

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010428.D
 Acq On : 18 May 2019 00:05
 Operator : SY/VA
 Sample : VW0517SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:24 PM

Quant Time: May 18 01:50:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	659708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1258283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1149230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	553685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	390167	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	7.88	113	373468	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	10.32	98	1365892	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.62	95	547689	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	87258	16.301	ug/l	100
3) Chloromethane	2.21	50	137596	18.628	ug/l	96
4) Vinyl Chloride	2.36	62	137092	17.345	ug/l	97
5) Bromomethane	2.75	94	105499	23.926	ug/l	94
6) Chloroethane	2.90	64	94093	19.099	ug/l	98
7) Trichlorofluoromethane	3.25	101	198916	18.147	ug/l	97
8) Diethyl Ether	3.68	74	86598	22.211	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	133784	19.177	ug/l	99
10) Methyl Iodide	4.27	142	139580	17.891	ug/l	99
11) Tert butyl alcohol	5.19	59	73682	112.271	ug/l	99
12) 1,1-Dichloroethene	4.03	96	128881	19.590	ug/l	98
13) Acrolein	3.89	56	48000	92.647	ug/l	93
14) Allyl chloride	4.66	41	206853	20.269	ug/l	99
15) Acrylonitrile	5.37	53	186868	112.100	ug/l	99
16) Acetone	4.13	43	142578	111.872	ug/l	97
17) Carbon Disulfide	4.37	76	357786	19.045	ug/l	98
18) Methyl Acetate	4.67	43	92240	23.159	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	428219	22.692	ug/l	98
20) Methylene Chloride	4.91	84	156641	21.223	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	160171	20.874	ug/l	100
22) Diisopropyl ether	6.31	45	477365	21.917	ug/l	97
23) Vinyl Acetate	6.26	43	1433557	105.507	ug/l	99
24) 1,1-Dichloroethane	6.21	63	267426	21.207	ug/l	99
25) 2-Butanone	7.18	43	245483	112.994	ug/l	99
26) 2,2-Dichloropropane	7.16	77	198704	17.462	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	187405	21.778	ug/l	98
28) Bromochloromethane	7.51	49	111748	23.587	ug/l	100
29) Tetrahydrofuran	7.54	42	166301	113.115	ug/l	99
30) Chloroform	7.68	83	291857	22.006	ug/l	99
31) Cyclohexane	7.95	56	233981	18.529	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	255988	20.469	ug/l	100
36) 1,1-Dichloropropene	8.08	75	208379	18.706	ug/l	99
37) Ethyl Acetate	7.26	43	116023	21.708	ug/l	98
38) Carbon Tetrachloride	8.07	117	220770	18.364	ug/l	99

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 ALS Vial : 19 Sample Multiplier: 1

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Manual Integrations
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Quant Time: May 18 01:50:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	267007	17.949	ug/l	98
40) Benzene	8.32	78	629295	19.794	ug/l	99
41) Methacrylonitrile	7.48	41	71553	22.356	ug/l	95
42) 1,2-Dichloroethane	8.40	62	202184	21.345	ug/l	99
43) Isopropyl Acetate	8.43	43	235230	21.612	ug/l	99
44) Trichloroethene	9.09	130	178394	19.586	ug/l	100
45) 1,2-Dichloropropane	9.37	63	160919	20.678	ug/l	97
46) Dibromomethane	9.46	93	96619	21.017	ug/l	98
47) Bromodichloromethane	9.64	83	235181	20.587	ug/l	99
48) Methyl methacrylate	9.44	41	103485	20.634	ug/l	97
49) 1,4-Dioxane	9.46	88	30433	447.301	ug/l #	81
51) 4-Methyl-2-Pentanone	10.21	43	586155	105.282	ug/l	99
52) Toluene	10.39	92	416848	19.742	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	241365	20.486	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	267425	20.021	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	142137	21.429	ug/l	96
56) Ethyl methacrylate	10.65	69	198533	21.450	ug/l	97
57) 1,3-Dichloropropane	10.93	76	241291	21.700	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	459604	103.347	ug/l	100
59) 2-Hexanone	10.97	43	406024	104.730	ug/l	99
60) Dibromochloromethane	11.13	129	171886	20.883	ug/l	100
61) 1,2-Dibromoethane	11.23	107	143143	21.294	ug/l	99
64) Tetrachloroethene	10.86	164	166642	22.045	ug/l	97
65) Chlorobenzene	11.66	112	466784	20.002	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	174620	20.263	ug/l	98
67) Ethyl Benzene	11.73	91	802083	19.512	ug/l	99
68) m/p-Xylenes	11.84	106	630633	39.196	ug/l	100
69) o-Xylene	12.16	106	309073	20.152	ug/l	100
70) Styrene	12.18	104	530146	20.075	ug/l	99
71) Bromoform	12.35	173	97687	20.118	ug/l #	98
73) Isopropylbenzene	12.46	105	788067	18.407	ug/l	99
74) N-amyl acetate	12.27	43	209847	19.126	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	170755	20.138	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	117560m	19.828	ug/l	
77) Bromobenzene	12.74	156	188795	19.520	ug/l	97
78) n-propylbenzene	12.80	91	912188	18.368	ug/l	99
79) 2-Chlorotoluene	12.90	91	555379	19.150	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	684943	18.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	51876	17.266	ug/l	99
82) 4-Chlorotoluene	12.99	91	586569	19.366	ug/l	98
83) tert-Butylbenzene	13.21	119	589182	19.117	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	693974	19.356	ug/l	98
85) sec-Butylbenzene	13.38	105	794830	18.315	ug/l	99
86) p-Isopropyltoluene	13.50	119	723892	18.464	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	362471	19.460	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	363333	19.596	ug/l	99
89) n-Butylbenzene	13.83	91	675212	18.051	ug/l	99
90) Hexachloroethane	14.10	117	147463	18.698	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	339953	20.073	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32984	20.904	ug/l	88

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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VW0517SBS01

Manual Integrations
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Quant Time: May 18 01:50:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 23:49:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	208143	18.853	ug/l	98
94) Hexachlorobutadiene	15.24	225	103919	17.631	ug/l	98
95) Naphthalene	15.37	128	497298	19.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	186557	19.166	ug/l	99

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

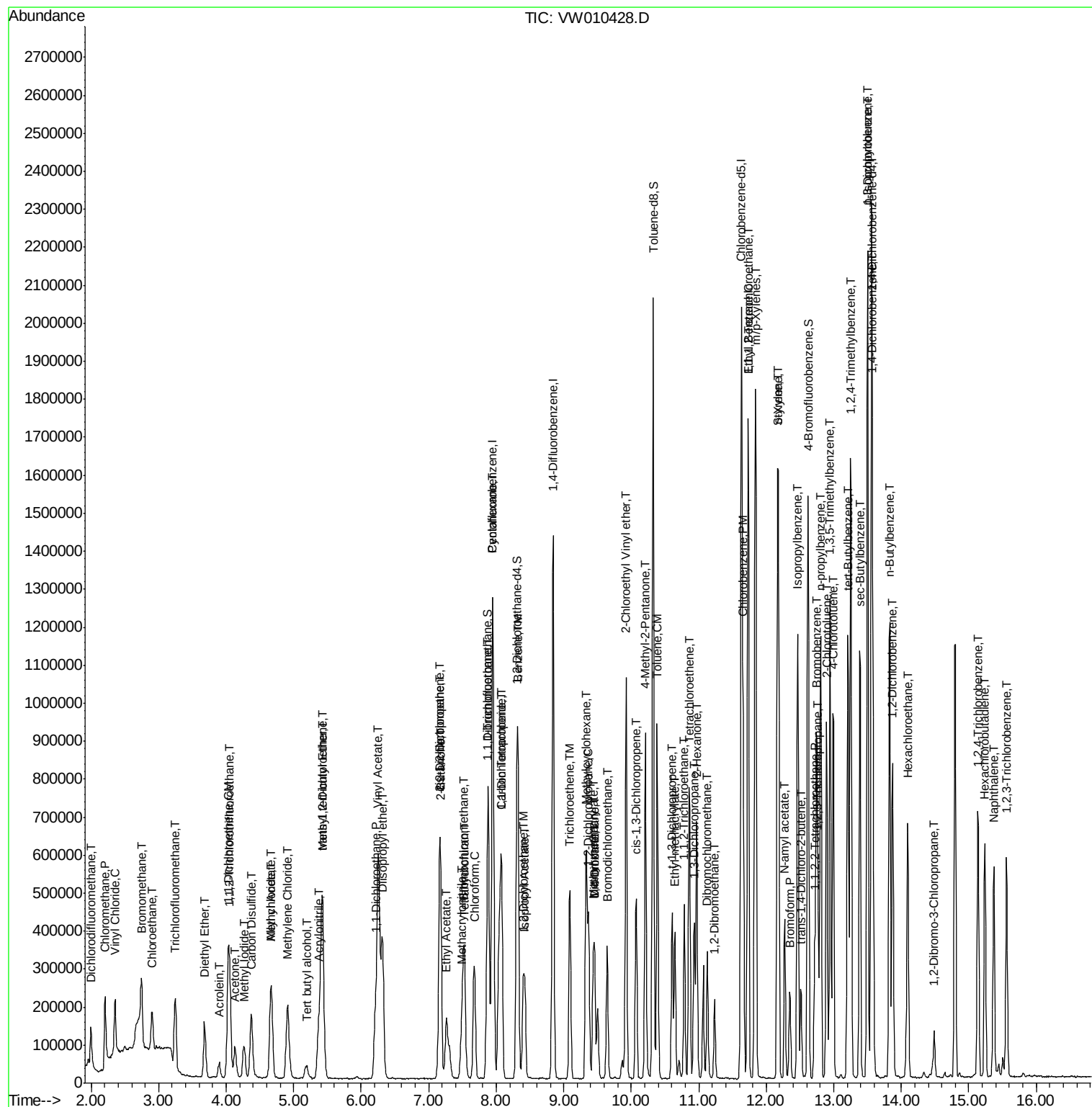
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010428.D
 Acq On : 18 May 2019 00:05
 Operator : SY/VA
 Sample : VW0517SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

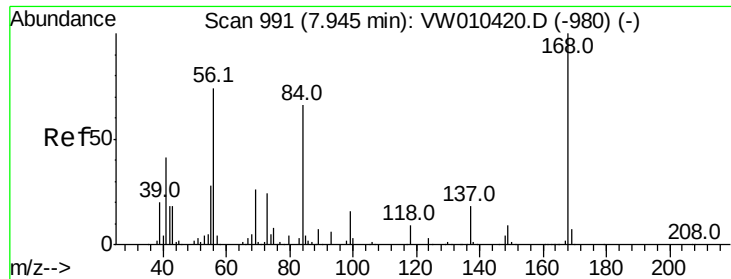
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion:168 Resp: 659708

Ion Ratio Lower Upper

168 100

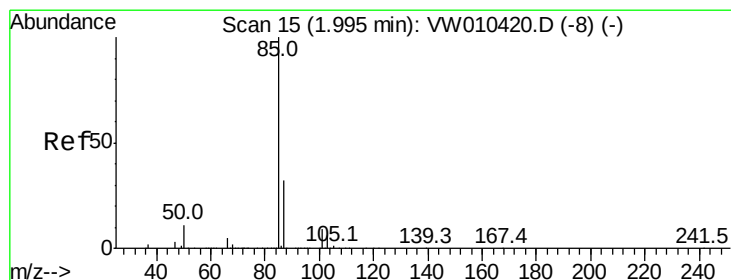
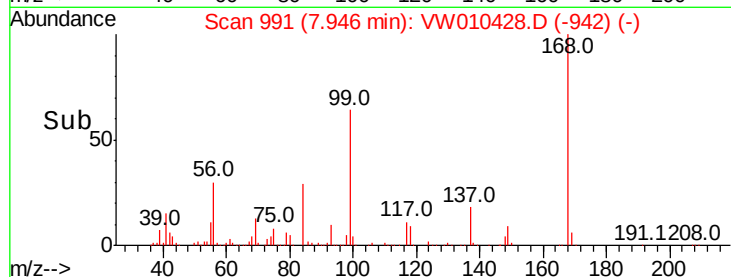
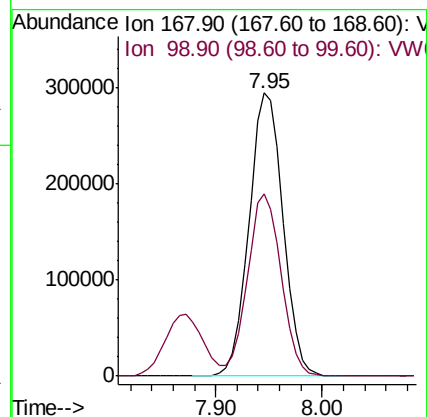
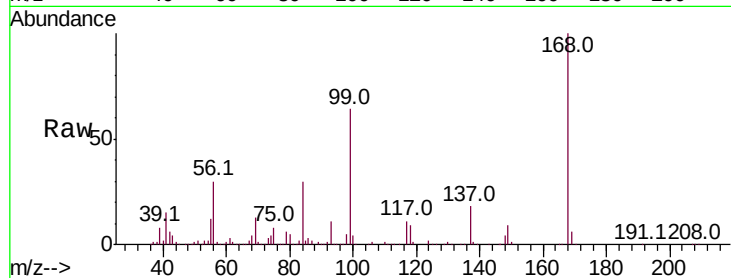
99 64.4 50.8 76.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.301 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010428.D

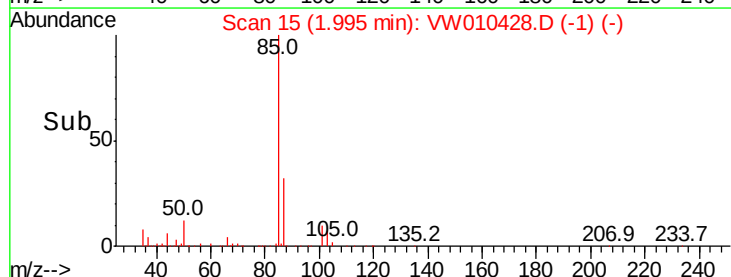
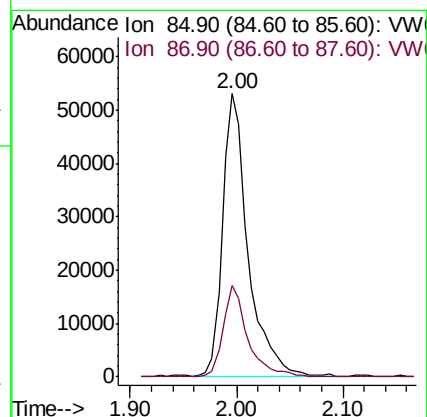
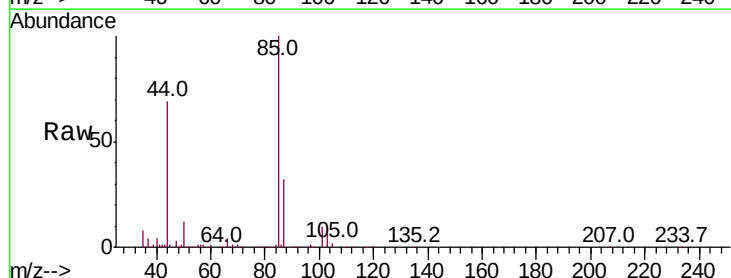
Acq: 18 May 2019 00:05

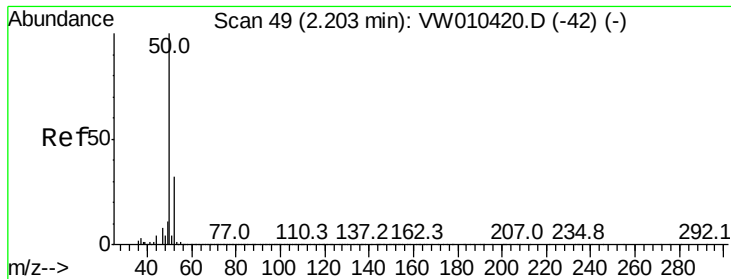
Tgt Ion: 85 Resp: 87258

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5





#3

Chloromethane

Concen: 18.628 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 50 Resp: 137596

Ion Ratio Lower Upper

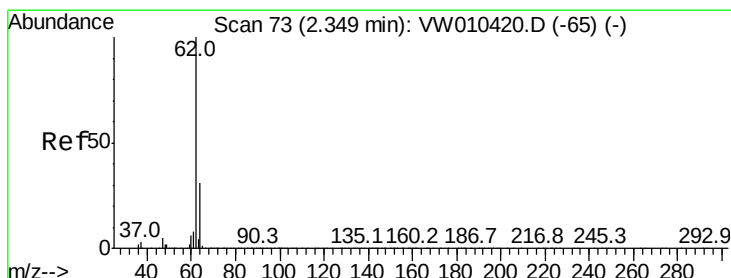
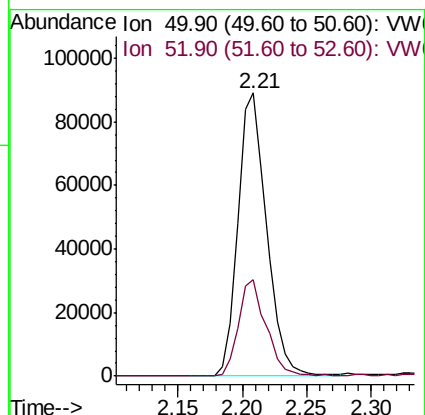
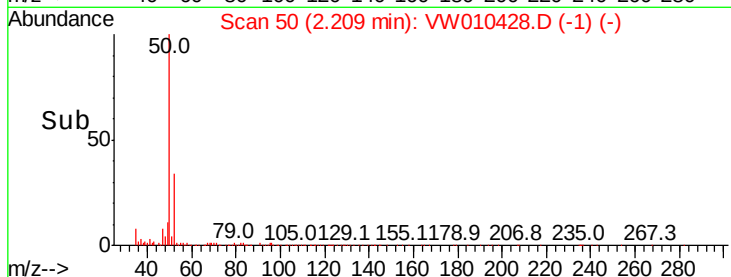
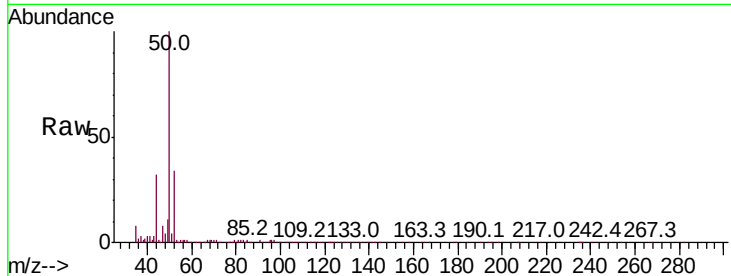
50 100

