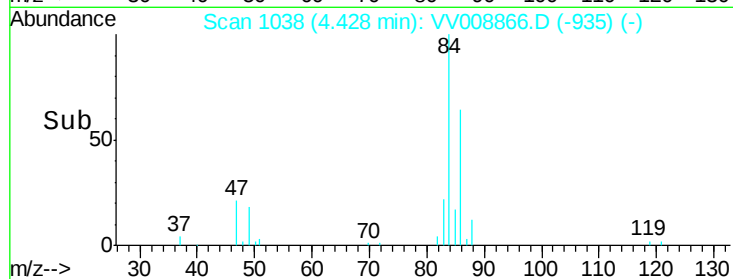
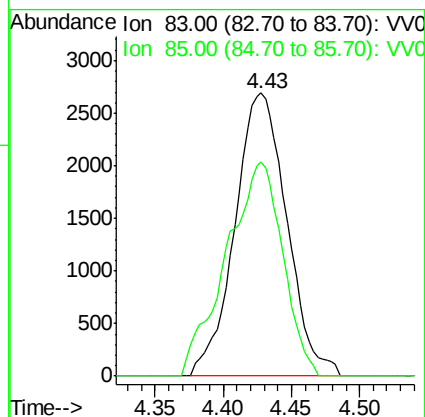
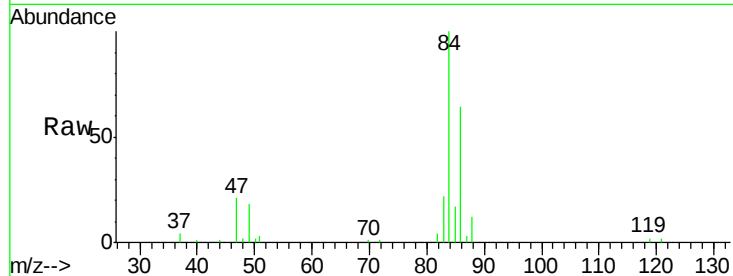
#25
Chloroform
Concen: 1.494 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 83 Resp: 7125
Ion Ratio Lower Upper
83 100
85 82.0 45.6 84.8

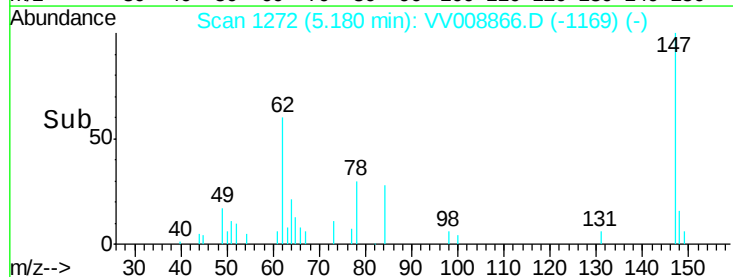
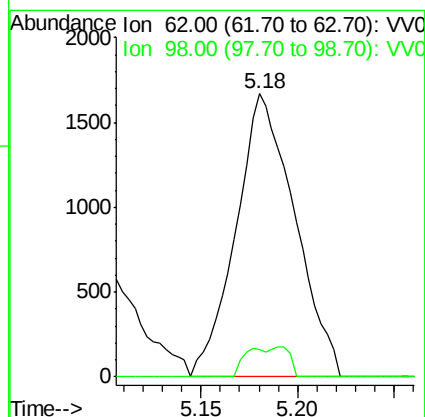
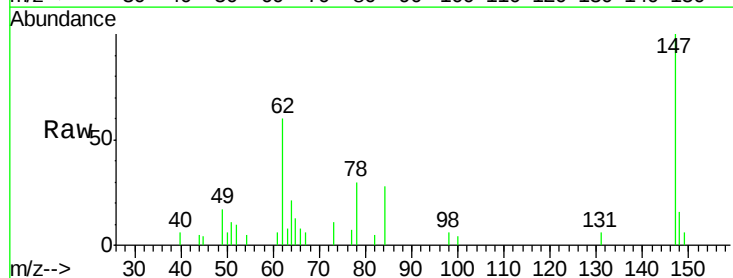
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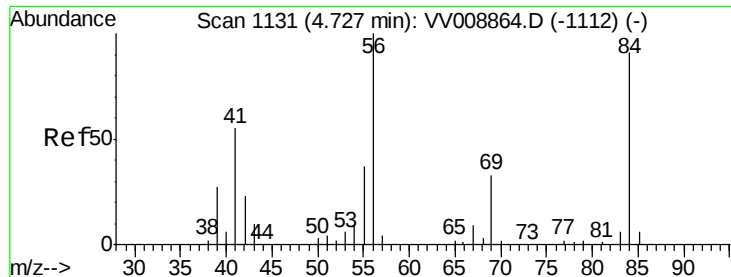
sam
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#27
1,2-Dichloroethane
Concen: 1.087 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion: 62 Resp: 3531
Ion Ratio Lower Upper
62 100
98 9.8 7.4 11.0





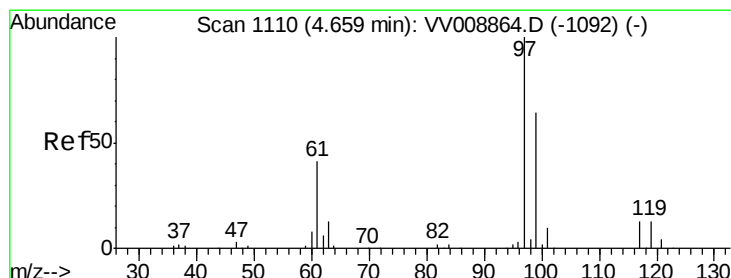
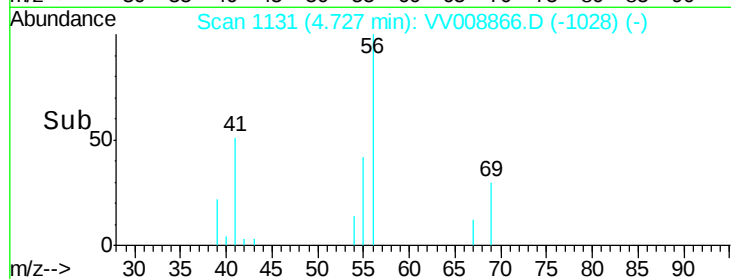
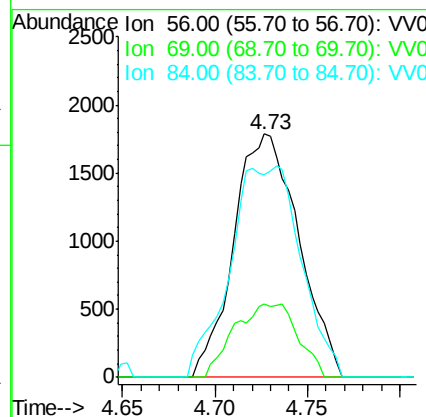
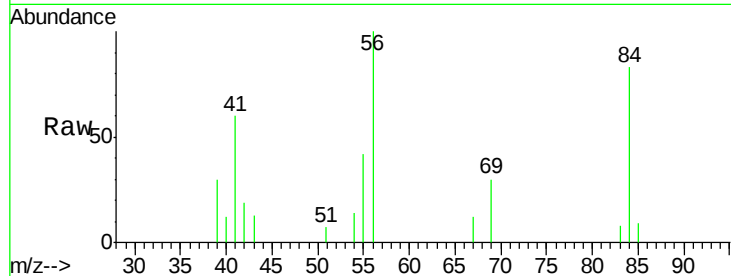
#30
Cyclohexane
Concen: 0.972 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	2.5	25.8	38.8#
84	49.4	73.0	109.6#

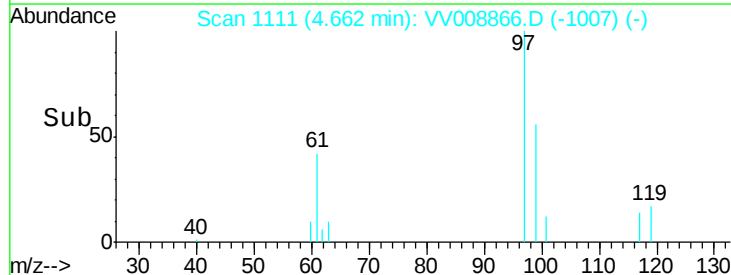
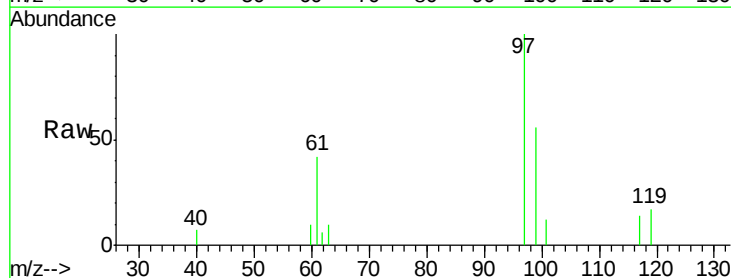
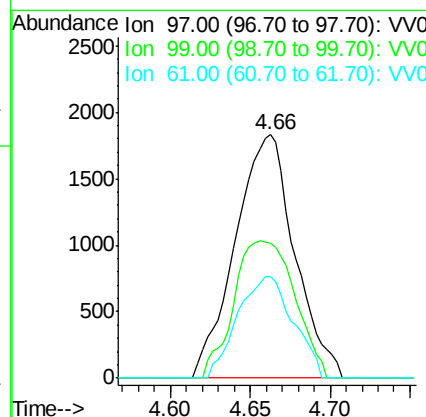
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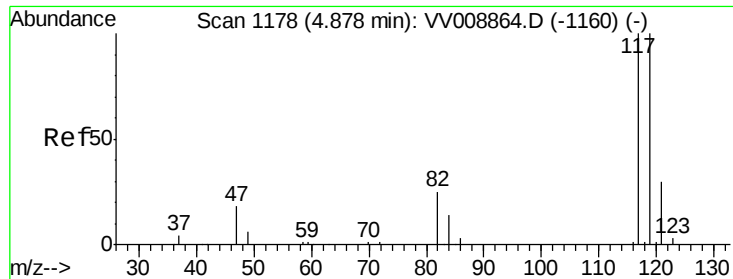
sam
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#31
1,1,1-Trichloroethane
Concen: 1.021 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.8	51.9	77.9
61	38.9	33.1	49.7





#32

Carbon tetrachloride

Concen: 0.942 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion:117 Resp: 3933

Ion Ratio Lower Upper

117 100

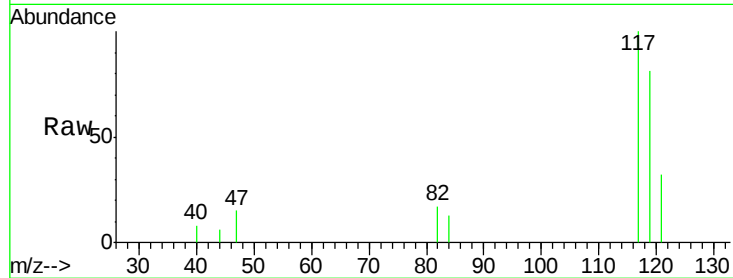
119 49.4 77.1 115.7#

Manual Integrations

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

1500

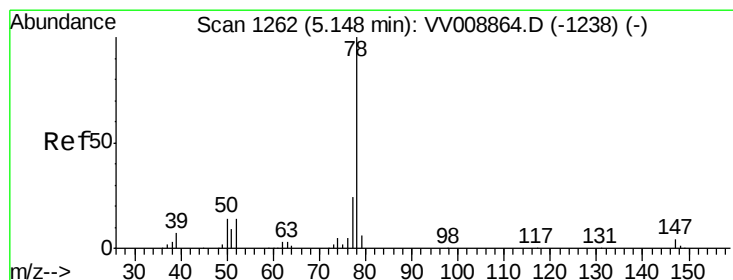
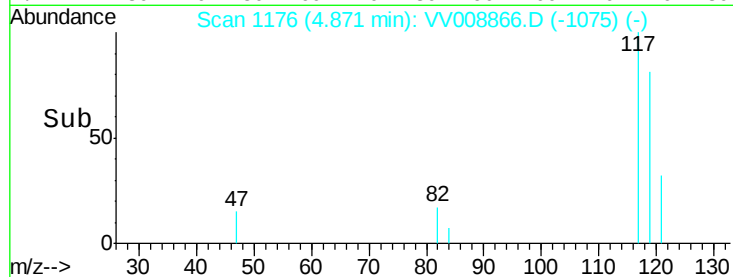
1000

