

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007812.D
 Acq On : 21 Dec 2018 22:52
 Operator : SY/AP
 Sample : J6392-19MSD
 Misc : 5.18G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:59:29 AM

Quant Time: Dec 22 01:45:57 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	67538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	114335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	103750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42096	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	
35) Dibromofluoromethane	7.88	113	36267	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.32	98	134955	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.62	95	52560	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27071	45.088	ug/l	99
3) Chloromethane	2.22	50	23699	64.280	ug/l	96
4) Vinyl Chloride	2.37	62	27585	58.777	ug/l	96
5) Bromomethane	2.78	94	18718	57.262	ug/l	99
6) Chloroethane	2.92	64	15786	62.872	ug/l	95
7) Trichlorofluoromethane	3.25	101	20772	42.513	ug/l	97
8) Diethyl Ether	3.68	74	17845	59.627	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	32617	45.327	ug/l	98
10) Methyl Iodide	4.28	142	54076	47.254	ug/l	95
11) Tert butyl alcohol	5.18	59	16596	332.349	ug/l	99
12) 1,1-Dichloroethene	4.04	96	32083	48.148	ug/l	97
13) Acrolein	3.89	56	8287	207.557	ug/l	95
14) Allyl chloride	4.66	41	43299	49.551	ug/l	95
15) Acrylonitrile	5.37	53	41835	327.704	ug/l	99
16) Acetone	4.12	43	45491	328.175	ug/l	98
17) Carbon Disulfide	4.38	76	91110	44.185	ug/l	98
18) Methyl Acetate	4.67	43	28187	85.502	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	60750	63.505	ug/l #	85
20) Methylene Chloride	4.91	84	39323	57.695	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35403	48.309	ug/l	91
22) Diisopropyl ether	6.31	45	91614	55.992	ug/l	99
23) Vinyl Acetate	6.25	43	259222	266.658	ug/l	99
24) 1,1-Dichloroethane	6.21	63	61317	50.941	ug/l	98
25) 2-Butanone	7.17	43	54830	337.701	ug/l	97
26) 2,2-Dichloropropane	7.16	77	38106	43.262	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	40193	51.478	ug/l	97
28) Bromochloromethane	7.51	49	24353	59.340	ug/l	94
29) Tetrahydrofuran	7.53	42	34650	357.782	ug/l	98
30) Chloroform	7.67	83	67897	49.844	ug/l	100
31) Cyclohexane	7.95	56	53100	48.188	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	56326	45.402	ug/l	100
36) 1,1-Dichloropropene	8.08	75	51267	46.457	ug/l	99
37) Ethyl Acetate	7.25	43	24853	65.257	ug/l	99
38) Carbon Tetrachloride	8.07	117	53251	40.974	ug/l	95

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 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)
39) Methylcyclohexane	9.34	83	64163	46.791	ug/l	99
40) Benzene	8.32	78	142448	48.373	ug/l	99
41) Methacrylonitrile	7.49	41	14412	66.652	ug/l	93
42) 1,2-Dichloroethane	8.40	62	49651	50.312	ug/l	97
43) Isopropyl Acetate	8.43	43	51437	67.413	ug/l	94
44) Trichloroethene	9.09	130	40485	45.461	ug/l	94
45) 1,2-Dichloropropane	9.37	63	33138	50.715	ug/l	97
46) Dibromomethane	9.46	93	21090	52.433	ug/l	97
47) Bromodichloromethane	9.65	83	49546	46.856	ug/l	100
48) Methyl methacrylate	9.43	41	23274	61.109	ug/l	98
49) 1,4-Dioxane	9.45	88	8381	1314.234	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	119063	330.184	ug/l	100
52) Toluene	10.39	92	103446	52.358	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	53450	50.819	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	57255	49.283	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31529	56.860	ug/l	98
56) Ethyl methacrylate	10.65	69	39861	60.843	ug/l	96
57) 1,3-Dichloropropane	10.93	76	50263	54.588	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	106614	356.422	ug/l	99
59) 2-Hexanone	10.97	43	86185	339.852	ug/l	99
60) Dibromochloromethane	11.13	129	34876	47.502	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30348	54.045	ug/l	95
64) Tetrachloroethene	10.86	164	39085	53.200	ug/l	98
65) Chlorobenzene	11.66	112	105125	46.814	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37336	46.531	ug/l	98
67) Ethyl Benzene	11.73	91	182665	47.403	ug/l	98
68) m/p-Xylenes	11.84	106	139755	93.494	ug/l	97
69) o-Xylene	12.16	106	68544	48.919	ug/l	97
70) Styrene	12.18	104	112032	48.640	ug/l	99
71) Bromoform	12.35	173	20145	48.363	ug/l #	99
73) Isopropylbenzene	12.47	105	202185	52.249	ug/l	99
74) N-amyl acetate	12.27	43	43246	64.520	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	34380	59.257	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26805m	67.745	ug/l	
77) Bromobenzene	12.75	156	43862	49.460	ug/l	93
78) n-propylbenzene	12.80	91	228465	50.719	ug/l	98
79) 2-Chlorotoluene	12.90	91	128219	48.862	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	159910	47.908	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10611	56.292	ug/l	99
82) 4-Chlorotoluene	12.99	91	134551	48.157	ug/l	100
83) tert-Butylbenzene	13.21	119	139731	47.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	163720	48.610	ug/l	99
85) sec-Butylbenzene	13.39	105	192987	47.813	ug/l	100
86) p-Isopropyltoluene	13.50	119	172787	47.078	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	83348	47.336	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	83412	47.359	ug/l	99
89) n-Butylbenzene	13.83	91	153492	45.612	ug/l	99
90) Hexachloroethane	14.10	117	27870	43.253	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	78416	49.741	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7012	58.850	ug/l	95

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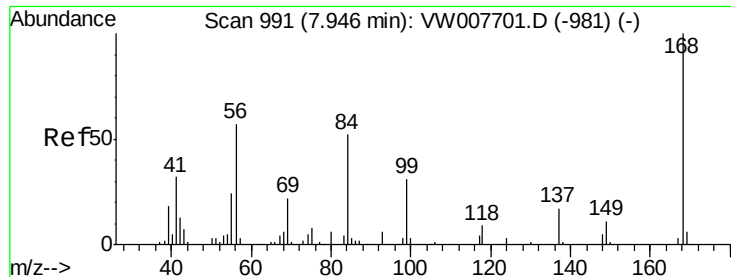
Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	52004	47.522	ug/l	99
94) Hexachlorobutadiene	15.24	225	26296	44.964	ug/l	96
95) Naphthalene	15.37	128	125715	62.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	47209	50.397	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007812.D

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Instrument :

MSVOA_W

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Tot Ion:168 Resp: 67538

Ion Ratio Lower Upper

168 100

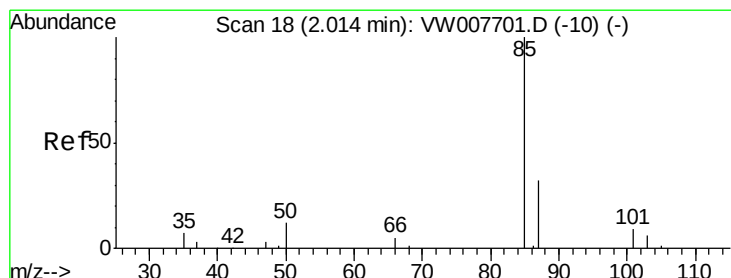
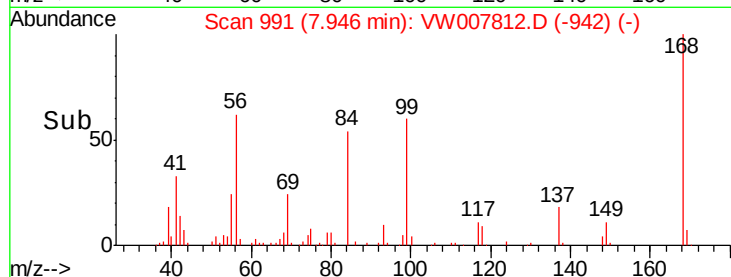
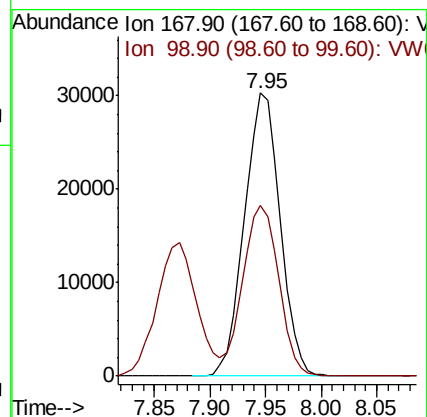
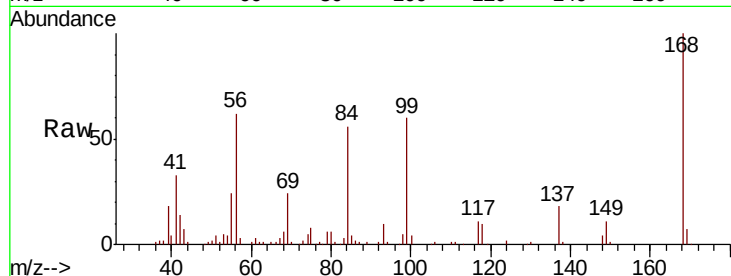
99 60.3 54.0 81.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.088 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007812.D

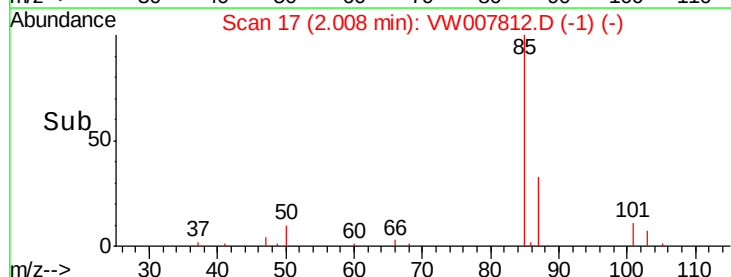
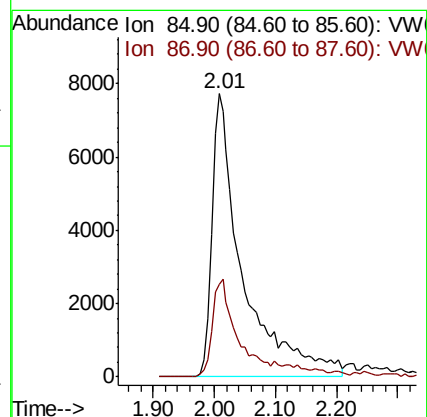
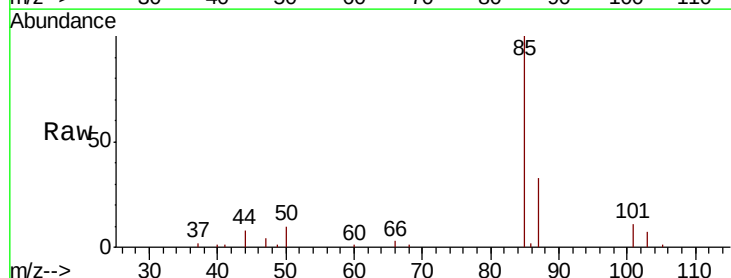
Acq: 21 Dec 2018 22:52

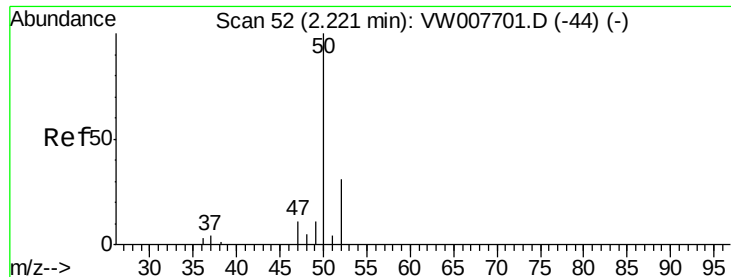
Tgt Ion: 85 Resp: 27071

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8





#3

Chloromethane

Concen: 64.280 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion: 50 Resp: 23699

Ion Ratio Lower Upper

50 100

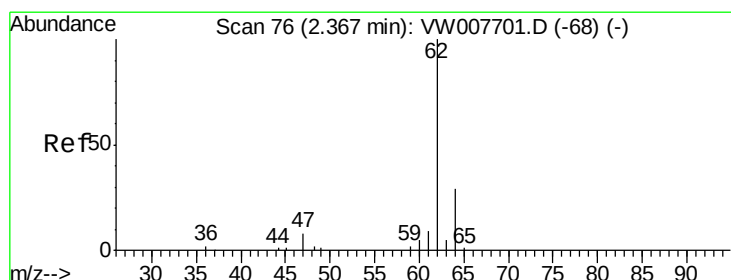
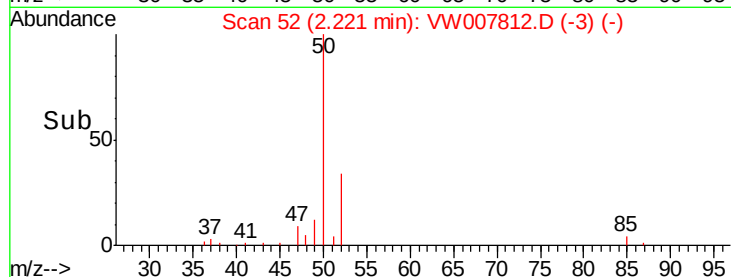
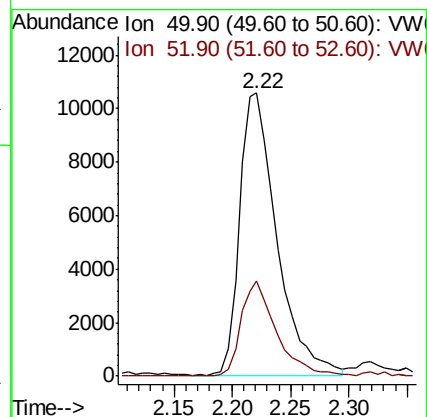
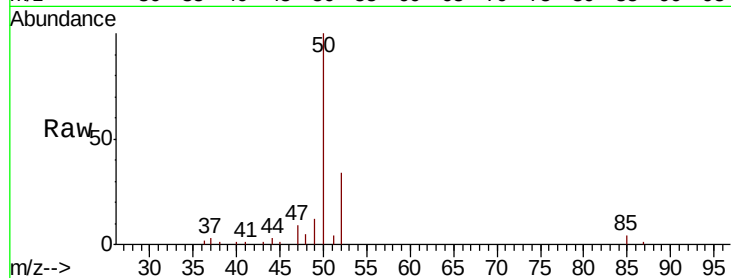
52 33.9 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.777 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007812.D

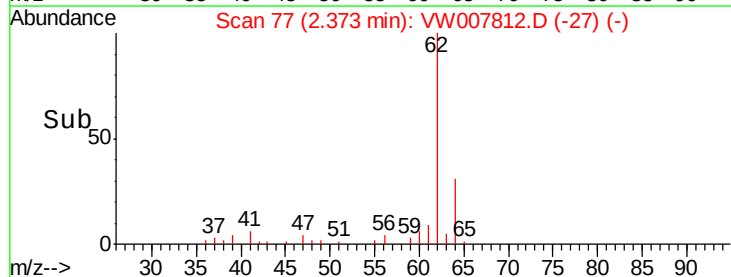
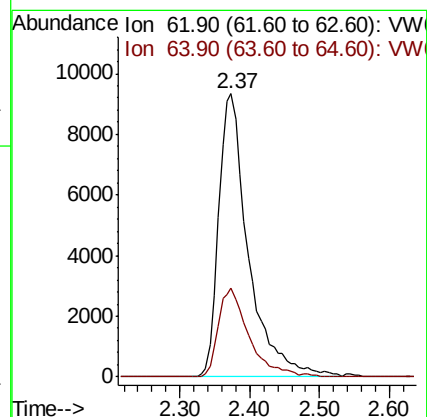
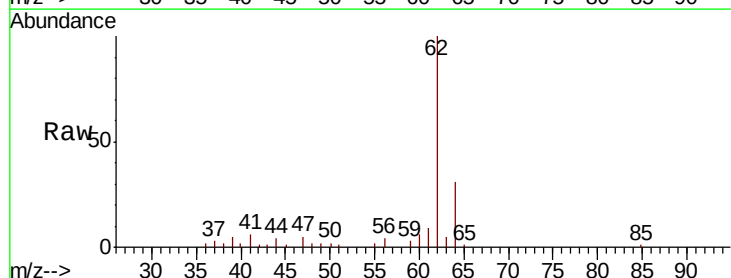
Acq: 21 Dec 2018 22:52

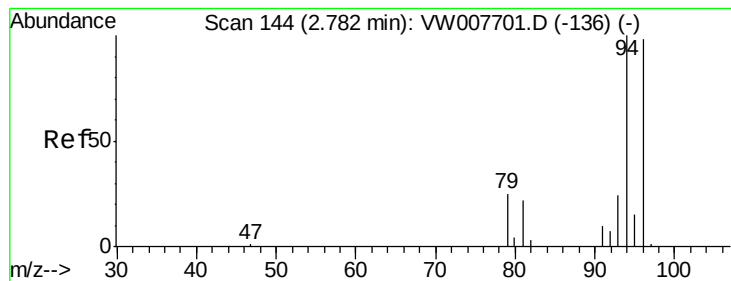
Tgt Ion: 62 Resp: 27585

Ion Ratio Lower Upper

62 100

64 31.3 23.4 35.0





#5

Bromomethane

Concen: 57.262 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

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Tot Ion: 94 Resp: 18718

Ion Ratio Lower Upper

94 100

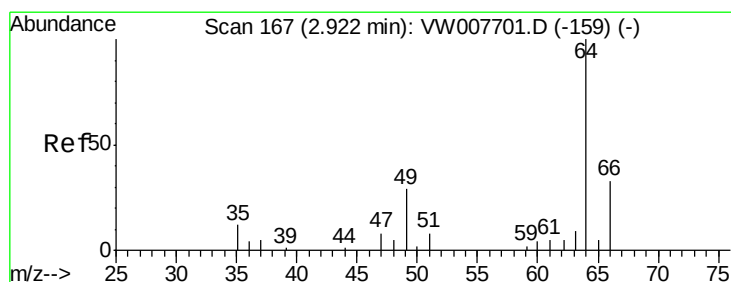
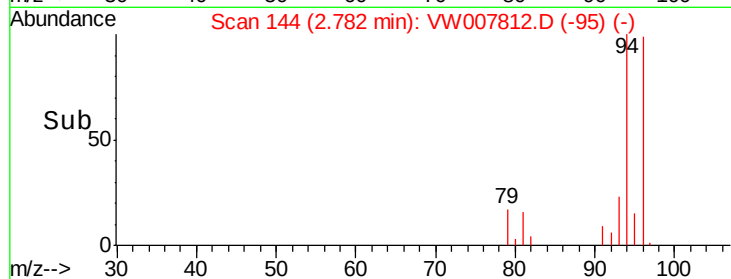
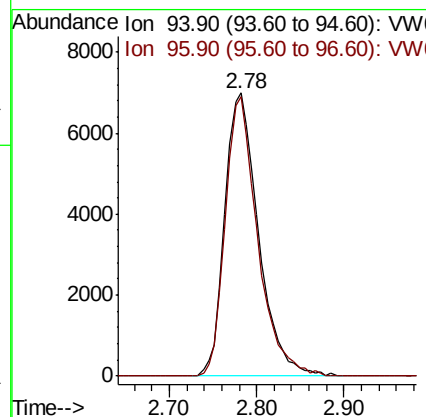
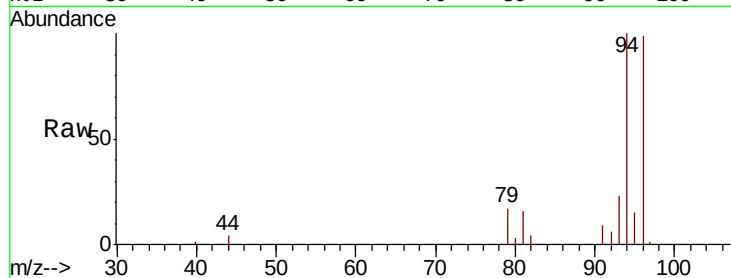
96 98.6 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 62.872 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007812.D

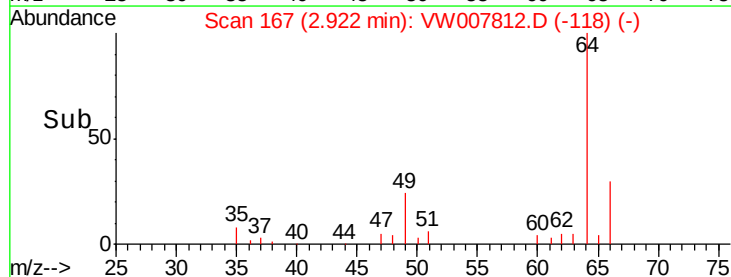
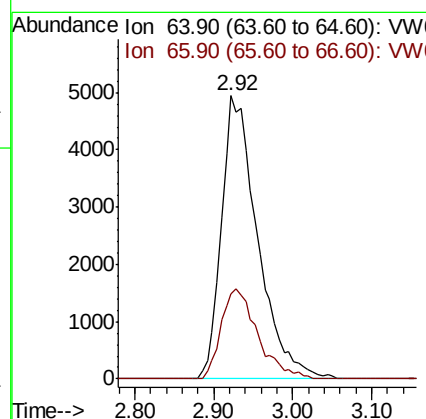
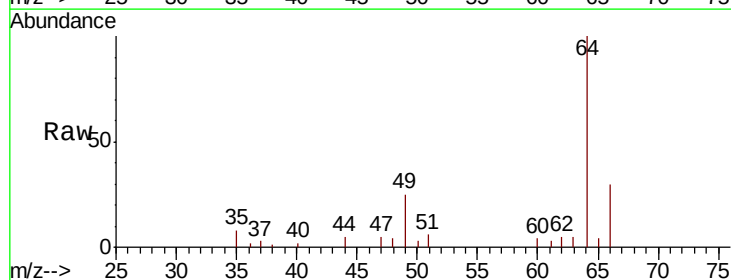
Acq: 21 Dec 2018 22:52

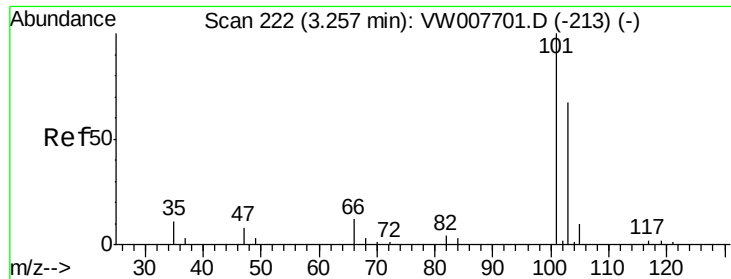
Tgt Ion: 64 Resp: 15786

Ion Ratio Lower Upper

64 100

66 29.9 26.2 39.4





#7

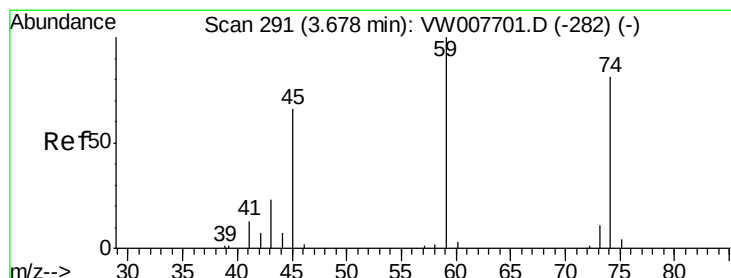
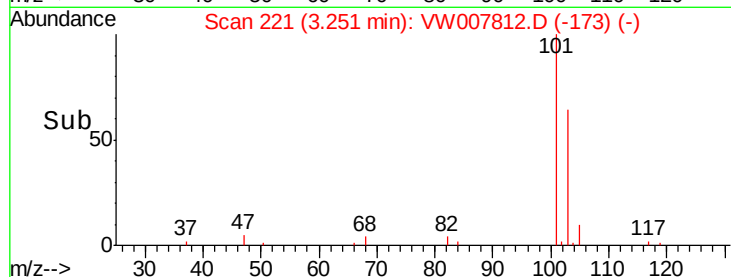
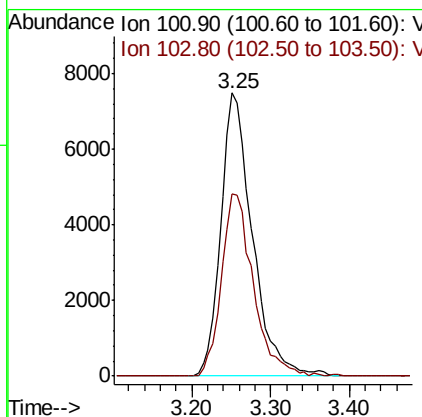
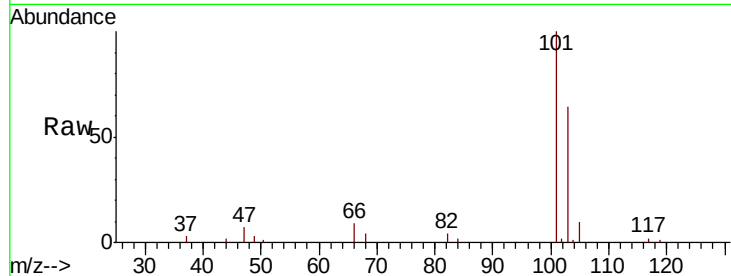
Trichlorofluoromethane
 Concen: 42.513 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

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 KY001SB106-121218-(8-10)MSD

Tot Ion:101 Resp: 20772
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.4 80.2

Manual Integrations
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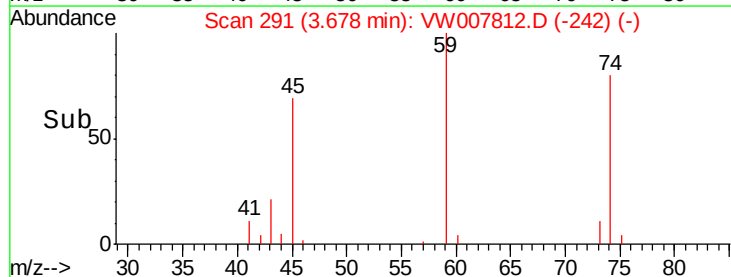
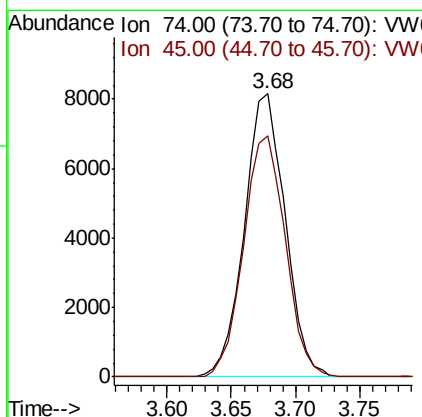
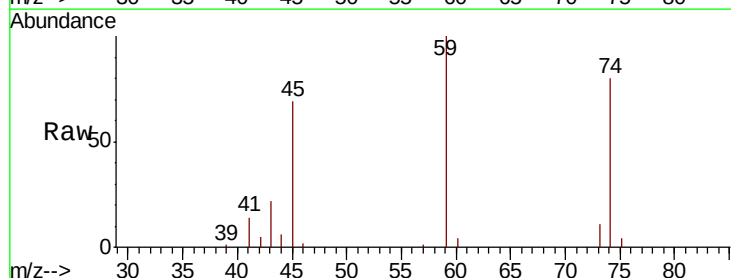
MMDadoda
 12/26/2018 10:59:29 AM

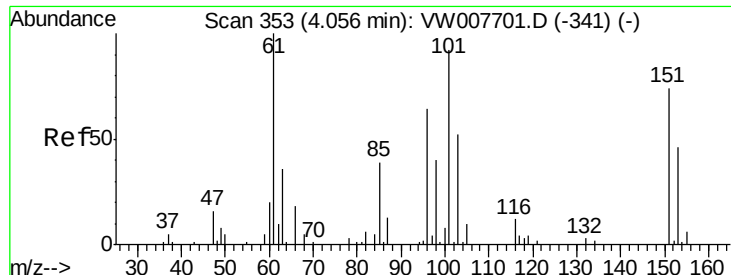


#8

Diethyl Ether
 Concen: 59.627 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 74 Resp: 17845
 Ion Ratio Lower Upper
 74 100
 45 87.4 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.327 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

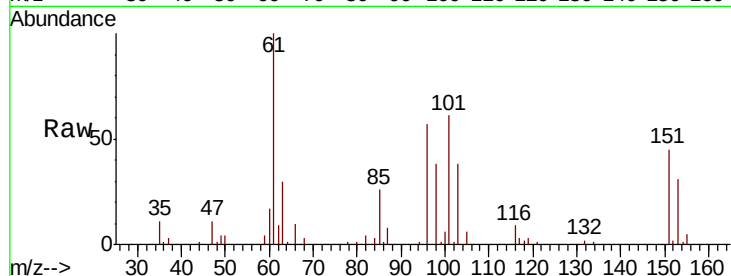
ClientSampleId :

KY001SB106-121218-(8-10)MSD

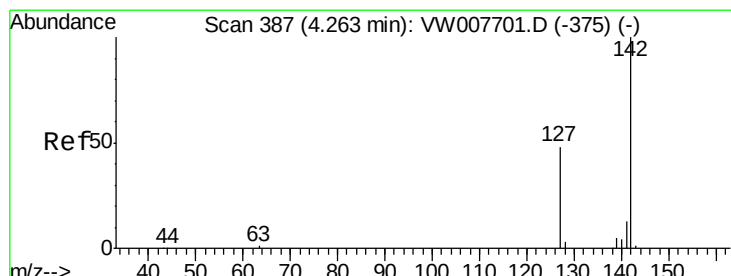
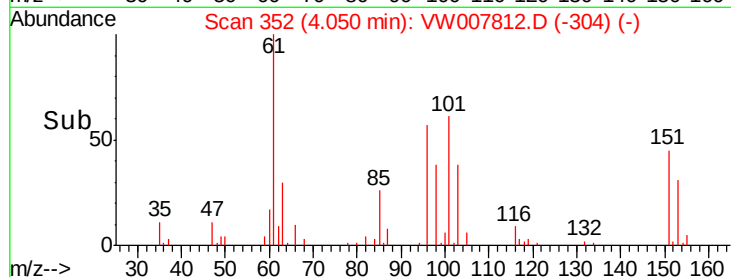
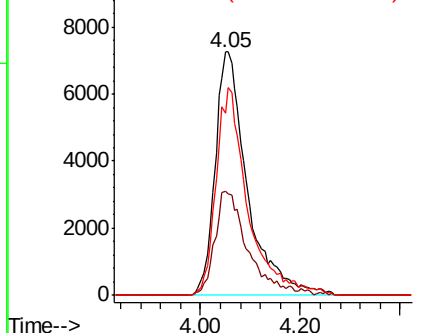
Tot Ion:	101	Resp:	32617
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.3	51.5
151	83.7	64.6	96.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.254 ug/l

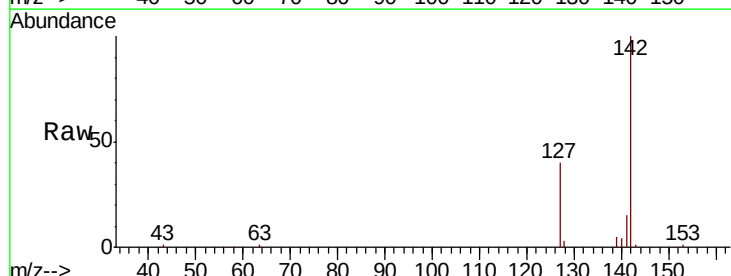
RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

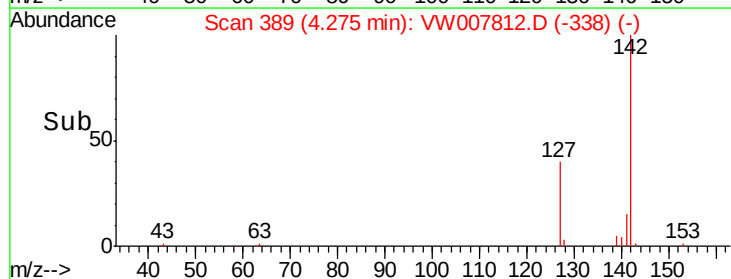
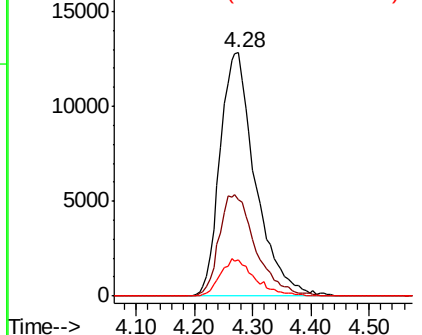
Lab File: VW007812.D

