

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008871.D
 Acq On : 06 Dec 2018 22:36
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:37 PM

Quant Time: Dec 07 15:56:54 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	195308	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	170287	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71186	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53878	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.64%
7) Chloroethane-d5	1.58	69	40656	27.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.92%
10) 1,1-Dichloroethene-d2	2.13	63	101810	20.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.60%
20) 2-Butanone-d5	3.94	46	42573	57.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.72%
24) Chloroform-d	4.40	84	117693	25.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.28%
26) 1,2-Dichloroethane-d4	5.08	65	69627	27.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.68%
29) Benzene-d6	5.10	84	248516	26.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.52%
33) 1,2-Dichloropropane-d6	6.12	67	70711	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.24%
37) Toluene-d8	7.36	98	220264	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.12%
38) trans-1,3-Dichloropropene-	7.67	79	29623	25.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.28%
39) 2-Hexanone-d5	8.14	63	26478	54.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	58110	26.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.08%
61) 1,2-Dichlorobenzene-d4	11.68	152	69572	26.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4178	1.305 ug/L	99
3) Chloromethane	1.25	50	2852	1.296 ug/L	99
5) Vinyl chloride	1.32	62	2855	1.162 ug/L #	54
6) Bromomethane	1.53	94	1643	1.391 ug/L	96
8) Chloroethane	1.60	64	1942	1.412 ug/L	99
9) Trichlorofluoromethane	1.77	101	5987	1.423 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4697	1.628 ug/L #	77
12) 1,1-Dichloroethene	2.14	96	3955	1.571 ug/L #	1
13) Acetone	2.19	43	3516	3.243 ug/L	87
14) Carbon disulfide	2.32	76	9291	1.149 ug/L	97
15) Methyl Acetate	2.46	43	1731	1.259 ug/L	93
16) Methylene chloride	2.53	84	9222	2.804 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	6949	1.215 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	3068	1.128 ug/L	87
19) 1,1-Dichloroethane	3.23	63	5700	1.292 ug/L	93
21) 2-Butanone	4.03	43	1700m	1.673 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3514m	1.239 ug/L	

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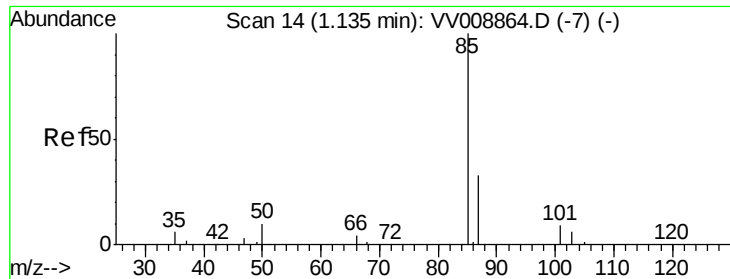
sam
 12/11/2018 4:25:37 PM

Quant Time: Dec 07 15:56:54 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	4.30	128	1512m	1.131	ug/L	
25) Chloroform	4.43	83	7590	1.604	ug/L	76
27) 1,2-Dichloroethane	5.18	62	4018	1.246	ug/L	98
30) Cyclohexane	4.73	56	4874	1.137	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	4900	1.116	ug/L #	52
32) Carbon tetrachloride	4.88	117	4611	1.150	ug/L	95
34) Benzene	5.15	78	11090	1.087	ug/L	100
35) Trichloroethene	5.96	95	3707	1.205	ug/L	99
36) Methylcyclohexane	6.18	83	5683	1.158	ug/L	99
40) 1,2-Dichloropropane	6.23	63	3055	1.248	ug/L #	85
41) Bromodichloromethane	6.56	83	3662	1.135	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	3840	1.071	ug/L	89
43) 4-Methyl-2-pentanone	7.28	43	5110	3.088	ug/L #	92
44) Toluene	7.43	91	13375	1.250	ug/L	98
45) trans-1,3-Dichloropropene	7.70	75	4034m	1.291	ug/L	
46) 1,1,2-Trichloroethane	7.88	97	2282	1.119	ug/L	89
47) Tetrachloroethene	8.02	164	2874	1.149	ug/L	93
49) 2-Hexanone	8.19	43	5303	3.873	ug/L #	83
50) Dibromochloromethane	8.29	129	2464	1.054	ug/L	95
51) 1,2-Dibromoethane	8.40	107	2194	1.071	ug/L #	89
52) Chlorobenzene	8.93	112	8410	1.207	ug/L	95
53) Ethylbenzene	9.06	91	13778	1.187	ug/L	97
54) m,p-Xylene	9.18	106	4610	1.049	ug/L	99
55) o-xylene	9.59	106	4311	1.056	ug/L	93
56) Styrene	9.61	104	6291	0.955	ug/L	93
57) Isopropylbenzene	9.98	105	12219	1.101	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	2877	1.304	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	2271	1.190	ug/L	99
62) Bromoform	9.78	173	1605	1.249	ug/L #	86
63) 1,3-Dichlorobenzene	11.23	146	5424	1.182	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	5829	1.235	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	5528	1.307	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	360m	1.039	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	3759	1.135	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	1865	0.803	ug/L	85
69) Naphthalene	13.56	128	3041	0.761	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	2067	0.964	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.305 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 85 Resp: 4178

Ion Ratio Lower Upper

85 100

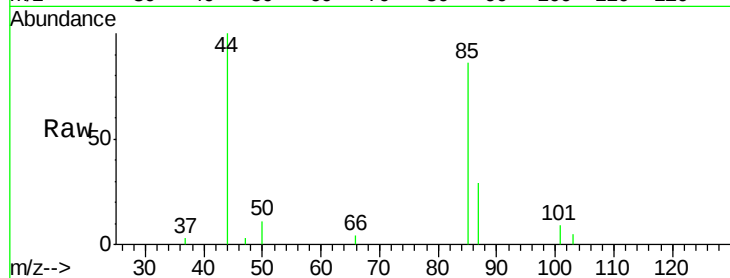
87 32.8 22.4 41.6

Manual Integrations

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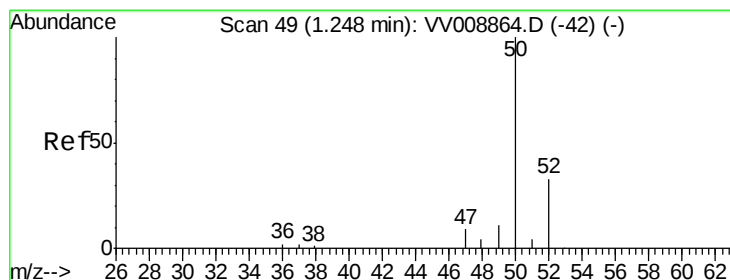
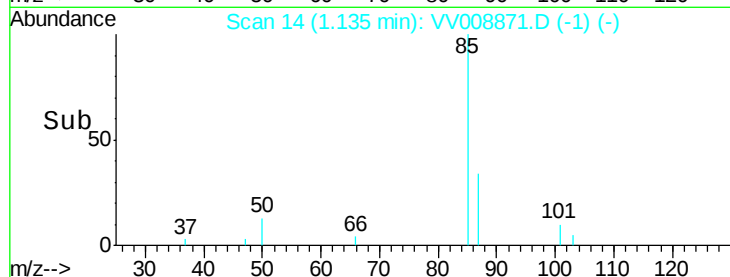
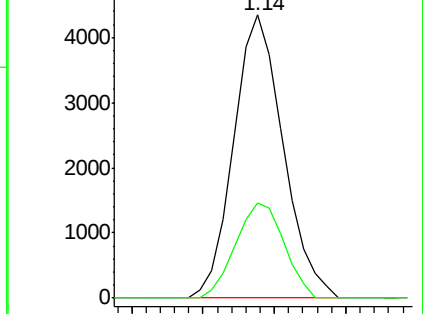
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Abundance Ion 85.00 (84.70 to 85.70): VV008864.D (-7) (-)

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



#3

Chloromethane

Concen: 1.296 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008871.D

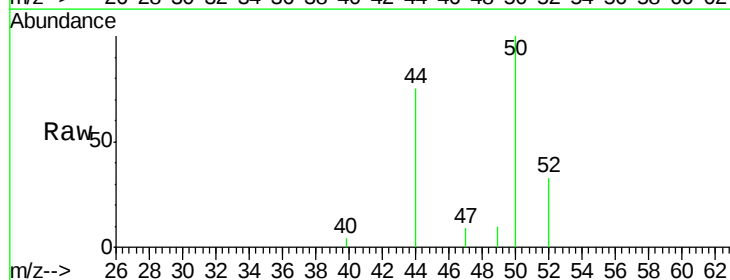
Acq: 06 Dec 2018 22:36

Tgt Ion: 50 Resp: 2852

Ion Ratio Lower Upper

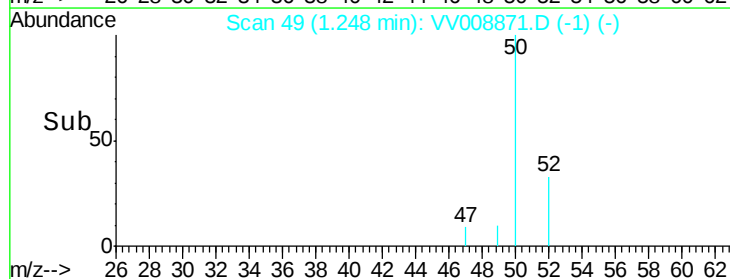
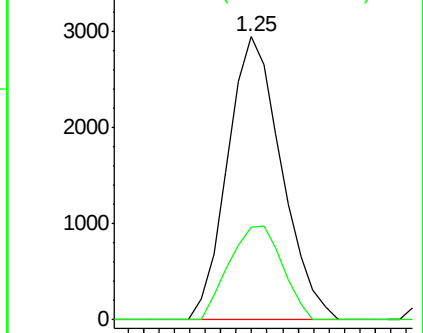
50 100

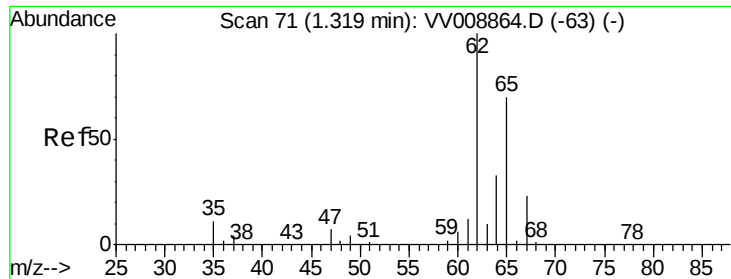
52 32.5 23.2 43.2



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: 1.162 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tgt Ion: 62 Resp: 2855

Ion Ratio Lower Upper

62 100

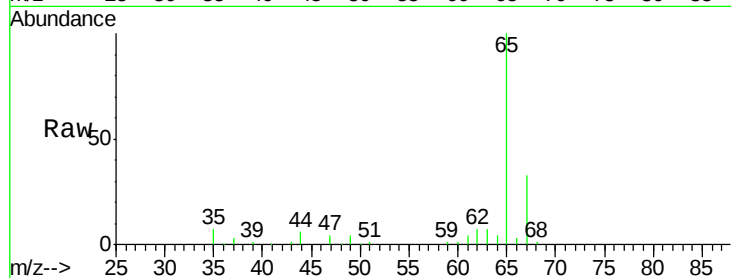
64 59.5 23.3 43.3#

Manual Integrations

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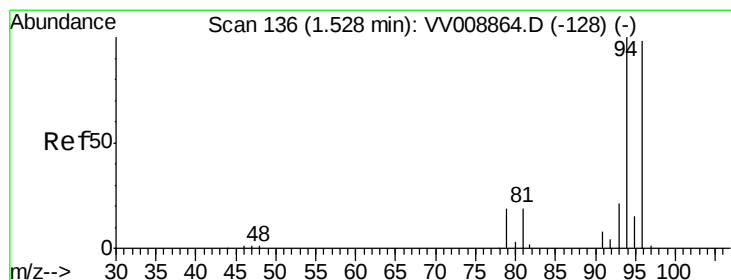
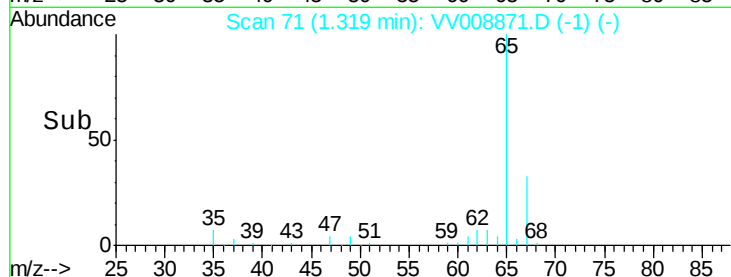
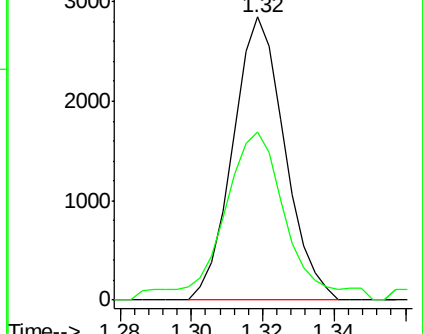
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 1.391 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008871.D

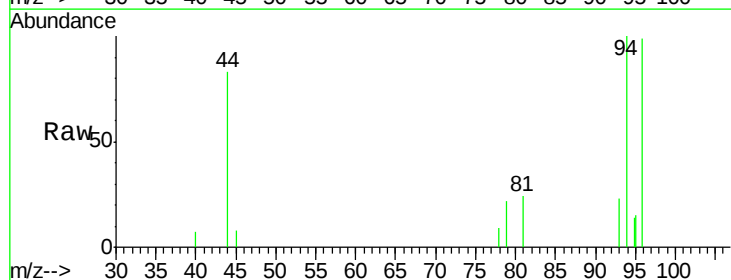
Acq: 06 Dec 2018 22:36

Tgt Ion: 94 Resp: 1643

Ion Ratio Lower Upper

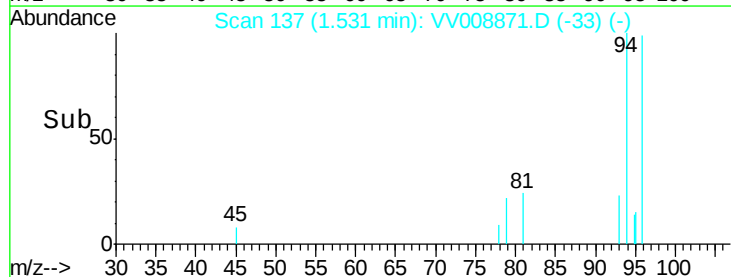
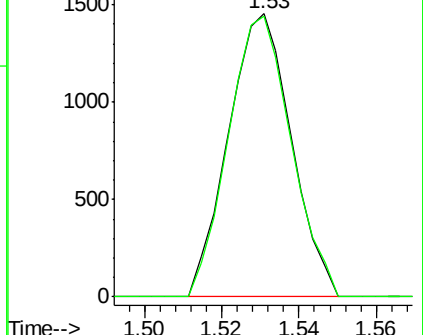
94 100

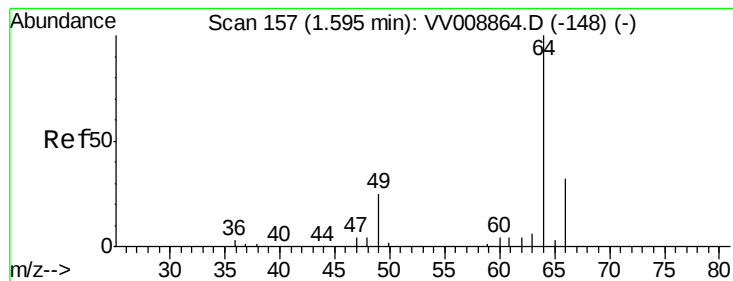
96 98.7 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.412 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 64 Resp: 1942

Ion Ratio Lower Upper

64 100

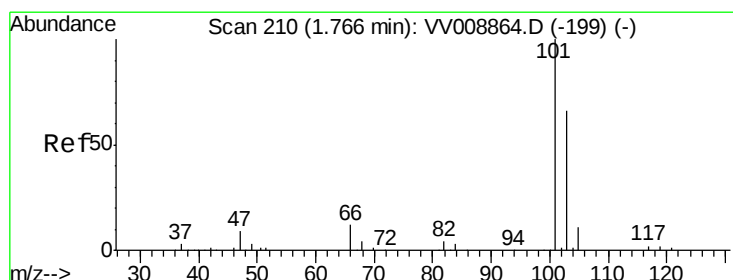
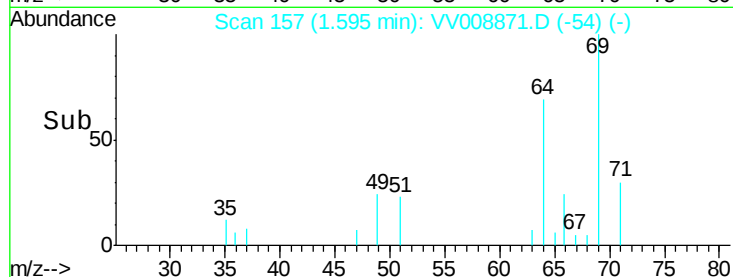
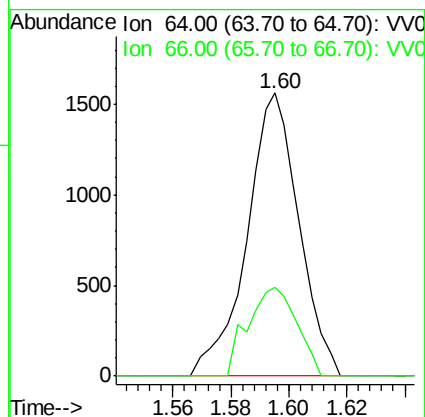
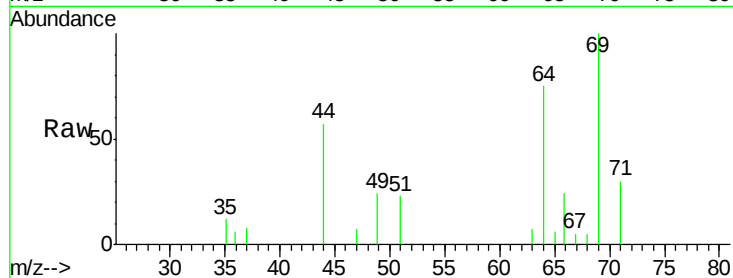
66 31.3 22.2 41.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.423 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV008871.D

