

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008870.D
 Acq On : 06 Dec 2018 22:11
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

sam
 12/11/2018 4:26:03 PM

Quant Time: Dec 07 15:53:19 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	198698	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	179964	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73438	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50094	24.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.44%
7) Chloroethane-d5	1.58	69	38868	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.36%
10) 1,1-Dichloroethene-d2	2.13	63	96598	18.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.16%
20) 2-Butanone-d5	3.93	46	42992	57.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.86%
24) Chloroform-d	4.40	84	110087	23.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	66379	25.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.84%
29) Benzene-d6	5.10	84	232333	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
33) 1,2-Dichloropropane-d6	6.12	67	67057	23.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.32%
37) Toluene-d8	7.36	98	209689	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.16%
38) trans-1,3-Dichloropropene-	7.67	79	28223	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.32%
39) 2-Hexanone-d5	8.14	63	26563	51.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57166	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.88%
61) 1,2-Dichlorobenzene-d4	11.68	152	67266	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3766	1.156 ug/L	97
3) Chloromethane	1.25	50	2304	1.029 ug/L	84
5) Vinyl chloride	1.32	62	2354	0.942 ug/L #	47
6) Bromomethane	1.53	94	1457	1.213 ug/L	90
8) Chloroethane	1.60	64	1805	1.290 ug/L	87
9) Trichlorofluoromethane	1.77	101	5011	1.171 ug/L	94
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3558	1.212 ug/L #	88
12) 1,1-Dichloroethene	2.14	96	3163	1.235 ug/L #	1
13) Acetone	2.19	43	3530	3.200 ug/L	90
14) Carbon disulfide	2.32	76	7339	0.892 ug/L	99
15) Methyl Acetate	2.46	43	1506	1.077 ug/L #	90
16) Methylene chloride	2.53	84	8066	2.411 ug/L	93
17) Methyl tert-butyl Ether	2.80	73	5822	1.001 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	2511	0.907 ug/L	85
19) 1,1-Dichloroethane	3.23	63	4286	0.955 ug/L	91
21) 2-Butanone	4.03	43	1065m	1.030 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2764	0.958 ug/L	89

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Manual Integrations
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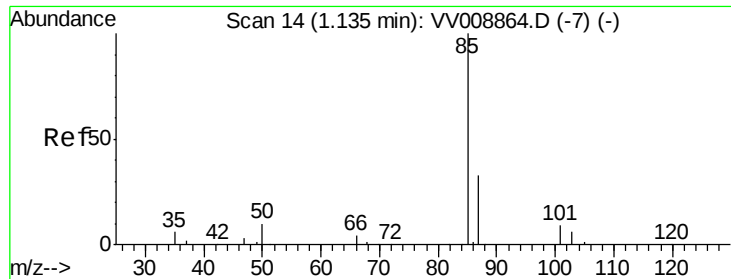
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Quant Time: Dec 07 15:53:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 01:37:11 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	4.31	128	1272	0.935	ug/L	96
25) Chloroform	4.42	83	6702	1.392	ug/L	77
27) 1,2-Dichloroethane	5.18	62	3499	1.067	ug/L	97
30) Cyclohexane	4.72	56	4054m	0.895	ug/L	
31) 1,1,1-Trichloroethane	4.66	97	4195	0.904	ug/L #	90
32) Carbon tetrachloride	4.88	117	3496	0.825	ug/L	94
34) Benzene	5.15	78	9944	0.922	ug/L	100
35) Trichloroethene	5.96	95	3241	0.997	ug/L	96
36) Methylcyclohexane	6.18	83	4628	0.893	ug/L #	87
40) 1,2-Dichloropropane	6.23	63	2399	0.927	ug/L #	93
41) Bromodichloromethane	6.55	83	2908	0.853	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	3588	0.947	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	4508	2.577	ug/L	90
44) Toluene	7.43	91	11039	0.976	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	2972	0.900	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	2051	0.951	ug/L	88
47) Tetrachloroethene	8.02	164	2505	0.948	ug/L	87
49) 2-Hexanone	8.19	43	3840	2.654	ug/L #	82
50) Dibromochloromethane	8.29	129	2024	0.819	ug/L	86
51) 1,2-Dibromoethane	8.40	107	2001	0.924	ug/L #	98
52) Chlorobenzene	8.93	112	6947	0.944	ug/L	93
53) Ethylbenzene	9.06	91	10218	0.833	ug/L	90
54) m,p-Xylene	9.18	106	3740	0.805	ug/L	95
55) o-xylene	9.59	106	3843	0.891	ug/L	82
56) Styrene	9.61	104	5617	0.807	ug/L	95
57) Isopropylbenzene	9.98	105	9145	0.780	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2693	1.155	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	2107	1.045	ug/L	96
62) Bromoform	9.78	173	1131	0.853	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	4687	0.990	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	5063	1.040	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	4561	1.046	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	361m	1.010	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	2835	0.829	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	1726	0.721	ug/L	93
69) Naphthalene	13.56	128	2724	0.660	ug/L #	74
70) 1,2,3-Trichlorobenzene	13.80	180	1653	0.747	ug/L #	94

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



#2

Dichlorodifluoromethane

Concen: 1.156 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 85 Resp: 3766

Ion Ratio Lower Upper

85 100

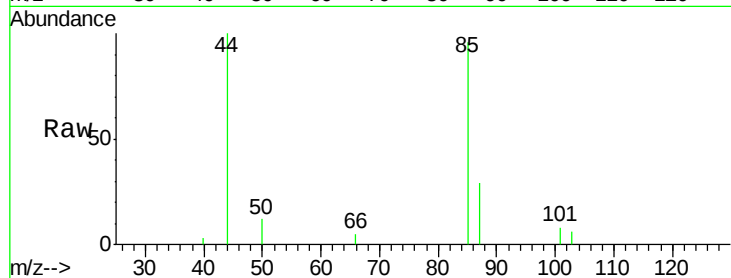
87 30.5 22.4 41.6

Manual Integrations

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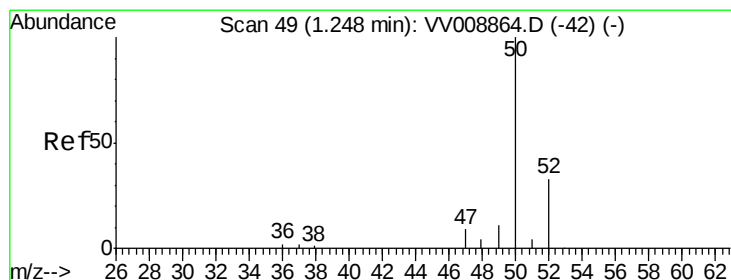
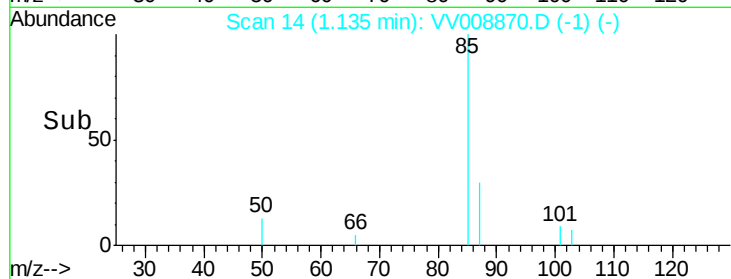
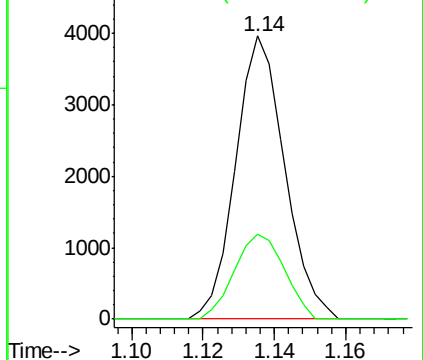
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.029 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008870.D

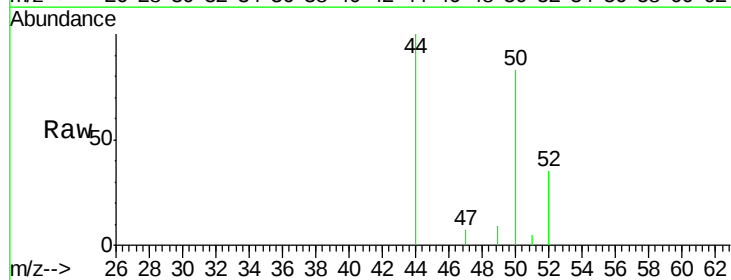
Acq: 06 Dec 2018 22:11

Tgt Ion: 50 Resp: 2304

Ion Ratio Lower Upper

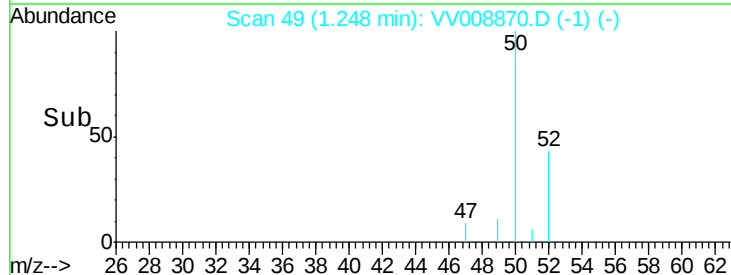
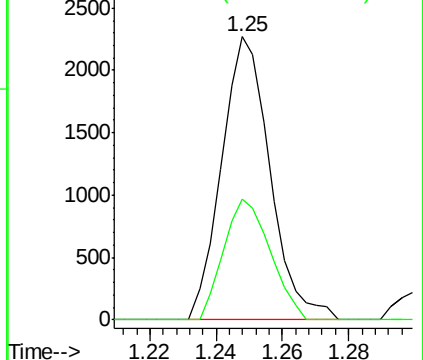
50 100

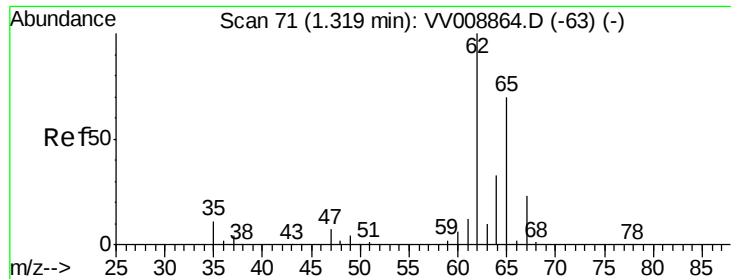
52 42.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 0.942 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 62 Resp: 2354

Ion Ratio Lower Upper

62 100

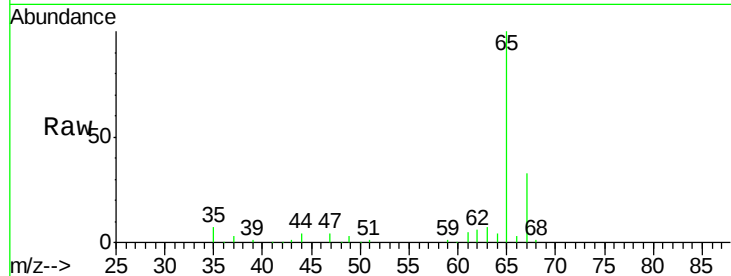
64 63.1 23.3 43.3#

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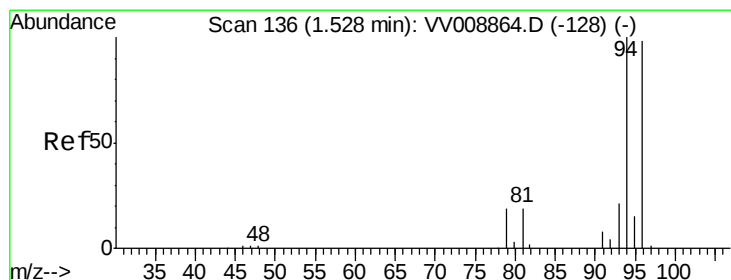
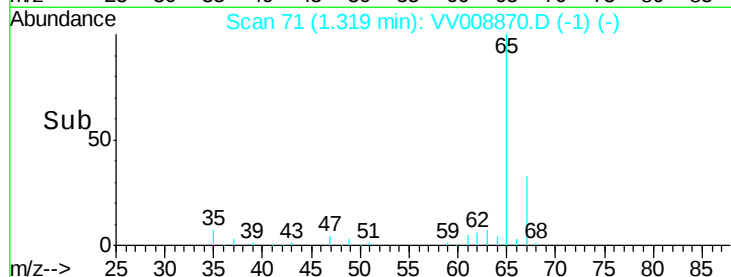
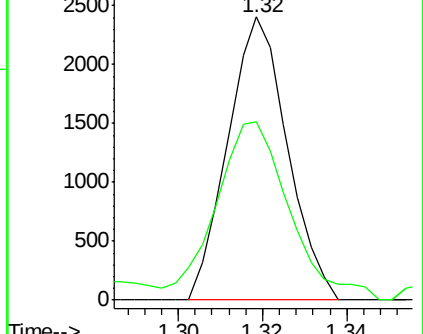
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 1.213 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008870.D

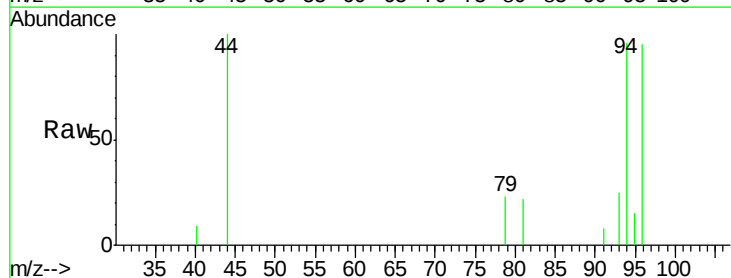
Acq: 06 Dec 2018 22:11

Tgt Ion: 94 Resp: 1457

Ion Ratio Lower Upper

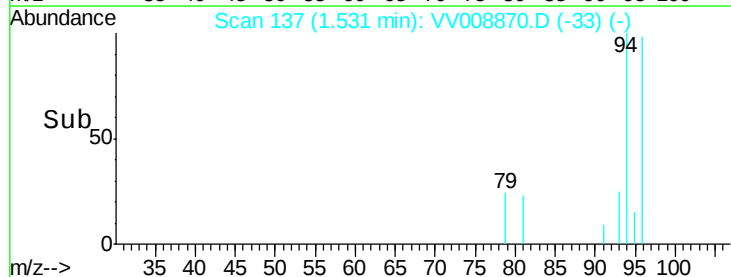
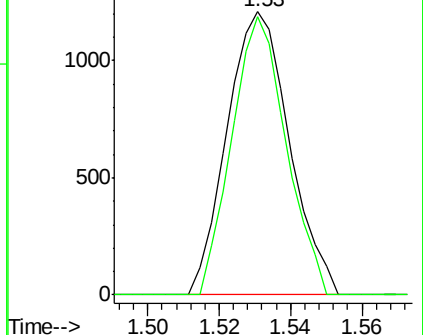
94 100

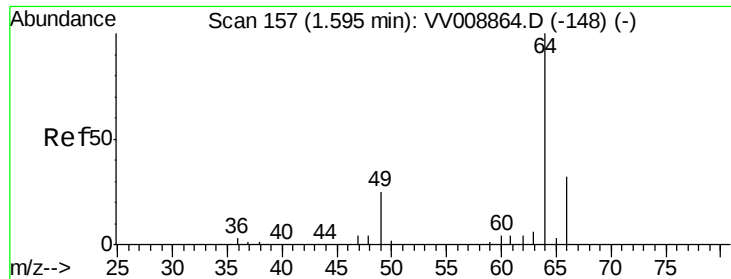
96 85.3 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.290 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 64 Resp: 1805

Ion Ratio Lower Upper

64 100

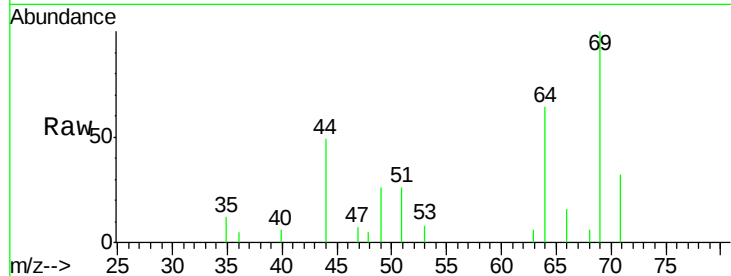
66 24.7 22.2 41.2

Manual Integrations

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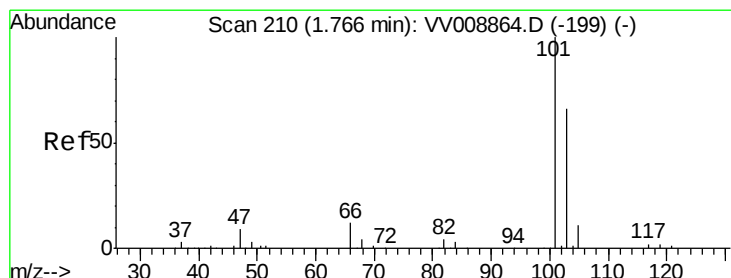
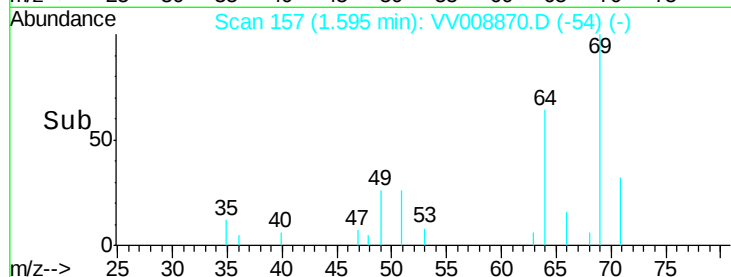
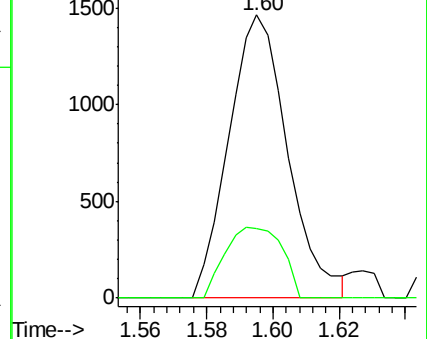
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Abundance Ion 64.00 (63.70 to 64.70): VV008870.D (-54) (-)

Ion 66.00 (65.70 to 66.70): VV008870.D (-54) (-)