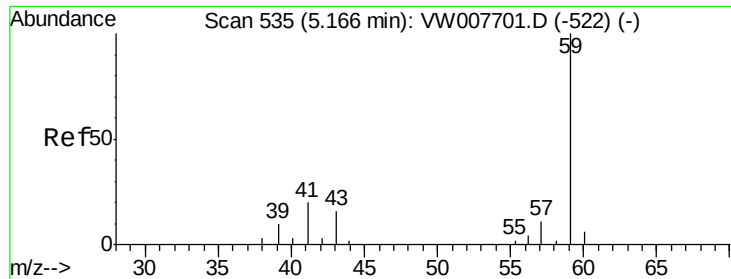
Acq: 21 Dec 2018 22:52

Tgt Ion:	142	Resp:	54076
Ion Ratio	Lower	Upper	
142	100		
127	43.1	37.7	56.5
141	14.9	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





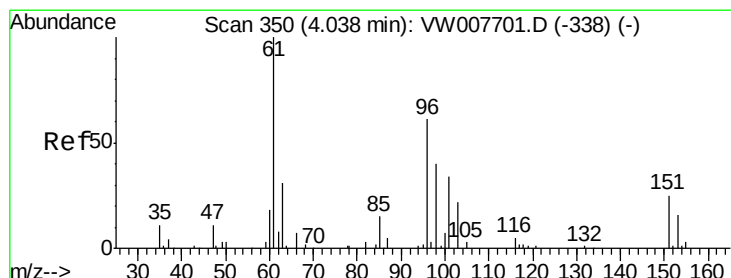
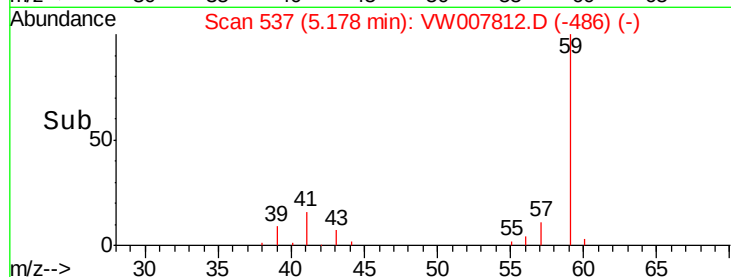
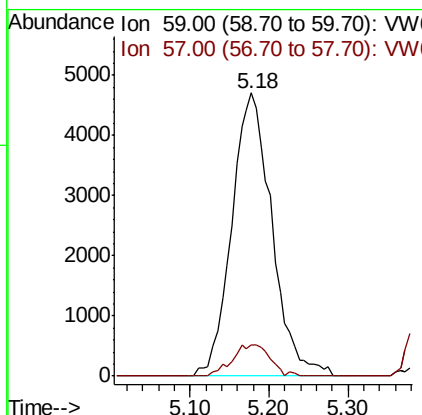
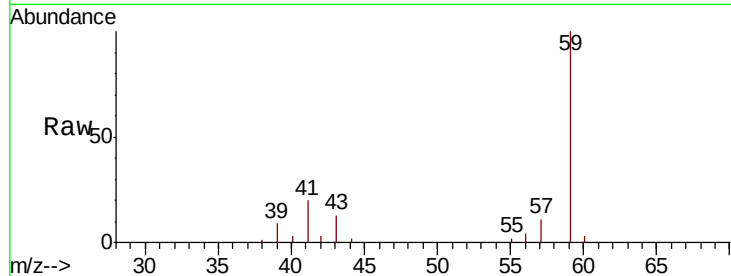
#11
Tert butyl alcohol
Concen: 332.349 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion: 59 Resp: 16596
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.8

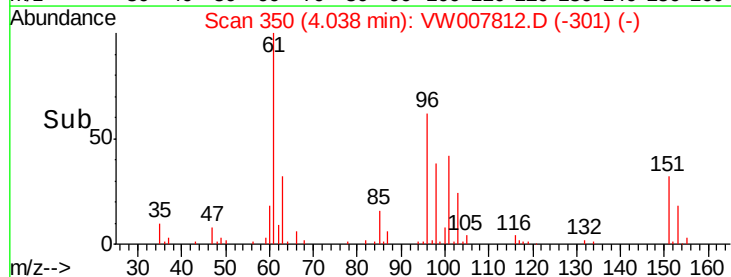
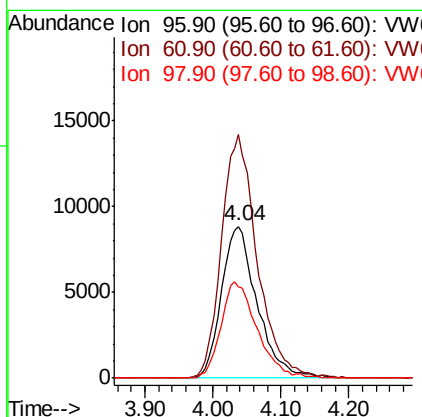
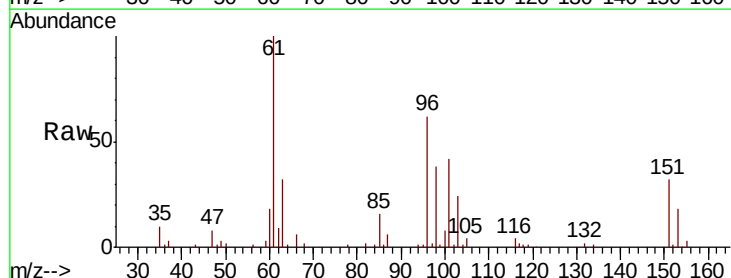
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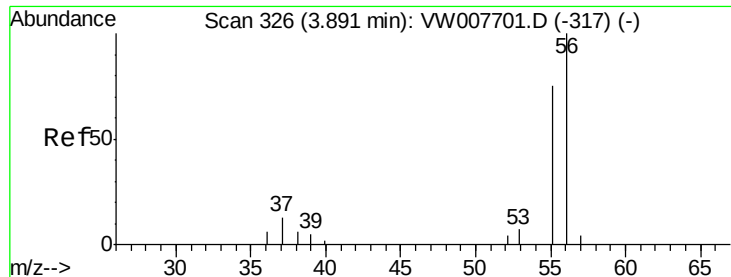
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.148 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 96 Resp: 32083
Ion Ratio Lower Upper
96 100
61 160.5 130.6 195.8
98 60.3 52.3 78.5





#13

Acrolein

Concen: 207.557 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion: 56 Resp: 8287

Ion Ratio Lower Upper

56 100

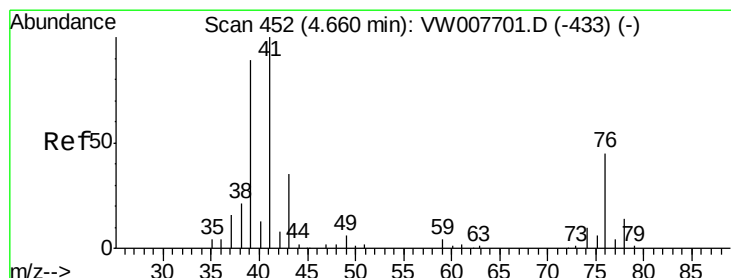
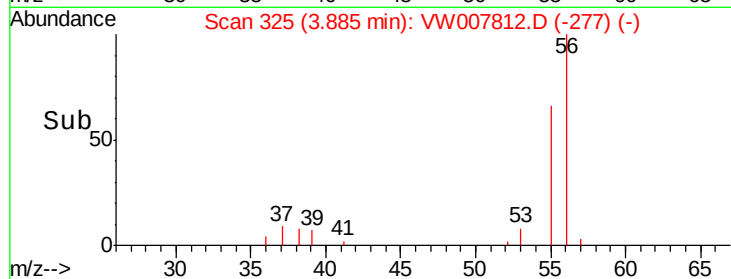
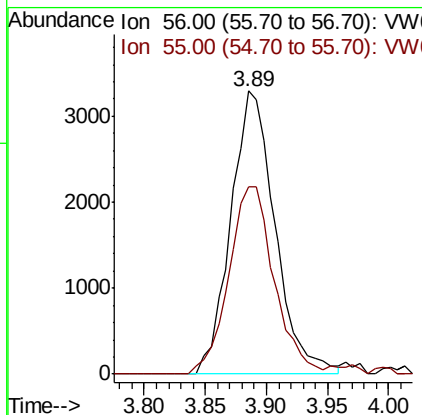
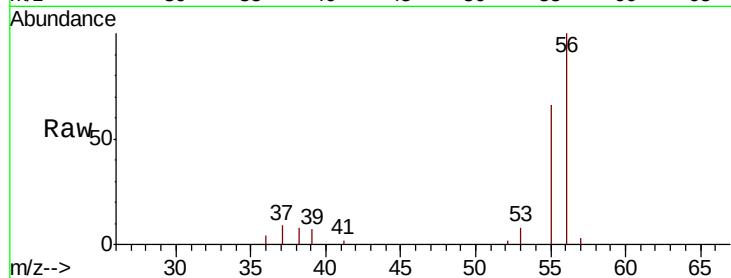
55 67.6 57.7 86.5

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#14

Allyl chloride

Concen: 49.551 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

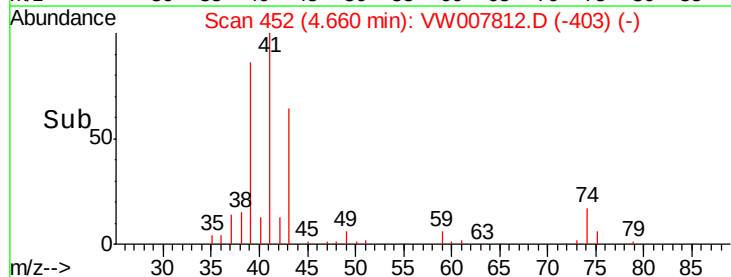
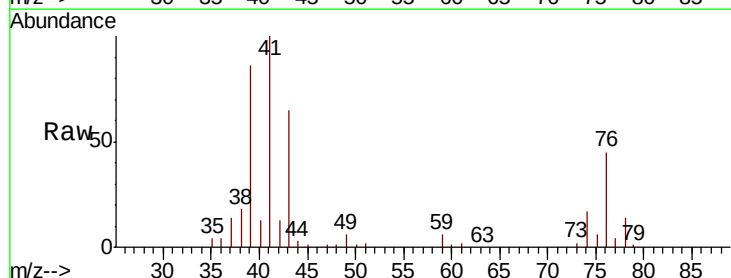
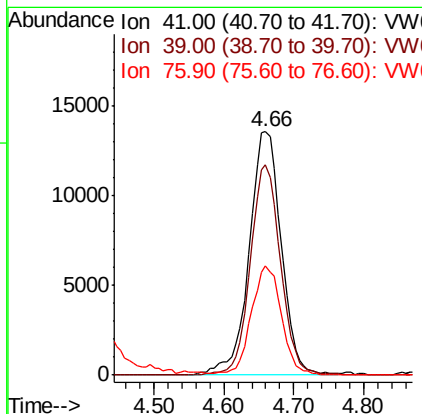
Tgt Ion: 41 Resp: 43299

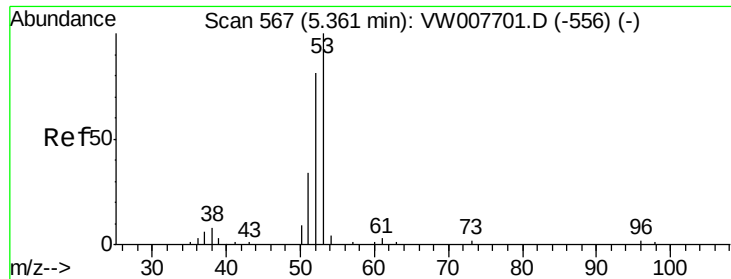
Ion Ratio Lower Upper

41 100

39 81.3 69.5 104.3

76 42.2 34.8 52.2





#15

Acrylonitrile

Concen: 327.704 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

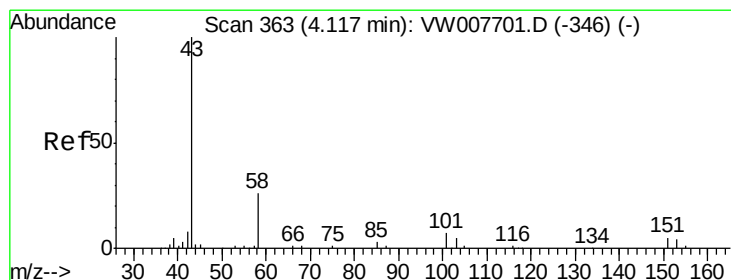
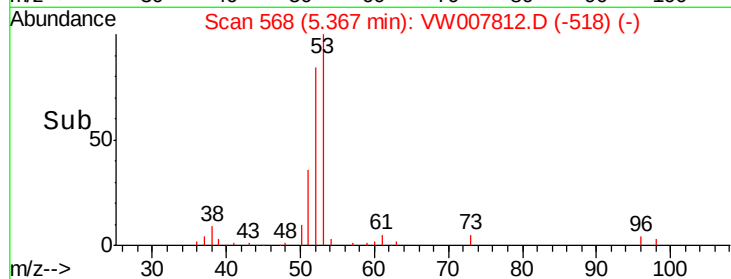
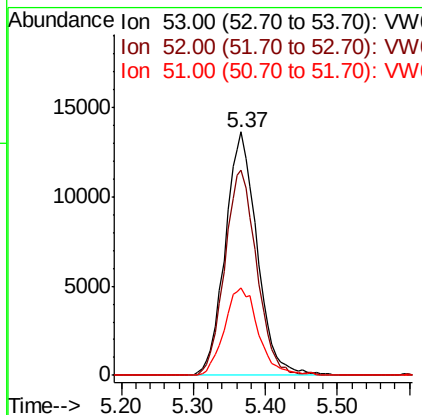
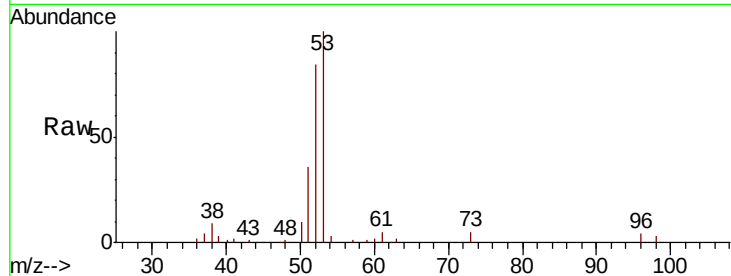
ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion:	53	Resp:	41835
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.0	100.4
51	38.1	30.2	45.2

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#16

Acetone

Concen: 328.175 ug/l

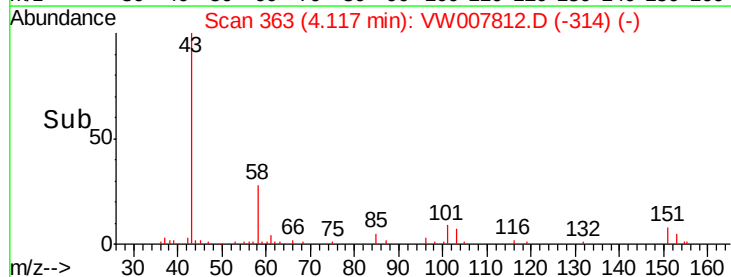
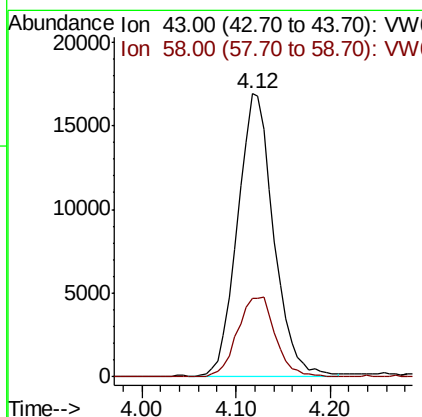
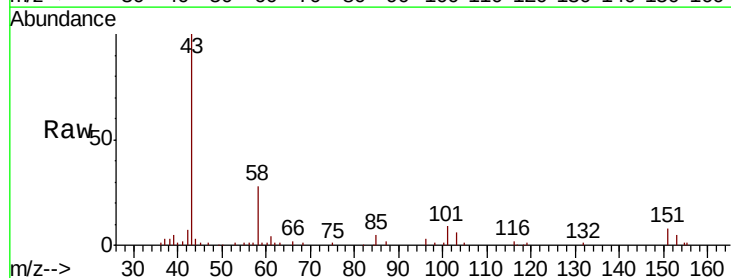
RT: 4.12 min Scan# 363

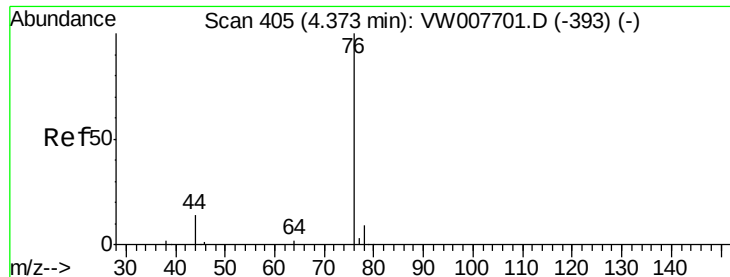
Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion:	43	Resp:	45491
Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8





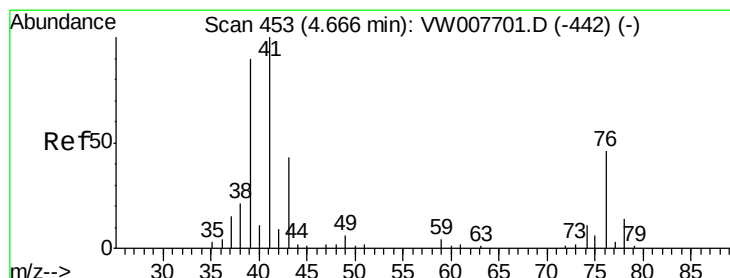
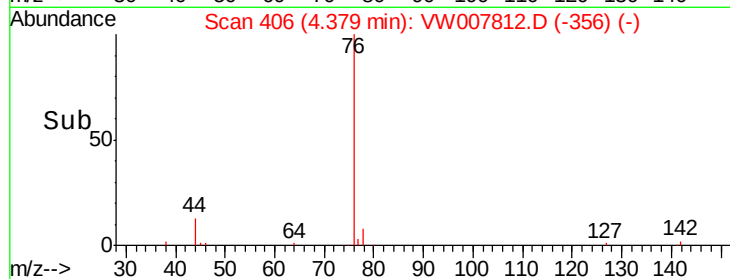
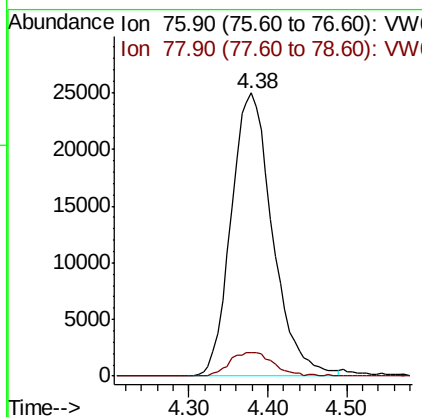
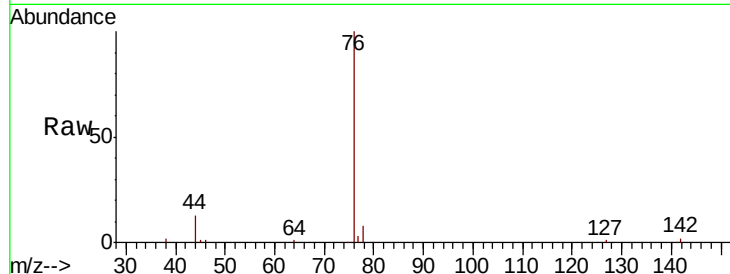
#17
Carbon Disulfide
Concen: 44.185 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.3	10.9

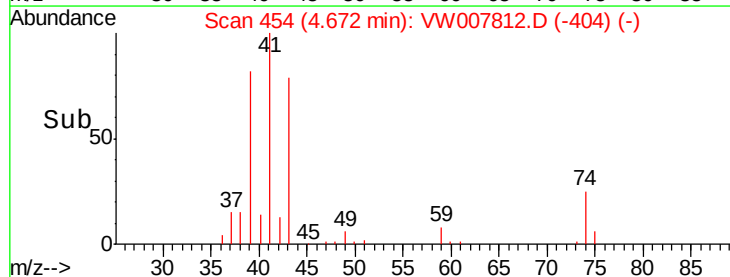
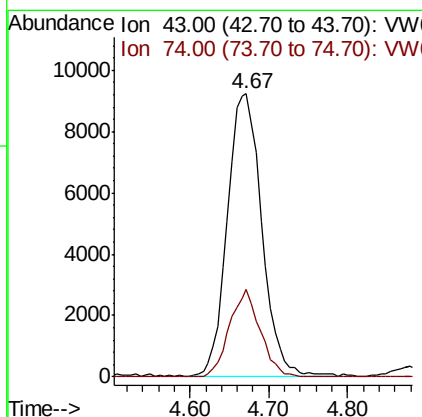
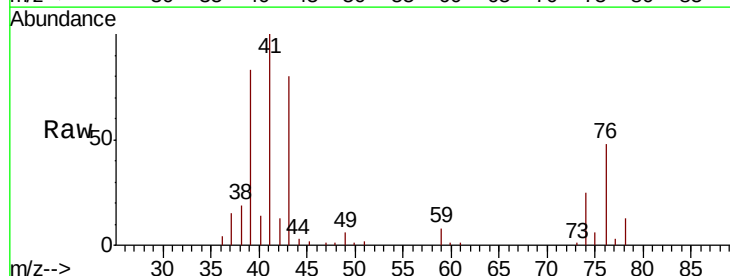
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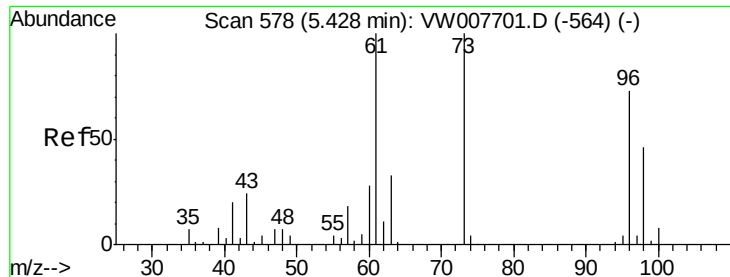
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#18
Methyl Acetate
Concen: 85.502 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	22.7	34.1





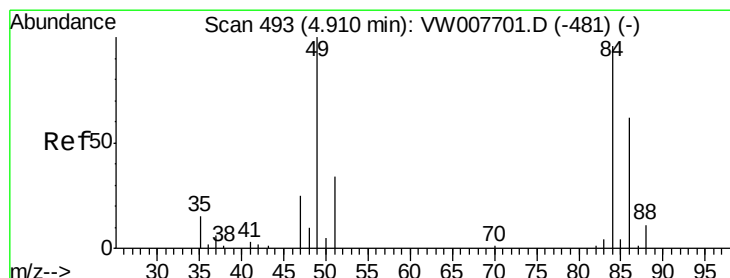
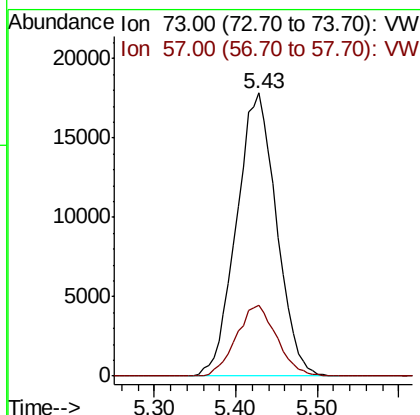
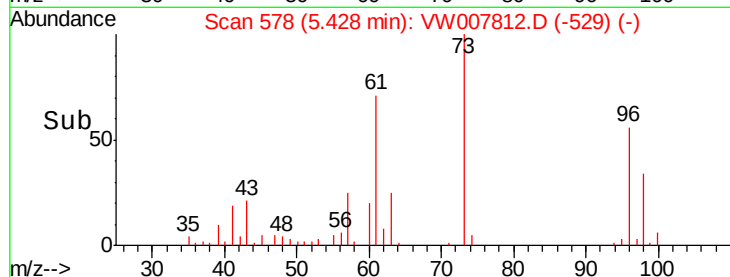
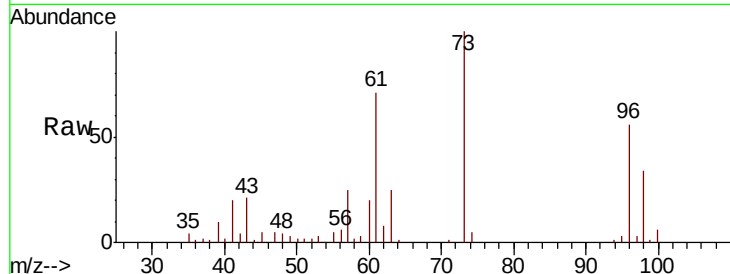
#19
Methyl tert-butyl Ether
Concen: 63.505 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion: 73 Resp: 60750
Ion Ratio Lower Upper
73 100
57 25.2 14.7 22.1#

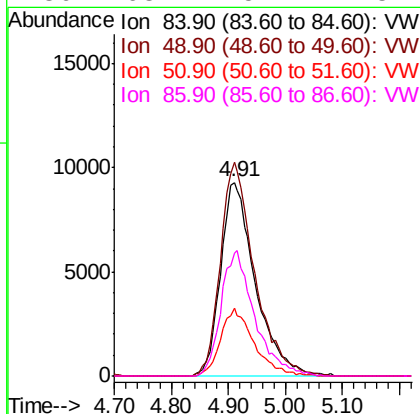
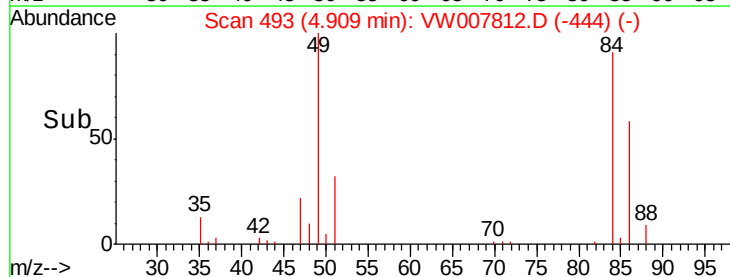
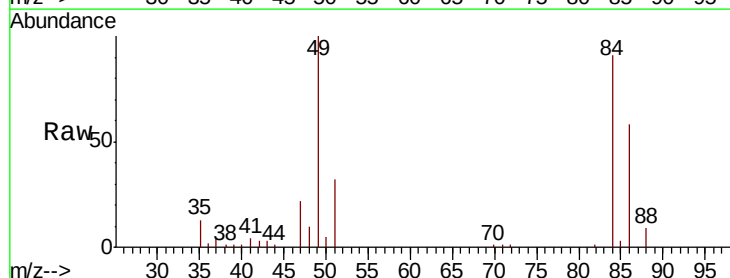
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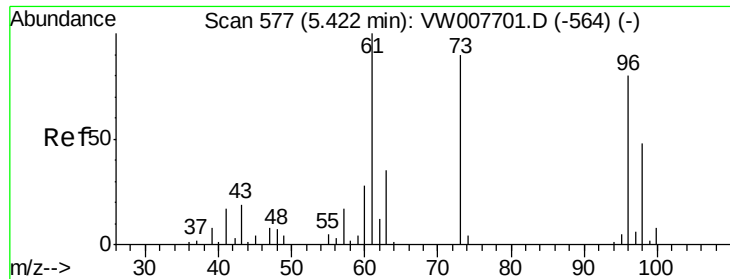
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#20
Methylene Chloride
Concen: 57.695 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 84 Resp: 39323
Ion Ratio Lower Upper
84 100
49 110.4 83.7 125.5
51 35.0 28.2 42.2
86 63.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.309 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

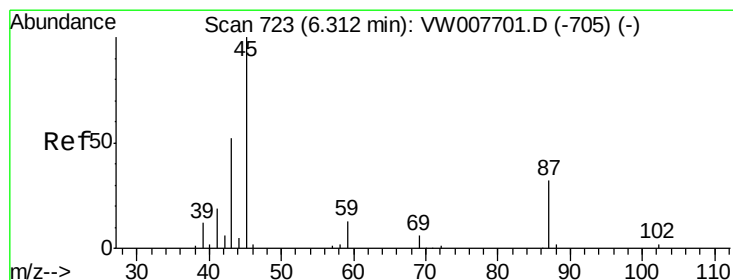
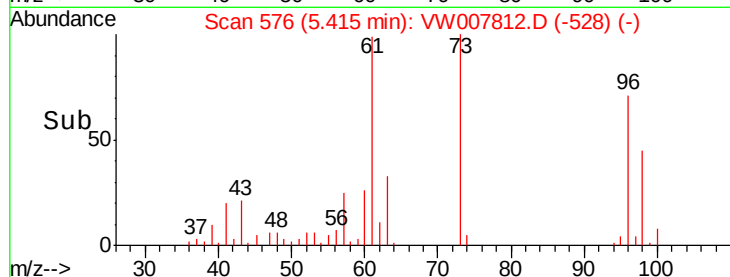
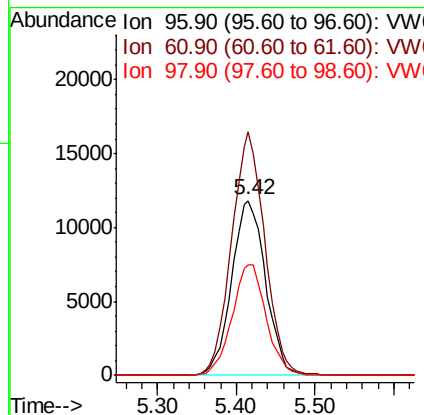
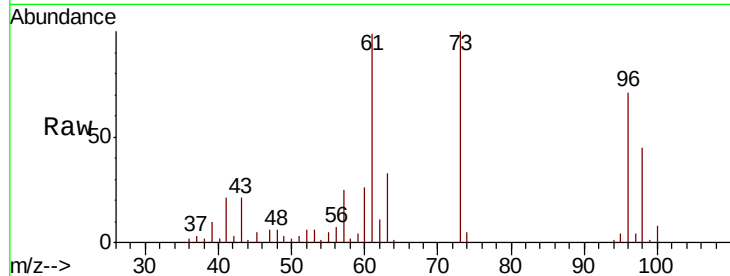
ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion:	96	Resp:	35403
Ion	Ratio	Lower	Upper
96	100		
61	139.1	100.1	150.1
98	63.2	48.5	72.7

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#22

Diisopropyl ether

Concen: 55.992 ug/l

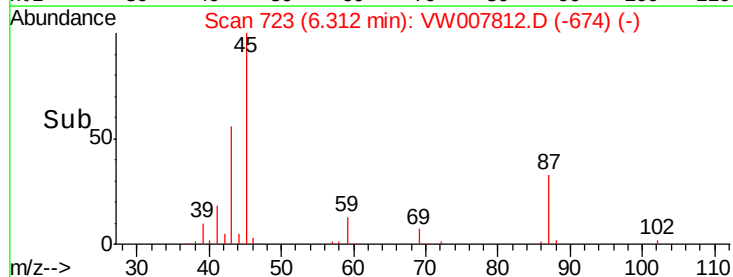
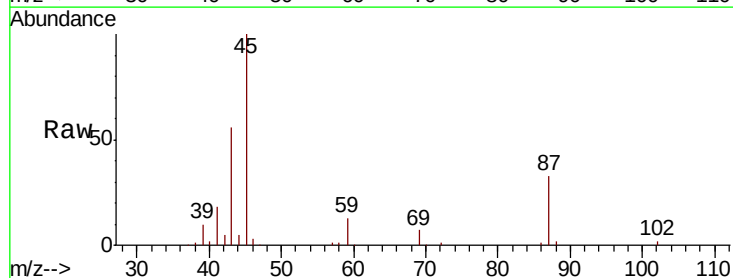
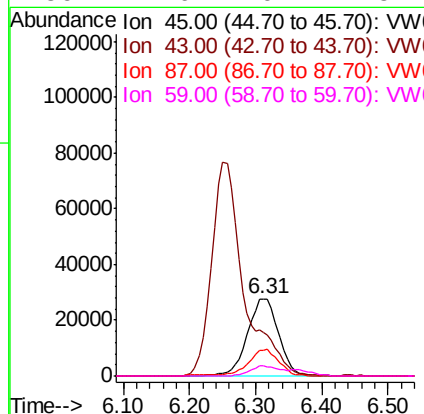
RT: 6.31 min Scan# 723

