

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008872.D
 Acq On : 06 Dec 2018 23:01
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:33 PM

Quant Time: Dec 07 15:58:53 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	189230	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	166343	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71825	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53477	27.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.24%
7) Chloroethane-d5	1.58	69	39773	27.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.96%
10) 1,1-Dichloroethene-d2	2.13	63	110293	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.12%
20) 2-Butanone-d5	3.93	46	45393	63.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.34%
24) Chloroform-d	4.40	84	116100	25.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.08%
26) 1,2-Dichloroethane-d4	5.08	65	68276	27.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.00%
29) Benzene-d6	5.10	84	243676	26.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.92%
33) 1,2-Dichloropropane-d6	6.12	67	70101	26.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.80%
37) Toluene-d8	7.36	98	218157	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.48%
38) trans-1,3-Dichloropropene-	7.67	79	28817	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.88%
39) 2-Hexanone-d5	8.13	63	28880	60.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57624	26.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.64%
61) 1,2-Dichlorobenzene-d4	11.68	152	69411	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3735	1.204 ug/L #	83
3) Chloromethane	1.25	50	2696	1.265 ug/L	89
5) Vinyl chloride	1.32	62	2901	1.219 ug/L #	55
6) Bromomethane	1.53	94	1588	1.388 ug/L	86
8) Chloroethane	1.60	64	1715	1.287 ug/L	100
9) Trichlorofluoromethane	1.77	101	5333	1.308 ug/L	88
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4355	1.558 ug/L #	74
12) 1,1-Dichloroethene	2.14	96	3711	1.521 ug/L #	1
13) Acetone	2.20	43	3647	3.472 ug/L	76
14) Carbon disulfide	2.32	76	8367	1.068 ug/L	96
15) Methyl Acetate	2.46	43	1830	1.374 ug/L #	87
16) Methylene chloride	2.53	84	9296	2.917 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	6203	1.119 ug/L #	87
18) trans-1,2-Dichloroethene	2.79	96	2850	1.081 ug/L	95
19) 1,1-Dichloroethane	3.23	63	4636	1.085 ug/L	92
21) 2-Butanone	4.04	43	1053m	1.070 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3175	1.155 ug/L	94

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Manual Integrations
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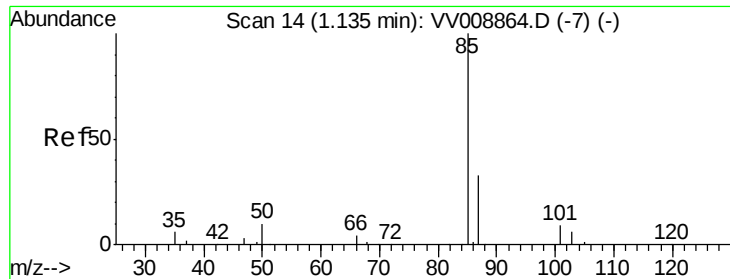
sam
 12/11/2018 4:25:33 PM

Quant Time: Dec 07 15:58:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	1423m	1.099	ug/L	
25) Chloroform	4.43	83	6956	1.517	ug/L	78
27) 1,2-Dichloroethane	5.19	62	3807	1.219	ug/L #	88
30) Cyclohexane	4.73	56	4386	1.047	ug/L	88
31) 1,1,1-Trichloroethane	4.66	97	4566	1.065	ug/L	100
32) Carbon tetrachloride	4.88	117	4024	1.028	ug/L	99
34) Benzene	5.15	78	10745	1.078	ug/L	100
35) Trichloroethene	5.96	95	3591	1.195	ug/L	98
36) Methylcyclohexane	6.18	83	5364	1.119	ug/L	99
40) 1,2-Dichloropropane	6.22	63	2610	1.091	ug/L #	85
41) Bromodichloromethane	6.55	83	3195m	1.013	ug/L	
42) cis-1,3-Dichloropropene	7.07	75	3744	1.069	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	4971	3.075	ug/L #	90
44) Toluene	7.43	91	12165	1.164	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	3337m	1.093	ug/L	
46) 1,1,2-Trichloroethane	7.89	97	1974	0.990	ug/L	94
47) Tetrachloroethene	8.02	164	2747	1.124	ug/L	93
49) 2-Hexanone	8.19	43	4527	3.385	ug/L #	93
50) Dibromochloromethane	8.29	129	2243	0.982	ug/L	95
51) 1,2-Dibromoethane	8.40	107	2170	1.084	ug/L #	95
52) Chlorobenzene	8.93	112	7667	1.127	ug/L	96
53) Ethylbenzene	9.06	91	11946	1.054	ug/L	97
54) m,p-Xylene	9.18	106	4581	1.067	ug/L	94
55) o-xylene	9.59	106	3903	0.978	ug/L	84
56) Styrene	9.60	104	5632	0.875	ug/L	90
57) Isopropylbenzene	9.98	105	11204	1.033	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.29	83	2890	1.341	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	2201	1.181	ug/L	99
62) Bromoform	9.78	173	1270	0.979	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	5208	1.125	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	5557	1.167	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	5328	1.249	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	314m	0.898	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3373	1.009	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	1996	0.852	ug/L	95
69) Naphthalene	13.56	128	2940	0.729	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	1781	0.823	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 1.204 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 85 Resp: 3735

Ion Ratio Lower Upper

85 100

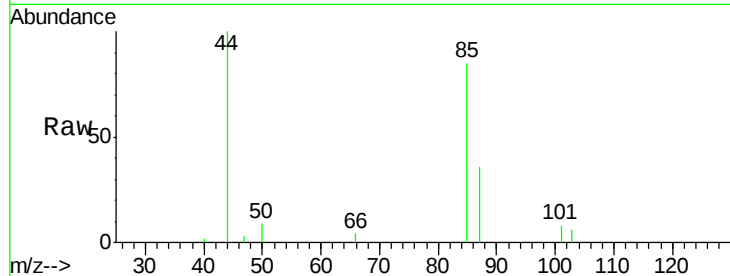
87 41.7 22.4 41.6#

Manual Integrations

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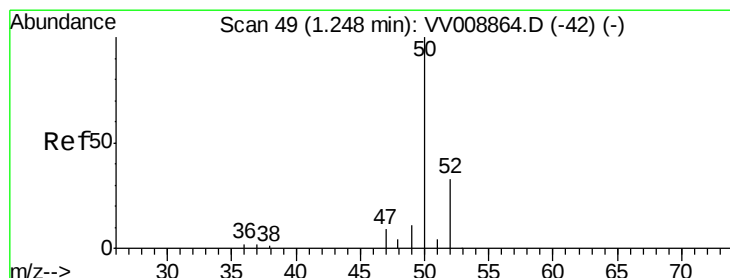
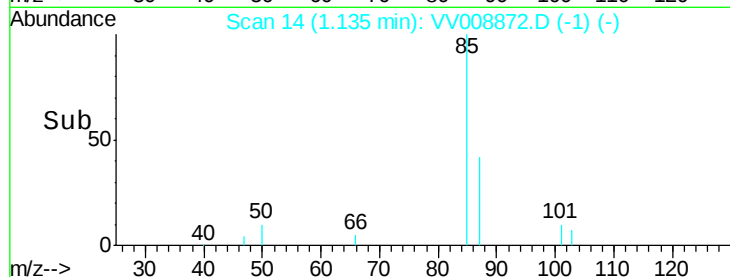
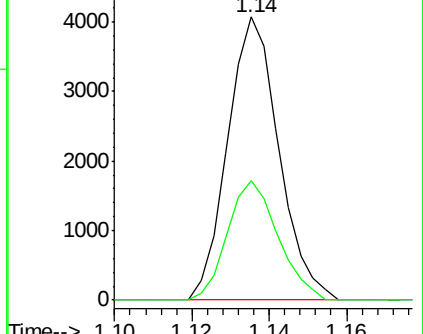
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Abundance Ion 85.00 (84.70 to 85.70): VV008864.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008864.D (-7) (-)



#3

Chloromethane

Concen: 1.265 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008872.D

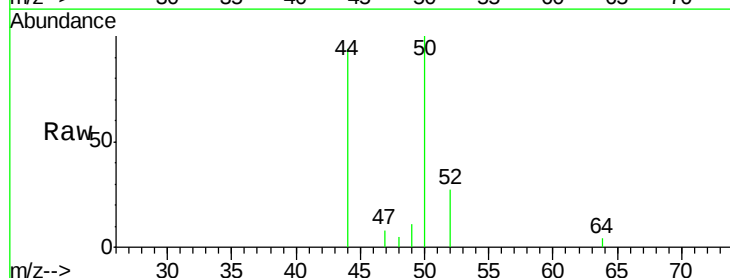
Acq: 06 Dec 2018 23:01

Tgt Ion: 50 Resp: 2696

Ion Ratio Lower Upper

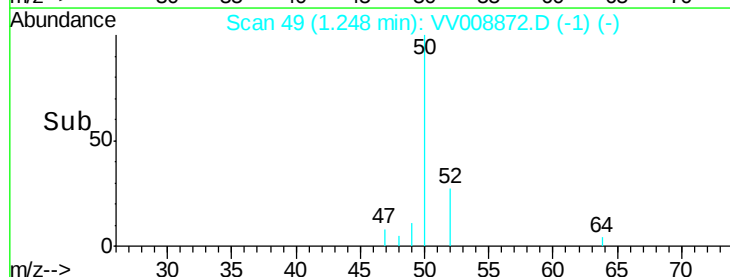
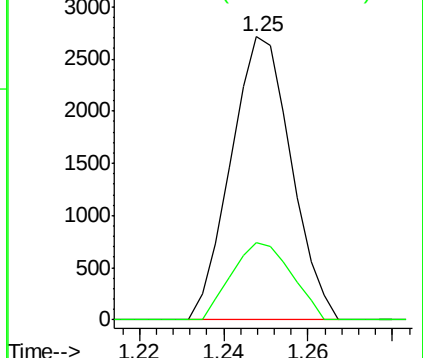
50 100

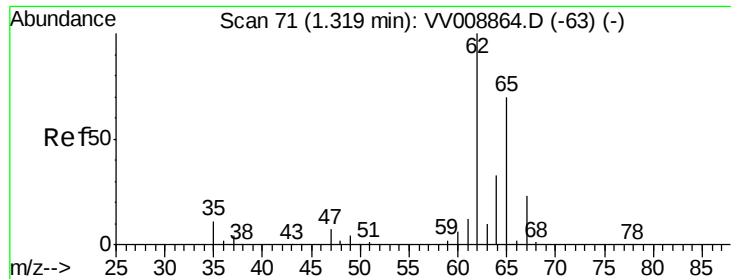
52 27.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008864.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008864.D (-42) (-)





#5

Vinyl chloride

Concen: 1.219 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 62 Resp: 2901

Ion Ratio Lower Upper

62 100

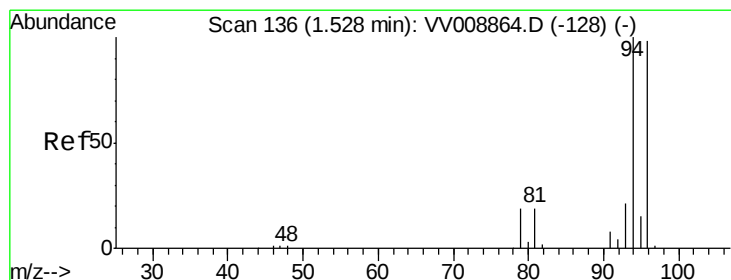
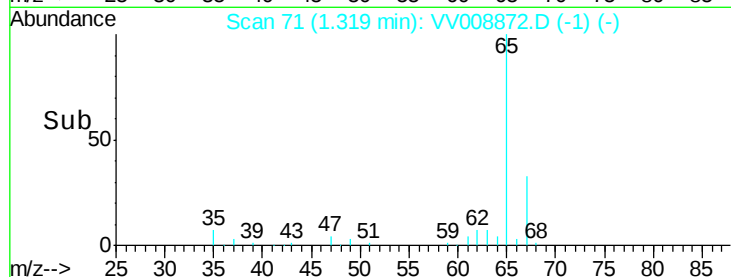
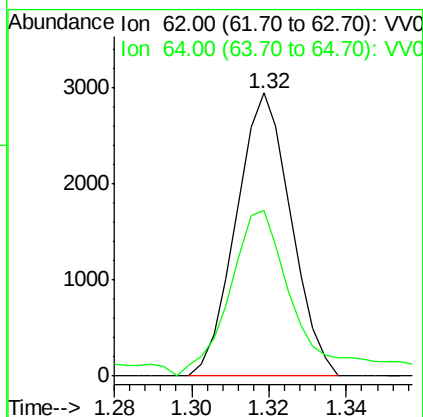
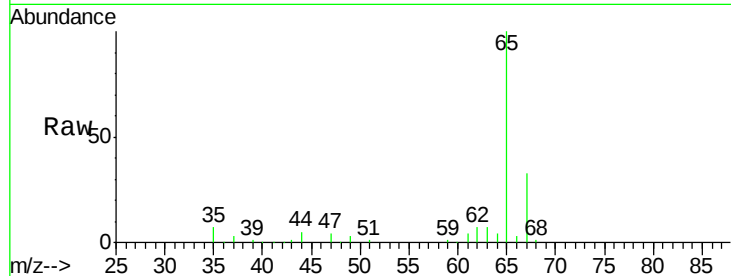
64 58.6 23.3 43.3#

Manual Integrations

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#6

Bromomethane

Concen: 1.388 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008872.D

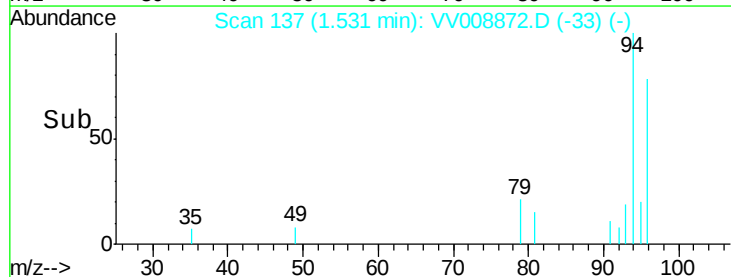
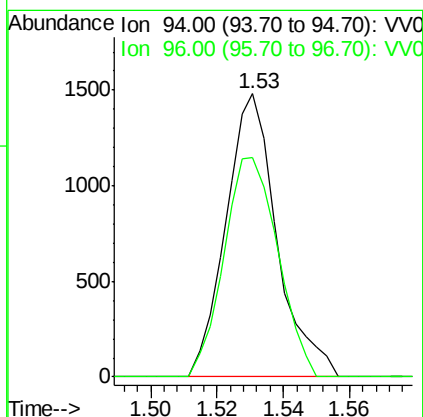
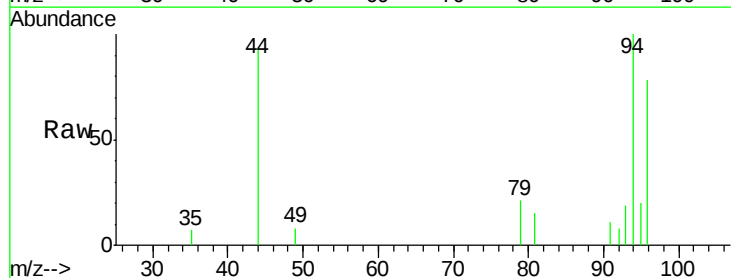
Acq: 06 Dec 2018 23:01

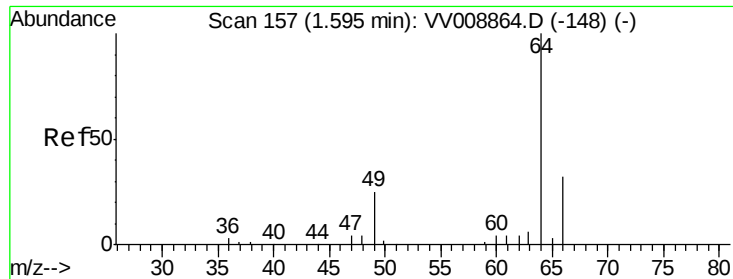
Tgt Ion: 94 Resp: 1588

Ion Ratio Lower Upper

94 100

96 81.5 9.5 180.9





#8

Chloroethane

Concen: 1.287 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 64 Resp: 1715

Ion Ratio Lower Upper

64 100

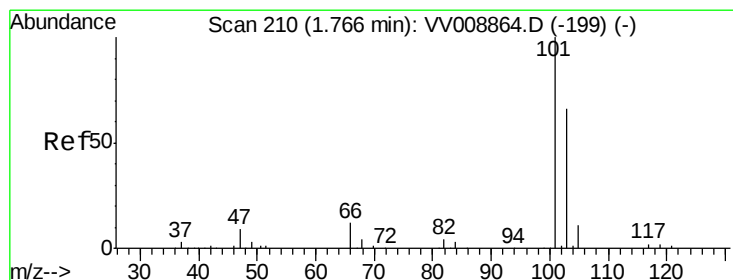
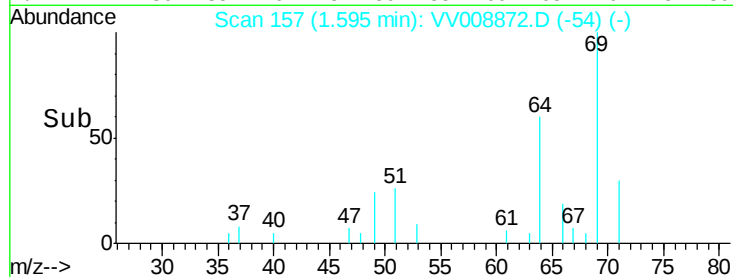
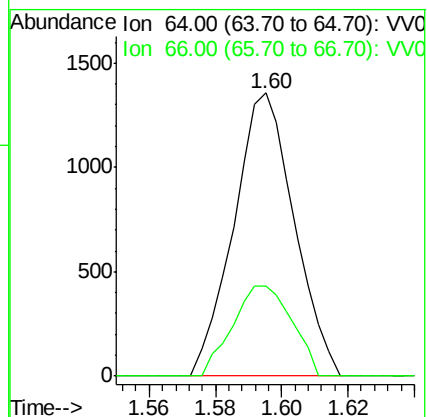
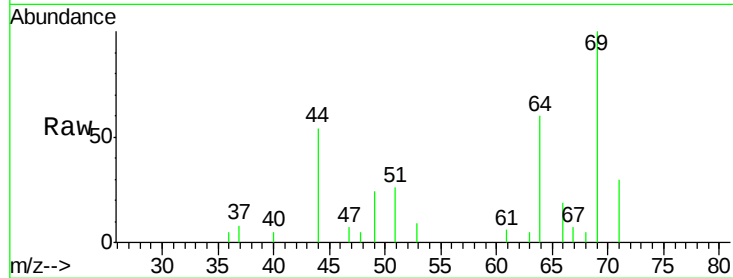
66 31.6 22.2 41.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.308 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV008872.D