#9

Trichlorofluoromethane

Concen: 1.171 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV008870.D

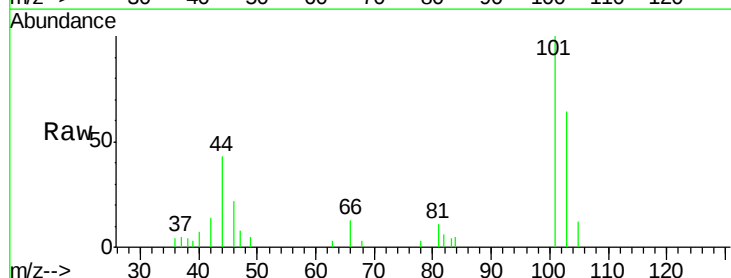
Acq: 06 Dec 2018 22:11

Tgt Ion: 101 Resp: 5011

Ion Ratio Lower Upper

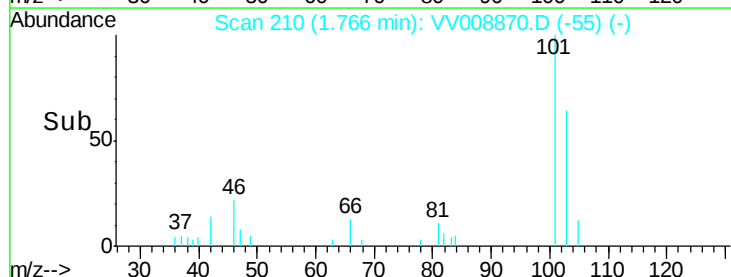
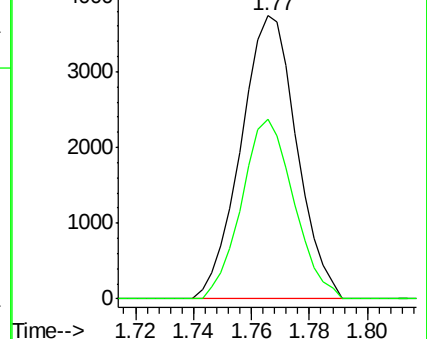
101 100

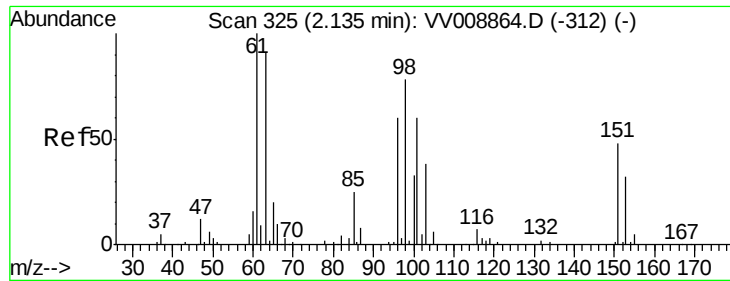
103 59.3 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008870.D (-55) (-)

Ion 103.00 (102.70 to 103.70): VV008870.D (-55) (-)





#11

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

Concen: 1.212 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

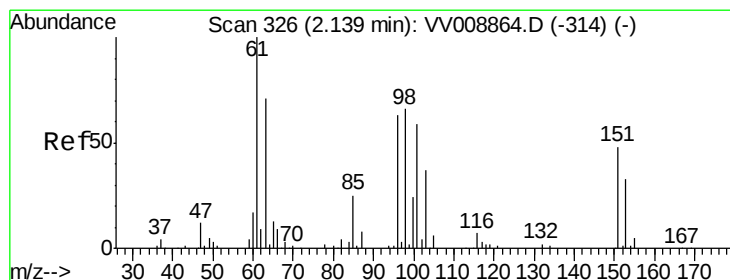
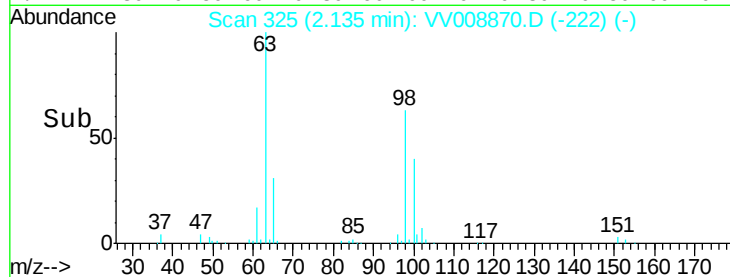
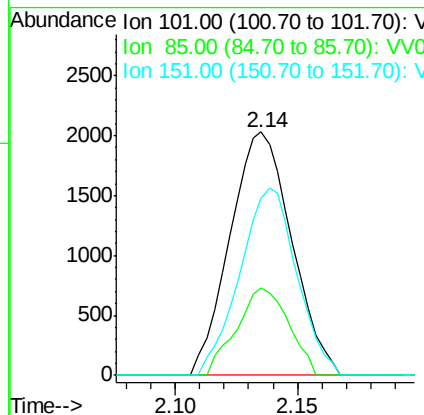
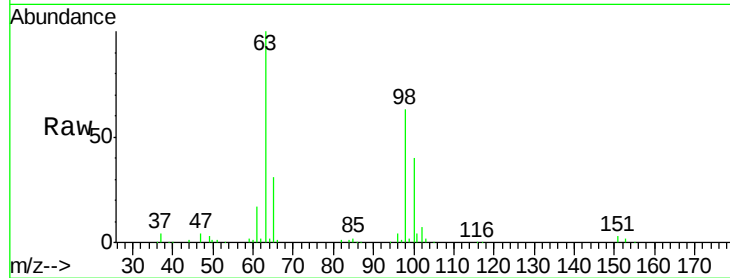
ClientSampled :

MDL05

Tgt Ion:	101	Resp:	3558
Ion Ratio	Lower	Upper	
101	100		
85	30.3	32.5	48.7#
151	71.2	64.2	96.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.235 ug/L

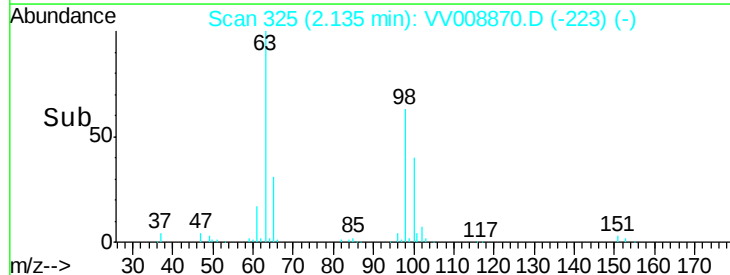
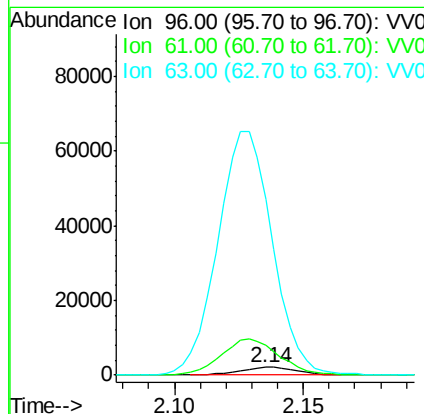
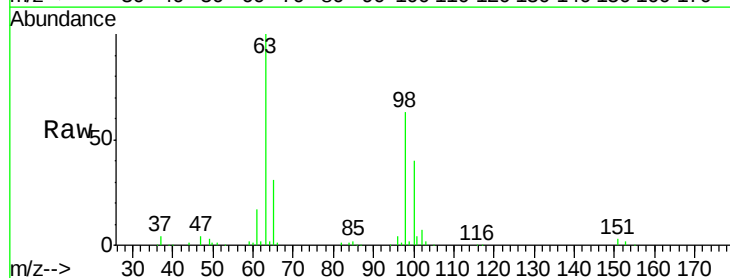
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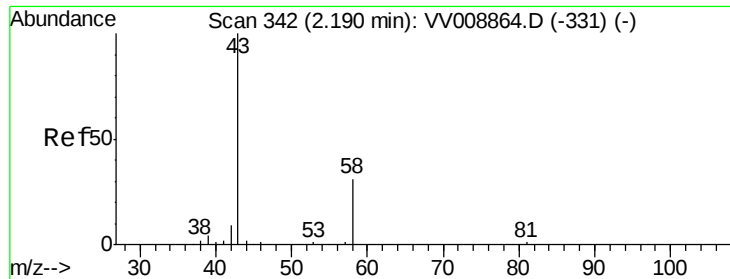
Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Tgt Ion:	96	Resp:	3163
Ion Ratio	Lower	Upper	
96	100		
61	372.7	114.0	211.6#
63	2236.4	82.4	153.0#





#13

Acetone

Concen: 3.200 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 43 Resp: 3530

Ion Ratio Lower Upper

43 100

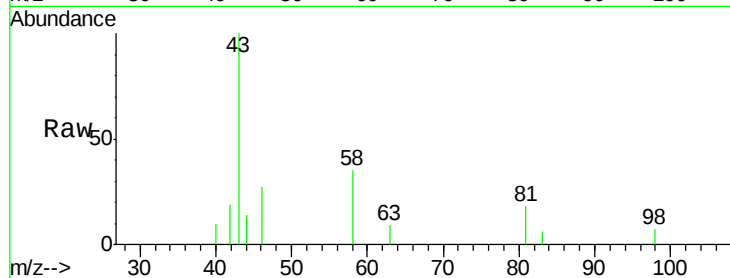
58 27.3 0.0 65.4

Manual Integrations

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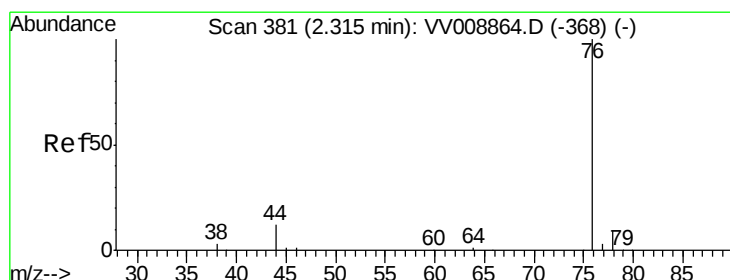
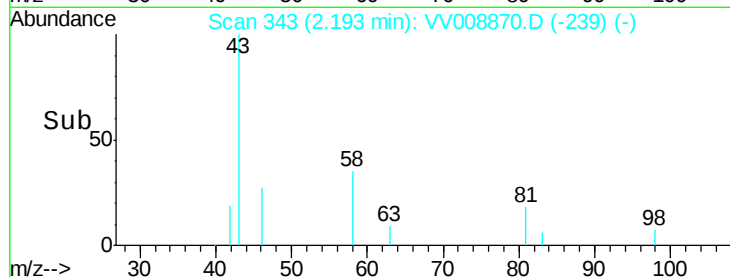
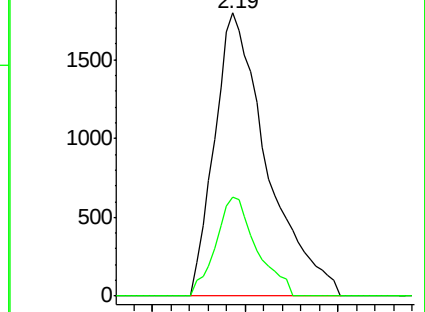
sam

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Abundance Ion 43.00 (42.70 to 43.70): VV008870.D (-239) (-)

Ion 58.00 (57.70 to 58.70): VV008870.D (-239) (-)



#14

Carbon disulfide

Concen: 0.892 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008870.D

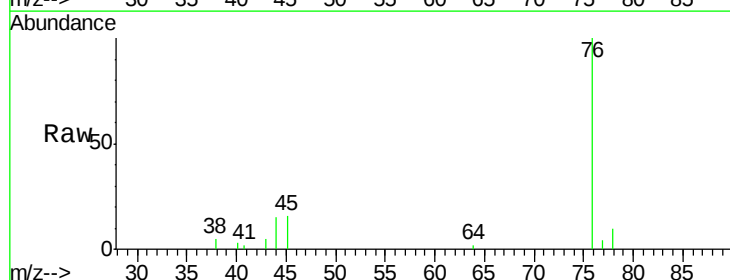
Acq: 06 Dec 2018 22:11

Tgt Ion: 76 Resp: 7339

Ion Ratio Lower Upper

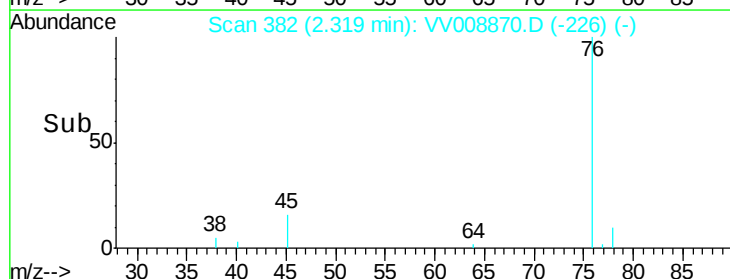
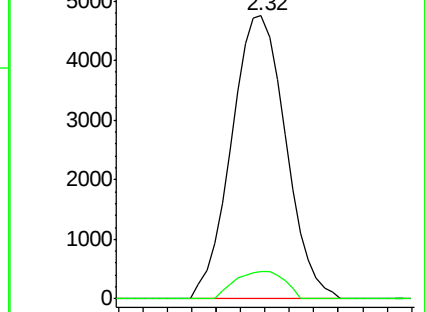
76 100

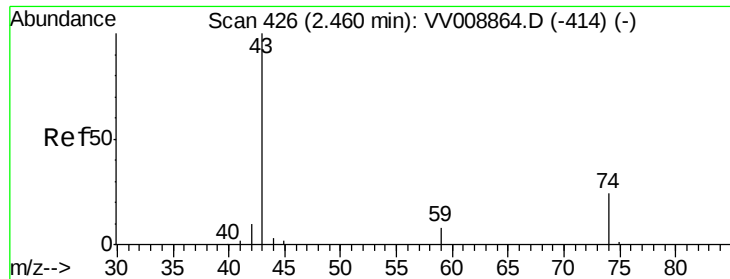
78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008870.D (-226) (-)

Ion 78.00 (77.70 to 78.70): VV008870.D (-226) (-)





#15

Methyl Acetate

Concen: 1.077 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 1506

Ion Ratio Lower Upper

43 100

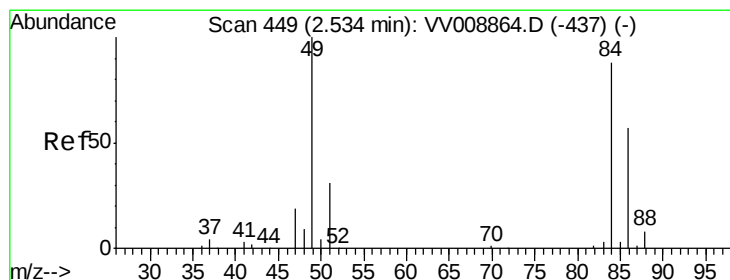
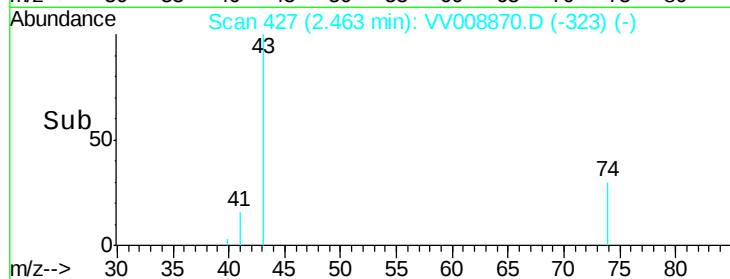
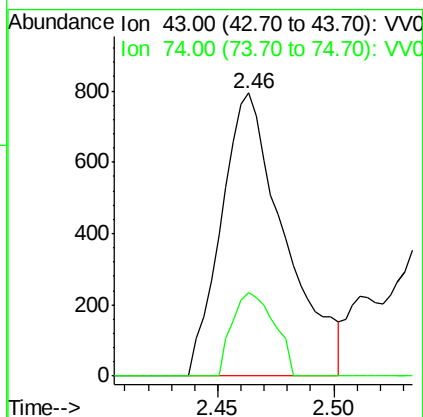
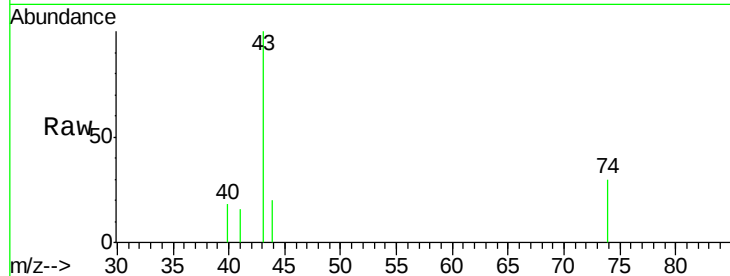
74 19.6 19.7 29.5#

Manual Integrations

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#16

Methylene chloride

Concen: 2.411 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

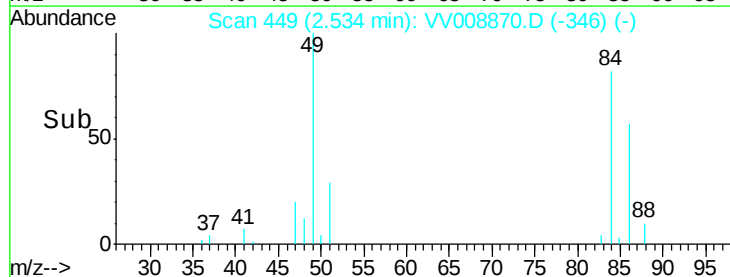
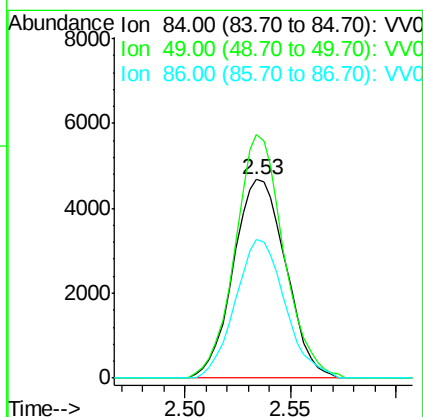
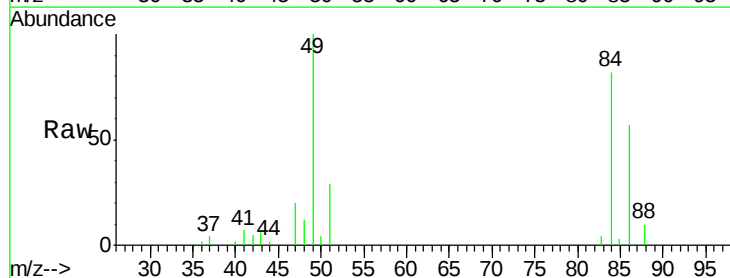
Tgt Ion: 84 Resp: 8066

