

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007843.D
 Acq On : 22 Dec 2018 15:09
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda

12/24/2018 3:18:27 PM

Quant Time: Dec 24 01:45:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	131191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	113373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44715	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	7.88	113	42546	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.32	98	171890	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
62) 4-Bromofluorobenzene	12.62	95	64969	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34716	47.521	ug/l	99
3) Chloromethane	2.22	50	28821	64.247	ug/l	99
4) Vinyl Chloride	2.37	62	39410	69.014	ug/l	95
5) Bromomethane	2.78	94	24768	62.272	ug/l	96
6) Chloroethane	2.93	64	21761	71.230	ug/l	95
7) Trichlorofluoromethane	3.26	101	33057	55.603	ug/l	99
8) Diethyl Ether	3.68	74	18230	50.063	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44877	51.254	ug/l	98
10) Methyl Iodide	4.26	142	71143	51.093	ug/l	95
11) Tert butyl alcohol	5.17	59	14425	237.413	ug/l	100
12) 1,1-Dichloroethene	4.03	96	43378	53.502	ug/l	98
13) Acrolein	3.89	56	13396	275.749	ug/l	99
14) Allyl chloride	4.67	41	62959	59.215	ug/l	91
15) Acrylonitrile	5.37	53	40376	259.934	ug/l	100
16) Acetone	4.12	43	40450	239.826	ug/l	99
17) Carbon Disulfide	4.37	76	126623	50.468	ug/l	97
18) Methyl Acetate	4.67	43	22280	55.544	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	66528	57.156	ug/l	96
20) Methylene Chloride	4.91	84	55021	67.429	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45761	51.319	ug/l	88
22) Diisopropyl ether	6.31	45	114486	57.506	ug/l	99
23) Vinyl Acetate	6.26	43	320817	271.231	ug/l	100
24) 1,1-Dichloroethane	6.21	63	77142	52.672	ug/l	99
25) 2-Butanone	7.17	43	49443	250.275	ug/l	98
26) 2,2-Dichloropropane	7.17	77	58809	54.873	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49312	51.907	ug/l	97
28) Bromochloromethane	7.51	49	28295	56.663	ug/l	94
29) Tetrahydrofuran	7.53	42	31688	268.910	ug/l	95
30) Chloroform	7.67	83	81014	48.879	ug/l	94
31) Cyclohexane	7.96	56	74414	55.500	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	75316	49.894	ug/l	99
36) 1,1-Dichloropropene	8.09	75	67518	53.322	ug/l	99
37) Ethyl Acetate	7.25	43	22454	51.383	ug/l	99
38) Carbon Tetrachloride	8.07	117	68636	46.027	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	88709	56.380	ug/l	98
40) Benzene	8.32	78	178721	52.893	ug/l	99
41) Methacrylonitrile	7.48	41	13876	55.928	ug/l	94
42) 1,2-Dichloroethane	8.40	62	53049	46.849	ug/l	98
43) Isopropyl Acetate	8.43	43	45788	52.300	ug/l	99
44) Trichloroethene	9.09	130	52867	51.738	ug/l	98
45) 1,2-Dichloropropane	9.37	63	40808	54.429	ug/l	98
46) Dibromomethane	9.46	93	22410	48.557	ug/l	98
47) Bromodichloromethane	9.65	83	56860	46.863	ug/l	99
48) Methyl methacrylate	9.44	41	24691m	56.500	ug/l	
49) 1,4-Dioxane	9.45	88	6845	935.460	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	107361	259.478	ug/l	100
52) Toluene	10.39	92	132950	58.645	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	61845	51.245	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	70023	52.529	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31690	49.807	ug/l	98
56) Ethyl methacrylate	10.65	69	39616	52.699	ug/l	95
57) 1,3-Dichloropropane	10.93	76	53841	50.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	103680	302.079	ug/l	97
59) 2-Hexanone	10.97	43	76069	261.421	ug/l	99
60) Dibromochloromethane	11.13	129	37286	44.260	ug/l	100
61) 1,2-Dibromoethane	11.24	107	31403	48.739	ug/l	100
64) Tetrachloroethene	10.86	164	42135	52.483	ug/l	97
65) Chlorobenzene	11.66	112	130481	53.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	43837	49.996	ug/l	97
67) Ethyl Benzene	11.73	91	238687	56.684	ug/l	96
68) m/p-Xylenes	11.84	106	186489	114.169	ug/l	100
69) o-Xylene	12.17	106	86212	56.306	ug/l	99
70) Styrene	12.18	104	139082	55.259	ug/l	99
71) Bromoform	12.35	173	19682	43.241	ug/l #	97
73) Isopropylbenzene	12.47	105	247202	57.690	ug/l	99
74) N-amyl acetate	12.27	43	42688	57.514	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	33892	52.753	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	27732m	63.294	ug/l	
77) Bromobenzene	12.75	156	51204	52.142	ug/l	96
78) n-propylbenzene	12.81	91	287122	57.563	ug/l	99
79) 2-Chlorotoluene	12.90	91	163628	56.312	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	209925	56.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11188	53.600	ug/l	96
82) 4-Chlorotoluene	12.99	91	172676	55.811	ug/l	100
83) tert-Butylbenzene	13.21	119	185264	57.127	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	210774	56.514	ug/l	100
85) sec-Butylbenzene	13.39	105	259211	57.995	ug/l	99
86) p-Isopropyltoluene	13.51	119	232620	57.237	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	105082	53.895	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105083	53.879	ug/l	100
89) n-Butylbenzene	13.83	91	217104	58.262	ug/l	99
90) Hexachloroethane	14.10	117	34237	47.984	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	92466	52.968	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5805	43.998	ug/l	91

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APPROVED

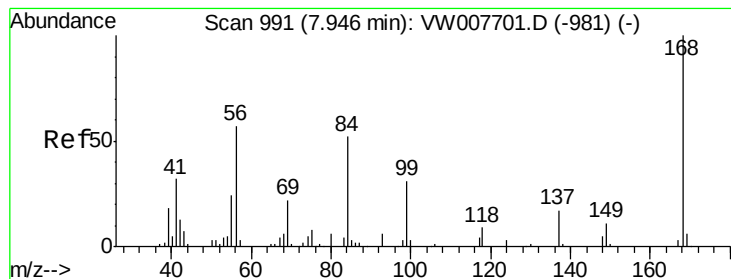
MMDadoda

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	64846	53.513	ug/l	99
94) Hexachlorobutadiene	15.24	225	35695	55.119	ug/l	99
95) Naphthalene	15.38	128	122712	54.773	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	54951	52.976	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 82177

Ion Ratio Lower Upper

168 100

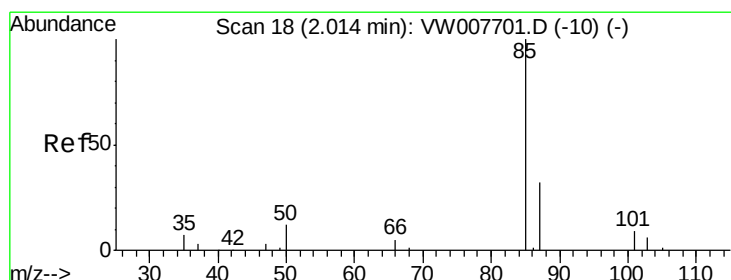
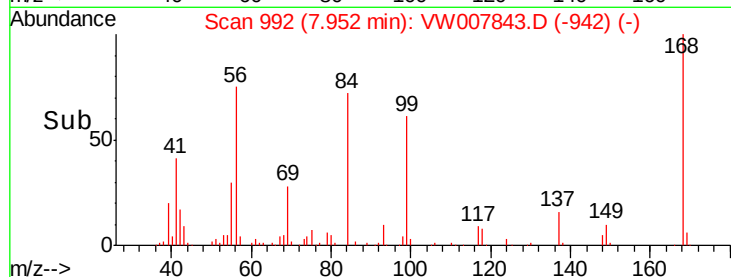
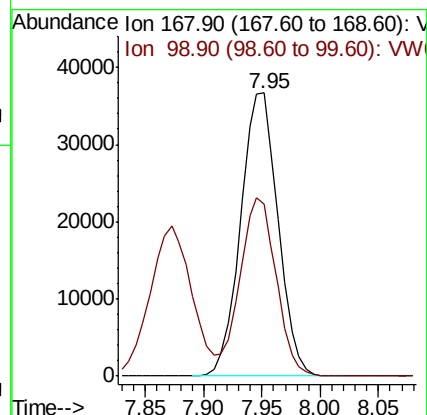
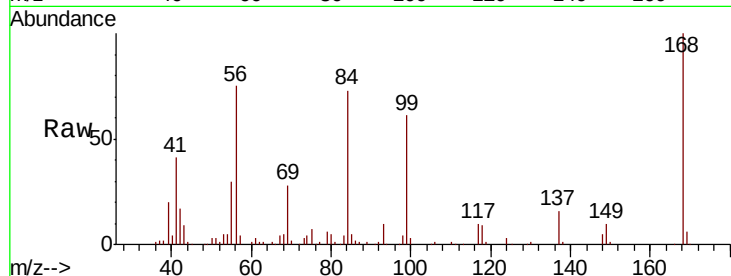
99 60.9 54.0 81.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.521 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007843.D

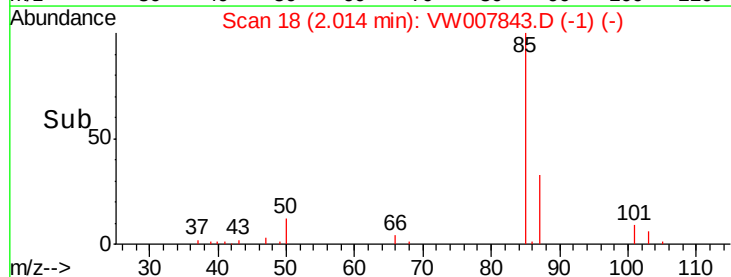
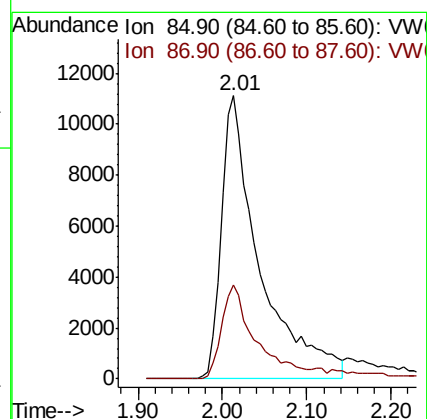
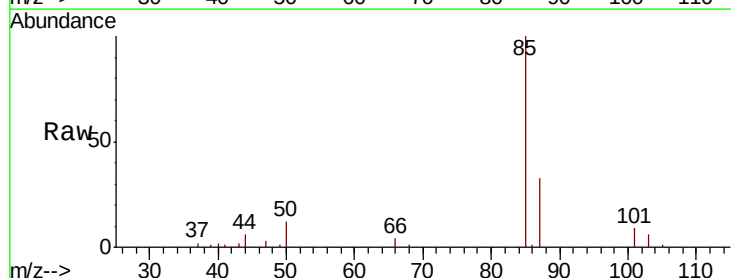
Acq: 22 Dec 2018 15:09

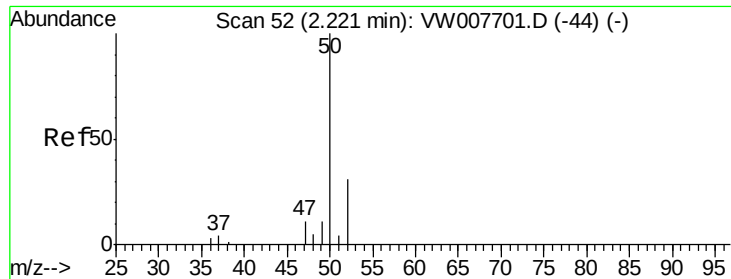
Tgt Ion: 85 Resp: 34716

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8





#3

Chloromethane

Concen: 64.247 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 28821

Ion Ratio Lower Upper

50 100

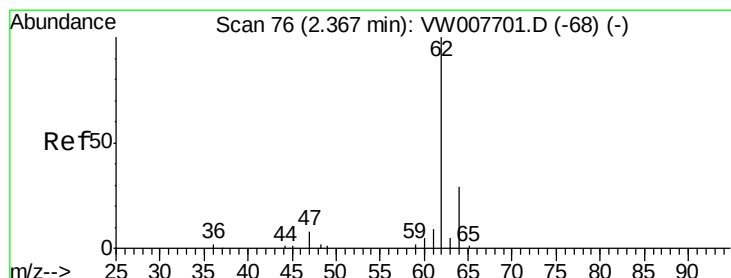
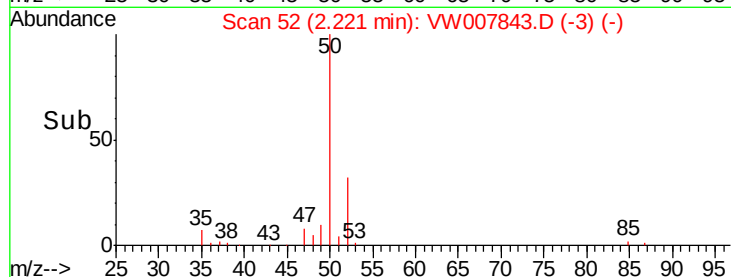
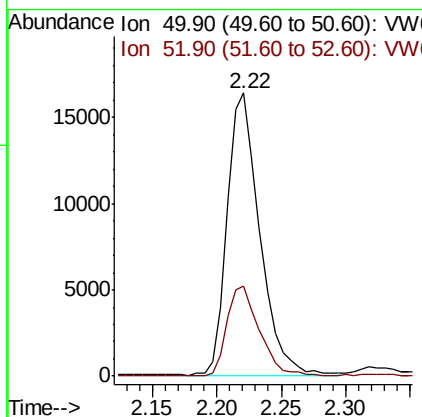
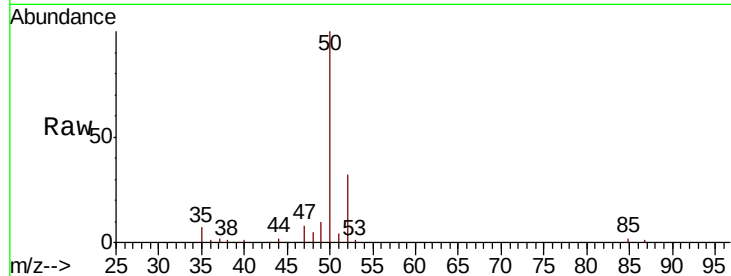
52 32.1 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 69.014 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007843.D

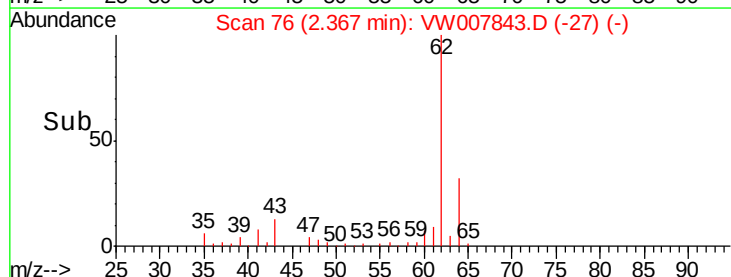
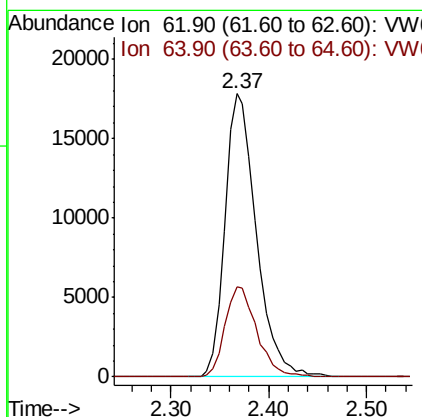
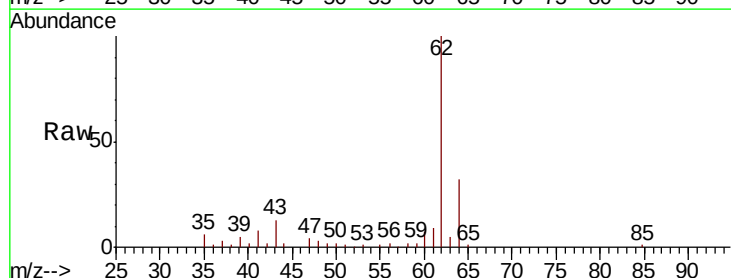
Acq: 22 Dec 2018 15:09

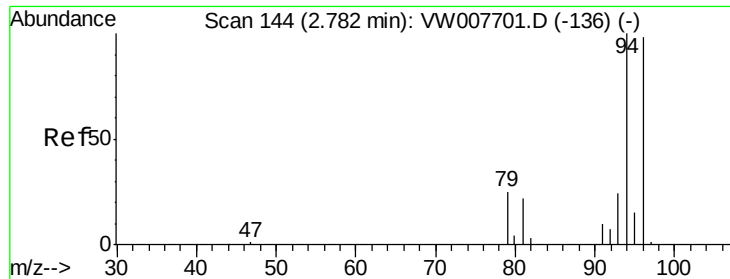
Tgt Ion: 62 Resp: 39410

Ion Ratio Lower Upper

62 100

64 31.8 23.4 35.0





#5

Bromomethane

Concen: 62.272 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 24768

Ion Ratio Lower Upper

94 100

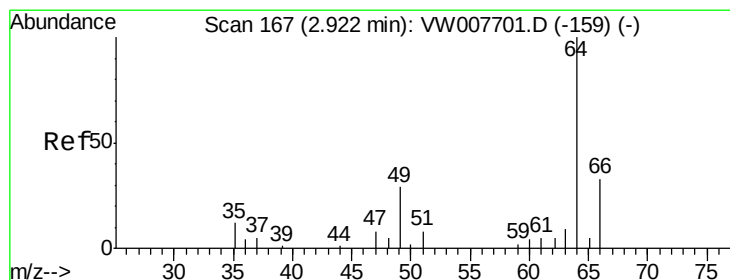
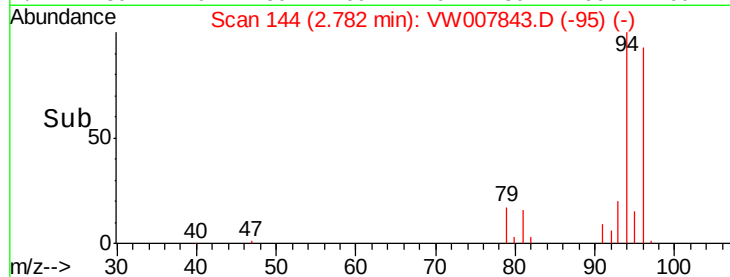
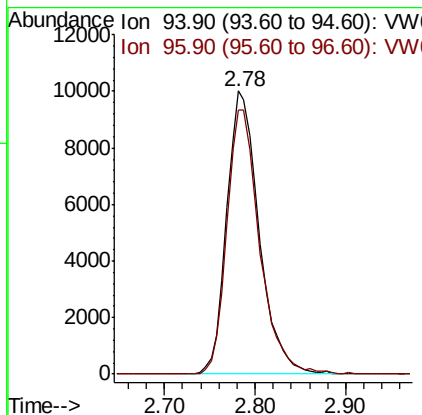
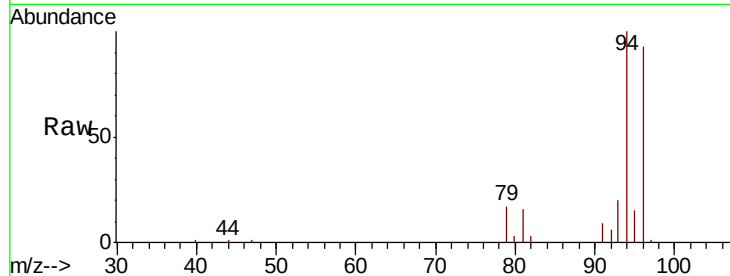
96 93.4 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 71.230 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007843.D

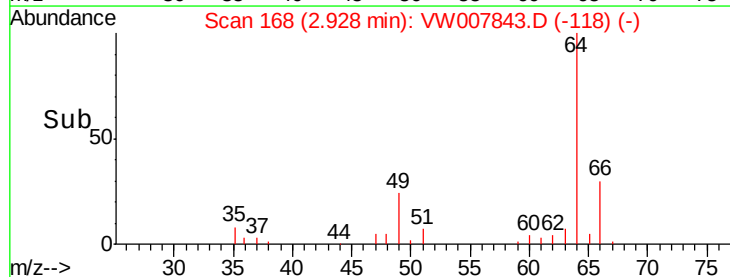
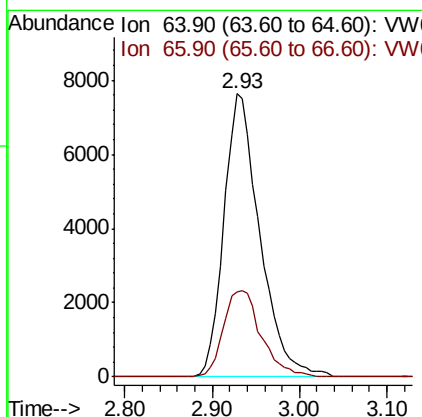
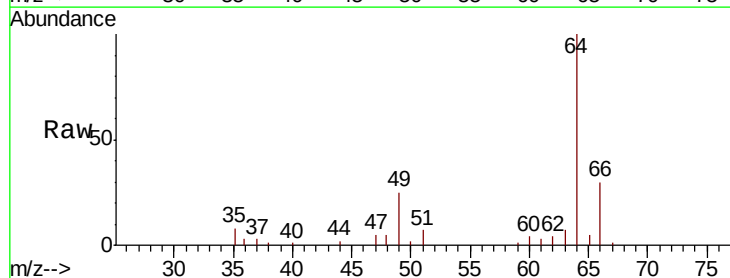
Acq: 22 Dec 2018 15:09

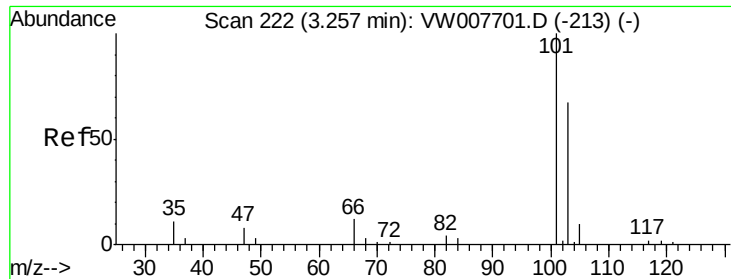
Tgt Ion: 64 Resp: 21761

Ion Ratio Lower Upper

64 100

66 30.1 26.2 39.4





#7

Trichlorofluoromethane
 Concen: 55.603 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

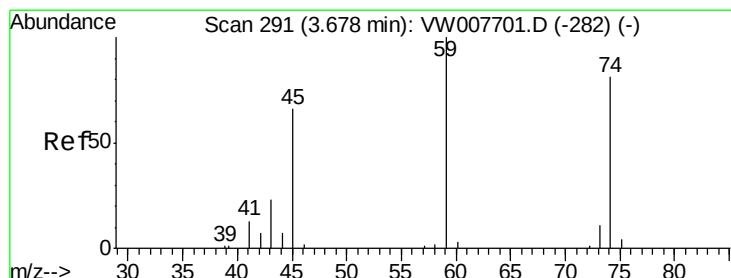
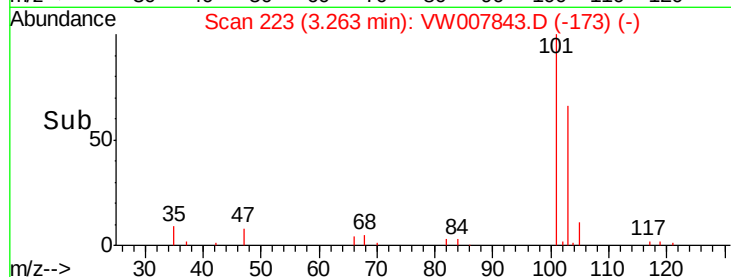
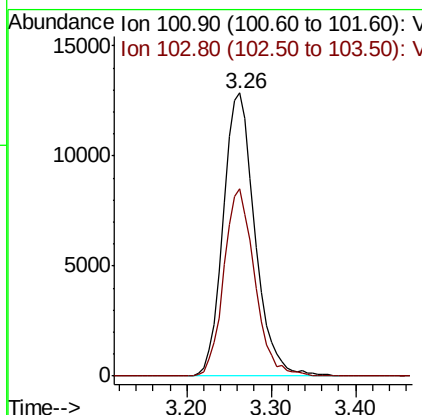
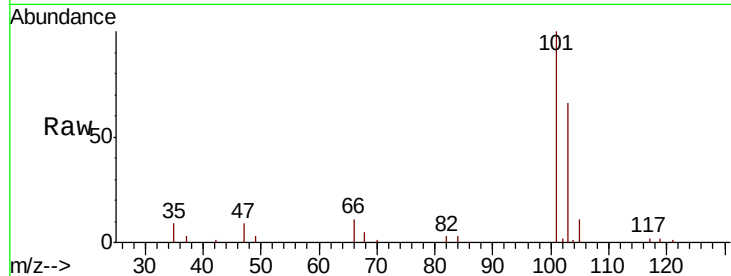
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.4	53.4	80.2

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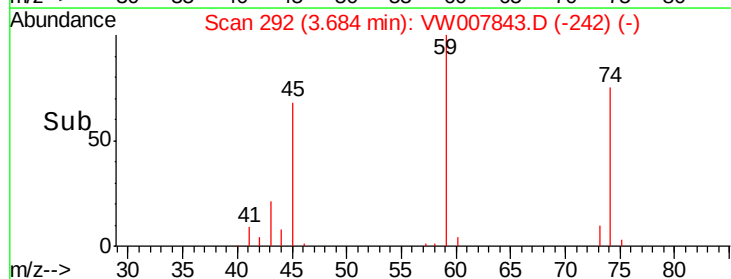
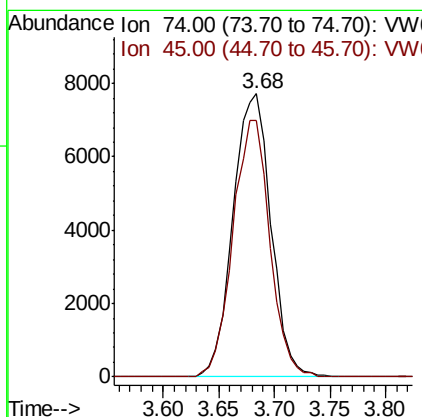
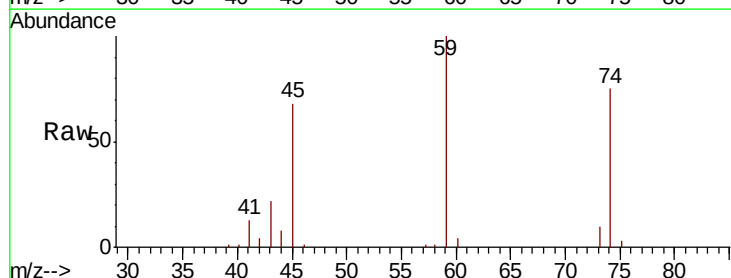
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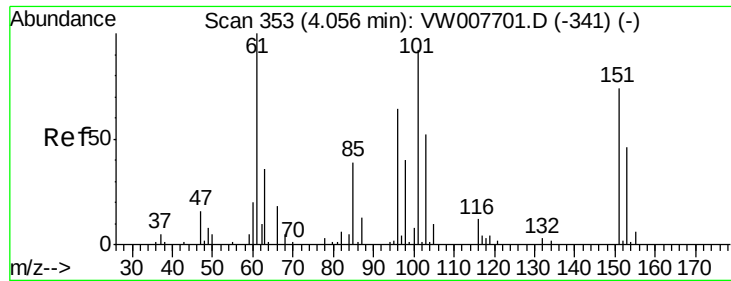


#8

Diethyl Ether
 Concen: 50.063 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.9	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.254 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

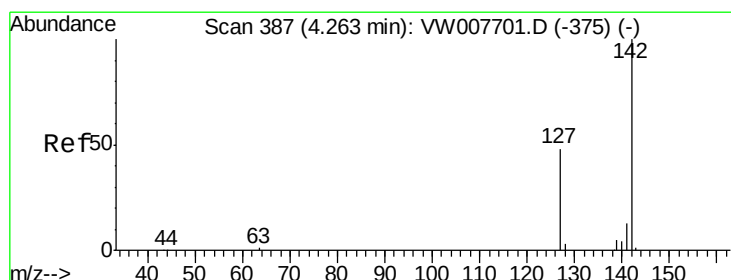
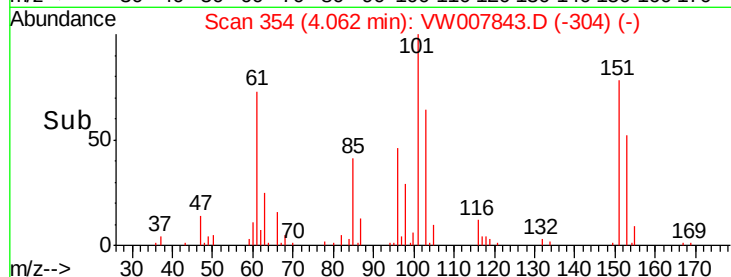
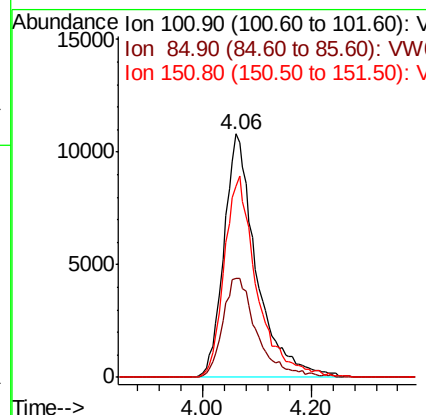
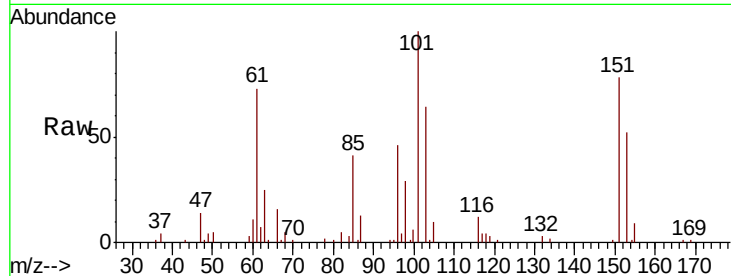
VSTDCCC050

Tgt Ion:	101	Resp:	44877
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.3	51.5
151	83.3	64.6	96.8

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#10

Methyl Iodide

Concen: 51.093 ug/l

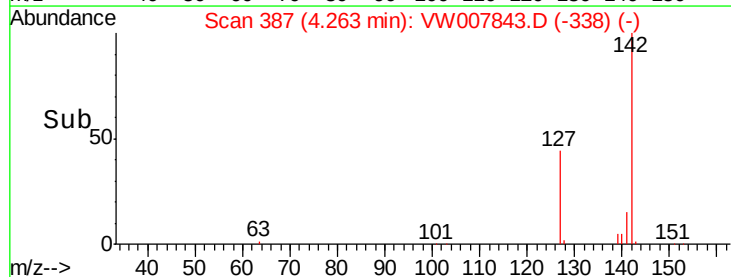
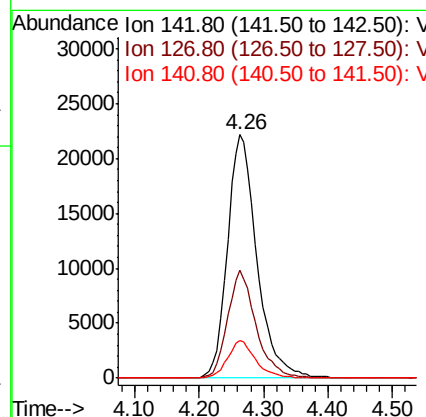
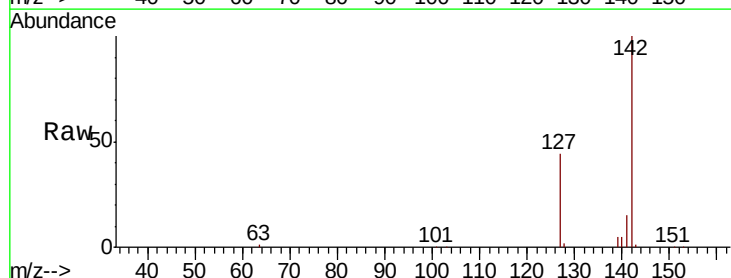
RT: 4.26 min Scan# 387

