

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
 Data File : VV006991.D
 Acq On : 10 Aug 2018 18:41
 Operator : SY/MD
 Sample : MDL02
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

apatel
 8/13/2018 5:34:52 PM

Quant Time: Aug 11 00:27:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 11 00:19:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	246150	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	235609	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	96738	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67313	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.58	69	61753	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.13	63	91040	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	3.97	46	226897	49.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	4.41	84	153943	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.09	65	78729	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.10	84	282510	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	100603	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.36	98	209688	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	7.67	79	29673	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.15	63	119159	40.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.96%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	74089	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	78885	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4733	0.20 ug/L	96
3) Chloromethane	1.25	50	5122	0.22 ug/L	92
5) Vinyl chloride	1.32	62	5140	0.22 ug/L #	74
6) Bromomethane	1.53	94	1280	0.25 ug/L	91
8) Chloroethane	1.60	64	2875	0.20 ug/L	98
9) Trichlorofluoromethane	1.77	101	6123	0.20 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4468	0.25 ug/L	87
12) 1,1-Dichloroethene	2.14	96	4615	0.26 ug/L #	1
13) Acetone	2.20	43	6278	2.67 ug/L	95
14) Carbon disulfide	2.32	76	11820	0.20 ug/L #	83
15) Methyl Acetate	2.47	43	1713	0.26 ug/L #	72
16) Methylene chloride	2.54	84	6069	0.28 ug/L	96
17) Methyl tert-butyl Ether	2.82	73	8709	0.21 ug/L #	87
18) trans-1,2-Dichloroethene	2.79	96	4404	0.23 ug/L	90
19) 1,1-Dichloroethane	3.23	63	6891	0.20 ug/L	90
21) 2-Butanone	4.06	43	11632	2.28 ug/L #	68
22) cis-1,2-Dichloroethene	3.96	96	4723	0.22 ug/L	88

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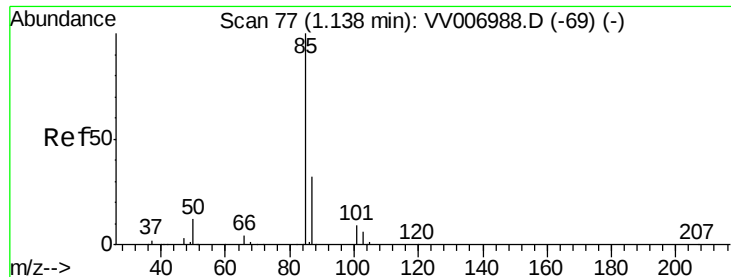
apatel
 8/13/2018 5:34:52 PM

Quant Time: Aug 11 00:27:51 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	1933m	0.22	ug/L	
25) Chloroform	4.44	83	8607	0.23	ug/L	96
27) 1,2-Dichloroethane	5.19	62	4886	0.21	ug/L #	95
29) 1,1,1-Trichloroethane	4.66	97	6197	0.20	ug/L	97
30) Cyclohexane	4.72	56	5802	0.18	ug/L #	91
31) Carbon tetrachloride	4.88	117	5341	0.20	ug/L	96
33) Benzene	5.15	78	15165	0.19	ug/L	100
34) Trichloroethene	5.96	95	3904	0.20	ug/L	95
35) Methylcyclohexane	6.18	83	5181	0.16	ug/L	92
37) 1,2-Dichloropropane	6.23	63	4410	0.20	ug/L #	93
38) Bromodichloromethane	6.56	83	4859	0.19	ug/L #	98
39) cis-1,3-Dichloropropene	7.08	75	4865	0.18	ug/L	92
40) 4-Methyl-2-pentanone	7.29	43	18344	1.52	ug/L #	89
42) Toluene	7.44	91	13697	0.17	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	3804	0.17	ug/L	88
45) 1,1,2-Trichloroethane	7.89	97	2959	0.20	ug/L	98
47) Tetrachloroethene	8.02	164	3241	0.20	ug/L	96
48) 2-Hexanone	8.20	43	30271	3.56	ug/L	96
49) Dibromochloromethane	8.29	129	3174	0.21	ug/L	92
50) 1,2-Dibromoethane	8.40	107	2275	0.19	ug/L #	82
51) Chlorobenzene	8.93	112	9672	0.19	ug/L	94
52) Ethylbenzene	9.06	91	13819	0.18	ug/L	99
53) m,p-xylene	9.19	106	4742	0.16	ug/L	100
54) o-xylene	9.59	106	4504	0.16	ug/L	99
55) Styrene	9.61	104	6944	0.15	ug/L	90
56) Isopropylbenzene	9.98	105	11007	0.15	ug/L #	95
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	3458	0.20	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2132	0.17	ug/L #	64
61) Bromoform	9.78	173	1485	0.20	ug/L	96
62) 1,3-Dichlorobenzene	11.24	146	6404	0.20	ug/L	96
63) 1,4-Dichlorobenzene	11.33	146	6422	0.20	ug/L	93
65) 1,2-Dichlorobenzene	11.70	146	6238	0.20	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.49	75	382	0.17	ug/L #	58
67) 1,3,5-Trichlorobenzene	12.70	180	4297	0.18	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	2586	0.15	ug/L	97
69) Naphthalene	13.56	128	2904	0.12	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.80	180	2427	0.14	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.20 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 4733

Ion Ratio Lower Upper

85 100

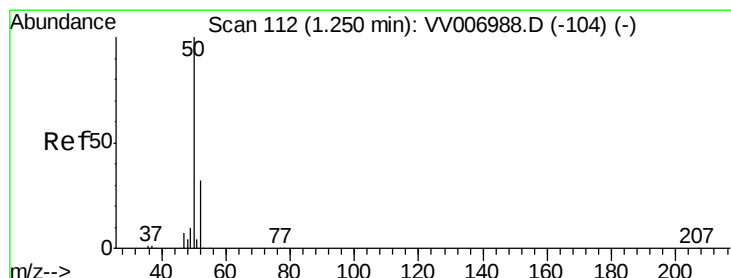
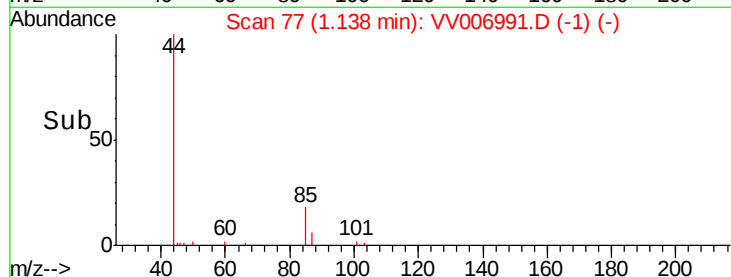
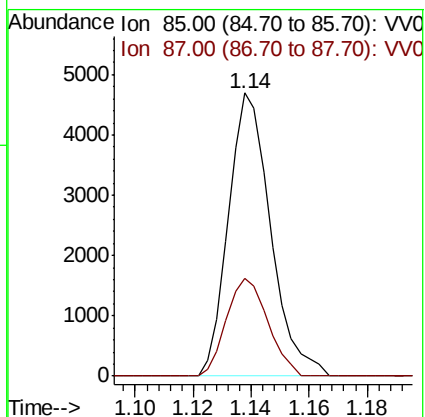
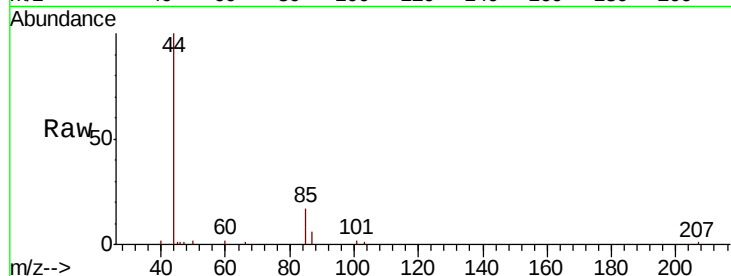
87 33.9 25.4 38.2

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#3

Chloromethane

Concen: 0.22 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006991.D

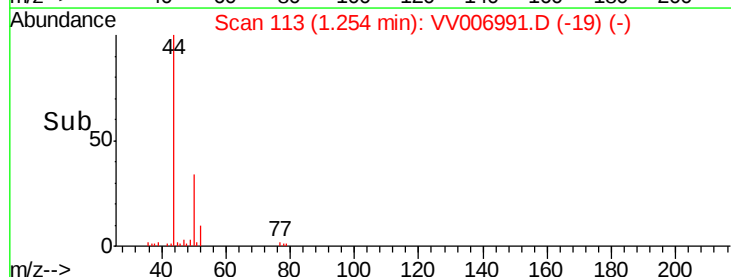
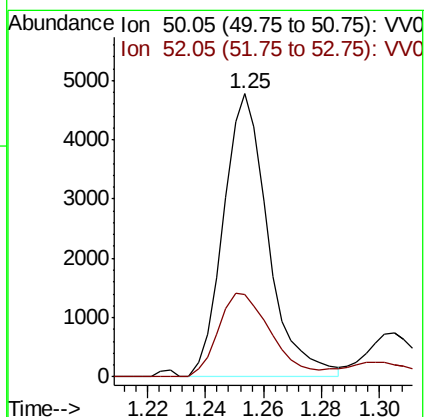
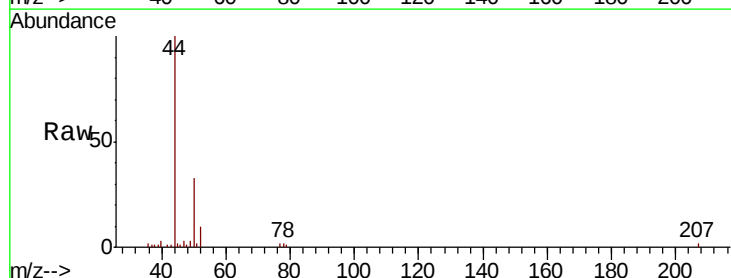
Acq: 10 Aug 2018 18:41

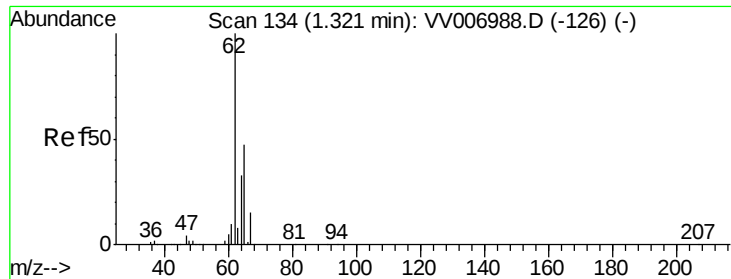
Tgt Ion: 50 Resp: 5122

Ion Ratio Lower Upper

50 100

52 29.2 23.6 43.8





#5

Vinyl chloride

Concen: 0.22 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 62 Resp: 5140

Ion Ratio Lower Upper

62 100

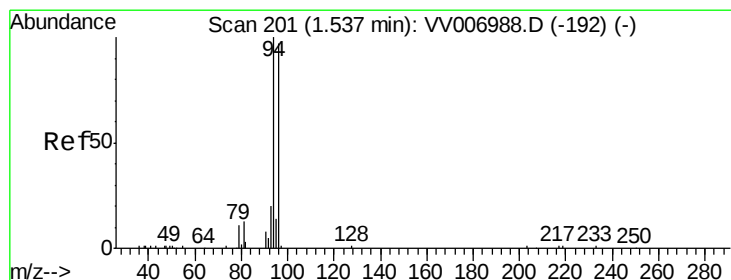
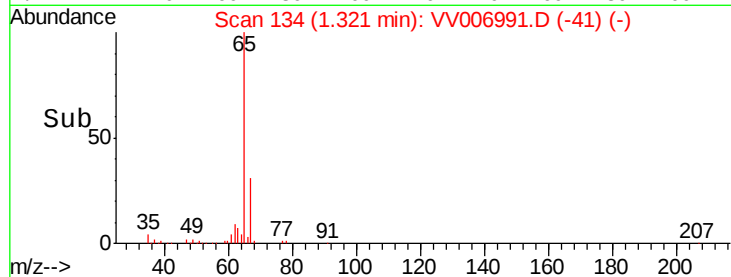
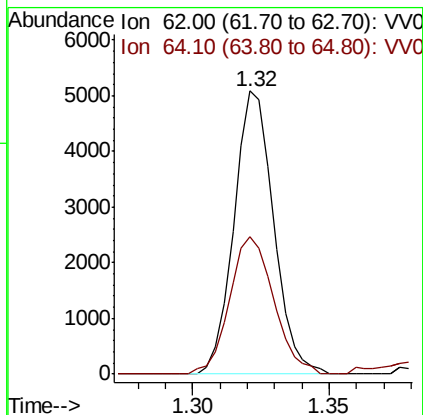
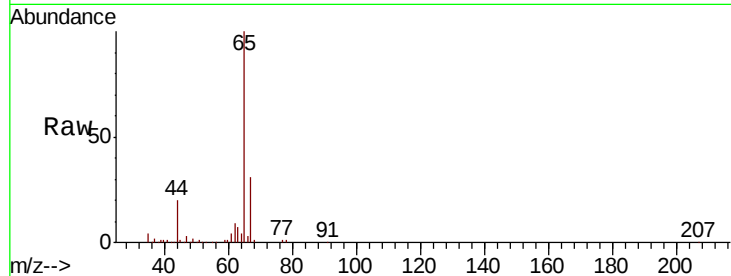
64 48.6 23.5 43.7#

Manual Integrations

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#6

Bromomethane

Concen: 0.25 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV006991.D

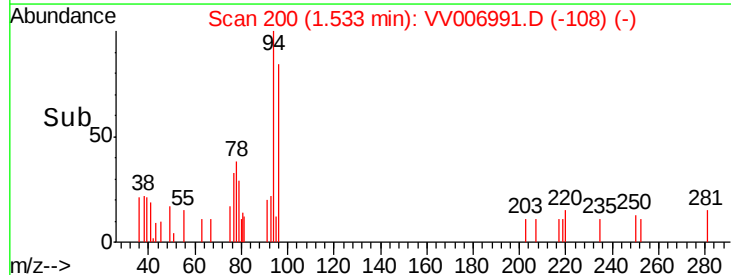
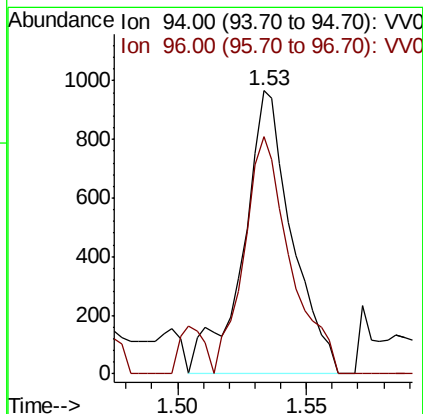
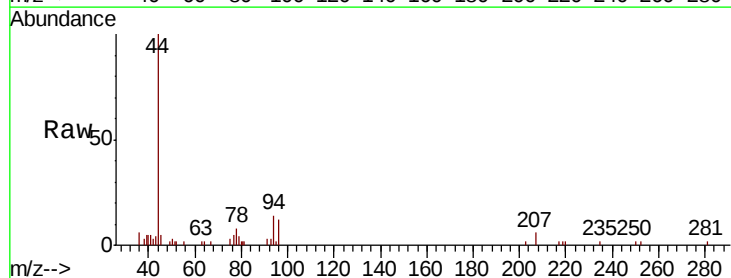
Acq: 10 Aug 2018 18:41

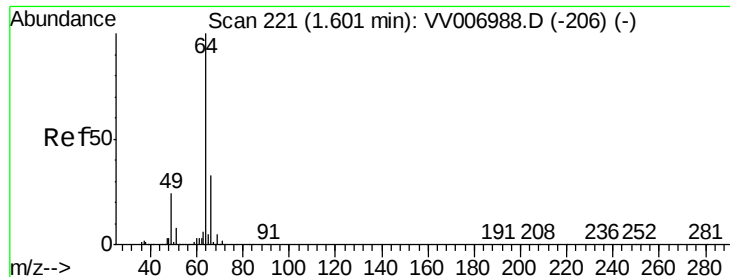
Tgt Ion: 94 Resp: 1280

Ion Ratio Lower Upper

94 100

96 83.9 65.0 120.6





#8

Chloroethane

Concen: 0.20 ug/L

RT: 1.60 min Scan# 220

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 64 Resp: 2875

Ion Ratio Lower Upper

64 100

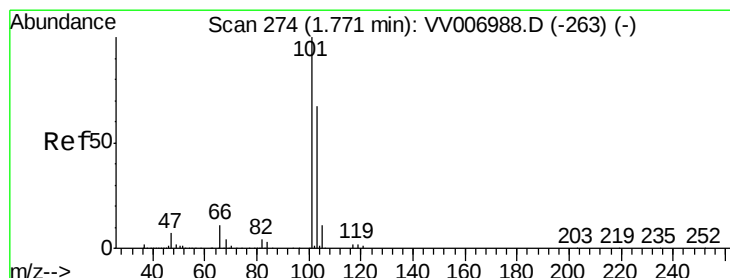
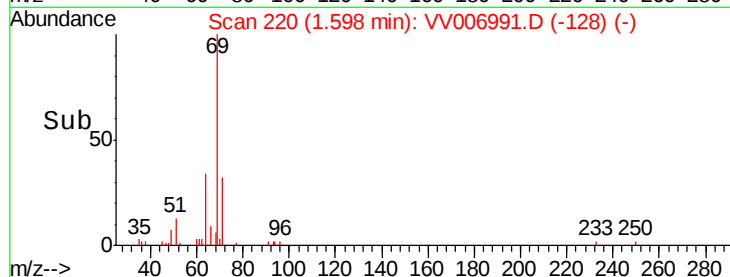
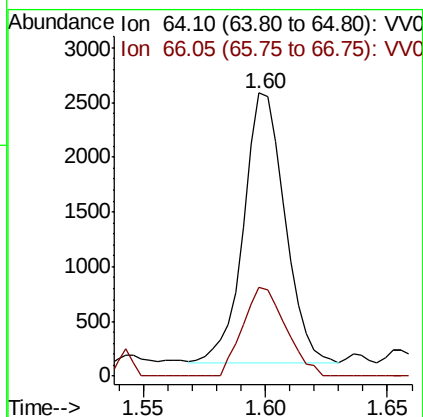
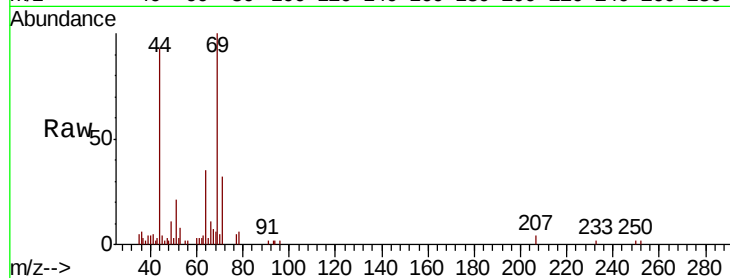
66 31.4 22.6 42.0