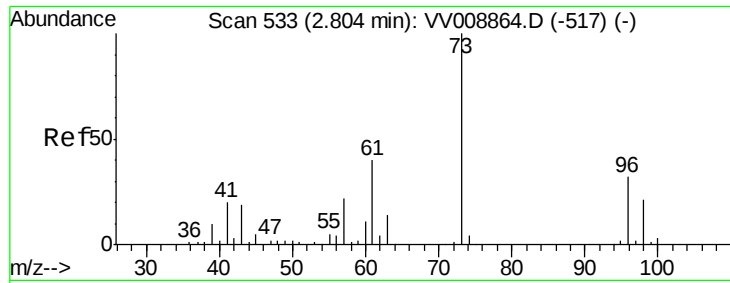
Ion Ratio Lower Upper

84 100

49 122.7 80.5 149.5

86 69.6 45.5 84.5





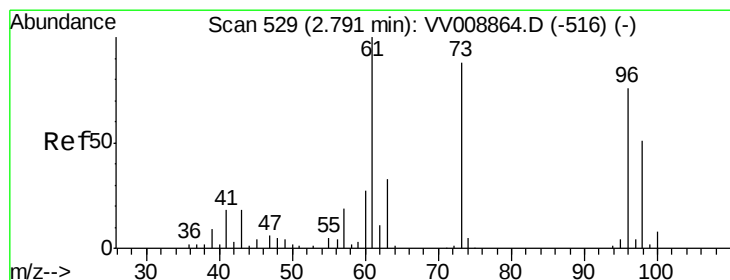
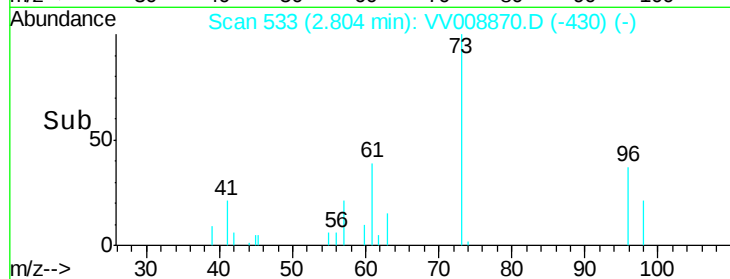
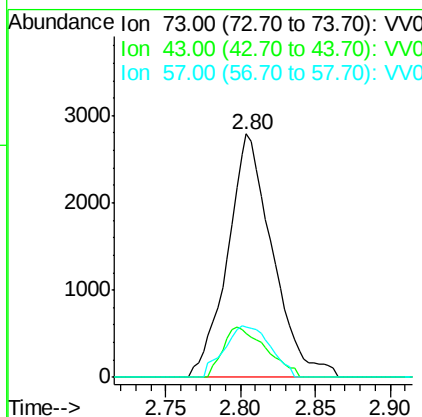
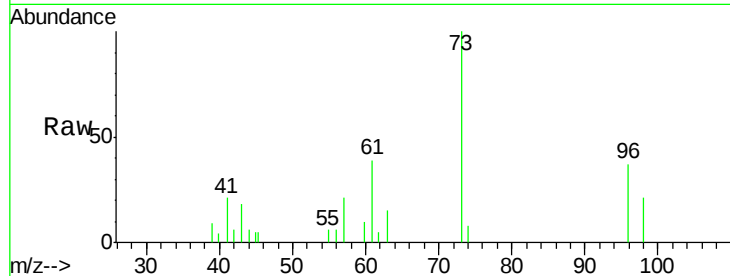
#17
Methyl tert-butyl Ether
Concen: 1.001 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion:	73	Resp:	5822
Ion	Ratio	Lower	Upper
73	100		
43	19.8	14.9	22.3
57	21.6	16.0	24.0

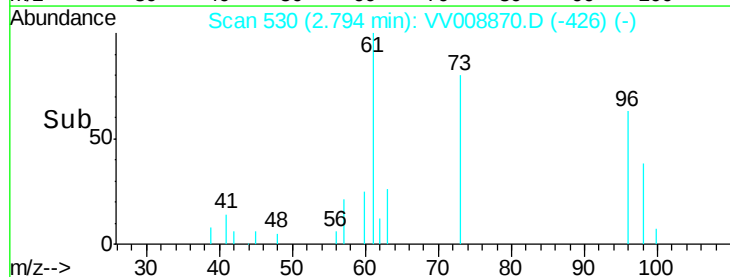
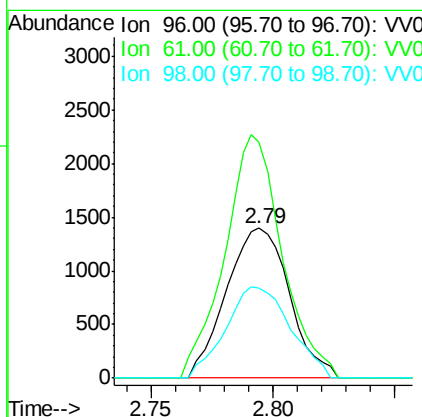
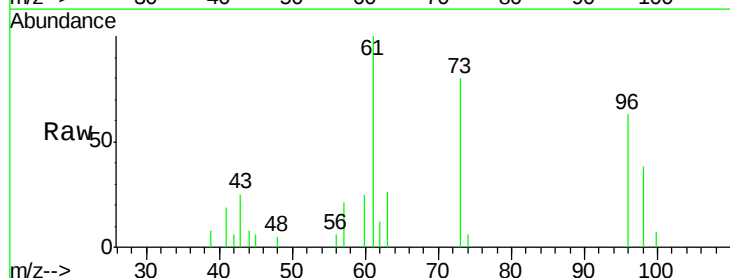
Manual Integrations
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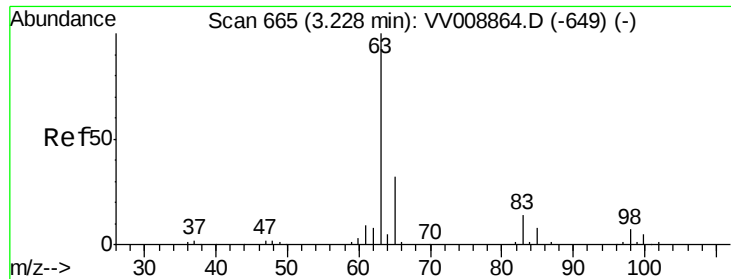
sam
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#18
trans-1,2-Dichloroethene
Concen: 0.907 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Tgt Ion:	96	Resp:	2511
Ion	Ratio	Lower	Upper
96	100		
61	157.9	94.6	175.8
98	60.4	45.3	84.1





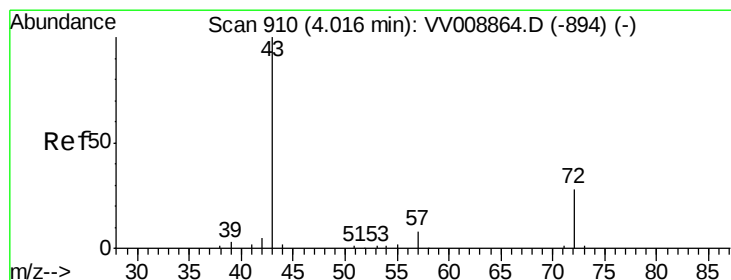
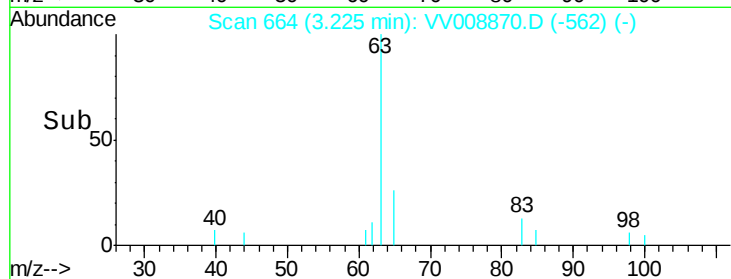
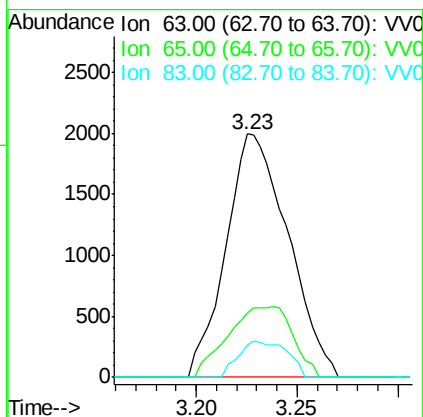
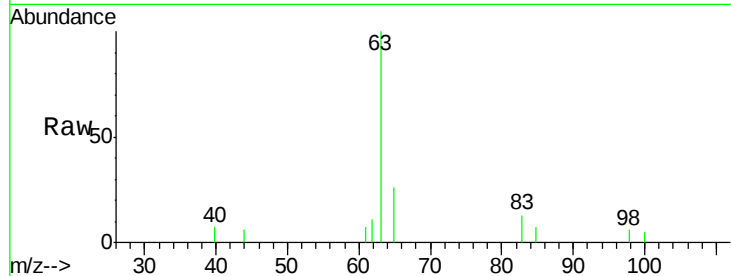
#19
 1,1-Dichloroethane
 Concen: 0.955 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 63 Resp: 4286
 Ion Ratio Lower Upper
 63 100
 65 26.2 22.7 42.1
 83 13.1 10.2 19.0

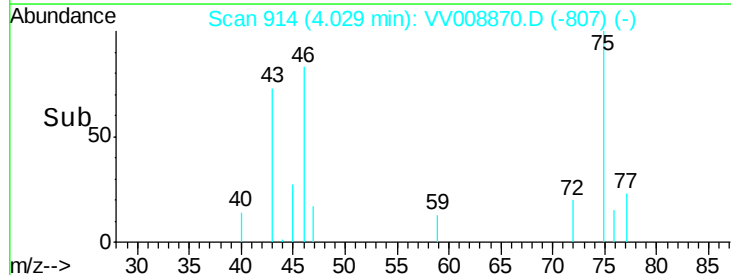
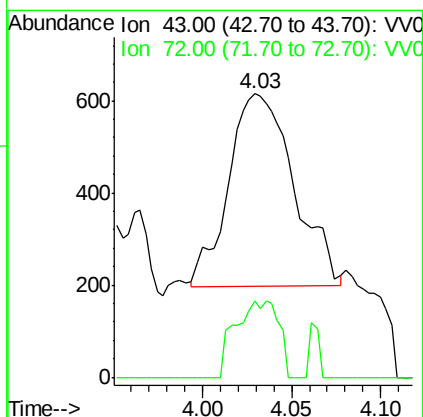
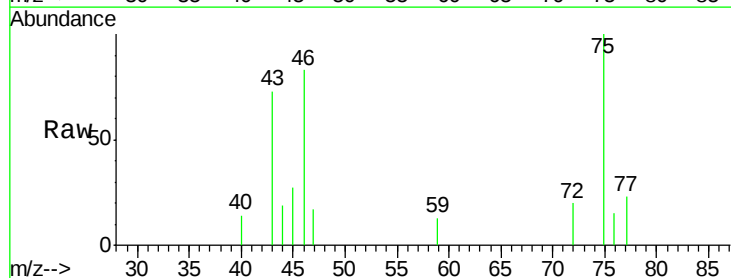
Manual Integrations
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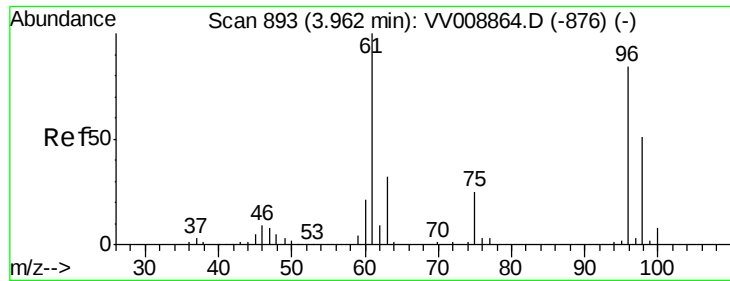
sam
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#21
 2-Butanone
 Concen: 1.030 ug/L m
 RT: 4.03 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Tgt Ion: 43 Resp: 1065
 Ion Ratio Lower Upper
 43 100
 72 2.8 13.7 41.1#





#22

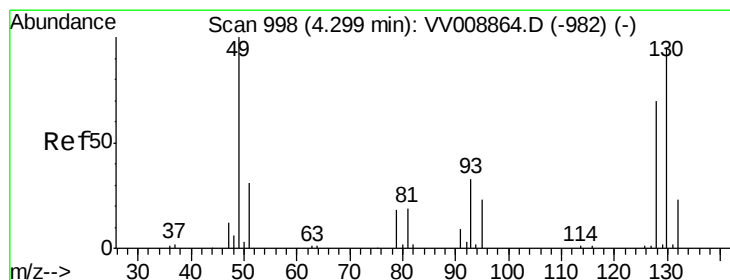
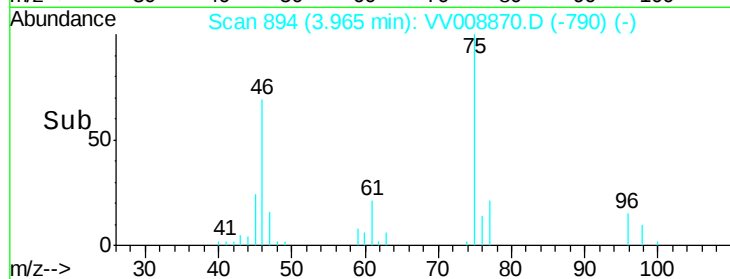
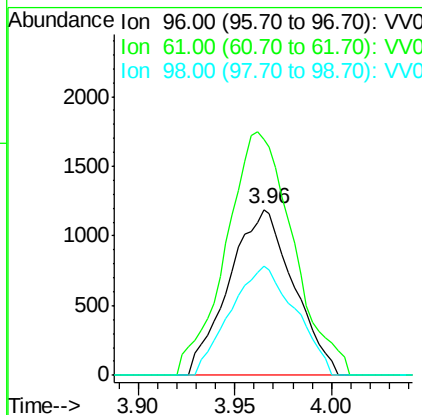
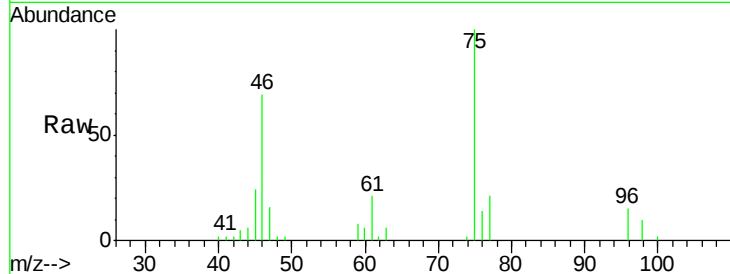
cis-1,2-Dichloroethene
Concen: 0.958 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.0	86.2	160.0
98	65.8	45.6	84.6

Manual Integrations
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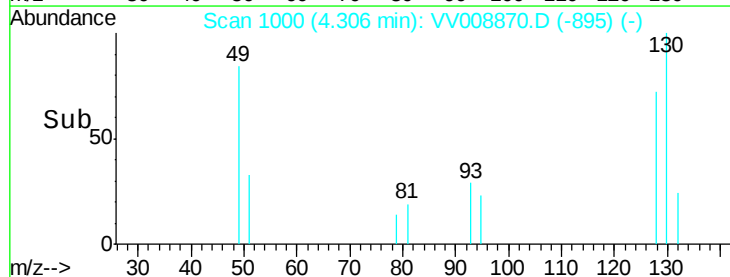
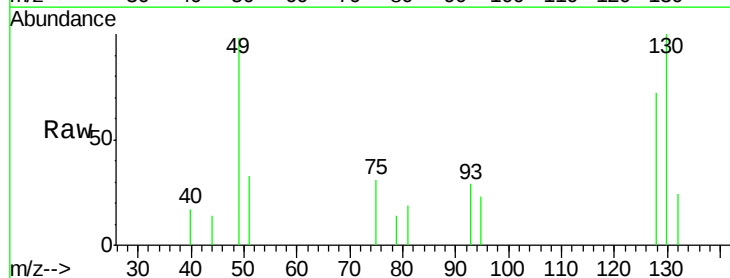
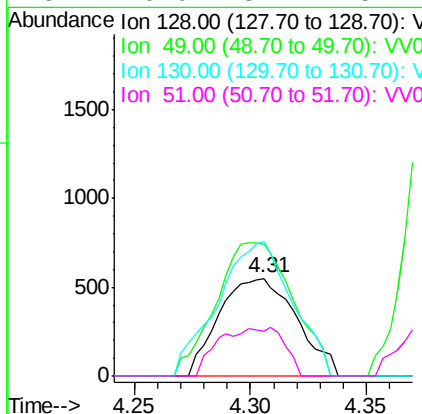
sam
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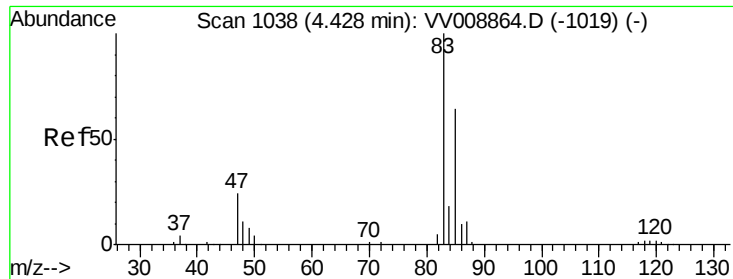


#23

Bromochloromethane
Concen: 0.935 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
128	100		
49	134.9	93.8	174.2
130	138.2	90.4	168.0
51	46.0	34.2	51.4





#25

Chloroform

Concen: 1.392 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 83 Resp: 6702

Ion Ratio Lower Upper

83 100

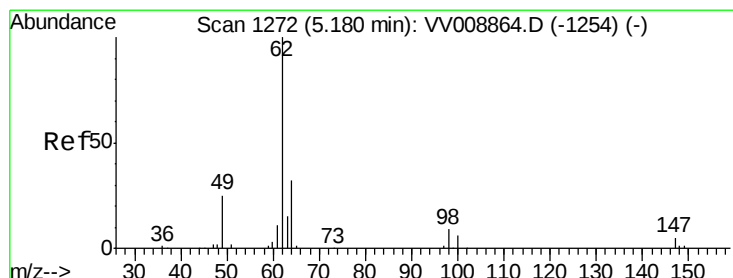
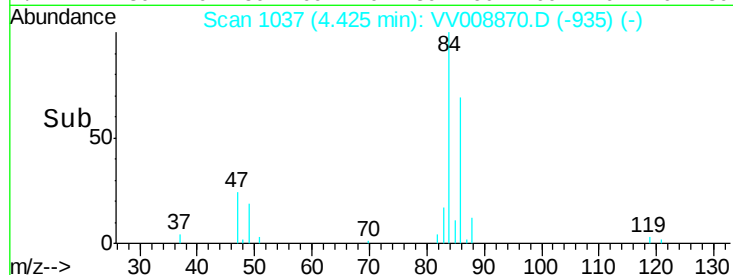
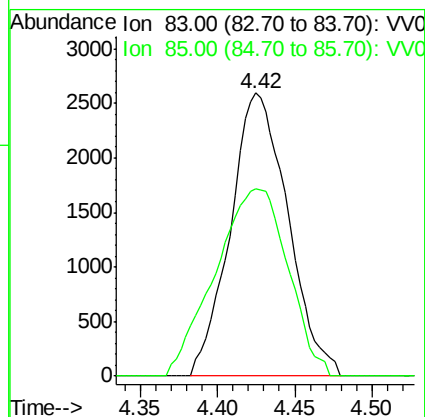
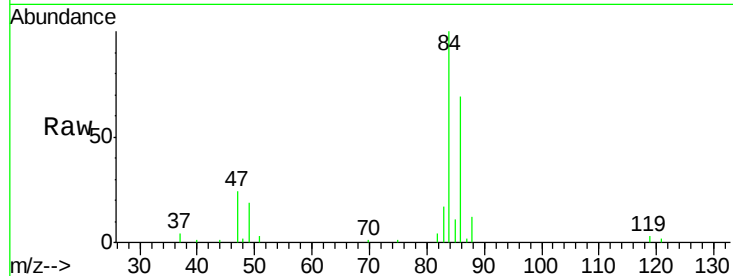
85 83.7 45.6 84.8

