

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008899.D
 Acq On : 11 Dec 2018 14:43
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00µ/10.0 mL/MSVOA V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

sam
 12/12/2018 11:26:40 AM

Quant Time: Dec 12 04:53:20 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	218601	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183819	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78358	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57807	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	54405	32.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	130.20%
10) 1,1-Dichloroethene-d2	2.13	63	111544	19.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.88%
20) 2-Butanone-d5	3.94	46	49424	60.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.02%
24) Chloroform-d	4.40	84	131829	25.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.08	65	78723	27.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.80%
29) Benzene-d6	5.10	84	273139	26.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.40%
33) 1,2-Dichloropropane-d6	6.12	67	78741	27.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.60%
37) Toluene-d8	7.36	98	245879	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.52%
38) trans-1,3-Dichloropropene-	7.67	79	33673	26.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.68%
39) 2-Hexanone-d5	8.14	63	29763	56.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62388	25.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	76308	25.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5340	1.490 ug/L	98
3) Chloromethane	1.25	50	3260	1.324 ug/L	99
5) Vinyl chloride	1.32	62	3540	1.288 ug/L #	54
6) Bromomethane	1.53	94	2508	1.898 ug/L	85
8) Chloroethane	1.60	64	2654	1.724 ug/L	99
9) Trichlorofluoromethane	1.77	101	7229	1.535 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5104	1.581 ug/L	85
12) 1,1-Dichloroethene	2.14	96	4392	1.559 ug/L #	1
13) Acetone	2.20	43	4007	3.302 ug/L	68
14) Carbon disulfide	2.32	76	11120	1.229 ug/L	97
15) Methyl Acetate	2.46	43	2263m	1.471 ug/L	
16) Methylene chloride	2.53	84	11545	3.136 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	7993	1.249 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	3587	1.178 ug/L	93
19) 1,1-Dichloroethane	3.23	63	6307m	1.278 ug/L	
21) 2-Butanone	4.03	43	2815m	2.475 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	4062	1.279 ug/L	96

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Manual Integrations
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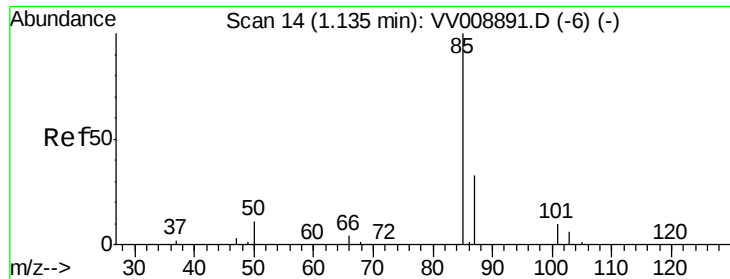
sam
 12/12/2018 11:26:40 AM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.30	128	1898	1.268	µg/L	92
25) Chloroform	4.43	83	9339	1.763	µg/L	84
27) 1,2-Dichloroethane	5.19	62	4609	1.277	µg/L	97
30) Cyclohexane	4.73	56	5695	1.230	µg/L	99
31) 1,1,1-Trichloroethane	4.65	97	5915	1.248	µg/L	97
32) Carbon tetrachloride	4.88	117	5405	1.249	µg/L	96
34) Benzene	5.15	78	13536	1.229	µg/L	100
35) Trichloroethene	5.96	95	4559	1.373	µg/L	98
36) Methylcyclohexane	6.18	83	6376	1.204	µg/L	93
40) 1,2-Dichloropropane	6.23	63	3376	1.277	µg/L #	95
41) Bromodichloromethane	6.56	83	4376	1.256	µg/L #	97
42) cis-1,3-Dichloropropene	7.07	75	4921	1.272	µg/L #	79
43) 4-Methyl-2-pentanone	7.28	43	5699	3.190	µg/L #	94
44) Toluene	7.43	91	15305	1.325	µg/L	99
45) trans-1,3-Dichloropropene	7.70	75	4562m	1.352	µg/L	
46) 1,1,2-Trichloroethane	7.89	97	2764	1.255	µg/L	94
47) Tetrachloroethene	8.02	164	3396	1.258	µg/L	98
49) 2-Hexanone	8.19	43	6401	4.331	µg/L #	90
50) Dibromochloromethane	8.29	129	3202	1.268	µg/L	99
51) 1,2-Dibromoethane	8.40	107	2886	1.305	µg/L #	93
52) Chlorobenzene	8.93	112	9370	1.246	µg/L	97
53) Ethylbenzene	9.06	91	14418	1.151	µg/L	98
54) m,p-Xylene	9.18	106	4928	1.039	µg/L	94
55) o-xylene	9.59	106	4932	1.119	µg/L	99
56) Styrene	9.61	104	7385	1.039	µg/L	94
57) Isopropylbenzene	9.98	105	12854	1.073	µg/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	3294	1.384	µg/L #	98
59) 1,2,3-Trichloropropane	10.32	75	2844m	1.381	µg/L	
62) Bromoform	9.78	173	1710	1.209	µg/L #	92
63) 1,3-Dichlorobenzene	11.23	146	5716	1.132	µg/L	92
64) 1,4-Dichlorobenzene	11.32	146	6715	1.292	µg/L	85
65) 1,2-Dichlorobenzene	11.69	146	6348	1.364	µg/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	392m	1.028	µg/L	
67) 1,3,5-Trichlorobenzene	12.69	180	3955	1.084	µg/L	97
68) 1,2,4-trichlorobenzene	13.31	180	2165	0.847	µg/L	95
69) Naphthalene	13.56	128	3464	0.787	µg/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	2182	0.924	µg/L	95

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



#2

Dichlorodifluoromethane

Concen: 1.490 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 5340

Ion Ratio Lower Upper

85 100

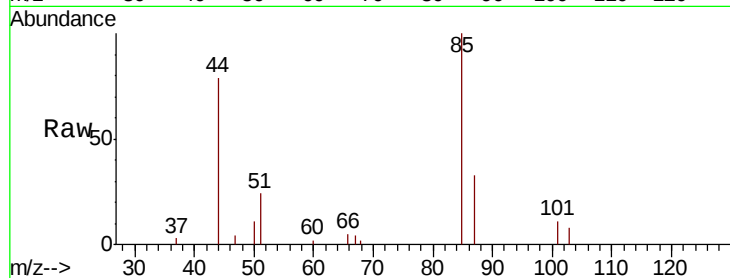
87 33.4 22.4 41.6

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Abundance Ion 85.00 (84.70 to 85.70): VV008899.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV008899.D (-6) (-)

1.14

6000

5000

4000

3000

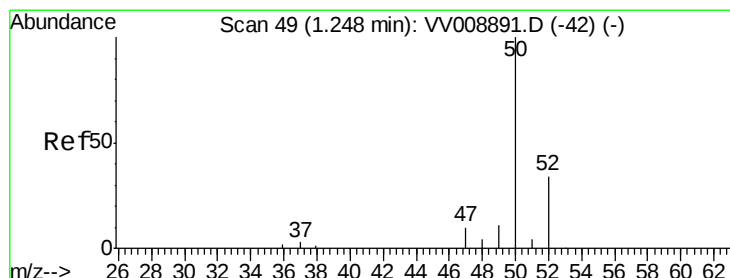
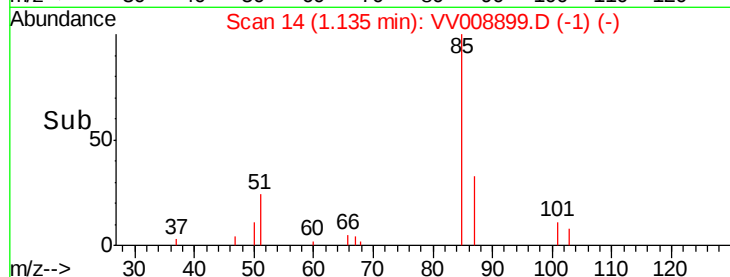
2000

1000

0

Time-->

1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 1.324 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV008899.D

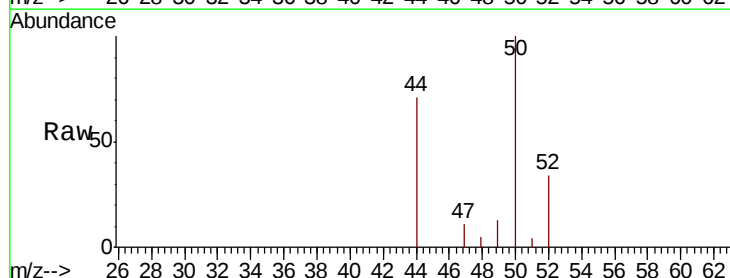
Acq: 11 Dec 2018 14:43

Tgt Ion: 50 Resp: 3260

Ion Ratio Lower Upper

50 100

52 33.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV008899.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008899.D (-42) (-)

1.25

3000

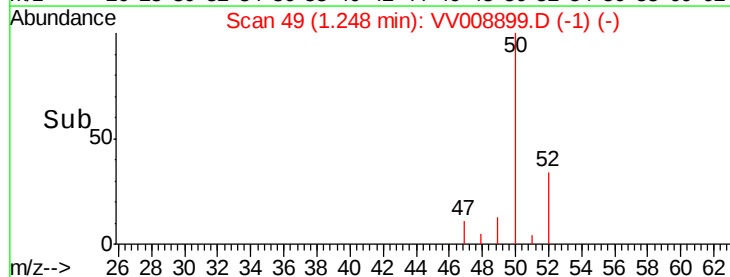
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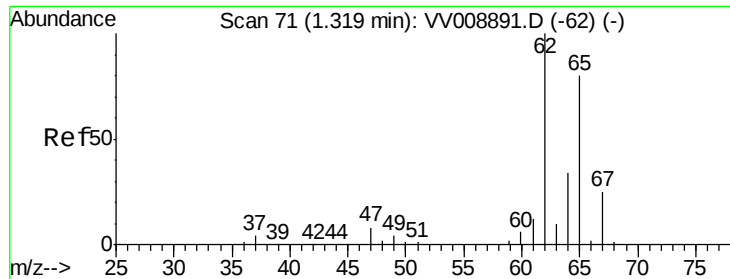
1000

0

Time-->

1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 1.288 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 62 Resp: 3540

Ion Ratio Lower Upper

62 100

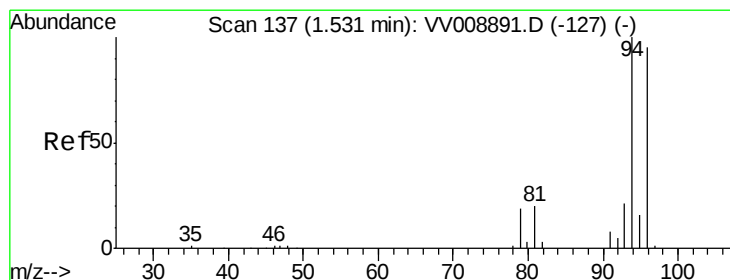
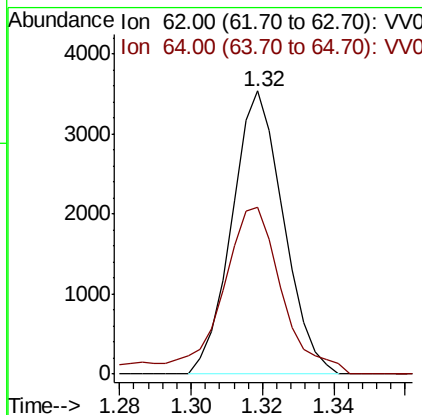
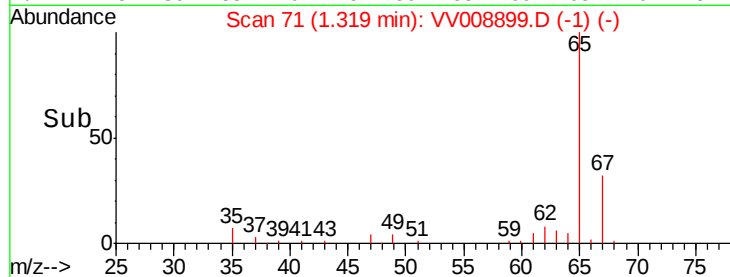
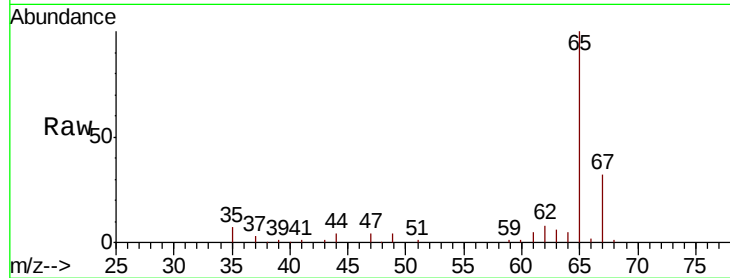
64 59.1 23.3 43.3#

Manual Integrations

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#6

Bromomethane

Concen: 1.898 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV008899.D

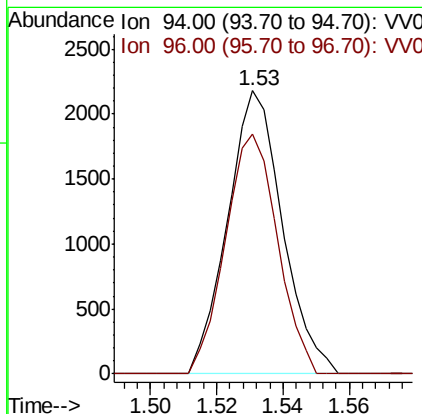
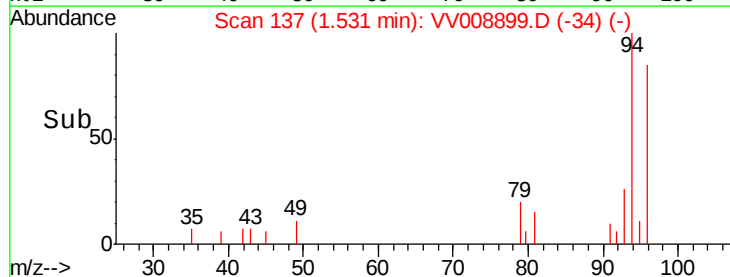
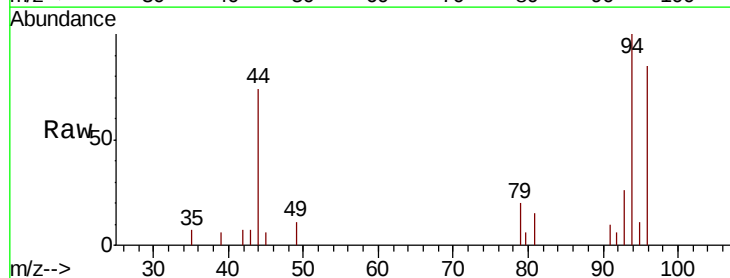
Acq: 11 Dec 2018 14:43

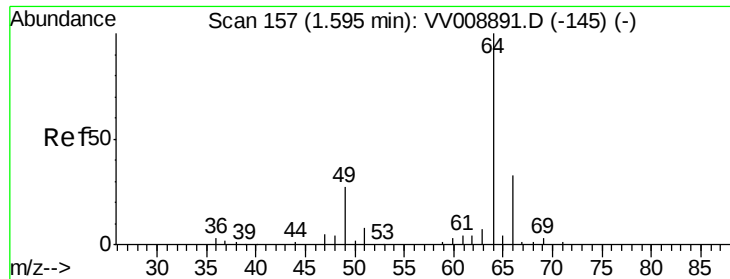
Tgt Ion: 94 Resp: 2508

Ion Ratio Lower Upper

94 100

96 80.3 9.5 180.9





#8

Chloroethane

Concen: 1.724 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 64 Resp: 2654

Ion Ratio Lower Upper

64 100

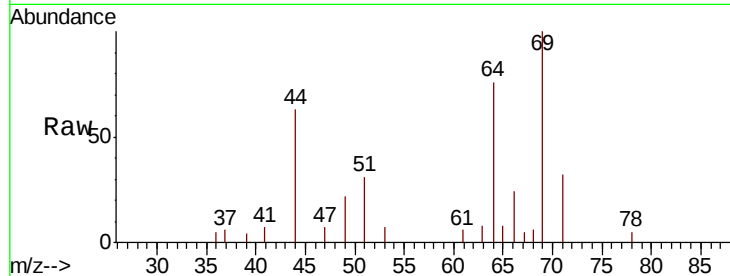
66 31.1 22.2 41.2

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Abundance Ion 64.00 (63.70 to 64.70): VV008899.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV008899.D (-145) (-)

1.60

2000

1500

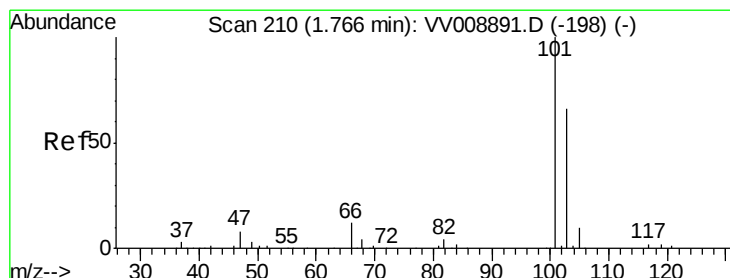
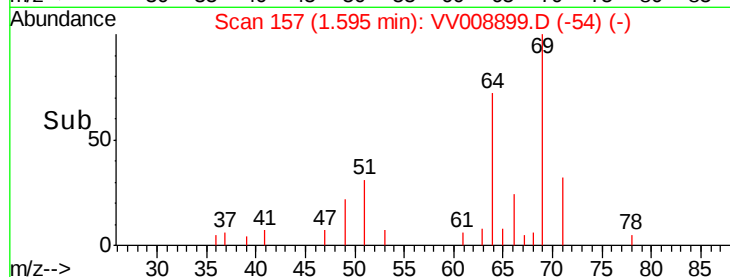
1000

500

0

1.56 1.58 1.60 1.62

Time-->



#9

Trichlorofluoromethane

Concen: 1.535 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV008899.D

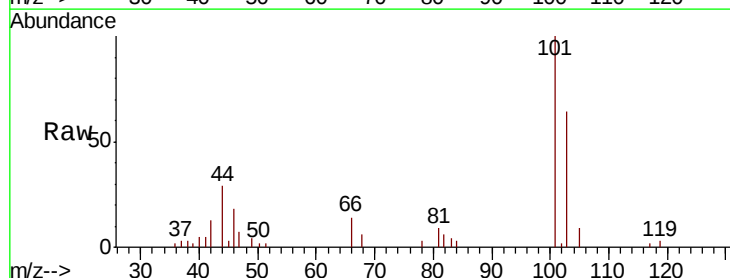
Acq: 11 Dec 2018 14:43

Tgt Ion: 101 Resp: 7229

Ion Ratio Lower Upper

101 100

103 63.8 44.8 83.2



Abundance Ion 101.00 (100.70 to 101.70): VV008899.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008899.D (-198) (-)