500

0

4.85 4.90

Time-->



#34

Benzene

Concen: 1.057 ug/L

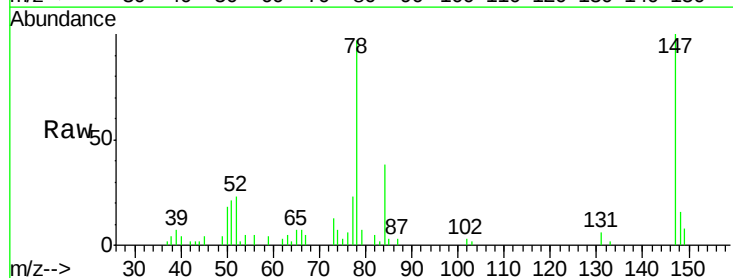
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Tgt Ion: 78 Resp: 11232



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

5000

4000

3000

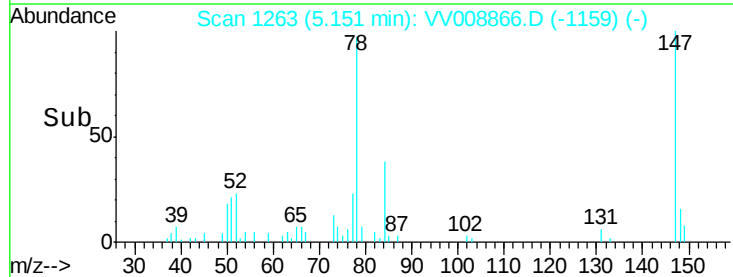
2000

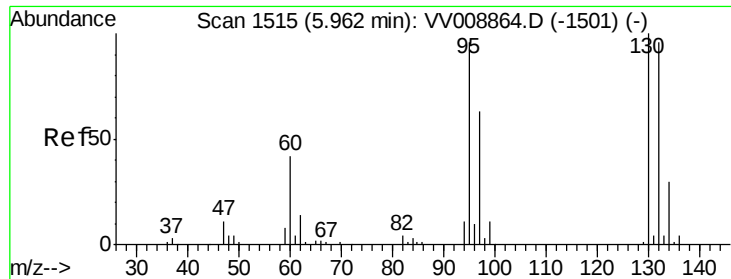
1000

0

5.10 5.15 5.20

Time-->





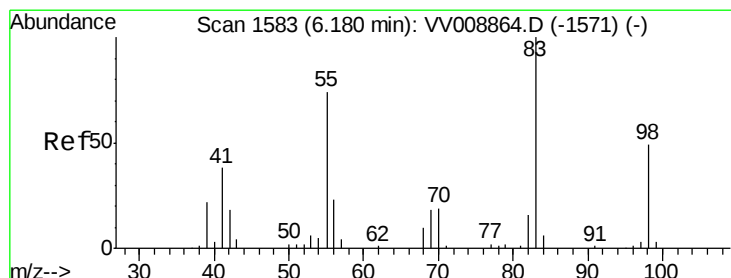
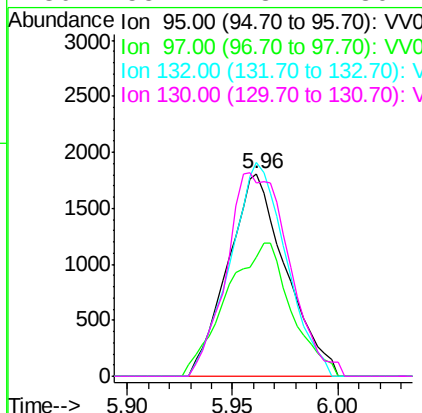
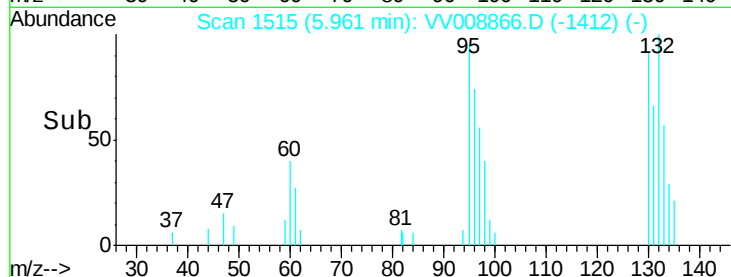
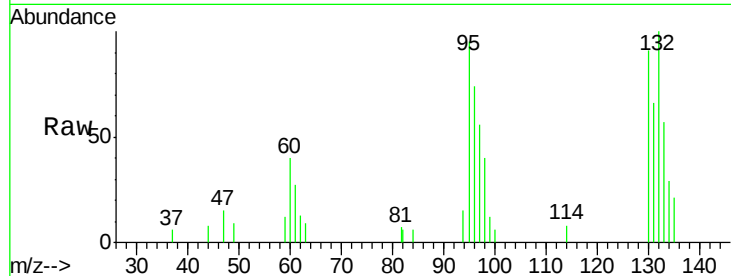
#35
 Trichloroethene
 Concen: 1.080 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 95 Resp: 3461
 Ion Ratio Lower Upper
 95 100
 97 73.5 45.3 84.1
 132 101.7 70.0 130.0
 130 55.7 73.4 136.4#

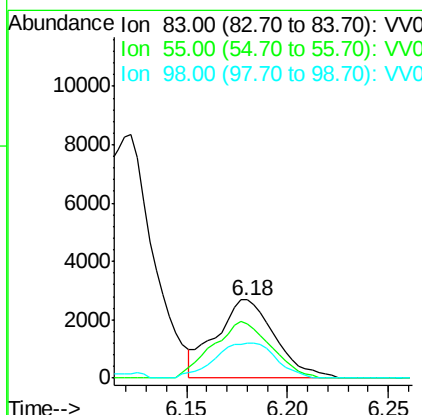
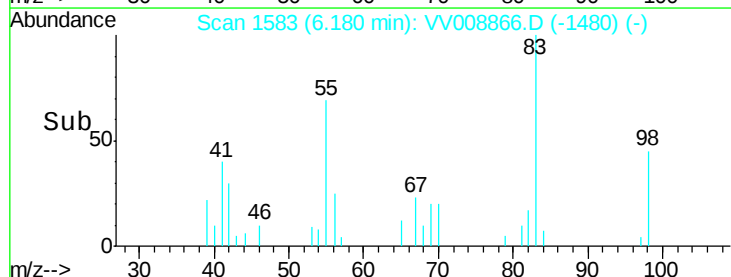
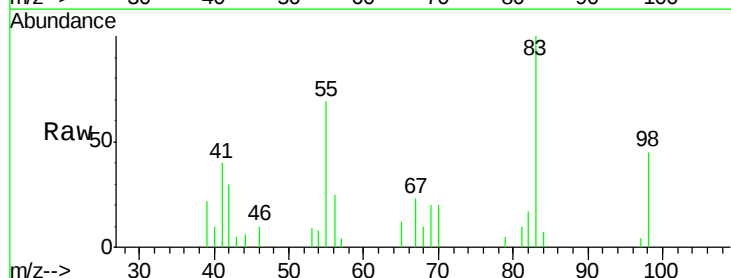
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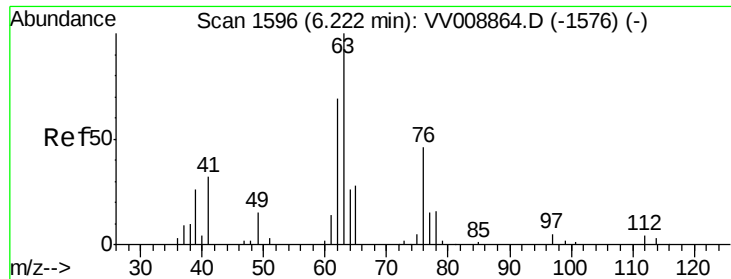
sam
 12/11/2018 4:25:27 PM



#36
 Methylcyclohexane
 Concen: 1.074 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Tgt Ion: 83 Resp: 5491
 Ion Ratio Lower Upper
 83 100
 55 71.1 58.2 87.2
 98 46.2 37.8 56.8





#40

1,2-Dichloropropane

Concen: 1.095 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 63 Resp: 2793

Ion Ratio Lower Upper

63 100

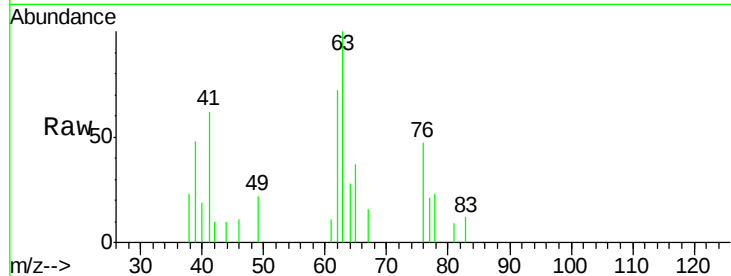
112 0.0 3.8 5.8#

Manual Integrations

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sam

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Abundance Ion 63.00 (62.70 to 63.70): VV008864.D (-1576) (-)

Ion 112.00 (111.70 to 112.70): VV008864.D (-1576) (-)

1500

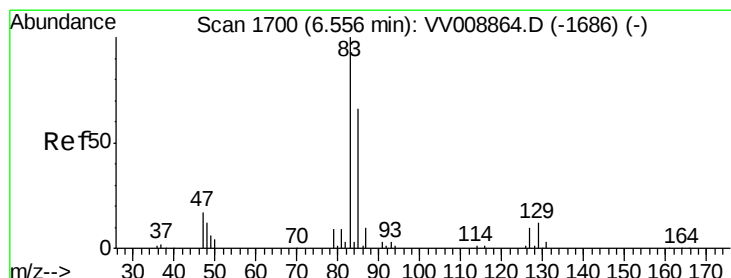
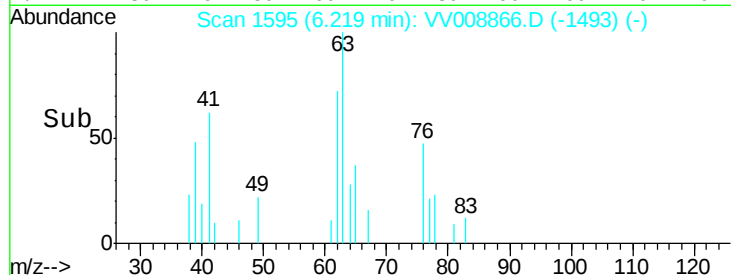
1000

500

0

6.15 6.20 6.25

Time-->



#41

Bromodichloromethane

Concen: 0.947 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

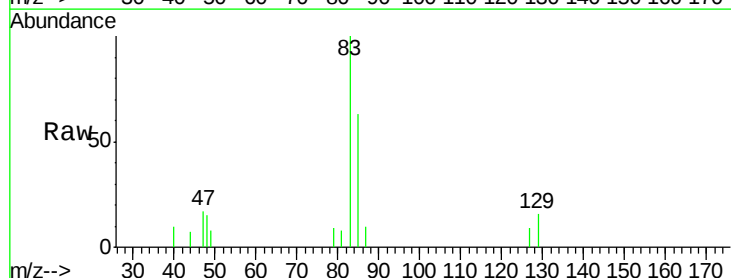
Tgt Ion: 83 Resp: 3185

Ion Ratio Lower Upper

83 100

85 63.2 45.3 84.1

127 8.9 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV008864.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV008864.D (-1686) (-)