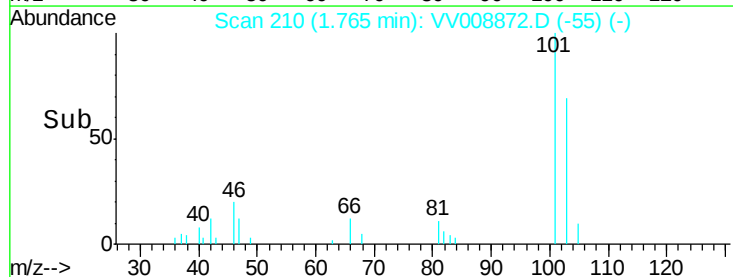
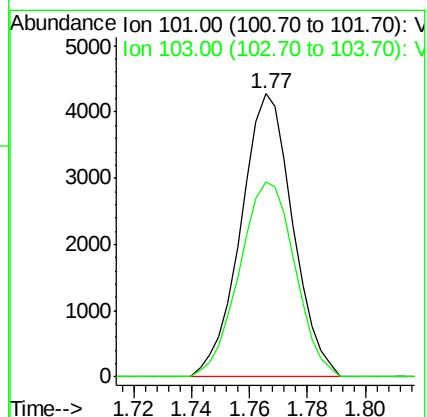
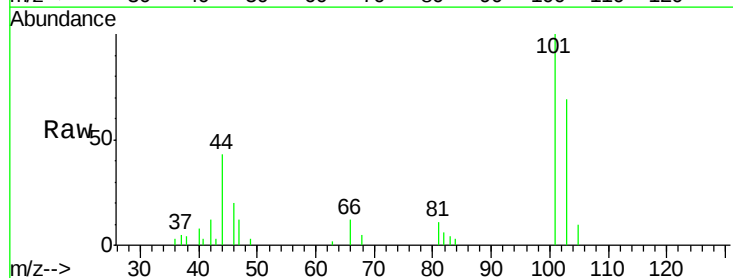
Acq: 06 Dec 2018 23:01

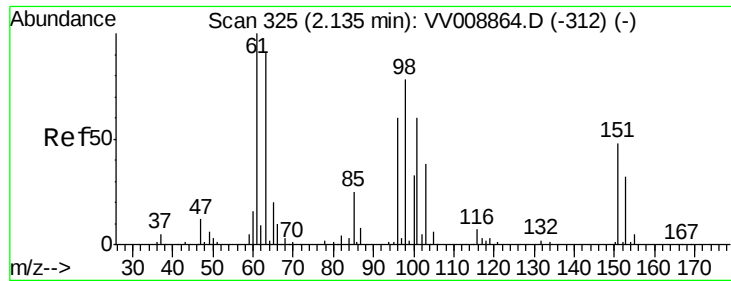
Tgt Ion: 101 Resp: 5333

Ion Ratio Lower Upper

101 100

103 73.3 44.8 83.2





#11

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

Concen: 1.558 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

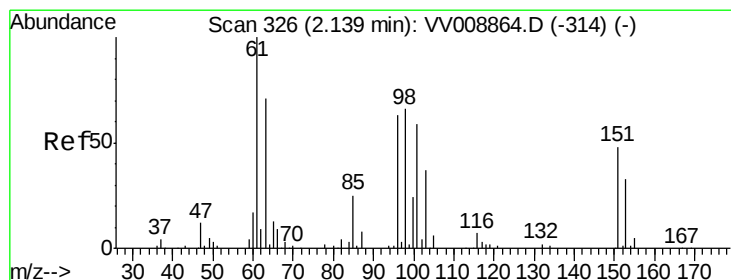
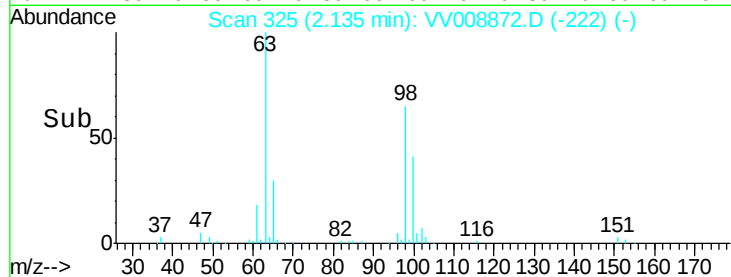
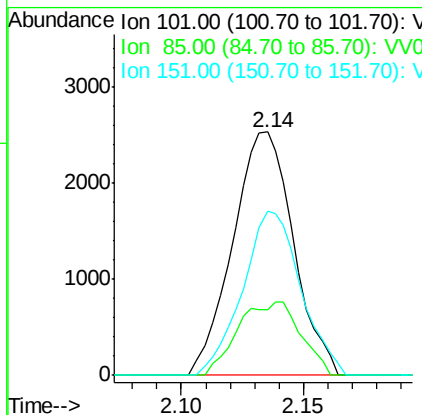
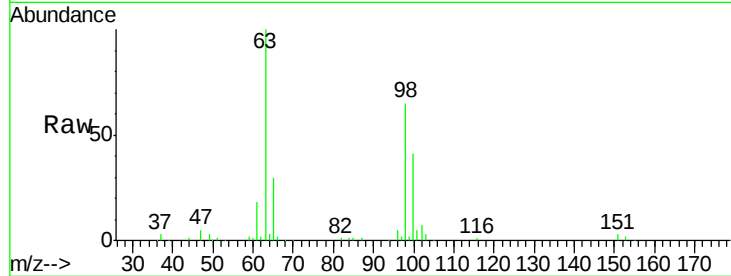
ClientSampleId :

MDL07

Tgt Ion:	101	Resp:	4355
Ion Ratio	Lower	Upper	
101	100		
85	13.4	32.5	48.7#
151	64.7	64.2	96.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.521 ug/L

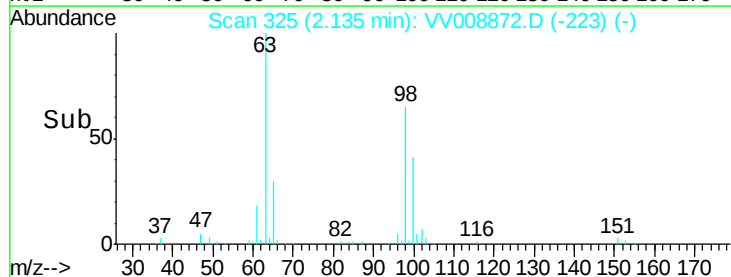
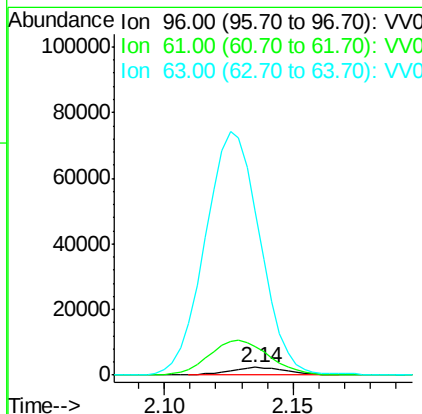
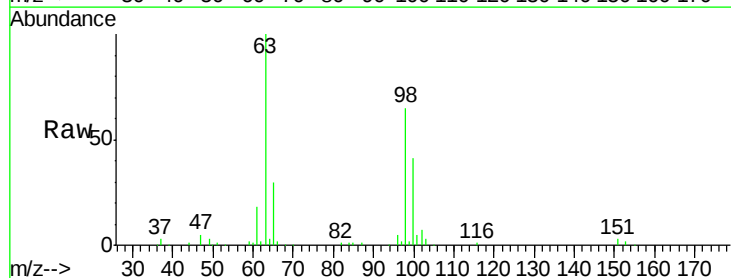
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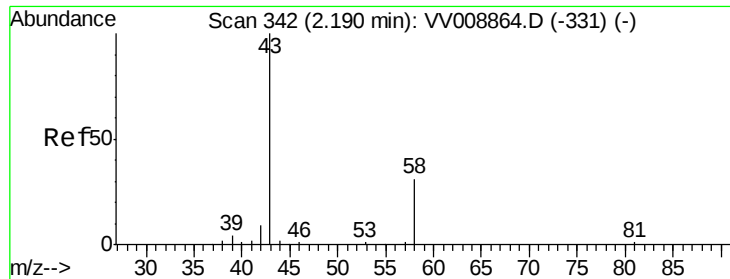
Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Tgt Ion:	96	Resp:	3711
Ion Ratio	Lower	Upper	
96	100		
61	385.8	114.0	211.6#
63	2180.5	82.4	153.0#





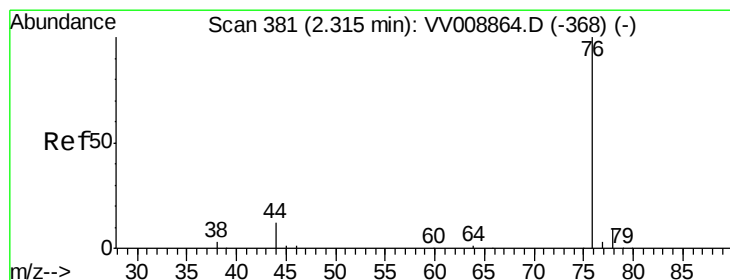
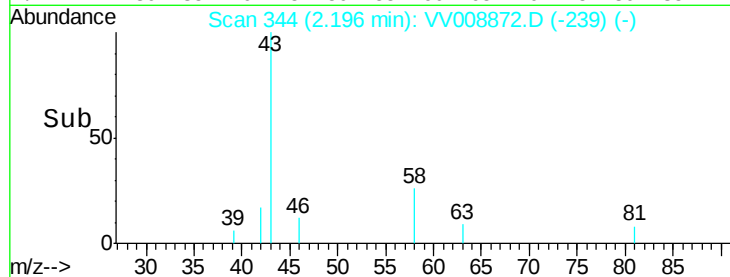
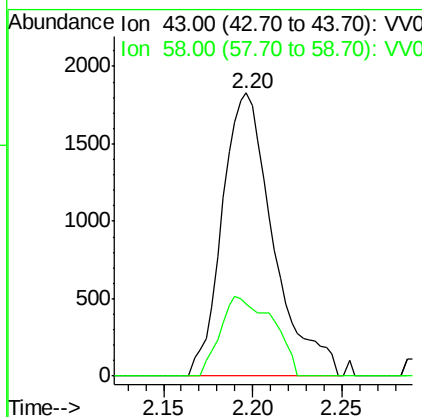
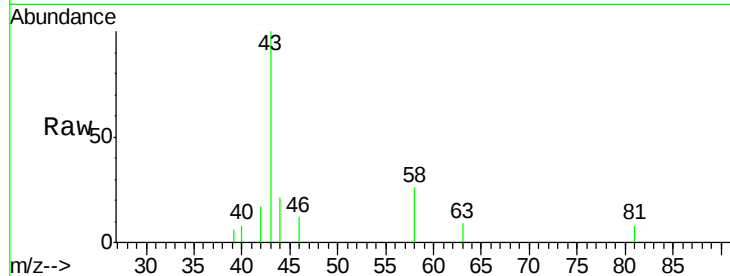
#13
Acetone
Concen: 3.472 ug/L
RT: 2.20 min Scan# 344
Delta R.T. 0.01 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.3	0.0	65.4

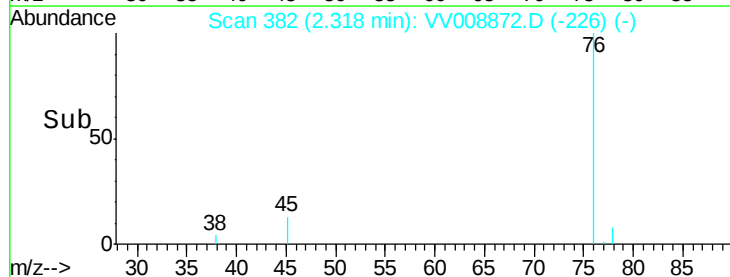
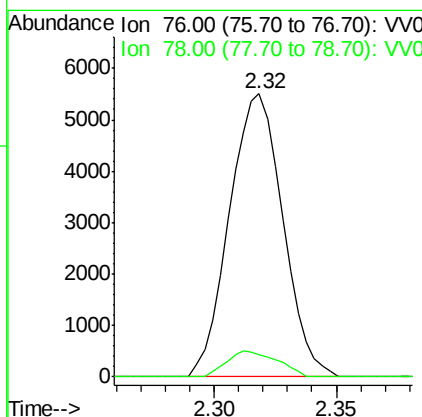
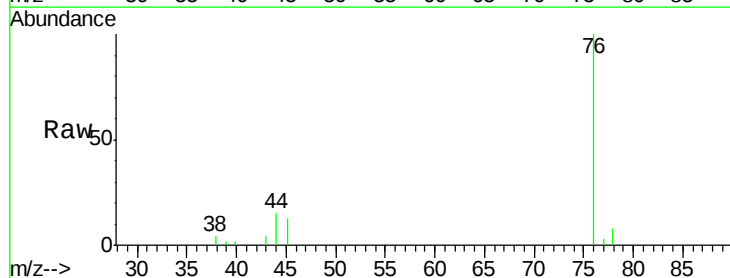
Manual Integrations
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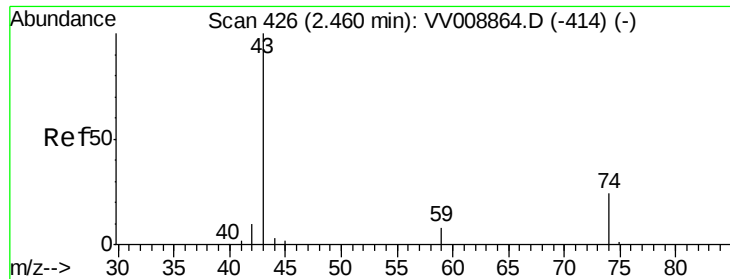
sam
12/11/2018 4:25:33 PM



#14
Carbon disulfide
Concen: 1.068 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.4	11.0





#15

Methyl Acetate

Concen: 1.374 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion: 43 Resp: 1830

Ion Ratio Lower Upper

43 100

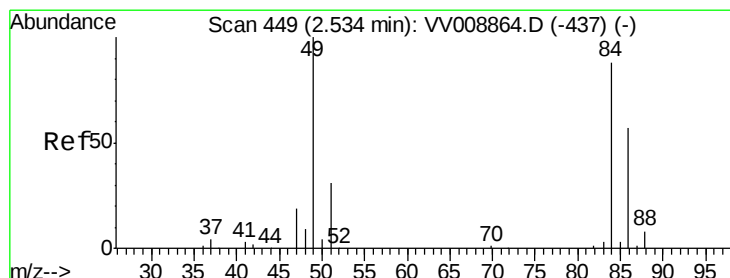
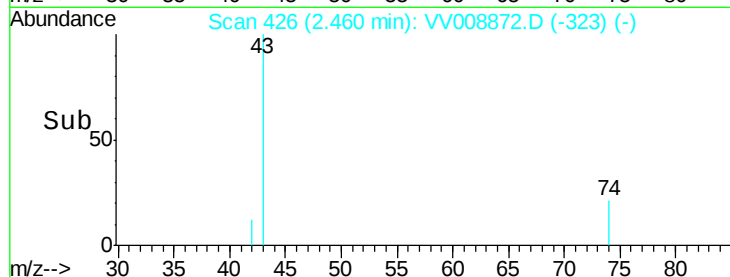
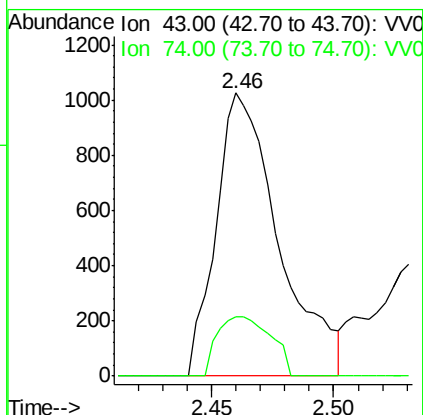
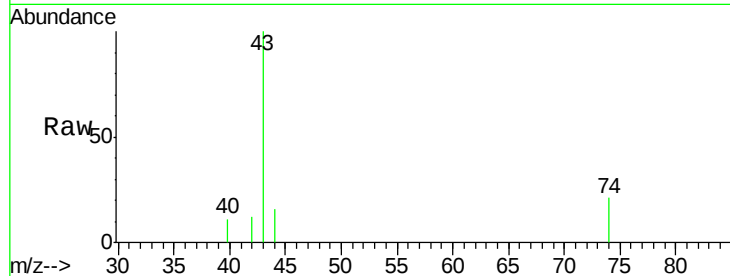
74 18.0 19.7 29.5#

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#16

Methylene chloride

Concen: 2.917 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

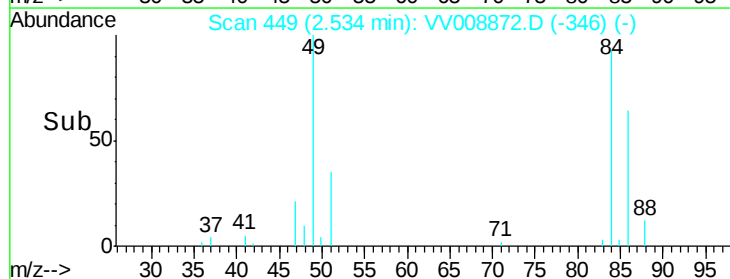
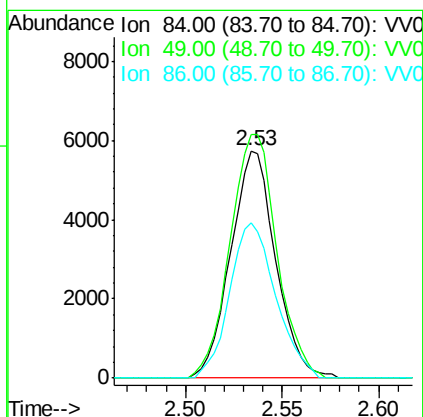
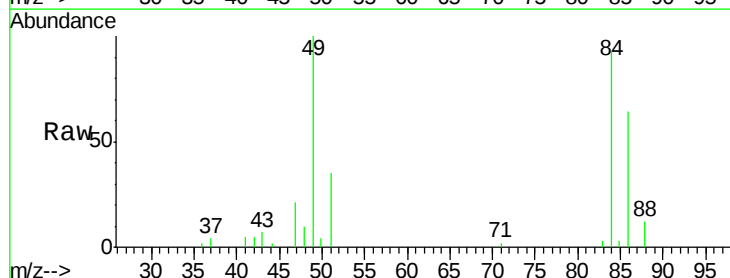
Tgt Ion: 84 Resp: 9296