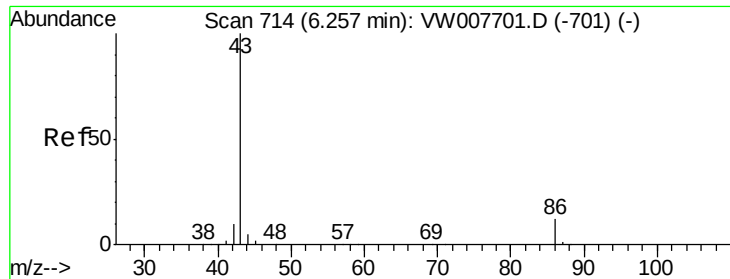
Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion:	45	Resp:	91614
Ion	Ratio	Lower	Upper
45	100		
43	55.9	43.7	65.5
87	33.3	26.6	40.0
59	12.6	10.2	15.2





#23

Vinyl Acetate

Concen: 266.658 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion: 43 Resp: 259222

Ion Ratio Lower Upper

43 100

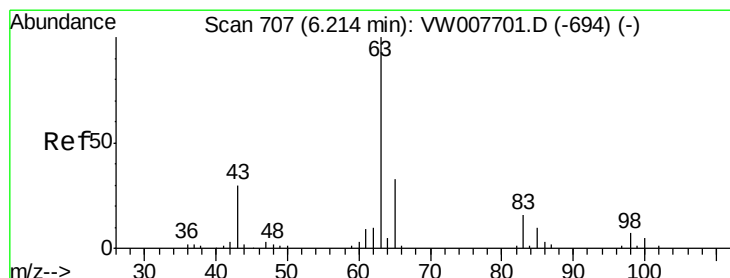
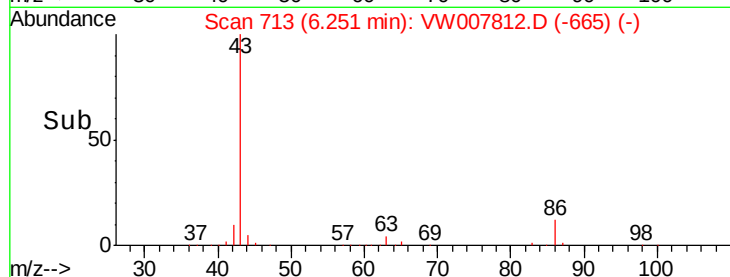
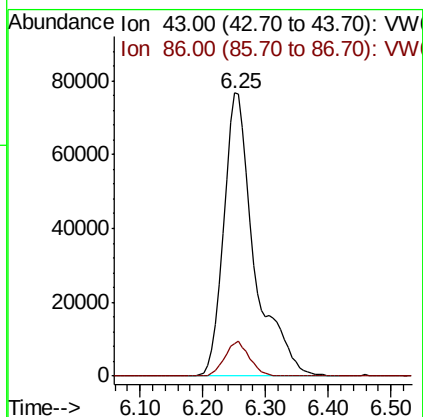
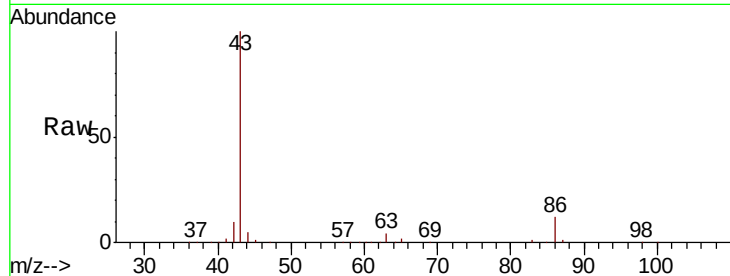
86 11.7 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 50.941 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

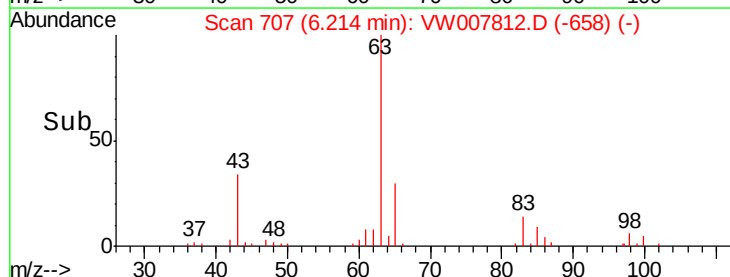
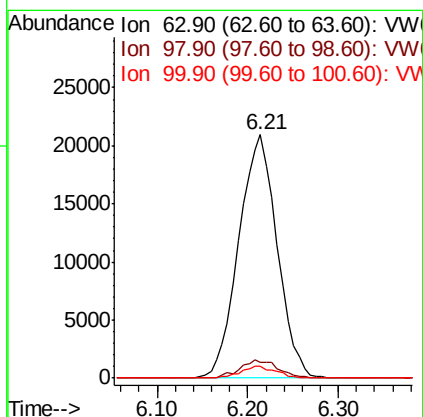
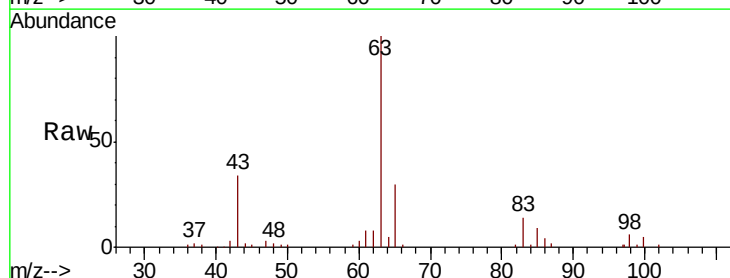
Tgt Ion: 63 Resp: 61317

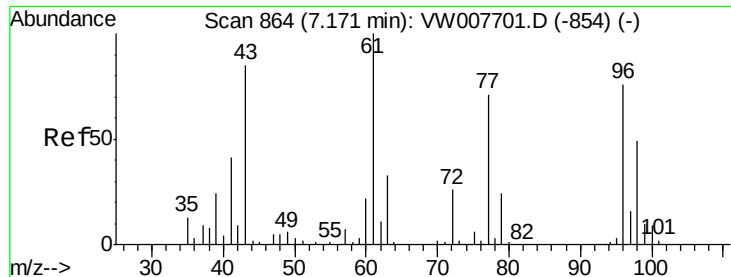
Ion Ratio Lower Upper

63 100

98 6.5 3.6 10.9

100 4.8 2.5 7.5





#25

2-Butanone

Concen: 337.701 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion: 43 Resp: 54830

Ion Ratio Lower Upper

43 100

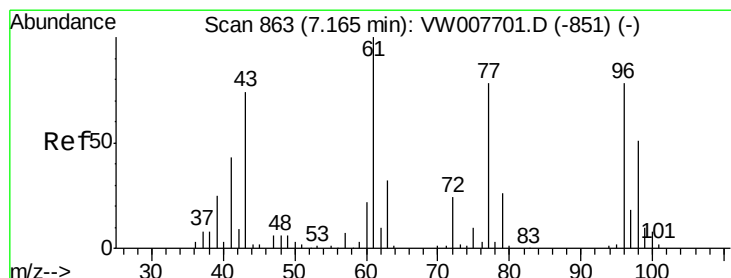
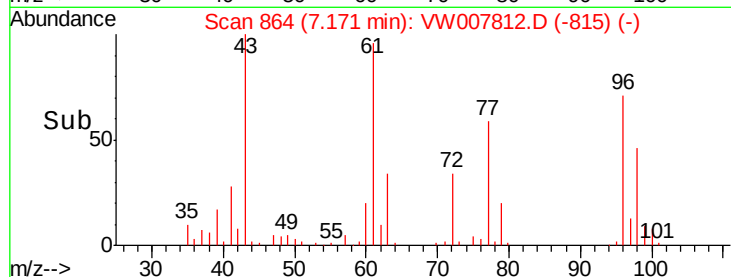
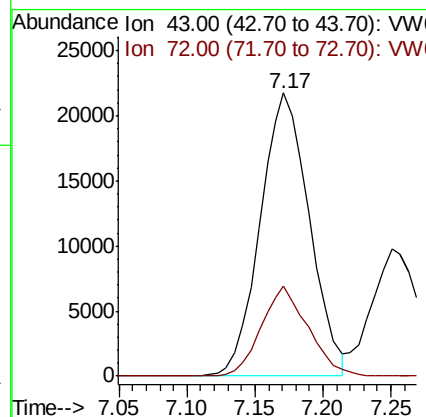
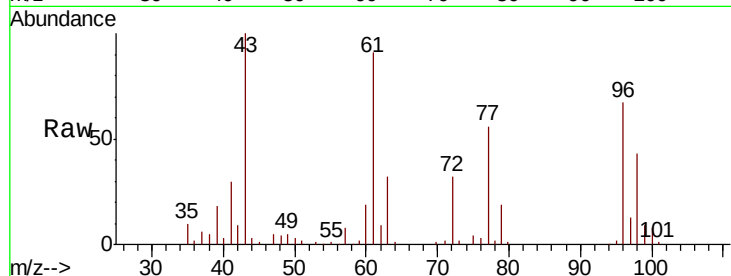
72 32.0 24.5 36.7

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#26

2,2-Dichloropropane

Concen: 43.262 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007812.D

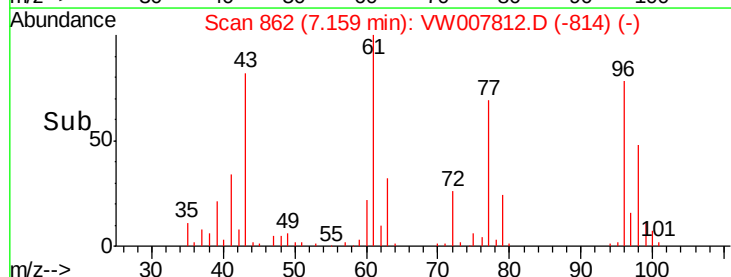
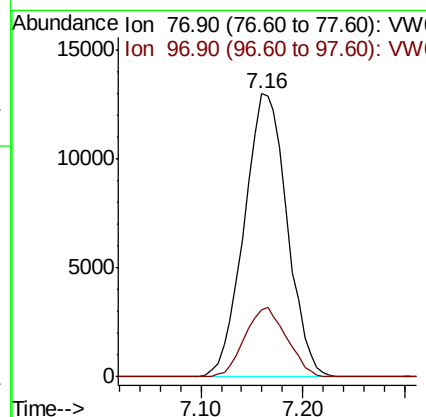
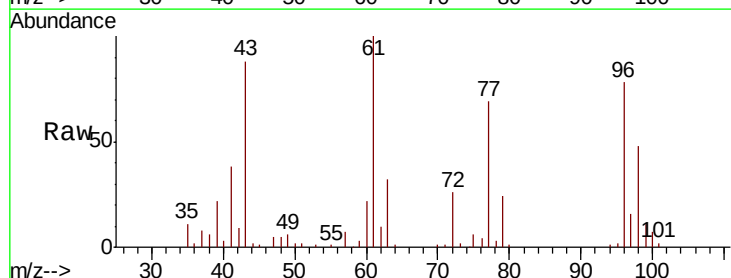
Acq: 21 Dec 2018 22:52

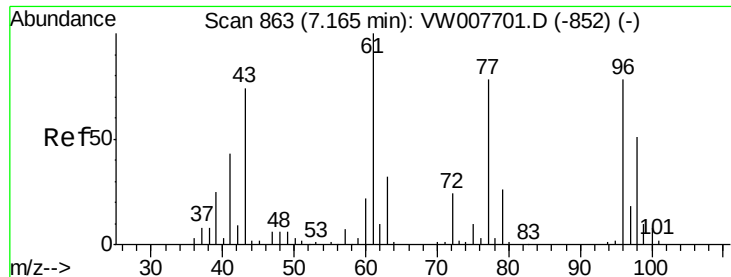
Tgt Ion: 77 Resp: 38106

Ion Ratio Lower Upper

77 100

97 23.8 11.3 33.9





#27

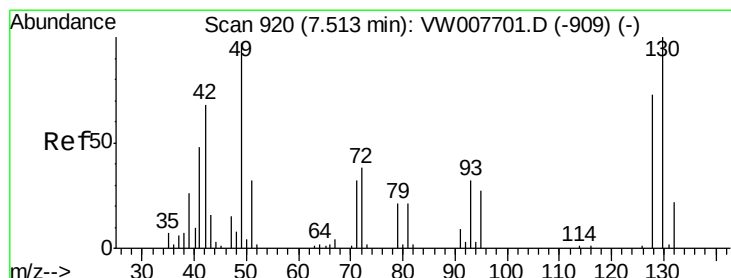
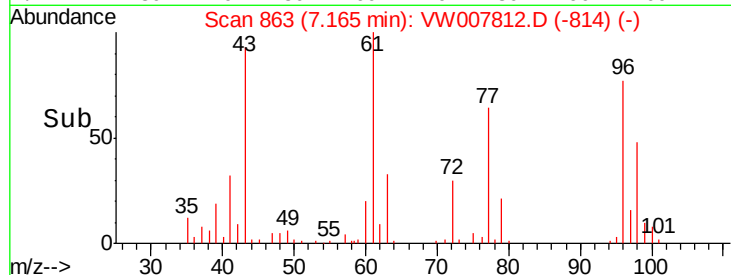
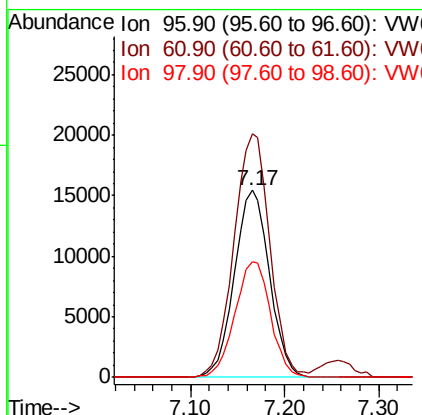
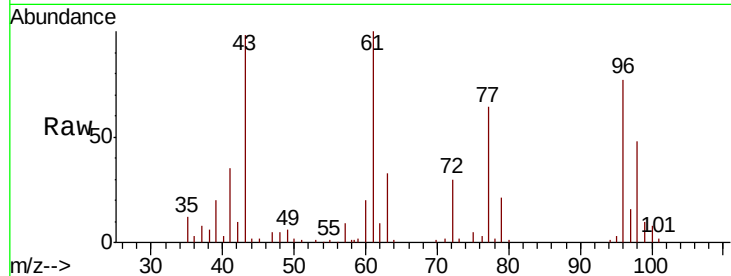
cis-1,2-Dichloroethene
Concen: 51.478 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	0.0	271.6
98	62.7	0.0	131.2

Manual Integrations
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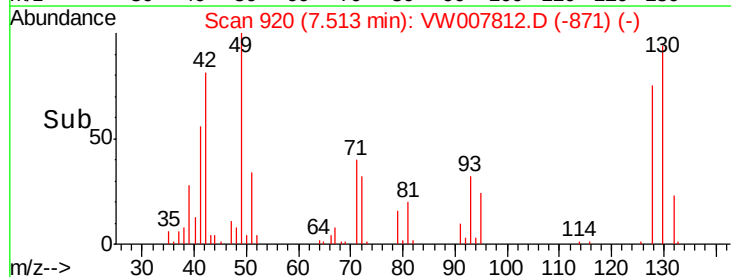
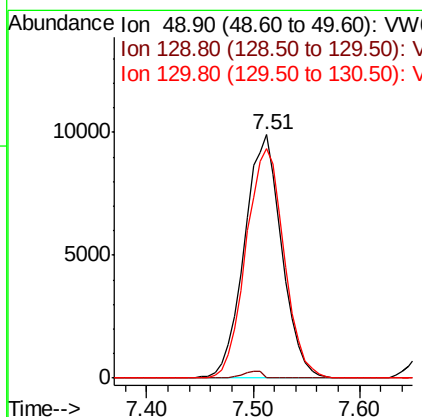
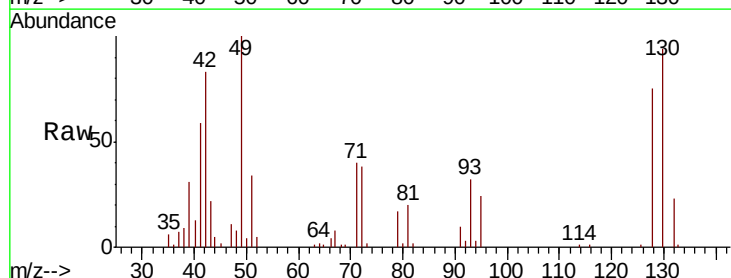
MMDadoda
12/26/2018 10:59:29 AM

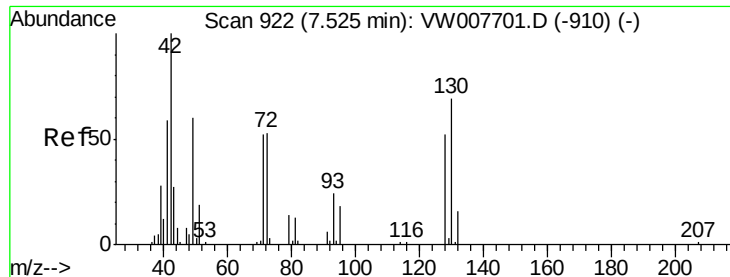


#28

Bromochloromethane
Concen: 59.340 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.2
130	95.9	81.5	122.3





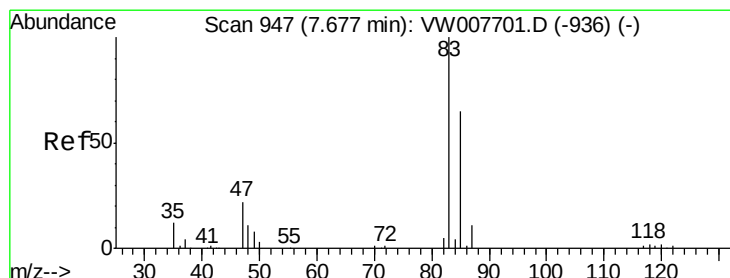
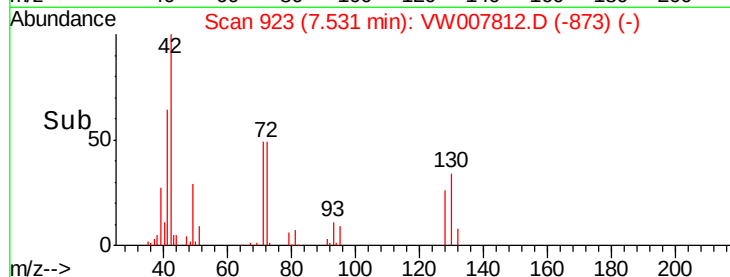
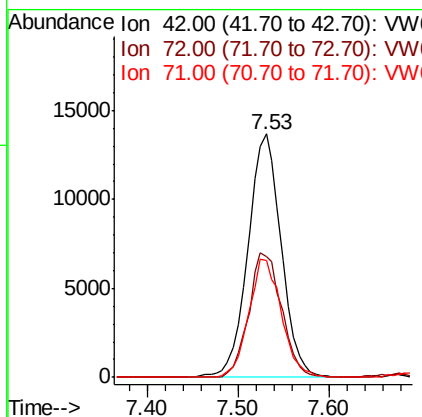
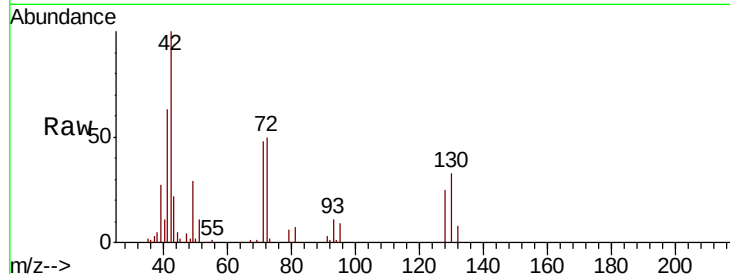
#29
Tetrahydrofuran
Concen: 357.782 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	41.7	62.5
71	47.6	39.0	58.6

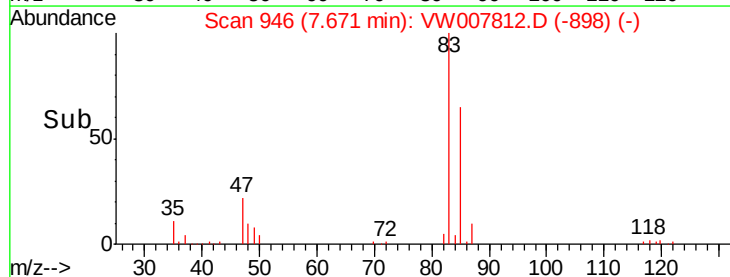
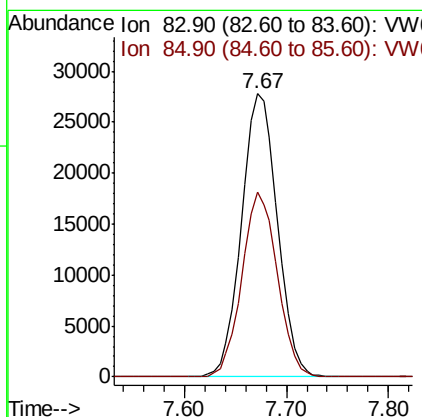
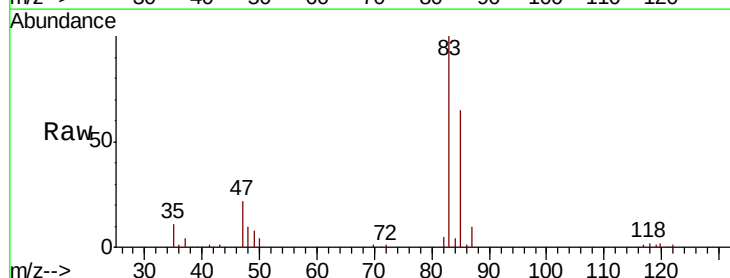
Manual Integrations
APPROVED

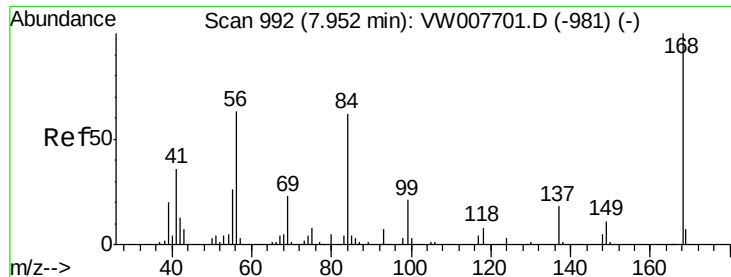
MMDadoda
12/26/2018 10:59:29 AM



#30
Chloroform
Concen: 49.844 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.2





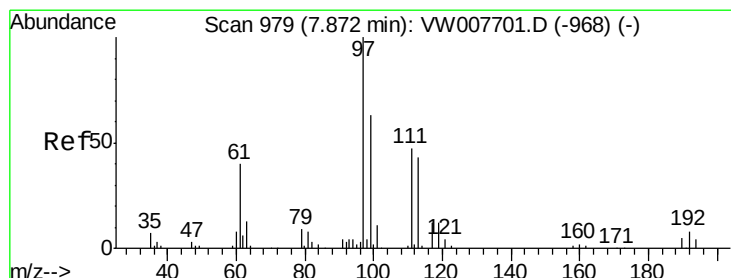
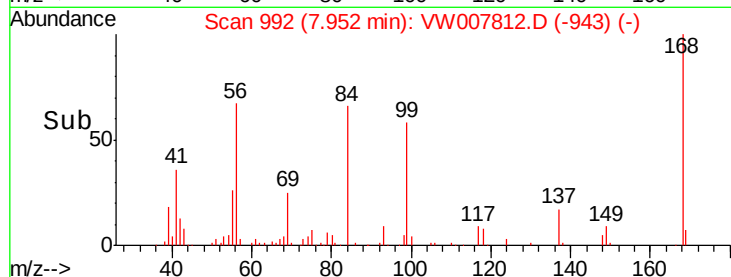
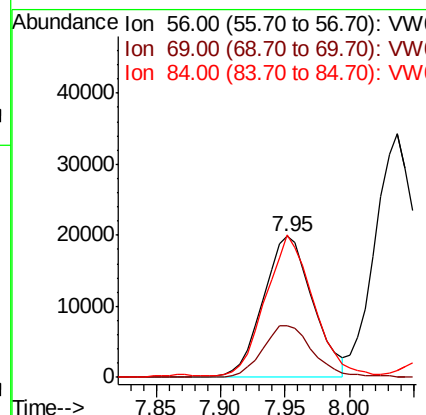
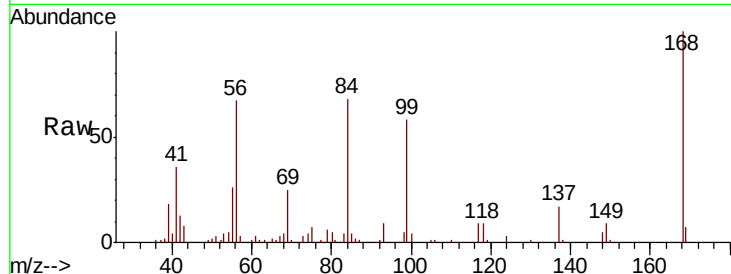
#31
Cyclohexane
Concen: 48.188 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.7	29.7	44.5	
84	99.8	78.9	118.3	

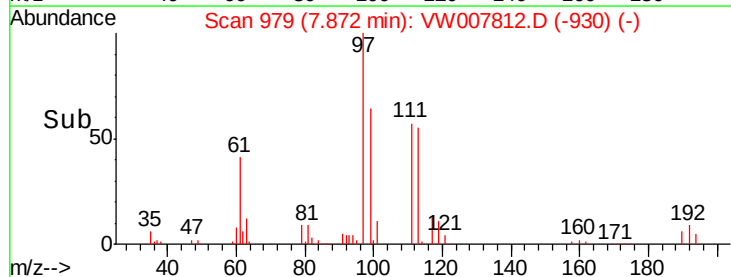
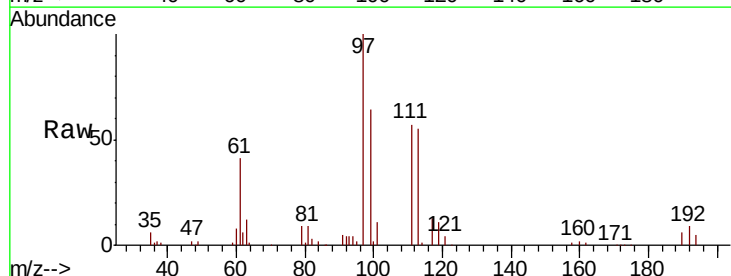
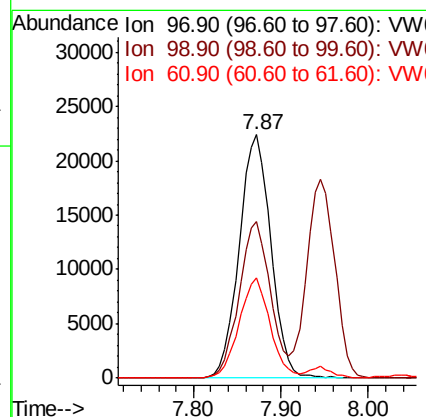
Manual Integrations
APPROVED

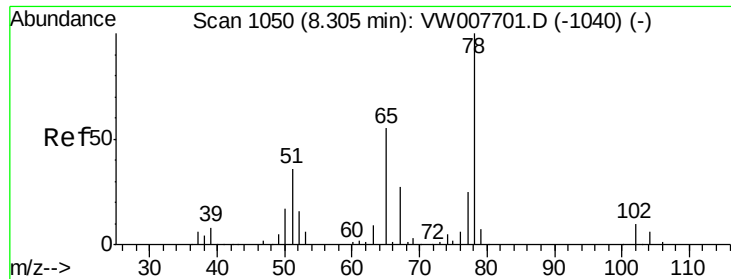
MMDadoda
12/26/2018 10:59:29 AM



#32
1,1,1-Trichloroethane
Concen: 45.402 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.7	50.6	76.0	
61	40.5	32.3	48.5	





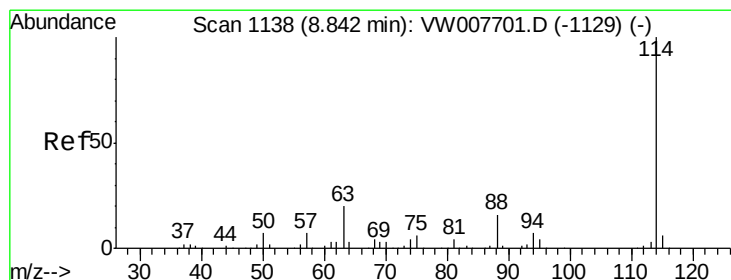
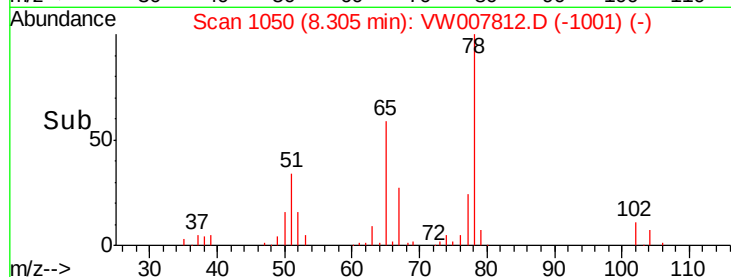
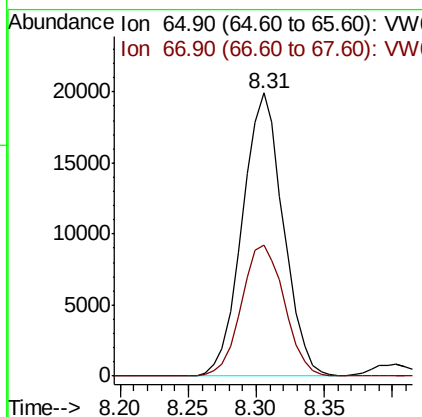
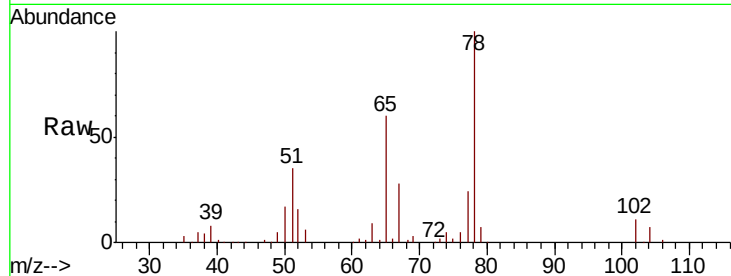
#33
 1,2-Dichloroethane-d4
 Concen: 56.868 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	42096		
67	48.4	0.0	100.6	

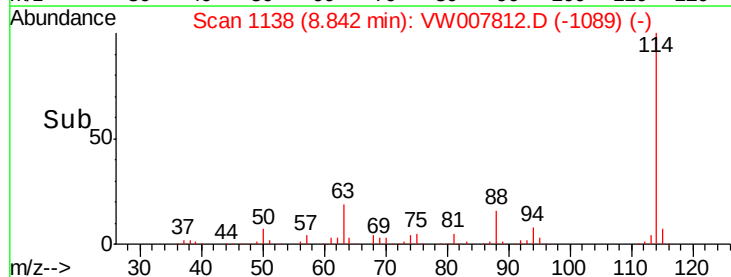
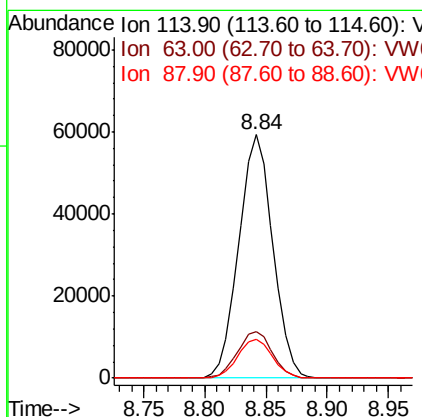
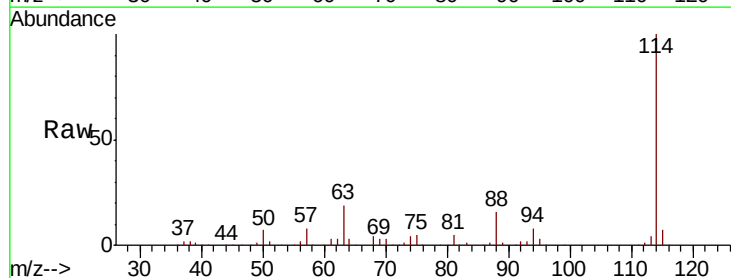
Manual Integrations
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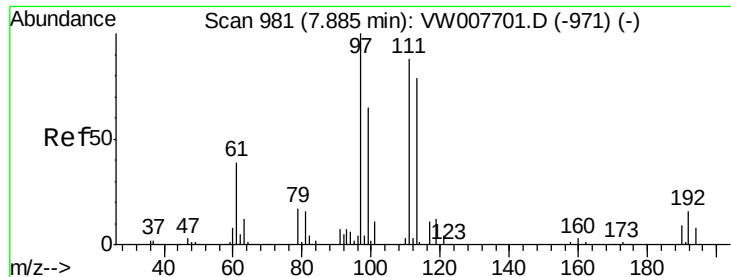
MMDadoda
 12/26/2018 10:59:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	114335		
63	19.2	0.0	40.0	
88	16.1	0.0	32.6	





