

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008895.D
 Acq On : 11 Dec 2018 13:04
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

sam
 12/12/2018 11:26:50 AM

Quant Time: Dec 12 05:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 12 04:31:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	253662	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	228590	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90998	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63894	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.36%
7) Chloroethane-d5	1.58	69	57732	29.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.08%
10) 1,1-Dichloroethene-d2	2.13	63	123070	18.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.00%
20) 2-Butanone-d5	3.94	46	45585	47.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.40%
24) Chloroform-d	4.40	84	141755	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.08	65	84170	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.16%
29) Benzene-d6	5.10	84	299805	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
33) 1,2-Dichloropropane-d6	6.12	67	85444	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.64%
37) Toluene-d8	7.36	98	272386	23.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.20%
38) trans-1,3-Dichloropropene-	7.66	79	37299	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
39) 2-Hexanone-d5	8.14	63	28372	43.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.66%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	65296	21.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.12%
61) 1,2-Dichlorobenzene-d4	11.68	152	81716	23.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4358	1.048 ug/L	99
3) Chloromethane	1.25	50	2945	1.031 ug/L	94
5) Vinyl chloride	1.32	62	2956	0.927 ug/L #	46
6) Bromomethane	1.53	94	1917	1.250 ug/L	95
8) Chloroethane	1.60	64	2272	1.272 ug/L	89
9) Trichlorofluoromethane	1.77	101	5773	1.057 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4321	1.153 ug/L #	81
12) 1,1-Dichloroethene	2.14	96	4081	1.248 ug/L #	1
13) Acetone	2.20	43	3021	2.146 ug/L	99
14) Carbon disulfide	2.32	76	9354	0.891 ug/L	98
15) Methyl Acetate	2.47	43	1580	0.885 ug/L	97
16) Methylene chloride	2.53	84	11003	2.576 ug/L	90
17) Methyl tert-butyl Ether	2.80	73	6905	0.930 ug/L #	89
18) trans-1,2-Dichloroethene	2.79	96	3222	0.912 ug/L	92
19) 1,1-Dichloroethane	3.24	63	4777	0.834 ug/L	96
21) 2-Butanone	4.03	43	2013m	1.525 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3352	0.910 ug/L	87

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Manual Integrations
 APPROVED

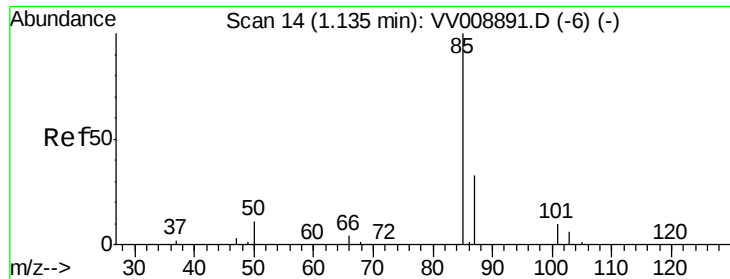
sam
 12/12/2018 11:26:50 AM

Quant Time: Dec 12 05:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 12 04:31:38 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	4.31	128	1546	0.890	ug/L #	77
25) Chloroform	4.42	83	7994	1.300	ug/L	100
27) 1,2-Dichloroethane	5.18	62	4065	0.971	ug/L	97
30) Cyclohexane	4.72	56	4600	0.799	ug/L #	91
31) 1,1,1-Trichloroethane	4.66	97	5300	0.899	ug/L	98
32) Carbon tetrachloride	4.88	117	4387	0.815	ug/L	100
34) Benzene	5.15	78	11396	0.832	ug/L	100
35) Trichloroethene	5.96	95	4085	0.989	ug/L	97
36) Methylcyclohexane	6.18	83	5809	0.882	ug/L	98
40) 1,2-Dichloropropane	6.23	63	3093	0.941	ug/L #	93
41) Bromodichloromethane	6.56	83	3728	0.861	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	4434	0.921	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	4709	2.120	ug/L #	90
44) Toluene	7.43	91	13618	0.948	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	3750	0.894	ug/L	97
46) 1,1,2-Trichloroethane	7.89	97	2422	0.884	ug/L	88
47) Tetrachloroethene	8.02	164	3086	0.919	ug/L	90
49) 2-Hexanone	8.19	43	5097m	2.773	ug/L	
50) Dibromochloromethane	8.29	129	2903	0.925	ug/L	91
51) 1,2-Dibromoethane	8.40	107	2341	0.851	ug/L #	98
52) Chlorobenzene	8.93	112	8481	0.907	ug/L	92
53) Ethylbenzene	9.06	91	13540	0.869	ug/L	98
54) m,p-Xylene	9.18	106	4911	0.832	ug/L	99
55) o-xylene	9.59	106	4464	0.814	ug/L	98
56) Styrene	9.61	104	6811	0.770	ug/L	94
57) Isopropylbenzene	9.98	105	12322	0.827	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	2727	0.921	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	2281	0.890	ug/L	97
62) Bromoform	9.78	173	1350	0.822	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	5620	0.958	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	6309	1.046	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	5331	0.986	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	408m	0.921	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3467	0.819	ug/L	93
68) 1,2,4-trichlorobenzene	13.32	180	2121	0.715	ug/L #	70
69) Naphthalene	13.56	128	2946	0.576	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.80	180	1951	0.712	ug/L #	85

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



#2

Dichlorodifluoromethane

Concen: 1.048 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 4358

Ion Ratio Lower Upper

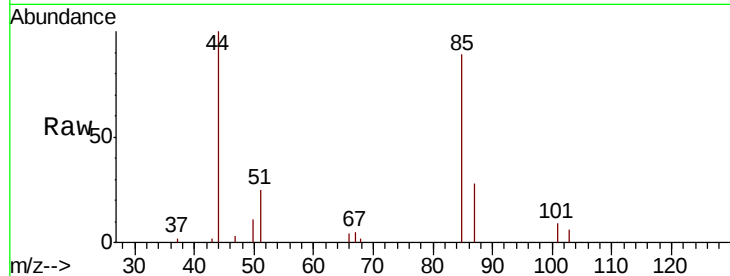
85 100

87 32.3 22.4 41.6

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Abundance Ion 85.00 (84.70 to 85.70): VV008891.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008891.D (-6) (-)

1.14

4000

3000

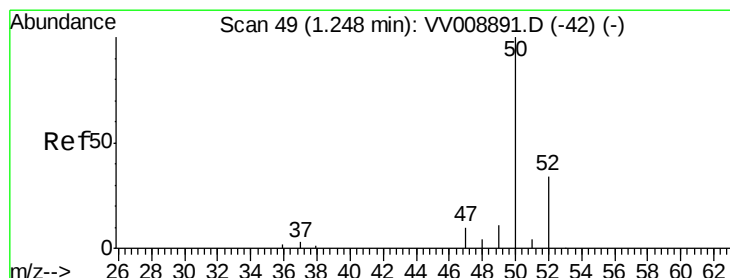
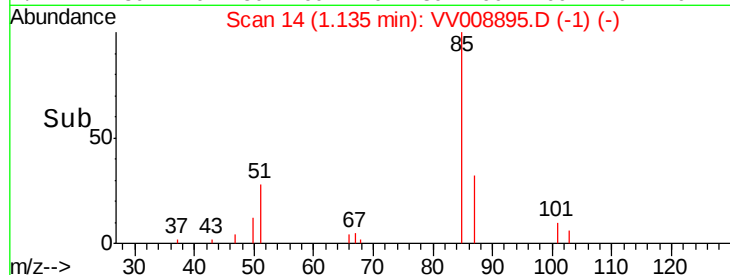
2000

1000

0

1.10 1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 1.031 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008895.D

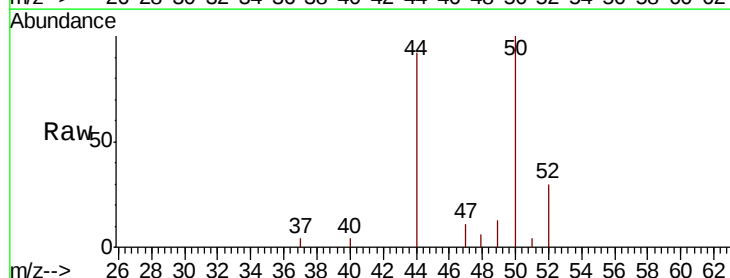
Acq: 11 Dec 2018 13:04

Tgt Ion: 50 Resp: 2945

Ion Ratio Lower Upper

50 100

52 29.9 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008891.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008891.D (-42) (-)

1.25

3000

2500

2000

1500

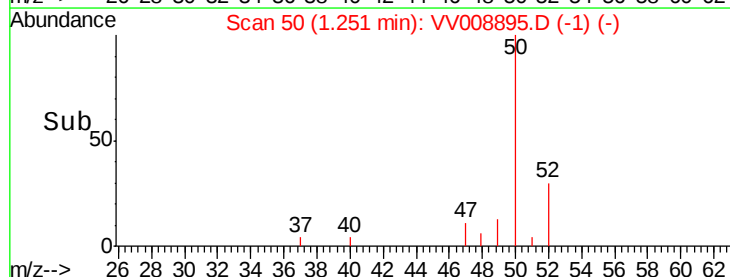
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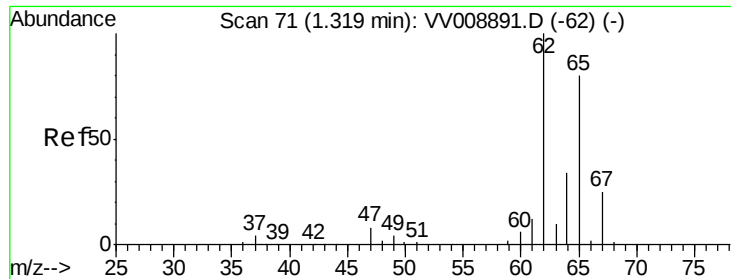
500

0

1.22 1.24 1.26 1.28

Time-->





#5

Vinyl chloride

Concen: 0.927 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion: 62 Resp: 2956

Ion Ratio Lower Upper

62 100

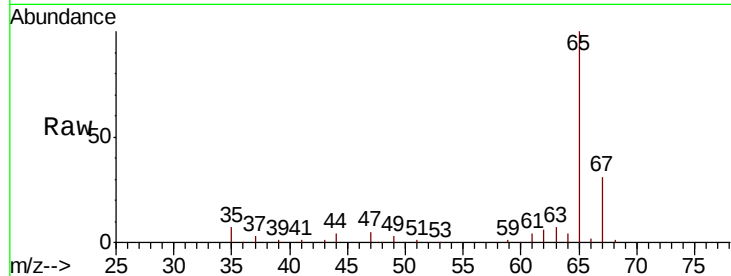
64 63.9 23.3 43.3#

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Abundance Ion 62.00 (61.70 to 62.70): VV008891.D

Ion 64.00 (63.70 to 64.70): VV008891.D

1.32

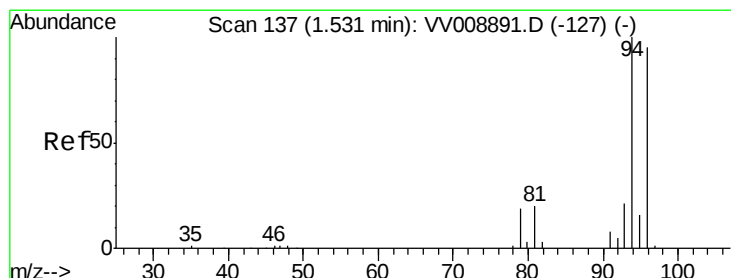
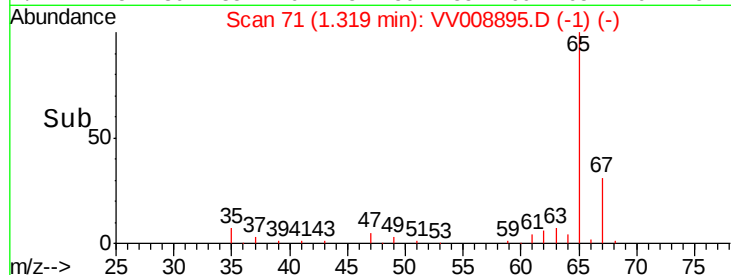
3000

2000

1000

0

Time--> 1.28 1.30 1.32 1.34



#6

Bromomethane

Concen: 1.250 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV008895.D

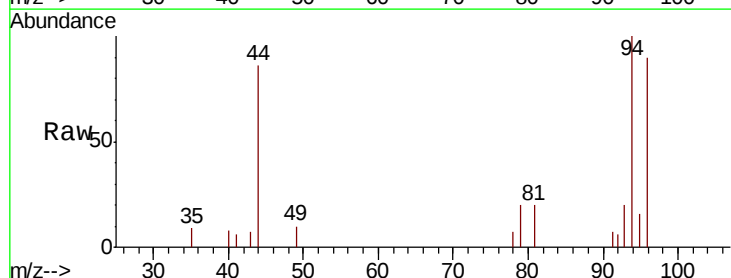
Acq: 11 Dec 2018 13:04

Tgt Ion: 94 Resp: 1917

Ion Ratio Lower Upper

94 100

96 90.8 9.5 180.9



Abundance Ion 94.00 (93.70 to 94.70): VV008891.D

Ion 96.00 (95.70 to 96.70): VV008891.D

1.53

2000

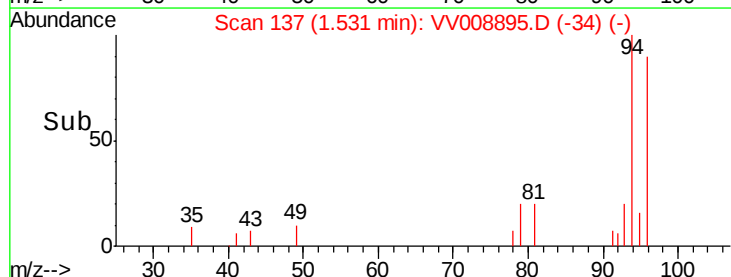
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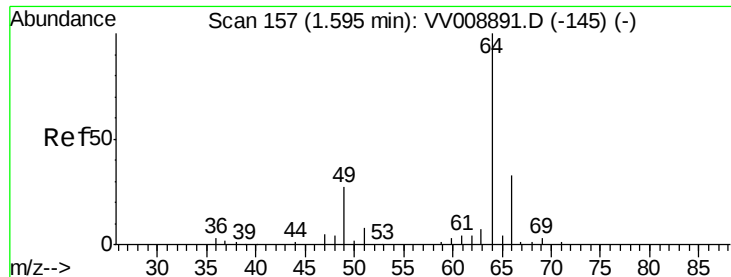
1000

500

0

Time--> 1.50 1.52 1.54 1.56





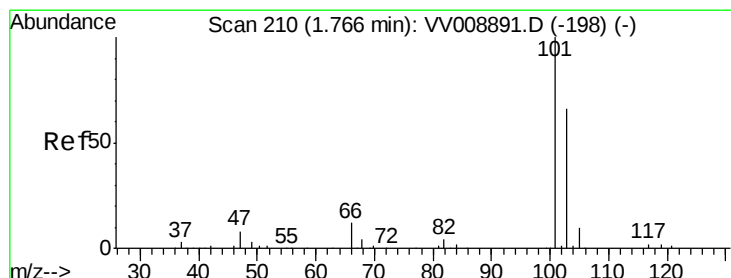
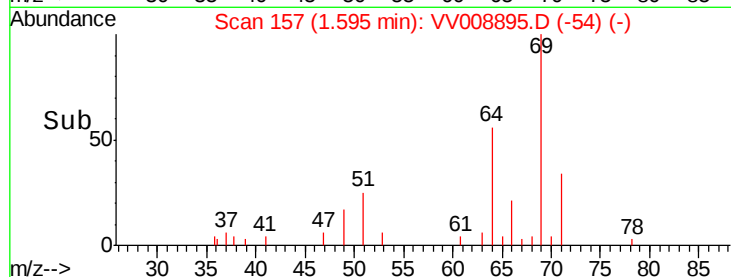
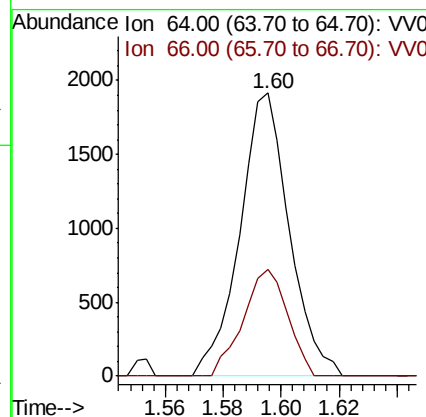
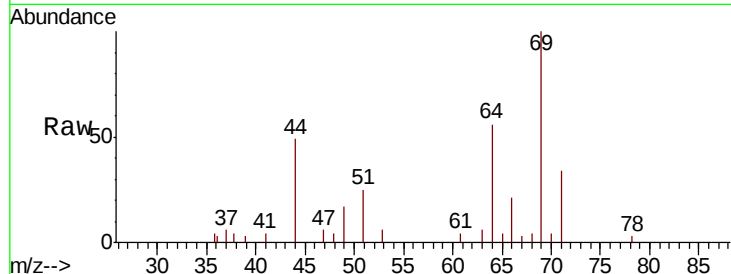
#8
Chloroethane
Concen: 1.272 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 64 Resp: 2272
Ion Ratio Lower Upper
64 100
66 37.7 22.2 41.2