52 34.1 25.4 38.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.345 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010428.D

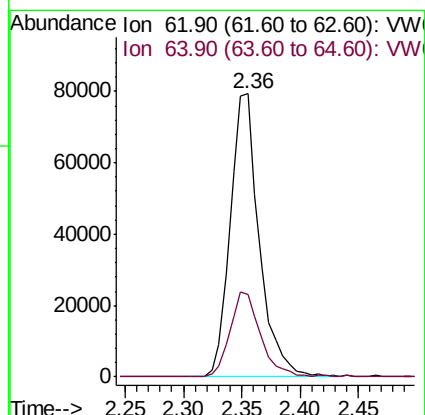
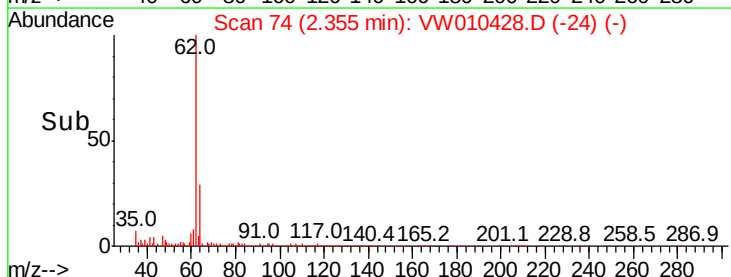
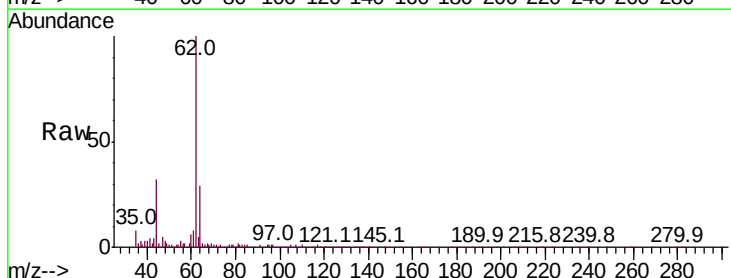
Acq: 18 May 2019 00:05

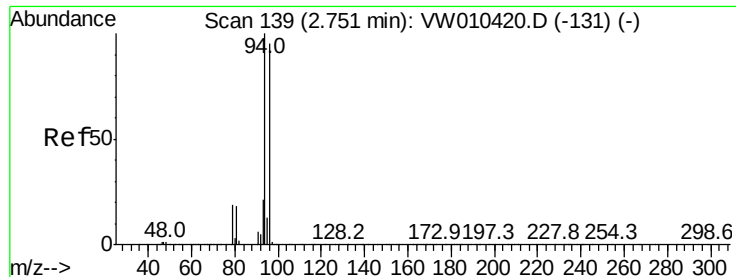
Tgt Ion: 62 Resp: 137092

Ion Ratio Lower Upper

62 100

64 28.9 24.4 36.6





#5

Bromomethane

Concen: 23.926 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 94 Resp: 105499

Ion Ratio Lower Upper

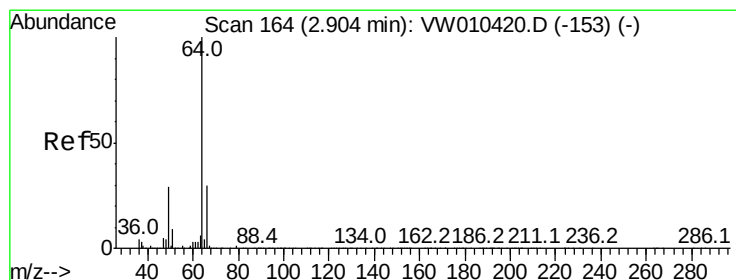
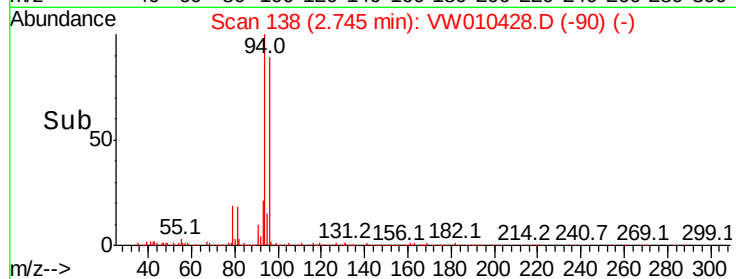
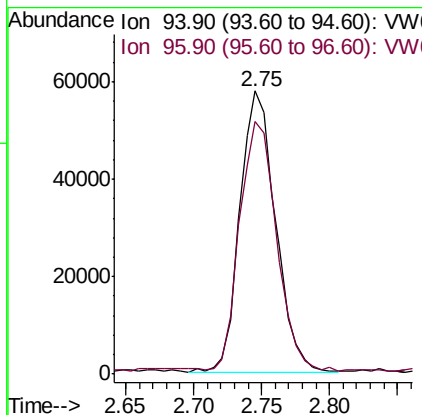
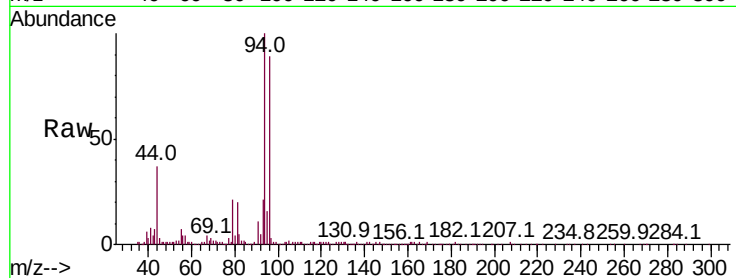
94 100

96 88.5 75.8 113.6

Manual Integrations
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#6

Chloroethane

Concen: 19.099 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010428.D

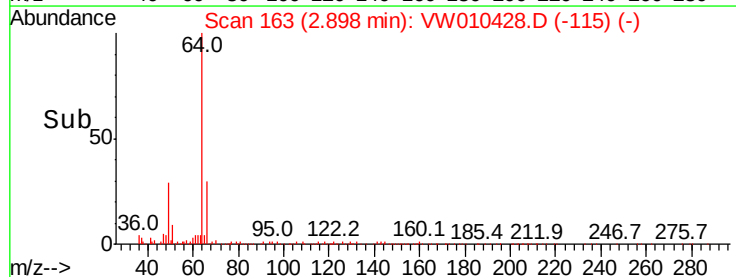
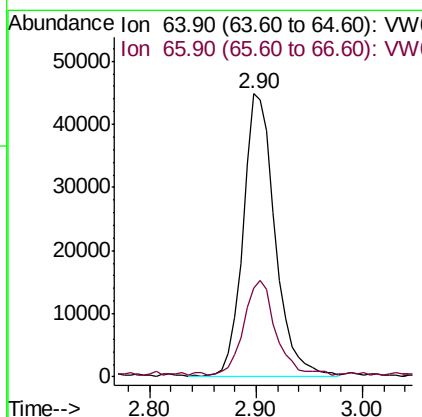
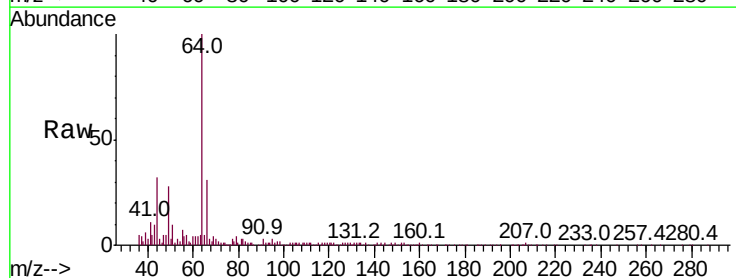
Acq: 18 May 2019 00:05

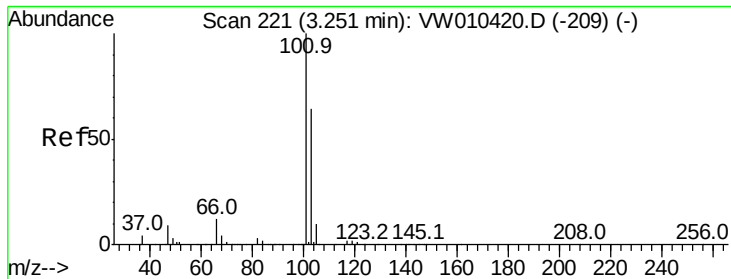
Tgt Ion: 64 Resp: 94093

Ion Ratio Lower Upper

64 100

66 30.7 23.6 35.4





#7

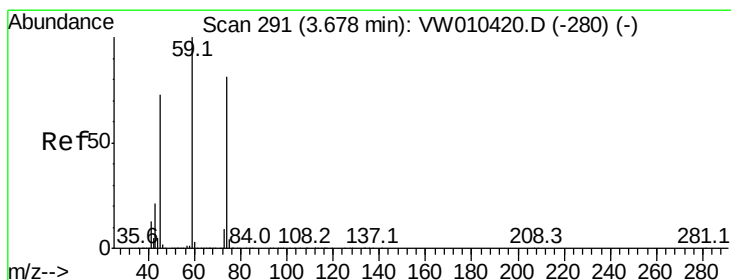
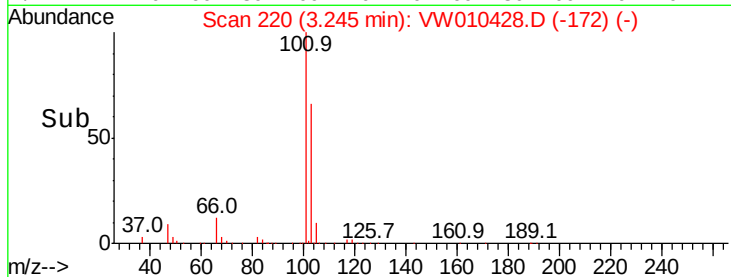
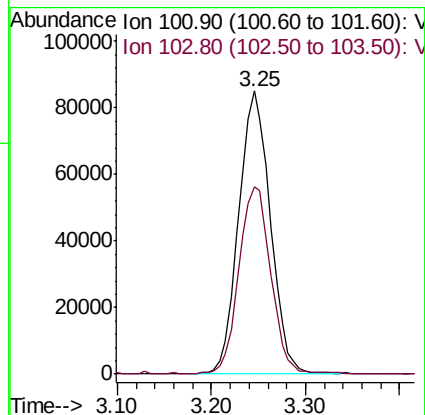
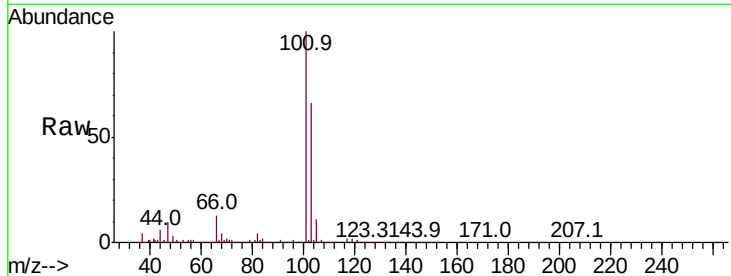
Trichlorofluoromethane
 Concen: 18.147 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	198916		
103	66.2	51.4	77.0	

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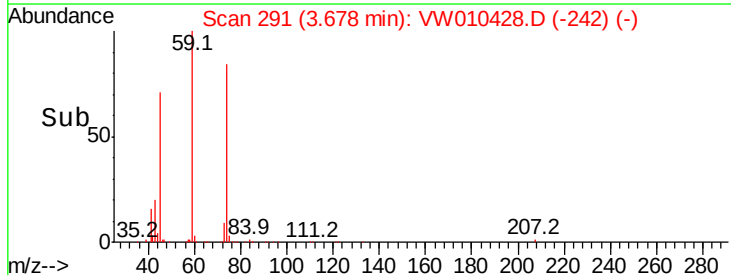
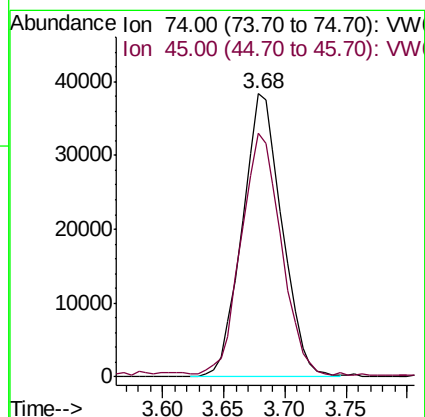
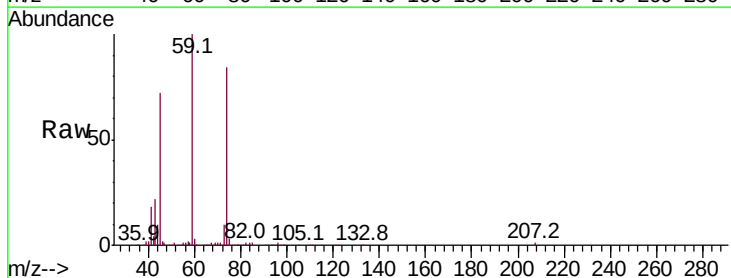
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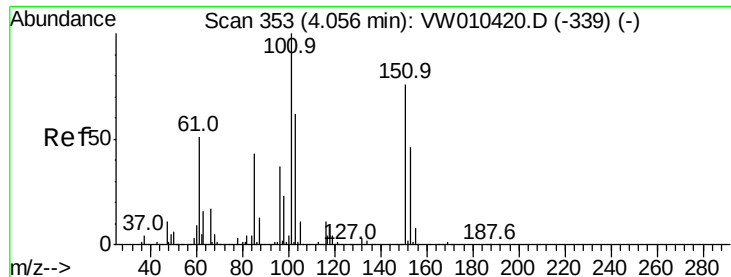


#8

Diethyl Ether
 Concen: 22.211 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	86598		
45	86.4	43.4	130.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.177 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

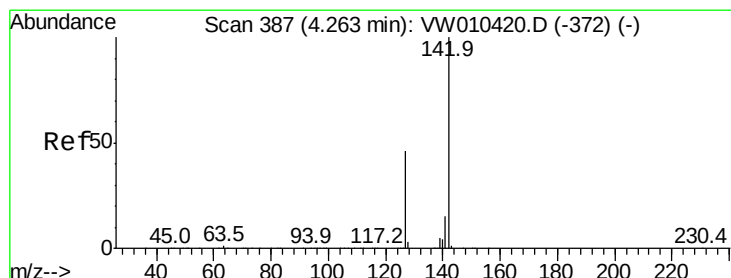
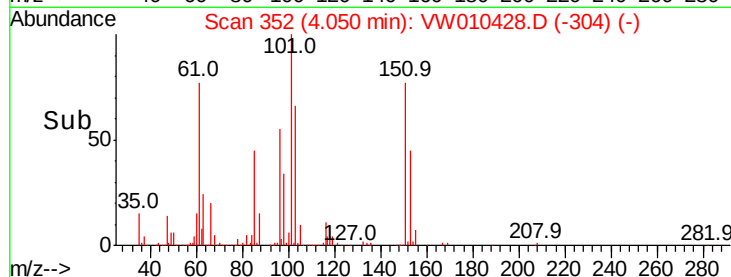
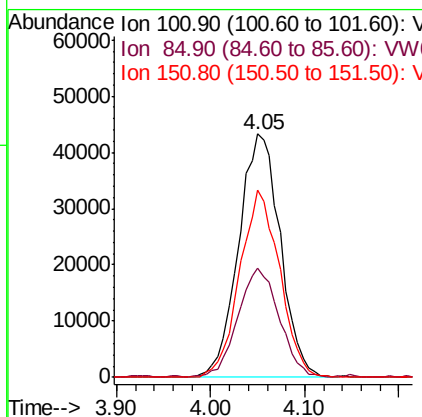
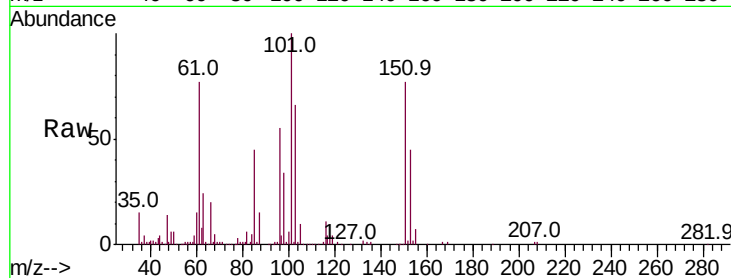
ClientSampleId :

VW0517SBS01

Tot Ion:	101	Resp:	133784
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.3	51.5
151	73.7	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.891 ug/l