#35

Dibromofluoromethane

Concen: 51.996 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

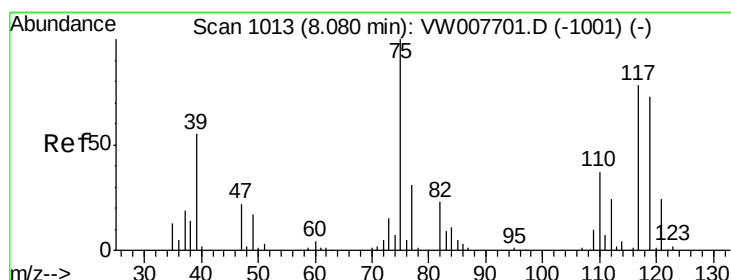
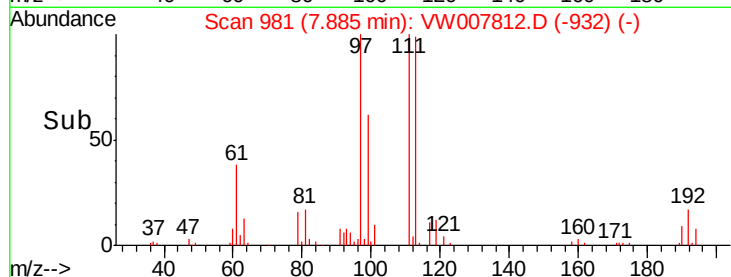
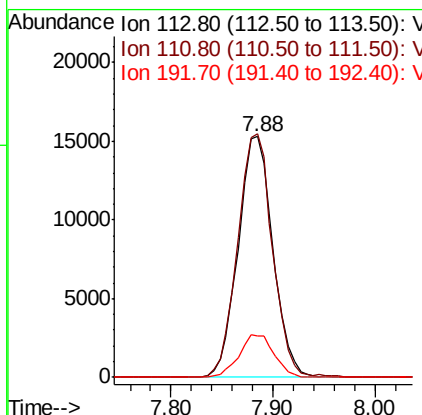
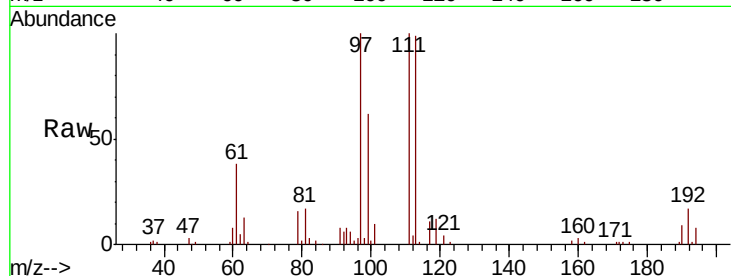
ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion:	113	Resp:	36267
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	124.0
192	17.9	15.5	23.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.457 ug/l

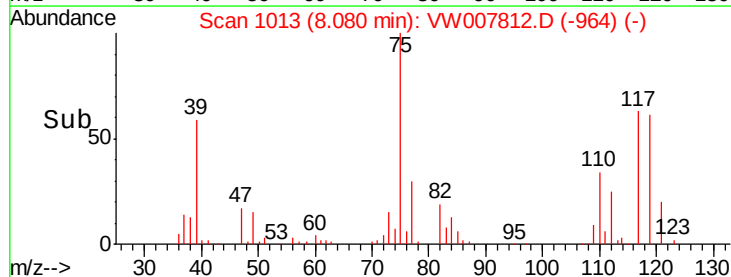
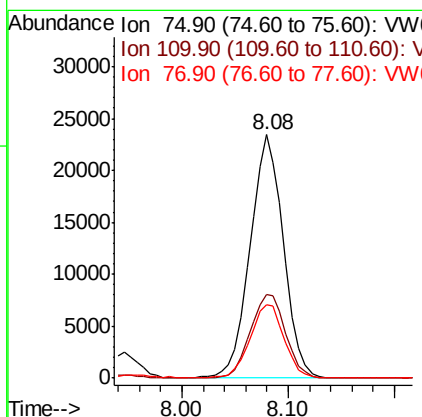
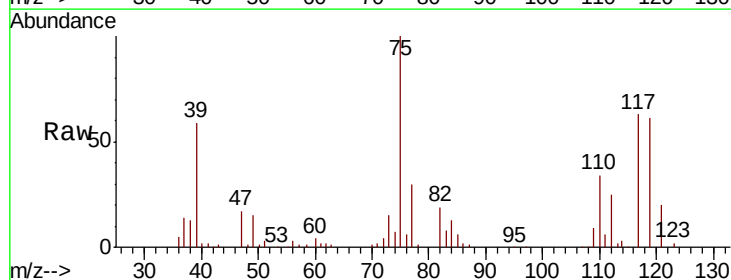
RT: 8.08 min Scan# 1013

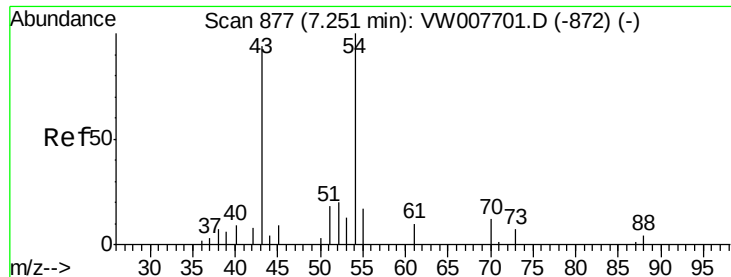
Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion:	75	Resp:	51267
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.6	55.8
77	31.2	25.0	37.4





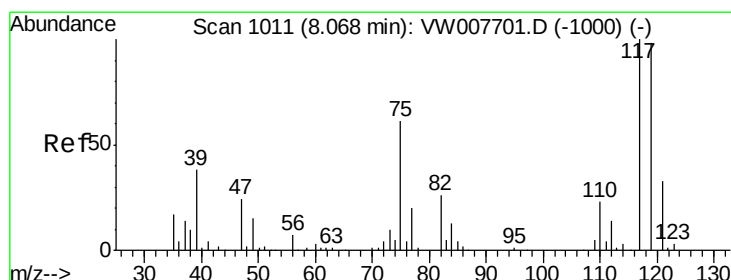
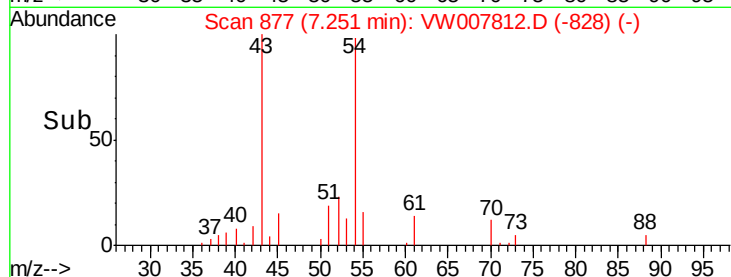
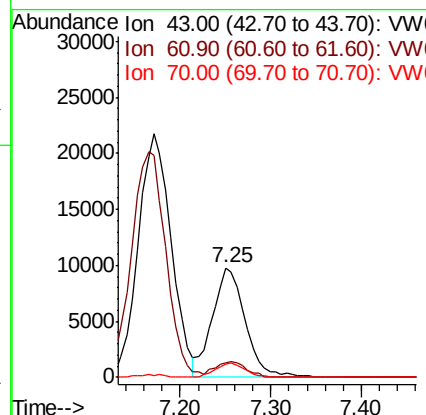
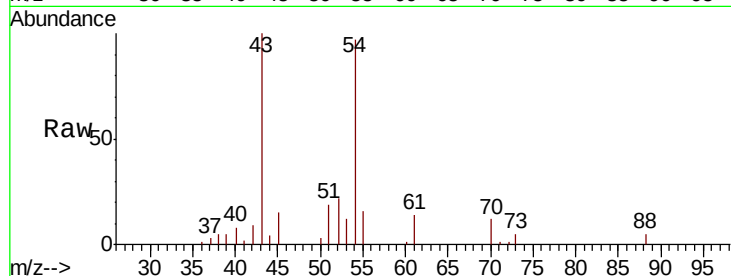
#37
Ethyl Acetate
Concen: 65.257 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.2	16.8
70	11.8	9.3	13.9

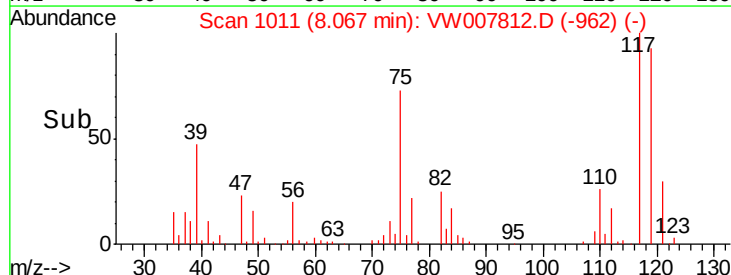
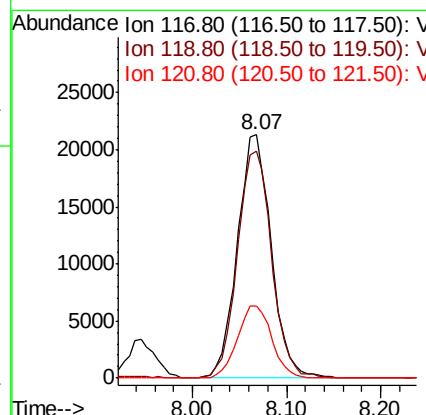
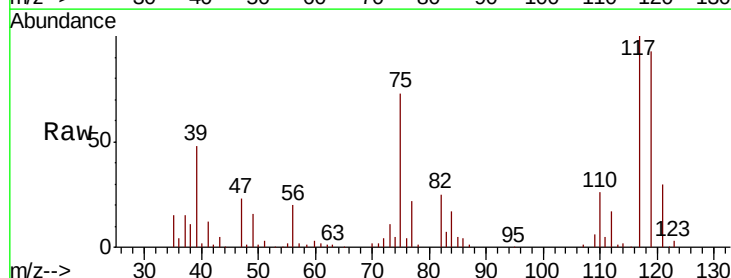
Manual Integrations
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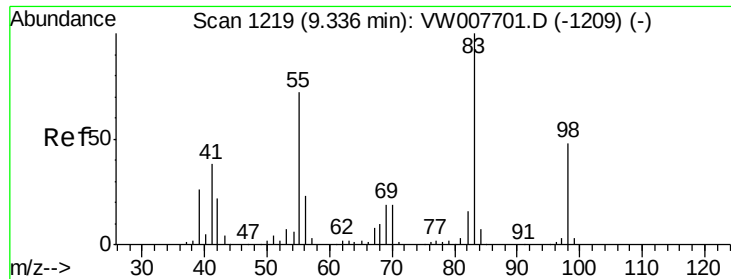
MMDadoda
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#38
Carbon Tetrachloride
Concen: 40.974 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	78.2	117.2
121	29.6	26.1	39.1





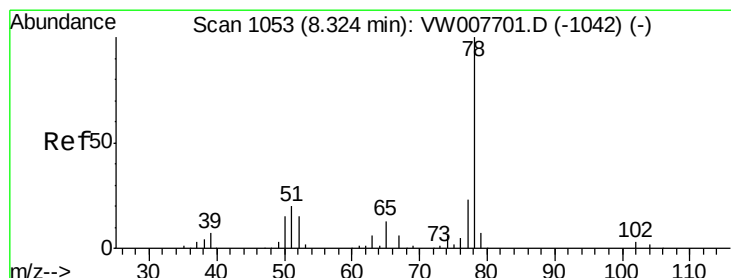
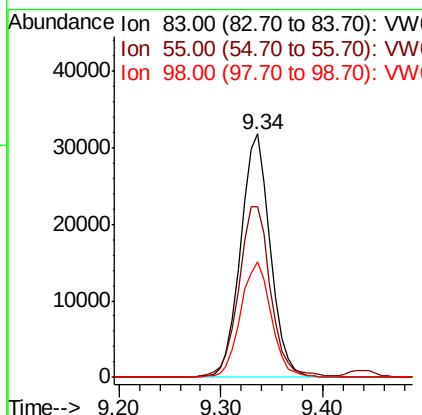
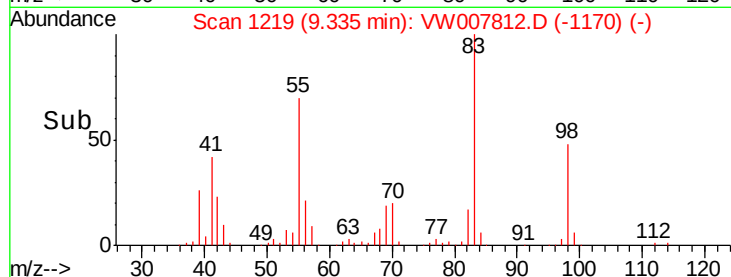
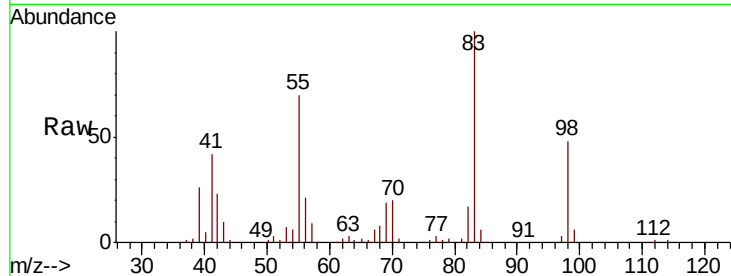
#39
Methylvlcyclohexane
Concen: 46.791 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	83	Resp	64163
Ion Ratio	100	Lower	Upper
83	100		
55	69.9	57.2	85.8
98	47.7	38.6	58.0

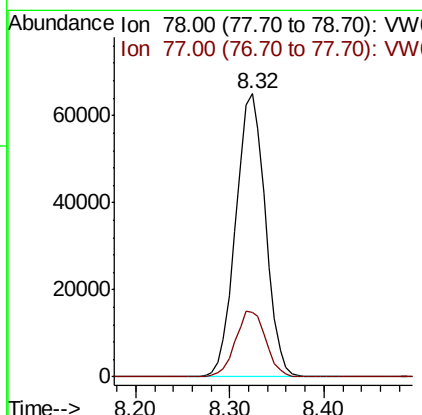
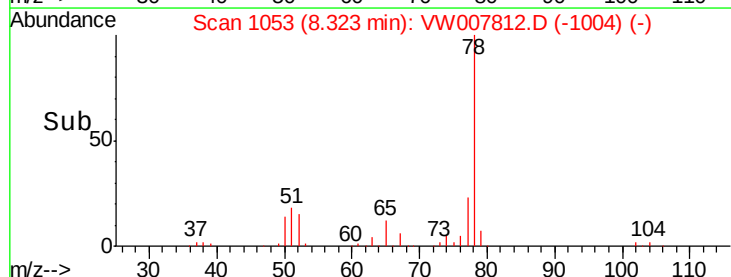
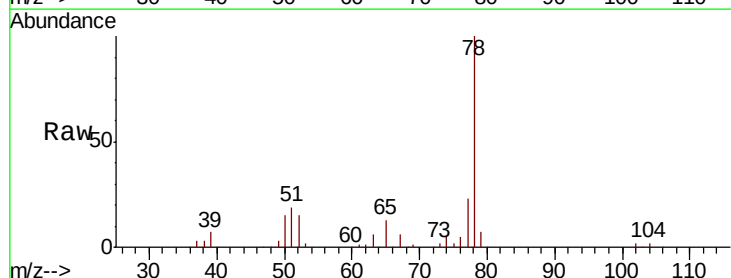
Manual Integrations
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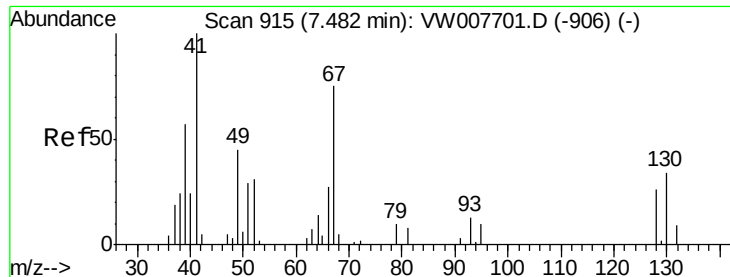
MMDadoda
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#40
Benzene
Concen: 48.373 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	78	Resp	142448
Ion Ratio	100	Lower	Upper
78	100		
77	22.8	18.7	28.1





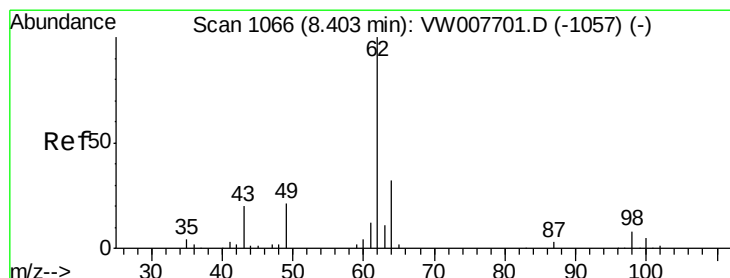
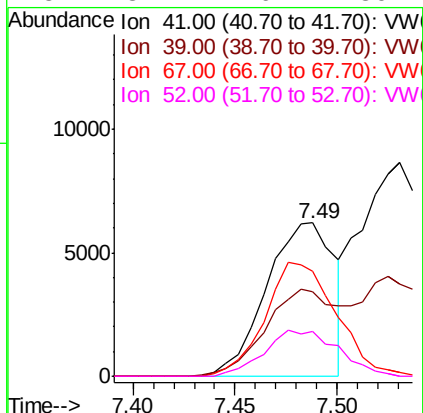
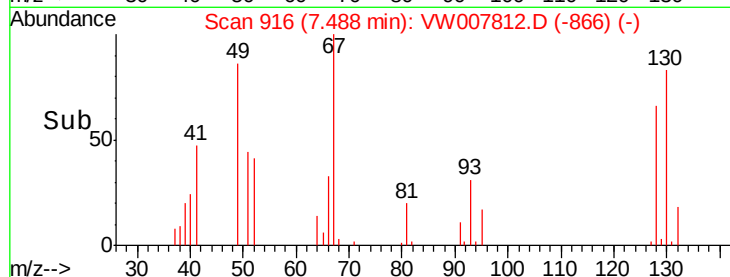
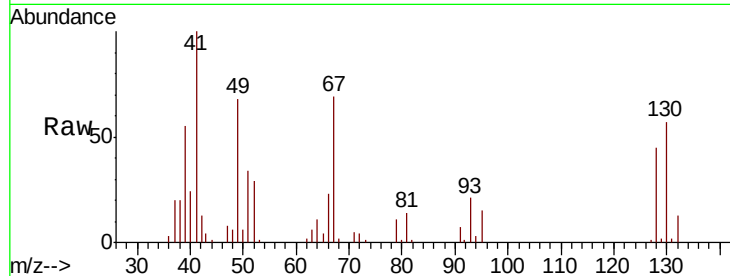
#41
Methacrylonitrile
Concen: 66.652 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion:	41	Resp:	14412
Ion	Ratio	Lower	Upper
41	100		
39	57.2	54.2	81.4
67	77.4	65.7	98.5
52	32.4	26.2	39.4

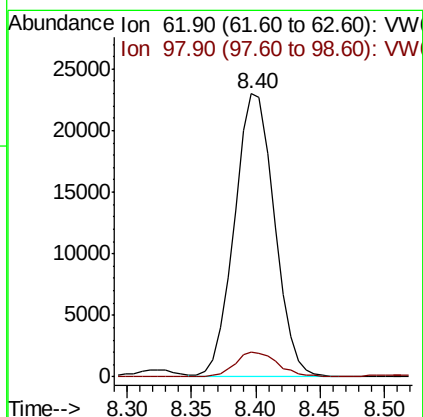
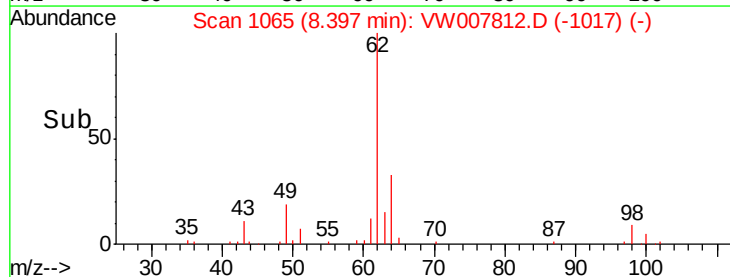
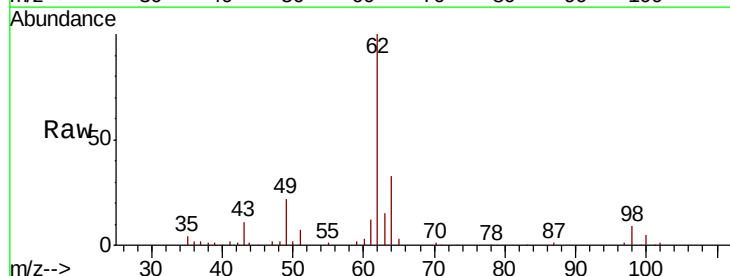
Manual Integrations
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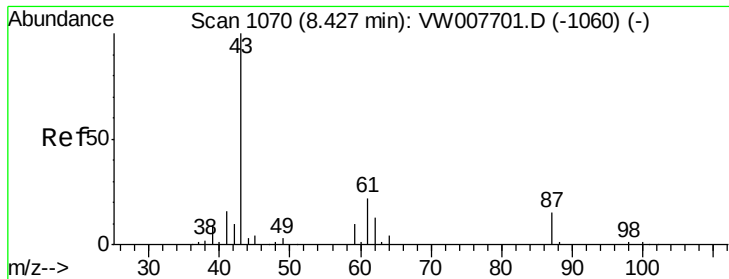
MMDadoda
12/26/2018 10:59:29 AM



#42
1,2-Dichloroethane
Concen: 50.312 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:	62	Resp:	49651
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.6





#43

Isopropyl Acetate

Concen: 67.413 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

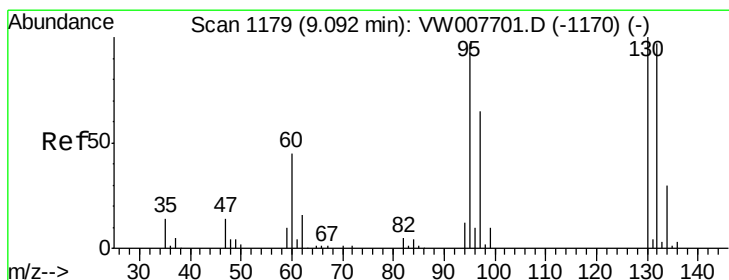
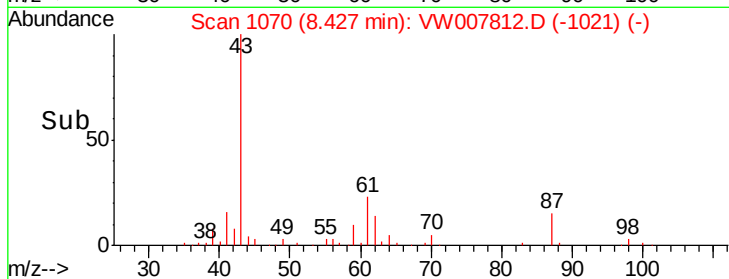
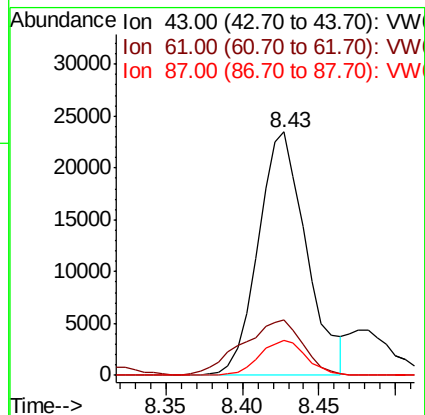
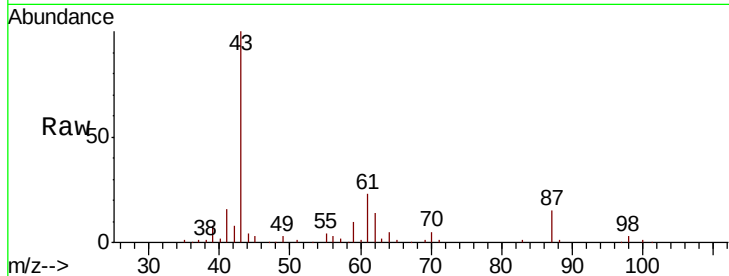
ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion:	43	Resp:	51437
Ion	Ratio	Lower	Upper
43	100		
61	28.7	26.3	39.5
87	13.8	12.0	18.0

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#44

Trichloroethene

Concen: 45.461 ug/l

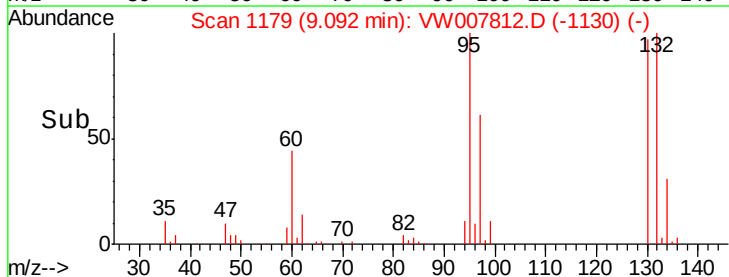
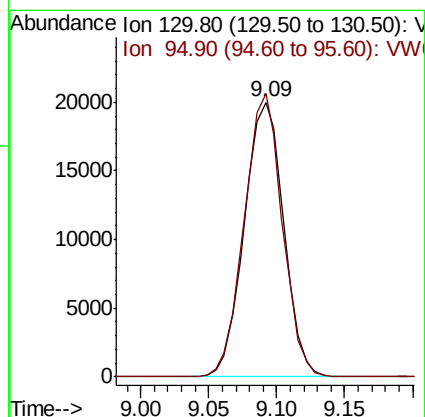
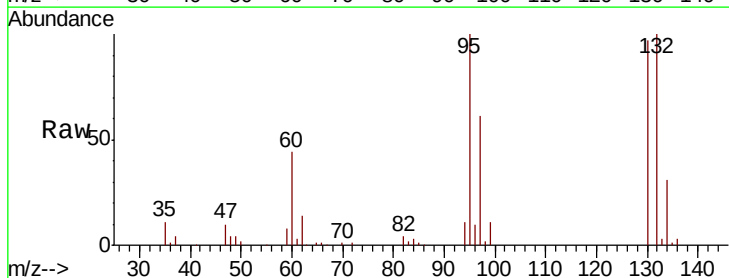
RT: 9.09 min Scan# 1179

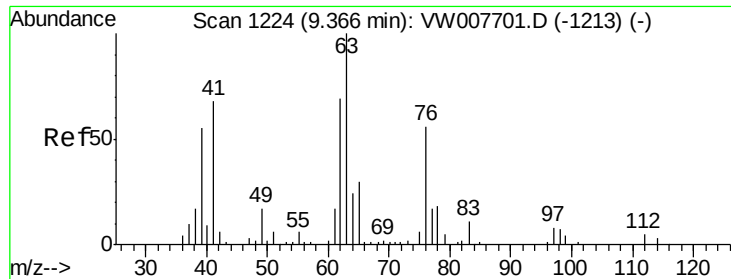
Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion:	130	Resp:	40485
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	194.8





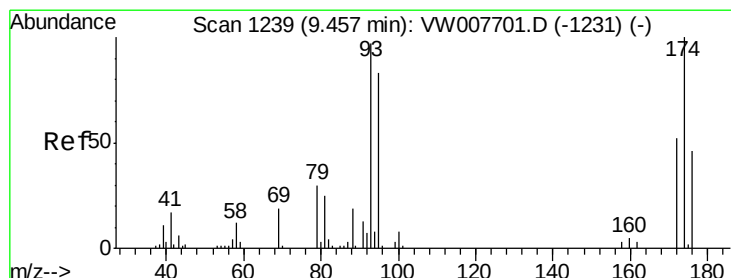
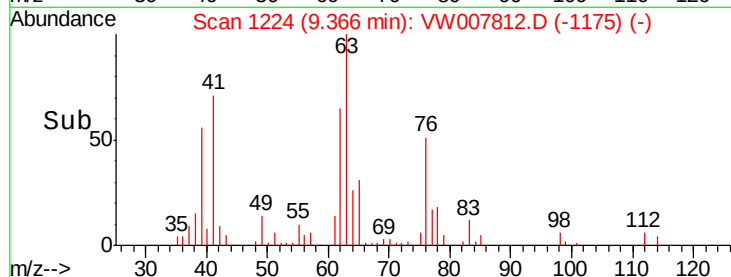
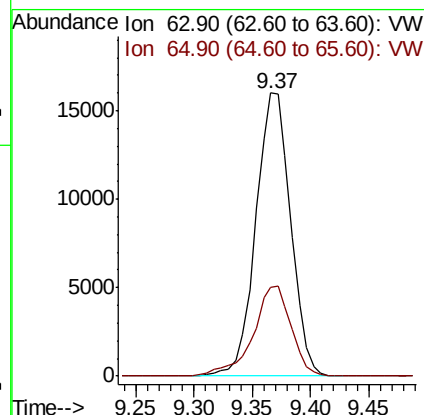
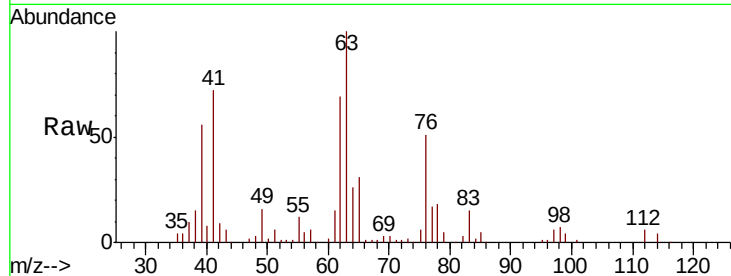
#45
 1,2-Dichloropropane
 Concen: 50.715 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion: 63 Resp: 33138
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.8 35.8

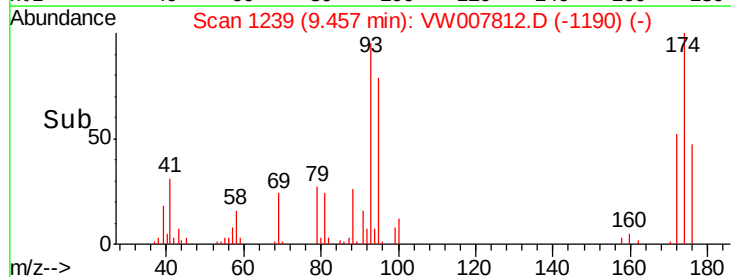
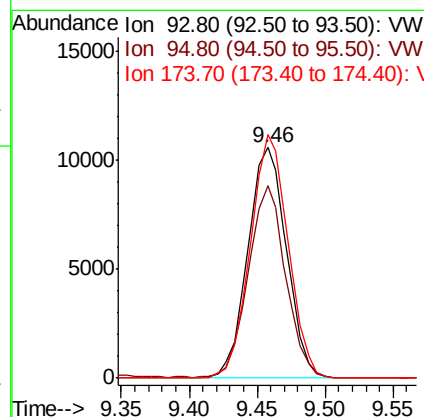
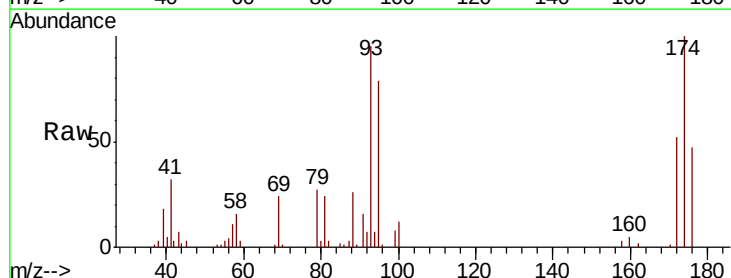
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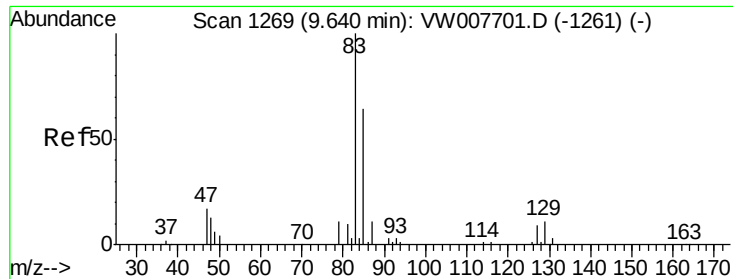
MMDadoda
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#46
 Dibromomethane
 Concen: 52.433 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 93 Resp: 21090
 Ion Ratio Lower Upper
 93 100
 95 80.7 67.5 101.3
 174 103.0 83.9 125.9