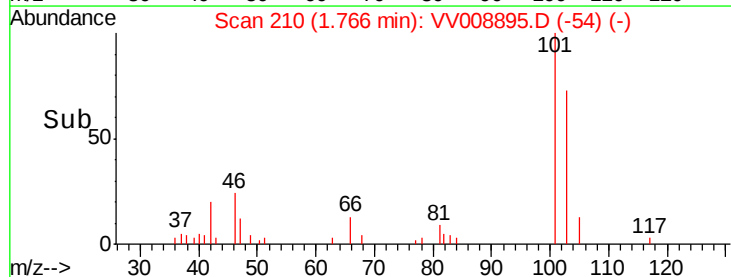
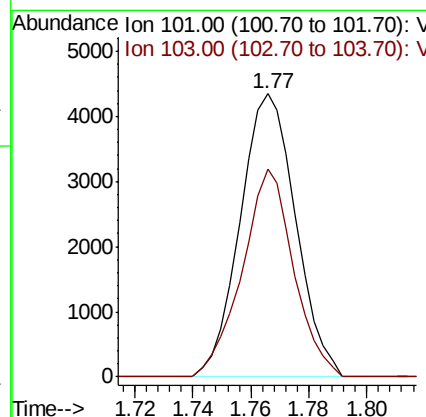
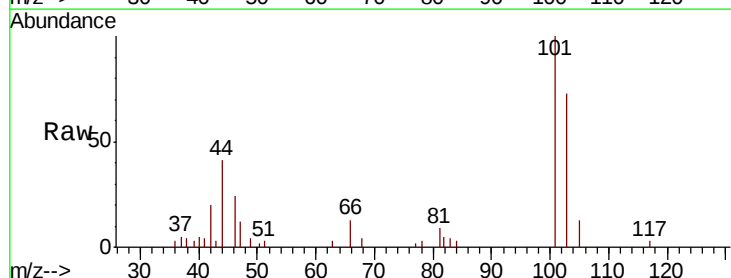
Manual Integrations
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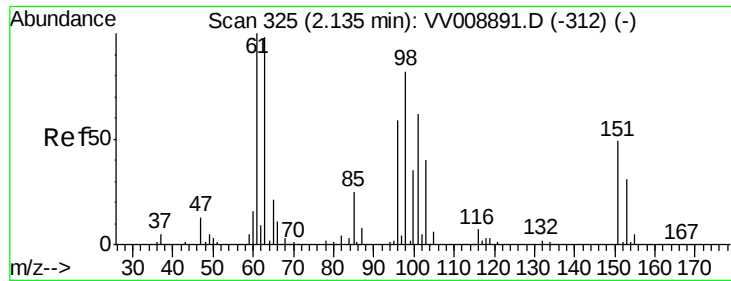
sam
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#9
Trichlorofluoromethane
Concen: 1.057 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 101 Resp: 5773
Ion Ratio Lower Upper
101 100
103 68.0 44.8 83.2





#11

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

Concen: 1.153 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

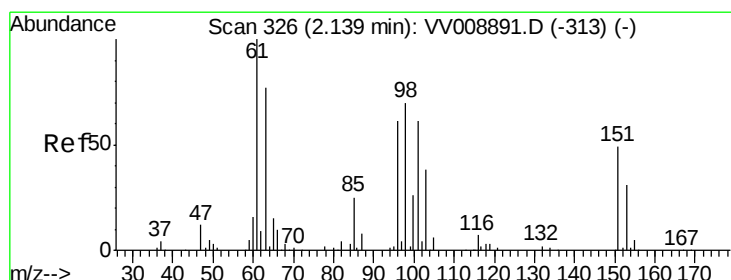
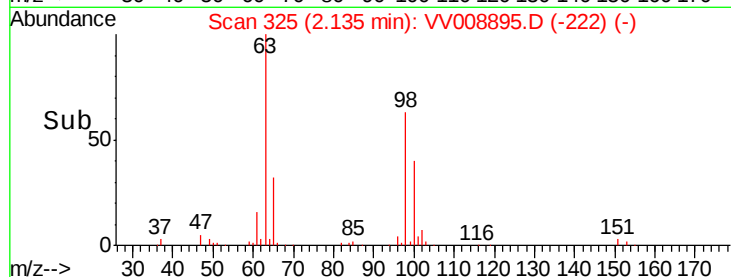
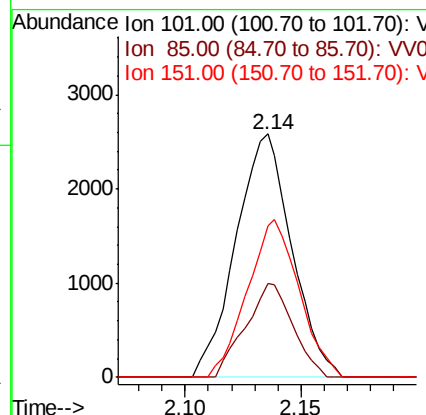
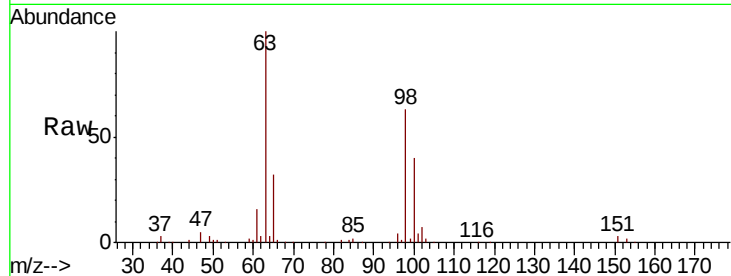
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	4321
Ion Ratio	Lower	Upper	
101	100		
85	32.7	32.5	48.7
151	60.1	64.2	96.4#

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#12

1,1-Dichloroethene

Concen: 1.248 ug/L

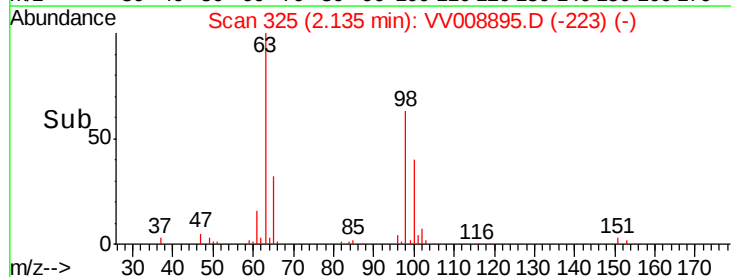
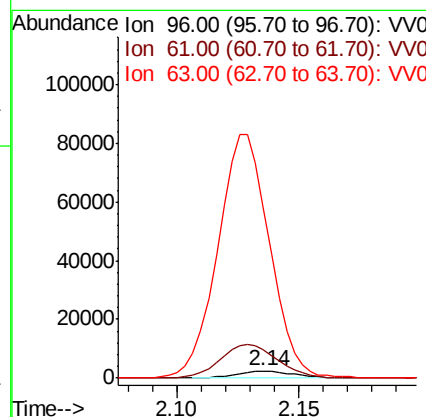
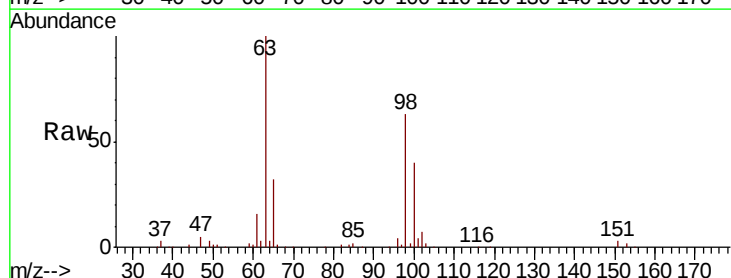
RT: 2.14 min Scan# 325

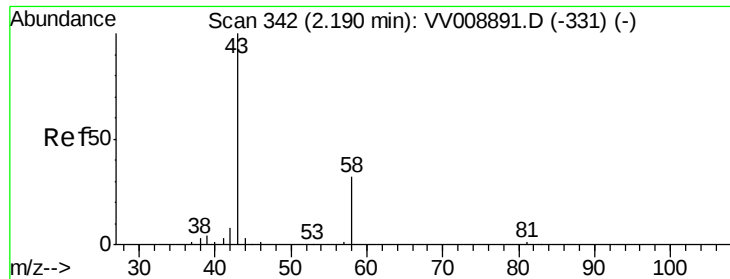
Delta R.T. -0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Tgt Ion:	96	Resp:	4081
Ion Ratio	Lower	Upper	
96	100		
61	392.8	114.0	211.6#
63	2406.6	82.4	153.0#





#13

Acetone

Concen: 2.146 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 3021

Ion Ratio Lower Upper

43 100

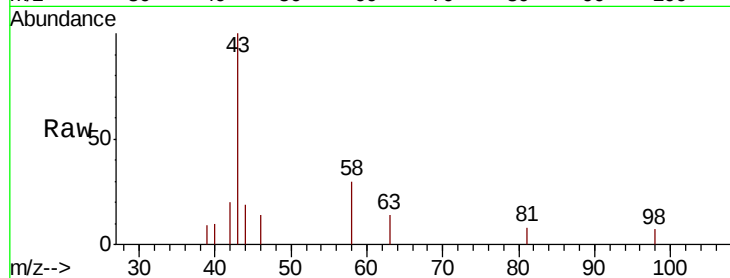
58 33.4 0.0 65.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV008891.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008891.D (-331) (-)

2.20

1500

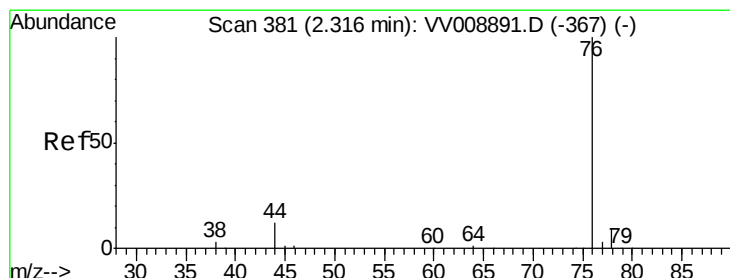
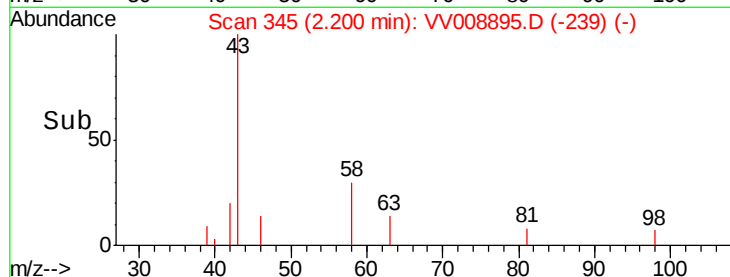
1000

500

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.891 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008895.D

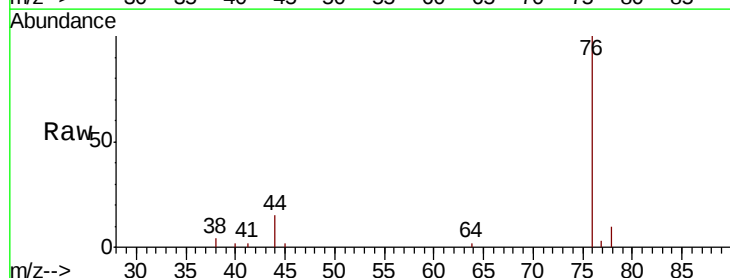
Acq: 11 Dec 2018 13:04

Tgt Ion: 76 Resp: 9354

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008891.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV008891.D (-367) (-)

2.32

6000

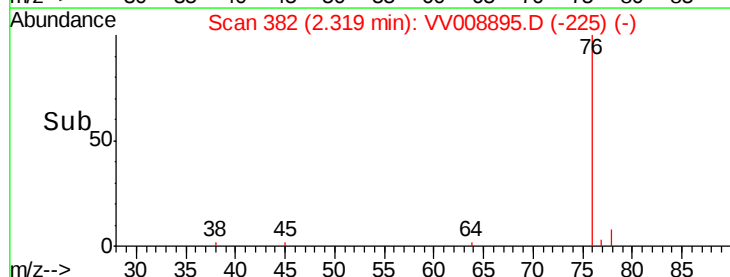
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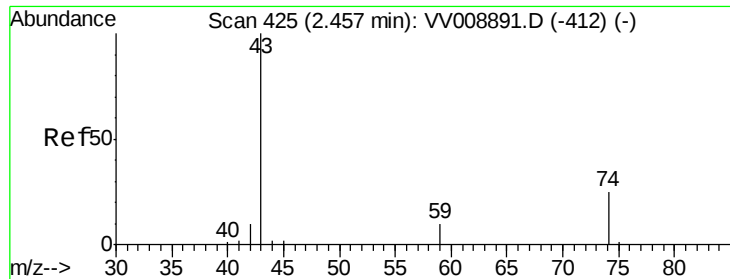
2000

0

Time-->

2.30 2.35





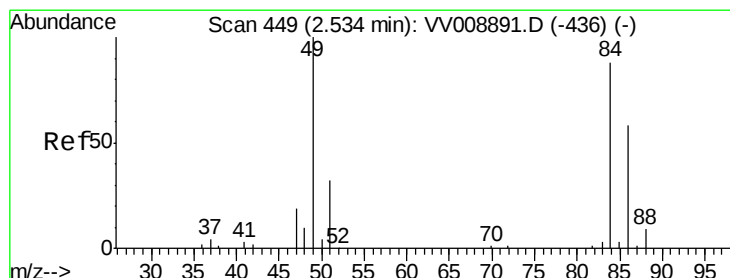
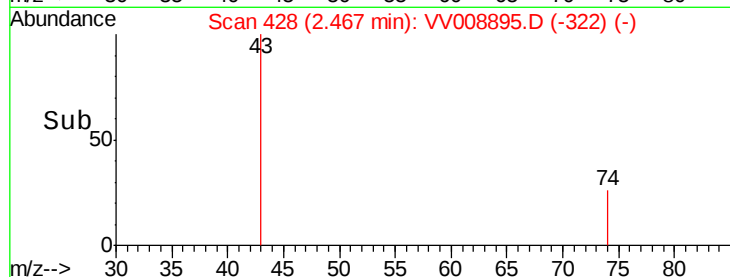
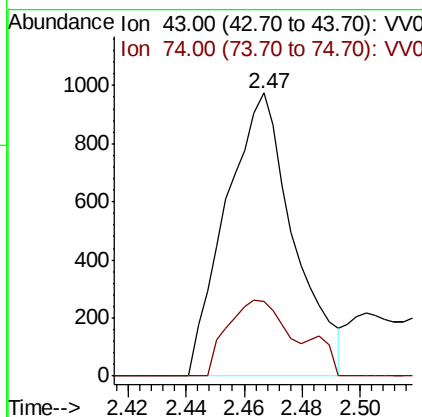
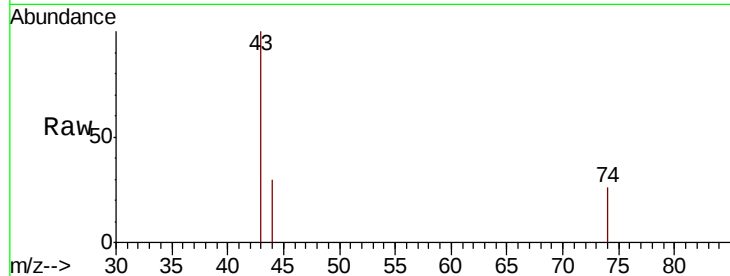
#15
Methvl Acetate
Concen: 0.885 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion: 43 Resp: 1580
Ion Ratio Lower Upper
43 100
74 23.2 19.7 29.5

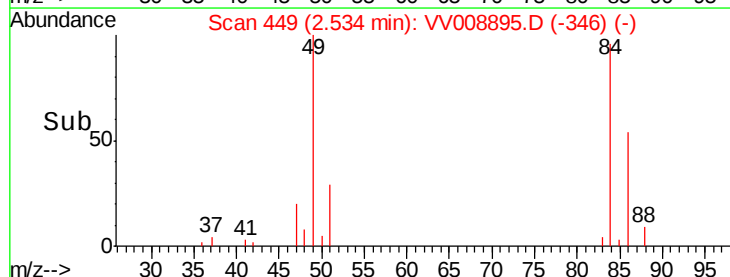
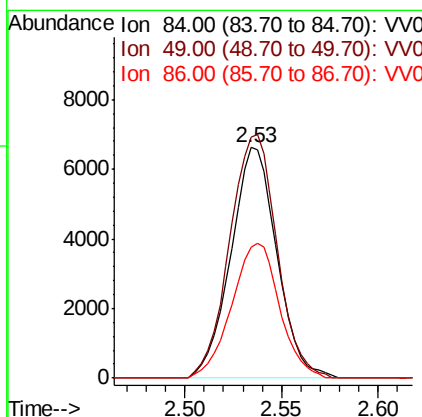
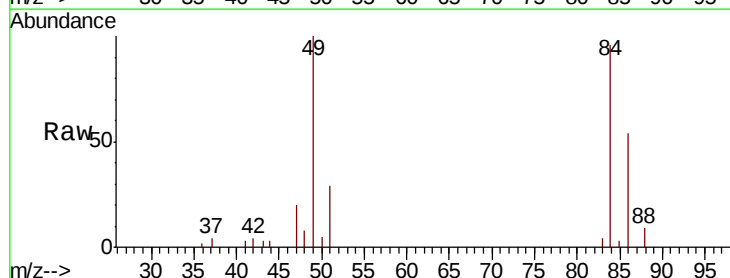
Manual Integrations
APPROVED

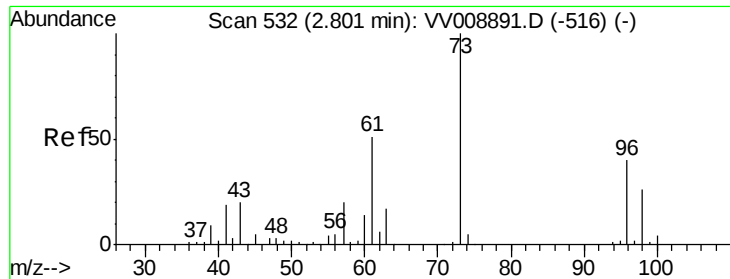
sam
12/12/2018 11:26:50 AM



#16
Methylene chloride
Concen: 2.576 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 84 Resp: 11003
Ion Ratio Lower Upper
84 100
49 104.7 80.5 149.5
86 56.9 45.5 84.5