1.77

6000

5000

4000

3000

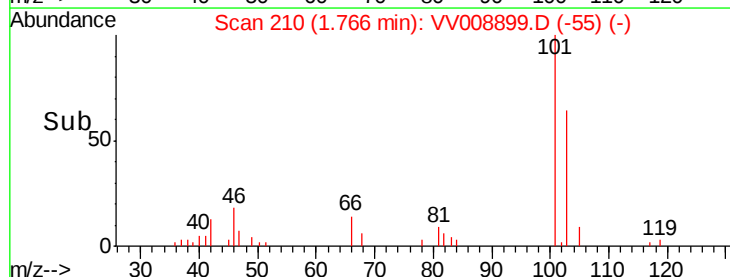
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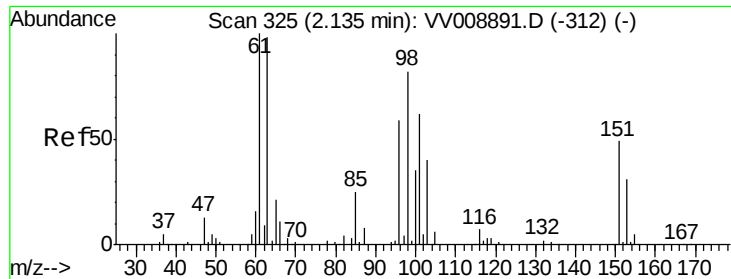
1000

0

1.72 1.74 1.76 1.78 1.80

Time-->





#11

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

Concen: 1.581 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

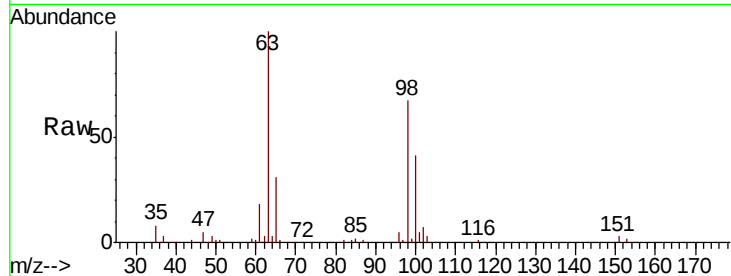
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	5104
Ion Ratio	Lower	Upper	
101	100		
85	33.3	32.5	48.7
151	65.3	64.2	96.4

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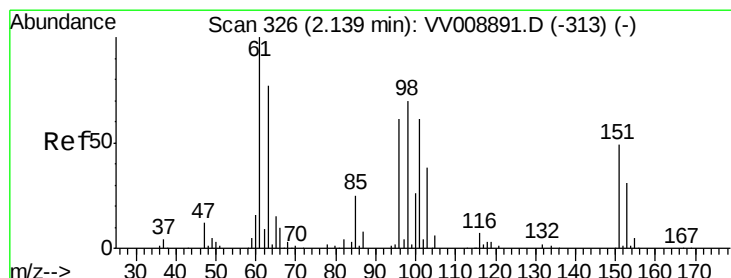
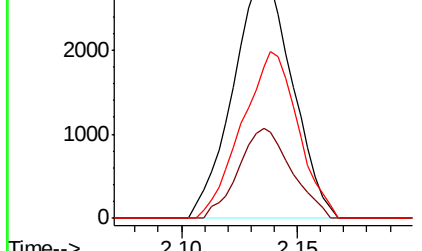
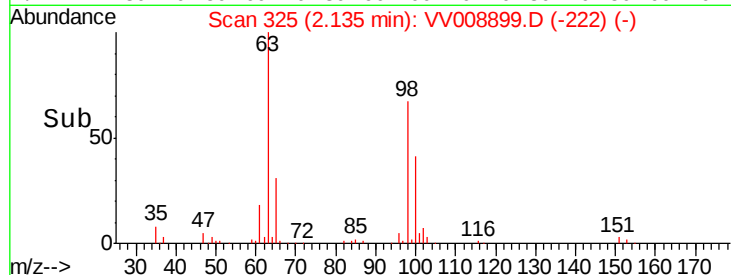


Abundance Ion 101.00 (100.70 to 101.70): VV008899.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV008899.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV008899.D (-312) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 1.559 ug/L

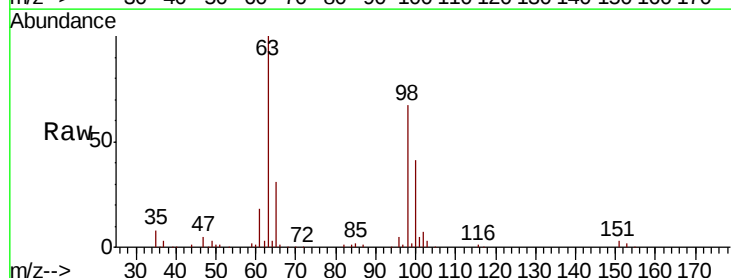
RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Tgt Ion:	96	Resp:	4392
Ion Ratio	Lower	Upper	
96	100		
61	366.8	114.0	211.6#
63	2038.5	82.4	153.0#

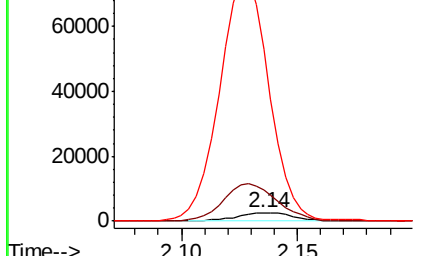
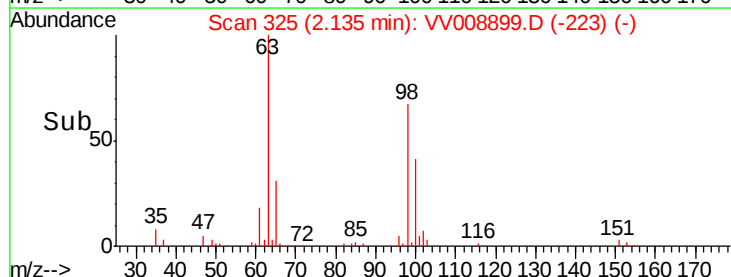


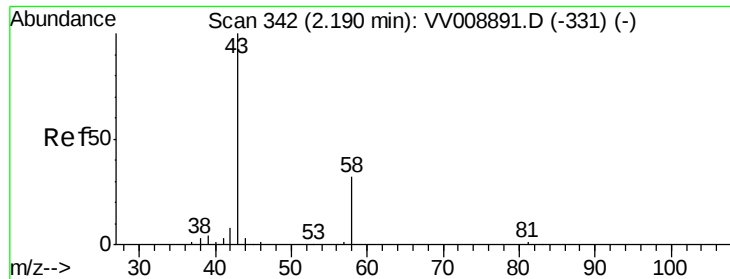
Abundance Ion 96.00 (95.70 to 96.70): VV008899.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV008899.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV008899.D (-313) (-)

Time-->





#13

Acetone

Concen: 3.302 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Tot Ion: 43 Resp: 4007

Ion Ratio Lower Upper

43 100

58 14.5 0.0 65.4

Instrument :

MSVOA_V

ClientSampleId :

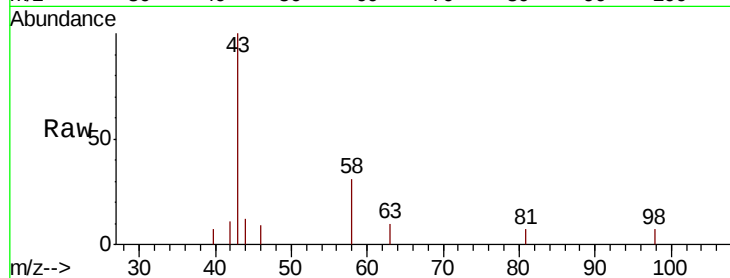
MDL07

Manual Integrations

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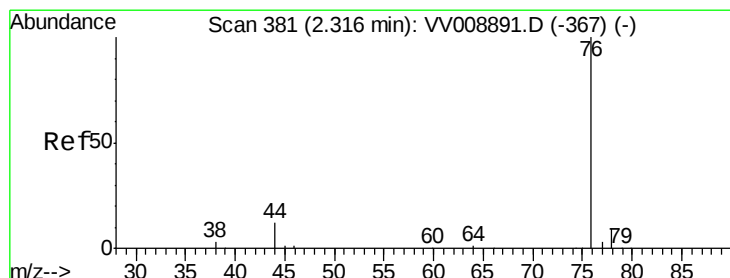
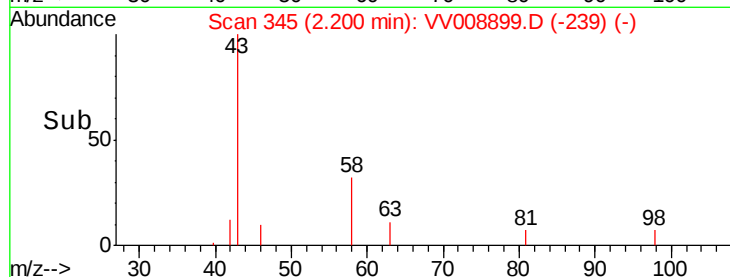
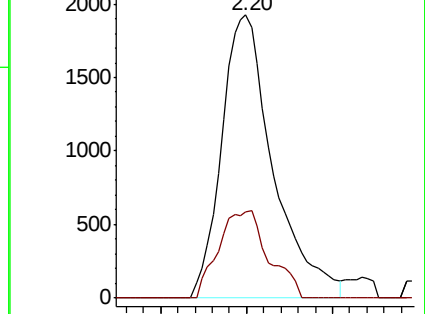
sam

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Abundance Ion 43.00 (42.70 to 43.70): VV008899.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008899.D (-331) (-)



#14

Carbon disulfide

Concen: 1.229 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008899.D

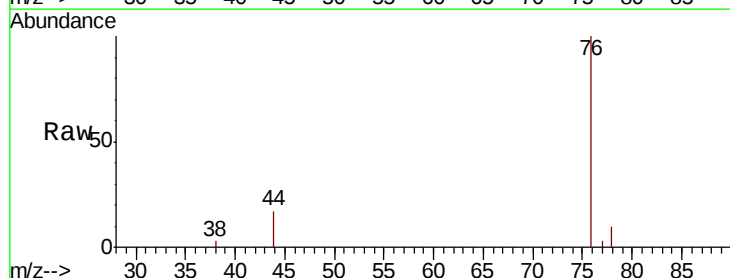
Acq: 11 Dec 2018 14:43

Tgt Ion: 76 Resp: 11120

Ion Ratio Lower Upper

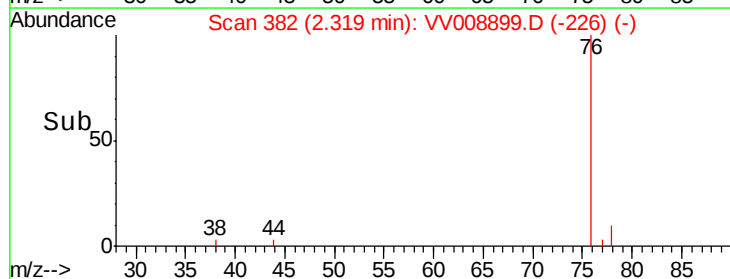
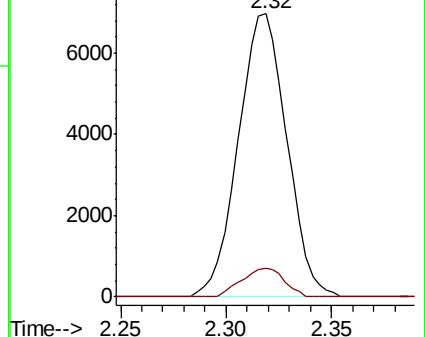
76 100

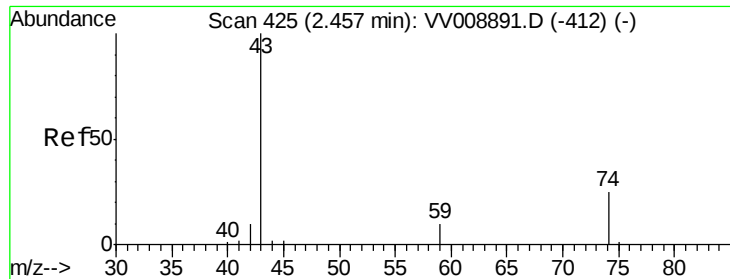
78 10.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV008899.D (-226) (-)

Ion 78.00 (77.70 to 78.70): VV008899.D (-226) (-)





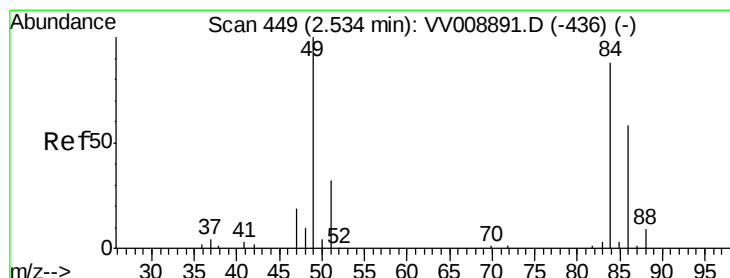
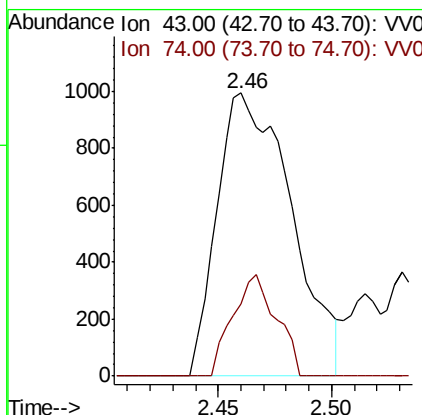
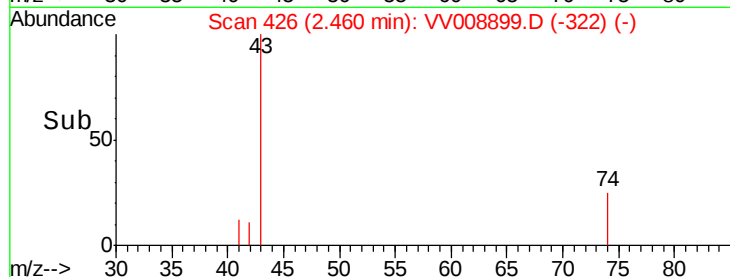
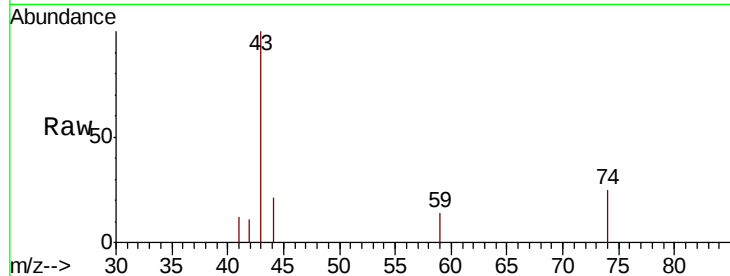
#15
Methvl Acetate
Concen: 1.471 ug/L m
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 43 Resp: 2263
Ion Ratio Lower Upper
43 100
74 21.0 19.7 29.5

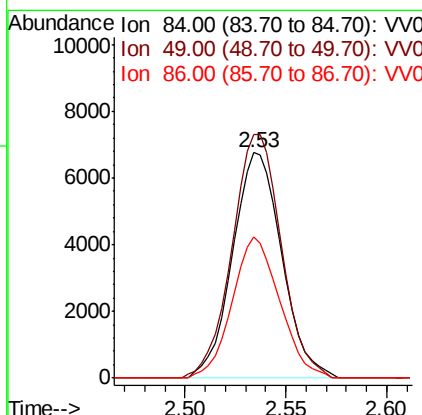
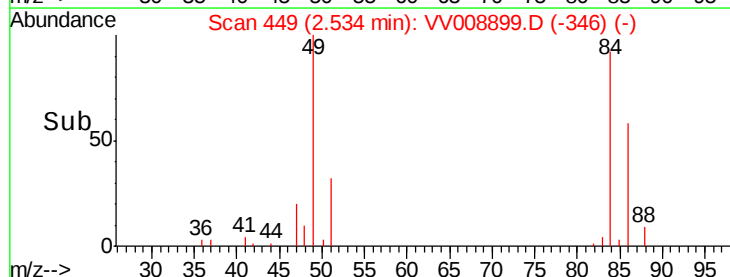
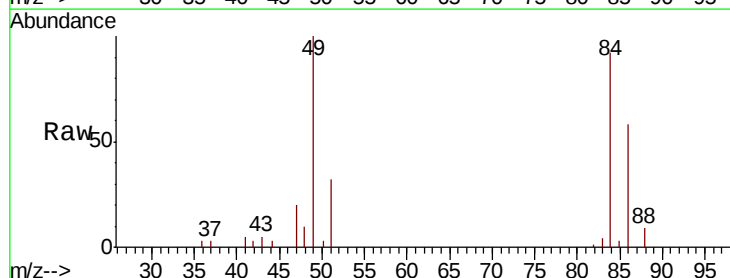
Manual Integrations
APPROVED

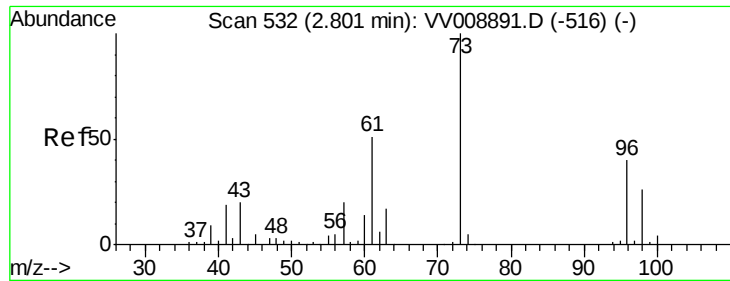
sam
12/12/2018 11:26:40 AM



#16
Methylene chloride
Concen: 3.136 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion: 84 Resp: 11545
Ion Ratio Lower Upper
84 100
49 108.1 80.5 149.5
86 62.5 45.5 84.5