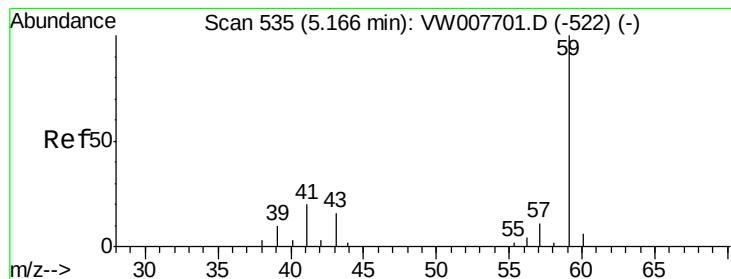
Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion:	142	Resp:	71143
Ion Ratio	Lower	Upper	
142	100		
127	42.7	37.7	56.5
141	14.6	11.5	17.3





#11

Tert butyl alcohol
Concen: 237.413 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

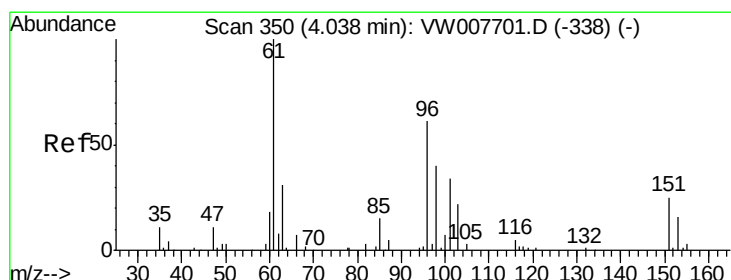
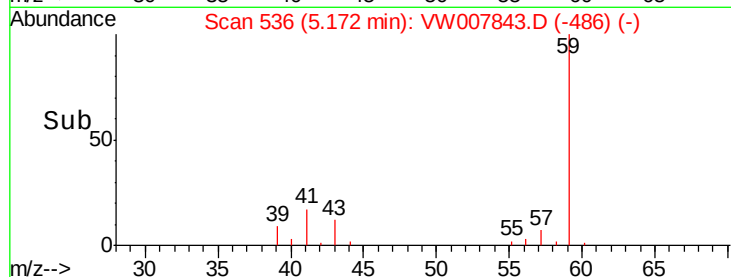
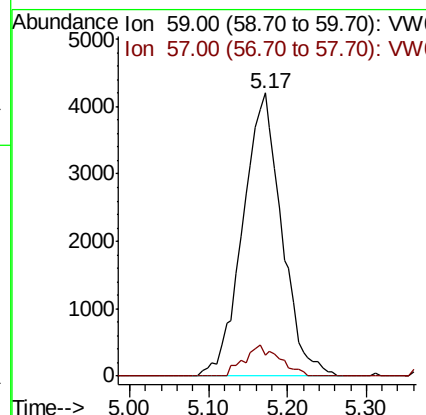
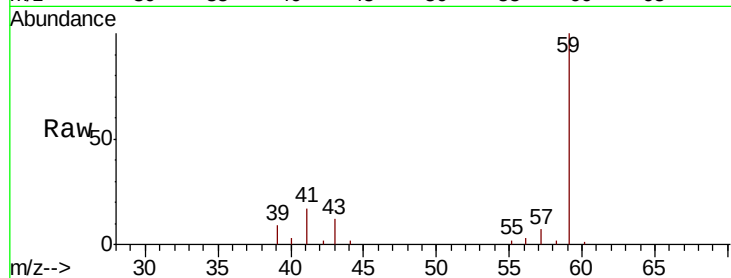
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

Manual Integrations
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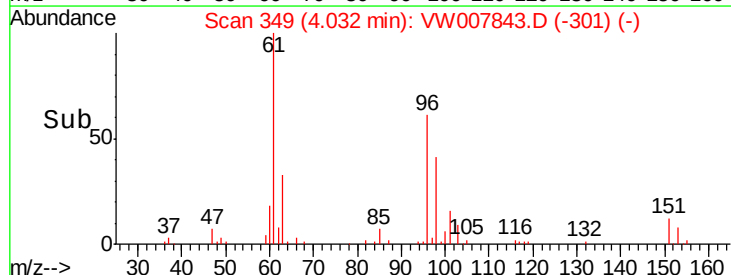
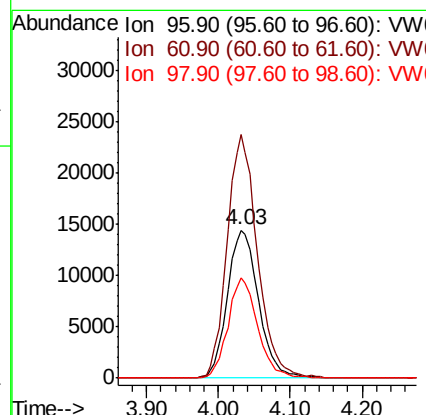
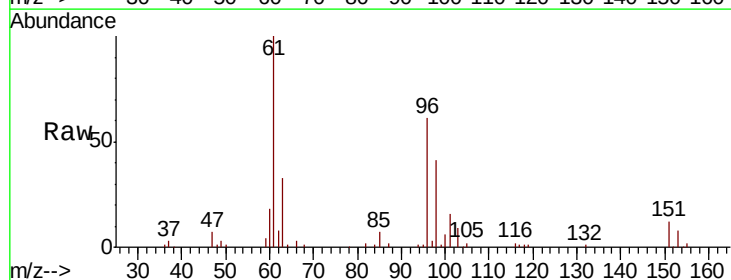
12/24/2018 3:18:27 PM

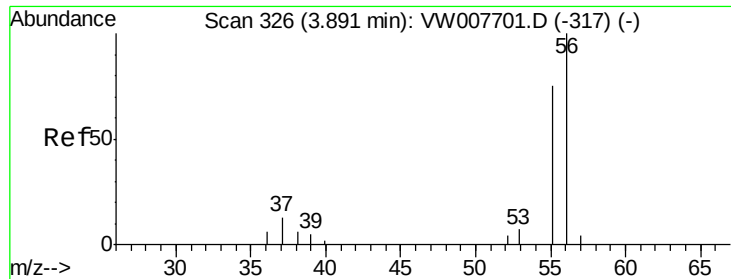


#12

1,1-Dichloroethene
Concen: 53.502 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	130.6	195.8
98	67.9	52.3	78.5





#13
Acrolein
Concen: 275.749 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

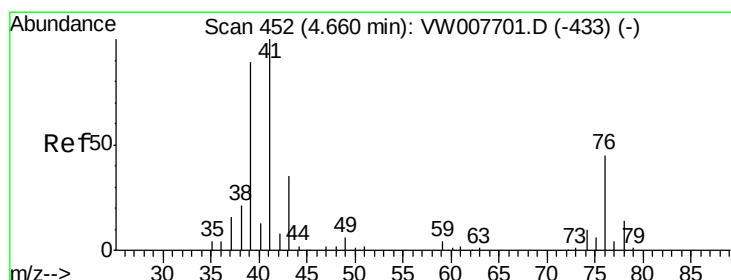
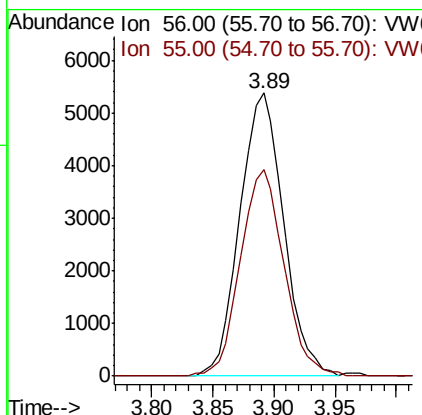
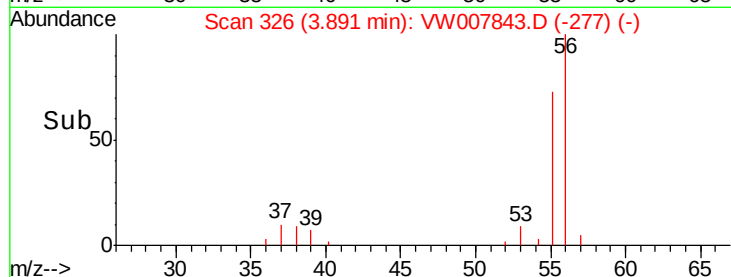
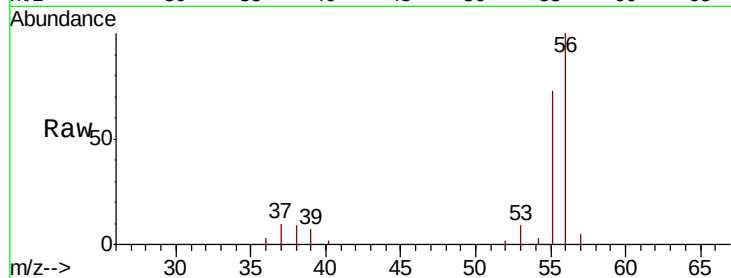
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 13396
Ion Ratio Lower Upper
56 100
55 72.7 57.7 86.5

Manual Integrations
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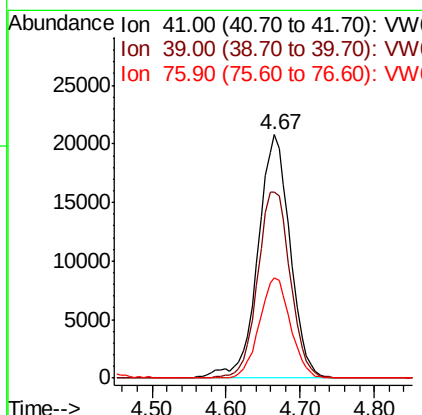
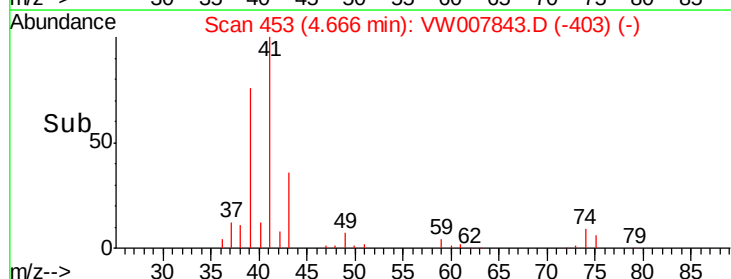
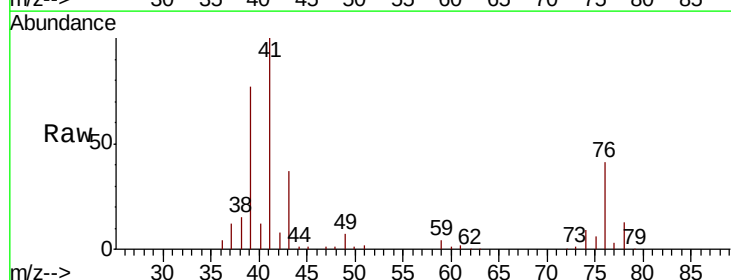
MMDadoda

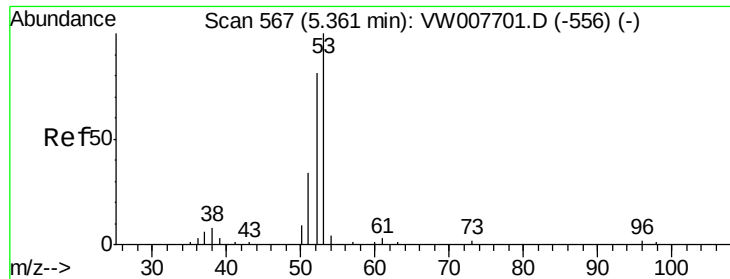
12/24/2018 3:18:27 PM



#14
Allyl chloride
Concen: 59.215 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 41 Resp: 62959
Ion Ratio Lower Upper
41 100
39 77.8 69.5 104.3
76 39.5 34.8 52.2





#15

Acrylonitrile

Concen: 259.934 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

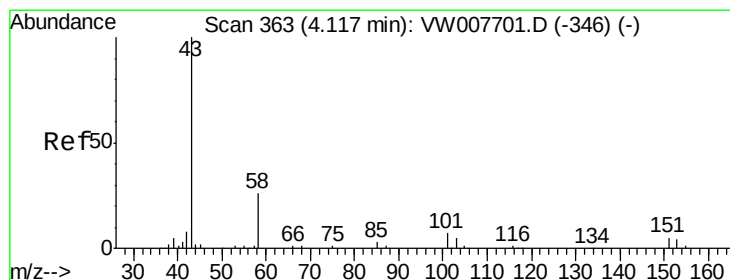
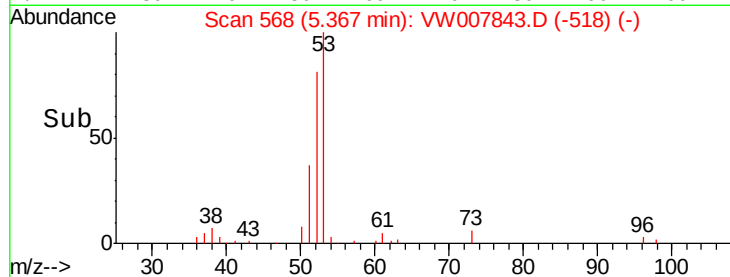
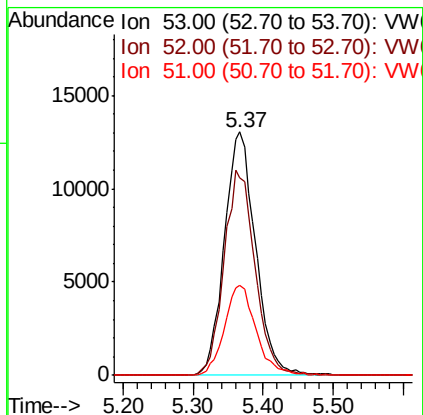
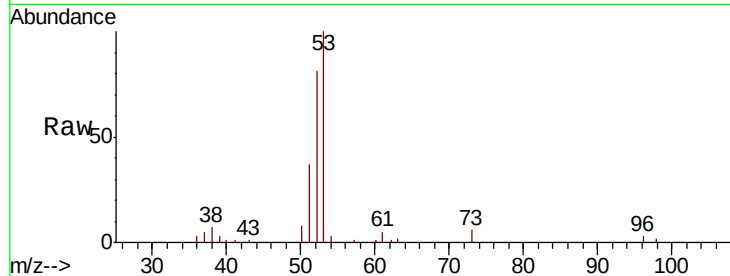
VSTDCCC050

Tgt Ion:	53	Resp:	40376
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.0	100.4
51	37.5	30.2	45.2

Manual Integrations
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MMDadoda

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#16

Acetone

Concen: 239.826 ug/l

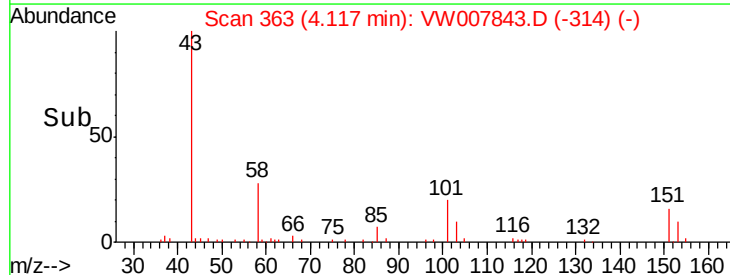
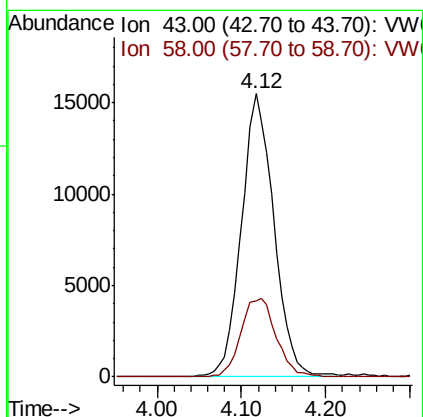
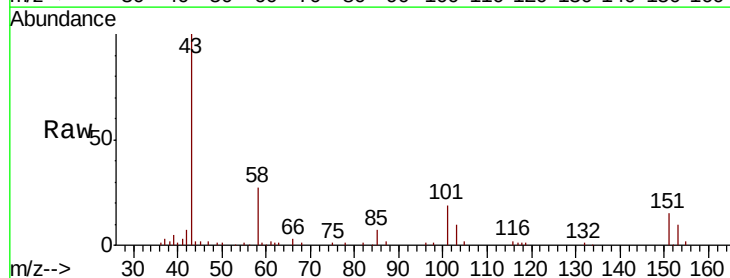
RT: 4.12 min Scan# 363

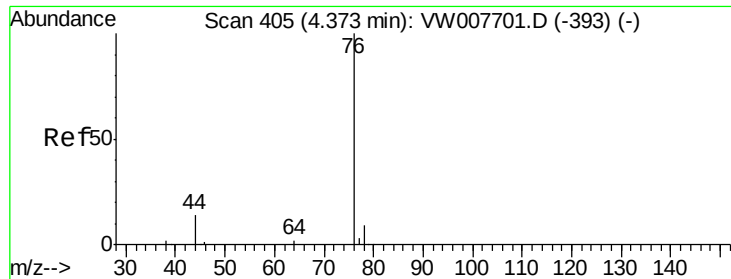
Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion:	43	Resp:	40450
Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.2	31.8





#17
Carbon Disulfide
Concen: 50.468 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

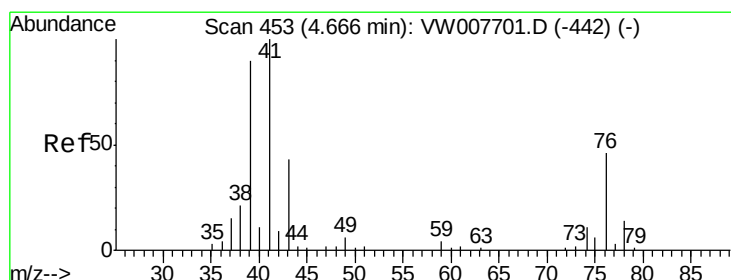
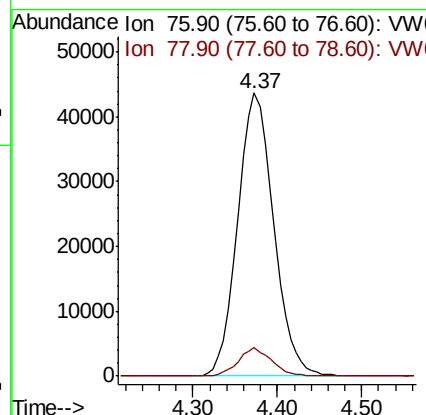
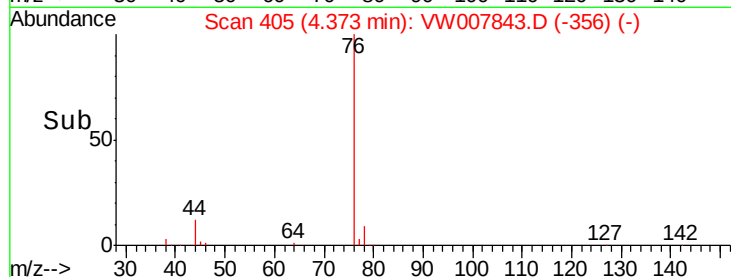
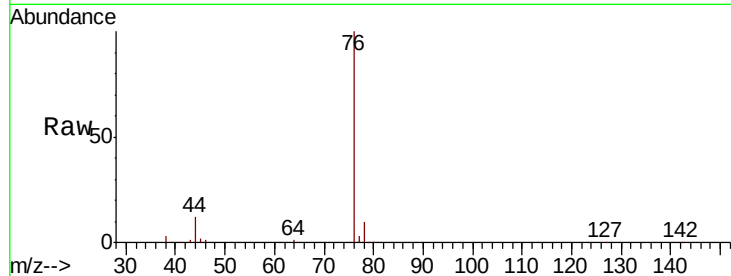
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 126623
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9

Manual Integrations
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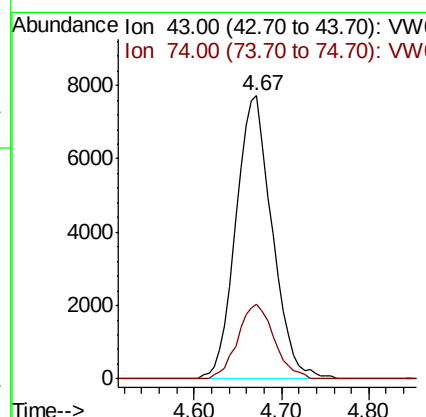
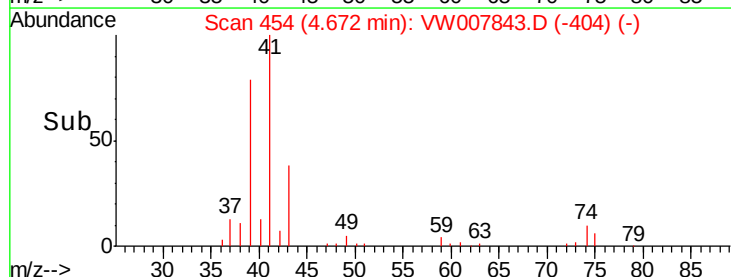
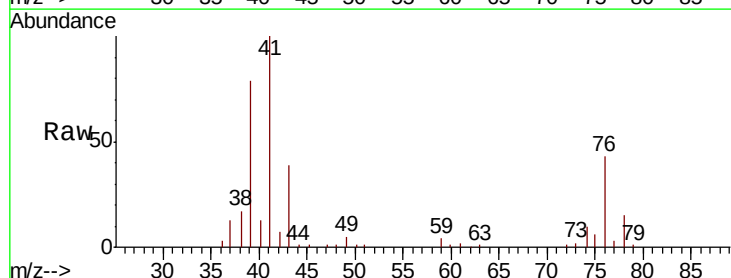
MMDadoda

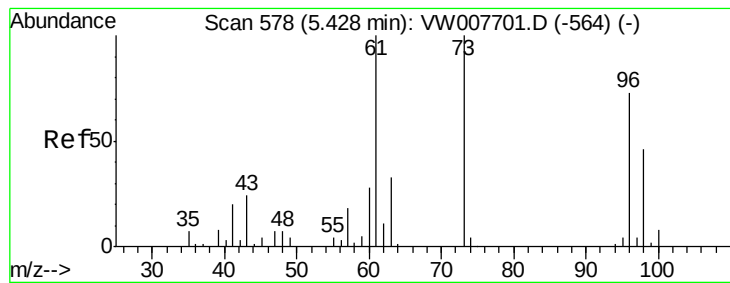
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#18
Methyl Acetate
Concen: 55.544 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 43 Resp: 22280
Ion Ratio Lower Upper
43 100
74 26.5 22.7 34.1





#19

Methyl tert-butyl Ether
 Concen: 57.156 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

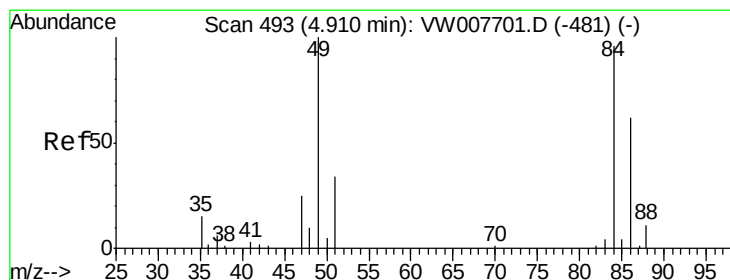
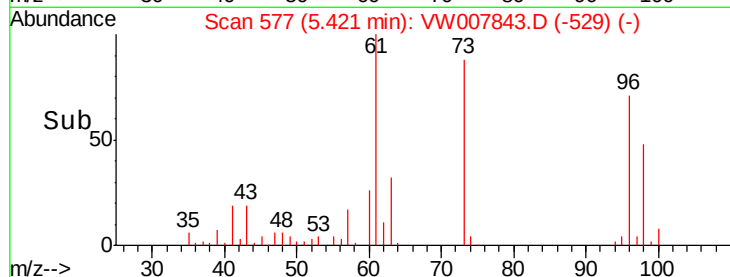
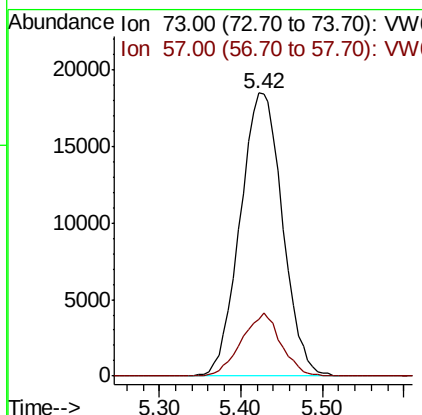
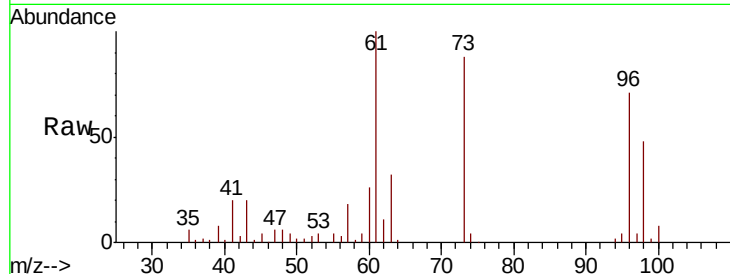
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 73 Resp: 66528
 Ion Ratio Lower Upper
 73 100
 57 20.3 14.7 22.1

Manual Integrations
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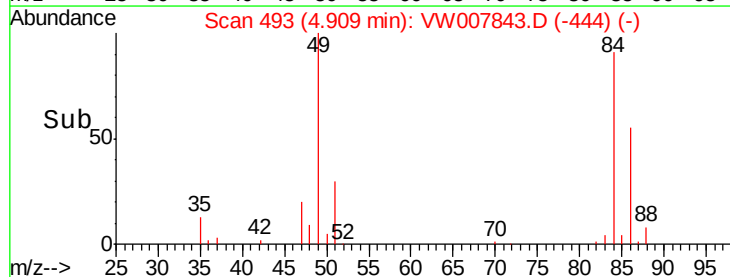
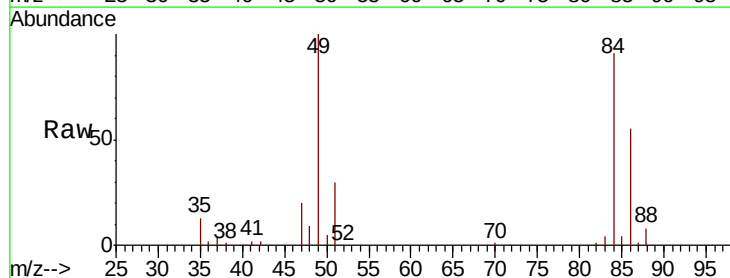
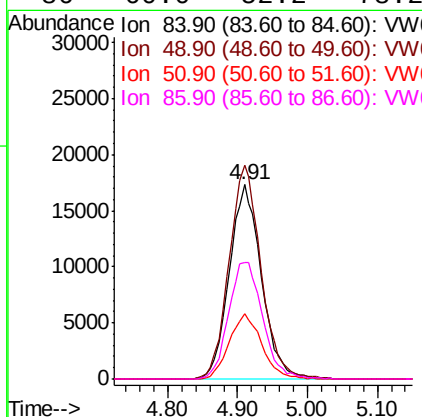
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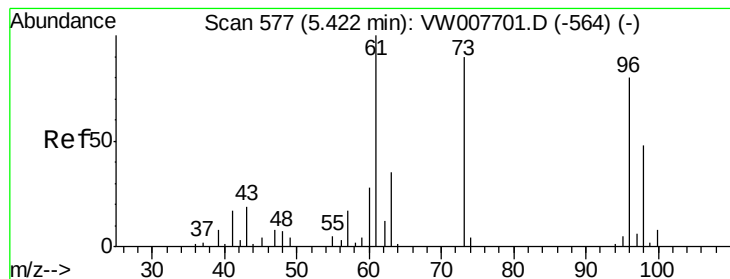


#20

Methylene Chloride
 Concen: 67.429 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 84 Resp: 55021
 Ion Ratio Lower Upper
 84 100
 49 109.9 83.7 125.5
 51 33.4 28.2 42.2
 86 60.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 51.319 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 45761

Ion Ratio Lower Upper

96 100

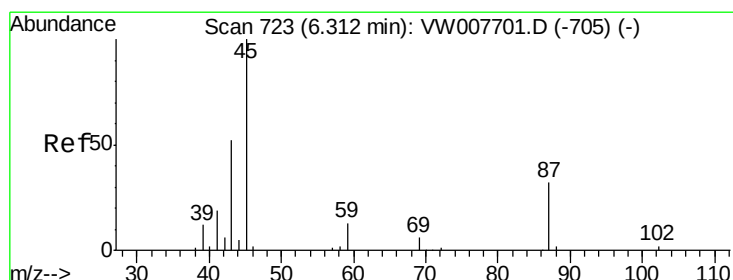
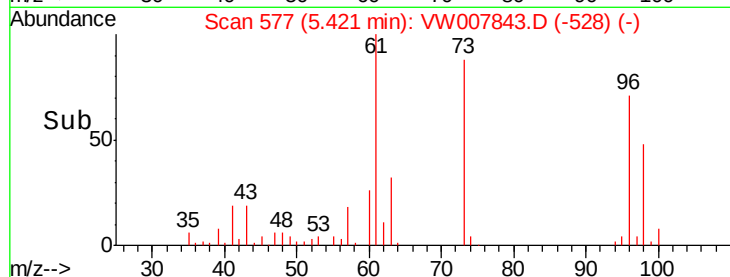
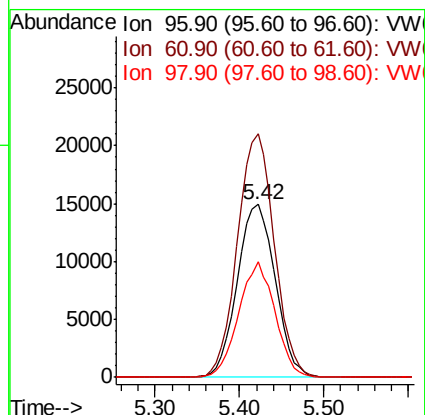
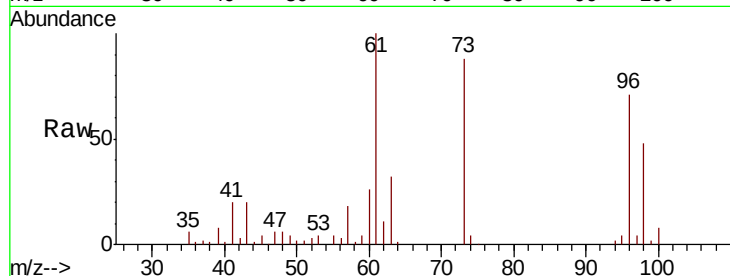
61 141.1 100.1 150.1

98 67.1 48.5 72.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 57.506 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion: 45 Resp: 114486

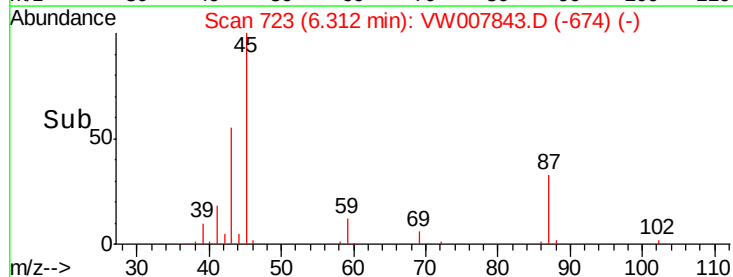
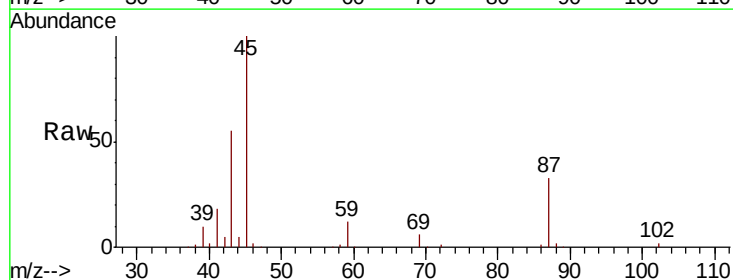
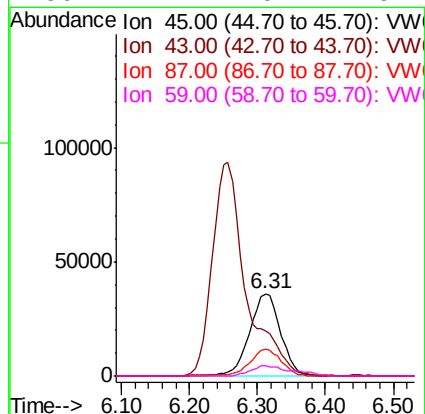
Ion Ratio Lower Upper