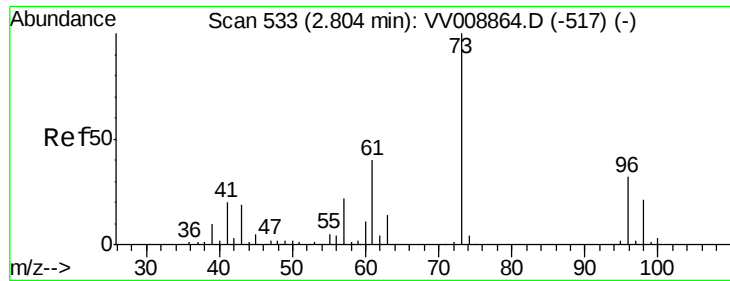
Ion Ratio Lower Upper

84 100

49 107.1 80.5 149.5

86 68.1 45.5 84.5





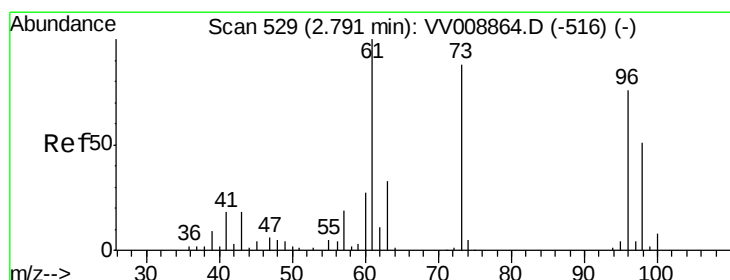
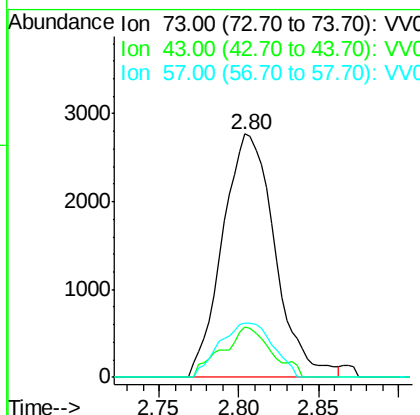
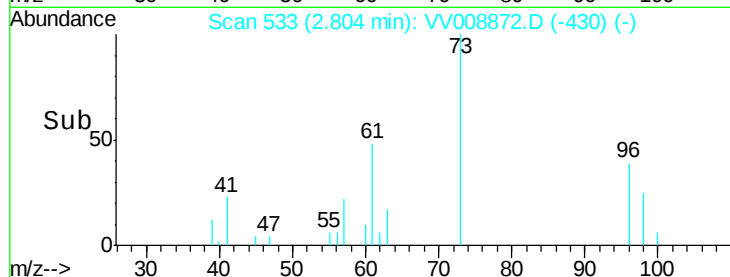
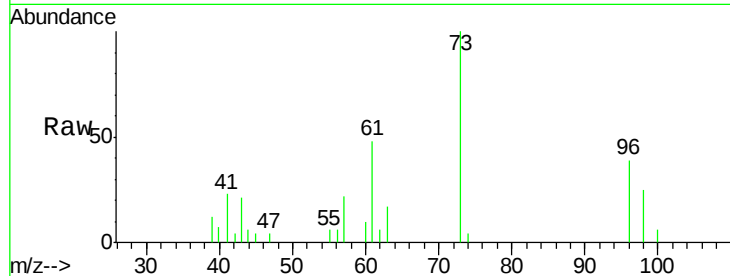
#17
Methyl tert-butyl Ether
Concen: 1.119 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion: 73 Resp: 6203
Ion Ratio Lower Upper
73 100
43 9.8 14.9 22.3#
57 22.7 16.0 24.0

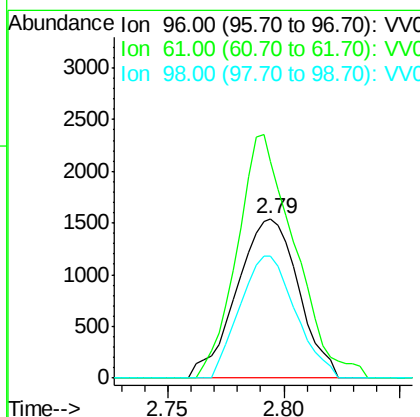
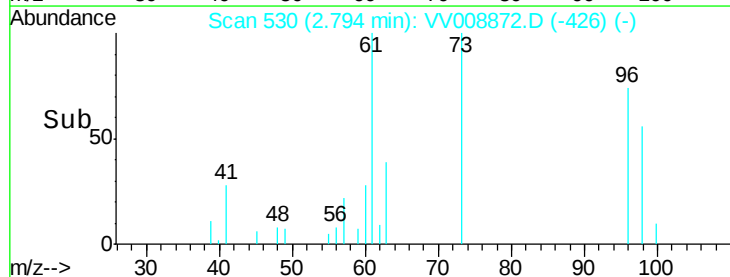
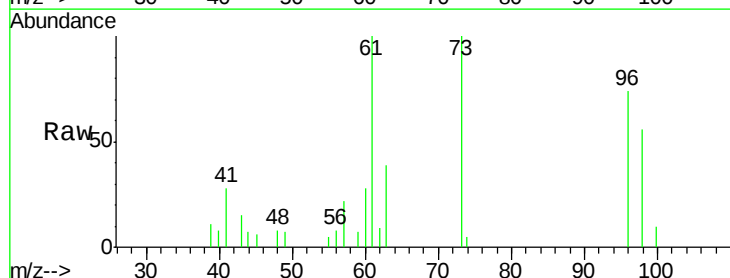
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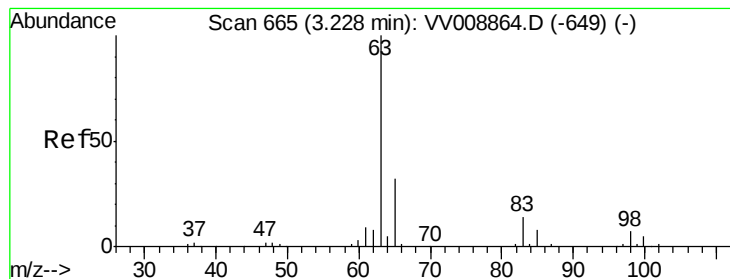
sam
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#18
trans-1,2-Dichloroethene
Concen: 1.081 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Tgt Ion: 96 Resp: 2850
Ion Ratio Lower Upper
96 100
61 135.3 94.6 175.8
98 76.1 45.3 84.1





#19

1,1-Dichloroethane

Concen: 1.085 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

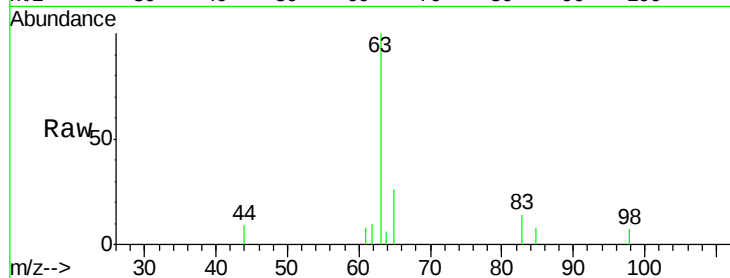
ClientSampled :

MDL07

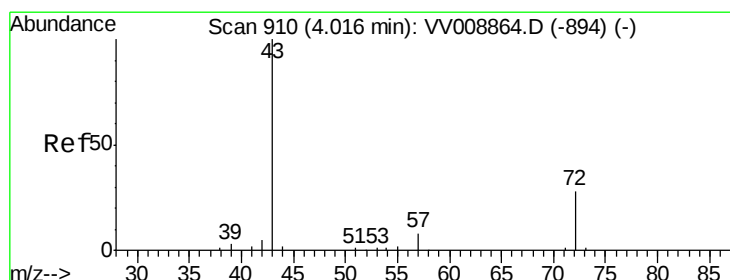
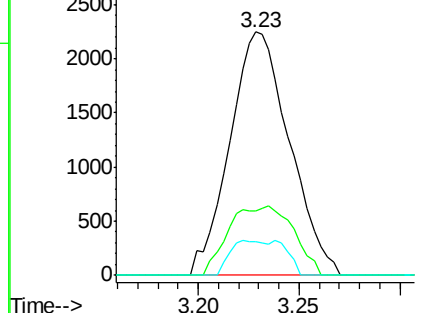
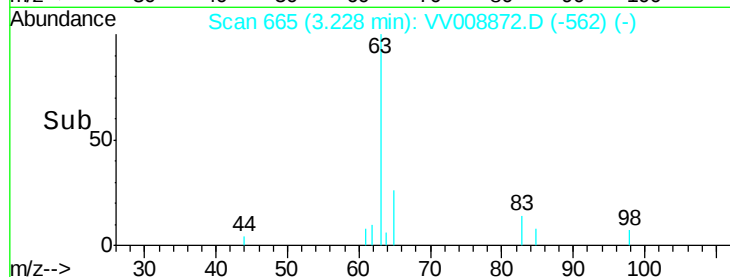
Tgt Ion:	63	Resp:	4636
Ion	Ratio	Lower	Upper
63	100		
65	26.2	22.7	42.1
83	13.9	10.2	19.0

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VV008872.D (-562) (-)



#21

2-Butanone

Concen: 1.070 ug/L m

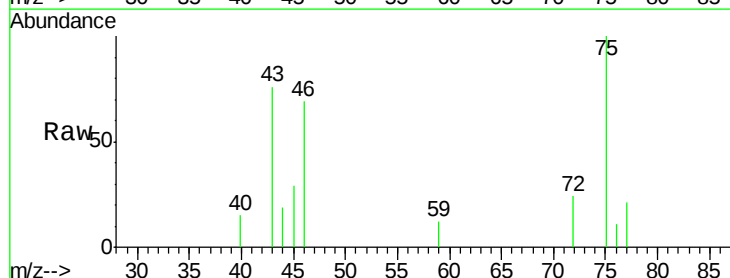
RT: 4.04 min Scan# 916

Delta R.T. 0.02 min

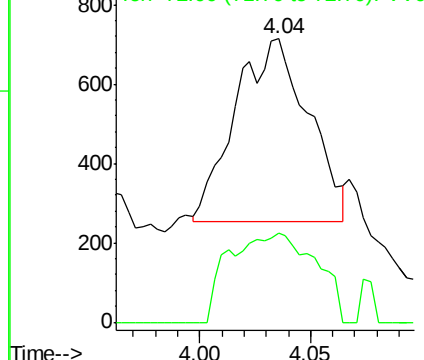
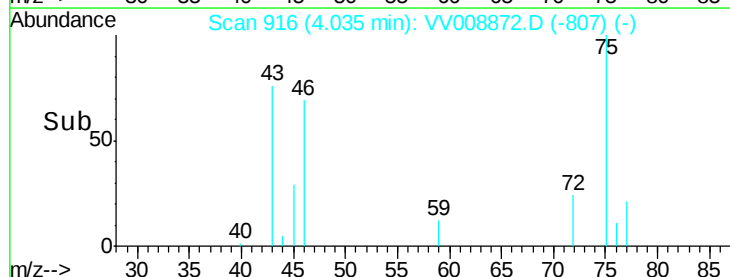
Lab File: VV008872.D

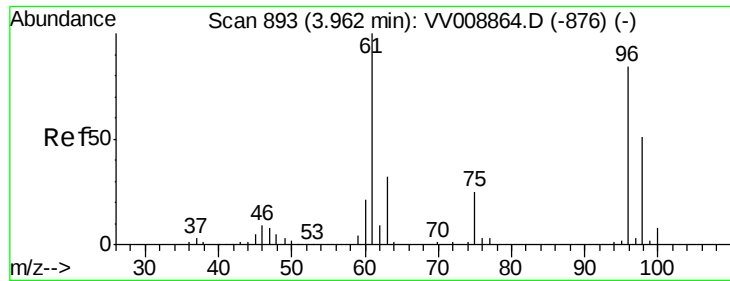
Acq: 06 Dec 2018 23:01

Tgt Ion:	43	Resp:	1053
Ion	Ratio	Lower	Upper
43	100		
72	11.5	13.7	41.1#



Abundance Ion 43.00 (42.70 to 43.70): VV008872.D (-807) (-)





#22

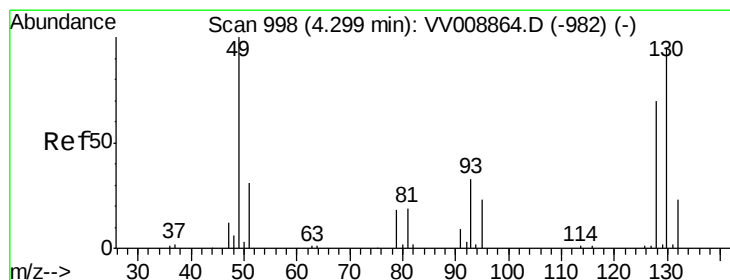
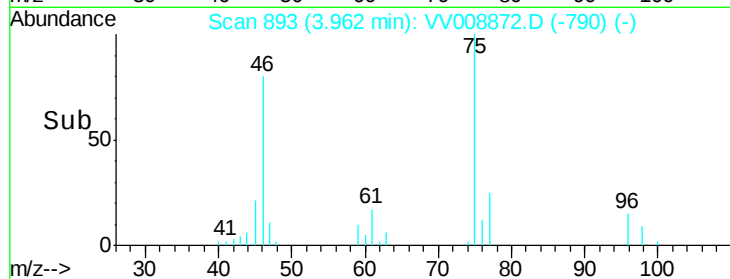
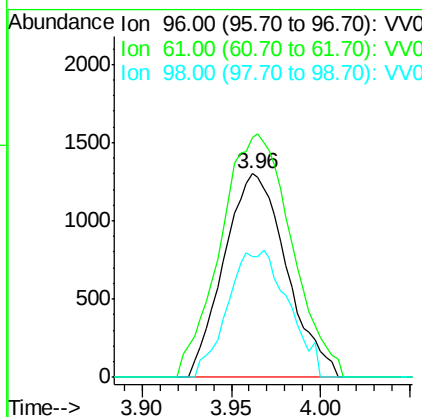
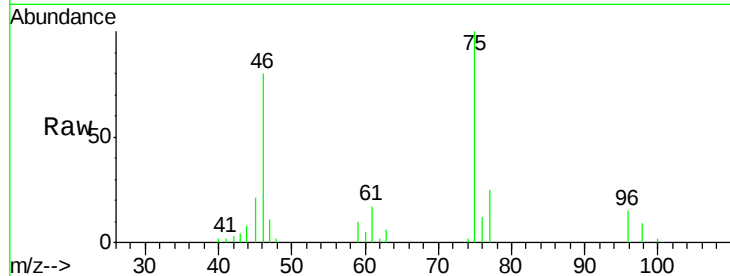
cis-1,2-Dichloroethene
 Concen: 1.155 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.4	86.2	160.0
98	59.2	45.6	84.6

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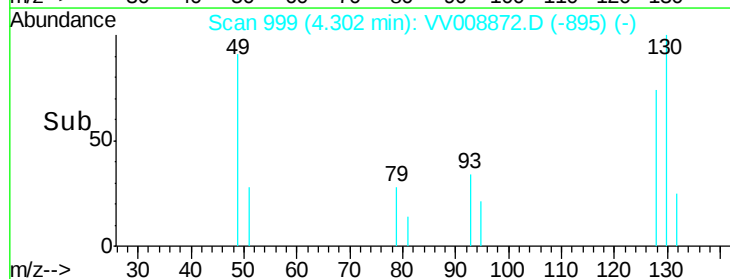
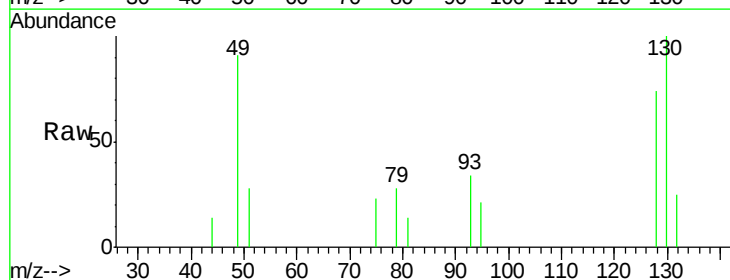
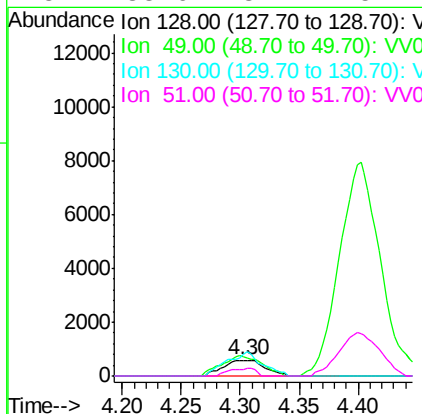
sam
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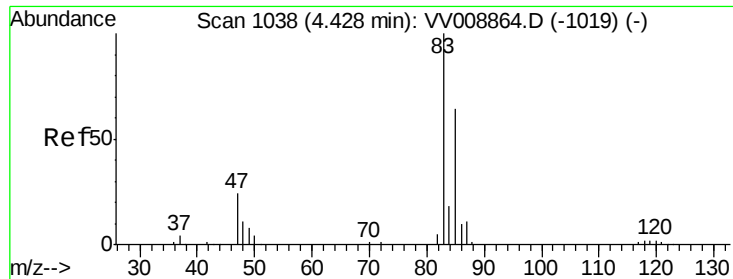


#23

Bromochloromethane
 Concen: 1.099 ug/L m
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Tgt Ion	Ratio	Lower	Upper
128	100		
49	123.2	93.8	174.2
130	136.0	90.4	168.0
51	38.6	34.2	51.4





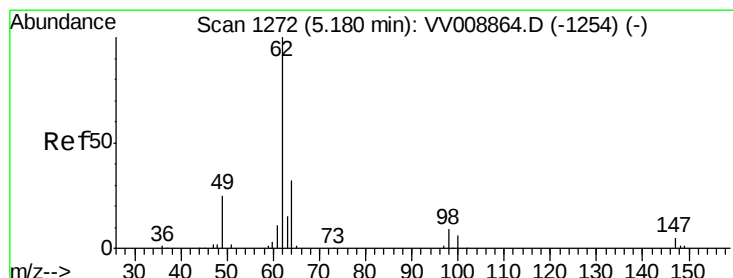
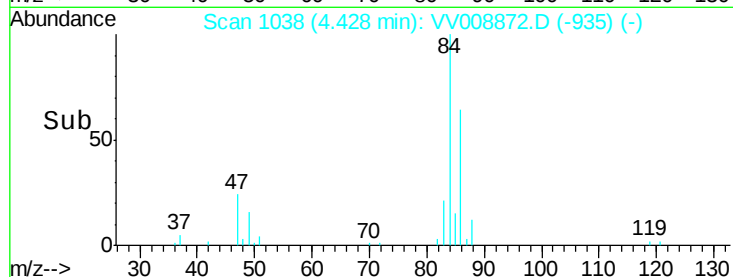
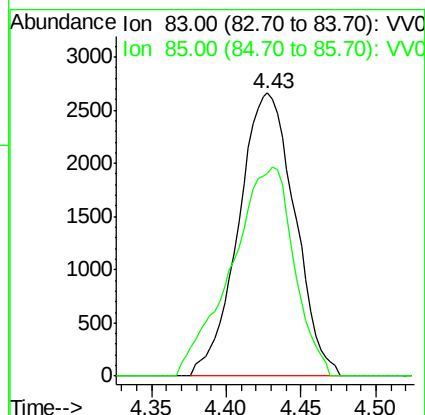
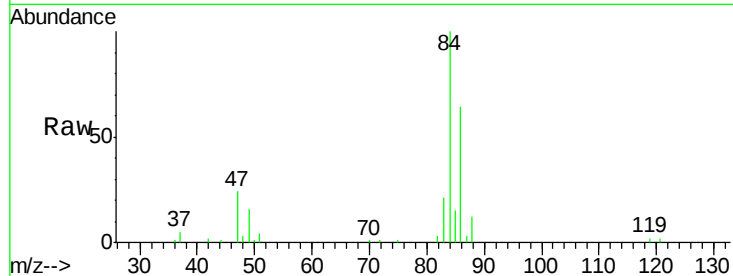
#25
Chloroform
Concen: 1.517 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 83 Resp: 6956
Ion Ratio Lower Upper
83 100
85 82.6 45.6 84.8

