

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
 Data File : VW014996.D
 Acq On : 14 Feb 2020 14:37
 Operator : SY/VA
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 3:46:40 PM

Quant Time: Feb 15 03:36:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 15 03:16:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	699422	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	665875	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	269236	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	343842	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.64%
7) Chloroethane-d5	2.89	69	261581	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
11) 1,1-Dichloroethene-d2	4.02	63	460570	18.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.92%
21) 2-Butanone-d5	7.07	46	201116	51.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.46%
24) Chloroform-d	7.65	84	555306	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	8.31	65	346582	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	8.27	84	1117376	24.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	9.27	67	388062	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.60%
41) Toluene-d8	10.32	98	948008	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.16%
43) trans-1,3-Dichloropropene-	10.57	79	141525	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.56%
47) 2-Hexanone-d5	10.92	63	138254	50.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.74%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	286101	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.36%
66) 1,2-Dichlorobenzene-d4	13.85	152	265231	26.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	11637	1.675 ug/L #	89
3) Chloromethane	2.21	50	26409	2.021 ug/L	99
5) Vinyl chloride	2.36	62	35067m	2.085 ug/L	
6) Bromomethane	2.78	94	14937	1.958 ug/L	88
8) Chloroethane	2.92	64	18111	2.013 ug/L	99
9) Trichlorofluoromethane	3.26	101	10963	1.650 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	25146	2.314 ug/L	87
12) 1,1-Dichloroethene	4.04	96	22739	2.182 ug/L #	1
13) Acetone	4.12	43	18313	4.469 ug/L	99
14) Carbon disulfide	4.39	76	71442	1.896 ug/L	97
15) Methyl Acetate	4.68	43	13003	1.829 ug/L #	87
16) Methylene chloride	4.91	84	53588	4.147 ug/L	97
17) trans-1,2-Dichloroethene	5.43	96	20827	1.980 ug/L	91
18) Methyl tert-butyl Ether	5.42	73	25198	1.941 ug/L #	84
19) 1,1-Dichloroethane	6.22	63	46324	1.972 ug/L	98
20) cis-1,2-Dichloroethene	7.17	96	20993	1.937 ug/L	94
22) 2-Butanone	7.18	43	21291	4.322 ug/L	89

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 Quant Title : SFAM01.0
 QLast Update : Sat Feb 15 03:16:02 2020
 Response via : Initial Calibration

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

23) Bromochloromethane	7.52	128	9324	2.121	ug/L	73
25) Chloroform	7.67	83	45151	2.157	ug/L	100
27) 1,2-Dichloroethane	8.40	62	32784	2.131	ug/L	97
29) Cyclohexane	7.96	56	33716	1.553	ug/L #	94
30) 1,1,1-Trichloroethane	7.87	97	32101	1.982	ug/L	99
31) Carbon tetrachloride	8.07	117	28038	1.920	ug/L	99
33) Benzene	8.32	78	99226	2.030	ug/L	100
34) Trichloroethene	9.09	95	22540	1.925	ug/L	94
35) Methylcyclohexane	9.33	83	33712	1.669	ug/L	92
37) 1,2-Dichloropropane	9.37	63	27659	2.026	ug/L	98
38) Bromodichloromethane	9.64	83	28789	1.872	ug/L	98
39) cis-1,3-Dichloropropene	10.07	75	32024	1.753	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	34460	3.545	ug/L	99
42) Toluene	10.38	91	95428	2.020	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	30233m	1.995	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	17039	2.057	ug/L	95
46) Tetrachloroethene	10.86	164	14732	1.938	ug/L	97
48) 2-Hexanone	10.96	43	27091	3.825	ug/L	98
49) Dibromochloromethane	11.13	129	16785	1.945	ug/L	89
50) 1,2-Dibromoethane	11.24	107	14918	1.998	ug/L #	96
51) Chlorobenzene	11.65	112	55824	2.003	ug/L	97
52) Ethylbenzene	11.73	91	90600	1.761	ug/L	96
53) m,p-Xylene	11.84	106	31109	1.723	ug/L	100
54) o-Xylene	12.16	106	26381	1.556	ug/L	99
55) Styrene	12.18	104	44835	1.534	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.71	83	23325	2.105	ug/L	93
59) Bromoform	12.35	173	8107	1.969	ug/L #	94
60) Isopropylbenzene	12.46	105	70348	1.669	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	17113	2.169	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	53203	1.583	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	50138	1.525	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	33118	1.906	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	36684	2.048	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	35997	2.239	ug/L	93
68) 1,2-Dibromo-3-chloropropan	14.48	75	3722	2.256	ug/L	98
69) 1,3,5-Trichlorobenzene	14.63	180	21554	1.851	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	14439	1.654	ug/L	97
71) Naphthalene	15.37	128	12198	1.361	ug/L #	90
72) 1,2,3-Trichlorobenzene	15.55	180	13827	1.710	ug/L	94

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

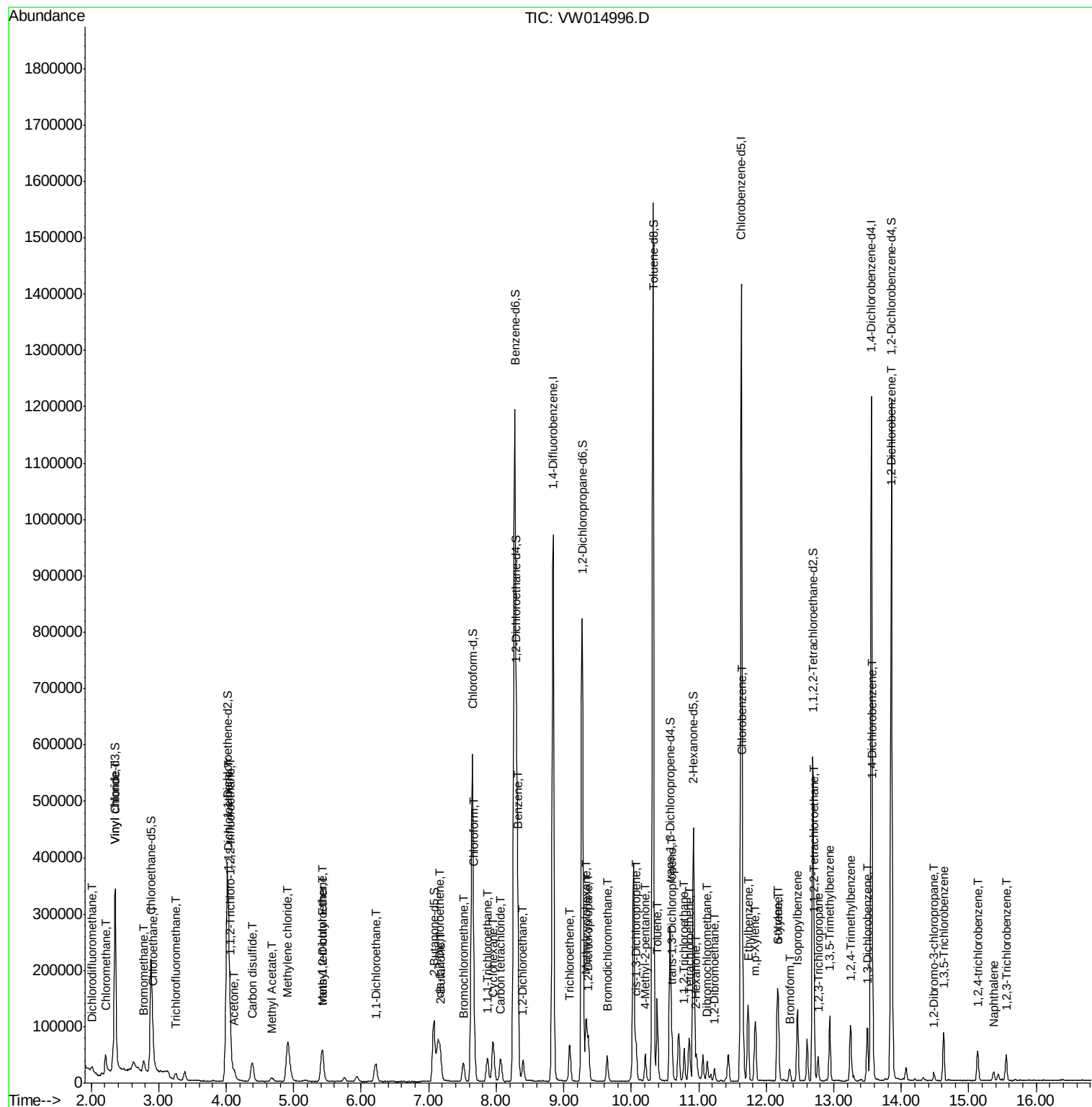
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021420\
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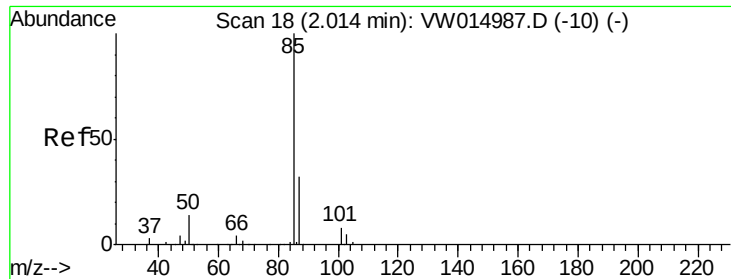
Instrument :
MSVOA_W
ClientSampleId :
MDL06

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.675 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampled :

MDL06

Tot Ion: 85 Resp: 11637

Ion Ratio Lower Upper

85 100

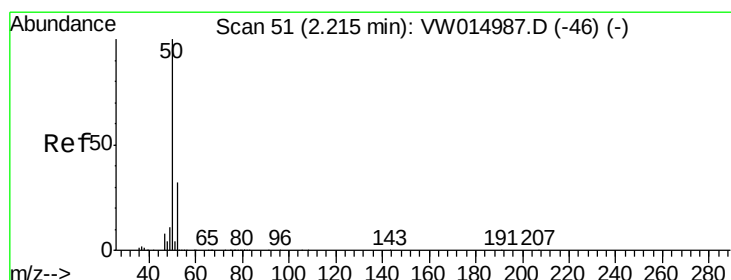
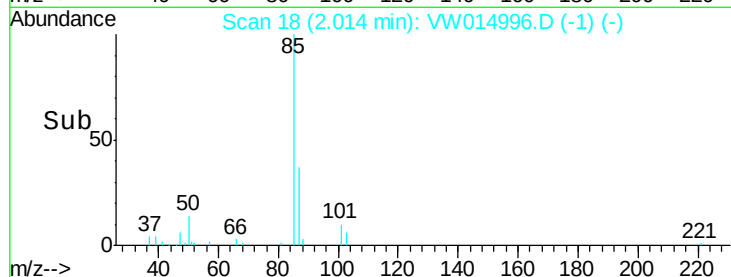
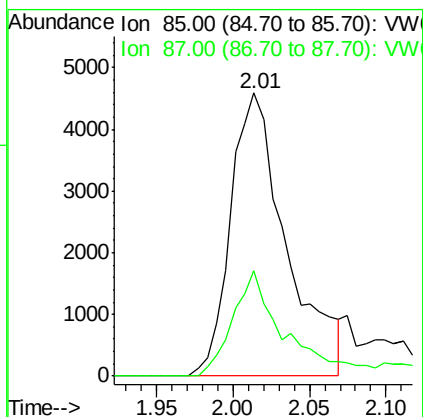
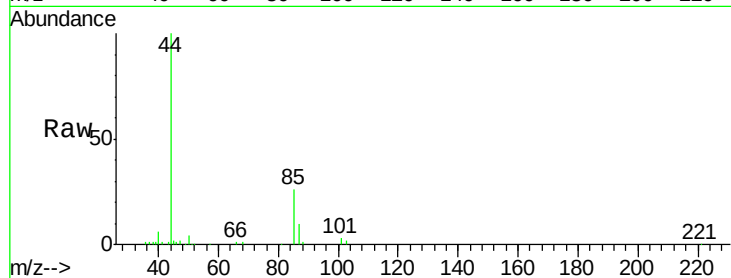
87 32.6 21.5 32.3#

Manual Integrations

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#3

Chloromethane

Concen: 2.021 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014996.D

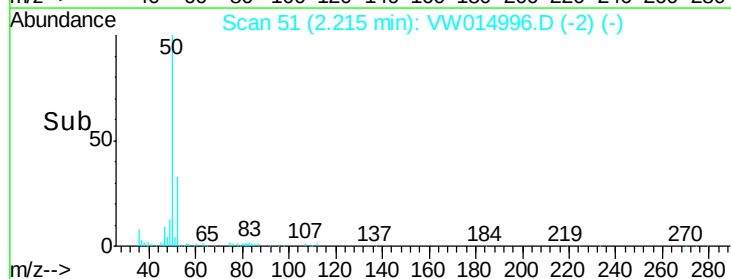
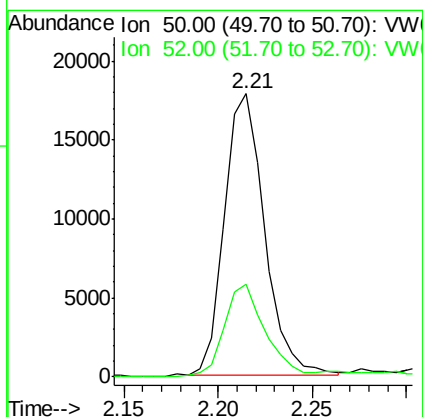
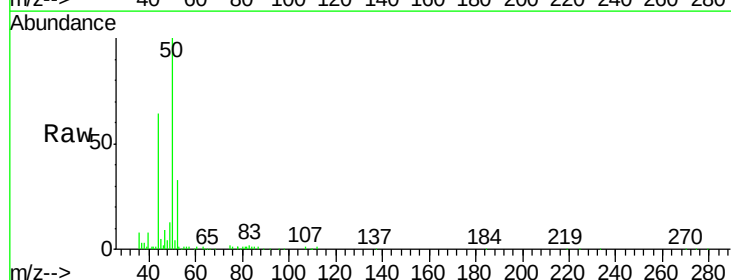
Acq: 14 Feb 2020 14:37

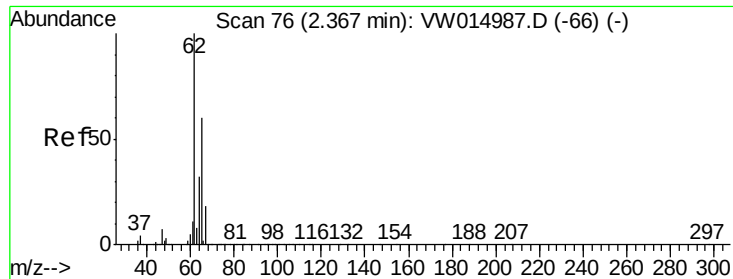
Tgt Ion: 50 Resp: 26409

Ion Ratio Lower Upper

50 100

52 32.6 22.3 41.3





#5

Vinyl chloride

Concen: 2.085 ug/L m

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 35067

Ion Ratio Lower Upper

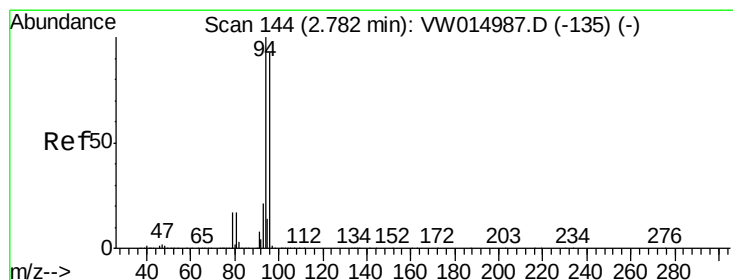
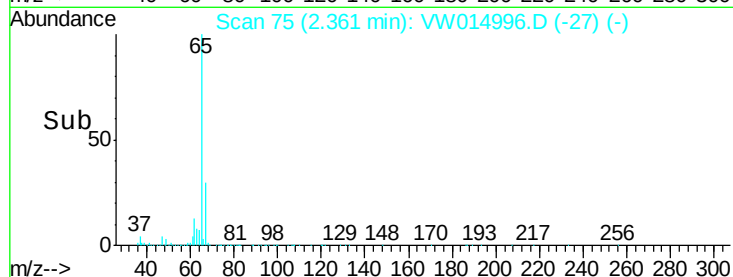
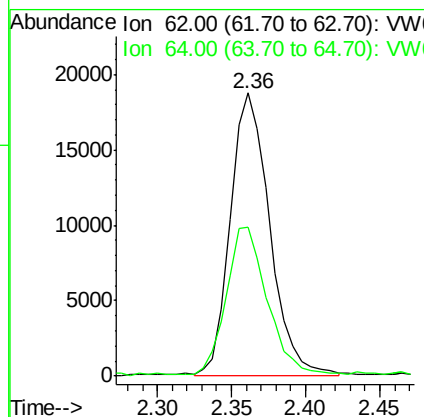
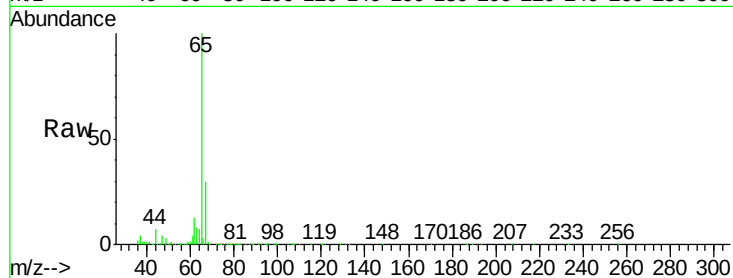
62 100

64 52.5 23.6 43.8#

Manual Integrations
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#6

Bromomethane

Concen: 1.958 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014996.D

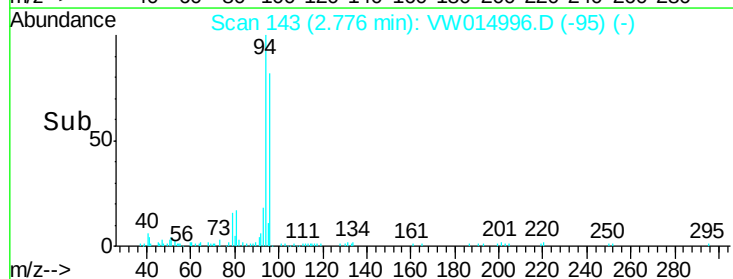
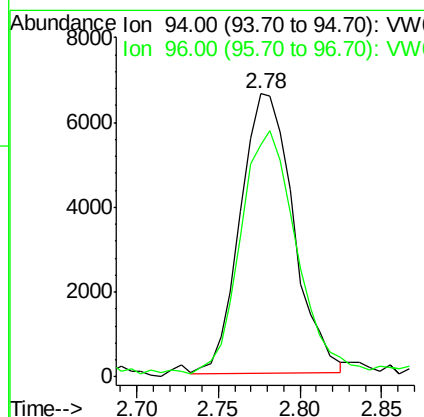
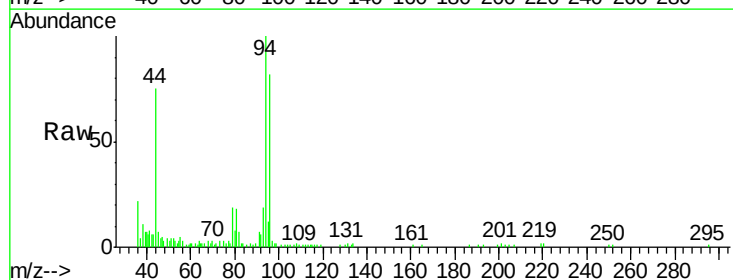
Acq: 14 Feb 2020 14:37