Ion 127.00 (126.70 to 127.70): VV008864.D (-1686) (-)

2000

1500

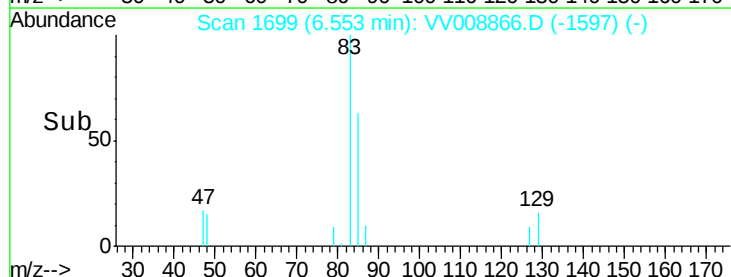
1000

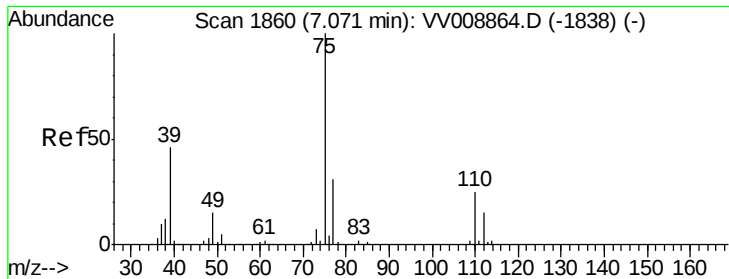
500

0

6.50 6.55 6.60

Time-->





#42

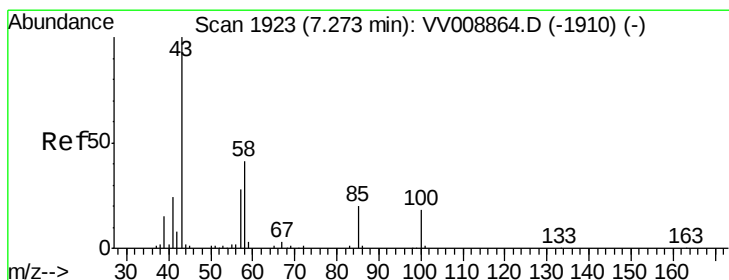
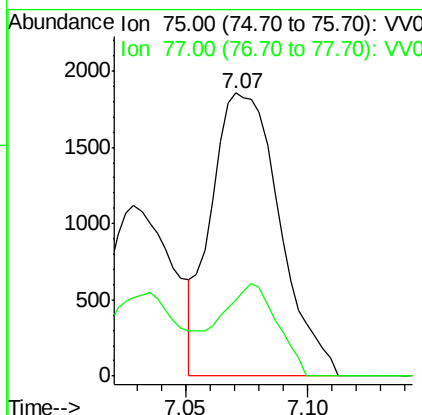
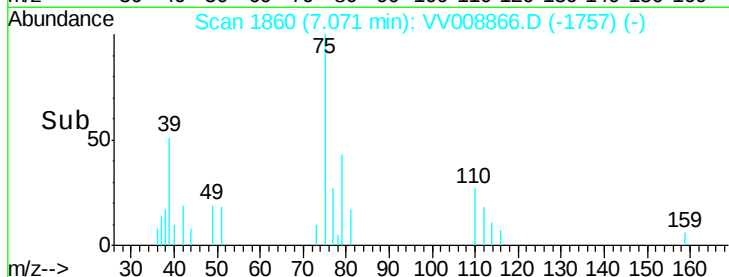
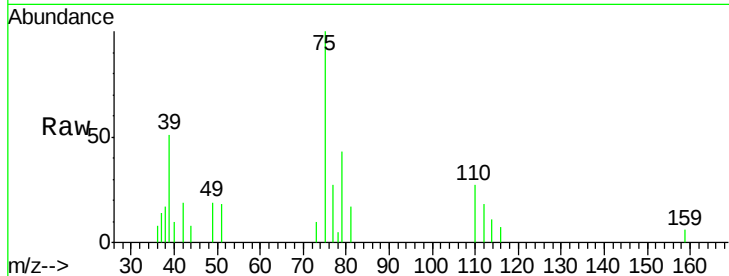
cis-1,3-Dichloropropene
Concen: 0.970 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion: 75 Resp: 3623
Ion Ratio Lower Upper
75 100
77 26.9 21.3 39.6

Manual Integrations
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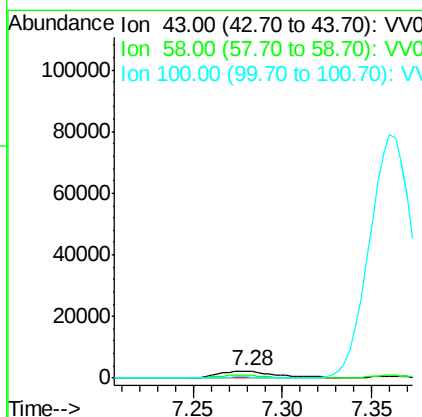
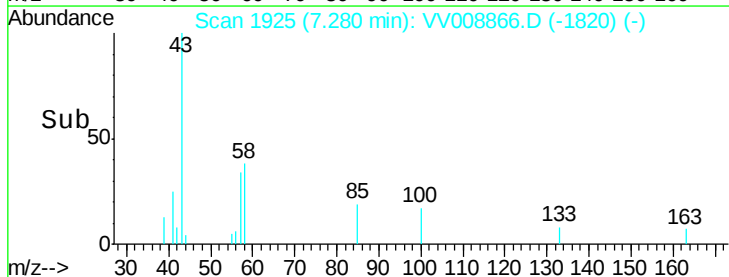
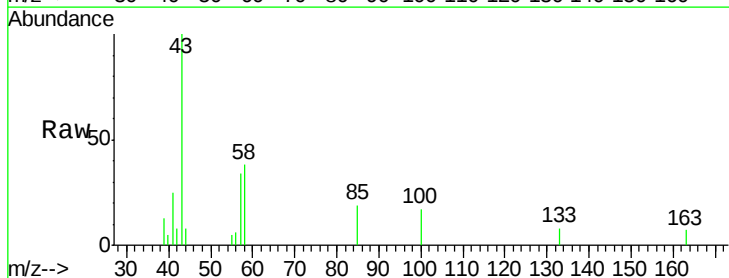
sam
12/11/2018 4:25:27 PM

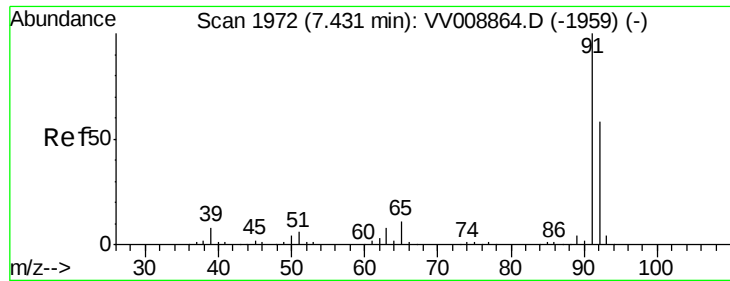


#43

4-Methyl-2-pentanone
Concen: 3.002 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion: 43 Resp: 5177
Ion Ratio Lower Upper
43 100
58 33.6 32.2 48.4
100 9.3 13.8 20.8#





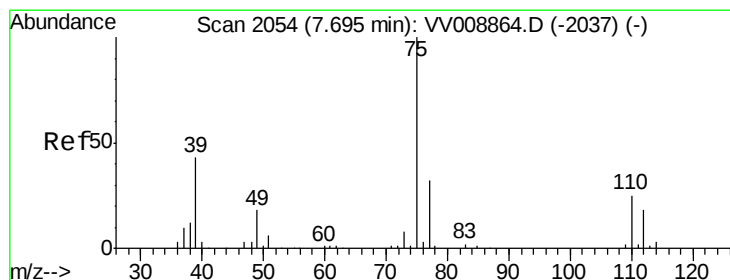
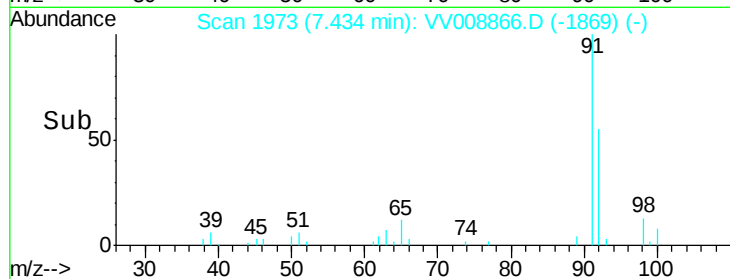
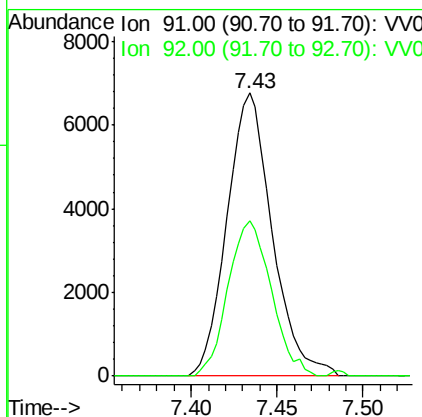
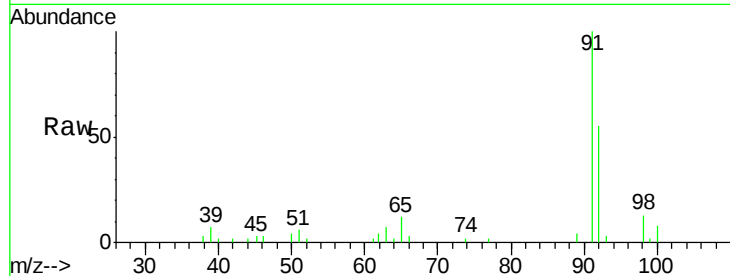
#44
Toluene
Concen: 1.109 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion: 91 Resp: 12360
Ion Ratio Lower Upper
91 100
92 54.7 41.7 77.5

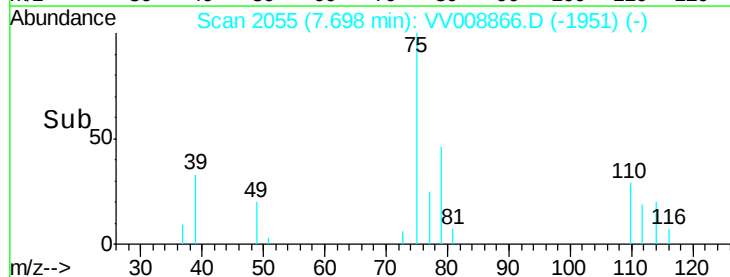
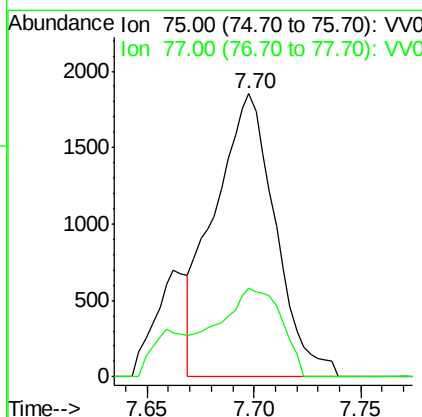
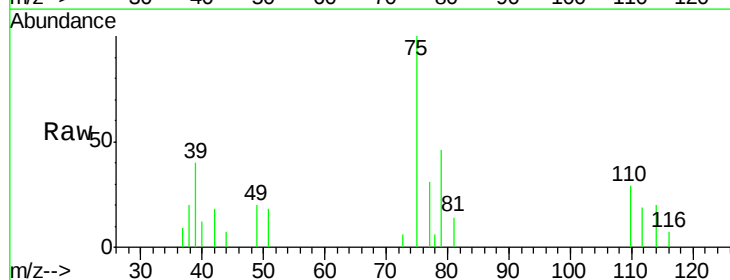
Manual Integrations
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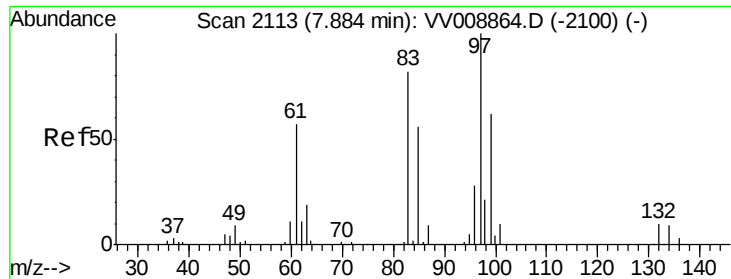
sam
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#45
trans-1,3-Dichloropropene
Concen: 1.130 ug/L m
RT: 7.70 min Scan# 2055
Delta R.T. 0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion: 75 Resp: 3680
Ion Ratio Lower Upper
75 100
77 31.3 23.6 43.8