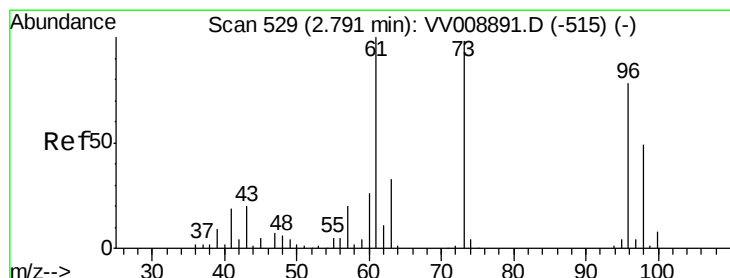
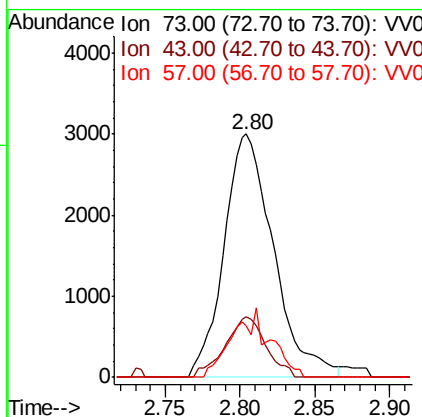
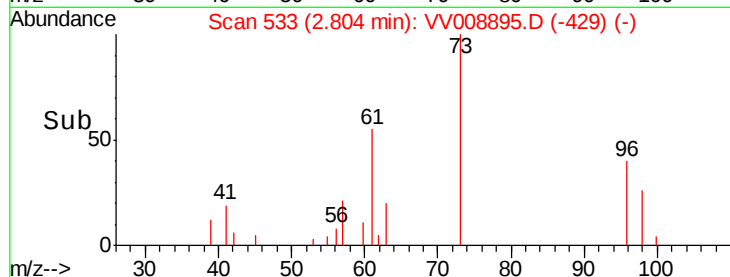
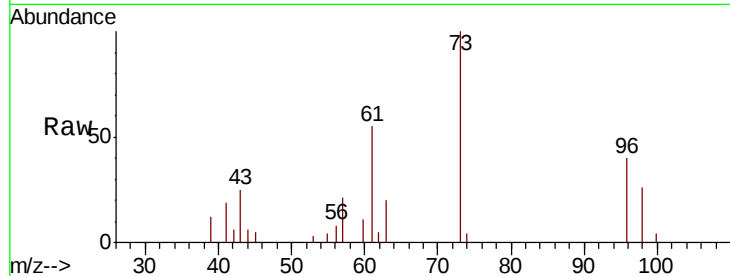
#17
Methvl tert-butvl Ether
Concen: 0.930 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.5	14.9	22.3
57	11.7	16.0	24.0#

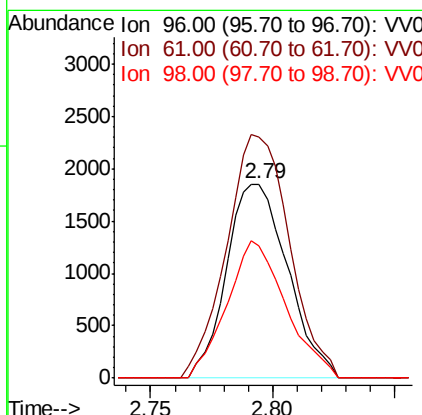
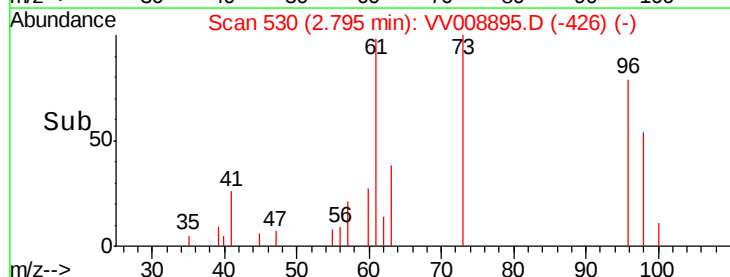
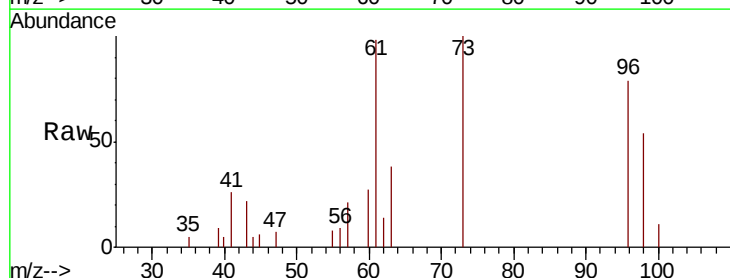
Manual Integrations
APPROVED

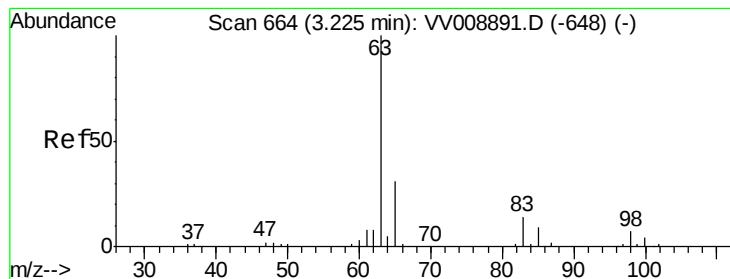
sam
12/12/2018 11:26:50 AM



#18
trans-1,2-Dichloroethene
Concen: 0.912 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.4	94.6	175.8
98	68.6	45.3	84.1





#19

1,1-Dichloroethane

Concen: 0.834 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

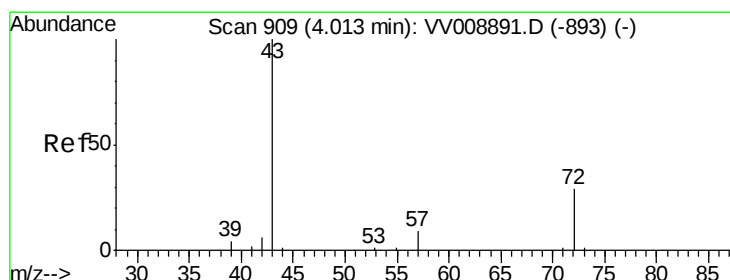
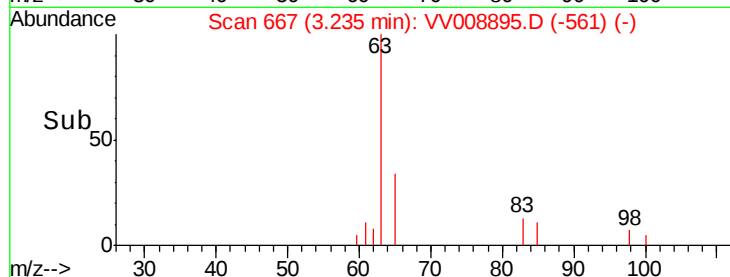
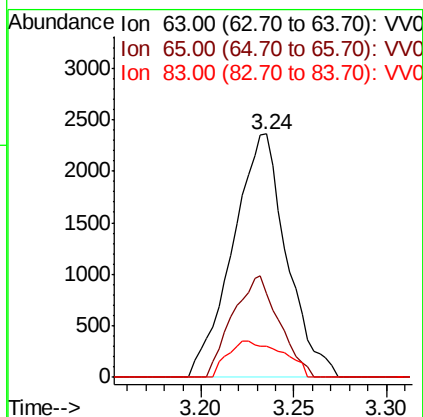
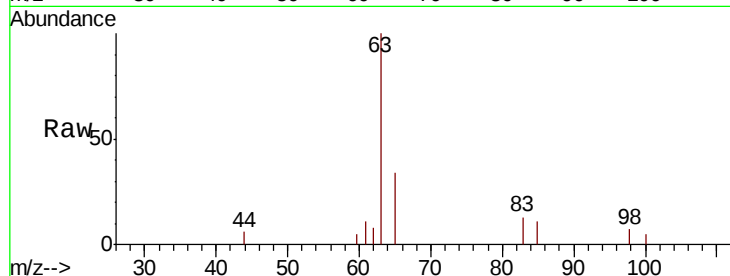
ClientSampleId :

MDL03

Tot Ion:	63	Resp:	4777
Ion	Ratio	Lower	Upper
63	100		
65	34.5	22.7	42.1
83	12.7	10.2	19.0

Manual Integrations
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#21

2-Butanone

Concen: 1.525 ug/L m

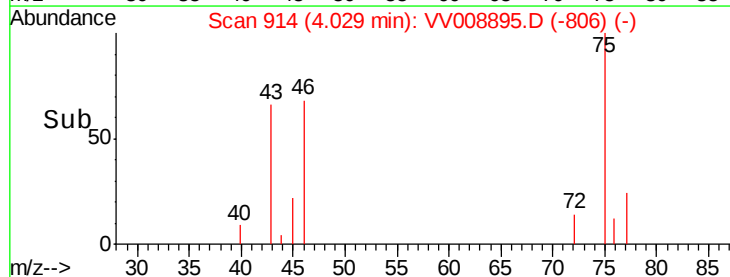
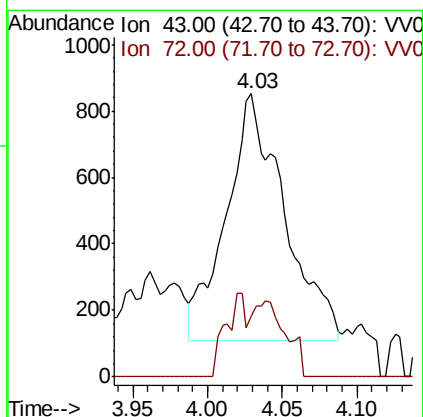
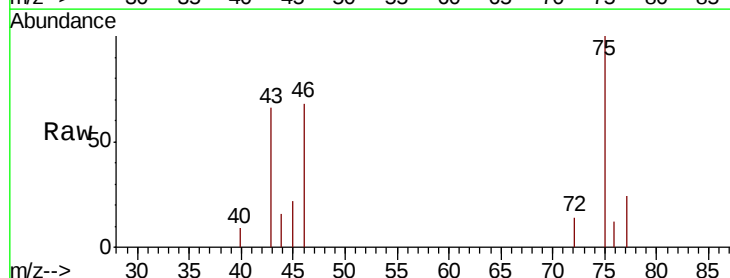
RT: 4.03 min Scan# 914

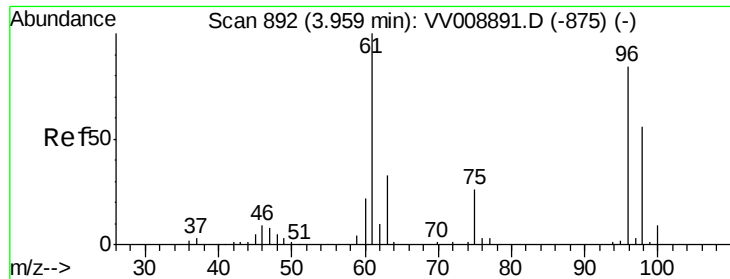
Delta R.T. 0.02 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Tgt Ion:	43	Resp:	2013
Ion	Ratio	Lower	Upper
43	100		
72	15.6	13.7	41.1





#22

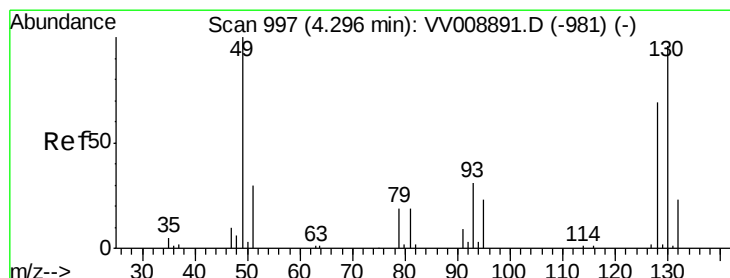
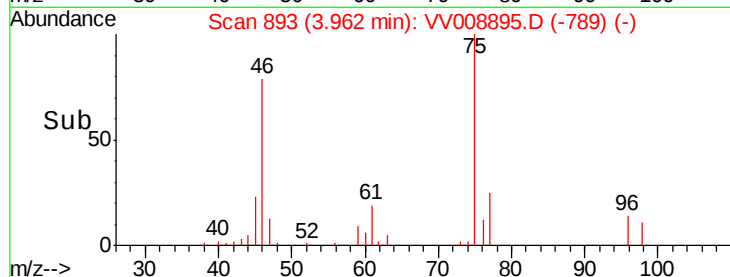
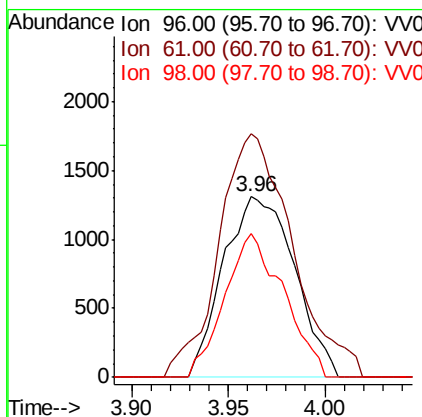
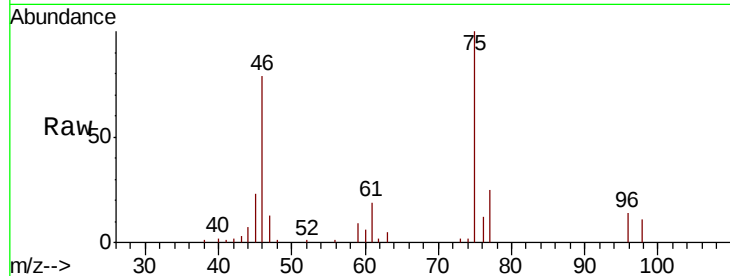
cis-1,2-Dichloroethene
Concen: 0.910 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	86.2	160.0
98	80.0	45.6	84.6

Manual Integrations
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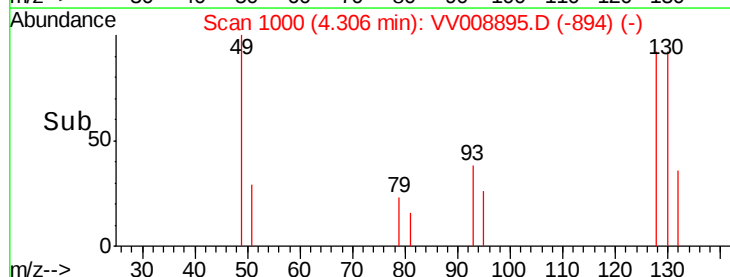
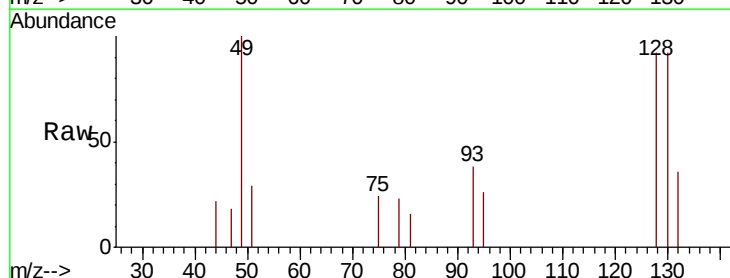
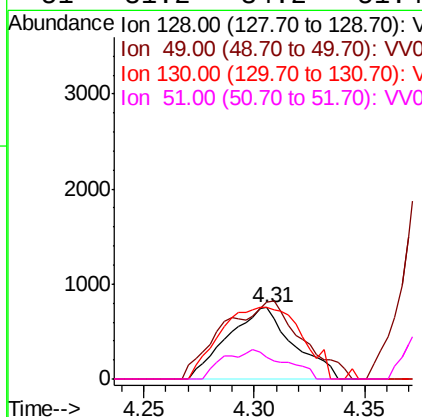
sam
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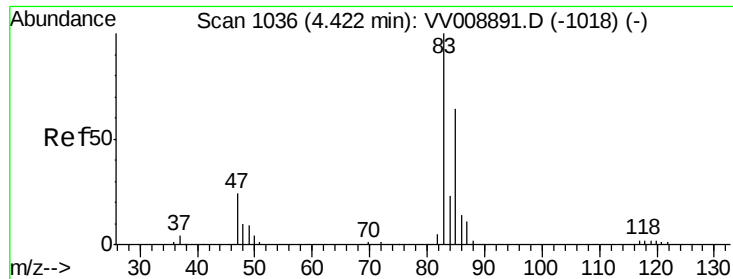


#23

Bromochloromethane
Concen: 0.890 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
128	100		
49	108.5	93.8	174.2
130	100.0	90.4	168.0
51	31.2	34.2	51.4#





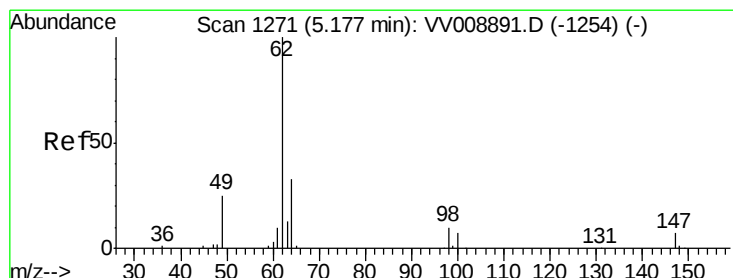
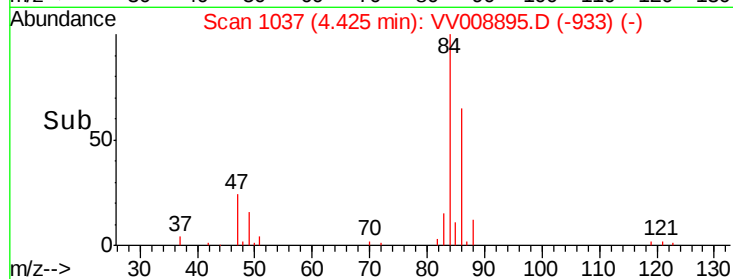
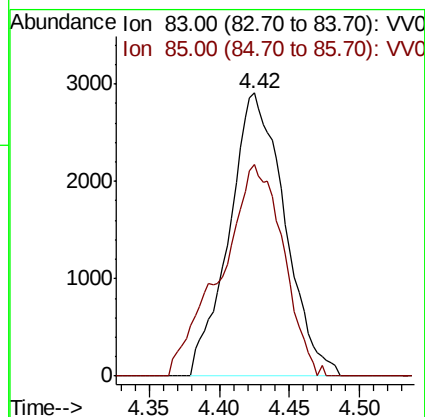
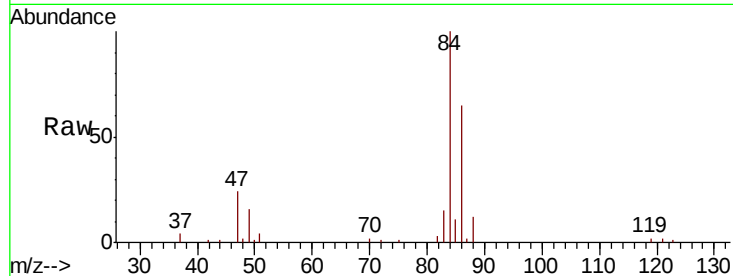
#25
Chloroform
Concen: 1.300 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 7994
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.8