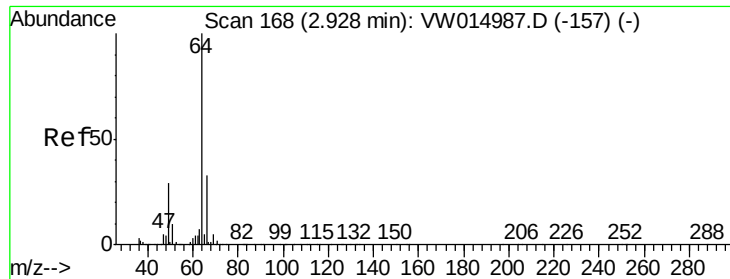
Tgt Ion: 94 Resp: 14937

Ion Ratio Lower Upper

94 100

96 82.0 65.8 122.2





#8

Chloroethane

Concen: 2.013 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

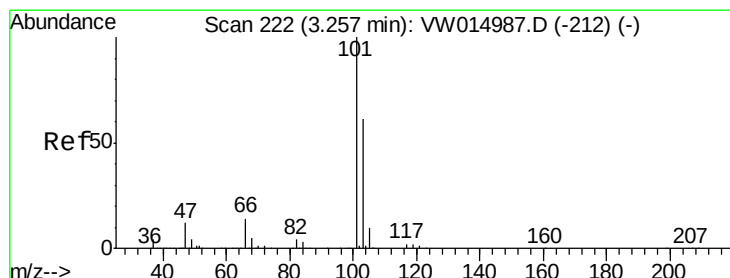
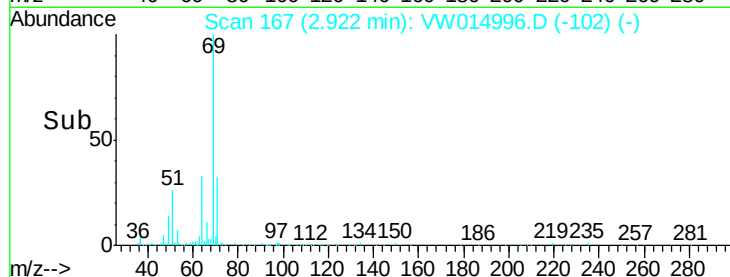
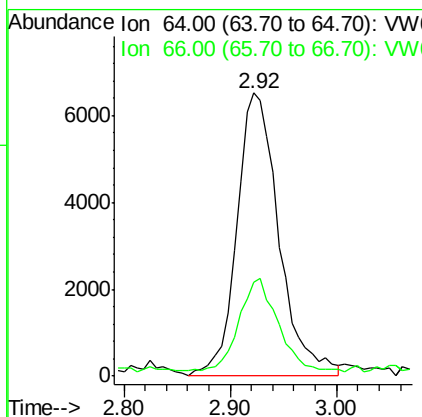
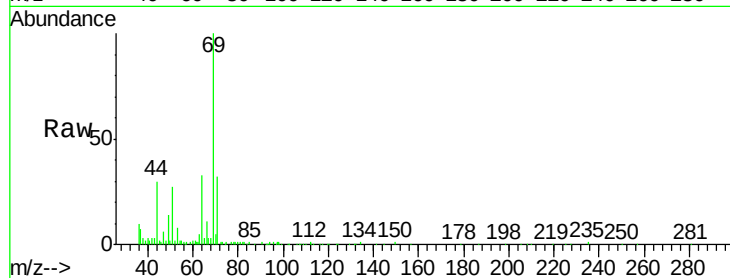
ClientSampleId :

MDL06

Tot Ion	64	Resp	18111
Ion Ratio	Lower	Upper	
64	100		
66	33.3	23.1	42.9

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 1.650 ug/L

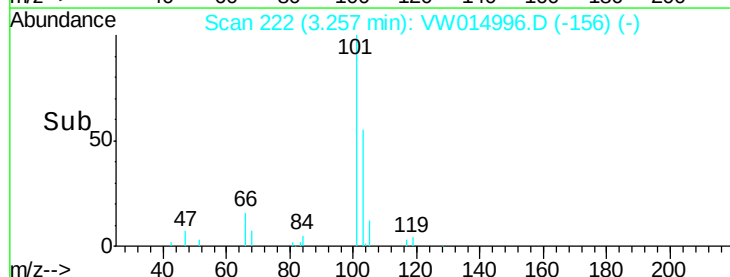
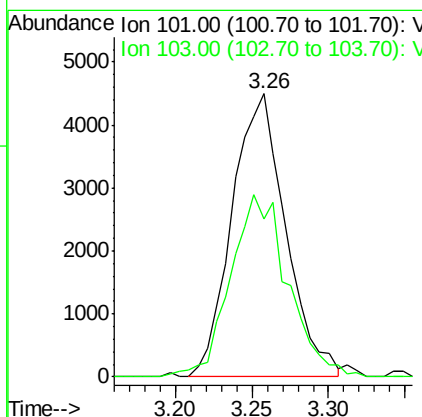
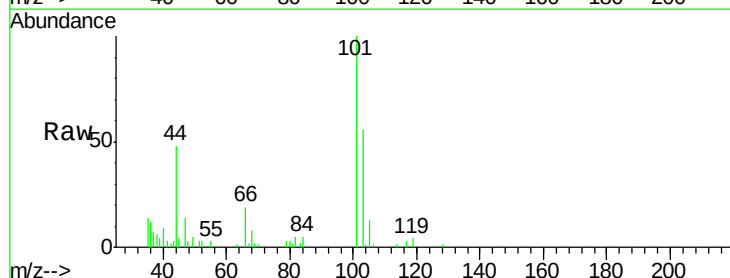
RT: 3.26 min Scan# 222

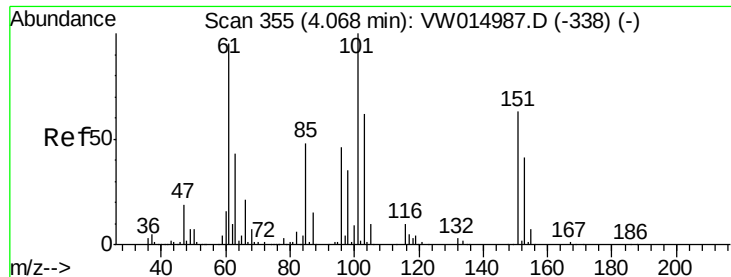
Delta R.T. -0.00 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Tgt Ion	101	Resp	10963
Ion Ratio	Lower	Upper	
101	100		
103	68.7	51.5	77.3





#10

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

Concen: 2.314 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

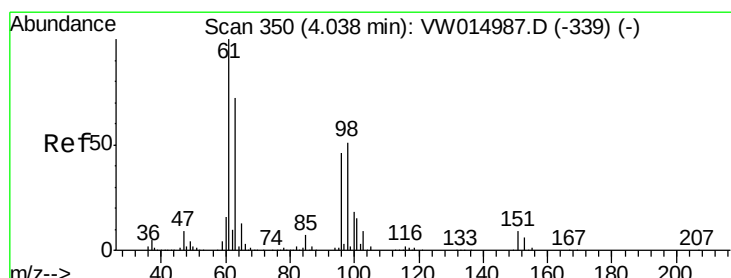
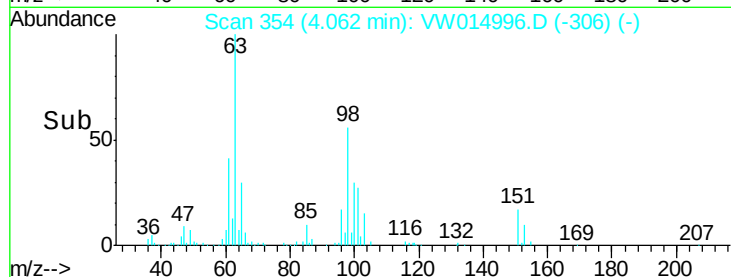
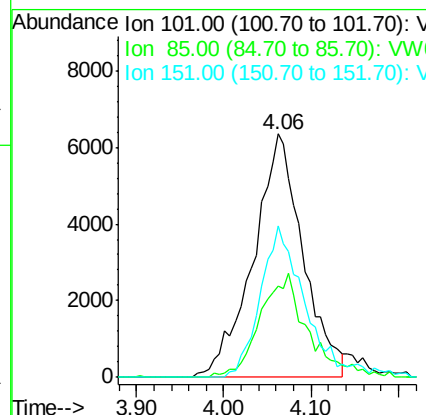
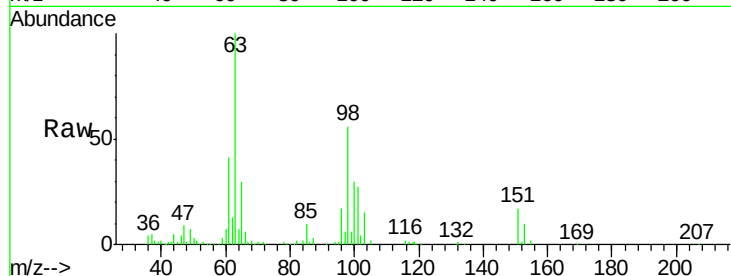
ClientSampled :

MDL06

Tot Ion:	101	Resp:	25146
Ion Ratio	Lower	Upper	
101	100		
85	39.1	36.5	54.7
151	51.4	50.2	75.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.182 ug/L

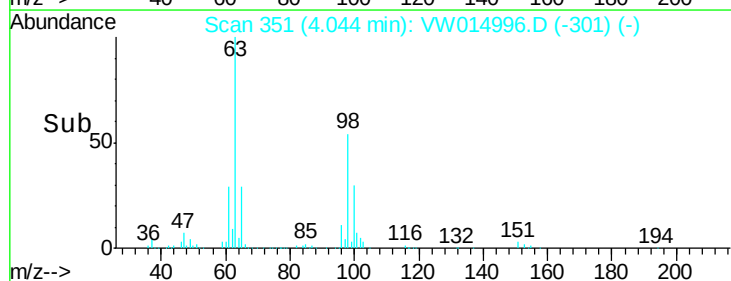
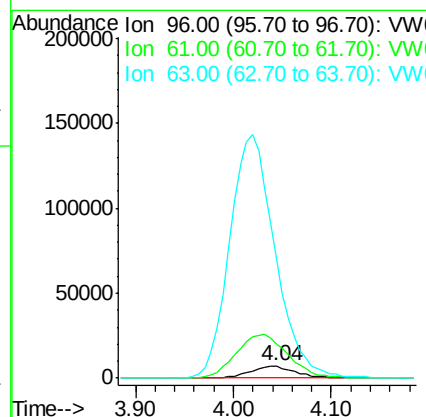
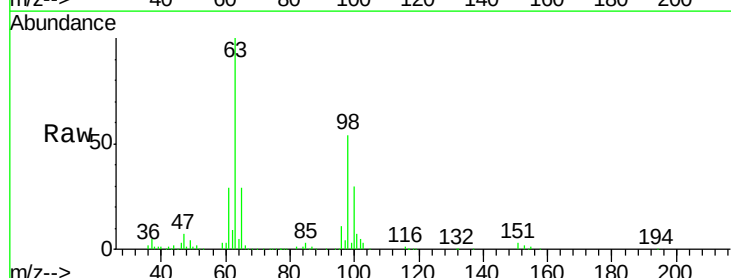
RT: 4.04 min Scan# 351

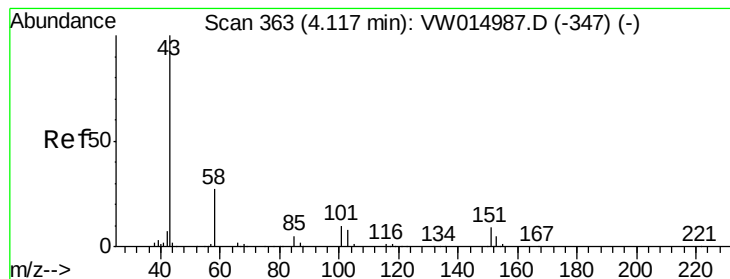
Delta R.T. 0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Tgt Ion:	96	Resp:	22739
Ion Ratio	Lower	Upper	
96	100		
61	274.7	147.0	273.0#
63	945.4	113.4	210.6#





#13

Acetone

Concen: 4.469 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 18313

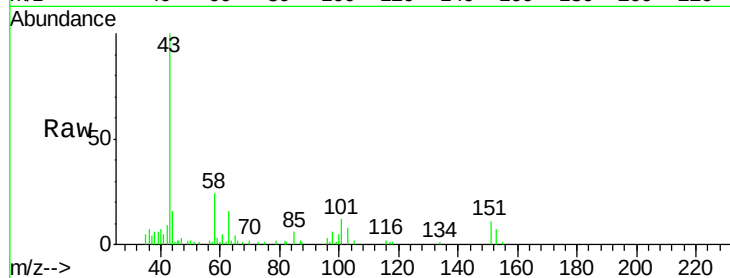
Ion Ratio Lower Upper

43 100

58 27.0 0.0 54.6

Manual Integrations
APPROVED

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2/17/2020 3:46:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

8000

6000

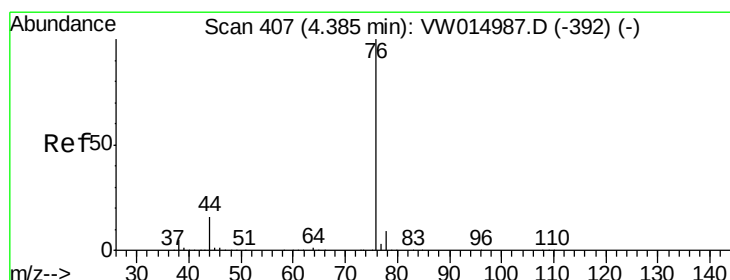
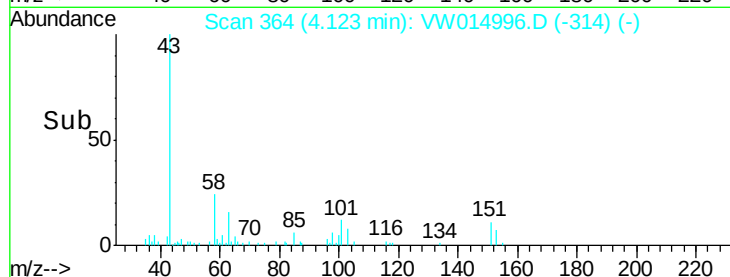
4000

2000

0

Time-->

4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 1.896 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014996.D

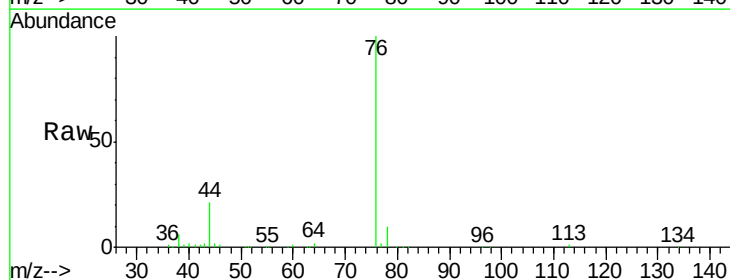
Acq: 14 Feb 2020 14:37

Tgt Ion: 76 Resp: 71442

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

25000

20000

15000

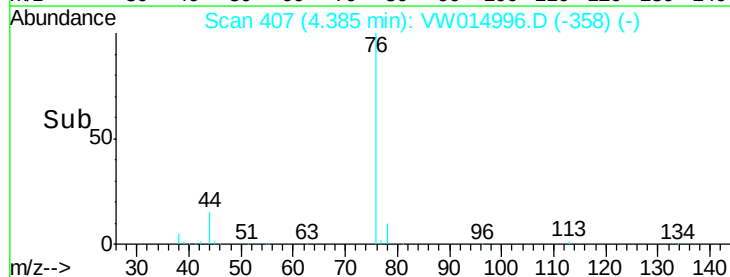
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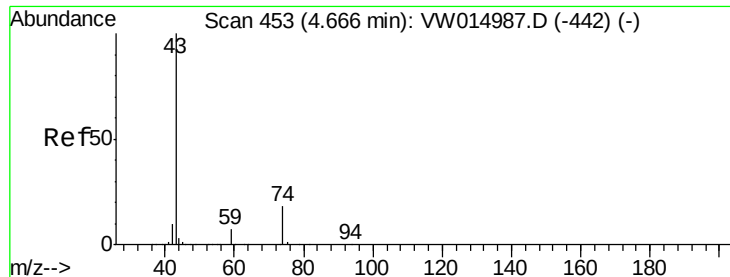
5000

0

Time-->

4.30 4.40 4.50





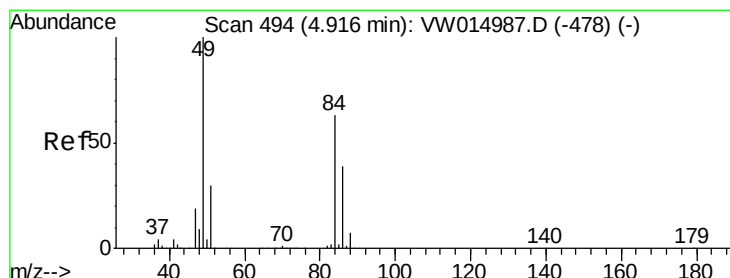
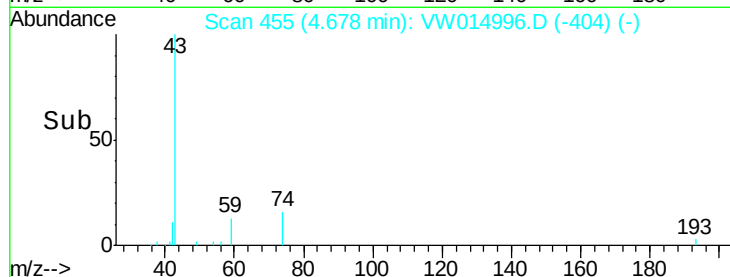
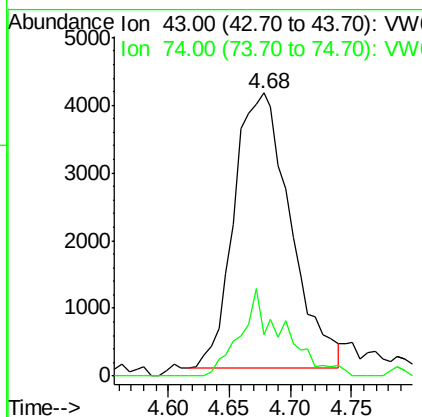
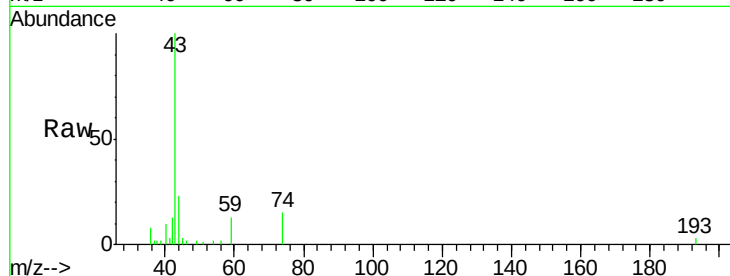
#15
Methvl Acetate
Concen: 1.829 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 13003
Ion Ratio Lower Upper
43 100
74 12.4 14.6 21.8#

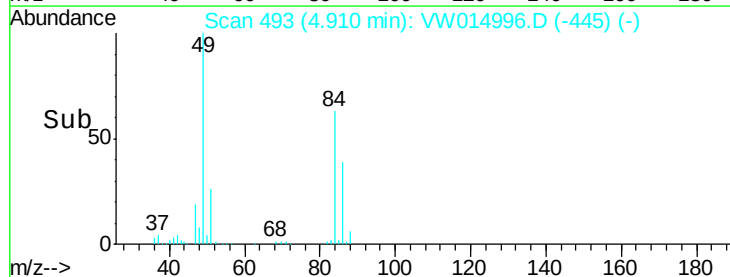
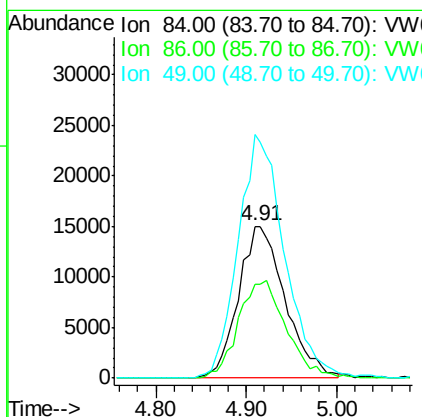
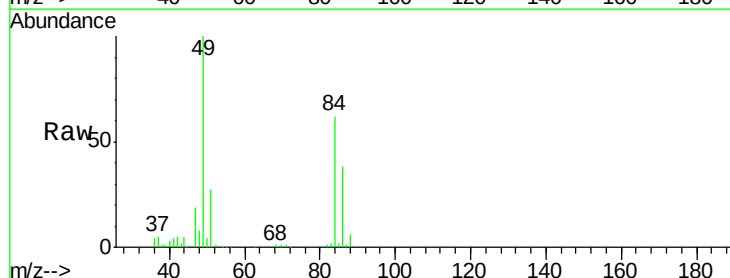
Manual Integrations
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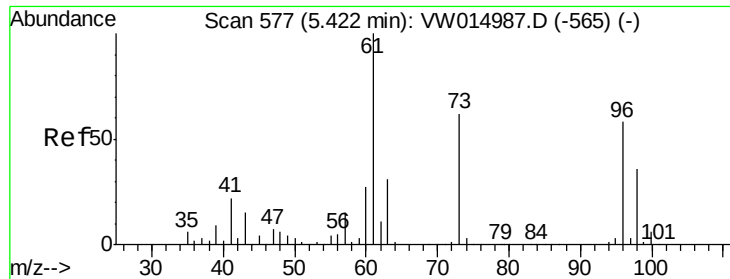
MMDadoda
2/17/2020 3:46:40 PM