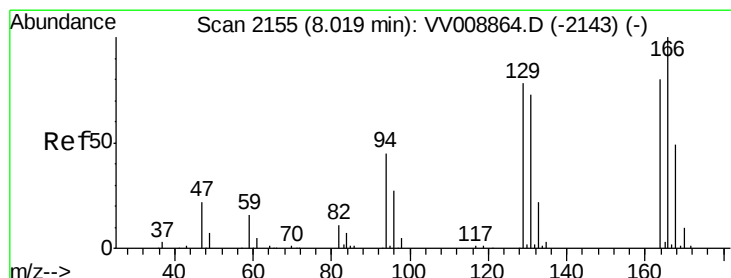
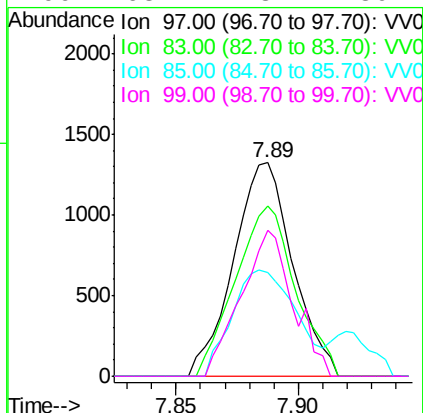
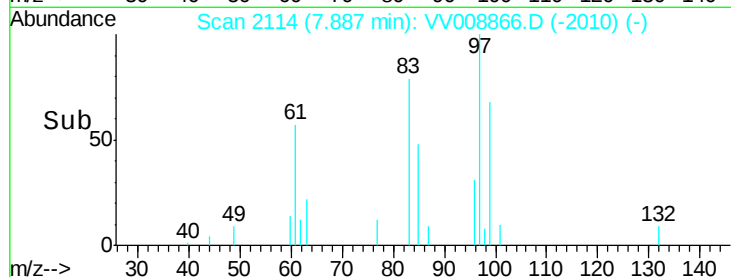
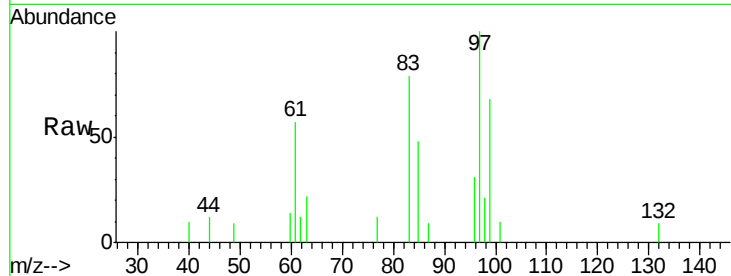
#46
 1,1,2-Trichloroethane
 Concen: 1.048 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion:	97	Resp:	2228
Ion	Ratio	Lower	Upper
97	100		
83	79.5	56.6	105.2
85	48.5	36.6	68.0
99	68.1	43.2	80.2

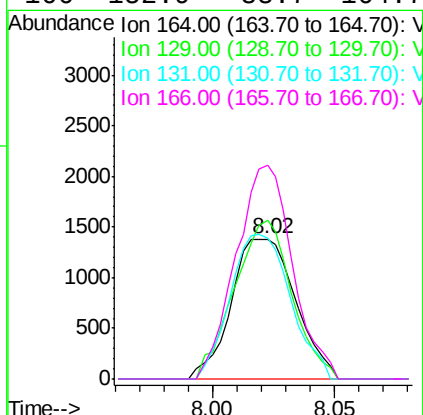
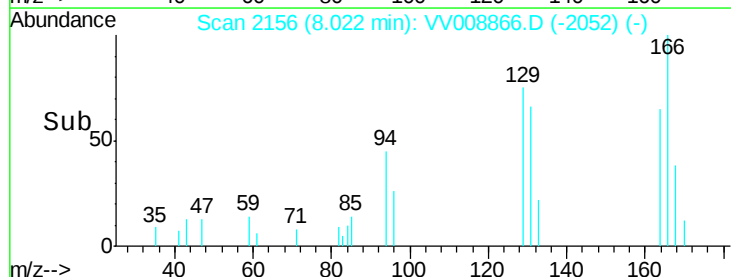
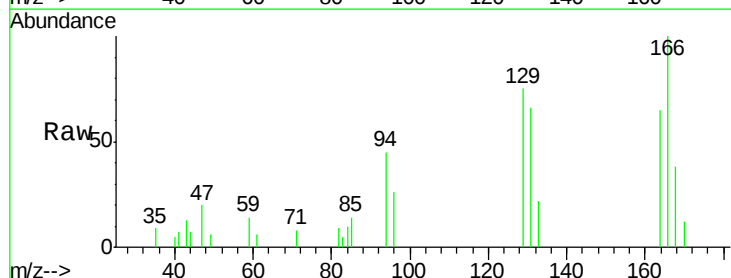
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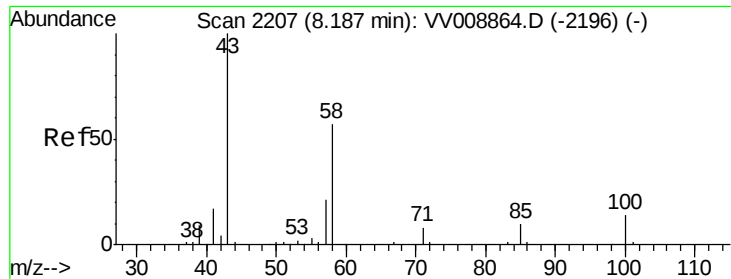
sam
 12/11/2018 4:25:27 PM



#47
 Tetrachloroethene
 Concen: 0.969 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Tgt Ion:	164	Resp:	2526
Ion	Ratio	Lower	Upper
164	100		
129	114.1	64.6	120.0
131	100.9	64.5	119.7
166	152.9	88.7	164.7





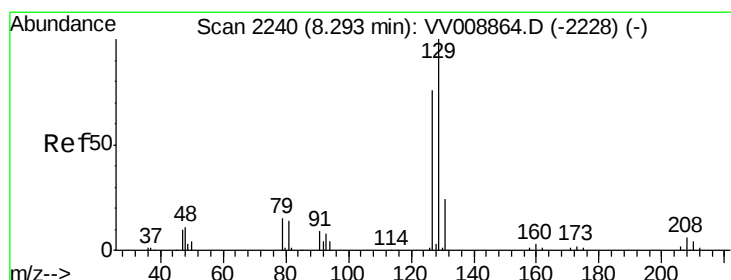
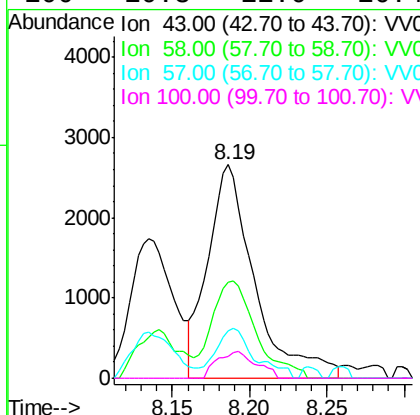
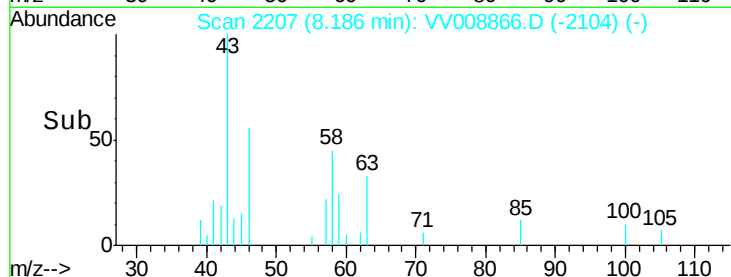
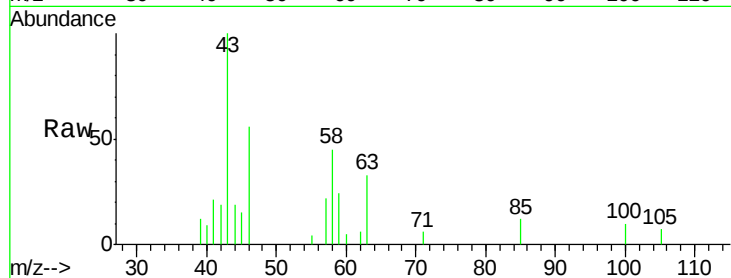
#49
2-Hexanone
Concen: 3.937 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.8	43.9	65.9#
57	10.8	15.7	23.5#
100	10.3	11.0	16.4#

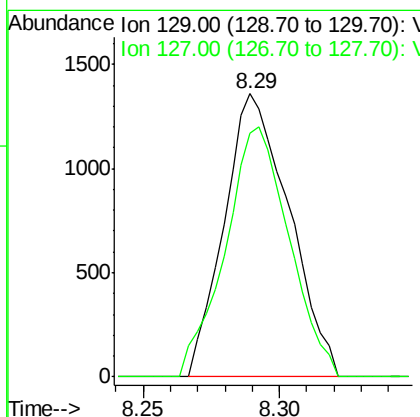
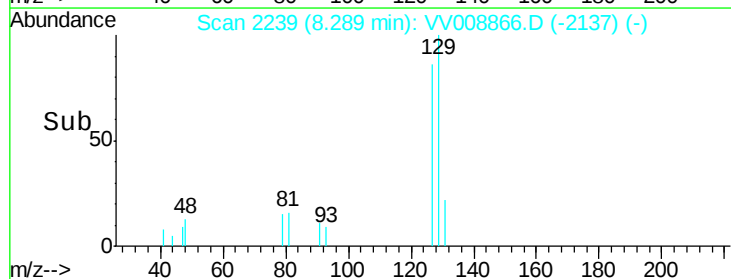
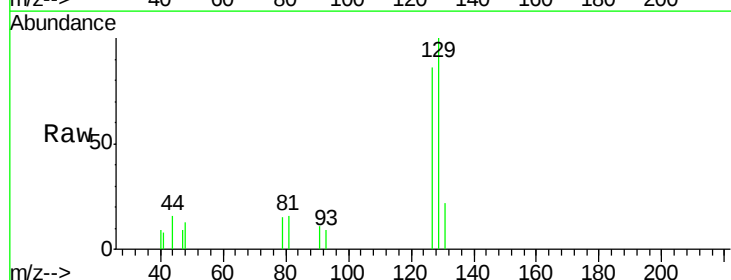
Manual Integrations
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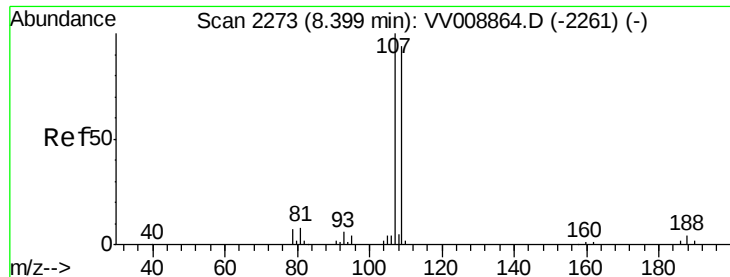
sam
12/11/2018 4:25:27 PM