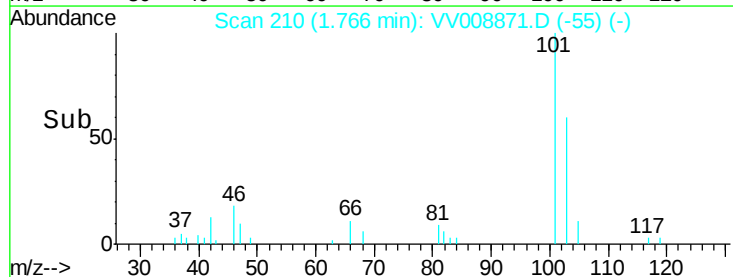
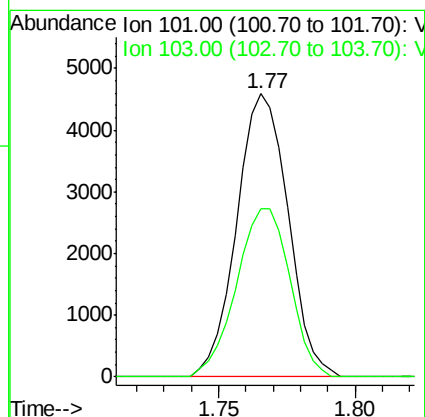
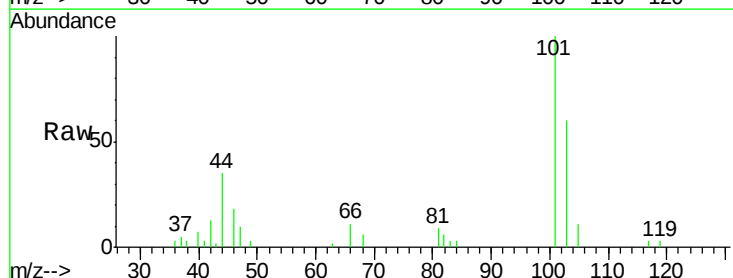
Acq: 06 Dec 2018 22:36

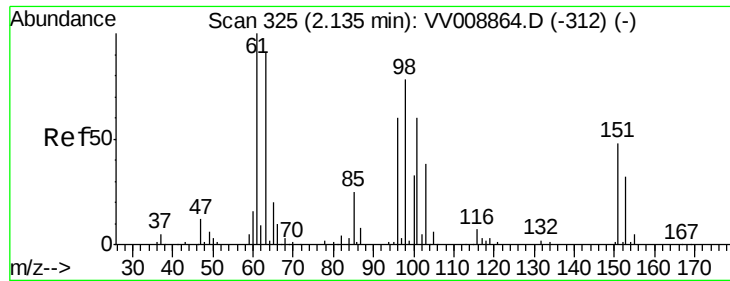
Tgt Ion: 101 Resp: 5987

Ion Ratio Lower Upper

101 100

103 61.9 44.8 83.2





#11

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

Concen: 1.628 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

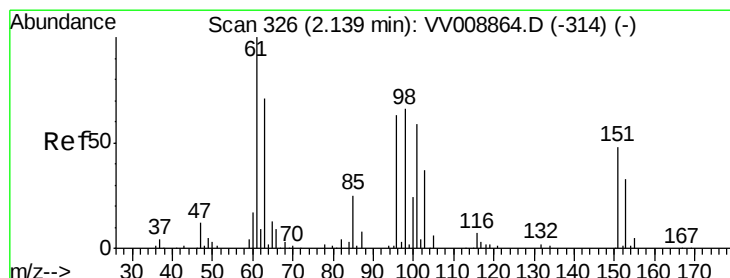
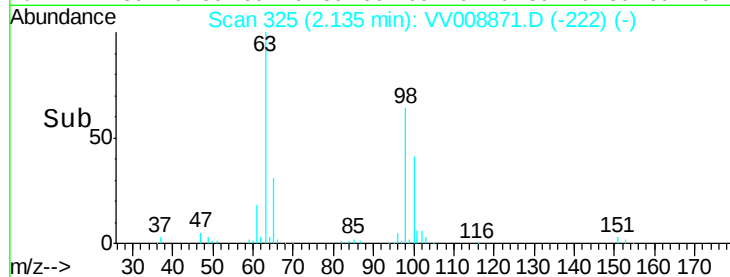
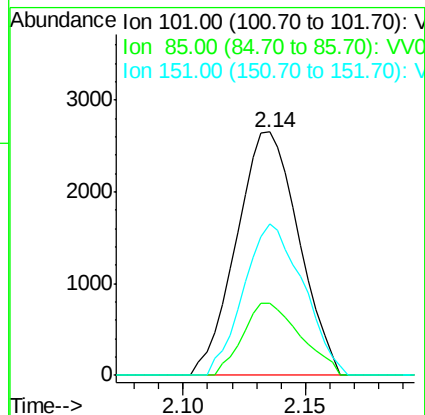
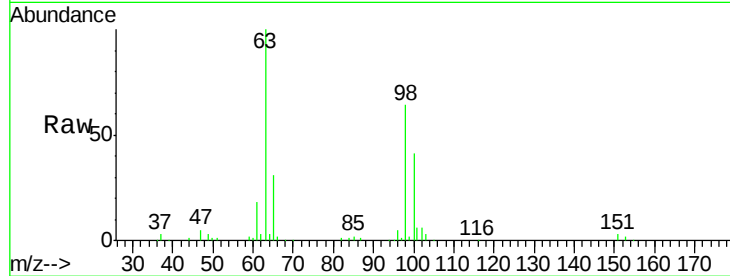
ClientSampleId :

MDL06

Tgt Ion:	101	Resp:	4697
Ion Ratio	Lower	Upper	
101	100		
85	27.3	32.5	48.7#
151	59.5	64.2	96.4#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.571 ug/L

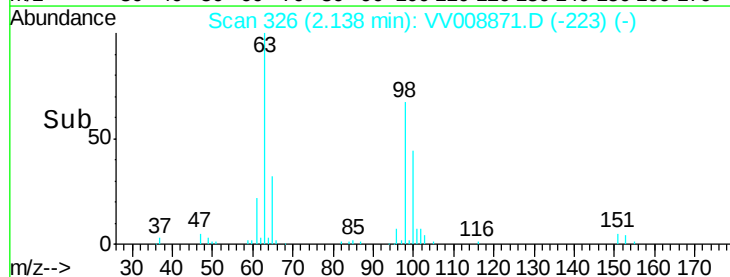
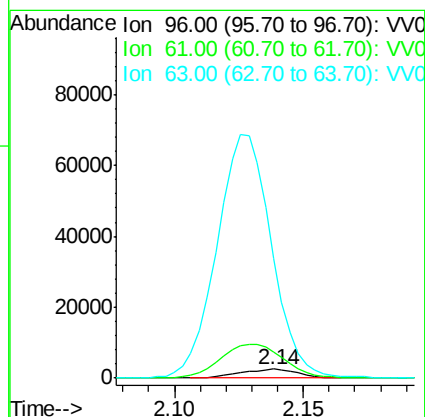
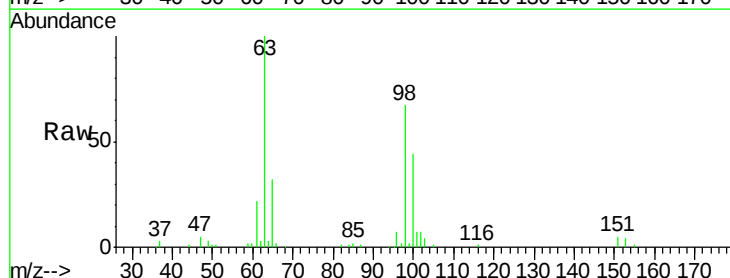
RT: 2.14 min Scan# 326

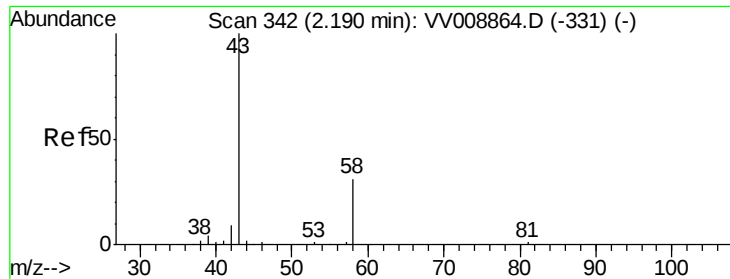
Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Tgt Ion:	96	Resp:	3955
Ion Ratio	Lower	Upper	
96	100		
61	296.5	114.0	211.6#
63	1344.0	82.4	153.0#





#13

Acetone

Concen: 3.243 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tgt Ion: 43 Resp: 3516

Ion Ratio Lower Upper

43 100

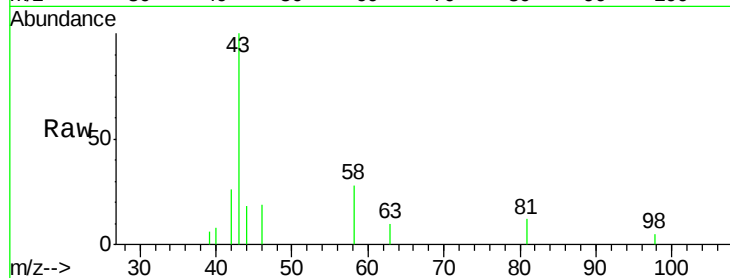
58 25.5 0.0 65.4

Manual Integrations

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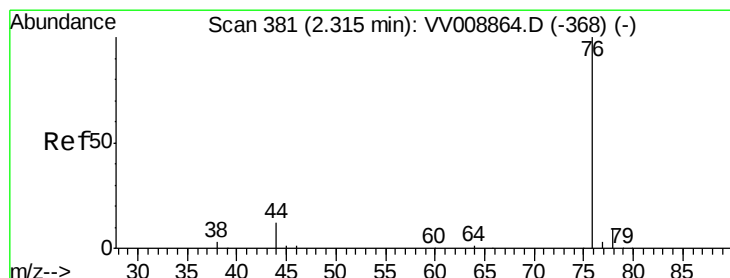
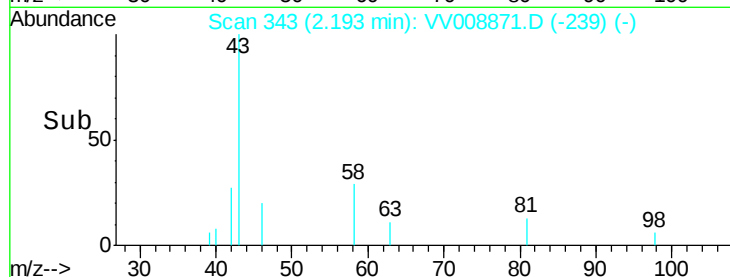
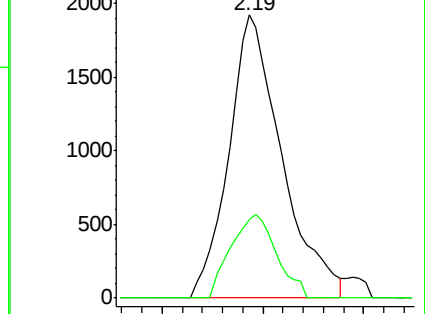
sam

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Abundance Ion 43.00 (42.70 to 43.70): VV008871.D (-239) (-)

Ion 58.00 (57.70 to 58.70): VV008871.D (-239) (-)



#14

Carbon disulfide

Concen: 1.149 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV008871.D

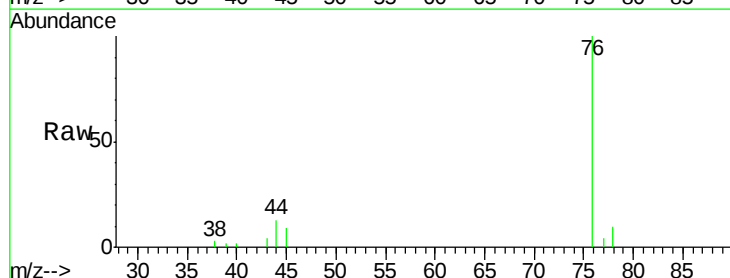
Acq: 06 Dec 2018 22:36

Tgt Ion: 76 Resp: 9291

Ion Ratio Lower Upper

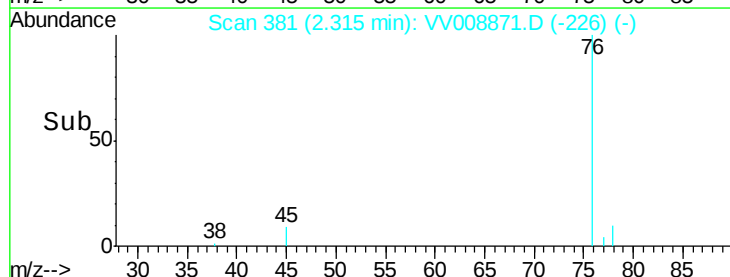
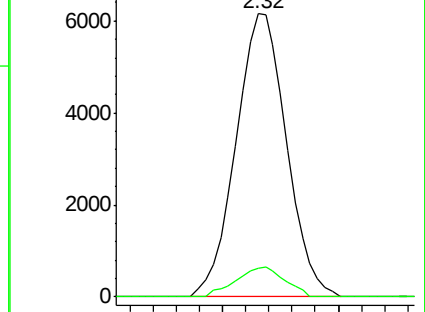
76 100

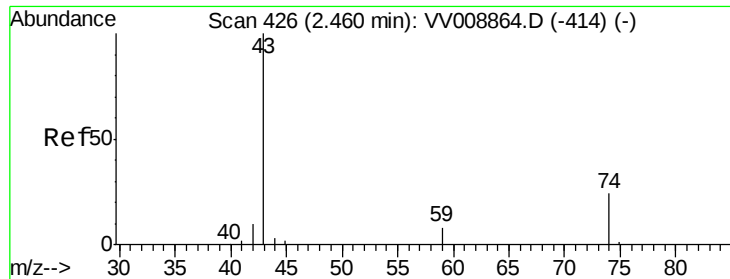
78 10.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008871.D (-226) (-)

Ion 78.00 (77.70 to 78.70): VV008871.D (-226) (-)





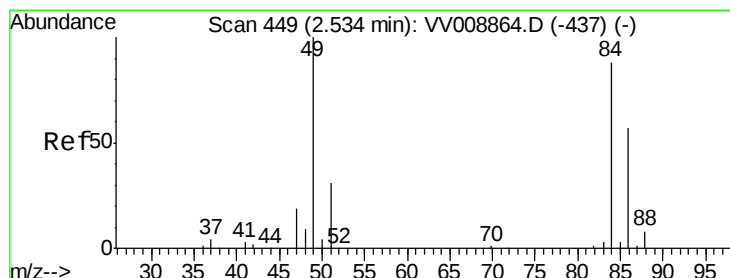
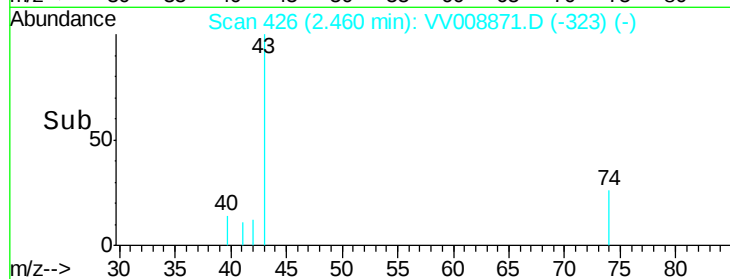
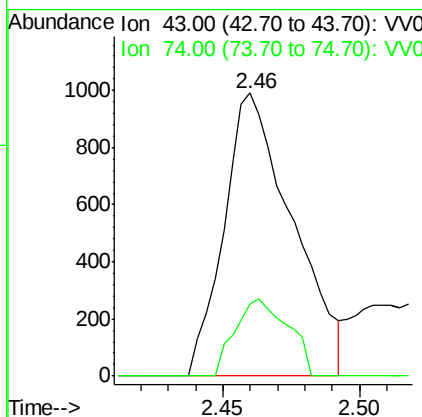
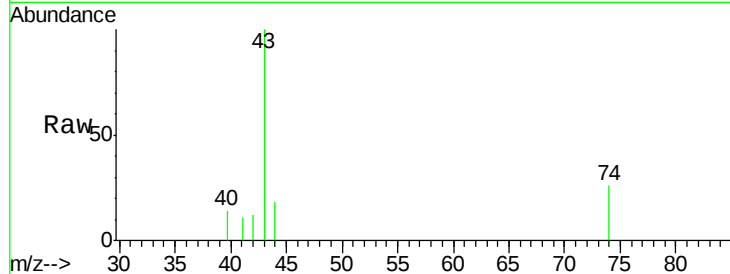
#15
Methyl Acetate
Concen: 1.259 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
74 21.1 19.7 29.5

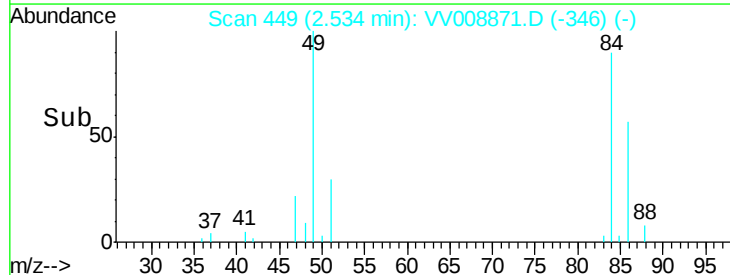
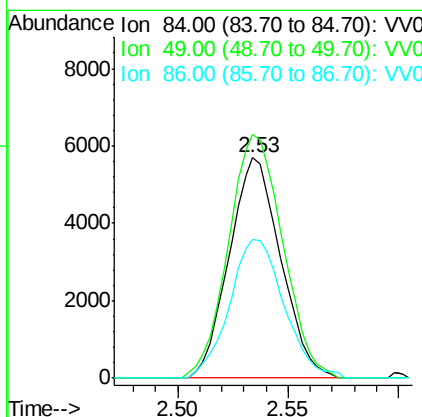
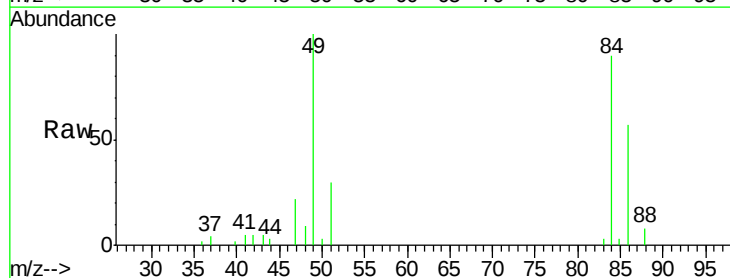
Manual Integrations
APPROVED

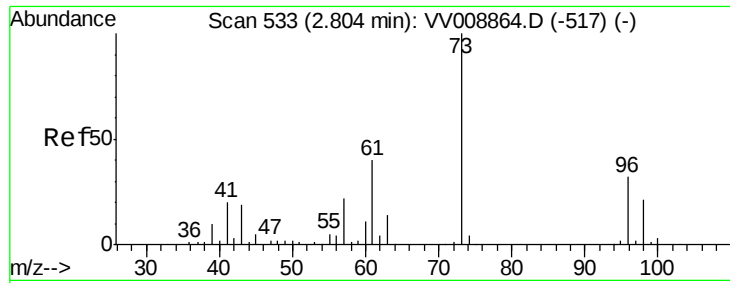
sam
12/11/2018 4:25:37 PM



#16
Methylene chloride
Concen: 2.804 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion: 84 Resp: 9222
Ion Ratio Lower Upper
84 100
49 110.7 80.5 149.5
86 63.1 45.5 84.5