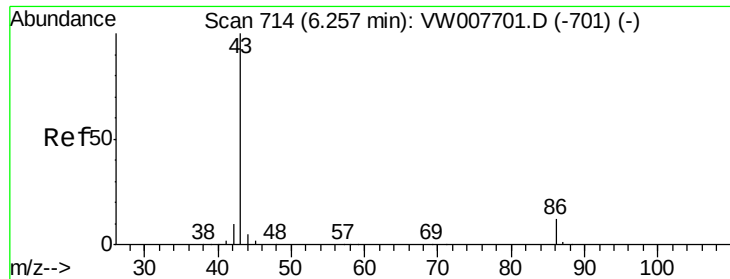
45 100

43 54.3 43.7 65.5

87 32.9 26.6 40.0

59 12.1 10.2 15.2





#23

Vinyl Acetate

Concen: 271.231 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 320817

Ion Ratio Lower Upper

43 100

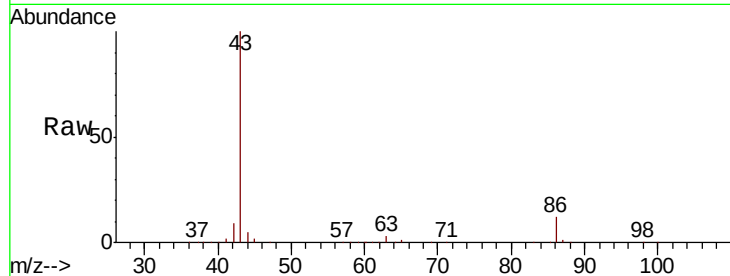
86 12.1 9.6 14.4

Manual Integrations

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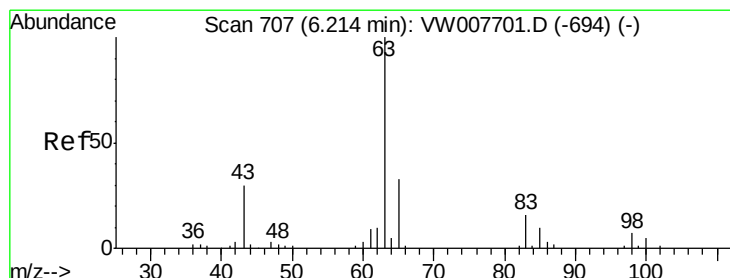
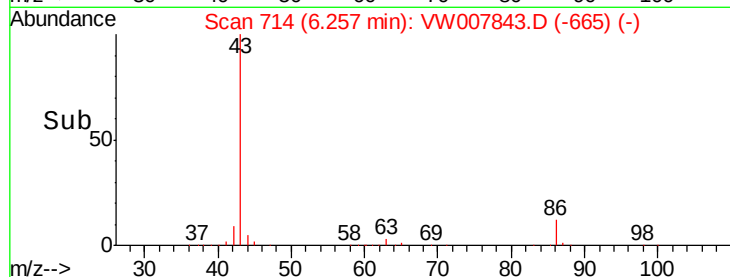
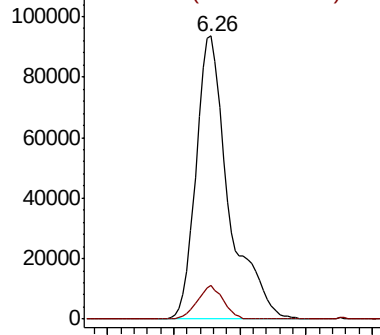
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 52.672 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

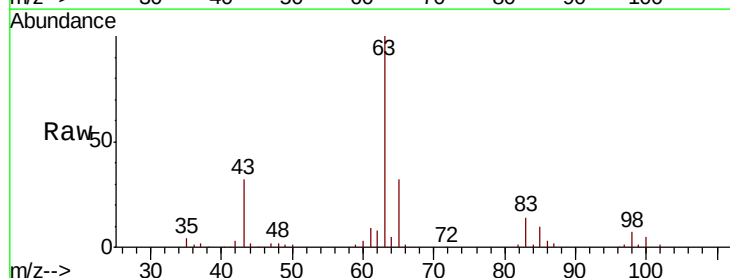
Tgt Ion: 63 Resp: 77142

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

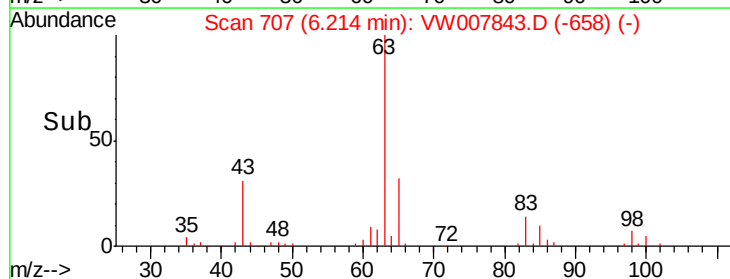
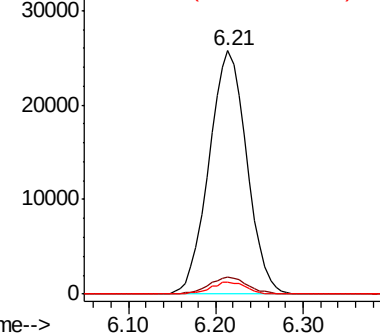
100 4.9 2.5 7.5

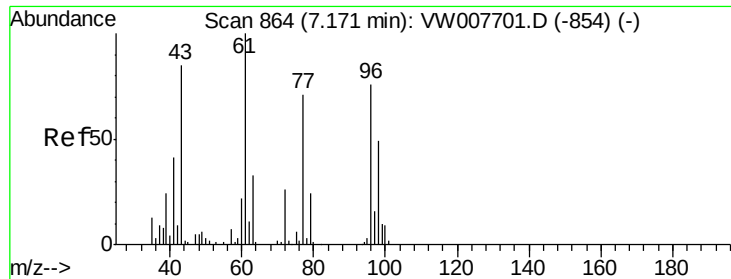


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 250.275 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 49443

Ion Ratio Lower Upper

43 100

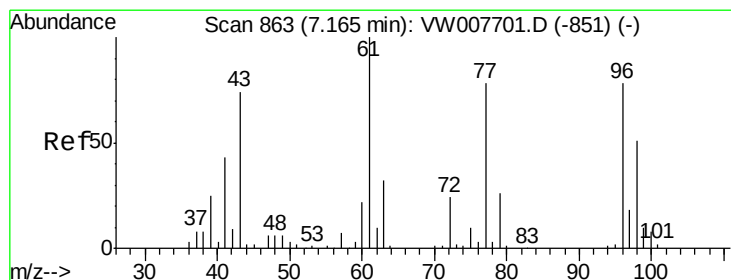
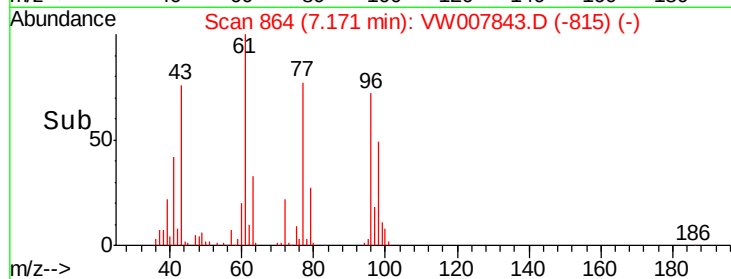
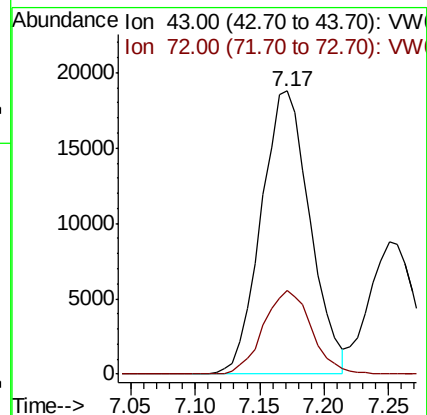
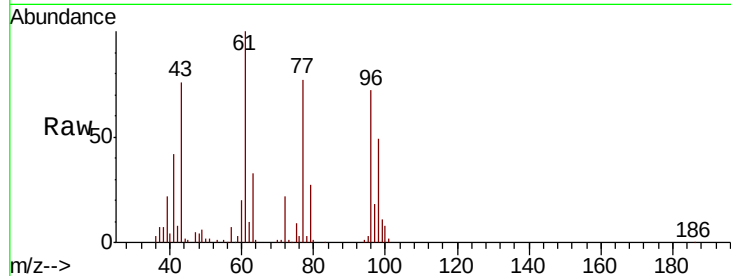
72 29.7 24.5 36.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.873 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007843.D

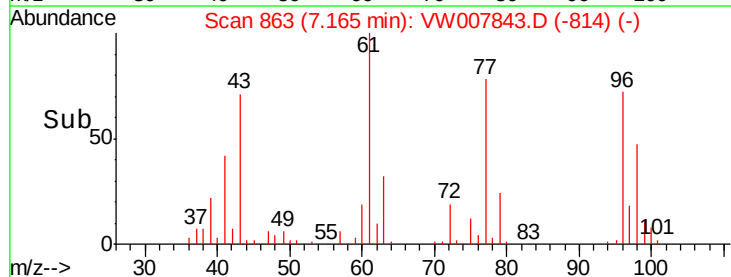
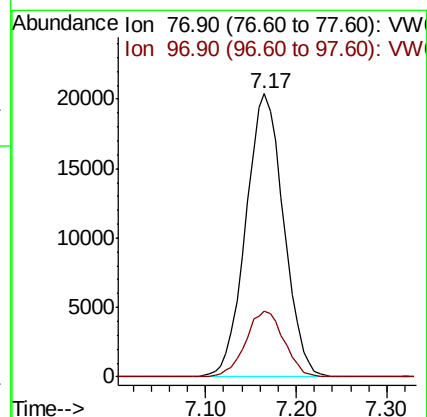
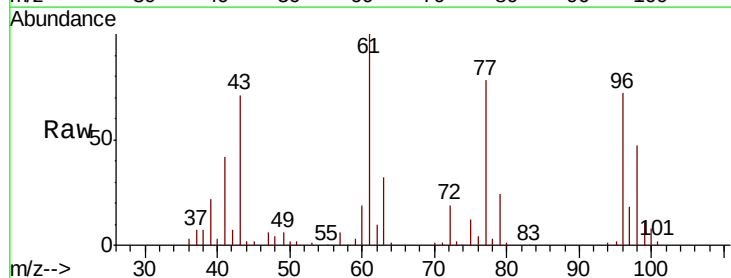
Acq: 22 Dec 2018 15:09

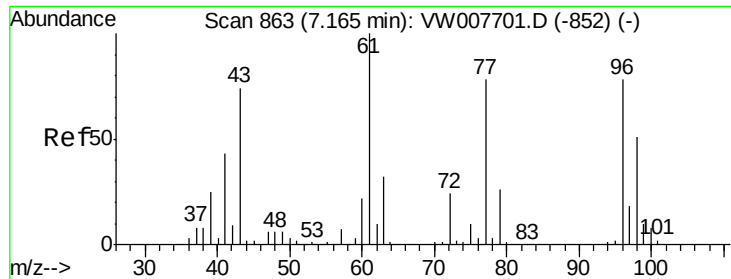
Tgt Ion: 77 Resp: 58809

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.9





#27

cis-1,2-Dichloroethene
Concen: 51.907 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

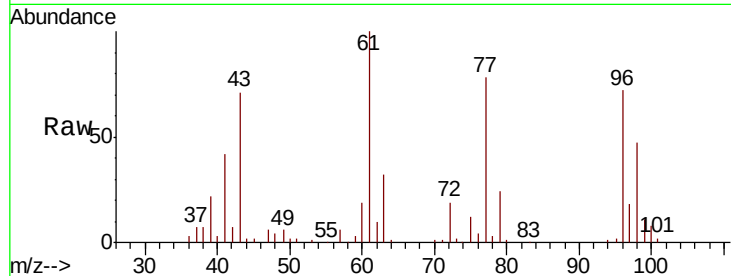
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	271.6
98	65.4	0.0	131.2

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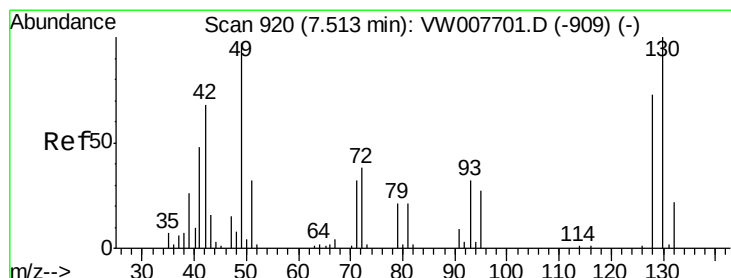
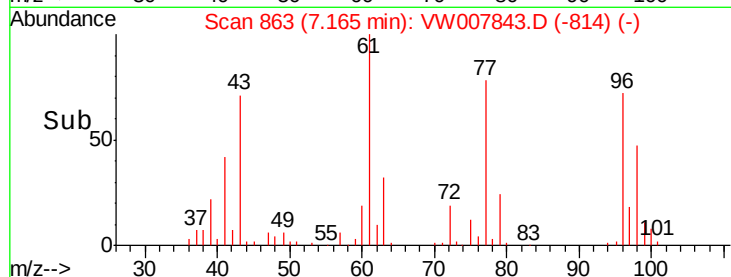
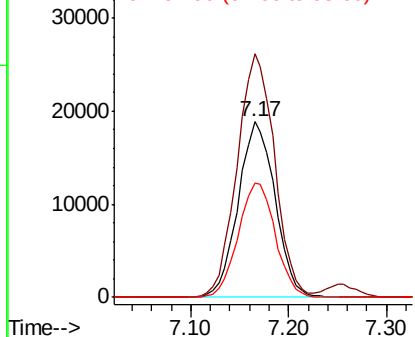


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

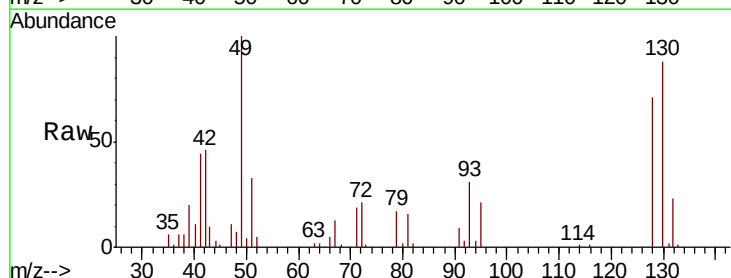
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 56.663 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.2
130	95.4	81.5	122.3

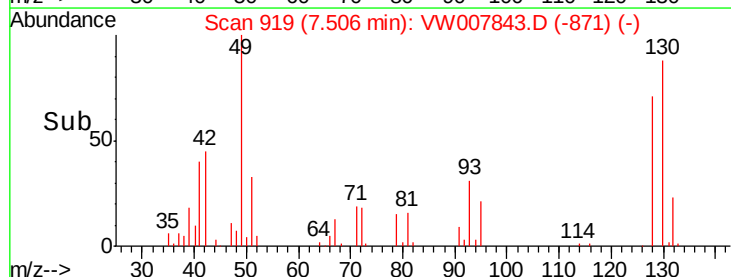
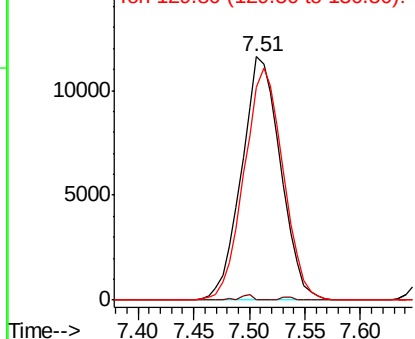


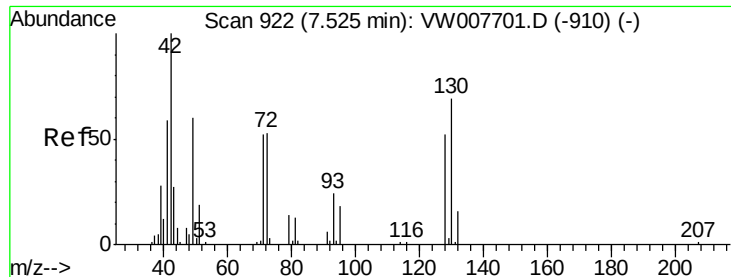
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29
Tetrahydrofuran
Concen: 268.910 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

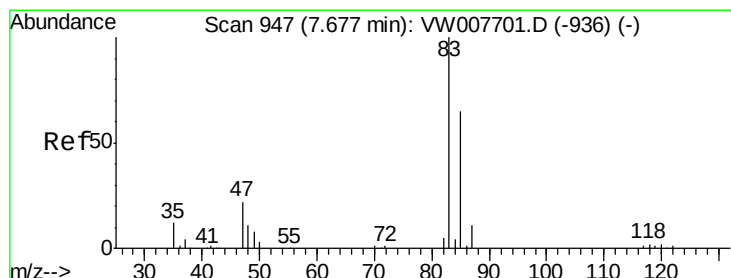
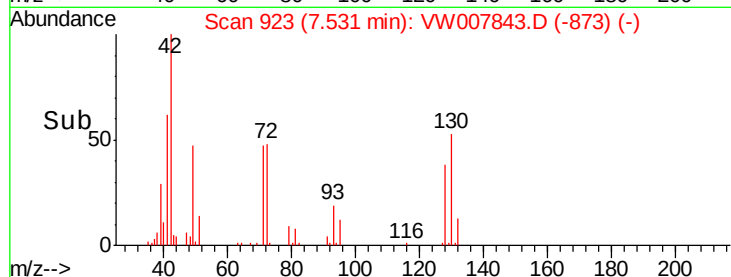
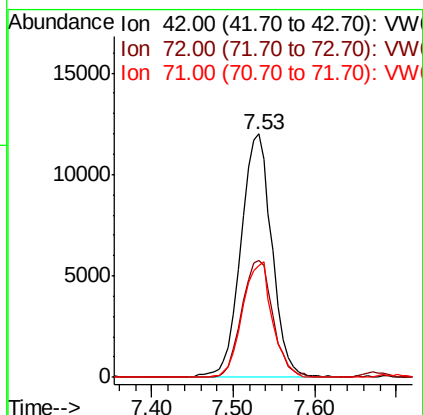
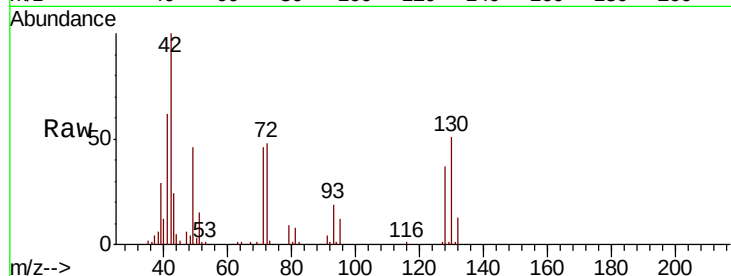
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.0	41.7	62.5
71	45.7	39.0	58.6

Manual Integrations
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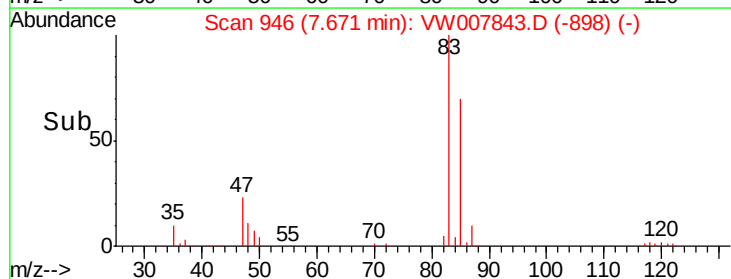
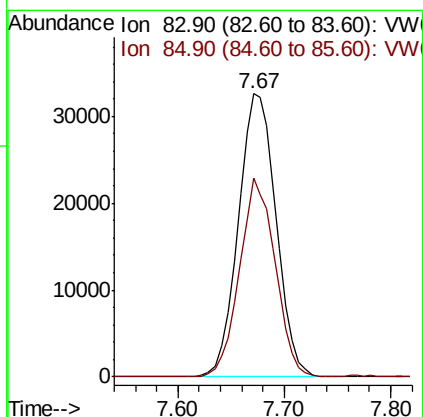
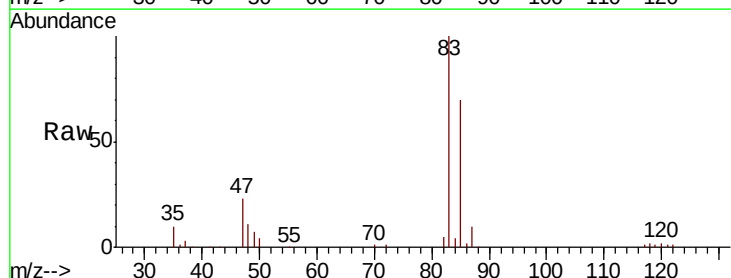
MMDadoda

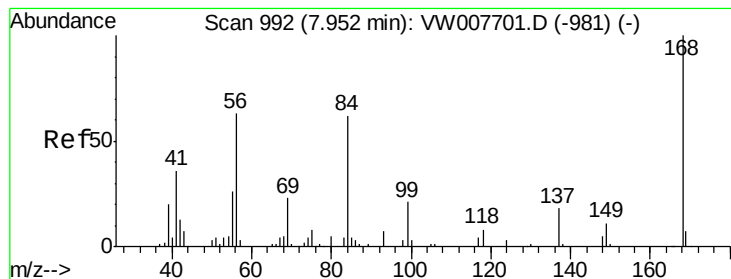
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#30
Chloroform
Concen: 48.879 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.1	52.2	78.2





#31

Cyclohexane

Concen: 55.500 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tgt Ion: 56 Resp: 74414
Ion Ratio Lower Upper

56 100

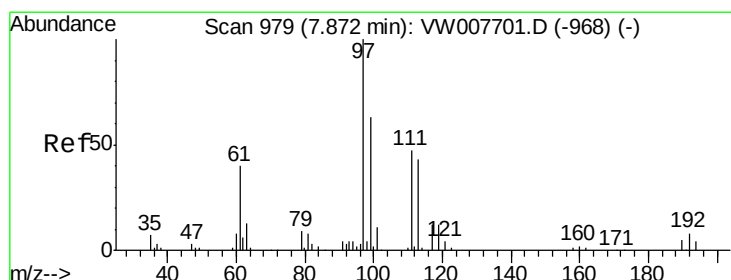
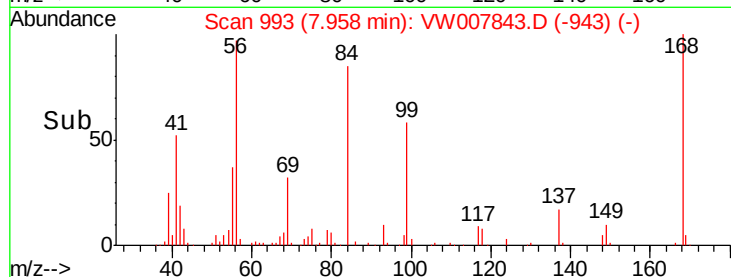
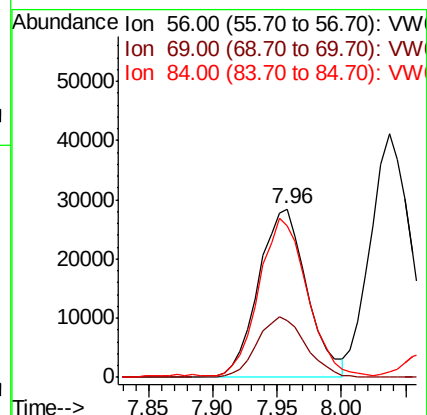
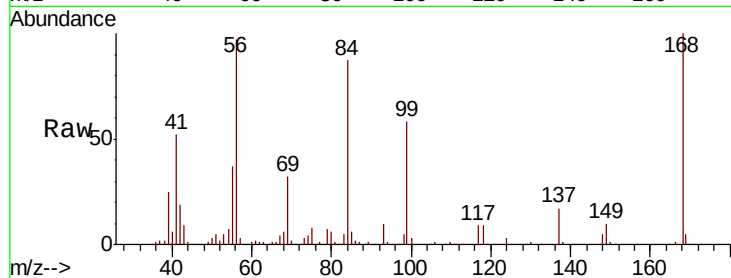
69 33.4 29.7 44.5

84 88.6 78.9 118.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.894 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007843.D

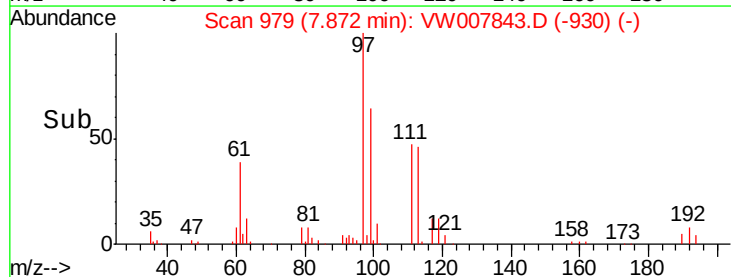
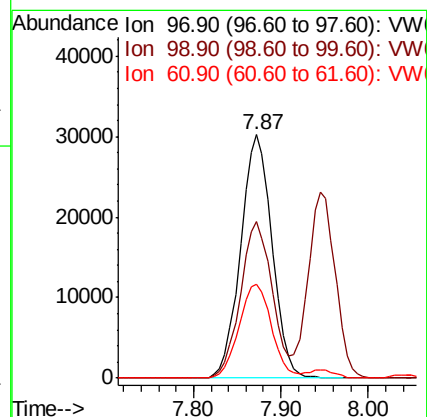
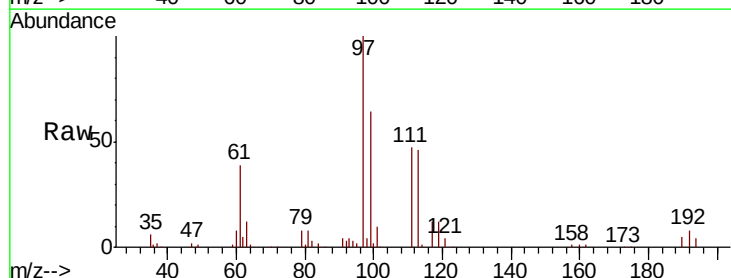
Acq: 22 Dec 2018 15:09

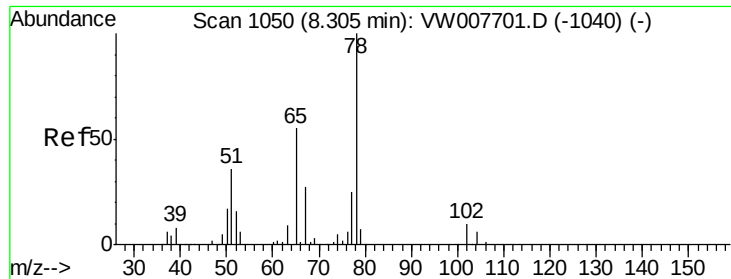
Tgt Ion: 97 Resp: 75316
Ion Ratio Lower Upper

97 100

99 64.9 50.6 76.0

61 40.0 32.3 48.5





#33
 1,2-Dichloroethane-d4
 Concen: 49.645 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

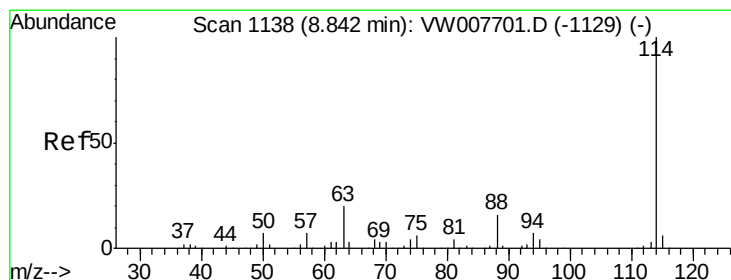
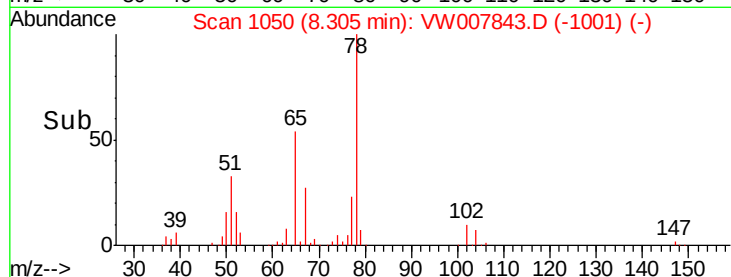
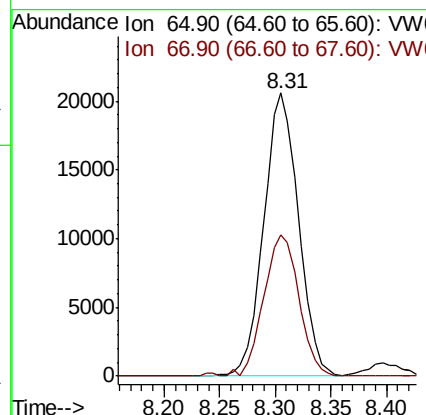
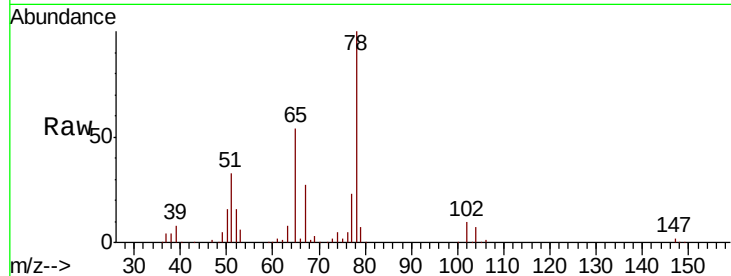
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 44715
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 100.6

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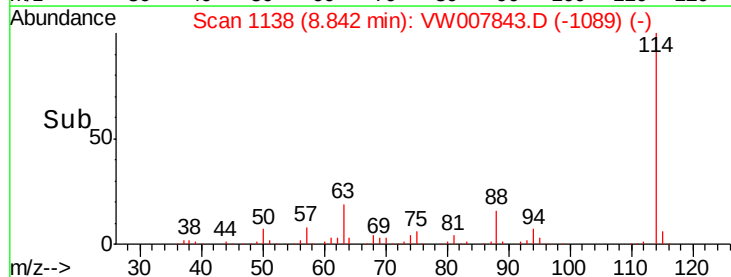
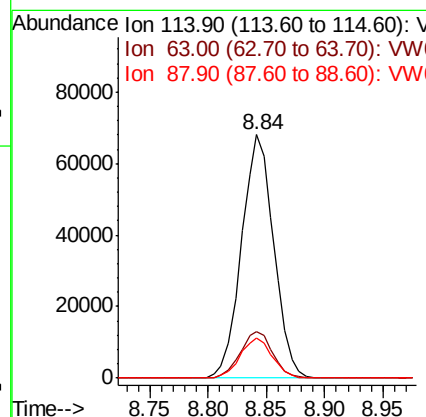
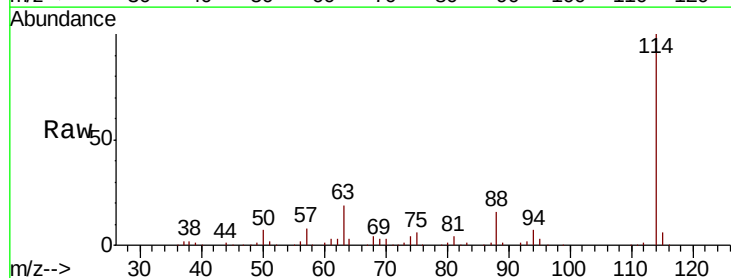
MMDadoda

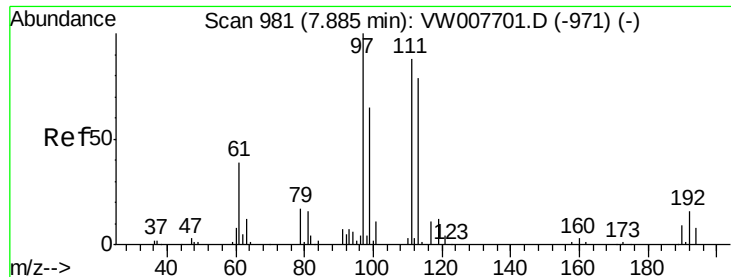
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 114 Resp: 131191
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 16.3 0.0 32.6





#35
 Dibromofluoromethane
 Concen: 53.160 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