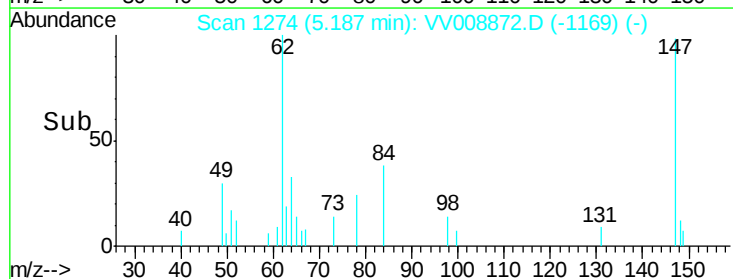
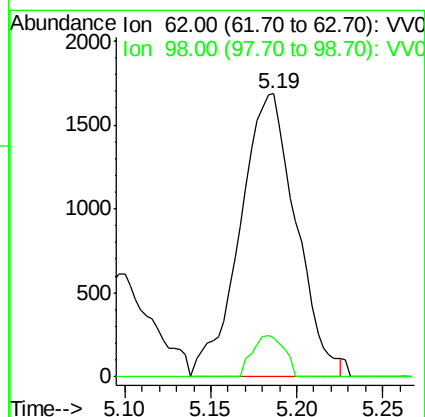
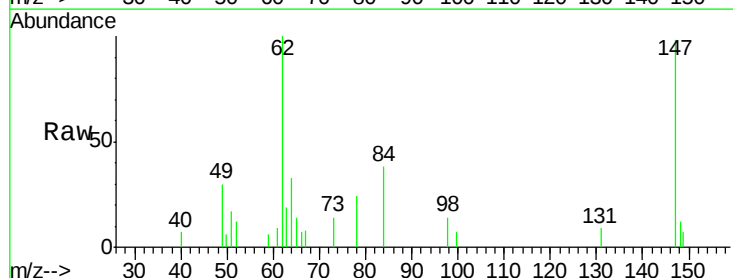
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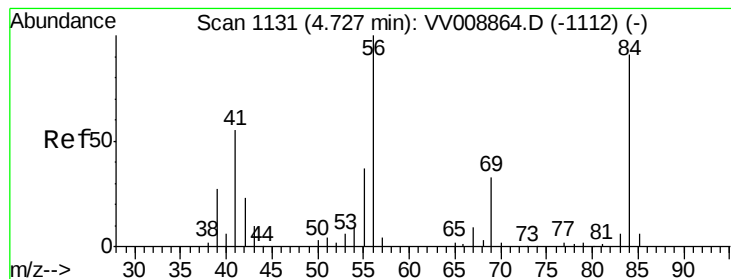
sam
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#27
1,2-Dichloroethane
Concen: 1.219 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Tgt Ion: 62 Resp: 3807
Ion Ratio Lower Upper
62 100
98 13.6 7.4 11.0#





#30

Cyclohexane

Concen: 1.047 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

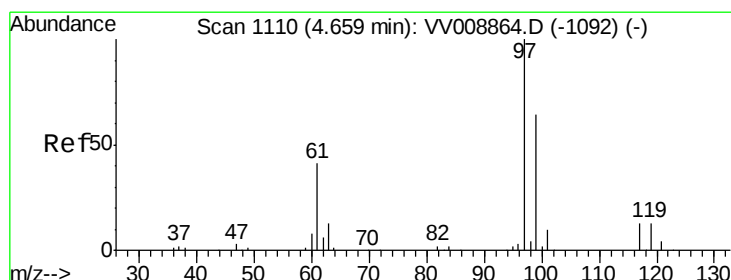
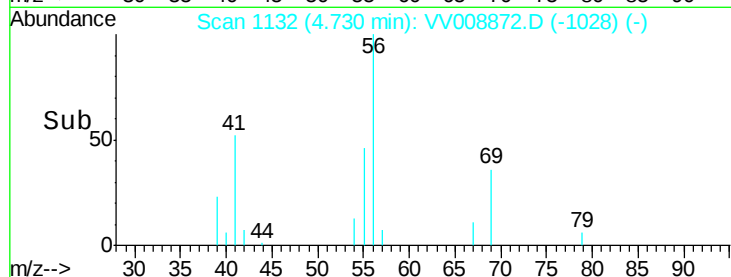
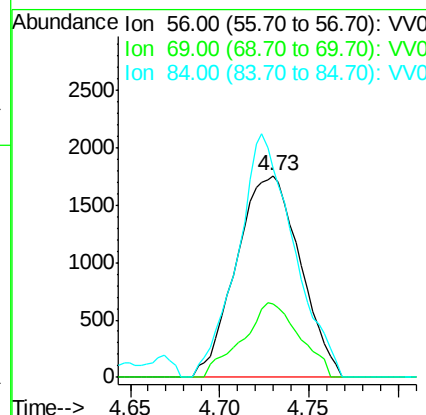
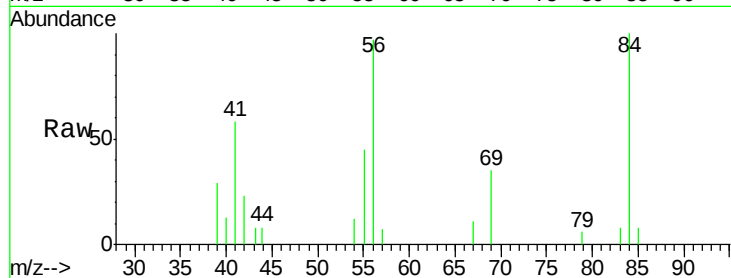
ClientSampled :

MDL07

Tgt Ion:	56	Resp:	4386
Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.8	38.8
84	106.0	73.0	109.6

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#31

1,1,1-Trichloroethane

Concen: 1.065 ug/L

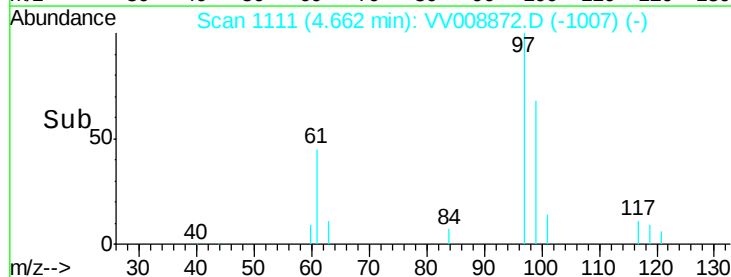
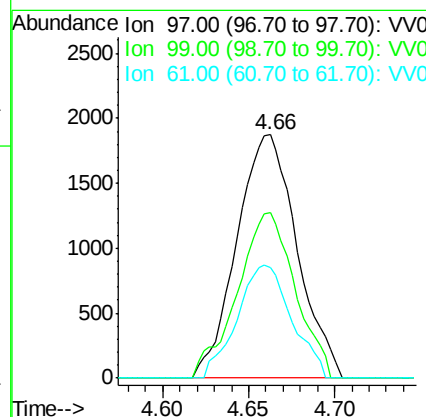
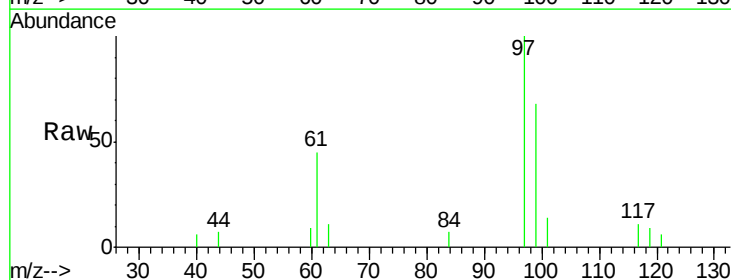
RT: 4.66 min Scan# 1111

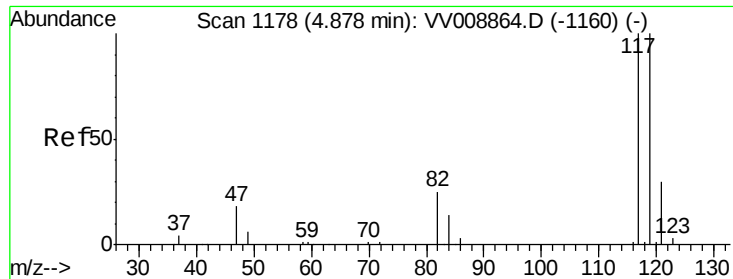
Delta R.T. 0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Tgt Ion:	97	Resp:	4566
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.9	77.9
61	41.7	33.1	49.7





#32

Carbon tetrachloride

Concen: 1.028 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion:117 Resp: 4024

Ion Ratio Lower Upper

117 100

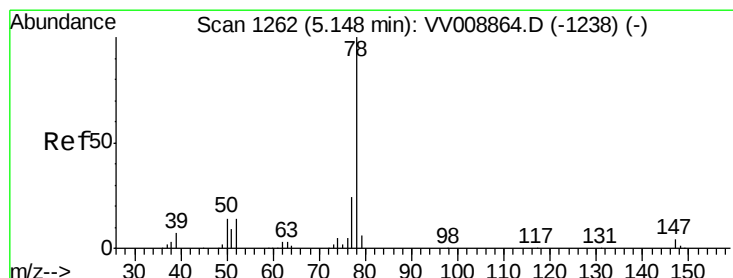
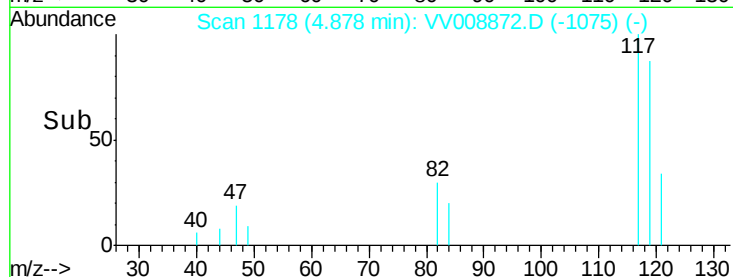
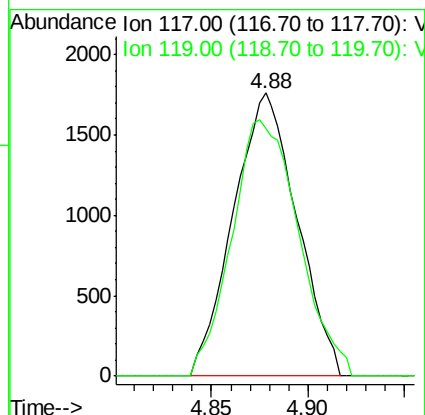
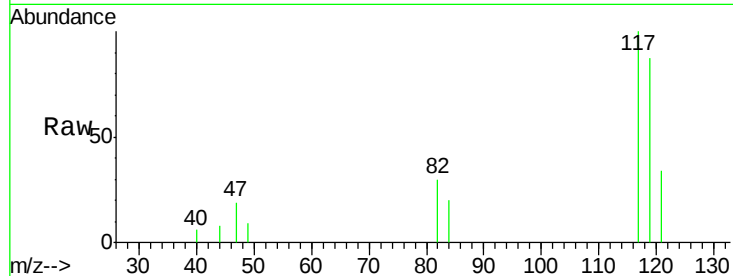
119 95.0 77.1 115.7

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#34

Benzene

Concen: 1.078 ug/L

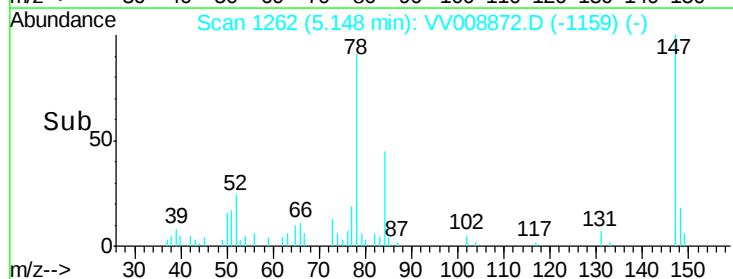
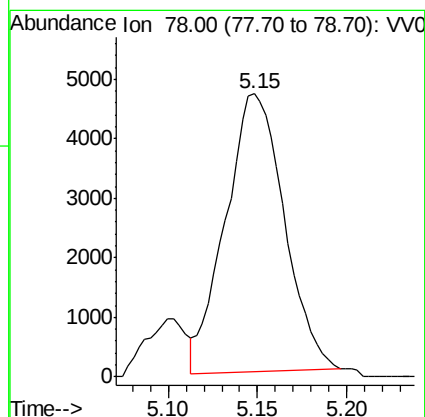
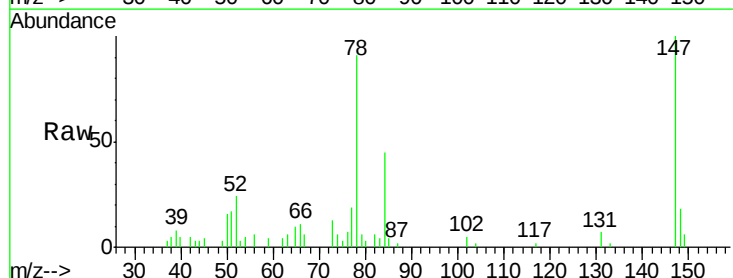
RT: 5.15 min Scan# 1262

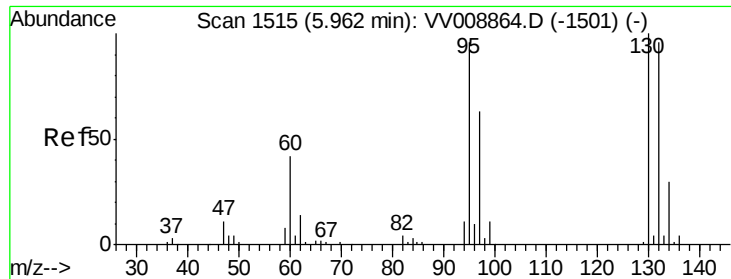
Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Tgt Ion: 78 Resp: 10745





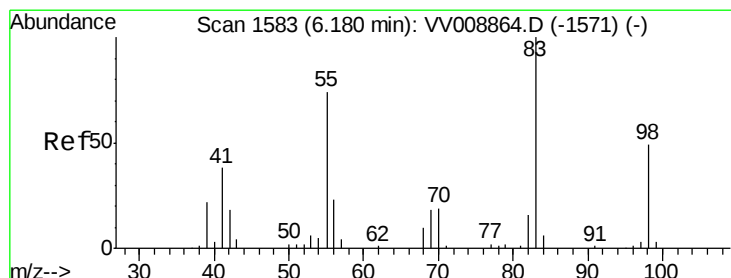
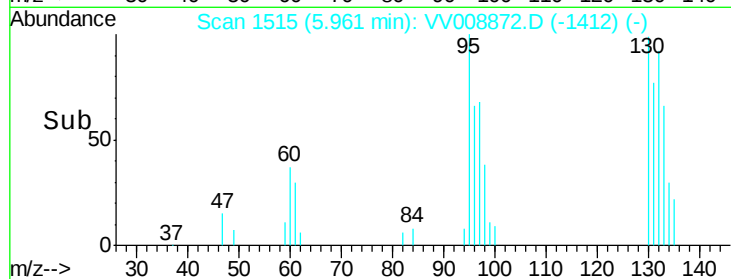
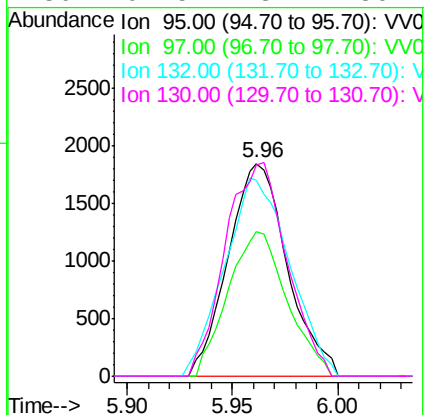
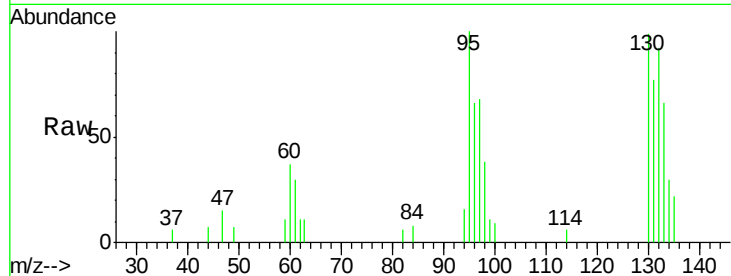
#35
 Trichloroethene
 Concen: 1.195 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 95 Resp: 3591
 Ion Ratio Lower Upper
 95 100
 97 67.7 45.3 84.1
 132 102.5 70.0 130.0
 130 104.5 73.4 136.4

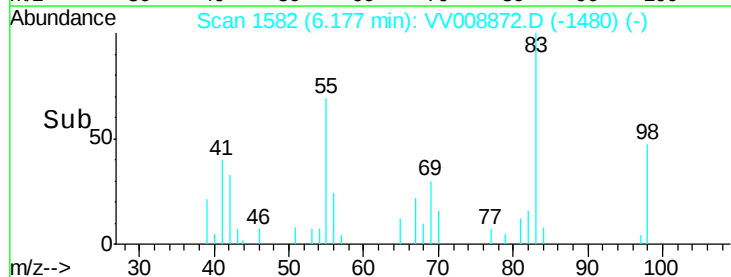
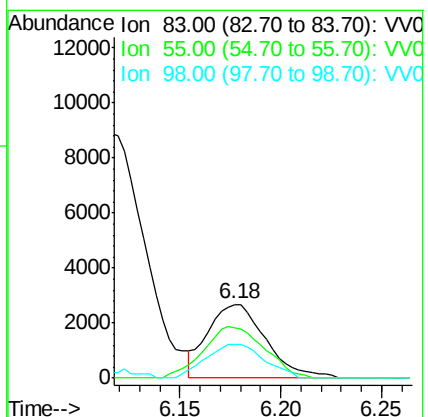
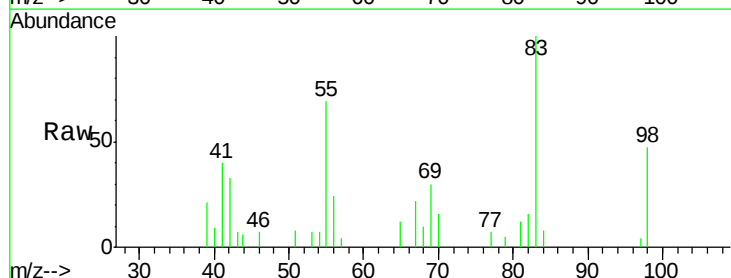
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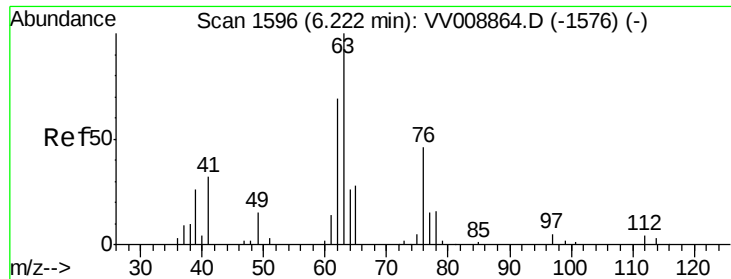
sam
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#36
 Methylcyclohexane
 Concen: 1.119 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Tgt Ion: 83 Resp: 5364
 Ion Ratio Lower Upper
 83 100
 55 73.2 58.2 87.2
 98 46.2 37.8 56.8