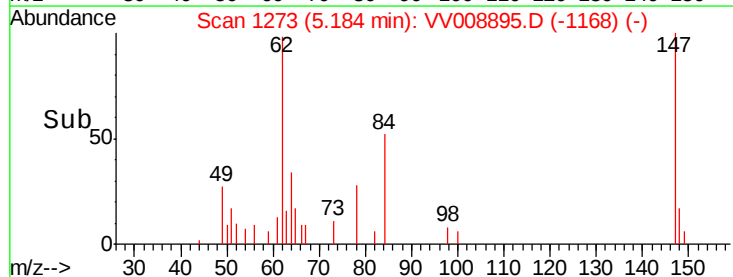
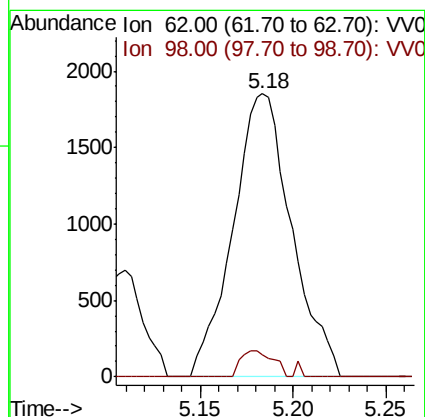
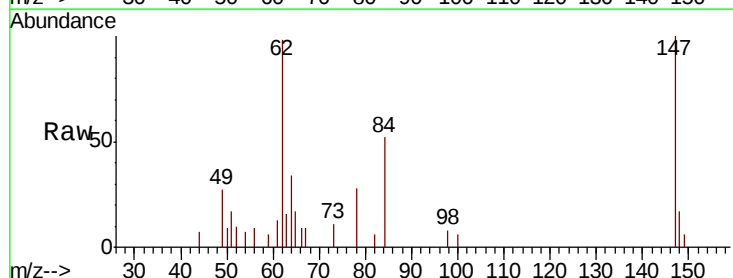
Manual Integrations
APPROVED

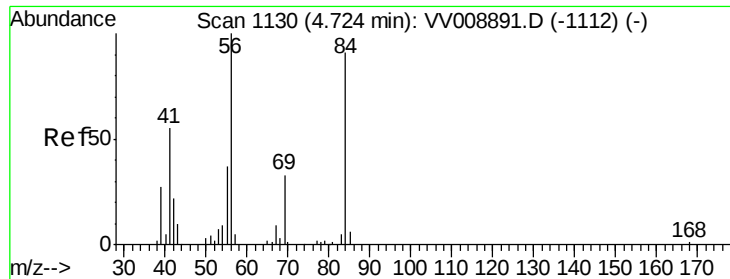
sam
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#27
1,2-Dichloroethane
Concen: 0.971 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 62 Resp: 4065
Ion Ratio Lower Upper
62 100
98 8.0 7.4 11.0





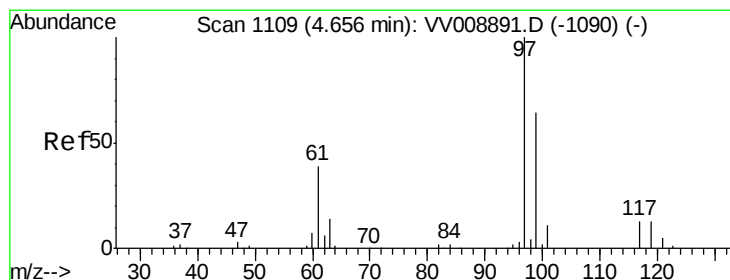
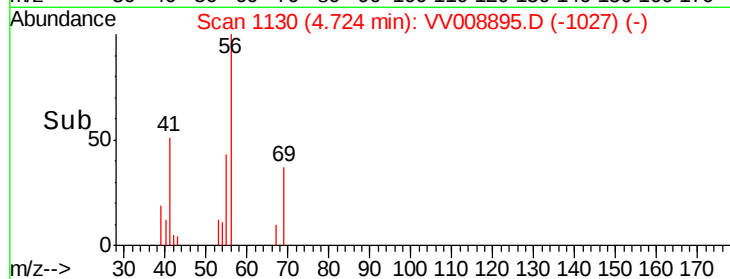
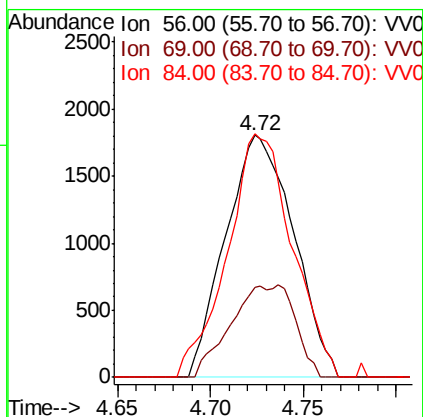
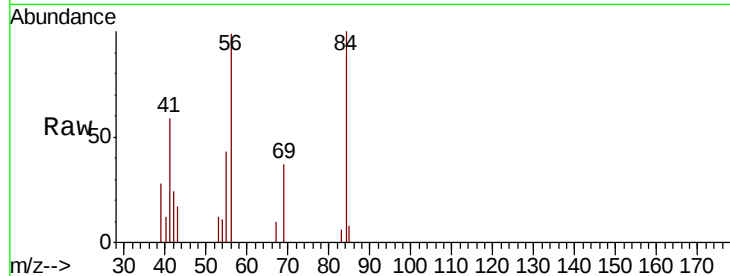
#30
Cyclohexane
Concen: 0.799 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
56	100		
69	21.4	25.8	38.8#
84	96.2	73.0	109.6

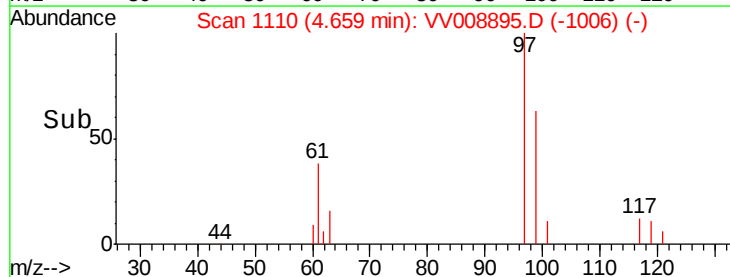
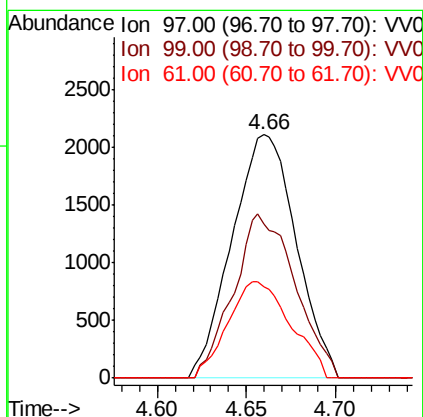
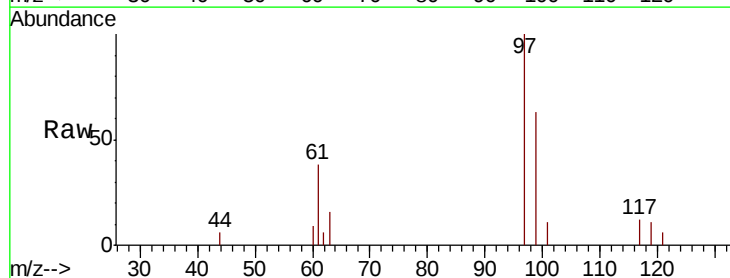
Manual Integrations
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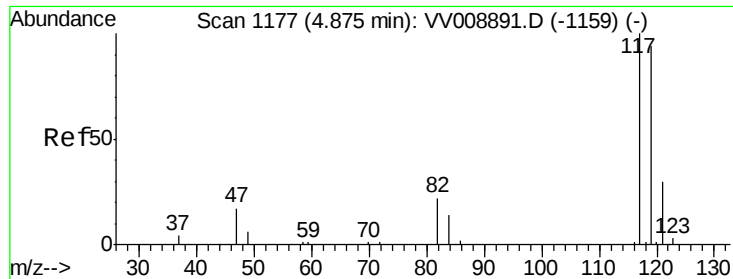
sam
12/12/2018 11:26:50 AM



#31
1,1,1-Trichloroethane
Concen: 0.899 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.9	77.9
61	38.8	33.1	49.7





#32

Carbon tetrachloride

Concen: 0.815 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tot Ion:117 Resp: 4387

Ion Ratio Lower Upper

117 100

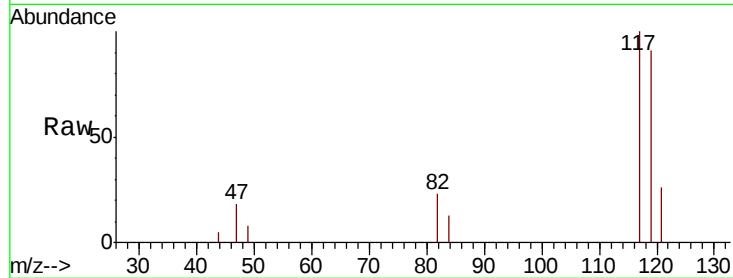
119 96.4 77.1 115.7

Manual Integrations

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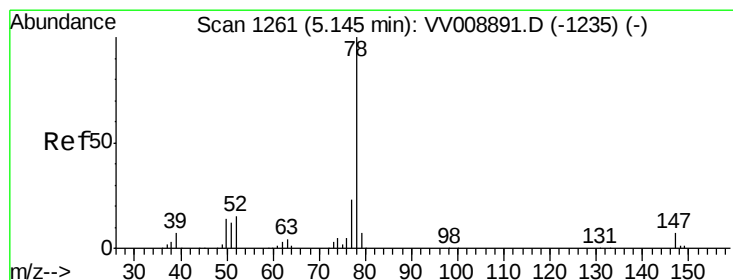
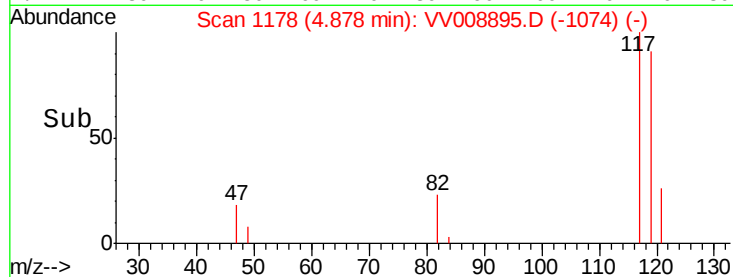
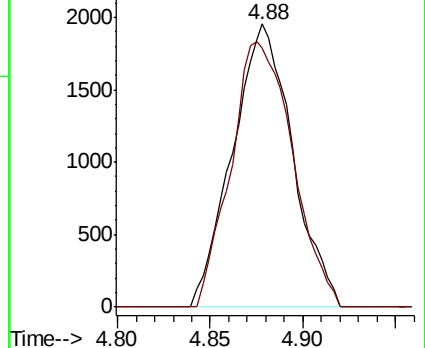
sam

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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: 0.832 ug/L

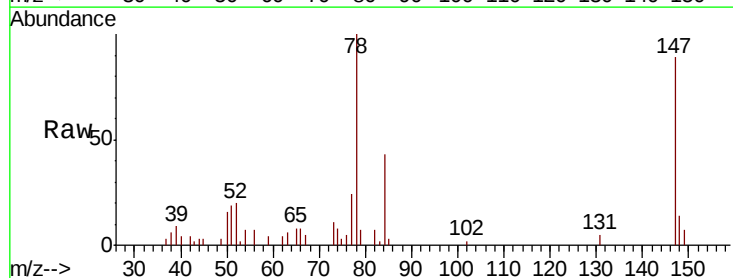
RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

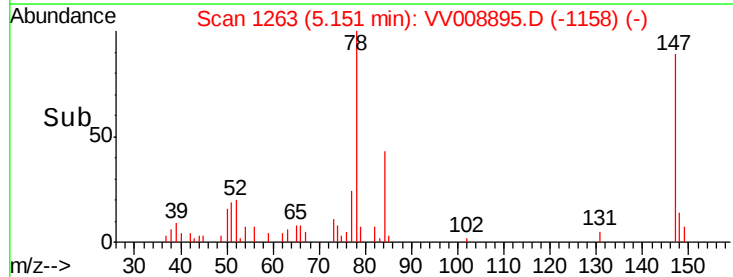
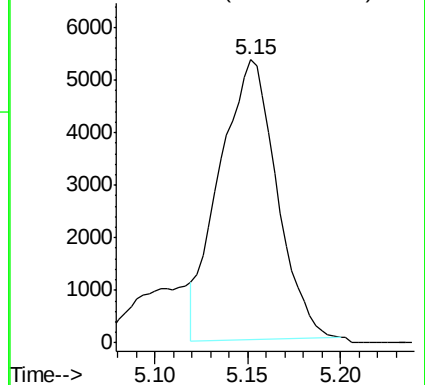
Lab File: VV008895.D

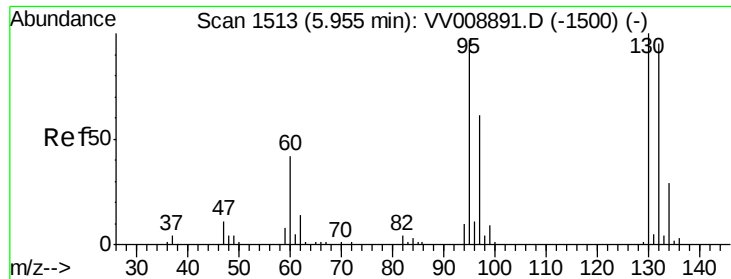
Acq: 11 Dec 2018 13:04

Tgt Ion: 78 Resp: 11396



Abundance Ion 78.00 (77.70 to 78.70): VV0





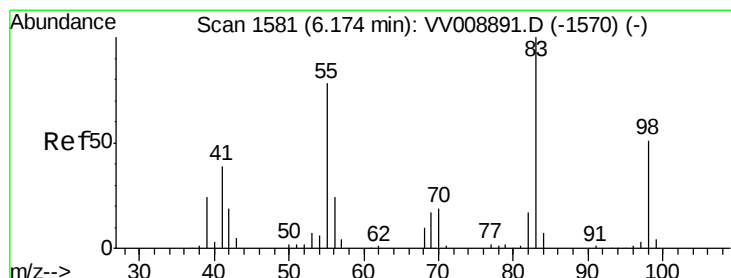
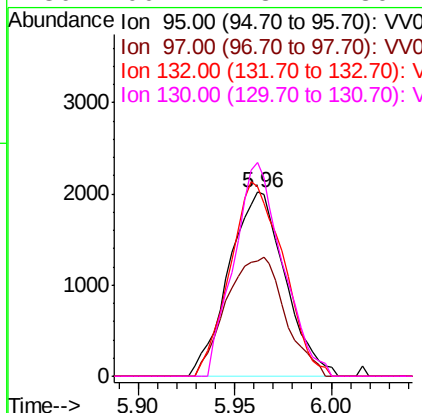
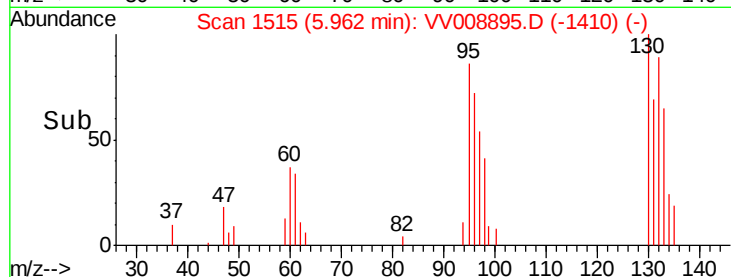
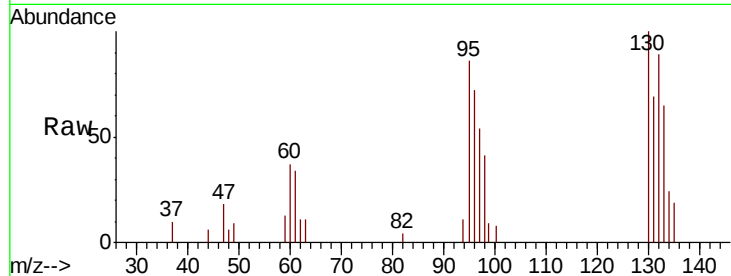
#35
 Trichloroethene
 Concen: 0.989 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
95	100		
97	67.4	45.3	84.1
132	100.4	70.0	130.0
130	100.2	73.4	136.4

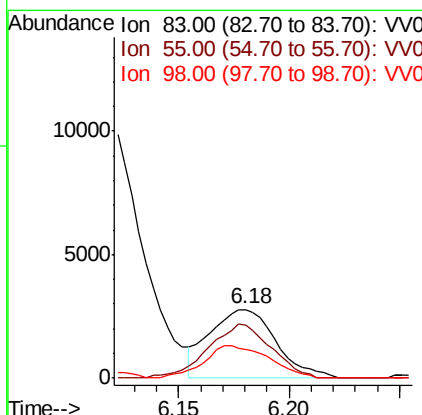
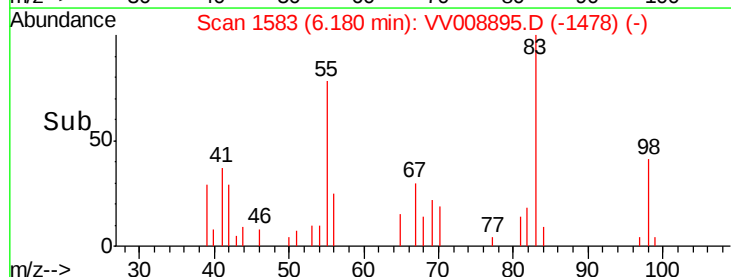
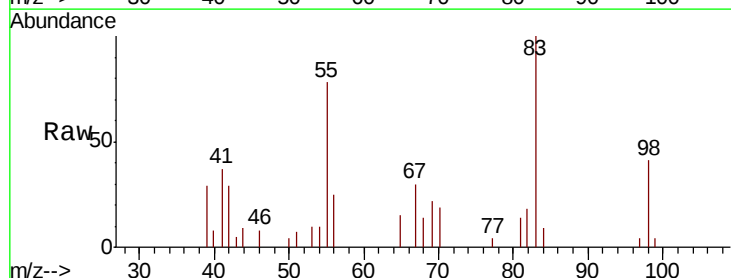
Manual Integrations
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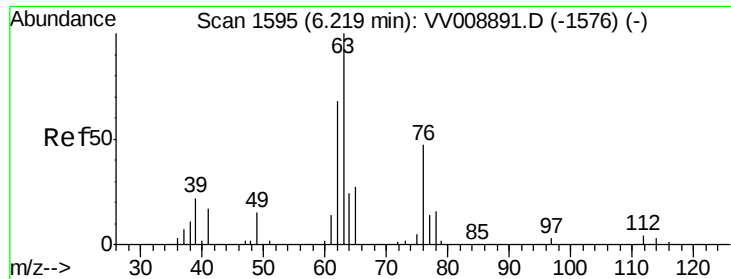
sam
 12/12/2018 11:26:50 AM