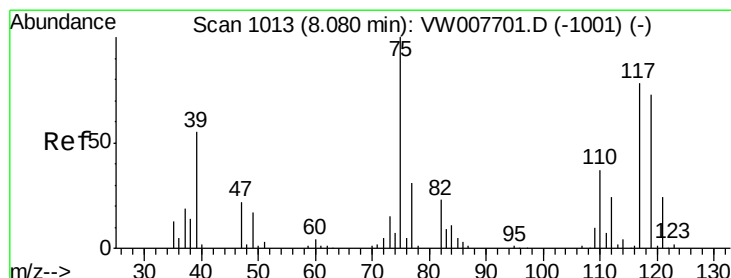
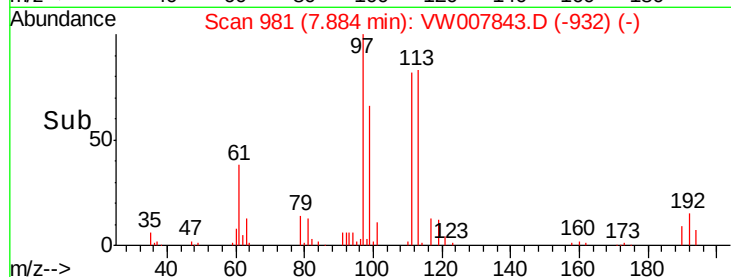
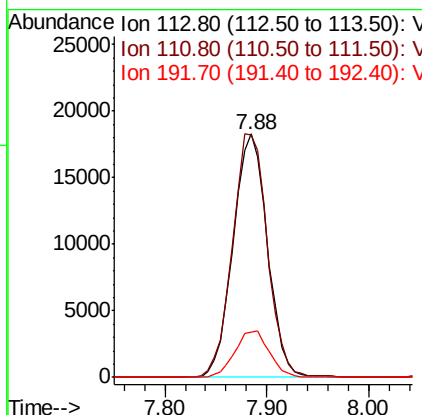
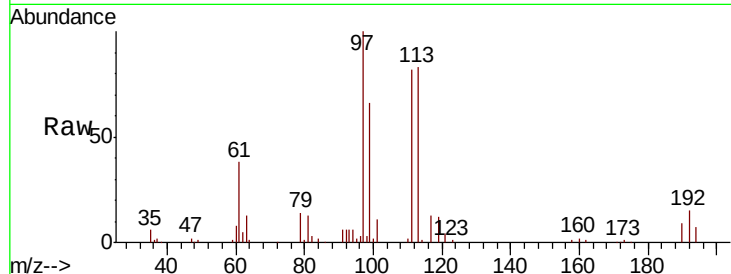
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	42546		
111	101.9	82.6	124.0	
192	19.2	15.5	23.3	

Manual Integrations
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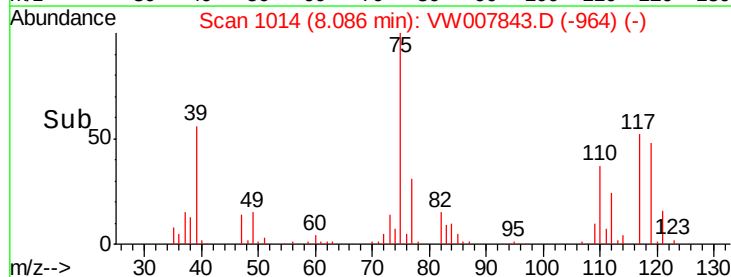
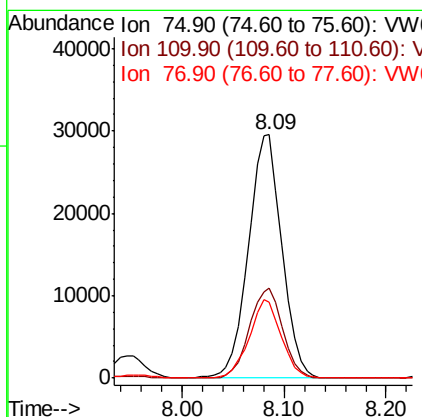
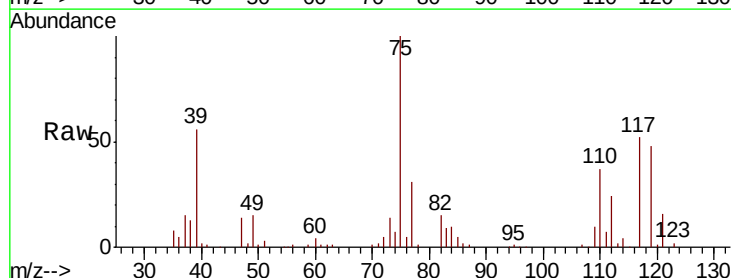
MMDadoda

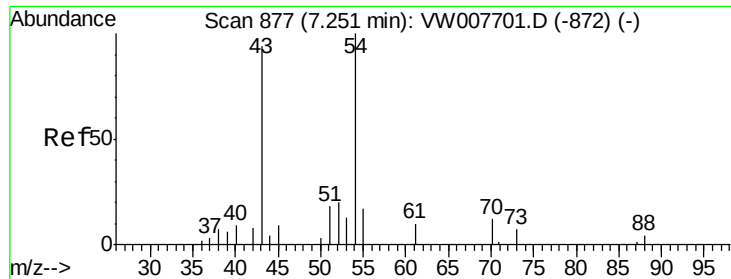
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#36
 1,1-Dichloropropene
 Concen: 53.322 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67518		
110	36.4	18.6	55.8	
77	30.9	25.0	37.4	





#37
Ethyl Acetate
Concen: 51.383 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

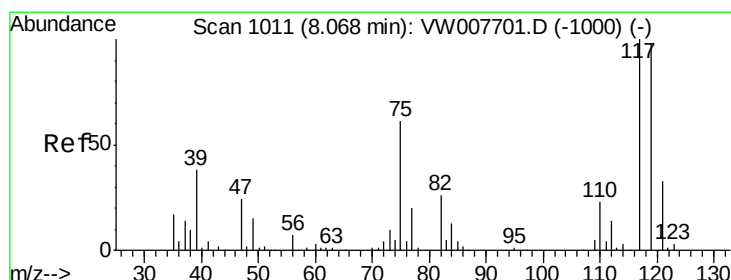
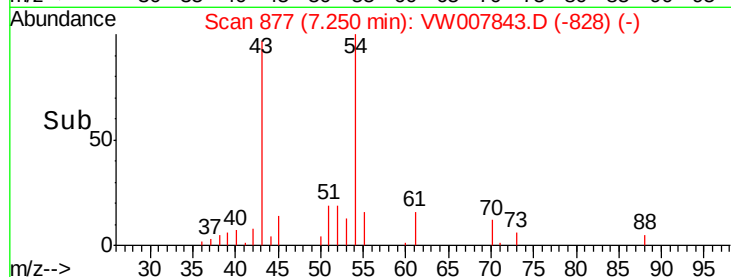
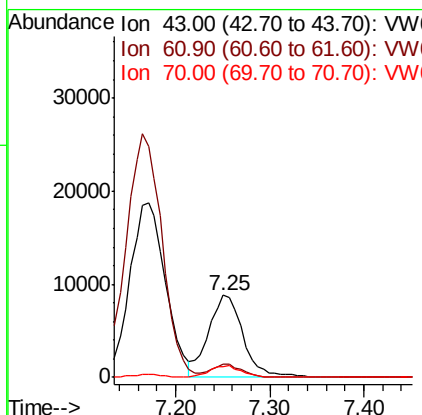
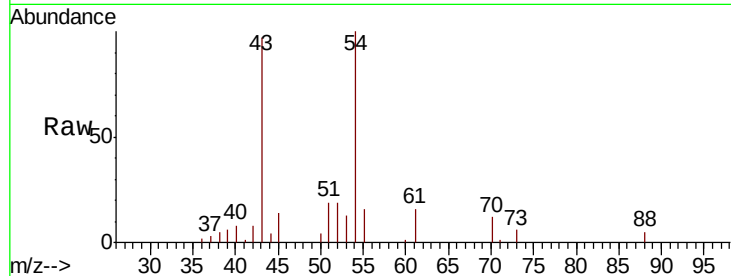
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	43	Resp:	22454
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	12.8	9.3	13.9

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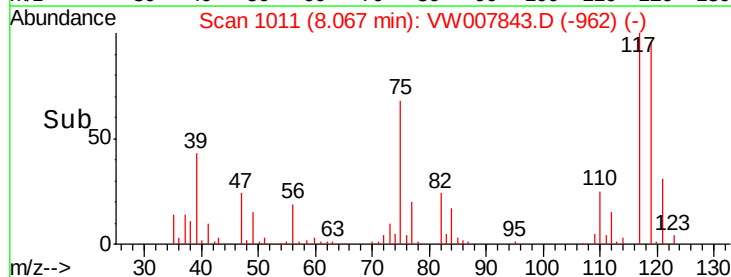
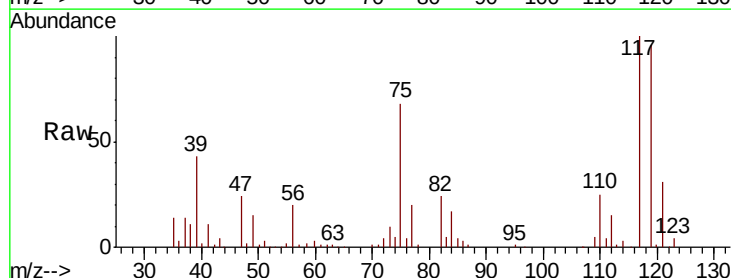
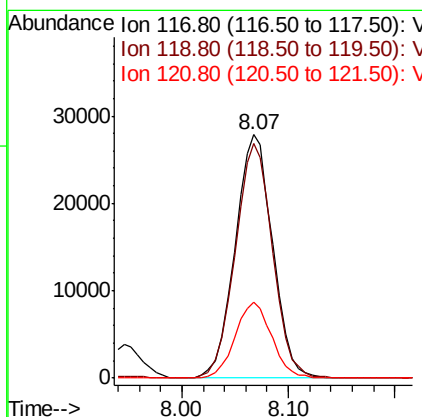
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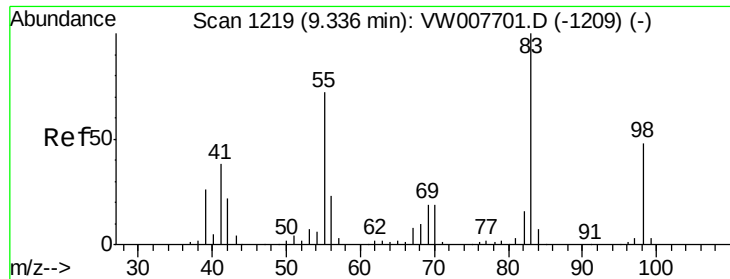
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#38
Carbon Tetrachloride
Concen: 46.027 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion:	117	Resp:	68636
Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.2	117.2
121	31.4	26.1	39.1





#39
Methylcyclohexane
Concen: 56.380 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

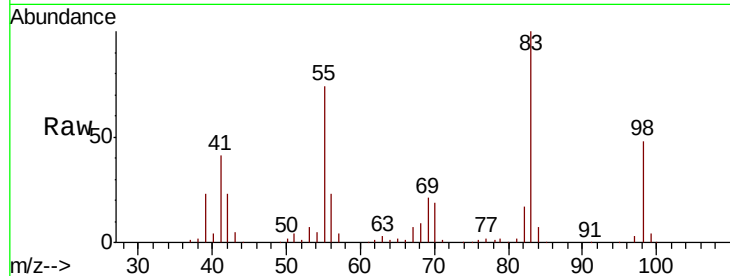
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.8	57.2	85.8
98	47.9	38.6	58.0

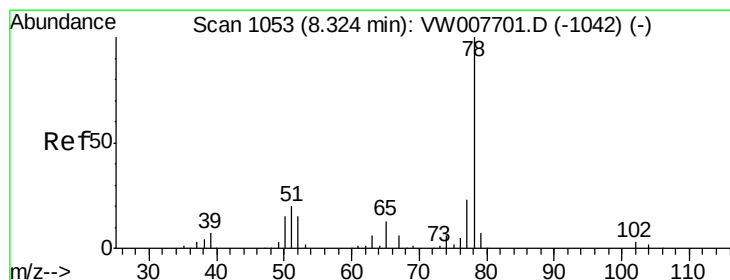
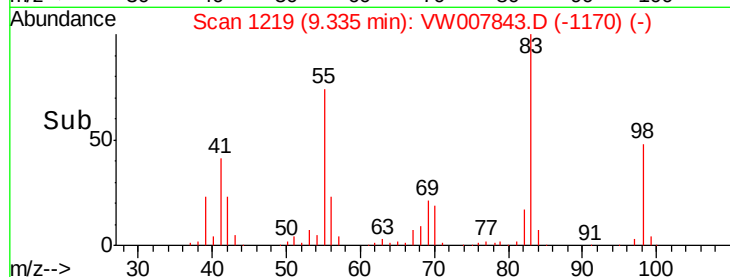
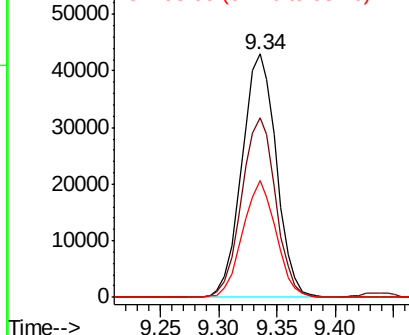
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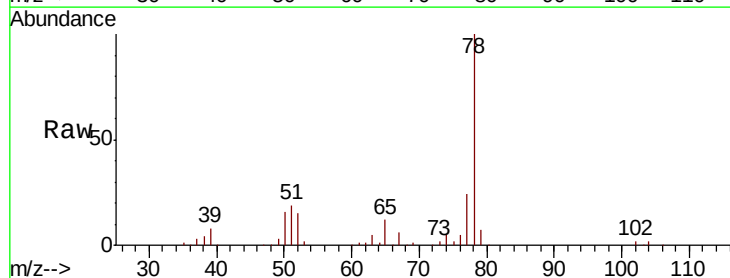


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

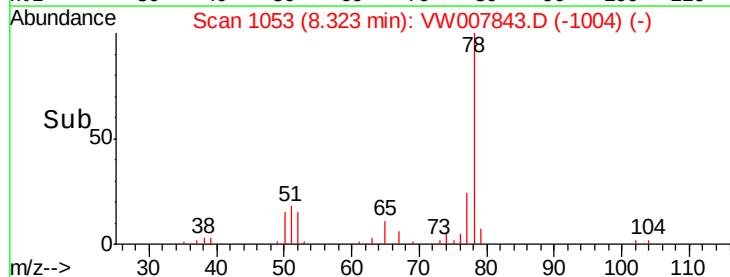
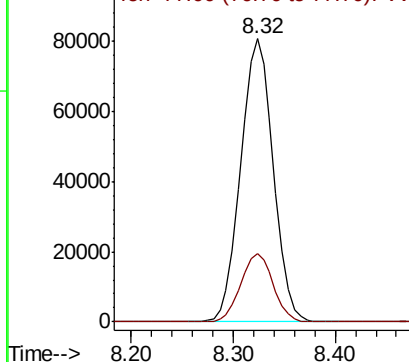


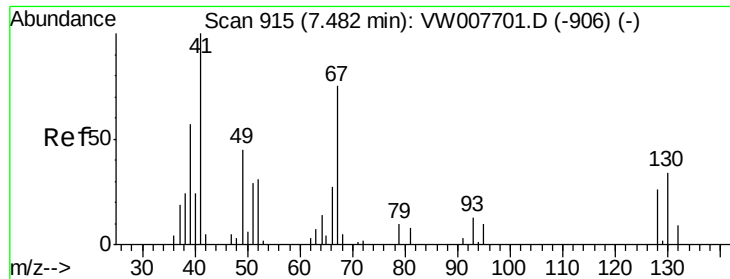
#40
Benzene
Concen: 52.893 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41
Methacrylonitrile
Concen: 55.928 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

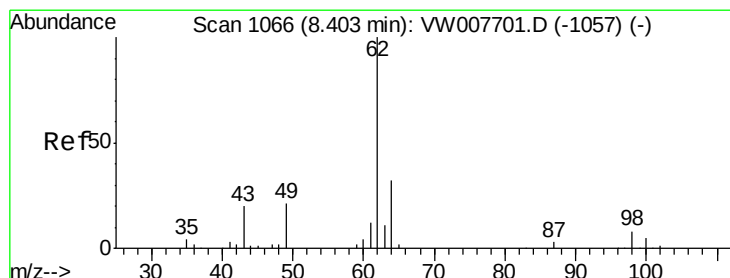
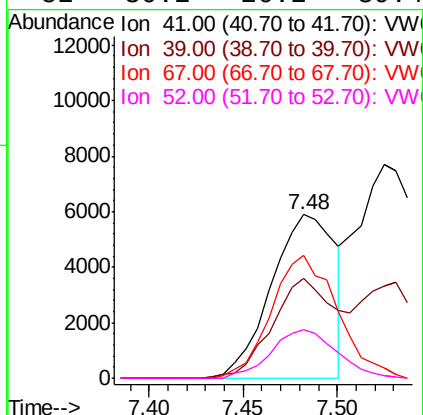
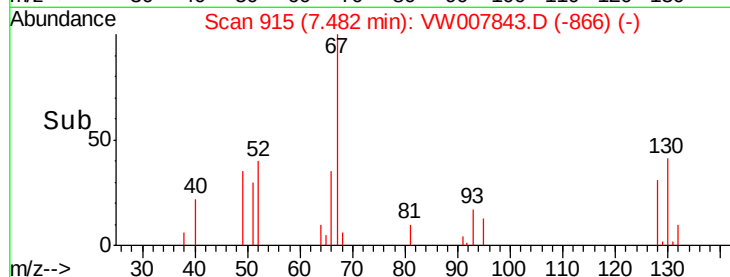
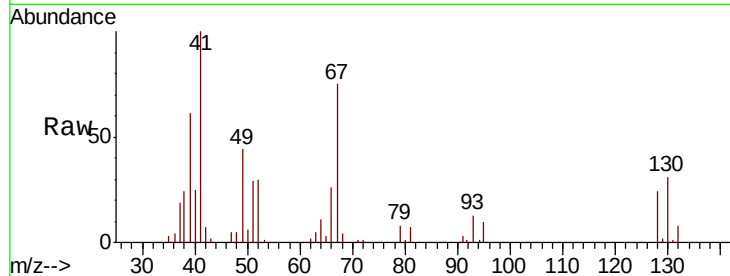
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.5	54.2	81.4
67	77.3	65.7	98.5
52	30.2	26.2	39.4

Manual Integrations
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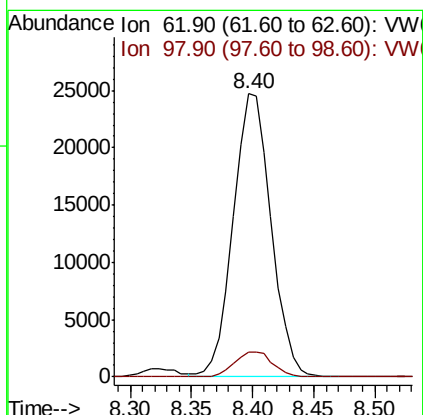
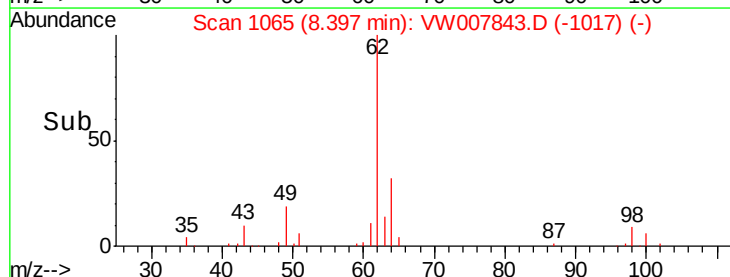
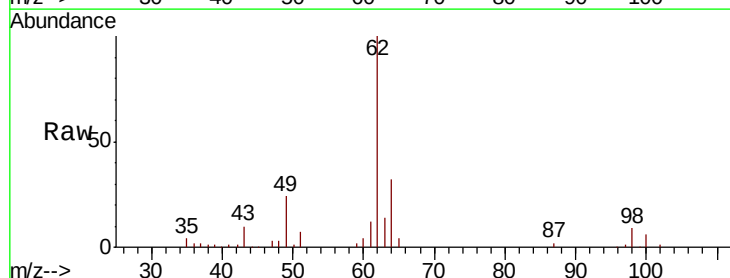
MMDadoda

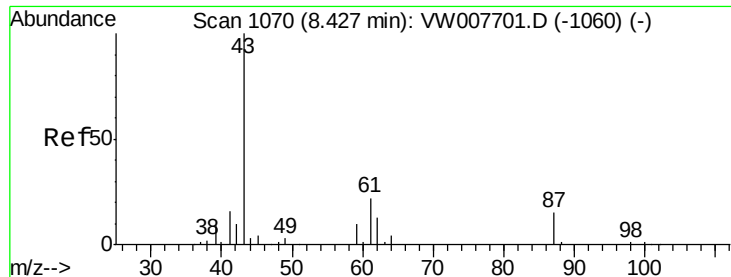
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#42
1,2-Dichloroethane
Concen: 46.849 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 52.300 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

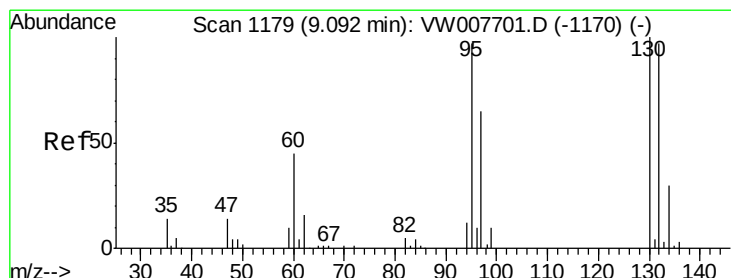
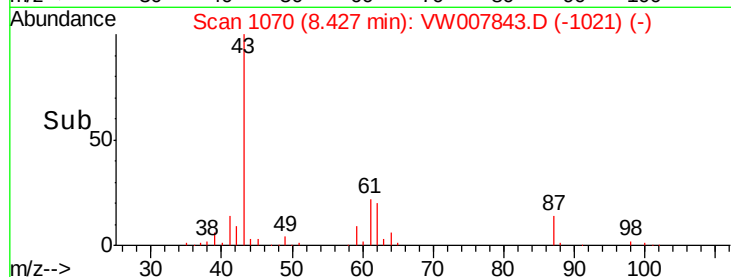
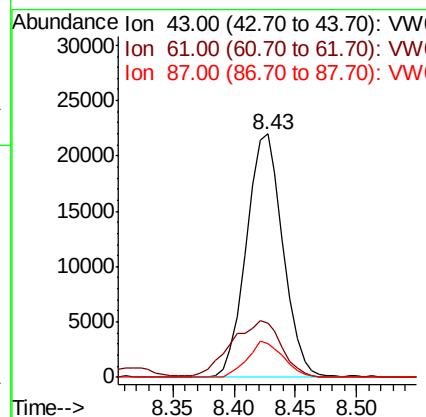
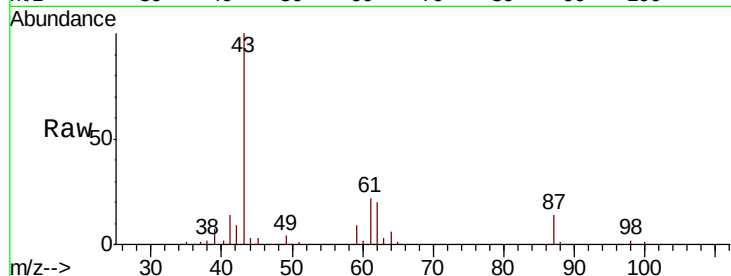
VSTDCCC050

Tgt Ion:	43	Resp:	45788
Ion	Ratio	Lower	Upper
43	100		
61	32.2	26.3	39.5
87	14.4	12.0	18.0

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#44

Trichloroethene

Concen: 51.738 ug/l

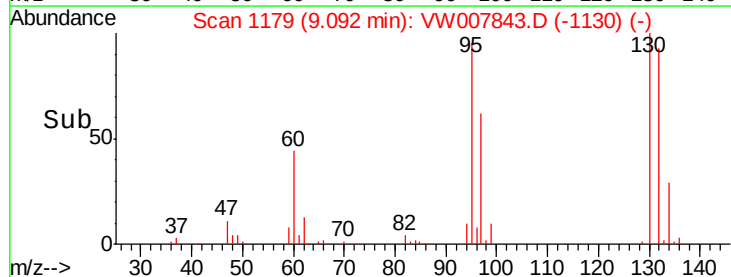
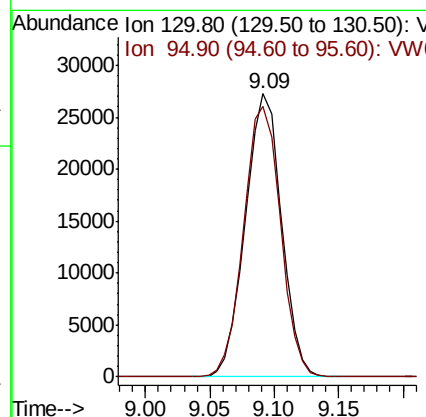
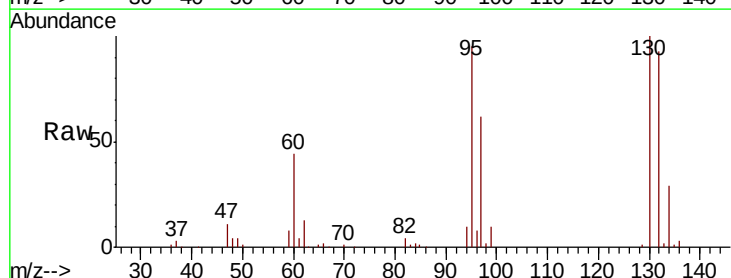
RT: 9.09 min Scan# 1179

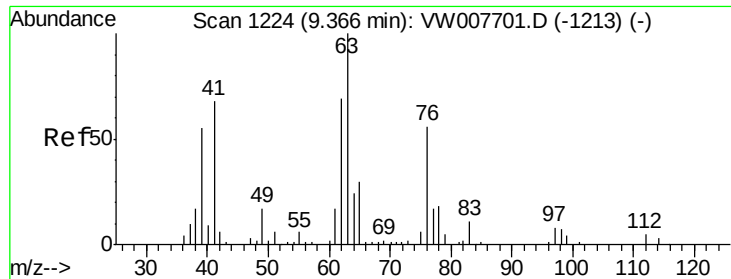
Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion:	130	Resp:	52867
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	194.8





#45
 1,2-Dichloropropane
 Concen: 54.429 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

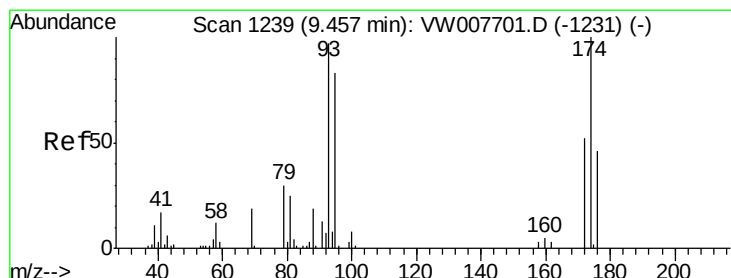
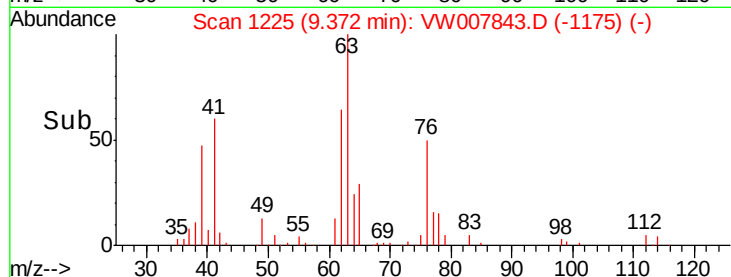
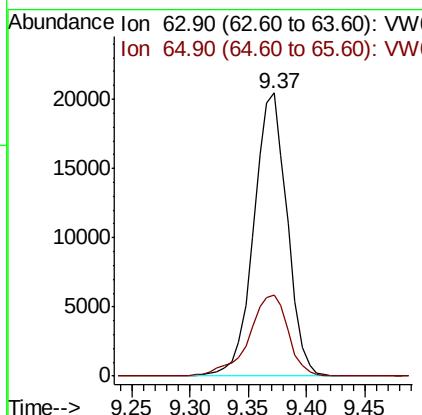
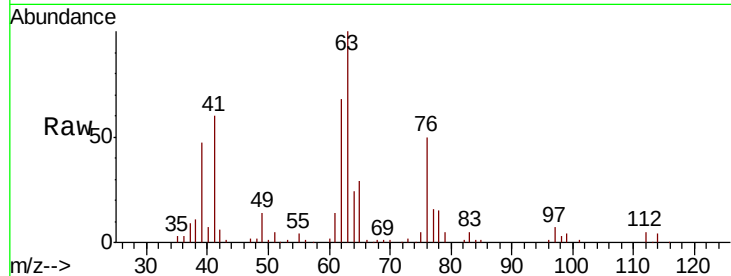
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 40808
 Ion Ratio Lower Upper
 63 100
 65 28.9 23.8 35.8

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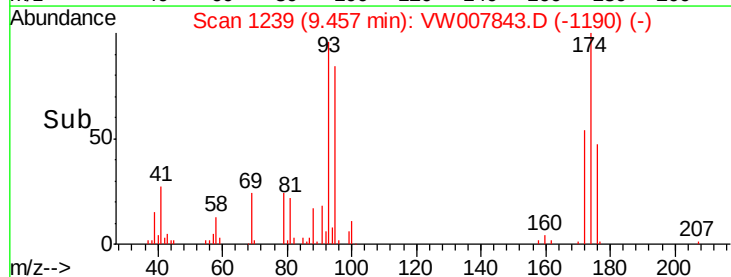
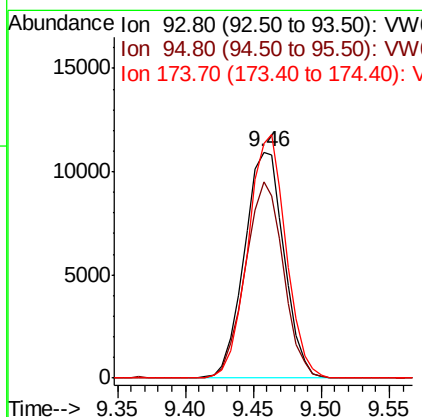
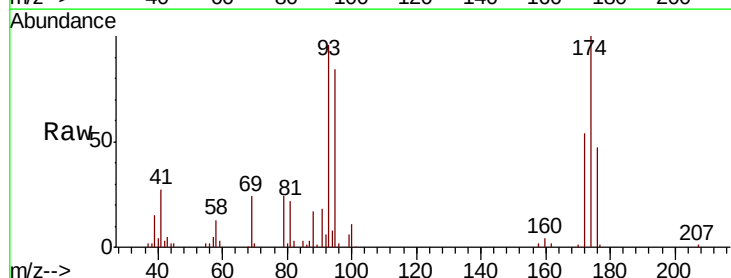
MMDadoda

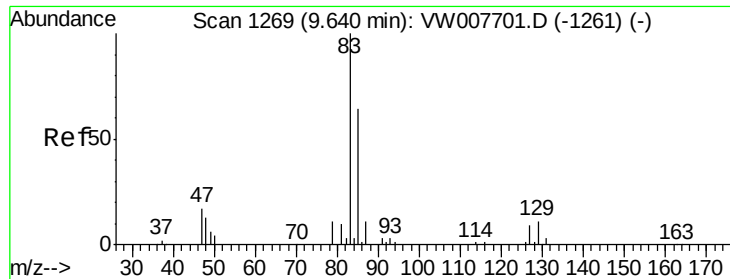
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#46
 Dibromomethane
 Concen: 48.557 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 93 Resp: 22410
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.5 101.3
 174 102.8 83.9 125.9





#47
Bromodichloromethane
Concen: 46.863 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

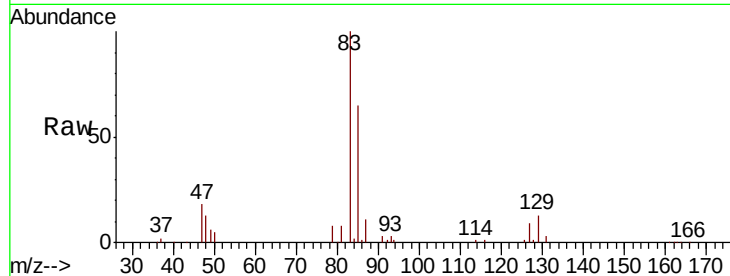
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	56860		
85	65.0		51.4	77.0
127	9.4		7.5	11.3