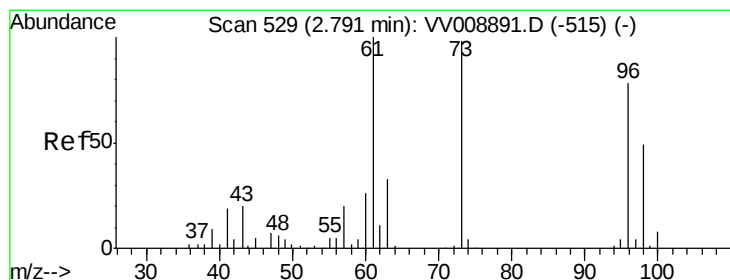
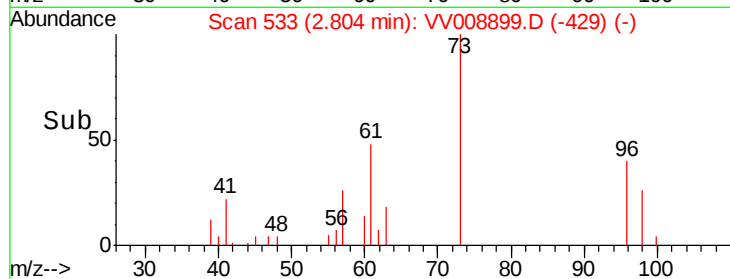
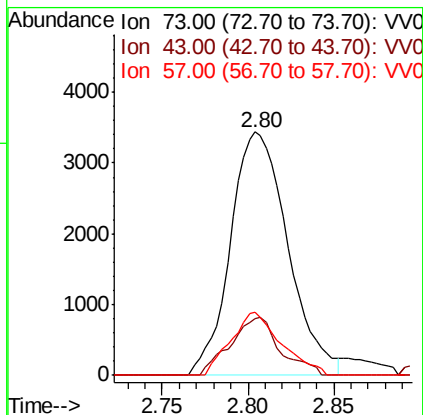
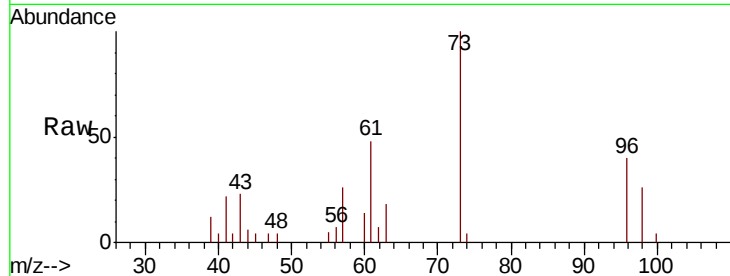
#17
Methvl tert-butvl Ether
Concen: 1.249 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.7	14.9	22.3
57	22.8	16.0	24.0

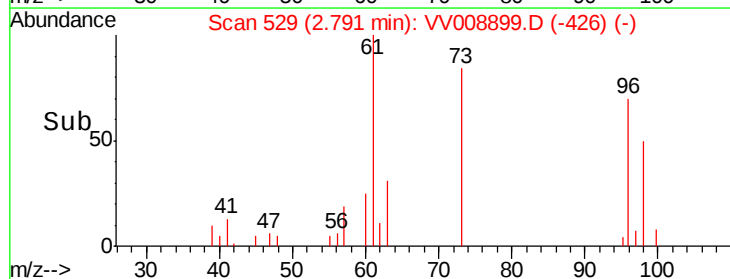
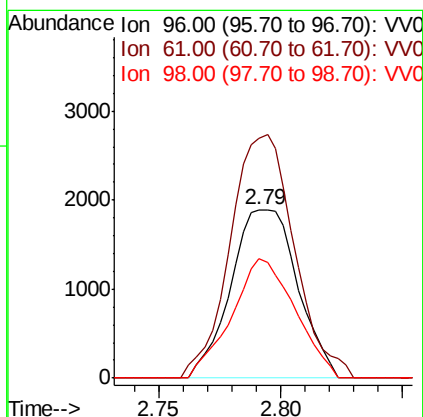
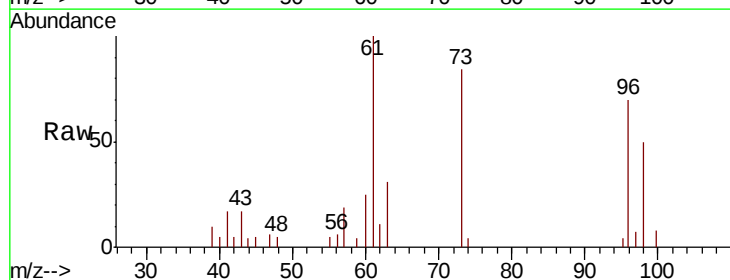
Manual Integrations
APPROVED

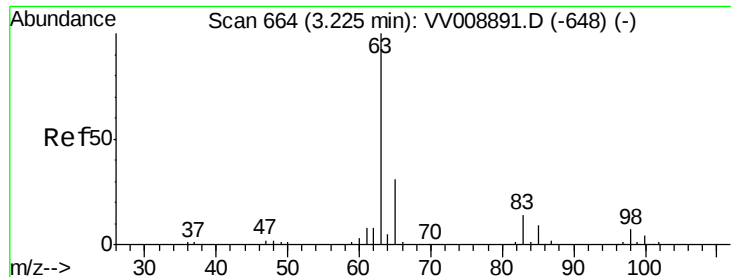
sam
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#18
trans-1,2-Dichloroethene
Concen: 1.178 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.5	94.6	175.8
98	71.1	45.3	84.1





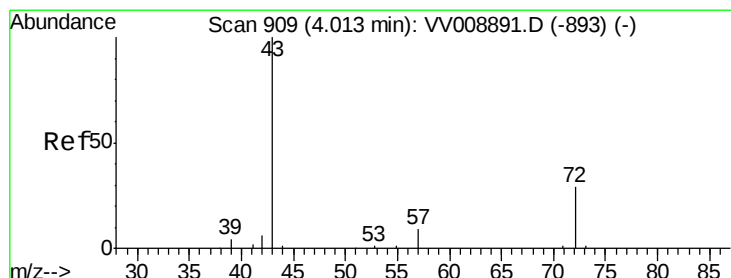
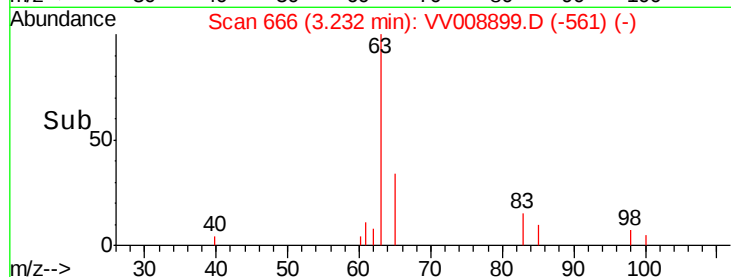
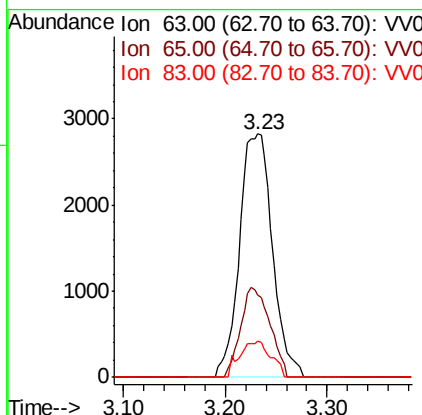
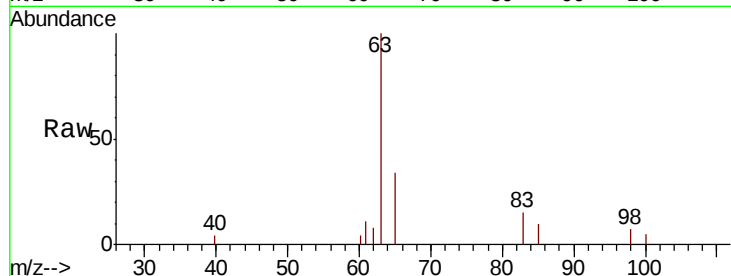
#19
 1,1-Dichloroethane
 Concen: 1.278 ug/L m
 RT: 3.23 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.0	22.7	42.1
83	15.0	10.2	19.0

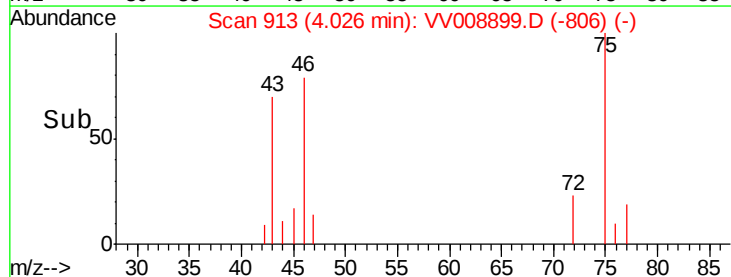
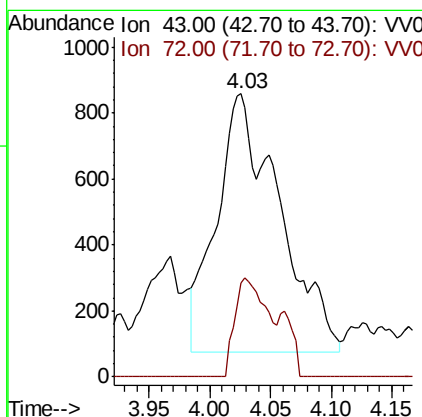
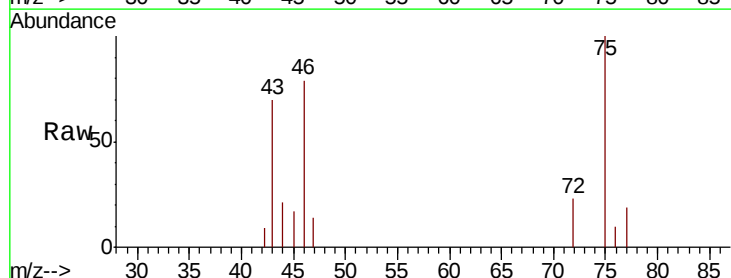
Manual Integrations
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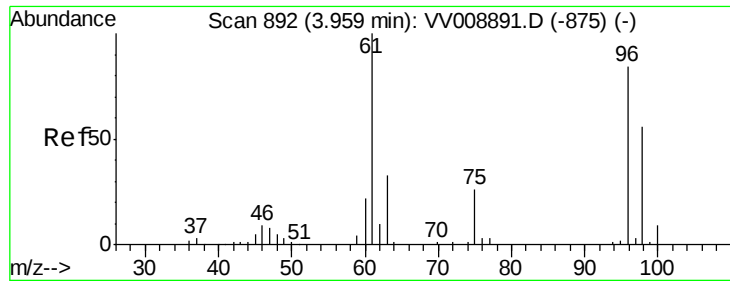
sam
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#21
 2-Butanone
 Concen: 2.475 ug/L m
 RT: 4.03 min Scan# 913
 Delta R.T. 0.01 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.4	13.7	41.1





#22

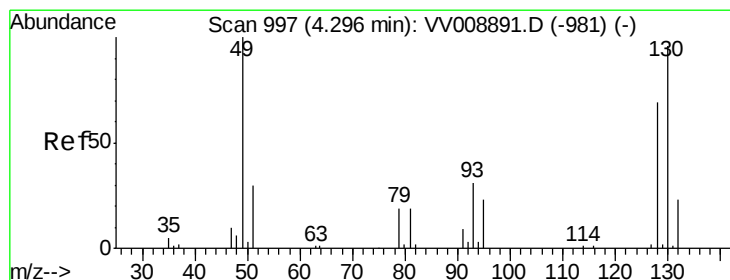
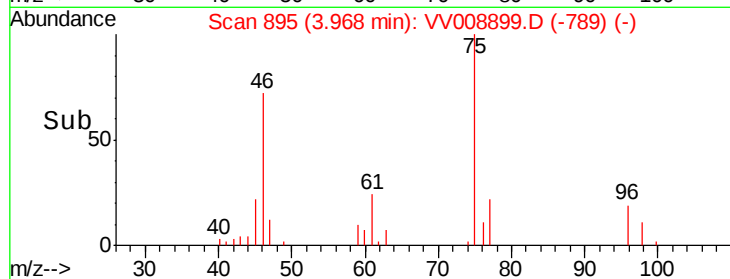
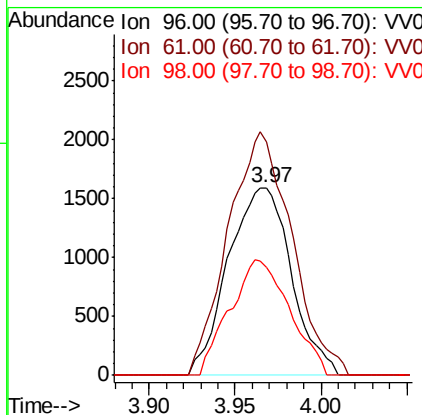
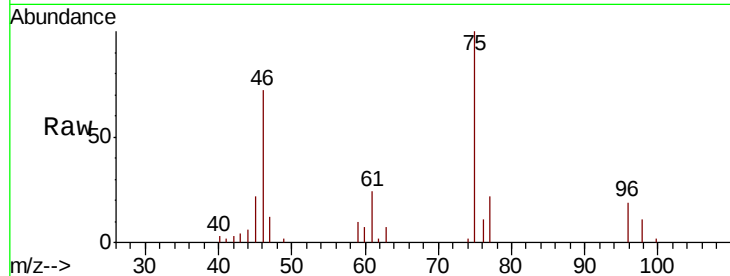
cis-1,2-Dichloroethene
Concen: 1.279 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.1	86.2	160.0
98	57.6	45.6	84.6

Manual Integrations
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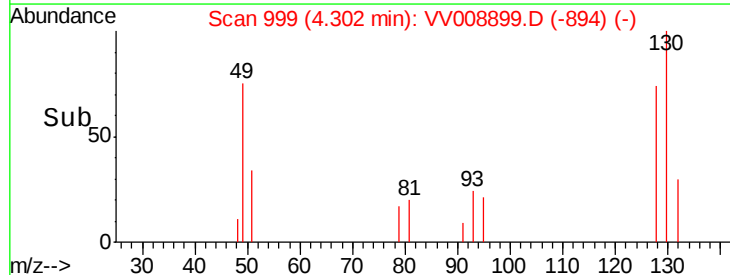
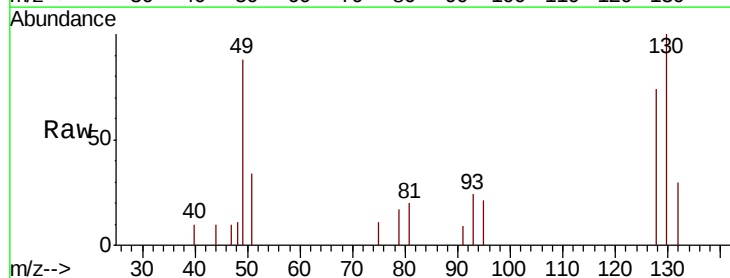
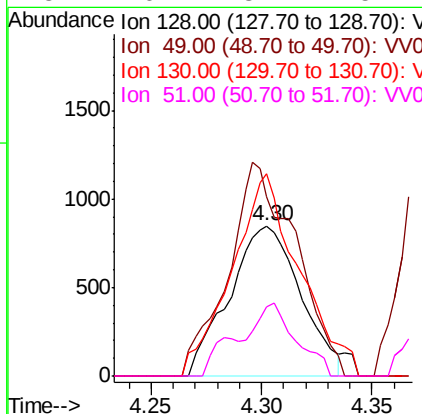
sam
12/12/2018 11:26:40 AM

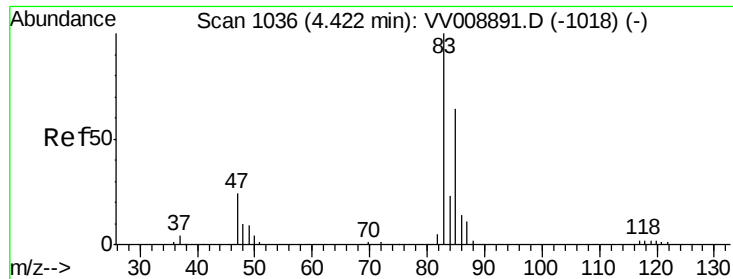


#23

Bromochloromethane
Concen: 1.268 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
128	100		
49	119.1	93.8	174.2
130	134.7	90.4	168.0
51	46.1	34.2	51.4





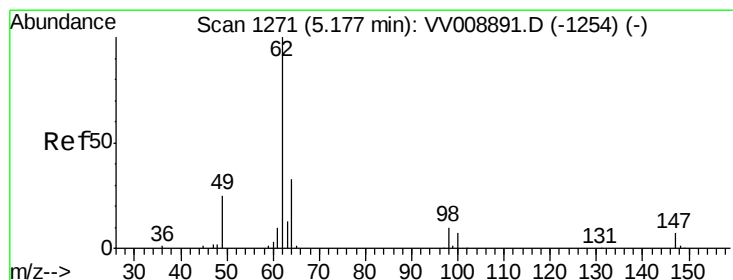
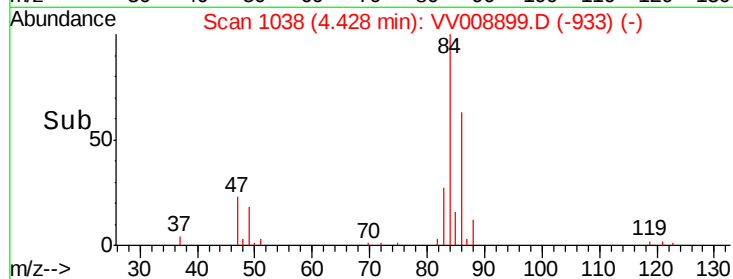
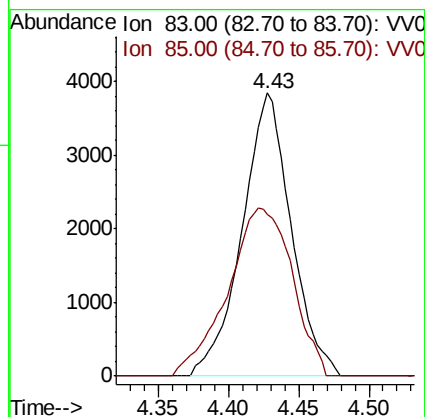
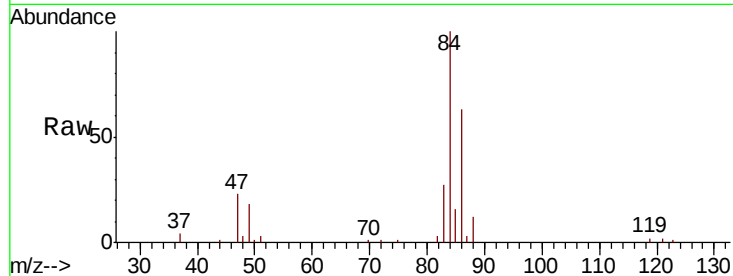
#25
Chloroform
Concen: 1.763 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 83 Resp: 9339
Ion Ratio Lower Upper
83 100
85 77.9 45.6 84.8