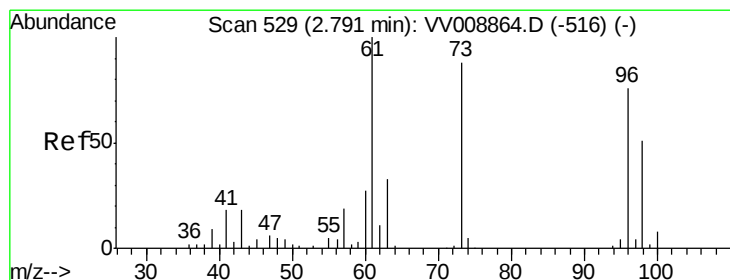
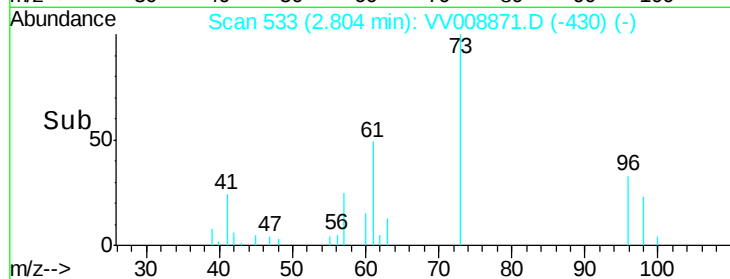
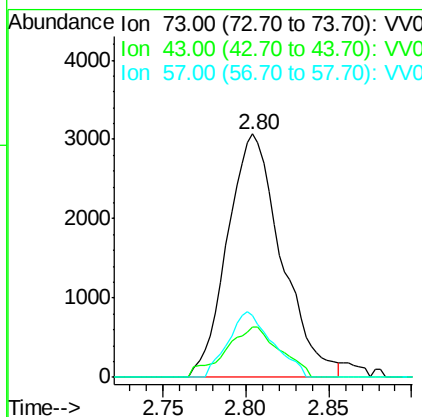
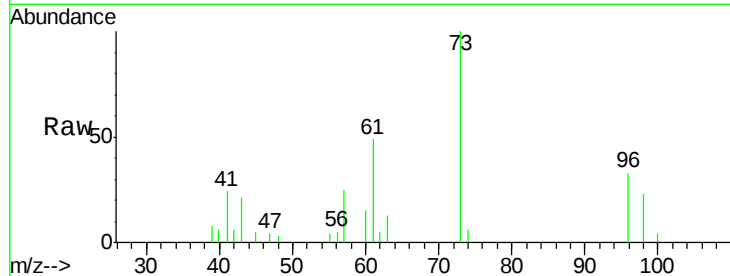
#17
Methyl tert-butyl Ether
Concen: 1.215 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion:	73	Resp:	6949
Ion	Ratio	Lower	Upper
73	100		
43	19.3	14.9	22.3
57	22.2	16.0	24.0

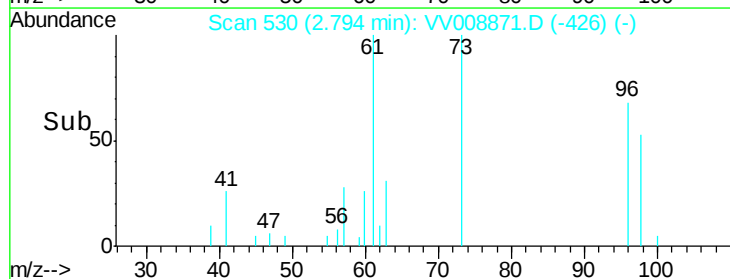
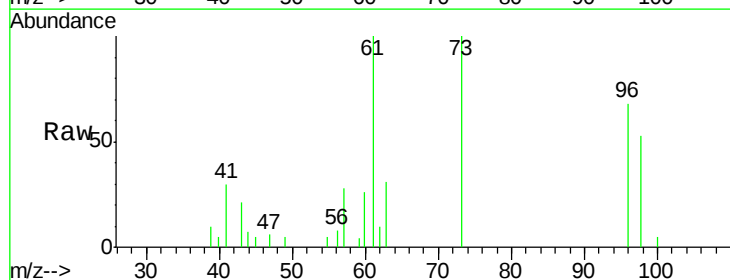
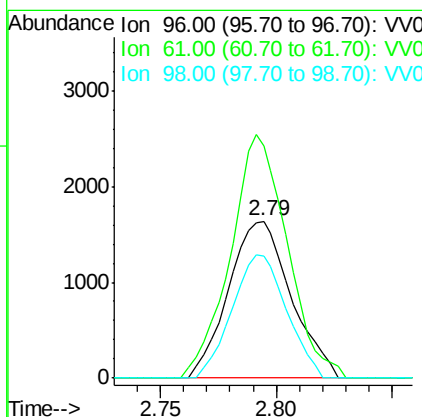
Manual Integrations
APPROVED

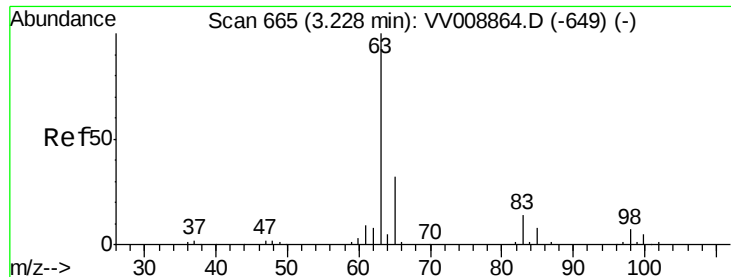
sam
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#18
trans-1,2-Dichloroethene
Concen: 1.128 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion:	96	Resp:	3068
Ion	Ratio	Lower	Upper
96	100		
61	148.0	94.6	175.8
98	77.8	45.3	84.1





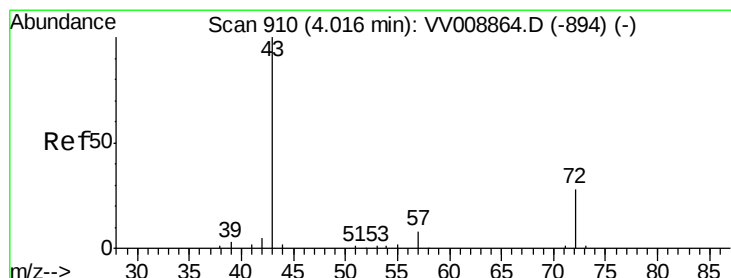
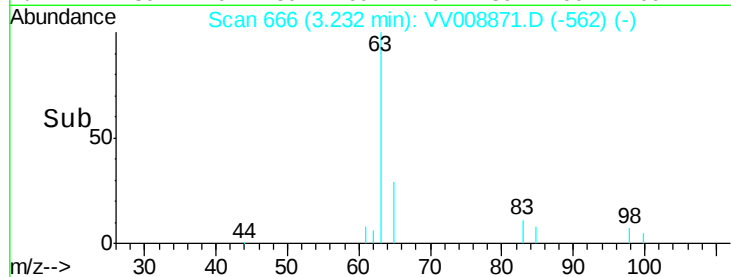
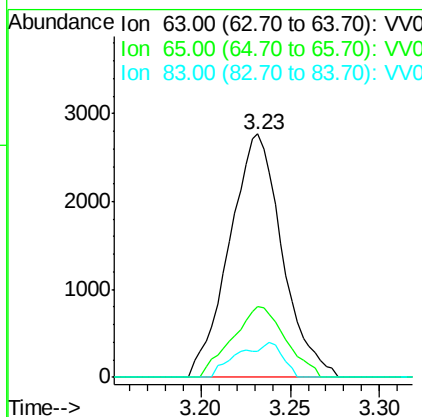
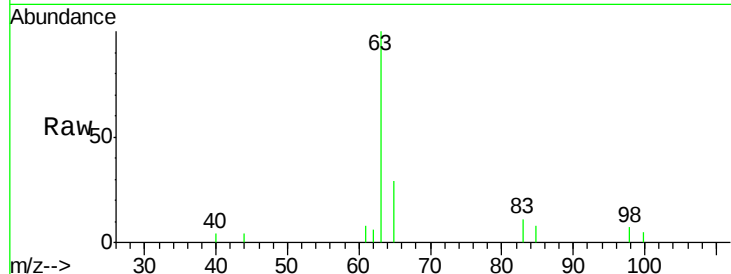
#19
 1,1-Dichloroethane
 Concen: 1.292 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:36

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.1	22.7	42.1
83	10.7	10.2	19.0

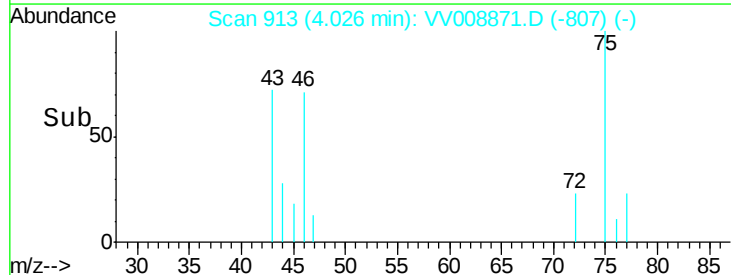
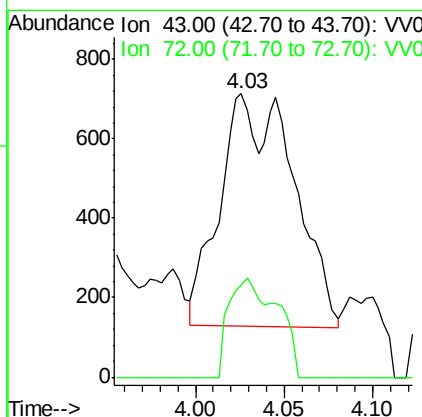
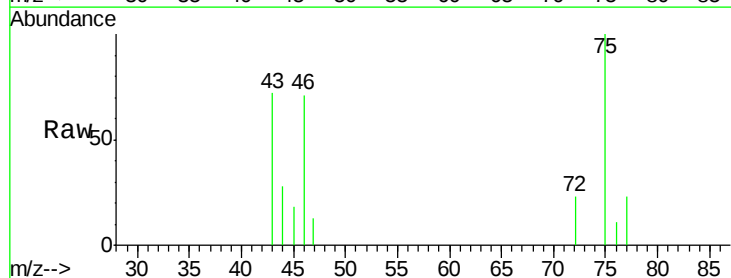
Manual Integrations
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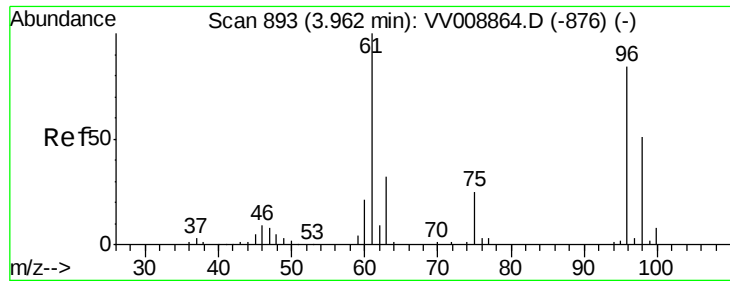
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#21
 2-Butanone
 Concen: 1.673 ug/L m
 RT: 4.03 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.8	13.7	41.1





#22

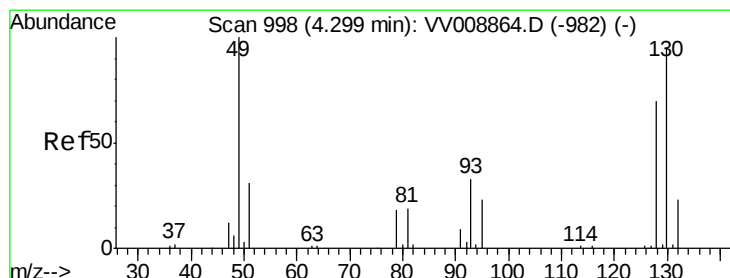
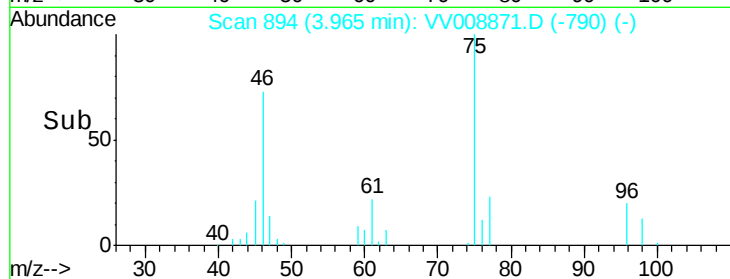
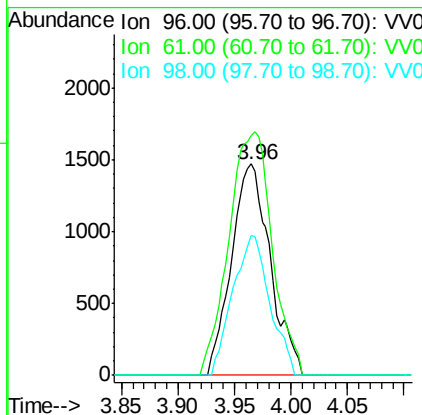
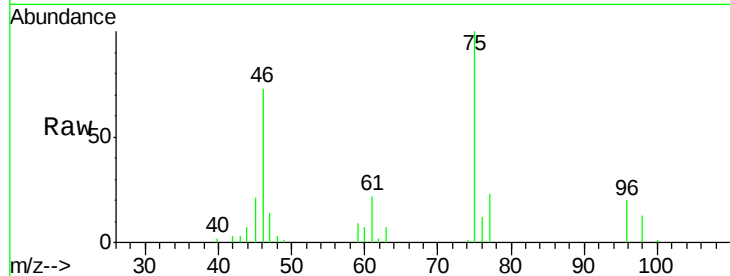
cis-1,2-Dichloroethene
Concen: 1.239 ug/L m
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.4	86.2	160.0
98	66.1	45.6	84.6

Manual Integrations
APPROVED

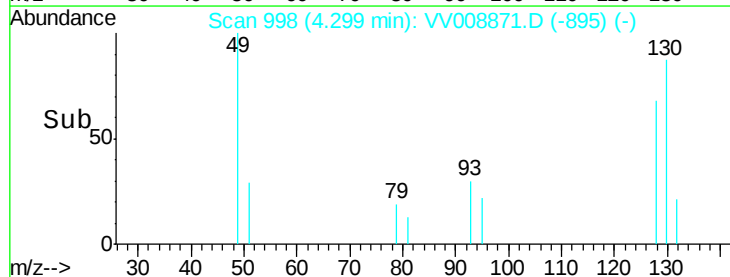
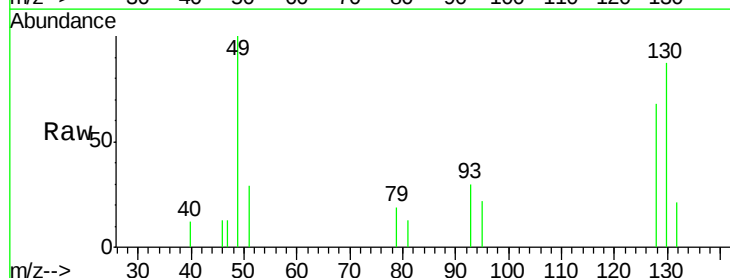
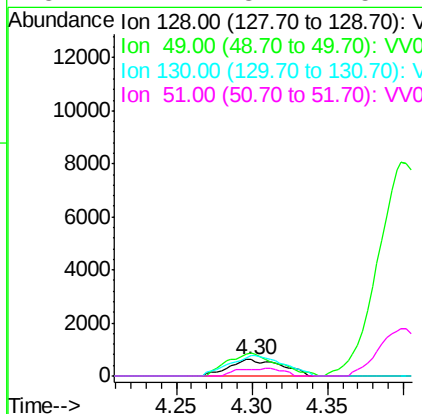
sam
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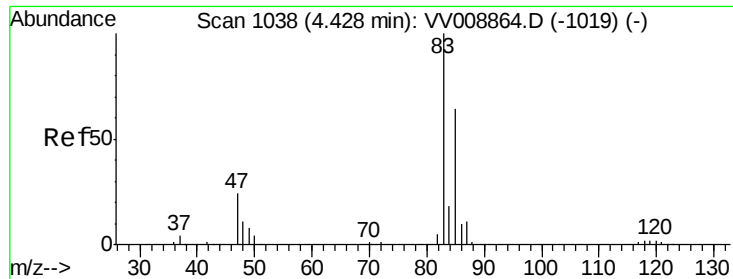


#23

Bromochloromethane
Concen: 1.131 ug/L m
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
128	100		
49	146.4	93.8	174.2
130	127.1	90.4	168.0
51	42.1	34.2	51.4





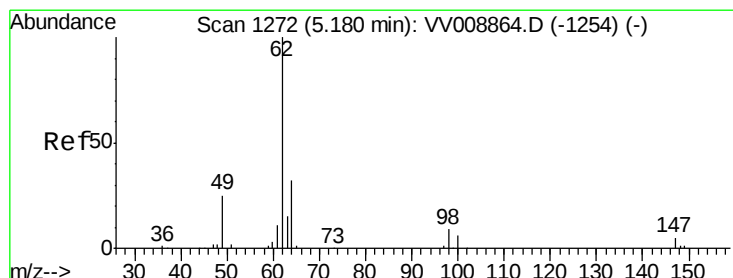
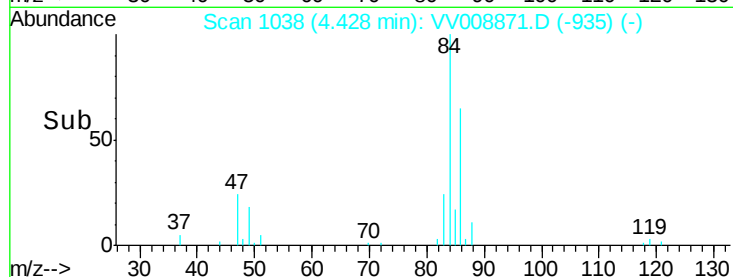
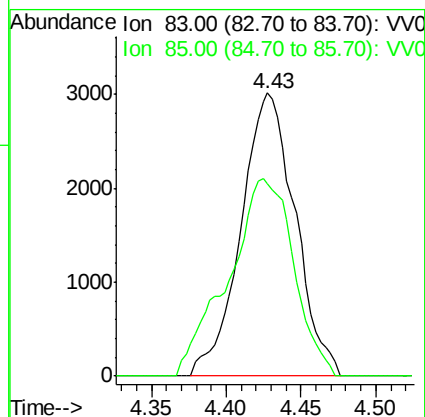
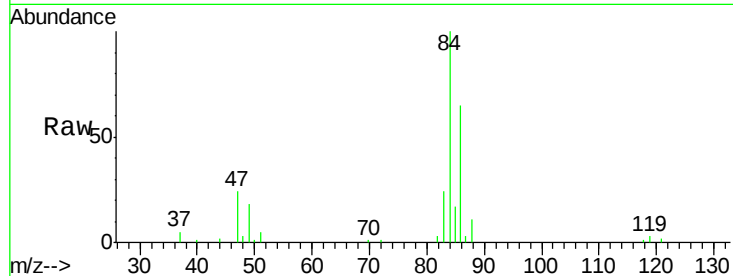
#25
Chloroform
Concen: 1.604 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion: 83 Resp: 7590
Ion Ratio Lower Upper
83 100
85 84.4 45.6 84.8