#40

1,2-Dichloropropane

Concen: 1.091 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion: 63 Resp: 2610

Ion Ratio Lower Upper

63 100

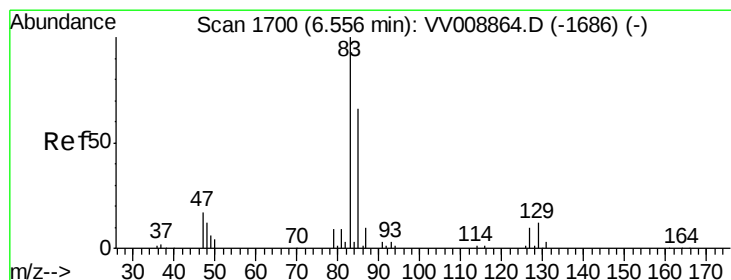
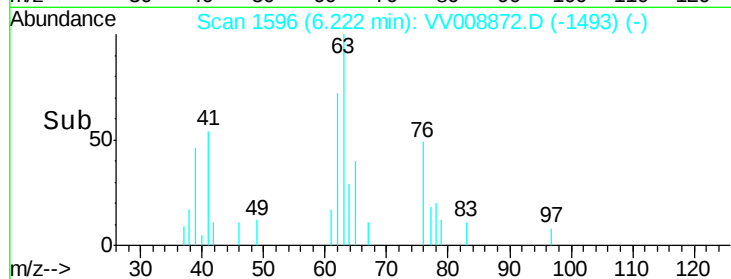
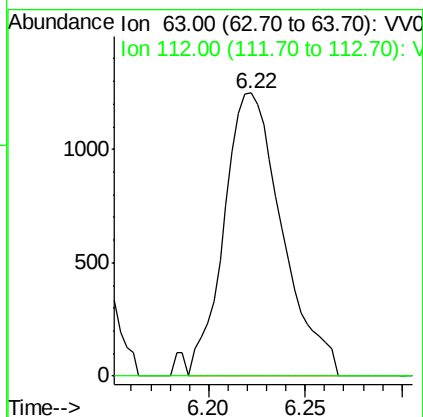
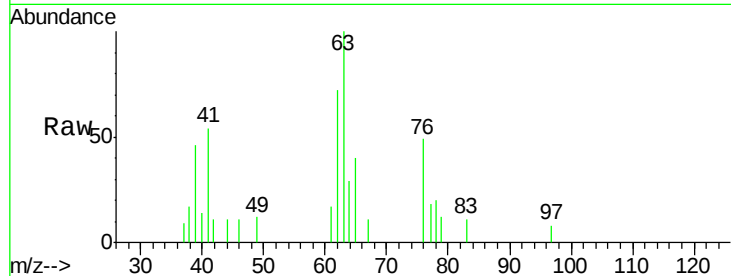
112 0.0 3.8 5.8#

Manual Integrations

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#41

Bromodichloromethane

Concen: 1.013 ug/L m

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

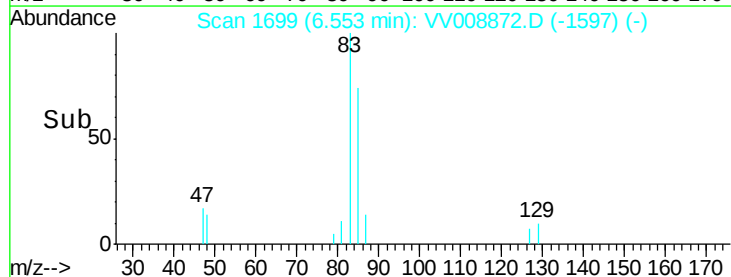
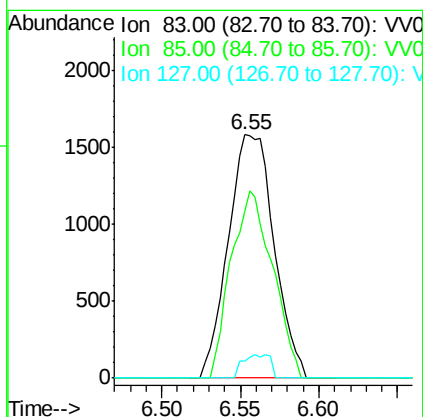
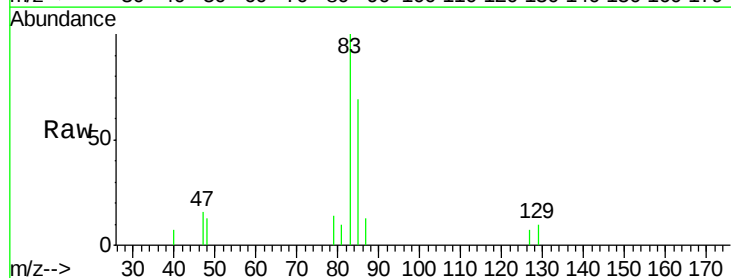
Tgt Ion: 83 Resp: 3195

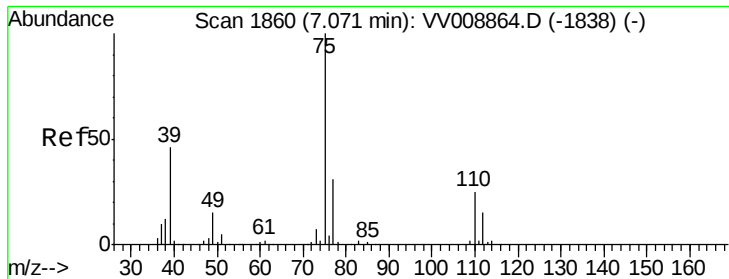
Ion Ratio Lower Upper

83 100

85 68.6 45.3 84.1

127 6.9 7.2 10.8#





#42

cis-1,3-Dichloropropene

Concen: 1.069 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 75 Resp: 3744

Ion Ratio Lower Upper

75 100

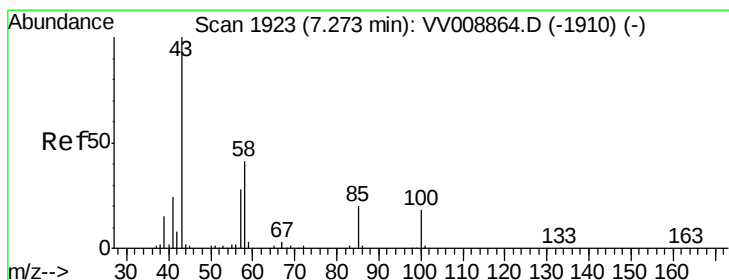
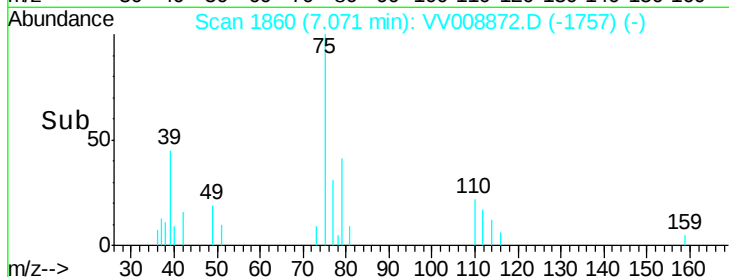
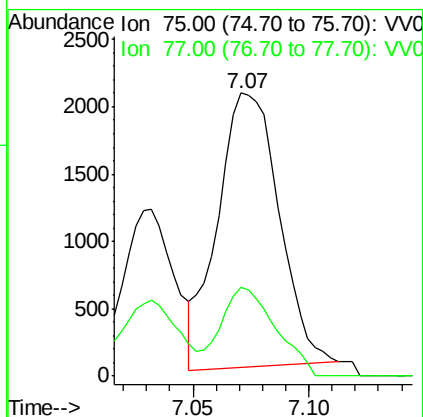
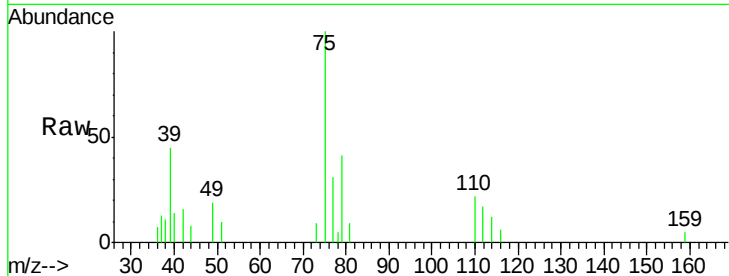
77 31.2 21.3 39.6

Manual Integrations

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sam

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#43

4-Methyl-2-pentanone

Concen: 3.075 ug/L

RT: 7.28 min Scan# 1925

Delta R.T. 0.01 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

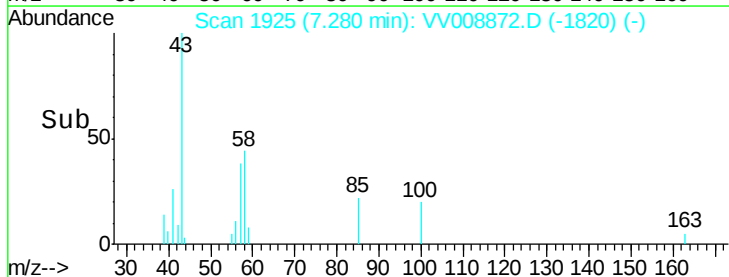
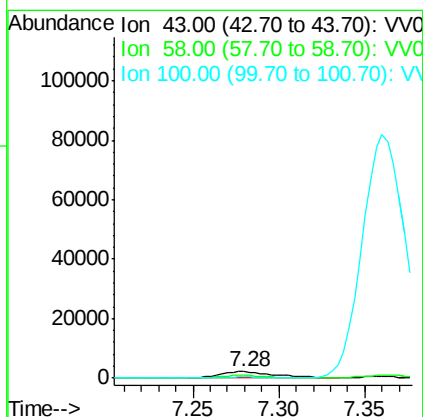
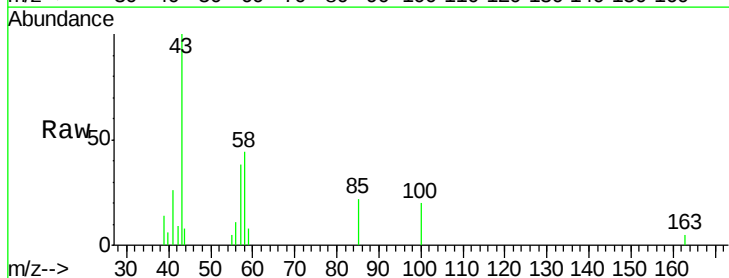
Tgt Ion: 43 Resp: 4971

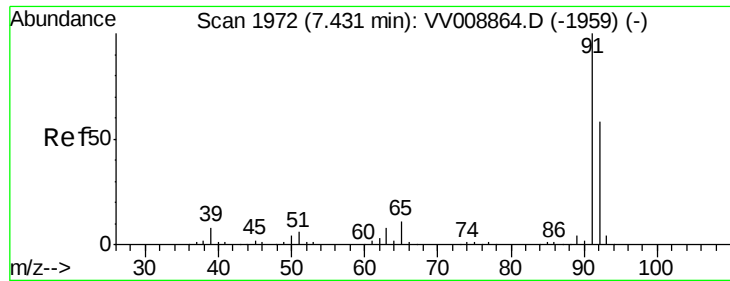
Ion Ratio Lower Upper

43 100

58 34.3 32.2 48.4

100 12.1 13.8 20.8#





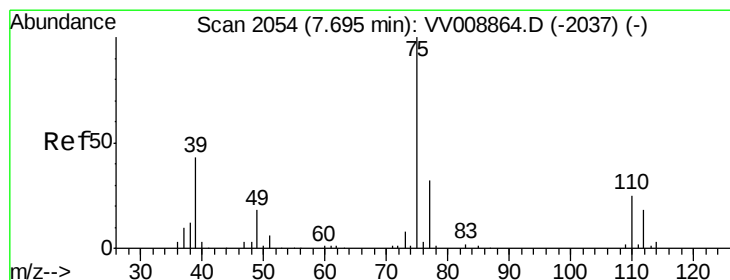
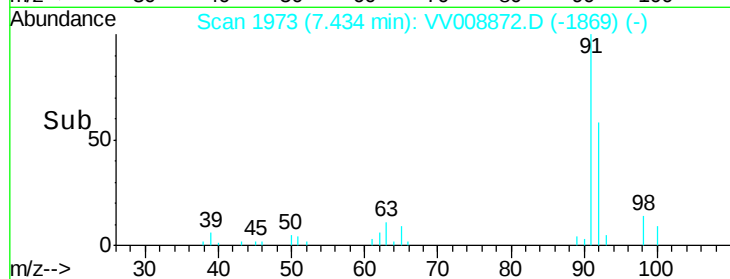
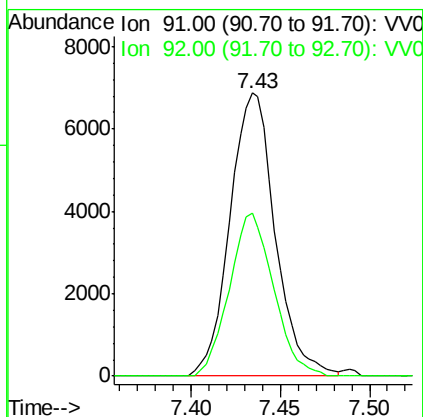
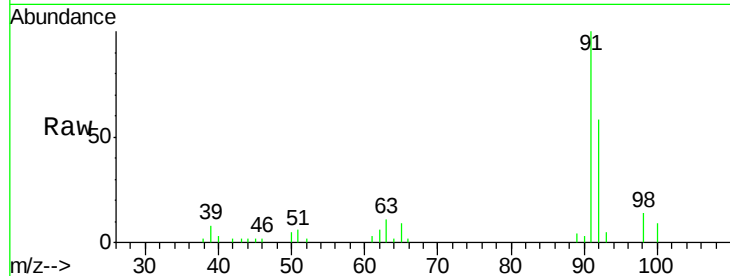
#44
Toluene
Concen: 1.164 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 91 Resp: 12165
Ion Ratio Lower Upper
91 100
92 57.6 41.7 77.5

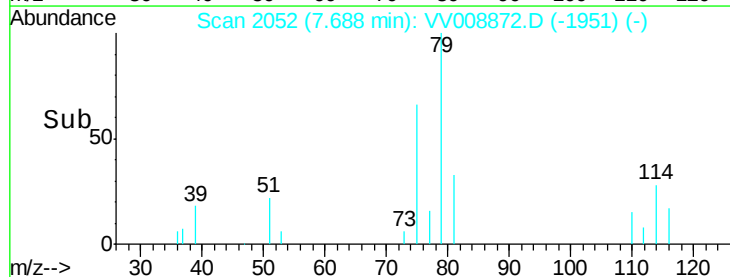
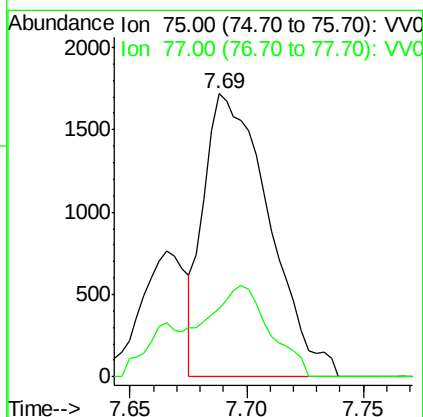
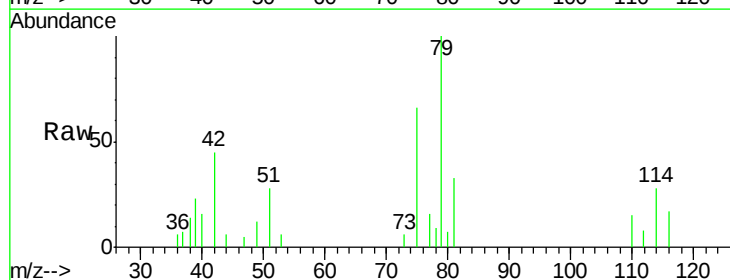
Manual Integrations
APPROVED

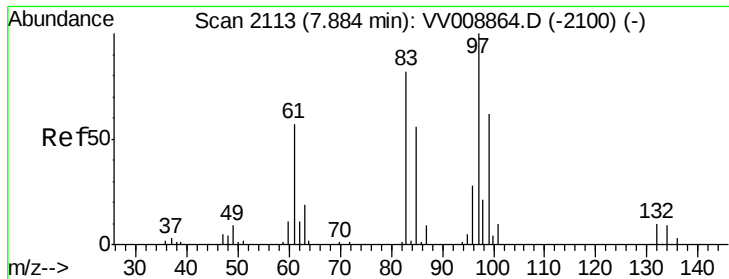
sam
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#45
trans-1,3-Dichloropropene
Concen: 1.093 ug/L m
RT: 7.69 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Tgt Ion: 75 Resp: 3337
Ion Ratio Lower Upper
75 100
77 24.1 23.6 43.8