#36
 Methylcyclohexane
 Concen: 0.882 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.2	58.2	87.2
98	46.4	37.8	56.8





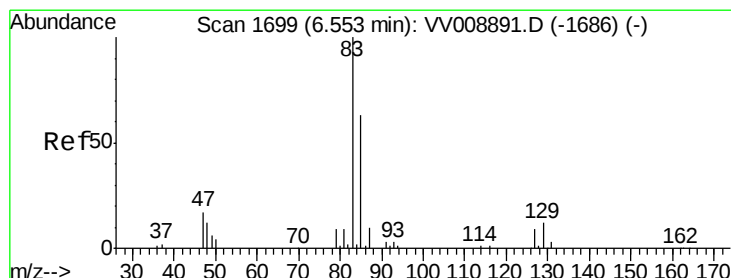
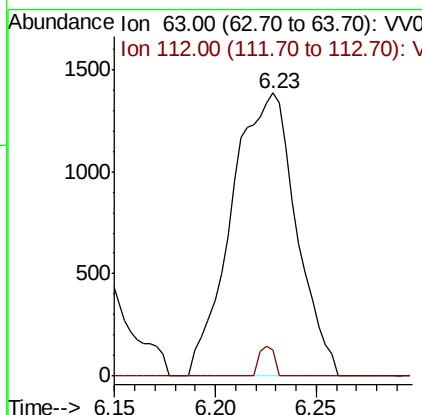
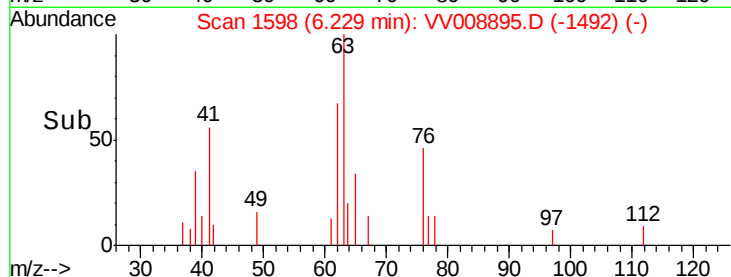
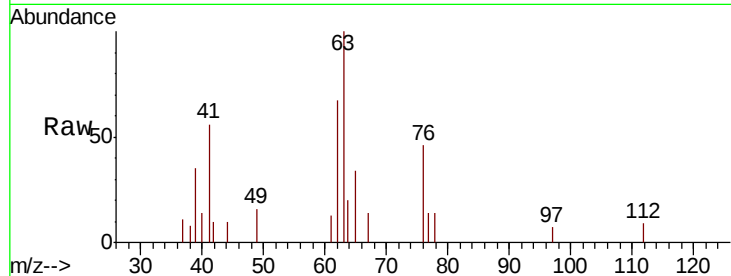
#40
 1,2-Dichloropropane
 Concen: 0.941 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 63 Resp: 3093
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.8 5.8#

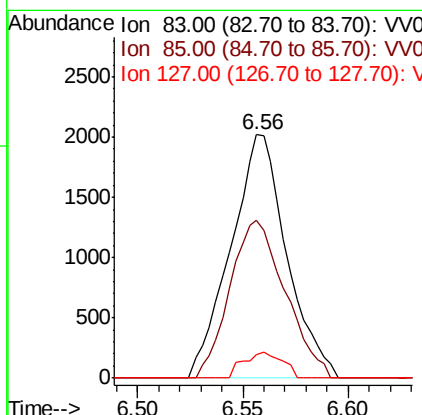
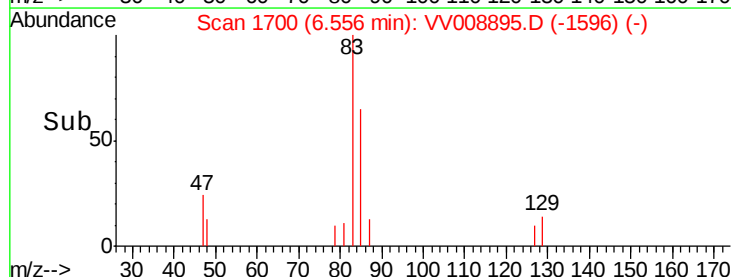
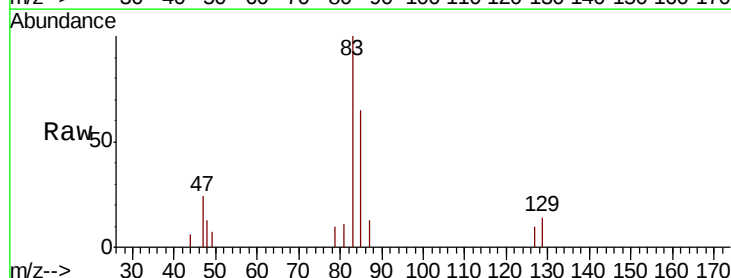
Manual Integrations
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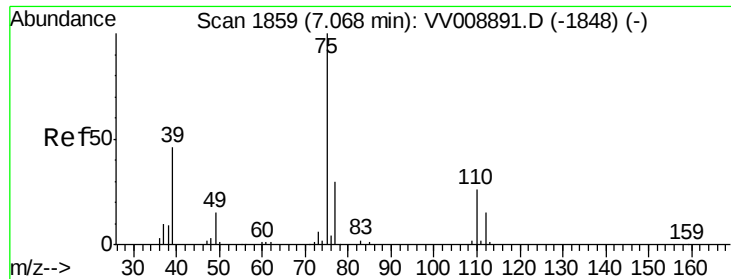
sam
 12/12/2018 11:26:50 AM



#41
 Bromodichloromethane
 Concen: 0.861 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion: 83 Resp: 3728
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.3 84.1
 127 9.7 7.2 10.8





#42

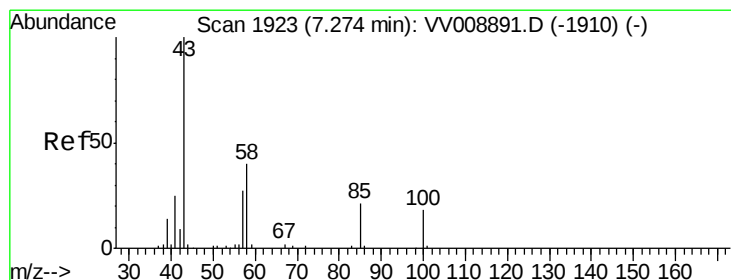
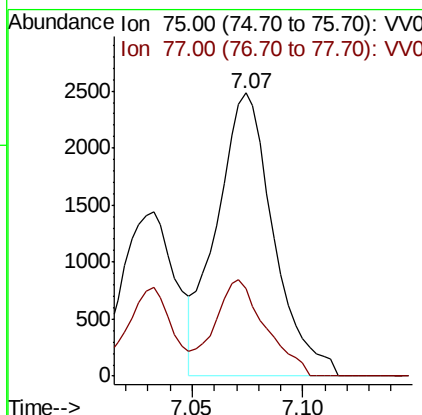
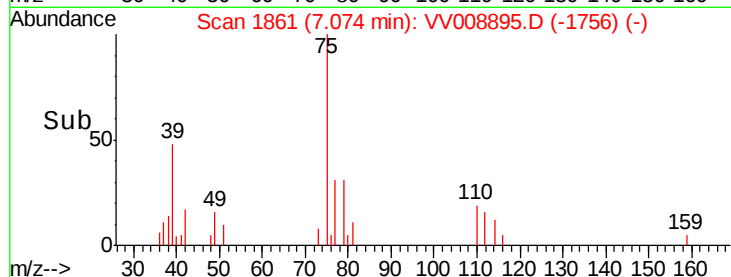
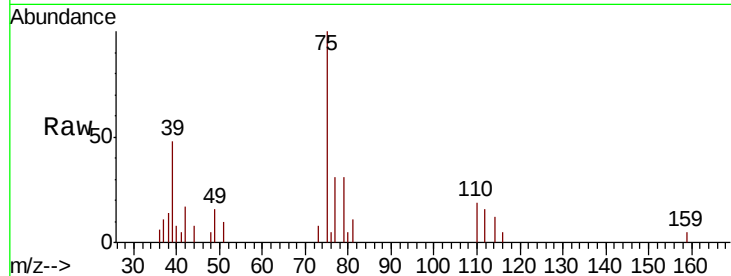
cis-1,3-Dichloropropene
Concen: 0.921 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion: 75 Resp: 4434
Ion Ratio Lower Upper
75 100
77 30.8 21.3 39.6

Manual Integrations
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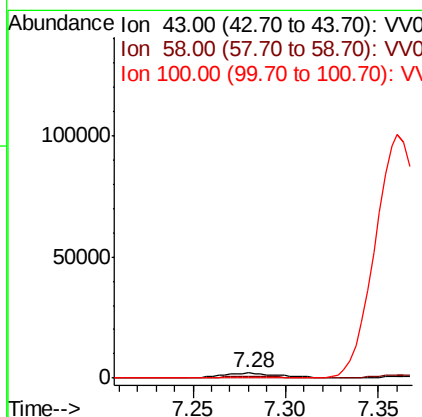
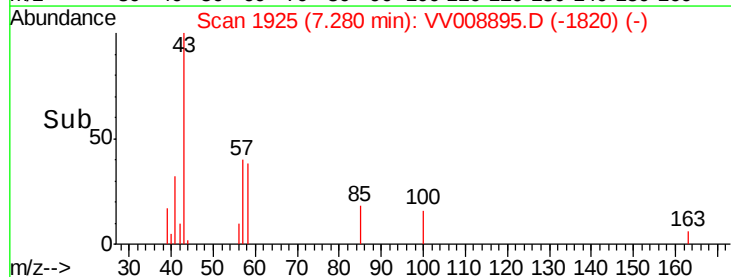
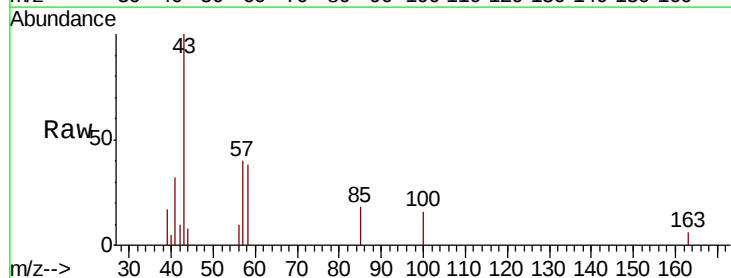
sam
12/12/2018 11:26:50 AM

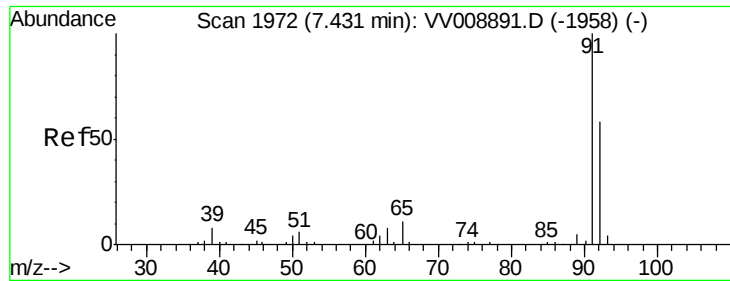


#43

4-Methyl-2-pentanone
Concen: 2.120 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 43 Resp: 4709
Ion Ratio Lower Upper
43 100
58 37.0 32.2 48.4
100 8.8 13.8 20.8#





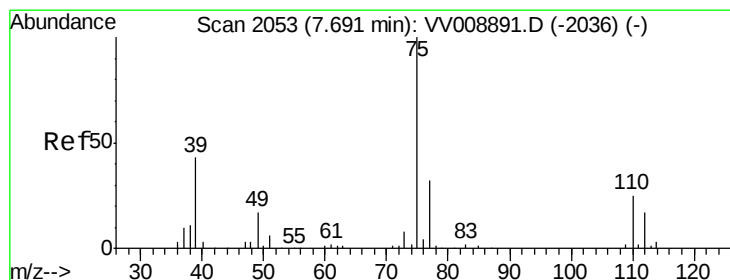
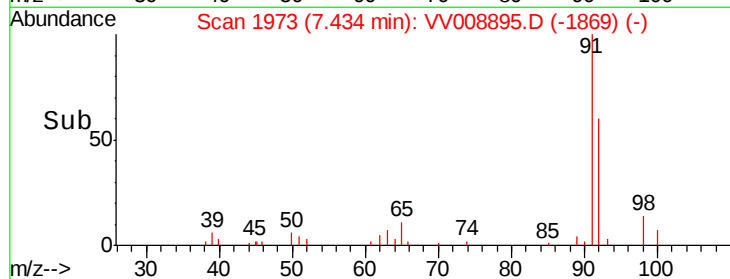
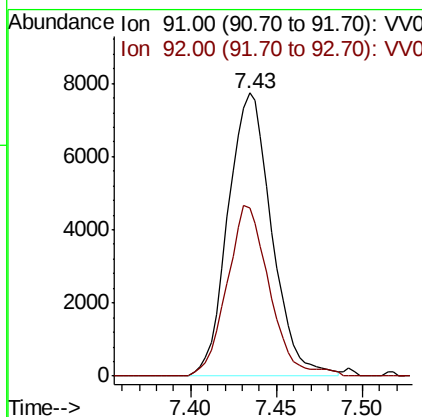
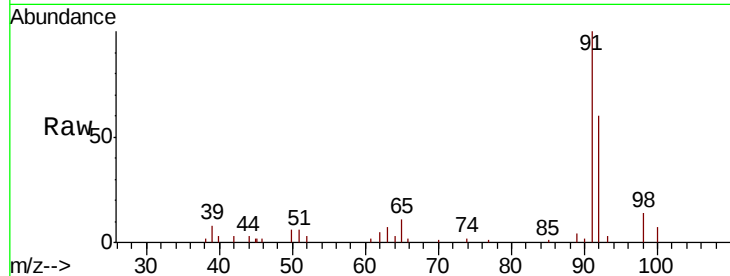
#44
Toluene
Concen: 0.948 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tot Ion: 91 Resp: 13618
Ion Ratio Lower Upper
91 100
92 59.6 41.7 77.5

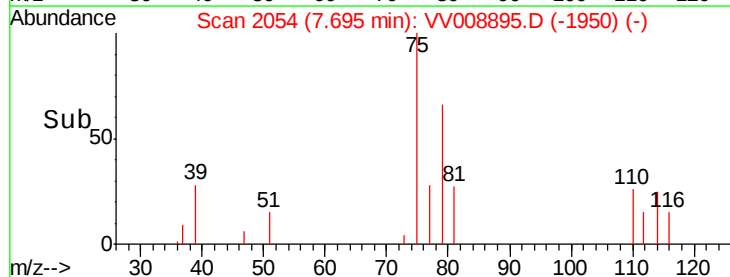
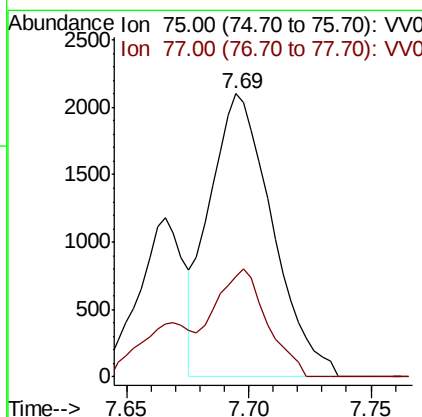
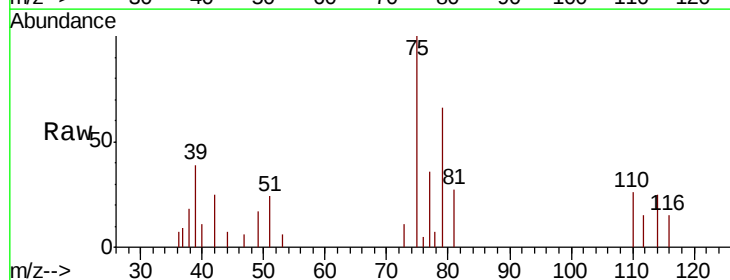
Manual Integrations
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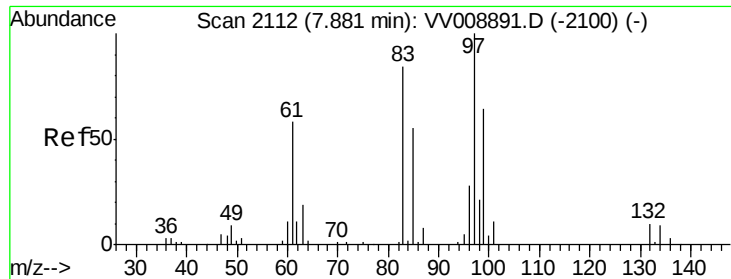
sam
12/12/2018 11:26:50 AM



#45
trans-1,3-Dichloropropene
Concen: 0.894 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion: 75 Resp: 3750
Ion Ratio Lower Upper
75 100
77 35.7 23.6 43.8





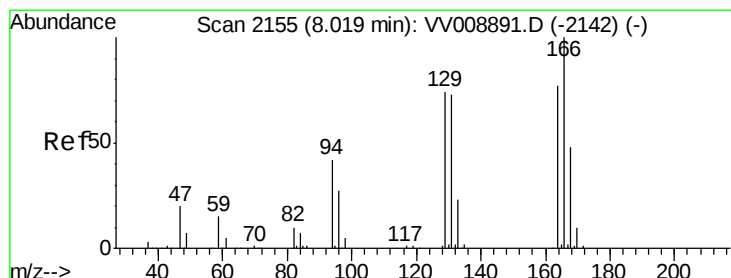
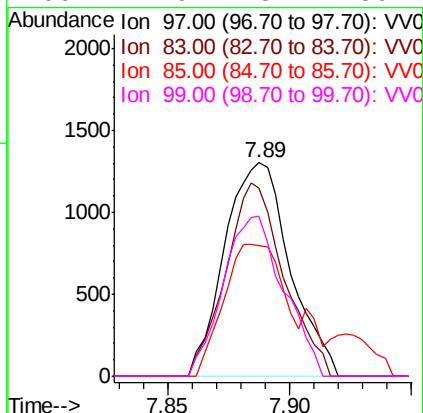
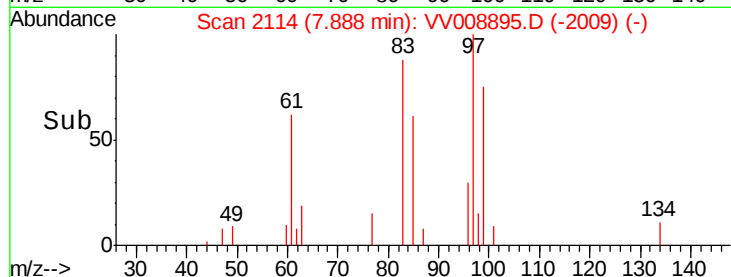
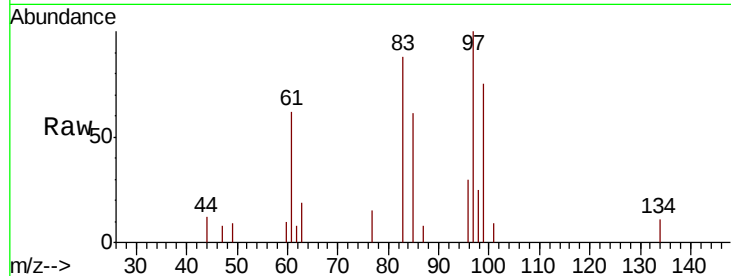
#46
1,1,2-Trichloroethane
Concen: 0.884 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:	97	Resp:	2422
Ion	Ratio	Lower	Upper
97	100		
83	88.4	56.6	105.2
85	60.9	36.6	68.0
99	74.9	43.2	80.2