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.20 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV006991.D

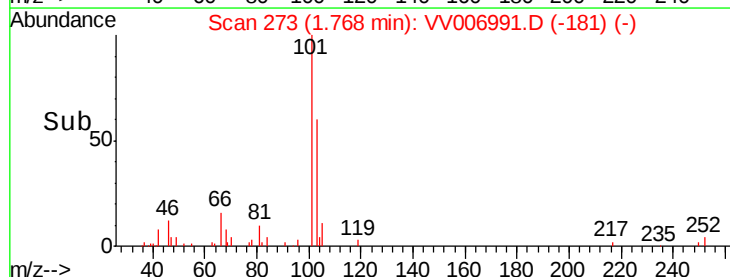
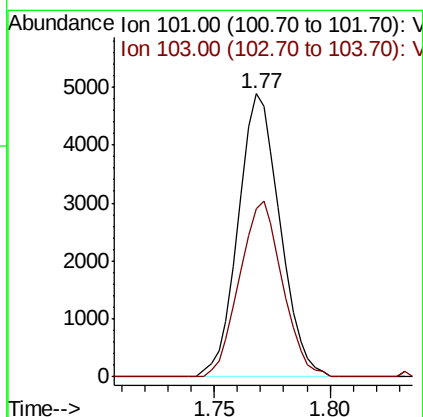
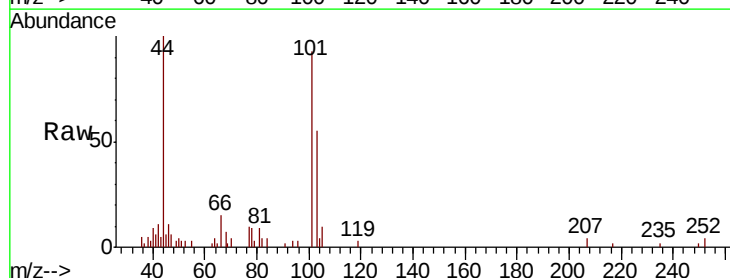
Acq: 10 Aug 2018 18:41

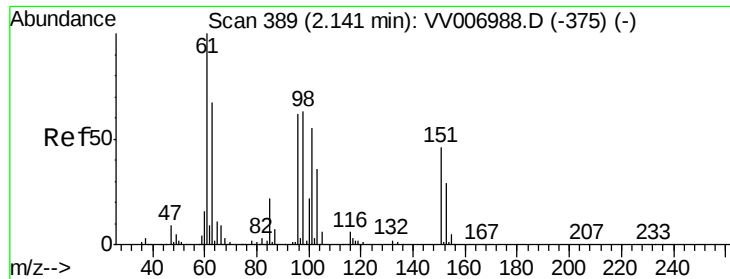
Tgt Ion: 101 Resp: 6123

Ion Ratio Lower Upper

101 100

103 63.7 52.7 79.1





#10

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

Concen: 0.25 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

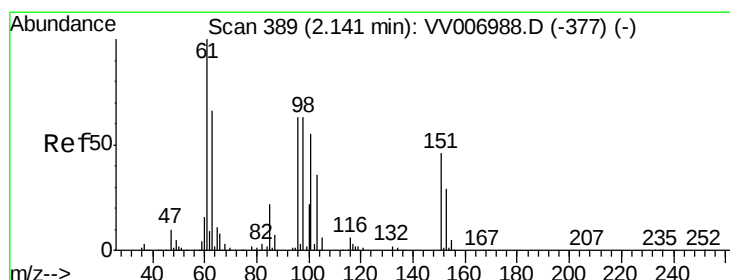
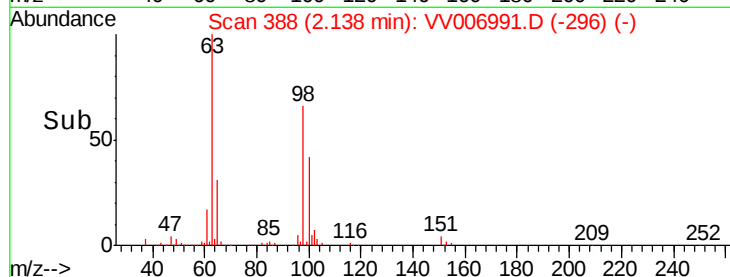
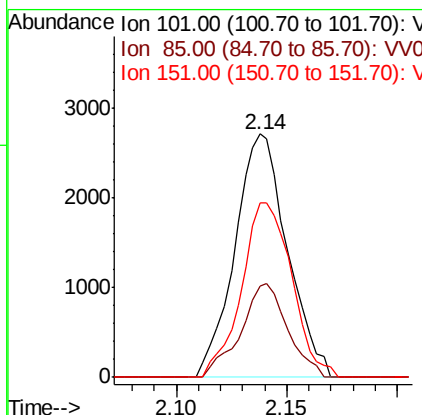
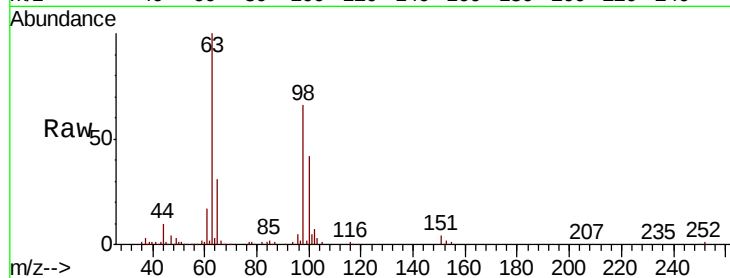
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	4468
Ion Ratio	Lower	Upper	
101	100		
85	34.5	33.9	50.9
151	69.0	64.1	96.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.26 ug/L

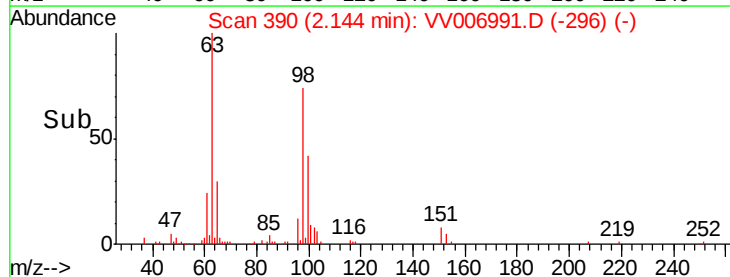
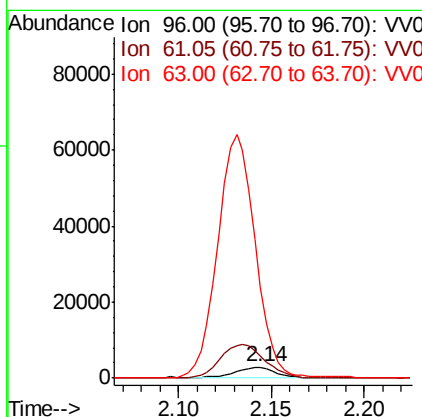
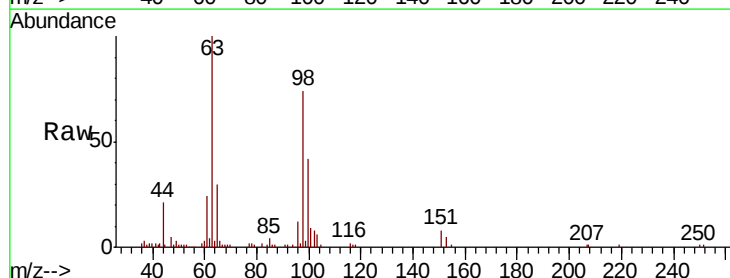
RT: 2.14 min Scan# 390

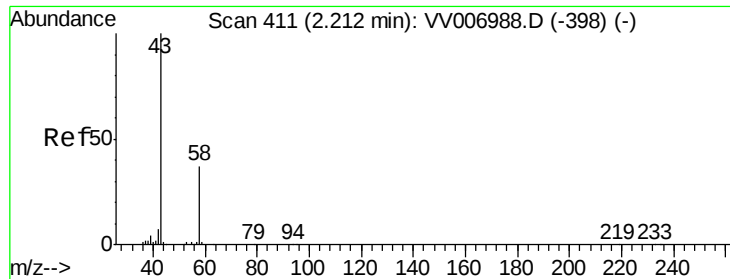
Delta R.T. 0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Tgt Ion:	96	Resp:	4615
Ion Ratio	Lower	Upper	
96	100		
61	200.7	111.6	207.4
63	843.5	84.9	157.7#





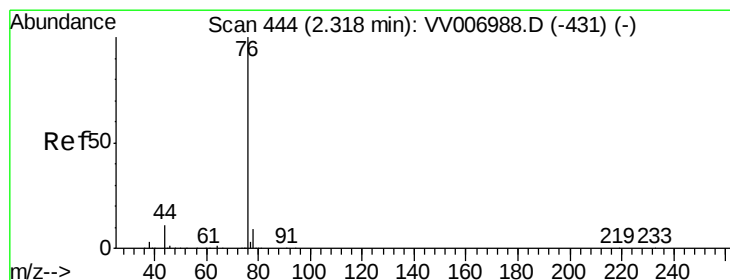
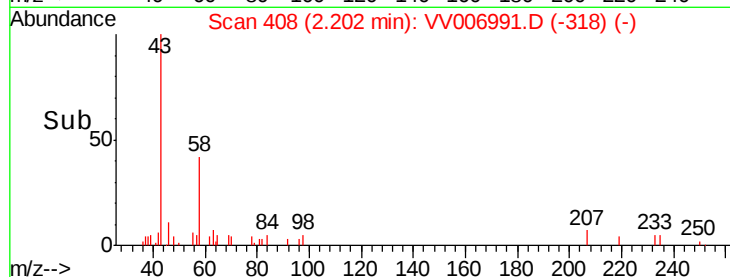
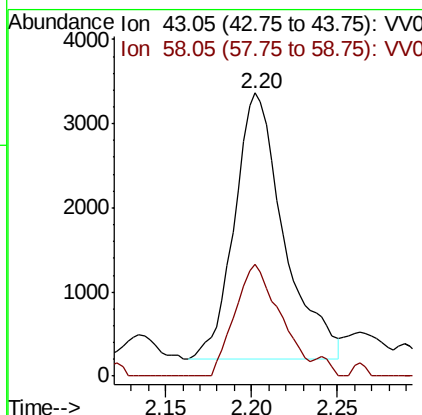
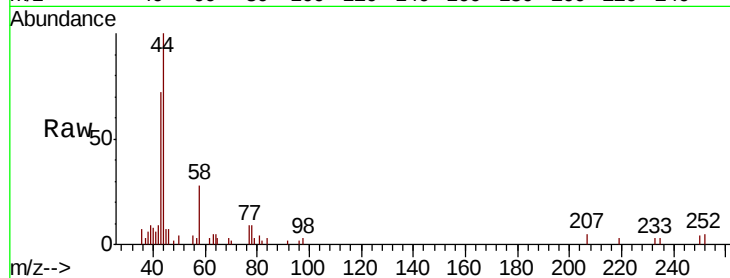
#13
Acetone
Concen: 2.67 ug/L
RT: 2.20 min Scan# 408
Delta R.T. -0.01 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	0.0	71.4

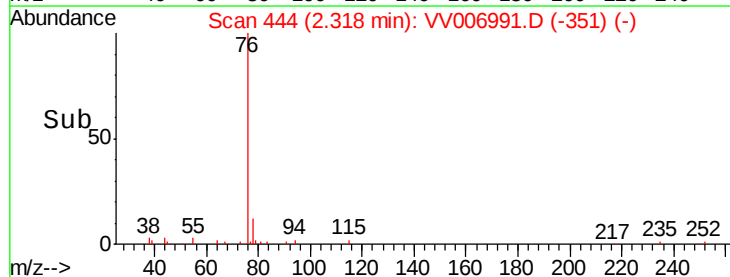
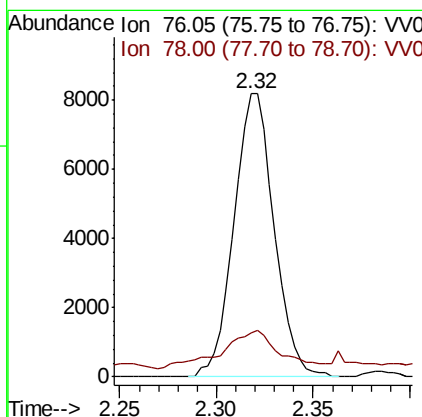
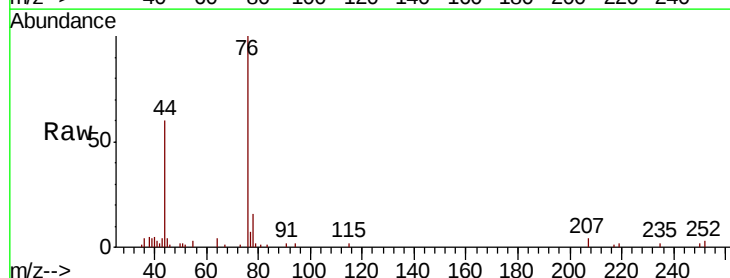
Manual Integrations
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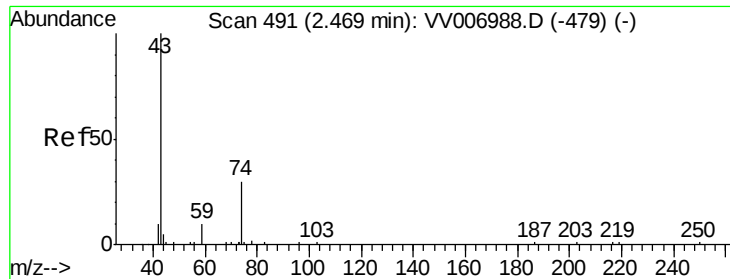
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#14
Carbon disulfide
Concen: 0.20 ug/L
RT: 2.32 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
76	100		
78	15.6	7.6	11.4#





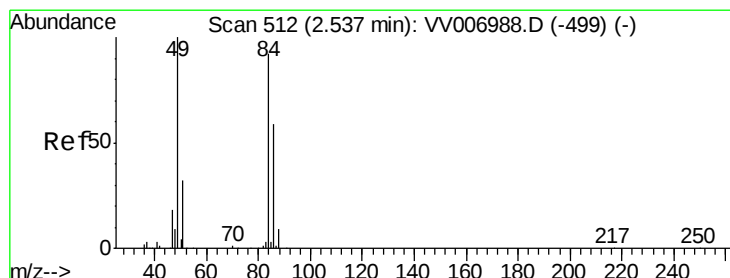
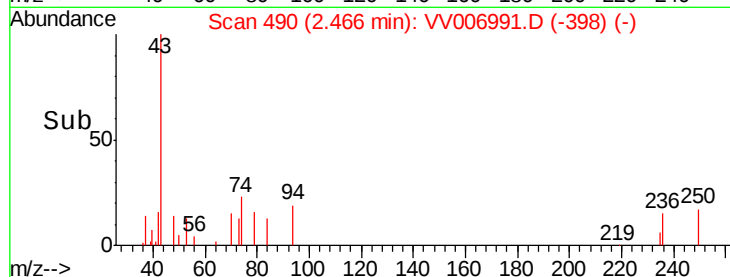
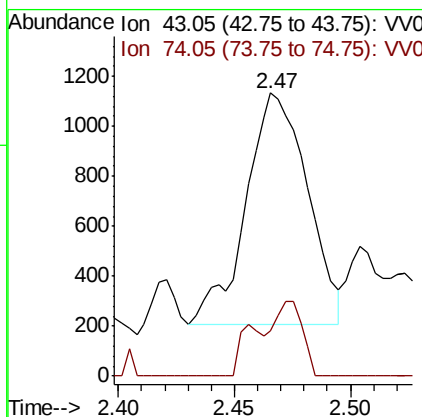
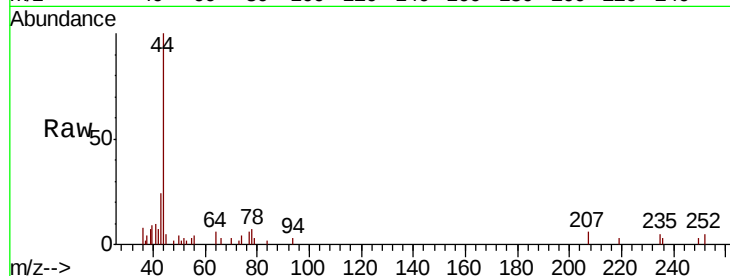
#15
Methyl Acetate
Concen: 0.26 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion: 43 Resp: 1713
Ion Ratio Lower Upper
43 100
74 15.3 24.6 37.0#

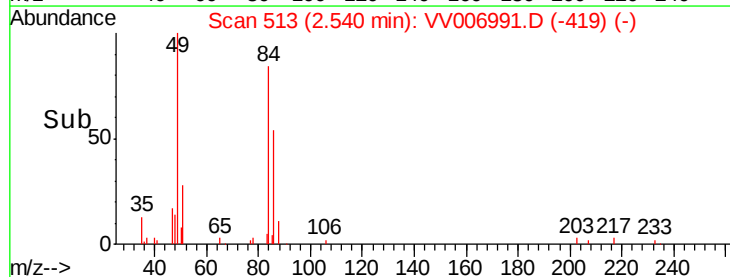
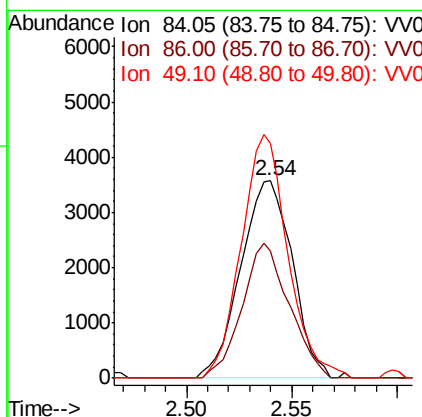
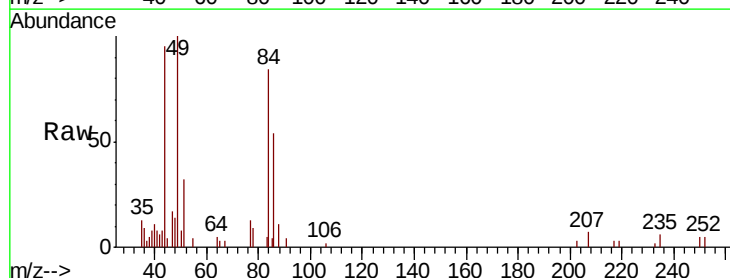
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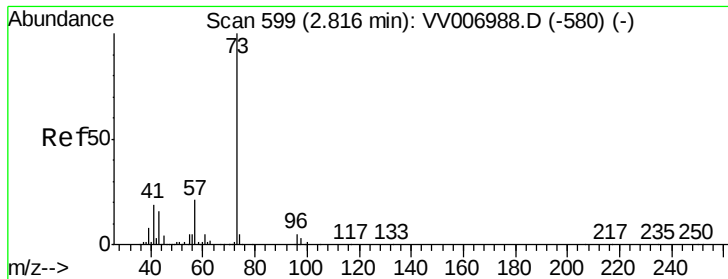
apatel
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#16
Methylene chloride
Concen: 0.28 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 84 Resp: 6069
Ion Ratio Lower Upper
84 100
86 64.4 45.7 84.9
49 119.2 78.8 146.4