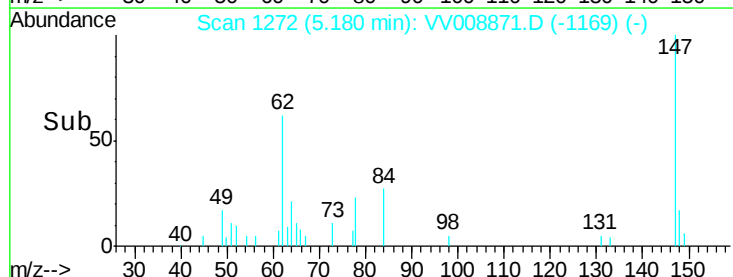
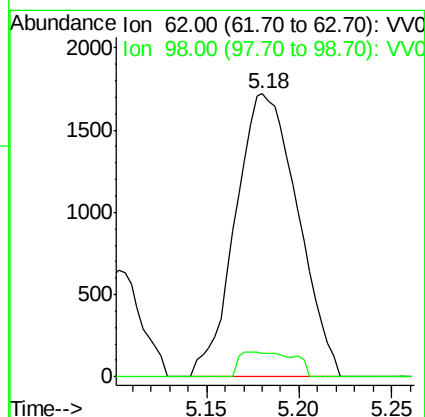
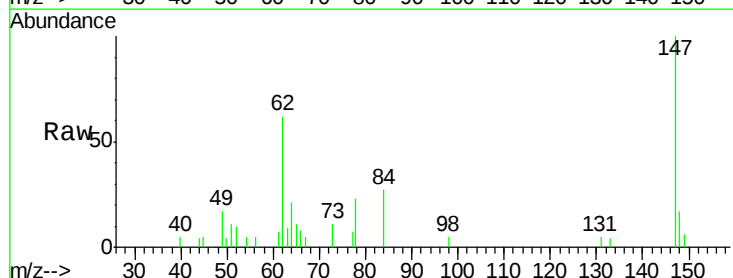
Manual Integrations
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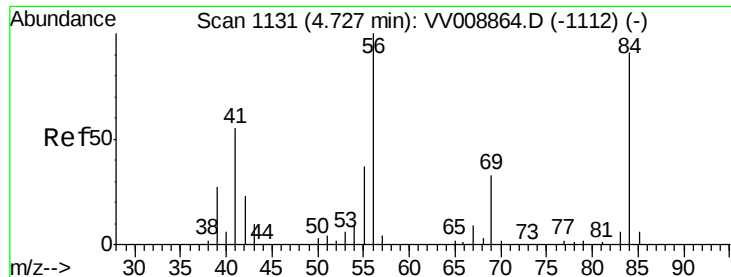
sam
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#27
1,2-Dichloroethane
Concen: 1.246 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion: 62 Resp: 4018
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.0





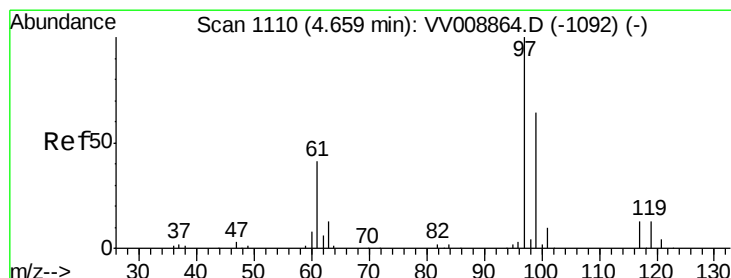
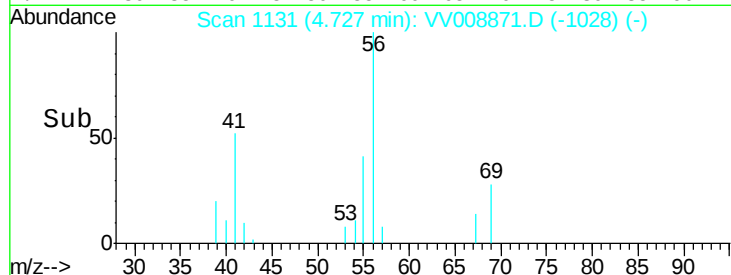
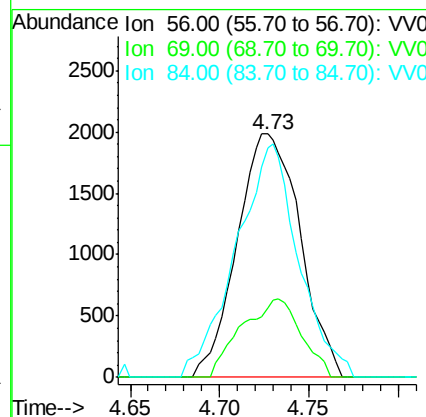
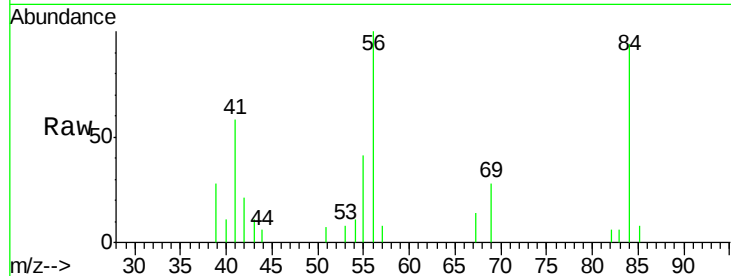
#30
Cyclohexane
Concen: 1.137 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion: 56 Resp: 4874
Ion Ratio Lower Upper
56 100
69 30.7 25.8 38.8
84 95.5 73.0 109.6

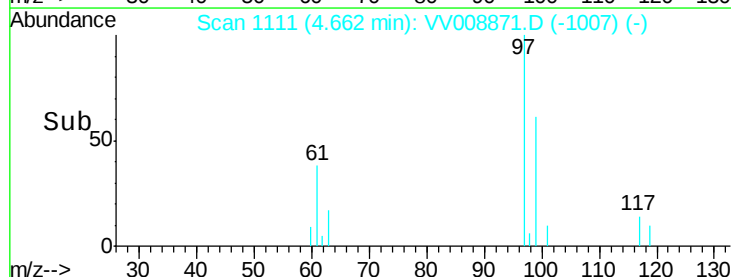
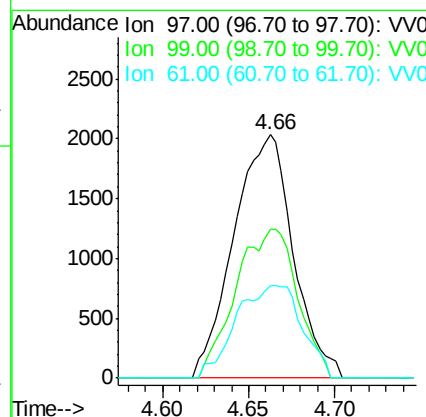
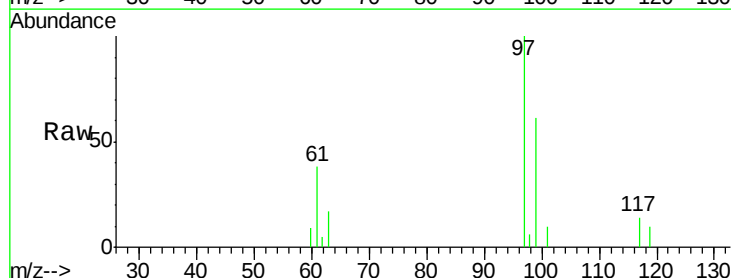
Manual Integrations
APPROVED

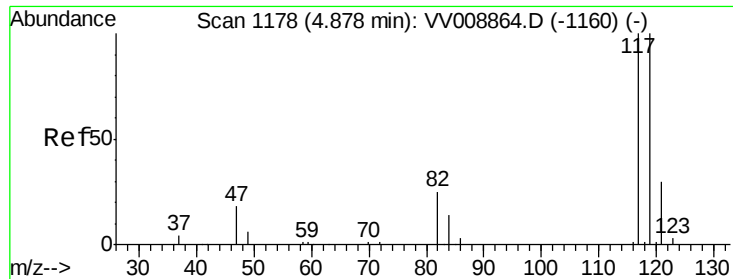
sam
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#31
1,1,1-Trichloroethane
Concen: 1.116 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion: 97 Resp: 4900
Ion Ratio Lower Upper
97 100
99 28.0 51.9 77.9#
61 10.1 33.1 49.7#





#32

Carbon tetrachloride

Concen: 1.150 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 117 Resp: 4611

Ion Ratio Lower Upper

117 100

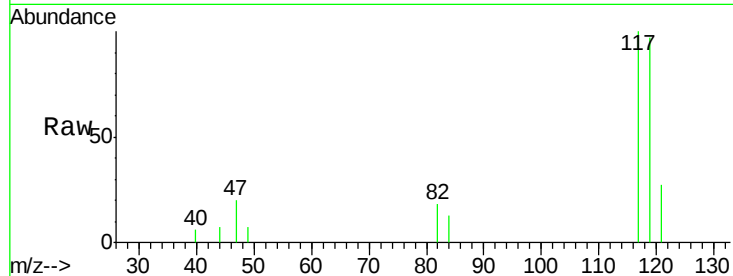
119 91.8 77.1 115.7

Manual Integrations

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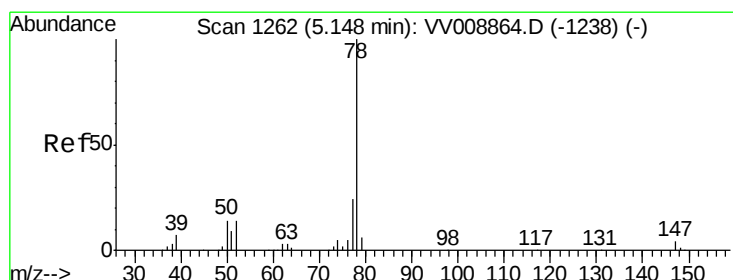
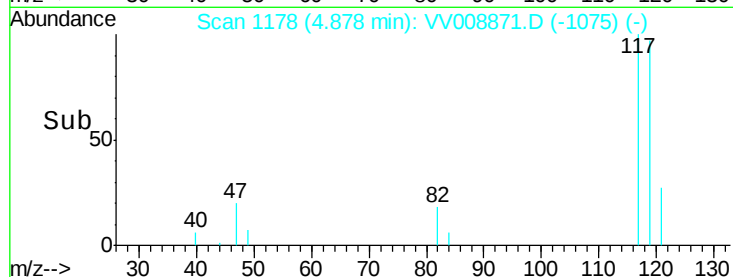
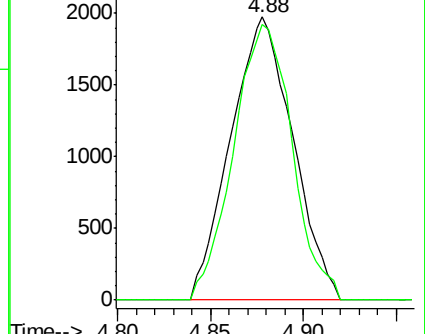
sam

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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: 1.087 ug/L

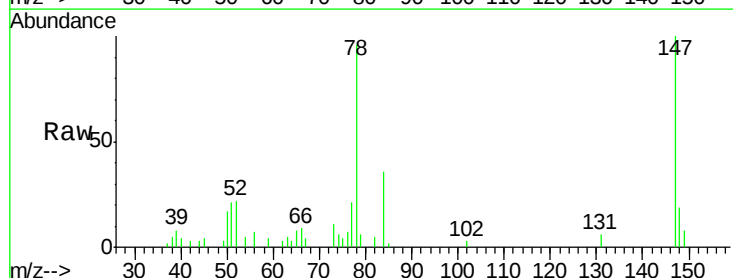
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

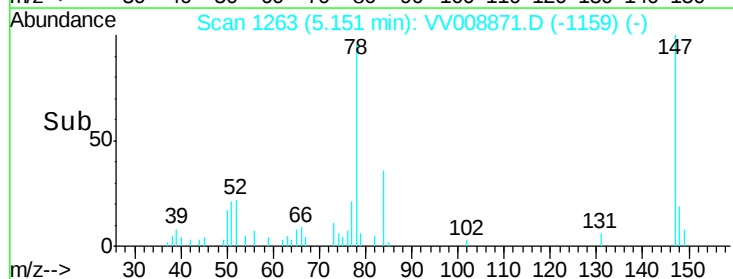
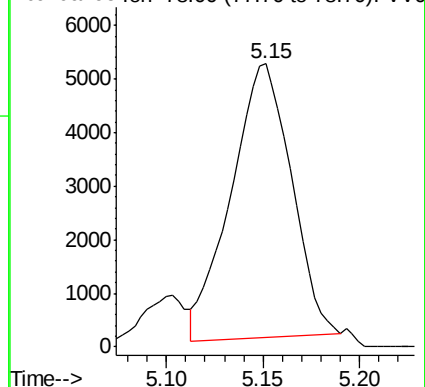
Lab File: VV008871.D

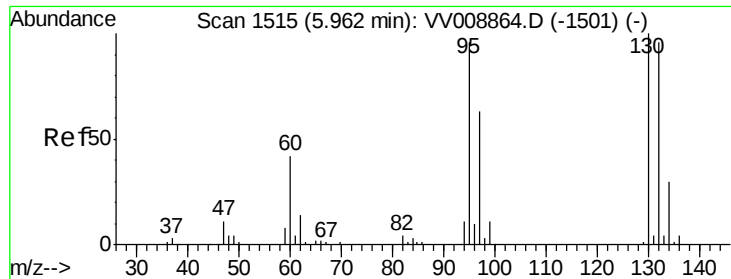
Acq: 06 Dec 2018 22:36

Tgt Ion: 78 Resp: 11090



Abundance Ion 78.00 (77.70 to 78.70): VV0





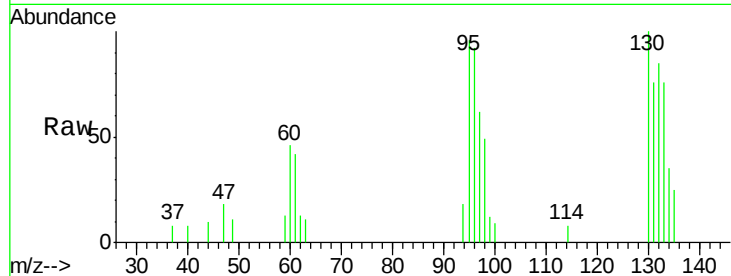
#35
 Trichloroethene
 Concen: 1.205 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:36

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

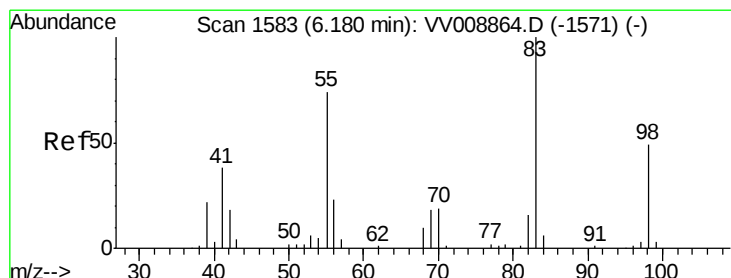
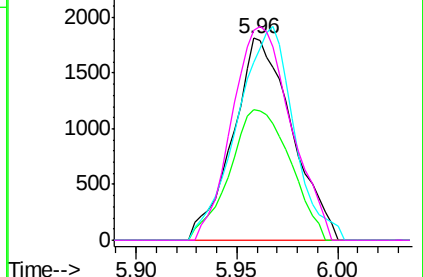
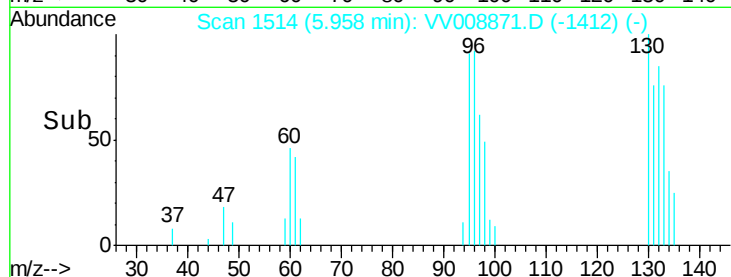
Tgt Ion:	95	Resp:	3707
Ion	Ratio	Lower	Upper
95	100		
97	66.4	45.3	84.1
132	101.6	70.0	130.0
130	105.6	73.4	136.4

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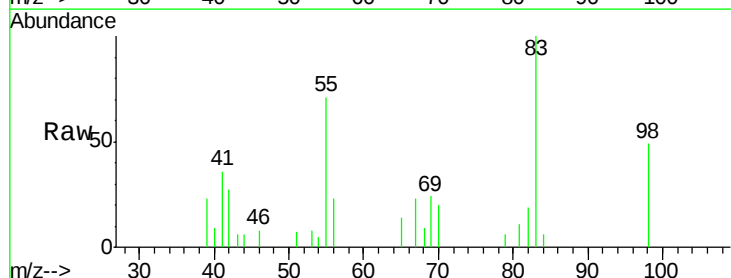


Abundance Ion 95.00 (94.70 to 95.70): VV008871.D (-1412) (-)
 Ion 97.00 (96.70 to 97.70): VV008871.D (-1412) (-)
 Ion 132.00 (131.70 to 132.70): VV008871.D (-1412) (-)
 Ion 130.00 (129.70 to 130.70): VV008871.D (-1412) (-)

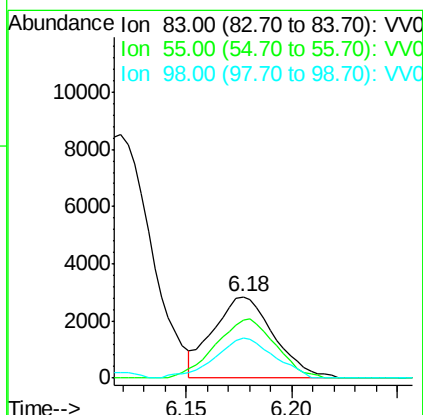
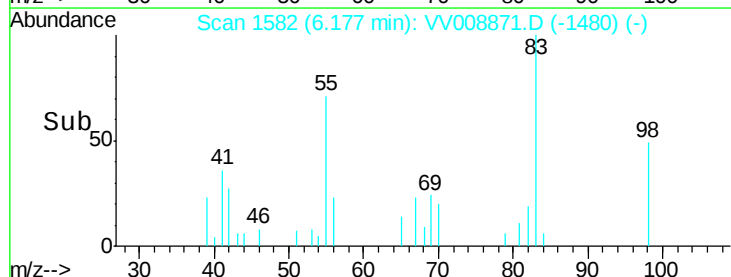