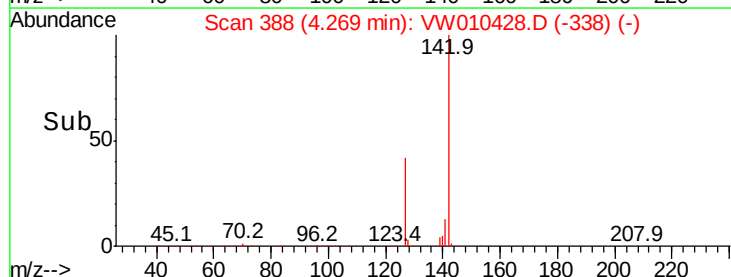
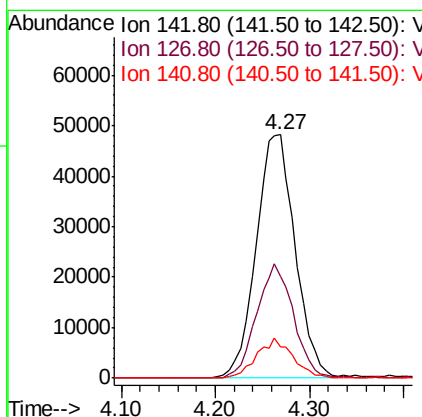
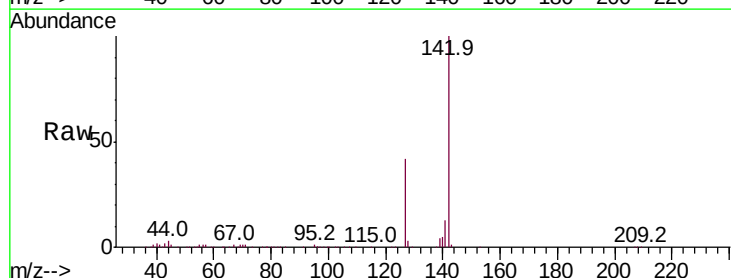
RT: 4.27 min Scan# 388

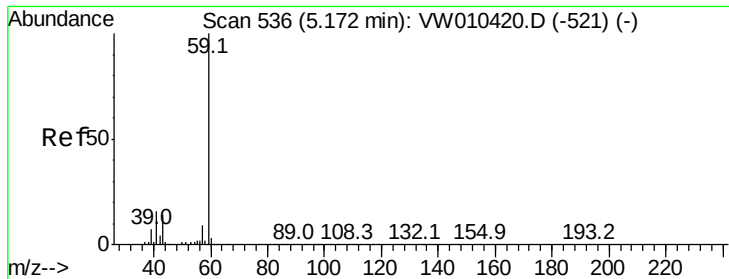
Delta R.T. 0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion:	142	Resp:	139580
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.4	53.2
141	15.1	11.4	17.2





#11

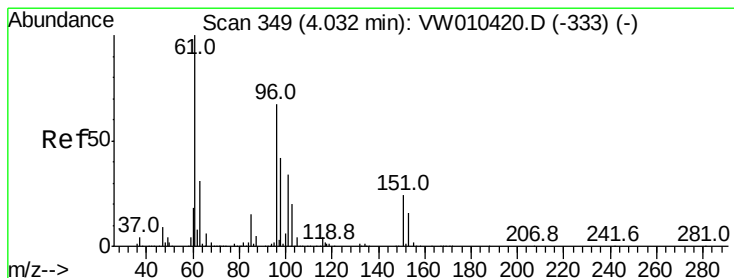
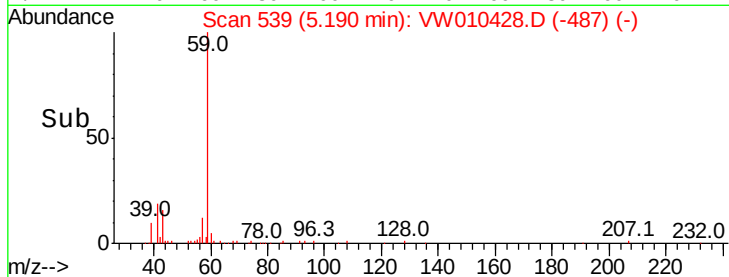
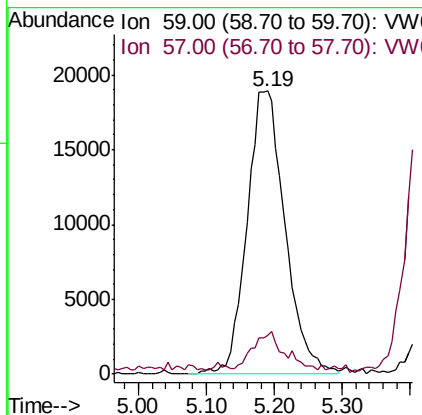
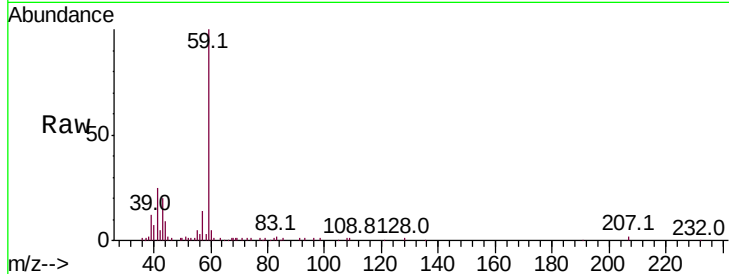
Tert butyl alcohol
 Concen: 112.271 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	59	Resp	73682
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

Manual Integrations
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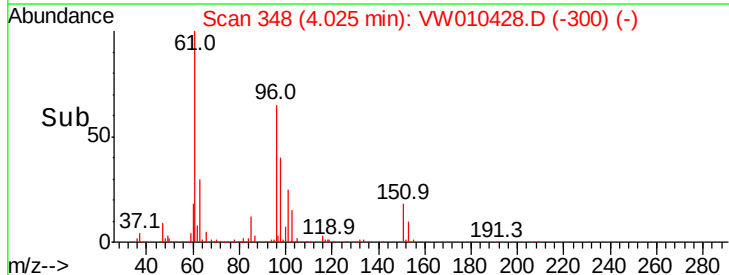
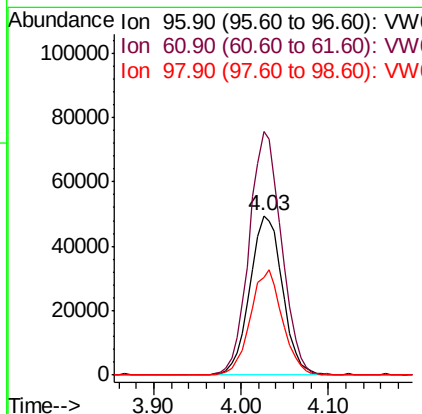
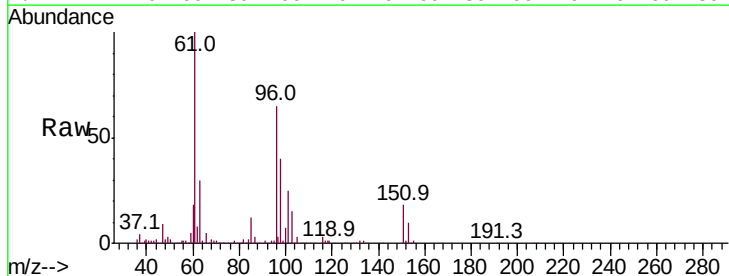
MMDadoda
 5/20/2019 12:15:24 PM

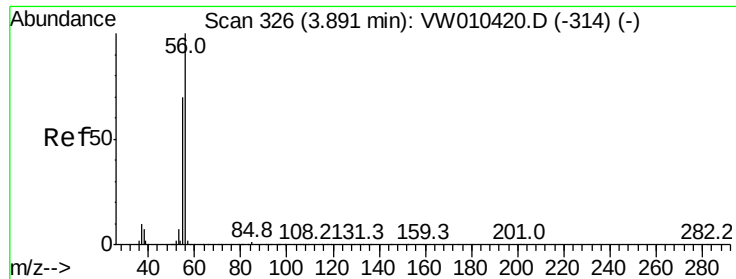


#12

1,1-Dichloroethene
 Concen: 19.590 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	96	Resp	128881
Ion	Ratio	Lower	Upper
96	100		
61	152.8	120.3	180.5
98	61.7	50.7	76.1





#13

Acrolein

Concen: 92.647 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 56 Resp: 48000

Ion Ratio Lower Upper

56 100

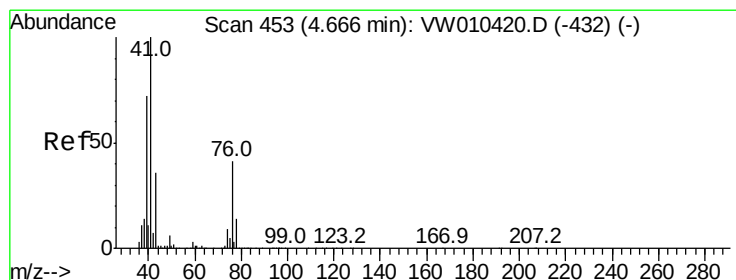
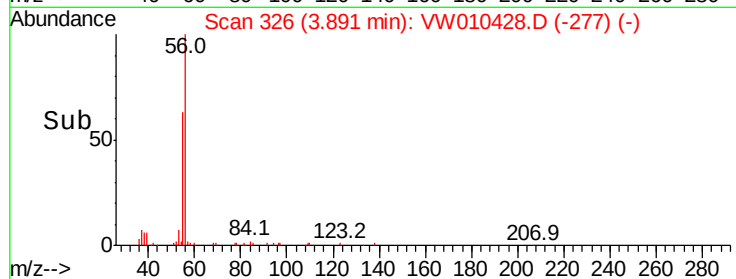
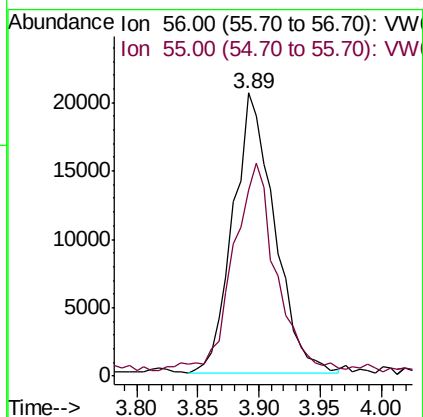
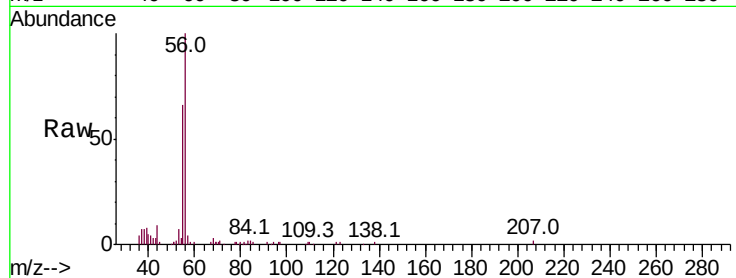
55 77.8 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.269 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

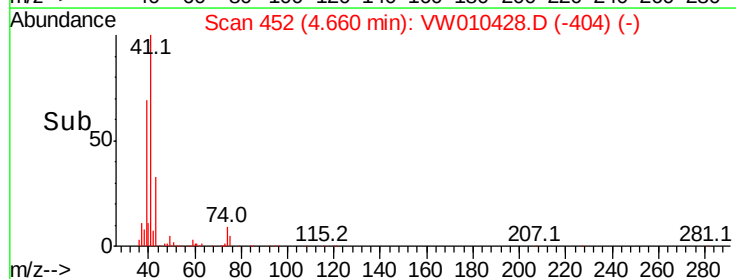
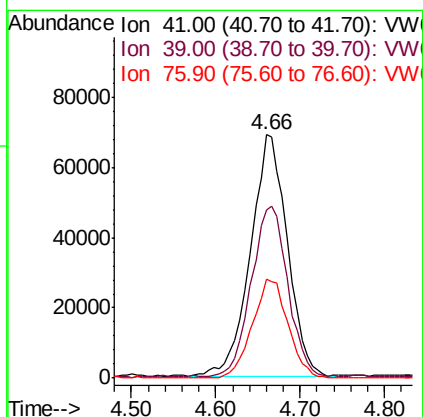
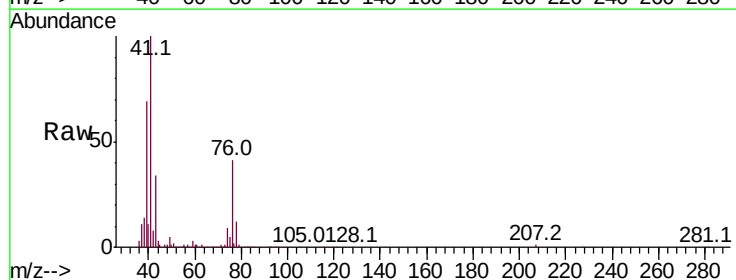
Tgt Ion: 41 Resp: 206853

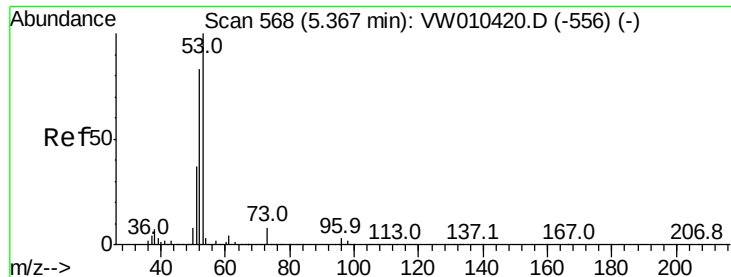
Ion Ratio Lower Upper

41 100

39 69.1 54.9 82.3

76 39.5 31.8 47.6





#15

Acrylonitrile

Concen: 112.100 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

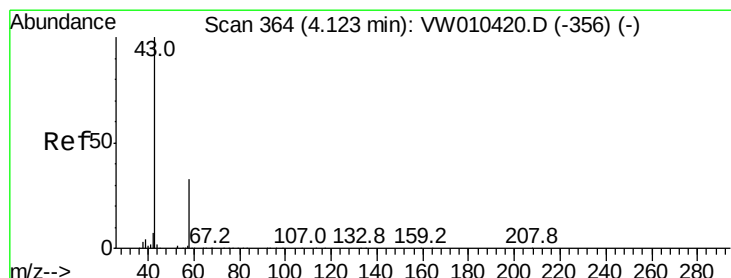
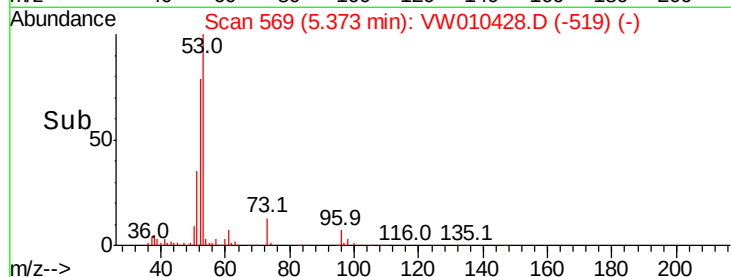
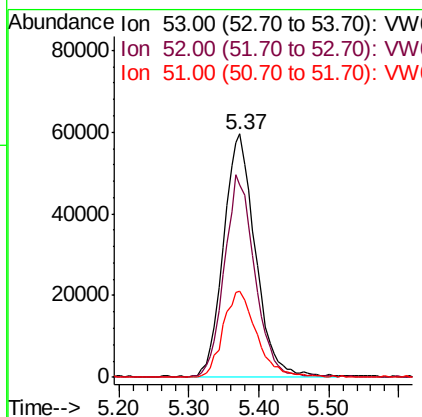
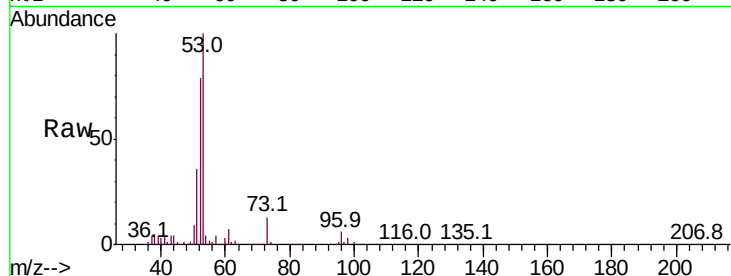
ClientSampleId :

VW0517SBS01

Tot Ion:	53	Resp:	186868
Ion	Ratio	Lower	Upper
53	100		
52	80.2	63.9	95.9
51	37.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 111.872 ug/l

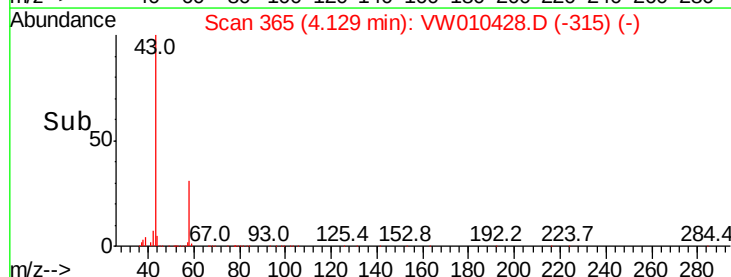
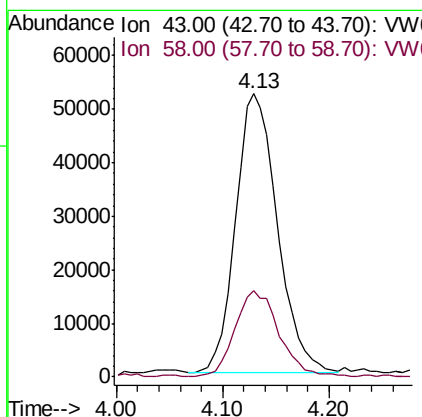
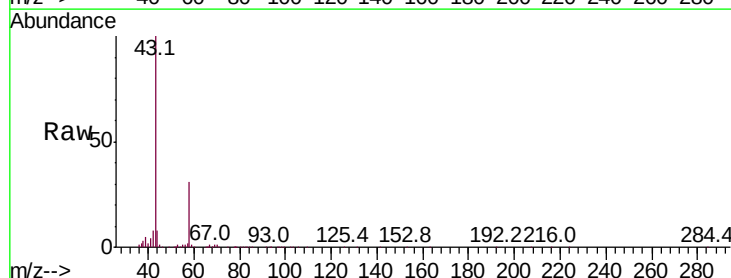
RT: 4.13 min Scan# 365