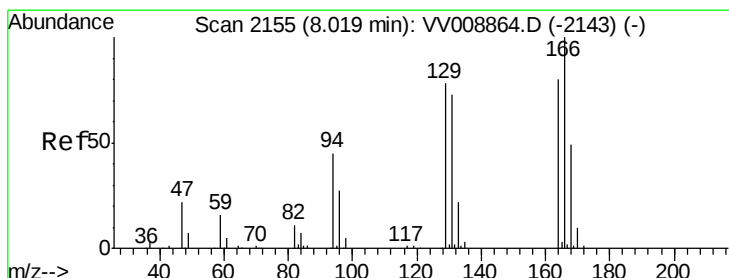
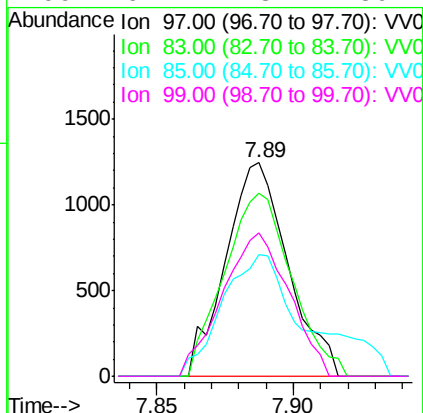
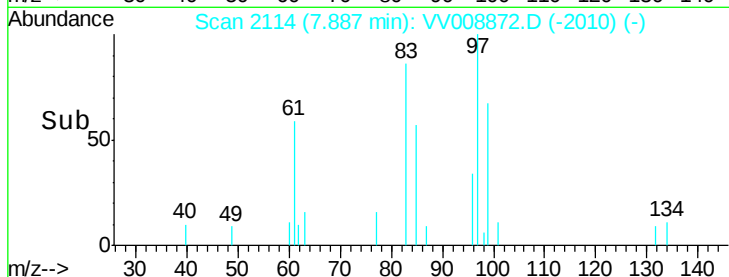
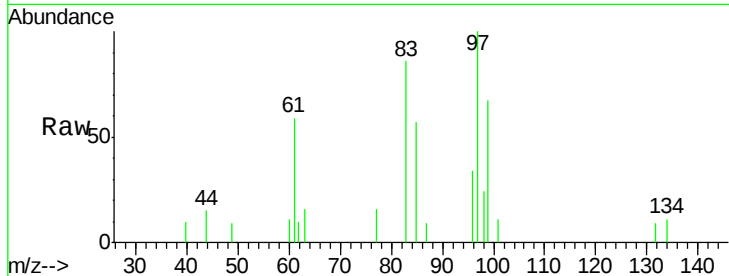
#46
 1,1,2-Trichloroethane
 Concen: 0.990 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion:	97	Resp:	1974
Ion	Ratio	Lower	Upper
97	100		
83	85.9	56.6	105.2
85	56.9	36.6	68.0
99	67.4	43.2	80.2

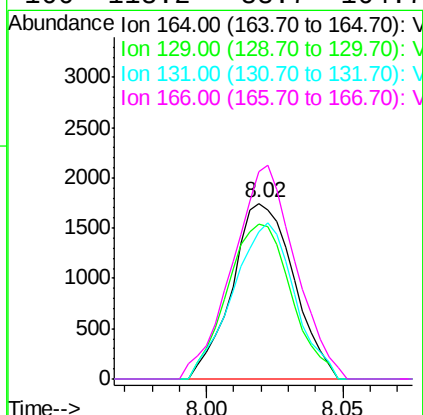
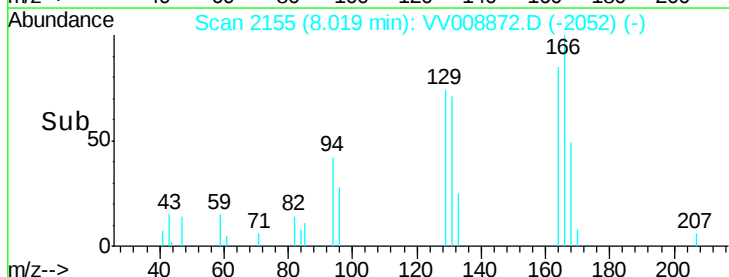
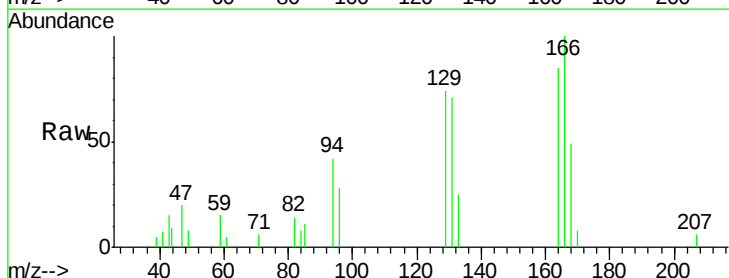
Manual Integrations
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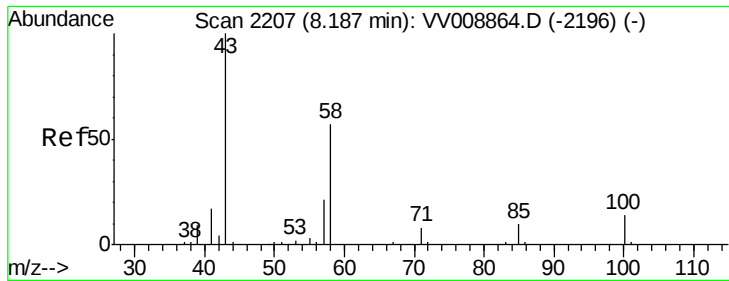
sam
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#47
 Tetrachloroethene
 Concen: 1.124 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Tgt Ion:	164	Resp:	2747
Ion	Ratio	Lower	Upper
164	100		
129	87.9	64.6	120.0
131	84.0	64.5	119.7
166	118.2	88.7	164.7





#49

2-Hexanone

Concen: 3.385 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

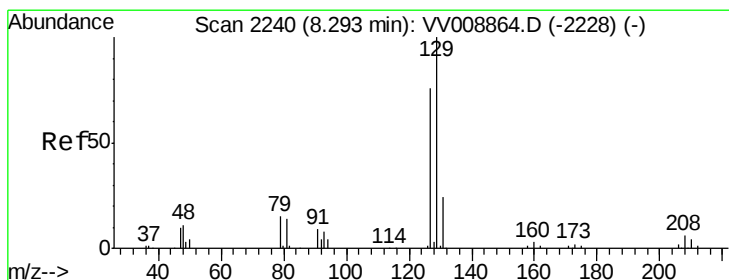
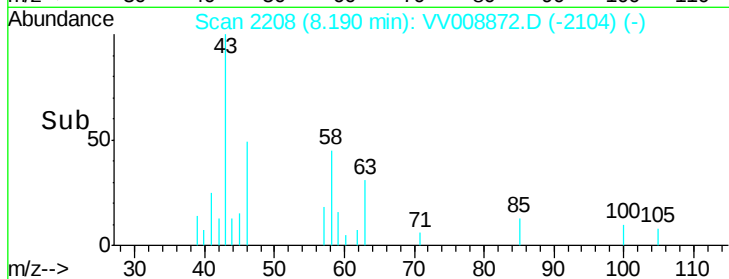
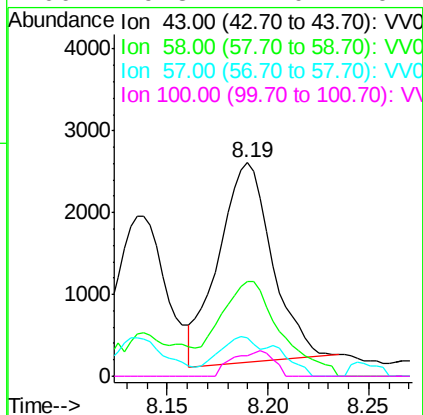
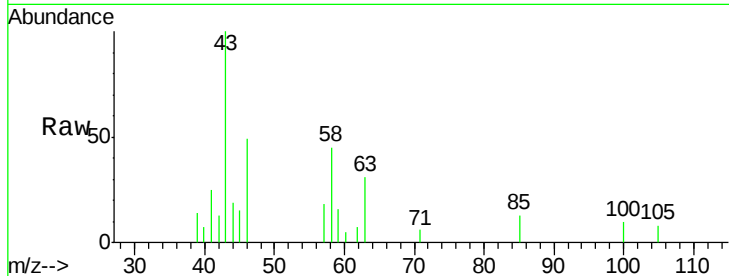
ClientSampleId :

MDL07

Tgt Ion:	43	Resp:	4527
Ion Ratio	Lower	Upper	
43	100		
58	54.0	43.9	65.9
57	9.9	15.7	23.5
100	9.8	11.0	16.4

Manual Integrations
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#50

Dibromochloromethane

Concen: 0.982 ug/L

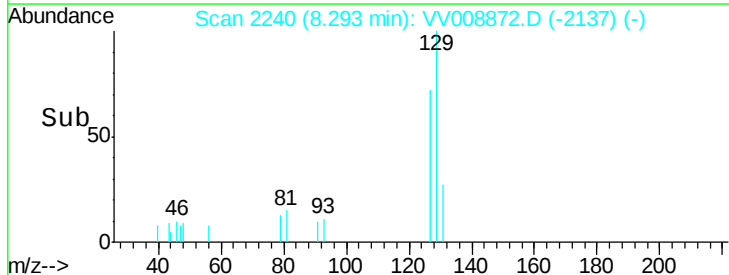
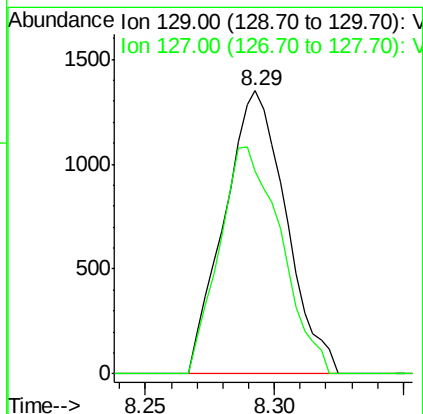
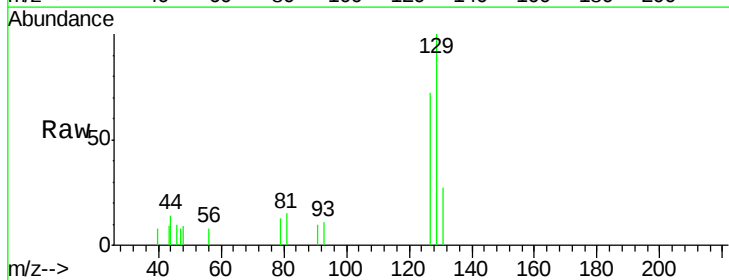
RT: 8.29 min Scan# 2240

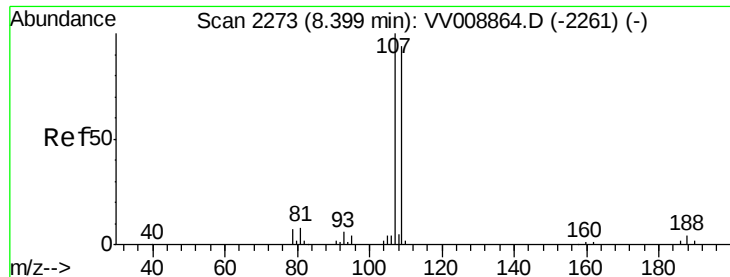
Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Tgt Ion:	129	Resp:	2243
Ion Ratio	Lower	Upper	
129	100		
127	71.8	53.5	99.3





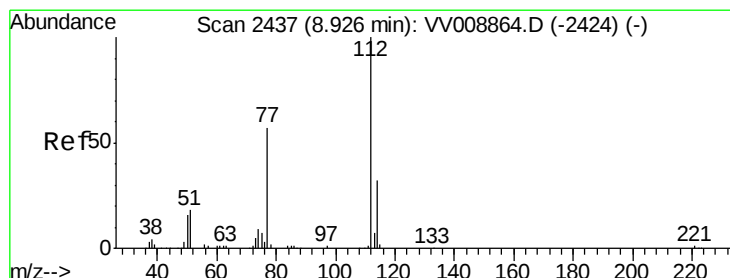
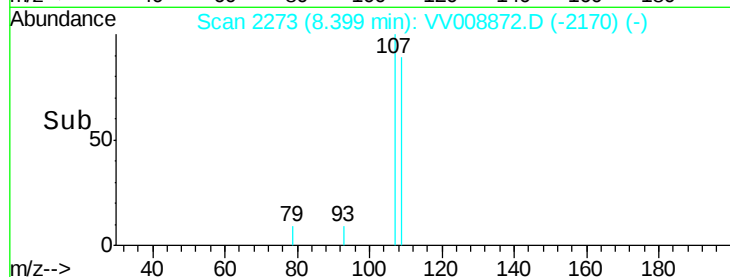
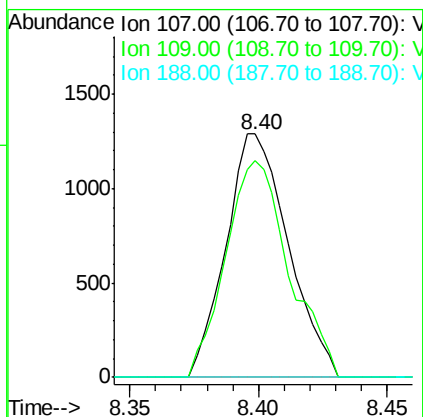
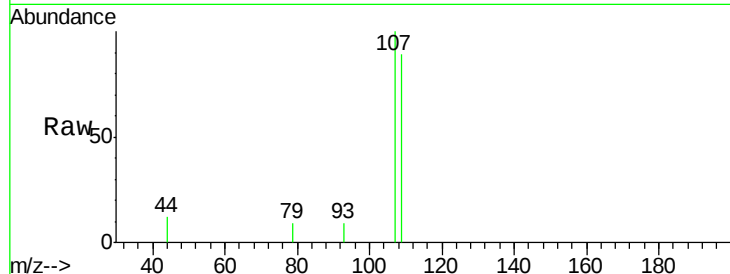
#51
1,2-Dibromoethane
Concen: 1.084 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	2170		
109	89.1	65.8	122.2	
188	0.0	3.0	4.6#	

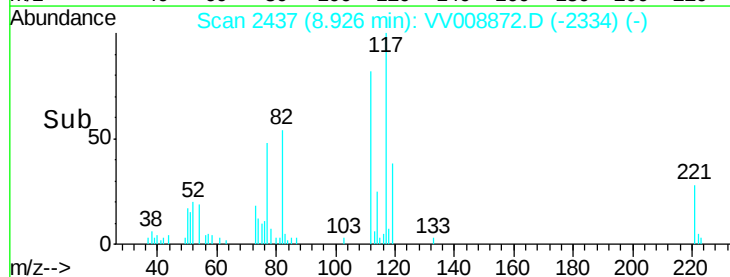
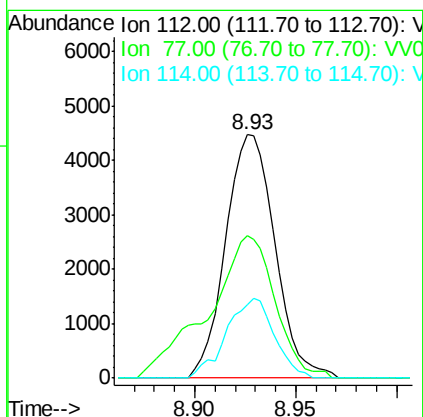
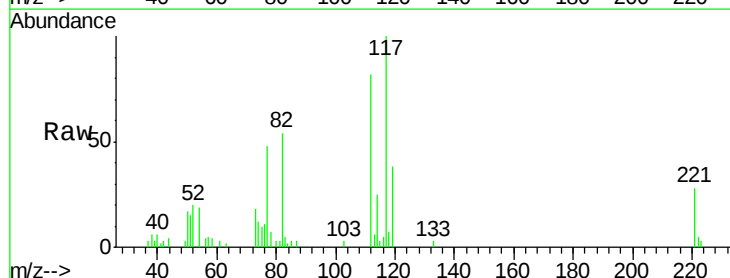
Manual Integrations
APPROVED

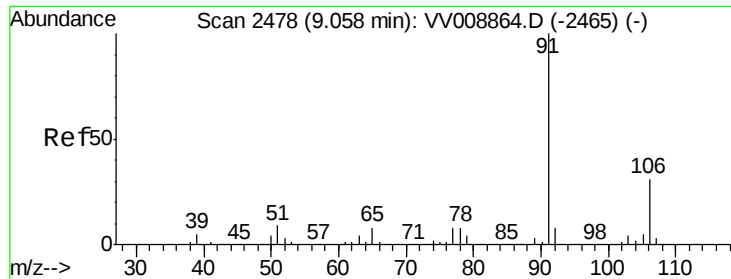
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#52
Chlorobenzene
Concen: 1.127 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	7667		
77	58.3	44.6	66.8	
114	30.4	22.6	42.0	





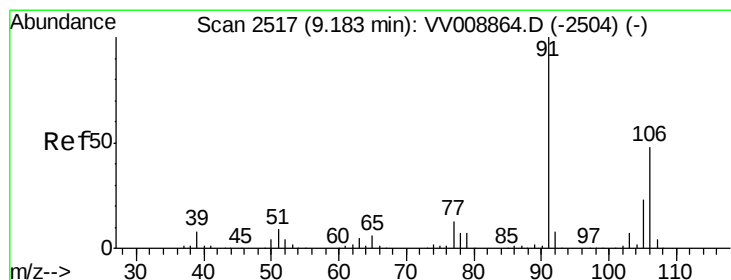
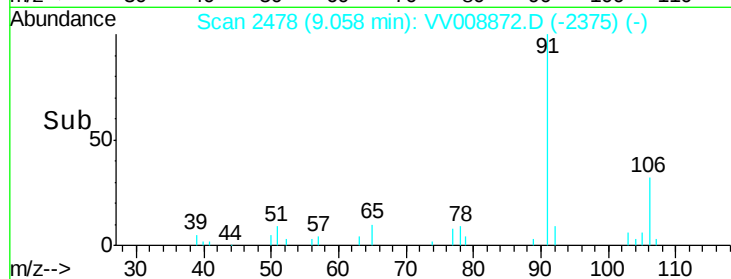
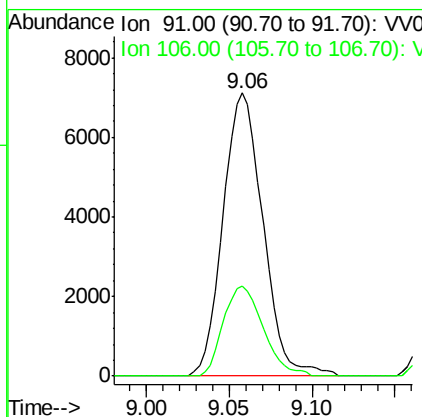
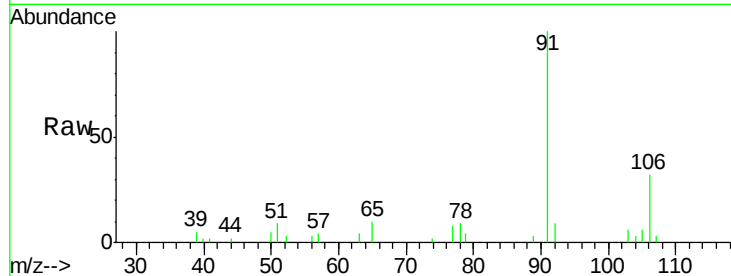
#53
Ethylbenzene
Concen: 1.054 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion: 91 Resp: 11946
Ion Ratio Lower Upper
91 100
106 31.8 21.3 39.5