#16
Methylene chloride
Concen: 4.147 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Tgt Ion: 84 Resp: 53588
Ion Ratio Lower Upper
84 100
86 61.6 44.4 82.4
49 160.4 109.0 202.4





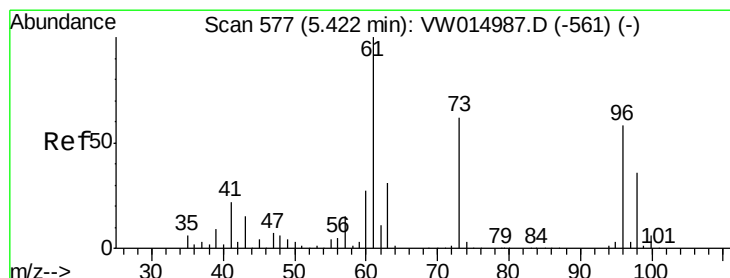
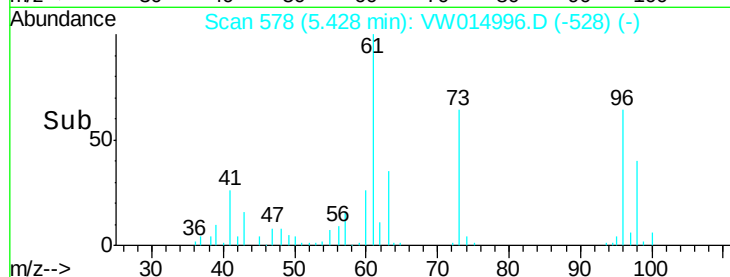
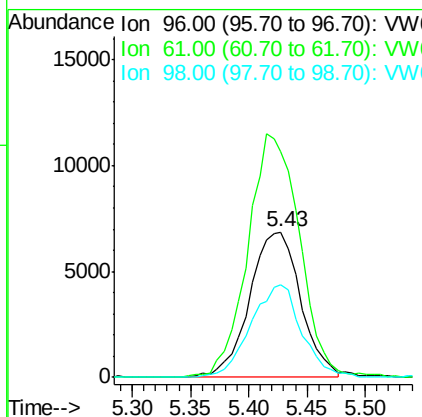
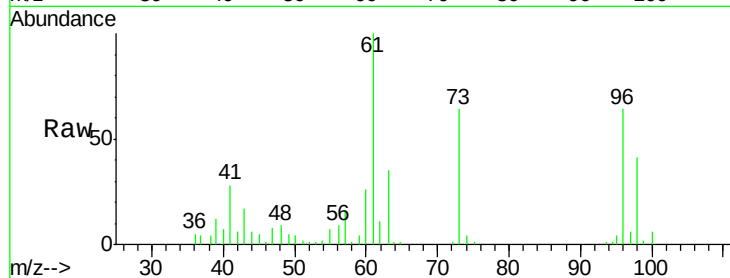
#17
trans-1,2-Dichloroethene
Concen: 1.980 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.6	120.1	223.1
98	63.2	43.8	81.3

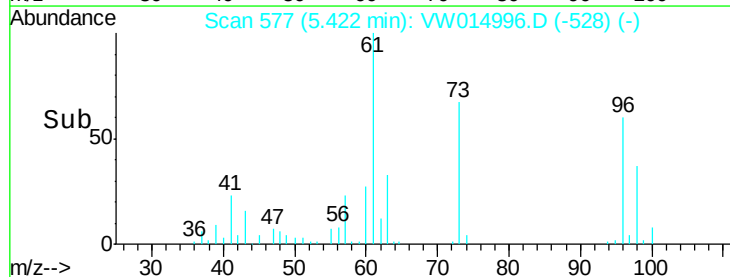
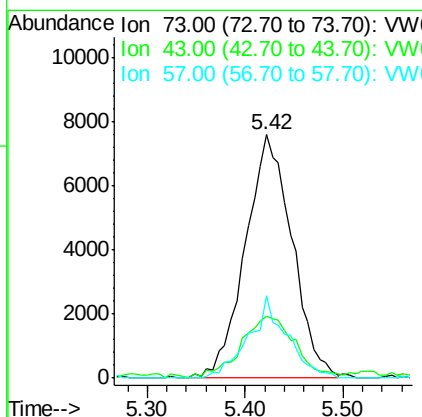
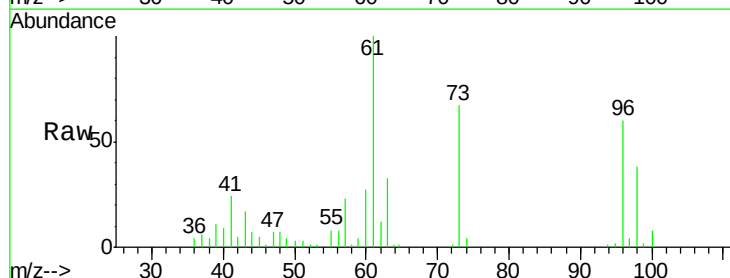
Manual Integrations
APPROVED

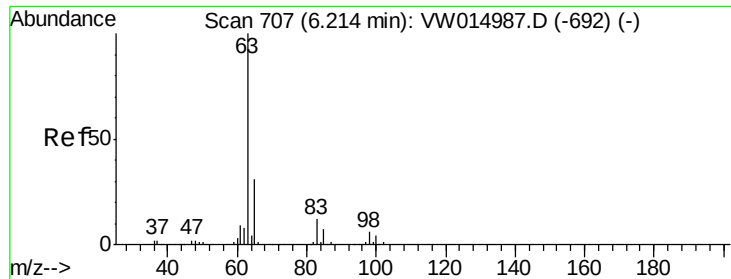
MMDadoda
2/17/2020 3:46:40 PM



#18
Methyl tert-butyl Ether
Concen: 1.941 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
73	100		
43	29.6	19.6	29.4#
57	15.7	21.0	31.4#





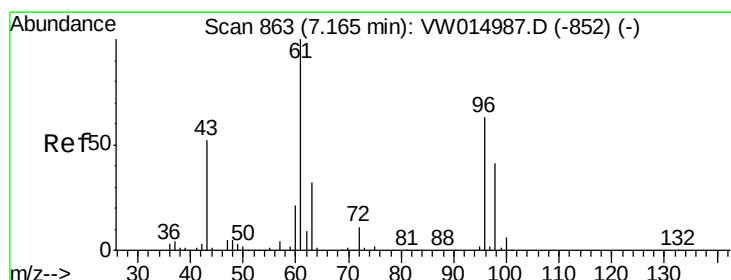
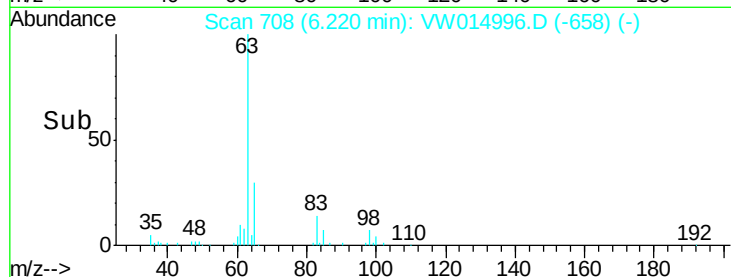
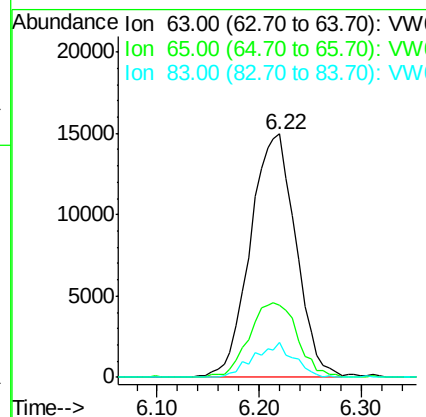
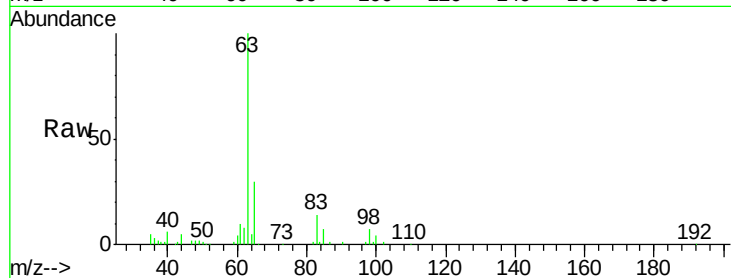
#19
 1,1-Dichloroethane
 Concen: 1.972 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	20.9	38.7
83	14.2	7.8	14.6

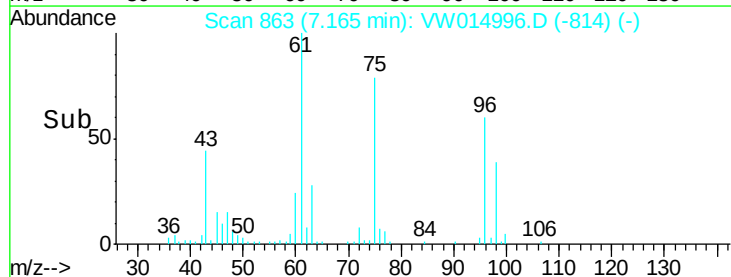
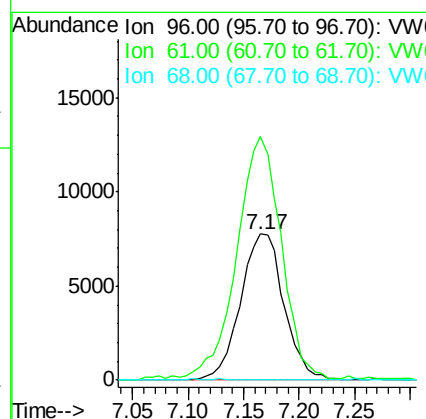
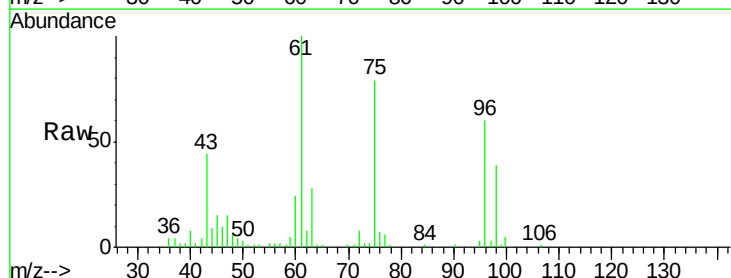
Manual Integrations
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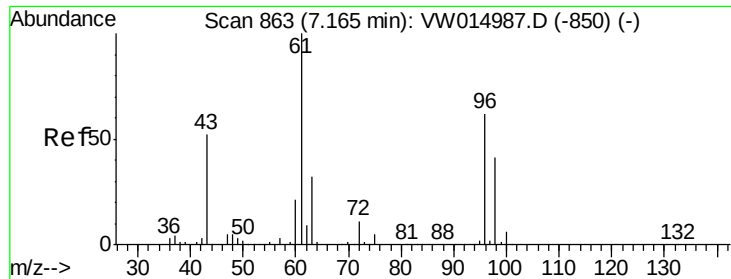
MMDadoda
 2/17/2020 3:46:40 PM



#20
 cis-1,2-Dichloroethene
 Concen: 1.937 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.1	111.5	207.1
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.322 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 21291

Ion Ratio Lower Upper

43 100

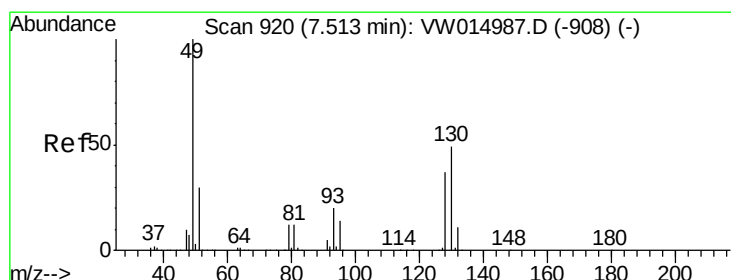
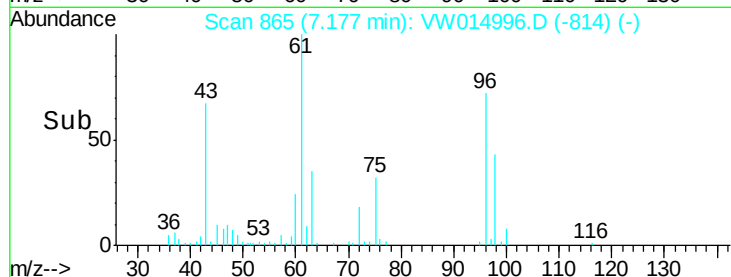
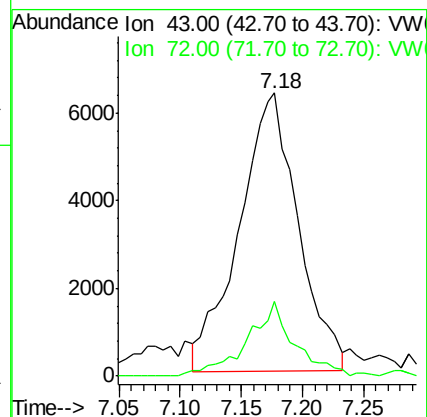
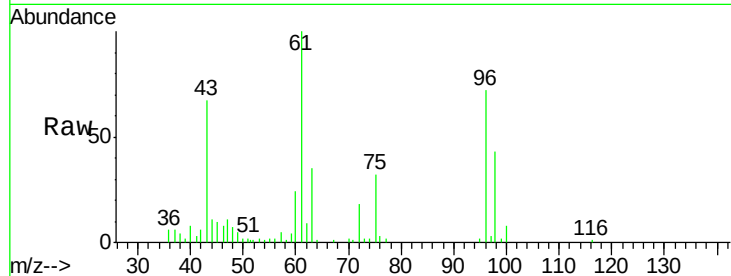
72 16.7 11.1 33.1

Manual Integrations

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#23

Bromochloromethane

Concen: 2.121 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Tgt Ion: 128 Resp: 9324

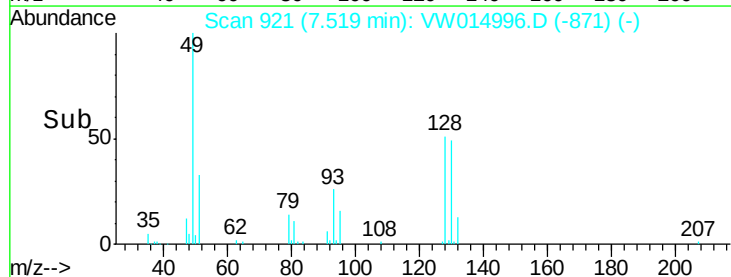
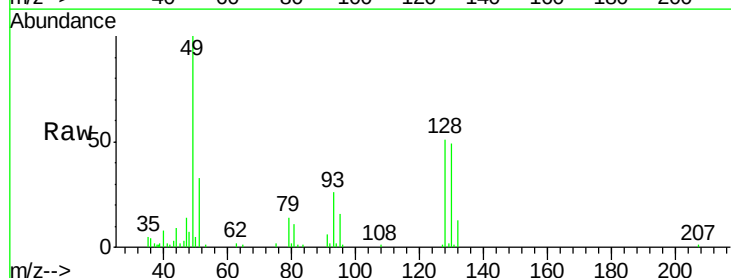
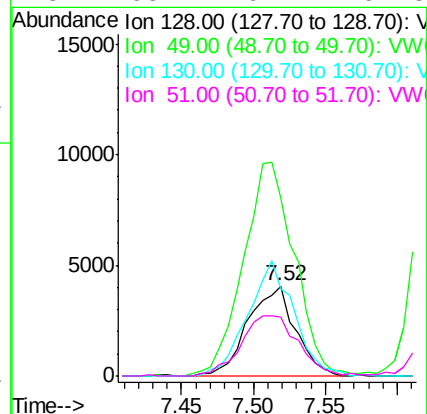
Ion Ratio Lower Upper

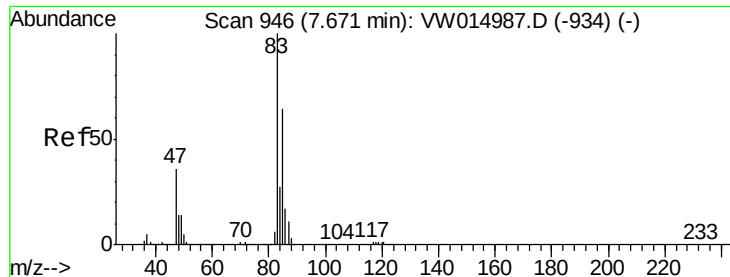
128 100

49 198.0 179.0 332.4

130 96.6 85.5 158.7

51 65.2 61.7 92.5





#25

Chloroform

Concen: 2.157 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion: 83 Resp: 45151

Ion Ratio Lower Upper

83 100

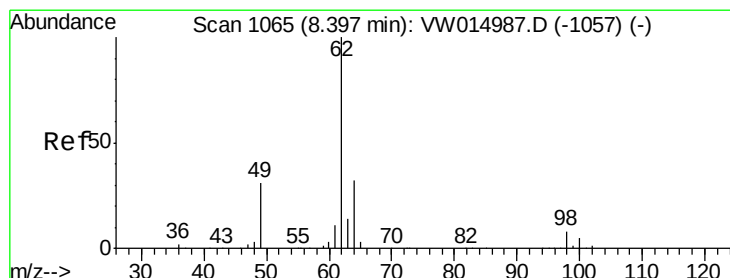
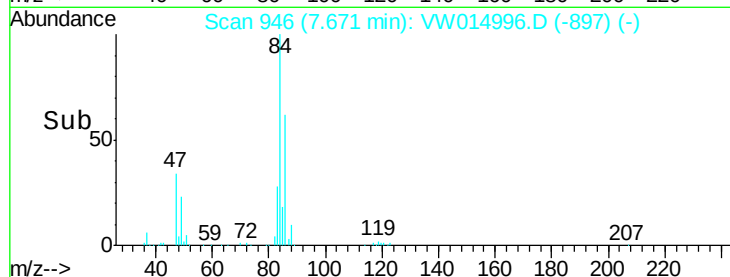
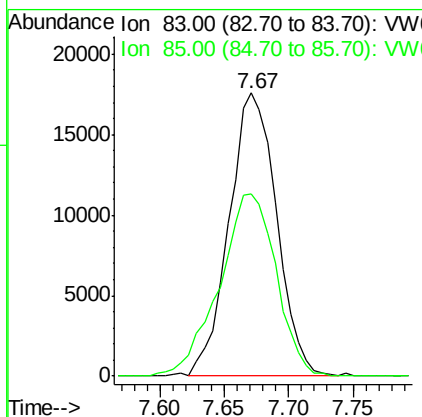
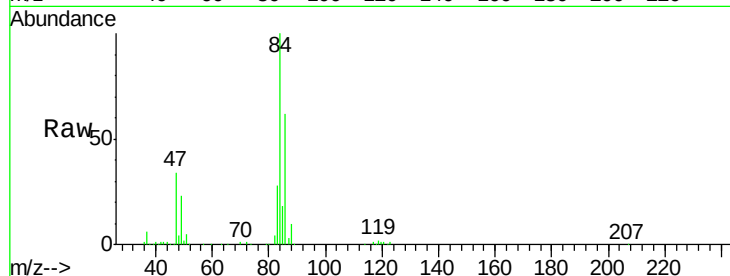
85 64.2 45.1 83.7