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 1.067 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VV008870.D

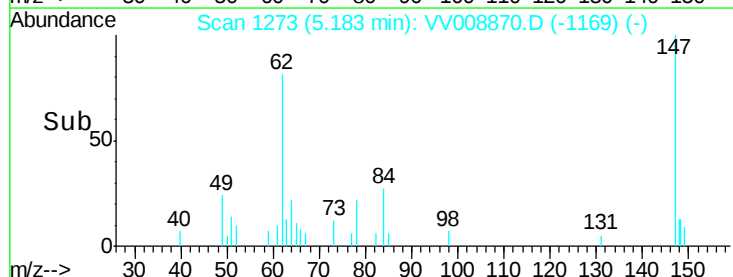
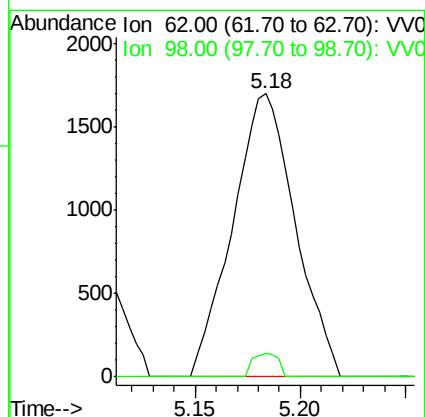
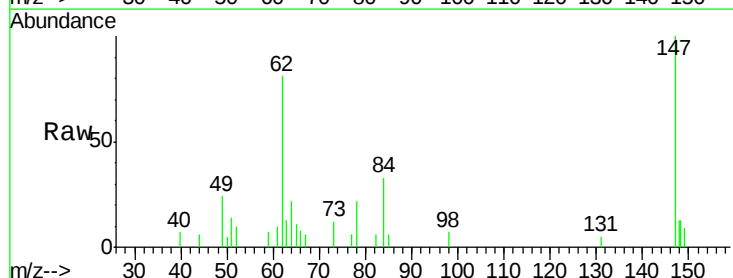
Acq: 06 Dec 2018 22:11

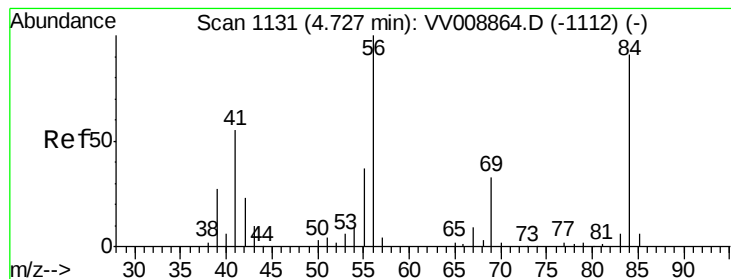
Tgt Ion: 62 Resp: 3499

Ion Ratio Lower Upper

62 100

98 8.2 7.4 11.0





#30

Cyclohexane

Concen: 0.895 ug/L m

RT: 4.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

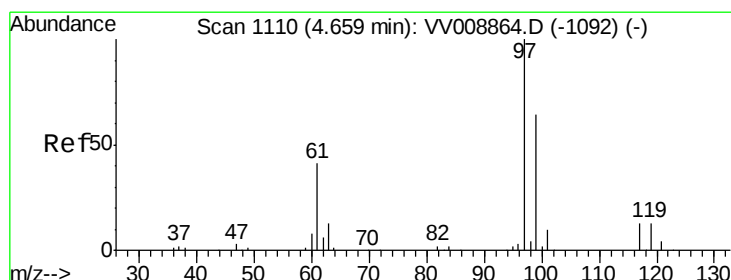
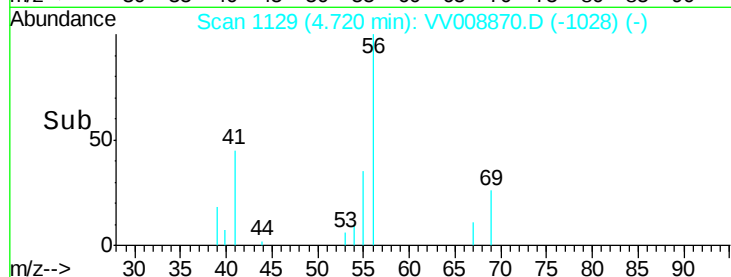
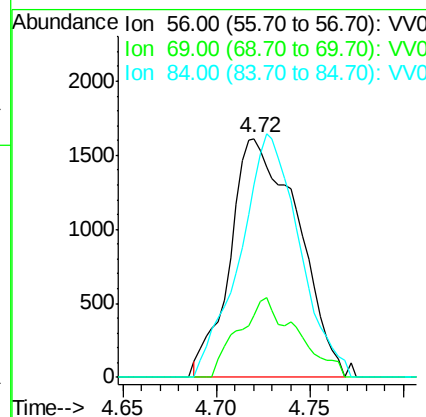
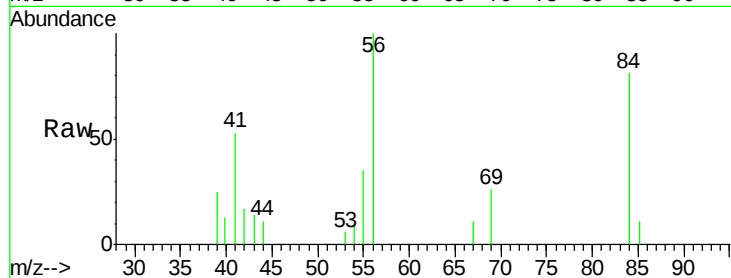
ClientSampled :

MDL05

Tgt Ion: 56 Resp: 4054
 Ion Ratio Lower Upper
 56 100
 69 20.2 25.8 38.8#
 84 89.4 73.0 109.6

Manual Integrations
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#31

1,1,1-Trichloroethane

Concen: 0.904 ug/L

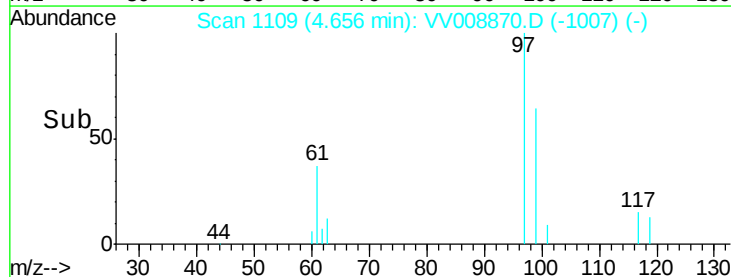
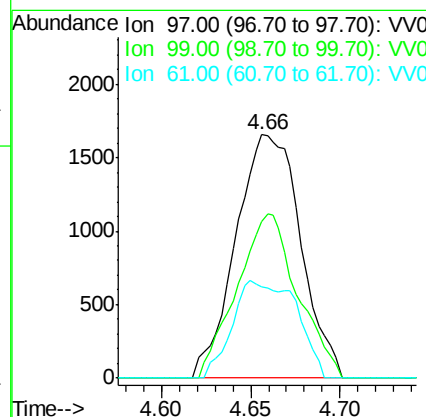
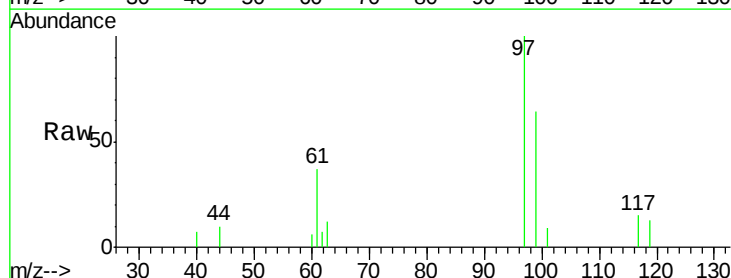
RT: 4.66 min Scan# 1109

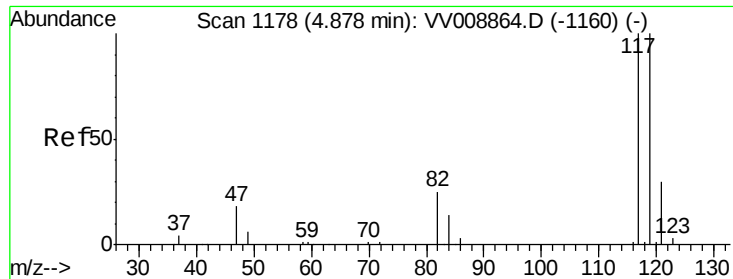
Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Tgt Ion: 97 Resp: 4195
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.9 77.9
 61 27.1 33.1 49.7#





#32

Carbon tetrachloride

Concen: 0.825 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:117 Resp: 3496

Ion Ratio Lower Upper

117 100

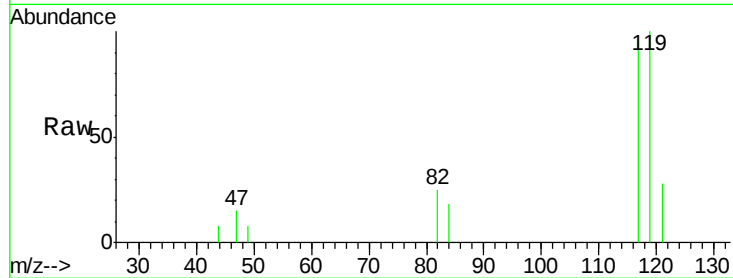
119 102.6 77.1 115.7

Manual Integrations

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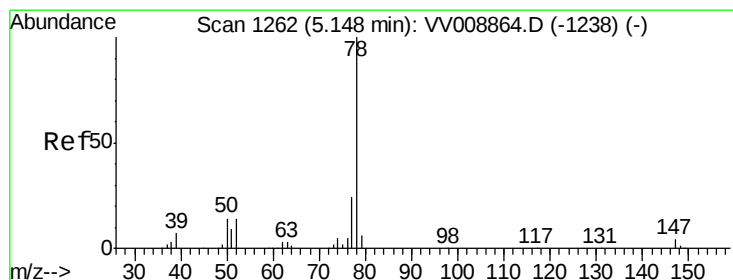
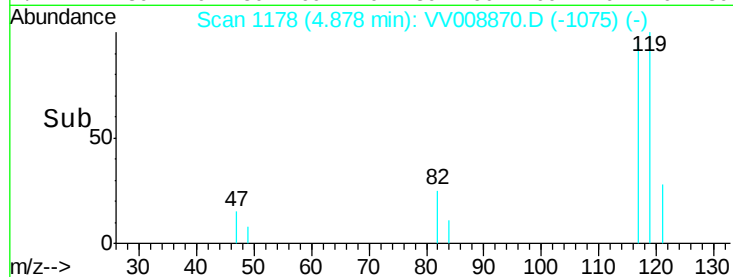
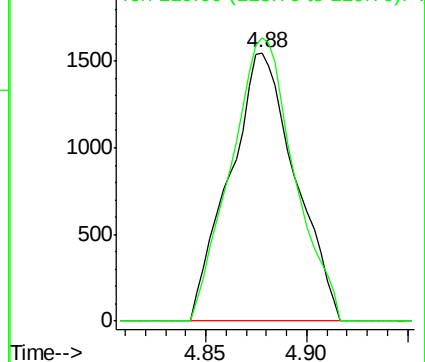
sam

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 0.922 ug/L

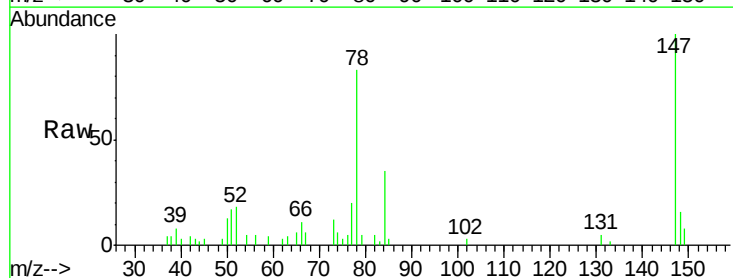
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

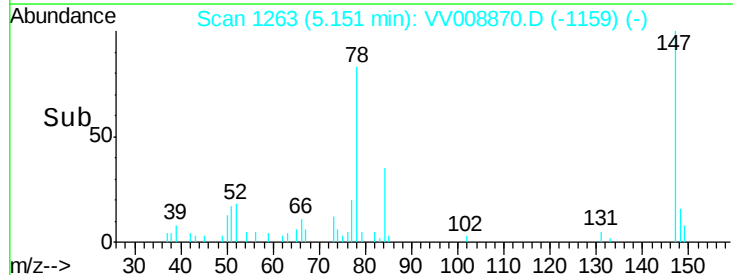
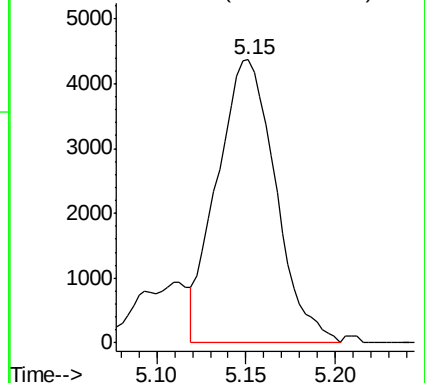
Lab File: VV008870.D

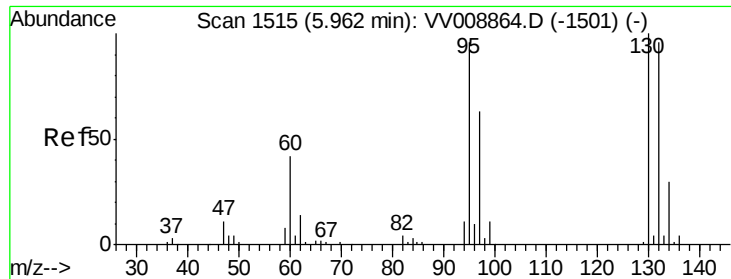
Acq: 06 Dec 2018 22:11

Tgt Ion: 78 Resp: 9944



Abundance Ion 78.00 (77.70 to 78.70): VV0





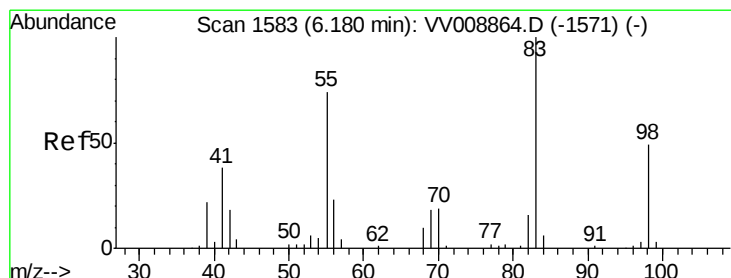
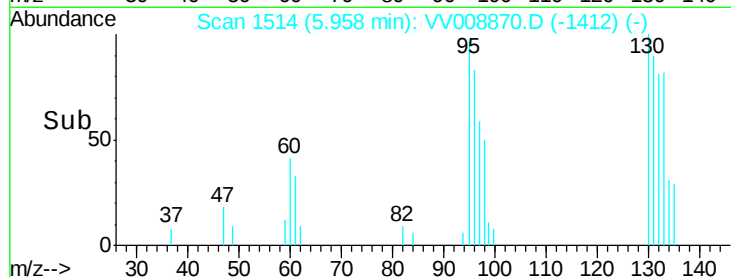
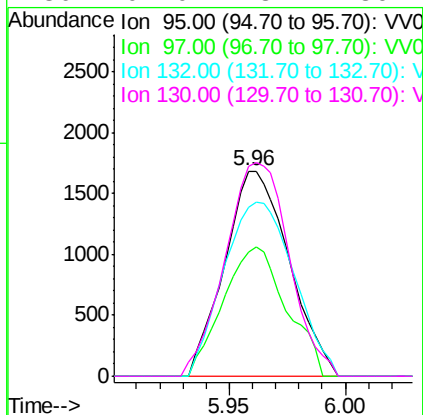
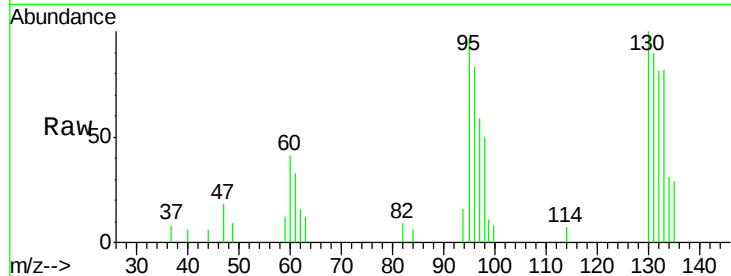
#35
 Trichloroethene
 Concen: 0.997 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 95 Resp: 3241
 Ion Ratio Lower Upper
 95 100
 97 62.1 45.3 84.1
 132 92.8 70.0 130.0
 130 104.0 73.4 136.4

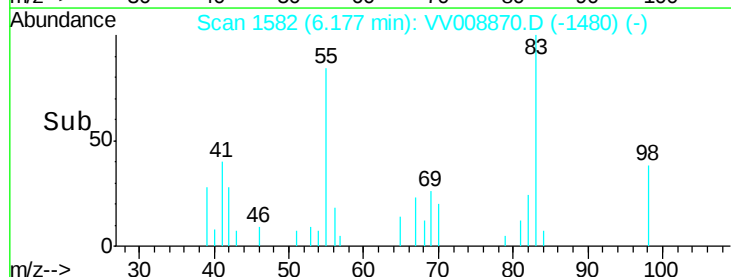
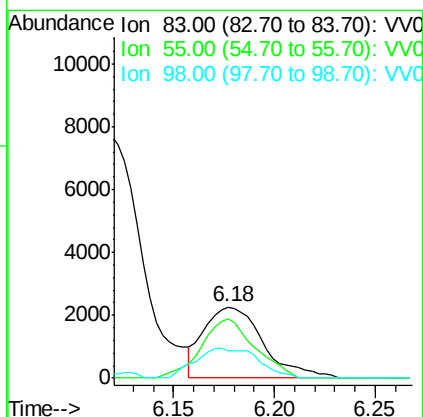
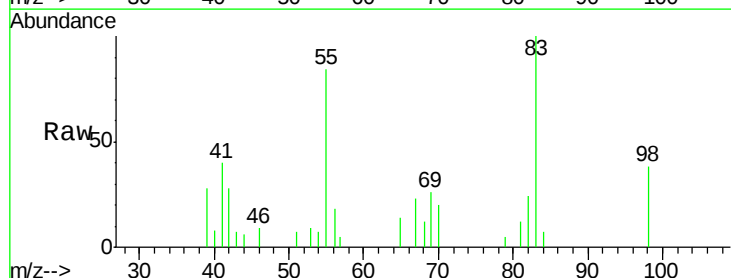
Manual Integrations
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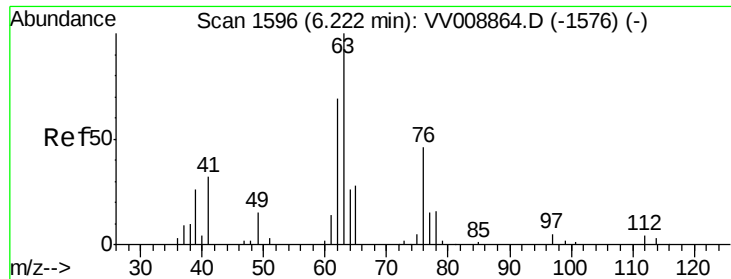
sam
 12/11/2018 4:26:03 PM