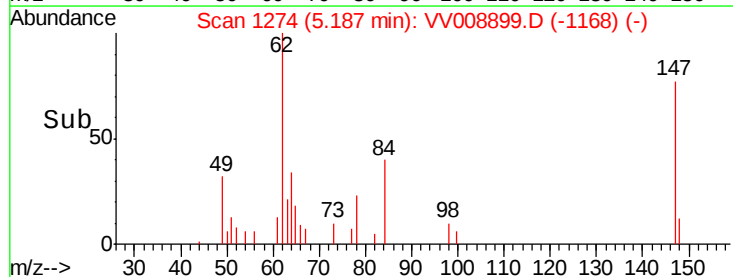
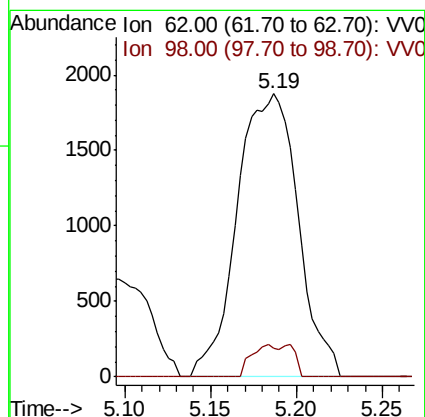
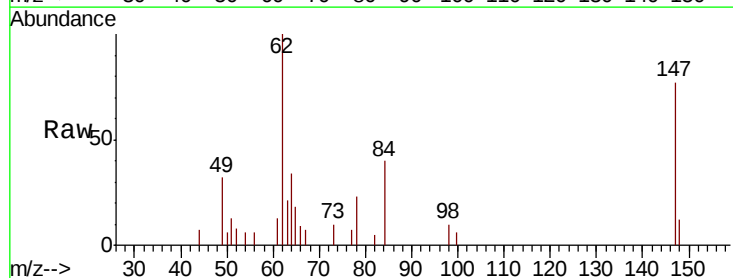
Manual Integrations
APPROVED

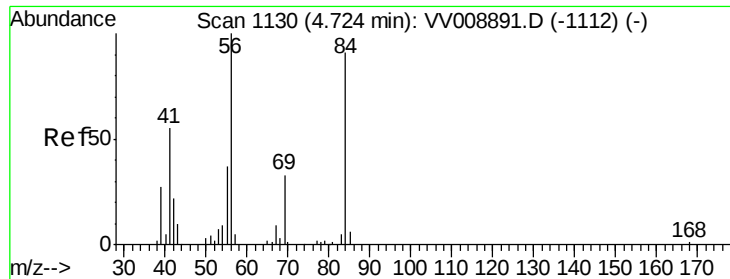
sam
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#27
1,2-Dichloroethane
Concen: 1.277 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion: 62 Resp: 4609
Ion Ratio Lower Upper
62 100
98 10.3 7.4 11.0





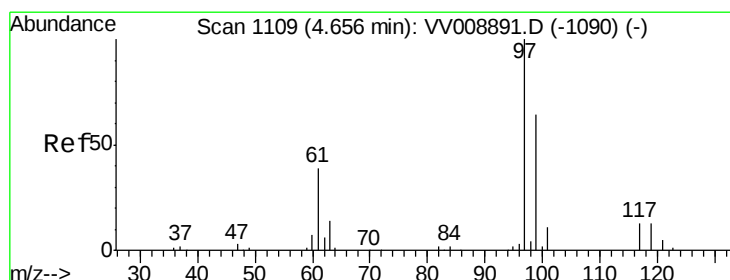
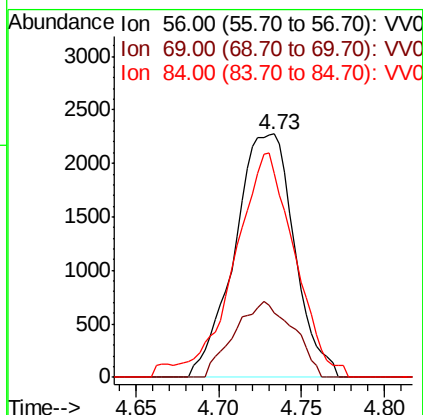
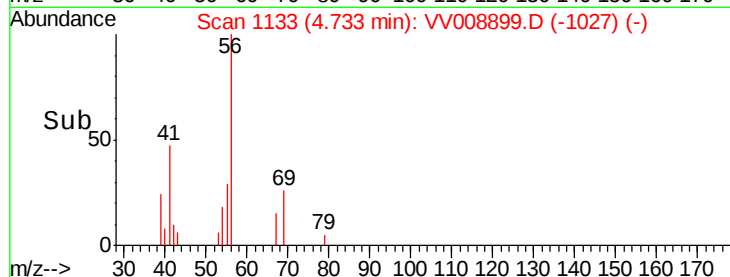
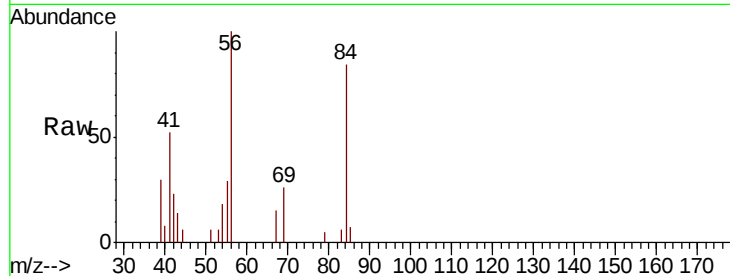
#30
Cvclohexane
Concen: 1.230 ug/L
RT: 4.73 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.8	38.8
84	91.2	73.0	109.6

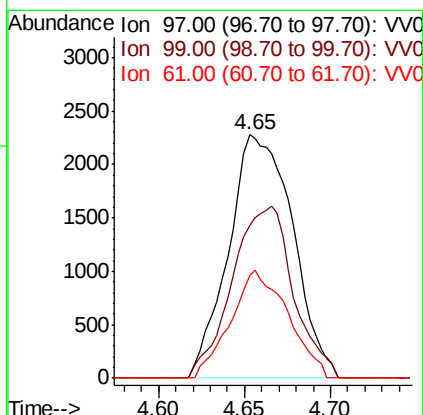
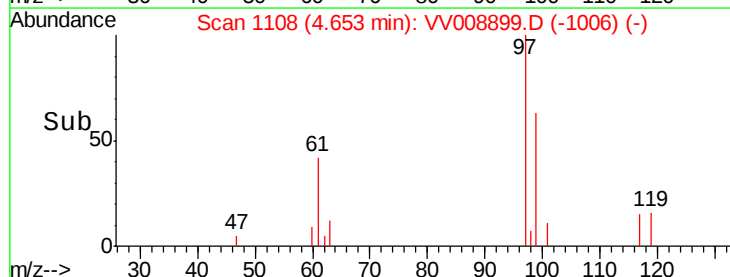
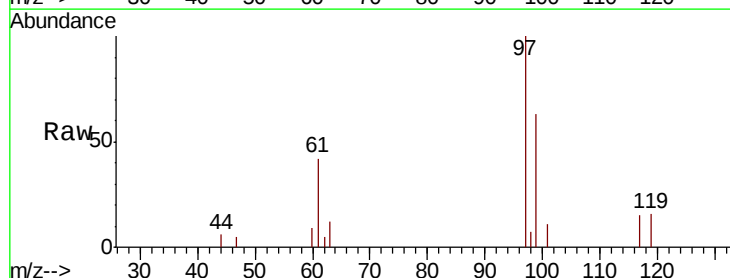
Manual Integrations
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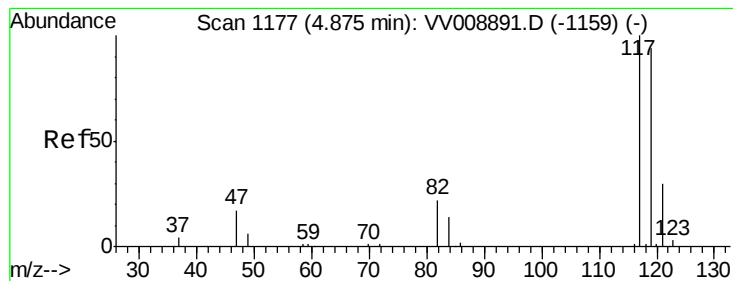
sam
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#31
1,1,1-Trichloroethane
Concen: 1.248 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.4	51.9	77.9
61	39.6	33.1	49.7





#32

Carbon tetrachloride

Concen: 1.249 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion:117 Resp: 5405

Ion Ratio Lower Upper

117 100

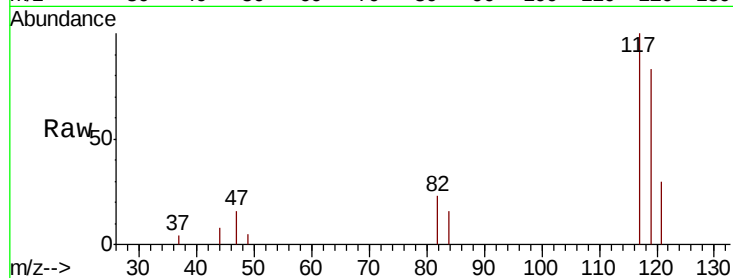
119 92.8 77.1 115.7

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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

2500

2000

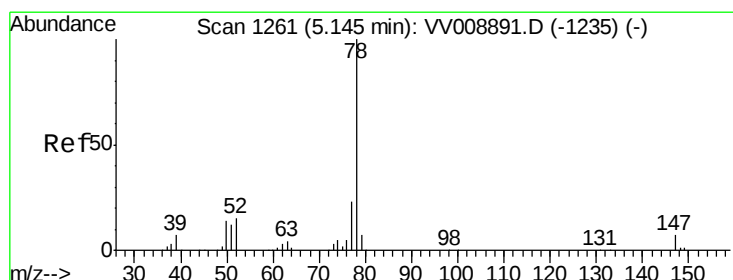
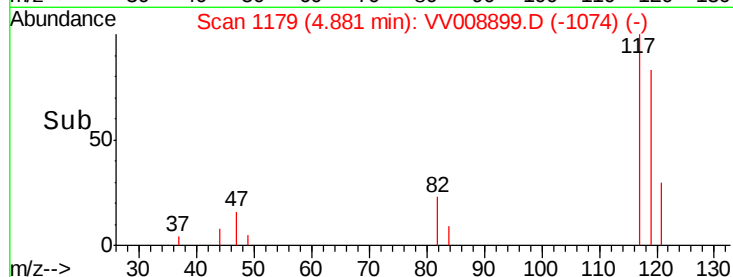
1500

1000

500

0

Time--> 4.80 4.85 4.90 4.95



#34

Benzene

Concen: 1.229 ug/L

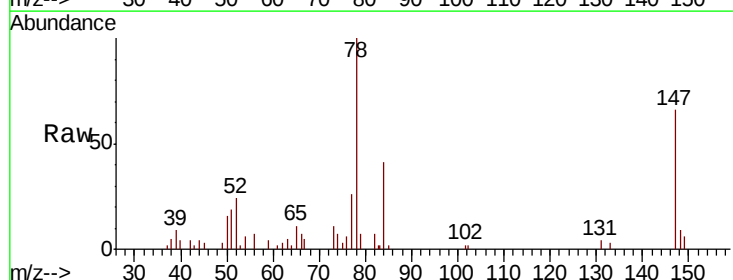
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Tgt Ion: 78 Resp: 13536



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

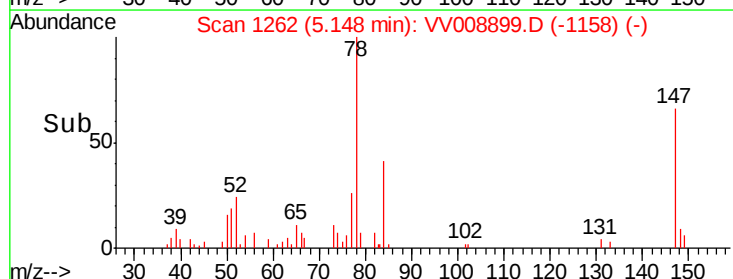
6000

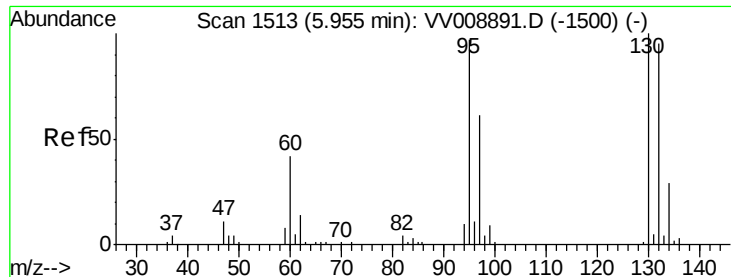
4000

2000

0

Time--> 5.10 5.15 5.20





#35

Trichloroethene

Concen: 1.373 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion: 95 Resp: 4559

Ion Ratio Lower Upper

95 100

97 65.0 45.3 84.1

132 103.1 70.0 130.0

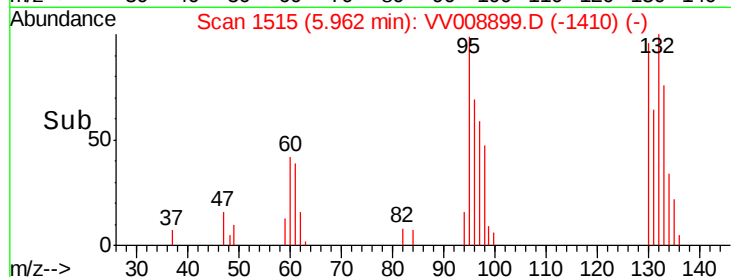
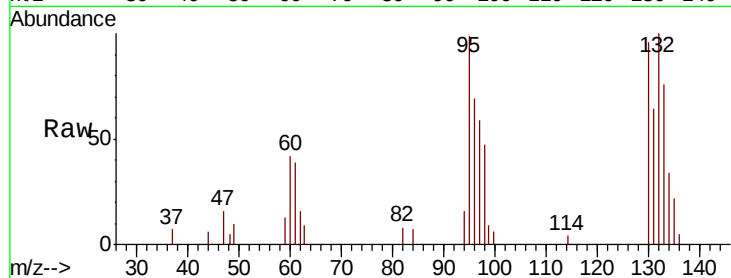
130 103.4 73.4 136.4

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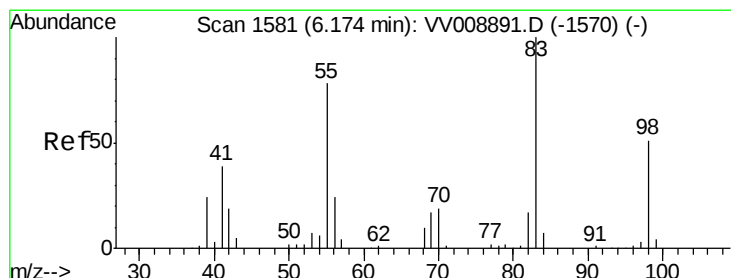
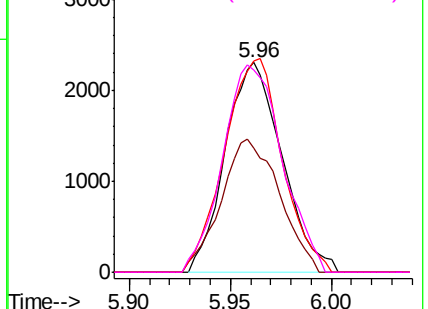


Abundance Ion 95.00 (94.70 to 95.70): VV008899.D (-1410) (-)

Ion 97.00 (96.70 to 97.70): VV008899.D (-1410) (-)

Ion 132.00 (131.70 to 132.70): VV008899.D (-1410) (-)

Ion 130.00 (129.70 to 130.70): VV008899.D (-1410) (-)



#36

Methylcyclohexane

Concen: 1.204 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

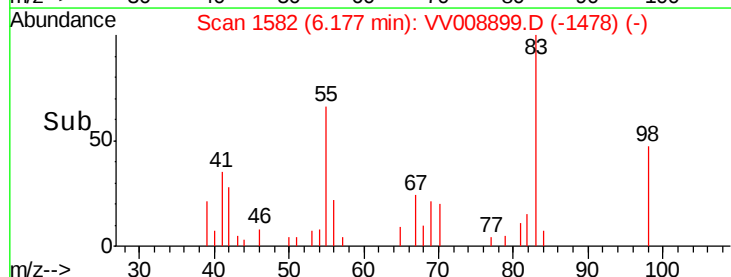
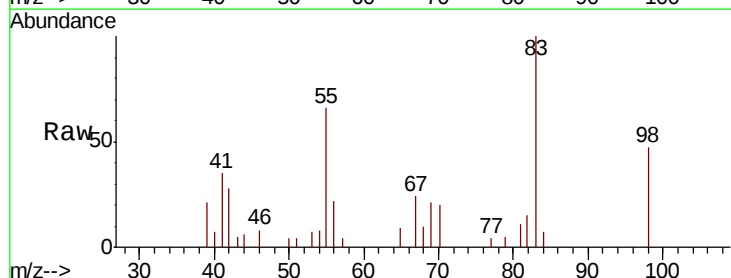
Tgt Ion: 83 Resp: 6376

Ion Ratio Lower Upper

83 100

55 79.2 58.2 87.2

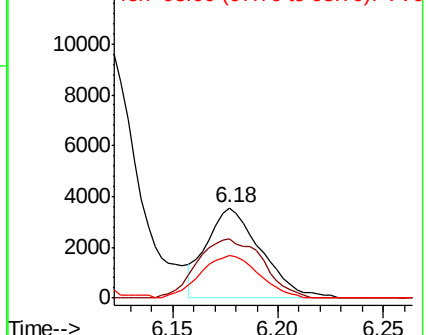
98 51.1 37.8 56.8

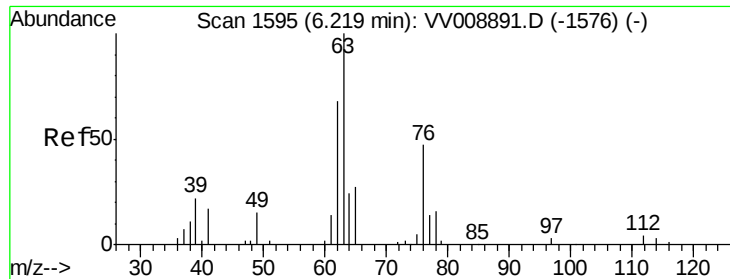


Abundance Ion 83.00 (82.70 to 83.70): VV008899.D (-1478) (-)