#17

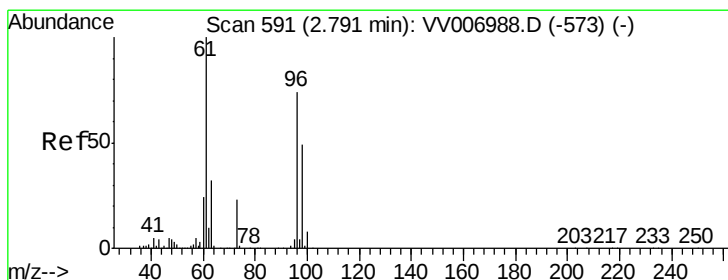
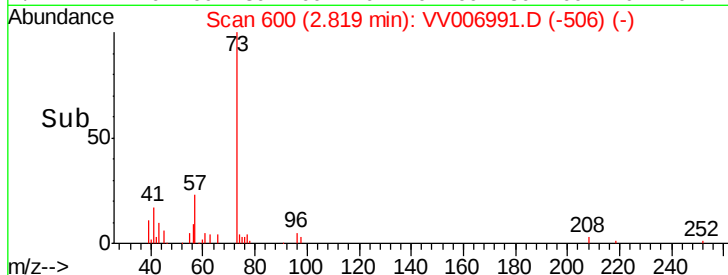
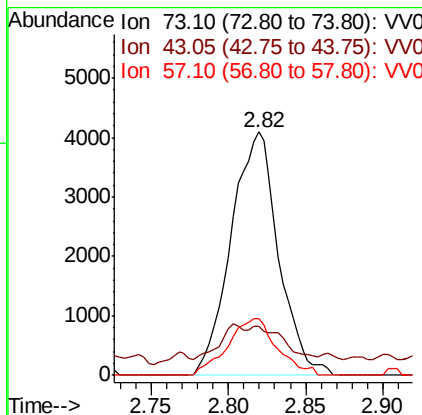
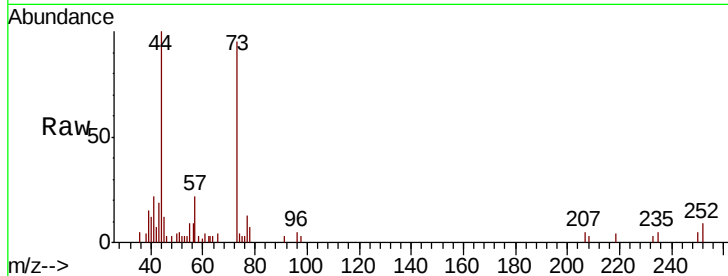
Methvl tert-butvl Ether
 Concen: 0.21 ug/L
 RT: 2.82 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
73	100		
43	6.9	14.4	21.6#
57	24.2	17.9	26.9

Manual Integrations
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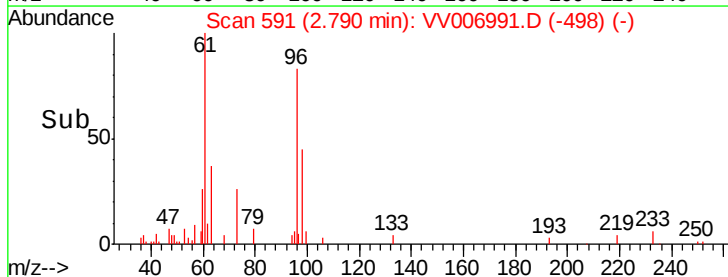
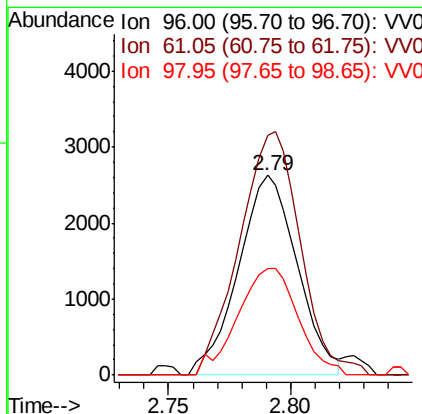
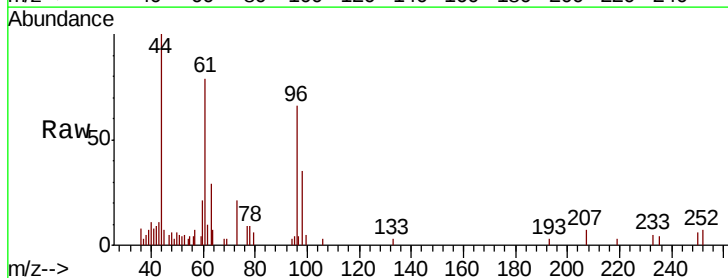
apatel
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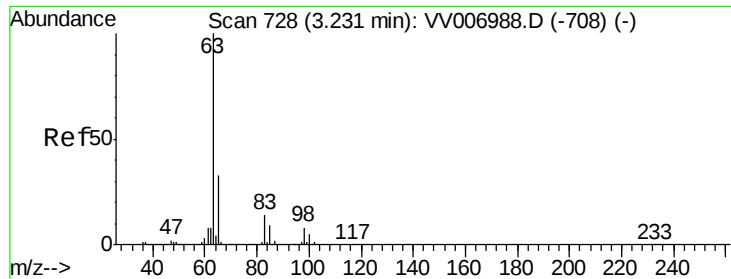


#18

trans-1,2-Dichloroethene
 Concen: 0.23 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.8	91.1	169.3
98	53.4	43.5	80.9





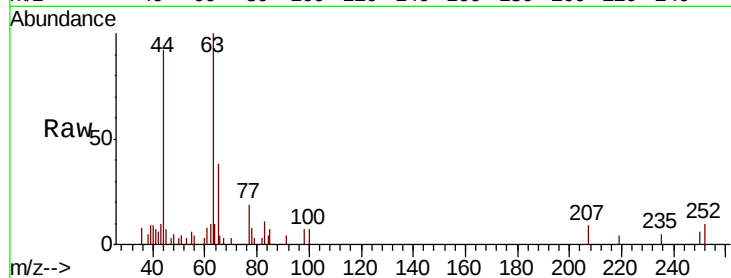
#19
 1,1-Dichloroethane
 Concen: 0.20 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

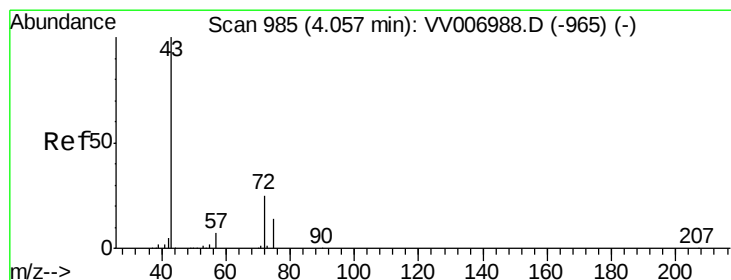
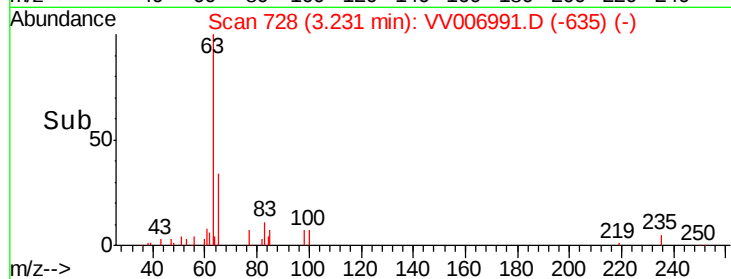
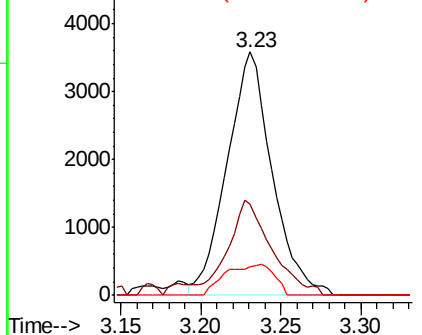
Tot Ion	Ratio	Lower	Upper
63	100		
65	37.5	21.7	40.3
83	11.5	10.0	18.6

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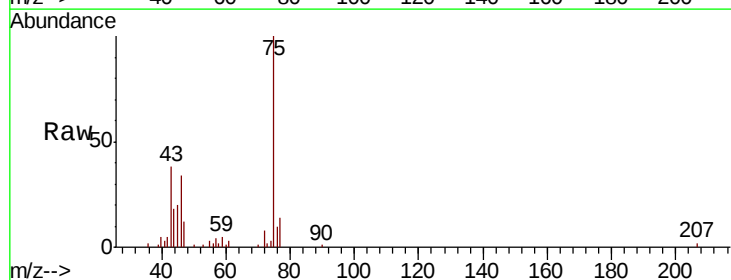


Abundance Ion 63.10 (62.80 to 63.80): VV006988.D (-708) (-)
 Ion 65.10 (64.80 to 65.80): VV006988.D (-708) (-)
 Ion 83.05 (82.75 to 83.75): VV006988.D (-708) (-)

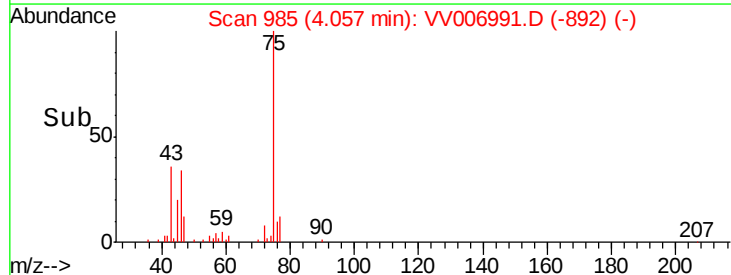
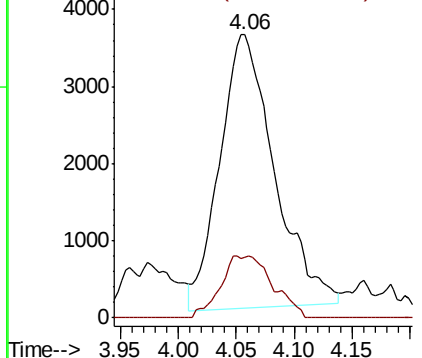


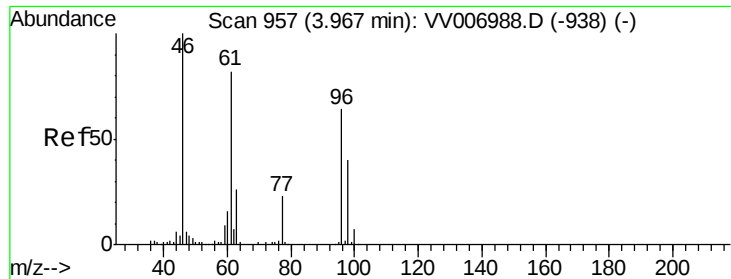
#21
 2-Butanone
 Concen: 2.28 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	9.0	12.4	37.2#



Abundance Ion 43.05 (42.75 to 43.75): VV006988.D (-965) (-)
 Ion 72.10 (71.80 to 72.80): VV006988.D (-965) (-)





#22

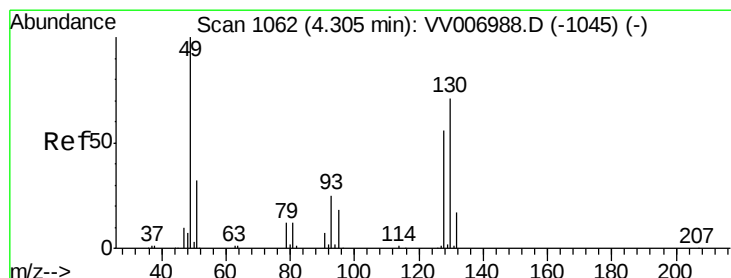
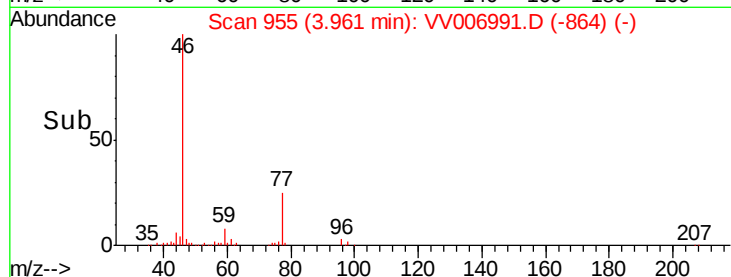
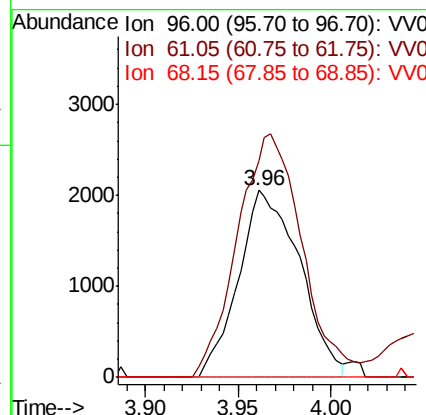
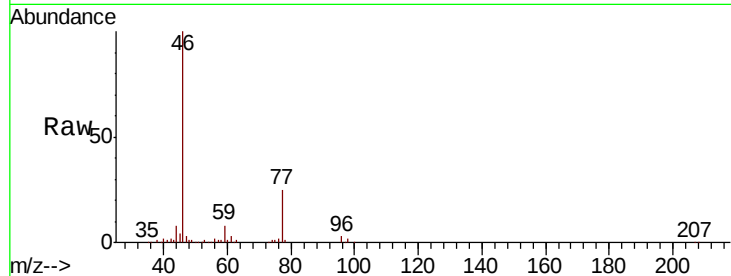
cis-1,2-Dichloroethene
Concen: 0.22 ug/L
RT: 3.96 min Scan# 955
Delta R.T. -0.01 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	116.2	91.1	169.1
68	0.0	0.0	0.0

Manual Integrations
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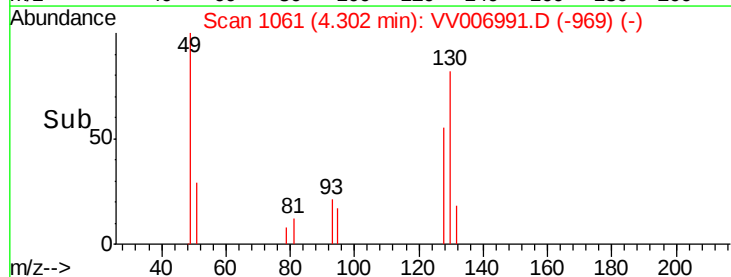
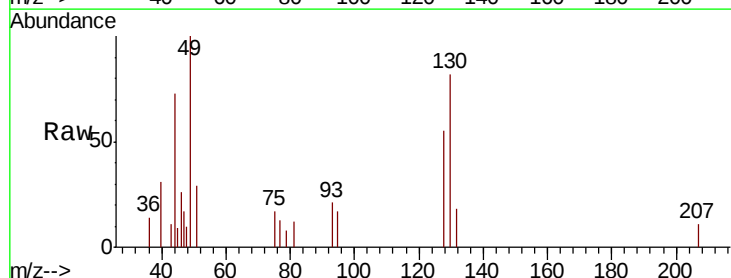
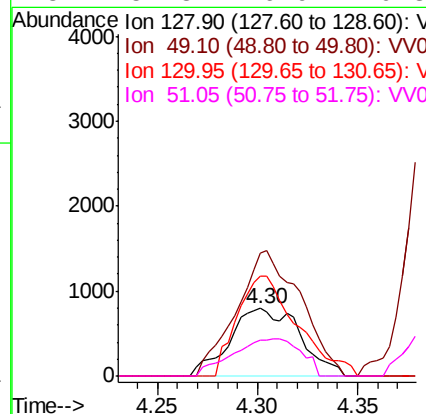
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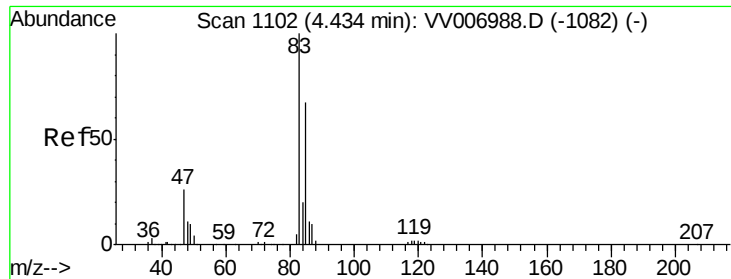


#23

Bromochloromethane
Concen: 0.22 ug/L m
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
128	100		
49	181.8	138.6	257.4
130	148.4	90.0	167.2
51	52.8	46.9	70.3





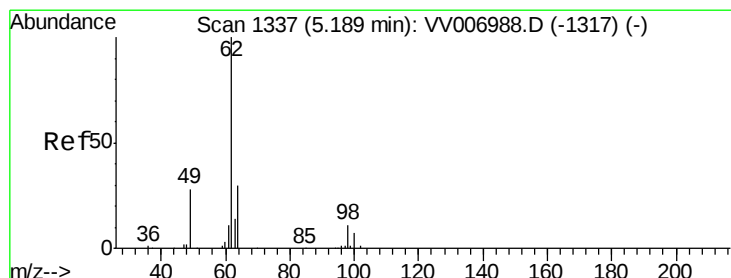
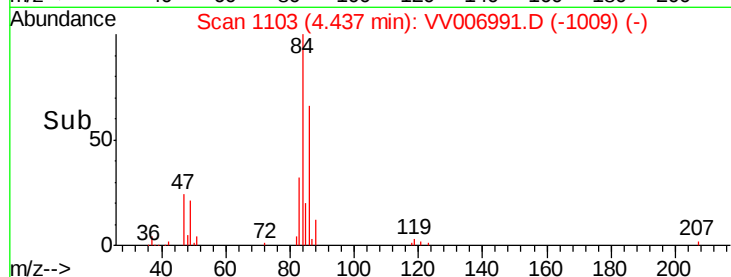
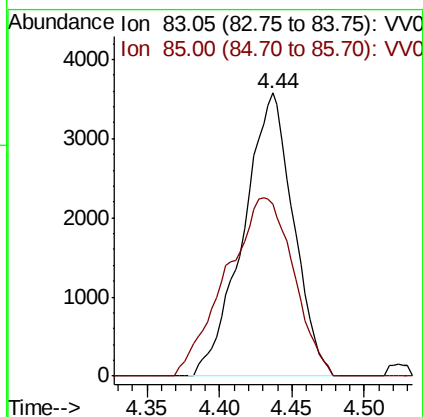
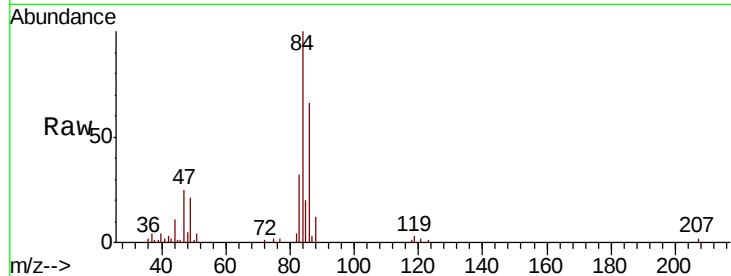
#25
Chloroform
Concen: 0.23 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion	83	Resp	8607
Ion Ratio	100	Lower	Upper
85	60.8	44.7	82.9