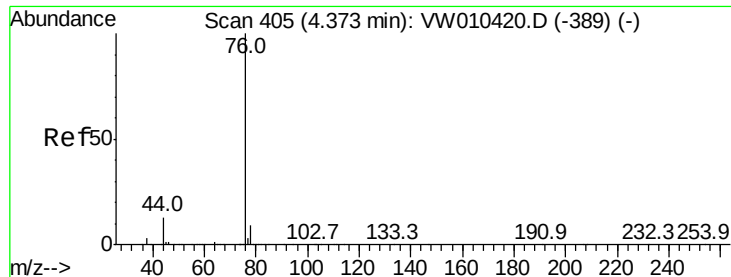
Delta R.T. 0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion:	43	Resp:	142578
Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.0	39.0





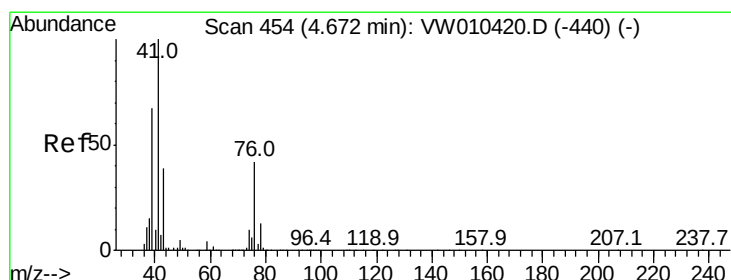
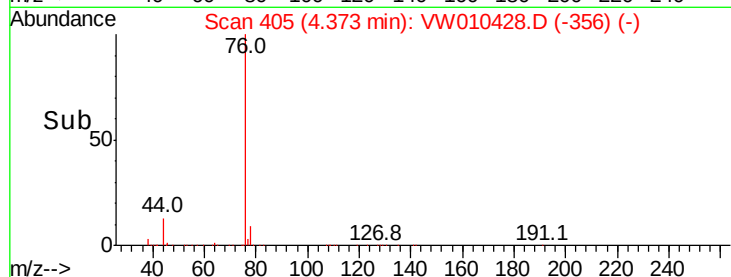
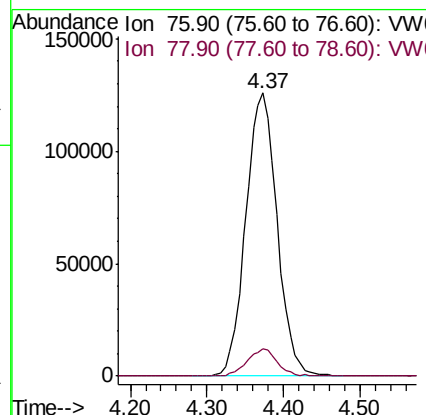
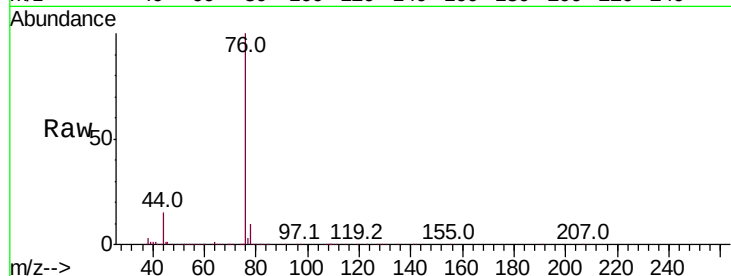
#17
Carbon Disulfide
Concen: 19.045 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

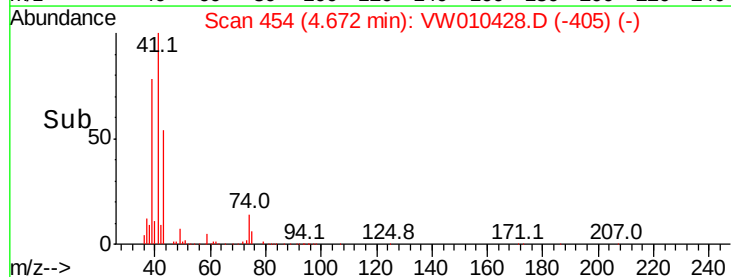
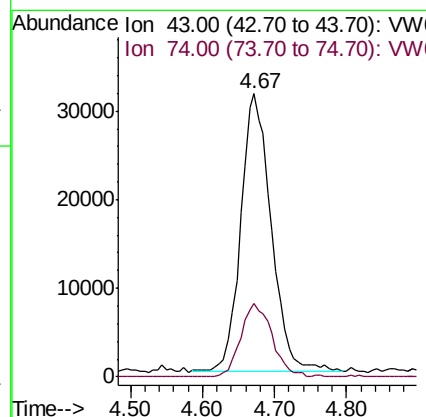
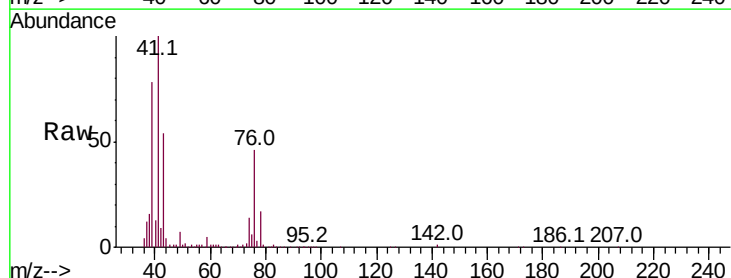
Manual Integrations
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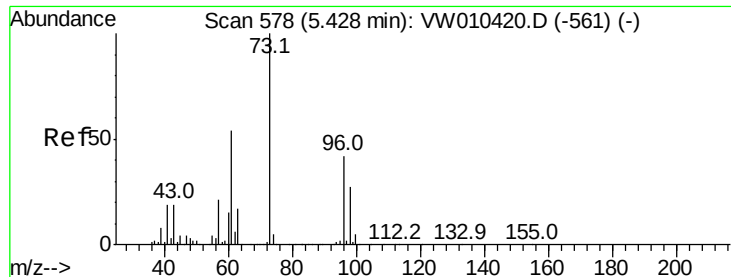
MMDadoda
5/20/2019 12:15:24 PM



#18
Methyl Acetate
Concen: 23.159 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.2	31.8





#19

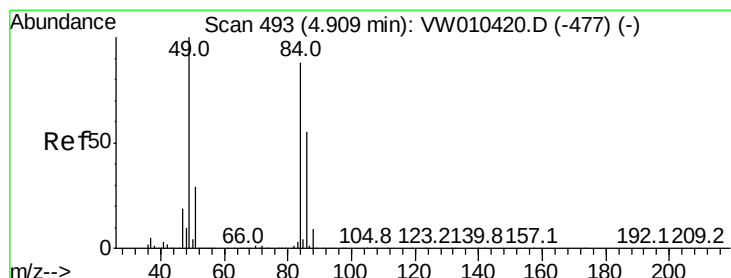
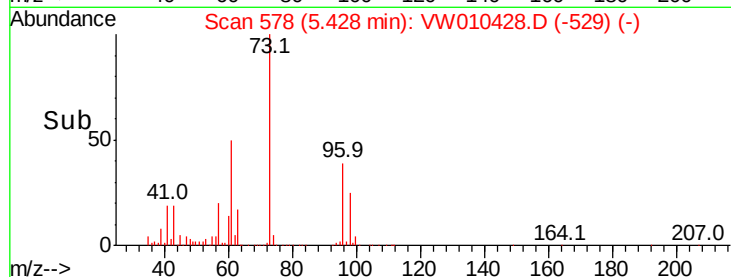
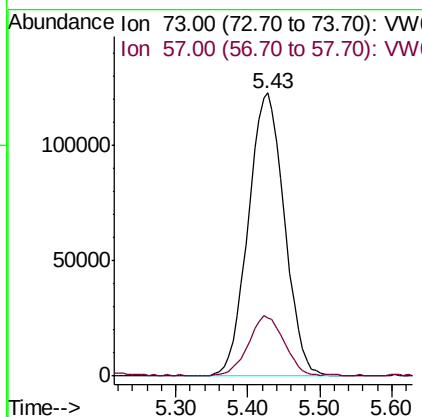
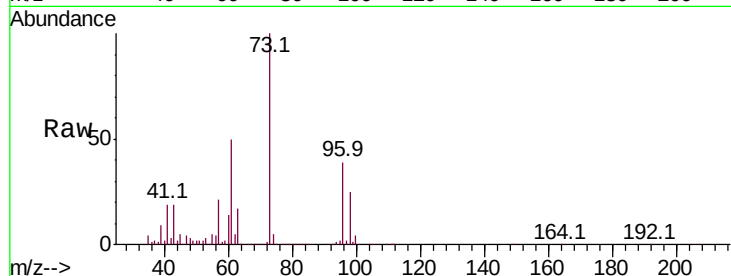
Methyl tert-butyl Ether
 Concen: 22.692 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.0	25.4

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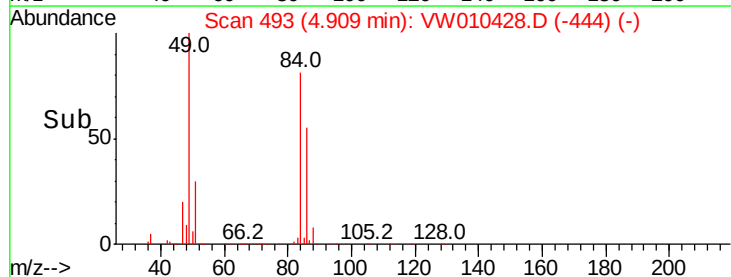
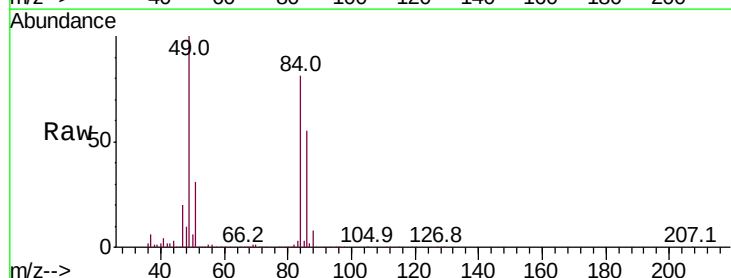
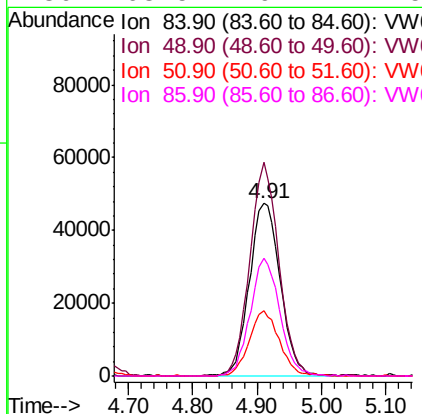
MMDadoda
 5/20/2019 12:15:24 PM

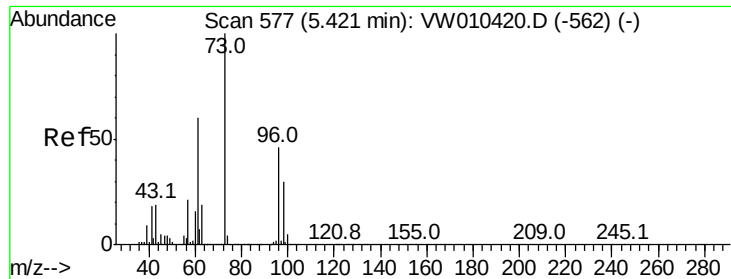


#20

Methylene Chloride
 Concen: 21.223 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	90.6	135.8
51	38.0	26.6	40.0
86	68.5	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 20.874 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

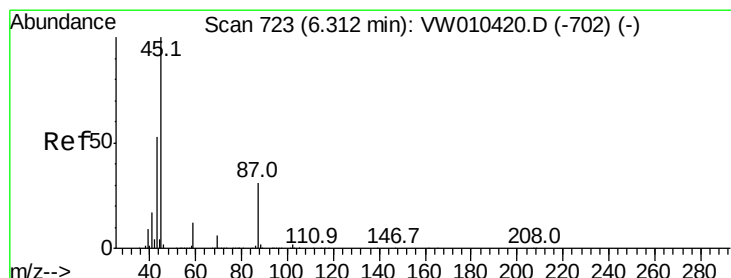
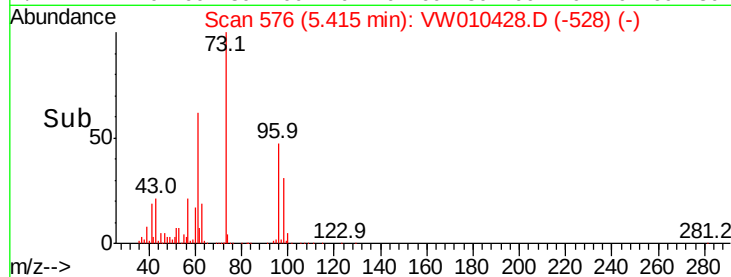
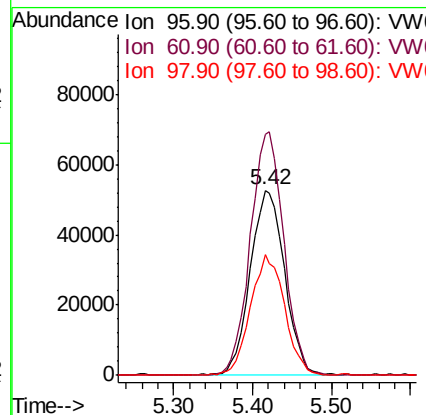
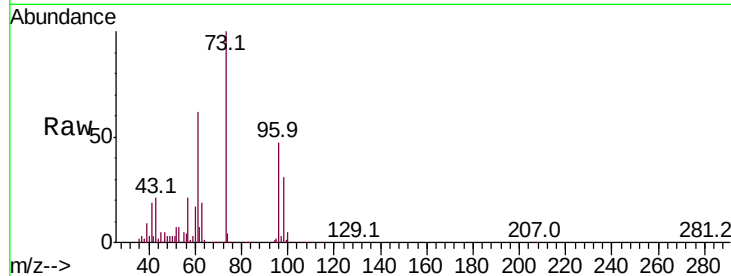
ClientSampleId :

VW0517SBS01

Tot Ion:	96	Resp:	160171
Ion	Ratio	Lower	Upper
96	100		
61	130.5	103.9	155.9
98	64.7	51.5	77.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.917 ug/l

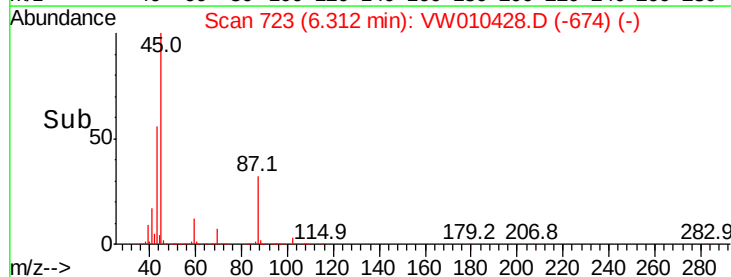
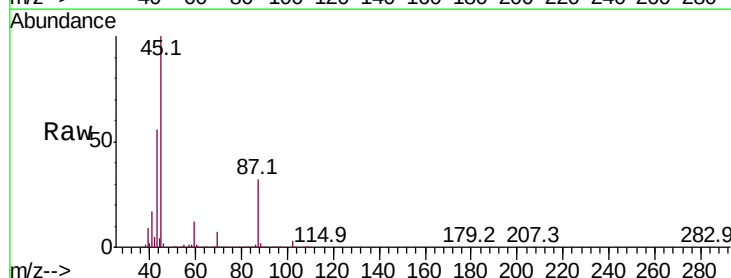
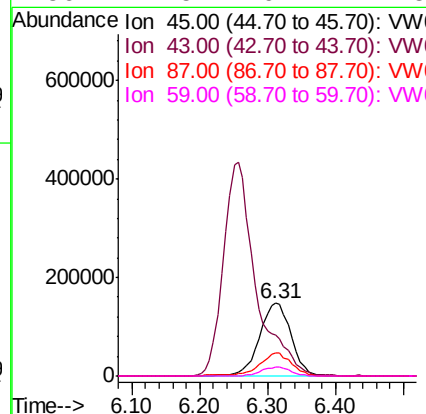
RT: 6.31 min Scan# 723

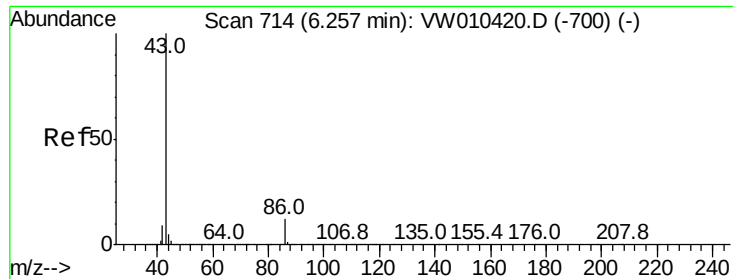
Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion:	45	Resp:	477365
Ion	Ratio	Lower	Upper
45	100		
43	55.4	42.0	63.0
87	31.6	25.0	37.6
59	12.5	9.7	14.5





#23

Vinyl Acetate

Concen: 105.507 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 43 Resp: 1433557