Ion 55.00 (54.70 to 55.70): VV008899.D (-1478) (-)

Ion 98.00 (97.70 to 98.70): VV008899.D (-1478) (-)





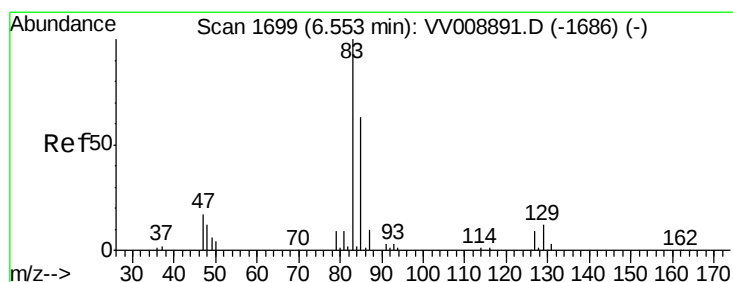
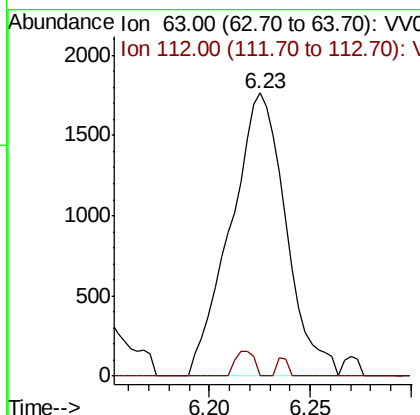
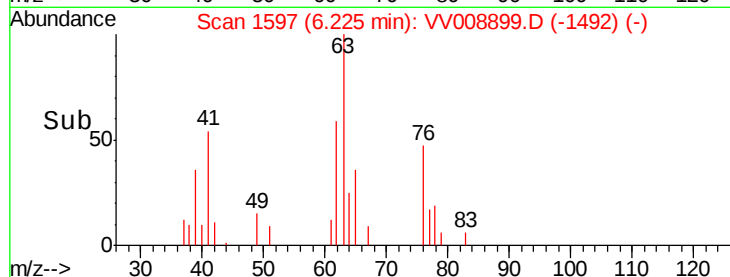
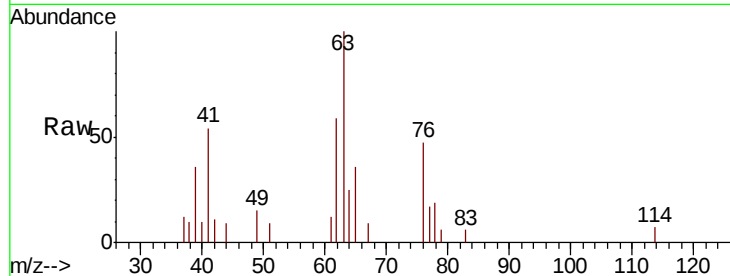
#40
 1,2-Dichloropropane
 Concen: 1.277 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion: 63 Resp: 3376
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.8 5.8#

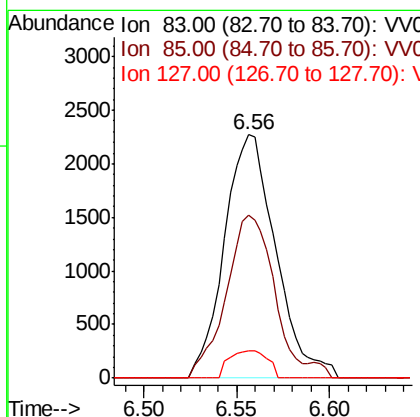
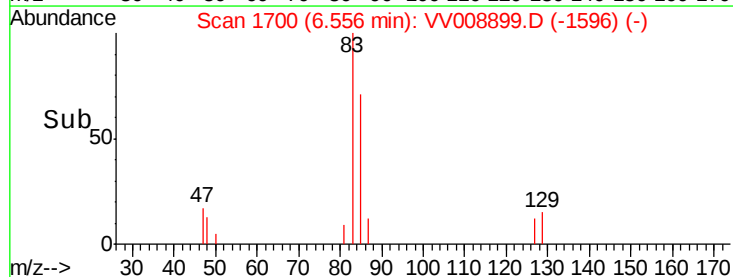
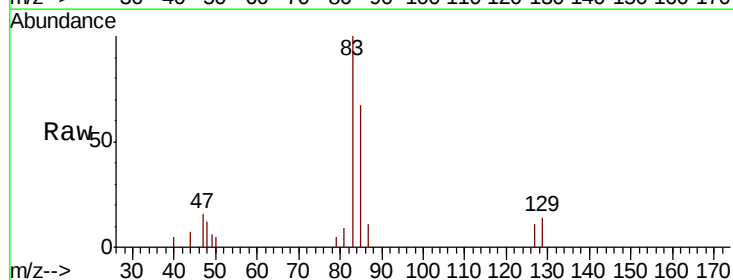
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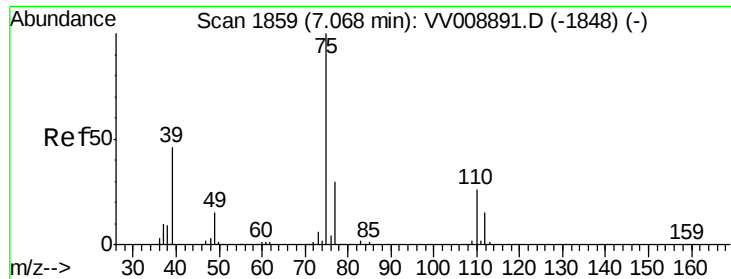
sam
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#41
 Bromodichloromethane
 Concen: 1.256 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Tgt Ion: 83 Resp: 4376
 Ion Ratio Lower Upper
 83 100
 85 67.1 45.3 84.1
 127 11.2 7.2 10.8#





#42

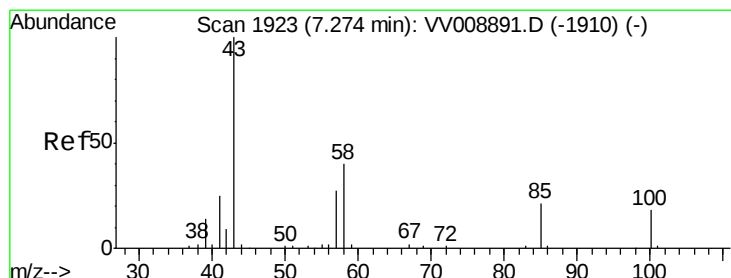
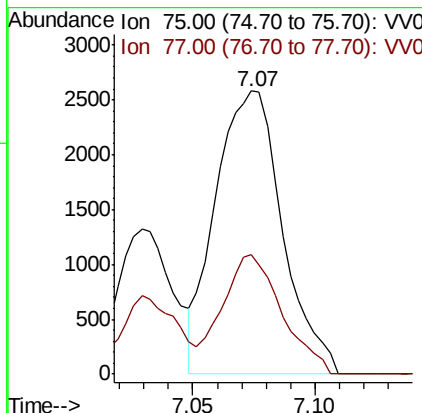
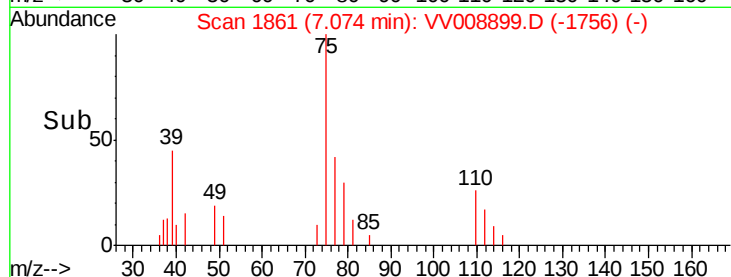
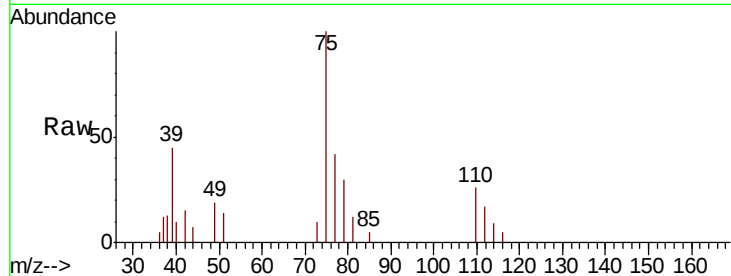
cis-1,3-Dichloropropene
Concen: 1.272 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion: 75 Resp: 4921
Ion Ratio Lower Upper
75 100
77 42.1 21.3 39.6#

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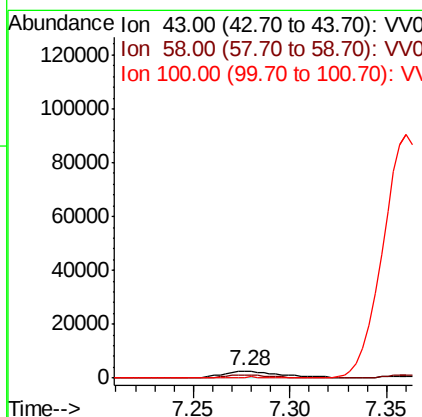
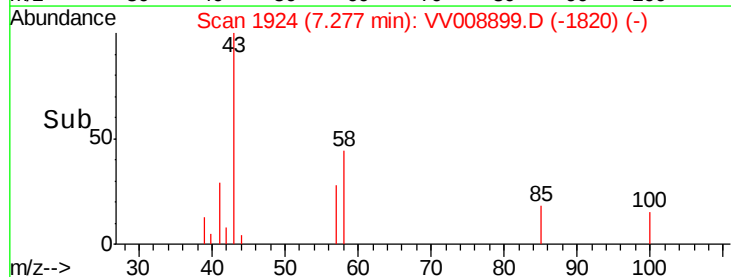
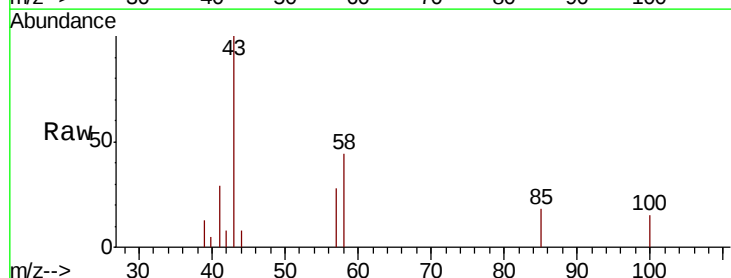
sam
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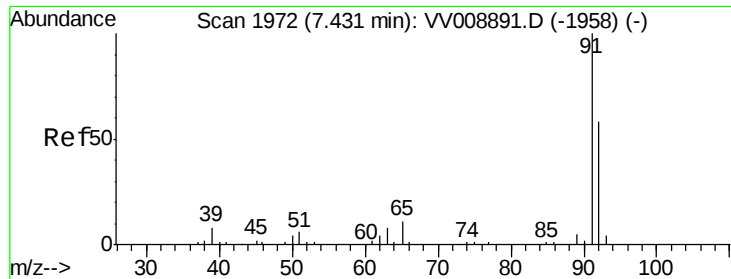


#43

4-Methyl-2-pentanone
Concen: 3.190 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion: 43 Resp: 5699
Ion Ratio Lower Upper
43 100
58 38.4 32.2 48.4
100 11.7 13.8 20.8#





#44

Toluene

Concen: 1.325 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 15305

Ion Ratio Lower Upper

91 100

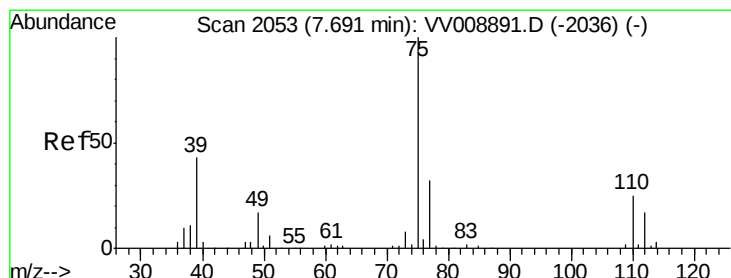
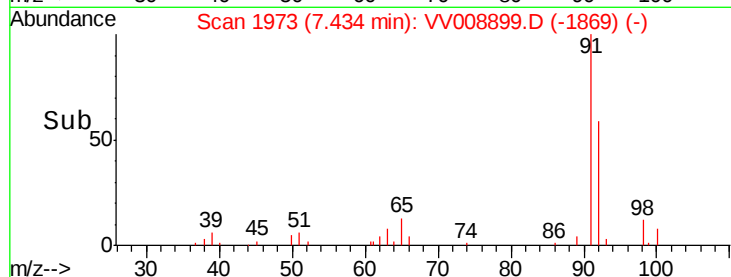
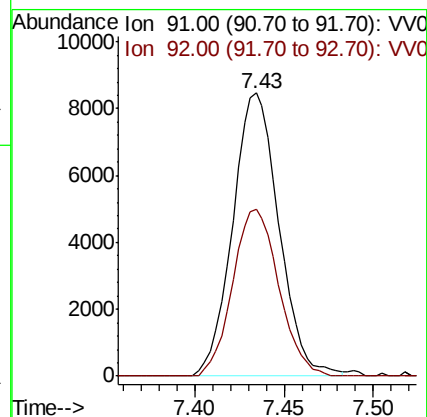
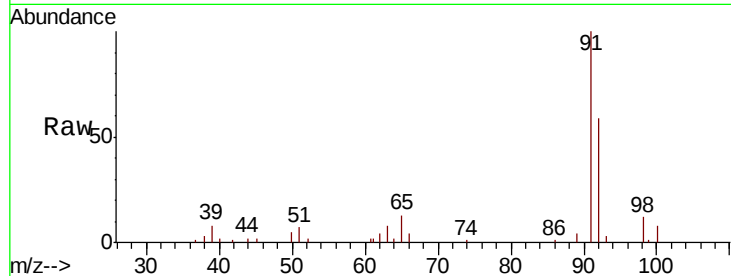
92 58.9 41.7 77.5

Manual Integrations

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#45

trans-1,3-Dichloropropene

Concen: 1.352 ug/L m

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV008899.D

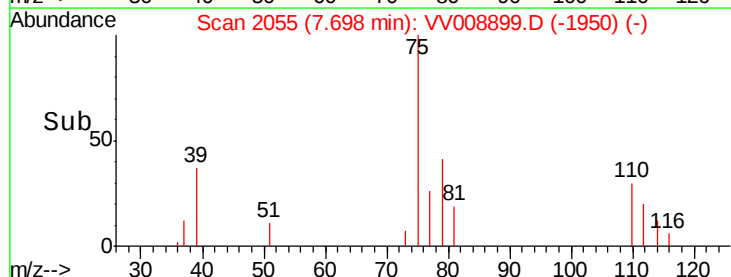
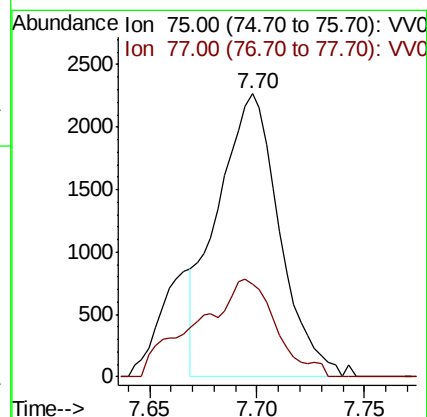
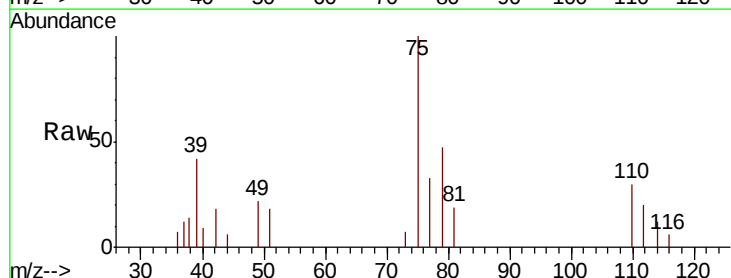
Acq: 11 Dec 2018 14:43

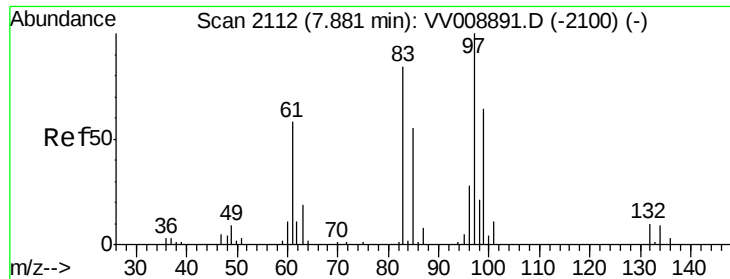
Tgt Ion: 75 Resp: 4562

Ion Ratio Lower Upper

75 100

77 33.0 23.6 43.8





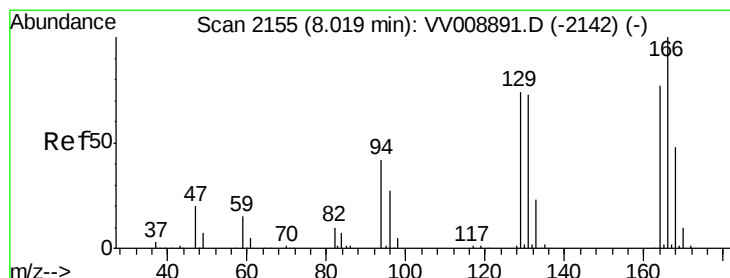
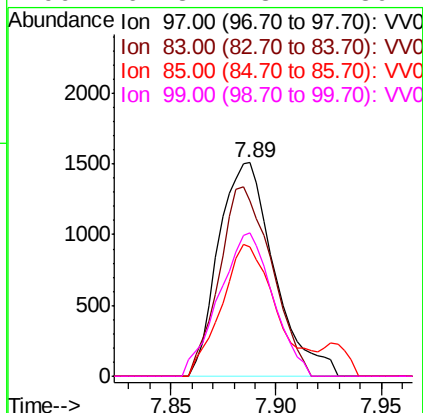
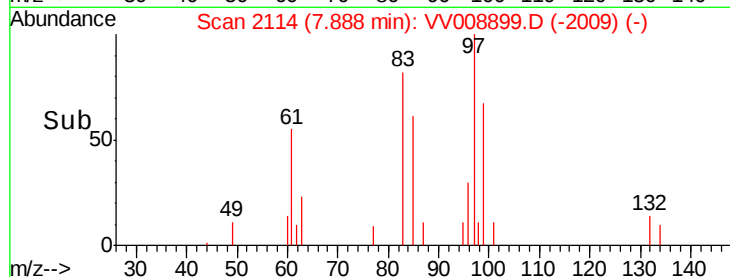
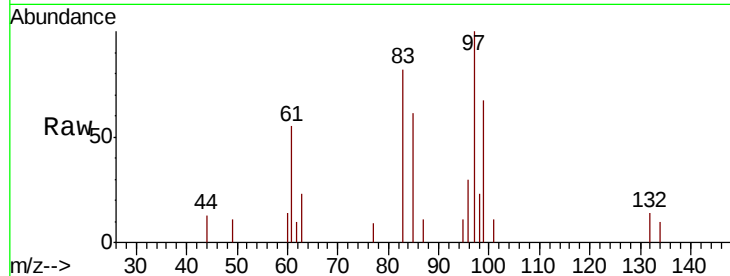
#46
1,1,2-Trichloroethane
Concen: 1.255 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.01 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion:	97	Resp:	2764
Ion	Ratio	Lower	Upper
97	100		
83	82.0	56.6	105.2
85	60.8	36.6	68.0
99	67.3	43.2	80.2