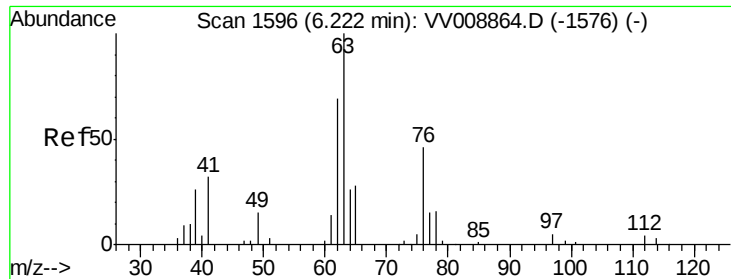
#36
 Methylcyclohexane
 Concen: 1.158 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:36

Tgt Ion:	83	Resp:	5683
Ion	Ratio	Lower	Upper
83	100		
55	71.8	58.2	87.2
98	48.0	37.8	56.8



Abundance Ion 83.00 (82.70 to 83.70): VV008871.D (-1480) (-)
 Ion 55.00 (54.70 to 55.70): VV008871.D (-1480) (-)
 Ion 98.00 (97.70 to 98.70): VV008871.D (-1480) (-)





#40

1,2-Dichloropropane

Concen: 1.248 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 63 Resp: 3055

Ion Ratio Lower Upper

63 100

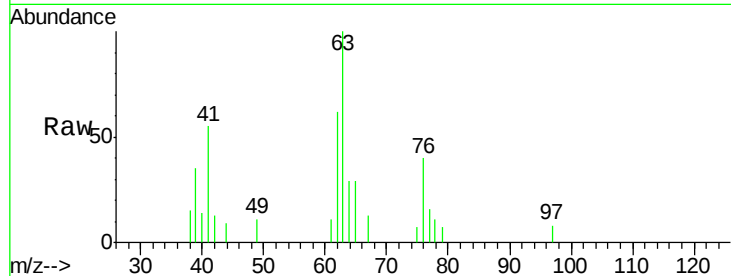
112 0.0 3.8 5.8#

Manual Integrations

APPROVED

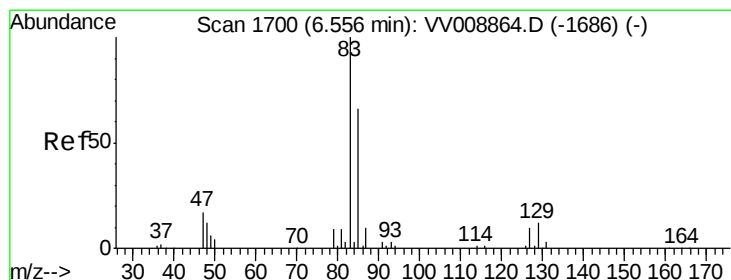
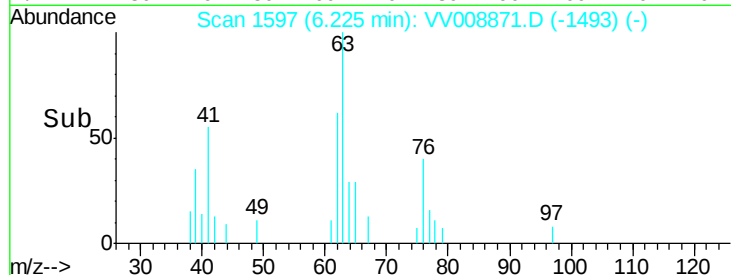
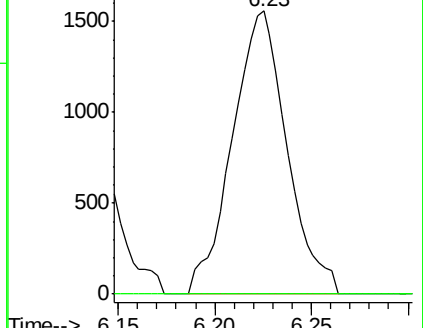
sam

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Abundance Ion 63.00 (62.70 to 63.70): VV008871.D (-1493) (-)

Ion 112.00 (111.70 to 112.70): VV008871.D (-1493) (-)



#41

Bromodichloromethane

Concen: 1.135 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

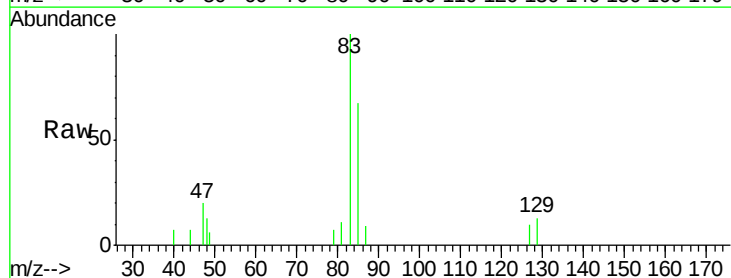
Tgt Ion: 83 Resp: 3662

Ion Ratio Lower Upper

83 100

85 66.5 45.3 84.1

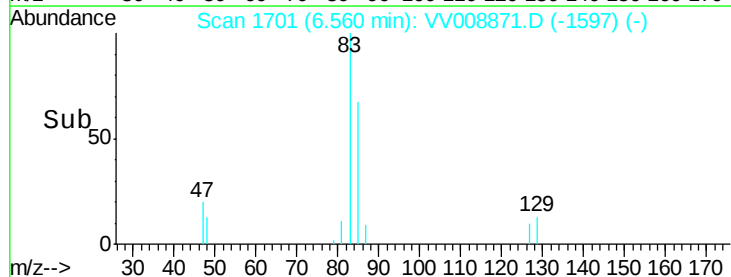
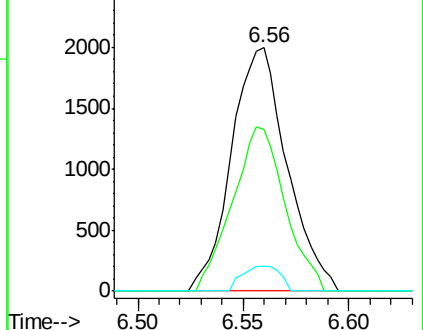
127 10.2 7.2 10.8

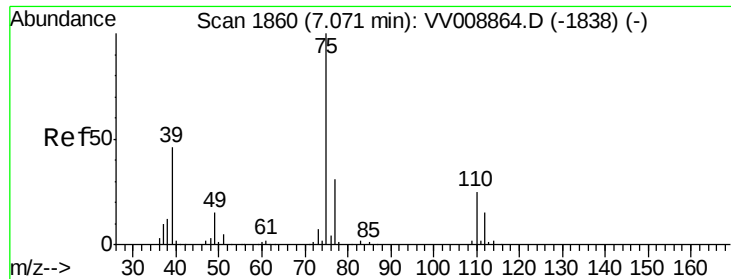


Abundance Ion 83.00 (82.70 to 83.70): VV008871.D (-1597) (-)

Ion 85.00 (84.70 to 85.70): VV008871.D (-1597) (-)

Ion 127.00 (126.70 to 127.70): VV008871.D (-1597) (-)





#42

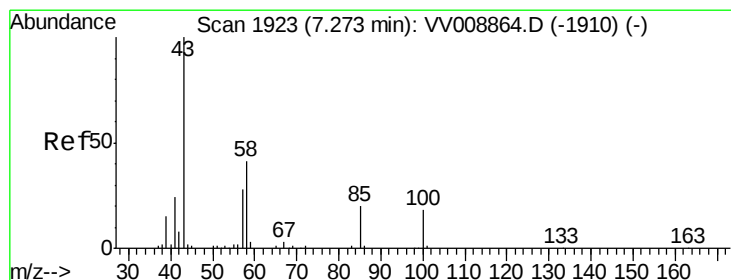
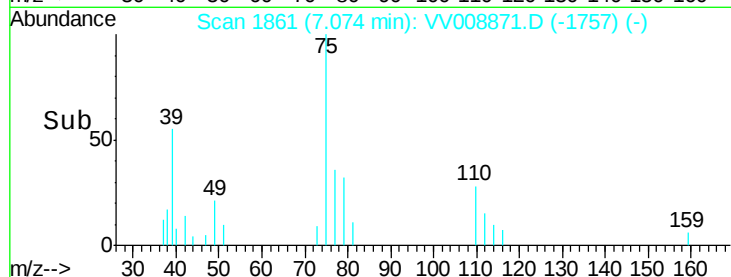
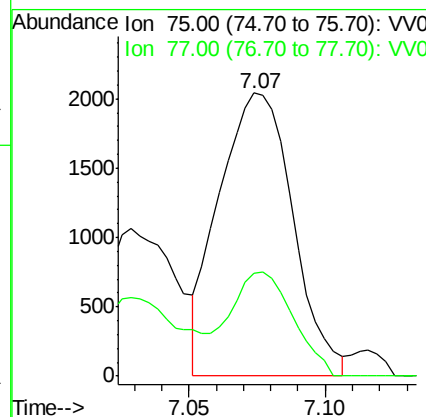
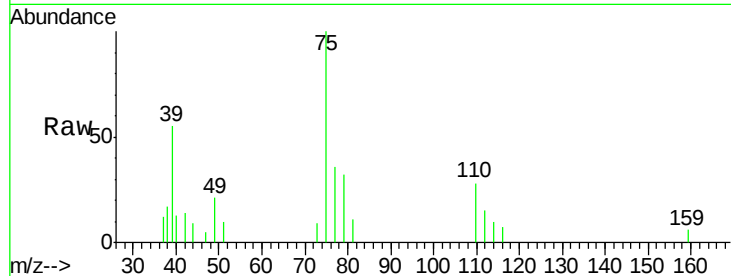
cis-1,3-Dichloropropene
Concen: 1.071 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion: 75 Resp: 3840
Ion Ratio Lower Upper
75 100
77 36.4 21.3 39.6

Manual Integrations
APPROVED

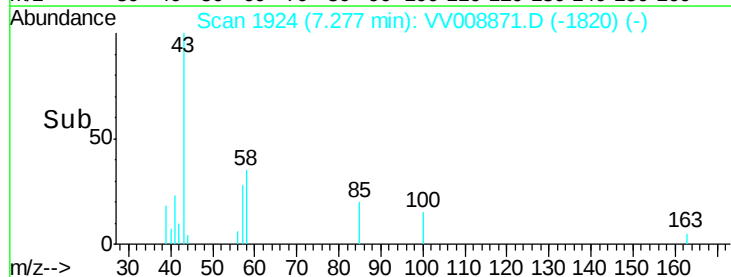
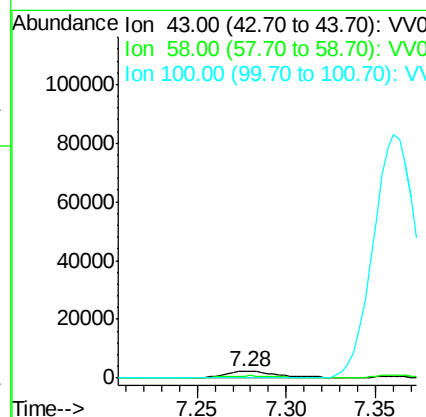
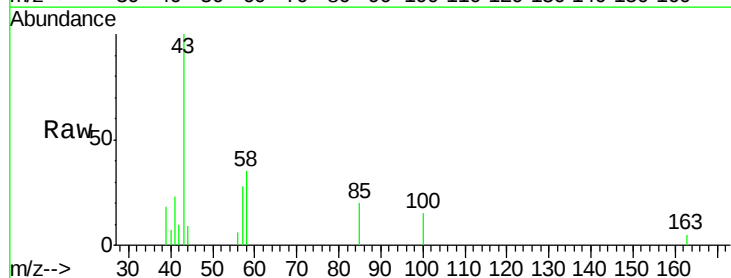
sam
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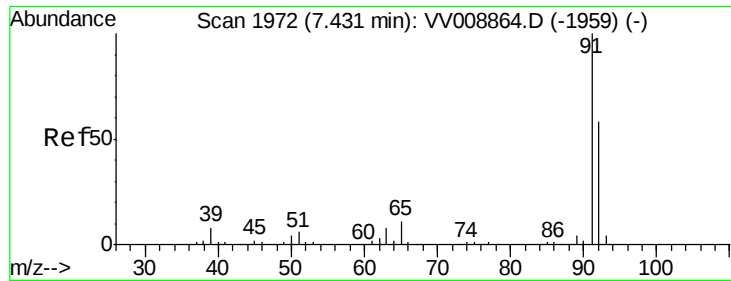


#43

4-Methyl-2-pentanone
Concen: 3.088 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion: 43 Resp: 5110
Ion Ratio Lower Upper
43 100
58 36.3 32.2 48.4
100 11.8 13.8 20.8#





#44

Toluene

Concen: 1.250 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

ClientSampled :

MDL06

Tgt Ion: 91 Resp: 13375

Ion Ratio Lower Upper

91 100

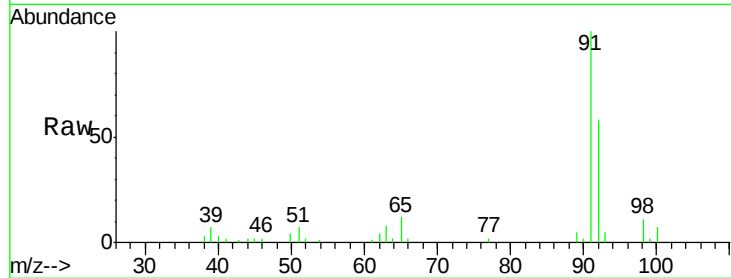
92 58.2 41.7 77.5

Manual Integrations

APPROVED

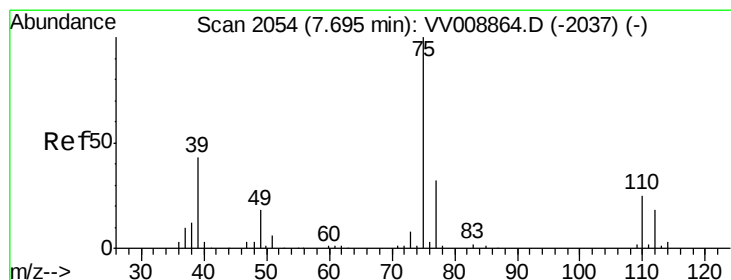
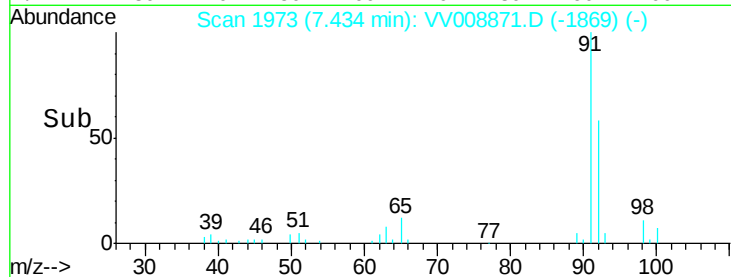
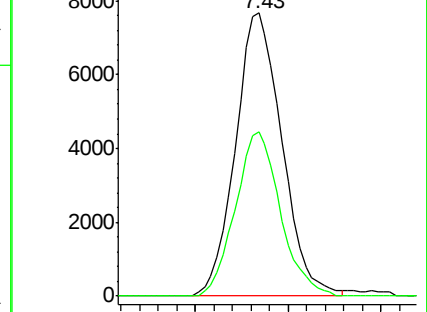
sam

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 1.291 ug/L m

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008871.D

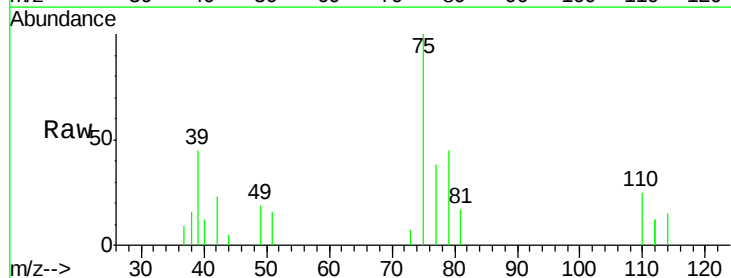
Acq: 06 Dec 2018 22:36

Tgt Ion: 75 Resp: 4034

Ion Ratio Lower Upper

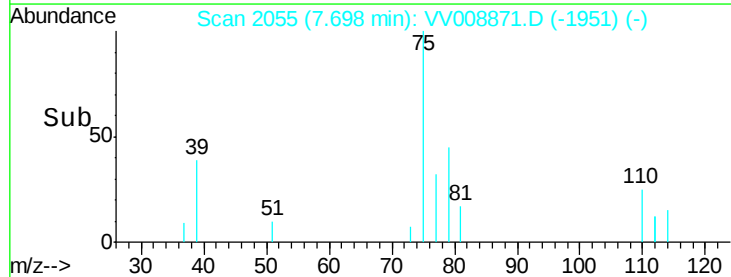
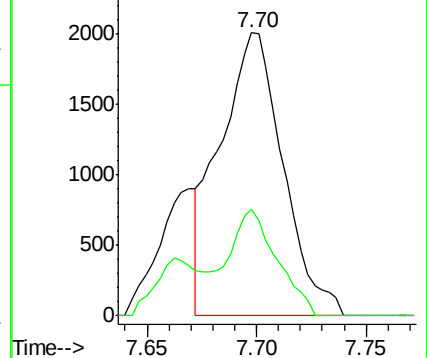
75 100

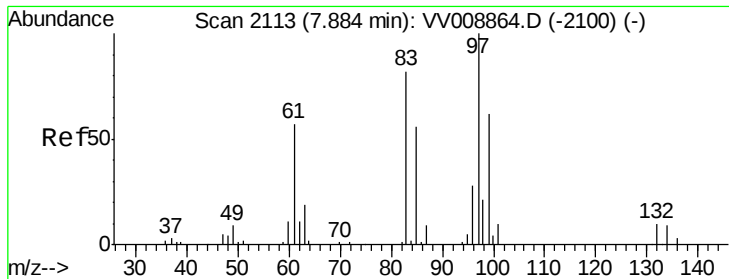
77 37.6 23.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#46

1,1,2-Trichloroethane

Concen: 1.119 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tgt Ion: 97 Resp: 2282