Ion Ratio Lower Upper

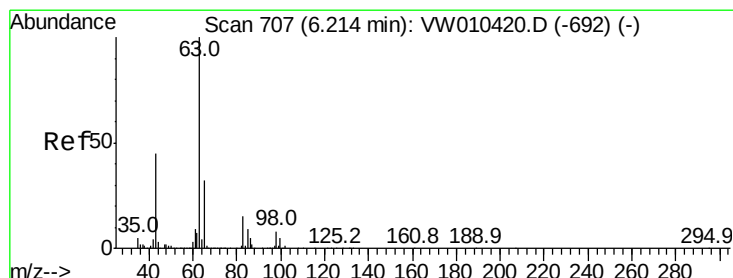
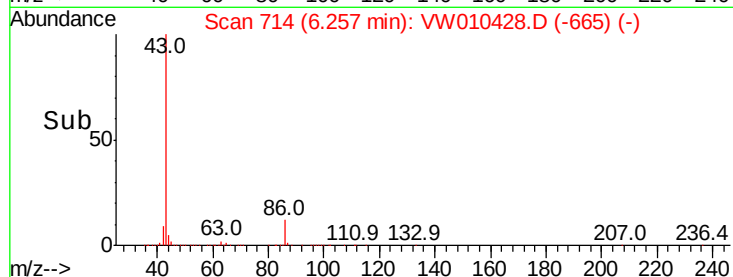
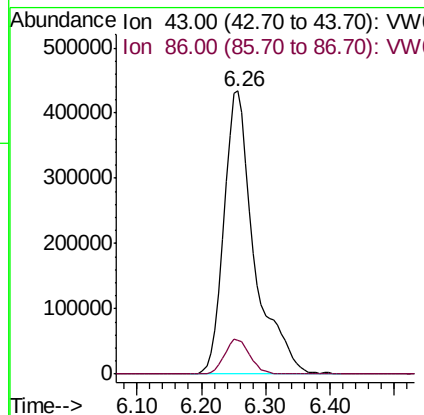
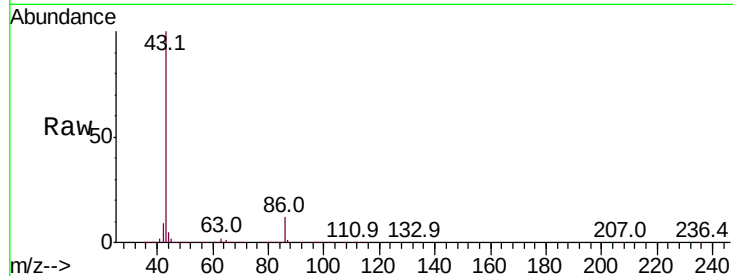
43 100

86 11.8 9.7 14.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 21.207 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

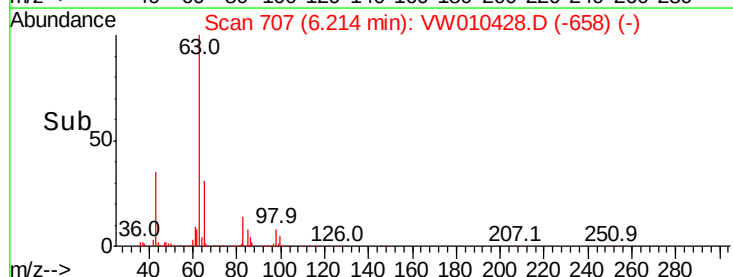
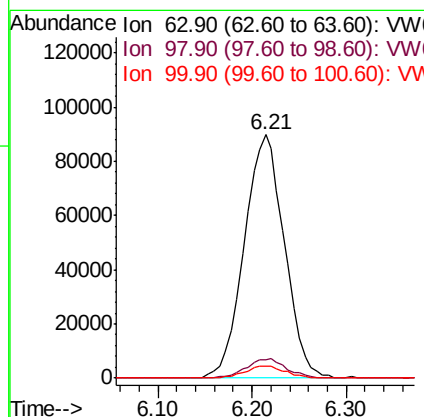
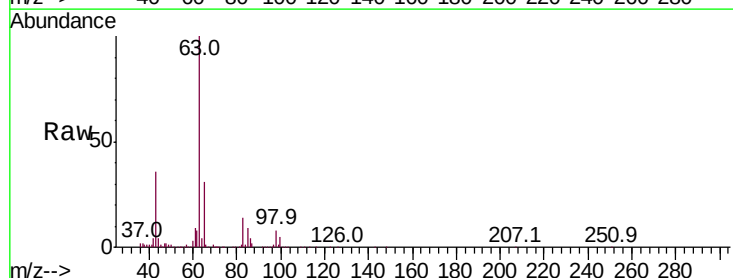
Tgt Ion: 63 Resp: 267426

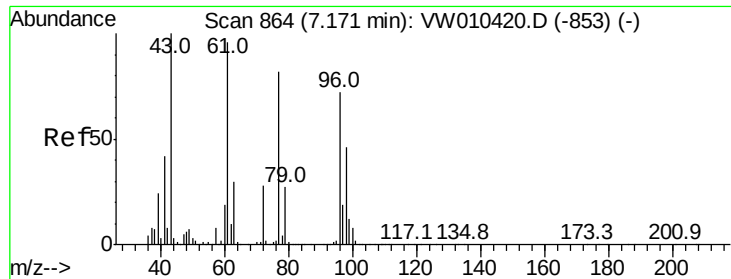
Ion Ratio Lower Upper

63 100

98 7.7 4.0 12.0

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 112.994 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampled :

VW0517SBS01

Tot Ion: 43 Resp: 245483

Ion Ratio Lower Upper

43 100

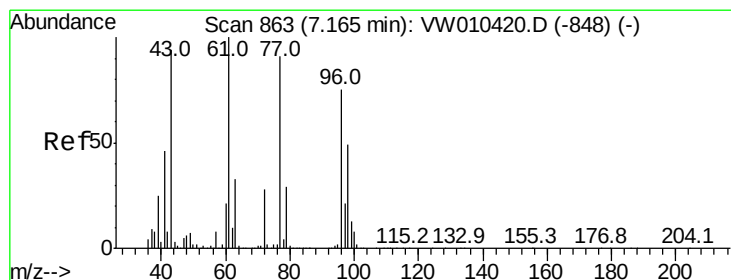
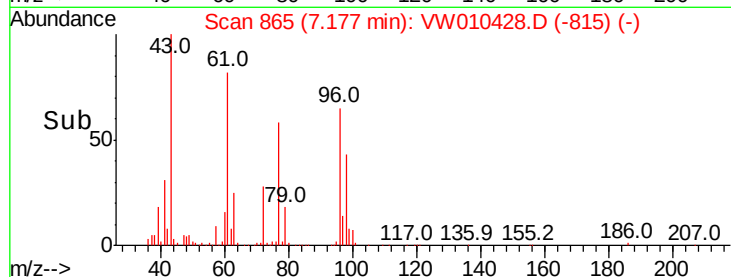
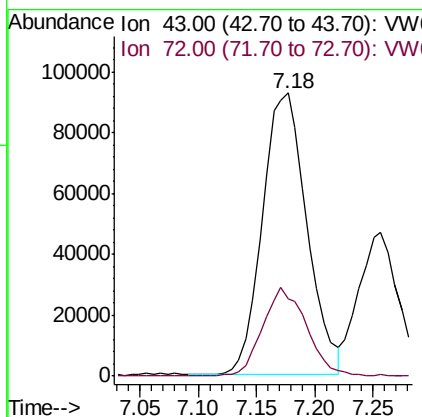
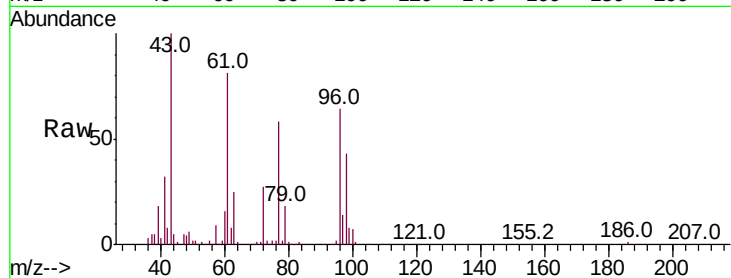
72 27.6 22.6 33.8

Manual Integrations

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MMDadoda

5/20/2019 12:15:24 PM



#26

2,2-Dichloropropane

Concen: 17.462 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010428.D

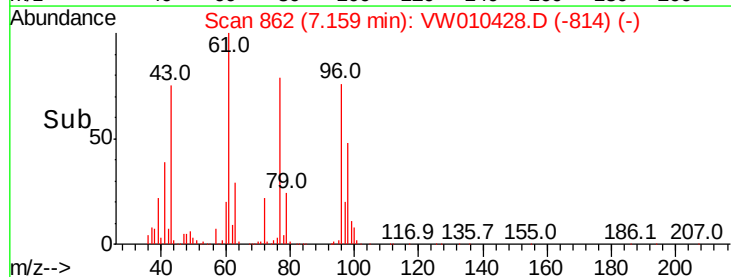
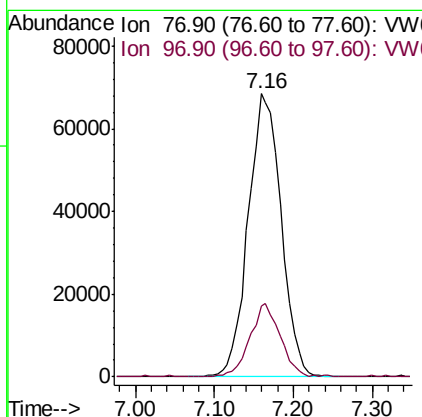
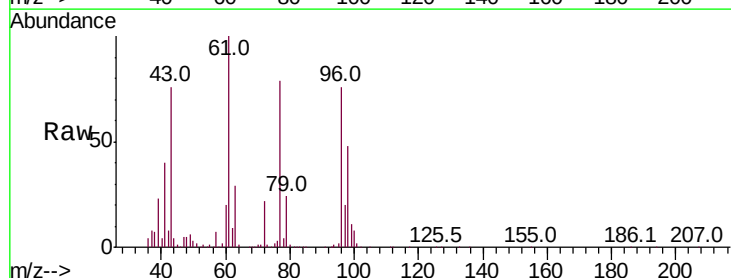
Acq: 18 May 2019 00:05

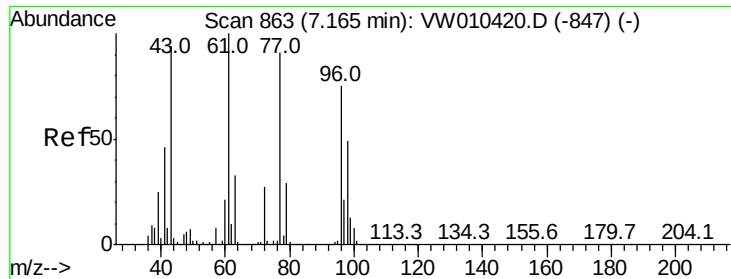
Tgt Ion: 77 Resp: 198704

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.1





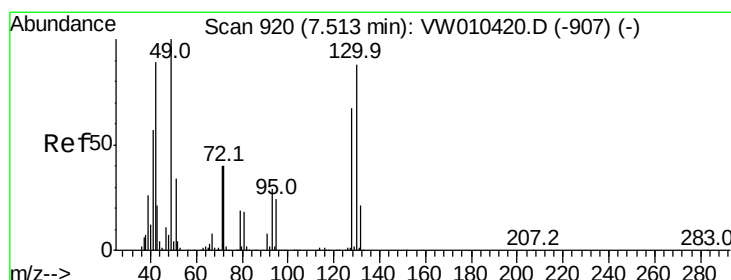
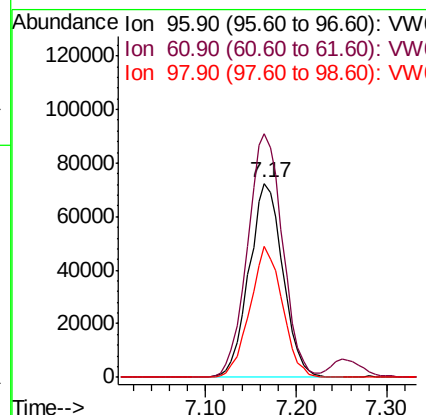
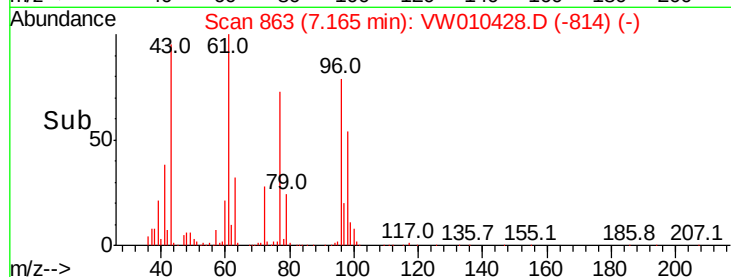
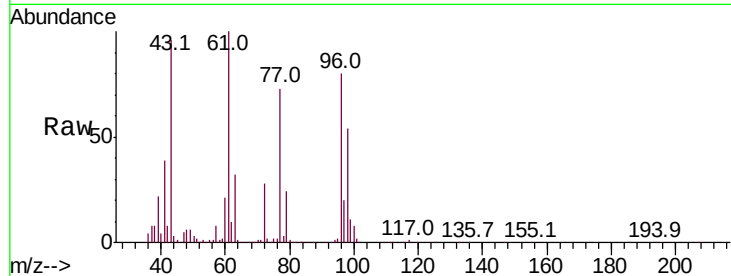
#27
 cis-1,2-Dichloroethene
 Concen: 21.778 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	266.4
98	64.8	0.0	129.6

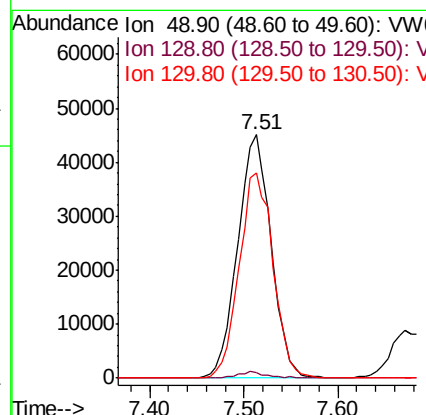
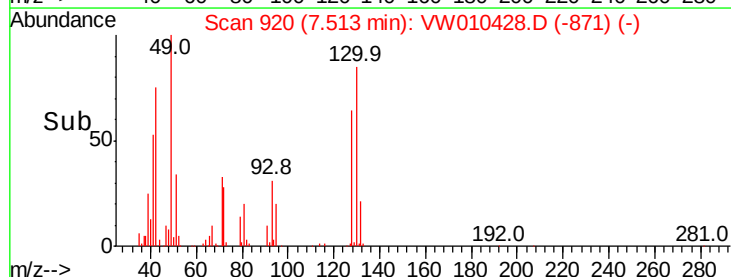
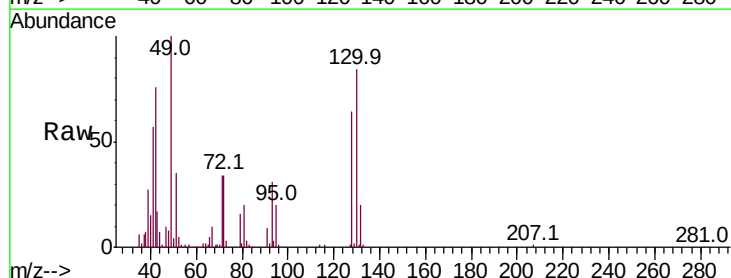
Manual Integrations
 APPROVED

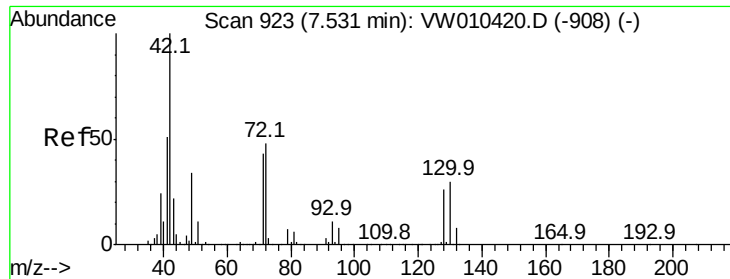
MMDadoda
 5/20/2019 12:15:24 PM



#28
 Bromochloromethane
 Concen: 23.587 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	85.2	68.2	102.4