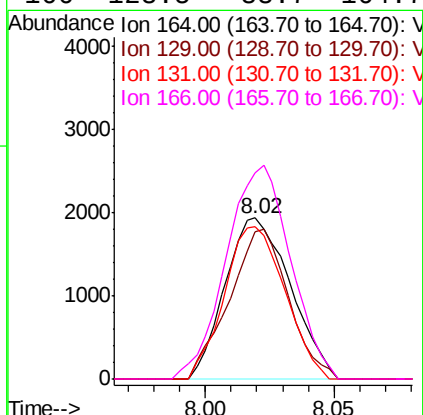
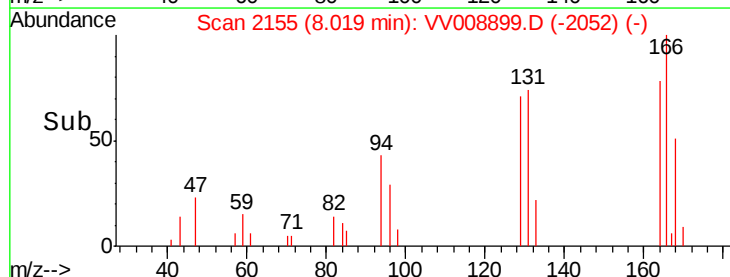
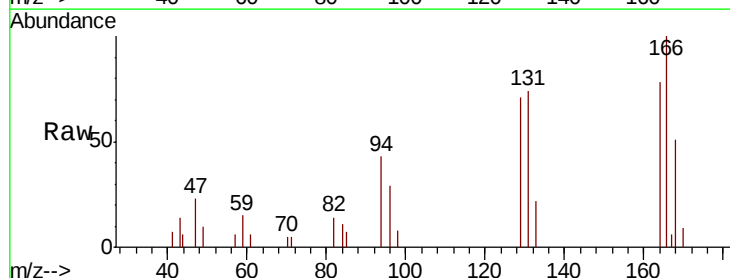
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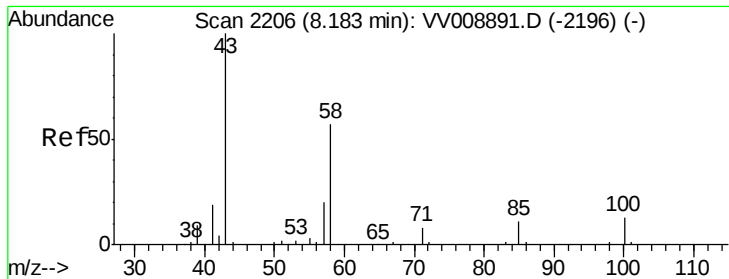
sam
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#47
Tetrachloroethene
Concen: 1.258 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion:	164	Resp:	3396
Ion	Ratio	Lower	Upper
164	100		
129	91.1	64.6	120.0
131	94.9	64.5	119.7
166	128.5	88.7	164.7





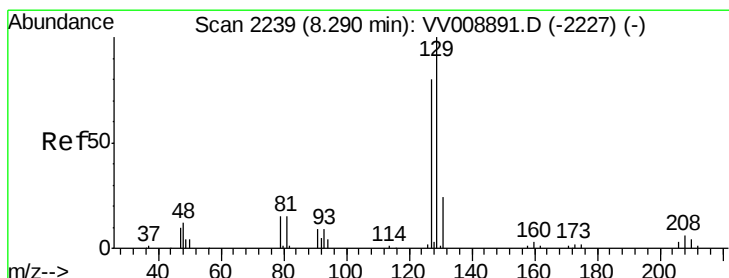
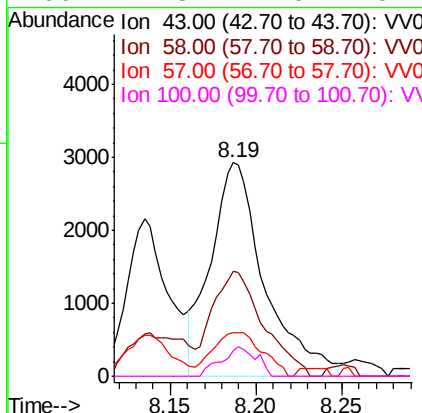
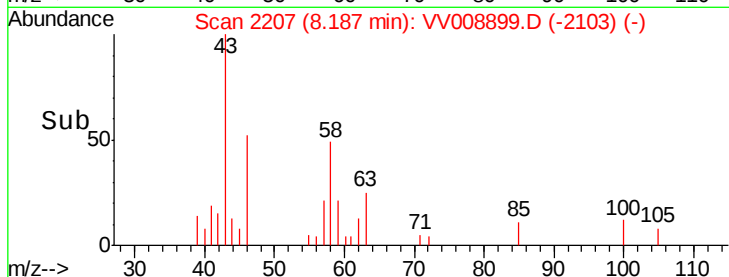
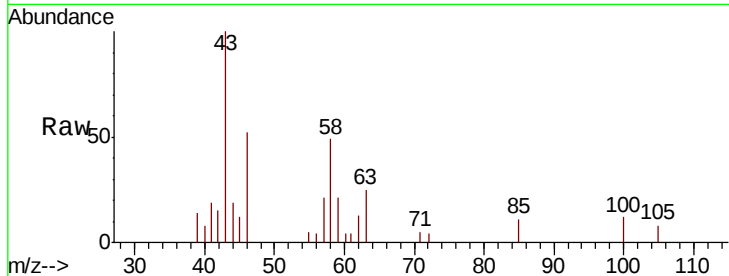
#49
2-Hexanone
Concen: 4.331 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.5	43.9	65.9
57	18.7	15.7	23.5
100	7.8	11.0	16.4

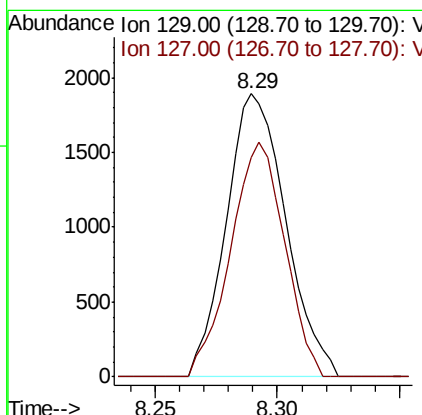
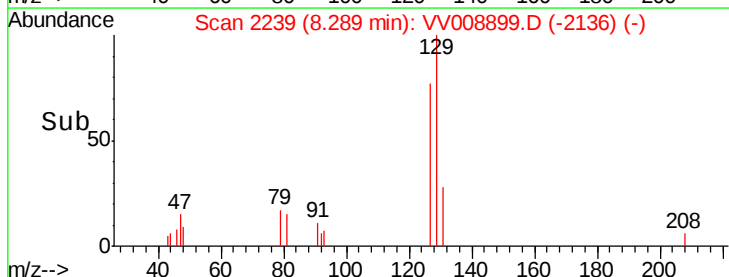
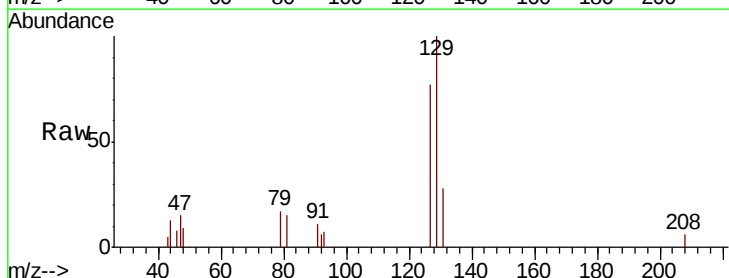
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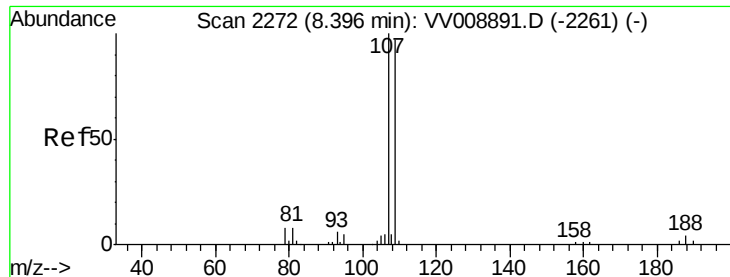
sam
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#50
Dibromochloromethane
Concen: 1.268 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.5	99.3





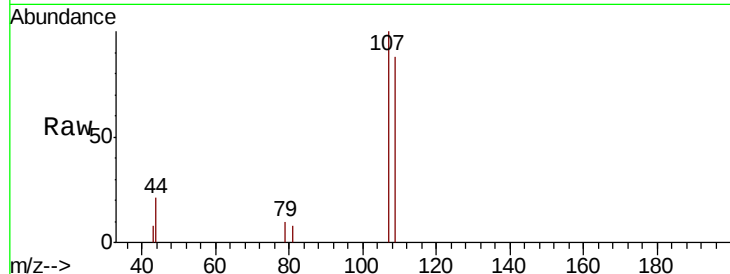
#51
 1,2-Dibromoethane
 Concen: 1.305 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
107	100		
109	87.7	65.8	122.2
188	0.0	3.0	4.6#

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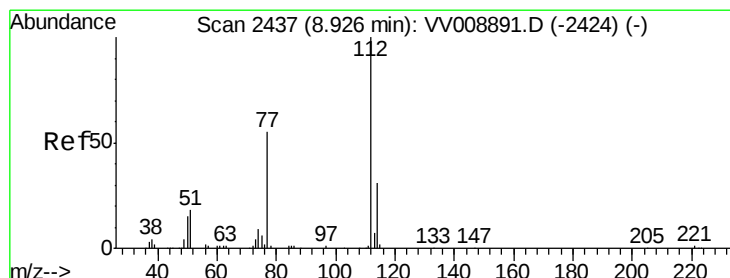
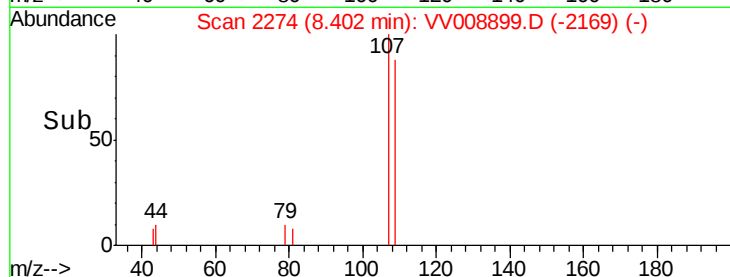
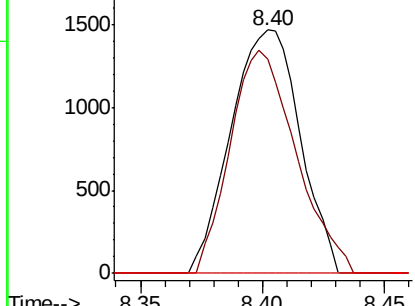


Abundance

Ion 107.00 (106.70 to 107.70): V

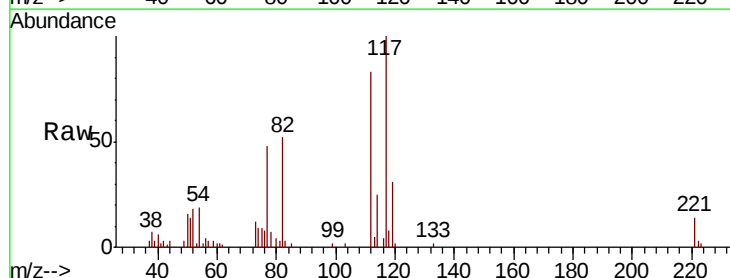
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52
 Chlorobenzene
 Concen: 1.246 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.1	44.6	66.8
114	30.2	22.6	42.0

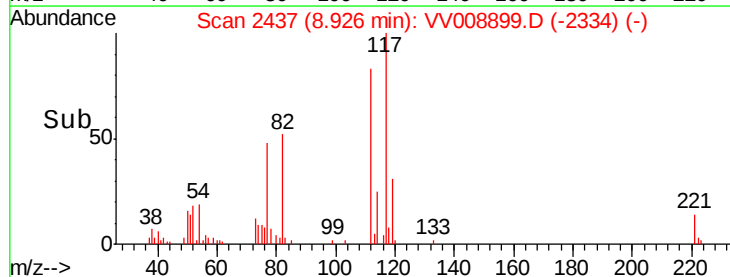
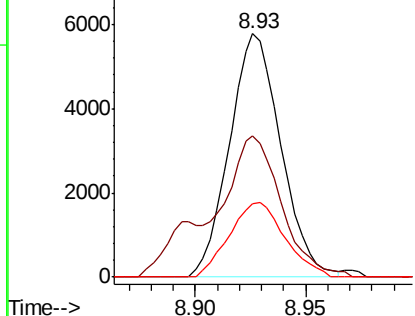


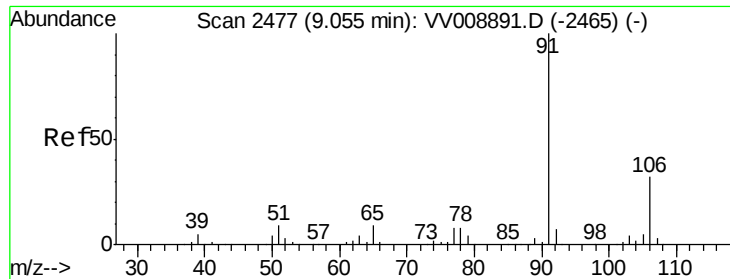
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 1.151 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Tot Ion: 91 Resp: 14418

Ion Ratio Lower Upper

91 100

106 29.6 21.3 39.5

Instrument :

MSVOA_V

ClientSampleId :

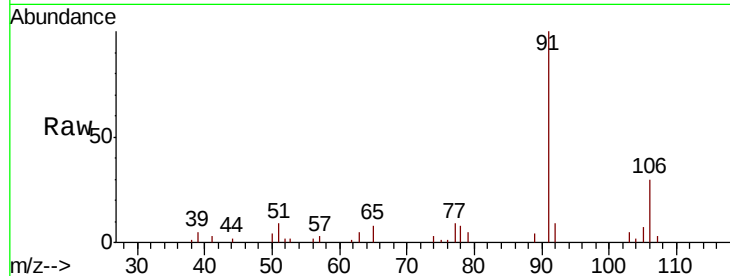
MDL07

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Abundance Ion 91.00 (90.70 to 91.70): VV008899.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008899.D (-2465) (-)

9.06

8000

6000

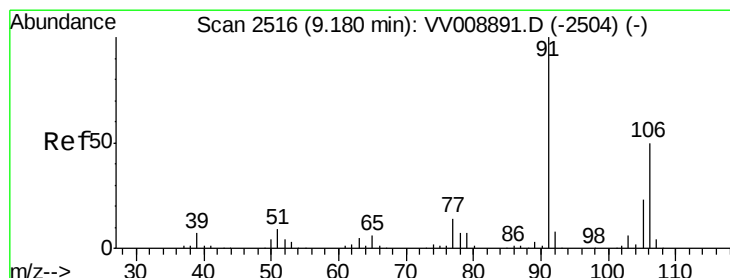
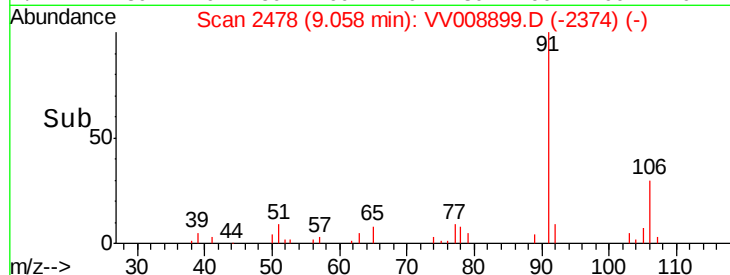
4000

2000

0

9.00 9.05 9.10

Time-->



#54

m,p-Xylene

Concen: 1.039 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008899.D

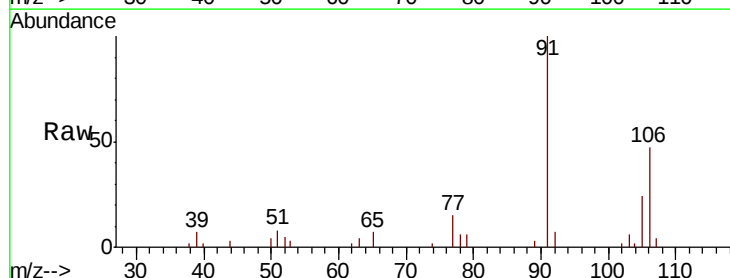
Acq: 11 Dec 2018 14:43

Tgt Ion: 106 Resp: 4928

Ion Ratio Lower Upper

106 100

91 211.4 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): VV008899.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV008899.D (-2504) (-)