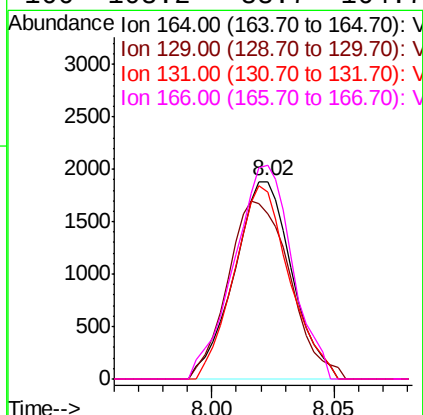
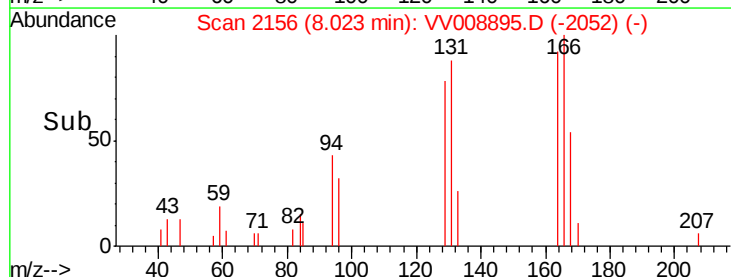
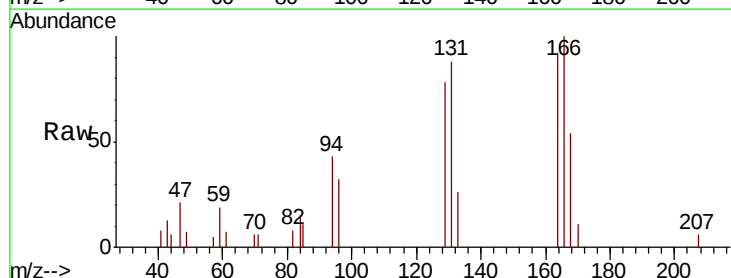
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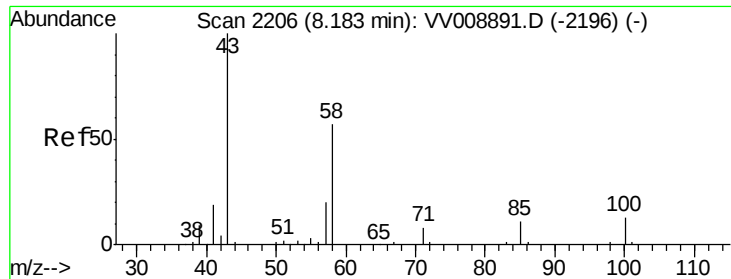
sam
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#47
Tetrachloroethene
Concen: 0.919 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion:	164	Resp:	3086
Ion	Ratio	Lower	Upper
164	100		
129	84.0	64.6	120.0
131	94.7	64.5	119.7
166	108.2	88.7	164.7





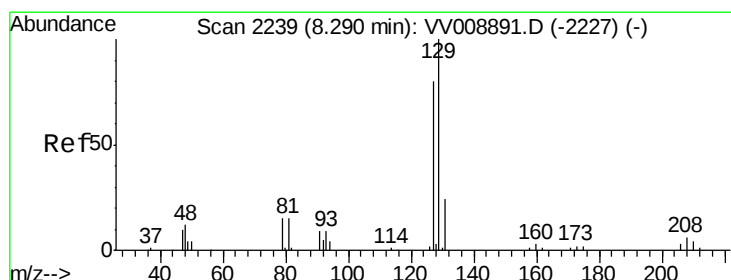
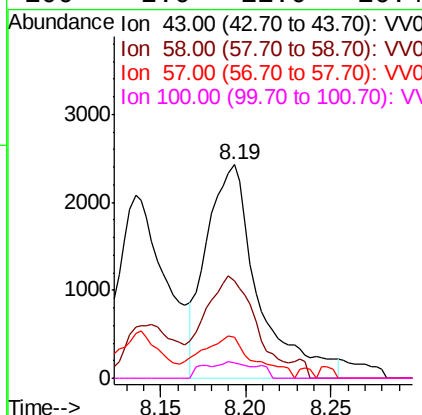
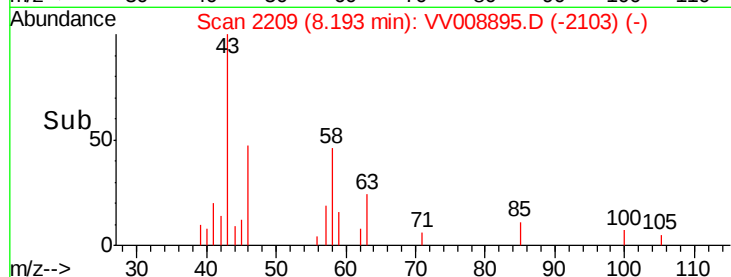
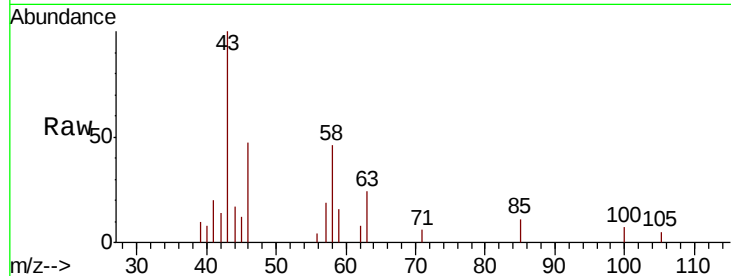
#49
2-Hexanone
Concen: 2.773 ug/L m
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.9	43.9	65.9
57	20.4	15.7	23.5
100	2.0	11.0	16.4

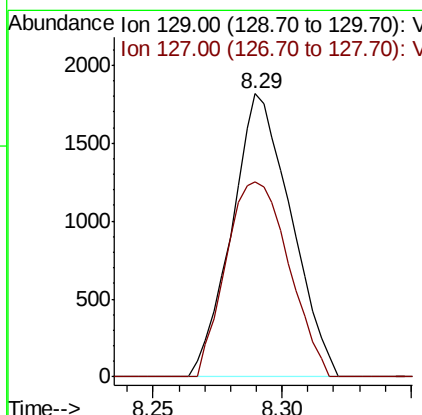
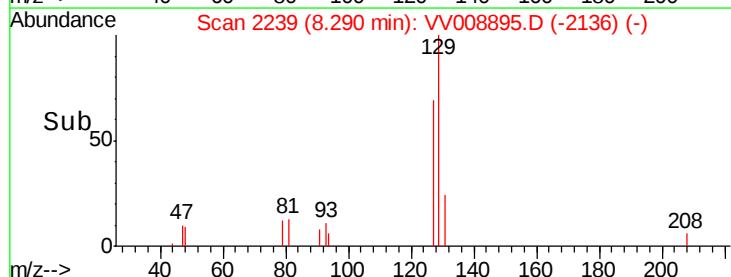
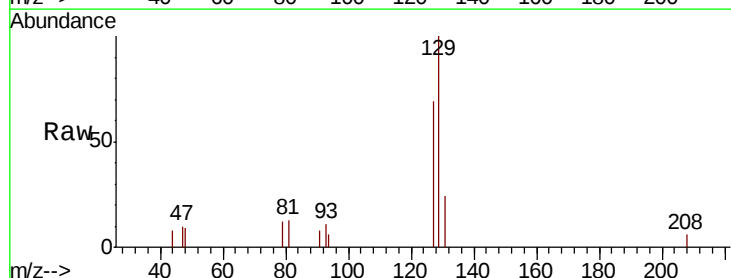
Manual Integrations
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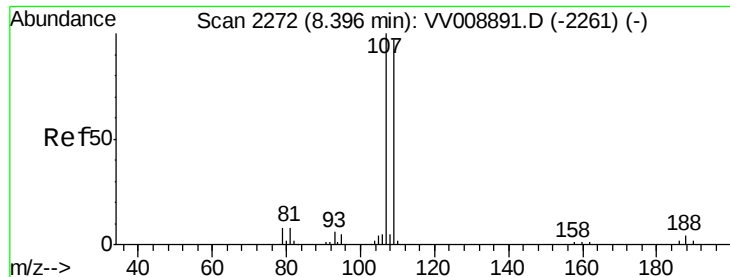
sam
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#50
Dibromochloromethane
Concen: 0.925 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	68.7	53.5	99.3





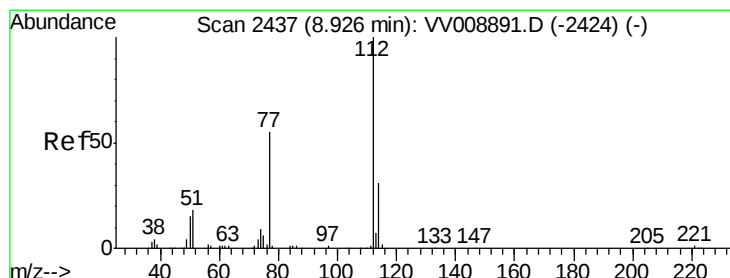
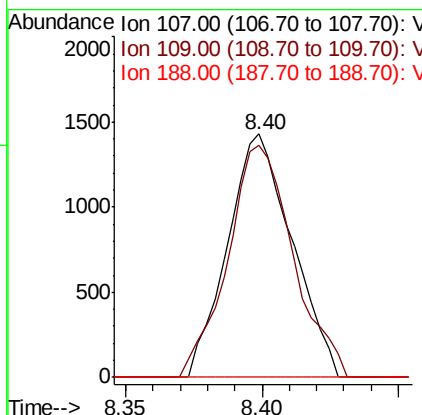
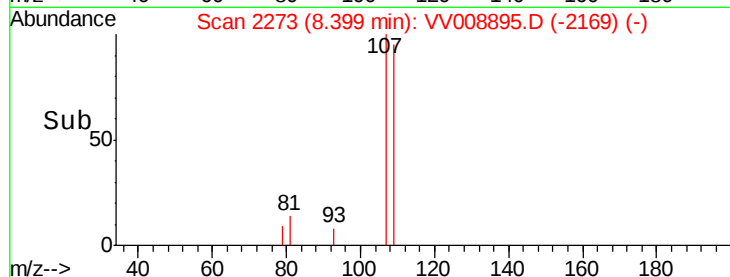
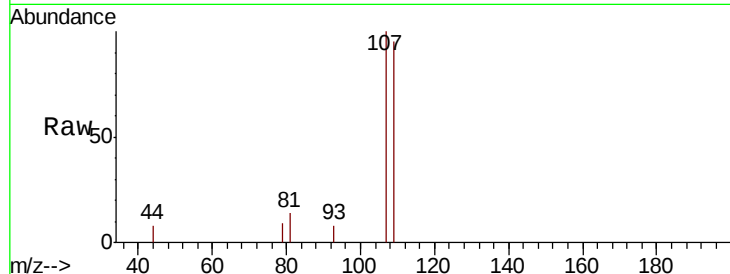
#51
 1,2-Dibromoethane
 Concen: 0.851 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	65.8	122.2
188	0.0	3.0	4.6#

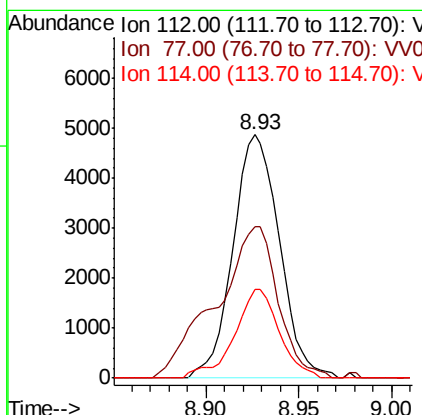
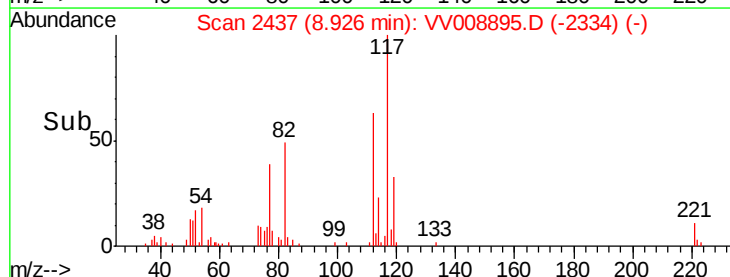
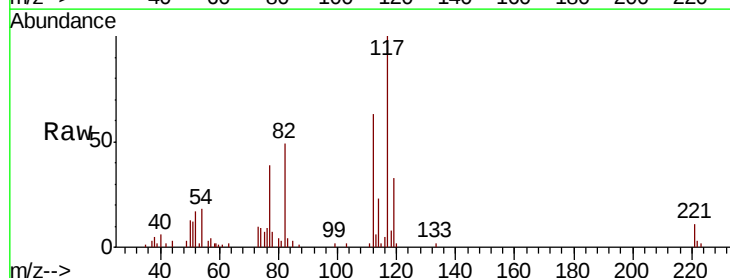
Manual Integrations
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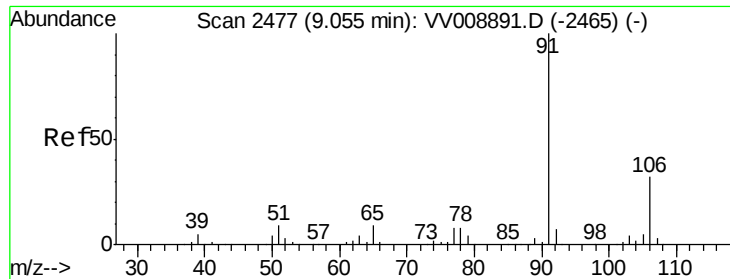
sam
 12/12/2018 11:26:50 AM



#52
 Chlorobenzene
 Concen: 0.907 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
112	100		
77	62.1	44.6	66.8
114	36.6	22.6	42.0





#53

Ethylbenzene

Concen: 0.869 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Tot Ion: 91 Resp: 13540

Ion Ratio Lower Upper

91 100

106 31.4 21.3 39.5

Instrument :

MSVOA_V

ClientSampleId :

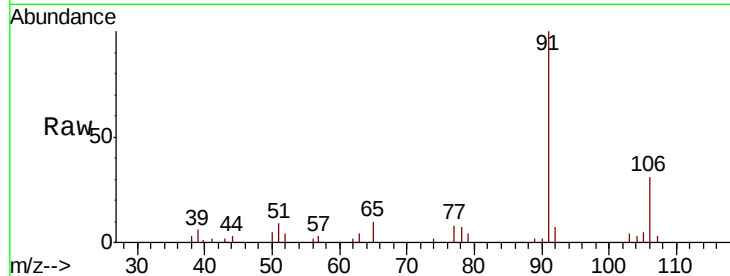
MDL03

Manual Integrations

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sam

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Abundance Ion 91.00 (90.70 to 91.70): VV008895.D (-2477) (-)

Ion 106.00 (105.70 to 106.70): VV008895.D (-2478) (-)

9.06

8000

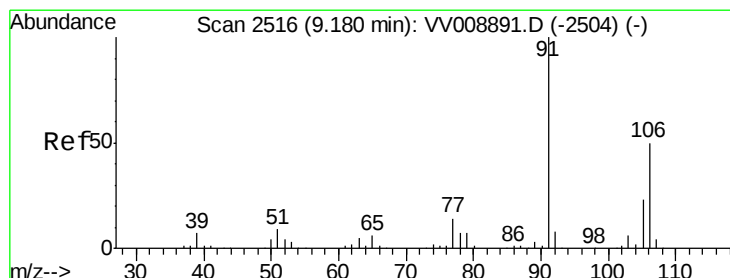
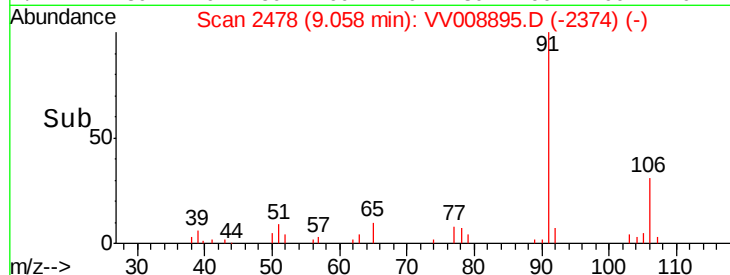
6000

4000

2000

0

Time-->



#54

m,p-Xylene

Concen: 0.832 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008895.D

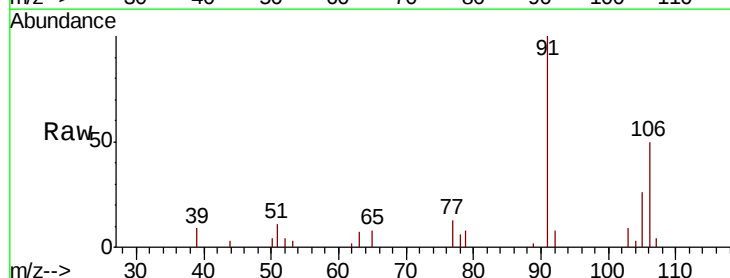
Acq: 11 Dec 2018 13:04

Tgt Ion: 106 Resp: 4911

Ion Ratio Lower Upper

106 100

91 199.6 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008895.D (-2516) (-)

Ion 91.00 (90.70 to 91.70): VV008895.D (-2517) (-)