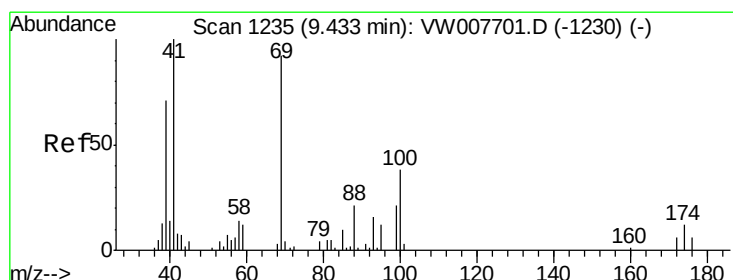
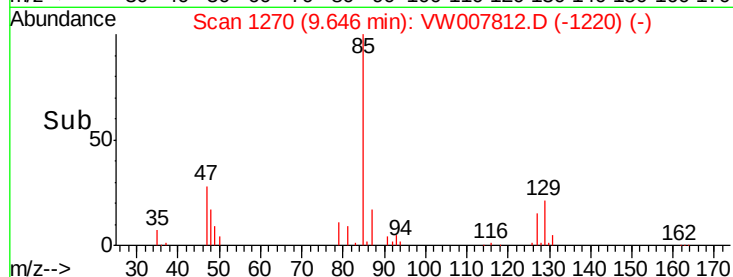
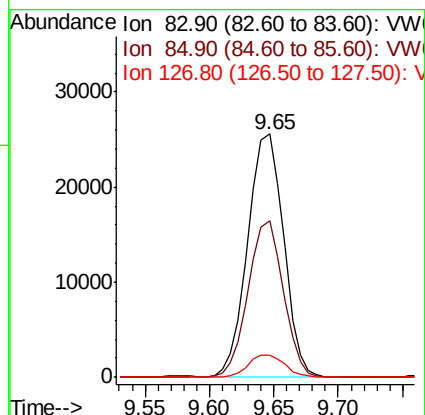
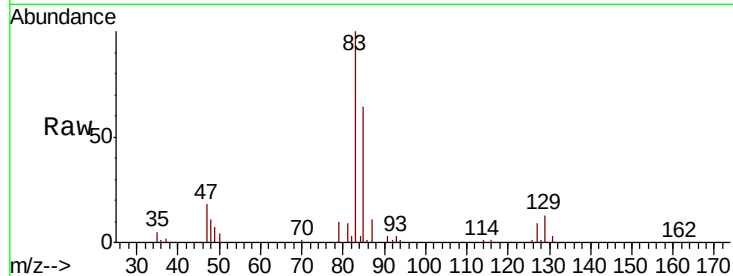
#47
Bromodichloromethane
Concen: 46.856 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	49546		
85	64.1		51.4	77.0
127	9.4		7.5	11.3

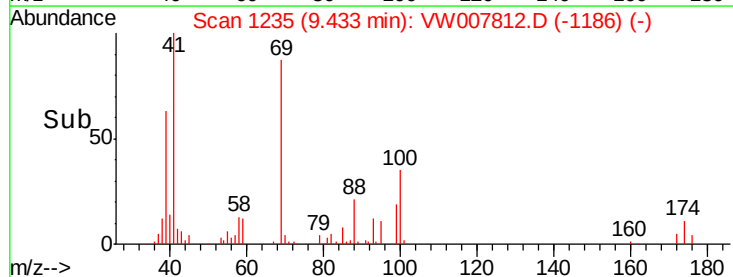
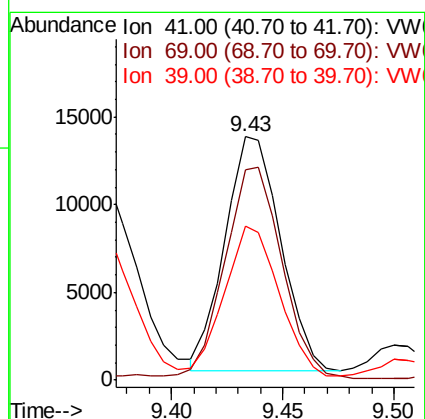
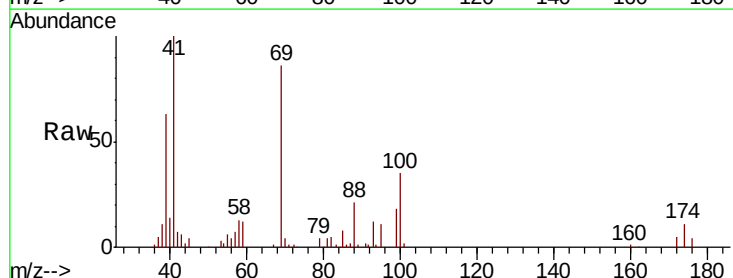
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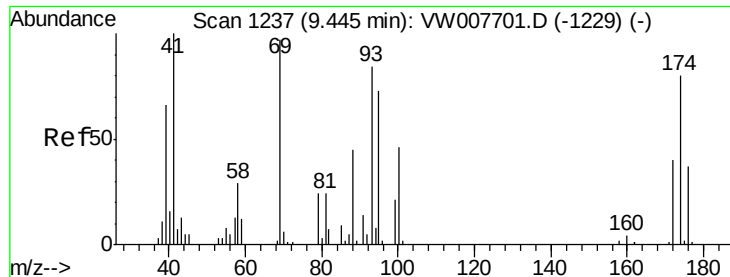
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#48
Methyl methacrylate
Concen: 61.109 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	23274		
69	95.0		74.2	111.2
39	67.7		53.9	80.9





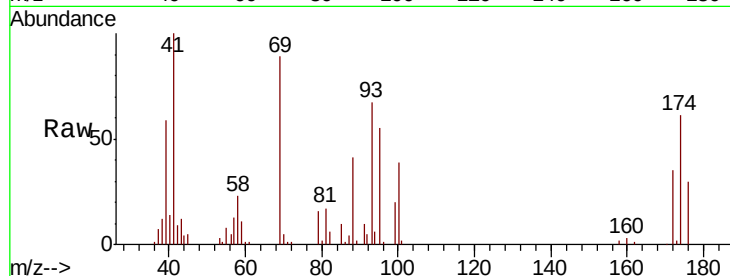
#49
1,4-Dioxane
Concen: 1314.234 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	88	Resp	8381
Ion Ratio	Lower	Upper	
88	100		
43	30.6	25.6	38.4
58	66.3	52.3	78.5

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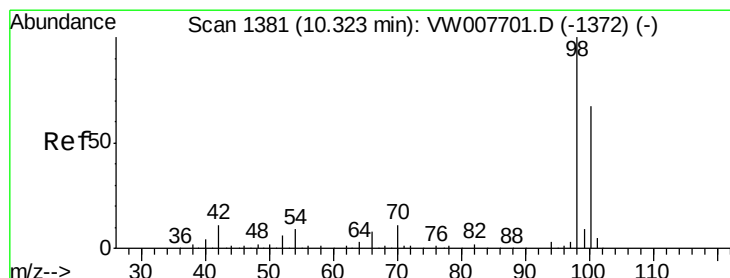
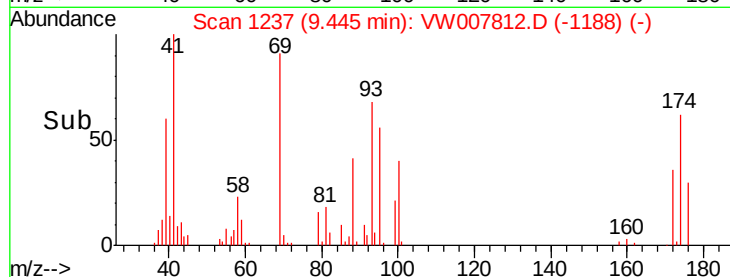
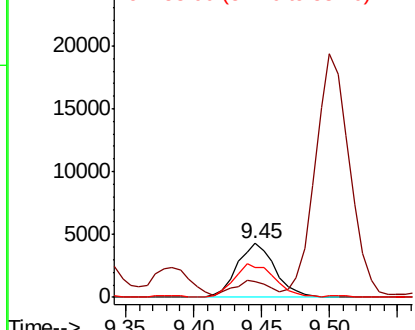


Abundance

Ion 88.00 (87.70 to 88.70): VW

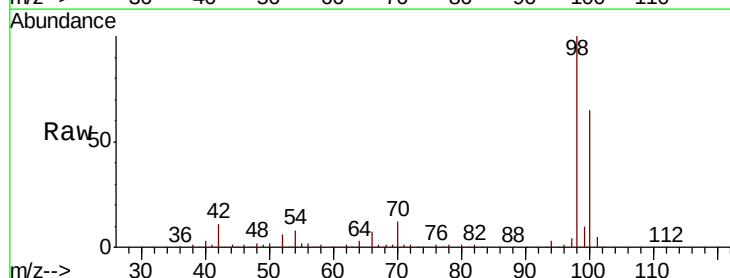
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 51.324 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

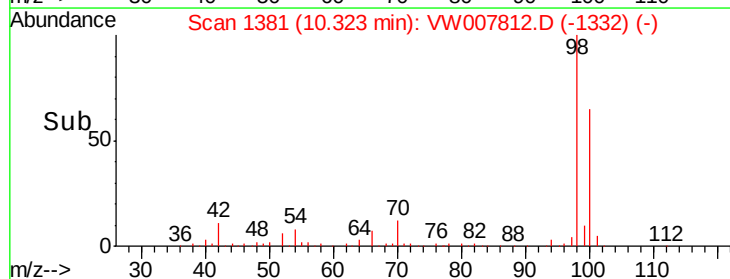
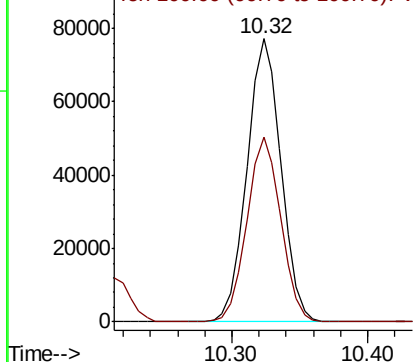
Tgt Ion	98	Resp	134955
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.2	78.2

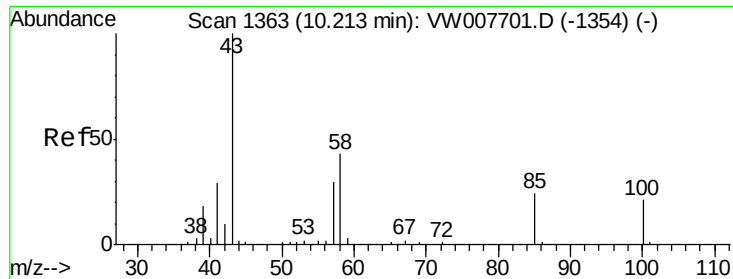


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 330.184 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion: 43 Resp: 119063

Ion Ratio Lower Upper

43 100

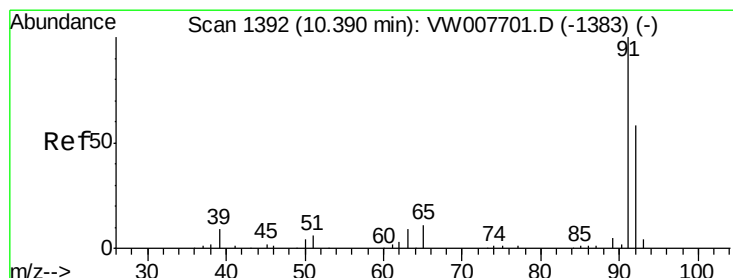
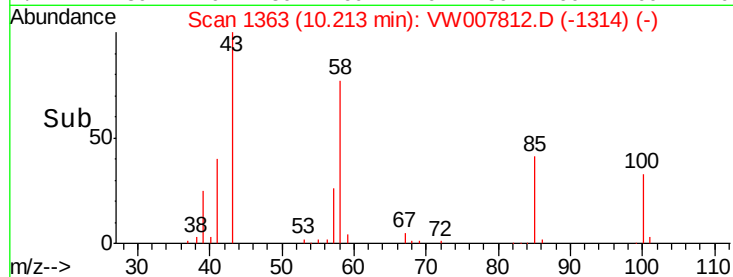
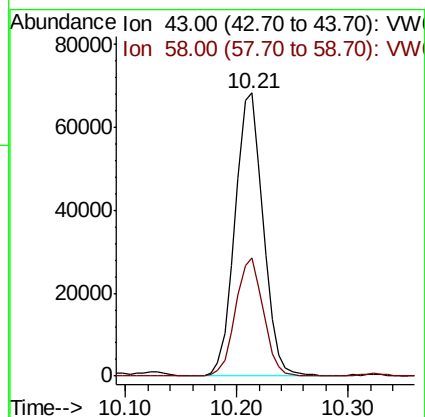
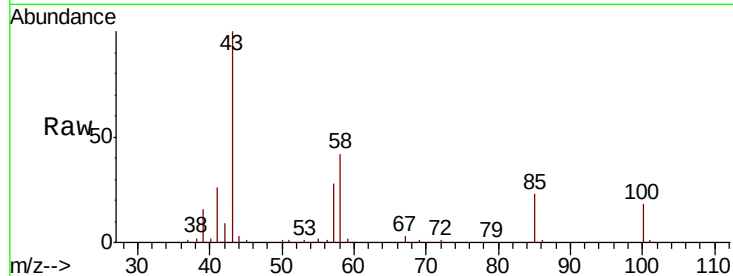
58 41.4 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 52.358 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007812.D

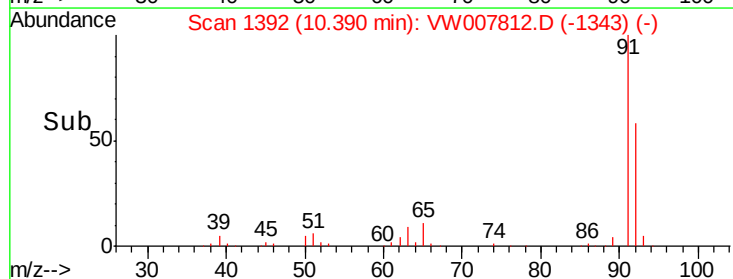
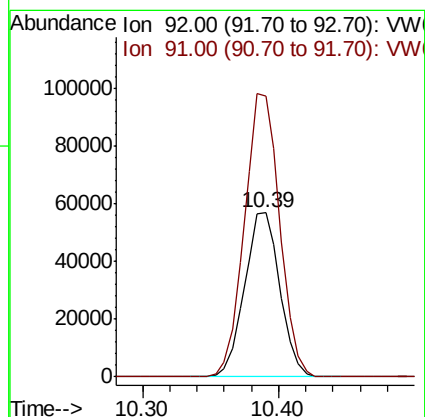
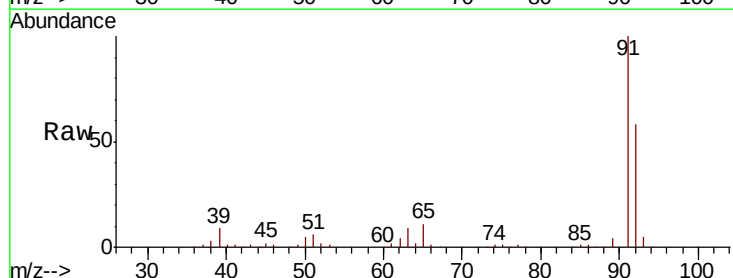
Acq: 21 Dec 2018 22:52

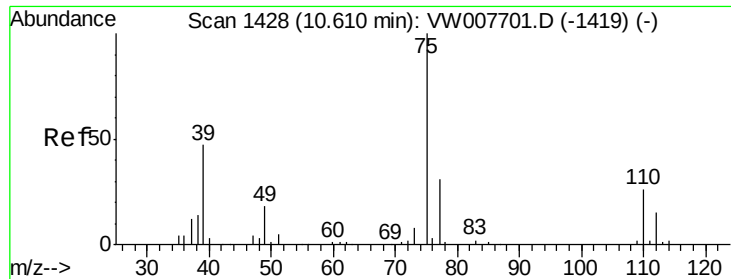
Tgt Ion: 92 Resp: 103446

Ion Ratio Lower Upper

92 100

91 172.2 137.0 205.4





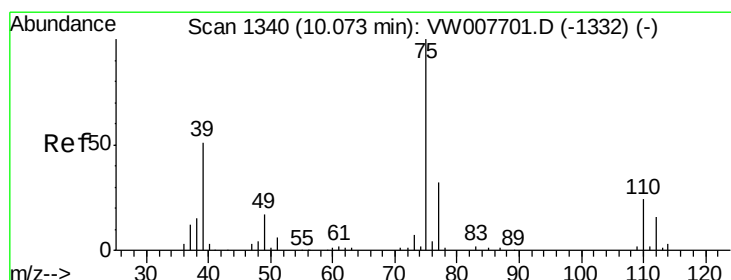
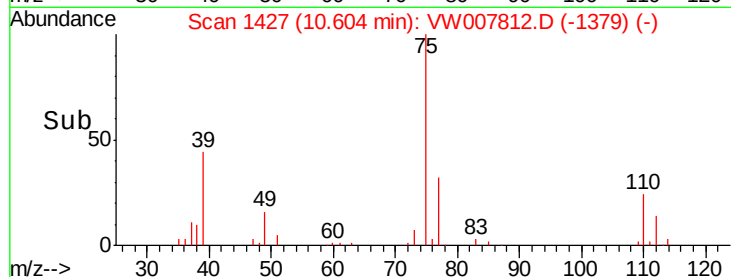
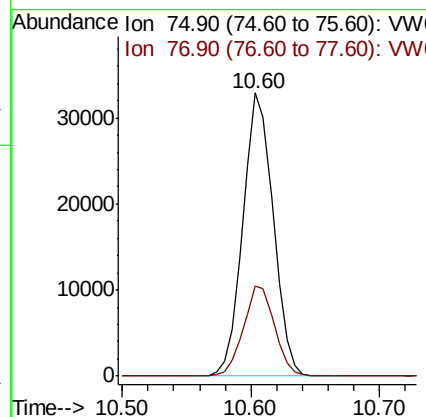
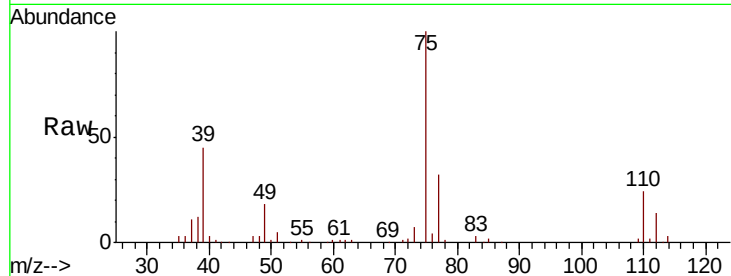
#53
 t-1,3-Dichloropropene
 Concen: 50.819 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion: 75 Resp: 53450
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8

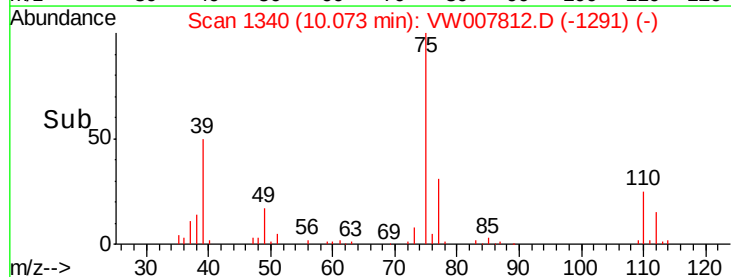
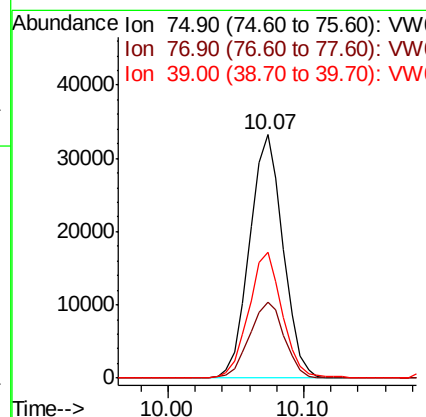
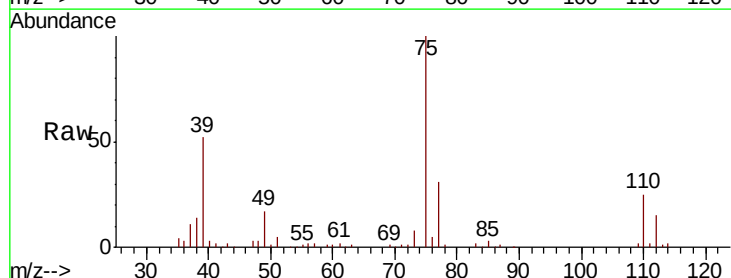
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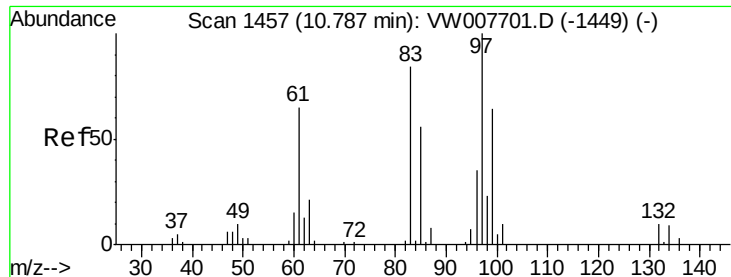
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 49.283 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 75 Resp: 57255
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.5 38.3
 39 51.6 41.2 61.8





#55

1,1,2-Trichloroethane

Concen: 56.860 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

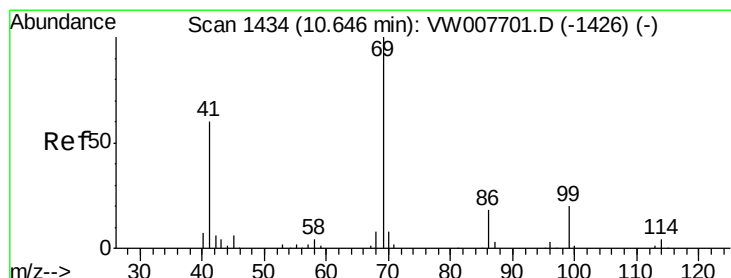
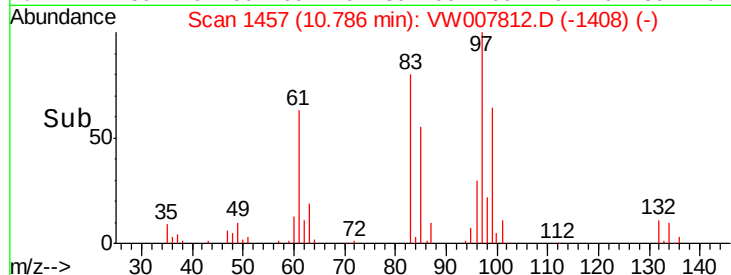
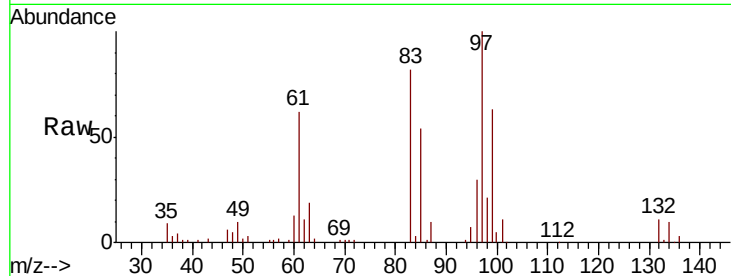
ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion:	97	Resp:	31529
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.5	101.3
85	54.2	44.8	67.2
99	63.3	51.0	76.4

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#56

Ethyl methacrylate

Concen: 60.843 ug/l

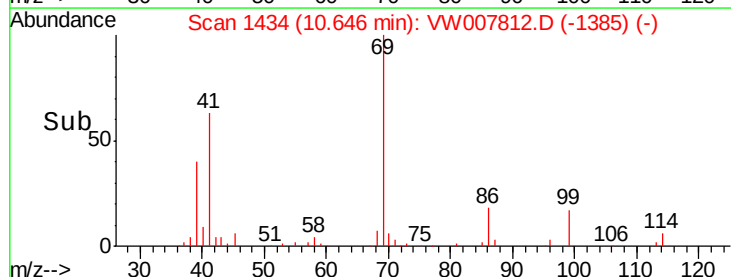
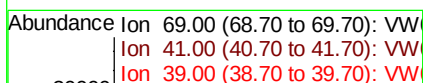
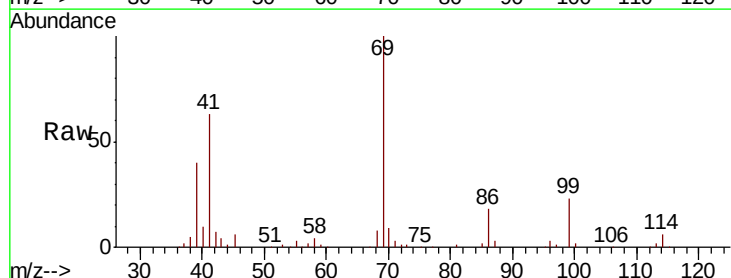
RT: 10.65 min Scan# 1434

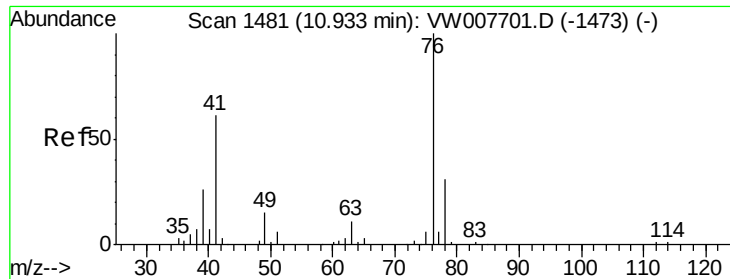
Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion:	69	Resp:	39861
Ion	Ratio	Lower	Upper
69	100		
41	64.3	48.9	73.3
39	36.5	31.3	46.9





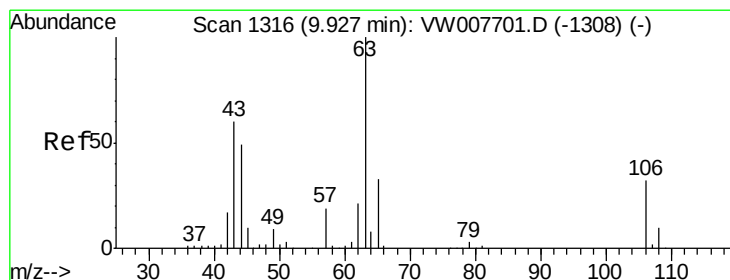
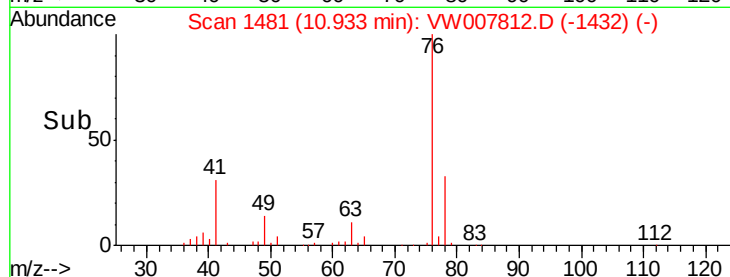
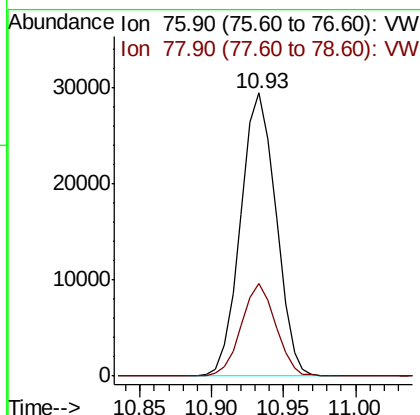
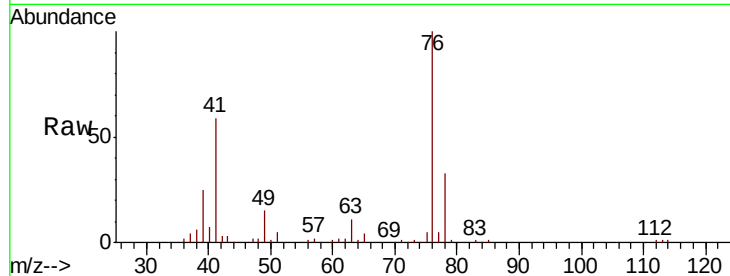
#57
 1,3-Dichloropropane
 Concen: 54.588 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion: 76 Resp: 50263
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.2

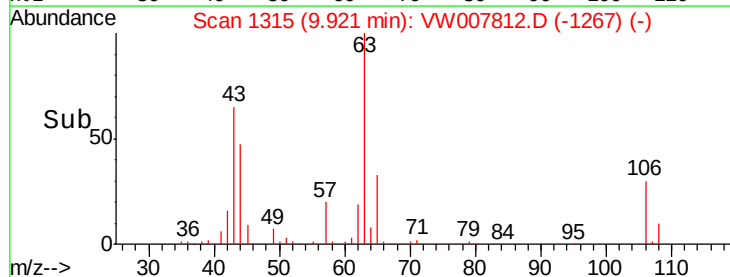
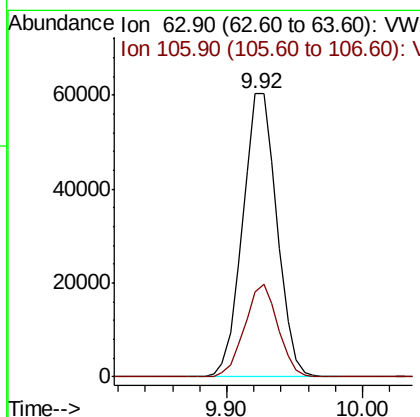
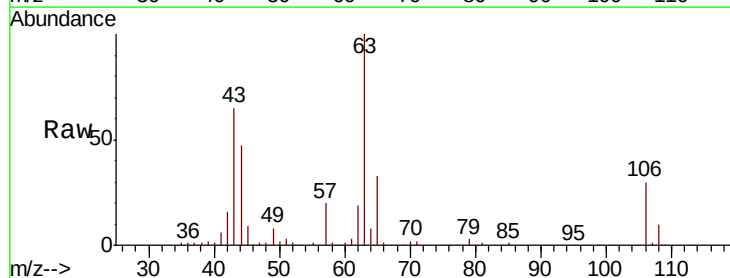
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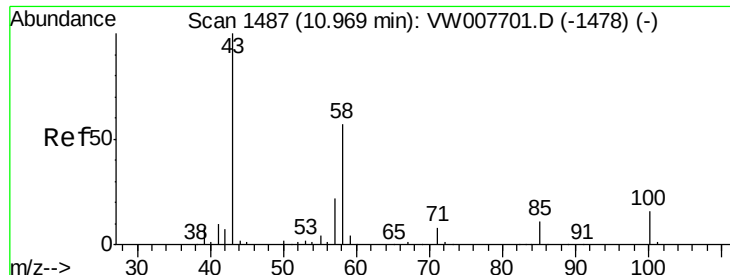
MMDadoda
 12/26/2018 10:59:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 356.422 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 63 Resp: 106614
 Ion Ratio Lower Upper
 63 100
 106 31.6 25.9 38.9





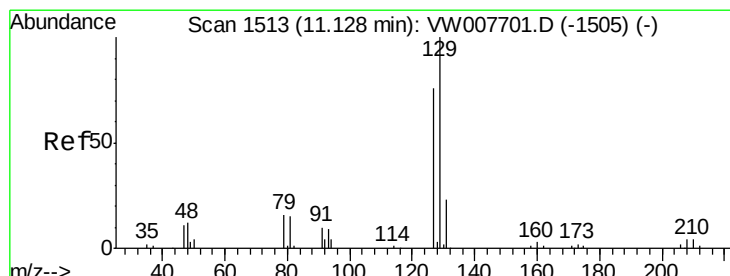
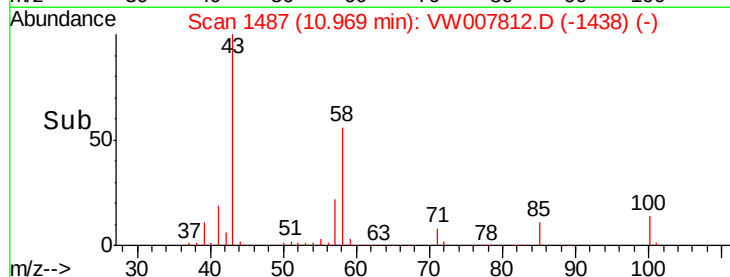
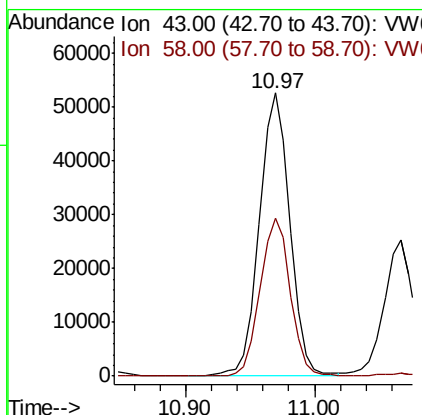
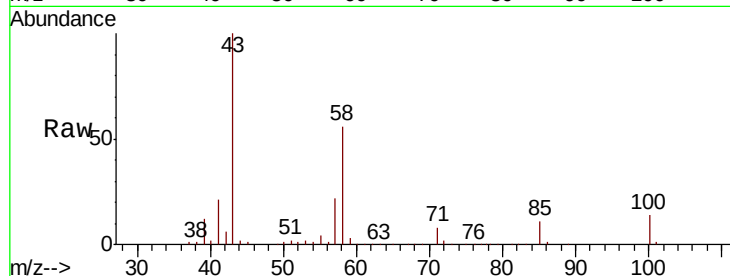
#59
2-Hexanone
Concen: 339.852 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion: 43 Resp: 86185
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