#50
Dibromochloromethane
Concen: 0.922 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	86.1	53.5	99.3





#51

1,2-Dibromoethane

Concen: 1.056 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

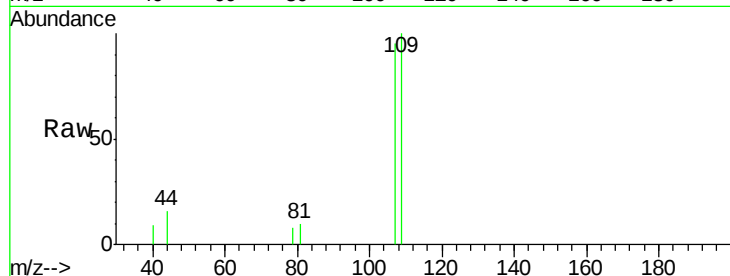
ClientSampleId :

MDL01

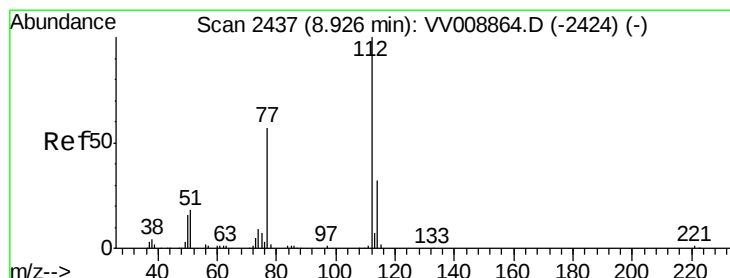
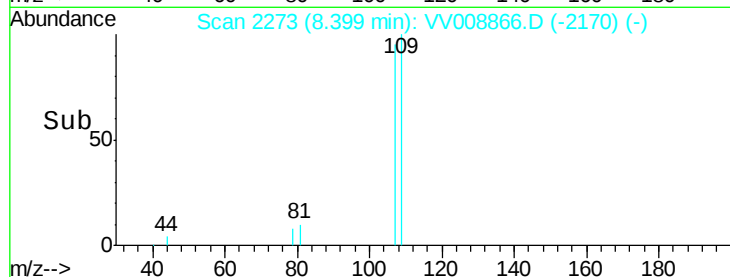
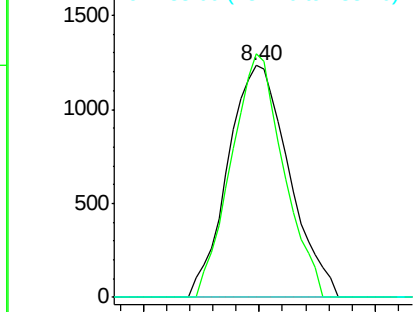
Tgt Ion:	107	Resp:	2254
Ion Ratio	Lower	Upper	
107	100		
109	105.0	65.8	122.2
188	0.0	3.0	4.6#

Manual Integrations
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Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 1.071 ug/L

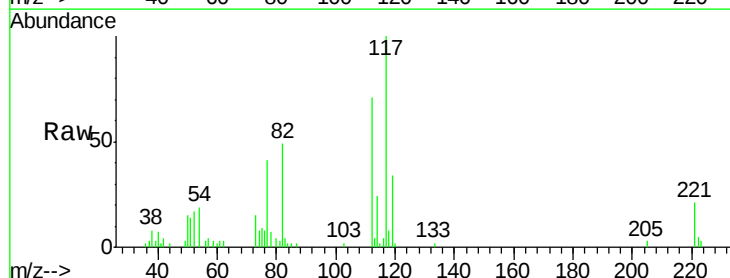
RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

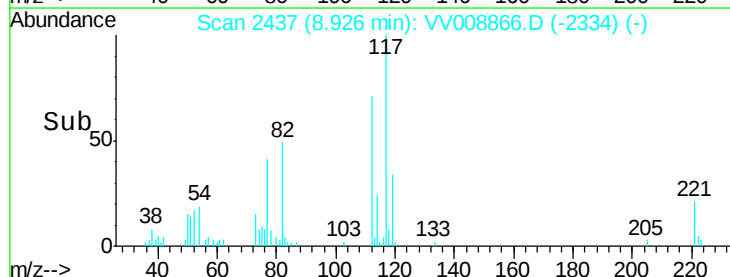
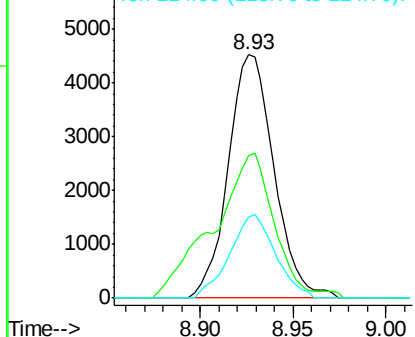
Lab File: VV008866.D

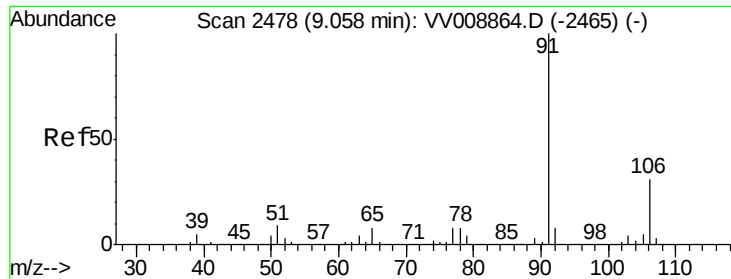
Acq: 06 Dec 2018 20:08

Tgt Ion:	112	Resp:	7775
Ion Ratio	Lower	Upper	
112	100		
77	58.6	44.6	66.8
114	33.4	22.6	42.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 0.973 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 91 Resp: 11768

Ion Ratio Lower Upper

91 100

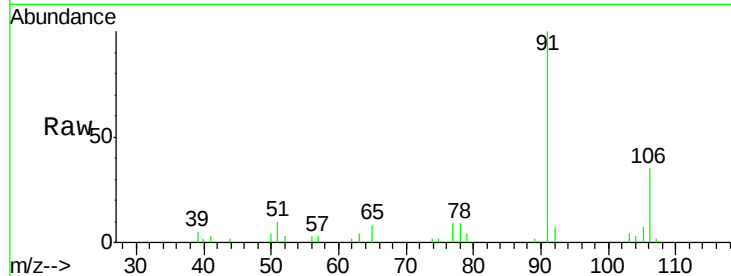
106 34.6 21.3 39.5

Manual Integrations

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sam

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Abundance Ion 91.00 (90.70 to 91.70): VV008866.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008866.D (-2465) (-)

9.06

8000

6000

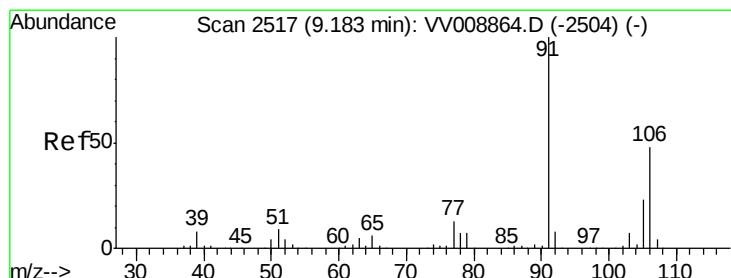
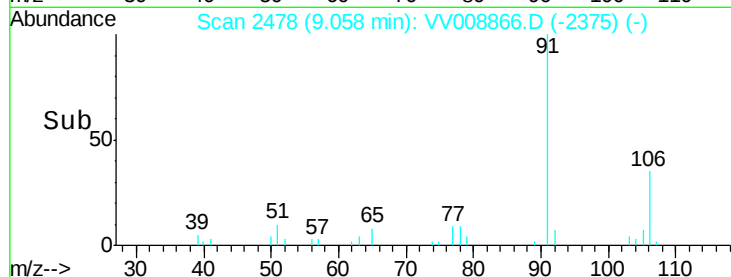
4000

2000

0

9.00 9.05 9.10

Time-->



#54

m,p-Xylene

Concen: 0.930 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008866.D

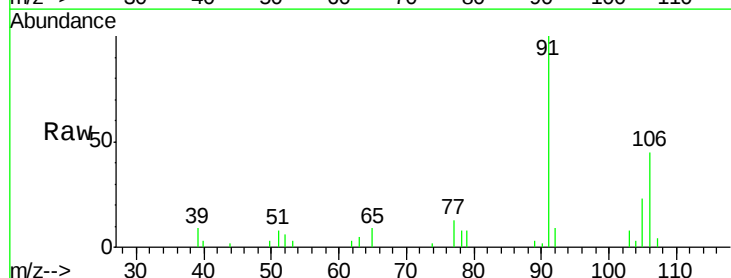
Acq: 06 Dec 2018 20:08

Tgt Ion: 106 Resp: 4260

Ion Ratio Lower Upper

106 100

91 222.1 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008866.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV008866.D (-2504) (-)

9.18

6000

5000

4000

3000

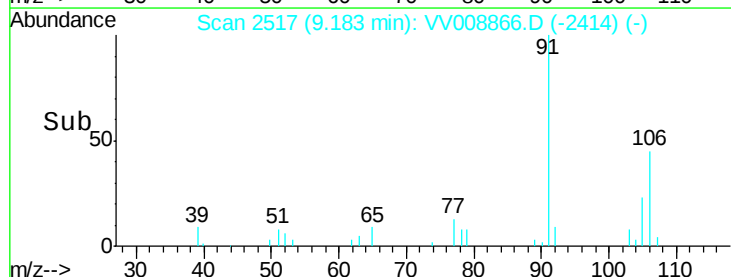
2000

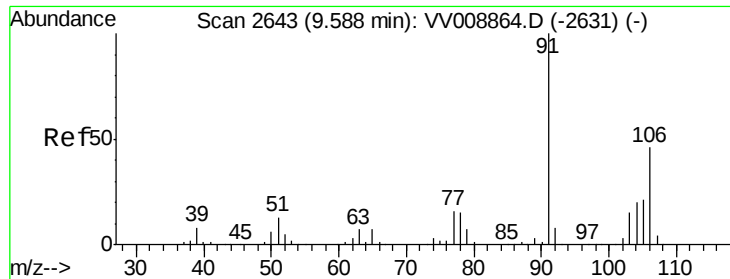
1000

0

9.15 9.20

Time-->





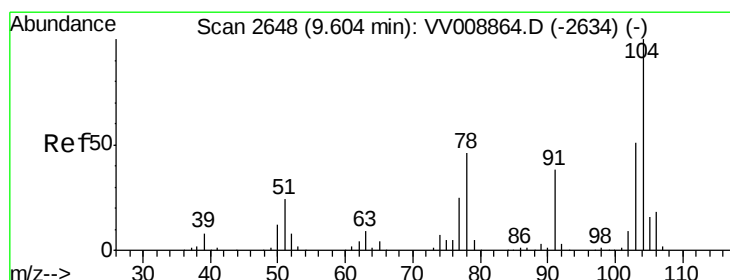
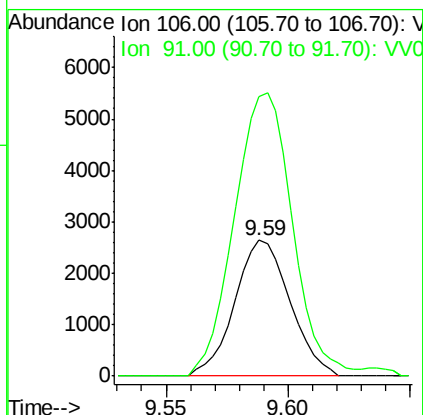
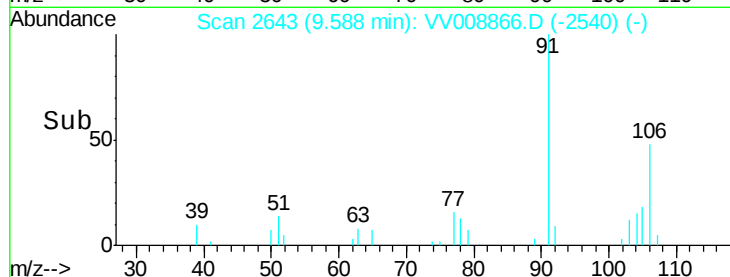
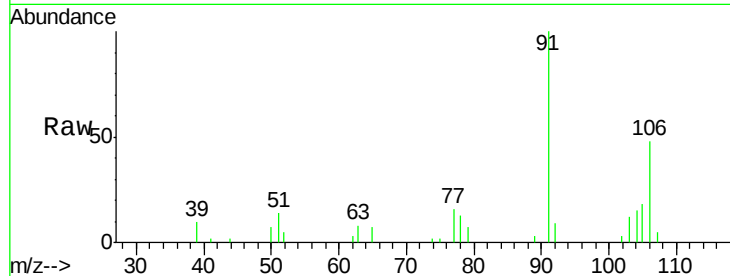
#55
o-xylene
Concen: 0.977 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion:106 Resp: 4158
Ion Ratio Lower Upper
106 100
91 206.6 148.3 275.5