Ion Ratio Lower Upper

97 100

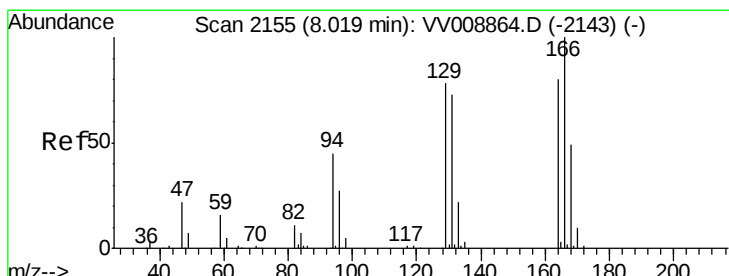
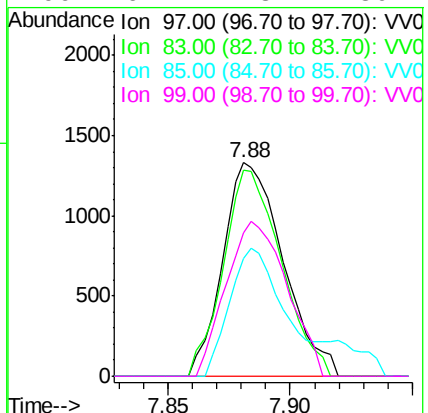
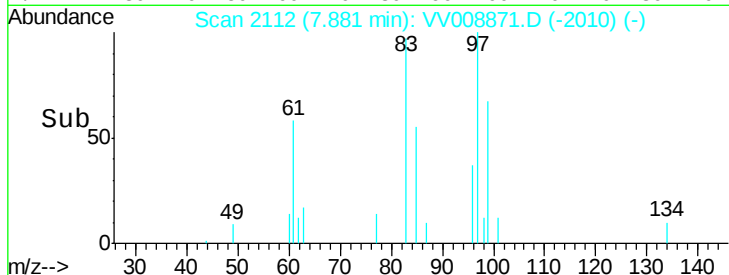
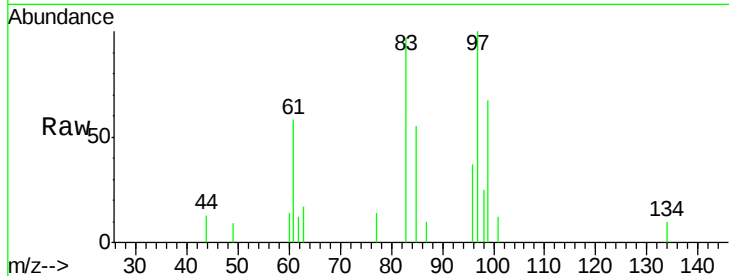
83 96.5 56.6 105.2

85 55.4 36.6 68.0

99 67.2 43.2 80.2

Manual Integrations
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#47

Tetrachloroethene

Concen: 1.149 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Tgt Ion: 164 Resp: 2874

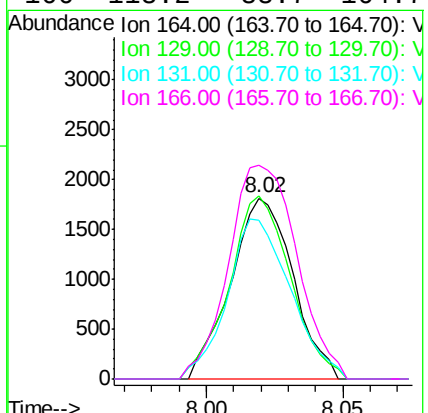
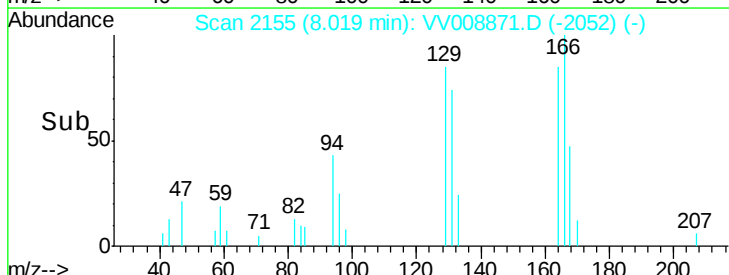
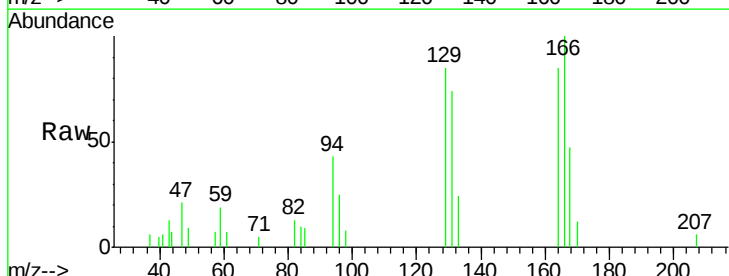
Ion Ratio Lower Upper

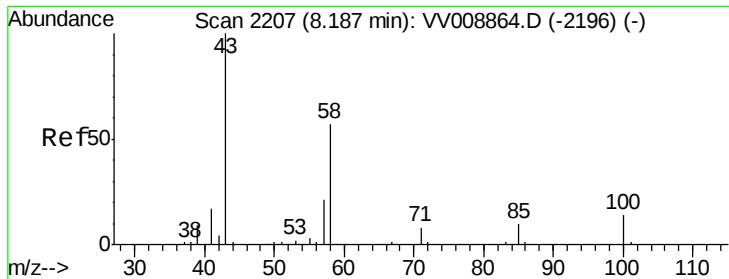
164 100

129 101.0 64.6 120.0

131 87.9 64.5 119.7

166 118.2 88.7 164.7





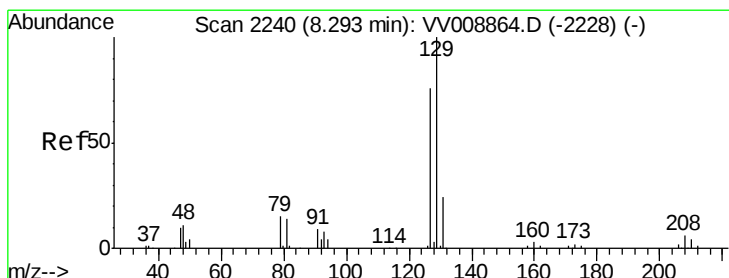
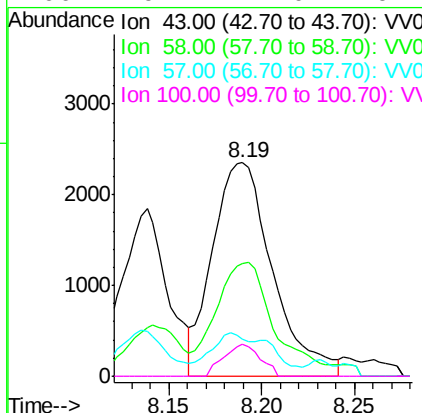
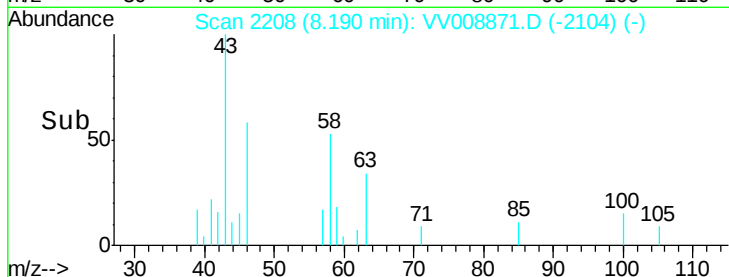
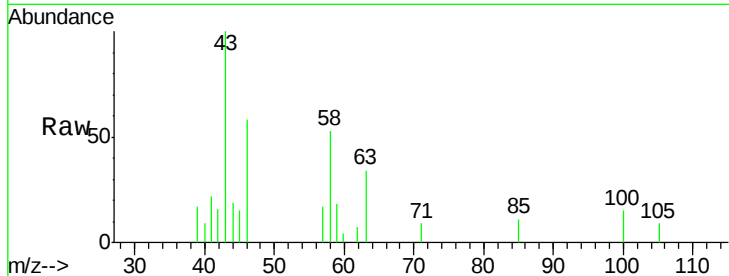
#49
2-Hexanone
Concen: 3.873 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	44.5	43.9	65.9
57	7.2	15.7	23.5
100	9.1	11.0	16.4

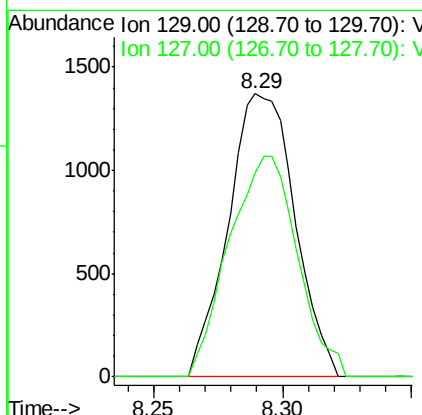
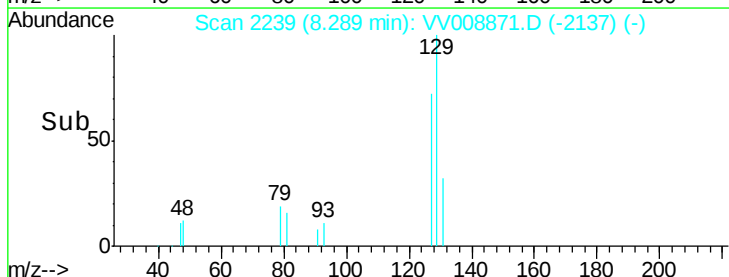
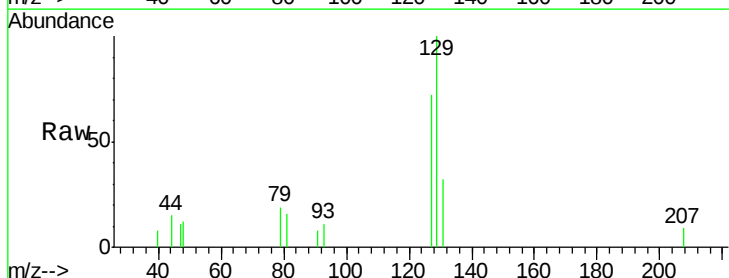
Manual Integrations
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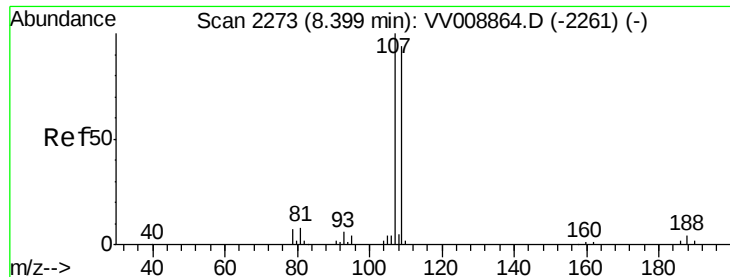
sam
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#50
Dibromochloromethane
Concen: 1.054 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.0	53.5	99.3





#51

1,2-Dibromoethane

Concen: 1.071 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

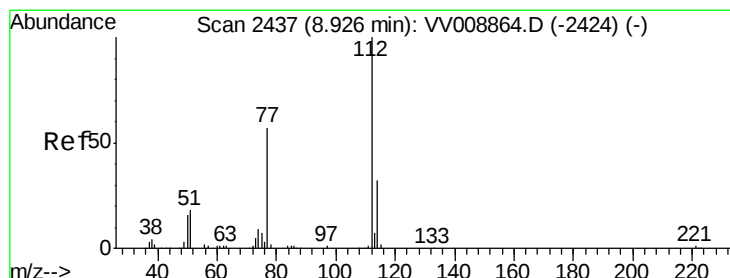
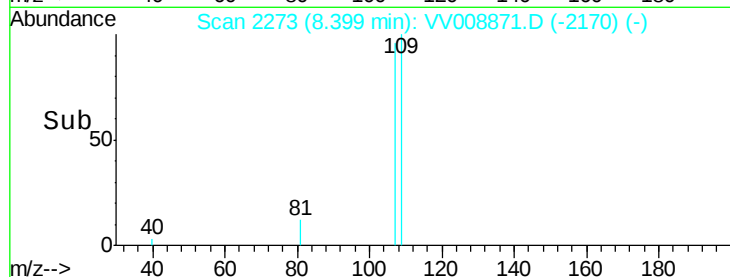
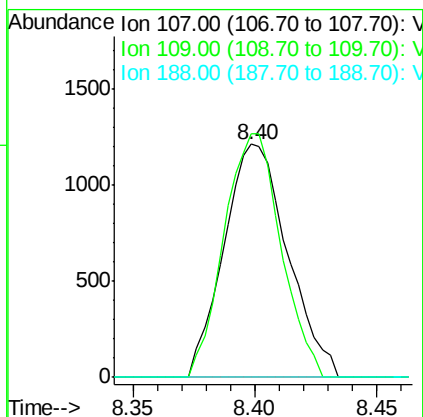
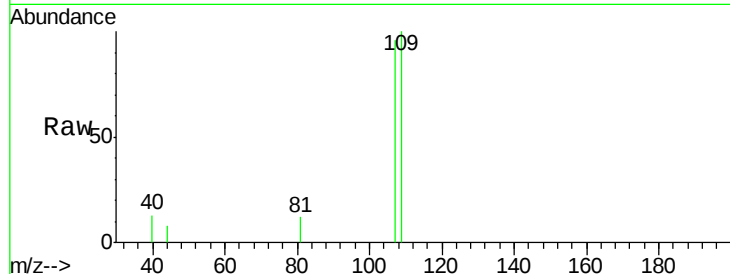
ClientSampleId :

MDL06

Tgt Ion:	107	Resp:	2194
Ion Ratio	Lower	Upper	
107	100		
109	104.5	65.8	122.2
188	0.0	3.0	4.6#

Manual Integrations
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#52

Chlorobenzene

Concen: 1.207 ug/L

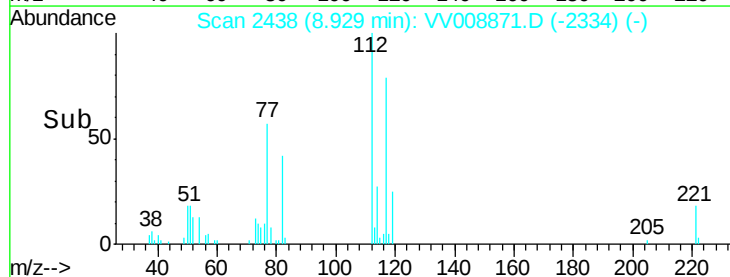
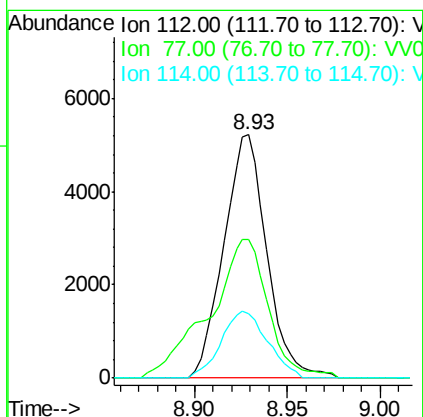
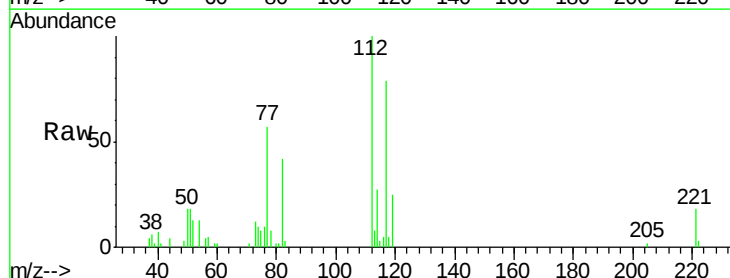
RT: 8.93 min Scan# 2438

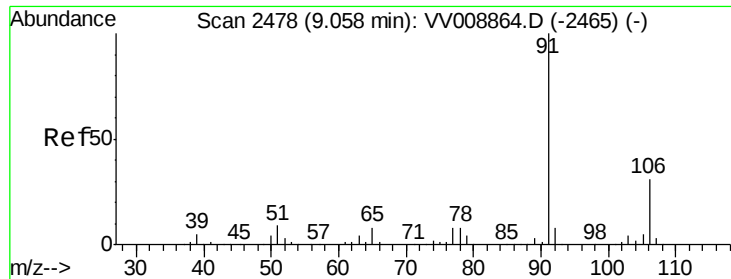
Delta R.T. 0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Tgt Ion:	112	Resp:	8410
Ion Ratio	Lower	Upper	
112	100		
77	56.8	44.6	66.8
114	26.7	22.6	42.0





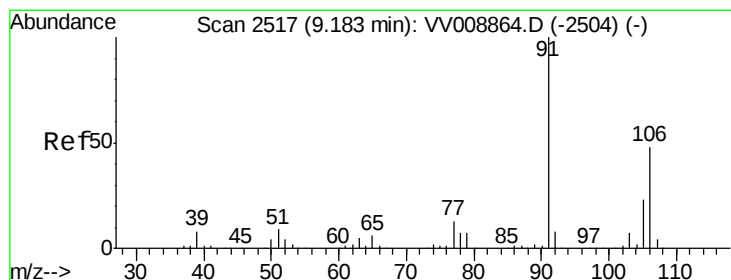
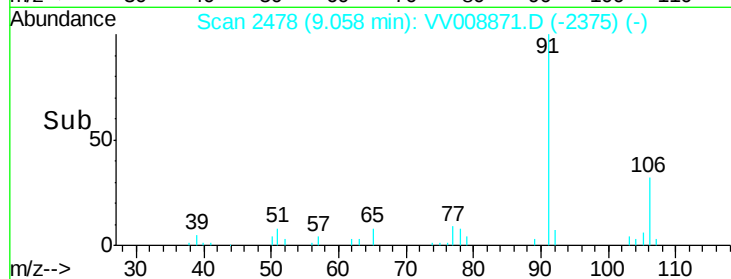
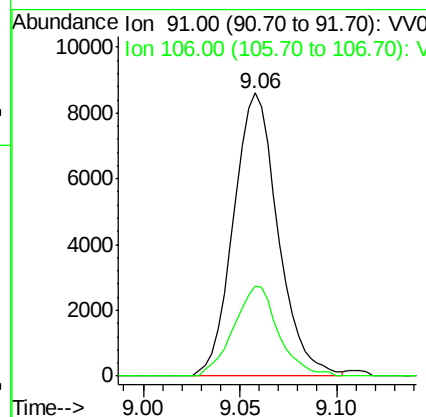
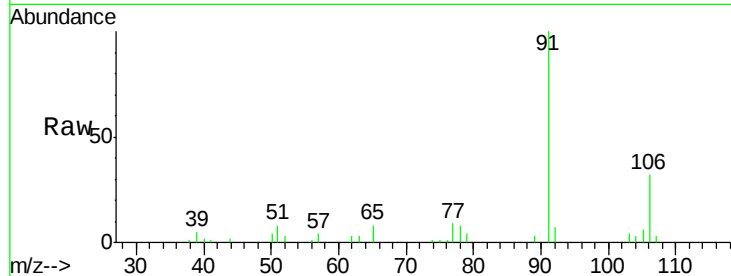
#53
Ethylbenzene
Concen: 1.187 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion: 91 Resp: 13778
Ion Ratio Lower Upper
91 100
106 31.8 21.3 39.5