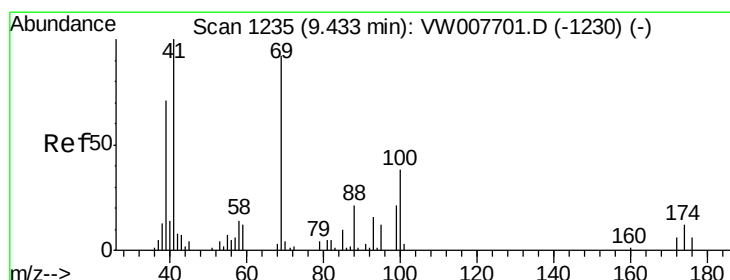
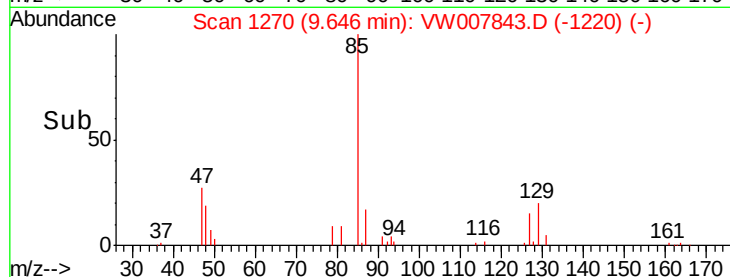
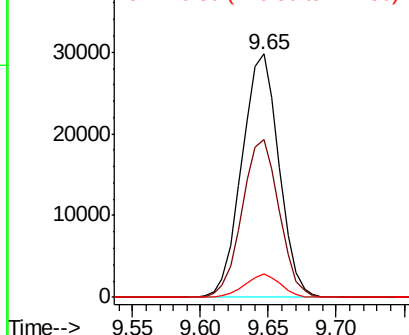
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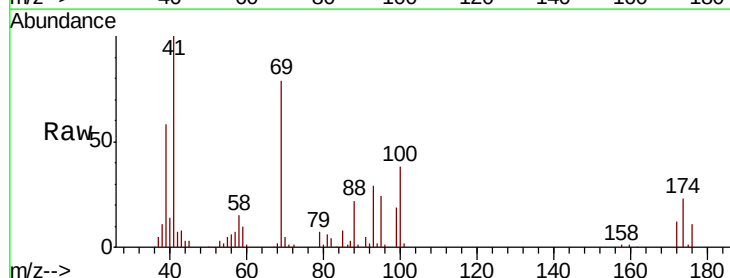


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

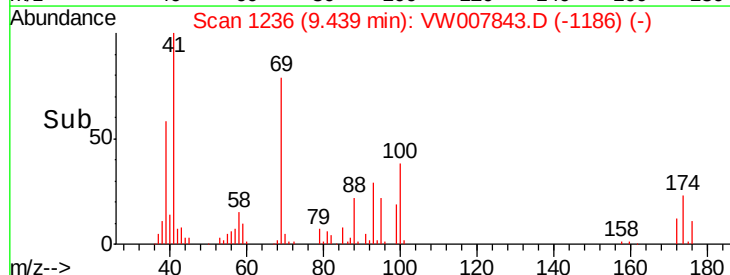
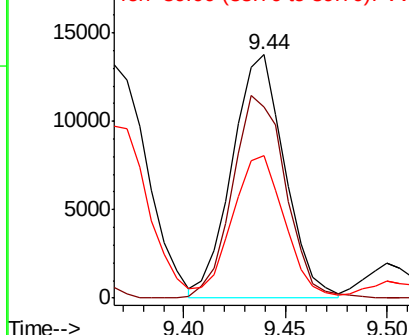


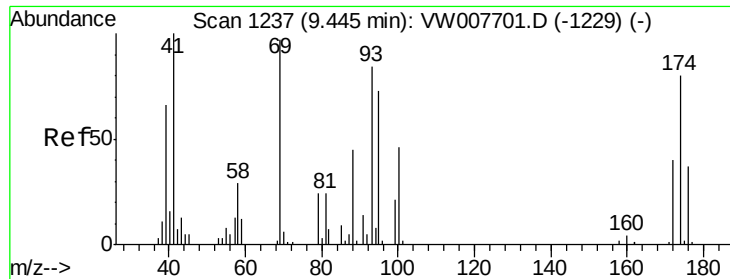
#48
Methyl methacrylate
Concen: 56.500 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	24691		
69	84.3		74.2	111.2
39	55.4		53.9	80.9



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49
 1,4-Dioxane
 Concen: 935.460 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

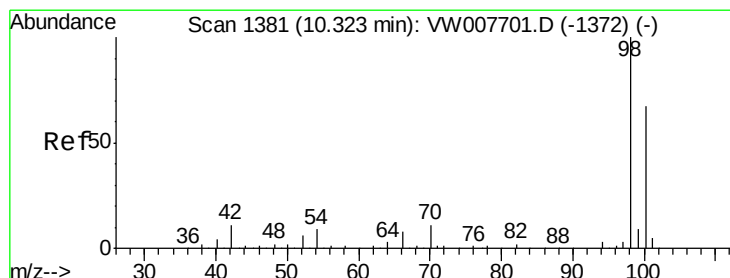
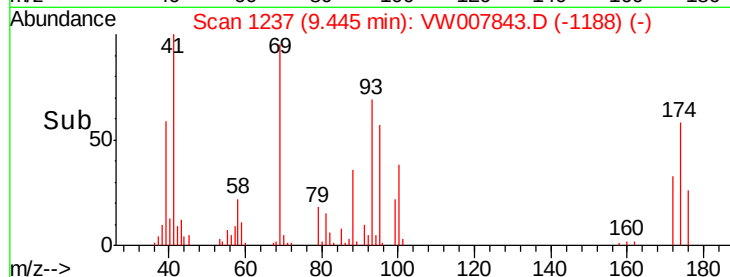
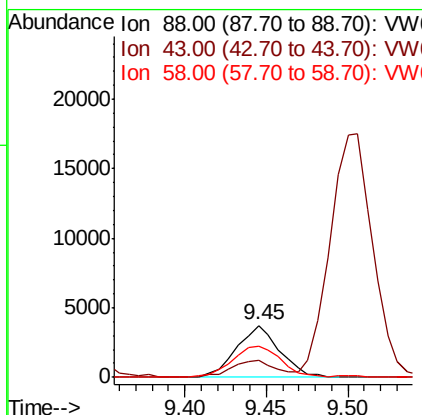
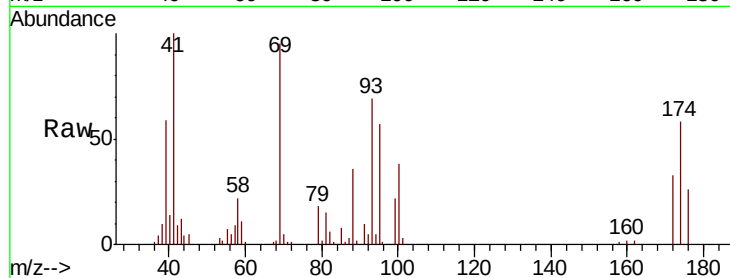
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.5	25.6	38.4
58	68.4	52.3	78.5

Manual Integrations
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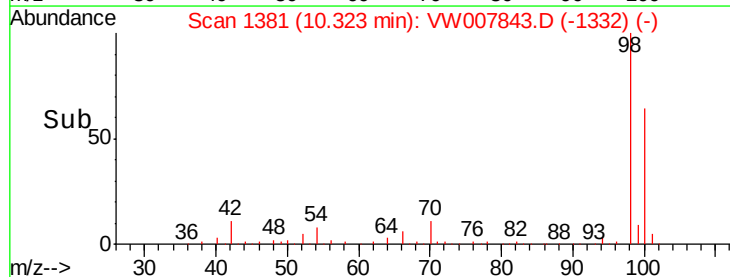
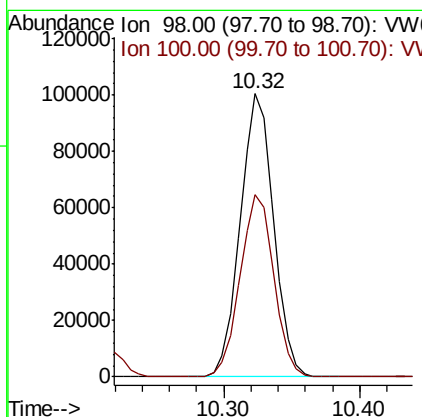
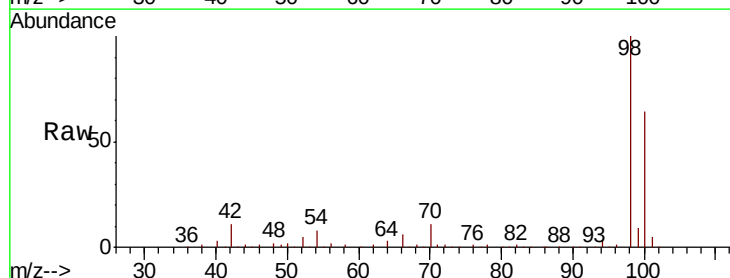
MMDadoda

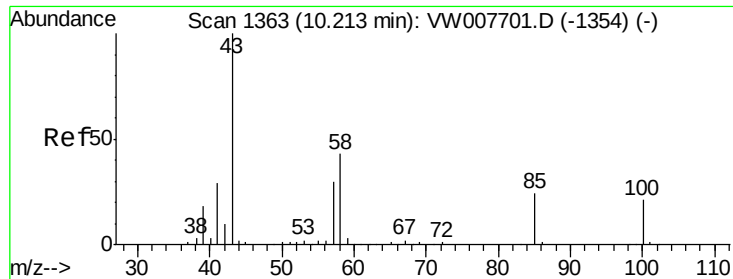
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#50
 Toluene-d8
 Concen: 56.971 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





#51
4-Methyl-2-Pentanone
Concen: 259.478 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

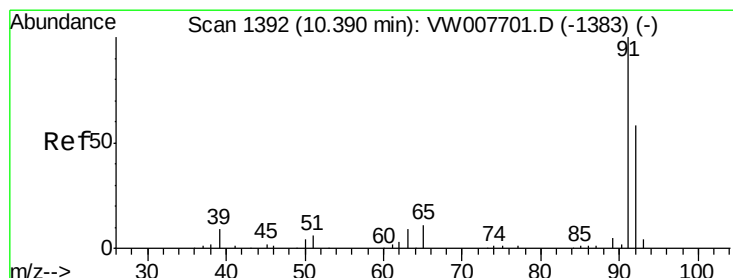
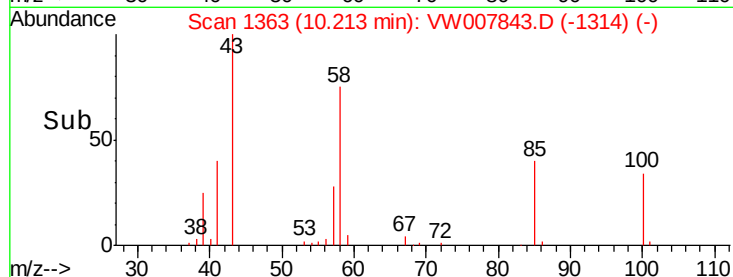
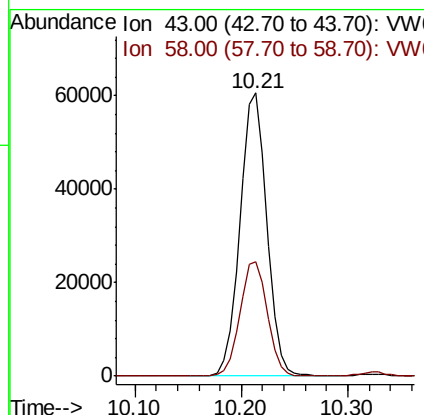
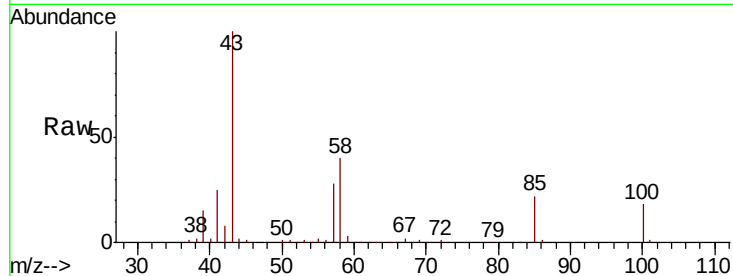
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 107361
Ion Ratio Lower Upper
43 100
58 41.4 33.2 49.8

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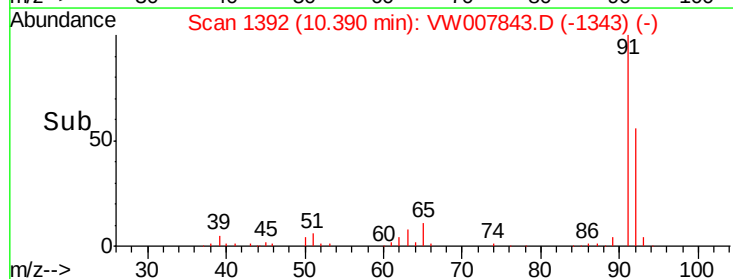
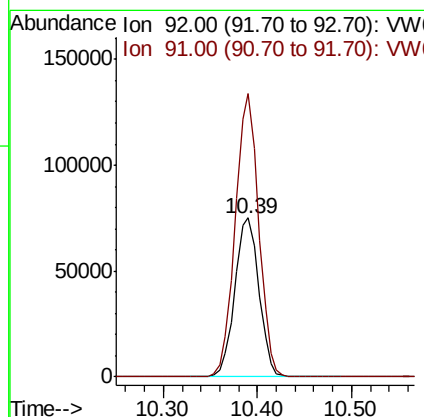
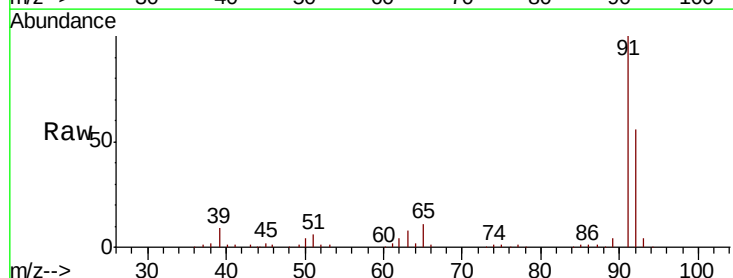
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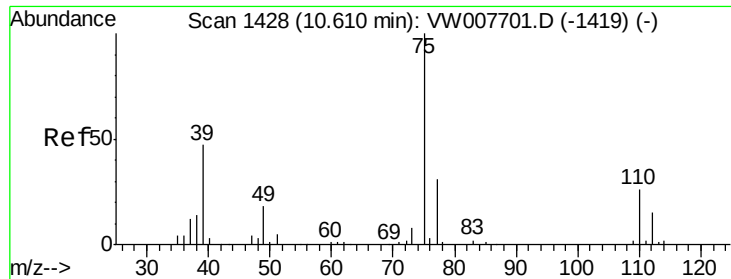
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#52
Toluene
Concen: 58.645 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 92 Resp: 132950
Ion Ratio Lower Upper
92 100
91 173.6 137.0 205.4





#53
 t-1,3-Dichloropropene
 Concen: 51.245 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

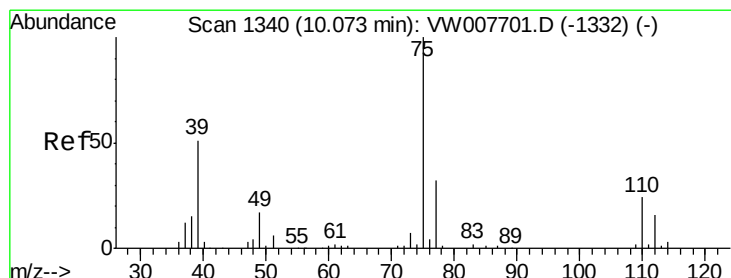
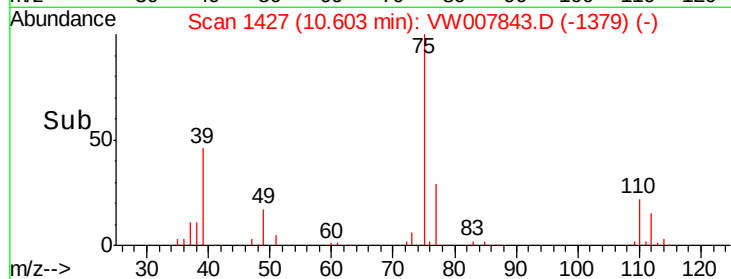
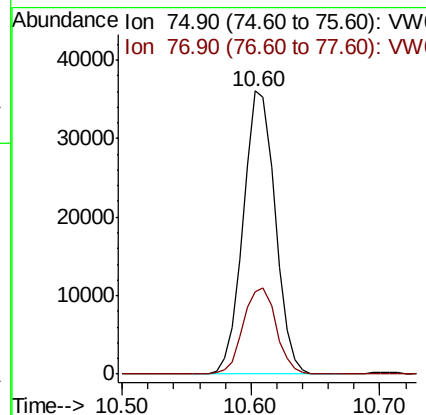
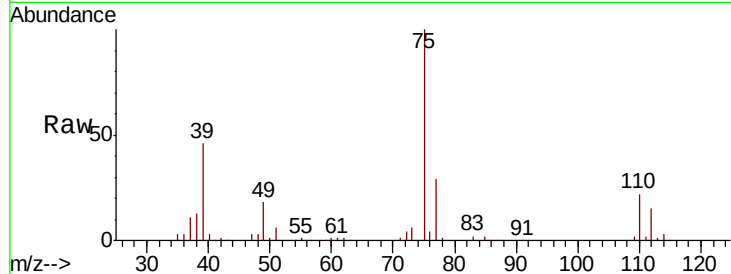
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 61845
 Ion Ratio Lower Upper
 75 100
 77 29.2 25.2 37.8

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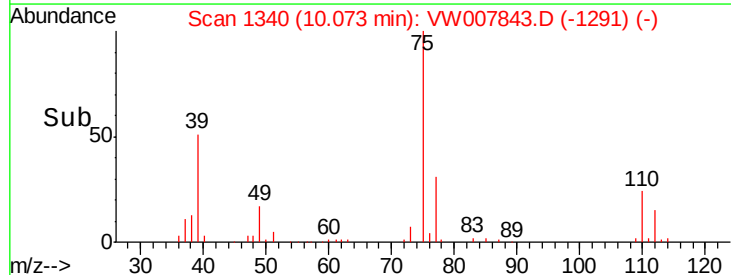
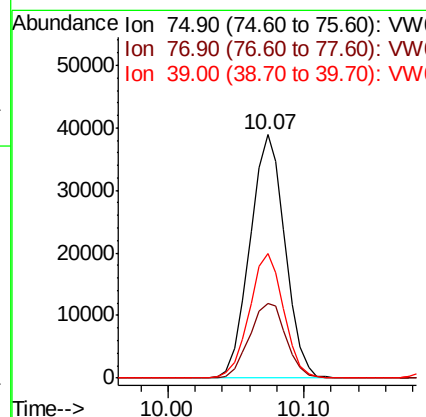
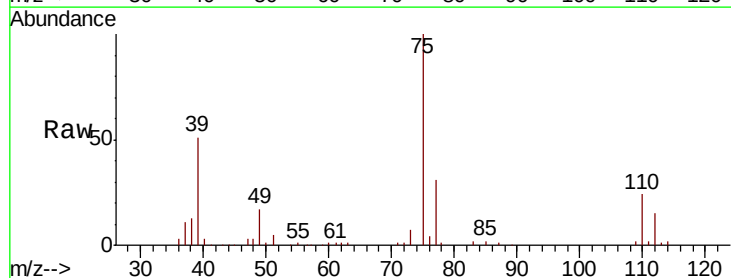
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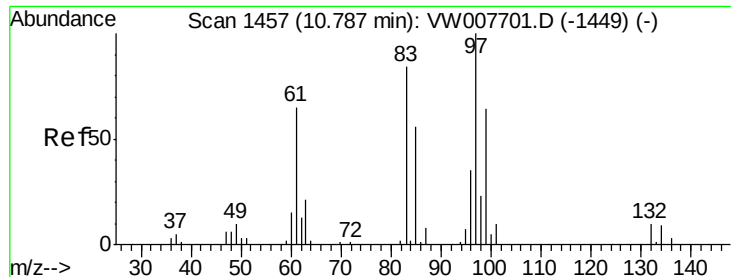
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#54
 cis-1,3-Dichloropropene
 Concen: 52.529 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 75 Resp: 70023
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3
 39 51.3 41.2 61.8





#55
1,1,2-Trichloroethane
Concen: 49.807 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

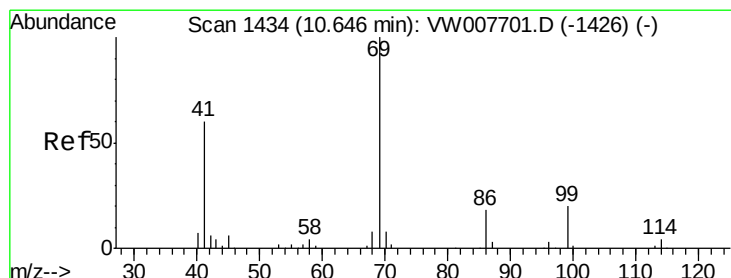
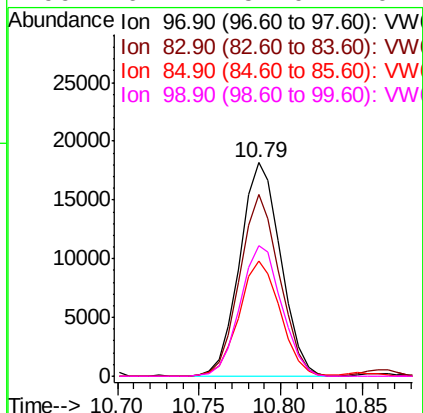
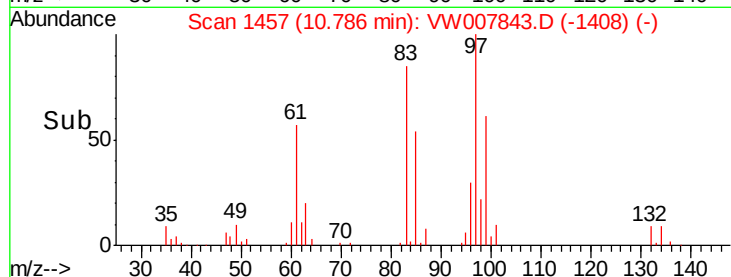
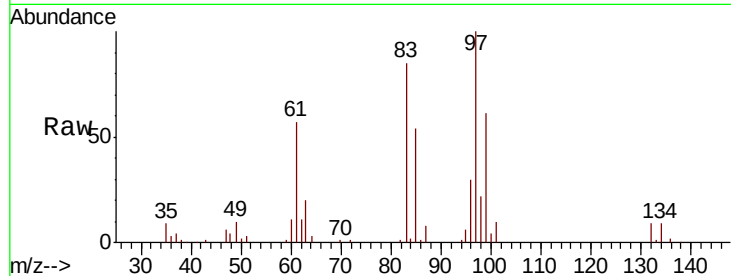
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tgt Ion:	97	Resp:	31690
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.5	101.3
85	54.2	44.8	67.2
99	61.1	51.0	76.4

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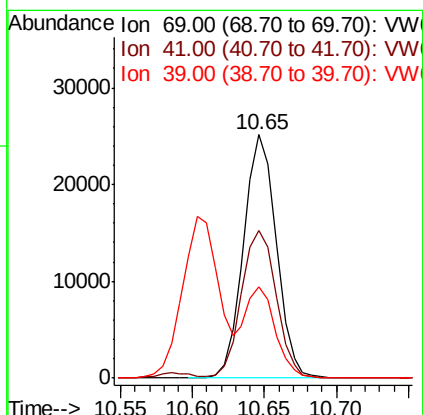
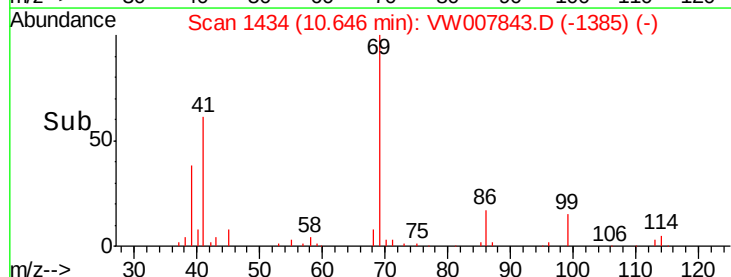
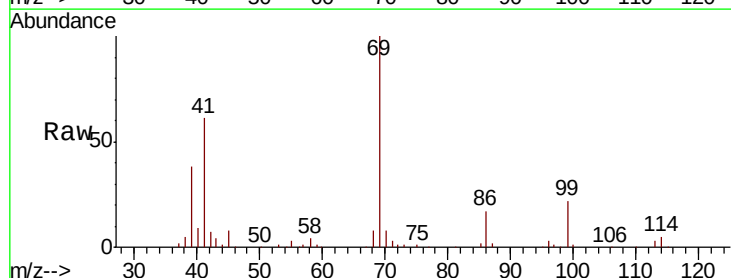
MMDadoda

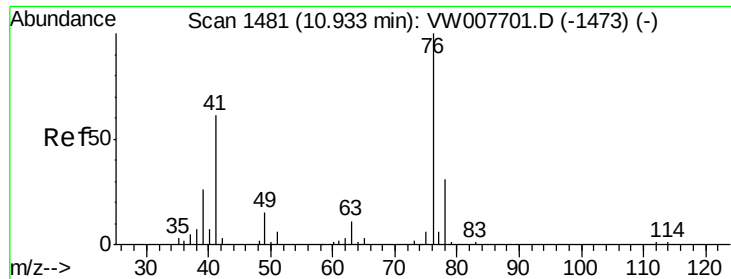
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#56
Ethyl methacrylate
Concen: 52.699 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion:	69	Resp:	39616
Ion	Ratio	Lower	Upper
69	100		
41	65.0	48.9	73.3
39	35.8	31.3	46.9





#57
 1,3-Dichloropropane
 Concen: 50.960 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

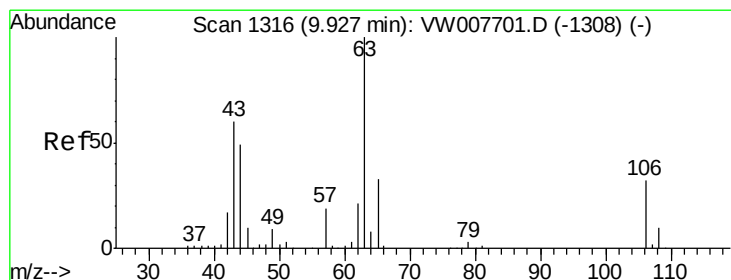
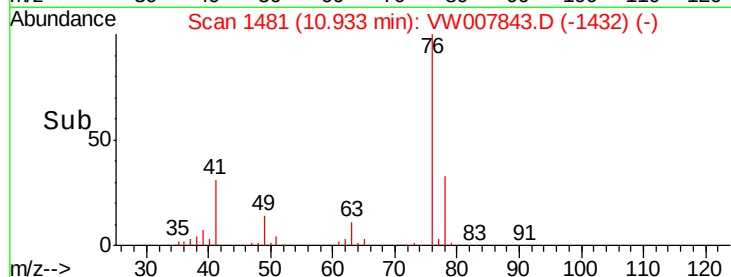
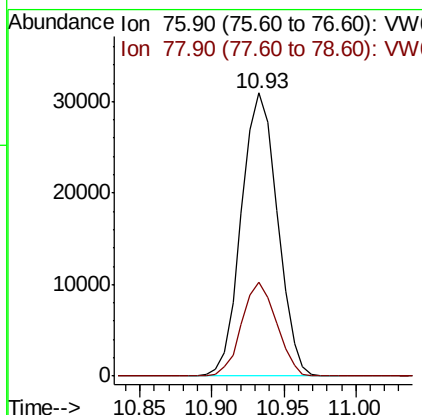
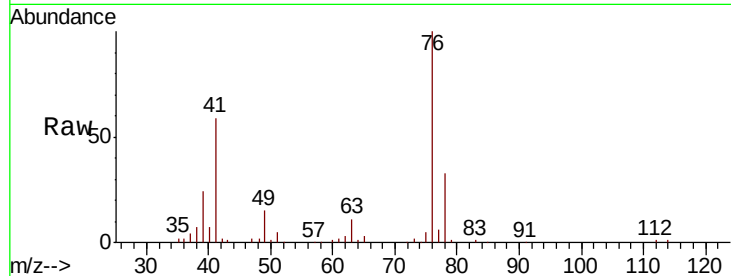
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tgt Ion: 76 Resp: 53841
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

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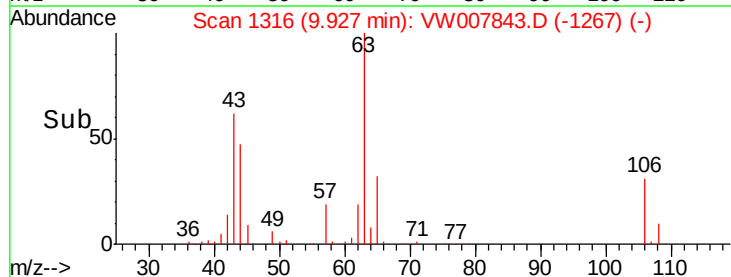
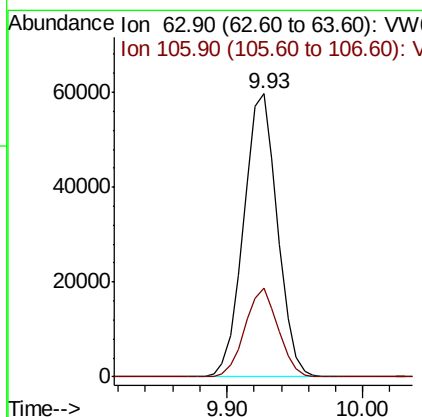
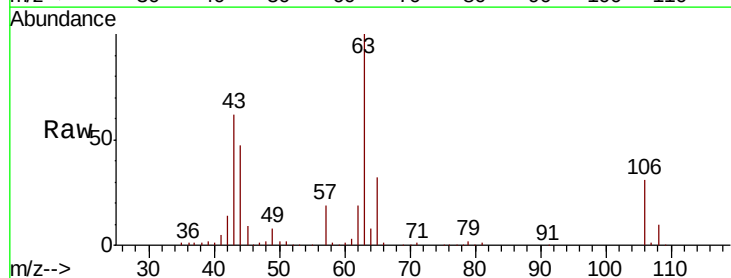
MMDadoda

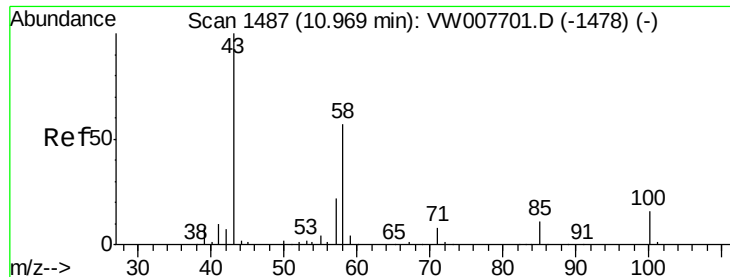
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#58
 2-Chloroethyl Vinyl ether
 Concen: 302.079 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 63 Resp: 103680
 Ion Ratio Lower Upper
 63 100
 106 30.9 25.9 38.9





#59
2-Hexanone
Concen: 261.421 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

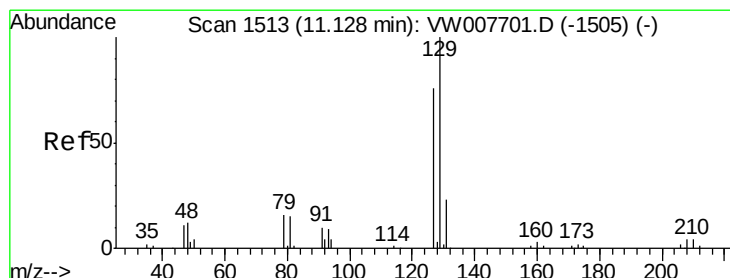
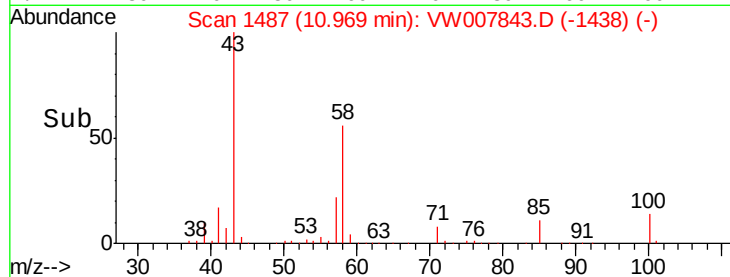
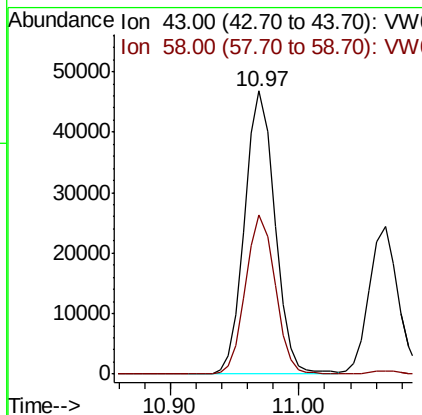
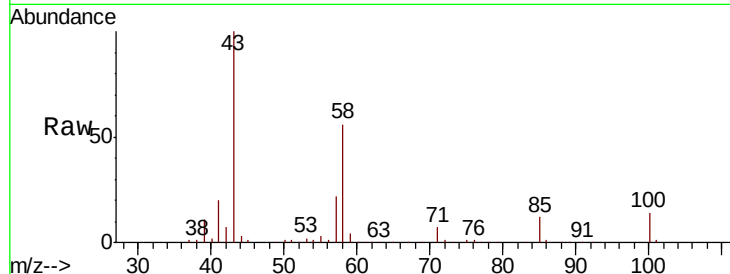
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 76069
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.1