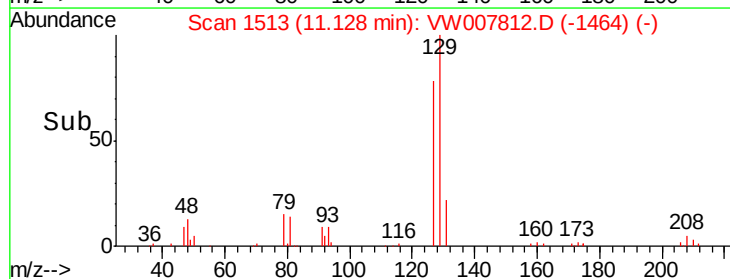
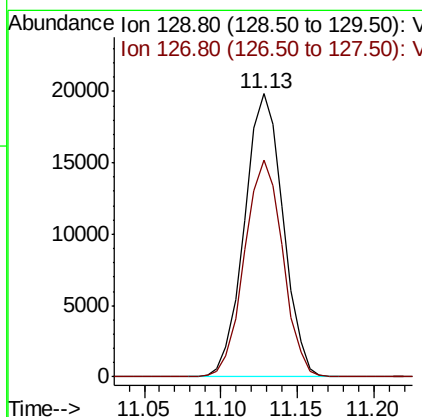
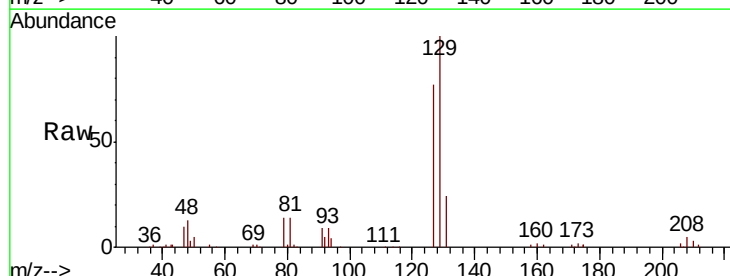
Manual Integrations
APPROVED

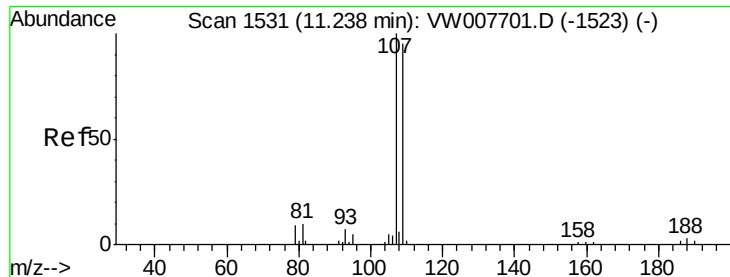
MMDadoda
12/26/2018 10:59:29 AM



#60
Dibromochloromethane
Concen: 47.502 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion: 129 Resp: 34876
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.9





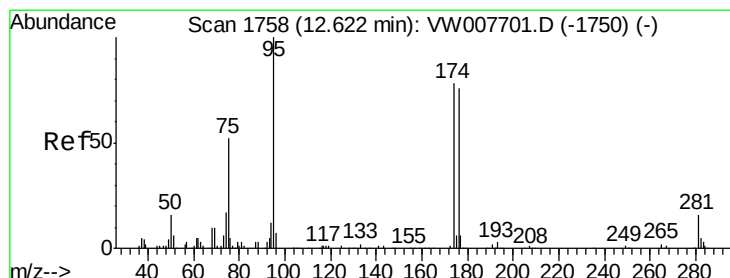
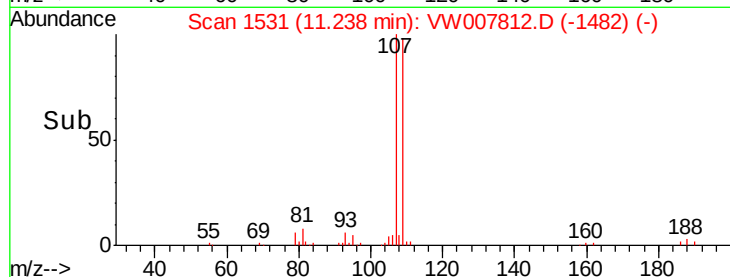
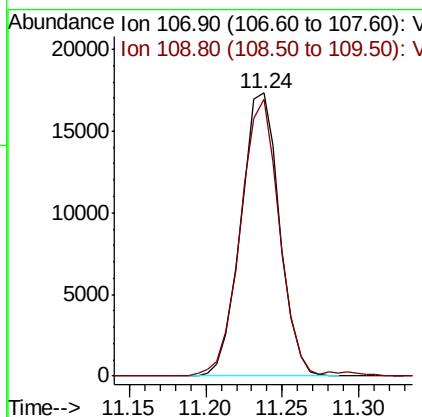
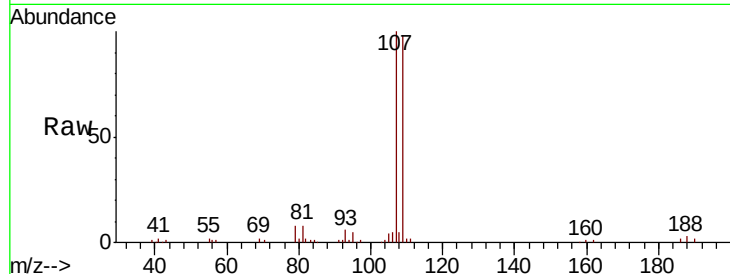
#61
 1,2-Dibromoethane
 Concen: 54.045 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion: 107 Resp: 30348
 Ion Ratio Lower Upper
 107 100
 109 98.7 75.4 113.0

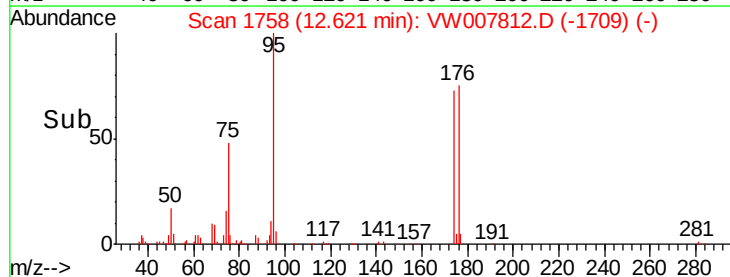
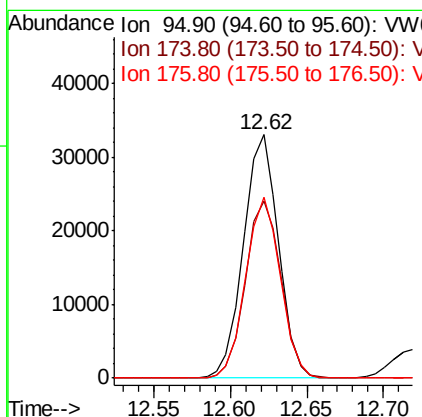
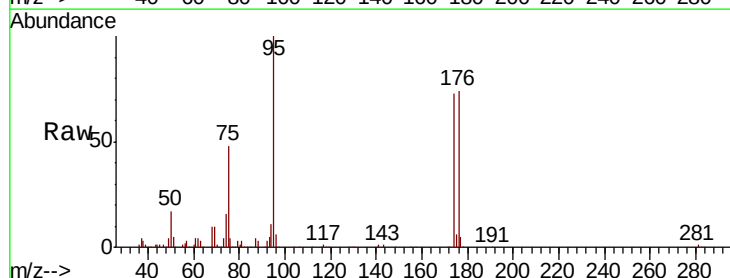
Manual Integrations
 APPROVED

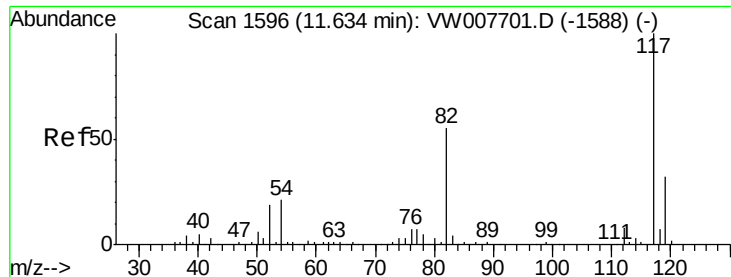
MMDadoda
 12/26/2018 10:59:29 AM



#62
 4-Bromofluorobenzene
 Concen: 51.741 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion: 95 Resp: 52560
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 152.2
 176 73.6 0.0 146.8





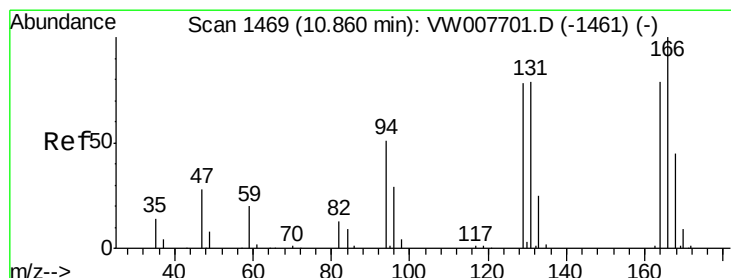
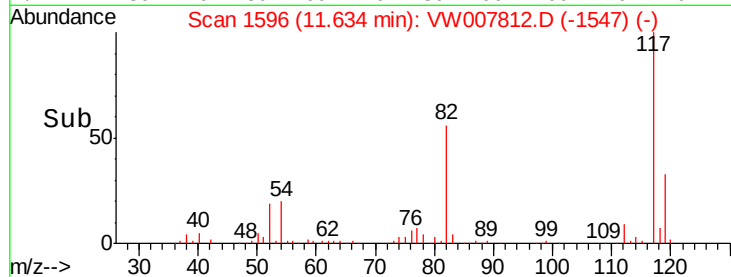
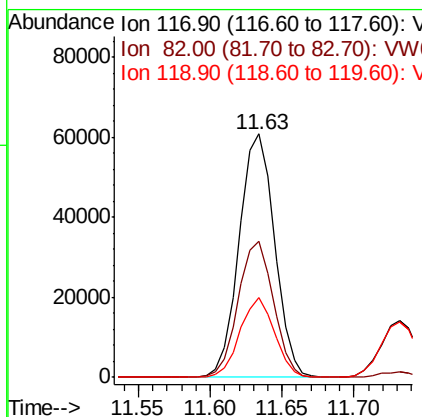
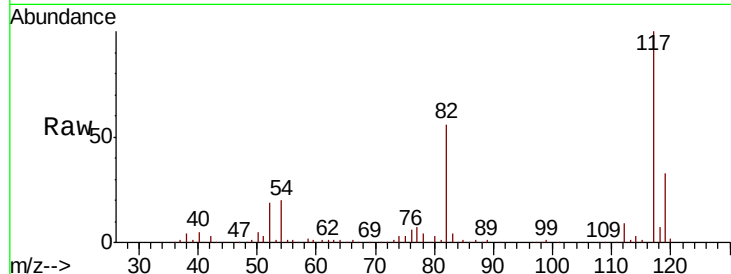
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.3	66.5
119	32.9	25.7	38.5

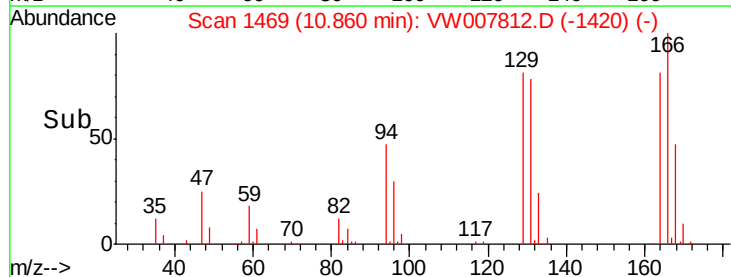
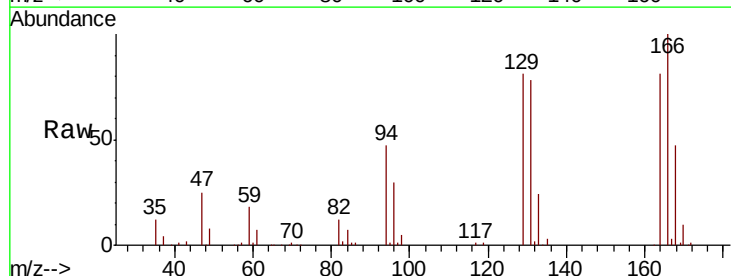
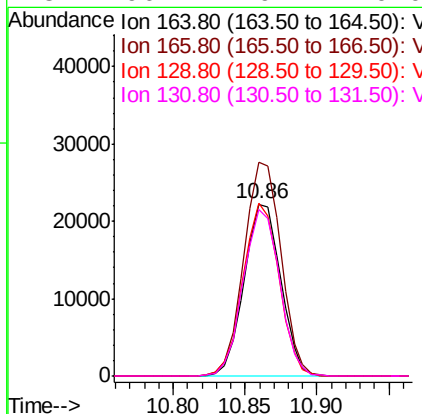
Manual Integrations
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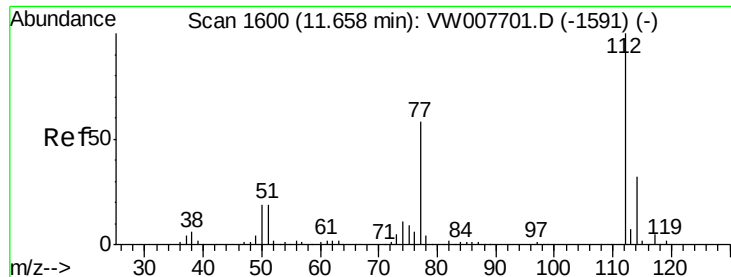
MMDadoda
12/26/2018 10:59:29 AM



#64
Tetrachloroethene
Concen: 53.200 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	101.0	151.6
129	100.3	78.7	118.1
131	96.4	79.4	119.0





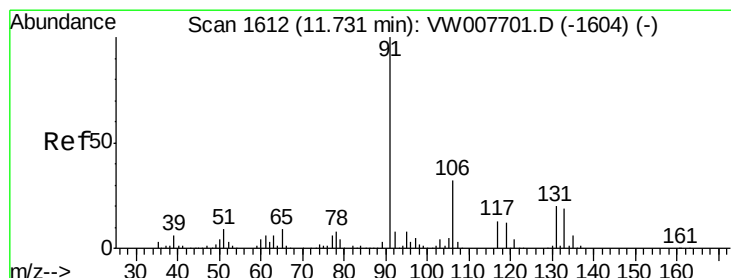
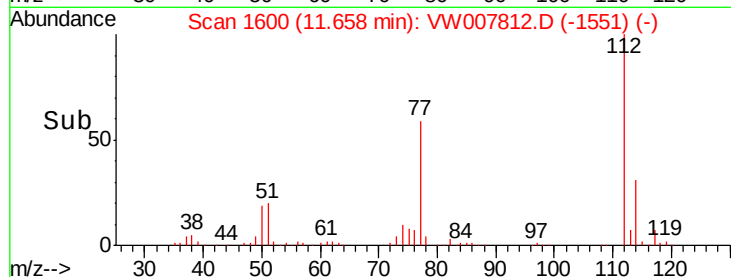
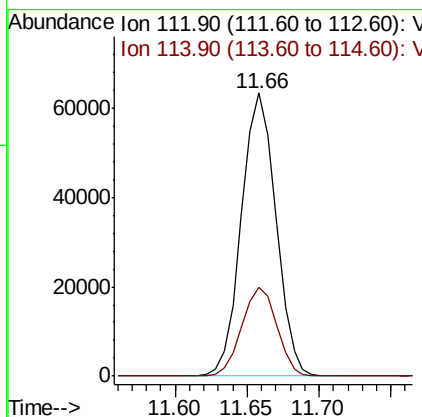
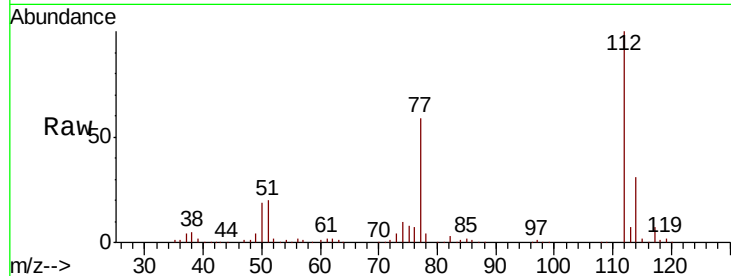
#65
Chlorobenzene
Concen: 46.814 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	105125		
114	31.4	25.2	37.8	

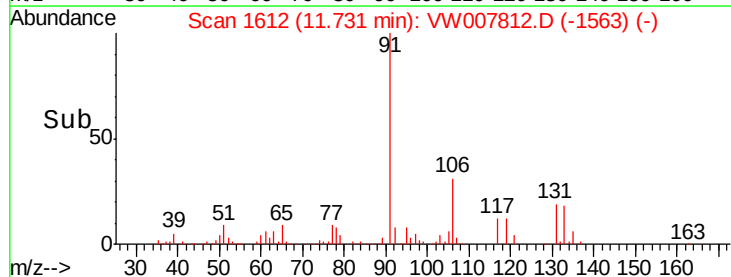
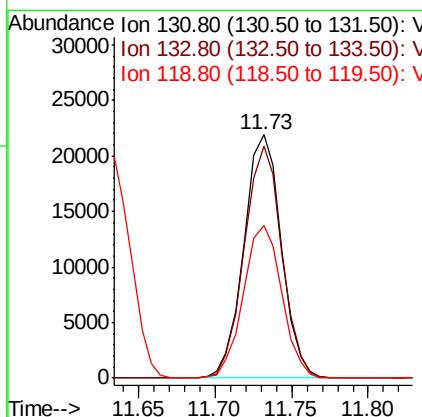
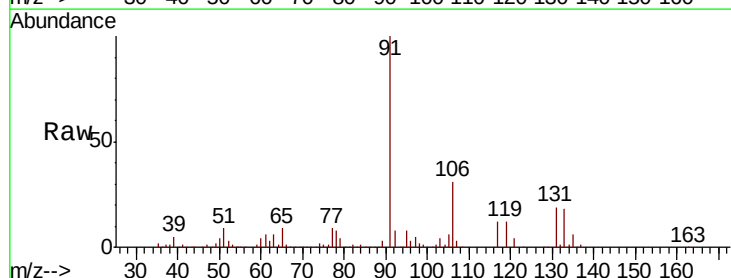
Manual Integrations
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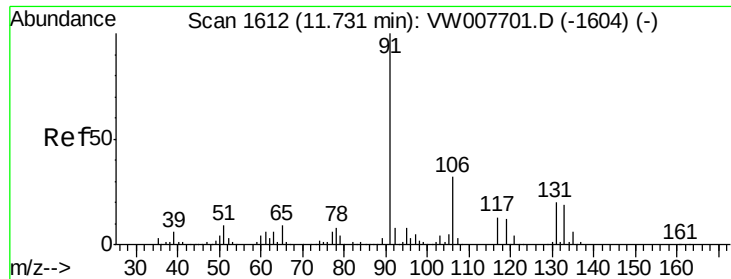
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.531 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	37336		
133	95.3	47.5	142.5	
119	64.0	30.2	90.6	





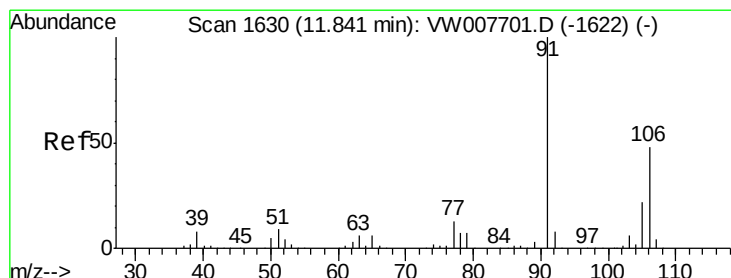
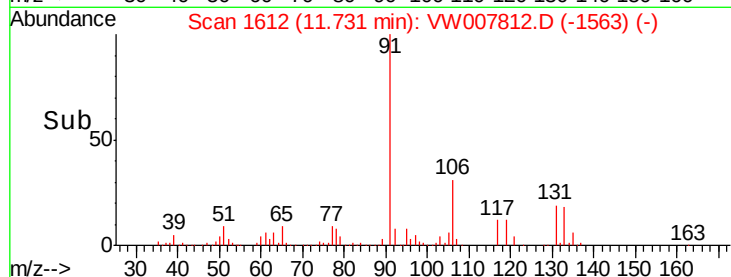
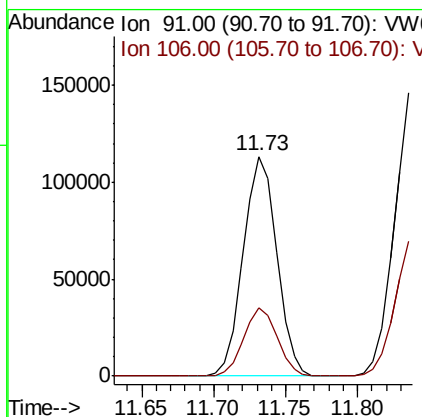
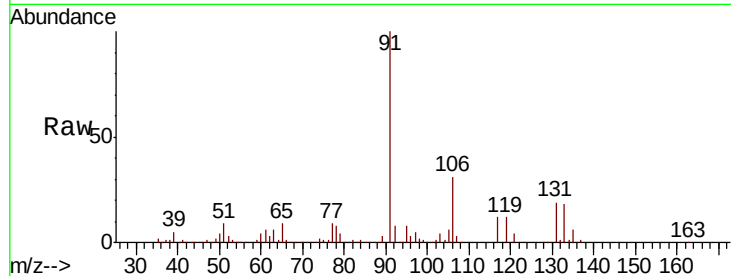
#67
Ethyl Benzene
Concen: 47.403 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.8	38.8

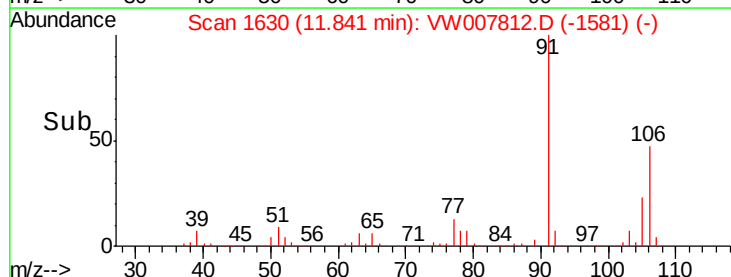
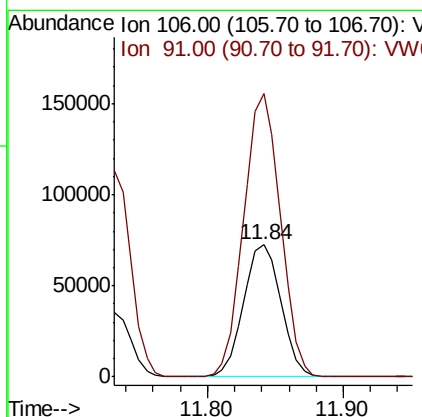
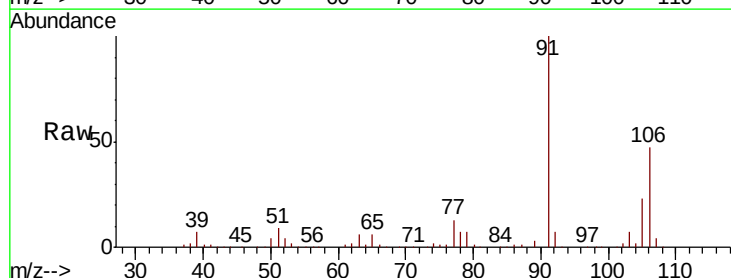
Manual Integrations
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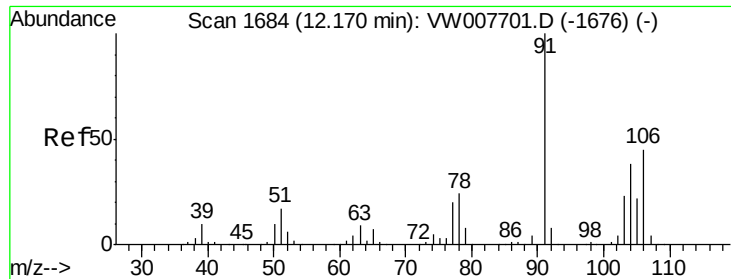
MMDadoda
12/26/2018 10:59:29 AM



#68
m/p-Xylenes
Concen: 93.494 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.6	165.2	247.8





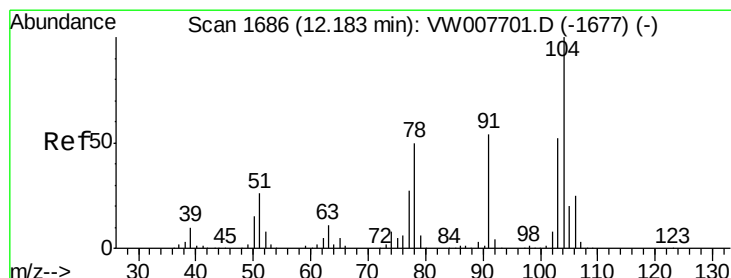
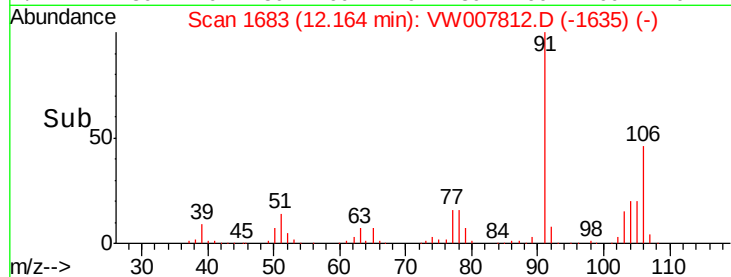
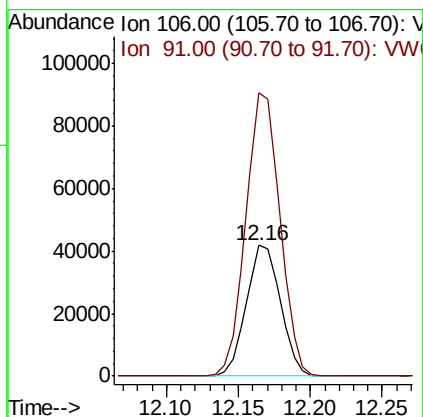
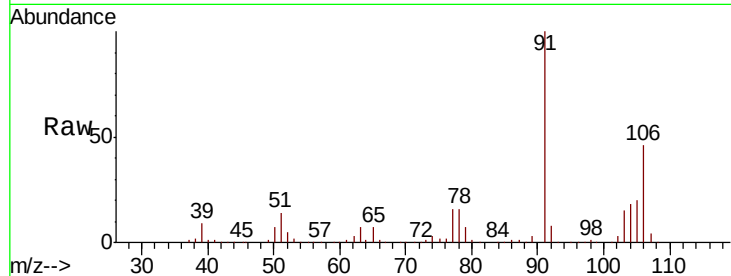
#69
o-Xylene
Concen: 48.919 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion:106 Resp: 68544
Ion Ratio Lower Upper
106 100
91 216.4 110.5 331.4

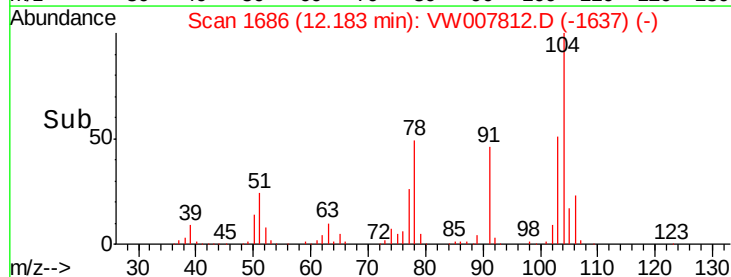
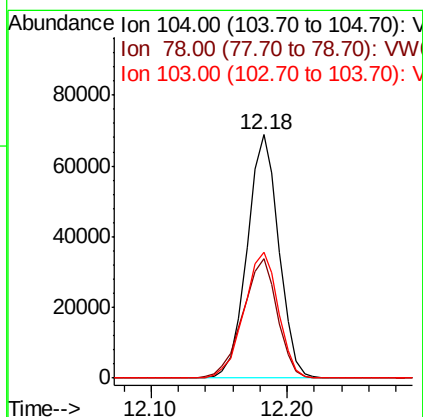
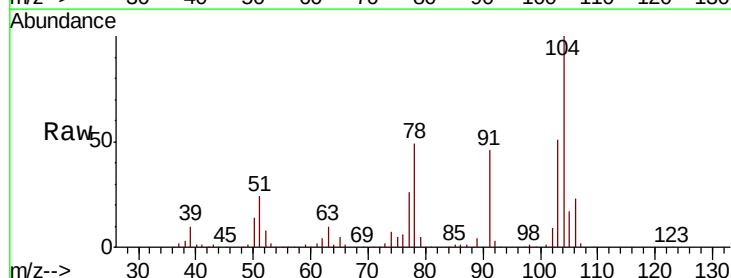
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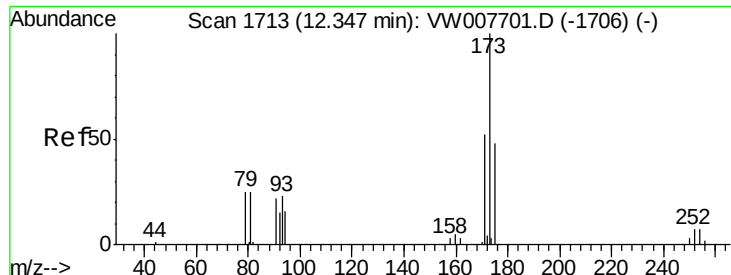
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#70
Styrene
Concen: 48.640 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion:104 Resp: 112032
Ion Ratio Lower Upper
104 100
78 53.4 43.4 65.0
103 55.9 44.5 66.7





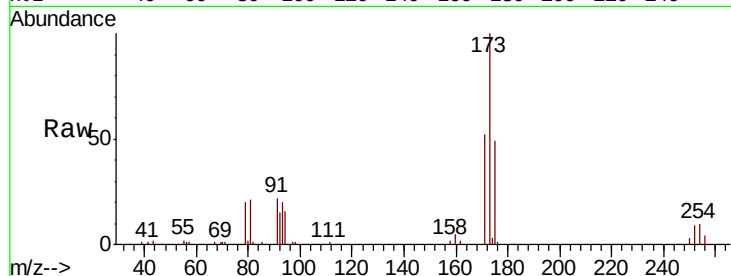
#71
Bromoform
Concen: 48.363 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.9	71.7
254	0.0	0.0	0.0

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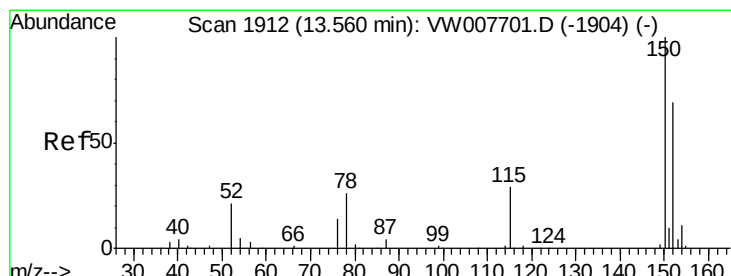
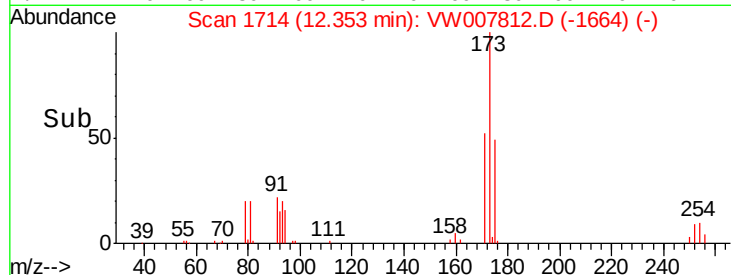
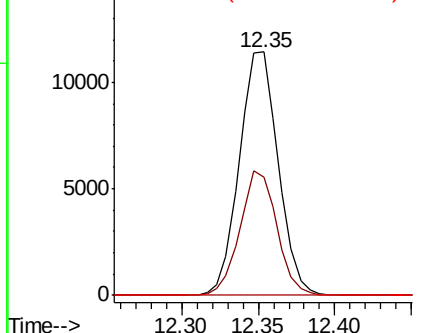