9.18

6000

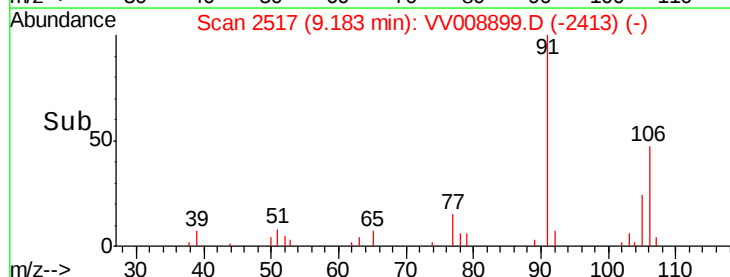
4000

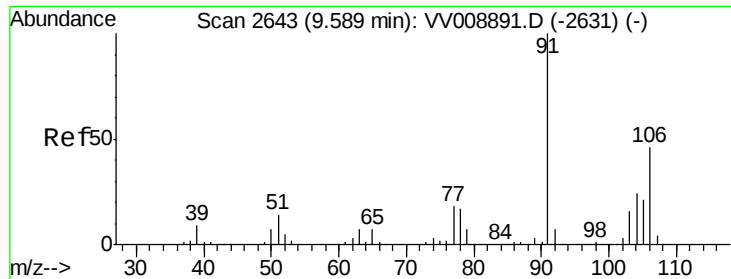
2000

0

9.15 9.20

Time-->





#55

o-xylene

Concen: 1.119 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tot Ion:106 Resp: 4932

Ion Ratio Lower Upper

106 100

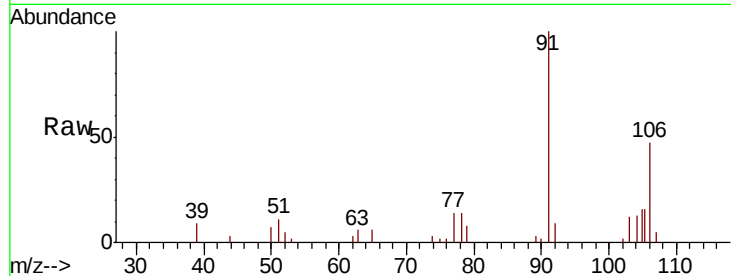
91 213.6 148.3 275.5

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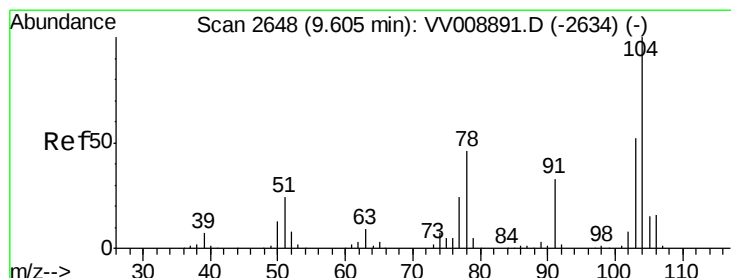
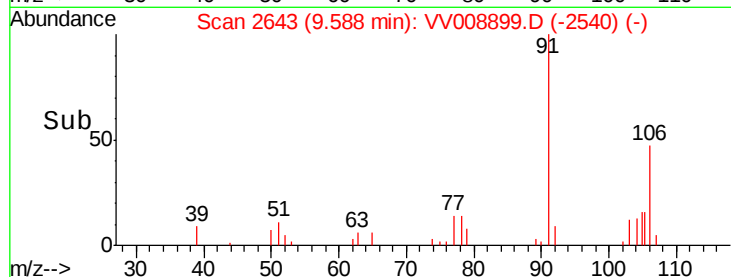
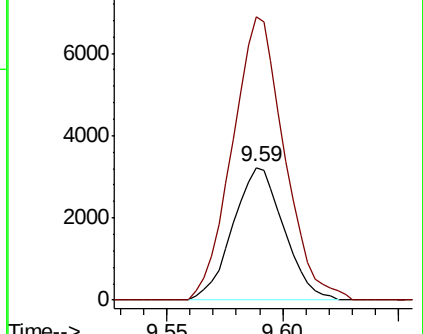
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 1.039 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008899.D

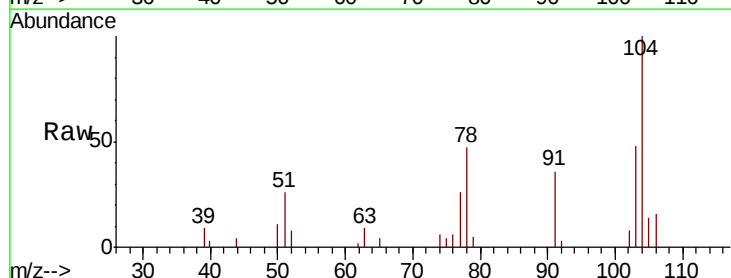
Acq: 11 Dec 2018 14:43

Tgt Ion:104 Resp: 7385

Ion Ratio Lower Upper

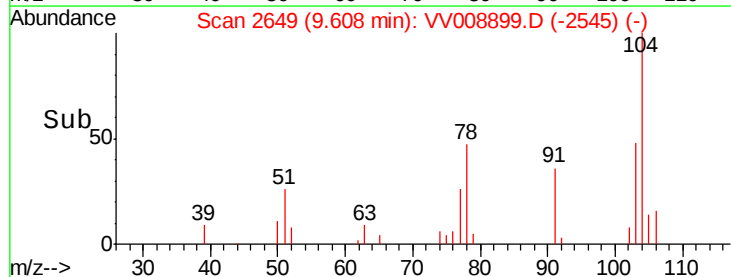
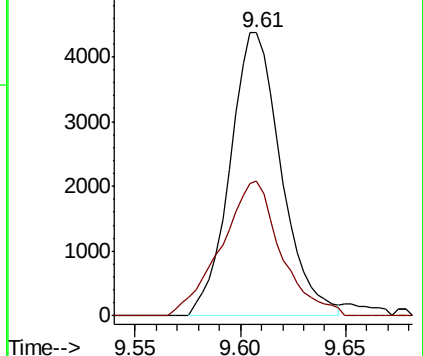
104 100

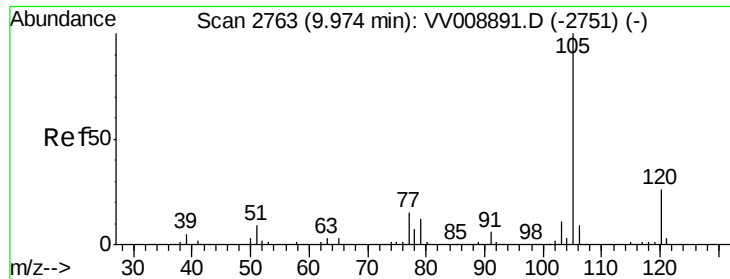
78 47.4 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 1.073 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

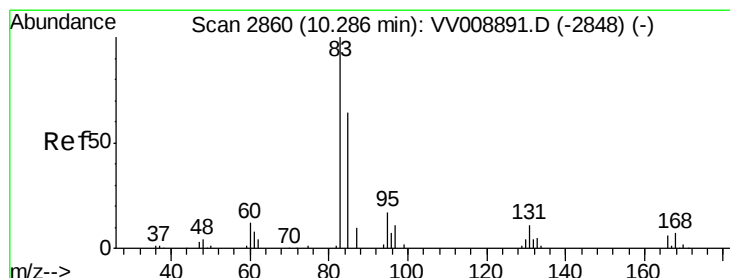
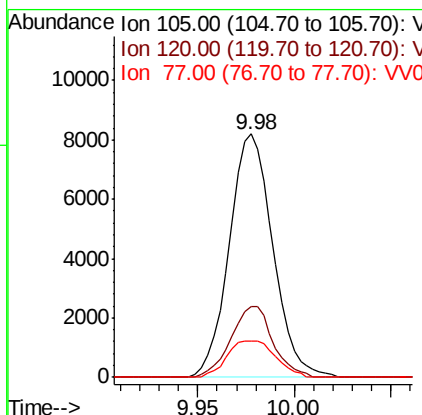
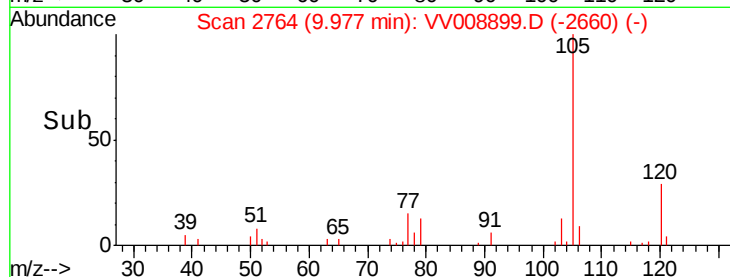
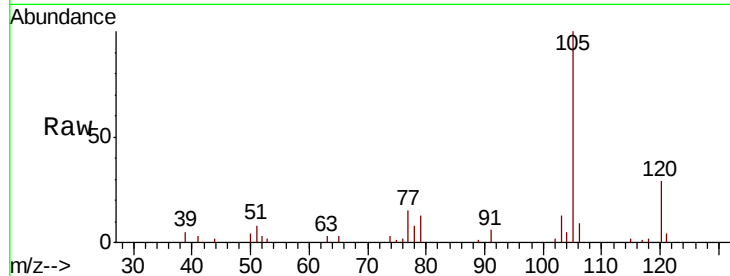
ClientSampleId :

MDL07

Tot Ion:	105	Resp:	12854
Ion Ratio	Lower	Upper	
105	100		
120	28.0	21.7	32.5
77	16.7	12.4	18.6

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.384 ug/L

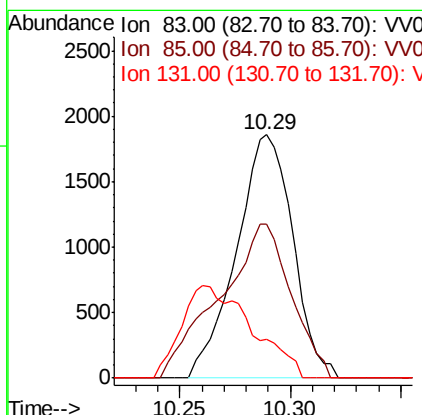
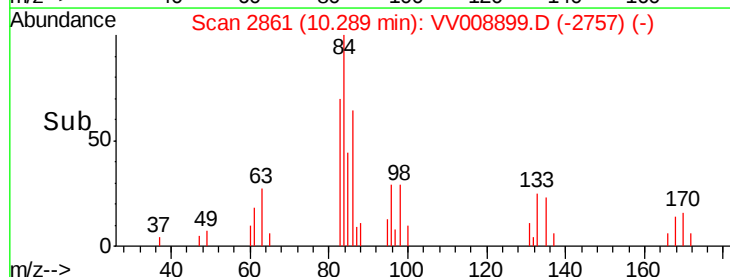
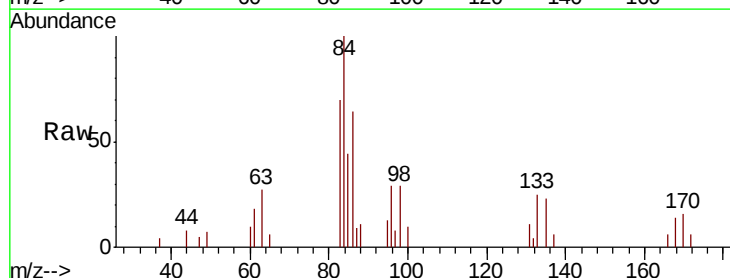
RT: 10.29 min Scan# 2861

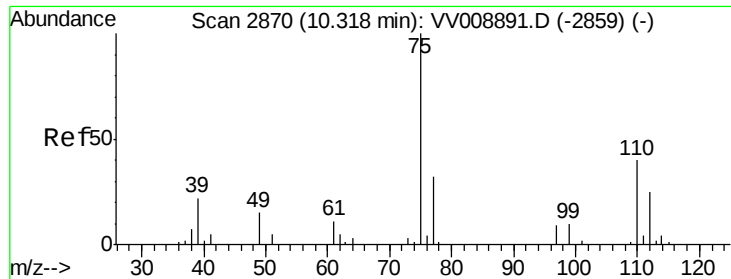
Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Tgt Ion:	83	Resp:	3294
Ion Ratio	Lower	Upper	
83	100		
85	63.3	44.3	82.3
131	16.0	7.8	11.8#





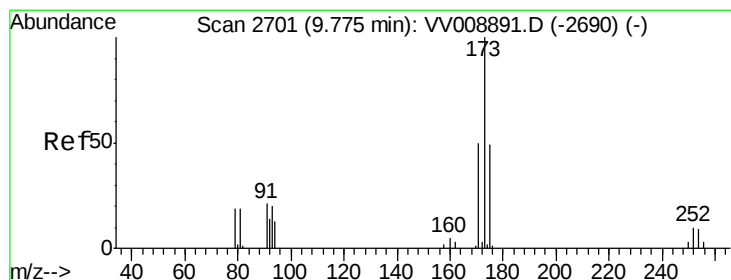
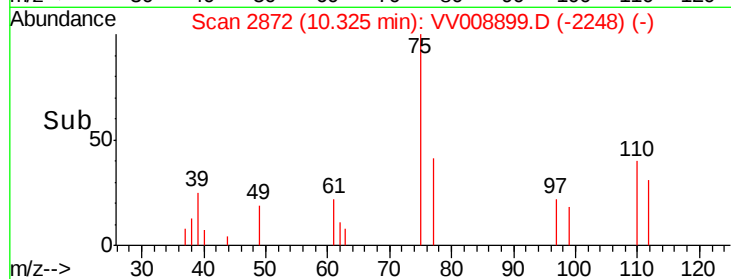
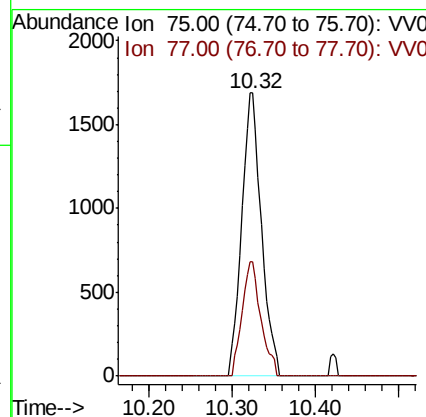
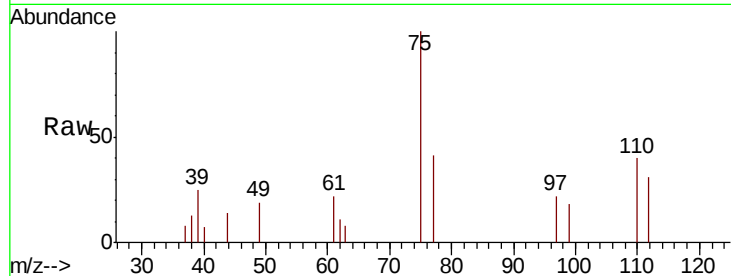
#59
 1,2,3-Trichloropropane
 Concen: 1.381 ug/L m
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.01 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 2844
 Ion Ratio Lower Upper
 75 100
 77 108.4 25.6 38.4#

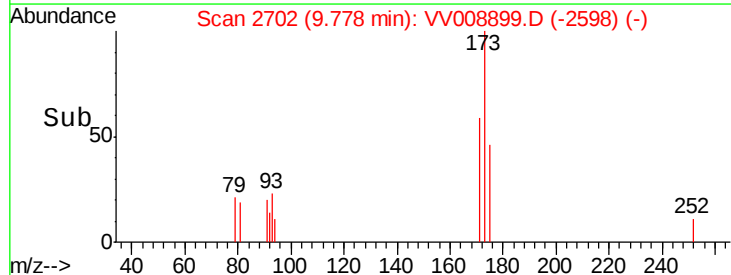
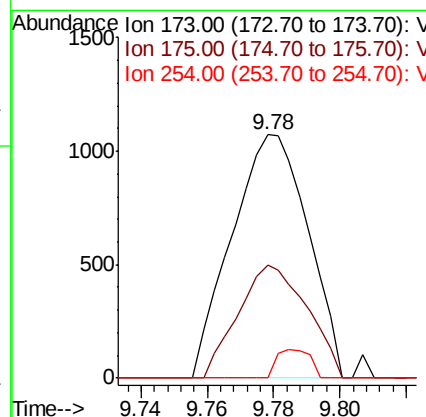
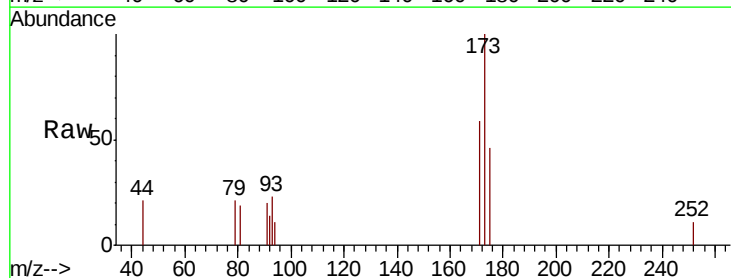
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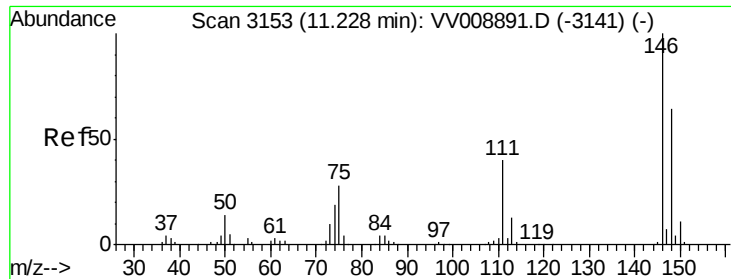
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#62
 Bromoform
 Concen: 1.209 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Tgt Ion: 173 Resp: 1710
 Ion Ratio Lower Upper
 173 100
 175 42.2 37.7 56.5
 254 5.2 7.1 10.7#