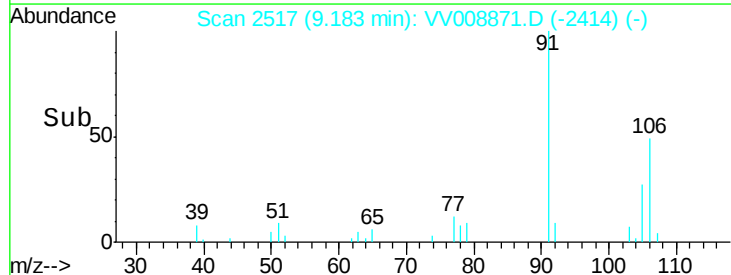
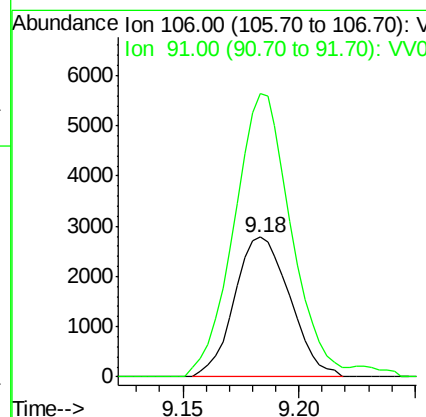
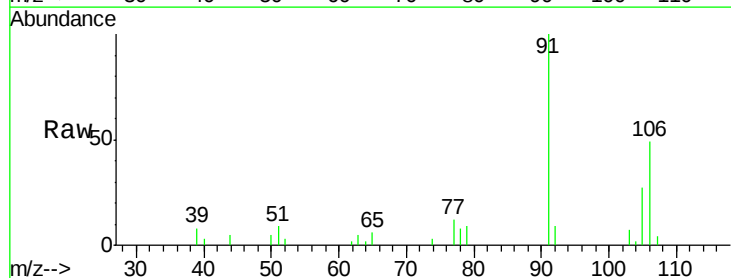
Manual Integrations
APPROVED

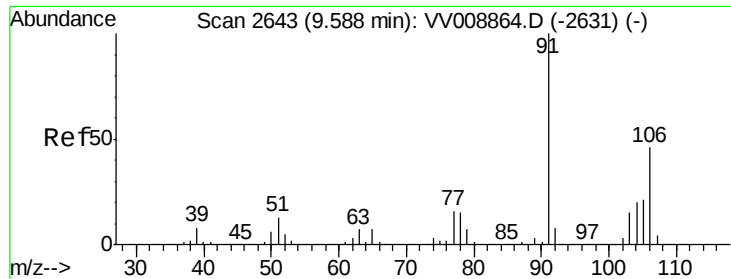
sam
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#54
m,p-Xylene
Concen: 1.049 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion: 106 Resp: 4610
Ion Ratio Lower Upper
106 100
91 202.7 141.3 262.3





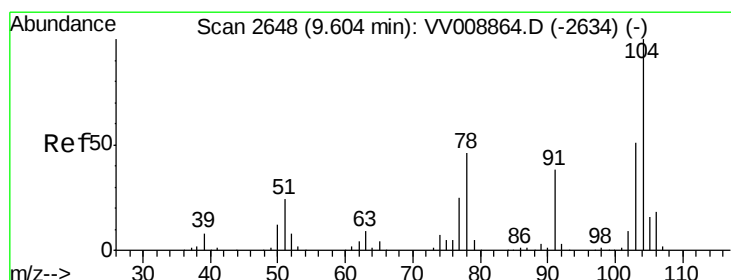
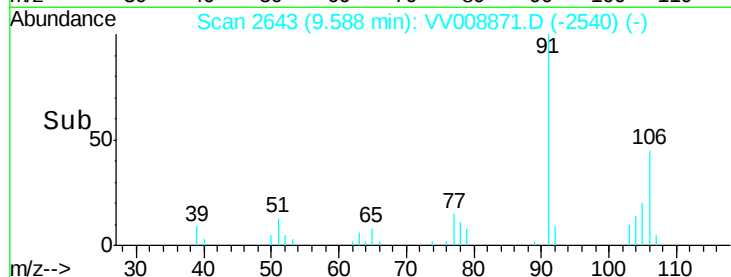
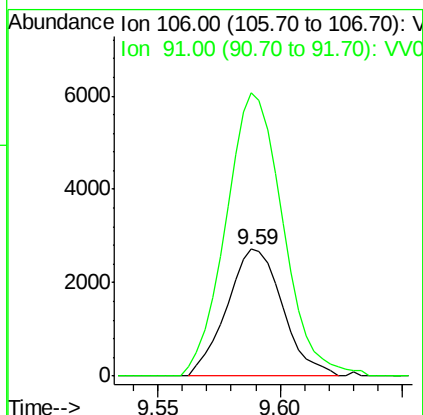
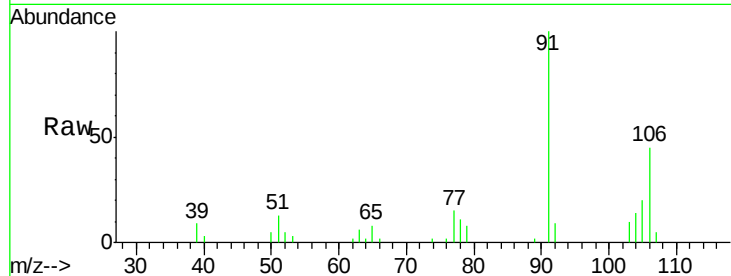
#55
o-xylene
Concen: 1.056 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion:106 Resp: 4311
Ion Ratio Lower Upper
106 100
91 222.6 148.3 275.5

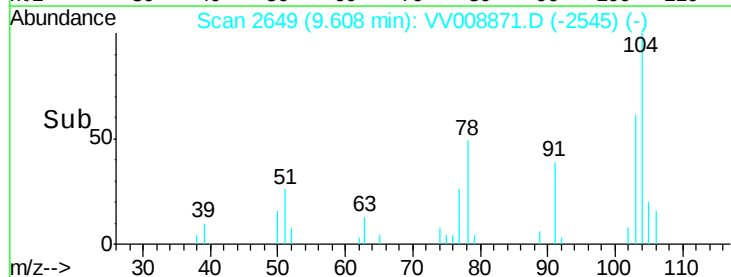
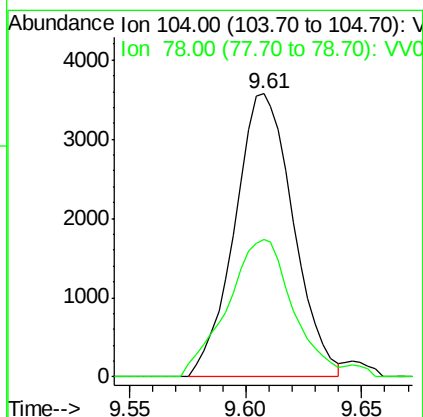
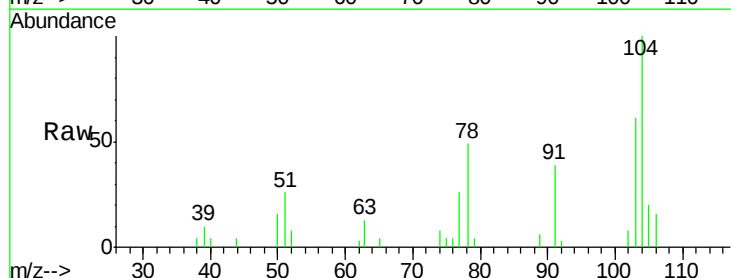
Manual Integrations
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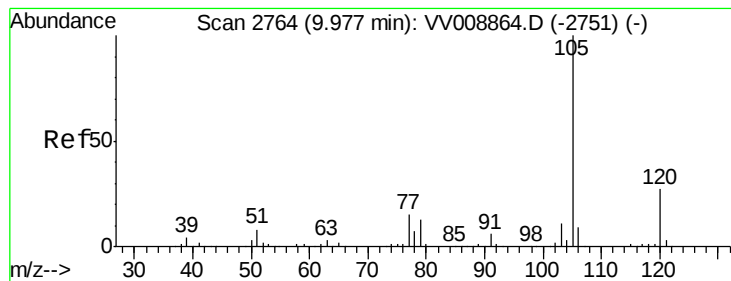
sam
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#56
Styrene
Concen: 0.955 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion:104 Resp: 6291
Ion Ratio Lower Upper
104 100
78 48.5 30.6 56.8





#57

Isopropylbenzene

Concen: 1.101 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

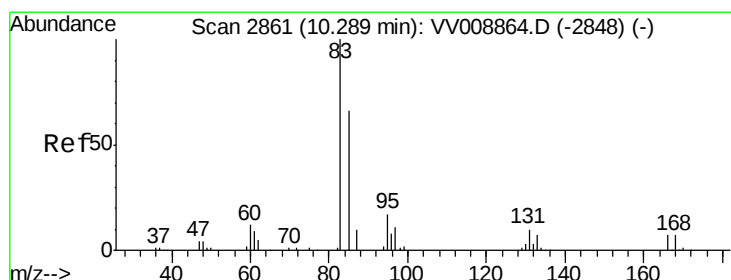
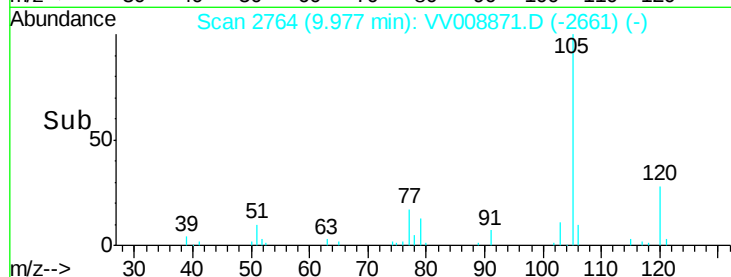
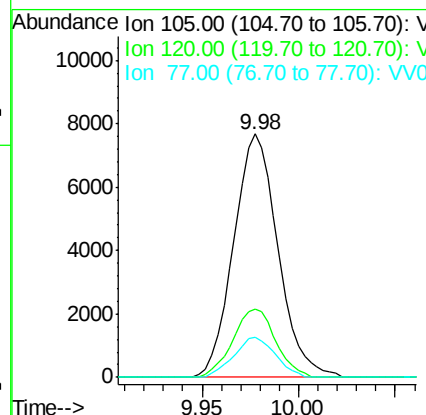
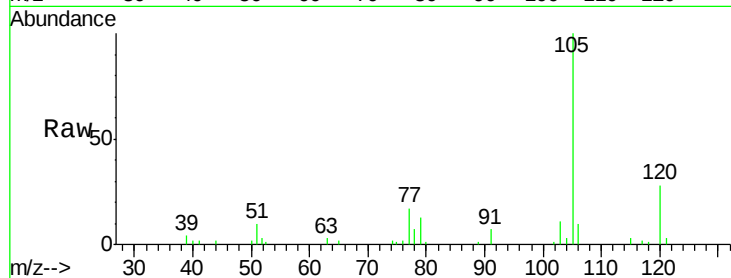
ClientSampleId :

MDL06

Tgt Ion:	105	Resp:	12219
Ion Ratio	Lower	Upper	
105	100		
120	27.1	21.7	32.5
77	15.4	12.4	18.6

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.304 ug/L

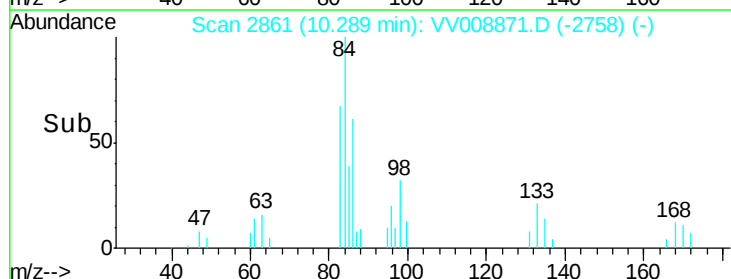
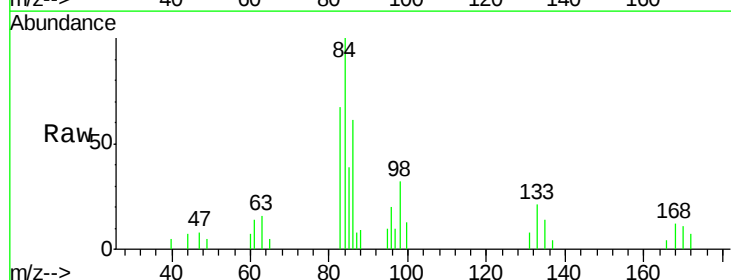
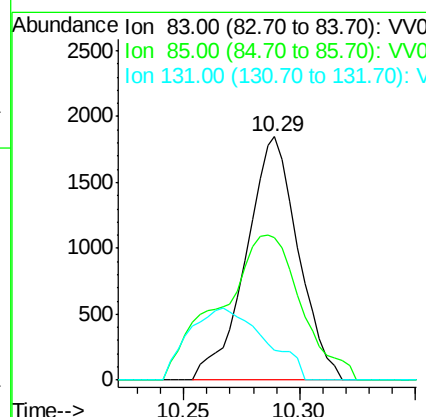
RT: 10.29 min Scan# 2861

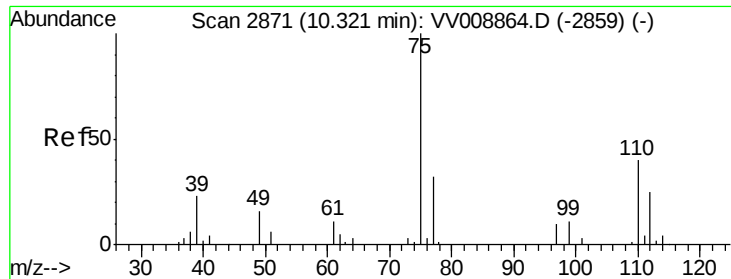
Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Tgt Ion:	83	Resp:	2877
Ion Ratio	Lower	Upper	
83	100		
85	58.4	44.3	82.3
131	12.4	7.8	11.8#





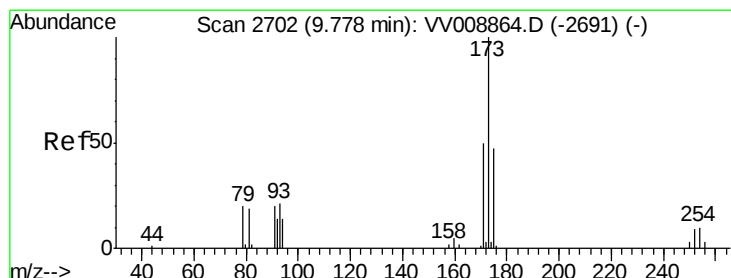
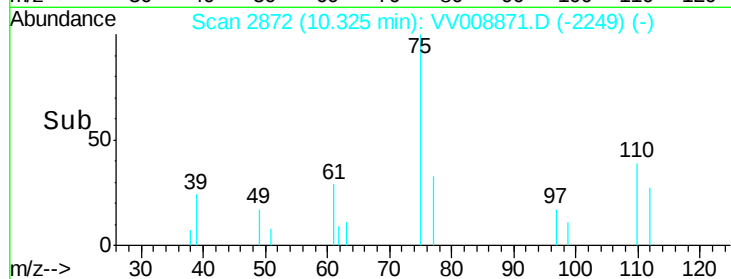
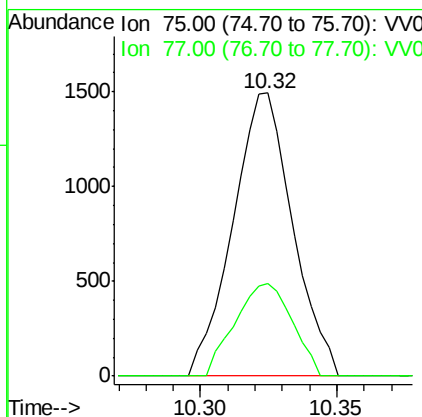
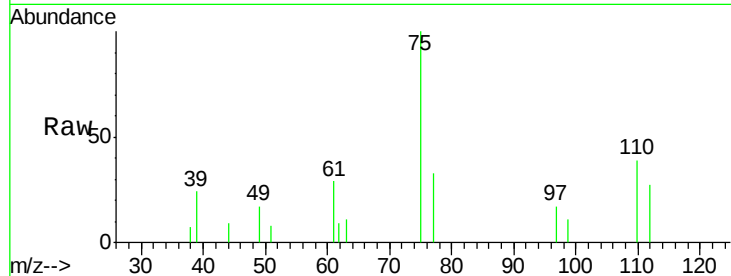
#59
1,2,3-Trichloropropane
Concen: 1.190 ug/L
RT: 10.32 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampled :
MDL06

Tgt Ion: 75 Resp: 2271
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4

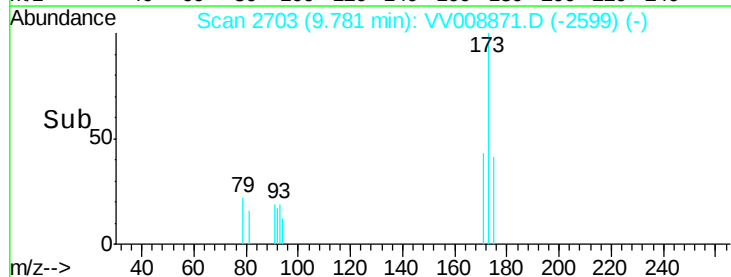
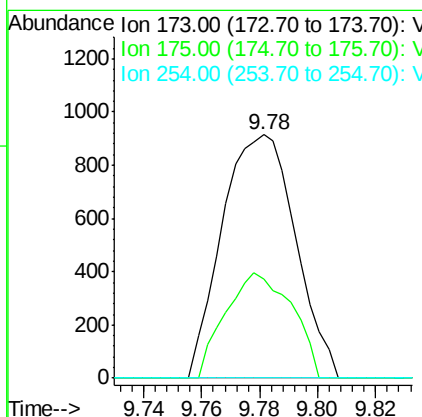
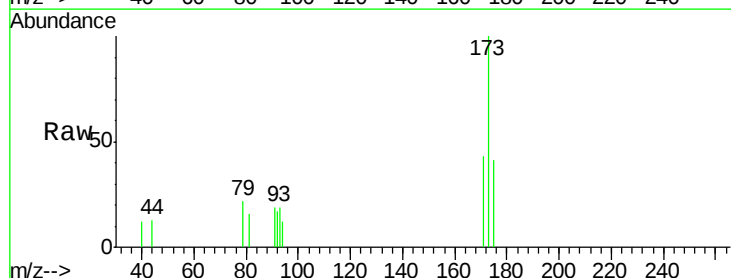
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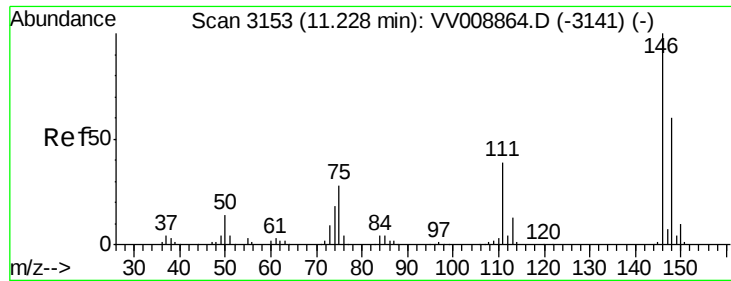
sam
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#62
Bromoform
Concen: 1.249 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion: 173 Resp: 1605
Ion Ratio Lower Upper
173 100
175 39.4 37.7 56.5
254 0.0 7.1 10.7#