Manual Integrations

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MMDadoda

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#27

1,2-Dichloroethane

Concen: 2.131 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014996.D

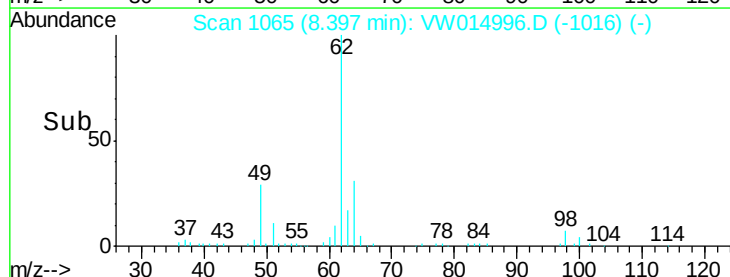
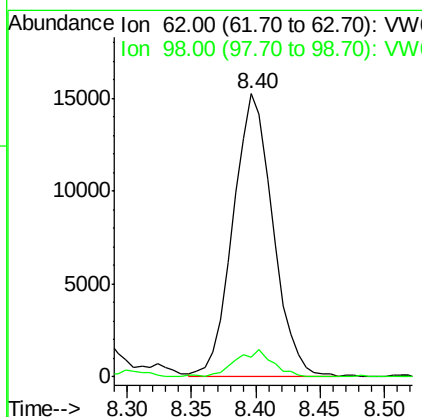
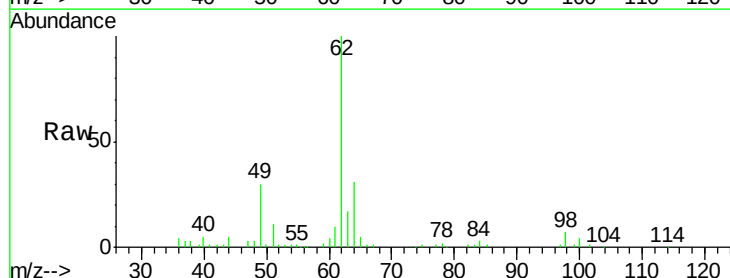
Acq: 14 Feb 2020 14:37

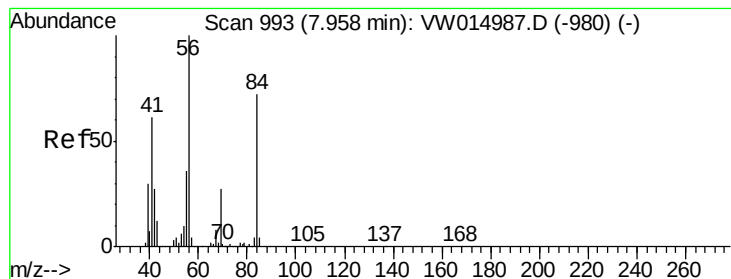
Tgt Ion: 62 Resp: 32784

Ion Ratio Lower Upper

62 100

98 6.9 6.2 9.4





#29

Cyclohexane

Concen: 1.553 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

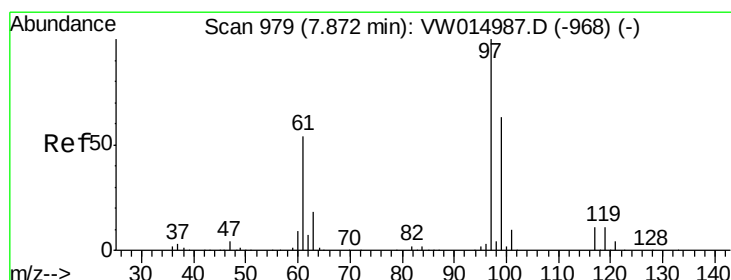
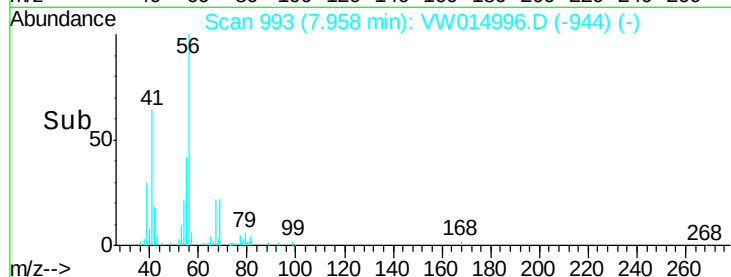
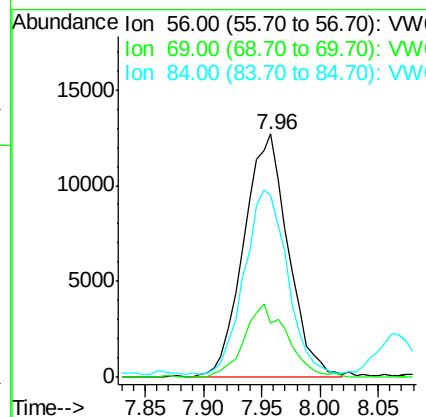
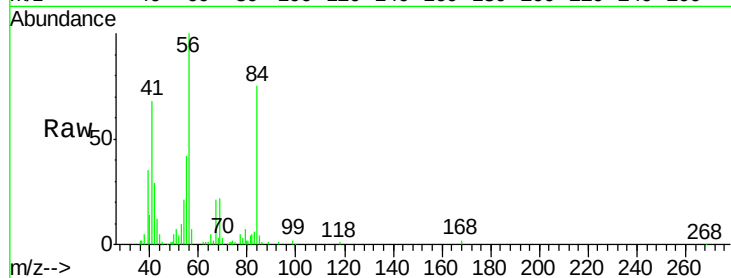
ClientSampled :

MDL06

Tot Ion:	56	Resp:	33716
Ion Ratio	Lower	Upper	
56	100		
69	18.3	22.0	33.0#
84	73.2	57.8	86.6

Manual Integrations
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MMDadoda
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#30

1,1,1-Trichloroethane

Concen: 1.982 ug/L

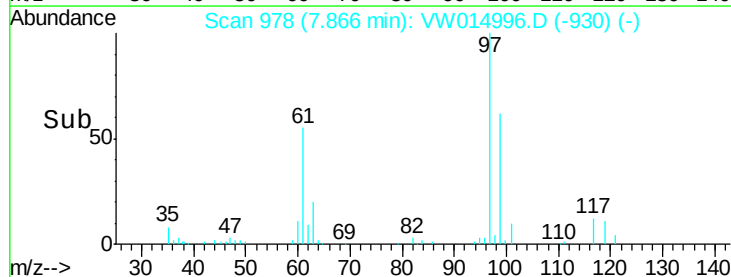
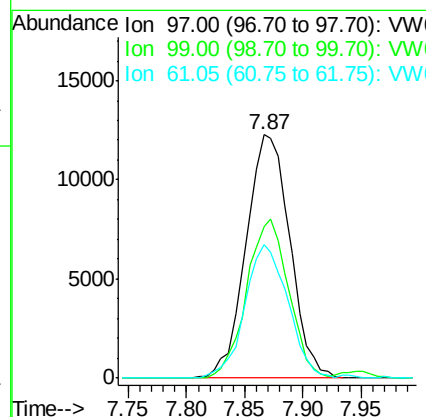
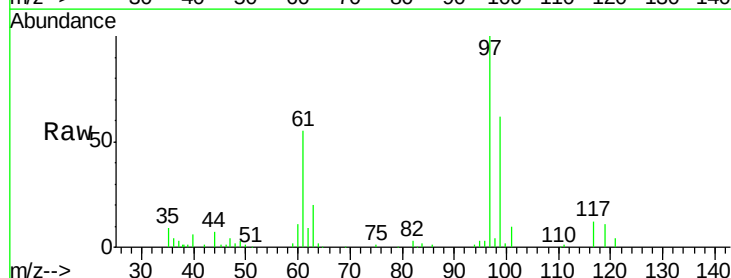
RT: 7.87 min Scan# 978

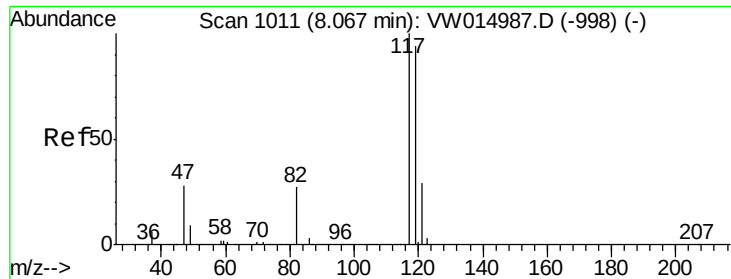
Delta R.T. -0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Tgt Ion:	97	Resp:	32101
Ion Ratio	Lower	Upper	
97	100		
99	62.6	50.6	75.8
61	53.6	42.7	64.1





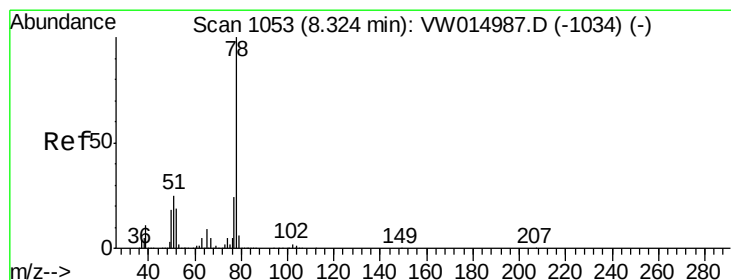
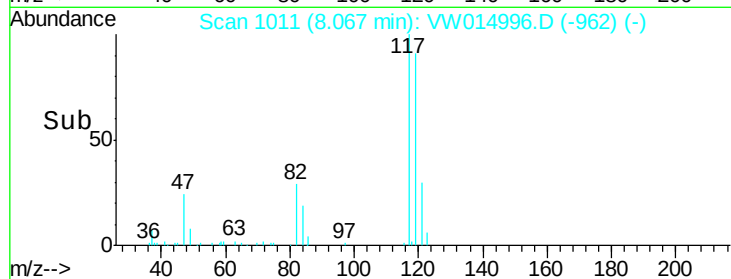
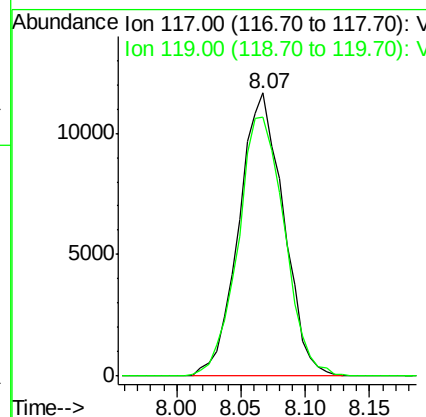
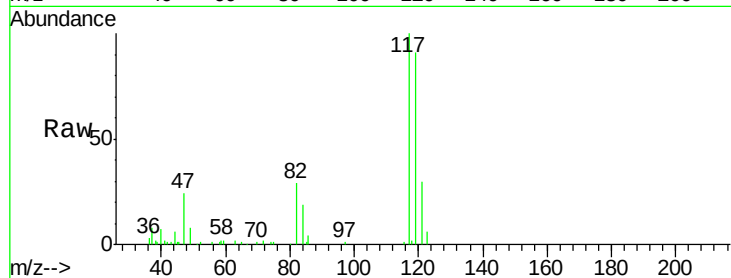
#31
Carbon tetrachloride
Concen: 1.920 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion:117 Resp: 28038
Ion Ratio Lower Upper
117 100
119 95.1 76.6 114.8

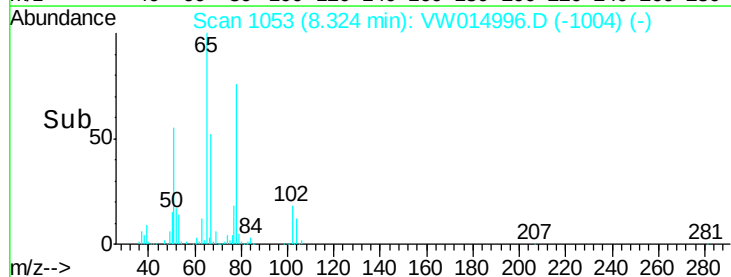
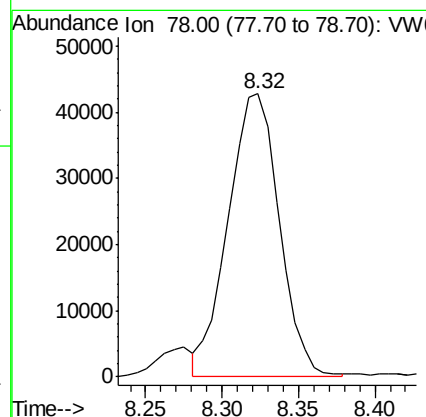
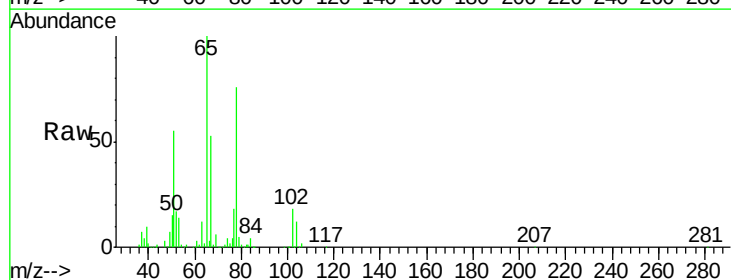
Manual Integrations
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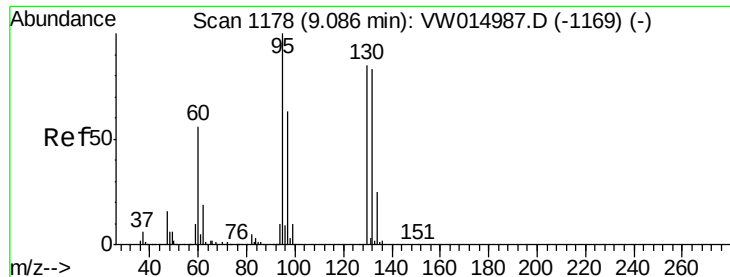
MMDadoda
2/17/2020 3:46:40 PM



#33
Benzene
Concen: 2.030 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Tgt Ion: 78 Resp: 99226





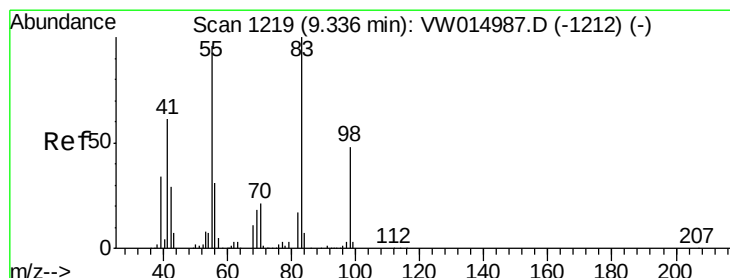
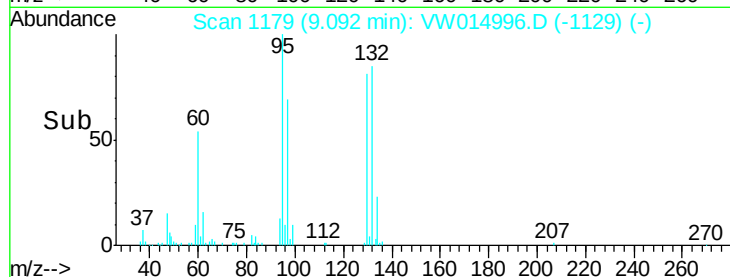
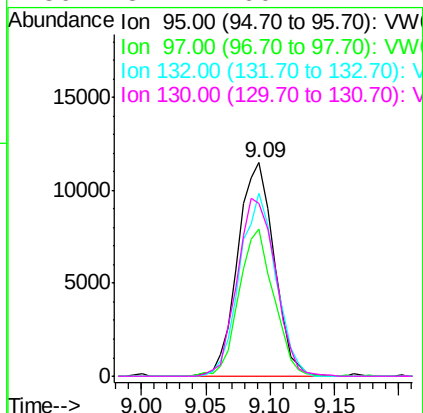
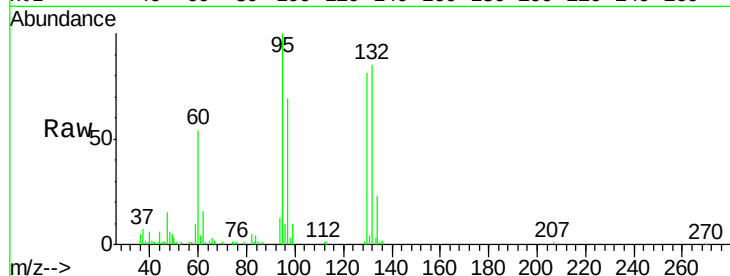
#34
 Trichloroethene
 Concen: 1.925 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		22540		
97	68.7	44.2	82.0		
132	85.4	56.1	104.3		
130	81.1	60.1	111.7		

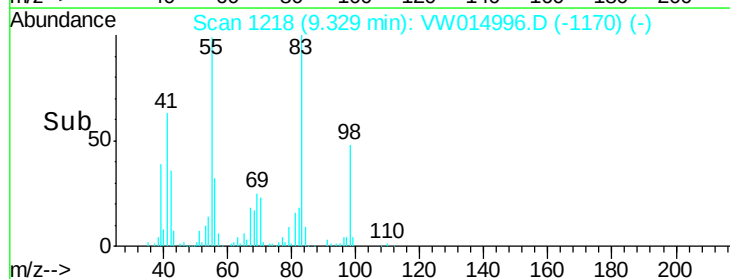
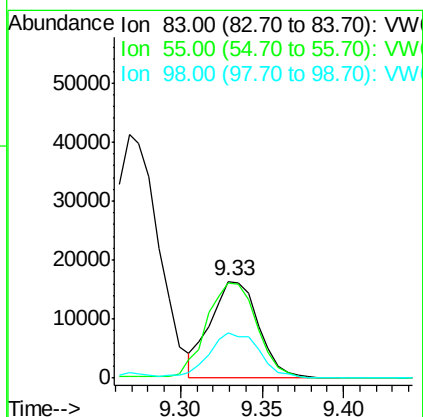
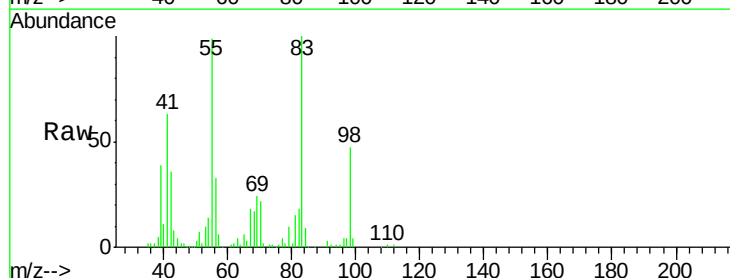
Manual Integrations
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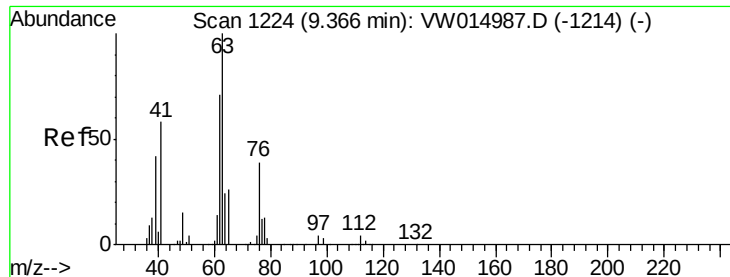
MMDadoda
 2/17/2020 3:46:40 PM