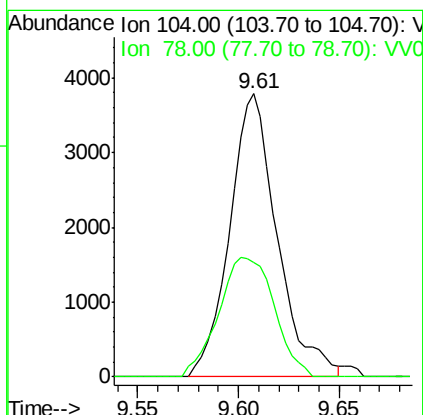
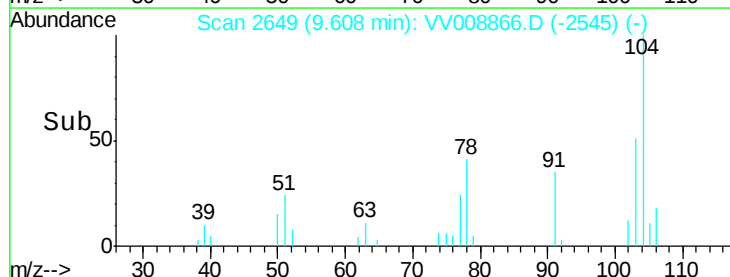
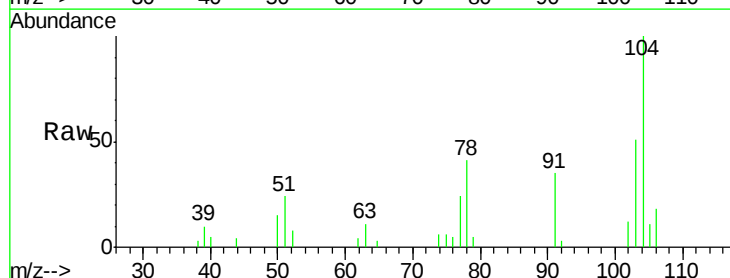
Manual Integrations
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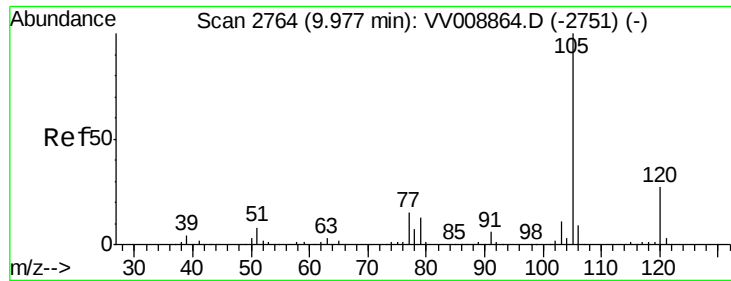
sam
12/11/2018 4:25:27 PM



#56
Styrene
Concen: 0.910 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion:104 Resp: 6245
Ion Ratio Lower Upper
104 100
78 40.5 30.6 56.8





#57

Isopropylbenzene

Concen: 0.977 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

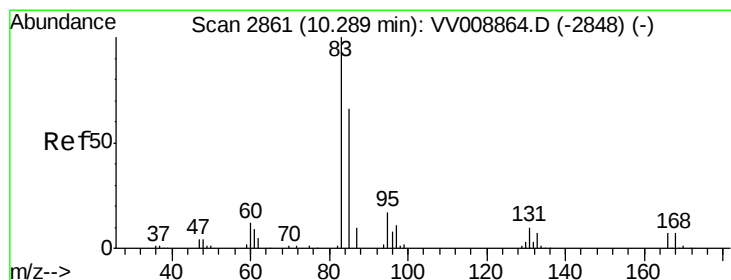
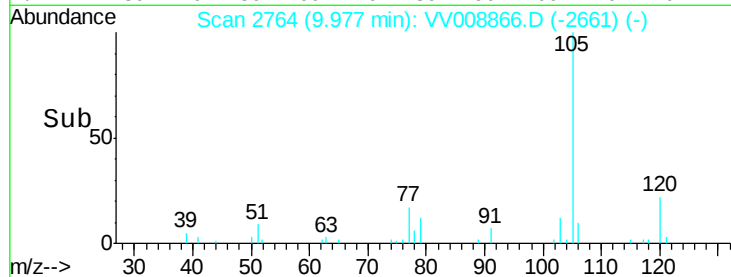
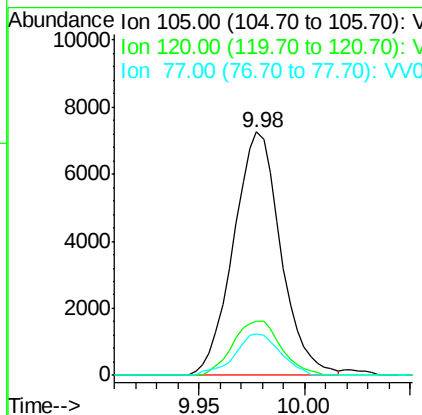
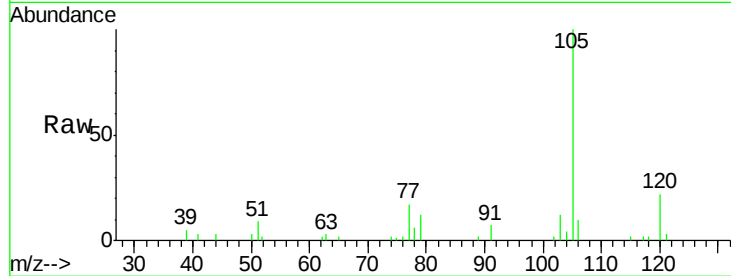
ClientSampled :

MDL01

Tgt Ion:	105	Resp:	11298
Ion Ratio	Lower	Upper	
105	100		
120	22.7	21.7	32.5
77	16.4	12.4	18.6

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.299 ug/L

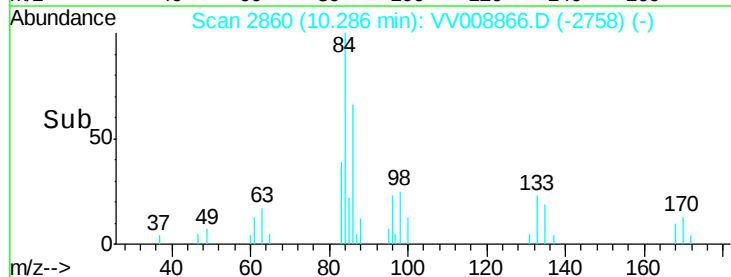
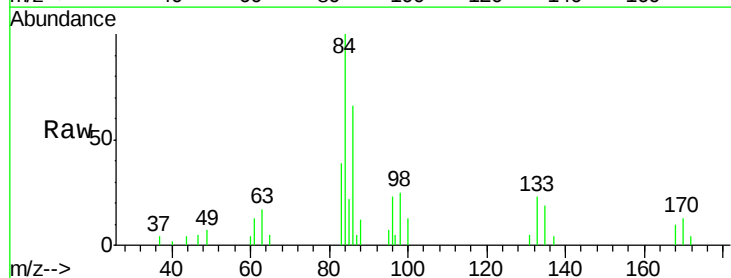
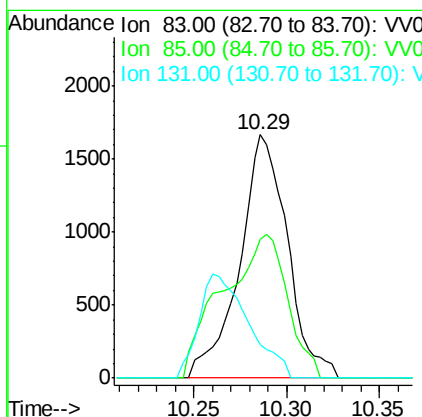
RT: 10.29 min Scan# 2860

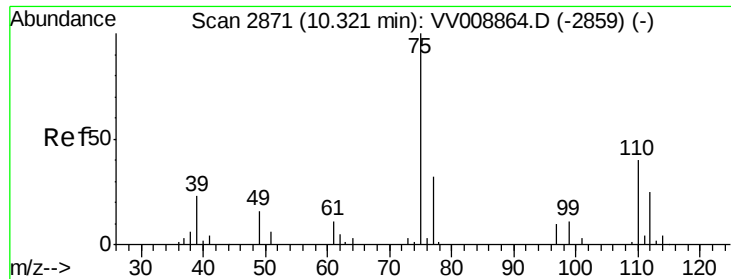
Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Tgt Ion:	83	Resp:	2985
Ion Ratio	Lower	Upper	
83	100		
85	56.8	44.3	82.3
131	13.7	7.8	11.8#





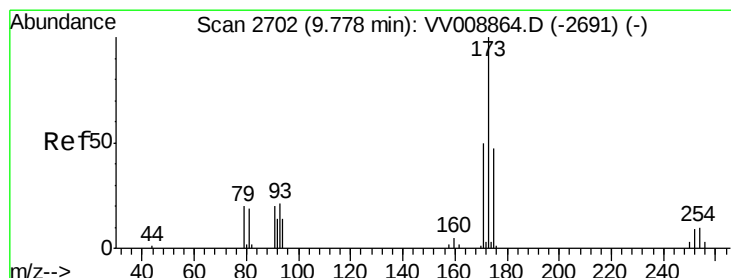
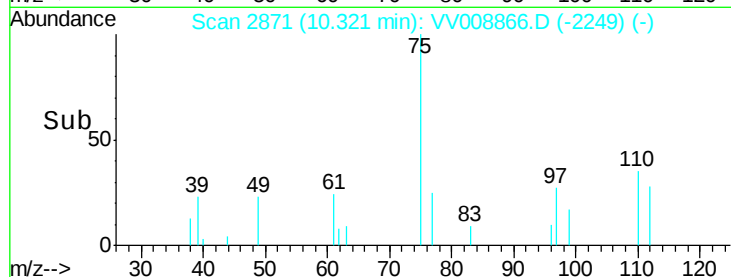
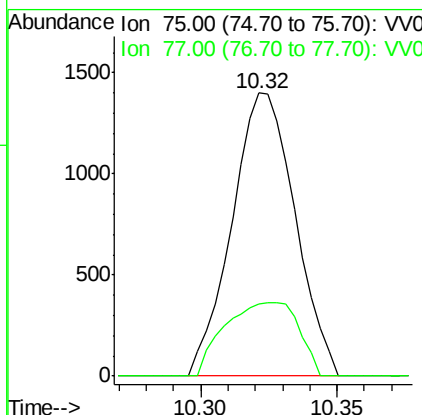
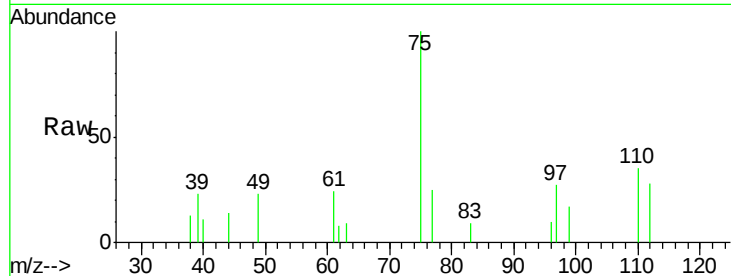
#59
 1,2,3-Trichloropropane
 Concen: 1.129 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 75 Resp: 2244
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.6 38.4