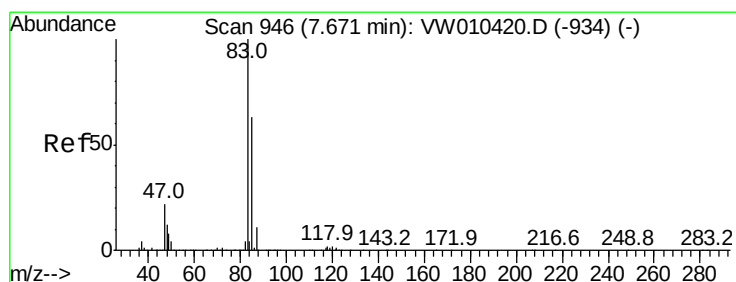
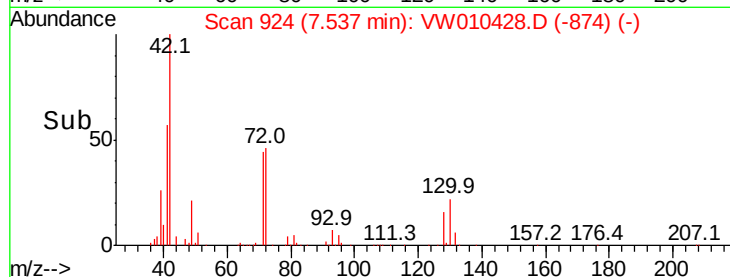
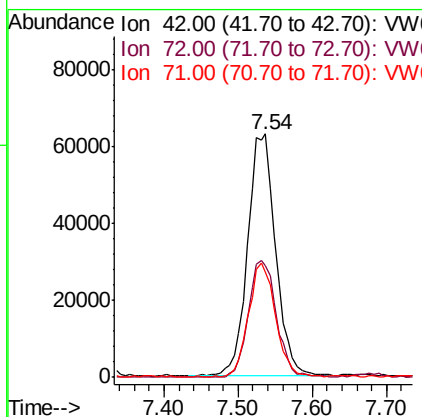
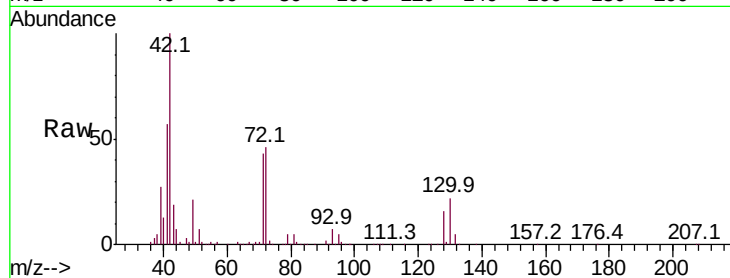
#29
Tetrahydrofuran
Concen: 113.115 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	166301		
72	48.8		38.2	57.2
71	45.2		36.0	54.0

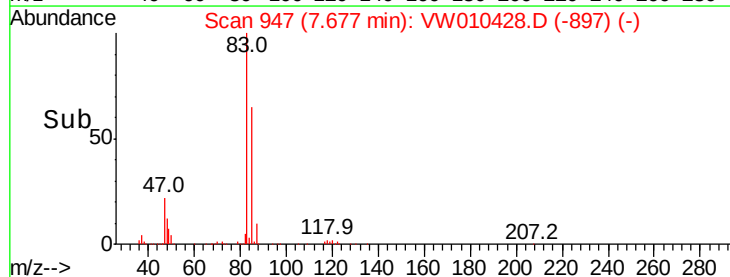
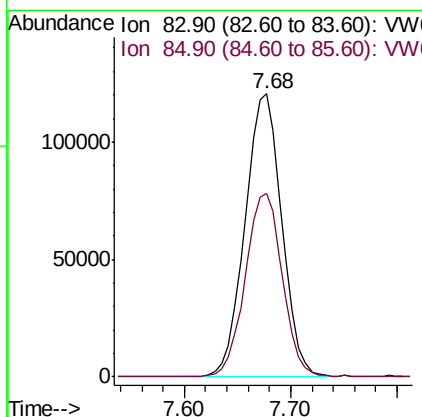
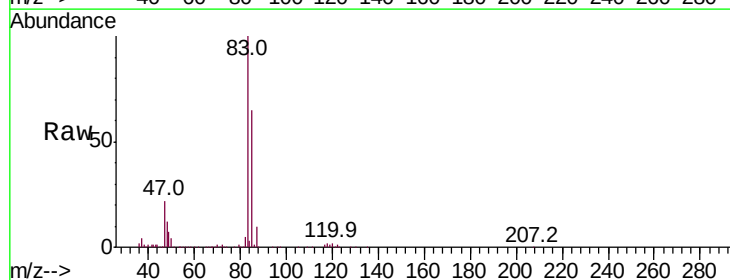
Manual Integrations
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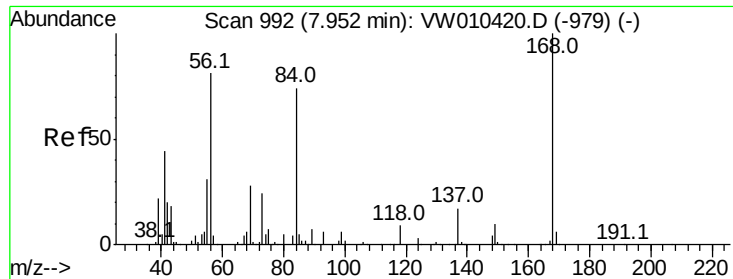
MMDadoda
5/20/2019 12:15:24 PM



#30
Chloroform
Concen: 22.006 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	291857		
85	64.7		50.8	76.2





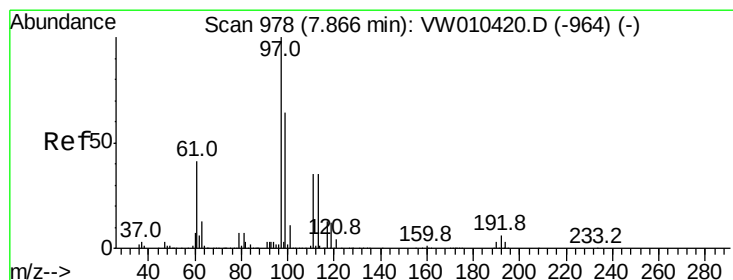
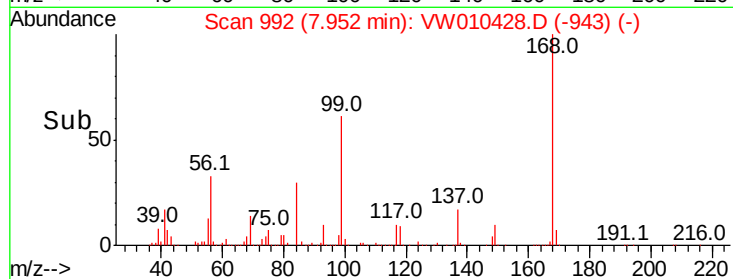
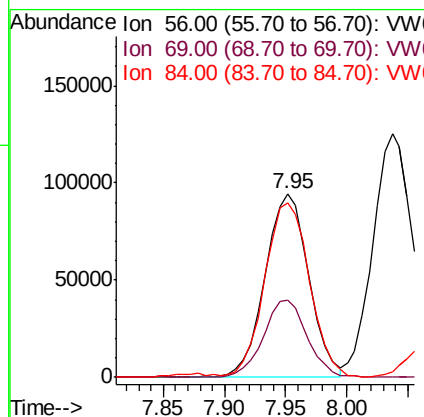
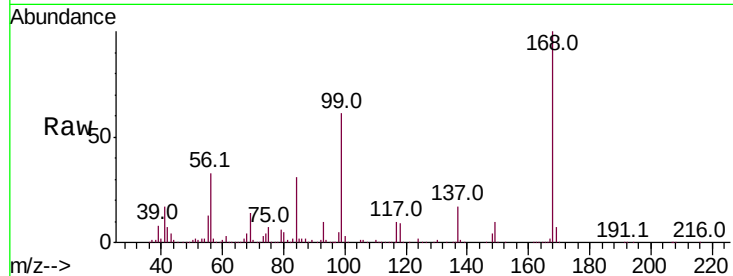
#31
Cyclohexane
Concen: 18.529 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.6	27.6	41.4#
84	93.3	72.9	109.3

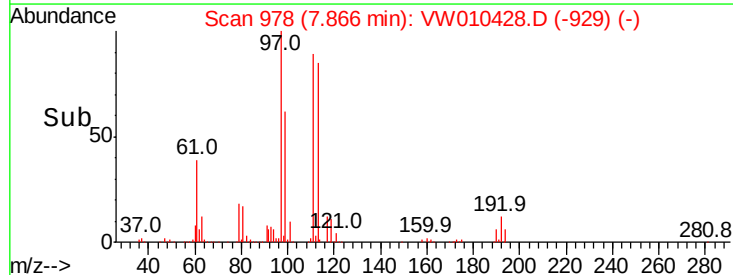
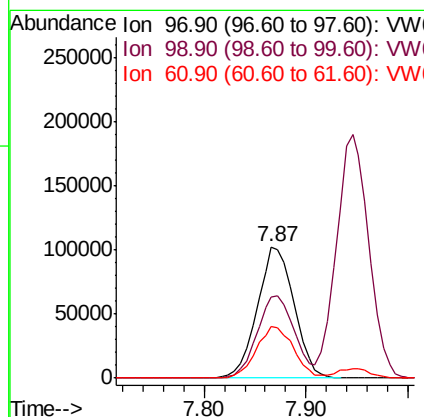
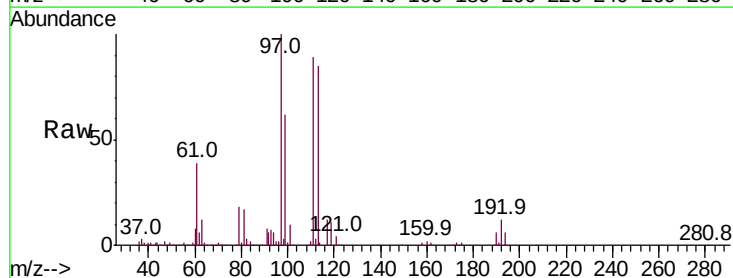
Manual Integrations
APPROVED

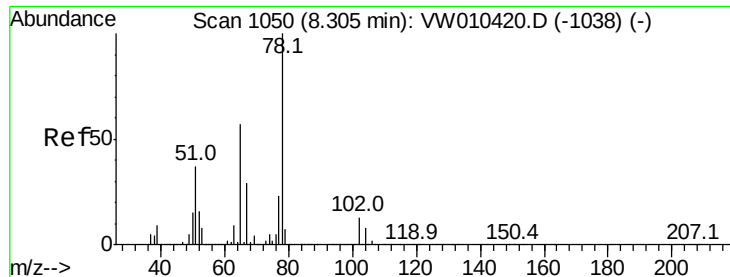
MMDadoda
5/20/2019 12:15:24 PM



#32
1,1,1-Trichloroethane
Concen: 20.469 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	39.9	32.0	48.0





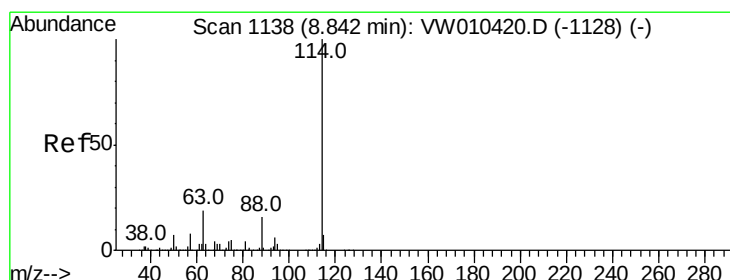
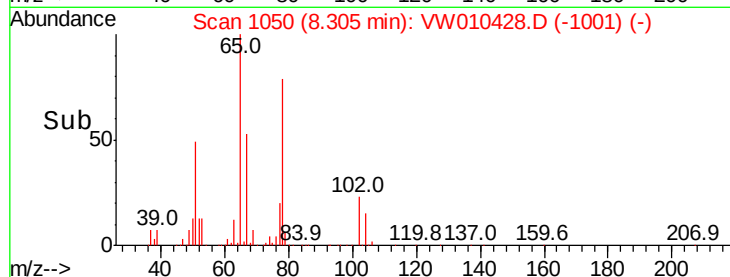
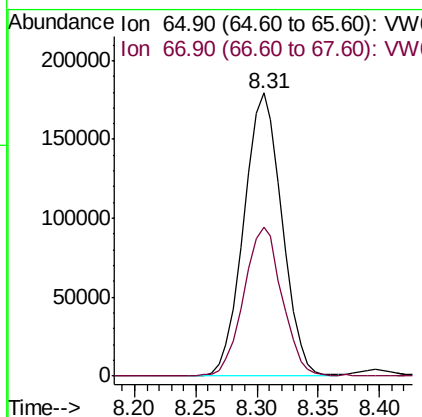
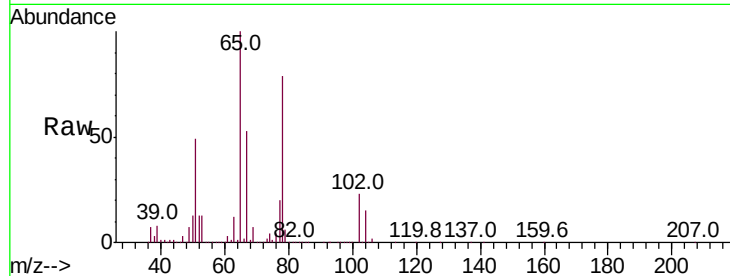
#33
 1,2-Dichloroethane-d4
 Concen: 53.927 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.2

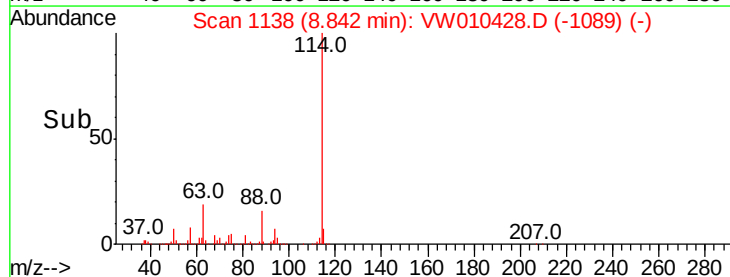
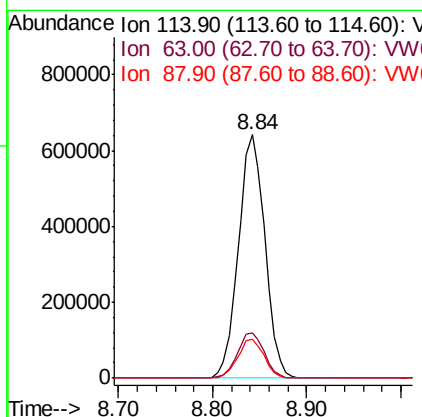
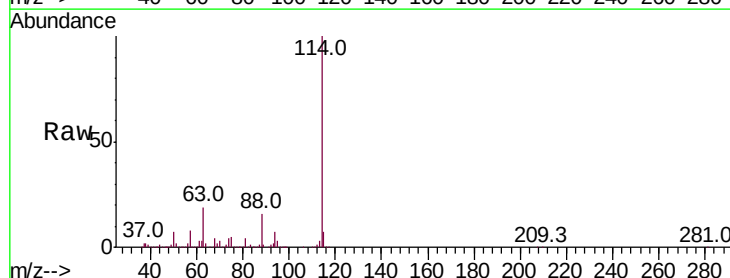
Manual Integrations
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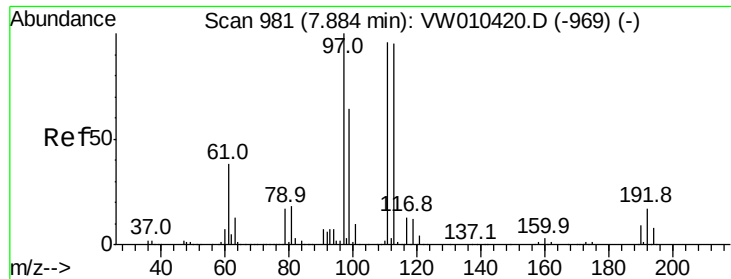
MMDadoda
 5/20/2019 12:15:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.8
88	16.0	0.0	31.6





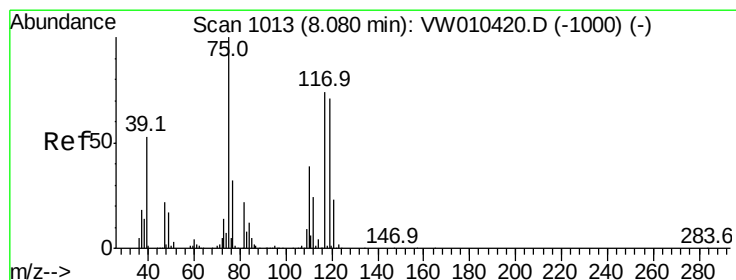
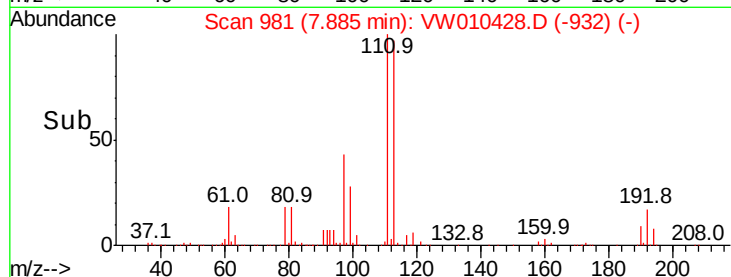
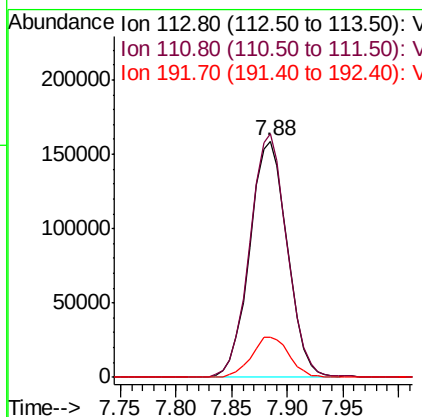
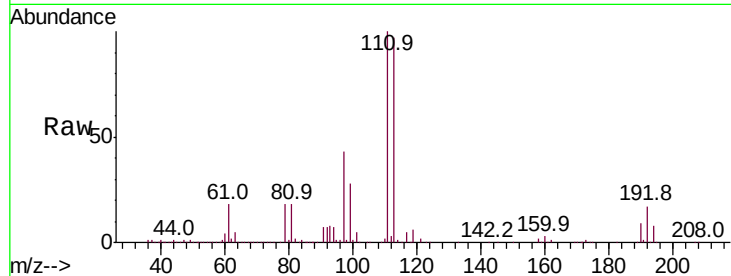
#35
 Dibromofluoromethane
 Concen: 48.056 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.5	123.7	
192	17.2	14.2	21.4	