Abundance

Ion 172.70 (172.40 to 173.40): V

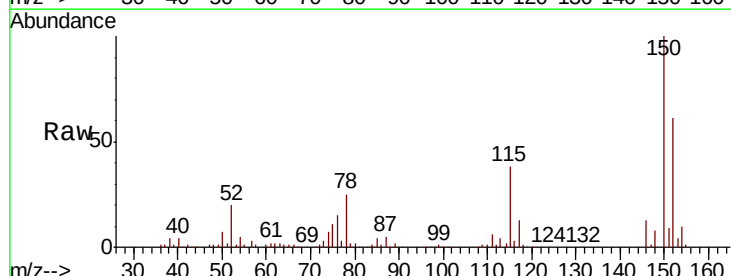
Ion 174.70 (174.40 to 175.40): V

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: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.8	95.4
150	176.0	0.0	350.8

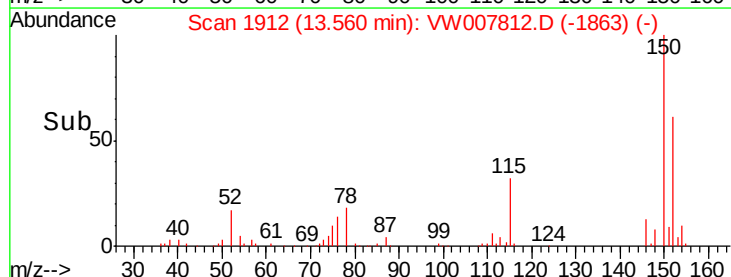
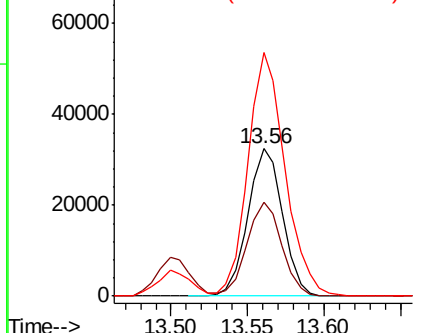


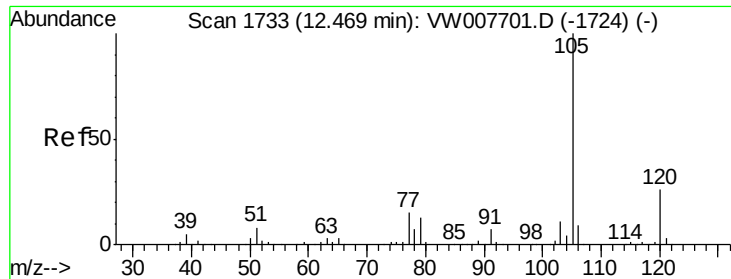
Abundance

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





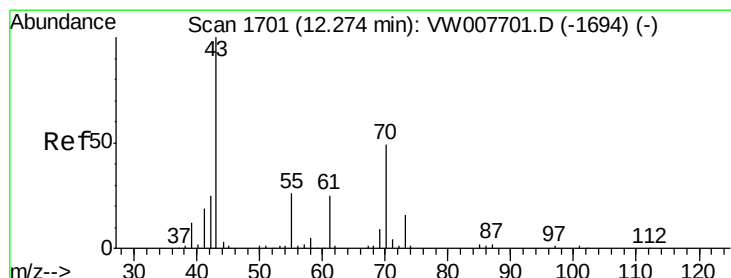
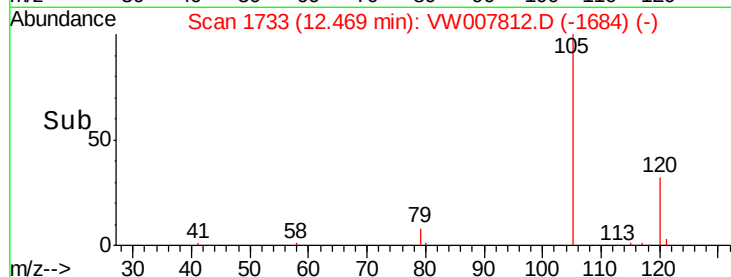
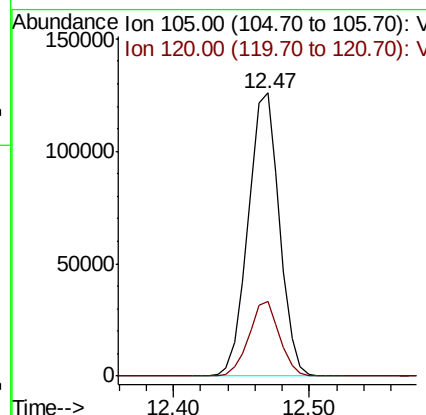
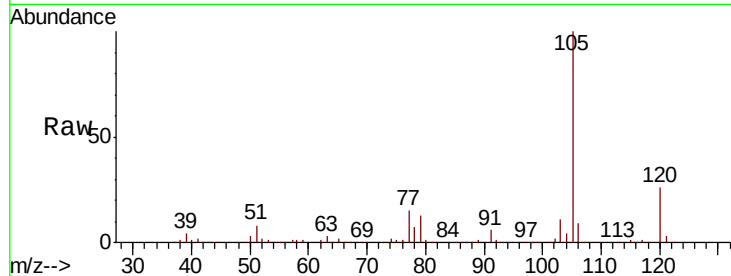
#73
Isopropylbenzene
Concen: 52.249 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

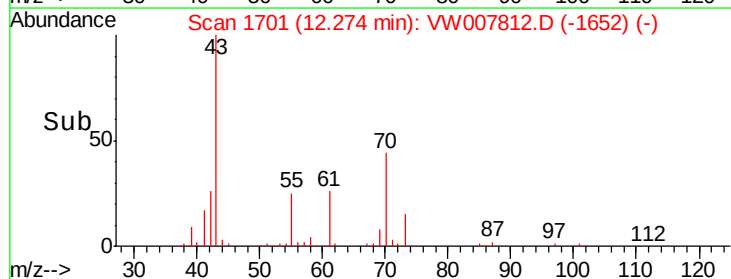
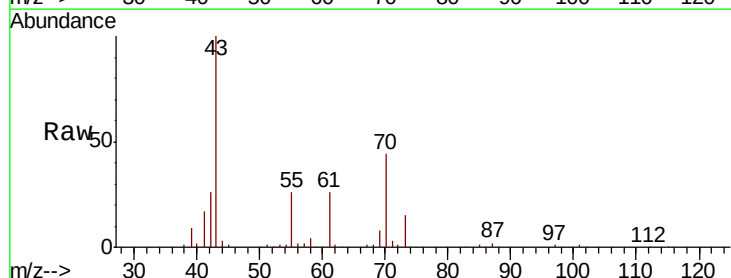
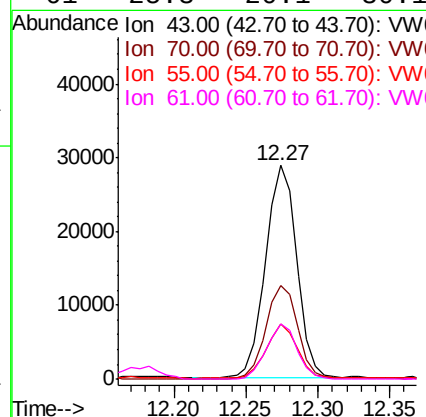
Manual Integrations
APPROVED

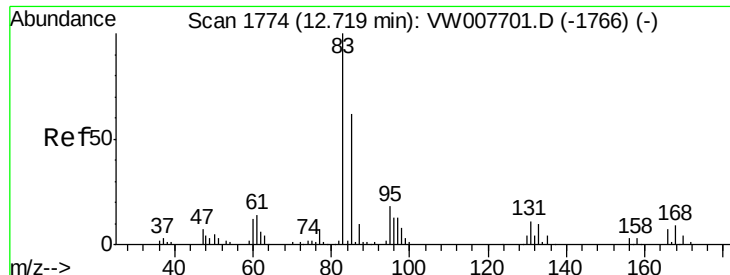
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#74
N-ethyl acetate
Concen: 64.520 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.8	37.6	56.4
55	25.3	21.7	32.5
61	25.3	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 59.257 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

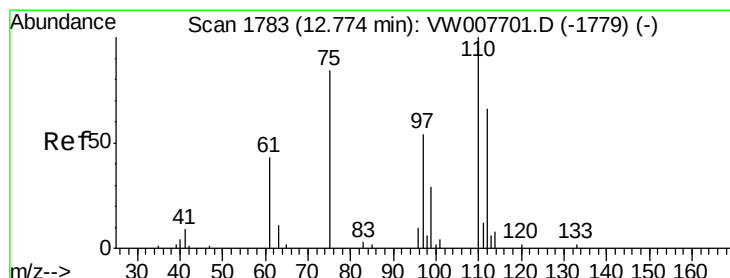
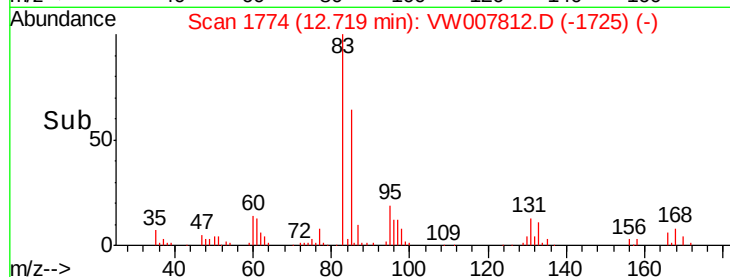
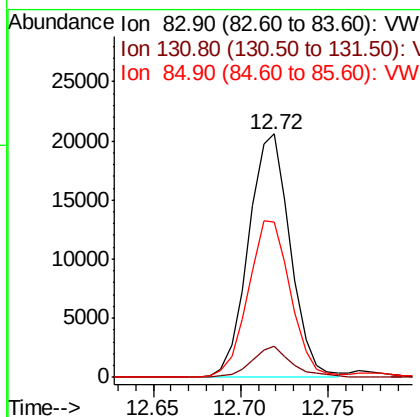
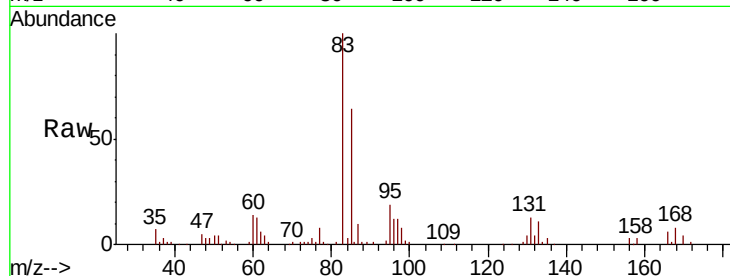
ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion:	83	Resp:	34380
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.3	18.8
85	65.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 67.745 ug/l m

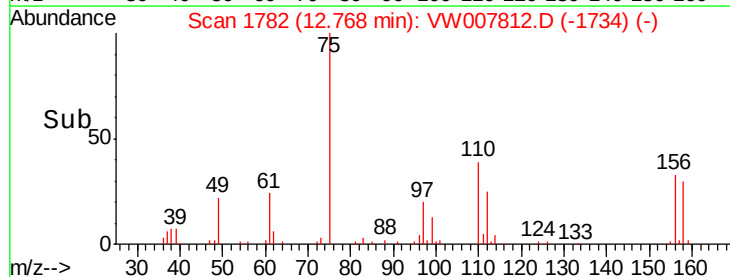
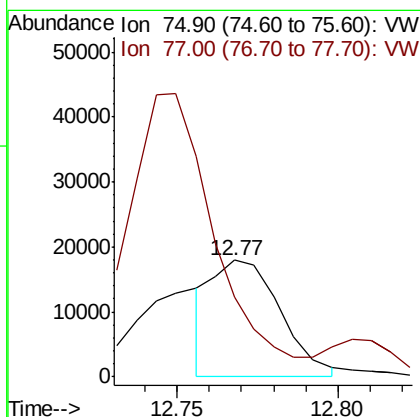
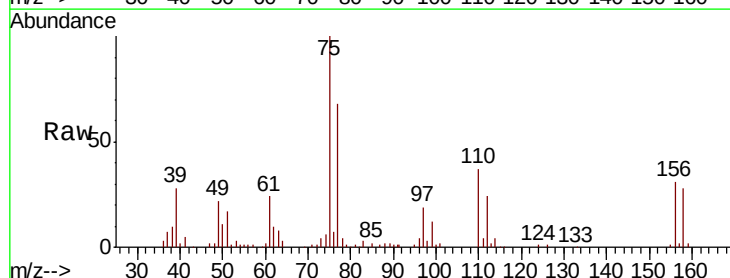
RT: 12.77 min Scan# 1782

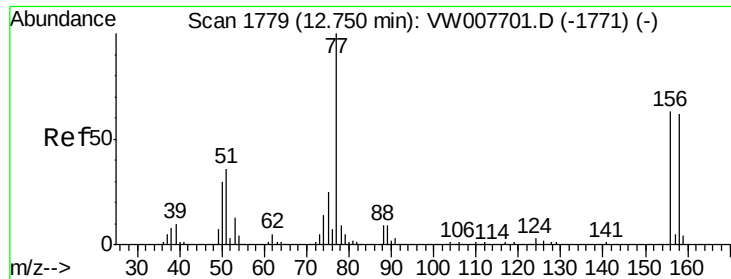
Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion:	75	Resp:	26805
Ion Ratio	Lower	Upper	
75	100		
77	309.1	0.0	0.0#





#77

Bromobenzene

Concen: 49.460 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

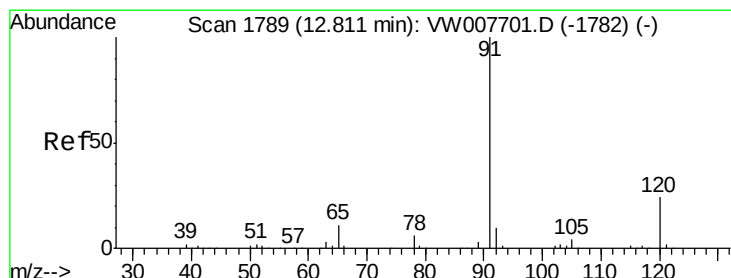
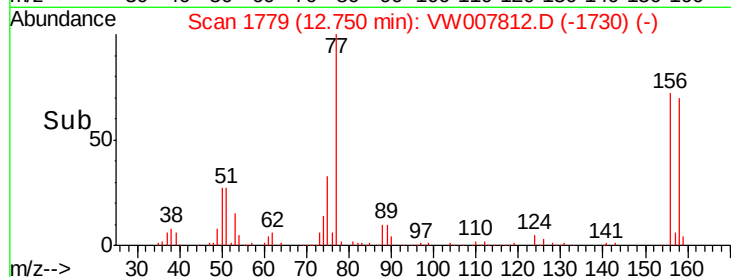
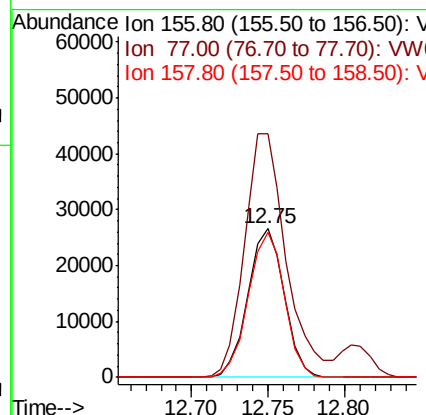
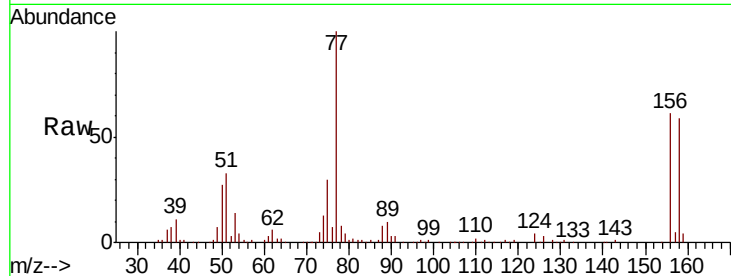
ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion	156	Resp	43862
Ion Ratio	100	Lower	Upper
77	188.9	87.4	262.1
158	96.7	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 50.719 ug/l

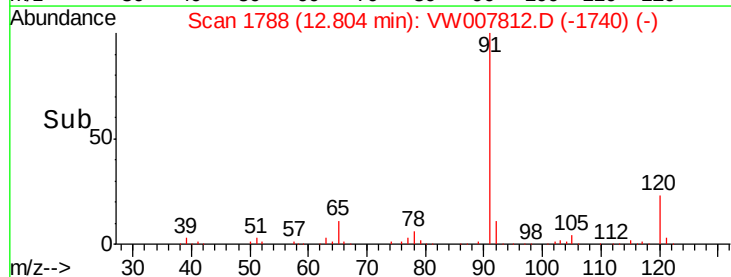
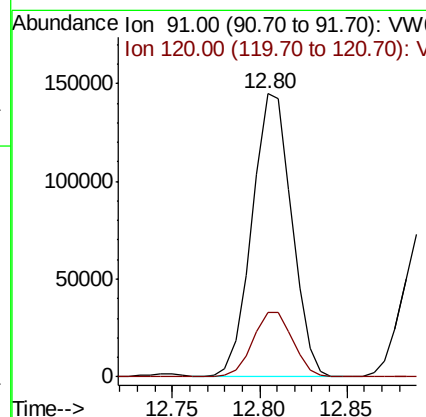
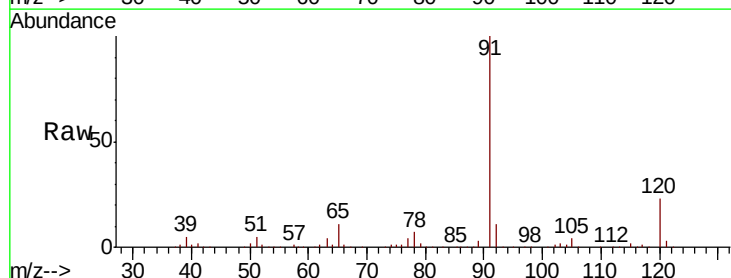
RT: 12.80 min Scan# 1788

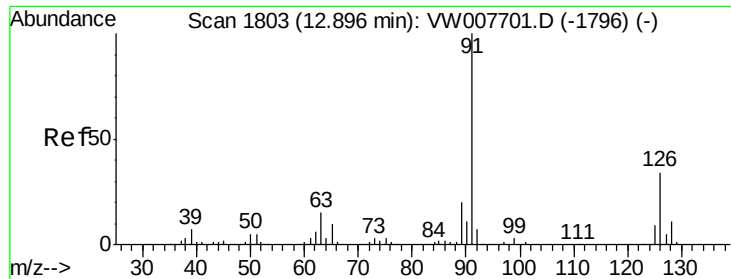
Delta R.T. -0.01 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion	91	Resp	228465
Ion Ratio	100	Lower	Upper
91	100	11.9	35.7
120	23.0	11.9	35.7





#79

2-Chlorotoluene

Concen: 48.862 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion: 91 Resp: 128219

Ion Ratio Lower Upper

91 100

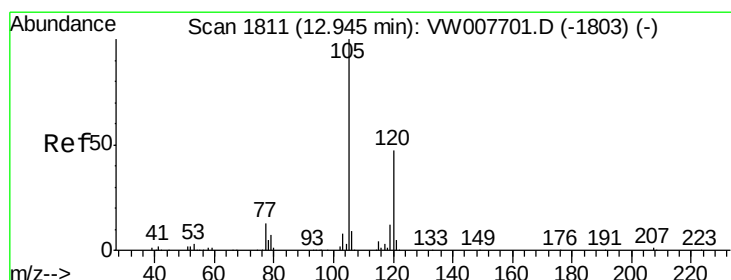
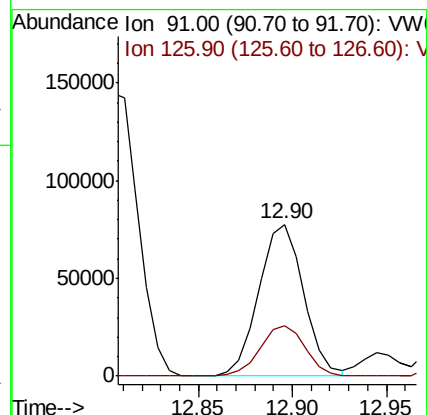
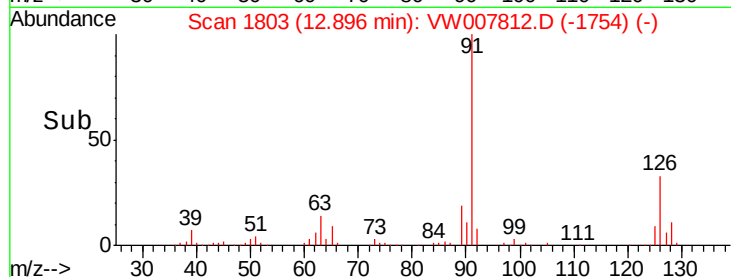
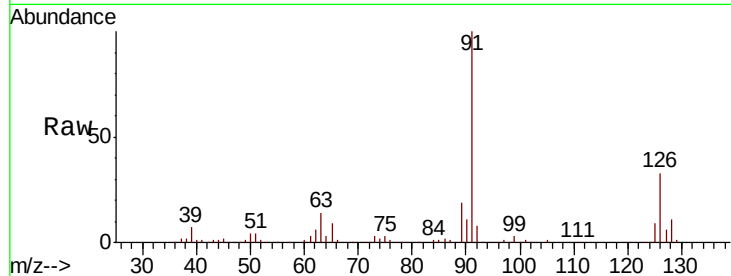
126 33.0 17.0 51.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.908 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007812.D

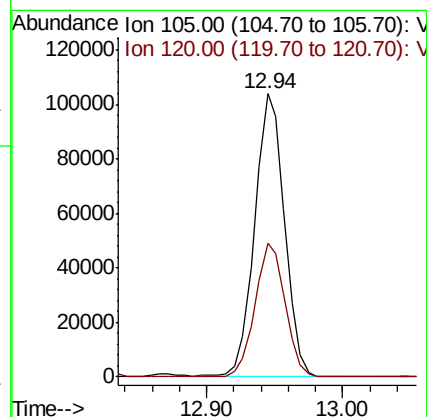
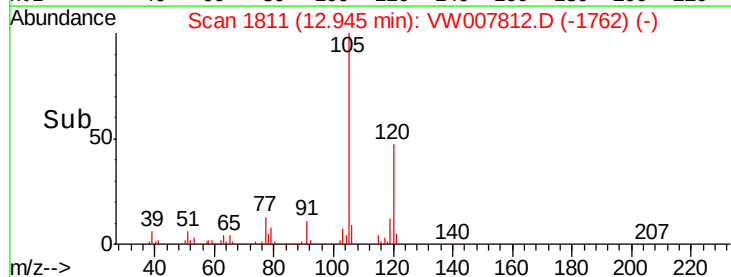
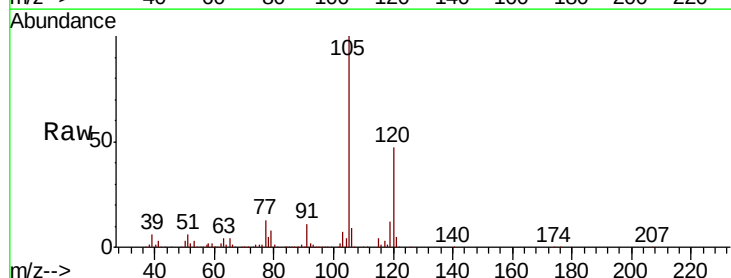
Acq: 21 Dec 2018 22:52

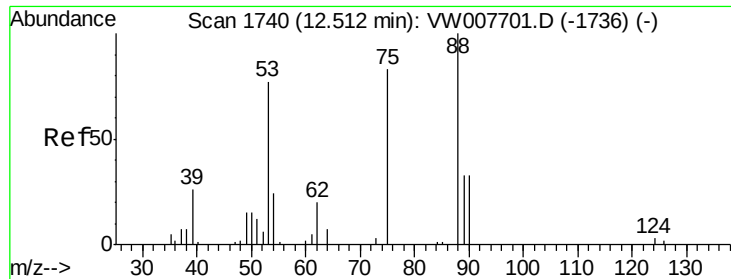
Tgt Ion:105 Resp: 159910

Ion Ratio Lower Upper

105 100

120 47.5 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.292 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Instrument :

MSVOA_W

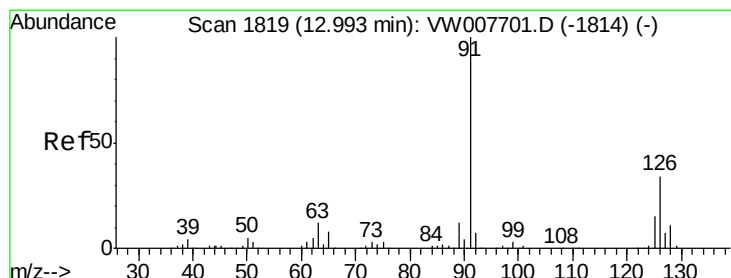
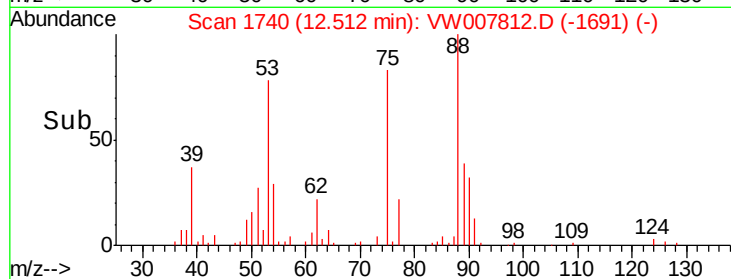
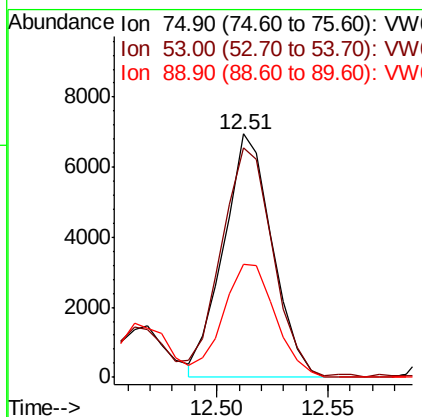
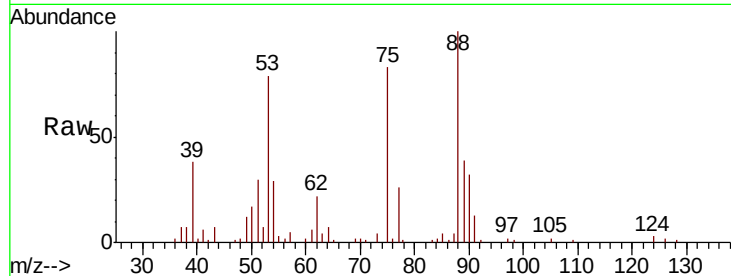
ClientSampleId :

KY001SB106-121218-(8-10)MSD

Tot Ion:	75	Resp:	10611
Ion Ratio	Lower	Upper	
75	100		
53	101.4	80.2	120.2
89	49.8	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.157 ug/l

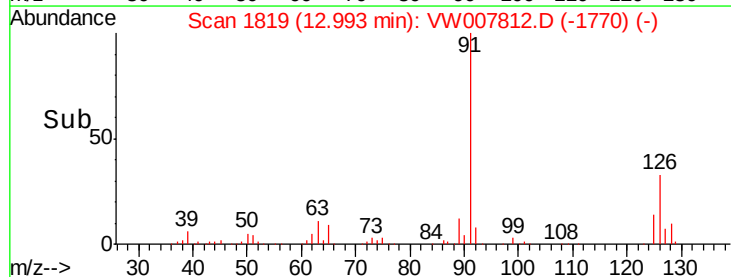
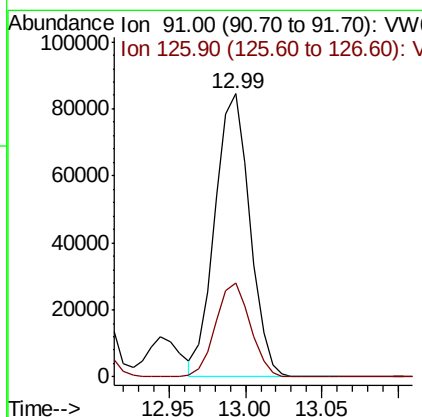
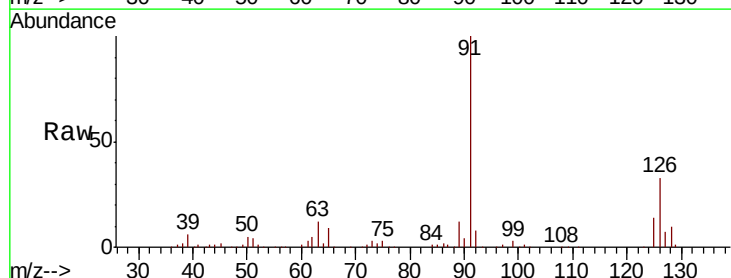
RT: 12.99 min Scan# 1819

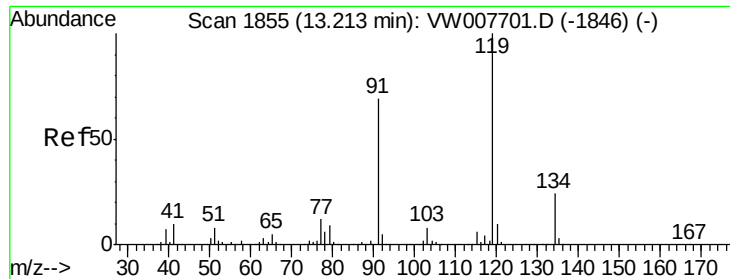
Delta R.T. -0.00 min

Lab File: VW007812.D

Acq: 21 Dec 2018 22:52

Tgt Ion:	91	Resp:	134551
Ion Ratio	Lower	Upper	
91	100		
126	32.9	16.5	49.5





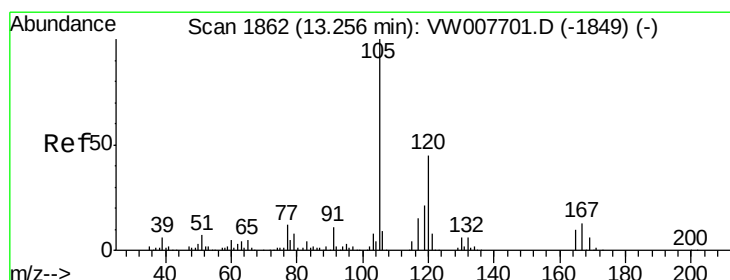
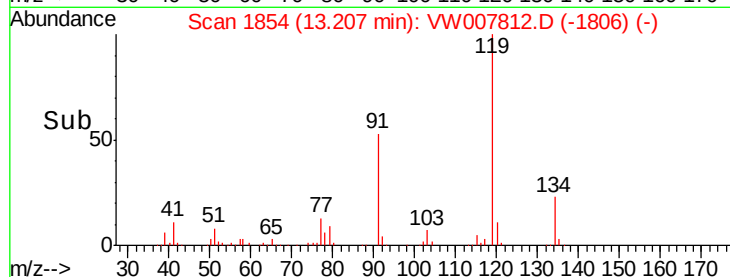
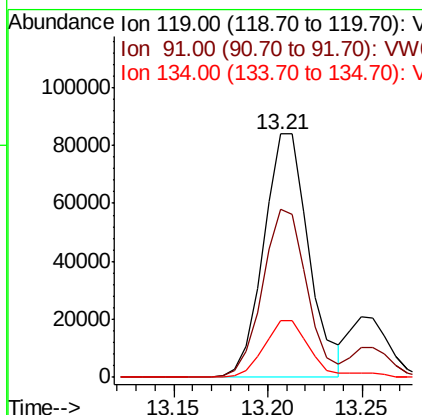
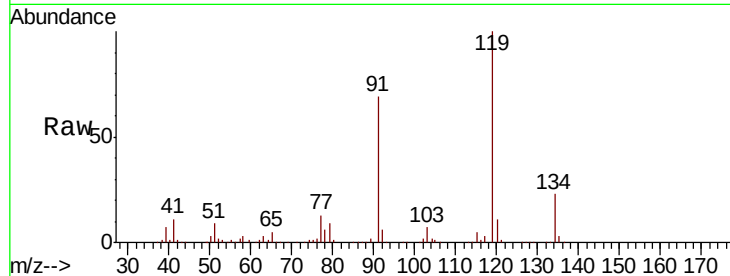
#83
tert-Butylbenzene
Concen: 47.711 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139731		
91	67.6	34.2	102.5	
134	24.6	12.8	38.4	