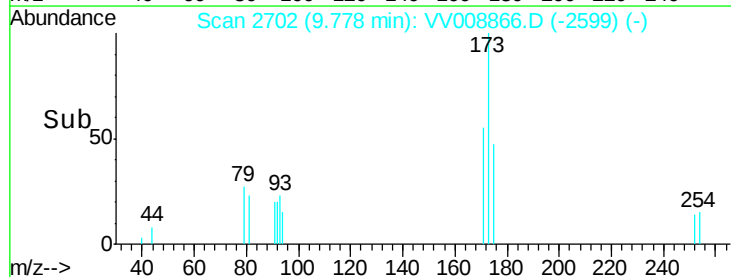
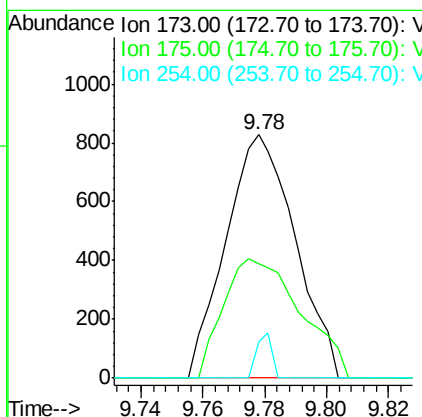
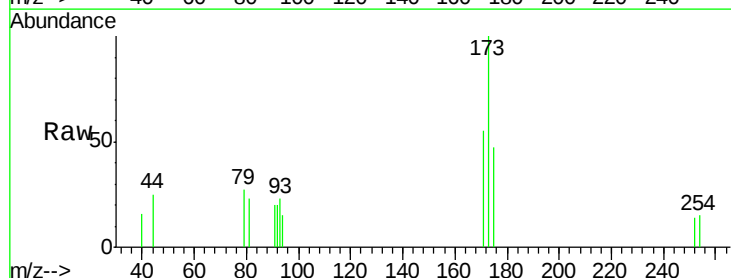
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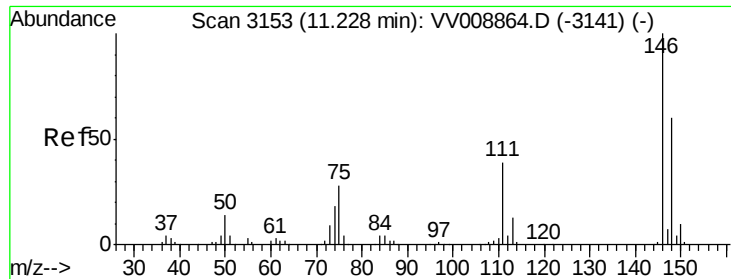
sam
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#62
 Bromoform
 Concen: 0.959 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Tgt Ion: 173 Resp: 1285
 Ion Ratio Lower Upper
 173 100
 175 54.9 37.7 56.5
 254 4.1 7.1 10.7#





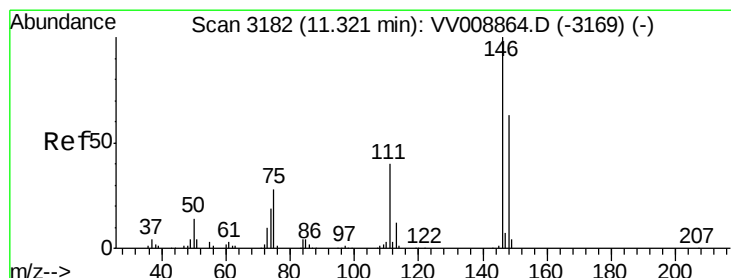
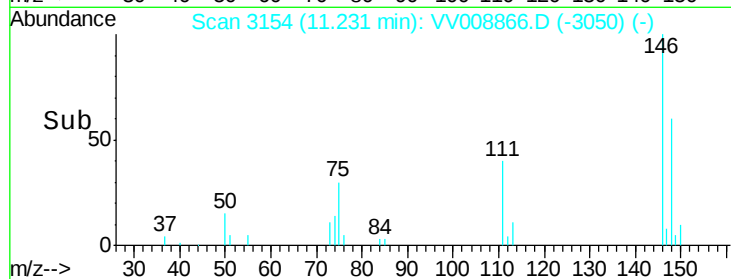
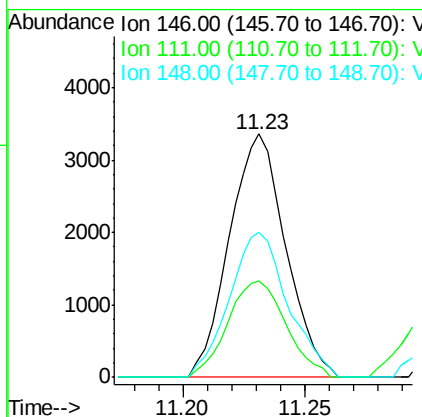
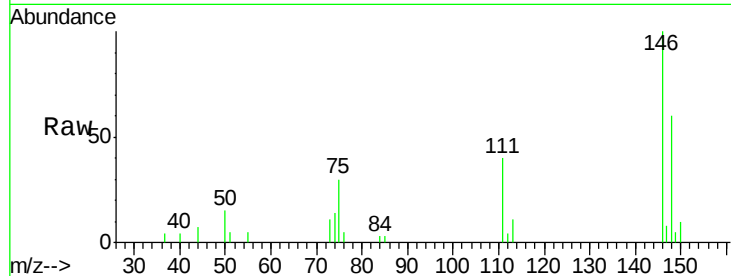
#63
 1,3-Dichlorobenzene
 Concen: 1.123 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.5	51.1
148	59.6	44.0	81.8

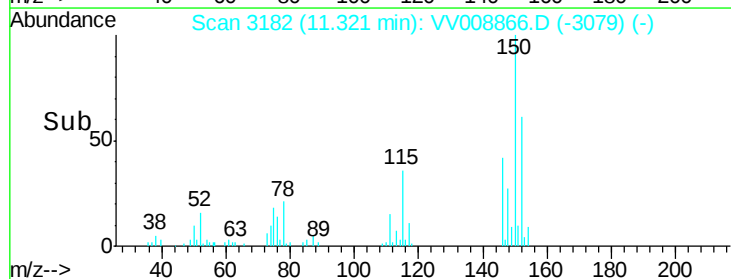
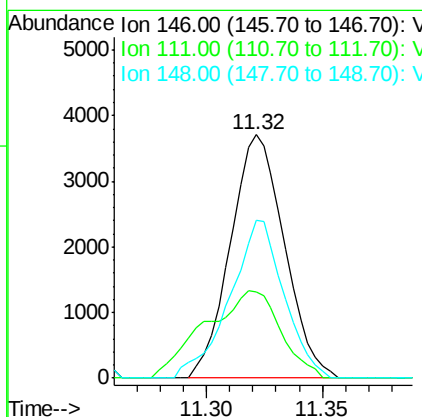
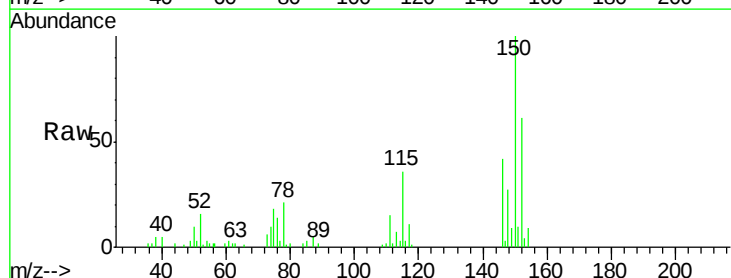
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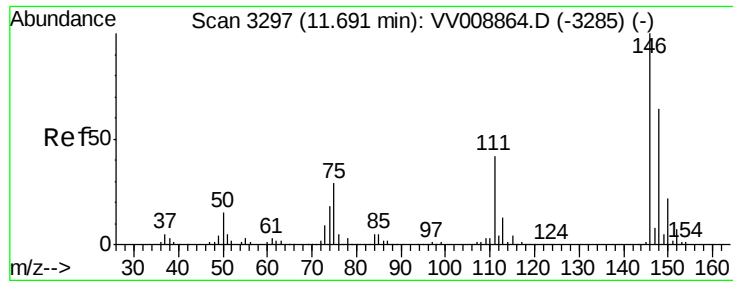
sam
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#64
 1,4-Dichlorobenzene
 Concen: 1.214 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	26.8	49.8
148	64.7	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 1.220 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Instrument :

MSVOA_V

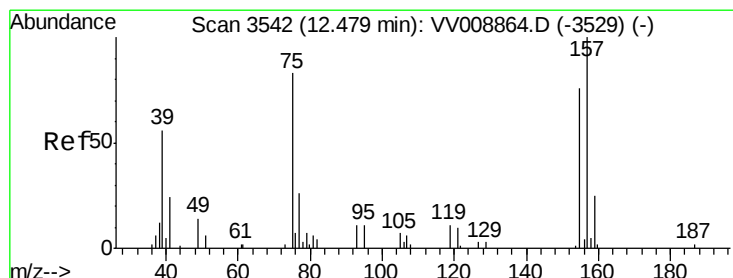
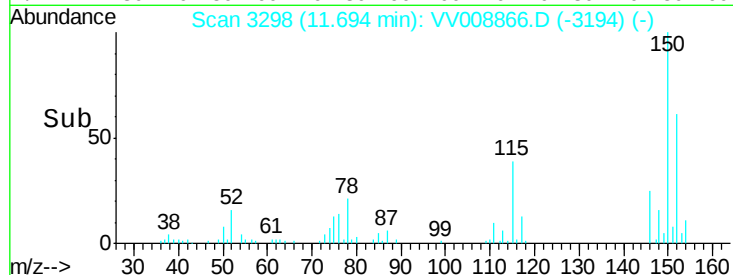
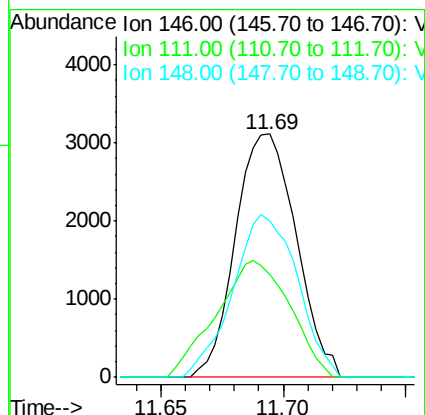
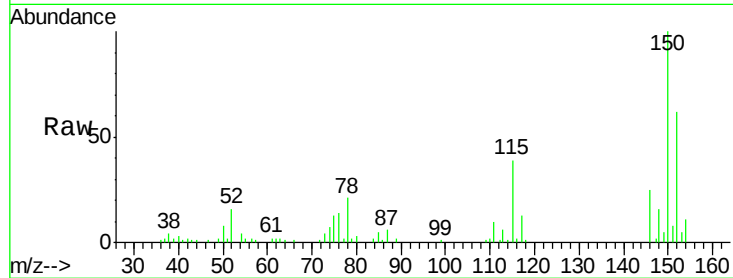
ClientSampled :