#35
 Methylcyclohexane
 Concen: 1.669 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		33712		
55	104.1	76.3	114.5		
98	48.8	36.4	54.6		





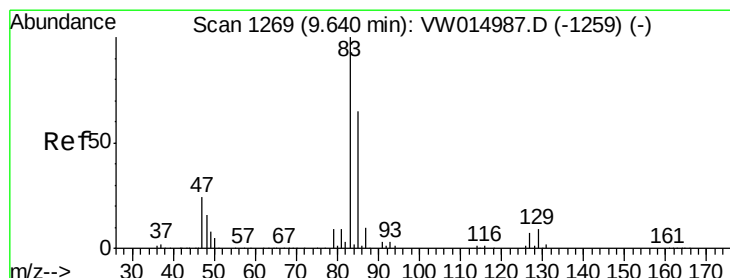
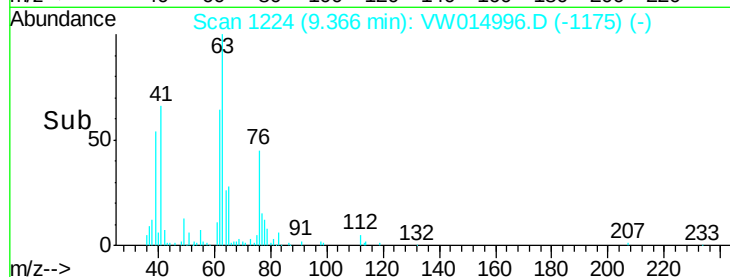
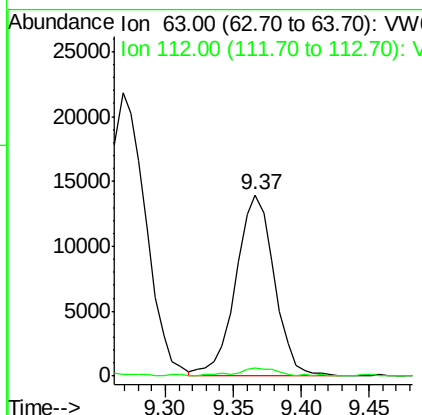
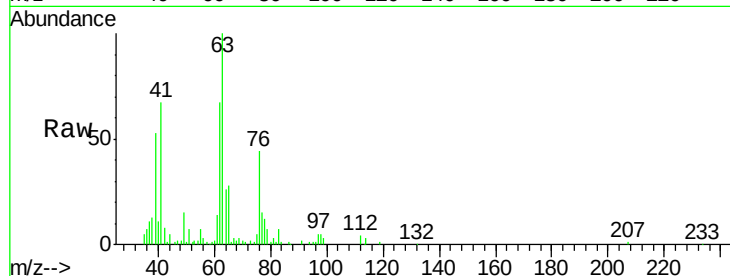
#37
 1,2-Dichloropropane
 Concen: 2.026 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion	63	Resp	27659
Ion Ratio	100	Lower	Upper
63	100		
112	3.9	2.6	4.0

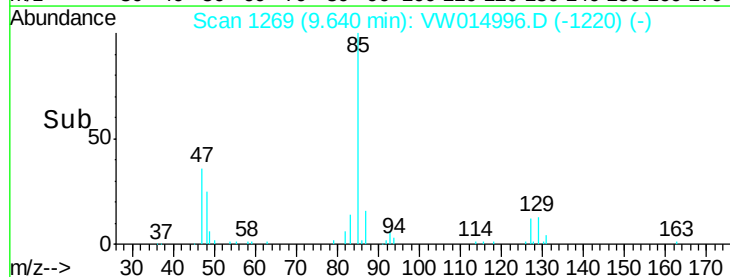
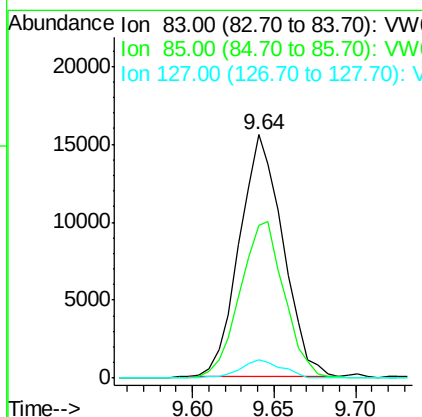
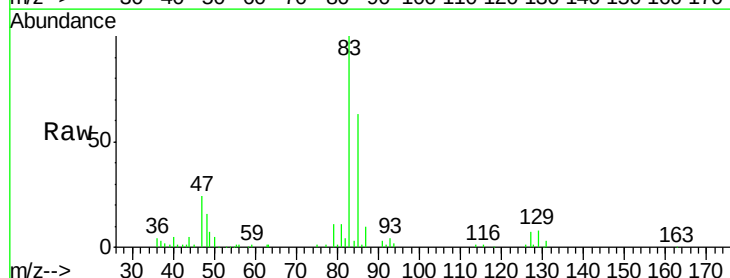
Manual Integrations
 APPROVED

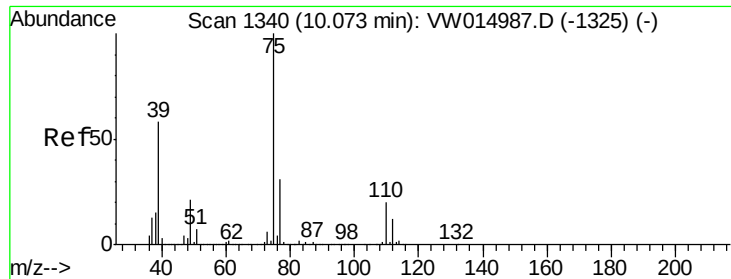
MMDadoda
 2/17/2020 3:46:40 PM



#38
 Bromodichloromethane
 Concen: 1.872 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Tgt Ion	83	Resp	28789
Ion Ratio	100	Lower	Upper
83	100		
85	62.6	45.2	84.0
127	7.3	5.5	8.3





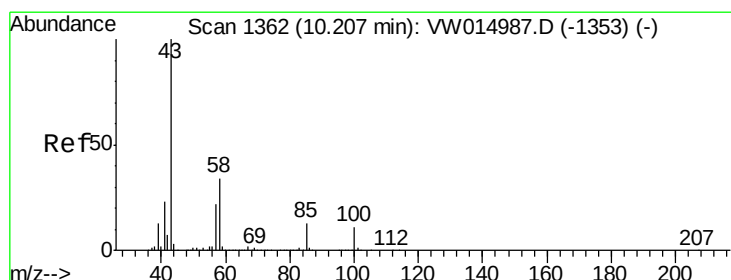
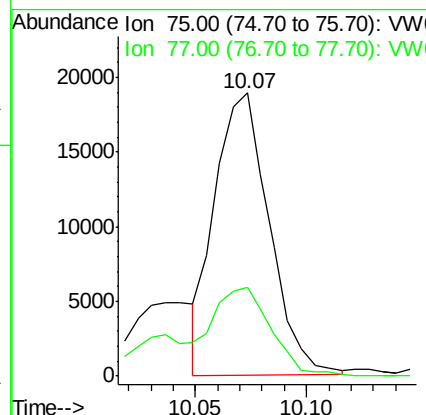
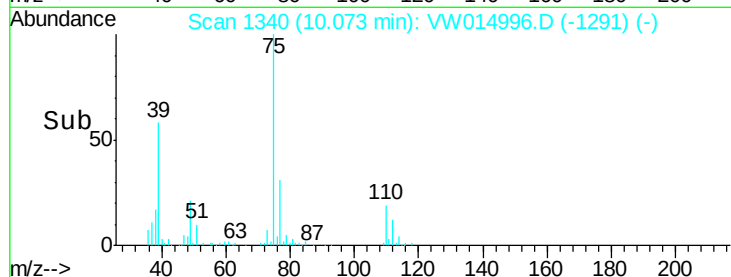
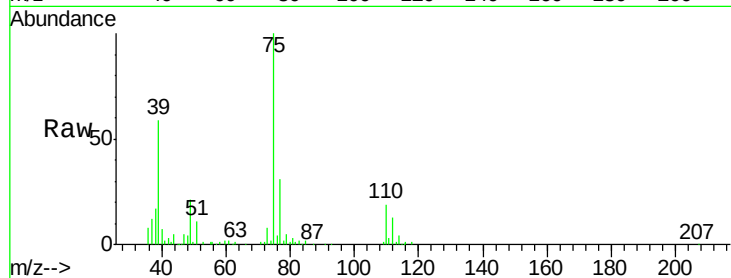
#39
 cis-1,3-Dichloropropene
 Concen: 1.753 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion: 75 Resp: 32024
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.6 40.2

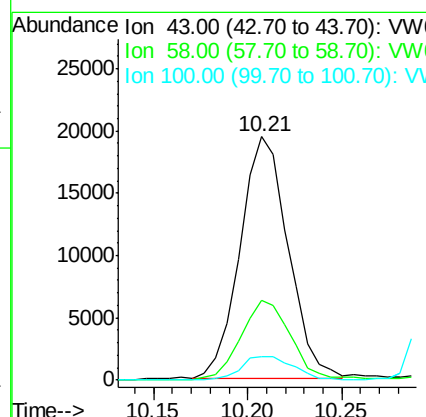
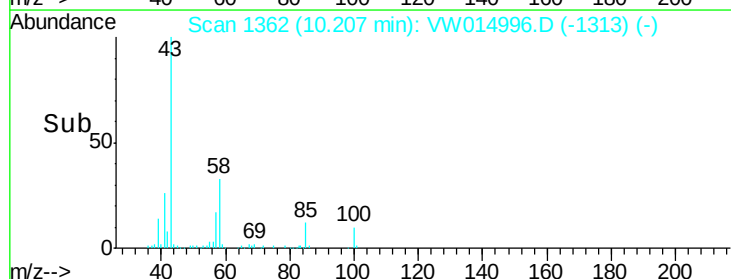
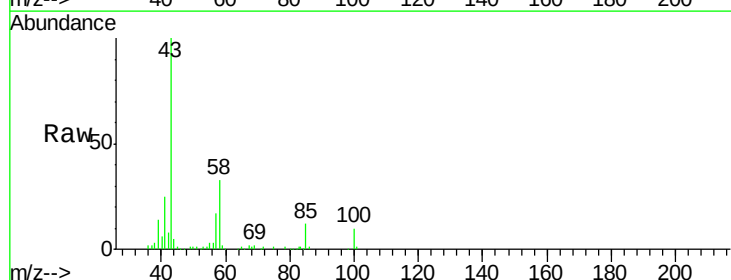
Manual Integrations
 APPROVED

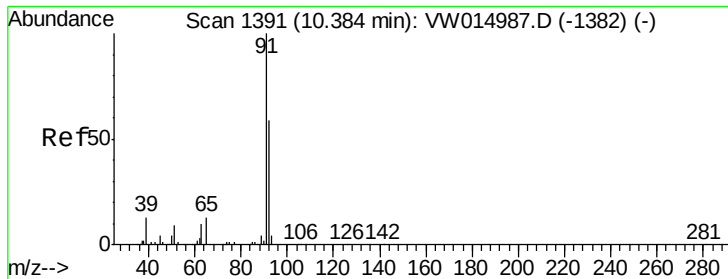
MMDadoda
 2/17/2020 3:46:40 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.545 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Tgt Ion: 43 Resp: 34460
 Ion Ratio Lower Upper
 43 100
 58 34.3 27.7 41.5
 100 10.6 8.6 13.0





#42

Toluene

Concen: 2.020 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampled :

MDL06

Tot Ion: 91 Resp: 95428

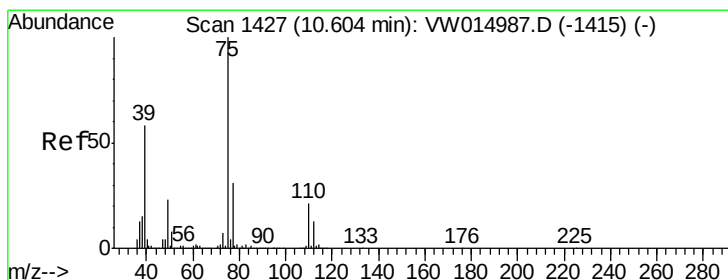
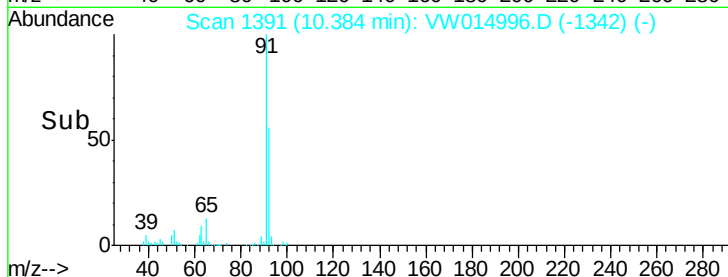
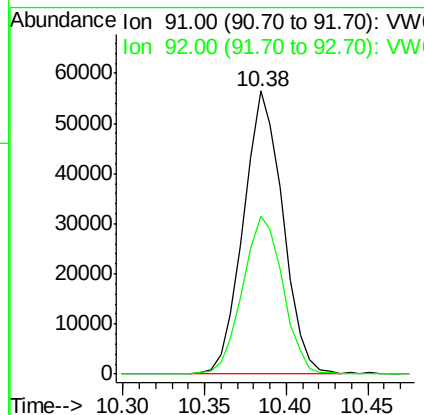
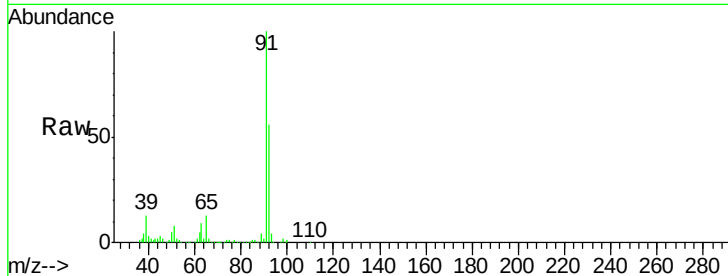
Ion Ratio Lower Upper

91 100

92 55.8 39.5 73.3

Manual Integrations
APPROVED

MMDadoda
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#44

trans-1,3-Dichloropropene

Concen: 1.995 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014996.D

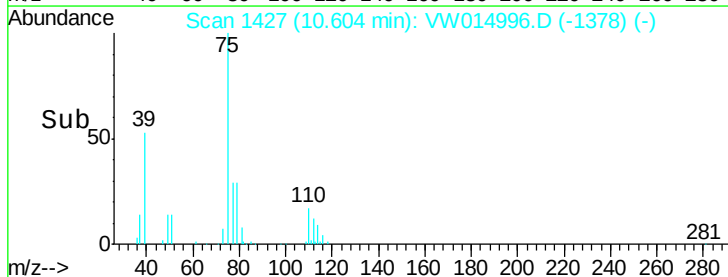
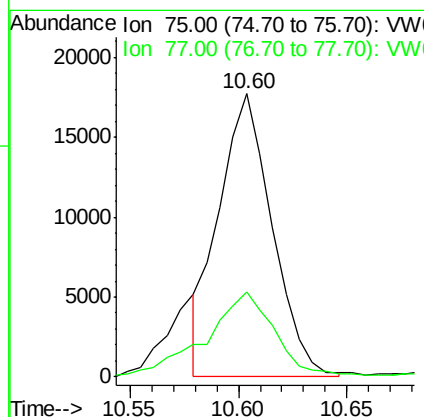
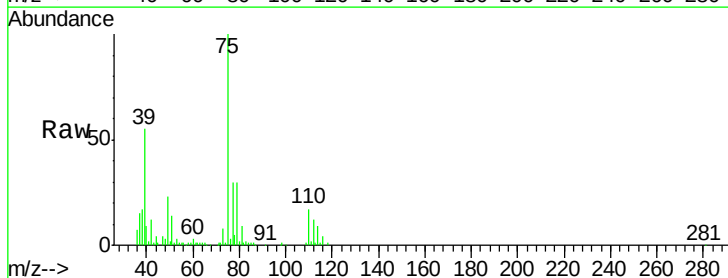
Acq: 14 Feb 2020 14:37

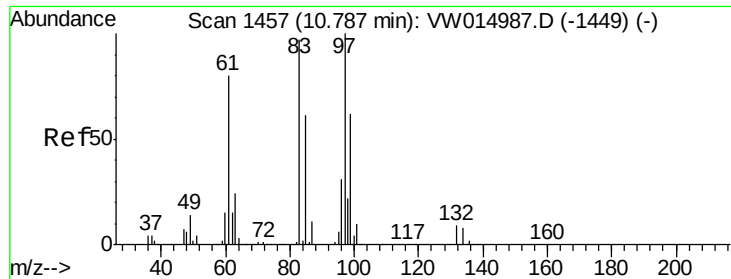
Tgt Ion: 75 Resp: 30233

Ion Ratio Lower Upper

75 100

77 29.9 22.7 42.1





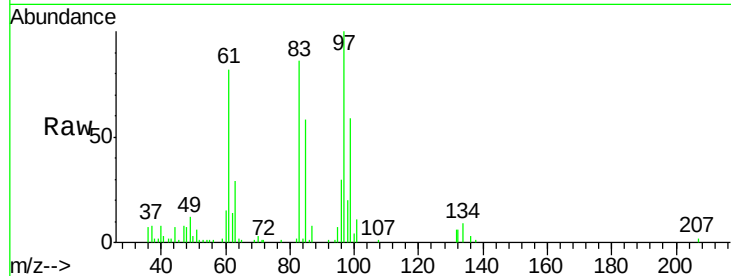
#45
1,1,2-Trichloroethane
Concen: 2.057 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	59.1	44.2	82.0
83	85.9	64.1	119.1
85	57.9	42.1	78.1

Manual Integrations
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MMDadoda
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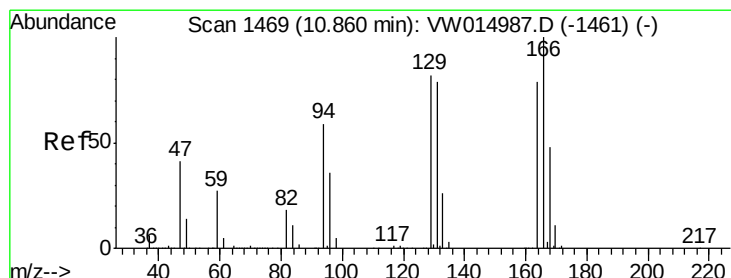
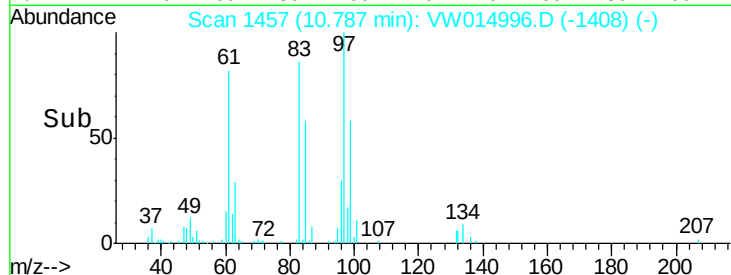
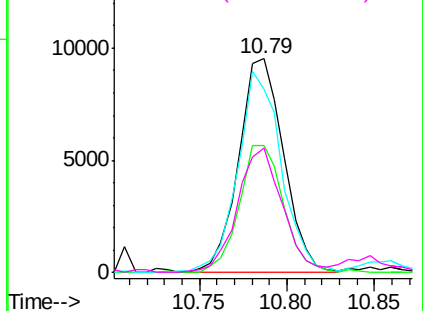
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46
Tetrachloroethene
Concen: 1.938 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
164	100		
129	101.8	72.2	134.2
131	98.4	68.1	126.5
166	122.3	90.6	168.2