#36
 Methylcyclohexane
 Concen: 0.893 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Tgt Ion: 83 Resp: 4628
 Ion Ratio Lower Upper
 83 100
 55 75.0 58.2 87.2
 98 27.5 37.8 56.8#





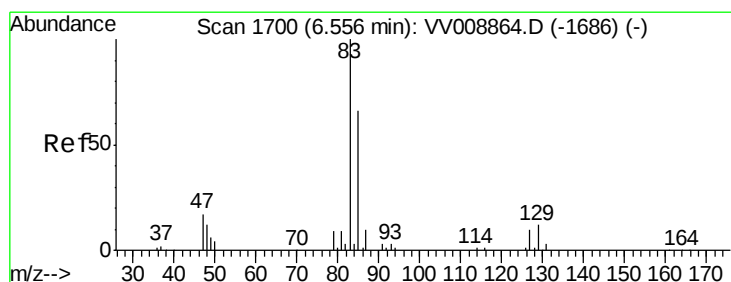
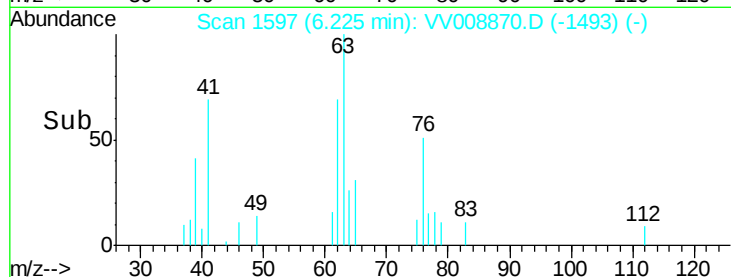
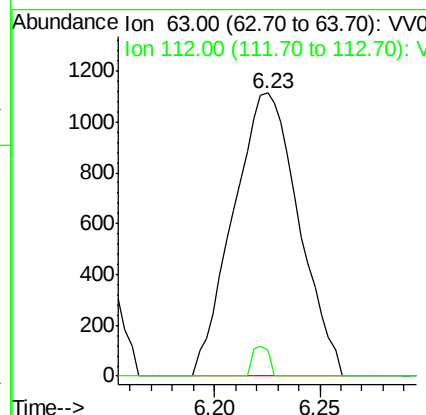
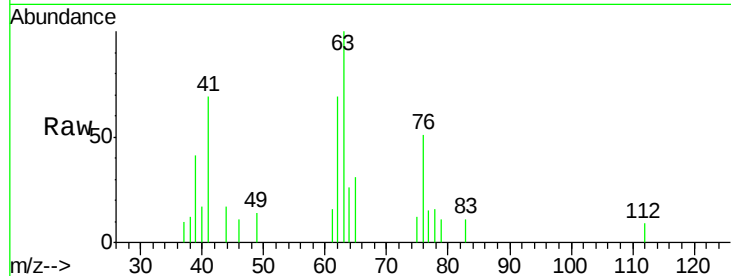
#40
 1,2-Dichloropropane
 Concen: 0.927 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion: 63 Resp: 2399
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.8 5.8#

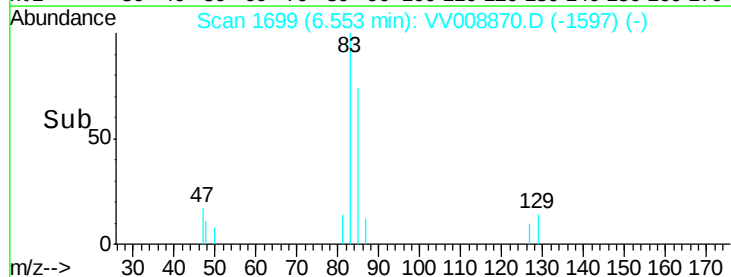
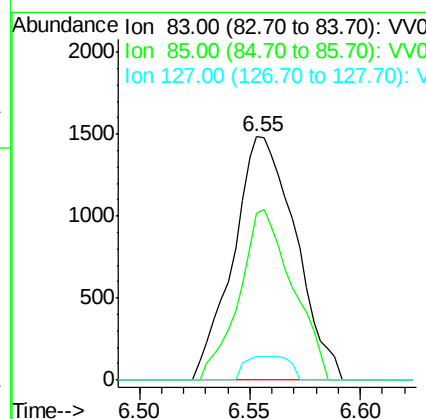
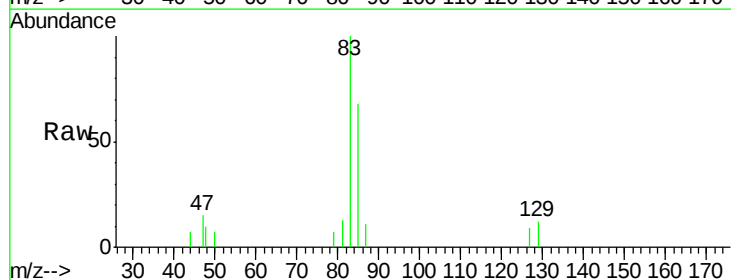
Manual Integrations
 APPROVED

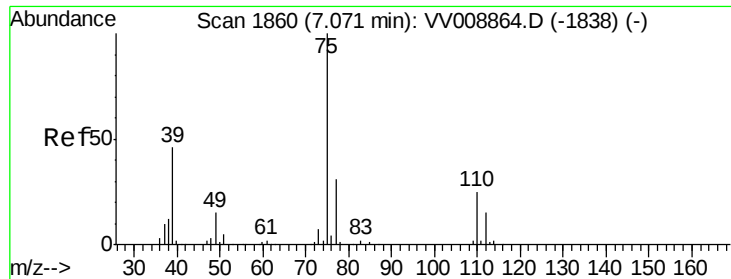
sam
 12/11/2018 4:26:03 PM



#41
 Bromodichloromethane
 Concen: 0.853 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Tgt Ion: 83 Resp: 2908
 Ion Ratio Lower Upper
 83 100
 85 68.4 45.3 84.1
 127 9.4 7.2 10.8





#42

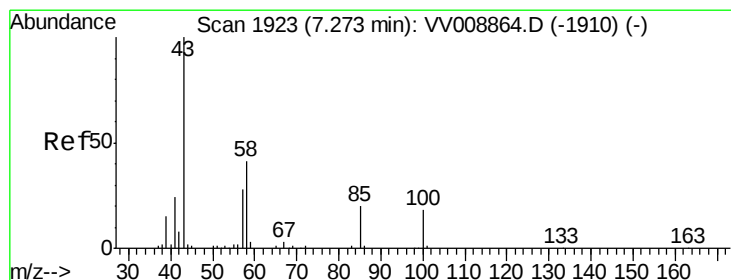
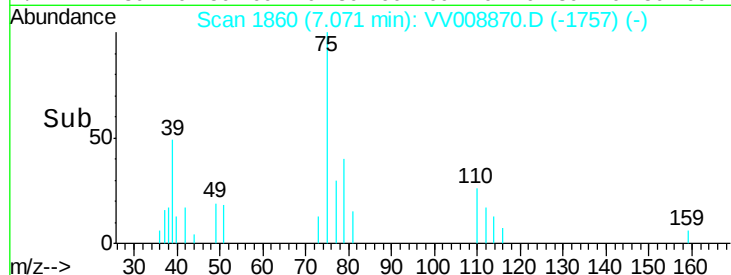
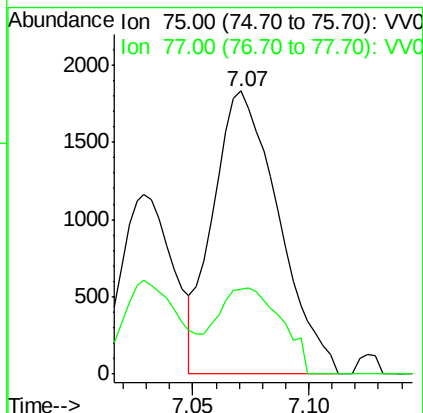
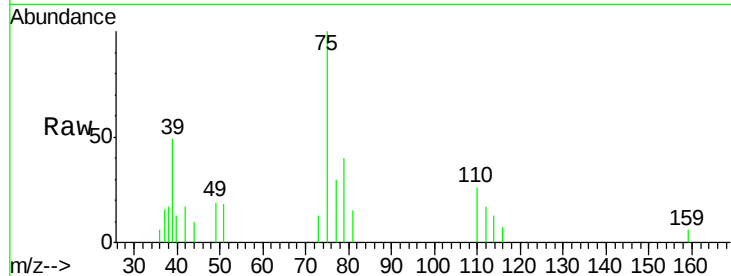
cis-1,3-Dichloropropene
Concen: 0.947 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 75 Resp: 3588
Ion Ratio Lower Upper
75 100
77 30.1 21.3 39.6

Manual Integrations
APPROVED

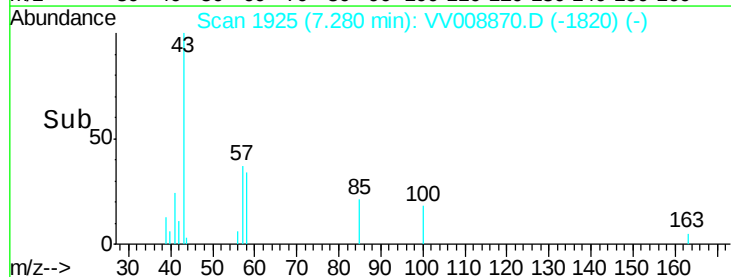
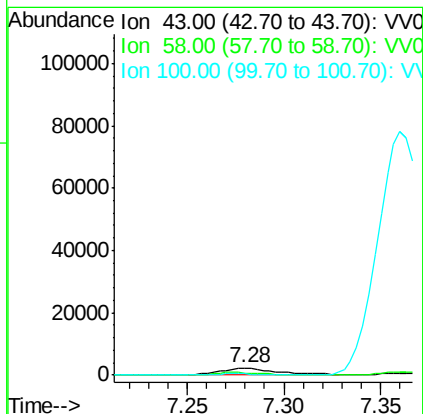
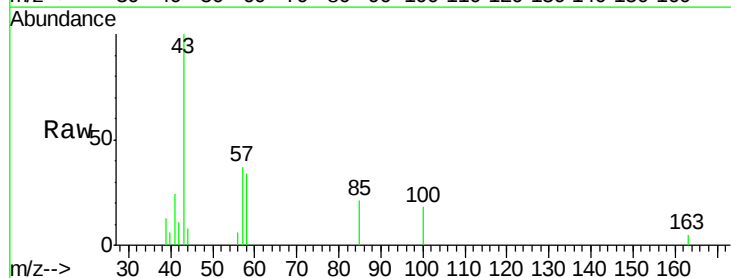
sam
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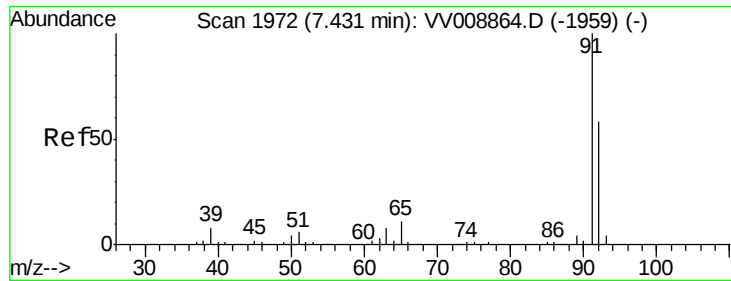


#43

4-Methyl-2-pentanone
Concen: 2.577 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Tgt Ion: 43 Resp: 4508
Ion Ratio Lower Upper
43 100
58 33.0 32.2 48.4
100 15.0 13.8 20.8





#44

Toluene

Concen: 0.976 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 91 Resp: 11039

Ion Ratio Lower Upper

91 100

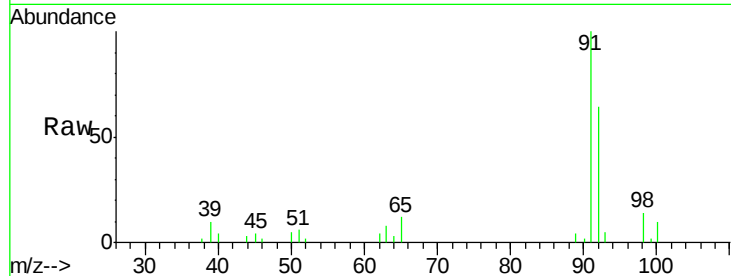
92 63.9 41.7 77.5

Manual Integrations

APPROVED

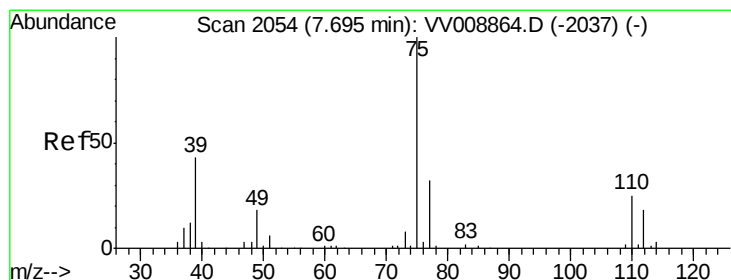
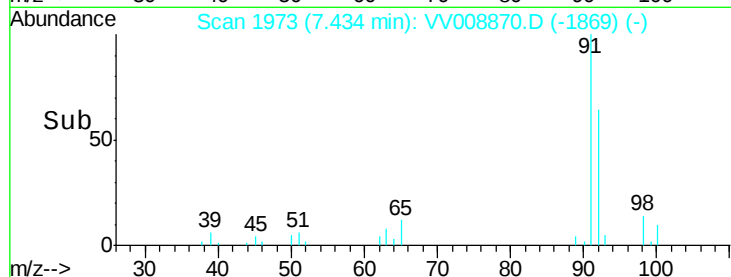
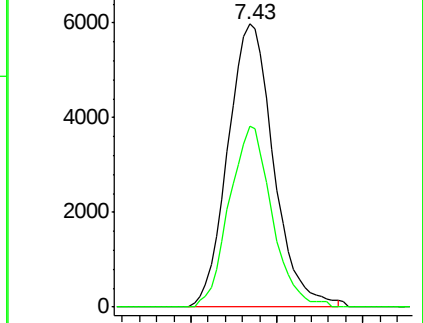
sam

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Abundance Ion 91.00 (90.70 to 91.70): VV008870.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV008870.D (-1869) (-)



#45

trans-1,3-Dichloropropene

Concen: 0.900 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008870.D

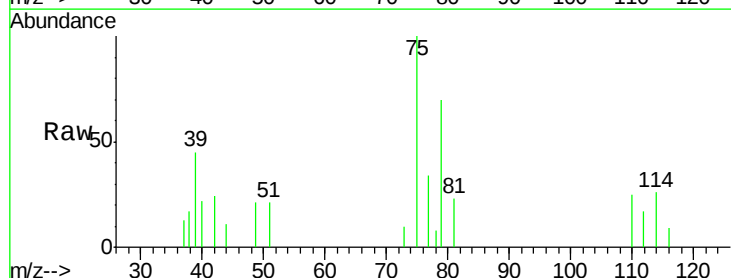
Acq: 06 Dec 2018 22:11

Tgt Ion: 75 Resp: 2972

Ion Ratio Lower Upper

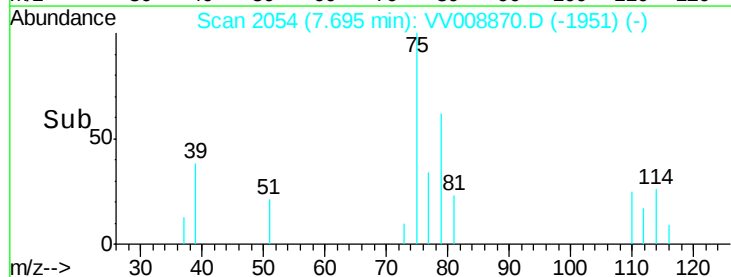
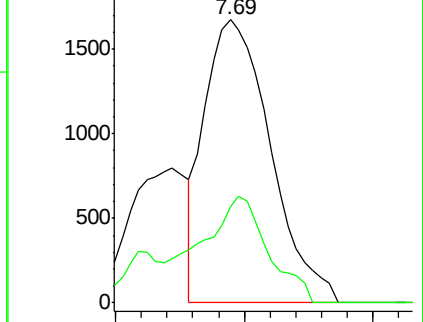
75 100

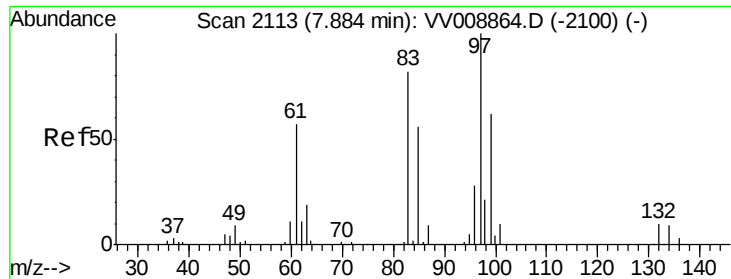
77 34.1 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV008870.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV008870.D (-1951) (-)