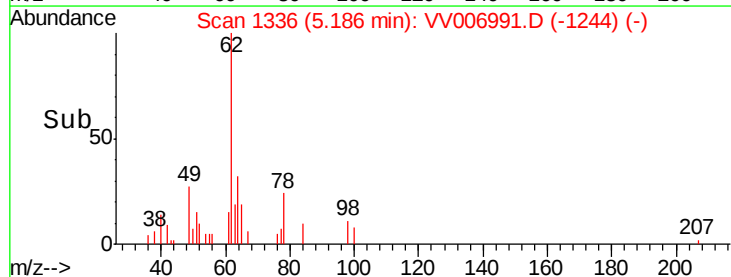
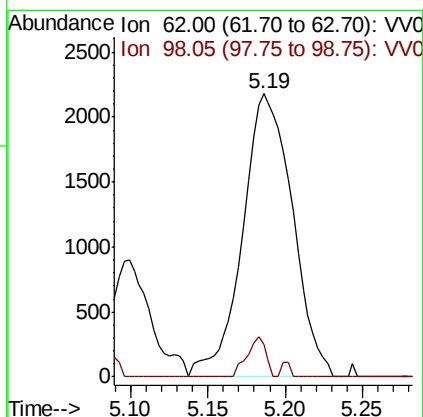
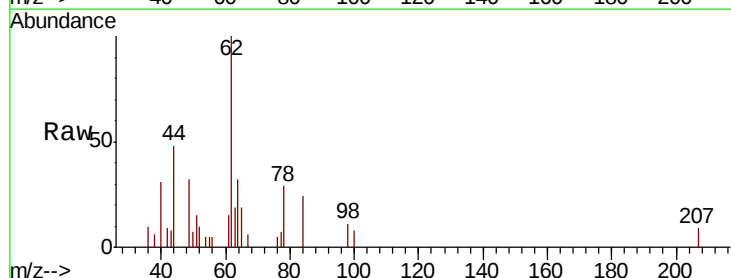
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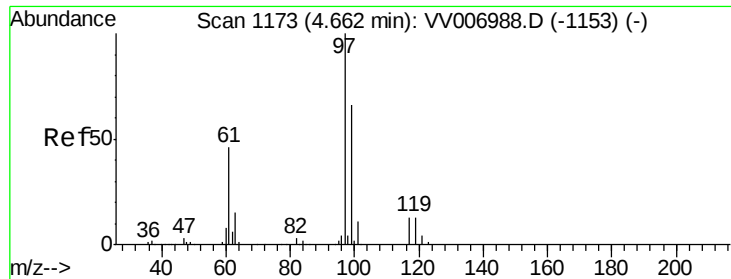
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#27
1,2-Dichloroethane
Concen: 0.21 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion	62	Resp	4886
Ion Ratio	100	Lower	Upper
98	11.5	7.6	11.4#





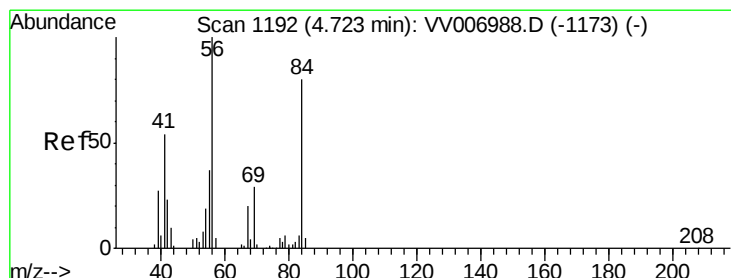
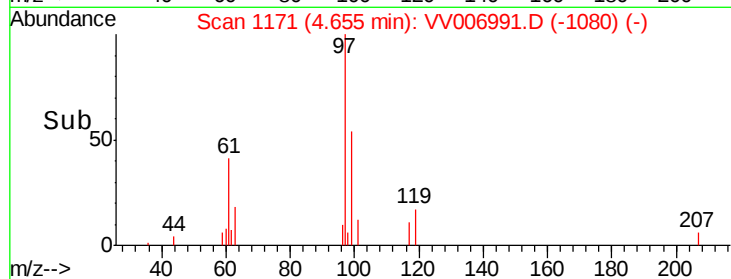
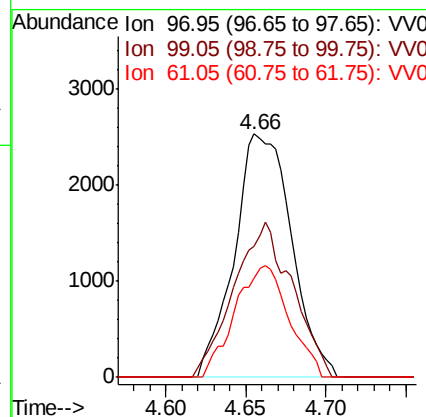
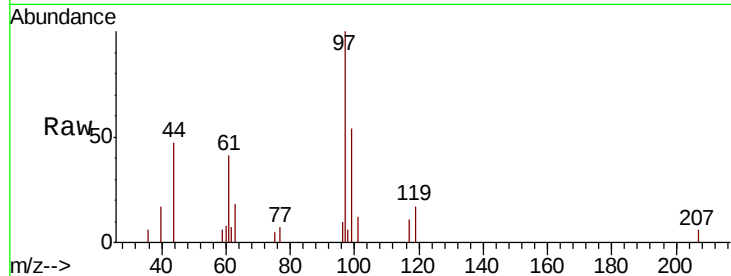
#29
 1,1,1-Trichloroethane
 Concen: 0.20 ug/L
 RT: 4.66 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.6
61	43.4	36.6	54.8

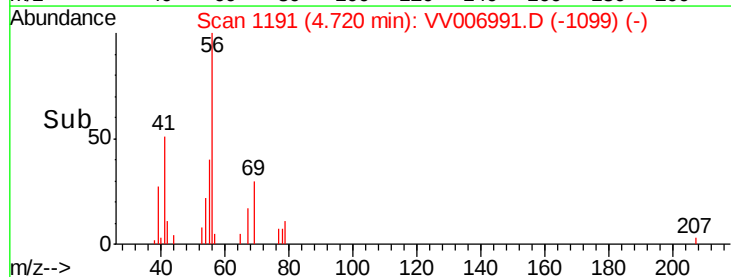
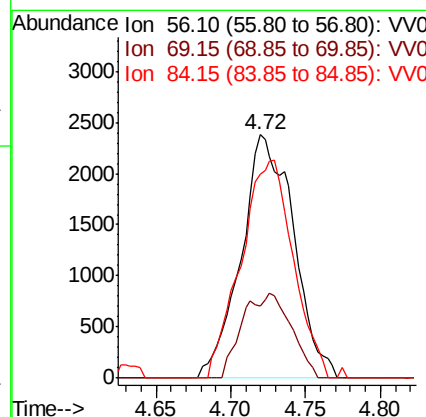
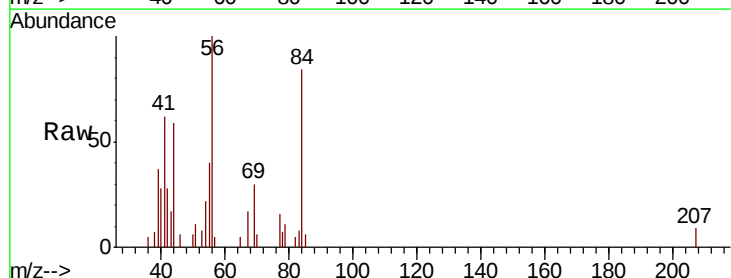
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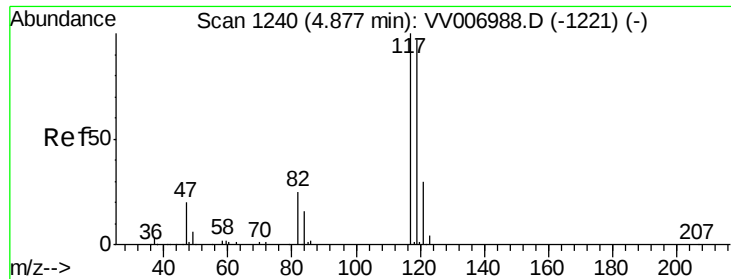
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#30
 Cyclohexane
 Concen: 0.18 ug/L
 RT: 4.72 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
56	100		
69	18.7	23.8	35.6#
84	89.1	67.9	101.9





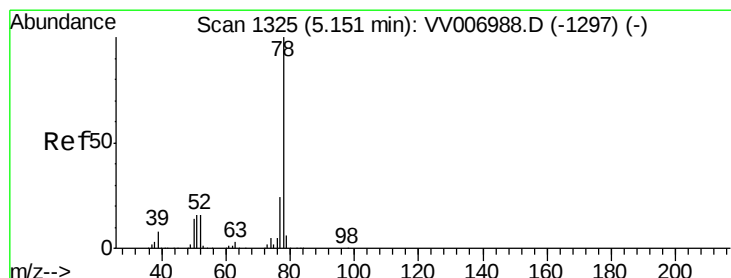
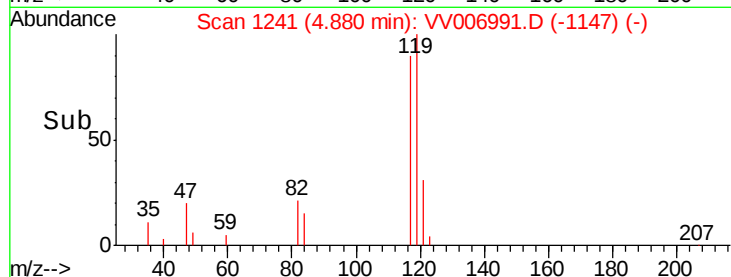
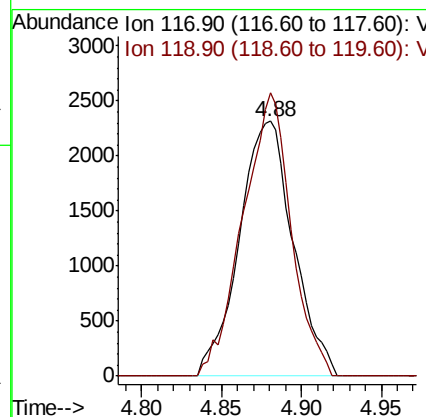
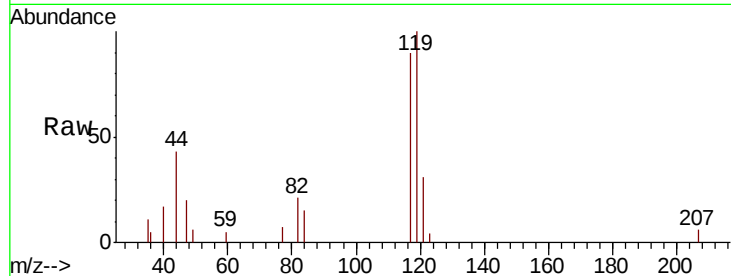
#31
Carbon tetrachloride
Concen: 0.20 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion:117 Resp: 5341
Ion Ratio Lower Upper
117 100
119 99.5 76.2 114.4

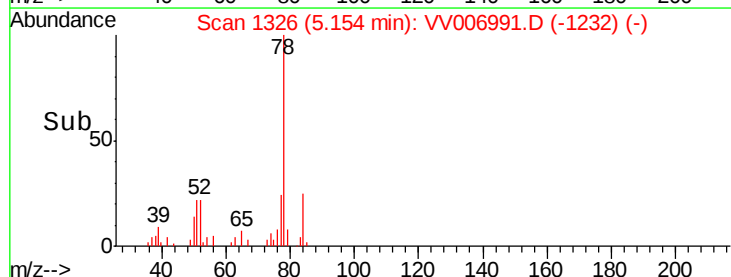
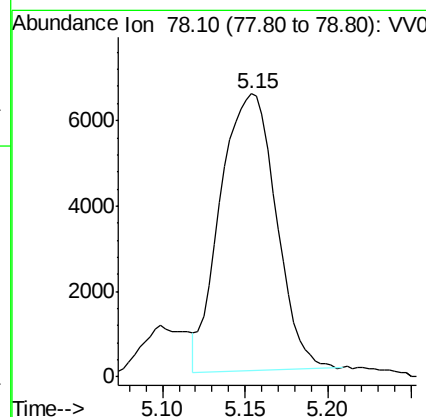
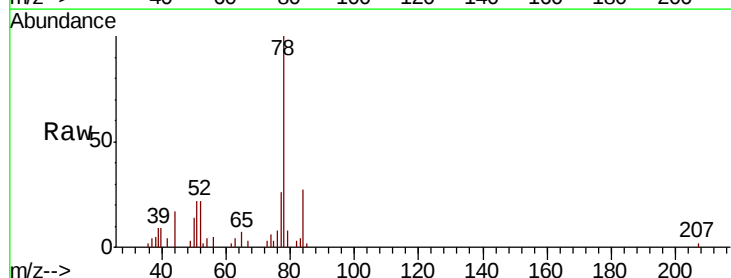
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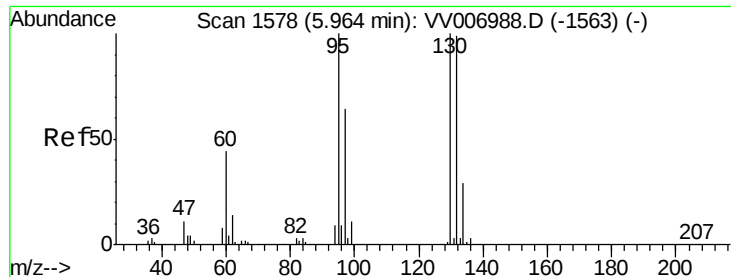
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#33
Benzene
Concen: 0.19 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. 0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion: 78 Resp: 15165





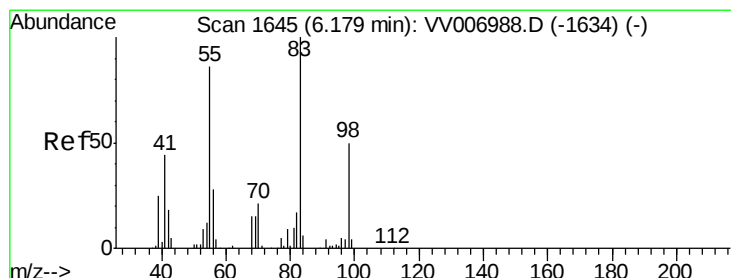
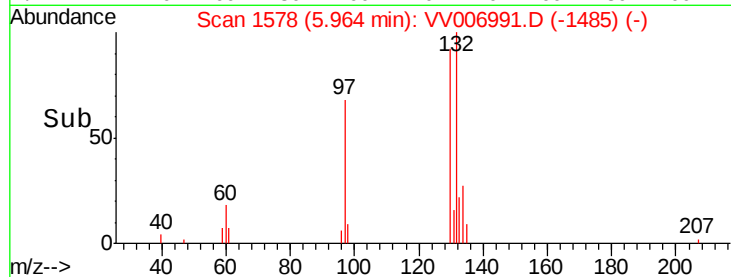
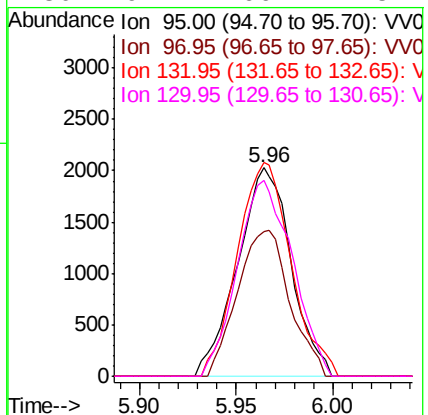
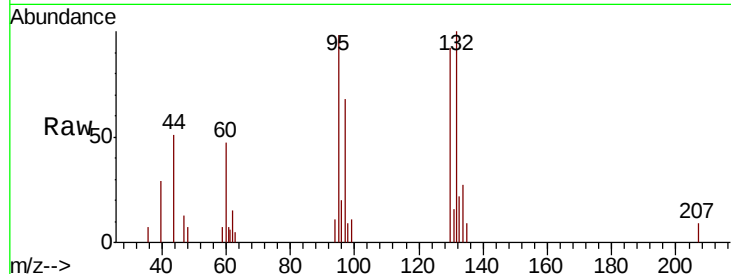
#34
 Trichloroethene
 Concen: 0.20 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	95	Resp	3904
Ion	Ratio	Lower	Upper
95	100		
97	69.4	44.8	83.2
132	102.4	65.5	121.6
130	94.1	66.4	123.4

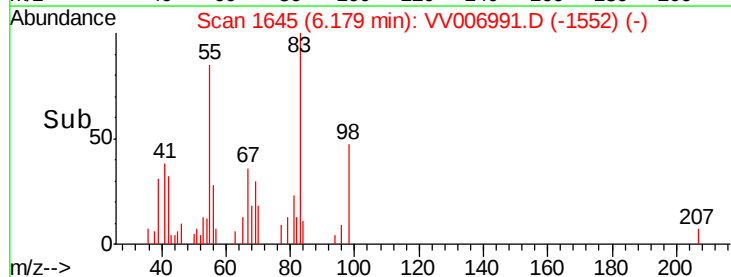
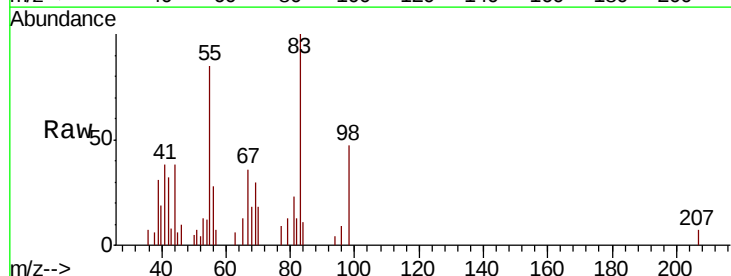
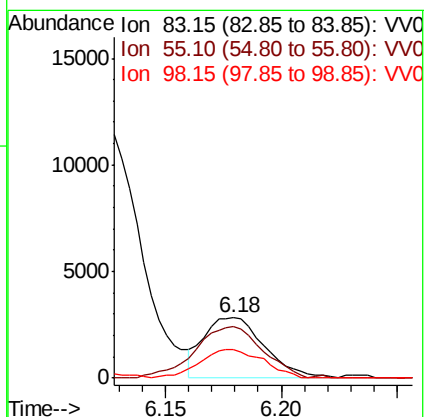
Manual Integrations
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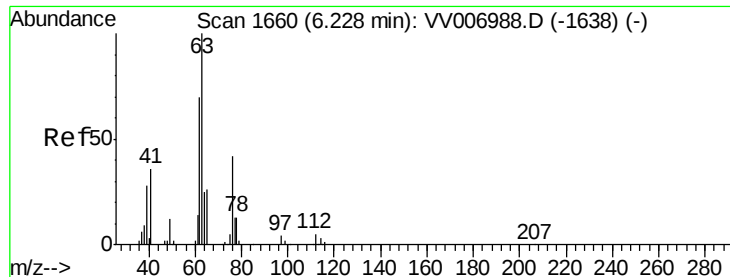
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#35
 Methylcyclohexane
 Concen: 0.16 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Tgt Ion	83	Resp	5181
Ion	Ratio	Lower	Upper
83	100		
55	94.5	68.1	102.1
98	49.4	37.9	56.9