MDL01

Tgt Ion:	146	Resp:	5379
Ion Ratio	Lower	Upper	
146	100		
111	42.2	34.2	51.4
148	64.4	51.0	76.6

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.916 ug/L m

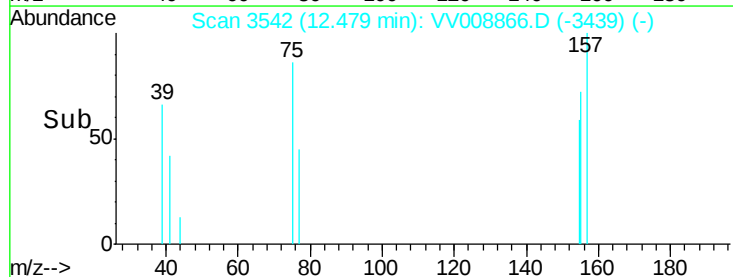
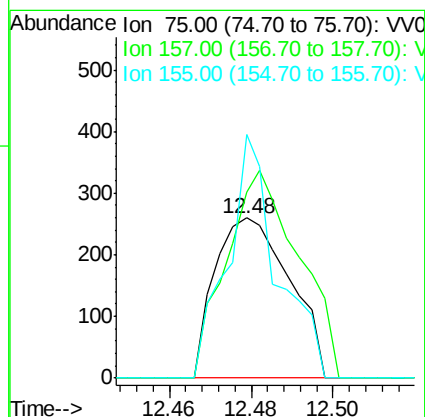
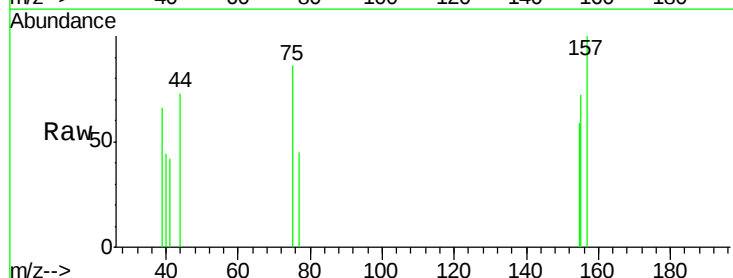
RT: 12.48 min Scan# 3542

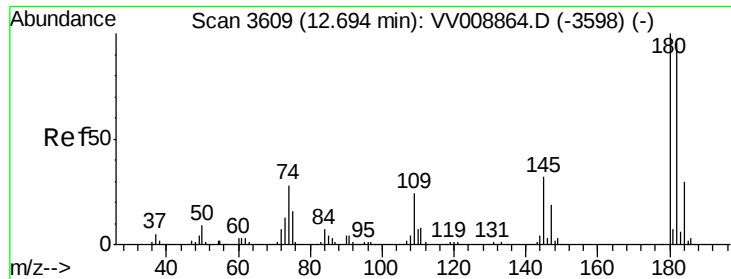
Delta R.T. -0.00 min

Lab File: VV008866.D

Acq: 06 Dec 2018 20:08

Tgt Ion:	75	Resp:	331
Ion Ratio	Lower	Upper	
75	100		
157	116.2	95.8	143.6
155	83.1	71.4	107.2





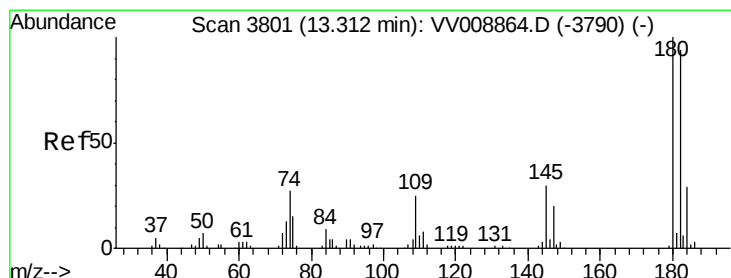
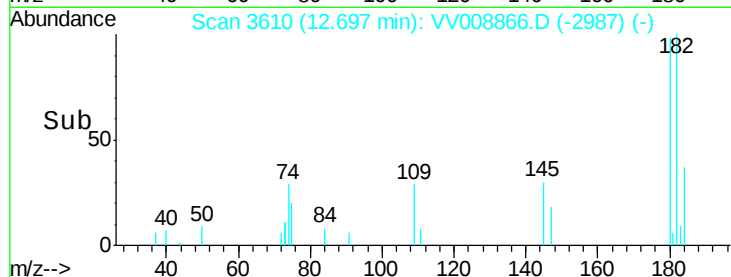
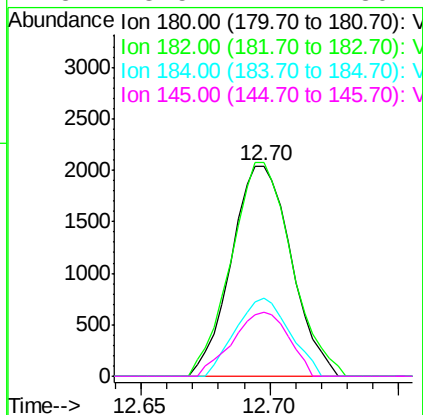
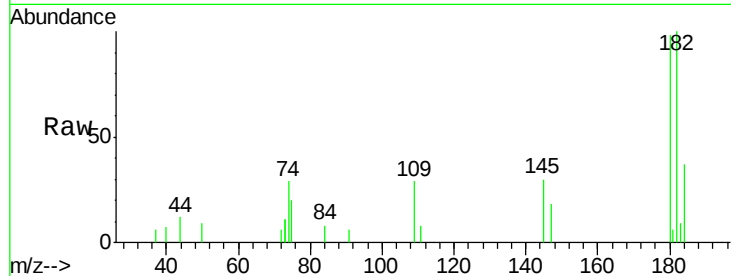
#67
 1,3,5-Trichlorobenzene
 Concen: 0.953 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.8	75.9	113.9
184	33.7	23.8	35.6
145	28.5	24.2	36.4

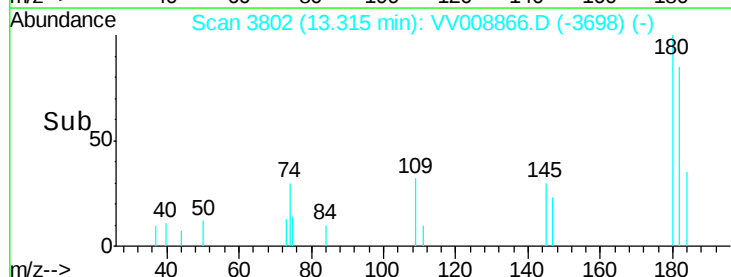
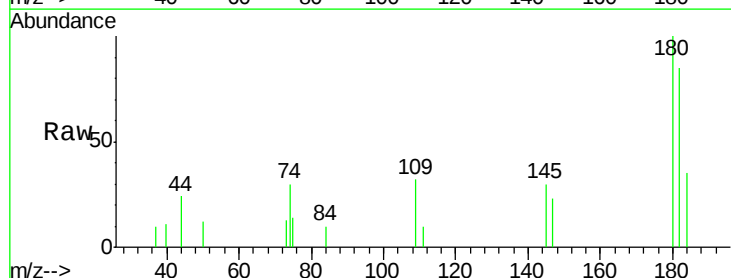
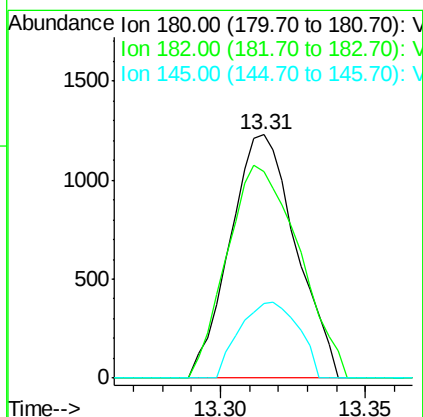
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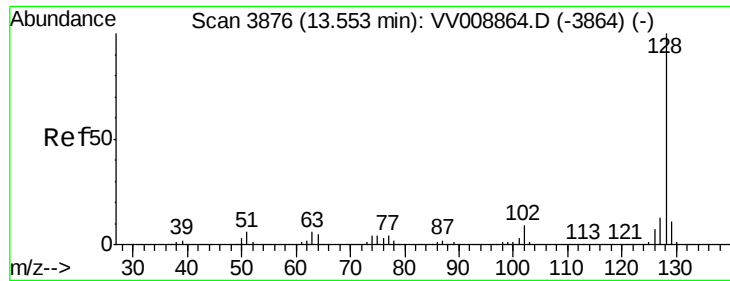
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#68
 1,2,4-trichlorobenzene
 Concen: 0.800 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008866.D
 Acq: 06 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.4	116.0
145	27.8	25.6	38.4





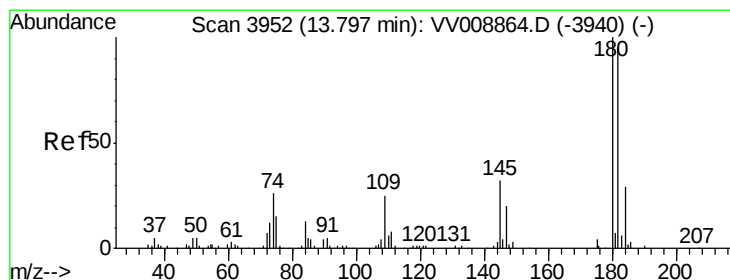
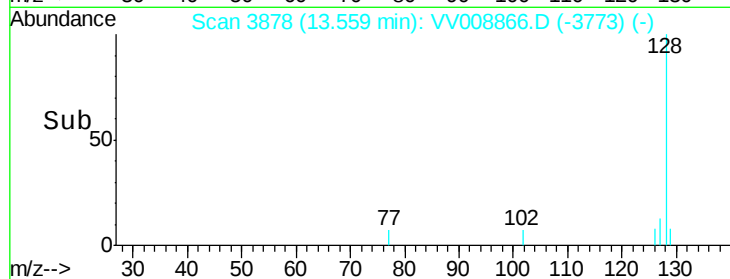
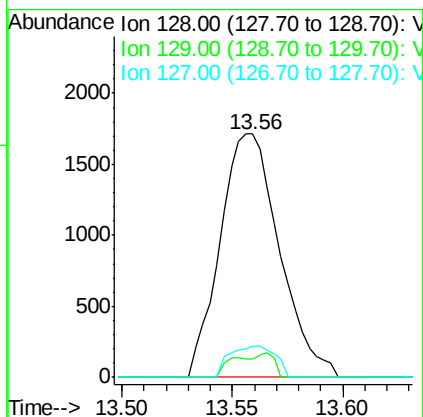
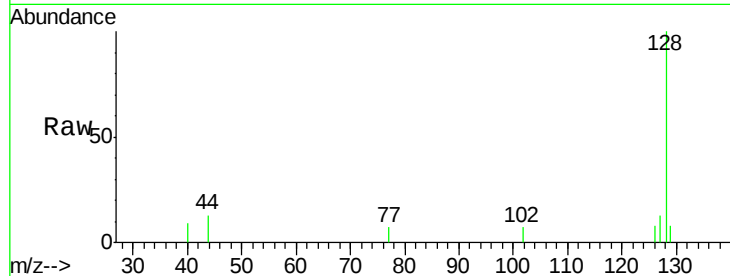
#69
Naphthalene
Concen: 0.766 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.01 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.6	8.6	13.0#
127	9.9	10.0	15.0#

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 0.827 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV008866.D
Acq: 06 Dec 2018 20:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
145	25.9	26.7	40.1#