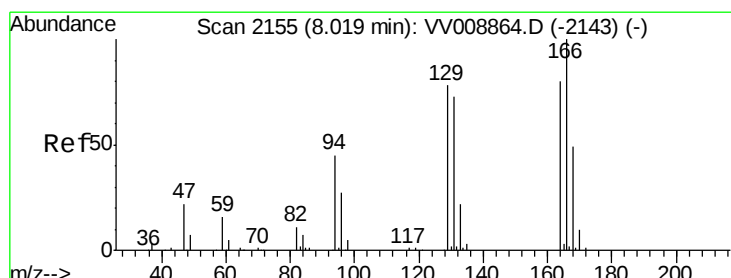
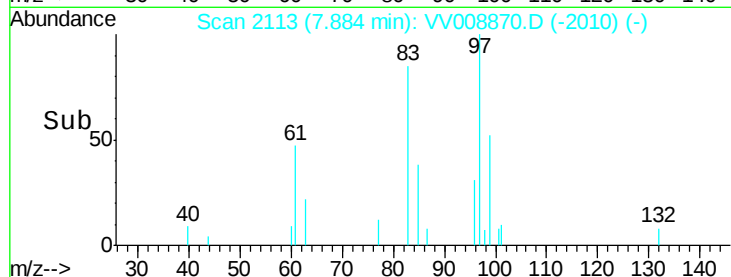
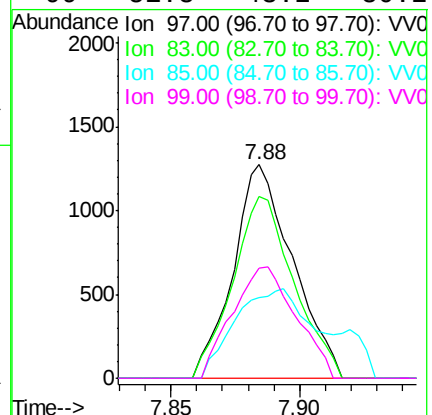
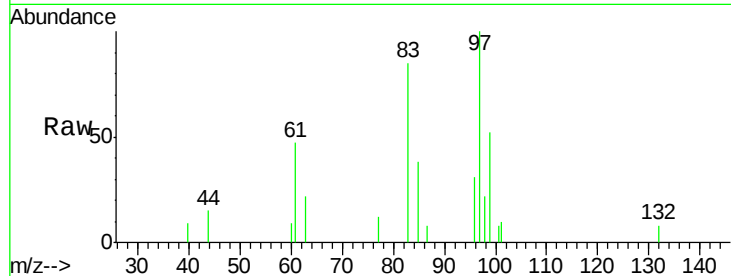
#46
1,1,2-Trichloroethane
Concen: 0.951 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	56.6	105.2
85	37.6	36.6	68.0
99	51.8	43.2	80.2

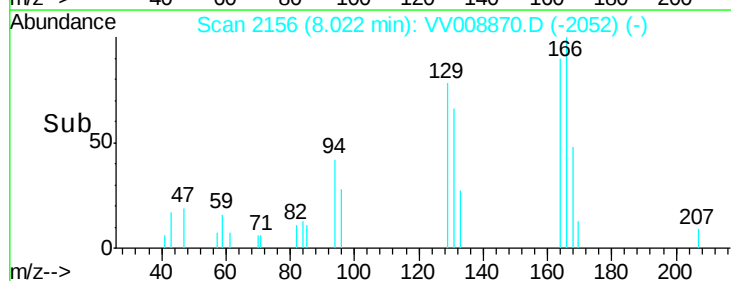
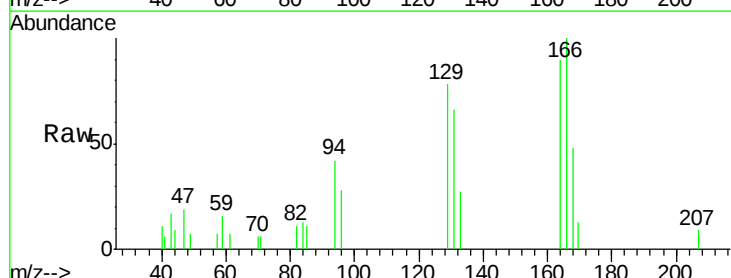
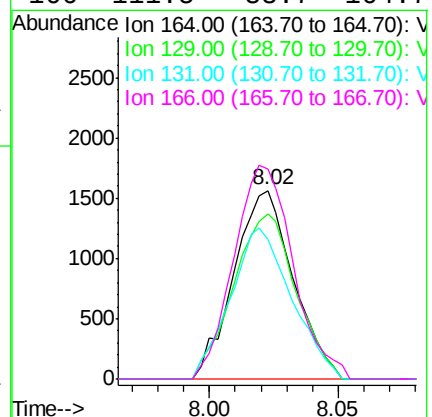
Manual Integrations
APPROVED

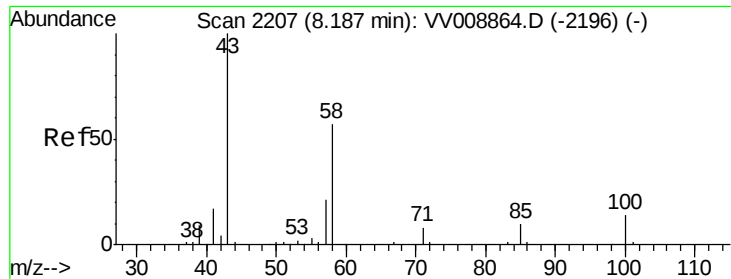
sam
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#47
Tetrachloroethene
Concen: 0.948 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
164	100		
129	87.3	64.6	120.0
131	74.1	64.5	119.7
166	111.5	88.7	164.7





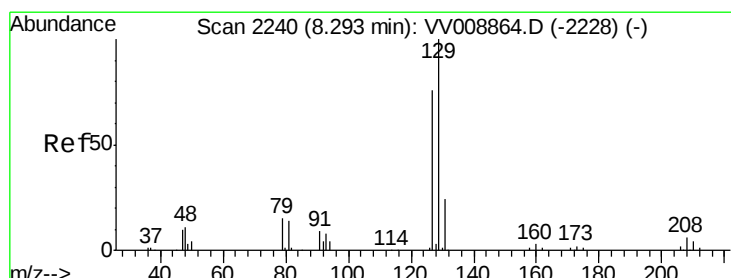
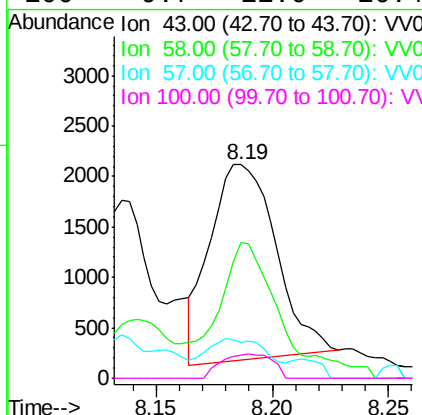
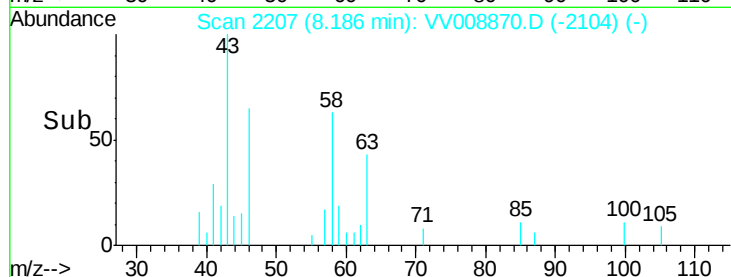
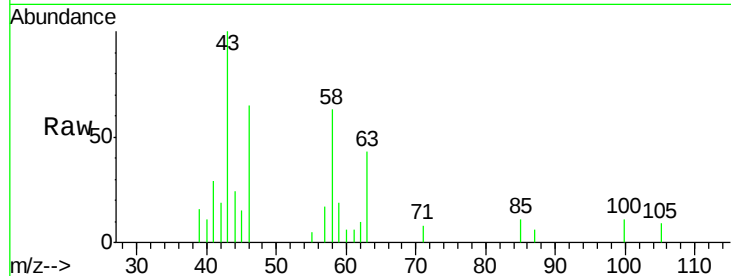
#49
2-Hexanone
Concen: 2.654 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.5	43.9	65.9
57	5.0	15.7	23.5#
100	9.7	11.0	16.4#

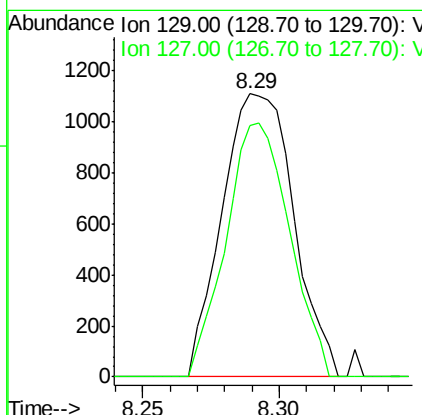
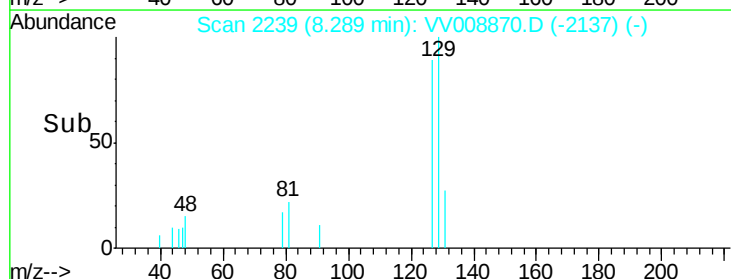
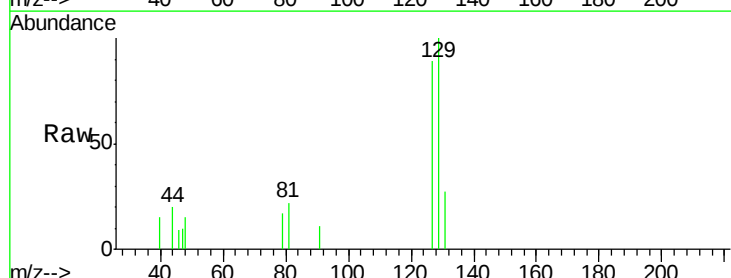
Manual Integrations
APPROVED

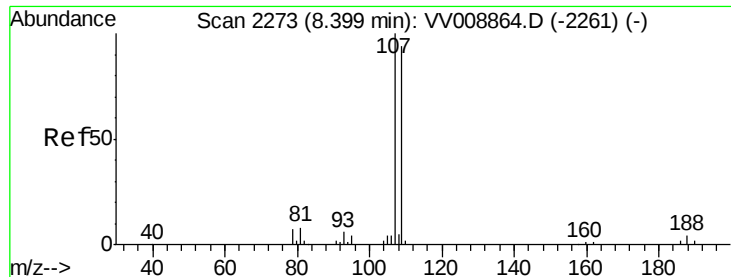
sam
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#50
Dibromochloromethane
Concen: 0.819 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	88.7	53.5	99.3





#51

1,2-Dibromoethane

Concen: 0.924 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

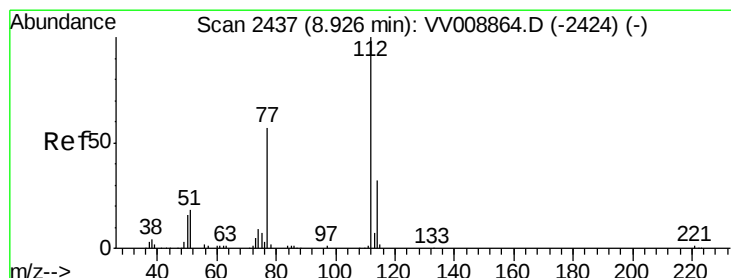
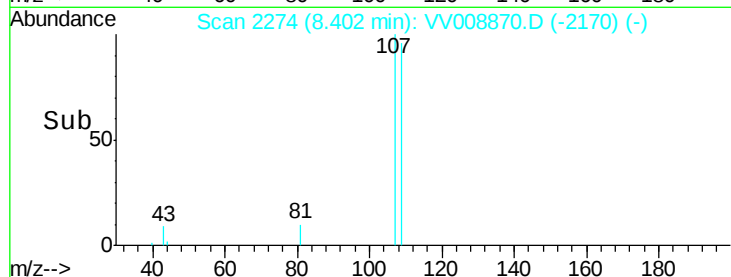
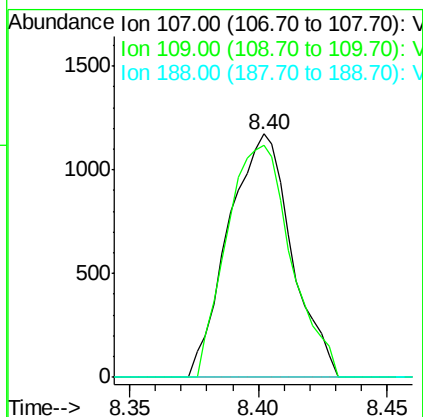
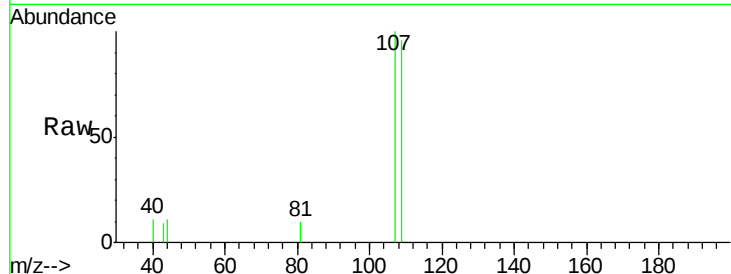
ClientSampleId :

MDL05

Tgt Ion:	107	Resp:	2001
Ion Ratio	Lower	Upper	
107	100		
109	95.6	65.8	122.2
188	0.0	3.0	4.6#

Manual Integrations
APPROVED

sam
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#52

Chlorobenzene

Concen: 0.944 ug/L

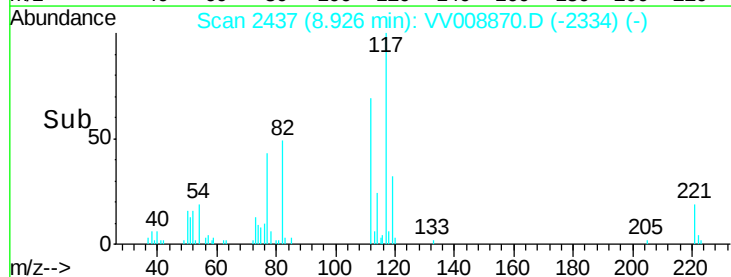
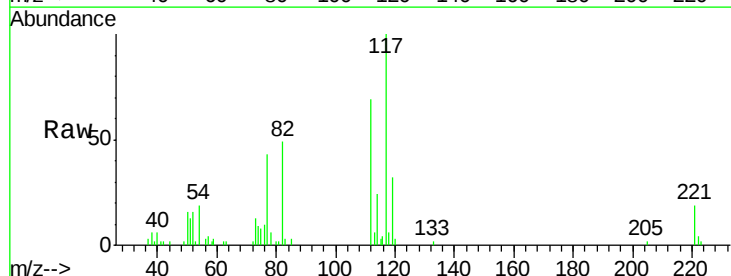
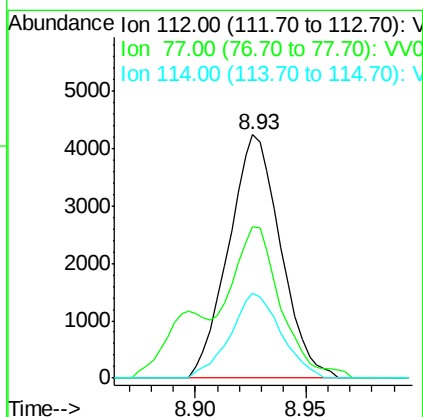
RT: 8.93 min Scan# 2437

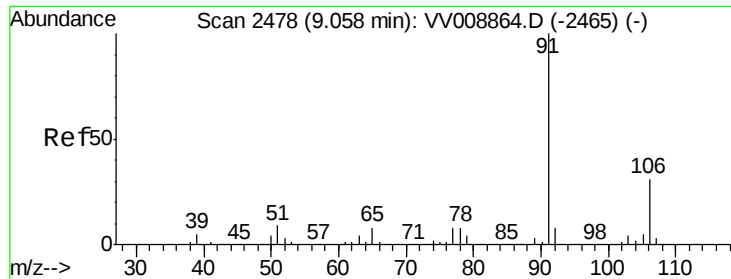
Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Tgt Ion:	112	Resp:	6947
Ion Ratio	Lower	Upper	
112	100		
77	62.4	44.6	66.8
114	34.8	22.6	42.0





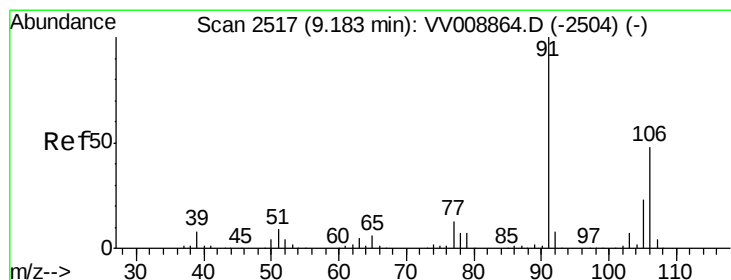
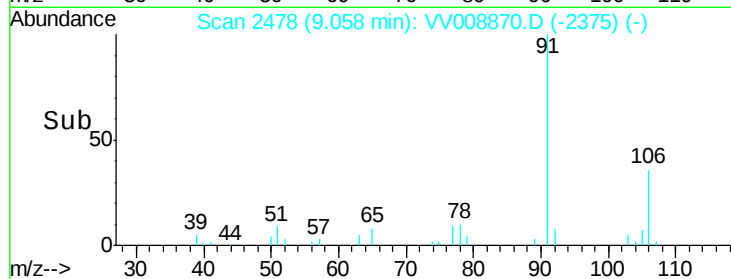
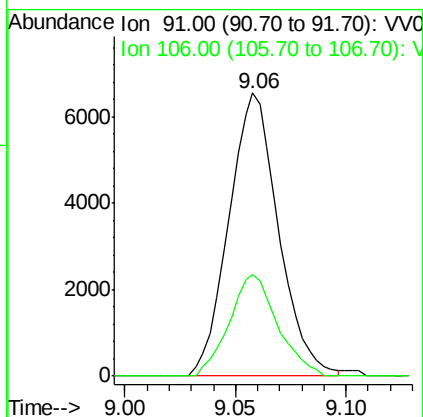
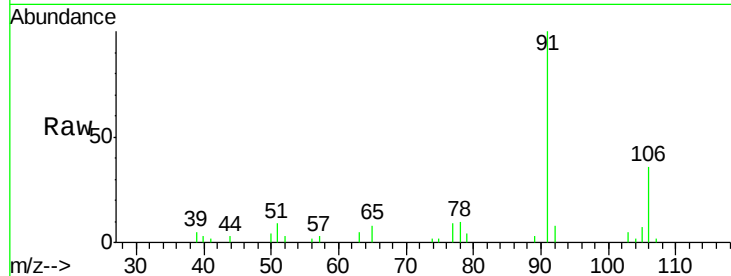
#53
Ethylbenzene
Concen: 0.833 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion: 91 Resp: 10218
Ion Ratio Lower Upper
91 100
106 35.9 21.3 39.5