Manual Integrations
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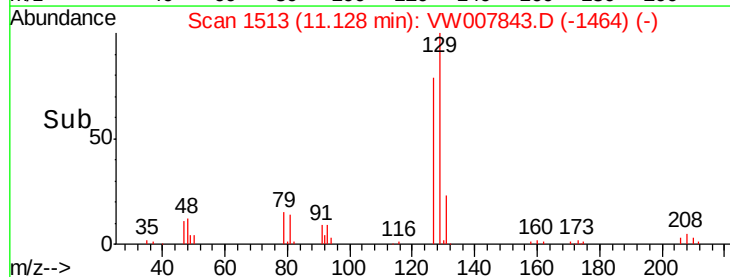
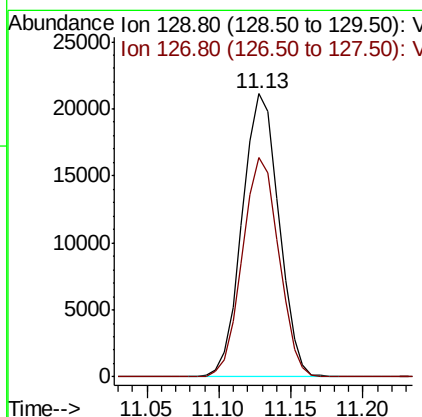
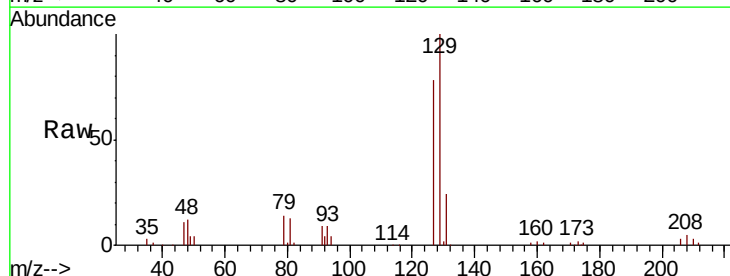
MMDadoda

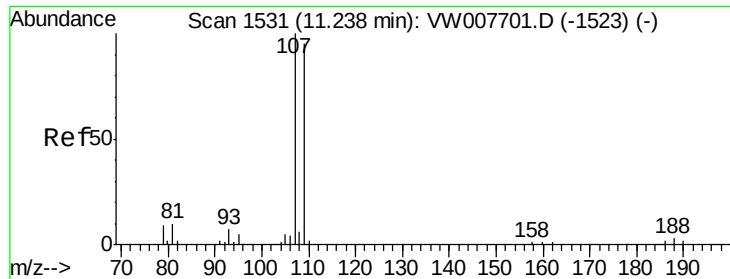
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#60
Dibromochloromethane
Concen: 44.260 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 129 Resp: 37286
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9





#61
1,2-Dibromoethane
Concen: 48.739 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

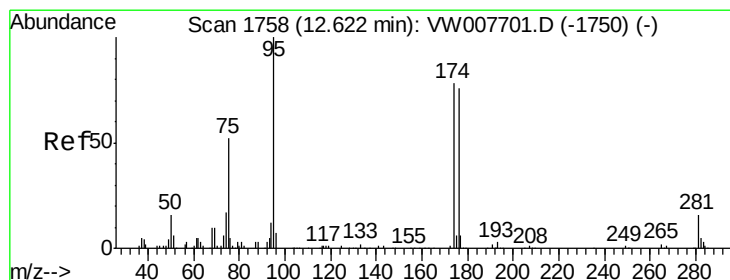
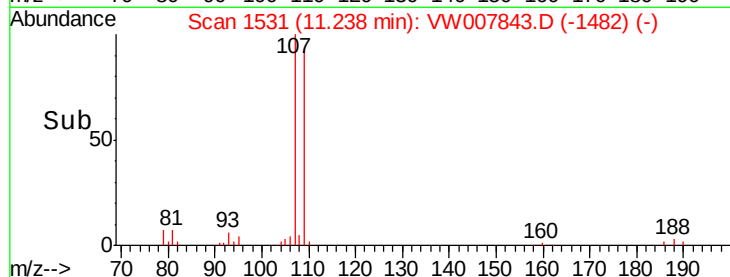
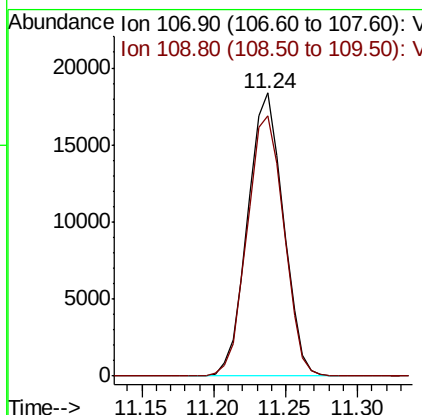
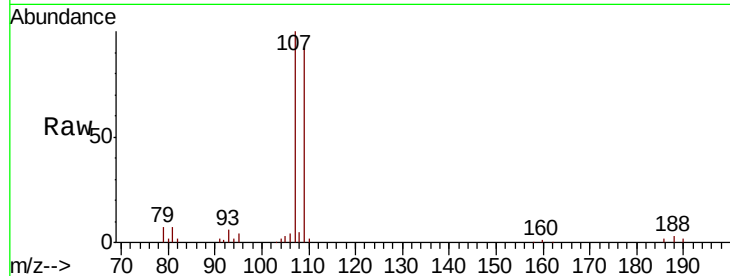
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 31403
Ion Ratio Lower Upper
107 100
109 94.6 75.4 113.0

Manual Integrations
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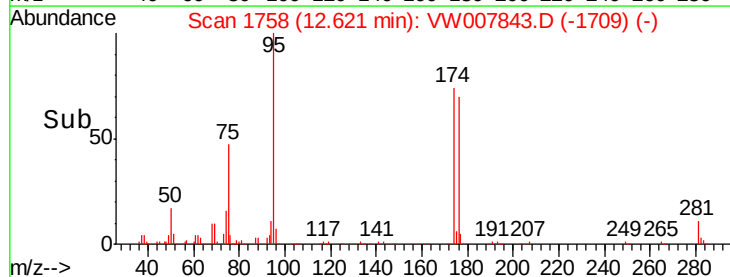
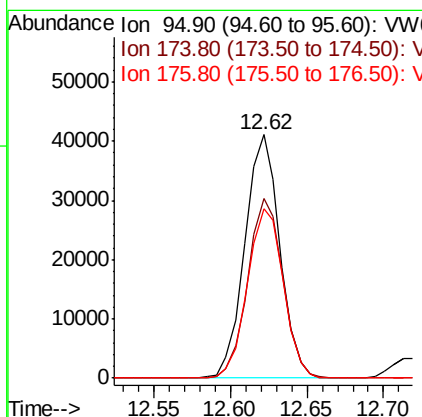
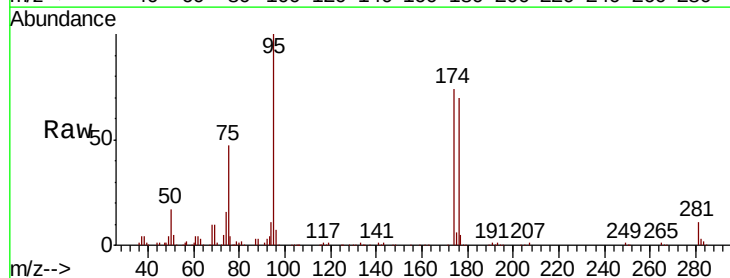
MMDadoda

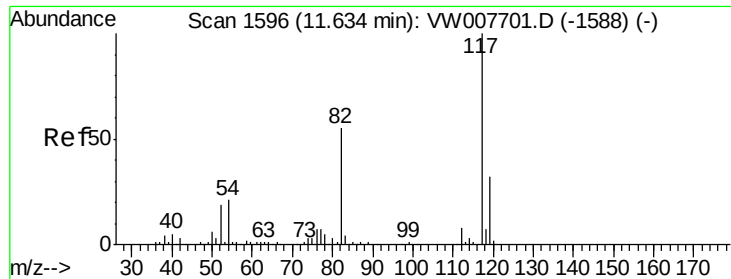
12/24/2018 3:18:27 PM



#62
4-Bromofluorobenzene
Concen: 55.739 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 95 Resp: 64969
Ion Ratio Lower Upper
95 100
174 74.3 0.0 152.2
176 71.9 0.0 146.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

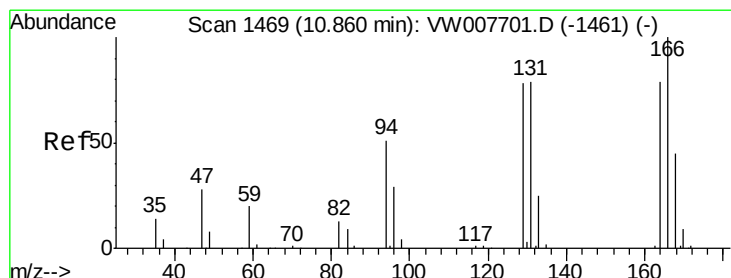
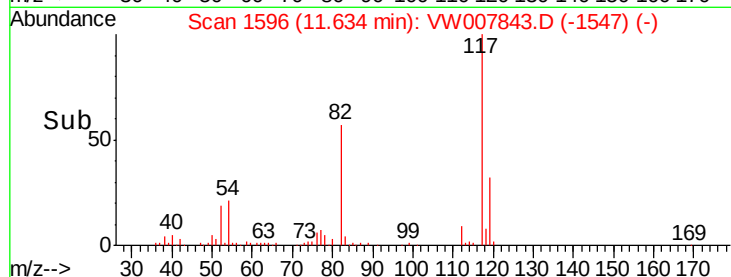
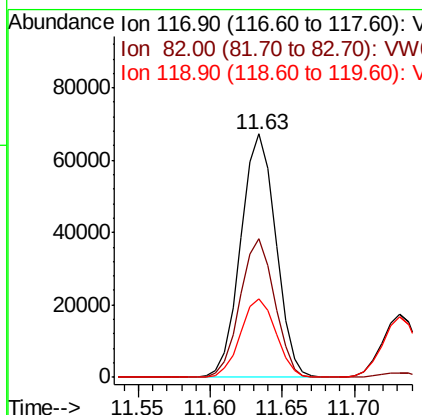
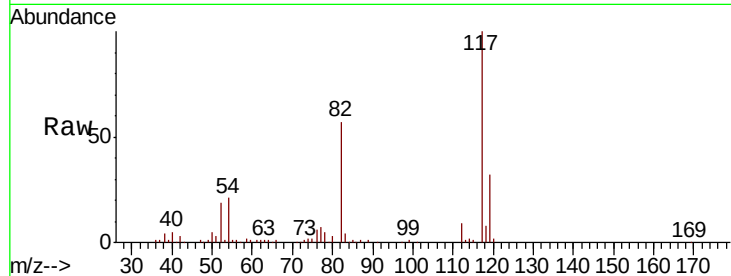
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	113373		
82	57.1	44.3	66.5	
119	32.4	25.7	38.5	

Manual Integrations
APPROVED

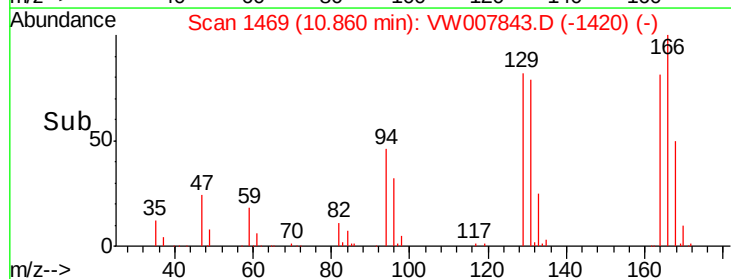
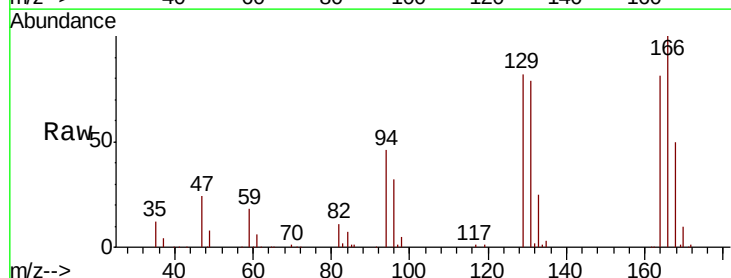
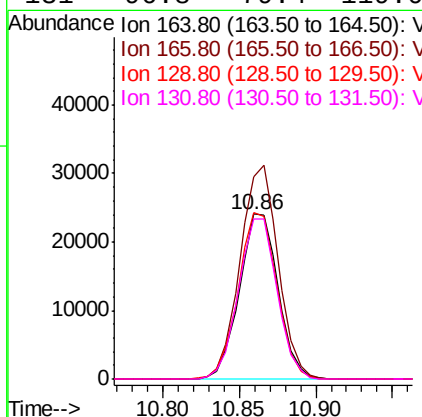
MMDadoda

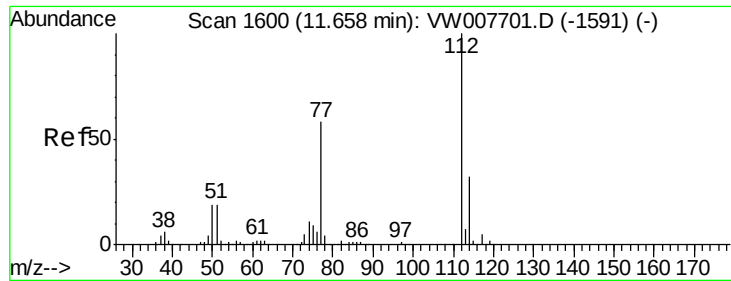
12/24/2018 3:18:27 PM



#64
Tetrachloroethene
Concen: 52.483 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42135		
166	122.7	101.0	151.6	
129	101.1	78.7	118.1	
131	96.8	79.4	119.0	





#65

Chlorobenzene

Concen: 53.173 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 130481

Ion Ratio Lower Upper

112 100

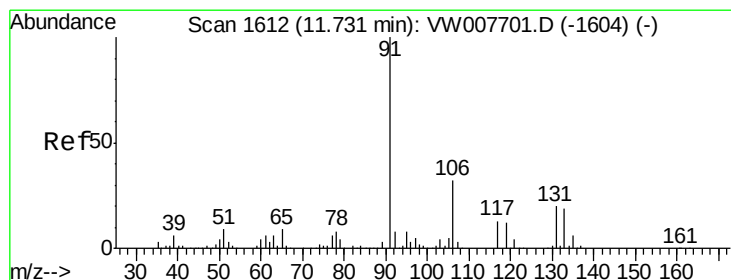
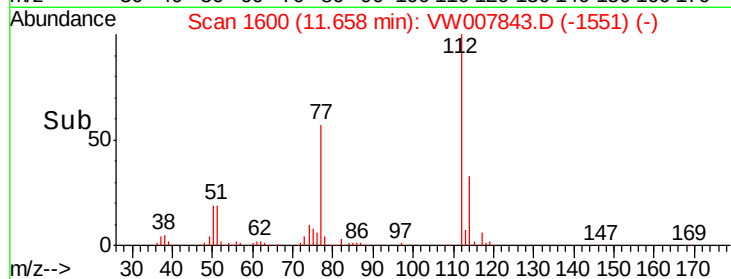
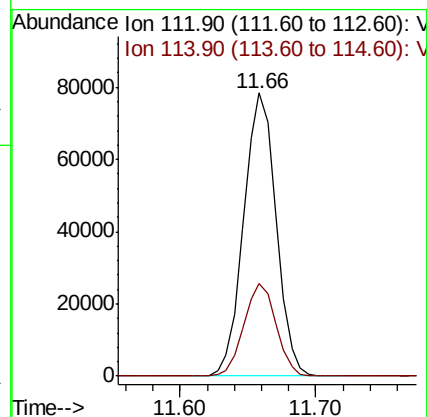
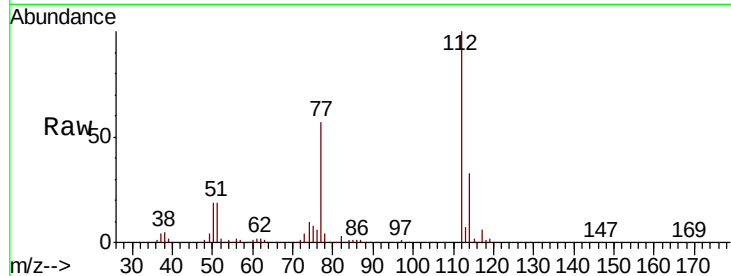
114 32.7 25.2 37.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.996 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

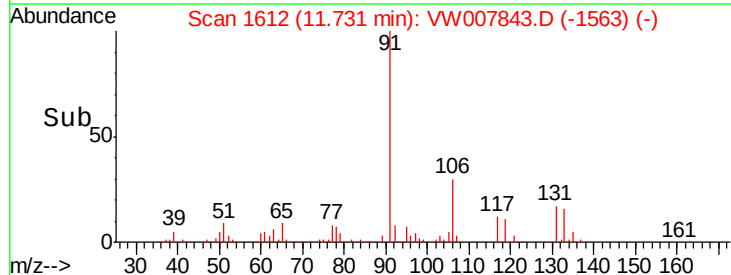
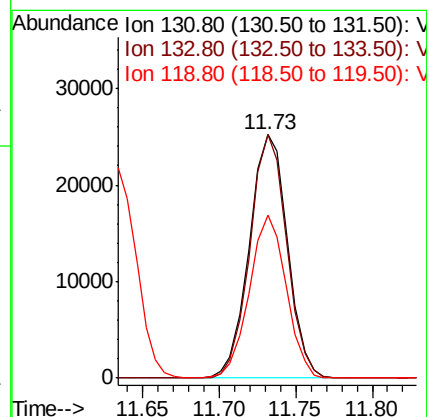
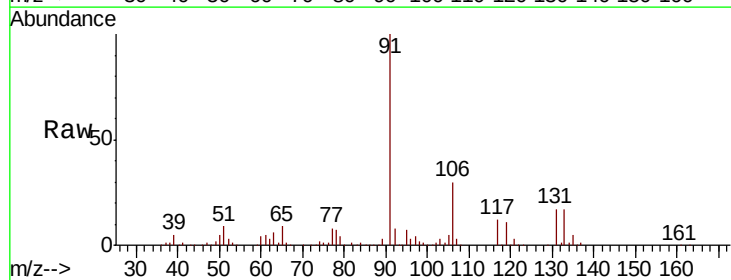
Tgt Ion:131 Resp: 43837

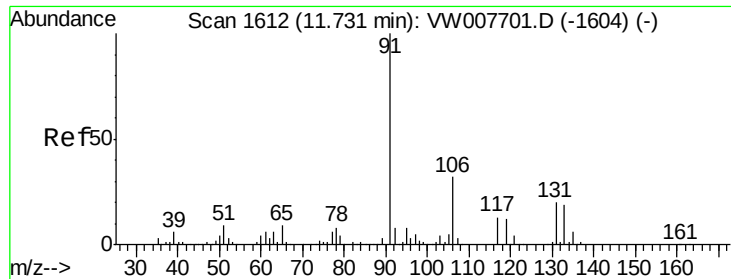
Ion Ratio Lower Upper

131 100

133 96.0 47.5 142.5

119 64.6 30.2 90.6





#67
Ethyl Benzene
Concen: 56.684 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

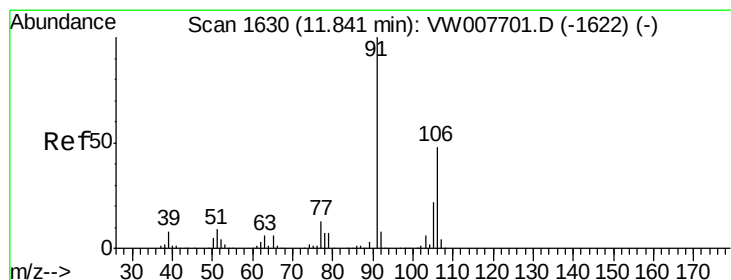
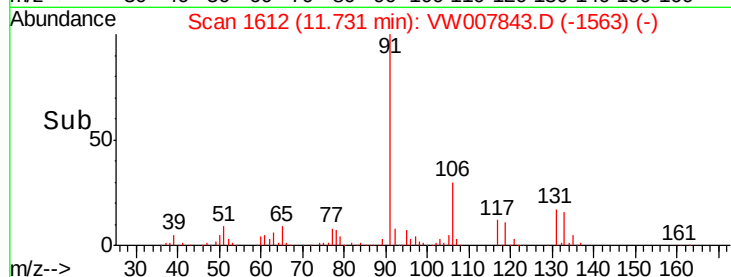
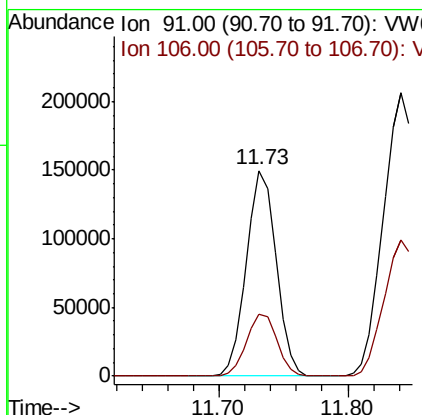
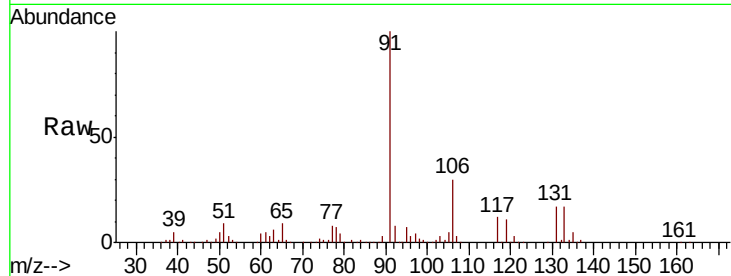
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 238687
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8

Manual Integrations
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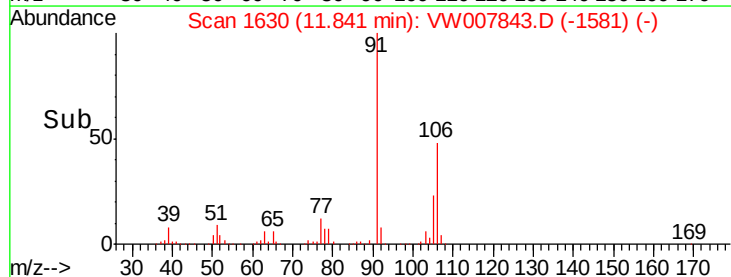
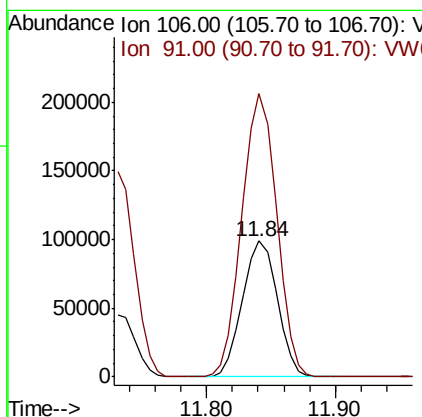
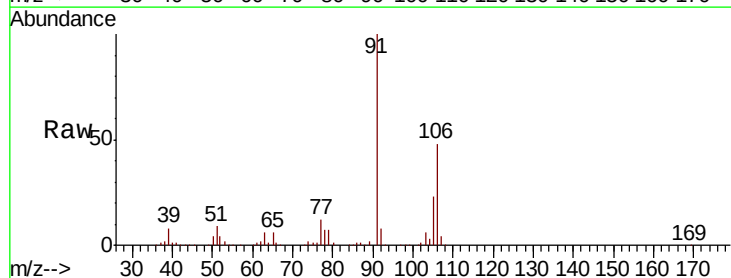
MMDadoda

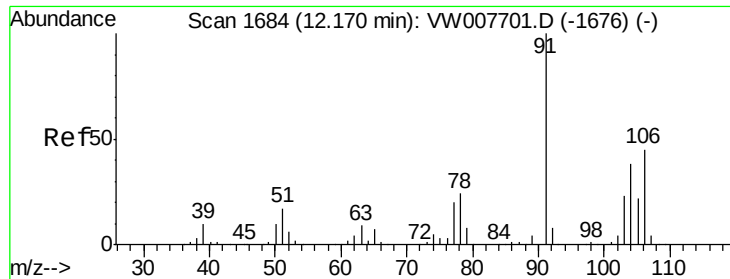
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#68
m/p-Xylenes
Concen: 114.169 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 106 Resp: 186489
Ion Ratio Lower Upper
106 100
91 207.3 165.2 247.8





#69
o-Xylene
Concen: 56.306 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

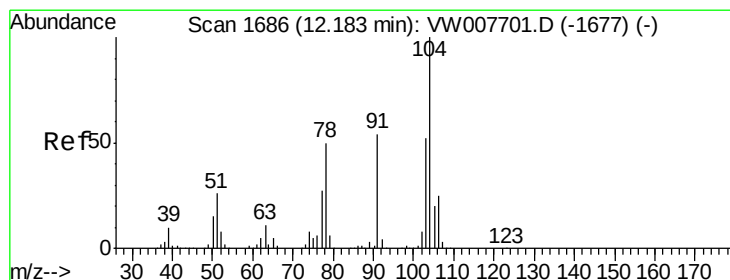
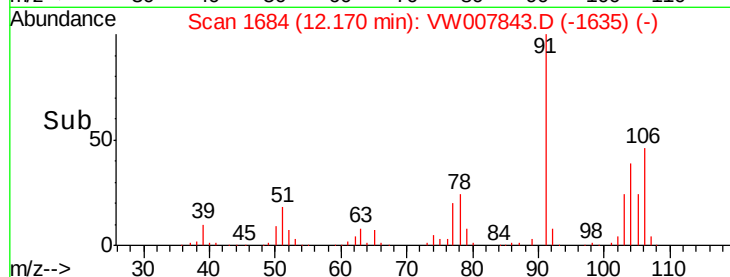
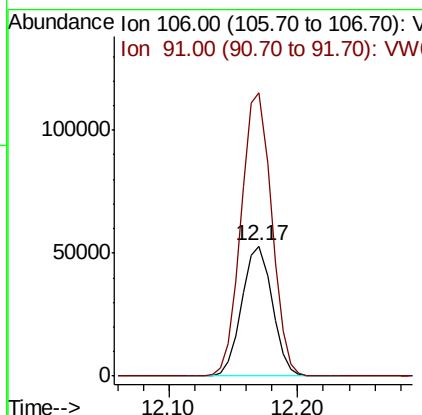
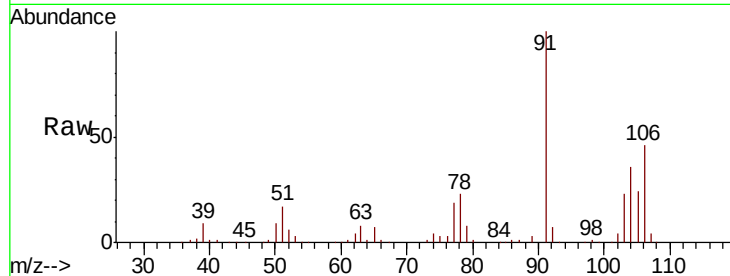
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tgt Ion:106 Resp: 86212
Ion Ratio Lower Upper
106 100
91 219.6 110.5 331.4

Manual Integrations
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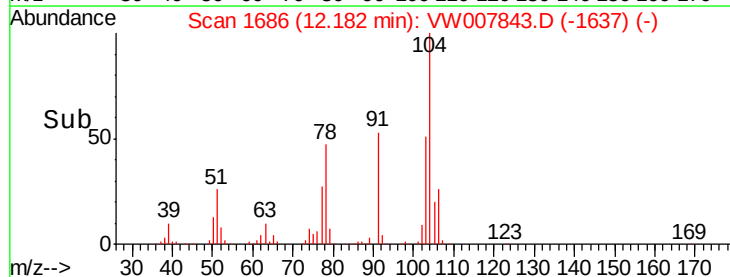
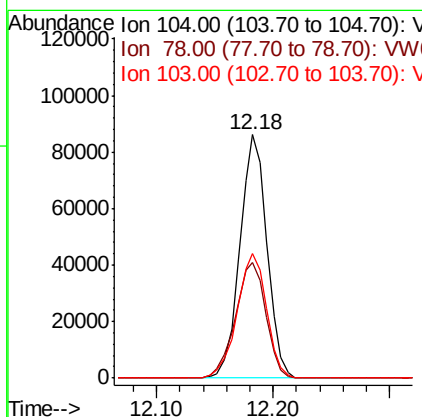
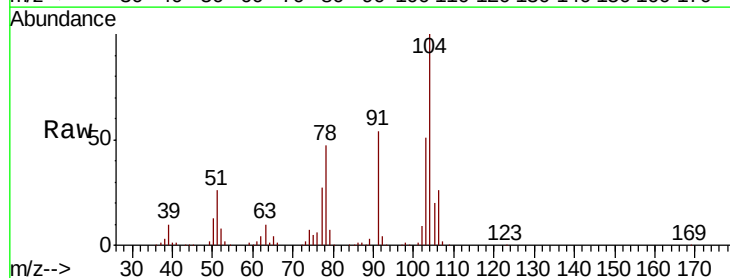
MMDadoda

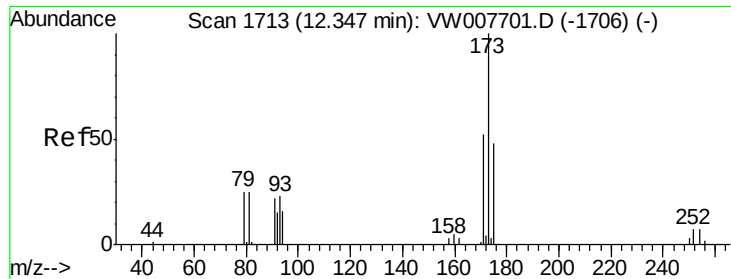
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#70
Styrene
Concen: 55.259 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion:104 Resp: 139082
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.0
103 55.7 44.5 66.7





#71
Bromoform
Concen: 43.241 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

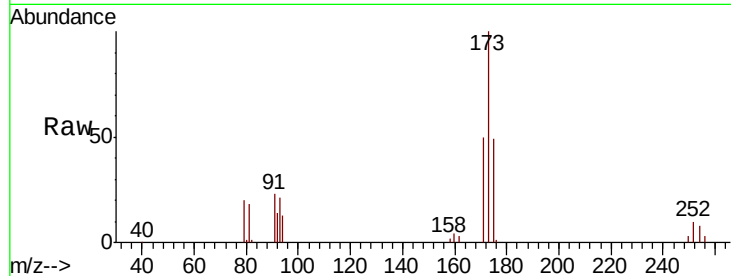
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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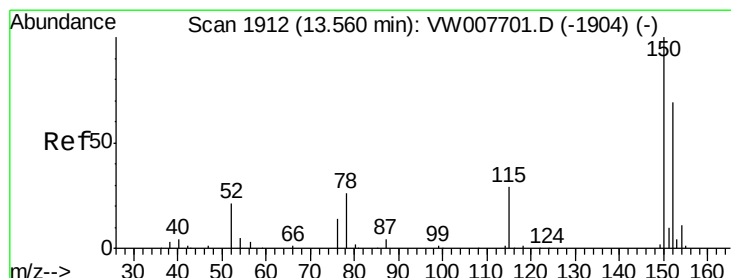
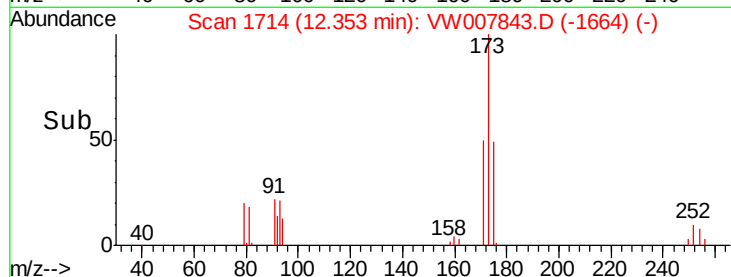
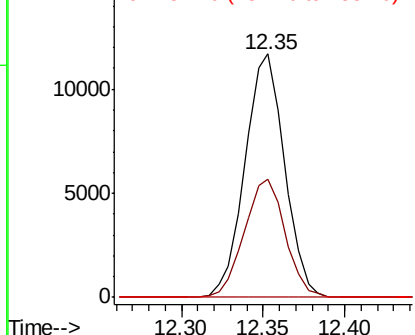