9.18

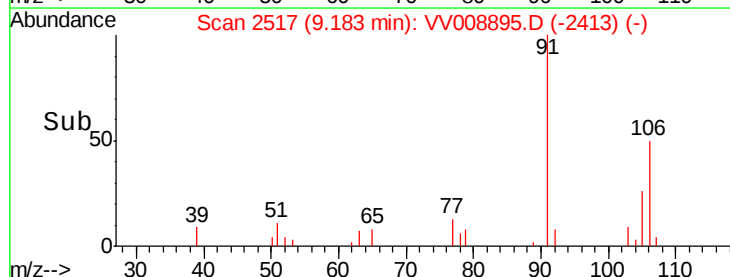
6000

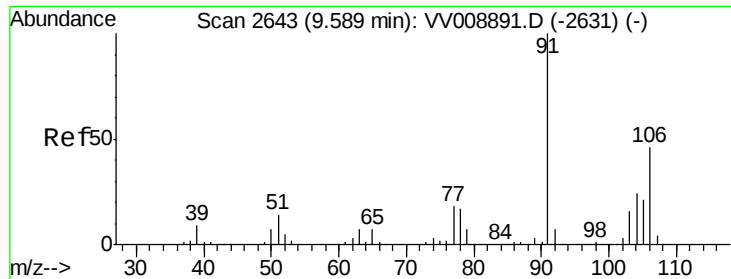
4000

2000

0

Time-->





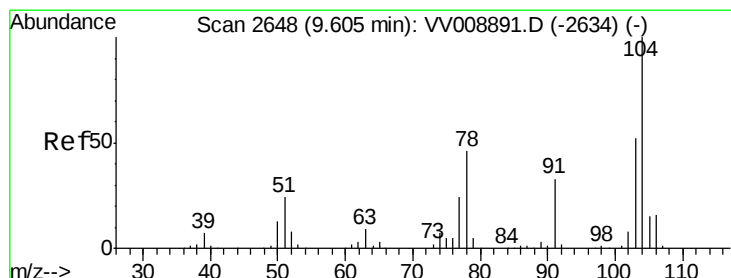
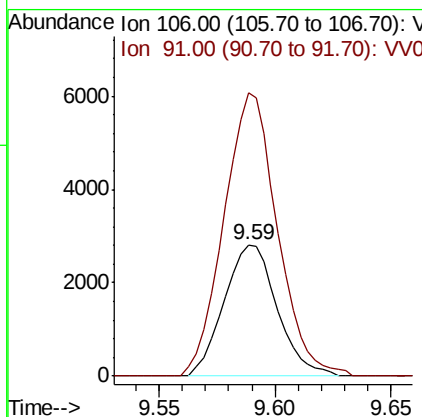
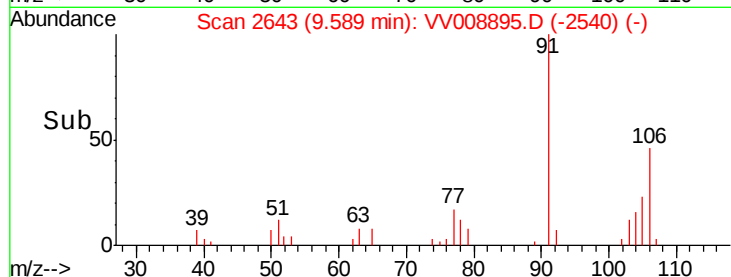
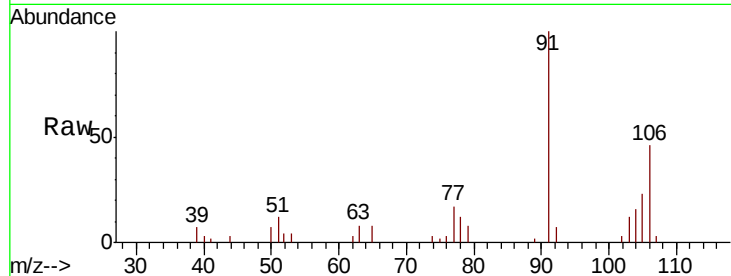
#55
o-xylene
Concen: 0.814 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tot Ion:106 Resp: 4464
Ion Ratio Lower Upper
106 100
91 215.5 148.3 275.5

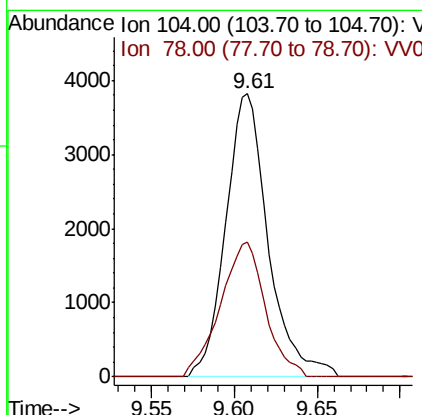
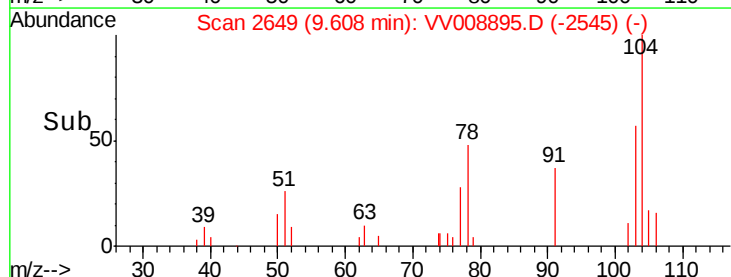
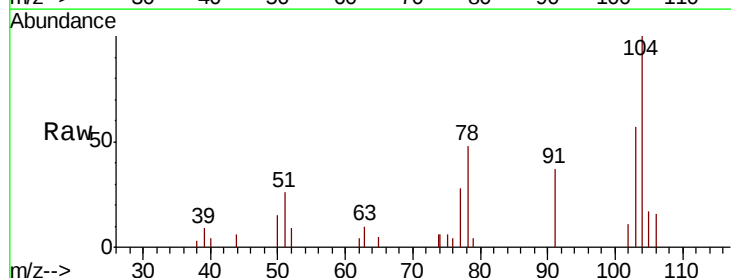
Manual Integrations
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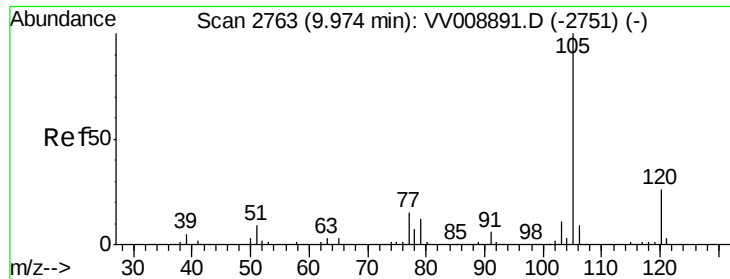
sam
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#56
Styrene
Concen: 0.770 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008895.D
Acq: 11 Dec 2018 13:04

Tgt Ion:104 Resp: 6811
Ion Ratio Lower Upper
104 100
78 47.8 30.6 56.8





#57

Isopropylbenzene

Concen: 0.827 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

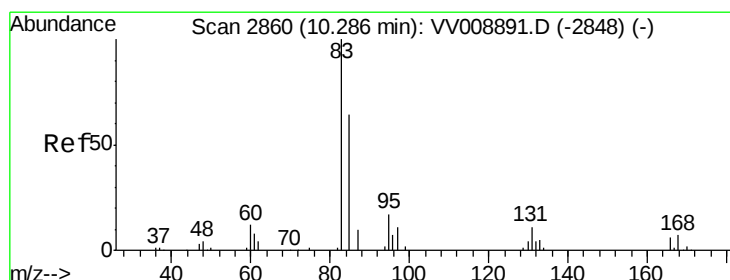
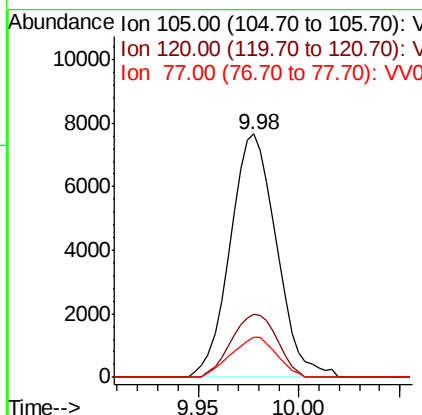
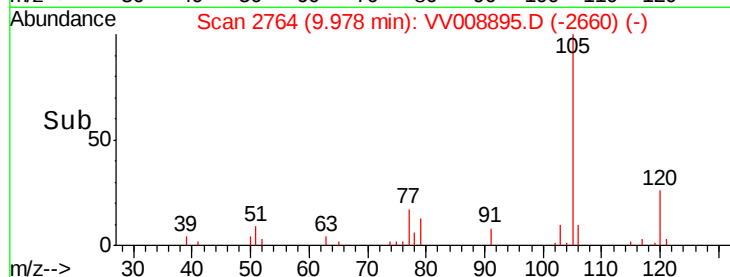
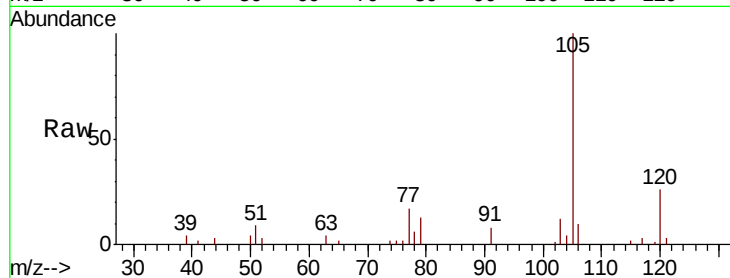
ClientSampleID :

MDL03

Tot Ion:	105	Resp:	12322
Ion Ratio	Lower	Upper	
105	100		
120	25.6	21.7	32.5
77	16.2	12.4	18.6

Manual Integrations
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sam
12/12/2018 11:26:50 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.921 ug/L

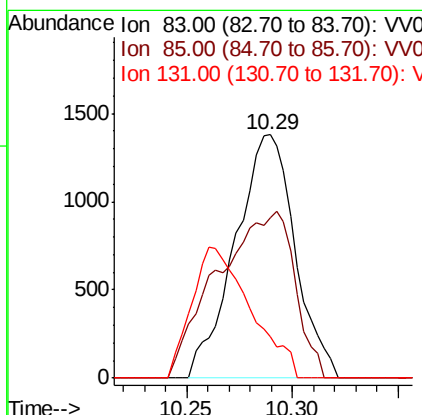
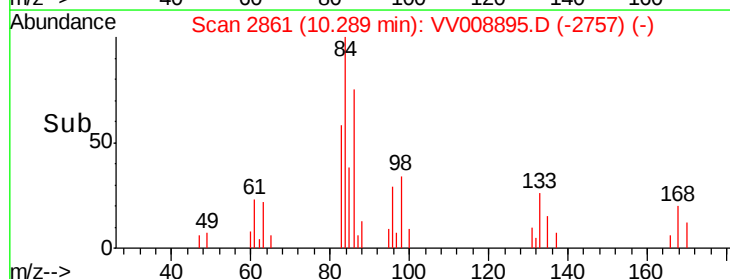
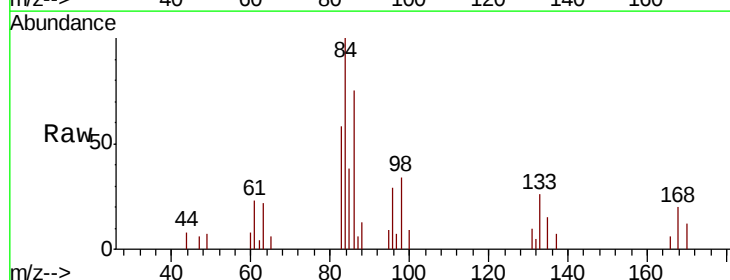
RT: 10.29 min Scan# 2861

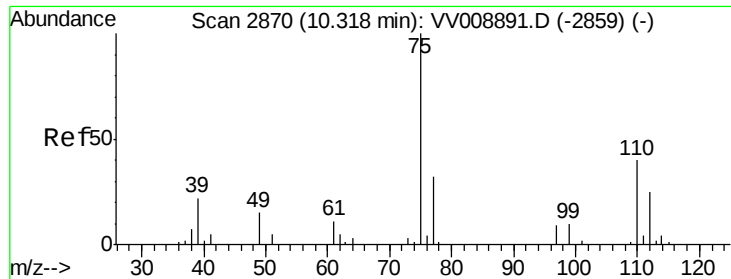
Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Tgt Ion:	83	Resp:	2727
Ion Ratio	Lower	Upper	
83	100		
85	66.0	44.3	82.3
131	17.1	7.8	11.8#





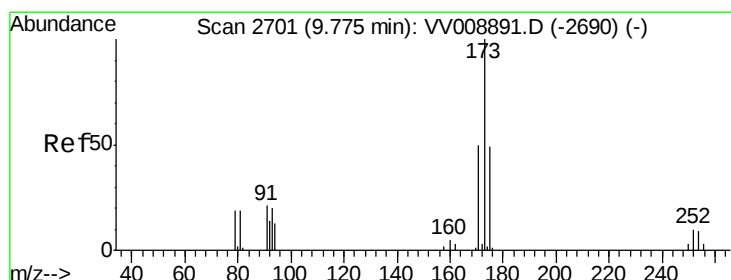
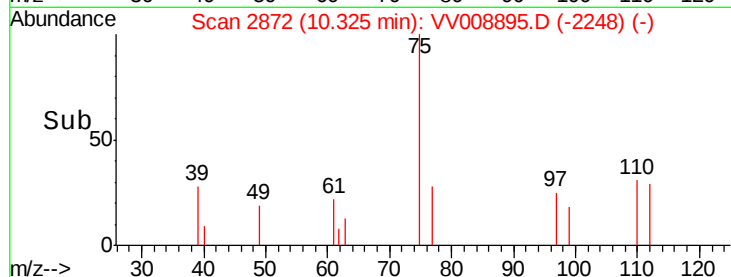
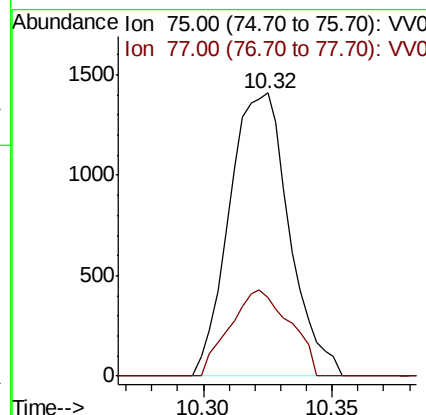
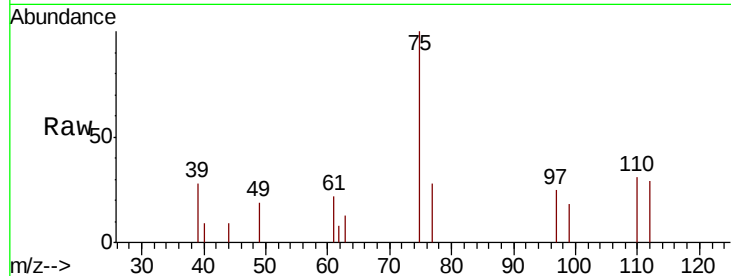
#59
 1,2,3-Trichloropropane
 Concen: 0.890 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.01 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 2281
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4

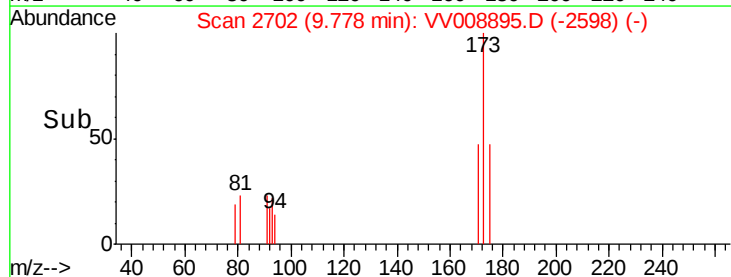
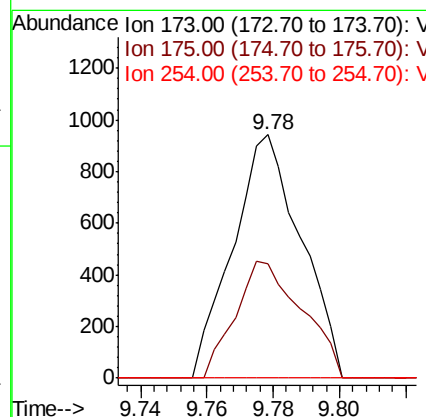
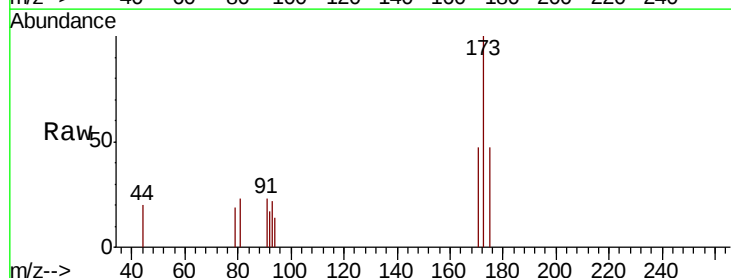
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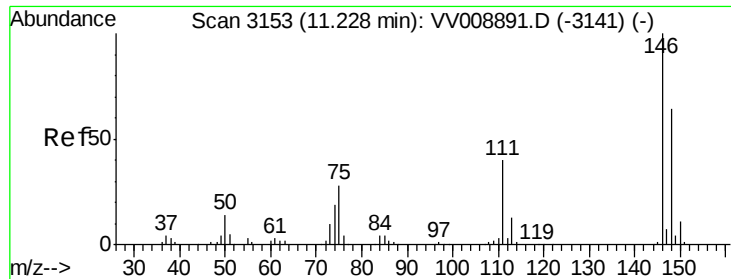
sam
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#62
 Bromoform
 Concen: 0.822 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion: 173 Resp: 1350
 Ion Ratio Lower Upper
 173 100
 175 46.8 37.7 56.5
 254 0.0 7.1 10.7#