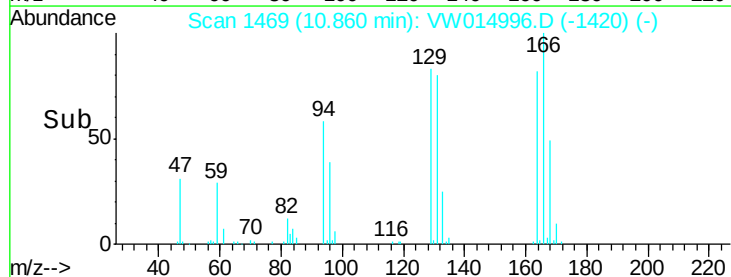
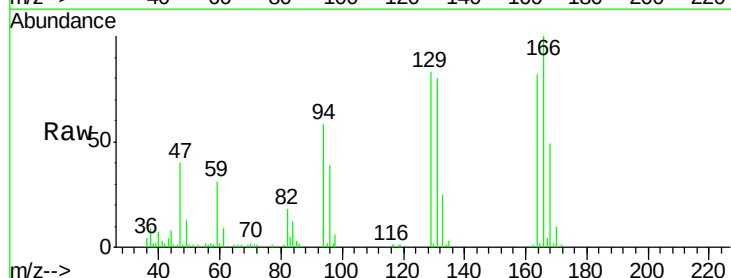
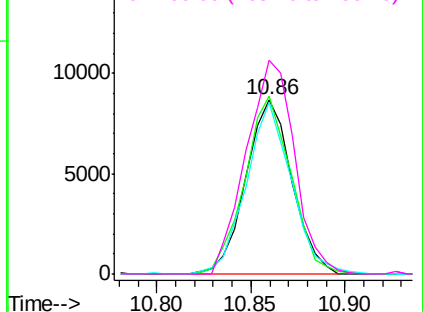
Abundance

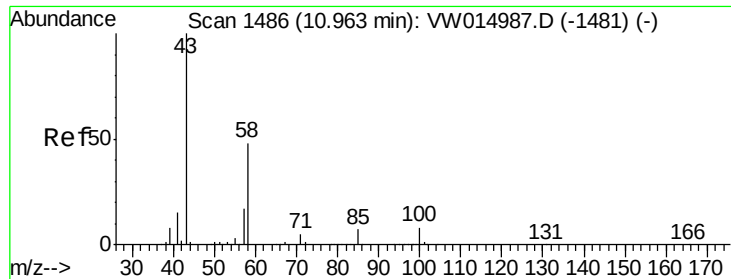
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





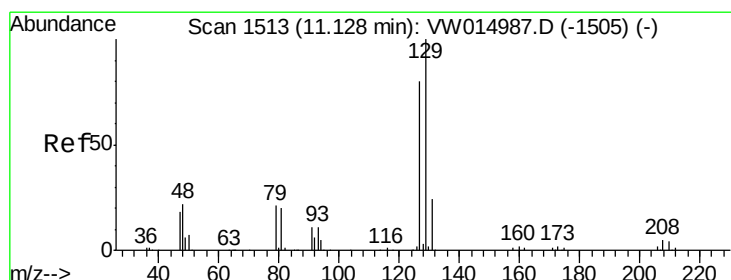
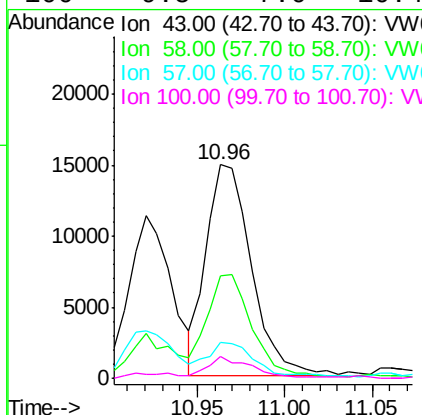
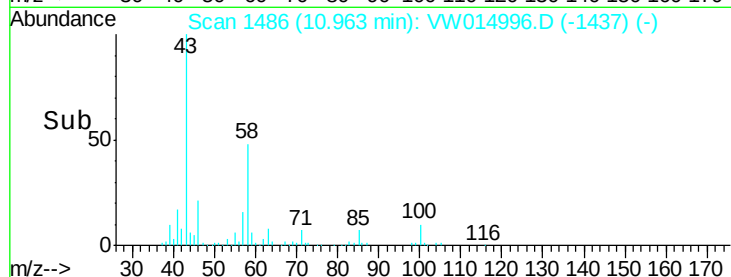
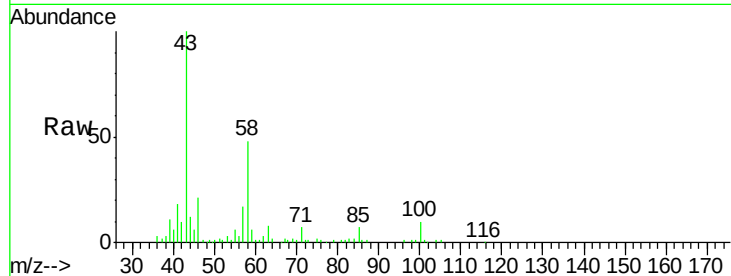
#48
2-Hexanone
Concen: 3.825 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	47.3	39.2	58.8	
57	16.7	13.1	19.7	
100	9.5	7.0	10.4	

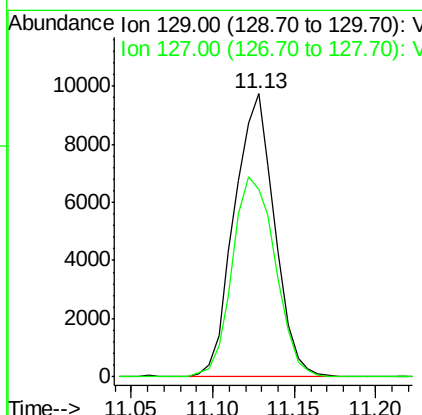
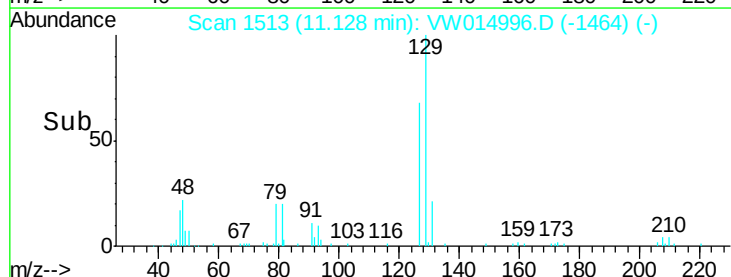
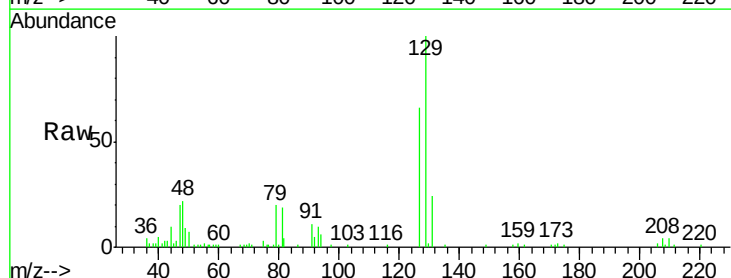
Manual Integrations
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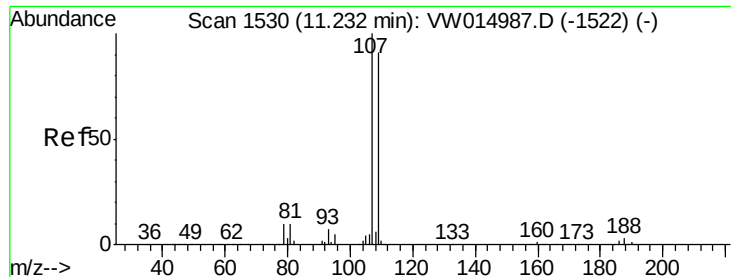
MMDadoda
2/17/2020 3:46:40 PM



#49
Dibromochloromethane
Concen: 1.945 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	66.1	53.0	98.4	





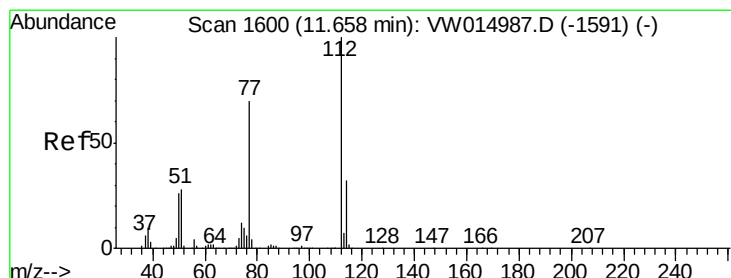
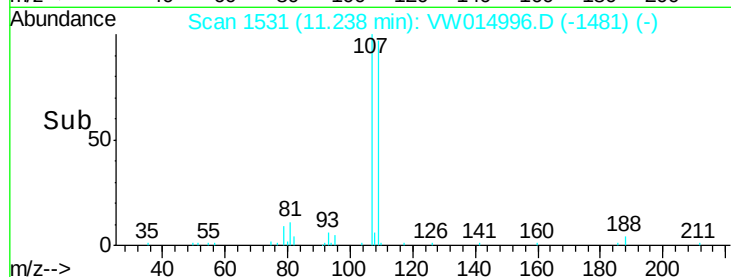
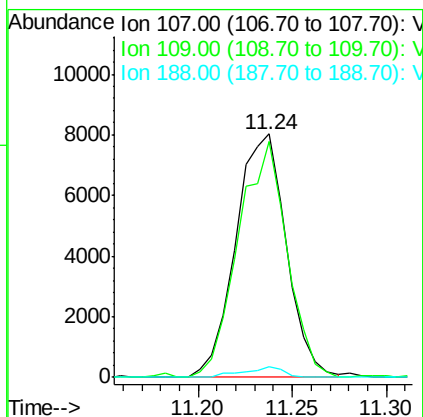
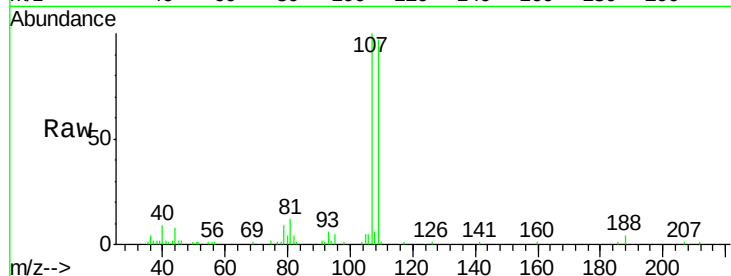
#50
1,2-Dibromoethane
Concen: 1.998 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	65.1	120.9
188	4.3	2.4	3.6#

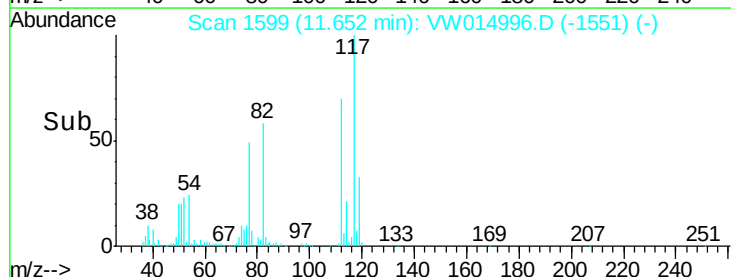
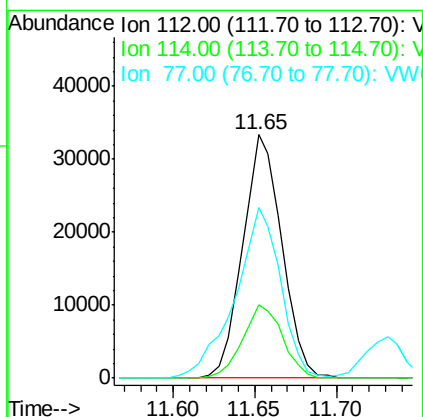
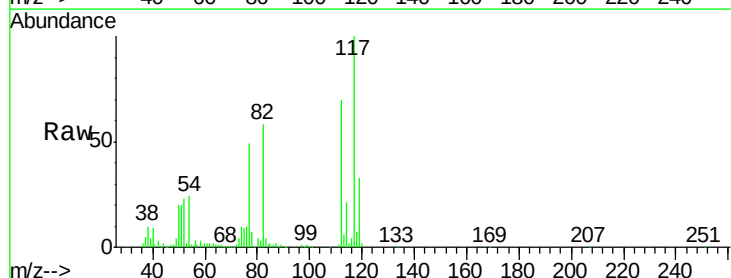
Manual Integrations
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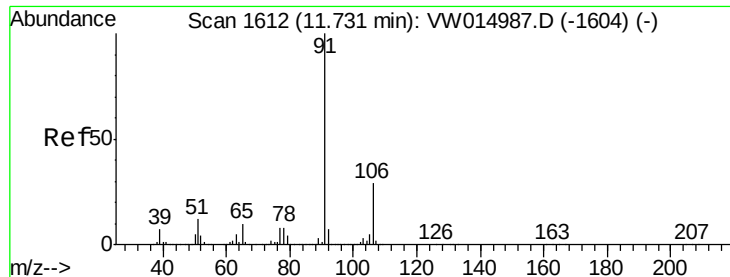
MMDadoda
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#51
Chlorobenzene
Concen: 2.003 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.2	22.6	42.0
77	70.2	54.6	82.0





#52

Ethylbenzene

Concen: 1.761 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampled :

MDL06

Tot Ion: 91 Resp: 90600

Ion Ratio Lower Upper

91 100

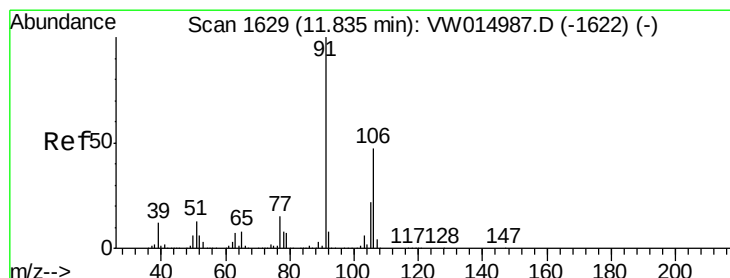
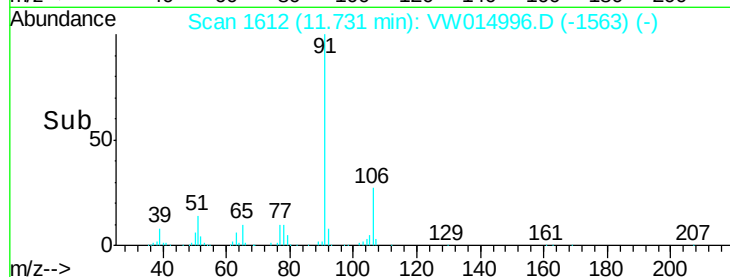
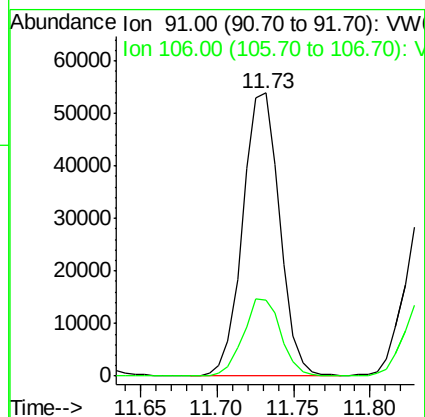
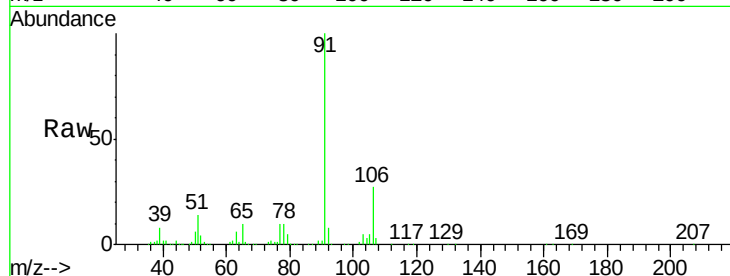
106 26.7 20.2 37.4

Manual Integrations

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#53

m,p-Xylene

Concen: 1.723 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014996.D

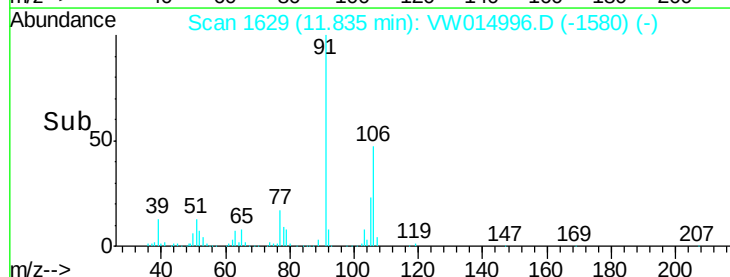
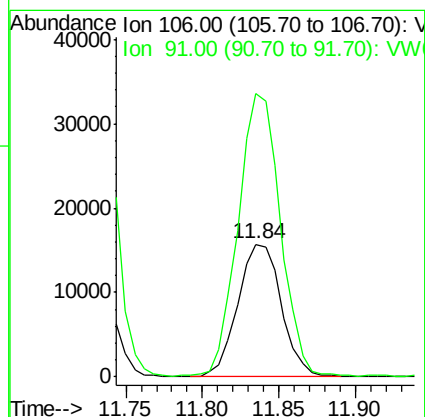
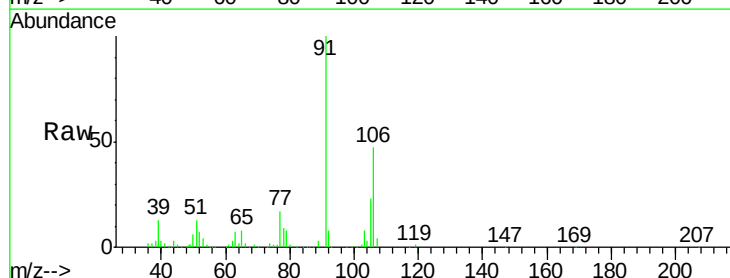
Acq: 14 Feb 2020 14:37

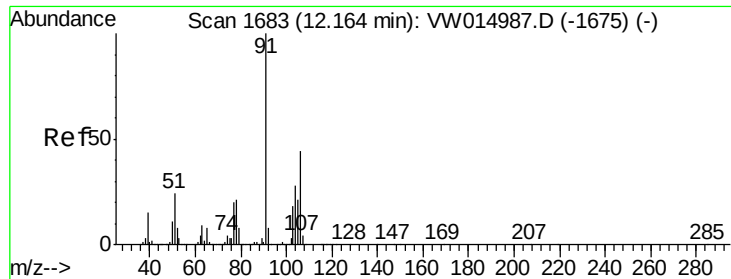
Tgt Ion: 106 Resp: 31109

Ion Ratio Lower Upper

106 100

91 213.2 149.2 277.2





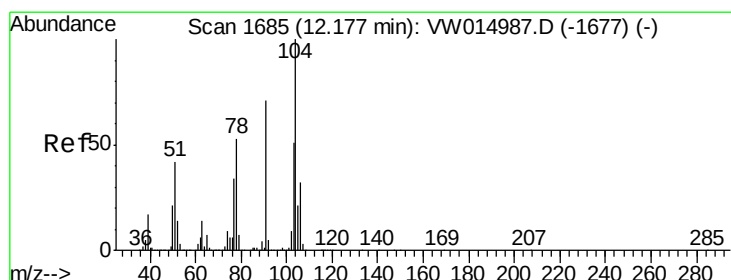
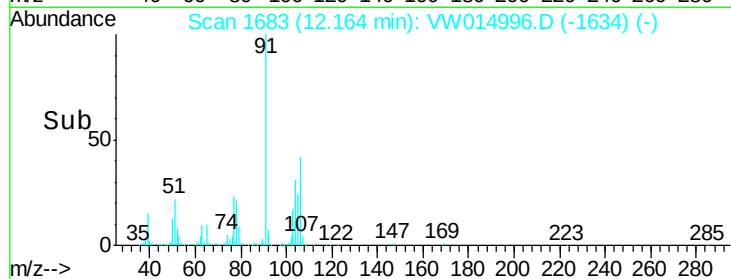
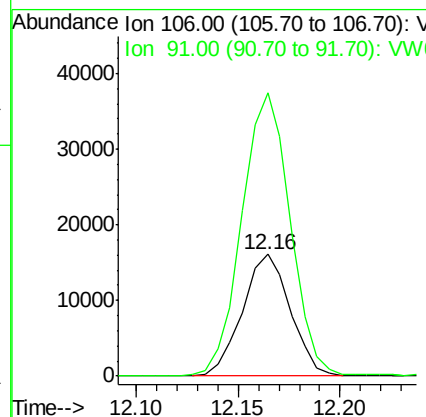
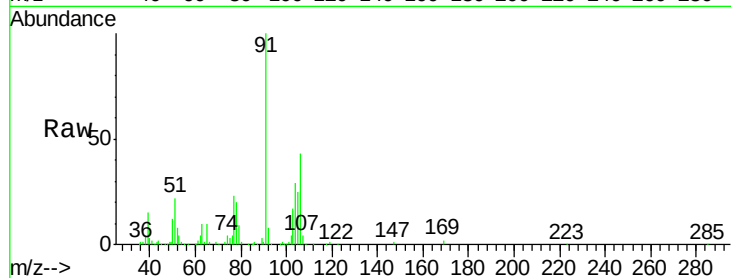
#54
o-Xylene
Concen: 1.556 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion:106 Resp: 26381
Ion Ratio Lower Upper
106 100
91 232.3 163.7 304.1