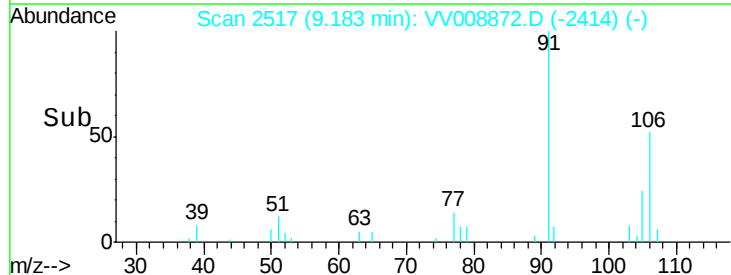
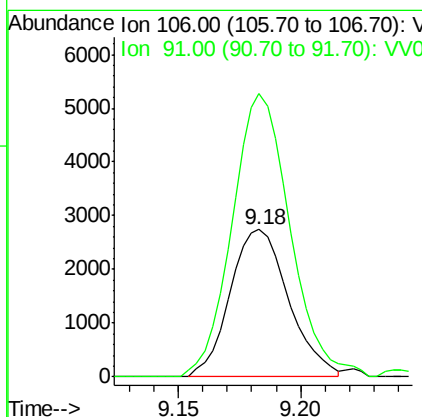
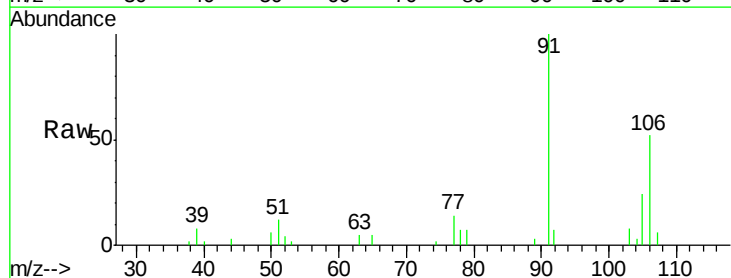
Manual Integrations
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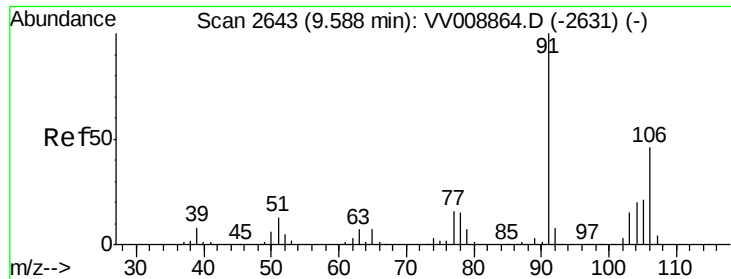
sam
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#54
m,p-Xylene
Concen: 1.067 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Tgt Ion: 106 Resp: 4581
Ion Ratio Lower Upper
106 100
91 192.1 141.3 262.3





#55

o-xylene

Concen: 0.978 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion:106 Resp: 3903

Ion Ratio Lower Upper

106 100

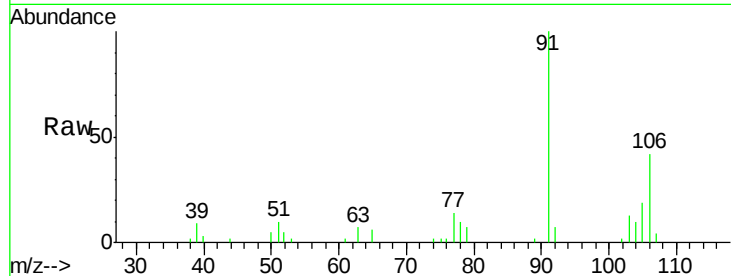
91 236.4 148.3 275.5

Manual Integrations

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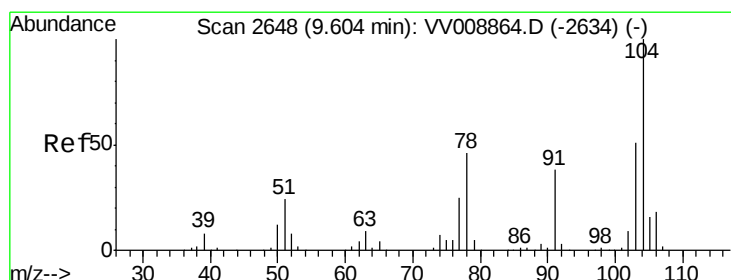
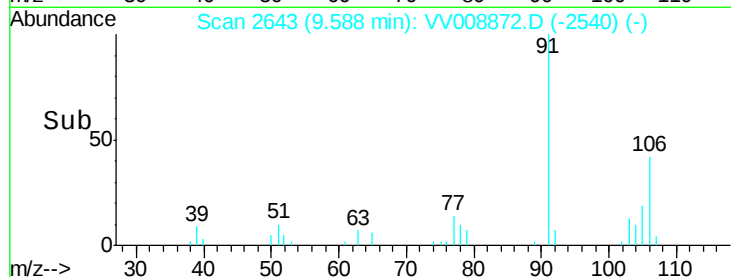
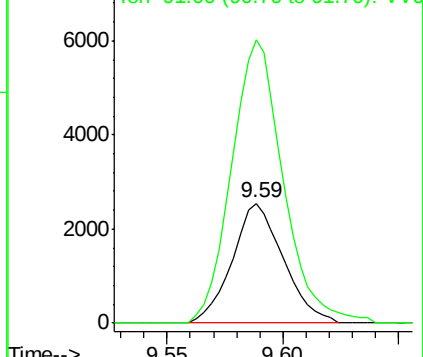
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 0.875 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV008872.D

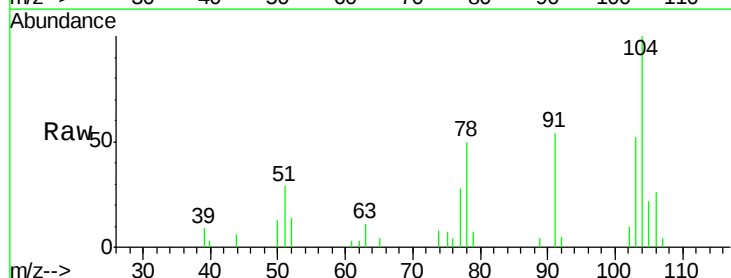
Acq: 06 Dec 2018 23:01

Tgt Ion:104 Resp: 5632

Ion Ratio Lower Upper

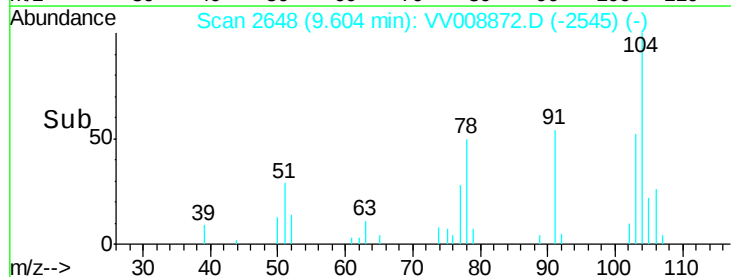
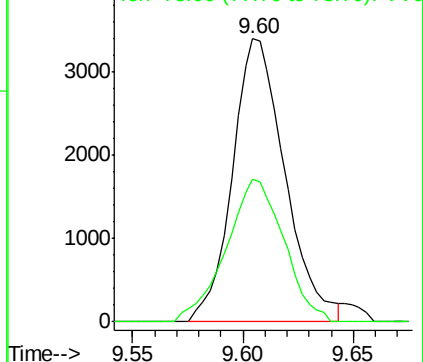
104 100

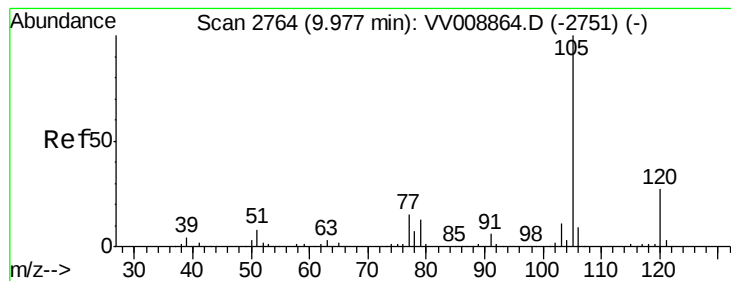
78 50.4 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 1.033 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

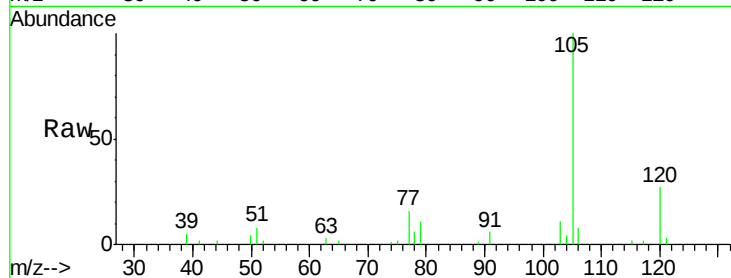
ClientSampleID :

MDL07

Tgt Ion:	105	Resp:	11204
Ion Ratio	Lower	Upper	
105	100		
120	24.9	21.7	32.5
77	16.4	12.4	18.6

Manual Integrations
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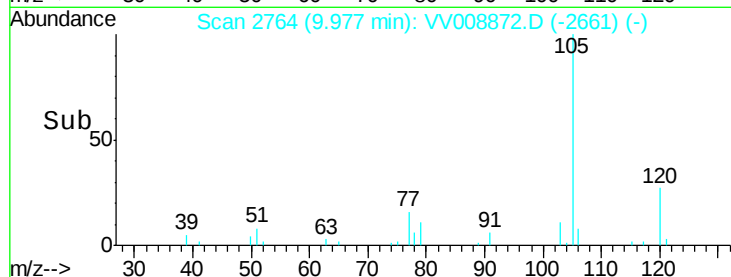


Abundance Ion 105.00 (104.70 to 105.70): VV008864.D (-2751) (-)

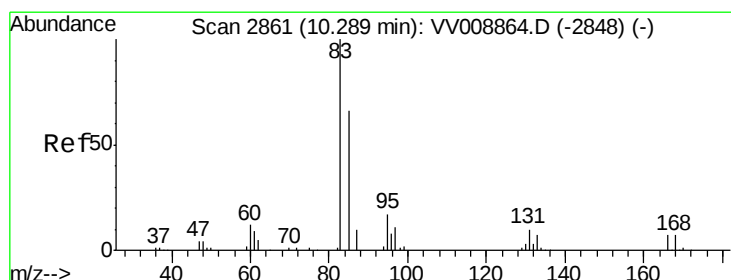
Ion 120.00 (119.70 to 120.70): VV008864.D (-2751) (-)

Ion 77.00 (76.70 to 77.70): VV008864.D (-2751) (-)

Time-->



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 1.341 ug/L

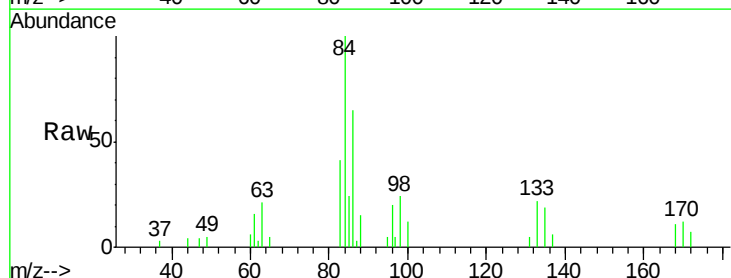
RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Tgt Ion:	83	Resp:	2890
Ion Ratio	Lower	Upper	
83	100		
85	58.2	44.3	82.3
131	13.4	7.8	11.8#

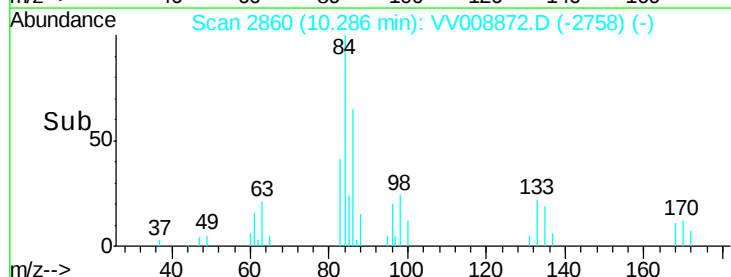


Abundance Ion 83.00 (82.70 to 83.70): VV008864.D (-2848) (-)

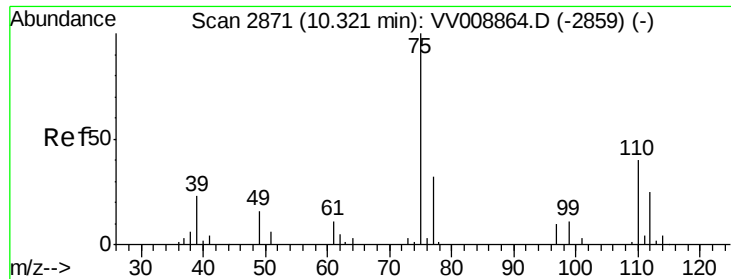
Ion 85.00 (84.70 to 85.70): VV008864.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV008864.D (-2848) (-)

Time-->



Time-->



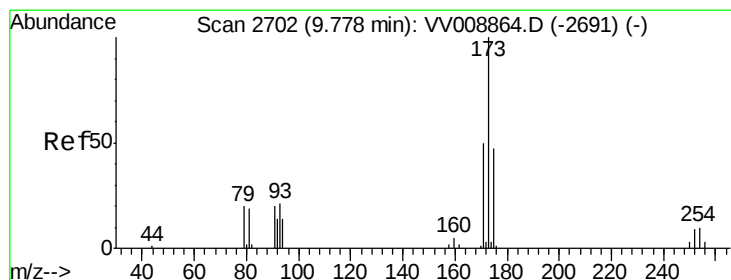
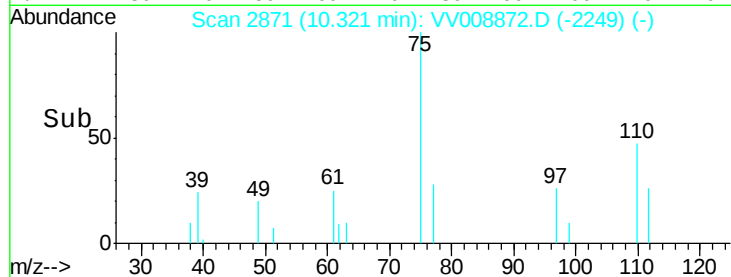
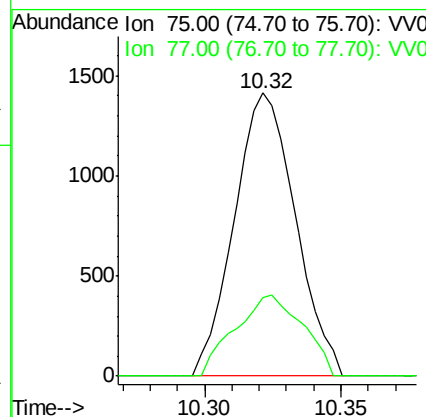
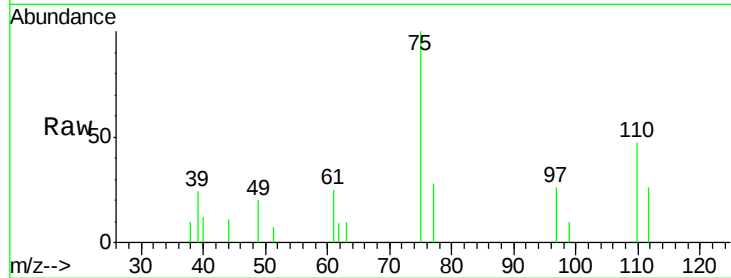
#59
 1,2,3-Trichloropropane
 Concen: 1.181 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tgt Ion: 75 Resp: 2201
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4

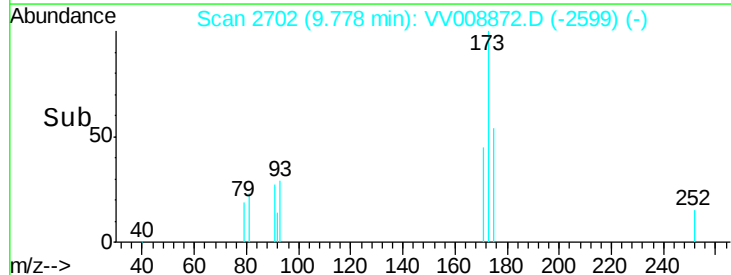
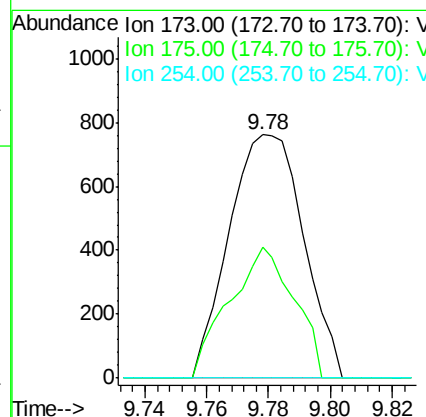
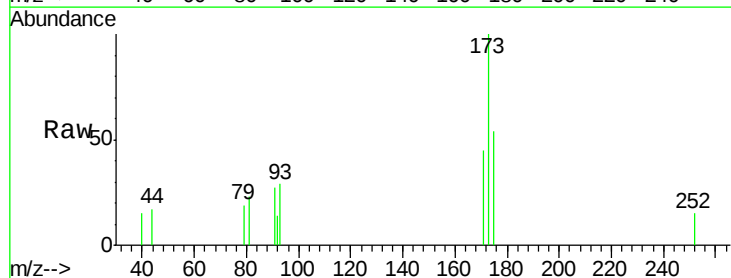
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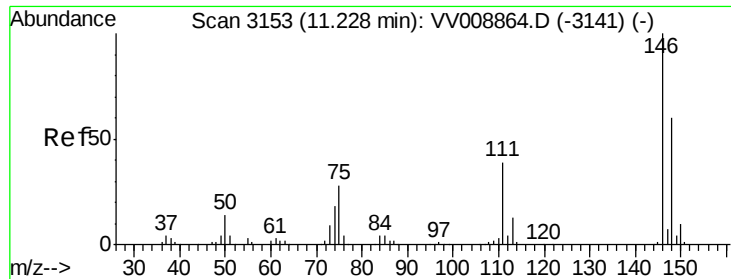
sam
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#62
 Bromoform
 Concen: 0.979 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Tgt Ion: 173 Resp: 1270
 Ion Ratio Lower Upper
 173 100
 175 46.9 37.7 56.5
 254 0.0 7.1 10.7#