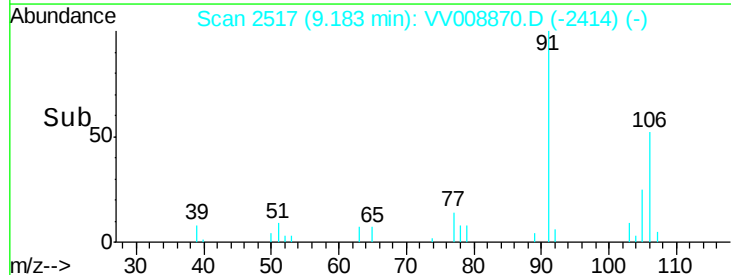
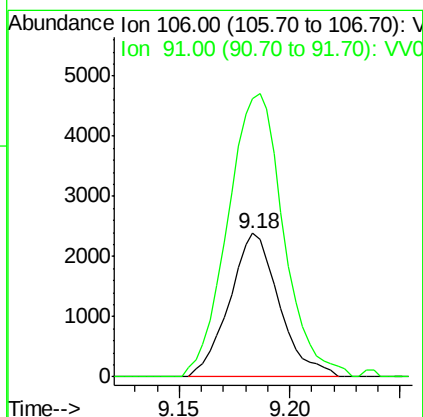
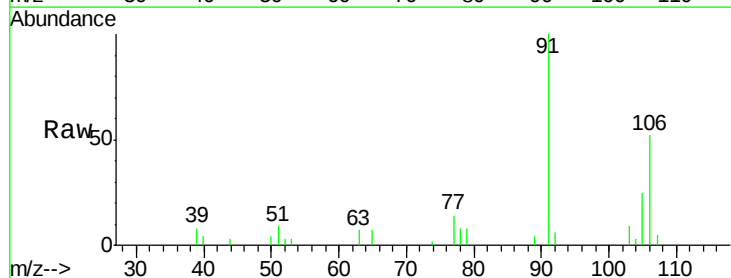
Manual Integrations
APPROVED

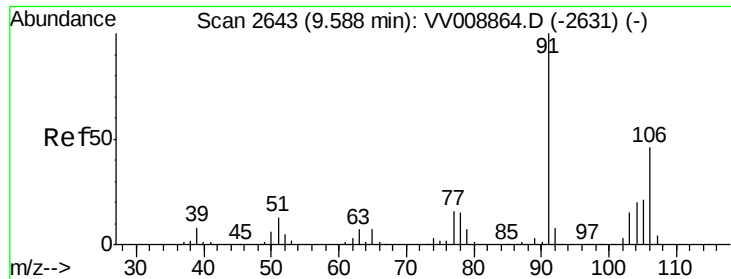
sam
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#54
m,p-Xylene
Concen: 0.805 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Tgt Ion: 106 Resp: 3740
Ion Ratio Lower Upper
106 100
91 194.0 141.3 262.3





#55

o-xylene

Concen: 0.891 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion:106 Resp: 3843

Ion Ratio Lower Upper

106 100

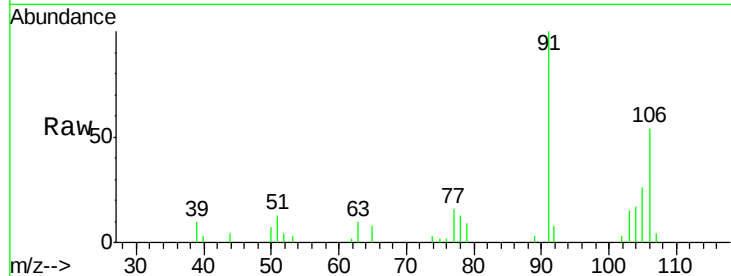
91 183.5 148.3 275.5

Manual Integrations

APPROVED

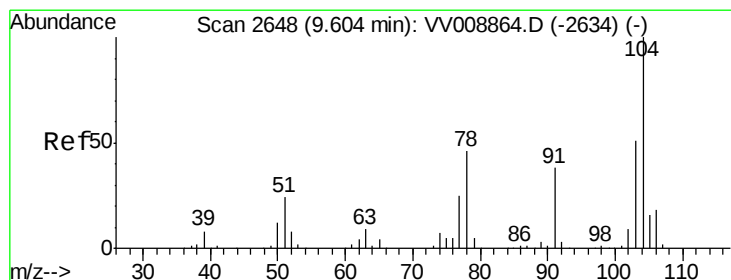
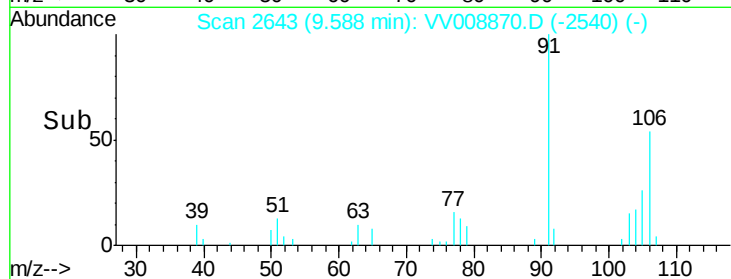
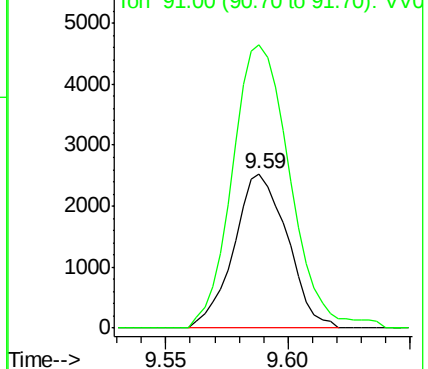
sam

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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: 0.807 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008870.D

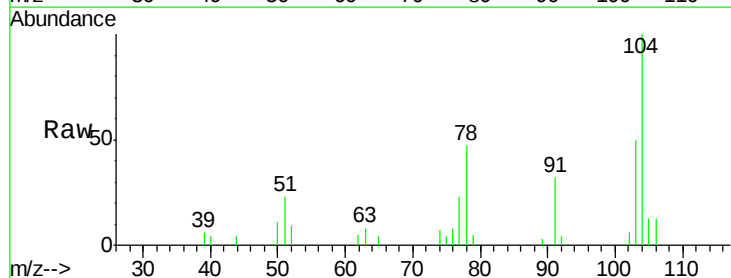
Acq: 06 Dec 2018 22:11

Tgt Ion:104 Resp: 5617

Ion Ratio Lower Upper

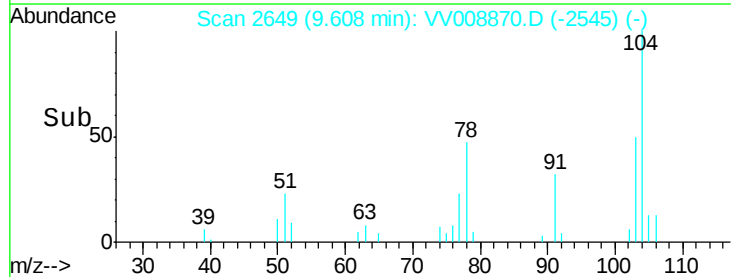
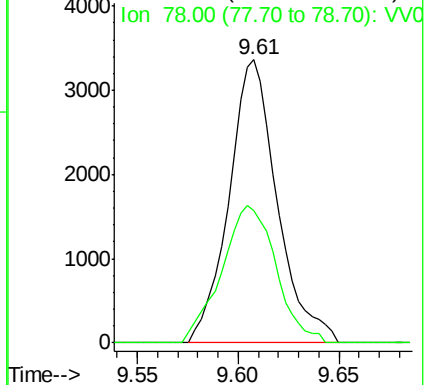
104 100

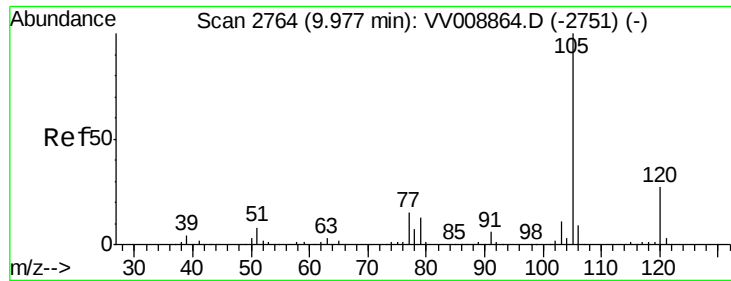
78 46.7 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 0.780 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

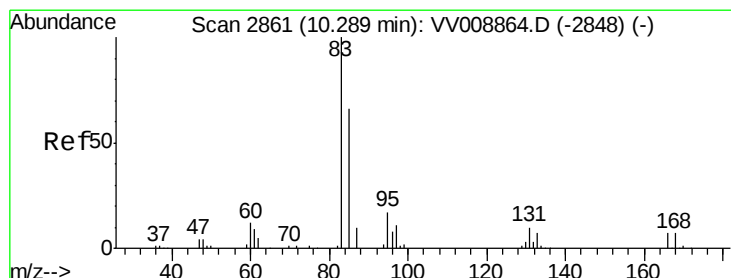
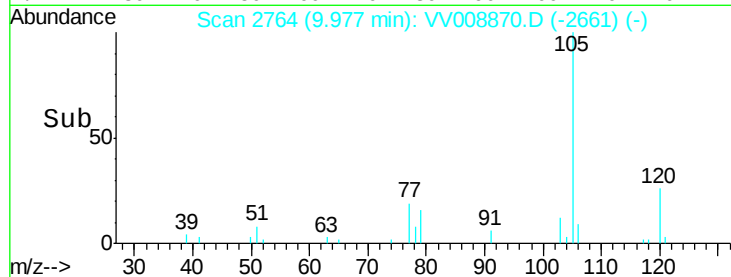
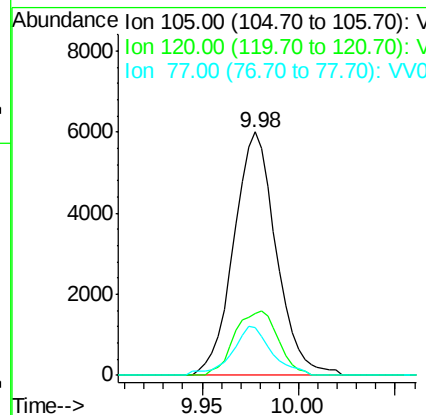
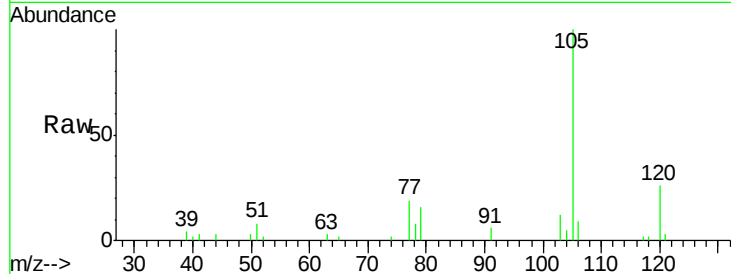
ClientSampleId :

MDL05

Tgt Ion:	105	Resp:	9145
Ion Ratio	Lower	Upper	
105	100		
120	27.2	21.7	32.5
77	18.0	12.4	18.6

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.155 ug/L

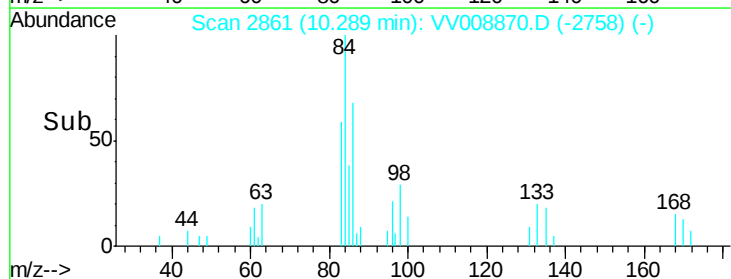
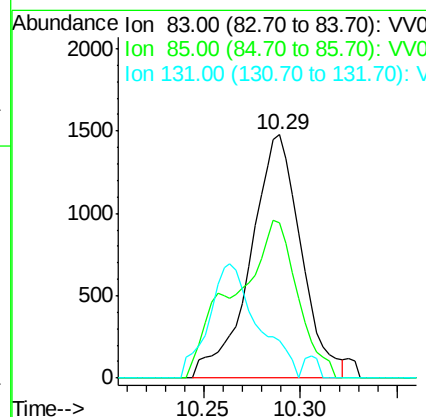
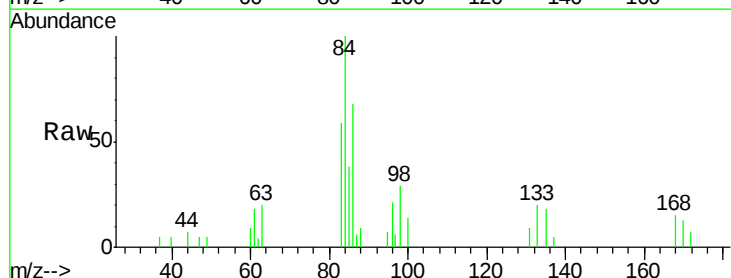
RT: 10.29 min Scan# 2861

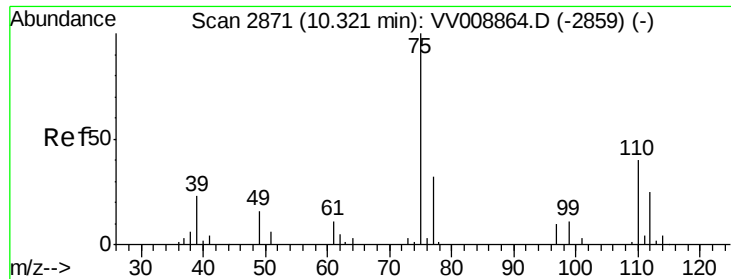
Delta R.T. -0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Tgt Ion:	83	Resp:	2693
Ion Ratio	Lower	Upper	
83	100		
85	63.9	44.3	82.3
131	15.7	7.8	11.8#





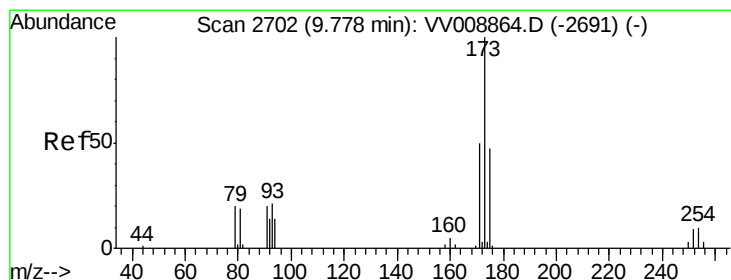
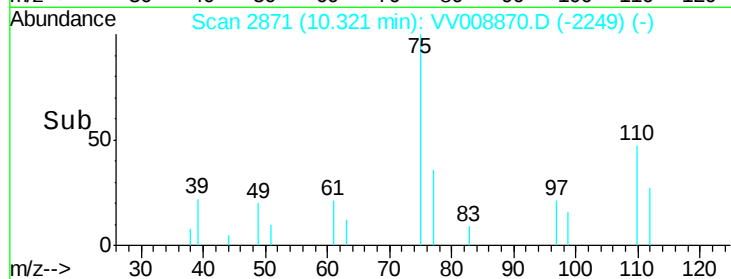
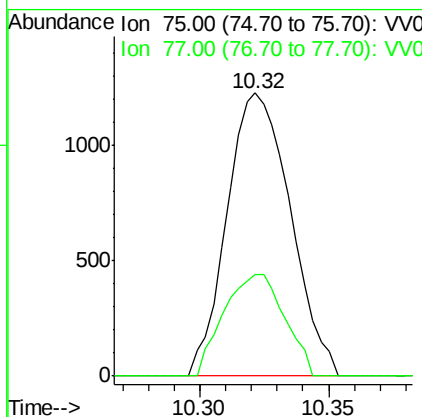
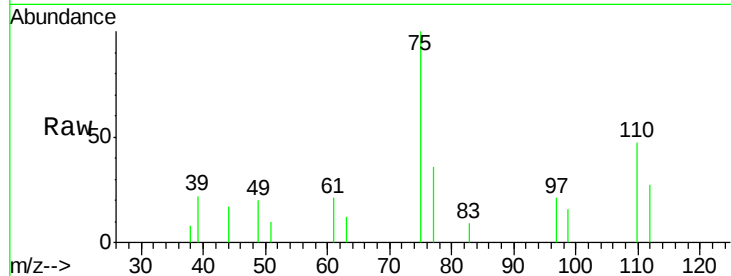
#59
 1,2,3-Trichloropropane
 Concen: 1.045 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion: 75 Resp: 2107
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.6 38.4

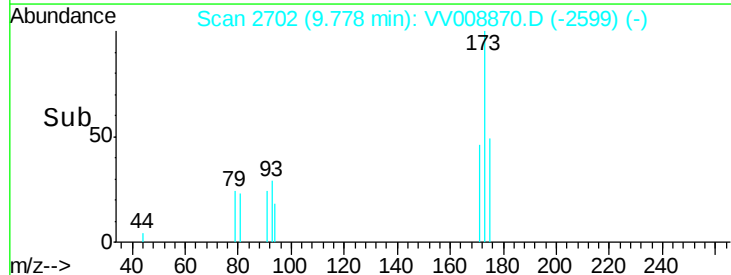
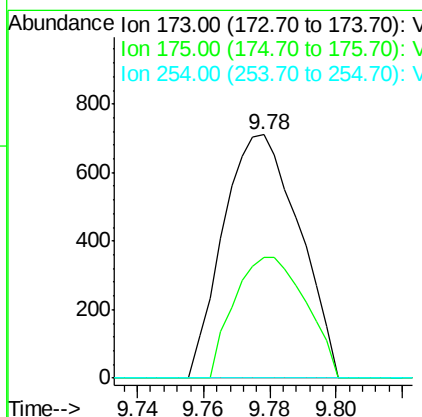
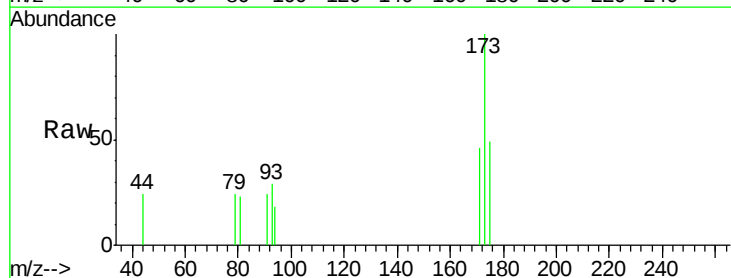
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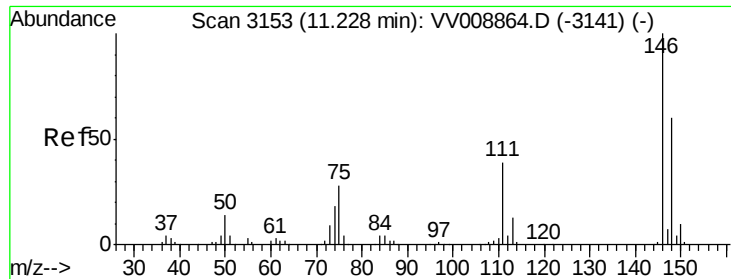
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#62
 Bromoform
 Concen: 0.853 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Tgt Ion: 173 Resp: 1131
 Ion Ratio Lower Upper
 173 100
 175 46.9 37.7 56.5
 254 0.0 7.1 10.7#