Abundance

Ion 172.70 (172.40 to 173.40): V

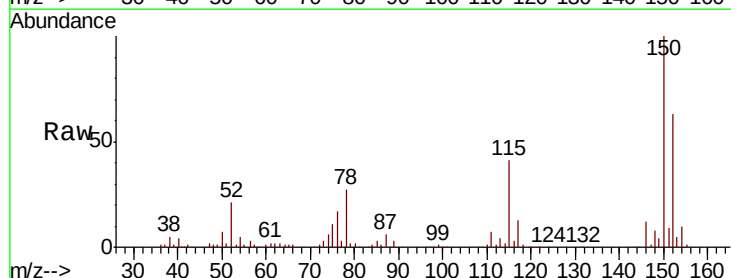
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.8	95.4
150	174.8	0.0	350.8

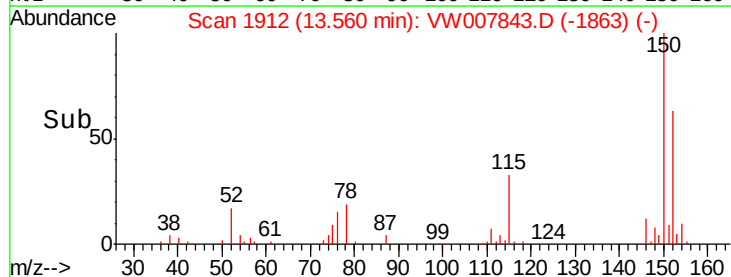
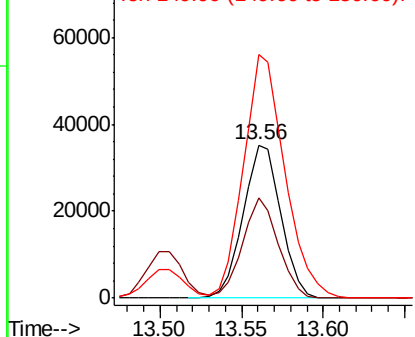


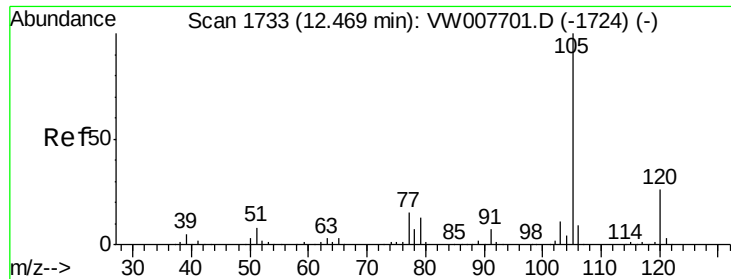
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.690 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 247202

Ion Ratio Lower Upper

105 100

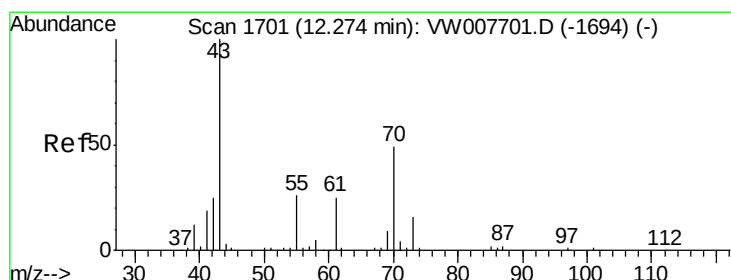
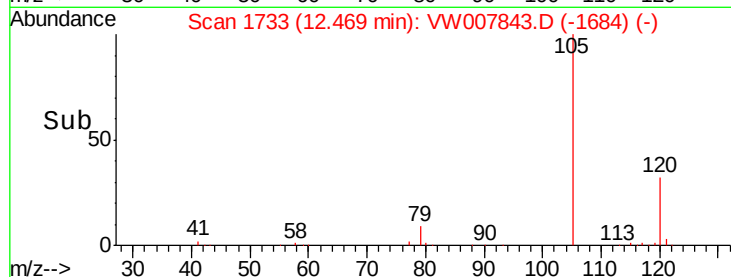
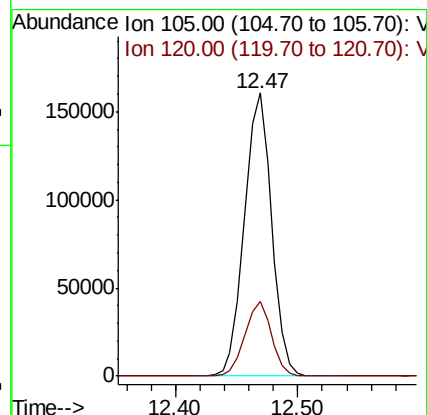
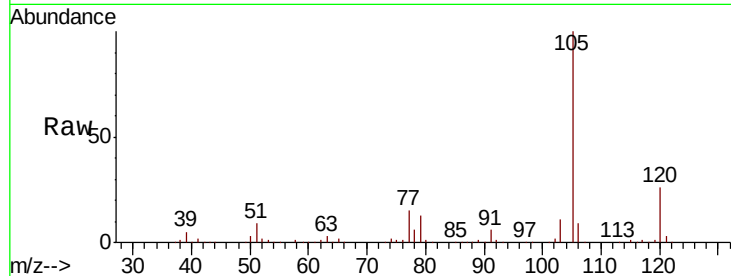
120 25.8 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 57.514 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion: 43 Resp: 42688

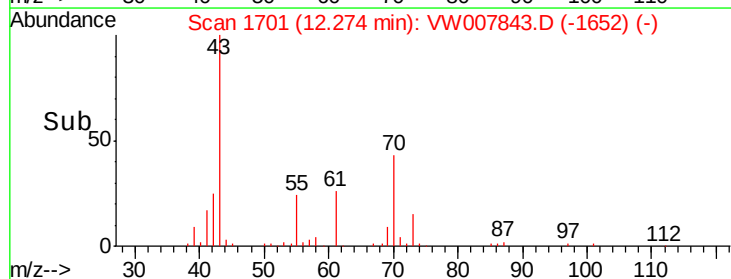
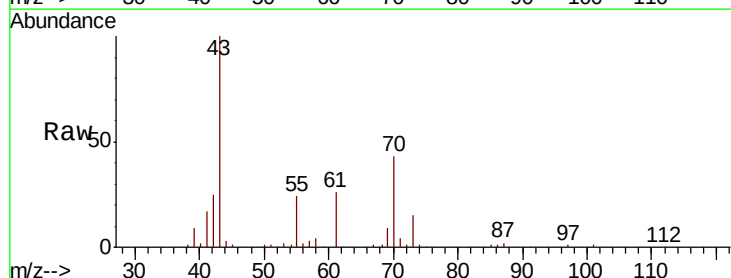
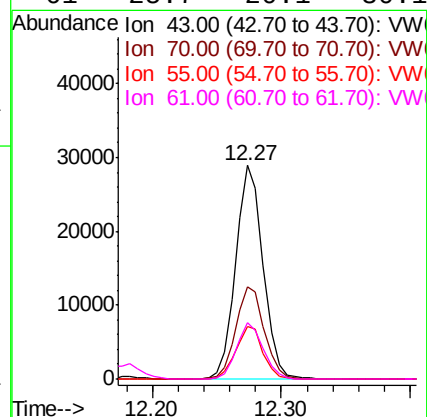
Ion Ratio Lower Upper

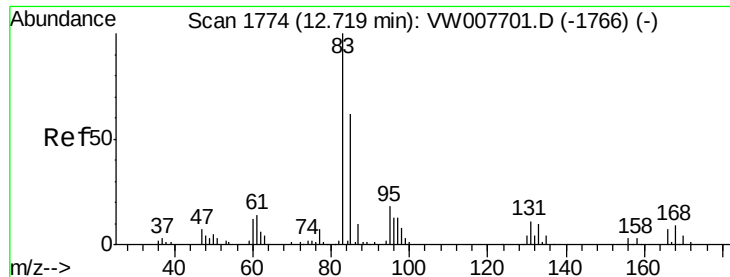
43 100

70 44.8 37.6 56.4

55 24.5 21.7 32.5

61 25.7 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.753 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 33892

Ion Ratio Lower Upper

83 100

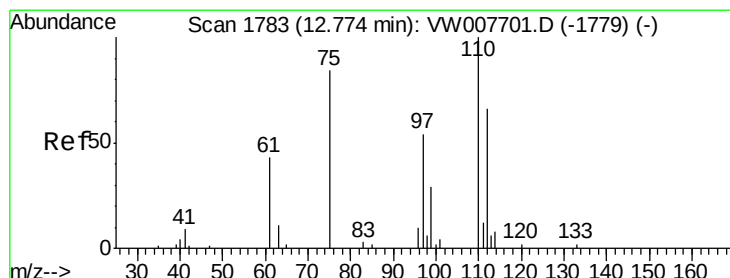
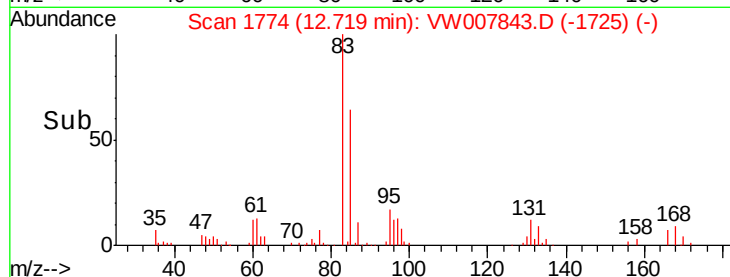
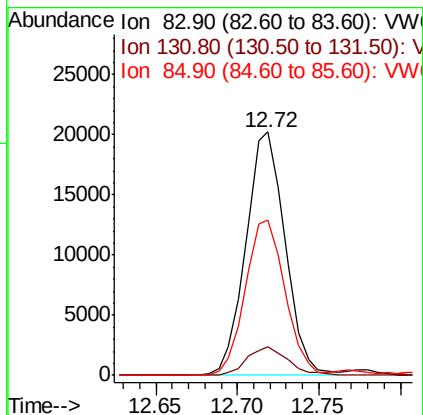
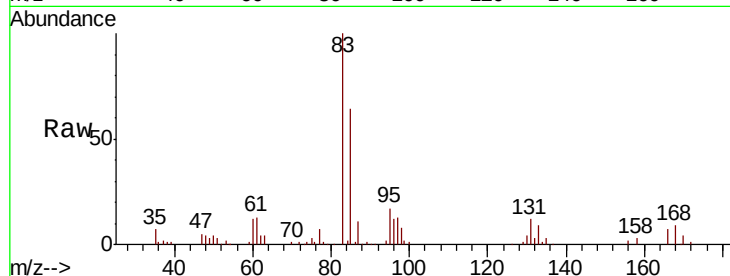
131 12.4 6.3 18.8

85 64.8 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 63.294 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007843.D

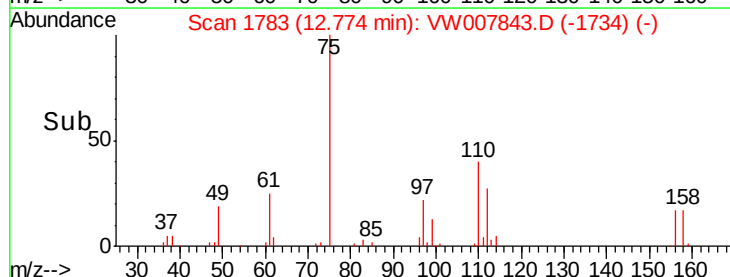
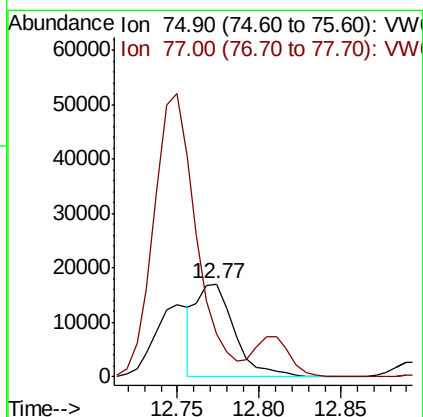
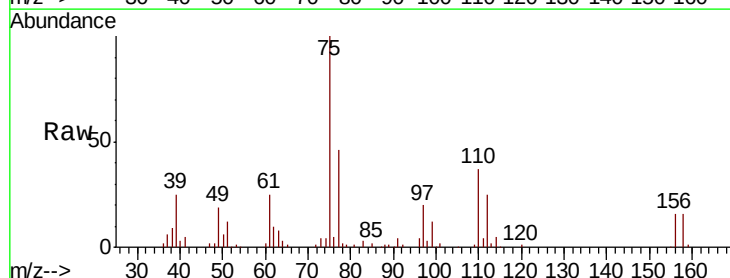
Acq: 22 Dec 2018 15:09

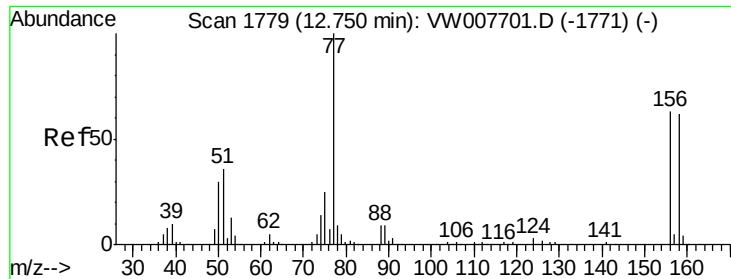
Tgt Ion: 75 Resp: 27732

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.142 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

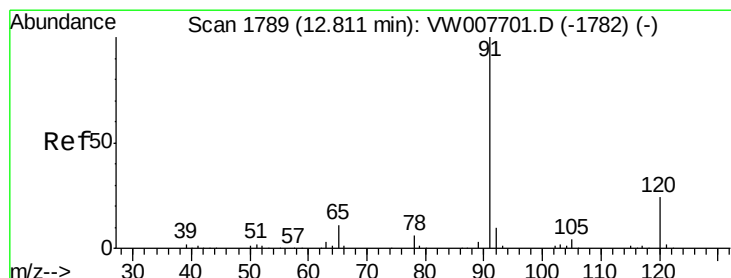
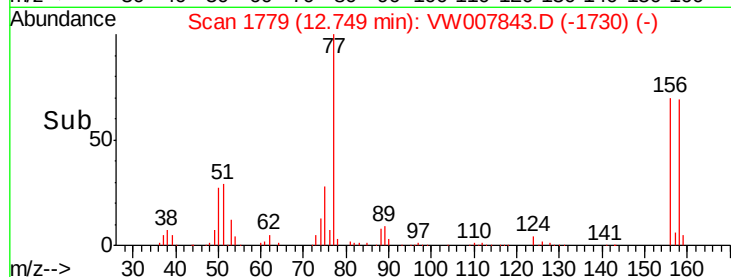
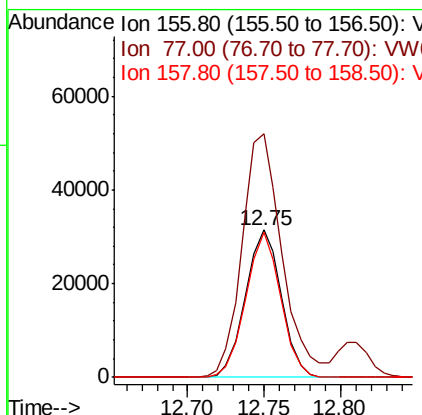
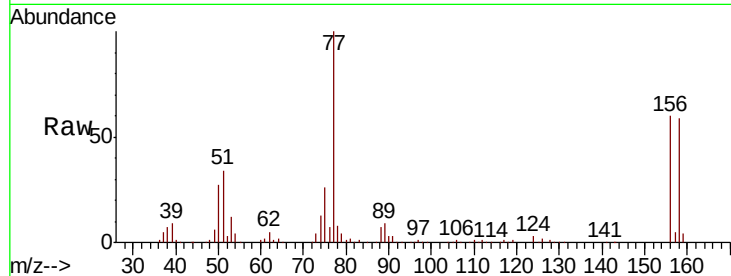
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	182.8	87.4	262.1
158	95.7	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 57.563 ug/l

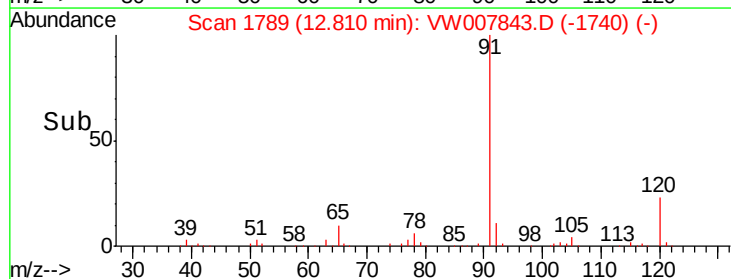
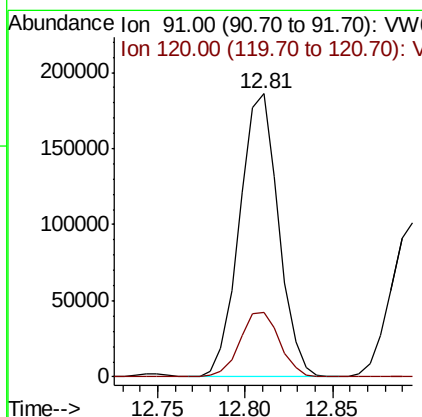
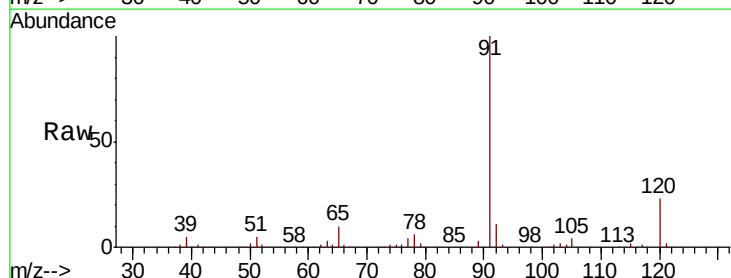
RT: 12.81 min Scan# 1789

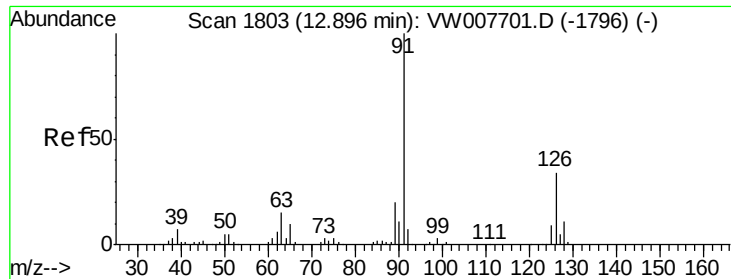
Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.7





#79
 2-Chlorotoluene
 Concen: 56.312 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

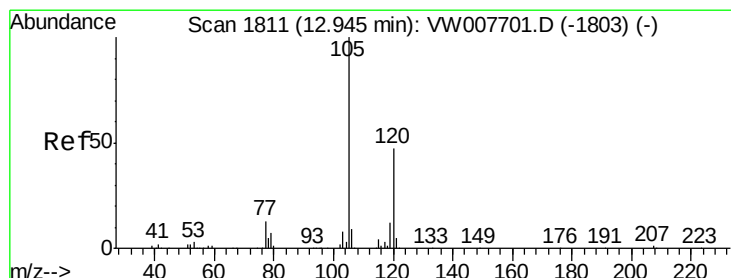
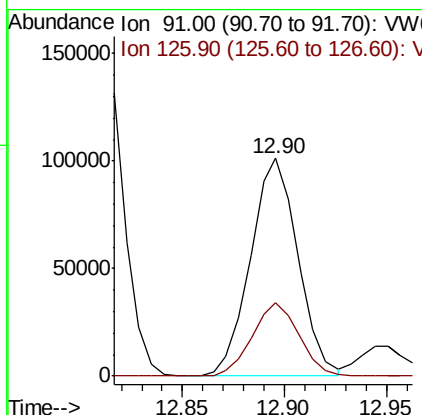
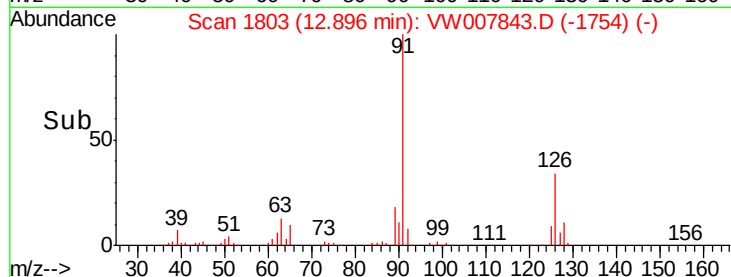
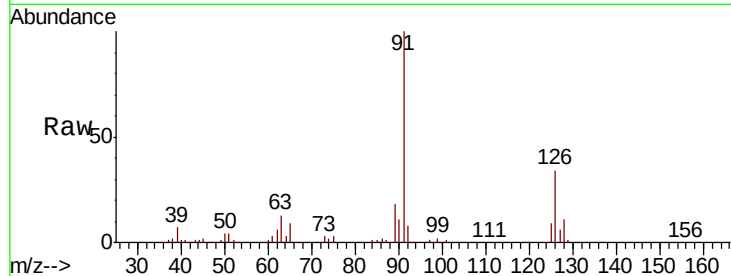
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 163628
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.0 51.0

Manual Integrations
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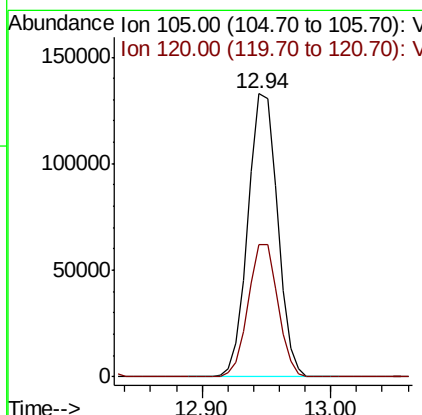
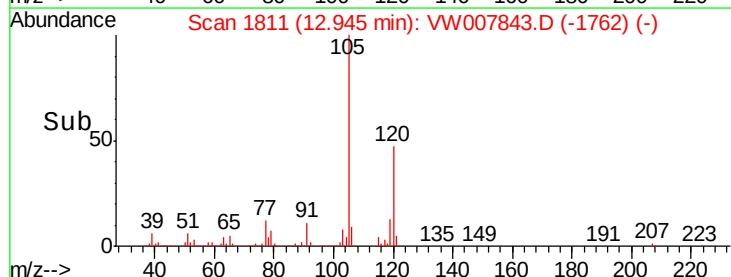
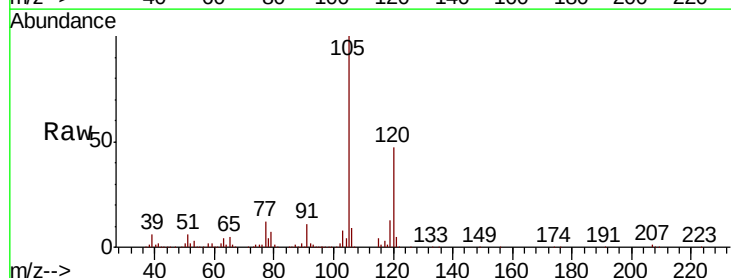
MMDadoda

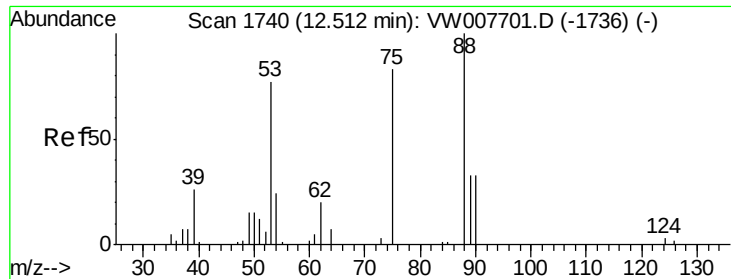
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#80
 1,3,5-Trimethylbenzene
 Concen: 56.796 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 105 Resp: 209925
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 53.600 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

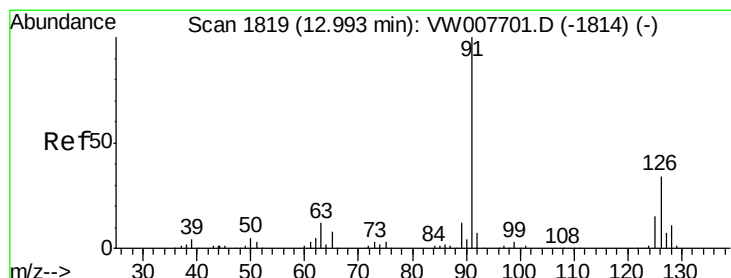
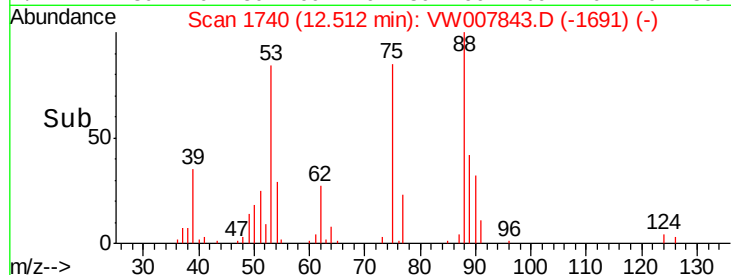
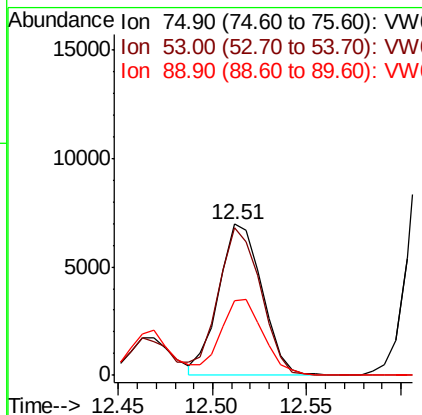
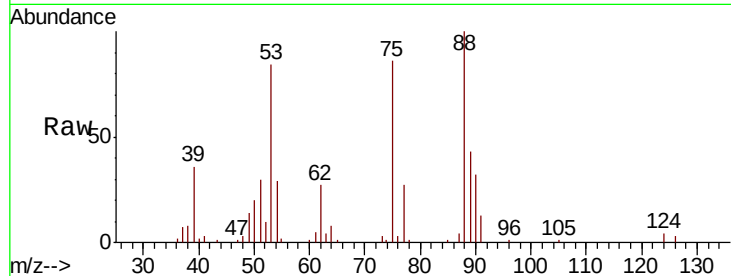
VSTDCCC050

Tgt Ion:	75	Resp:	11188
Ion	Ratio	Lower	Upper
75	100		
53	95.3	80.2	120.2
89	50.4	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 55.811 ug/l

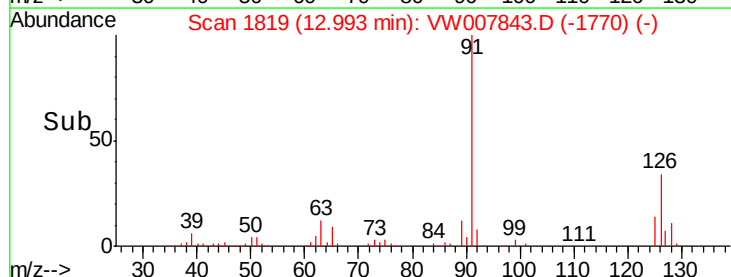
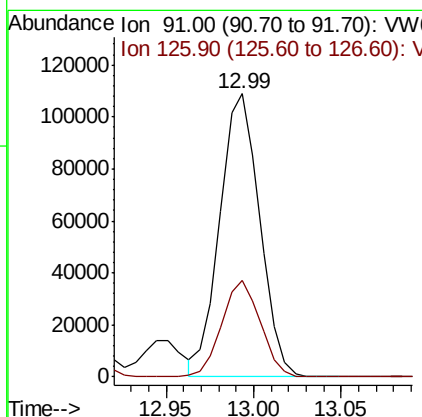
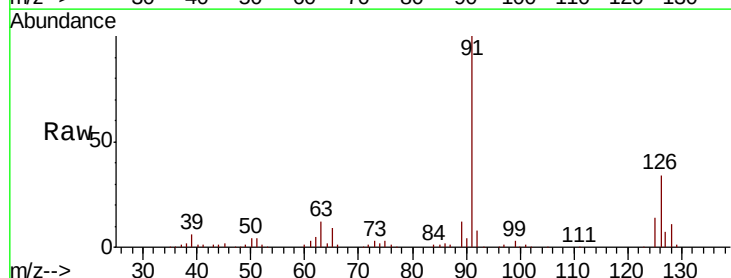
RT: 12.99 min Scan# 1819

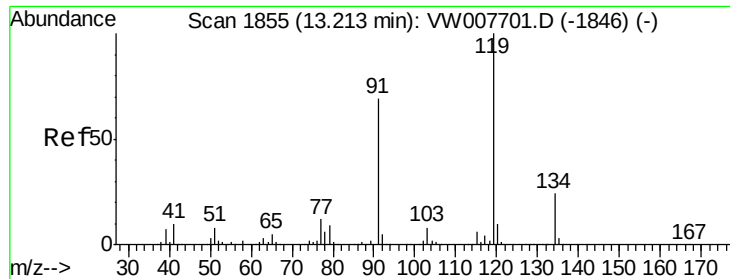
Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion:	91	Resp:	172676
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.5	49.5





#83
 tert-Butylbenzene
 Concen: 57.127 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

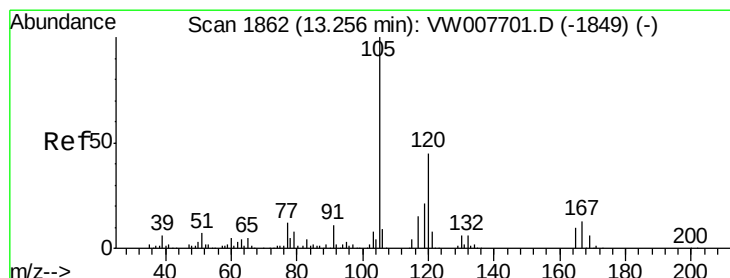
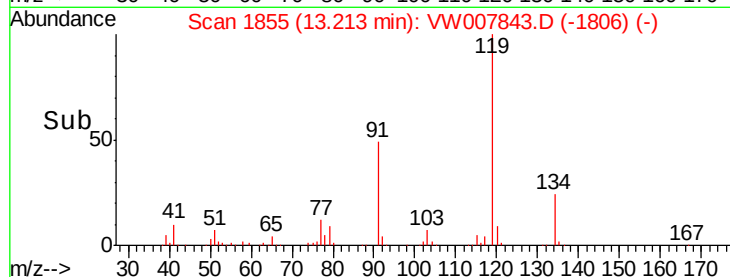
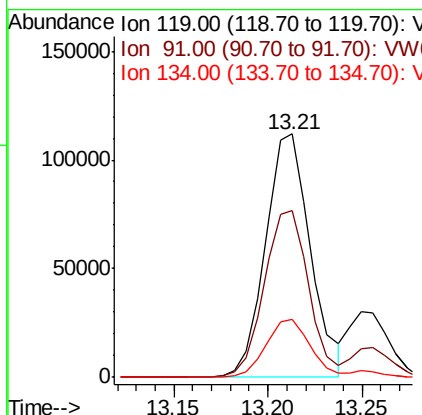
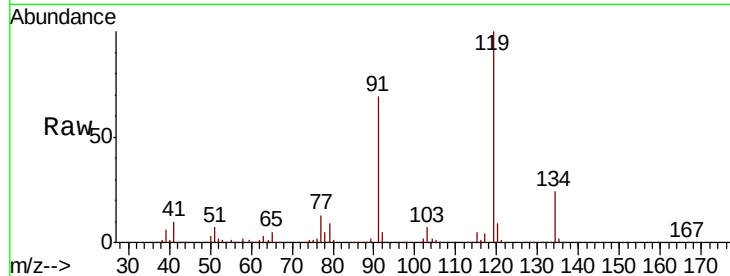
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	185264		
91	67.8	34.2	102.5	
134	23.6	12.8	38.4	