#37

1,2-Dichloropropane

Concen: 0.20 ug/L

RT: 6.23 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 63 Resp: 4410

Ion Ratio Lower Upper

63 100

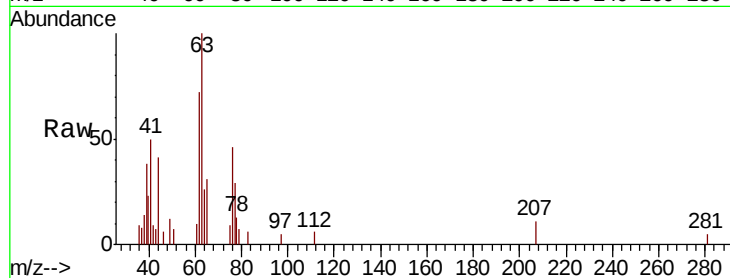
112 2.1 3.5 5.3#

Manual Integrations

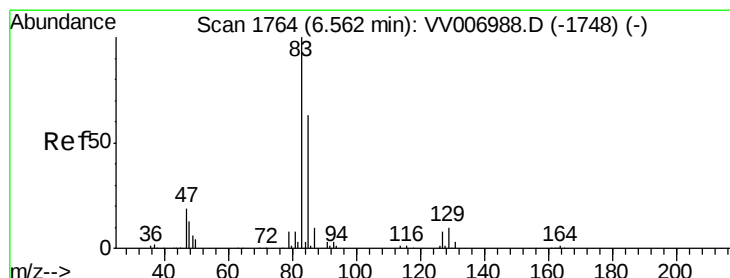
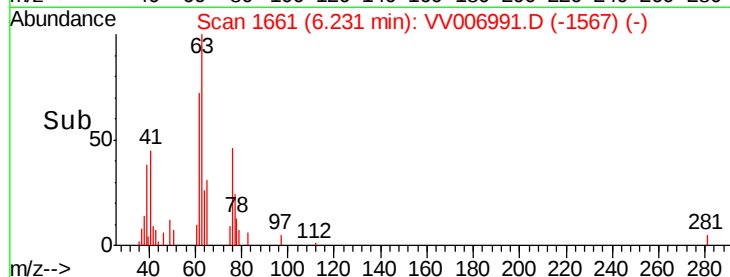
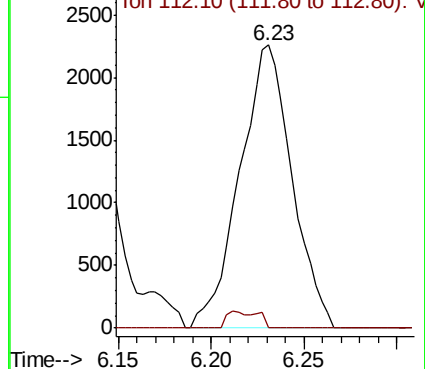
APPROVED

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Abundance Ion 63.10 (62.80 to 63.80): VV006988.D (-1638) (-)



#38

Bromodichloromethane

Concen: 0.19 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

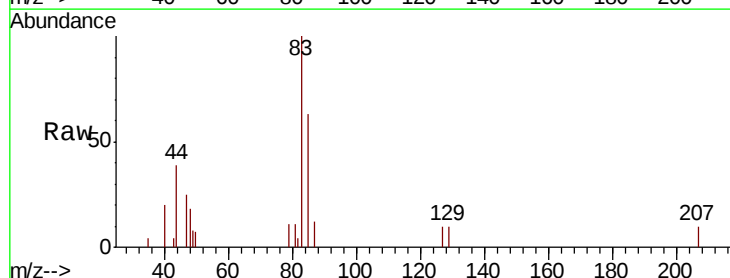
Tgt Ion: 83 Resp: 4859

Ion Ratio Lower Upper

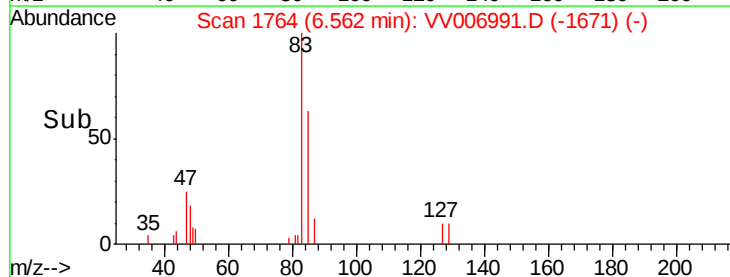
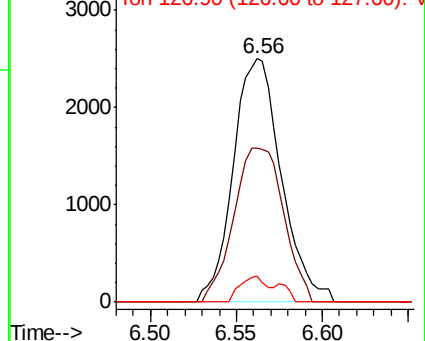
83 100

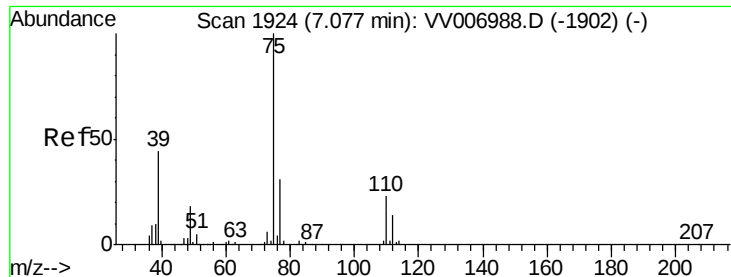
85 63.4 43.8 81.4

127 10.5 6.6 10.0#



Abundance Ion 82.95 (82.65 to 83.65): VV006988.D (-1748) (-)





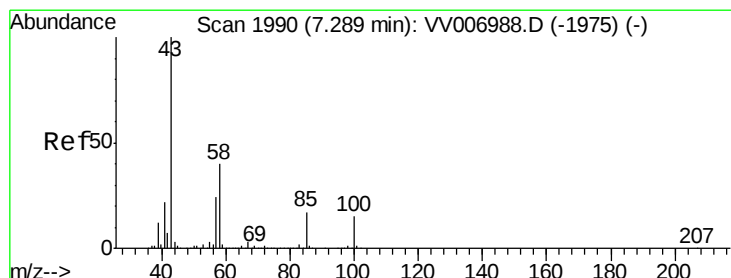
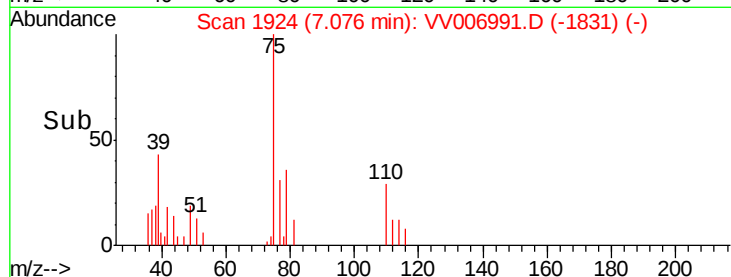
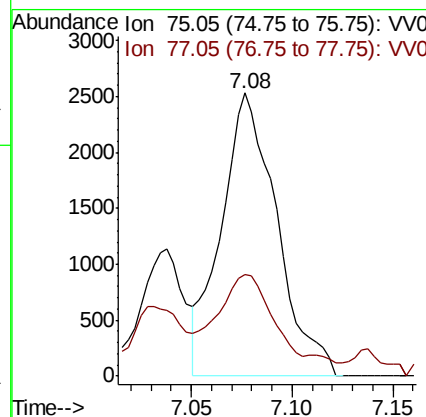
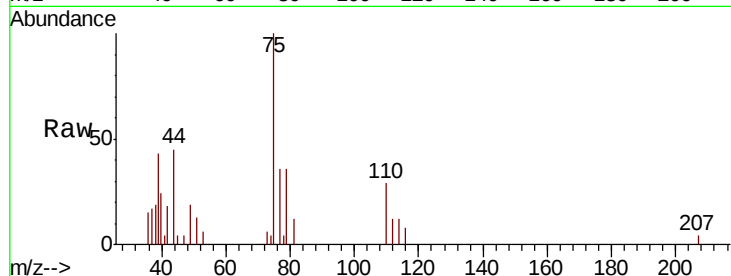
#39
 cis-1,3-Dichloropropene
 Concen: 0.18 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.9	22.0	40.8

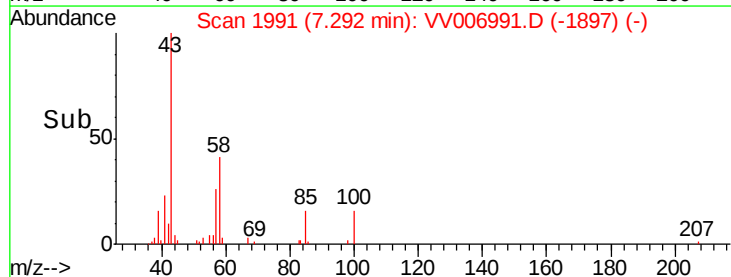
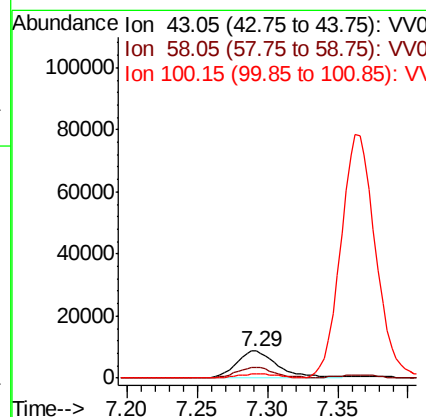
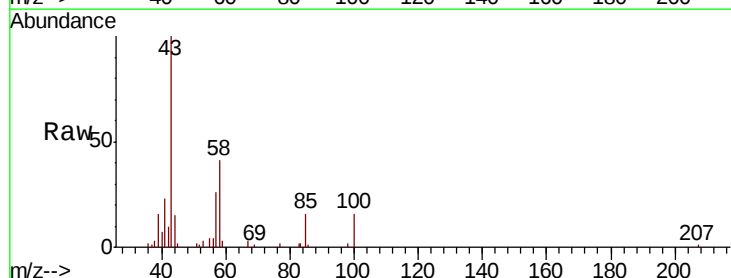
Manual Integrations
 APPROVED

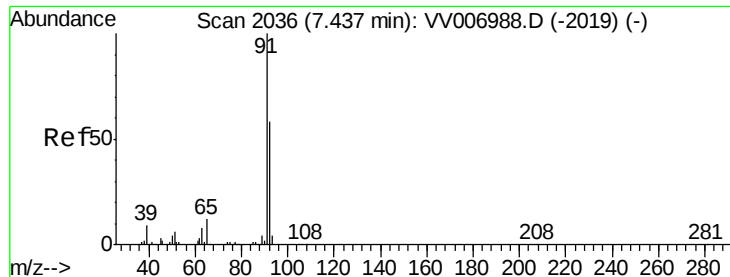
apatel
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#40
 4-Methyl-2-pentanone
 Concen: 1.52 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.7	46.1
100	0.0	11.2	16.8#





#42

Toluene

Concen: 0.17 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 13697

Ion Ratio Lower Upper

91 100

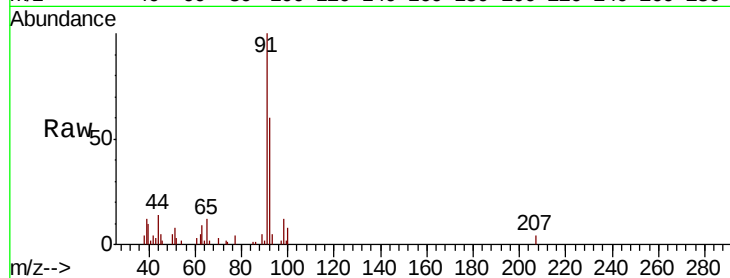
92 60.4 40.2 74.6

Manual Integrations

APPROVED

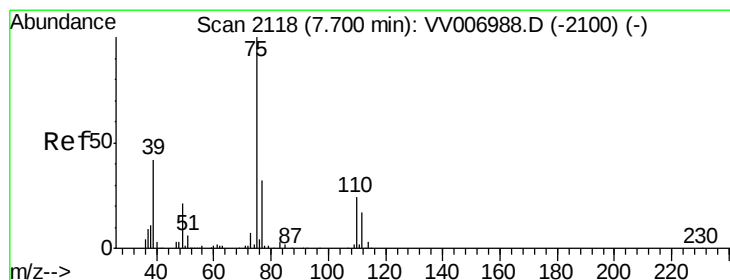
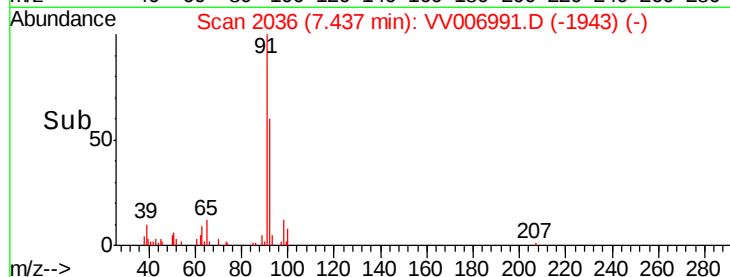
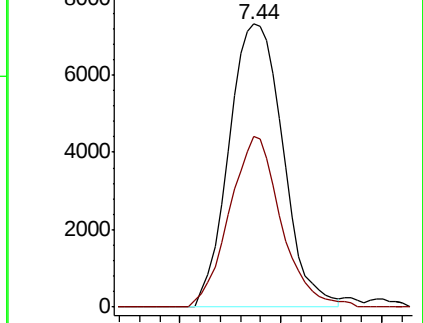
apatel

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Abundance Ion 91.15 (90.85 to 91.85): VV006988.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VV006991.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.17 ug/L

RT: 7.70 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VV006991.D

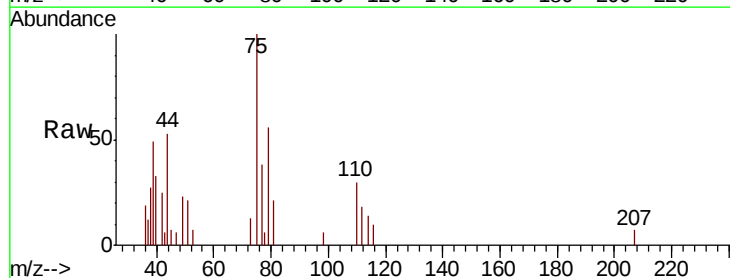
Acq: 10 Aug 2018 18:41

Tgt Ion: 75 Resp: 3804

Ion Ratio Lower Upper

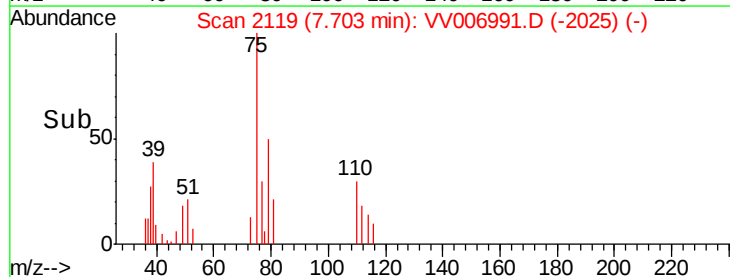
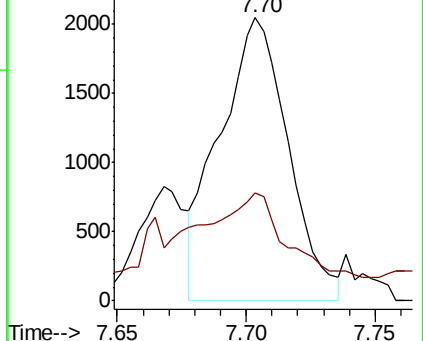
75 100

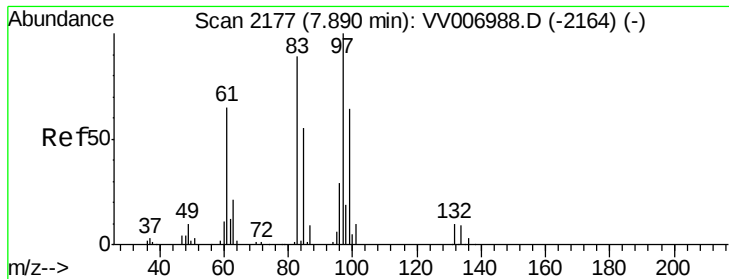
77 38.4 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV006988.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006991.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 0.20 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

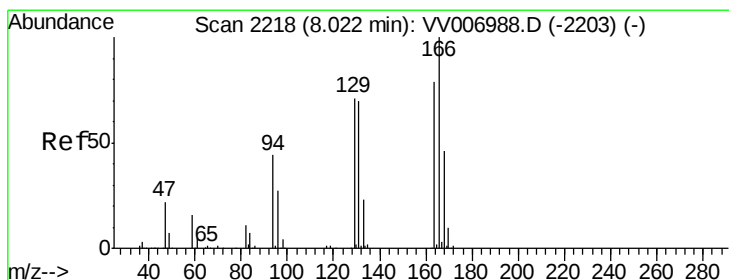
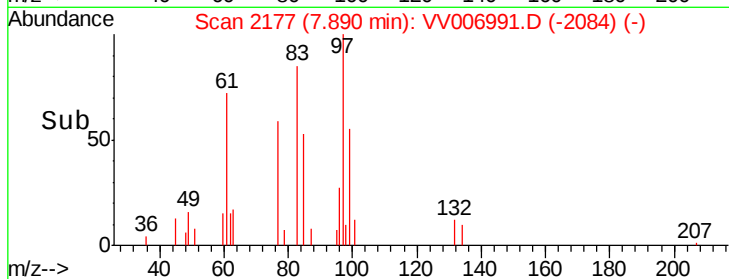
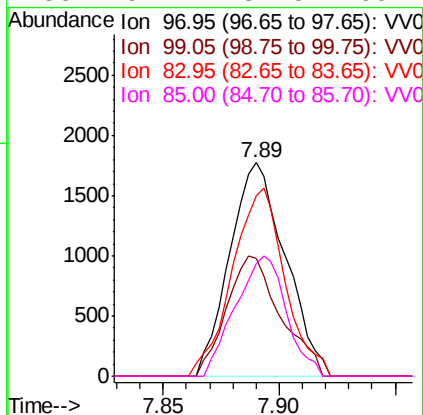
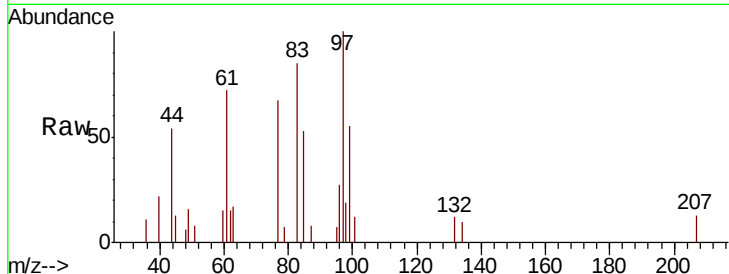
ClientSampled :