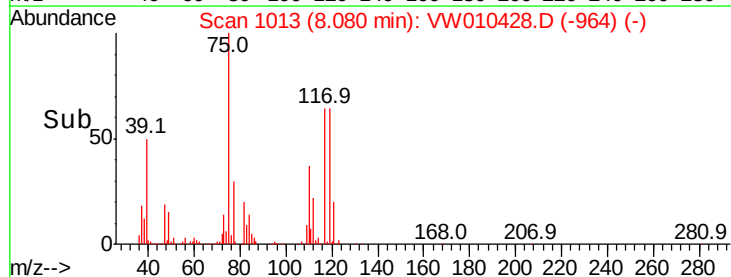
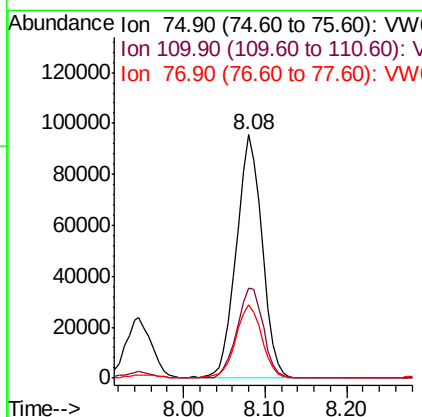
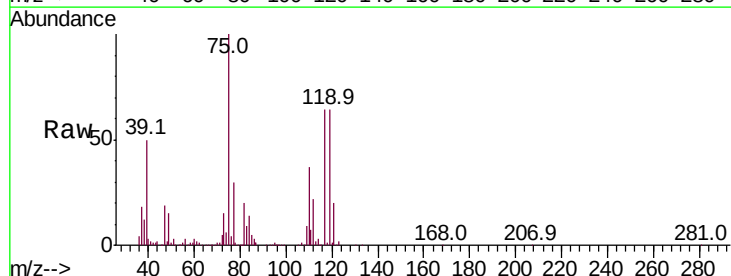
Manual Integrations
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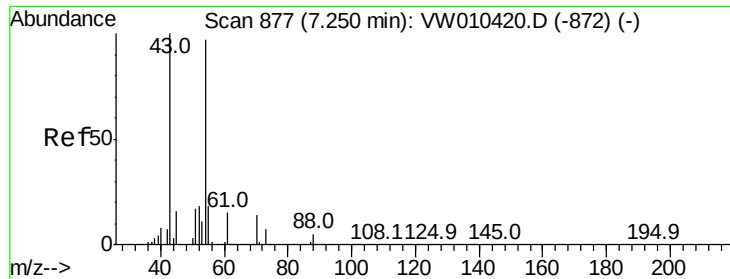
MMDadoda
 5/20/2019 12:15:24 PM



#36
 1,1-Dichloropropene
 Concen: 18.706 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.9	19.4	58.1	
77	30.7	24.7	37.1	





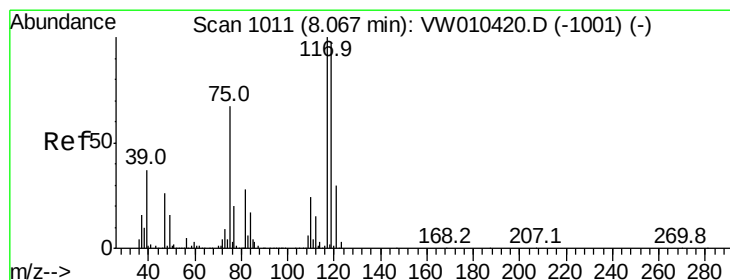
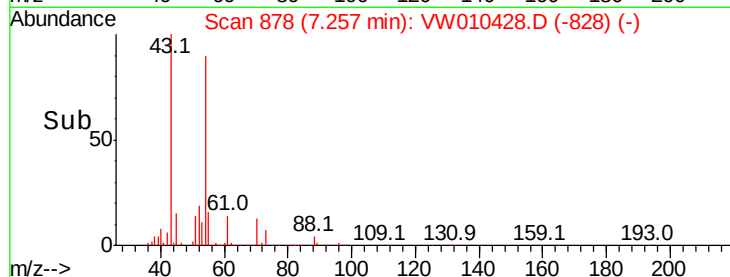
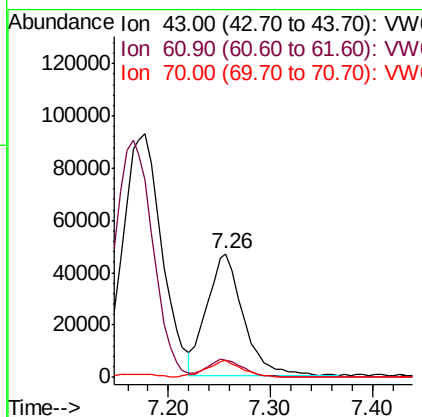
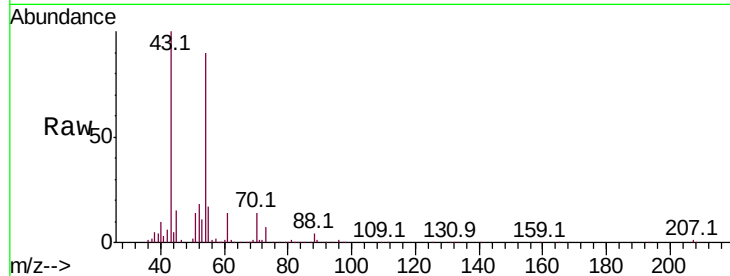
#37
Ethyl Acetate
Concen: 21.708 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	12.9	9.4	14.0

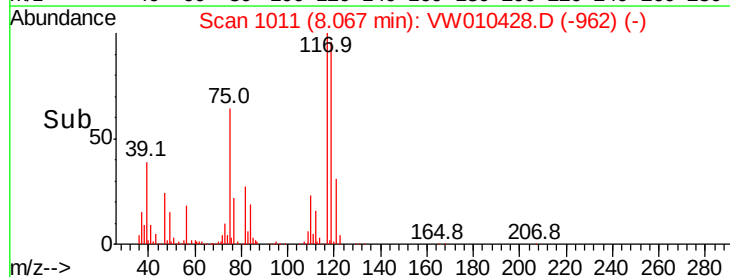
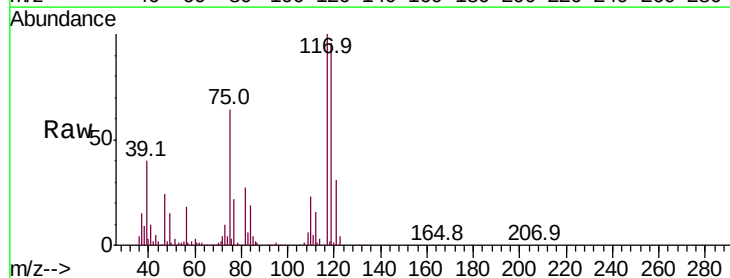
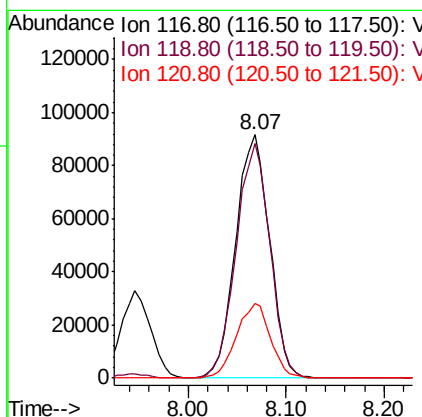
Manual Integrations
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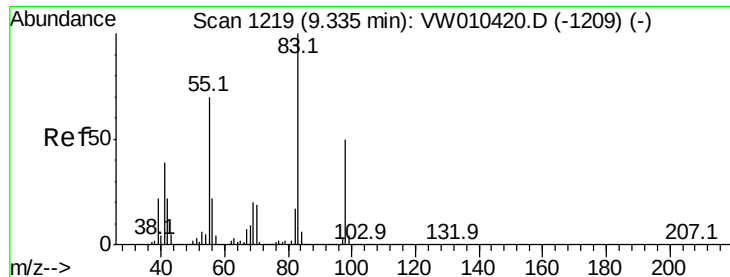
MMDadoda
5/20/2019 12:15:24 PM



#38
Carbon Tetrachloride
Concen: 18.364 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.6
121	30.8	24.2	36.2





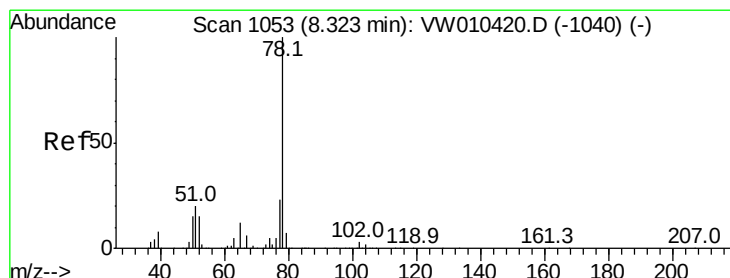
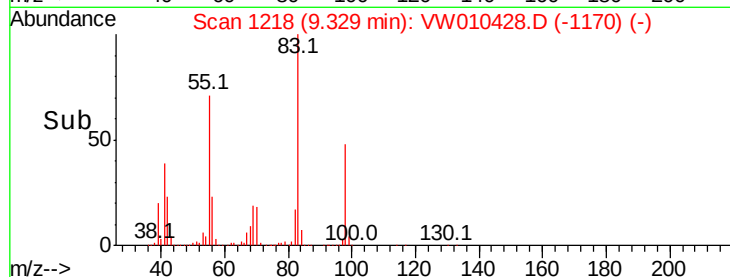
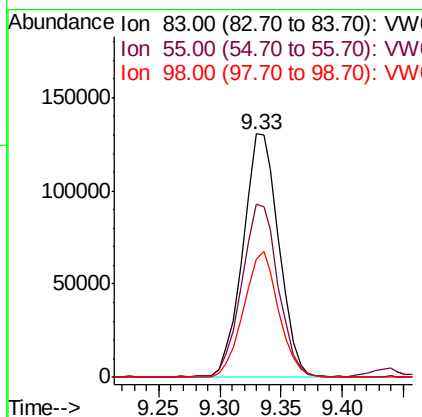
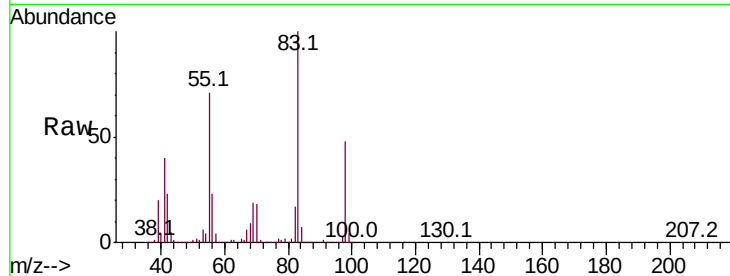
#39
Methylvlcyclohexane
Concen: 17.949 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	55.7	83.5
98	48.3	40.2	60.4

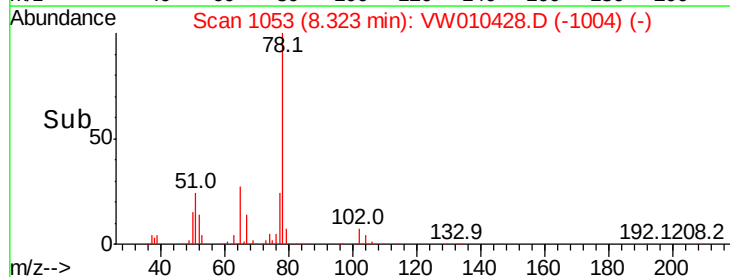
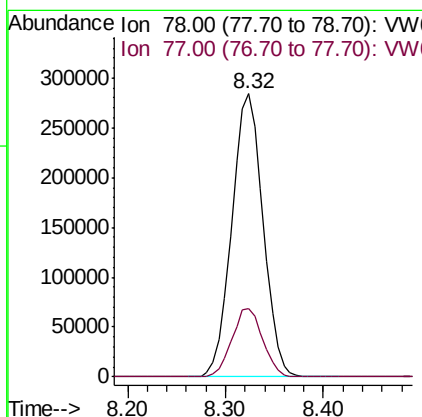
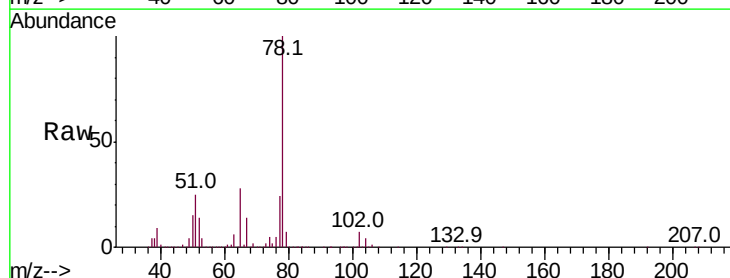
Manual Integrations
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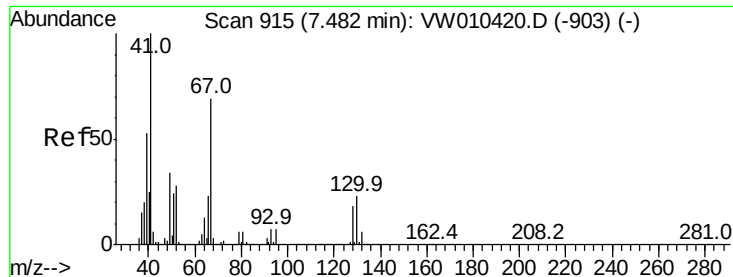
MMDadoda
5/20/2019 12:15:24 PM



#40
Benzene
Concen: 19.794 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





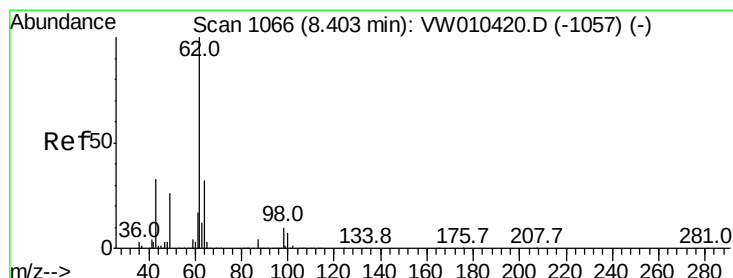
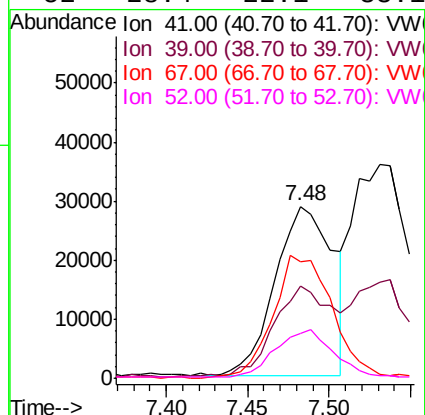
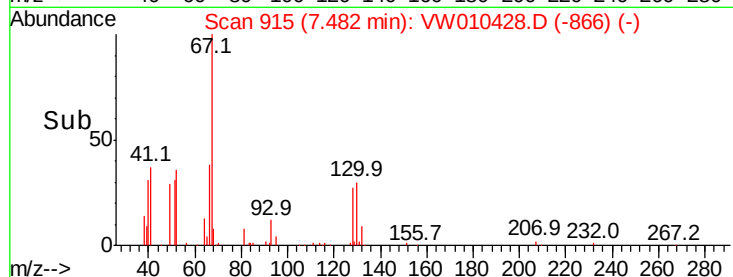
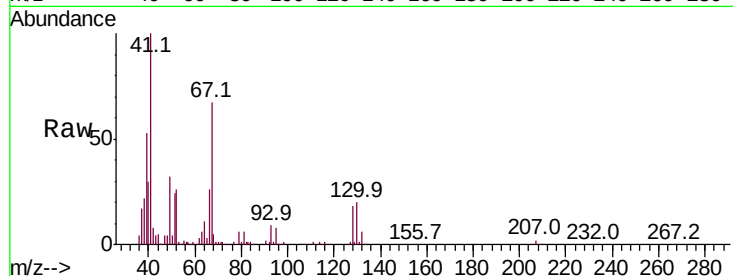
#41
Methacrylonitrile
Concen: 22.356 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampled :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.6	38.1	57.1
67	72.1	55.5	83.3
52	28.4	22.1	33.1

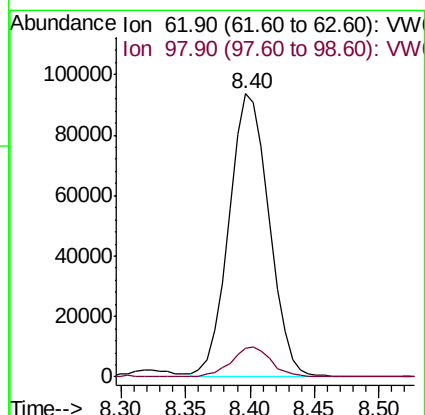
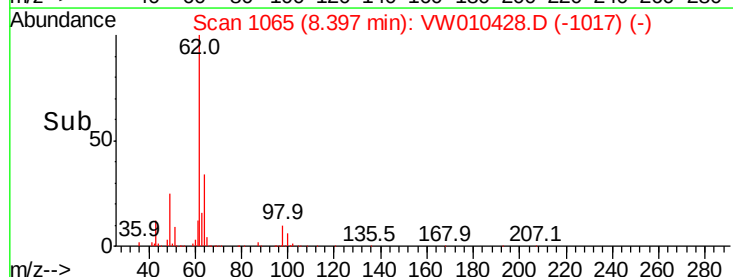
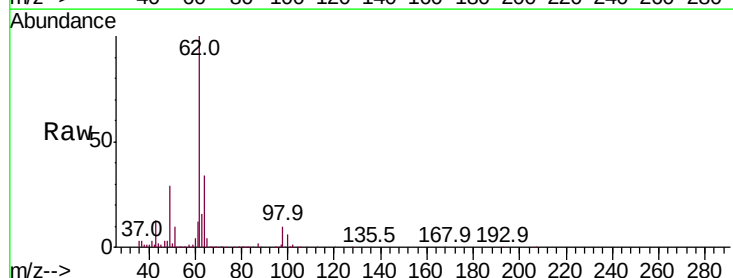
Manual Integrations
APPROVED