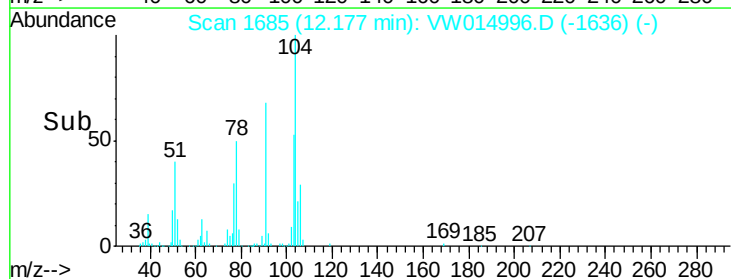
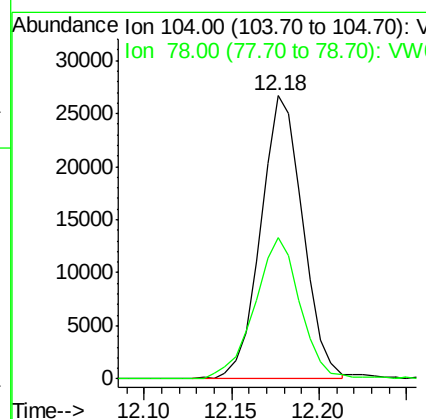
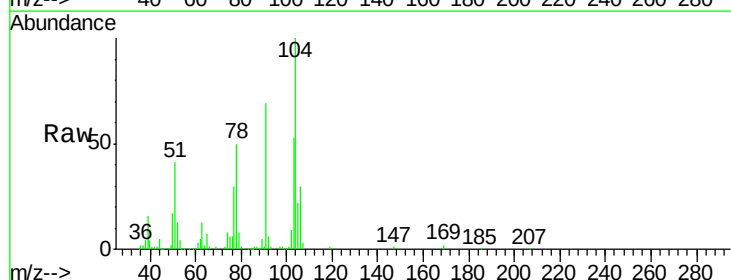
Manual Integrations
APPROVED

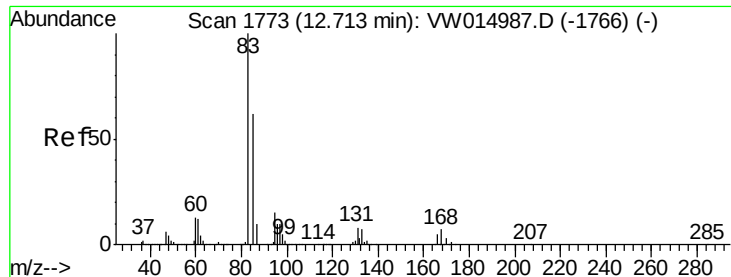
MMDadoda
2/17/2020 3:46:40 PM



#55
Styrene
Concen: 1.534 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Tgt Ion:104 Resp: 44835
Ion Ratio Lower Upper
104 100
78 49.9 36.8 68.4





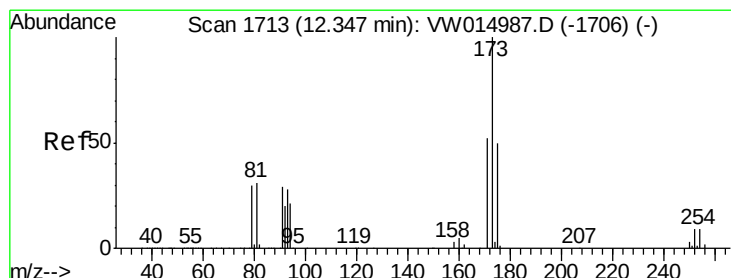
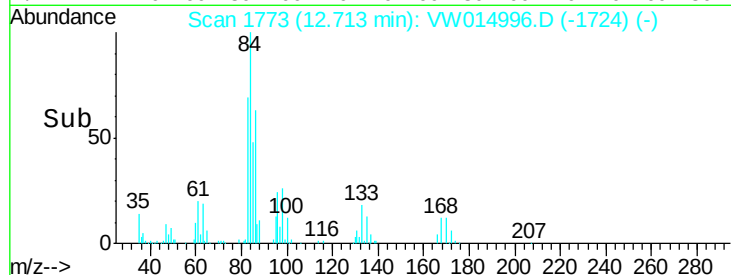
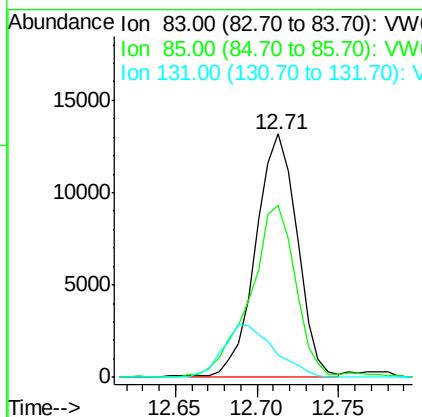
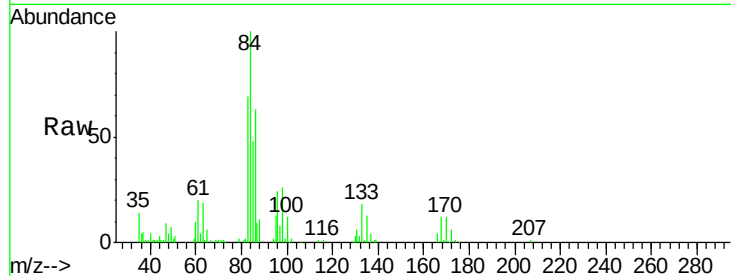
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.105 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
83	100		
85	70.4	44.9	83.5
131	9.0	6.2	9.2

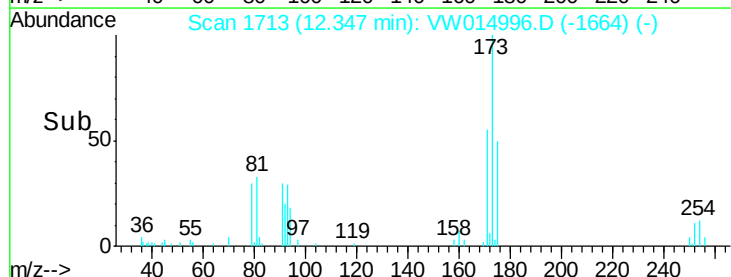
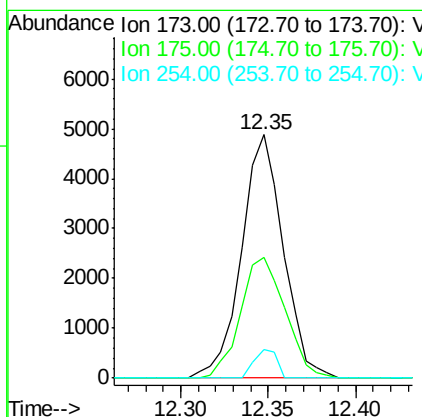
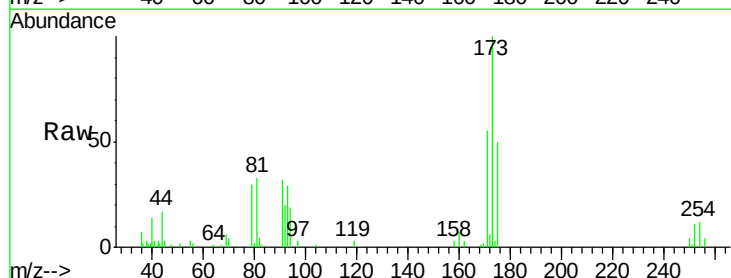
Manual Integrations
 APPROVED

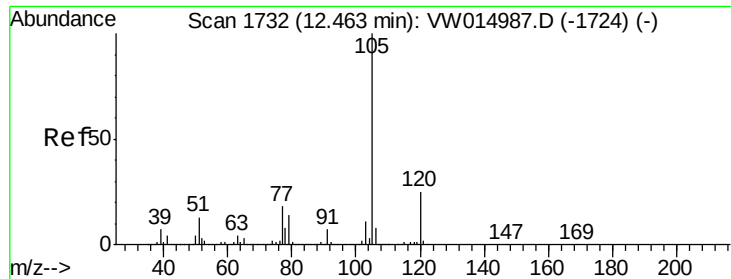
MMDadoda
 2/17/2020 3:46:40 PM



#59
 Bromoform
 Concen: 1.969 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW014996.D
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Tgt Ion	Ratio	Lower	Upper
173	100		
175	53.0	39.0	58.4
254	6.4	7.1	10.7#





#60

Isopropylbenzene

Concen: 1.669 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

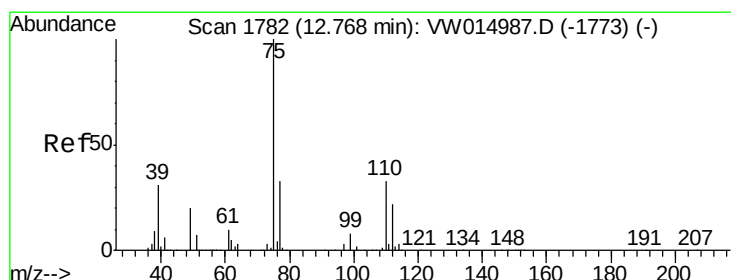
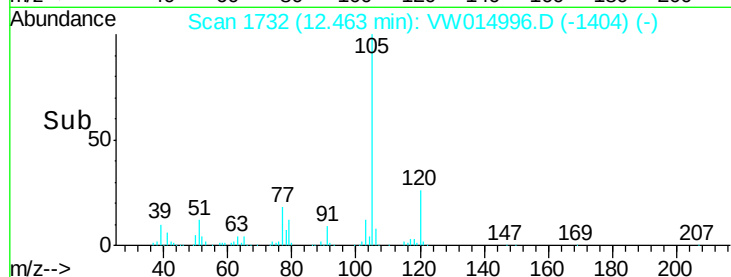
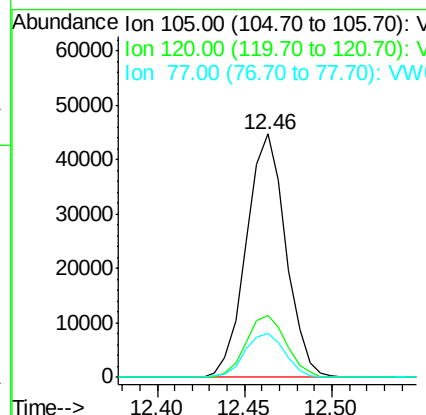
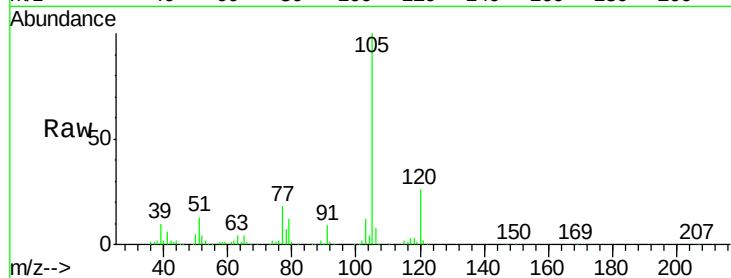
ClientSampled :

MDL06

Tot Ion:	105	Resp:	70348
Ion Ratio	Lower	Upper	
105	100		
120	26.1	20.1	30.1
77	18.7	14.4	21.6

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#61

1,2,3-Trichloropropane

Concen: 2.169 ug/L

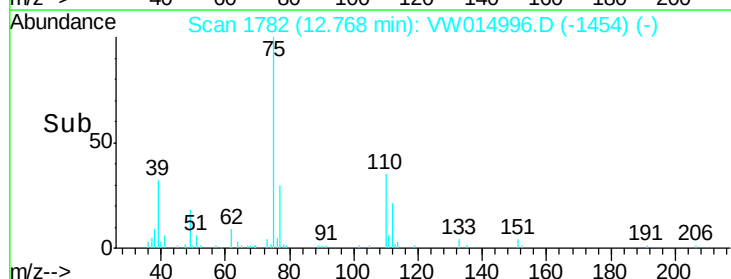
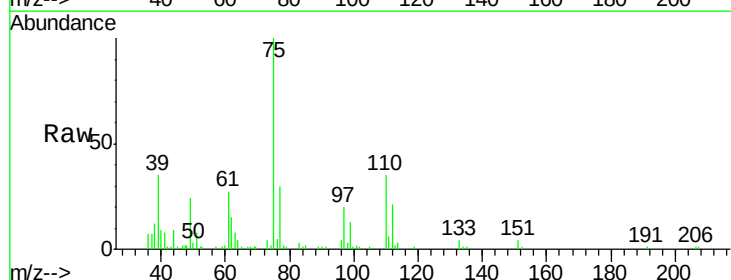
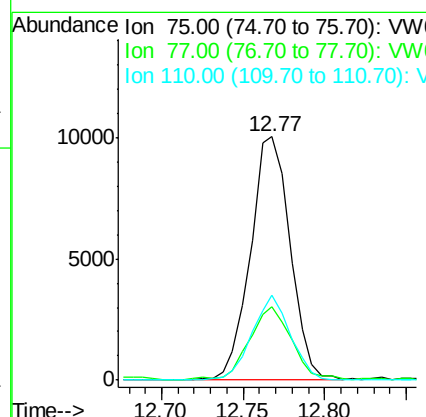
RT: 12.77 min Scan# 1782

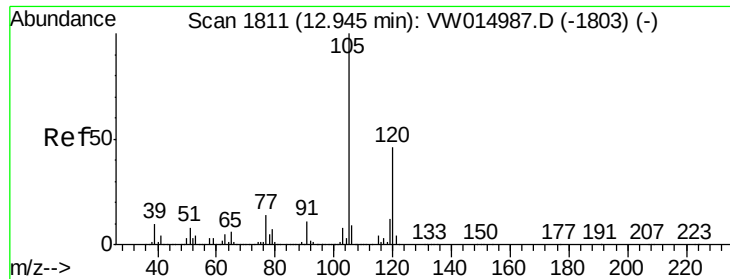
Delta R.T. -0.00 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Tgt Ion:	75	Resp:	17113
Ion Ratio	Lower	Upper	
75	100		
77	31.5	25.8	38.6
110	33.5	26.6	39.8





#62

1,3,5-Trimethylbenzene

Concen: 1.583 ug/L

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW014996.D

Acq: 14 Feb 2020 14:37

Instrument :

MSVOA_W

ClientSampleId :

MDL06

Tot Ion:105 Resp: 53203

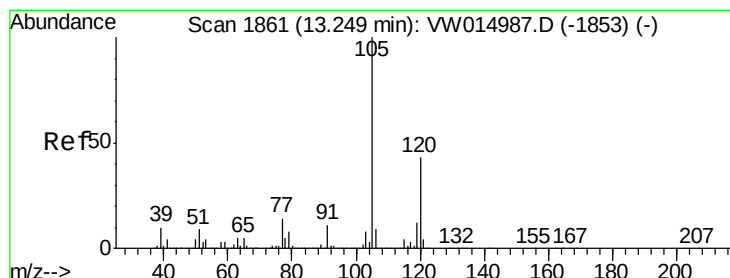
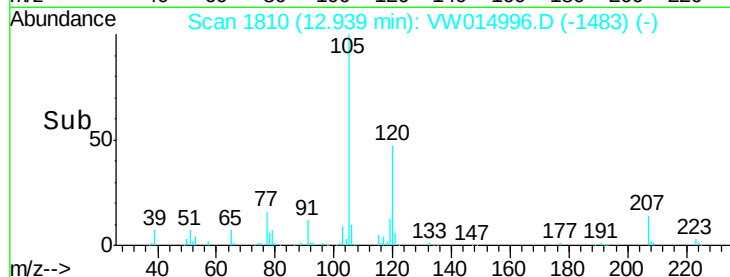
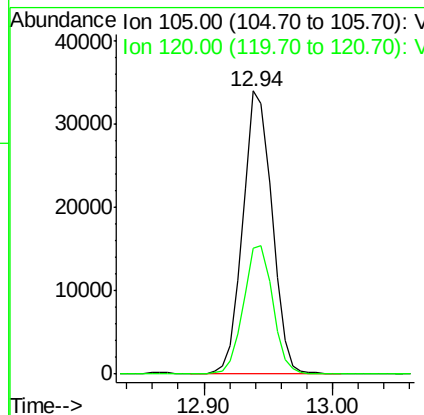
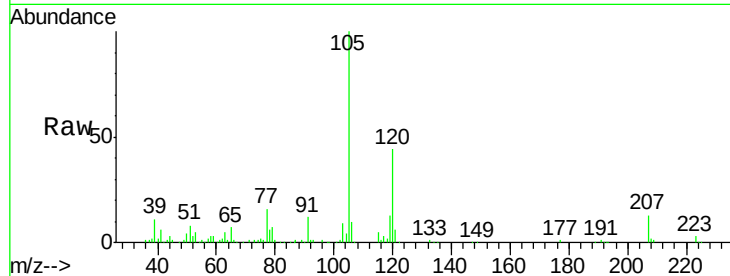
Ion Ratio Lower Upper

105 100

120 45.5 37.4 56.0

Manual Integrations
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#63

1,2,4-Trimethylbenzene

Concen: 1.525 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014996.D

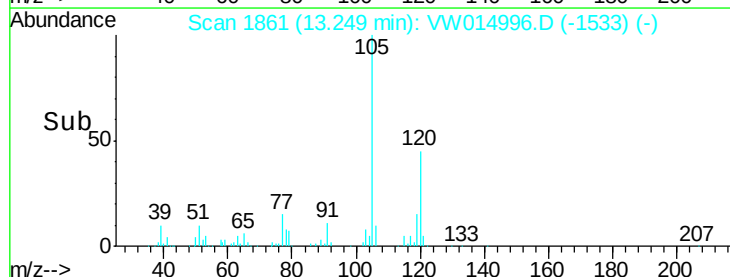
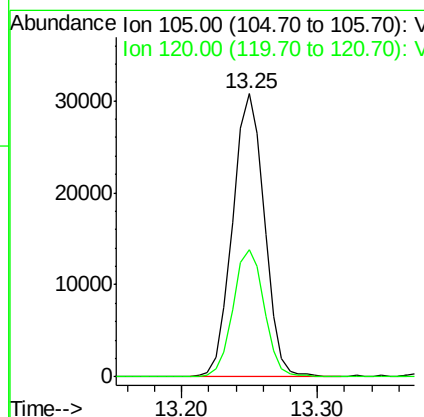
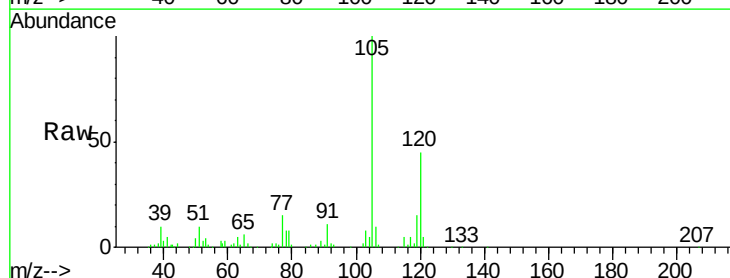
Acq: 14 Feb 2020 14:37