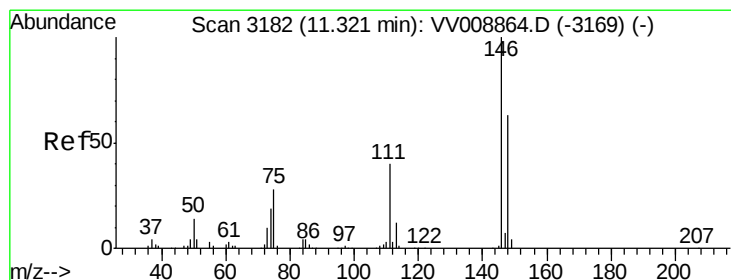
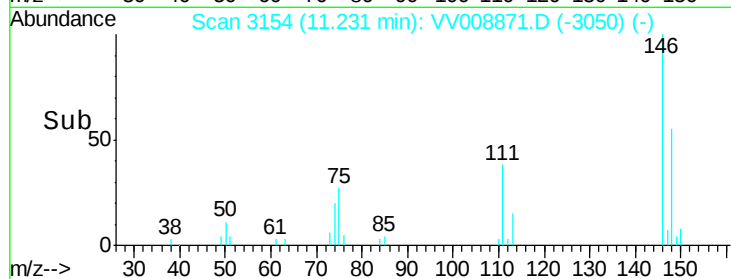
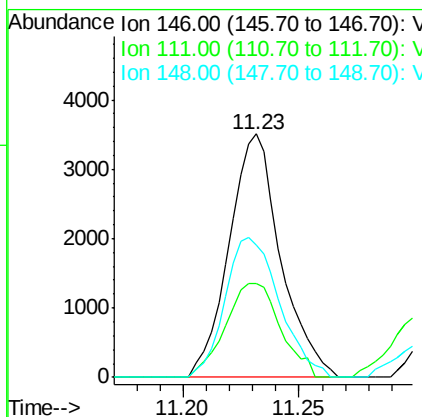
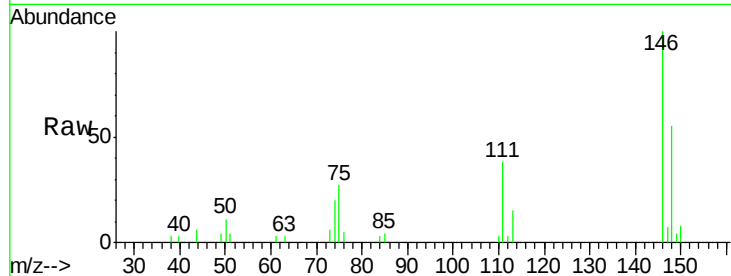
#63
 1,3-Dichlorobenzene
 Concen: 1.182 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:36

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.5	51.1
148	54.5	44.0	81.8

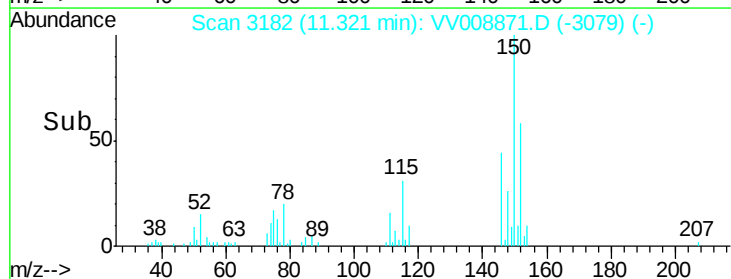
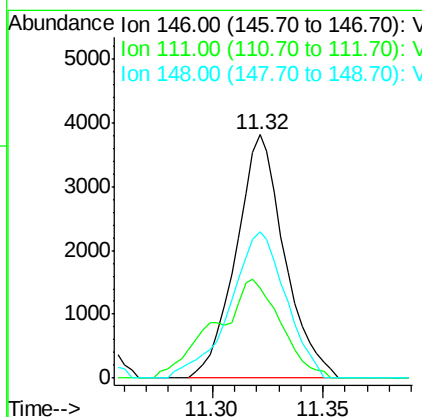
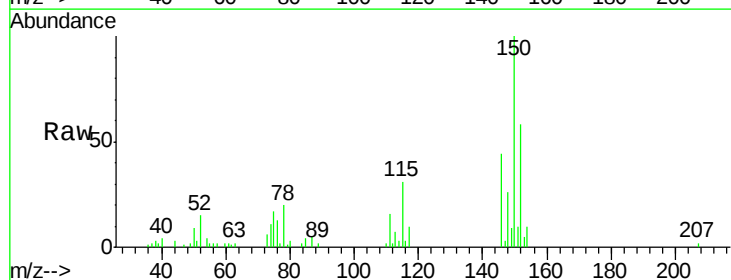
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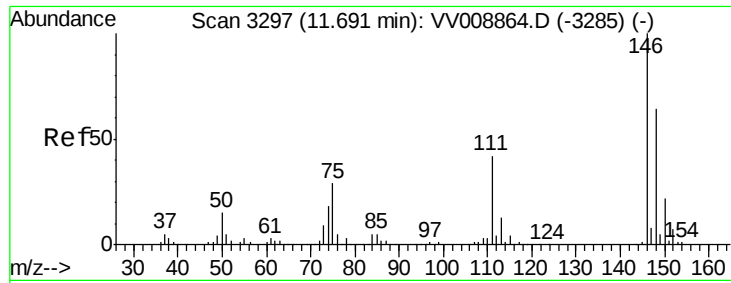
sam
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#64
 1,4-Dichlorobenzene
 Concen: 1.235 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	26.8	49.8
148	60.1	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 1.307 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Instrument :

MSVOA_V

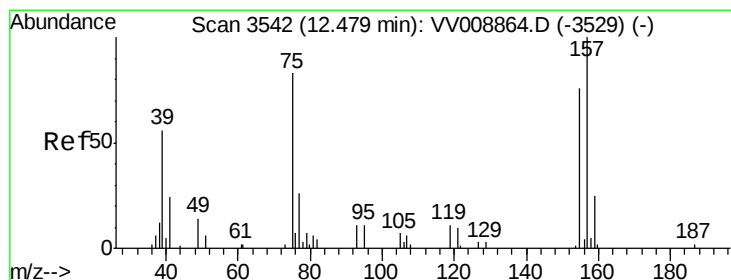
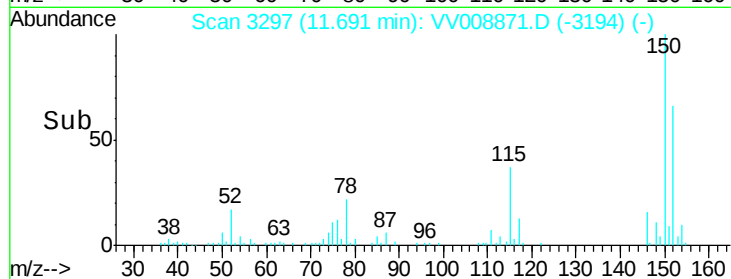
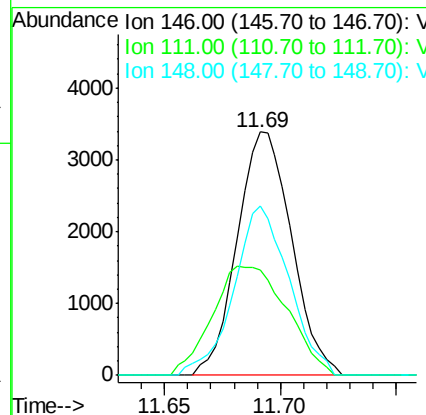
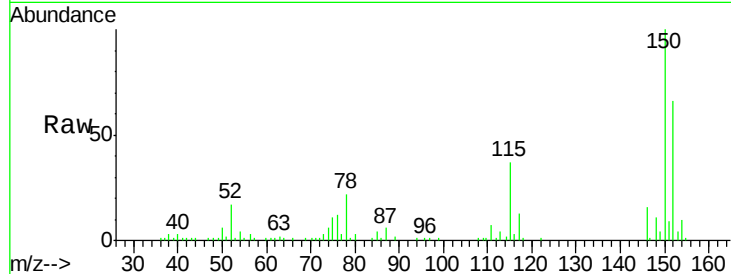
ClientSampled :

MDL06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	34.2	51.4
148	69.7	51.0	76.6

Manual Integrations
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#66

1,2-Dibromo-3-chloropropane

Concen: 1.039 ug/L m

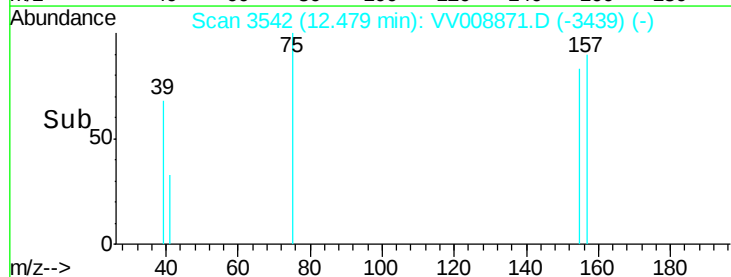
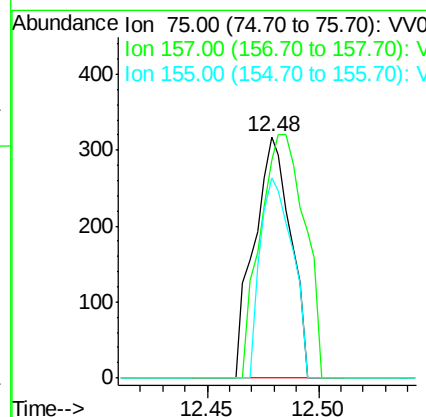
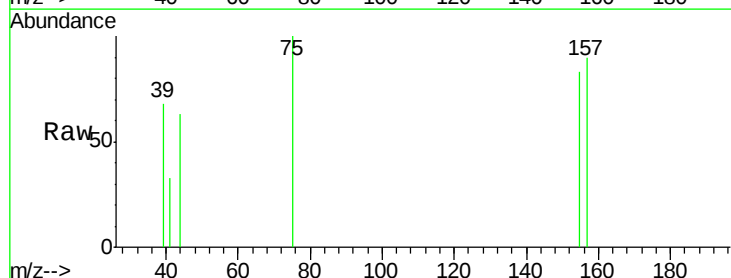
RT: 12.48 min Scan# 3542

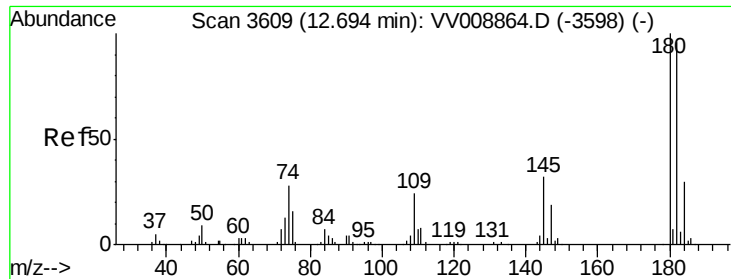
Delta R.T. -0.00 min

Lab File: VV008871.D

Acq: 06 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
75	100		
157	90.3	95.8	143.6#
155	82.7	71.4	107.2





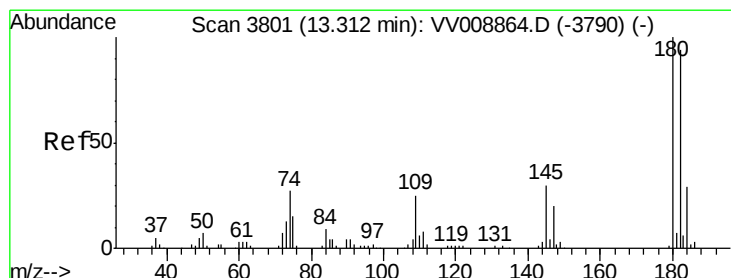
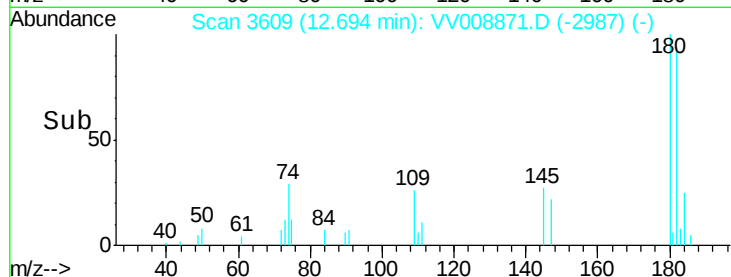
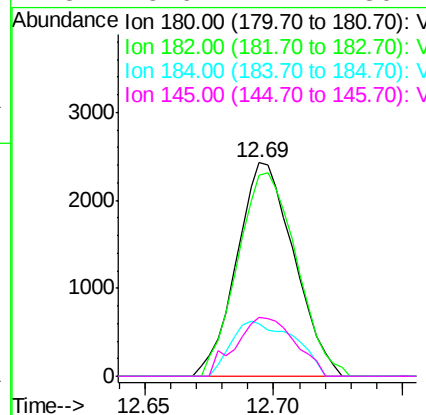
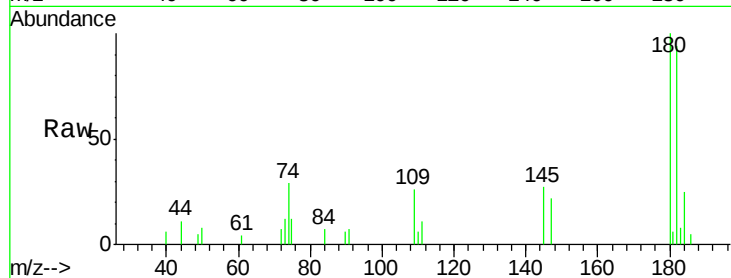
#67
 1,3,5-Trichlorobenzene
 Concen: 1.135 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:36

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:	180	Resp:	3759
Ion	Ratio	Lower	Upper
180	100		
182	98.2	75.9	113.9
184	28.3	23.8	35.6
145	25.6	24.2	36.4

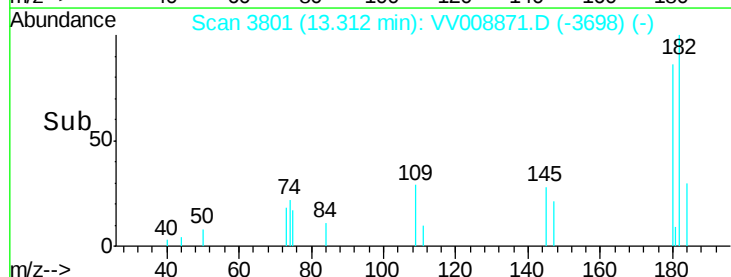
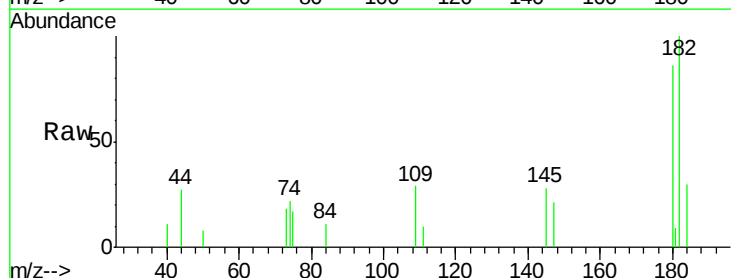
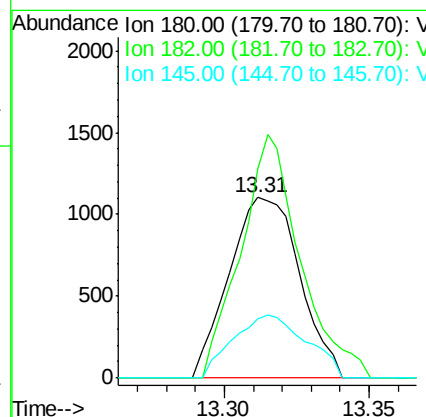
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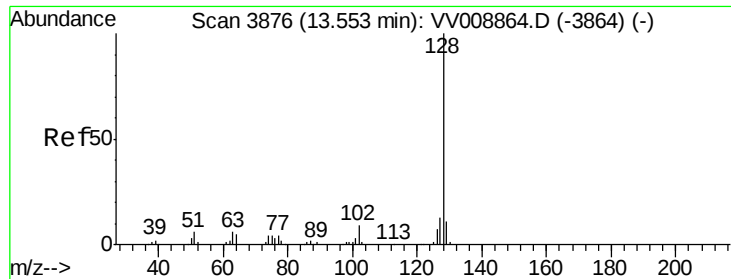
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#68
 1,2,4-trichlorobenzene
 Concen: 0.803 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008871.D
 Acq: 06 Dec 2018 22:36

Tgt Ion:	180	Resp:	1865
Ion	Ratio	Lower	Upper
180	100		
182	113.7	77.4	116.0
145	36.1	25.6	38.4





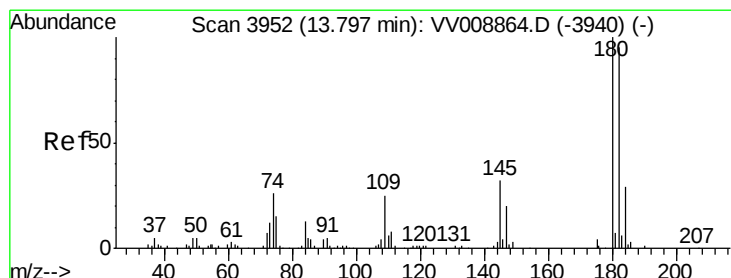
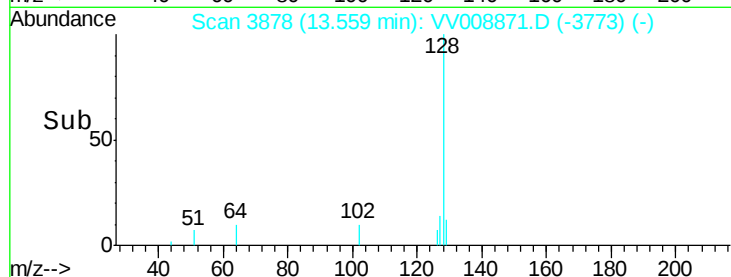
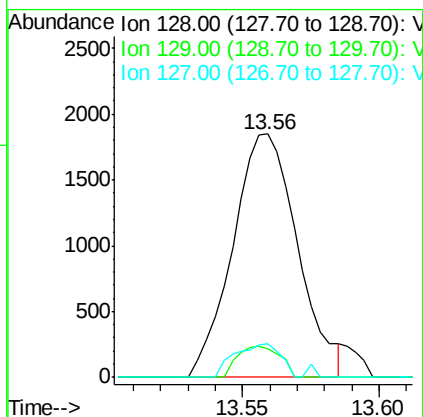
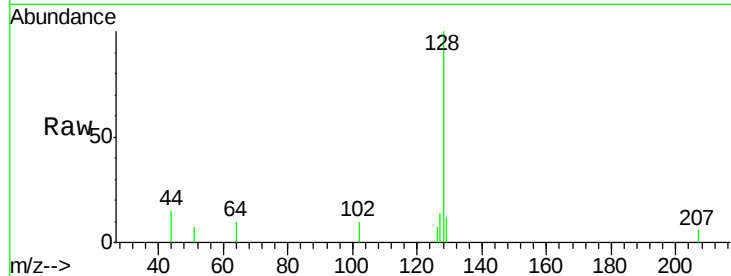
#69
Naphthalene
Concen: 0.761 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.01 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.3	8.6	13.0#
127	9.9	10.0	15.0#

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 0.964 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VV008871.D
Acq: 06 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	76.1	114.1
145	31.3	26.7	40.1