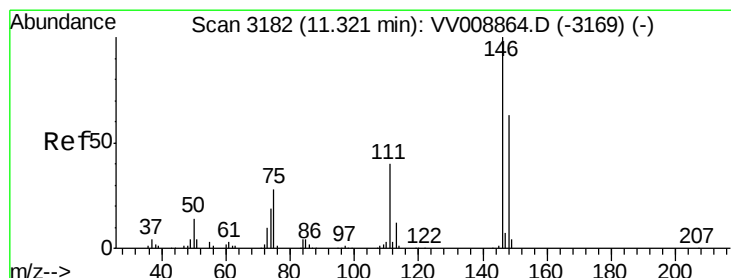
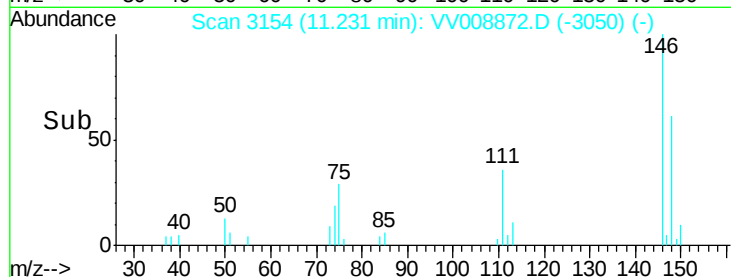
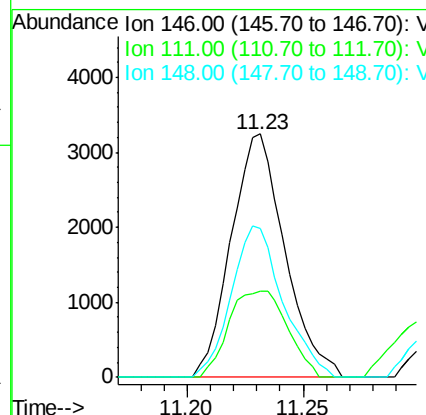
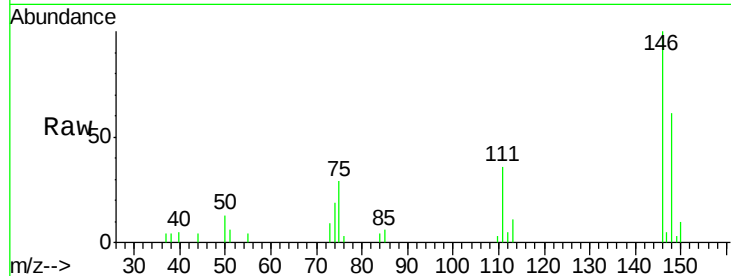
#63
 1,3-Dichlorobenzene
 Concen: 1.125 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	27.5	51.1
148	61.3	44.0	81.8

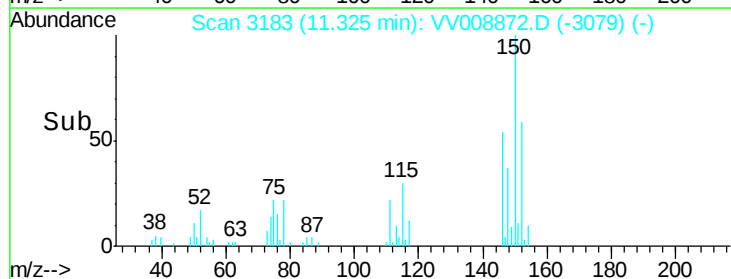
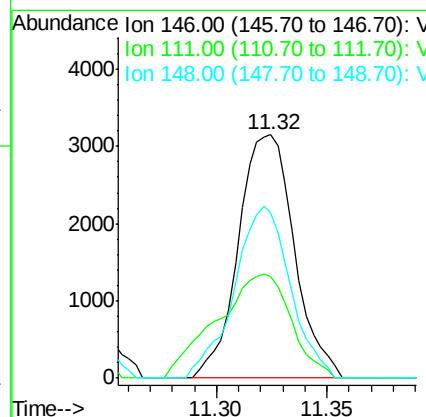
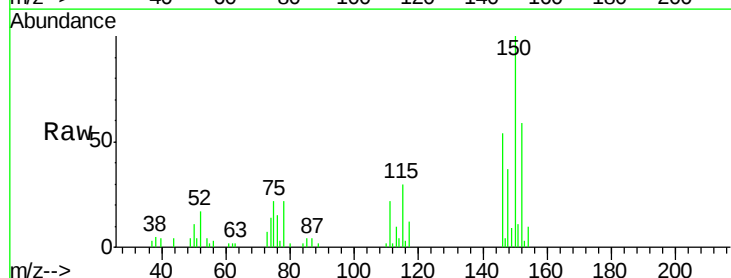
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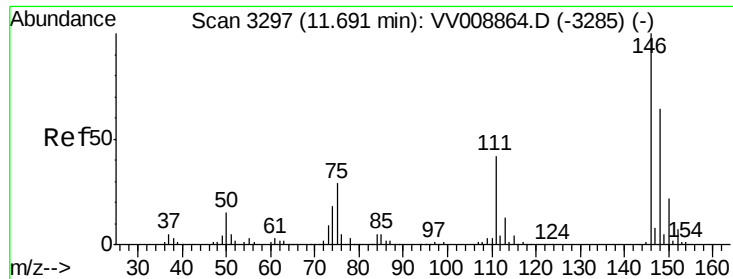
sam
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#64
 1,4-Dichlorobenzene
 Concen: 1.167 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	26.8	49.8
148	68.2	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 1.249 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

Instrument :

MSVOA_V

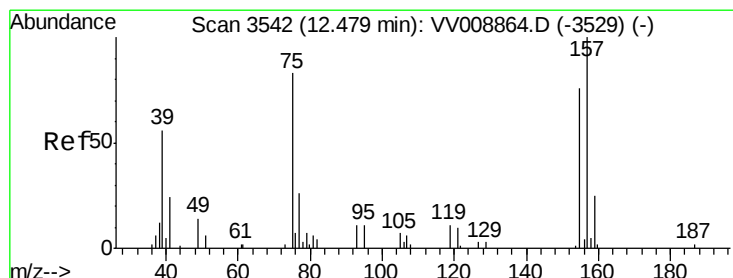
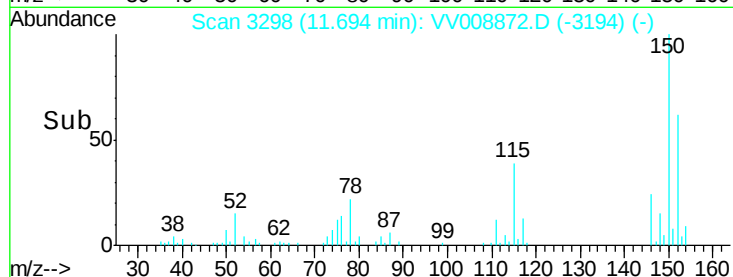
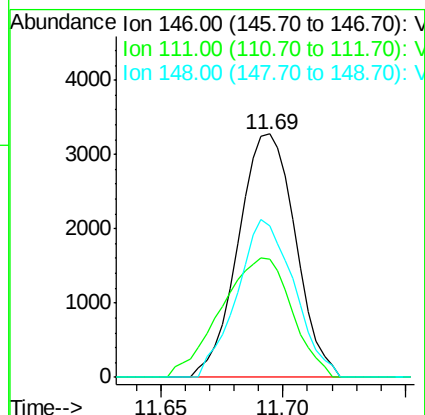
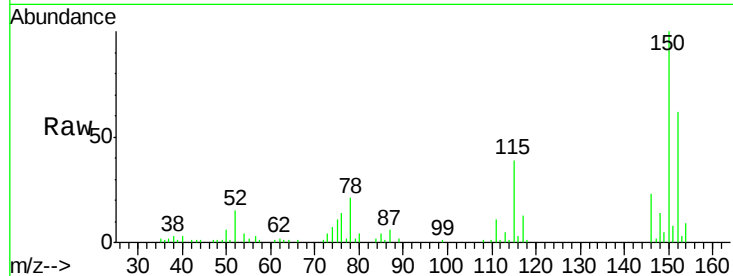
ClientSampleId :

MDL07

Tgt Ion:	146	Resp:	5328
Ion Ratio	Lower	Upper	
146	100		
111	48.7	34.2	51.4
148	62.0	51.0	76.6

Manual Integrations
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#66

1,2-Dibromo-3-chloropropane

Concen: 0.898 ug/L m

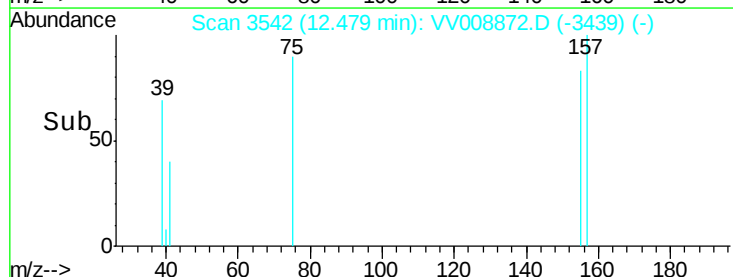
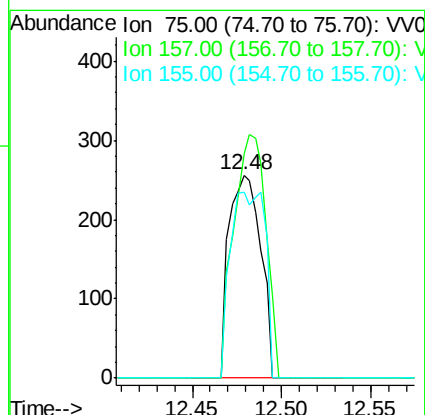
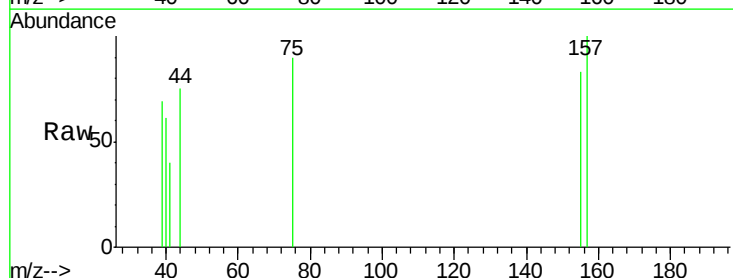
RT: 12.48 min Scan# 3542

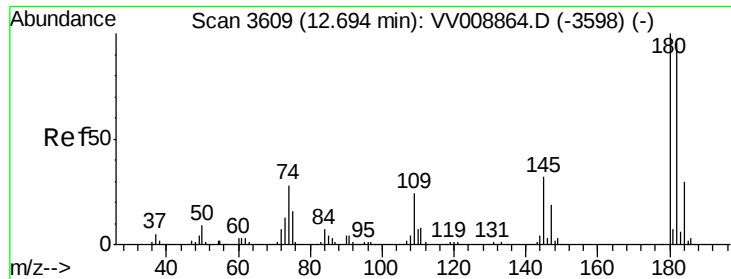
Delta R.T. -0.00 min

Lab File: VV008872.D

Acq: 06 Dec 2018 23:01

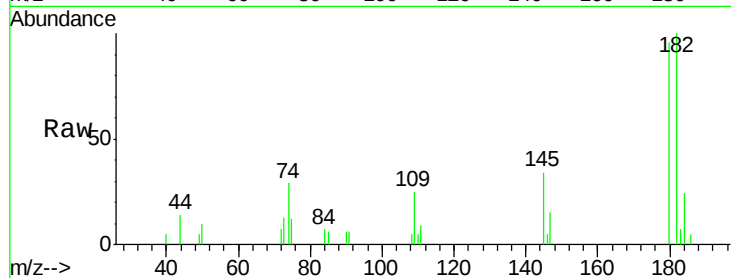
Tgt Ion:	75	Resp:	314
Ion Ratio	Lower	Upper	
75	100		
157	110.5	95.8	143.6
155	91.8	71.4	107.2





#67
 1,3,5-Trichlorobenzene
 Concen: 1.009 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

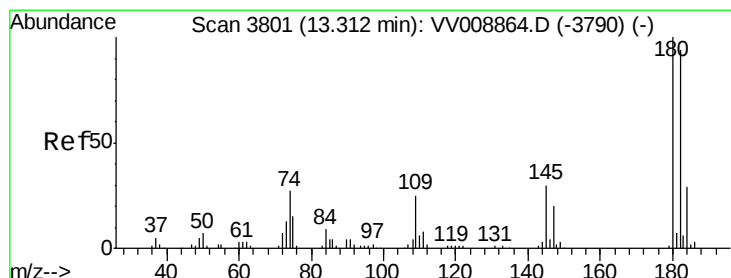
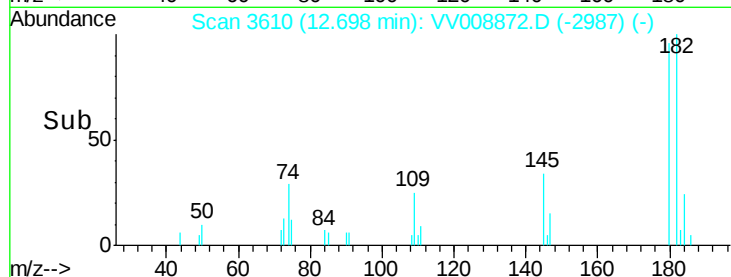
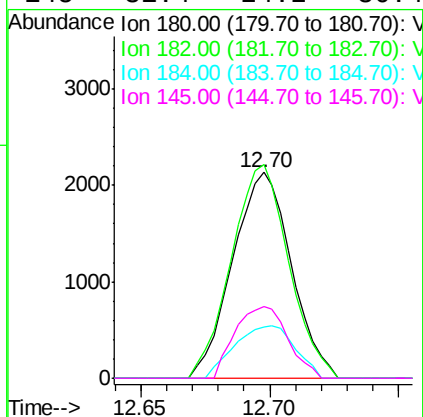
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07



Tgt Ion:180 Resp: 3373
 Ion Ratio Lower Upper
 180 100
 182 101.7 75.9 113.9
 184 26.1 23.8 35.6
 145 31.4 24.2 36.4

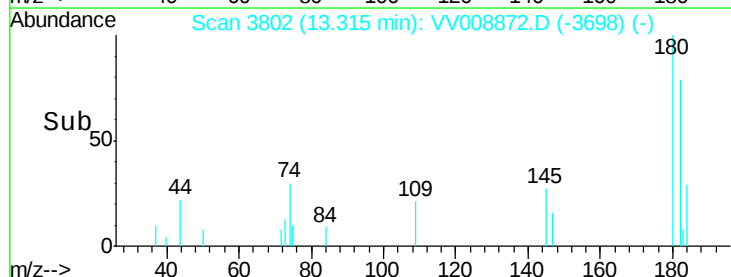
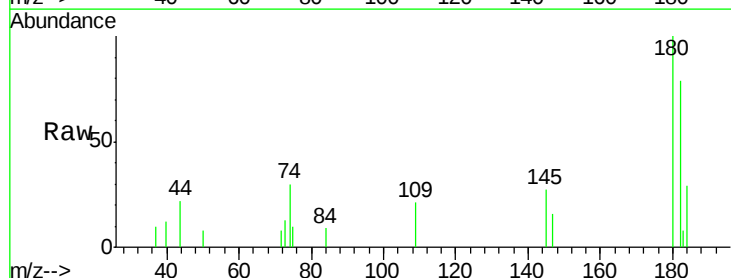
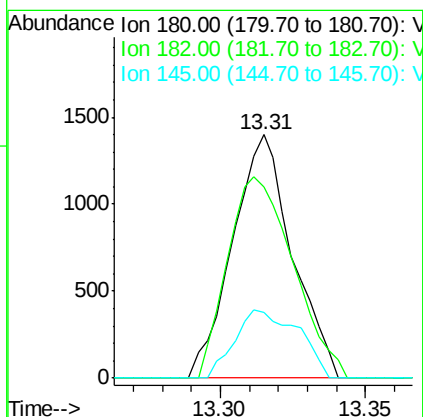
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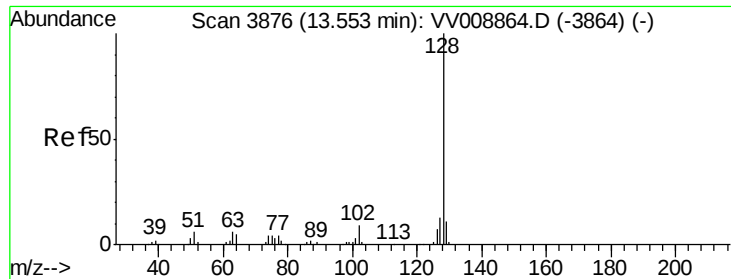
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#68
 1,2,4-trichlorobenzene
 Concen: 0.852 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008872.D
 Acq: 06 Dec 2018 23:01

Tgt Ion:180 Resp: 1996
 Ion Ratio Lower Upper
 180 100
 182 91.4 77.4 116.0
 145 29.8 25.6 38.4





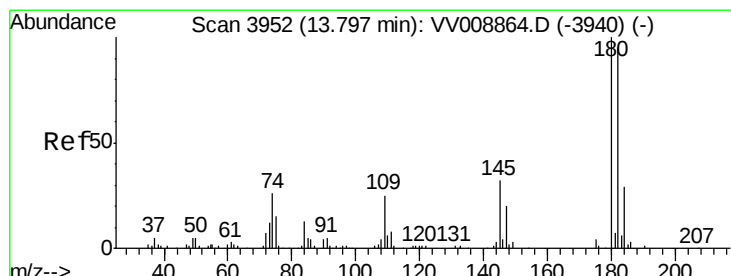
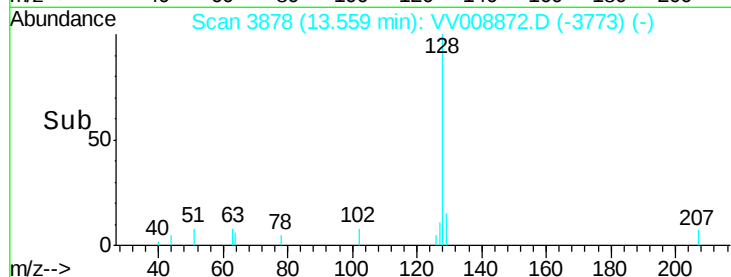
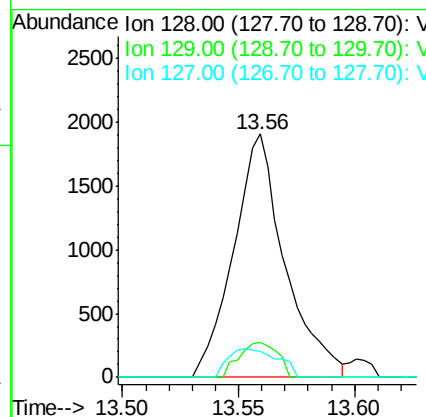
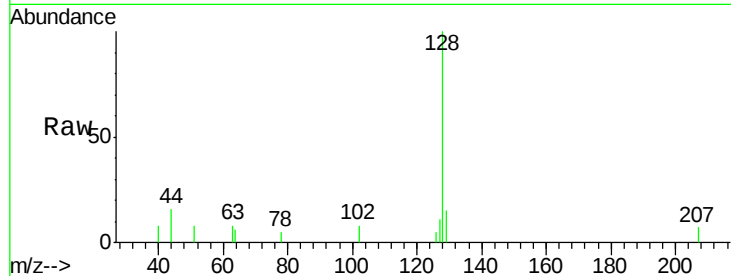
#69
Naphthalene
Concen: 0.729 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.01 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Instrument :
MSVOA_V
ClientSampled :
MDL07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	11.3	10.0	15.0

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 0.823 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV008872.D
Acq: 06 Dec 2018 23:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.1	114.1
145	32.4	26.7	40.1