MDL02

Tot Ion:	97	Resp:	2959
Ion	Ratio	Lower	Upper
97	100		
99	55.0	40.6	75.4
83	84.6	58.0	107.8
85	52.7	37.5	69.7

Manual Integrations
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#47

Tetrachloroethene

Concen: 0.20 ug/L

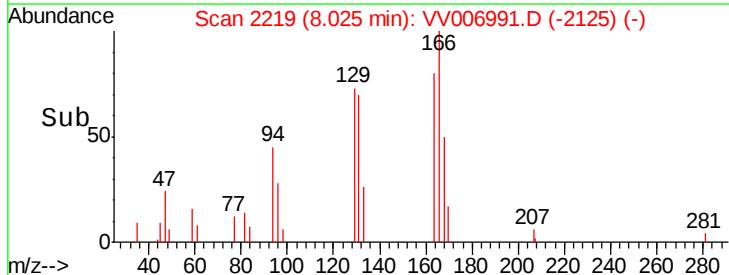
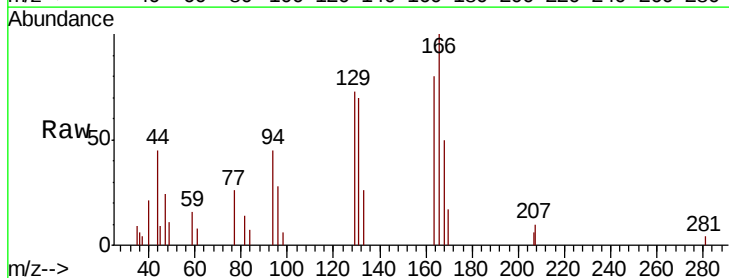
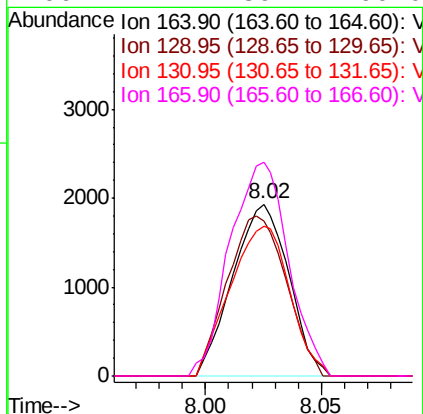
RT: 8.02 min Scan# 2219

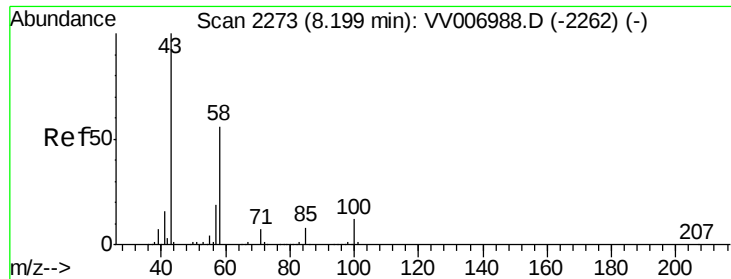
Delta R.T. 0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Tgt Ion:	164	Resp:	3241
Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.9	122.3
131	86.9	64.2	119.2
166	124.4	89.4	166.0





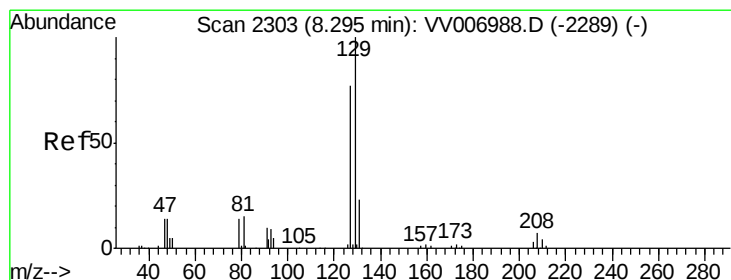
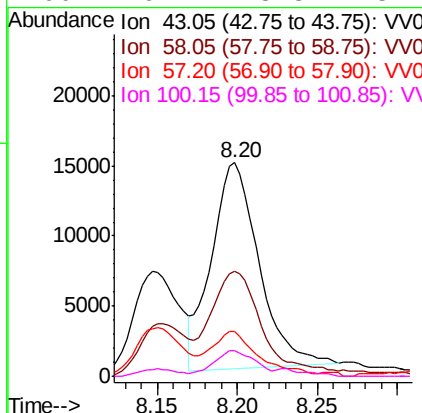
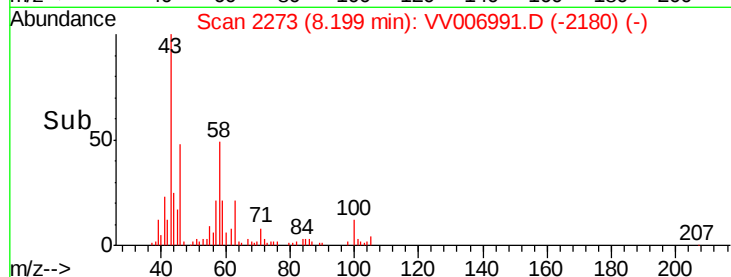
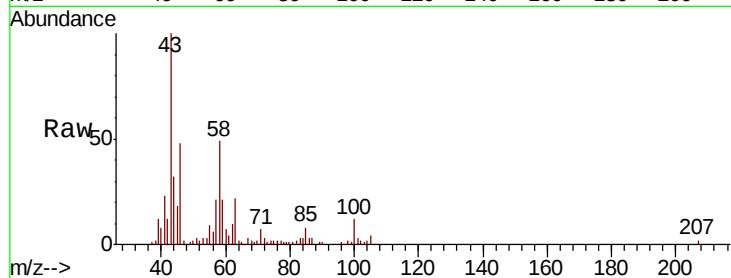
#48
2-Hexanone
Concen: 3.56 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		30271		
58	52.7	44.2	66.2		
57	21.4	14.8	22.2		
100	10.7	8.8	13.2		

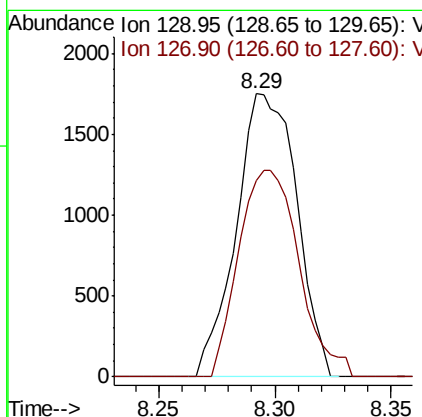
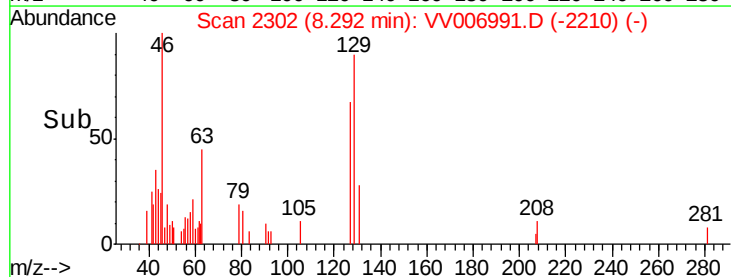
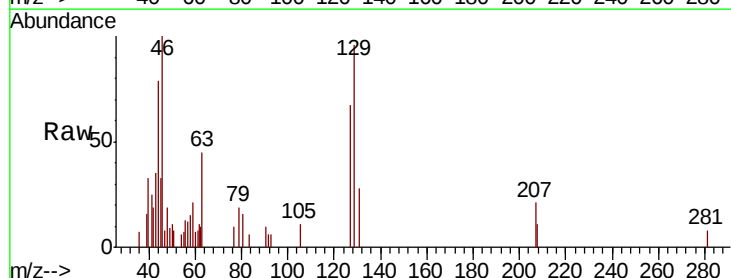
Manual Integrations
APPROVED

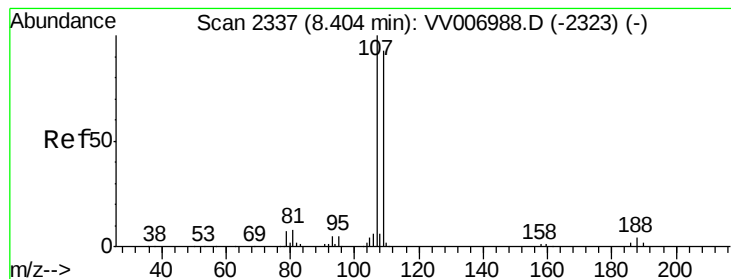
apatel
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#49
Dibromochloromethane
Concen: 0.21 ug/L
RT: 8.29 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VV006991.D
Acq: 10 Aug 2018 18:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		3174		
127	69.3	53.3	98.9		





#50

1,2-Dibromoethane

Concen: 0.19 ug/L

RT: 8.40 min Scan# 2335

Delta R.T. -0.01 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

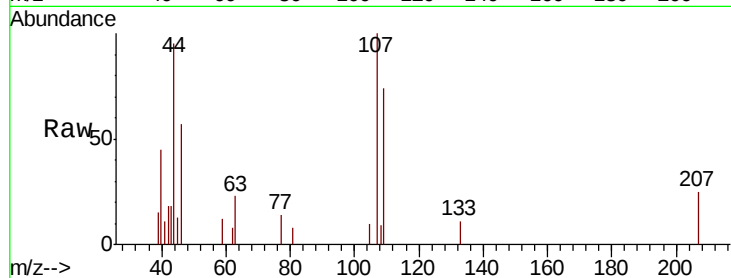
ClientSampleId :

MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	74.0	64.1	119.1
188	0.0	4.0	6.0

Manual Integrations
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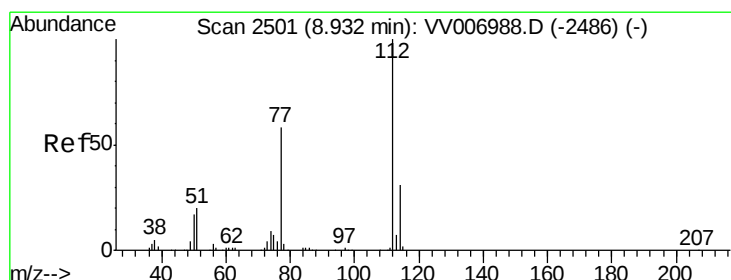
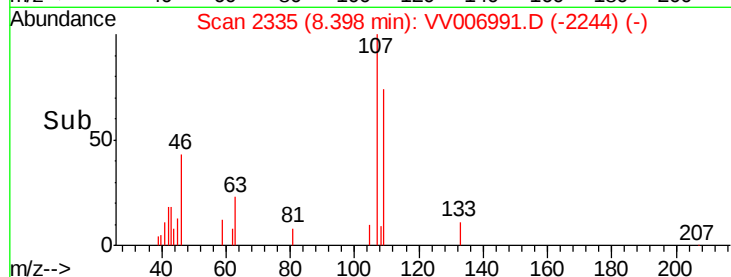
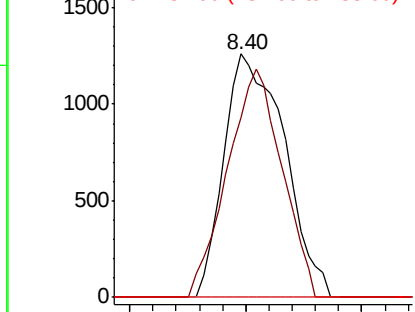


Abundance

Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.19 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

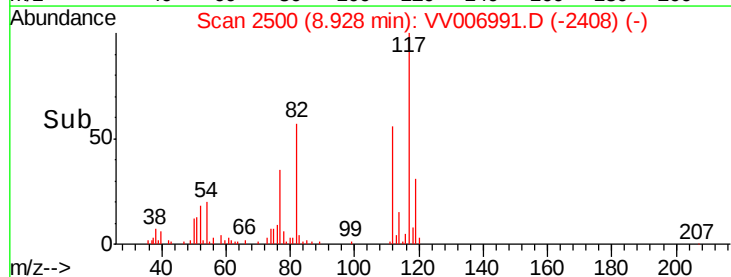
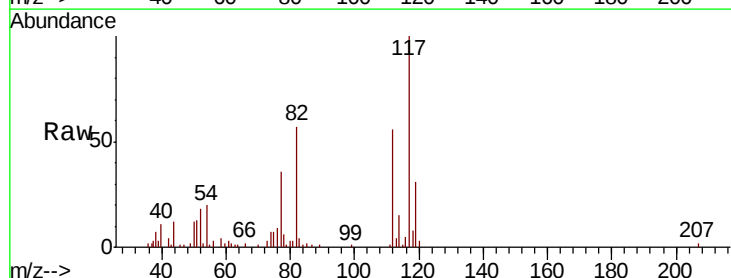
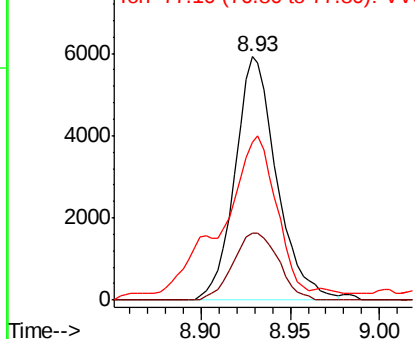
Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.4	21.8	40.6
77	64.6	48.0	72.0

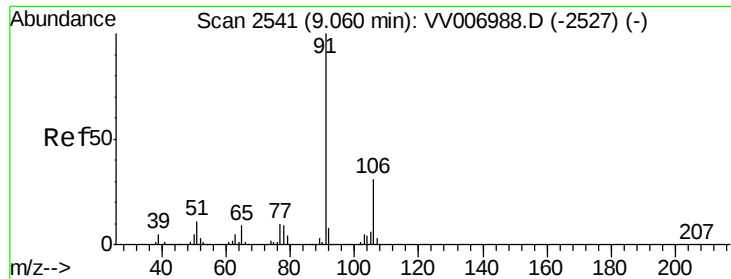
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.18 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 91 Resp: 13819

Ion Ratio Lower Upper

91 100

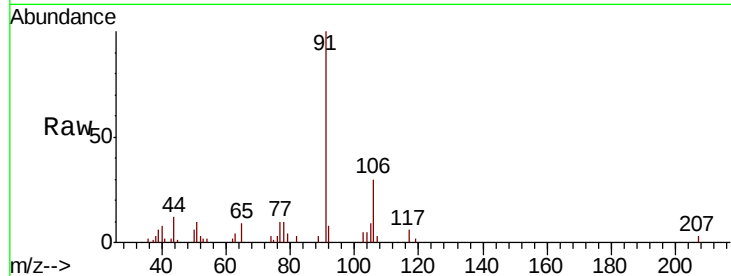
106 29.6 21.3 39.5

Manual Integrations

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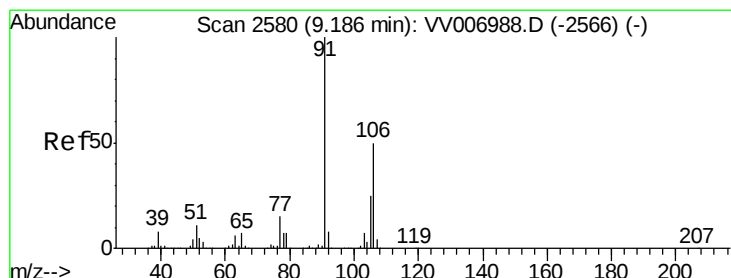
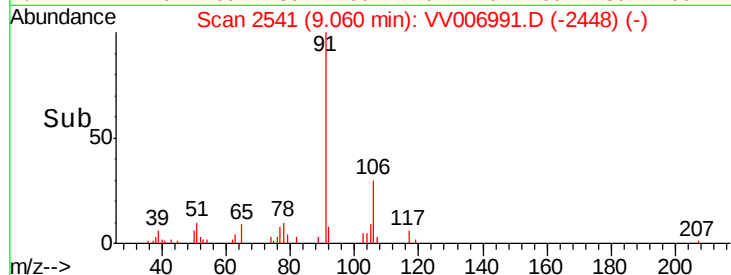
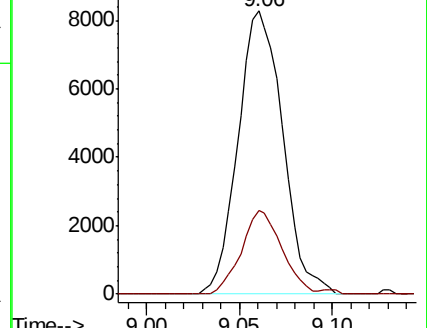
apatel

8/13/2018 5:34:52 PM



Abundance Ion 91.15 (90.85 to 91.85): VV006988.D (-2527) (-)

Ion 106.15 (105.85 to 106.85): VV006988.D (-2527) (-)



#53

m,p-xylene

Concen: 0.16 ug/L

RT: 9.19 min Scan# 2581

Delta R.T. 0.00 min

Lab File: VV006991.D

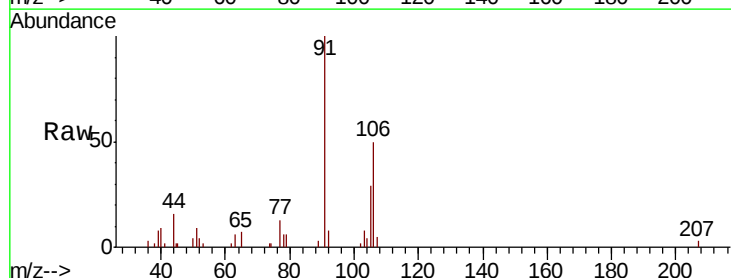
Acq: 10 Aug 2018 18:41

Tgt Ion: 106 Resp: 4742

Ion Ratio Lower Upper

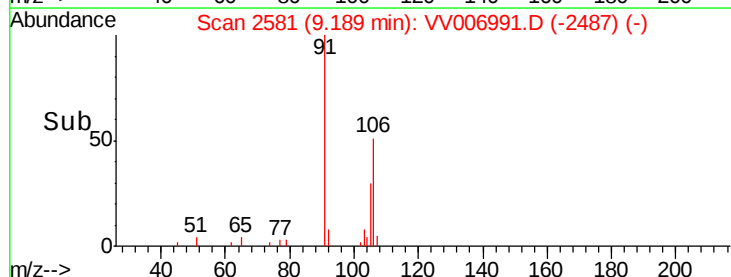
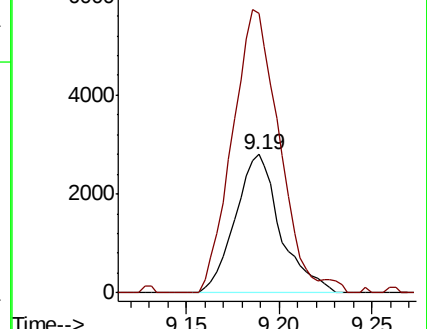
106 100