Manual Integrations
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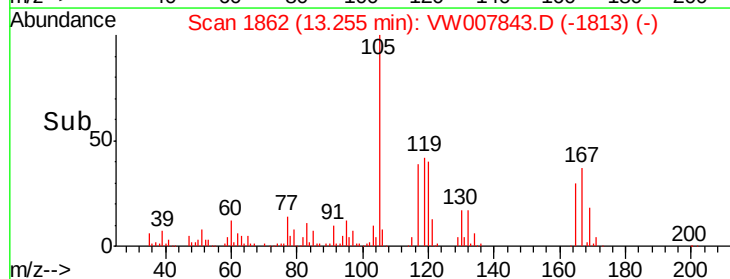
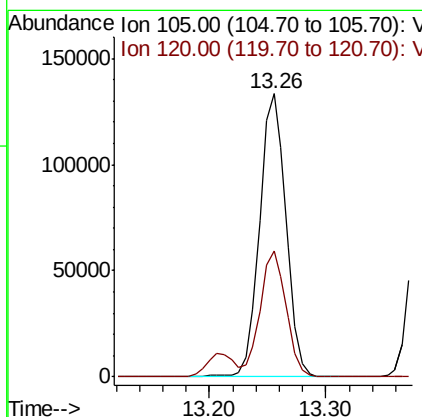
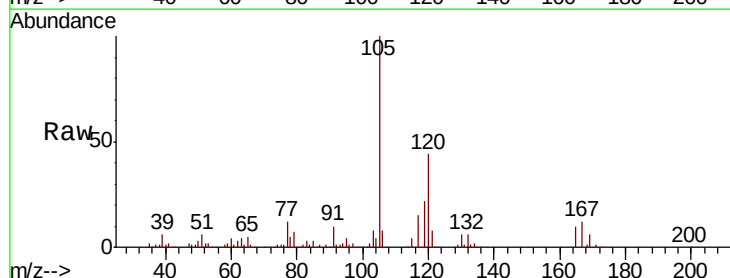
MMDadoda

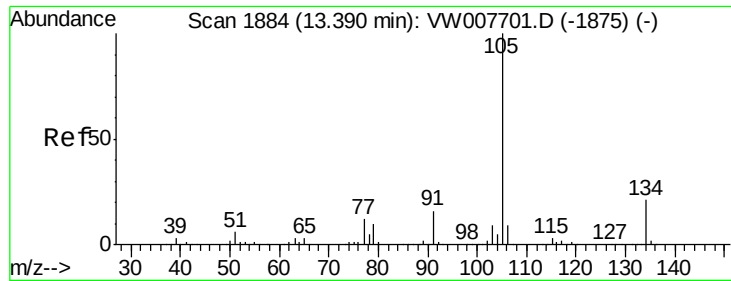
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.514 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210774		
120	43.9	22.0	66.0	





#85

sec-Butylbenzene

Concen: 57.995 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 259211

Ion Ratio Lower Upper

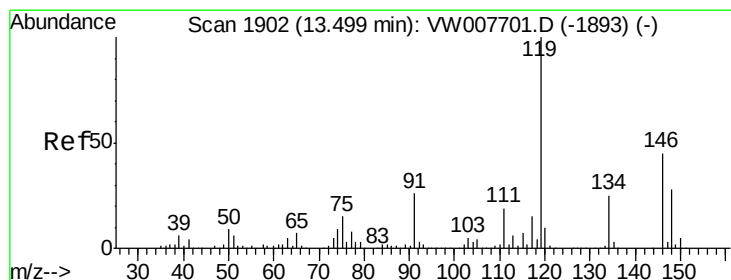
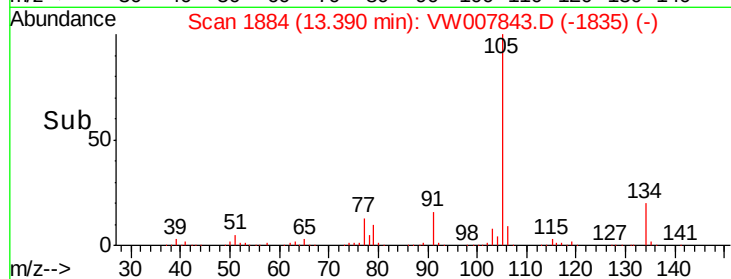
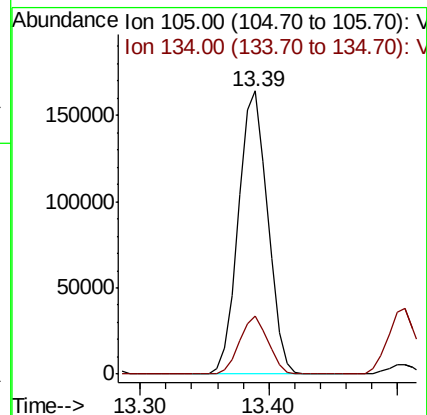
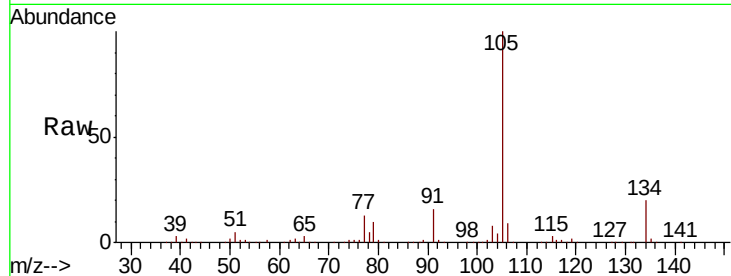
105 100

134 19.8 10.2 30.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 57.237 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

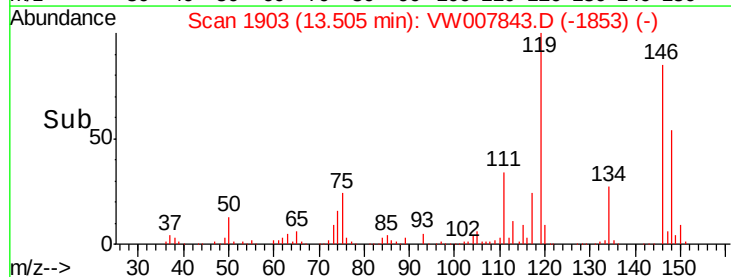
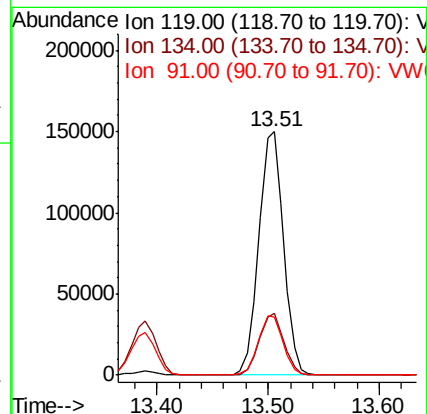
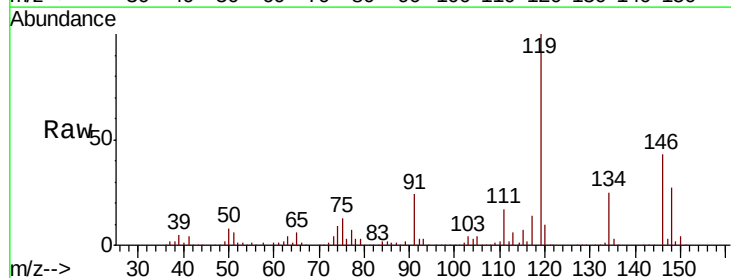
Tgt Ion:119 Resp: 232620

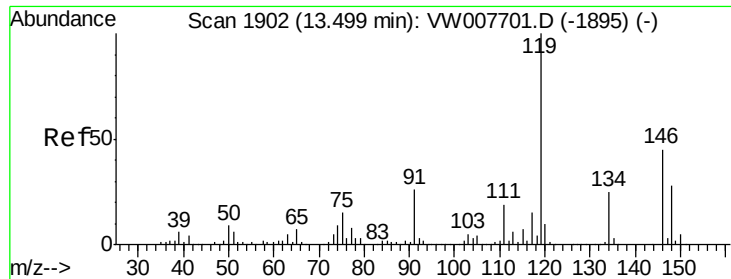
Ion Ratio Lower Upper

119 100

134 25.0 13.0 39.0

91 24.5 12.8 38.4





#87
 1,3-Dichlorobenzene
 Concen: 53.895 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

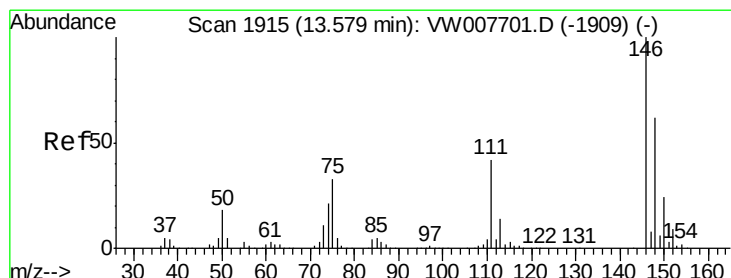
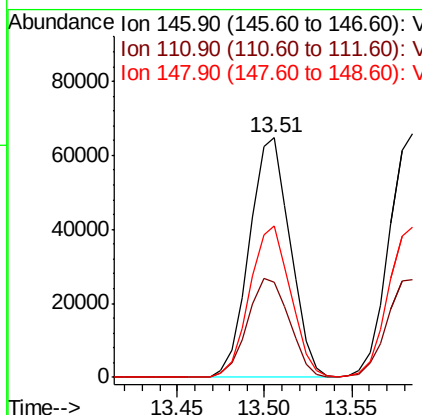
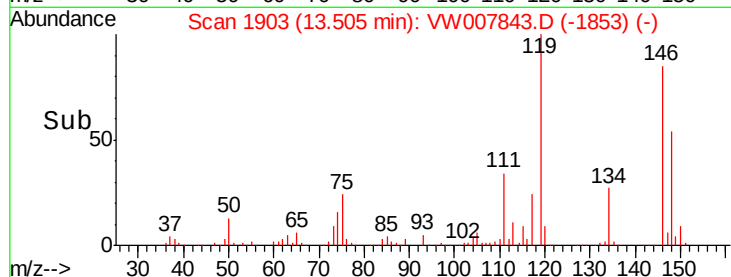
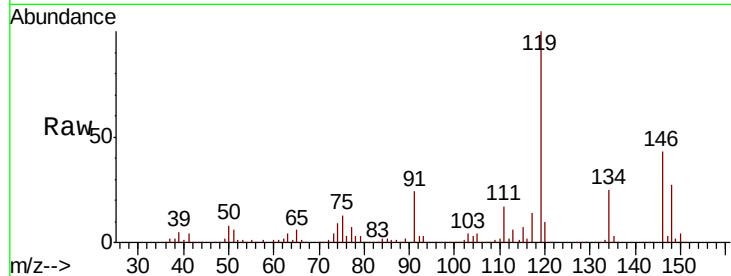
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.2	32.1	96.5

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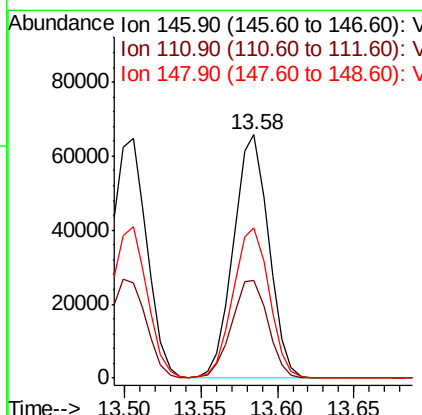
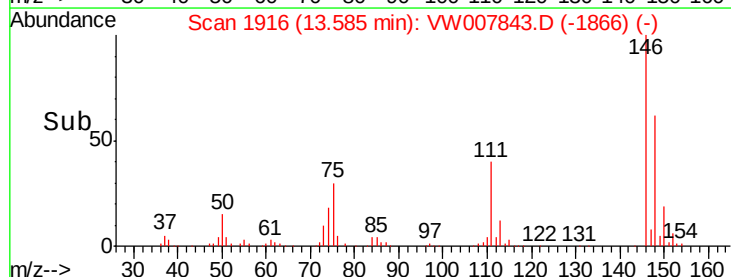
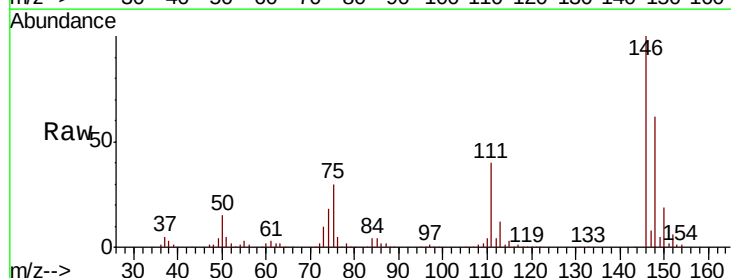
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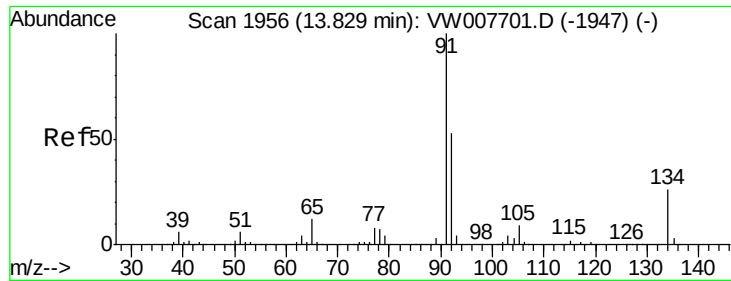
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#88
 1,4-Dichlorobenzene
 Concen: 53.879 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	63.5	31.8	95.4





#89
n-Butylbenzene
Concen: 58.262 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

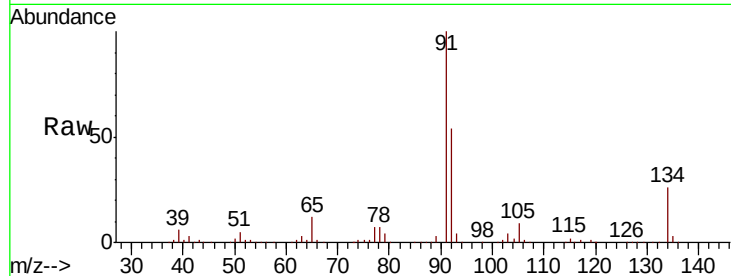
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	26.0	13.7	41.0

Manual Integrations
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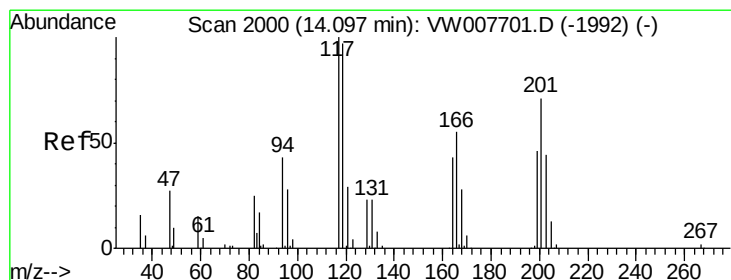
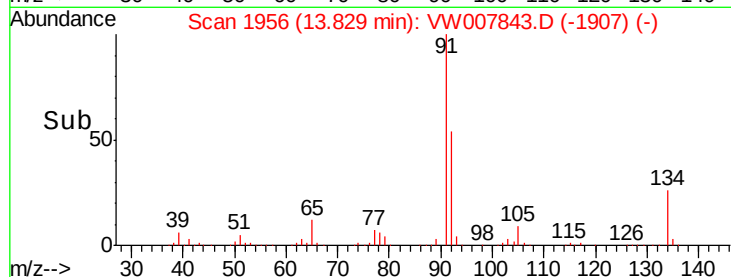
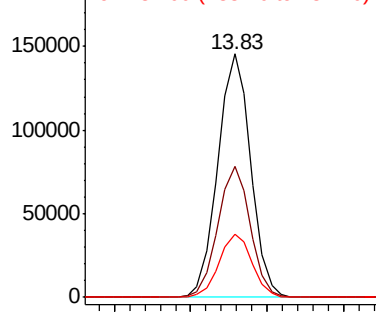


Abundance

Ion 91.00 (90.70 to 91.70): VW

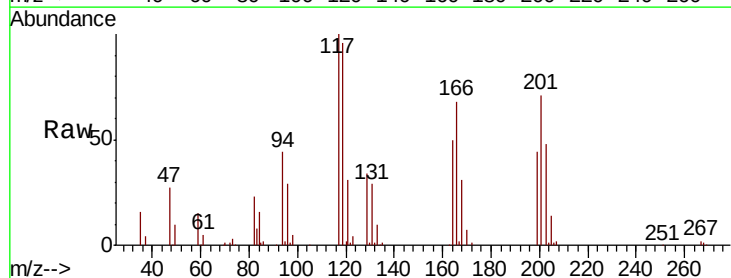
Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90
Hexachloroethane
Concen: 47.984 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

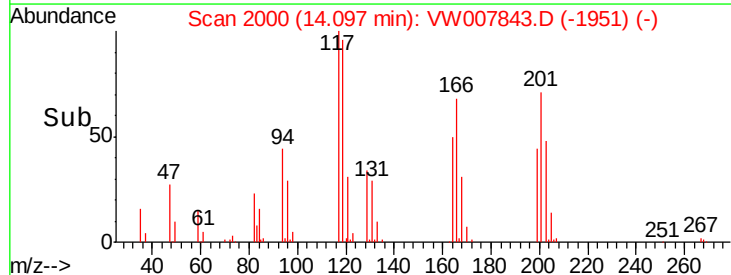
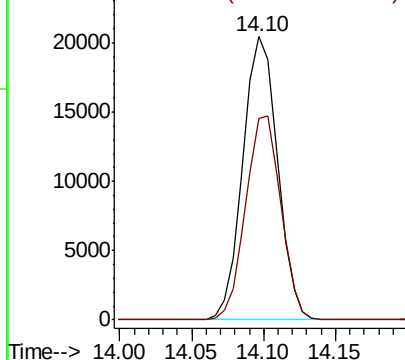
Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.8	36.2	108.6

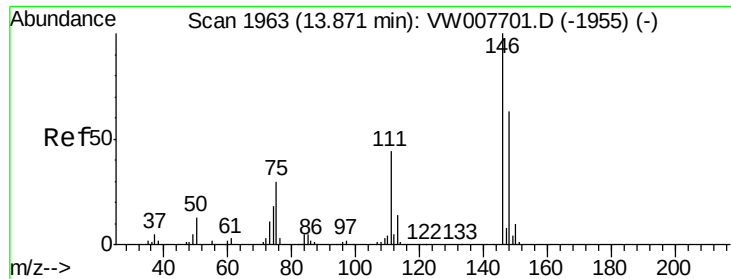


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91
 1,2-Dichlorobenzene
 Concen: 52.968 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

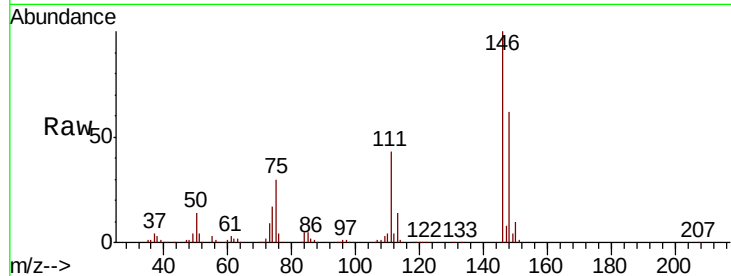
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.7	65.1
148	63.8	32.1	96.5

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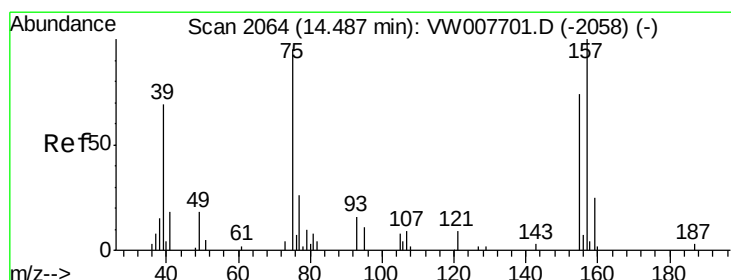
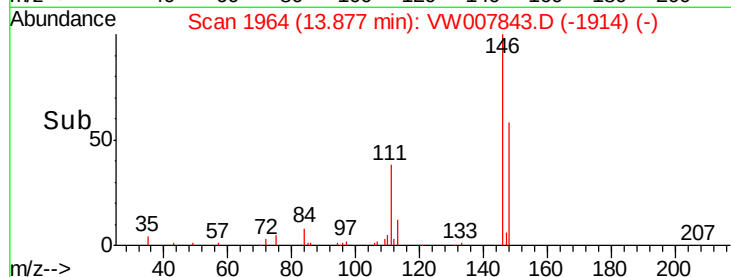
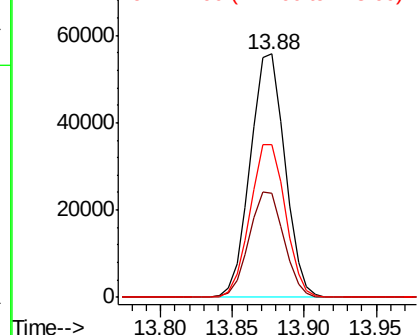


Abundance

Ion 145.90 (145.60 to 146.60): V

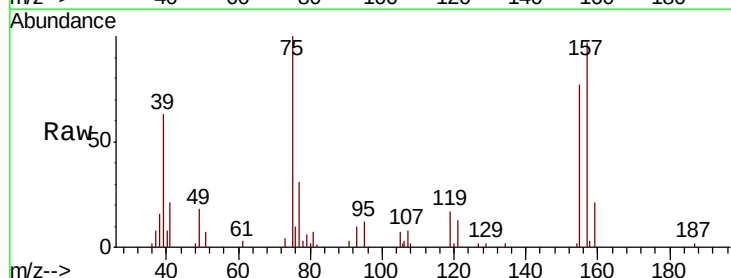
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.998 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	39.4	118.1
157	113.2	52.0	156.0

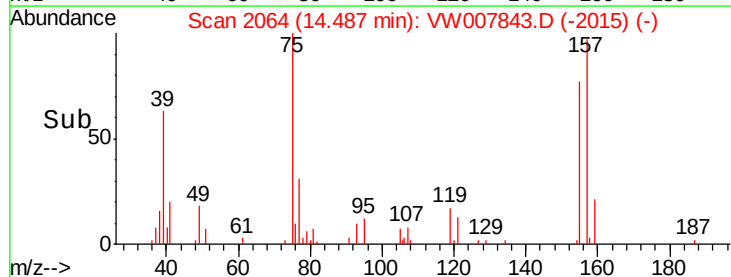
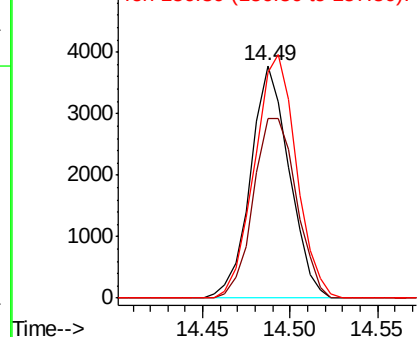


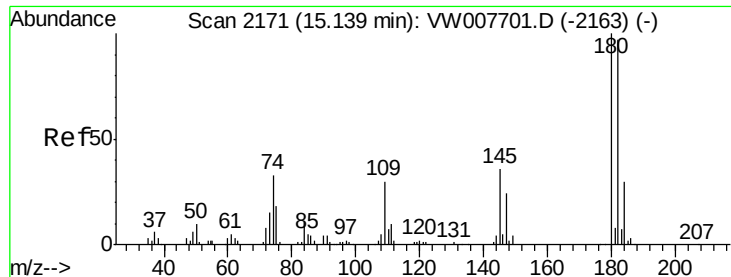
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93
1,2,4-Trichlorobenzene
Concen: 53.513 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

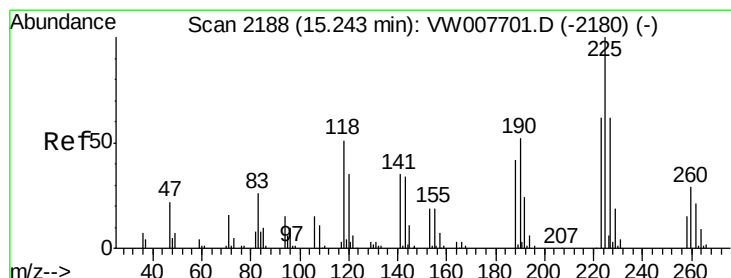
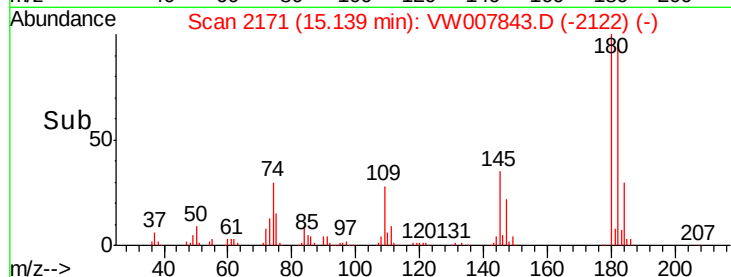
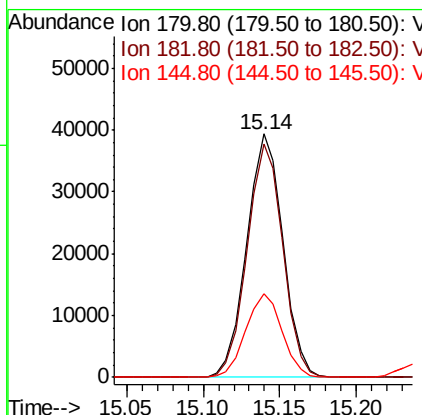
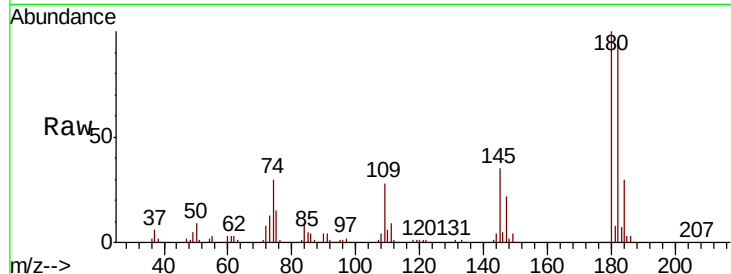
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	34.5	17.5	52.5

Manual Integrations
APPROVED

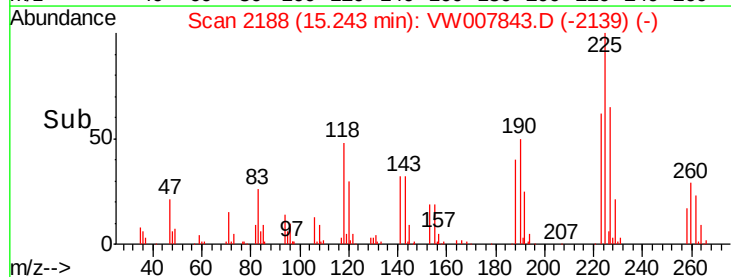
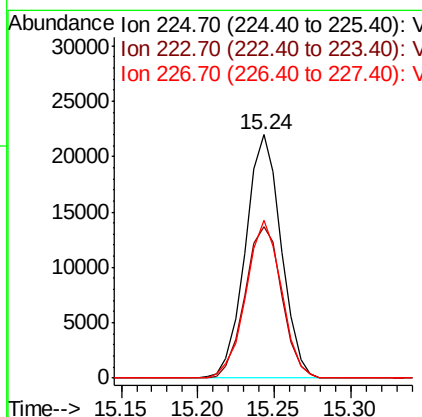
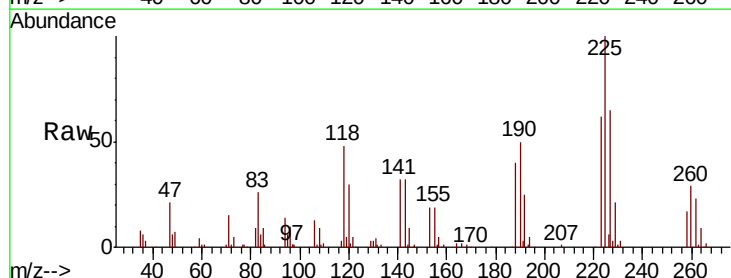
MMDadoda

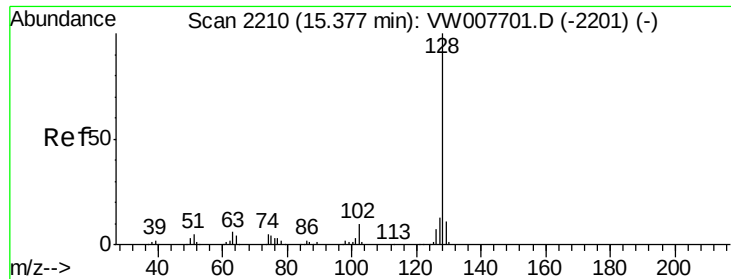
12/24/2018 3:18:27 PM



#94
Hexachlorobutadiene
Concen: 55.119 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.6	94.8
227	64.2	32.1	96.3





#95
Naphthalene
Concen: 54.773 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

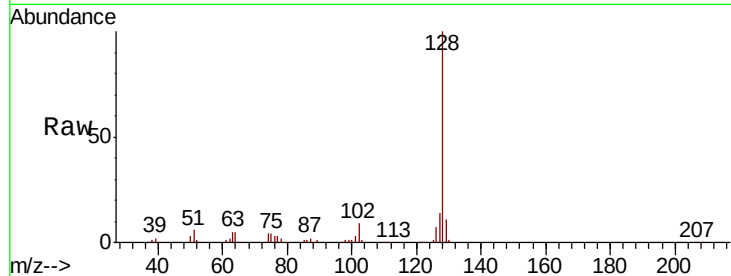
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	122712		
127	13.8	10.7	16.1	
129	10.6	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda

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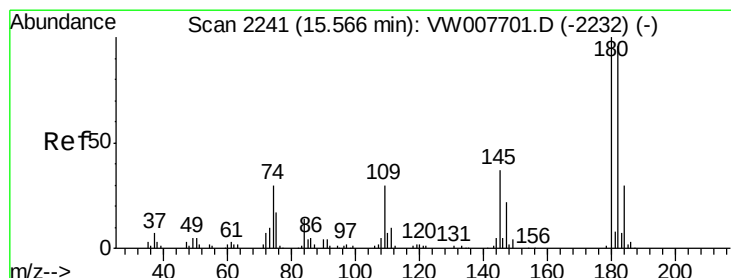
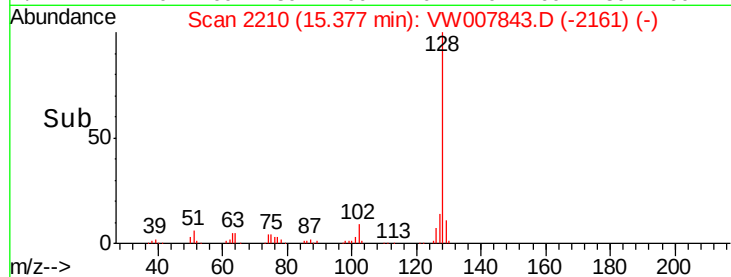
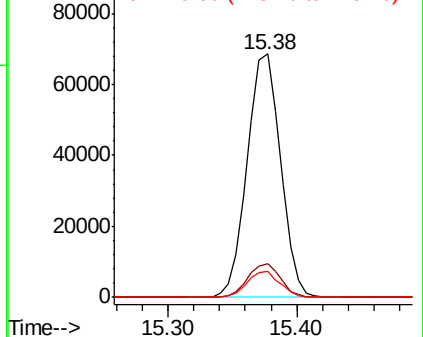


Abundance

Ion 128.00 (127.70 to 128.70): V

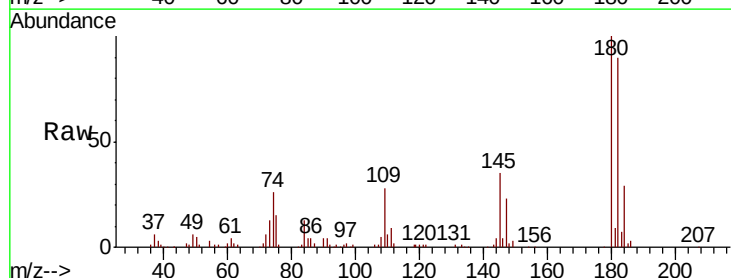
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.976 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54951		
182	93.0	47.4	142.2	
145	36.5	18.4	55.0	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