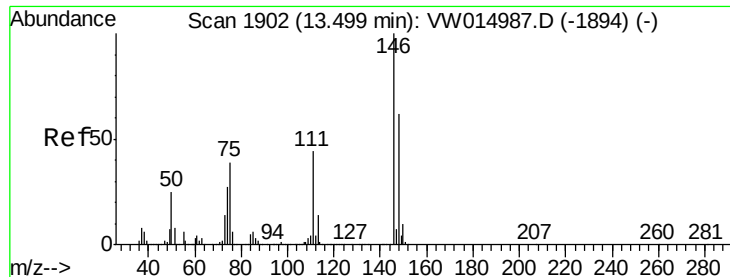
Tgt Ion:105 Resp: 50138

Ion Ratio Lower Upper

105 100

120 44.0 35.0 52.4





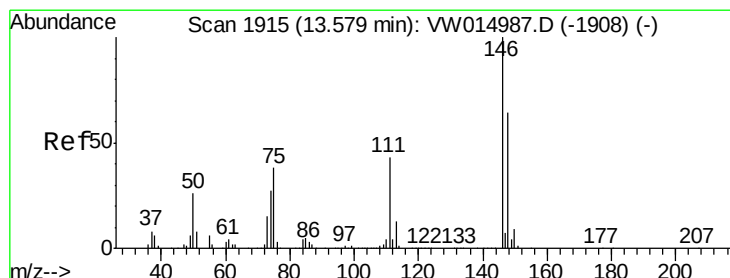
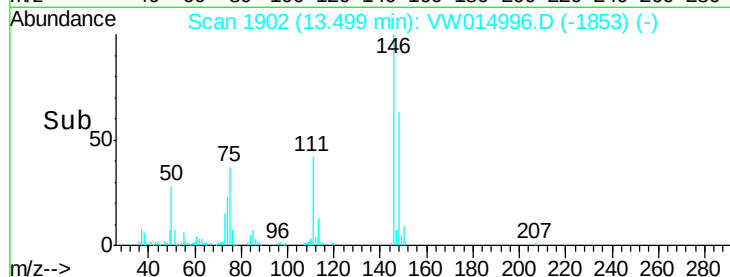
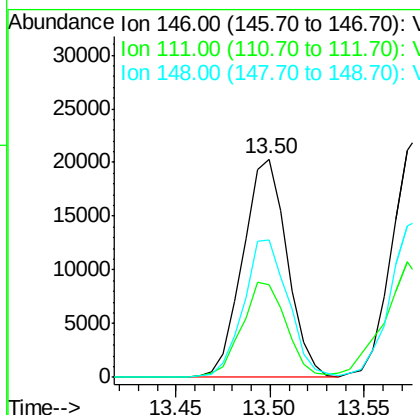
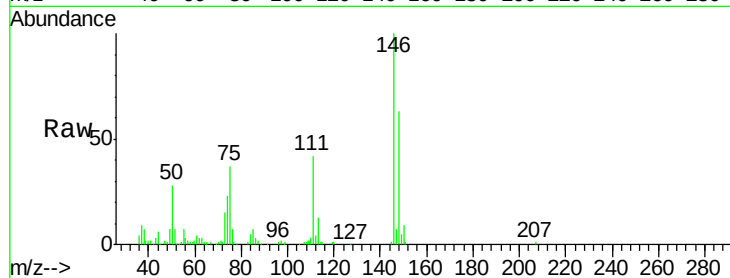
#64
 1,3-Dichlorobenzene
 Concen: 1.906 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	30.2	56.0
148	62.8	44.2	82.2

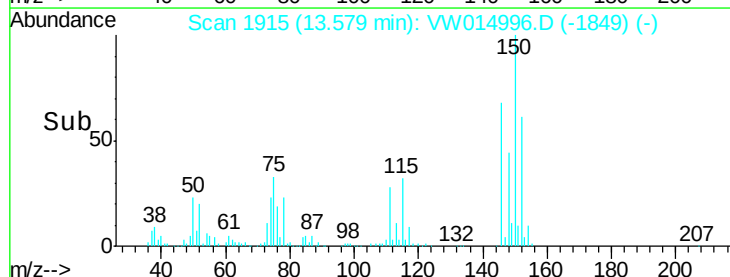
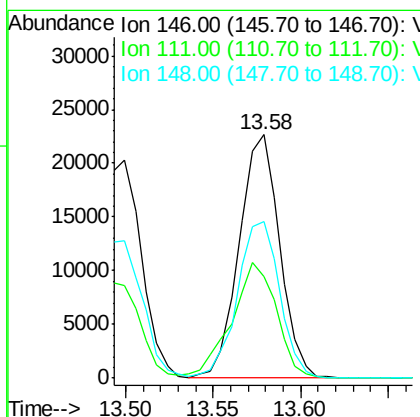
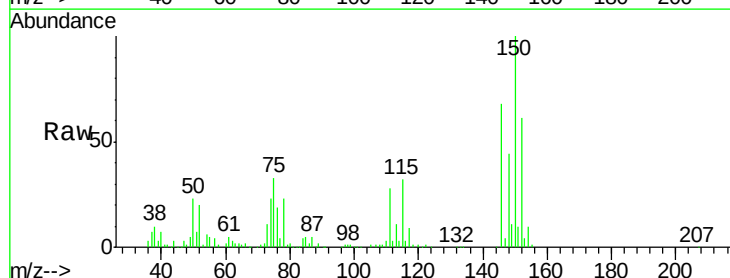
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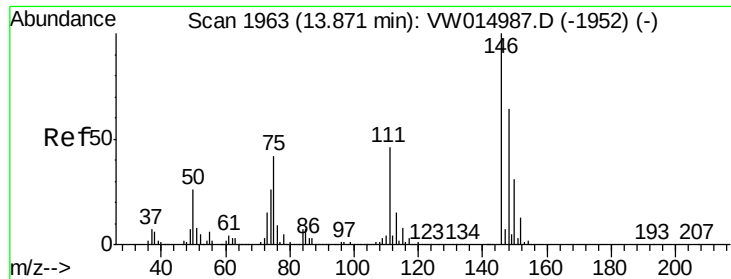
MMDadoda
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#65
 1,4-Dichlorobenzene
 Concen: 2.048 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.5	54.9
148	64.2	43.8	81.3





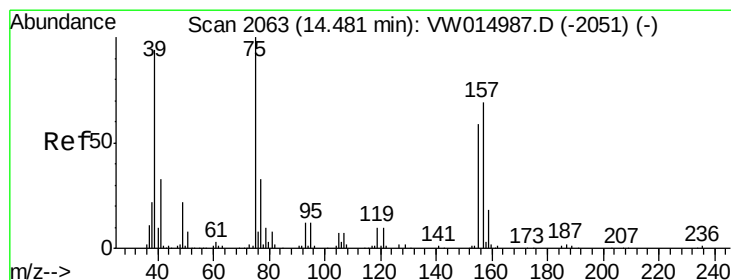
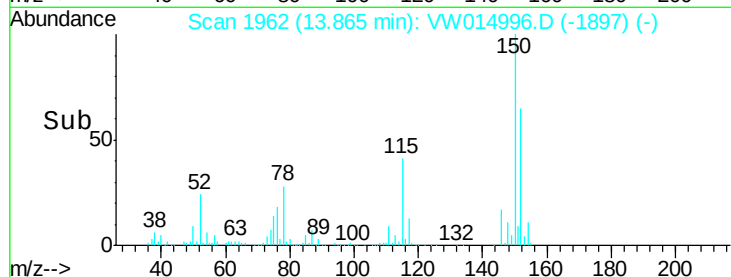
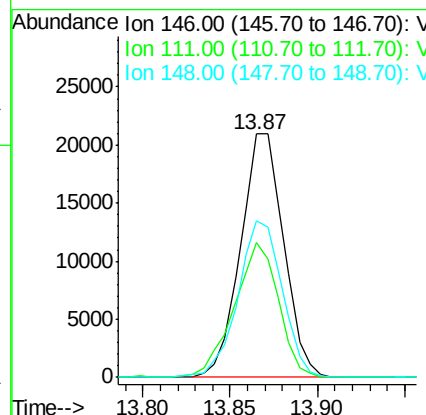
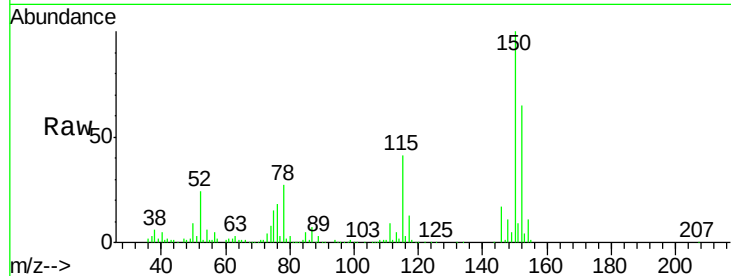
#67
 1,2-Dichlorobenzene
 Concen: 2.239 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.1	38.0	57.0
148	64.4	49.5	74.3

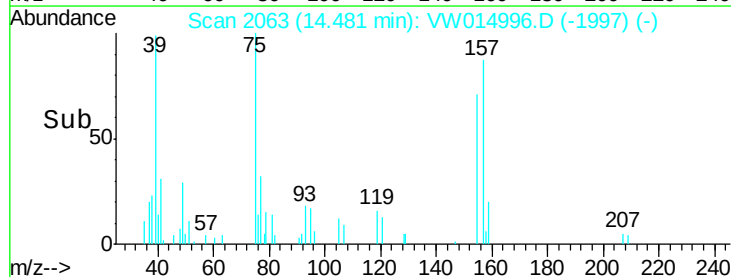
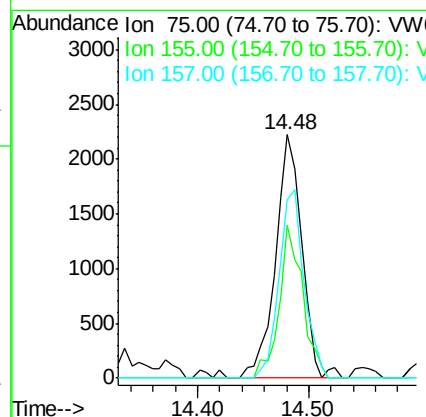
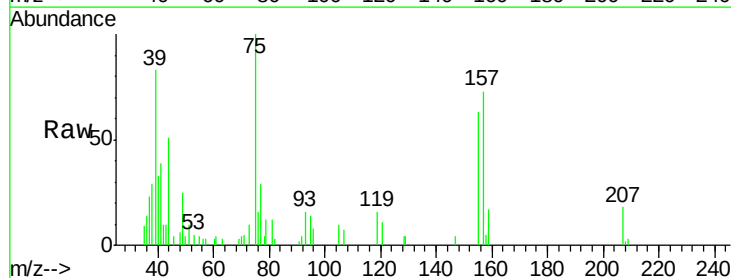
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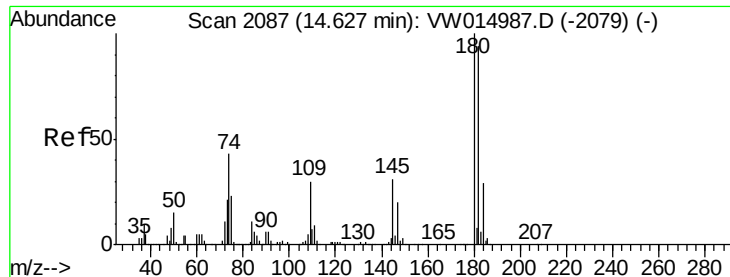
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.256 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.5	48.0	72.0
157	73.1	59.4	89.0





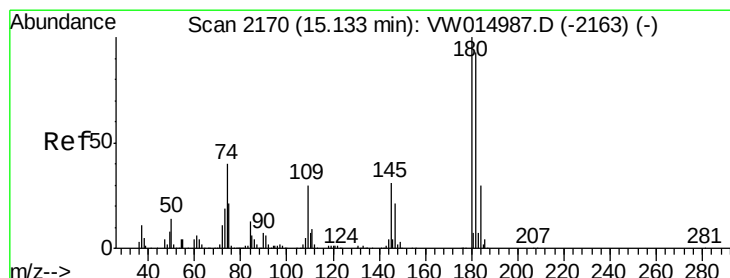
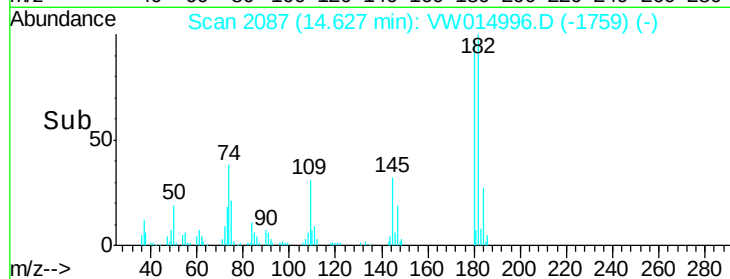
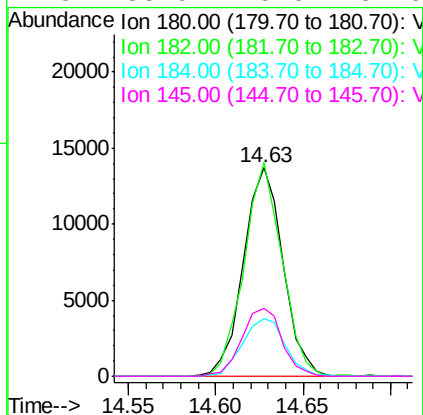
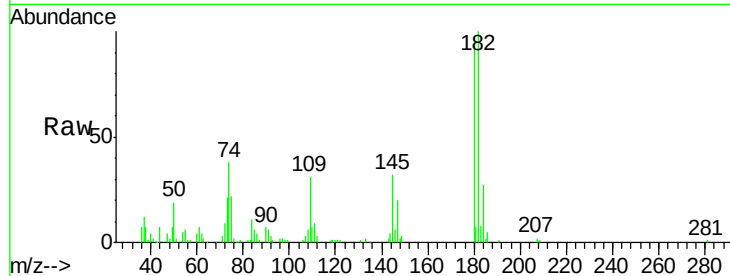
#69
 1,3,5-Trichlorobenzene
 Concen: 1.851 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.5	114.7
184	29.6	24.2	36.2
145	33.0	25.0	37.6

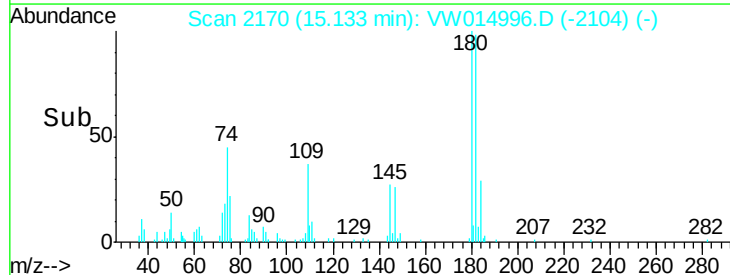
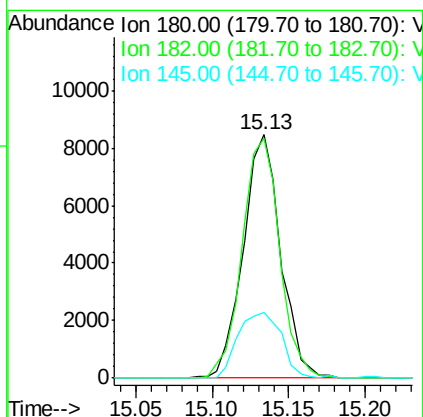
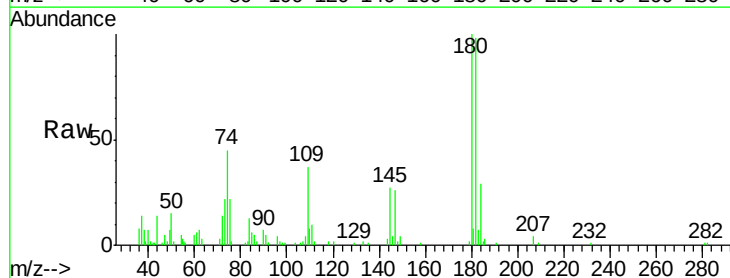
Manual Integrations
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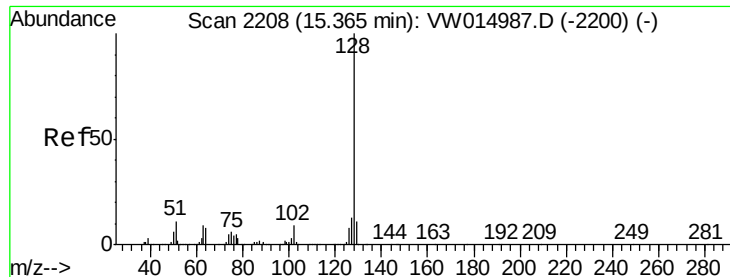
MMDadoda
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#70
 1,2,4-trichlorobenzene
 Concen: 1.654 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014996.D
 Acq: 14 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	76.2	114.4
145	31.3	26.2	39.4





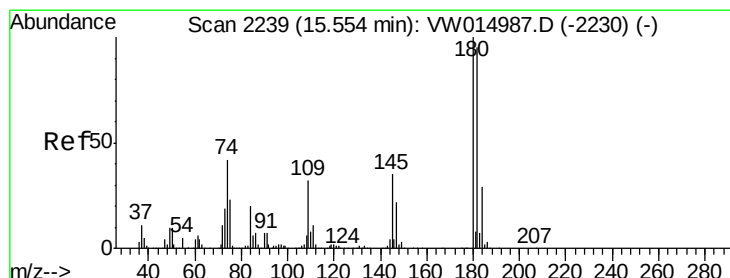
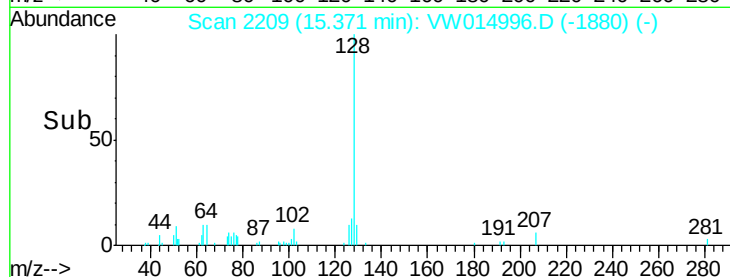
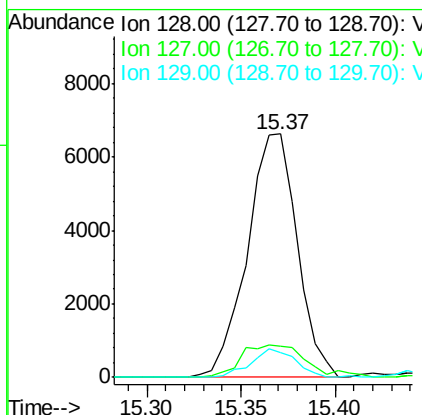
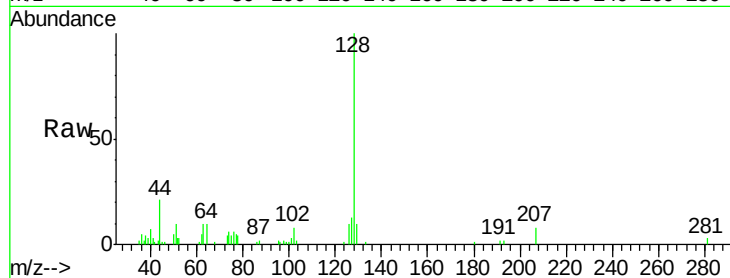
#71
Naphthalene
Concen: 1.361 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Instrument :
MSVOA_W
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
127	6.2	10.5	15.7#
129	10.5	8.6	12.8

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 1.710 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014996.D
Acq: 14 Feb 2020 14:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.7	75.2	112.8
145	36.4	27.0	40.6