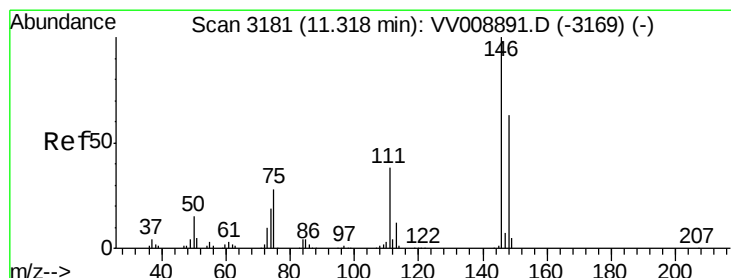
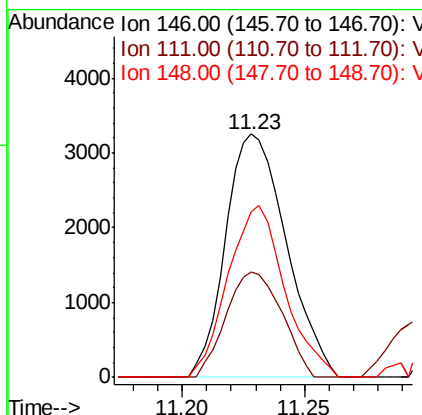
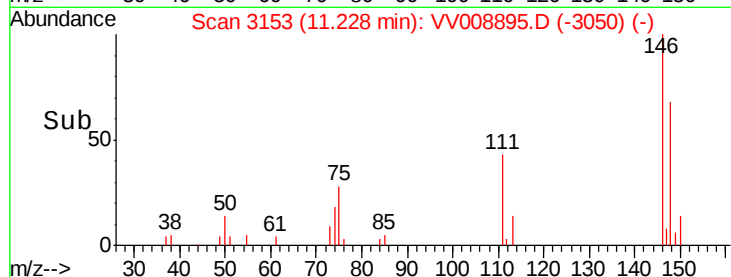
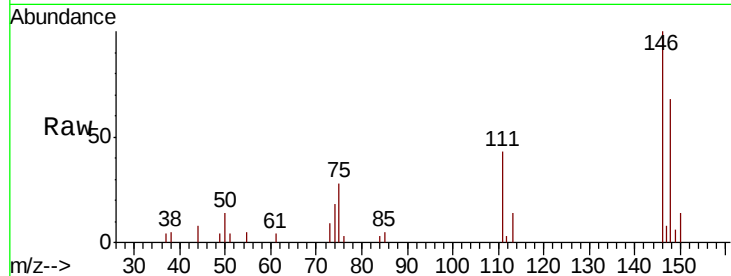
#63
 1,3-Dichlorobenzene
 Concen: 0.958 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	27.5	51.1
148	67.9	44.0	81.8

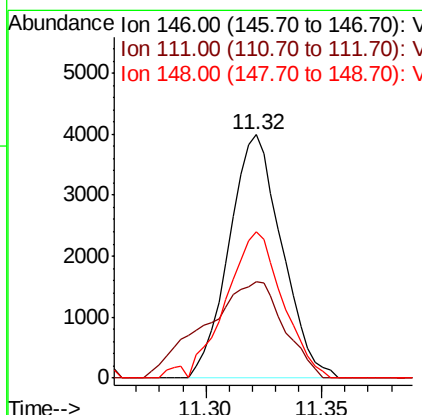
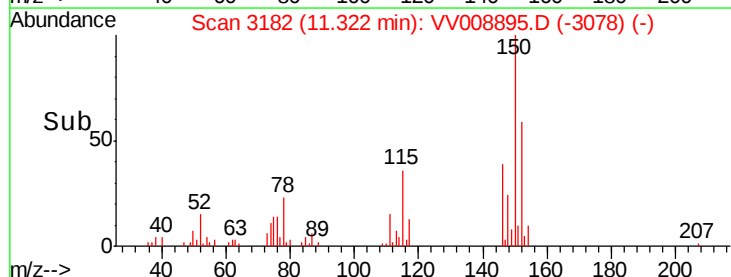
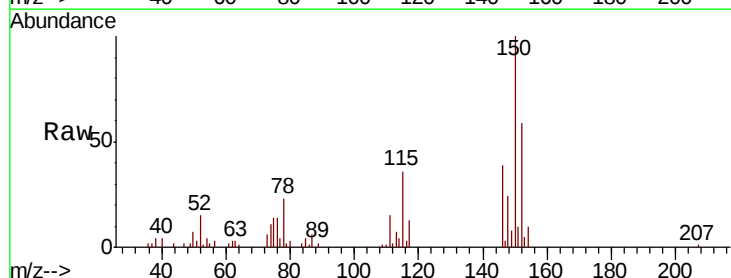
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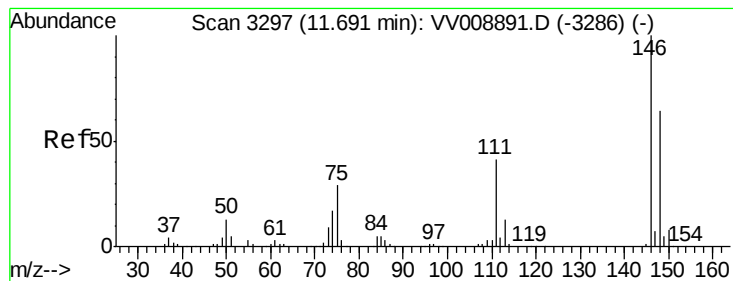
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#64
 1,4-Dichlorobenzene
 Concen: 1.046 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	26.8	49.8
148	60.2	45.8	85.0





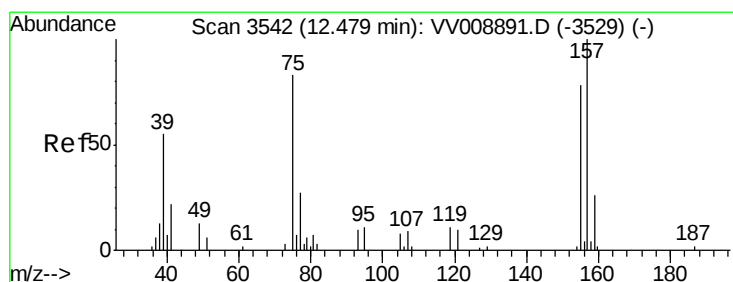
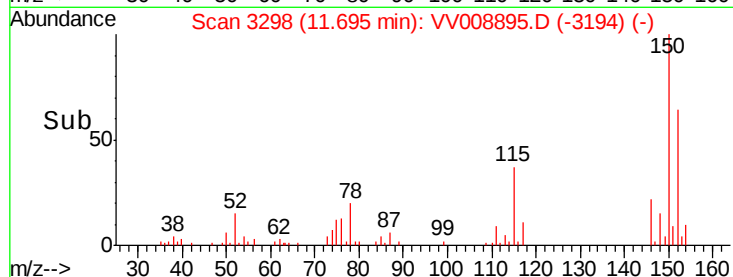
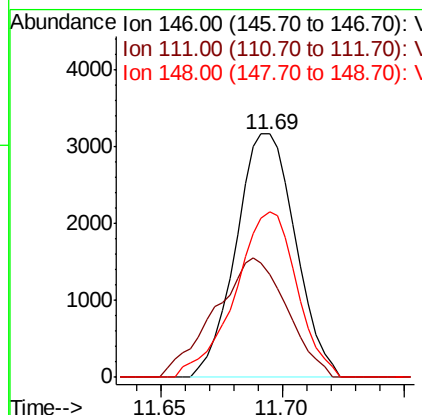
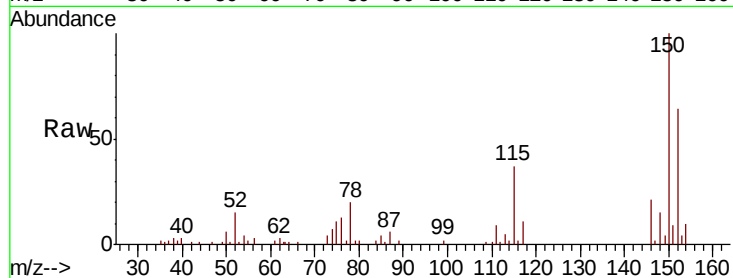
#65
 1,2-Dichlorobenzene
 Concen: 0.986 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	34.2	51.4
148	68.2	51.0	76.6

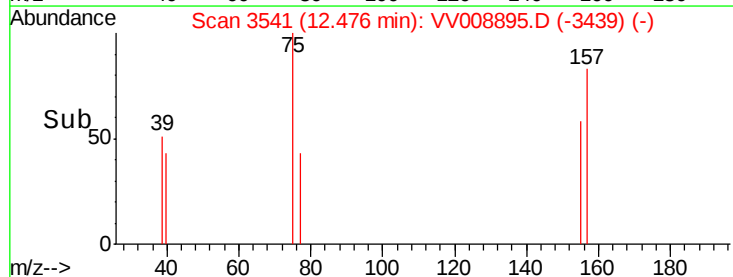
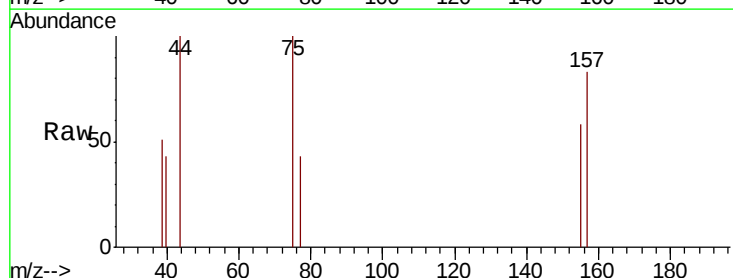
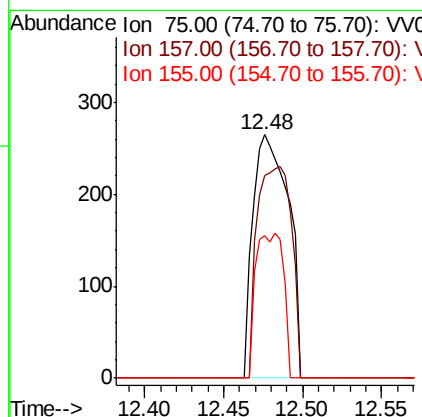
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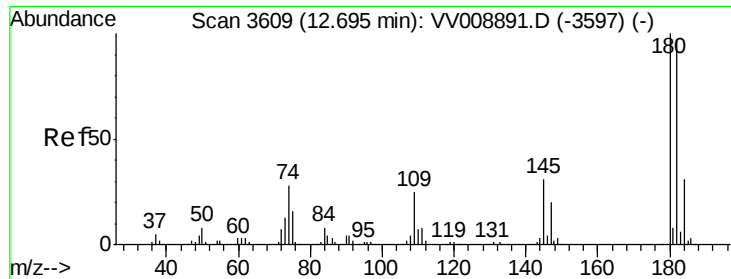
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.921 ug/L m
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
157	83.0	95.8	143.6#
155	58.5	71.4	107.2#





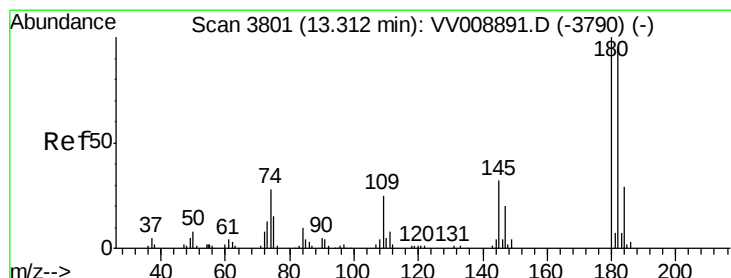
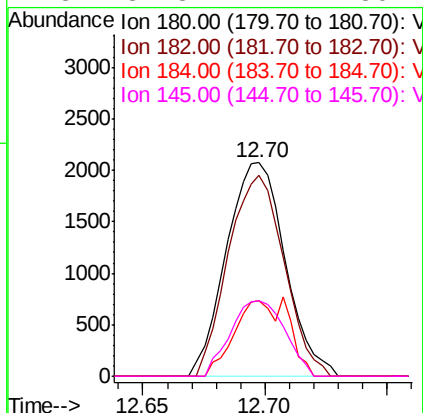
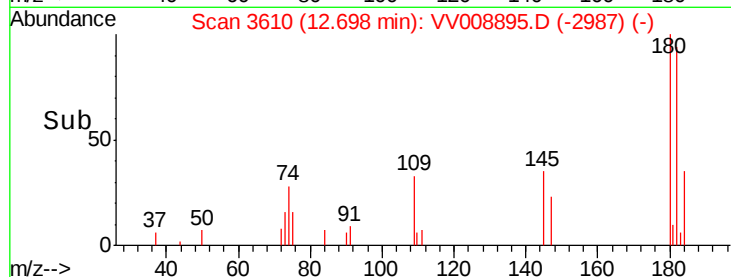
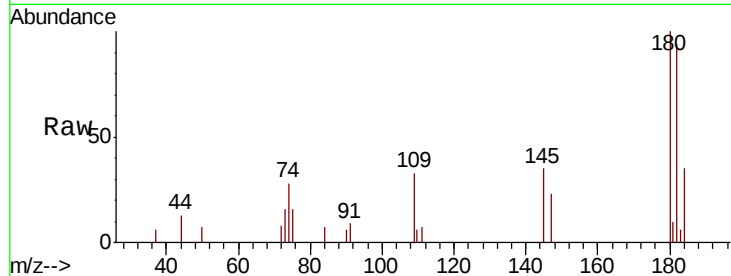
#67
 1,3,5-Trichlorobenzene
 Concen: 0.819 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.2	75.9	113.9
184	24.0	23.8	35.6
145	32.8	24.2	36.4

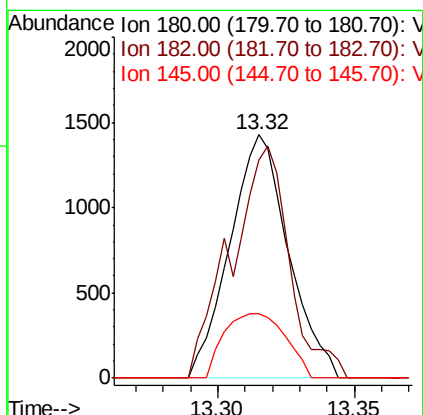
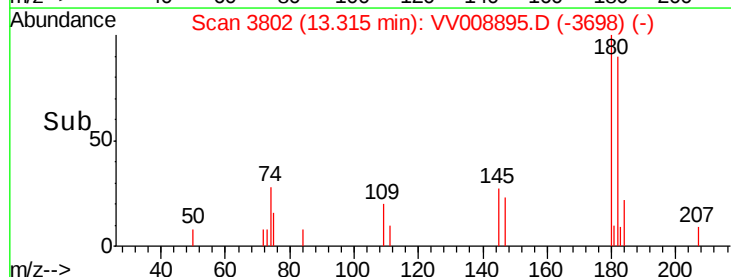
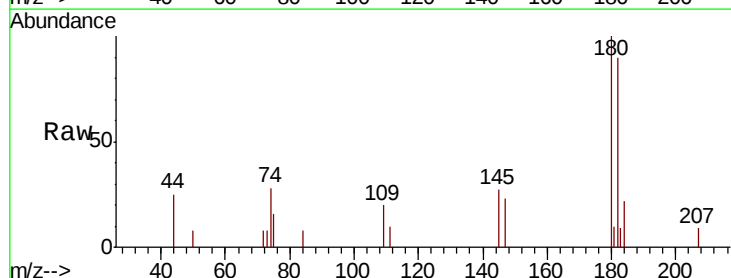
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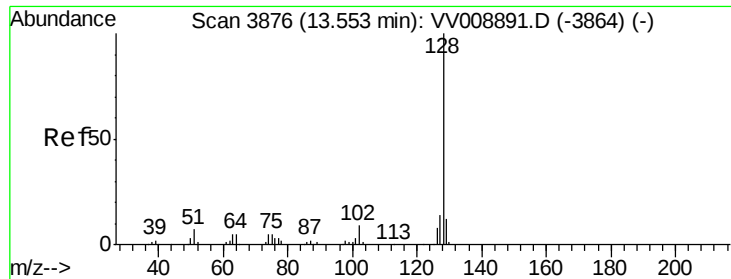
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#68
 1,2,4-trichlorobenzene
 Concen: 0.715 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008895.D
 Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	59.4	77.4	116.0#
145	27.9	25.6	38.4





#69

Naphthalene

Concen: 0.576 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Instrument :

MSVOA_V

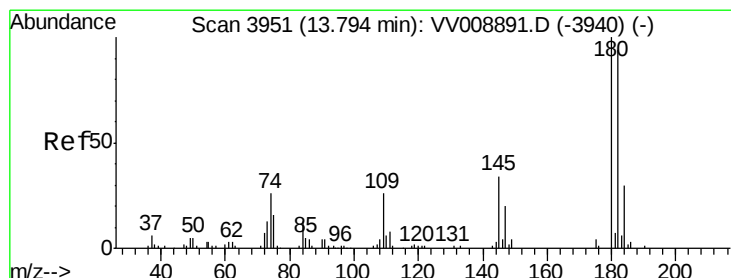
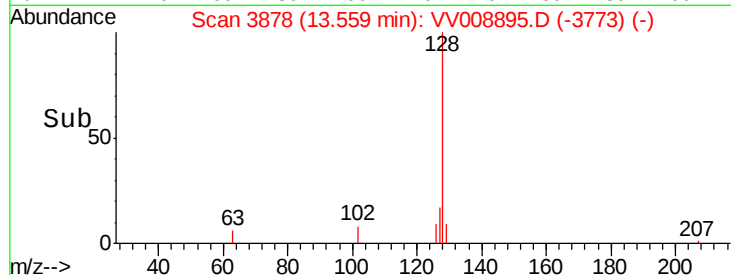
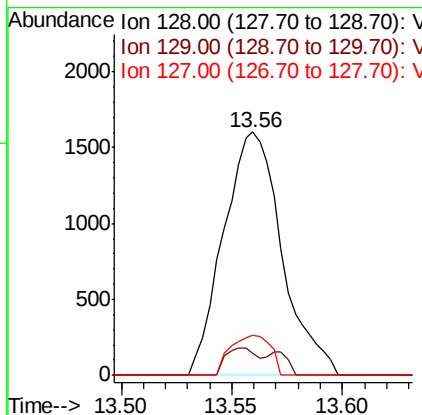
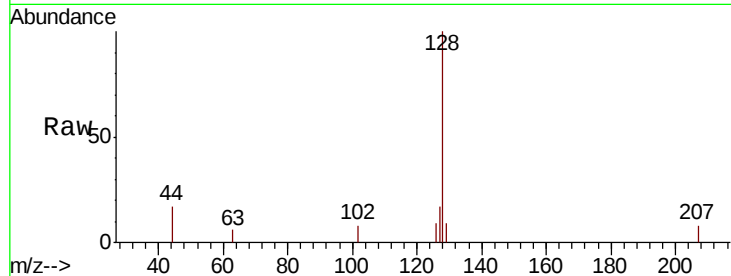
ClientSampleId :

MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
129	6.0	8.6	13.0#
127	11.3	10.0	15.0

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 0.712 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008895.D

Acq: 11 Dec 2018 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	80.9	76.1	114.1
145	24.6	26.7	40.1#