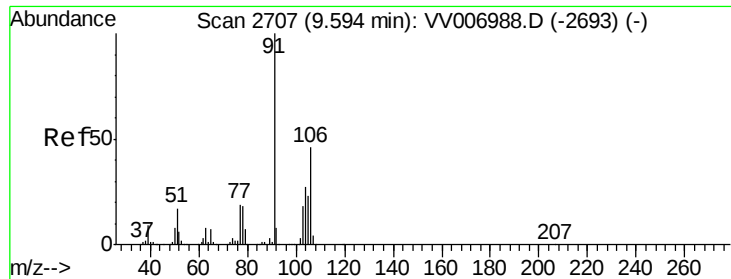
91 201.8 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV006988.D (-2566) (-)

Ion 91.15 (90.85 to 91.85): VV006988.D (-2566) (-)





#54

o-xylene

Concen: 0.16 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion:106 Resp: 4504

Ion Ratio Lower Upper

106 100

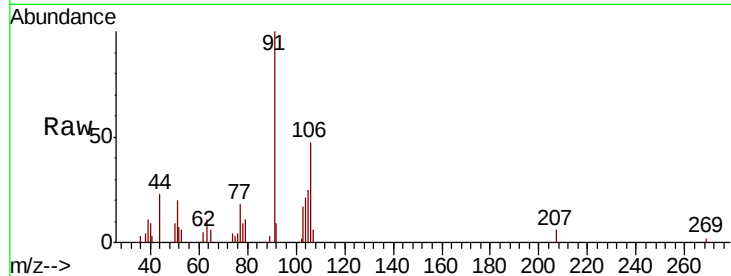
91 211.9 149.8 278.2

Manual Integrations

APPROVED

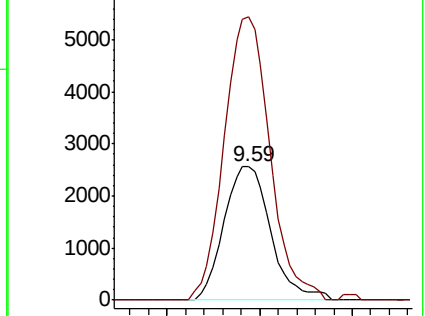
apatel

8/13/2018 5:34:52 PM

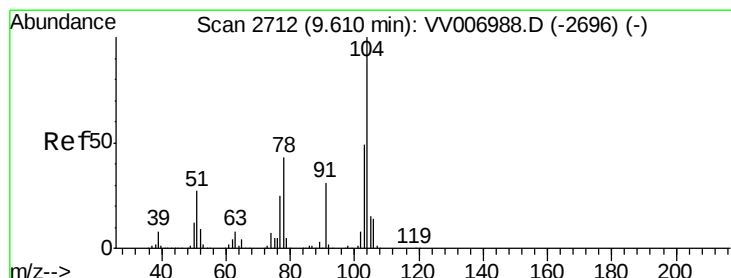
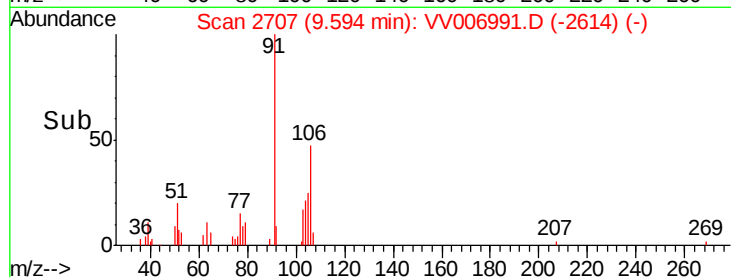


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->



#55

Styrene

Concen: 0.15 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006991.D

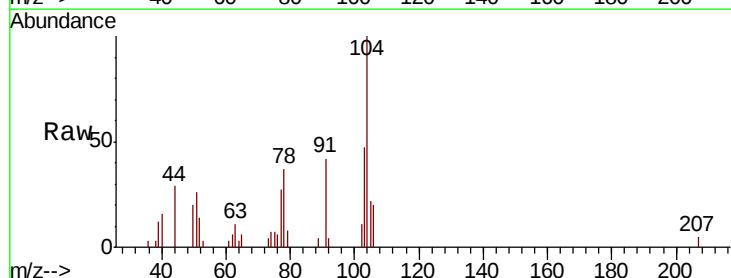
Acq: 10 Aug 2018 18:41

Tgt Ion:104 Resp: 6944

Ion Ratio Lower Upper

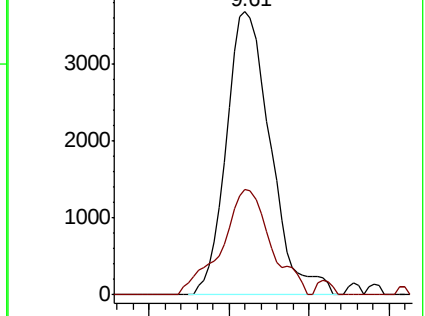
104 100

78 37.2 30.4 56.5

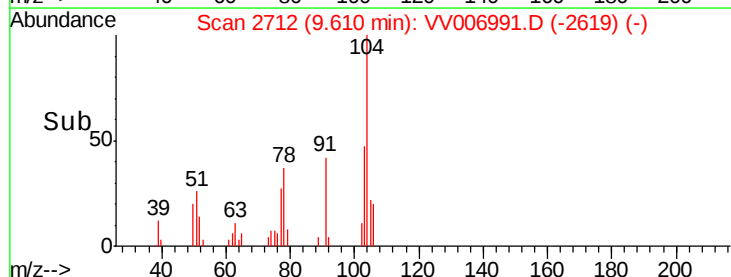


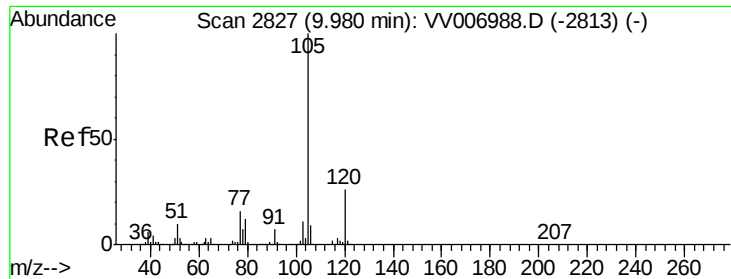
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 0.15 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

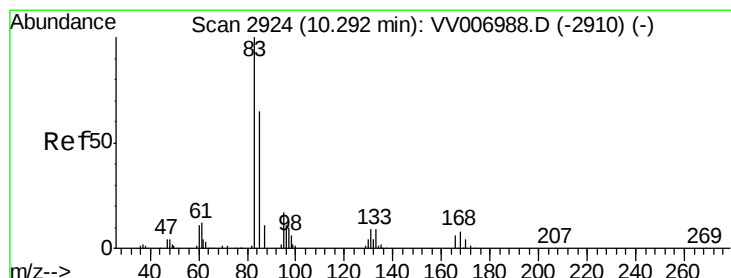
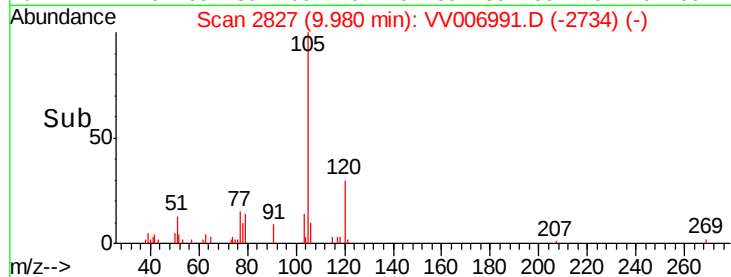
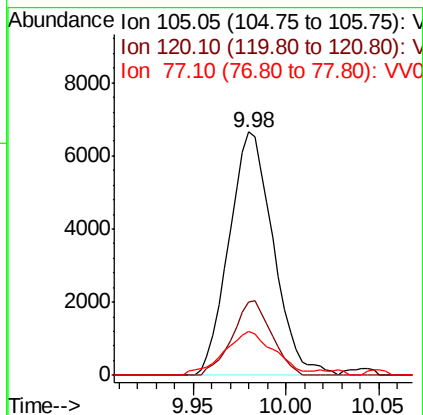
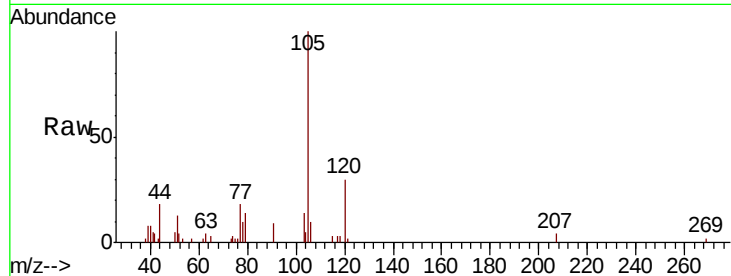
ClientSampleId :

MDL02

Tot Ion:	105	Resp:	11007
Ion Ratio	Lower	Upper	
105	100		
120	27.1	21.1	31.7
77	20.4	13.0	19.4#

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.20 ug/L

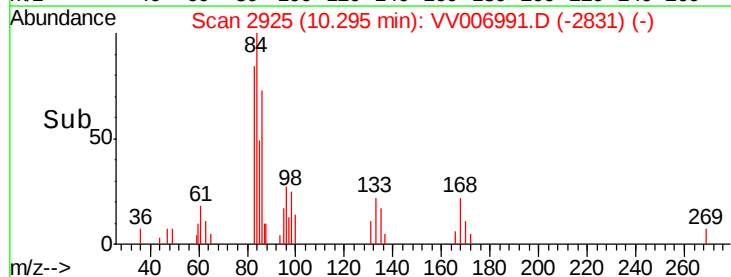
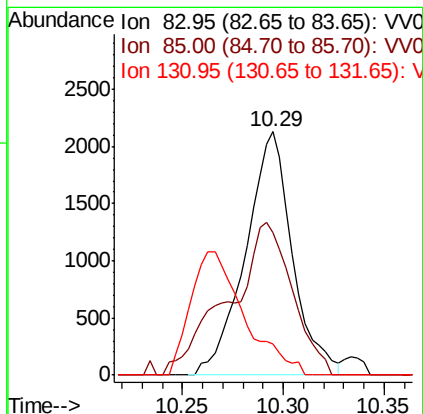
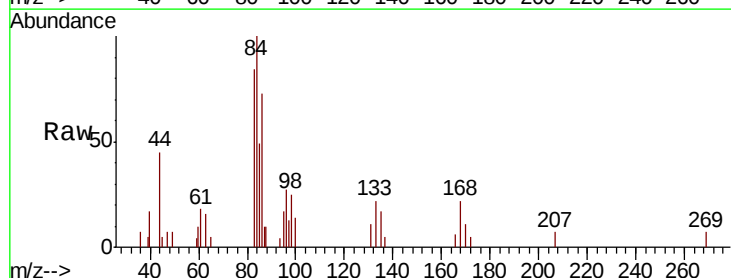
RT: 10.29 min Scan# 2925

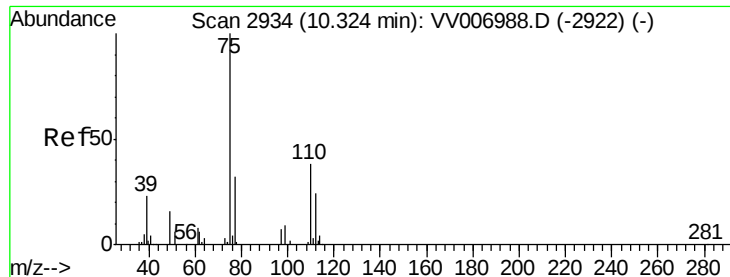
Delta R.T. 0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Tgt Ion:	83	Resp:	3458
Ion Ratio	Lower	Upper	
83	100		
85	58.3	43.0	79.8
131	12.8	7.4	11.2#





#59

1,2,3-Trichloropropane

Concen: 0.17 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

ClientSampled :

MDL02

Tot Ion: 75 Resp: 2132

Ion Ratio Lower Upper

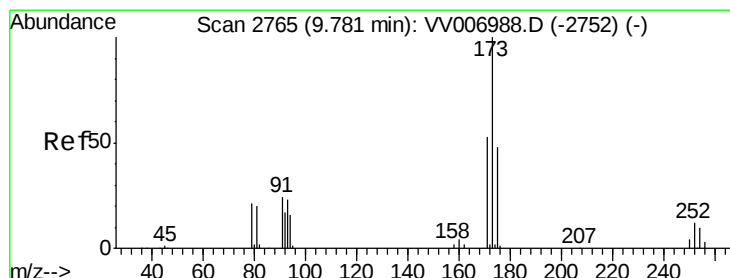
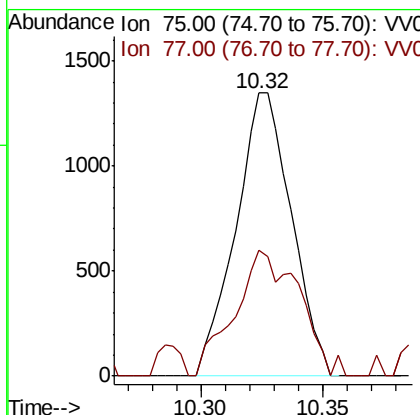
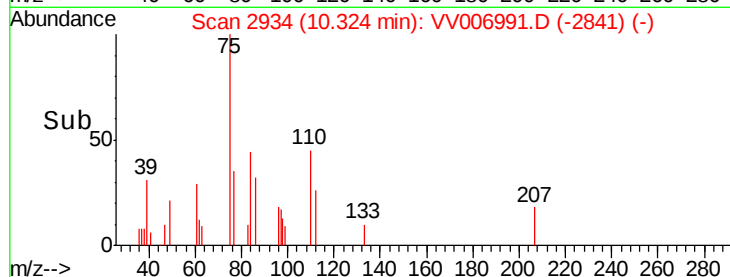
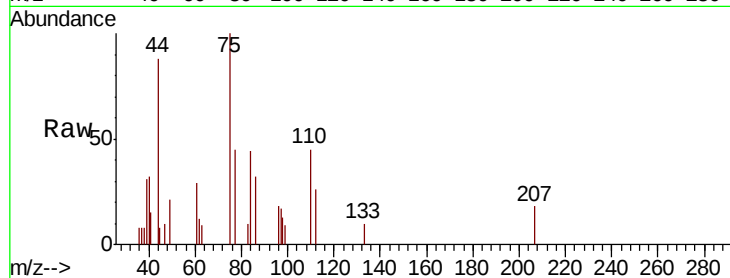
75 100

77 51.8 25.4 38.0#

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#61

Bromoform

Concen: 0.20 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

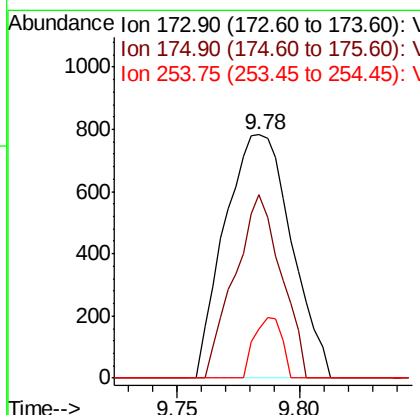
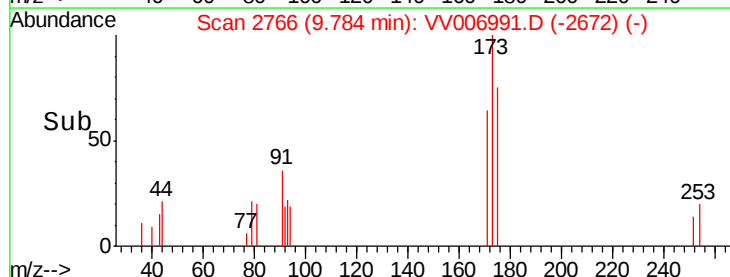
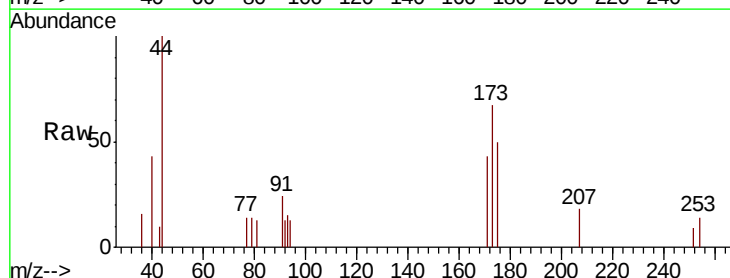
Tgt Ion: 173 Resp: 1485

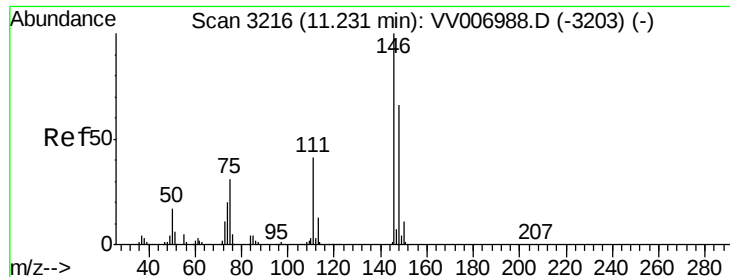
Ion Ratio Lower Upper

173 100

175 52.7 39.3 58.9

254 10.2 8.3 12.5





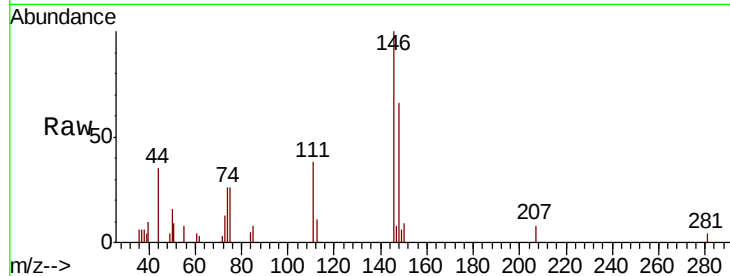
#62
 1,3-Dichlorobenzene
 Concen: 0.20 ug/L
 RT: 11.24 min Scan# 3218
 Delta R.T. 0.01 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	28.1	52.3
148	66.0	44.2	82.2