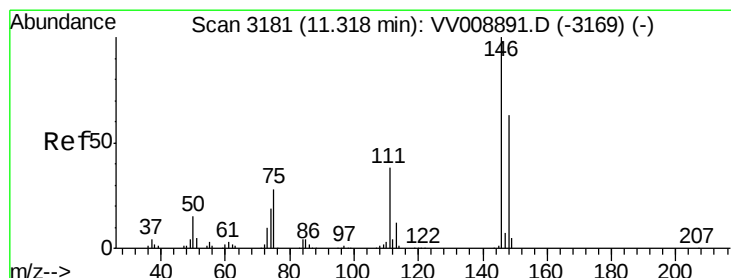
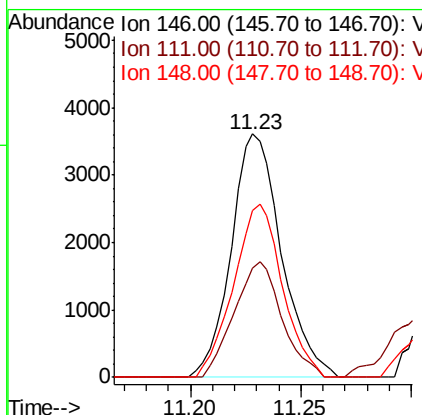
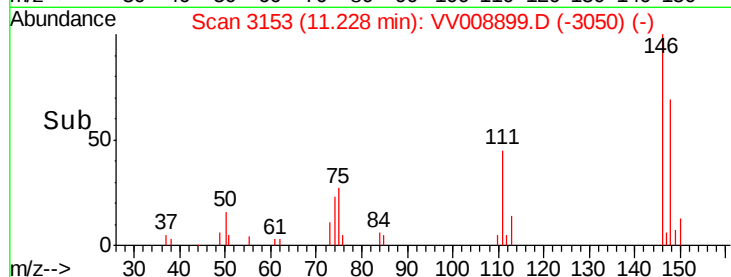
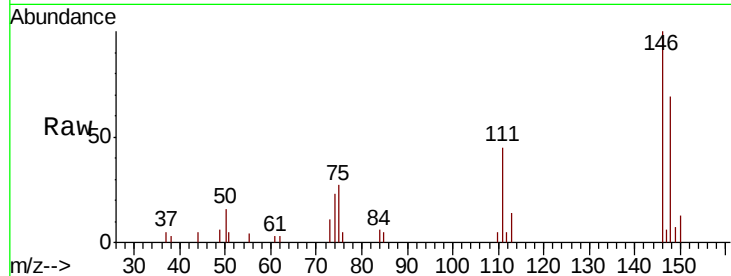
#63
 1,3-Dichlorobenzene
 Concen: 1.132 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	27.5	51.1
148	68.6	44.0	81.8

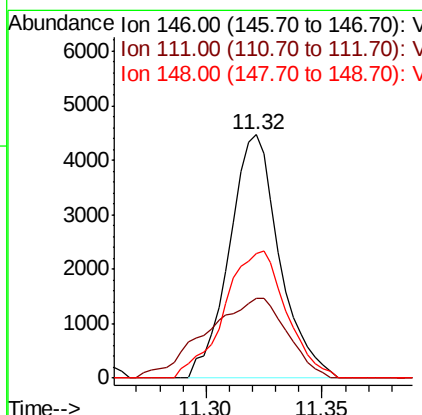
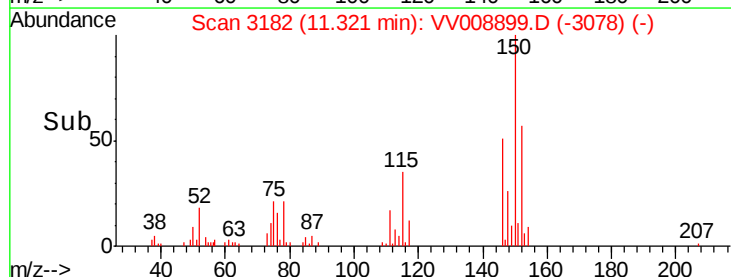
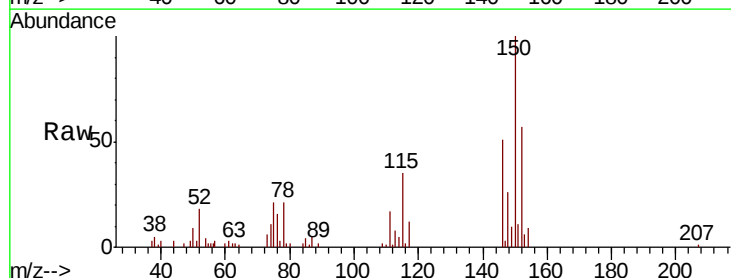
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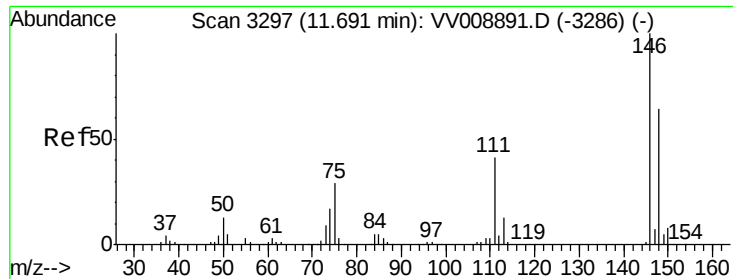
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#64
 1,4-Dichlorobenzene
 Concen: 1.292 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.7	26.8	49.8
148	51.0	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 1.364 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Instrument :

MSVOA_V

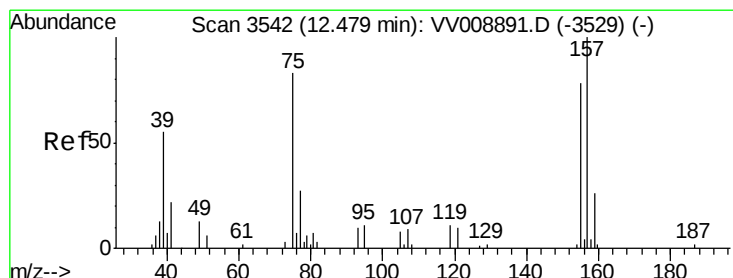
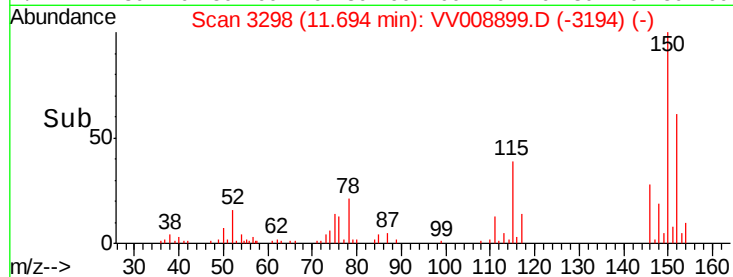
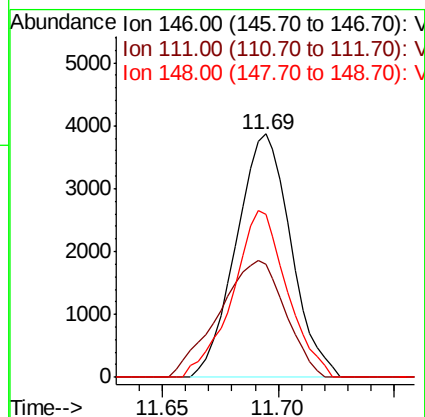
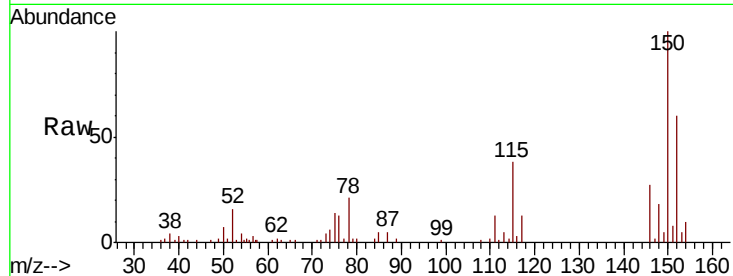
ClientSampleId :

MDL07

Tot Ion:	146	Resp:	6348
Ion	Ratio	Lower	Upper
146	100		
111	46.6	34.2	51.4
148	67.1	51.0	76.6

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.028 ug/L m

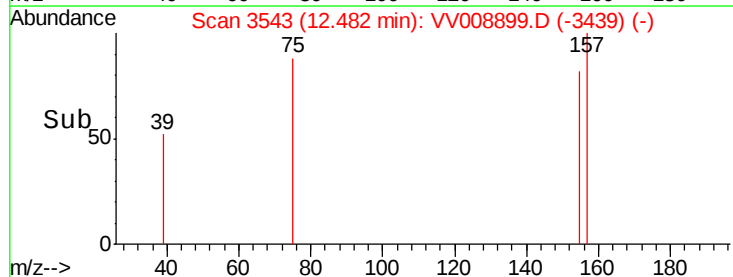
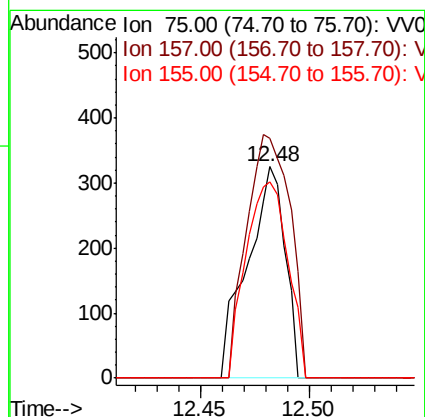
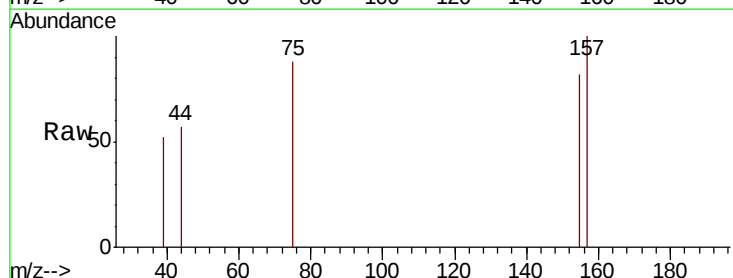
RT: 12.48 min Scan# 3543

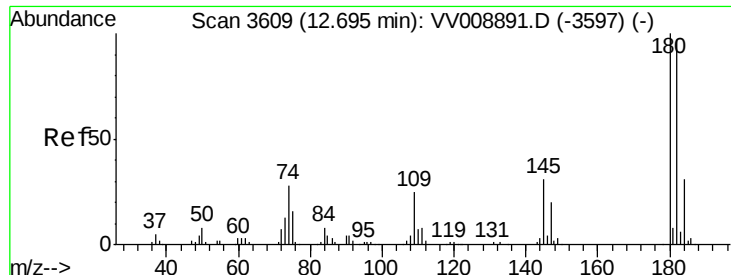
Delta R.T. 0.00 min

Lab File: VV008899.D

Acq: 11 Dec 2018 14:43

Tgt Ion:	75	Resp:	392
Ion	Ratio	Lower	Upper
75	100		
157	113.5	95.8	143.6
155	92.9	71.4	107.2





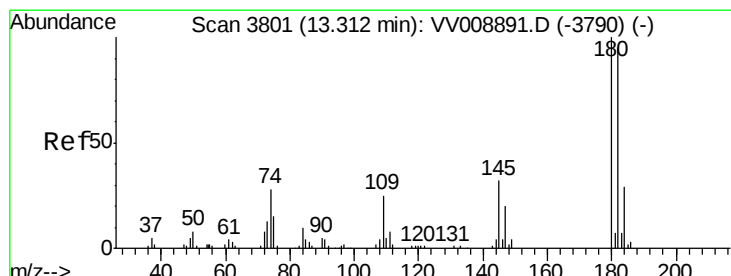
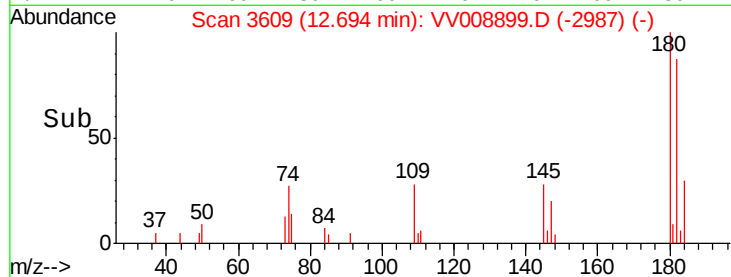
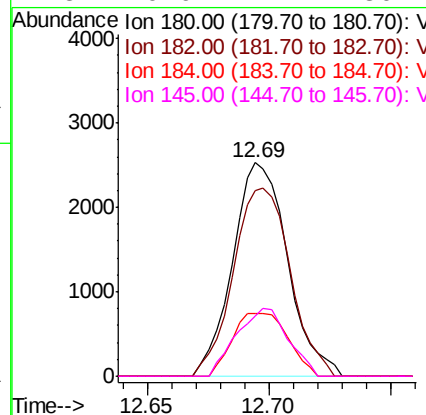
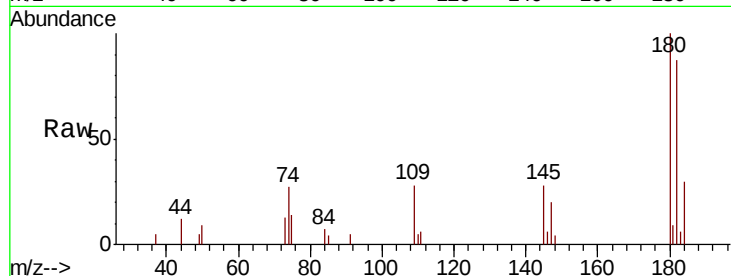
#67
 1,3,5-Trichlorobenzene
 Concen: 1.084 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tot Ion:	180	Resp:	3955
Ion Ratio	Lower	Upper	
180	100		
182	91.0	75.9	113.9
184	30.0	23.8	35.6
145	29.9	24.2	36.4

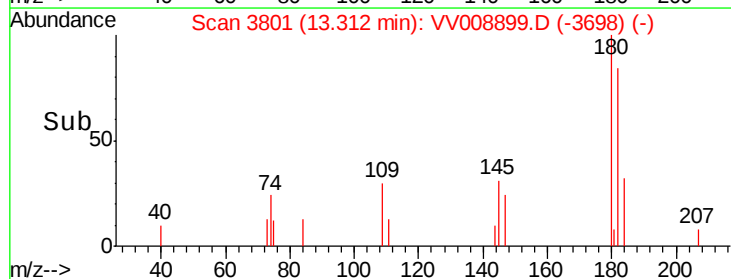
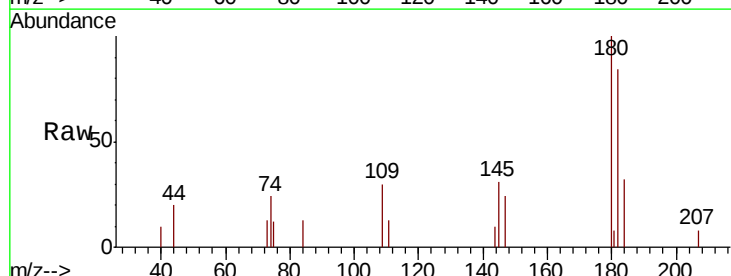
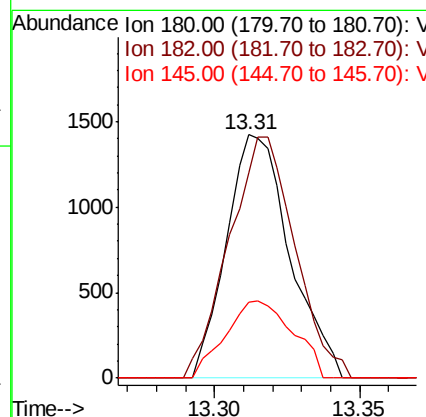
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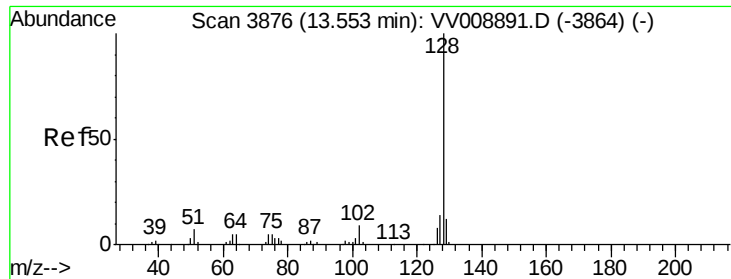
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#68
 1,2,4-trichlorobenzene
 Concen: 0.847 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008899.D
 Acq: 11 Dec 2018 14:43

Tgt Ion:	180	Resp:	2165
Ion Ratio	Lower	Upper	
180	100		
182	102.4	77.4	116.0
145	33.6	25.6	38.4





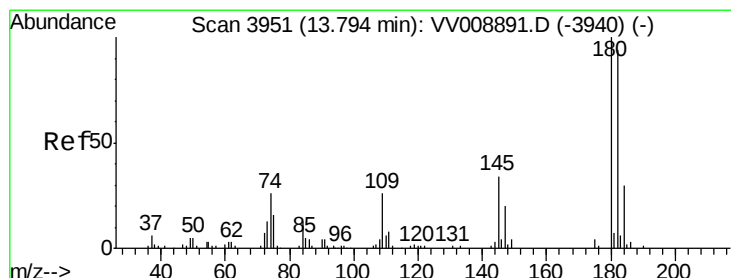
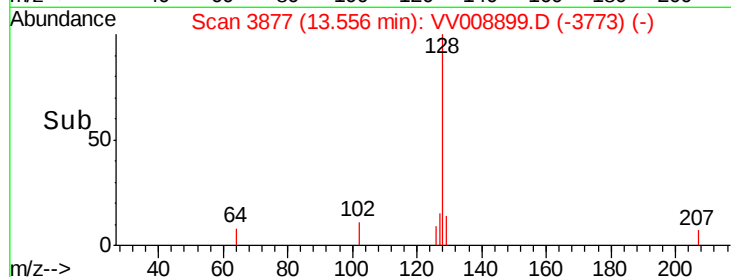
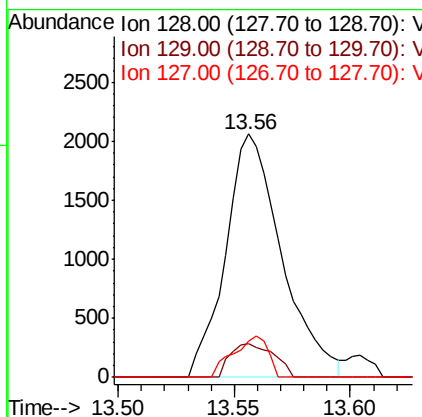
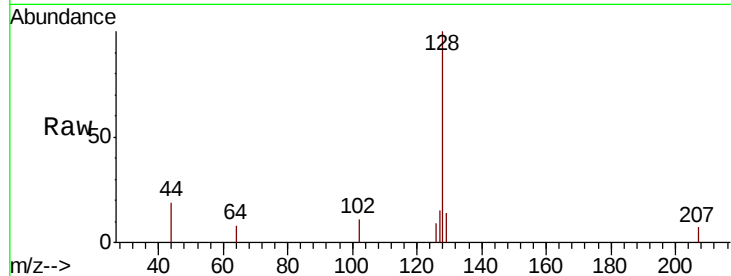
#69
Naphthalene
Concen: 0.787 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	10.5	10.0	15.0

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#70
1,2,3-Trichlorobenzene
Concen: 0.924 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV008899.D
Acq: 11 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.0	76.1	114.1
145	34.9	26.7	40.1