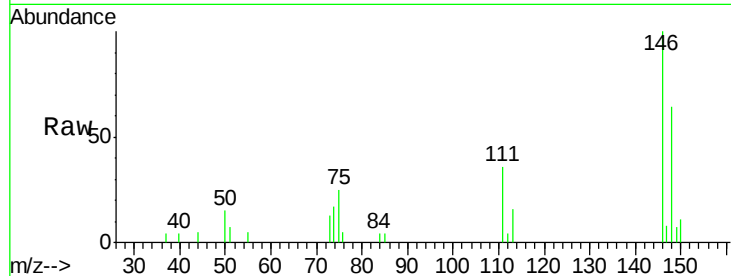
#63
 1,3-Dichlorobenzene
 Concen: 0.990 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

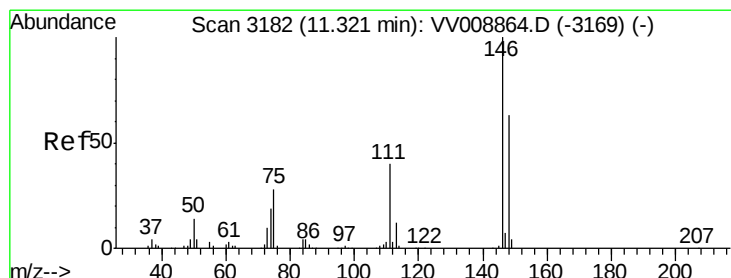
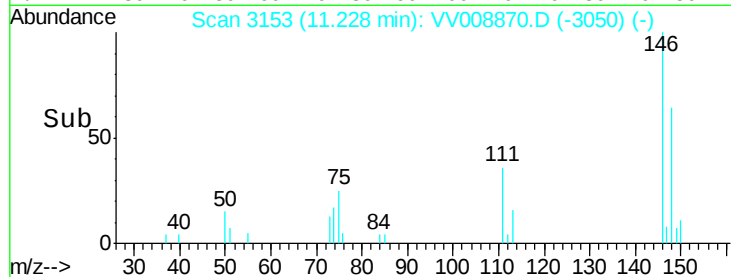
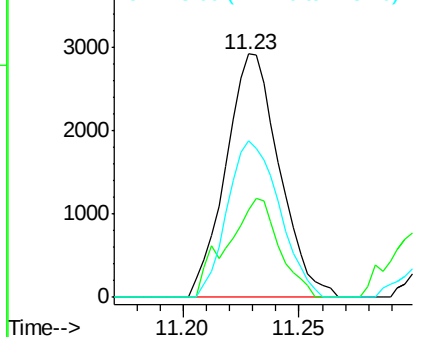
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	27.5	51.1
148	64.1	44.0	81.8

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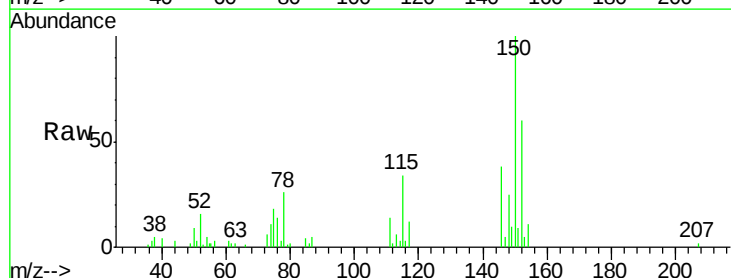


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

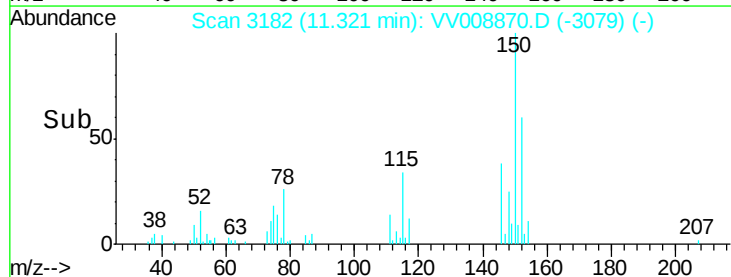
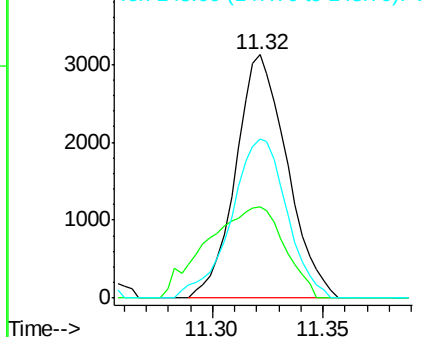


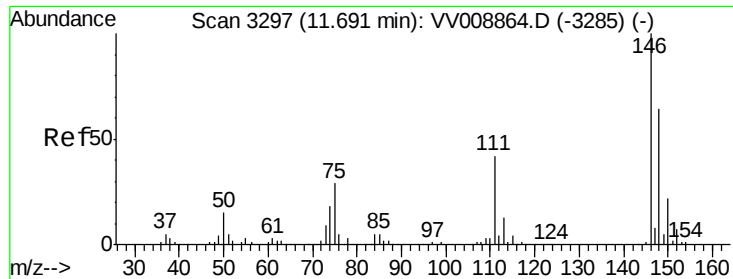
#64
 1,4-Dichlorobenzene
 Concen: 1.040 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.8	49.8
148	65.3	45.8	85.0



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.046 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Instrument :

MSVOA_V

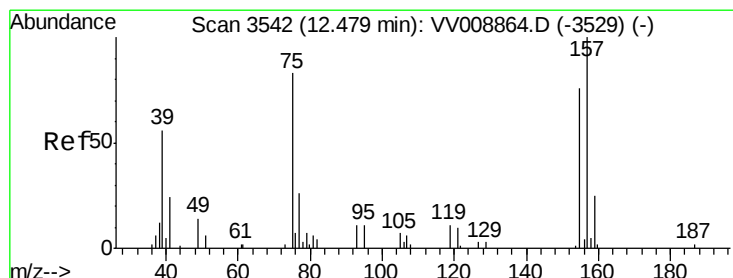
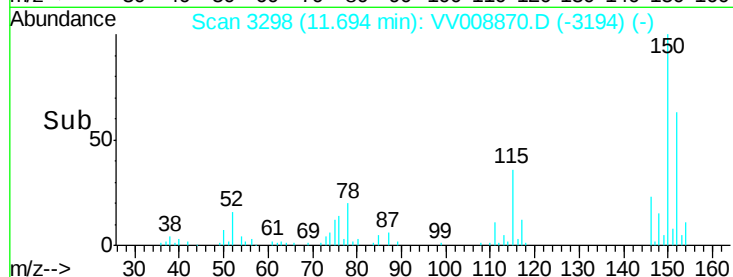
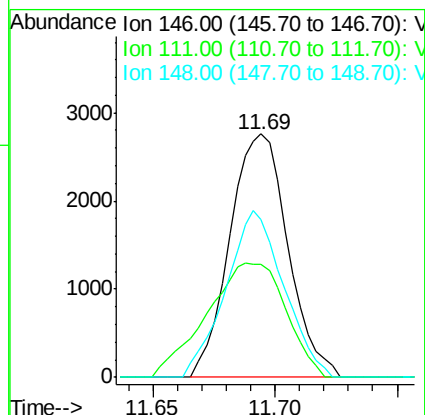
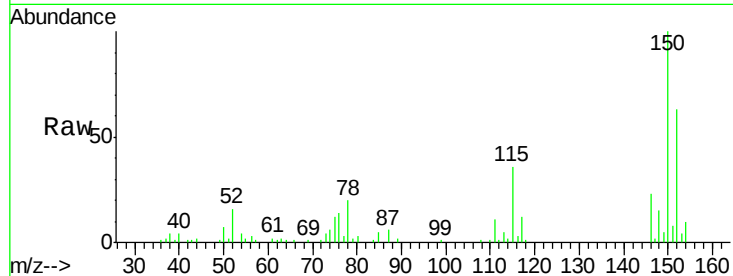
ClientSampled :

MDL05

Tgt Ion:	146	Resp:	4561
Ion Ratio	Lower	Upper	
146	100		
111	46.2	34.2	51.4
148	64.8	51.0	76.6

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.010 ug/L m

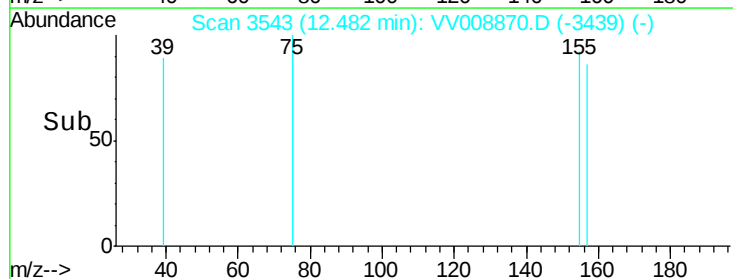
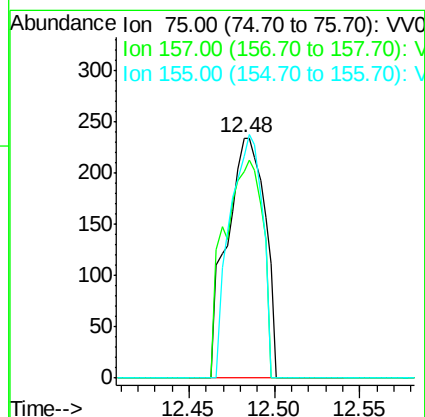
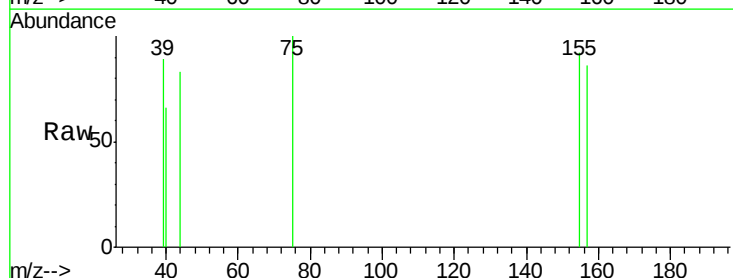
RT: 12.48 min Scan# 3543

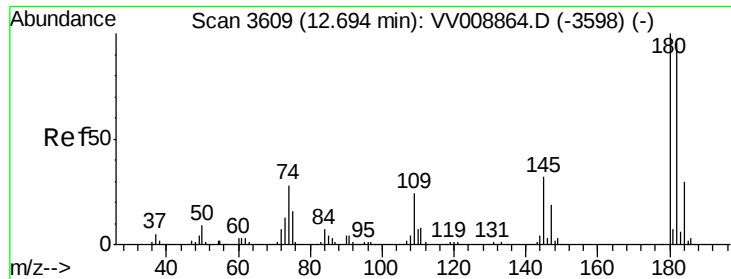
Delta R.T. 0.00 min

Lab File: VV008870.D

Acq: 06 Dec 2018 22:11

Tgt Ion:	75	Resp:	361
Ion Ratio	Lower	Upper	
75	100		
157	85.9	95.8	143.6#
155	92.3	71.4	107.2





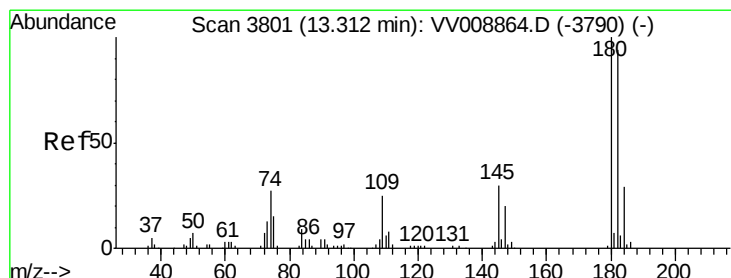
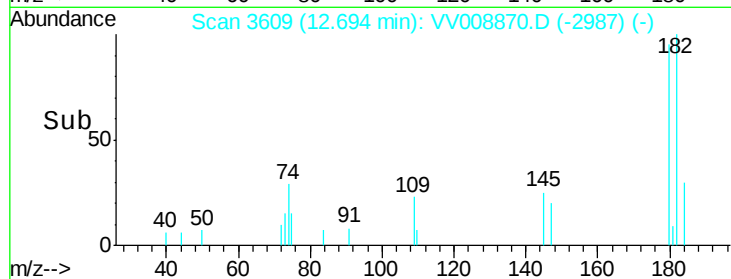
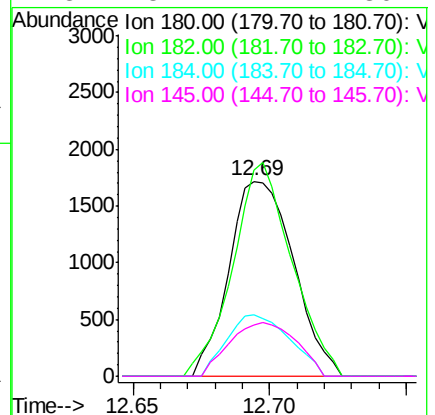
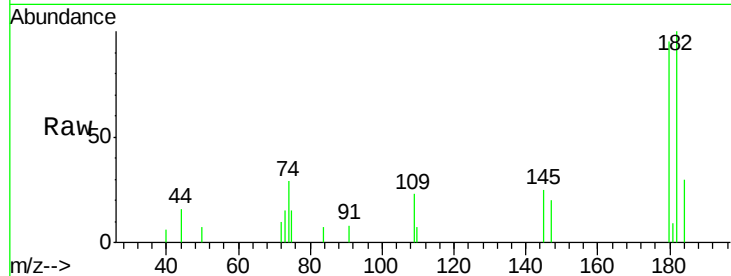
#67
 1,3,5-Trichlorobenzene
 Concen: 0.829 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	75.9	113.9
184	30.7	23.8	35.6
145	28.4	24.2	36.4

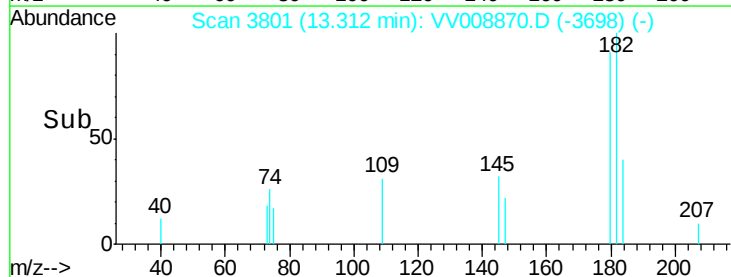
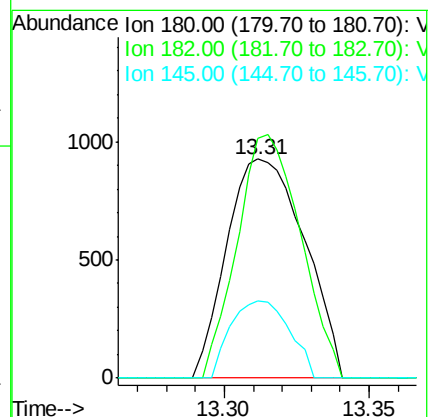
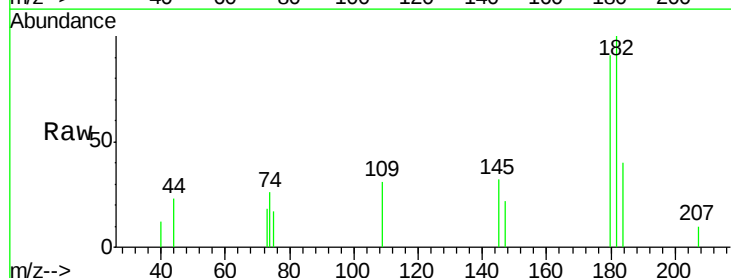
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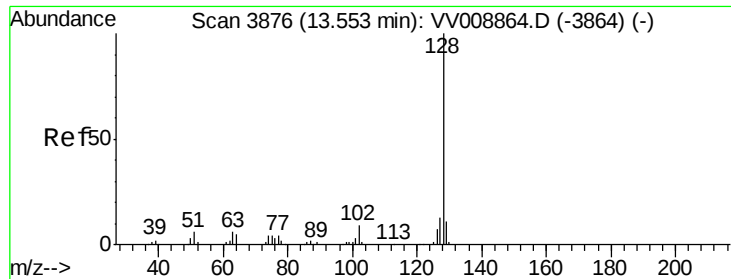
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#68
 1,2,4-trichlorobenzene
 Concen: 0.721 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008870.D
 Acq: 06 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.6	77.4	116.0
145	26.6	25.6	38.4





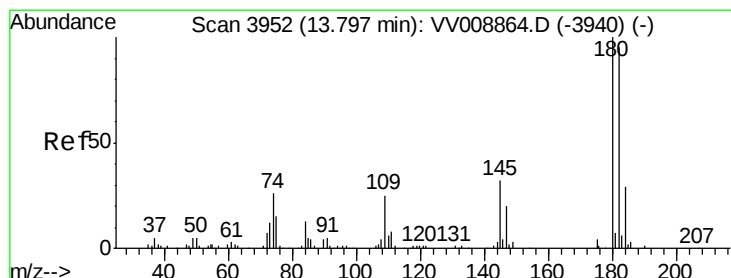
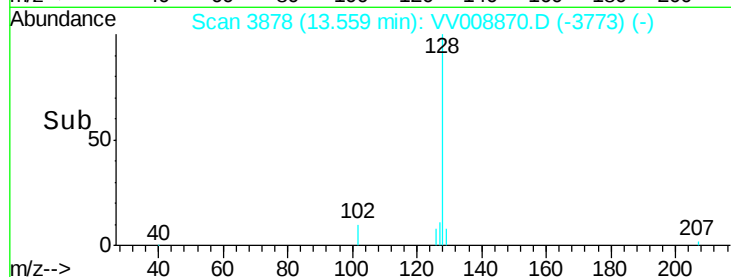
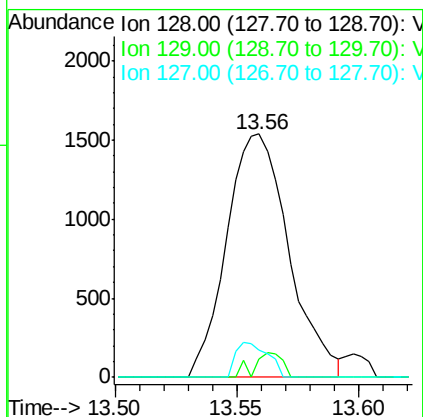
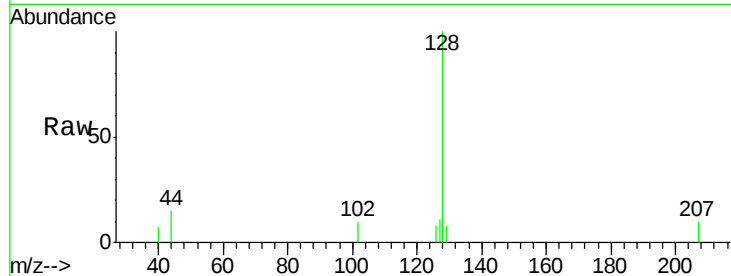
#69
Naphthalene
Concen: 0.660 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.01 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.7	8.6	13.0#
127	0.0	10.0	15.0#

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#70
1,2,3-Trichlorobenzene
Concen: 0.747 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV008870.D
Acq: 06 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	76.1	114.1
145	25.8	26.7	40.1#