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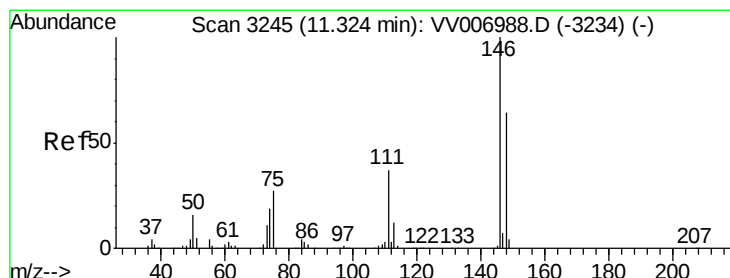
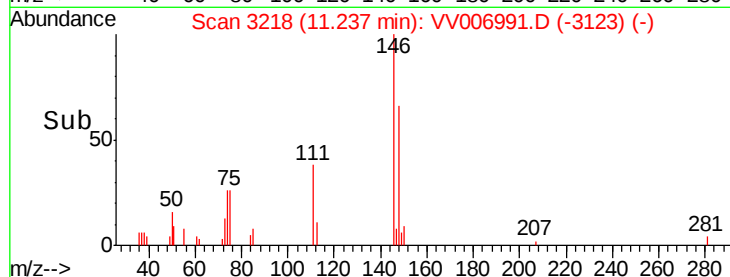
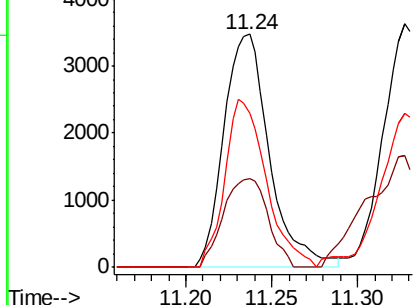


Abundance

Ion 145.95 (145.65 to 146.65): V

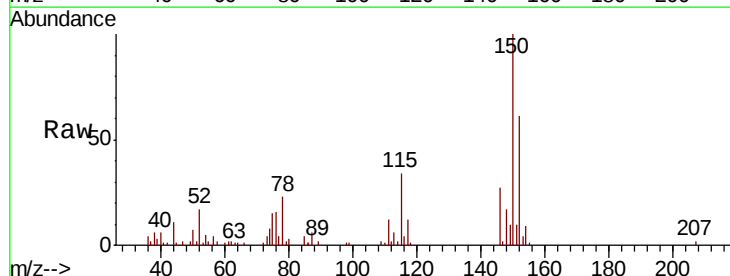
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 0.20 ug/L
 RT: 11.33 min Scan# 3246
 Delta R.T. 0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	26.6	49.4
148	63.1	46.4	86.2

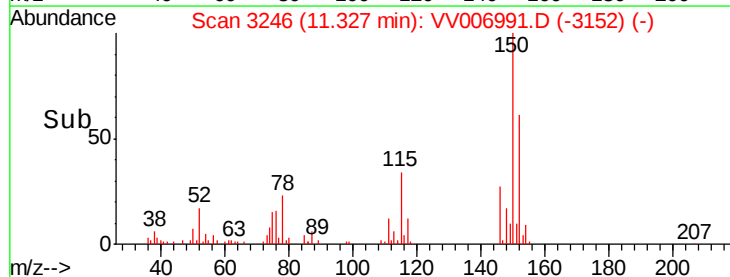
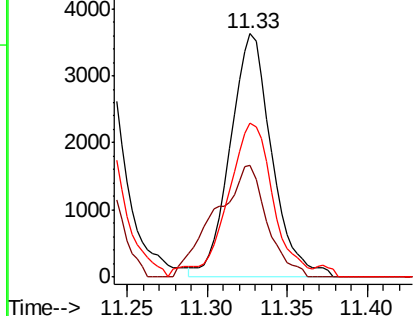


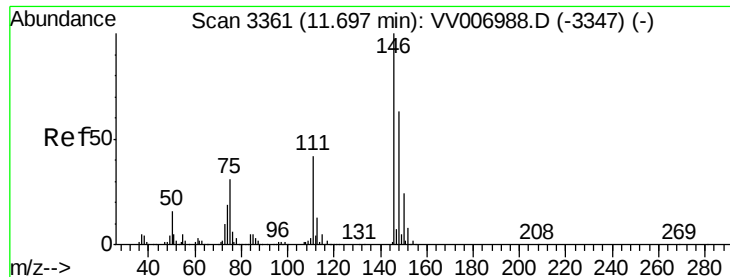
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.20 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

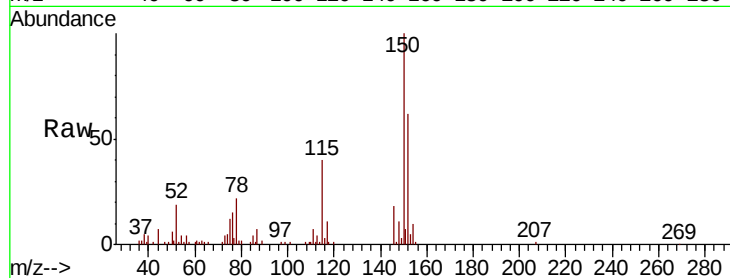
ClientSampled :

MDL02

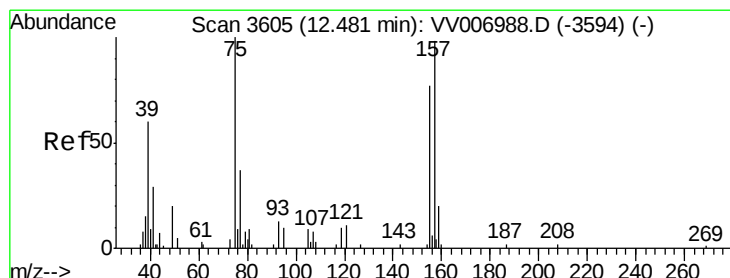
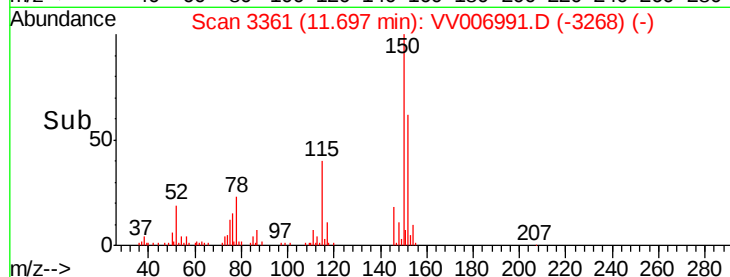
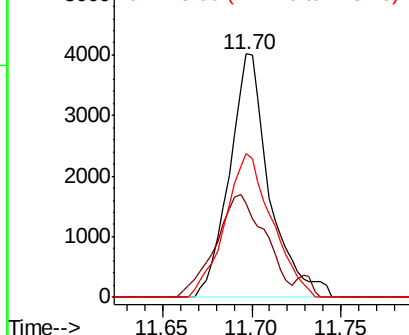
Tot Ion:	146	Resp:	6238
Ion Ratio	Lower	Upper	
146	100		
111	38.5	33.0	49.6
148	59.3	50.6	75.8

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.17 ug/L

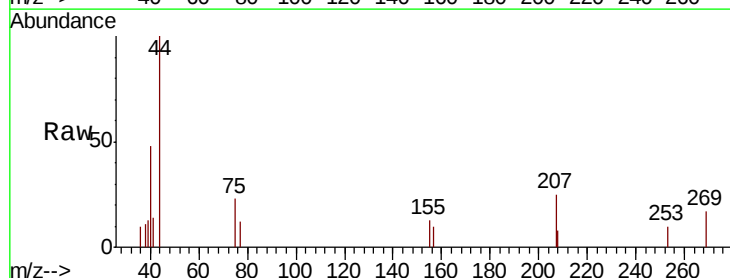
RT: 12.49 min Scan# 3607

Delta R.T. 0.01 min

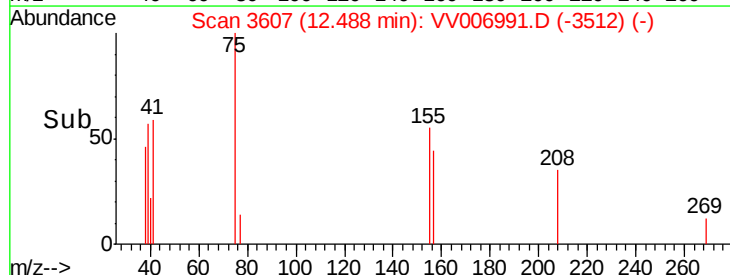
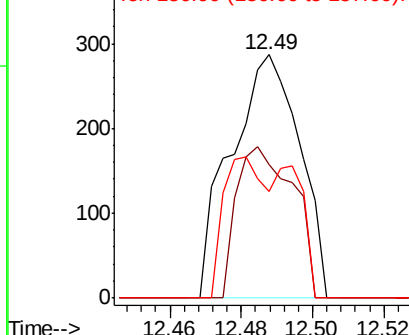
Lab File: VV006991.D

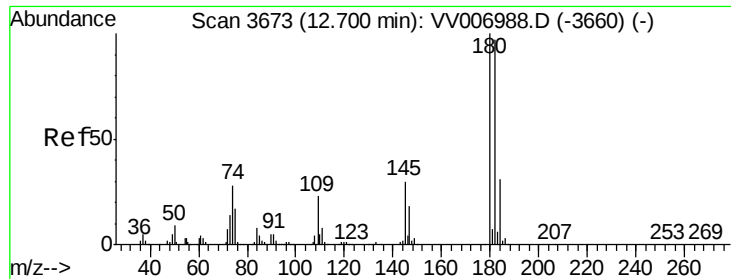
Acq: 10 Aug 2018 18:41

Tgt Ion:	75	Resp:	382
Ion Ratio	Lower	Upper	
75	100		
155	54.7	62.6	94.0#
157	43.9	77.0	115.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 154.95 (154.65 to 155.65): V
Ion 156.90 (156.60 to 157.60): V





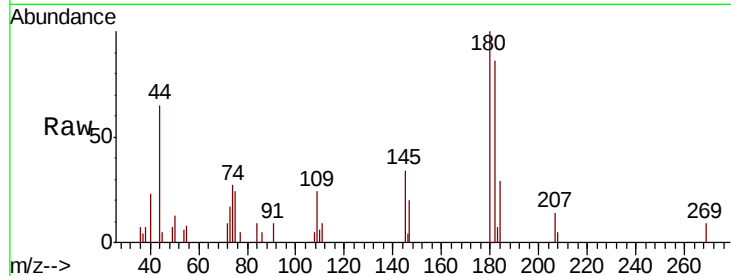
#67
 1,3,5-Trichlorobenzene
 Concen: 0.18 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

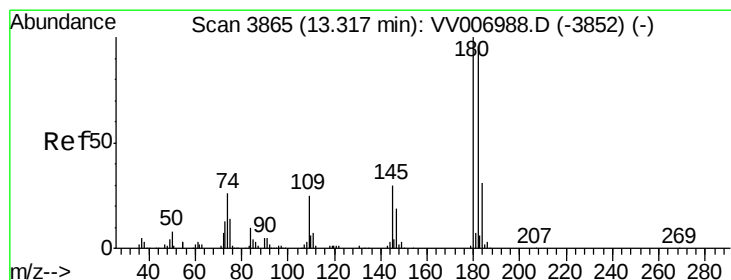
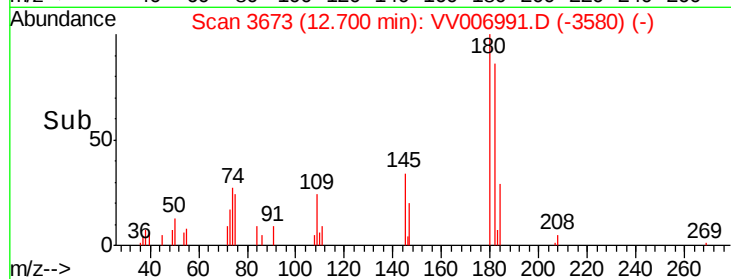
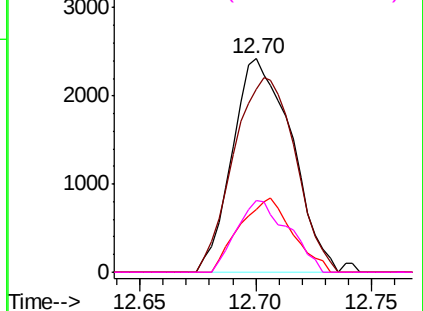
Tot Ion:	180	Resp:	4297
Ion Ratio	Lower	Upper	
180	100		
182	95.2	75.1	112.7
184	31.2	23.8	35.8
145	29.6	21.9	32.9

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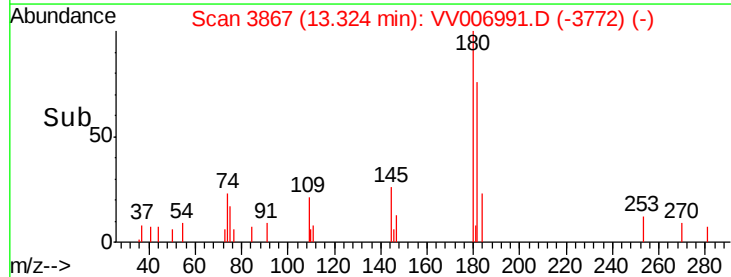
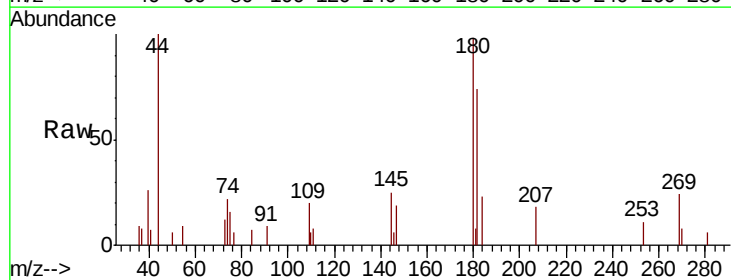
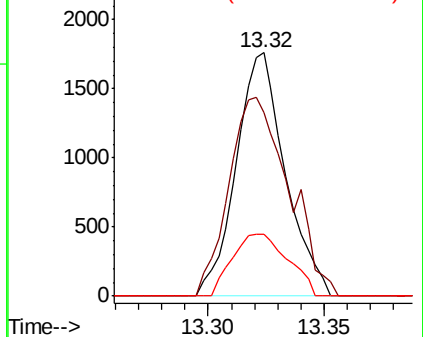
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

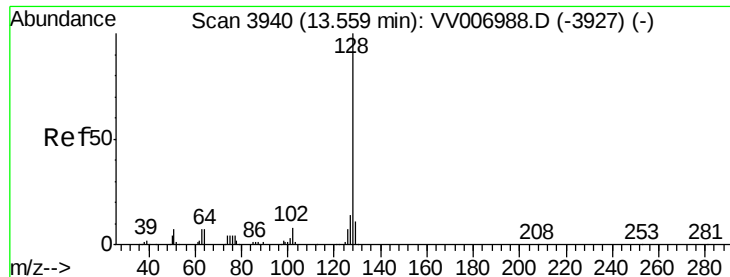


#68
 1,2,4-trichlorobenzene
 Concen: 0.15 ug/L
 RT: 13.32 min Scan# 3867
 Delta R.T. 0.01 min
 Lab File: VV006991.D
 Acq: 10 Aug 2018 18:41

Tgt Ion:	180	Resp:	2586
Ion Ratio	Lower	Upper	
180	100		
182	99.5	76.5	114.7
145	28.9	23.6	35.4

Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.12 ug/L

RT: 13.56 min Scan# 3942

Delta R.T. 0.01 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Instrument :

MSVOA_V

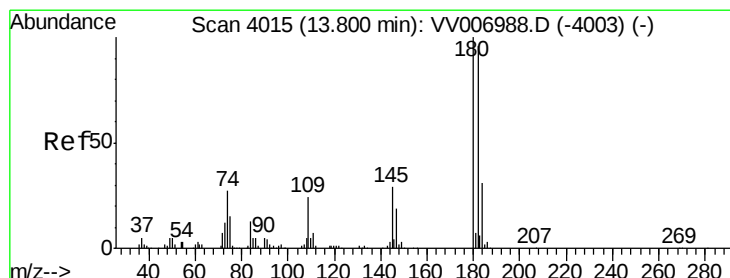
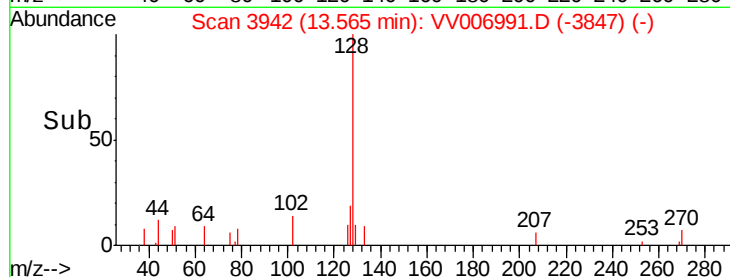
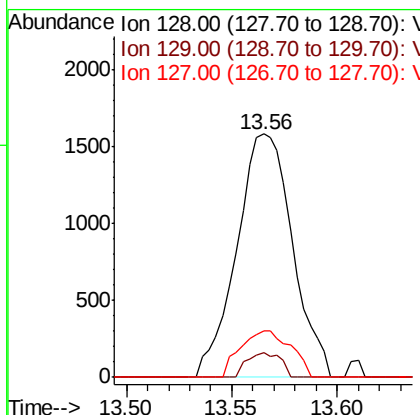
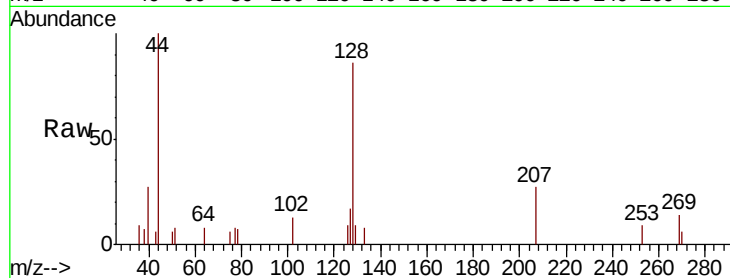
ClientSampleId :

MDL02

Tot Ion:	128	Resp:	2904
Ion Ratio	Lower	Upper	
128	100		
129	6.1	8.5	12.7#
127	17.3	10.6	16.0#

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#70

1,2,3-Trichlorobenzene

Concen: 0.14 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006991.D

Acq: 10 Aug 2018 18:41

Tgt Ion:	180	Resp:	2427
Ion Ratio	Lower	Upper	
180	100		
182	98.8	76.1	114.1
145	31.6	24.6	36.8