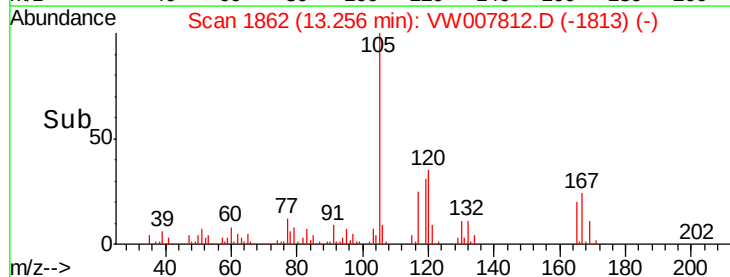
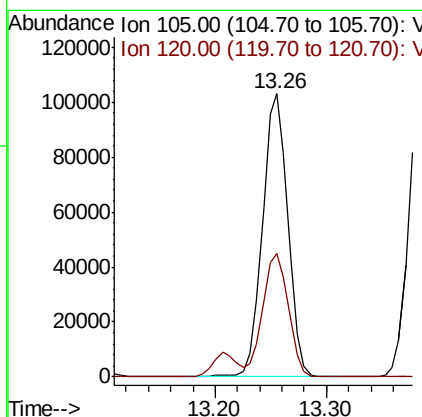
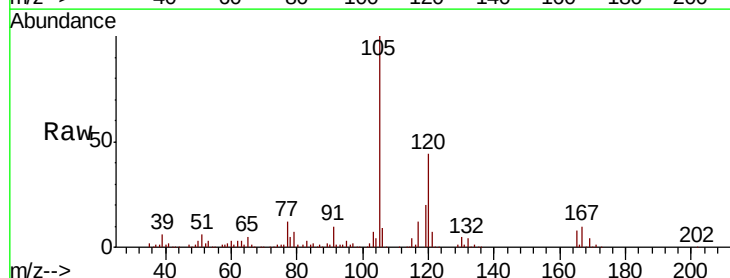
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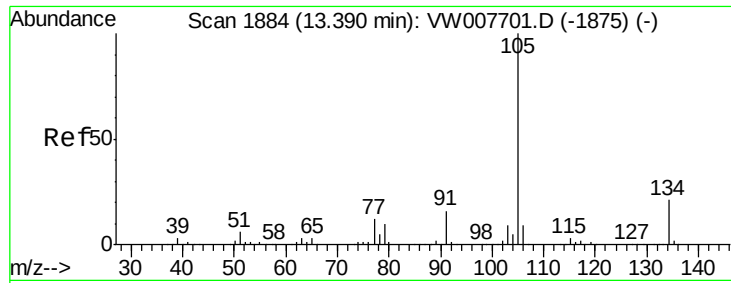
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.610 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	163720		
120	44.5	22.0	66.0	





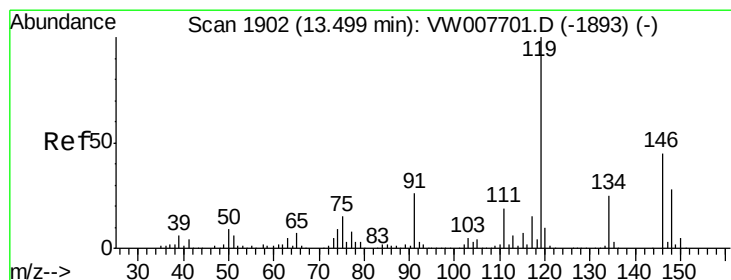
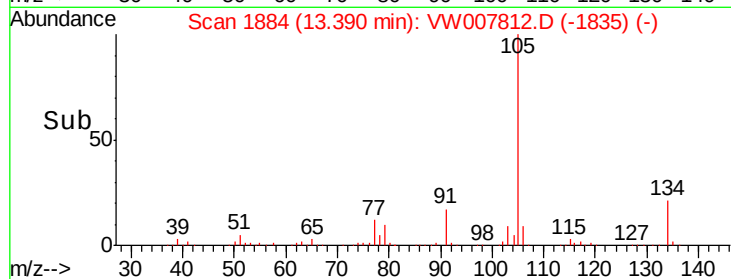
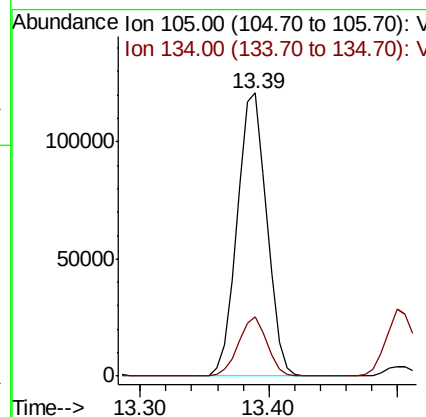
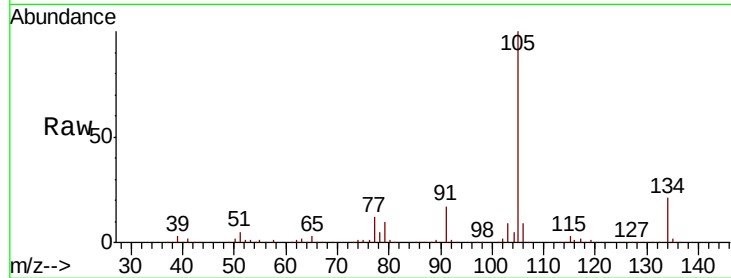
#85
 sec-Butylbenzene
 Concen: 47.813 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.4

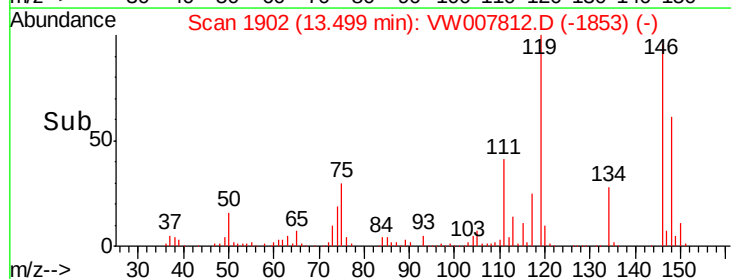
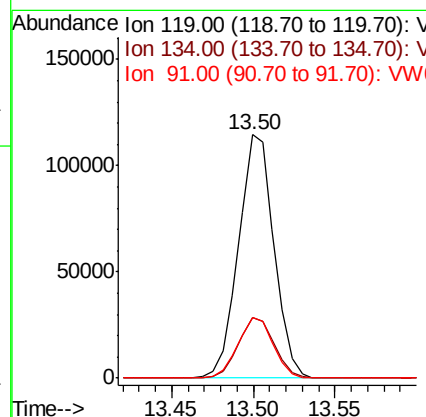
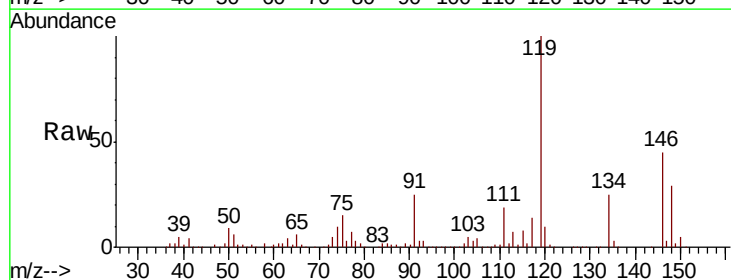
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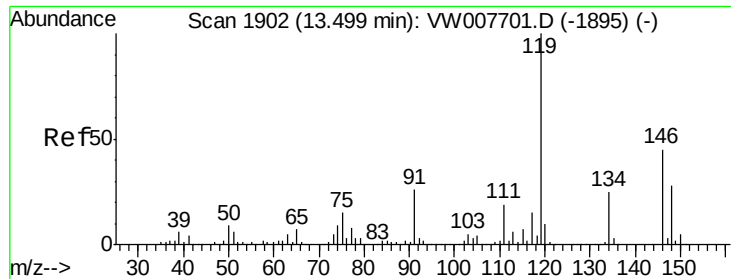
MMDadoda
 12/26/2018 10:59:29 AM



#86
 p-Isopropyltoluene
 Concen: 47.078 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	24.8	12.8	38.4





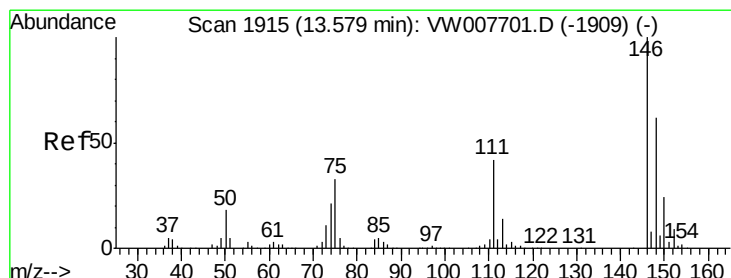
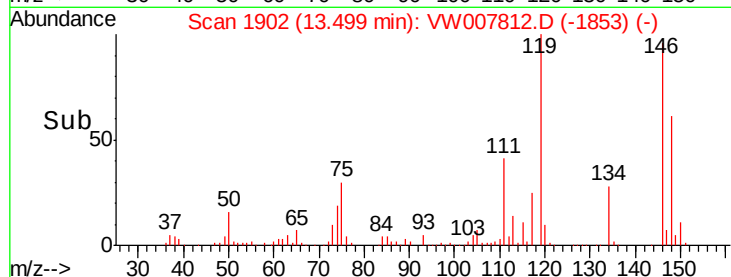
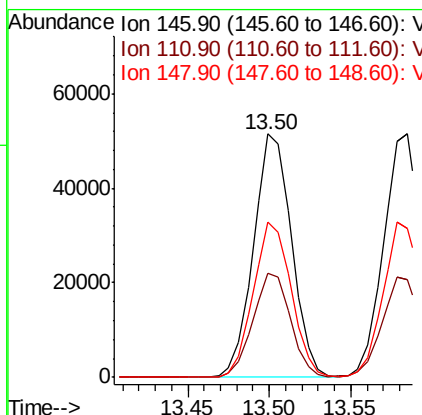
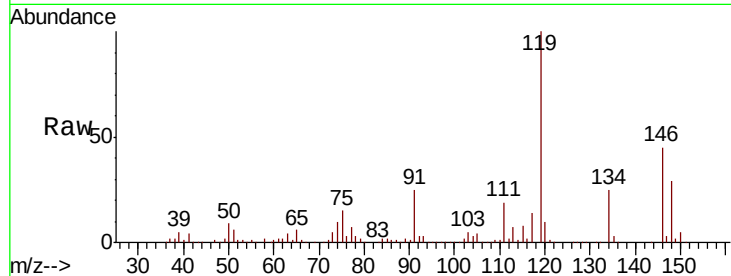
#87
 1,3-Dichlorobenzene
 Concen: 47.336 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.7	32.1	96.5

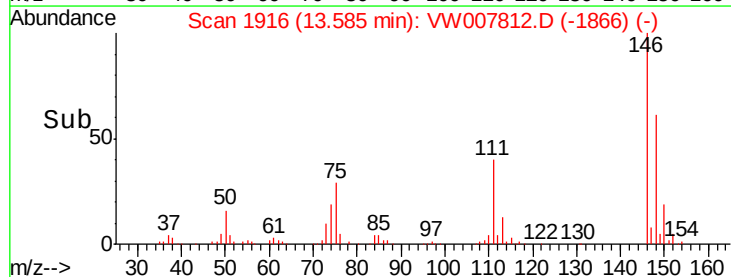
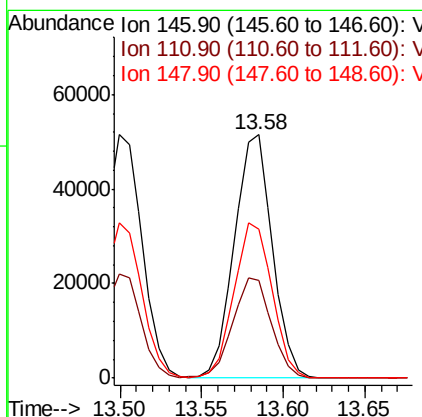
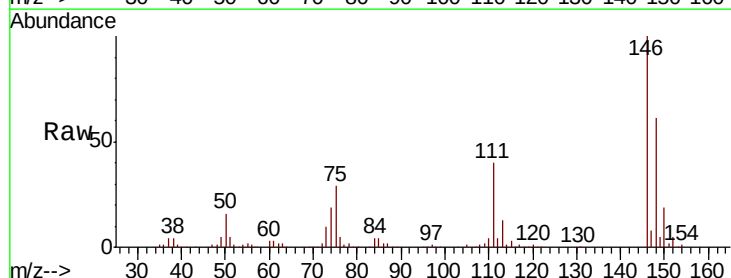
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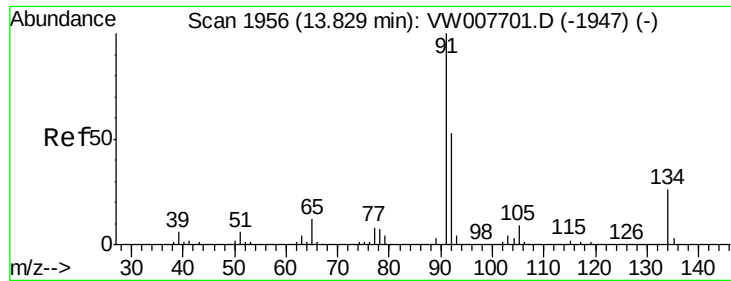
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#88
 1,4-Dichlorobenzene
 Concen: 47.359 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	64.2	31.8	95.4





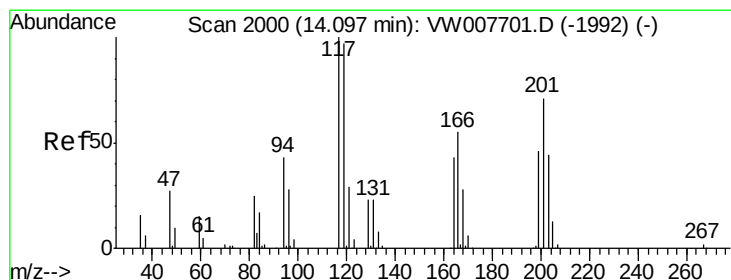
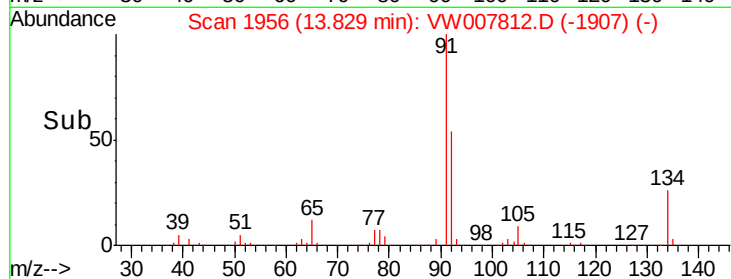
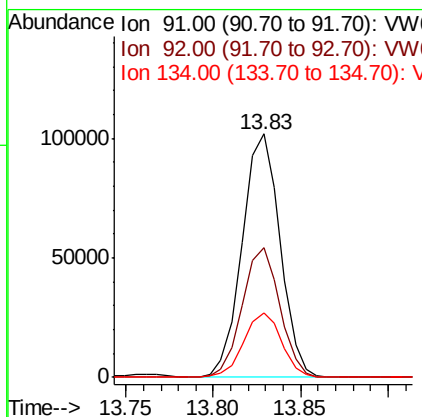
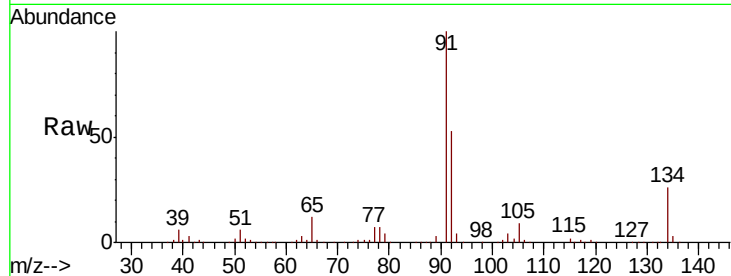
#89
n-Butylbenzene
Concen: 45.612 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.2
134	26.6	13.7	41.0

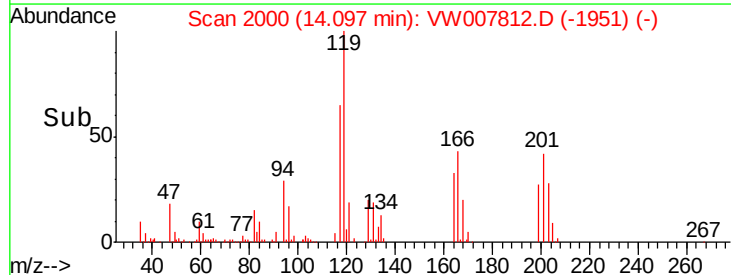
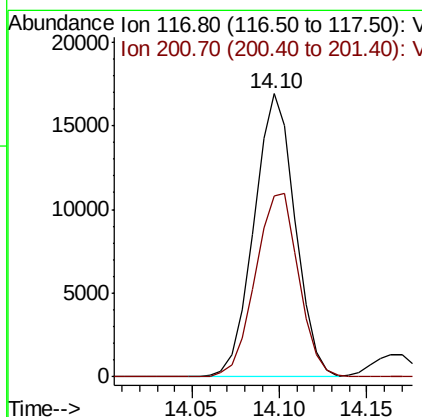
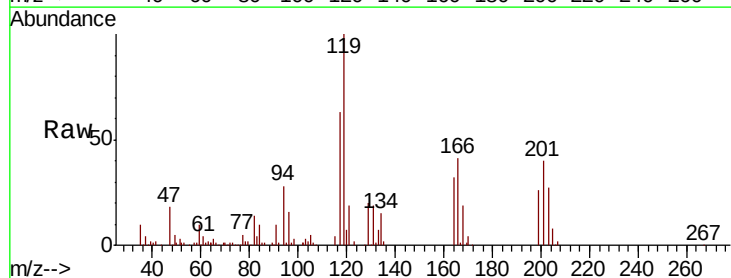
Manual Integrations
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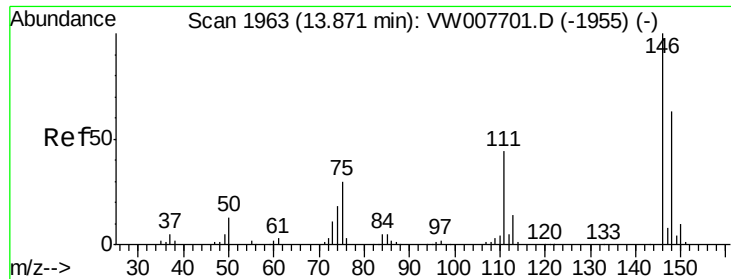
MMDadoda
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#90
Hexachloroethane
Concen: 43.253 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.1	36.2	108.6





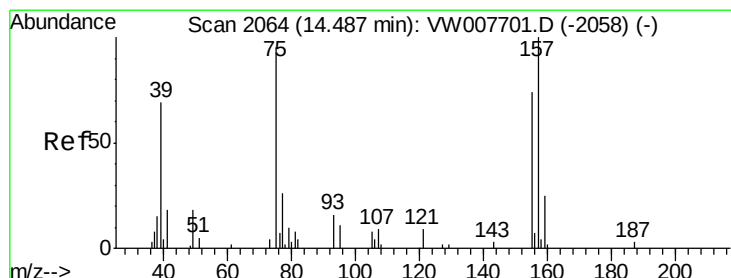
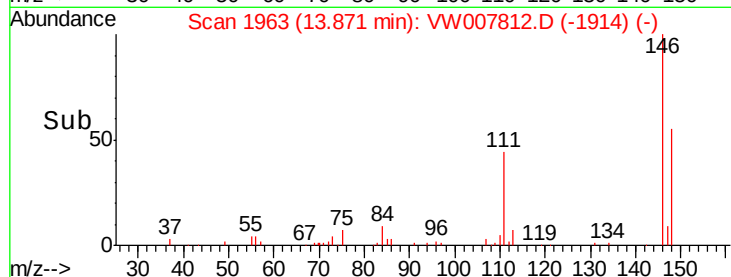
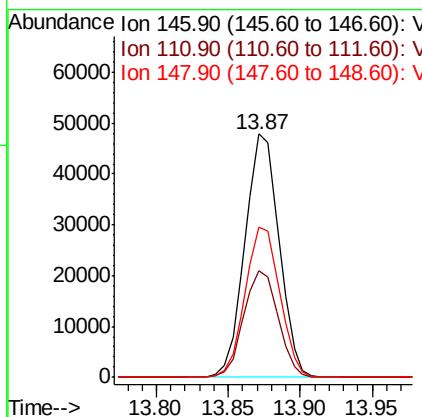
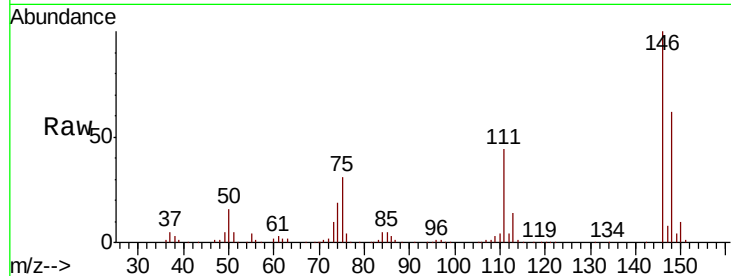
#91
 1,2-Dichlorobenzene
 Concen: 49.741 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.7	65.1
148	62.7	32.1	96.5

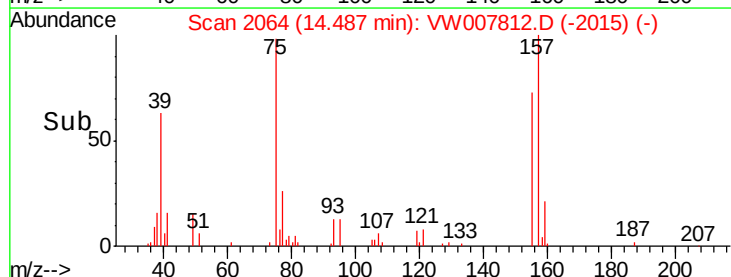
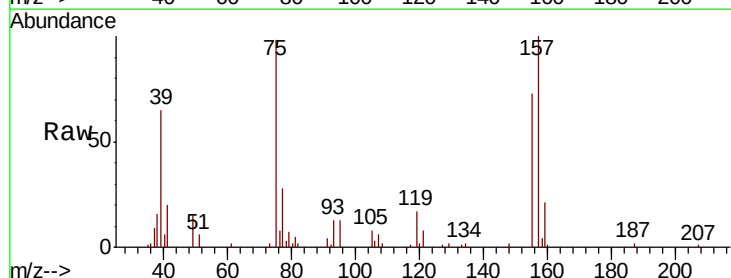
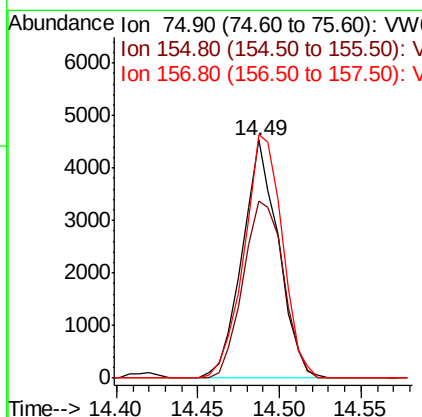
Manual Integrations
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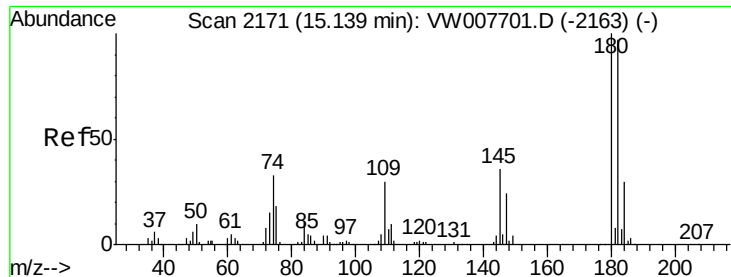
MMDadoda
 12/26/2018 10:59:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.850 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	39.4	118.1
157	108.4	52.0	156.0





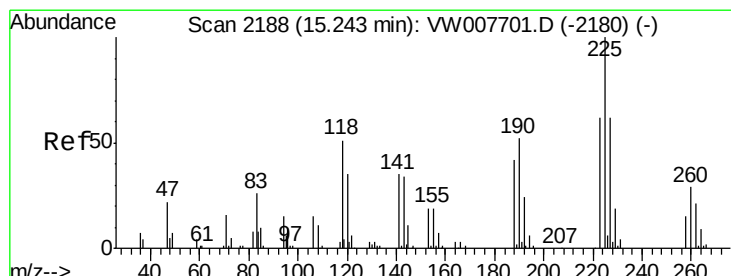
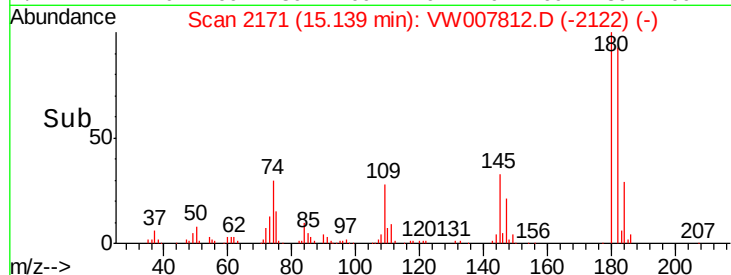
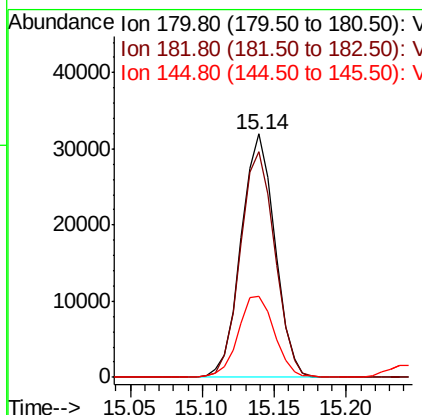
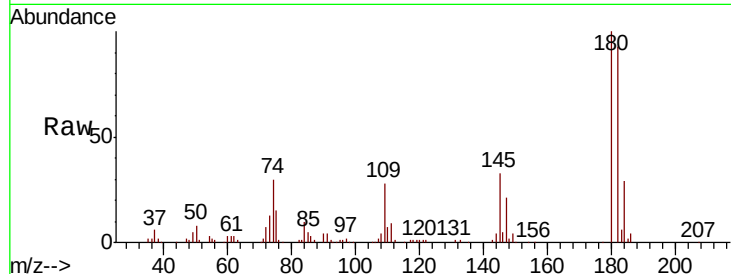
#93
 1,2,4-Trichlorobenzene
 Concen: 47.522 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.6
145	36.3	17.5	52.5

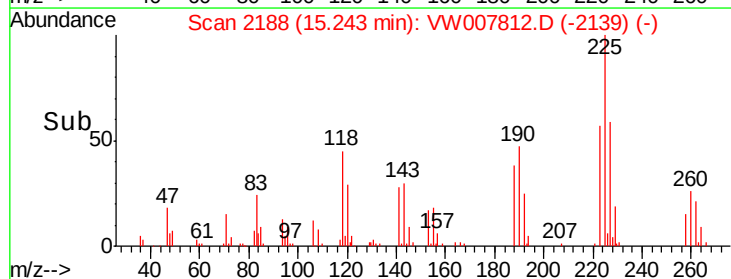
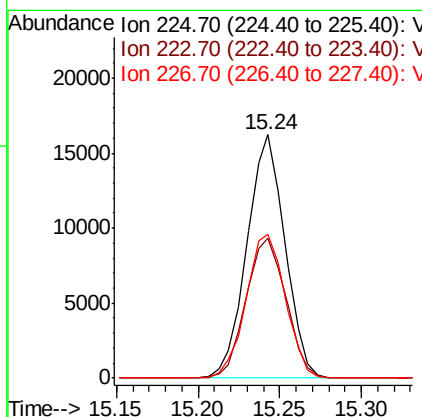
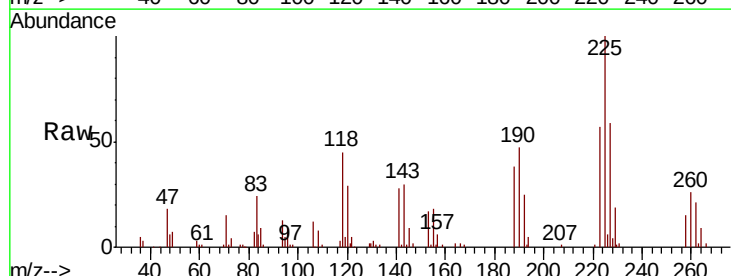
Manual Integrations
 APPROVED

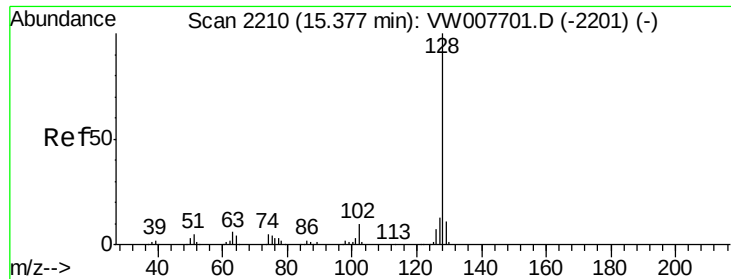
MMDadoda
 12/26/2018 10:59:29 AM



#94
 Hexachlorobutadiene
 Concen: 44.964 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007812.D
 Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.6	94.8
227	61.3	32.1	96.3





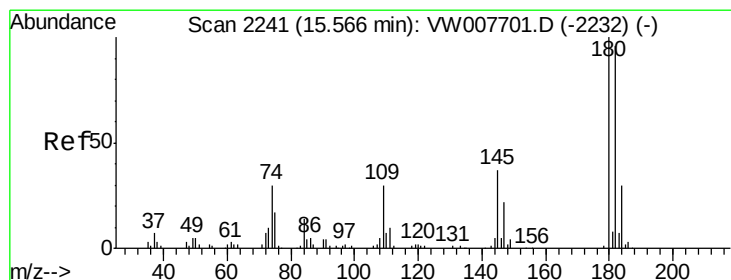
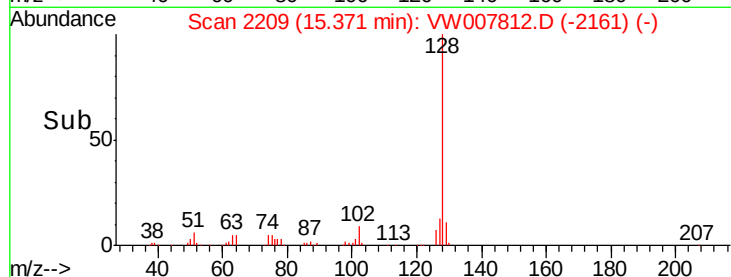
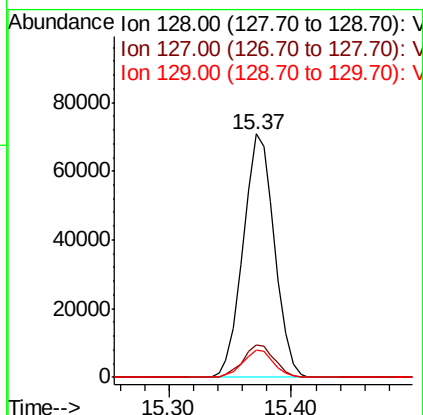
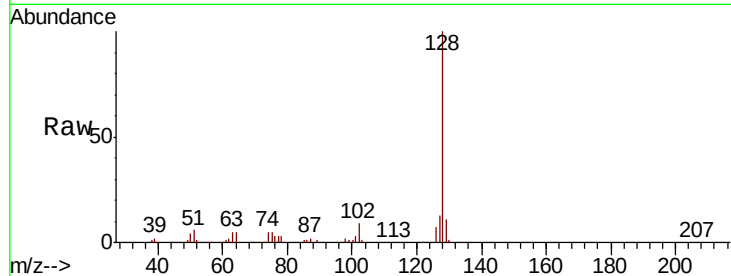
#95
Naphthalene
Concen: 62.137 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:59:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.397 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007812.D
Acq: 21 Dec 2018 22:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.4	142.2
145	37.2	18.4	55.0