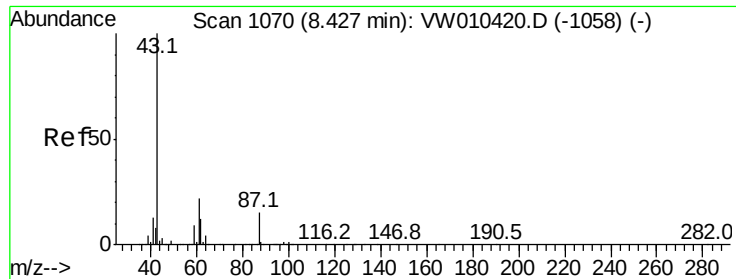
MMDadoda
5/20/2019 12:15:24 PM



#42
1,2-Dichloroethane
Concen: 21.345 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 21.612 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

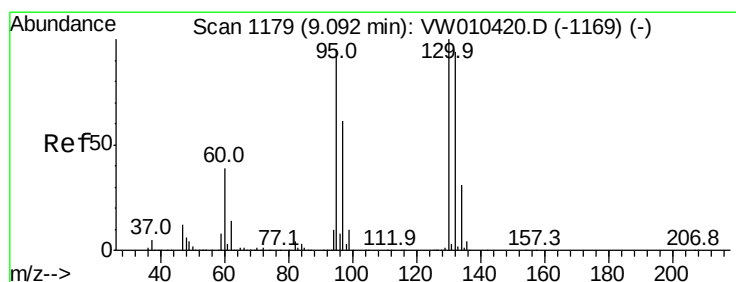
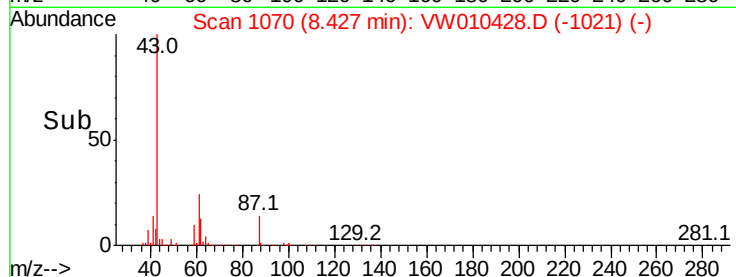
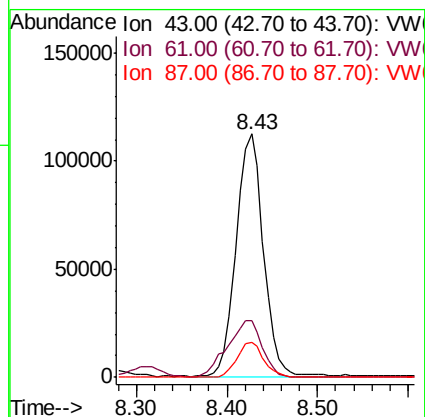
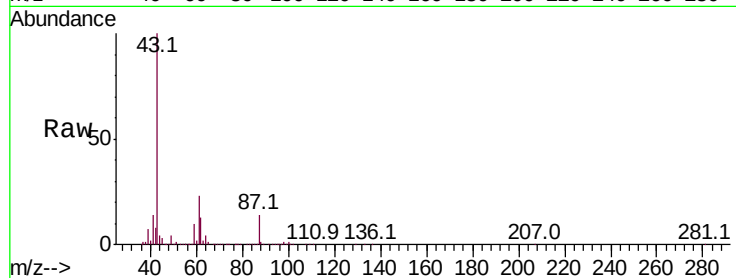
ClientSampleId :

VW0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.4	36.6
87	14.2	11.8	17.8

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#44

Trichloroethene

Concen: 19.586 ug/l

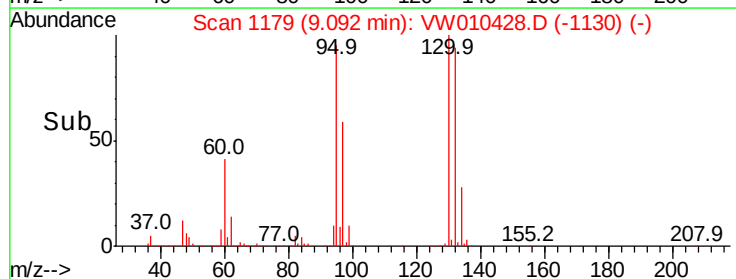
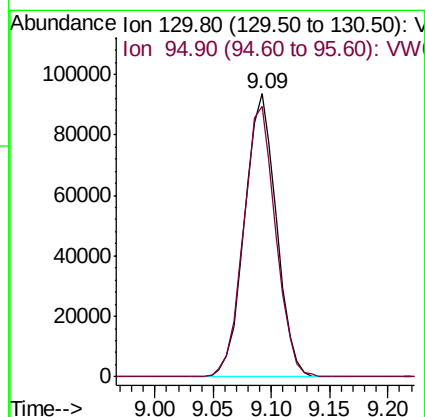
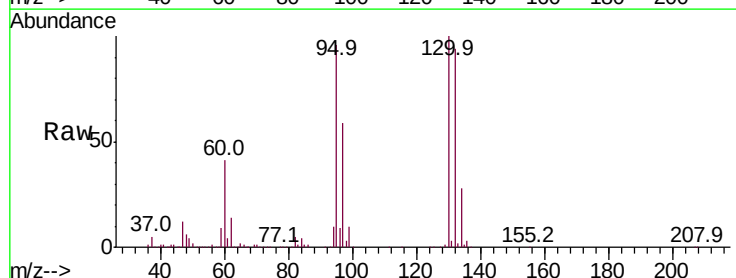
RT: 9.09 min Scan# 1179

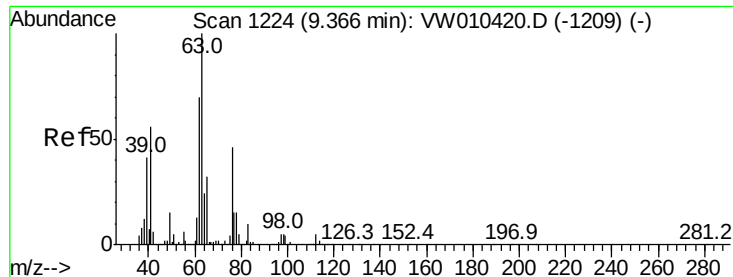
Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	190.4





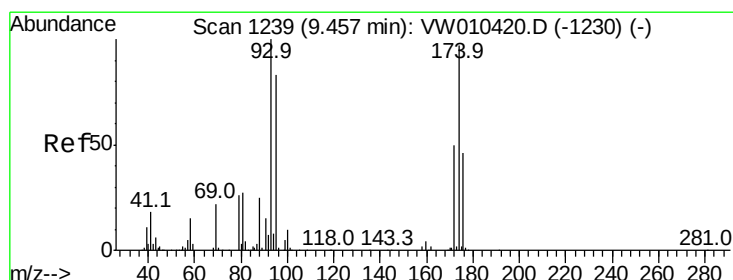
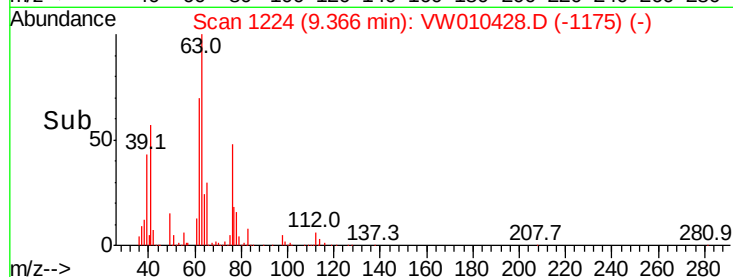
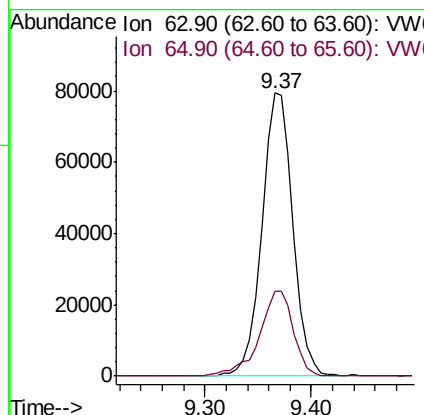
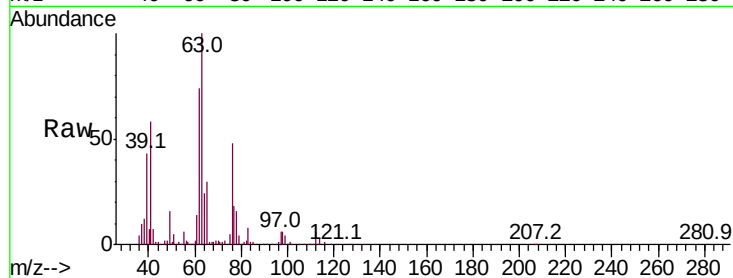
#45
 1,2-Dichloropropane
 Concen: 20.678 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.4	38.2

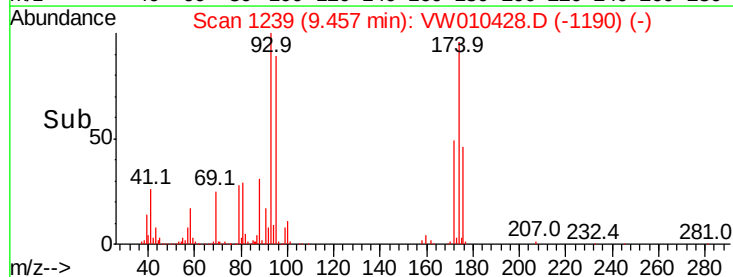
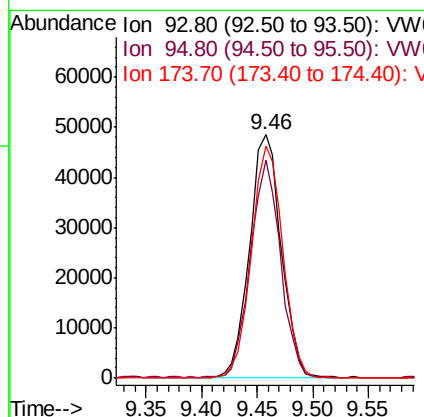
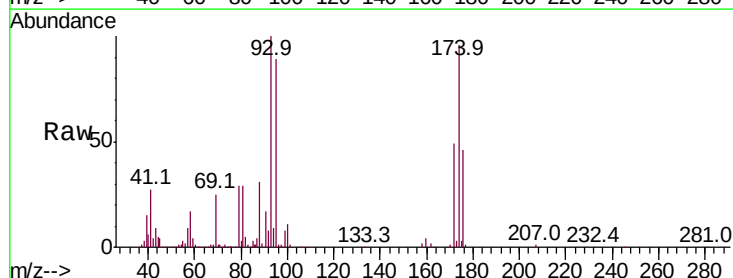
Manual Integrations
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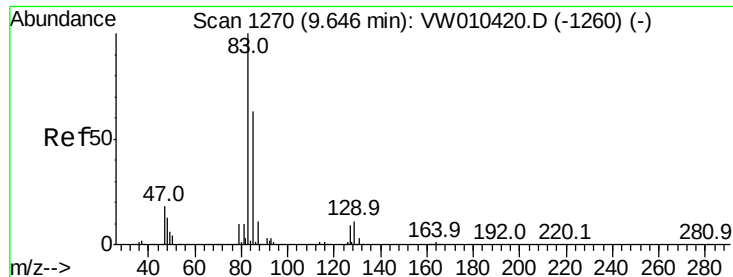
MMDadoda
 5/20/2019 12:15:24 PM



#46
 Dibromomethane
 Concen: 21.017 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.6	100.0
174	94.1	76.4	114.6





#47

Bromodichloromethane

Concen: 20.587 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

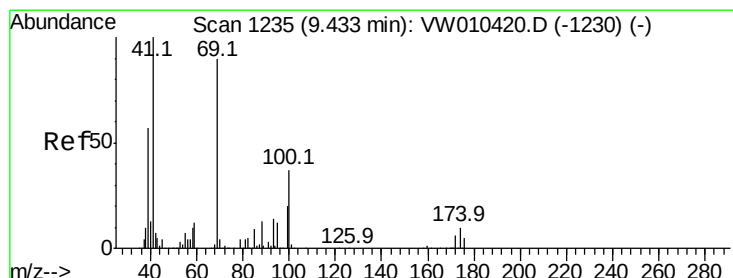
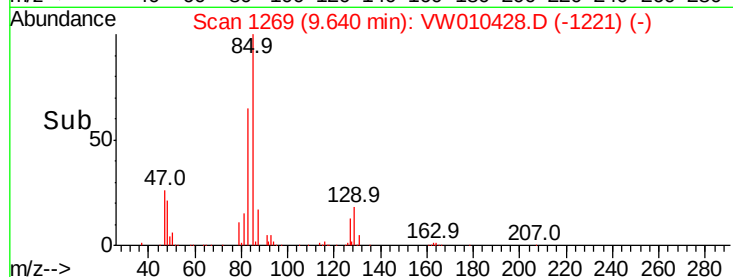
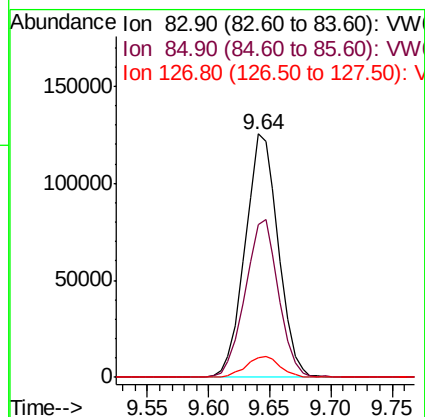
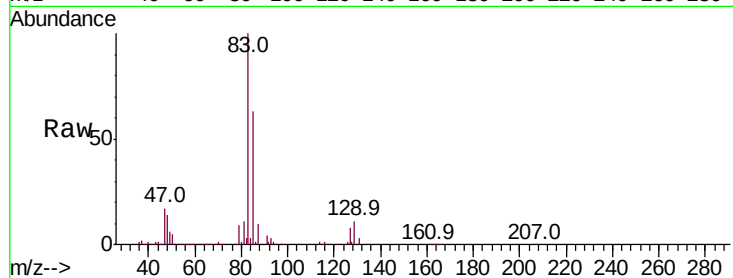
ClientSampleId :

VW0517SBS01

Tot Ion:	83	Resp:	235181
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.0	75.0
127	7.9	7.3	10.9

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 20.634 ug/l

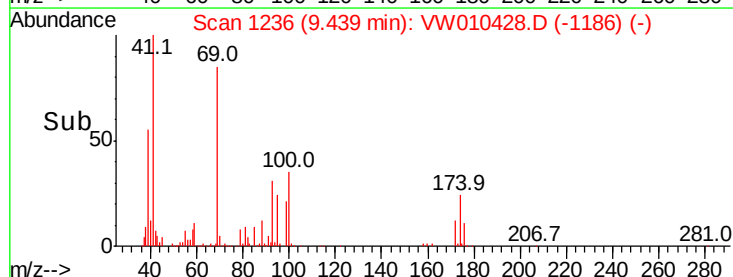
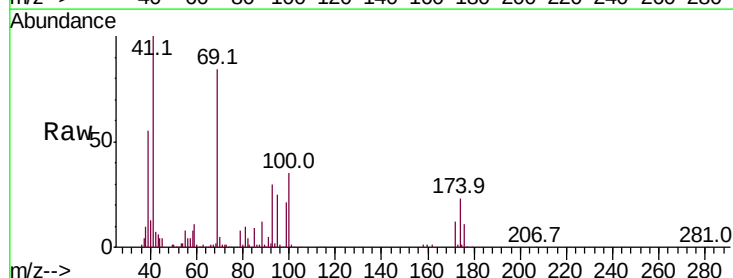
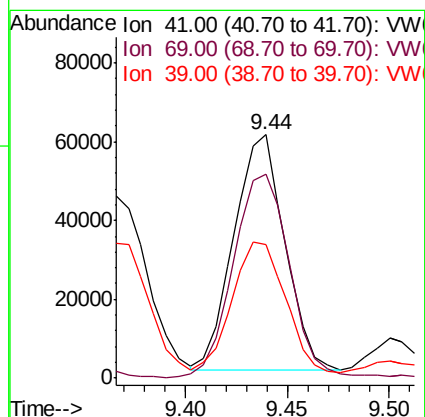
RT: 9.44 min Scan# 1236

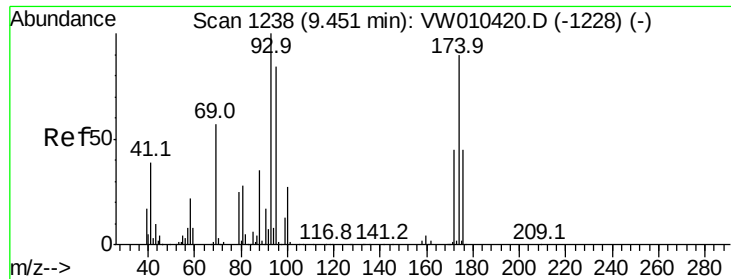
Delta R.T. 0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion:	41	Resp:	103485
Ion Ratio	Lower	Upper	
41	100		
69	95.4	75.2	112.8
39	62.5	46.8	70.2





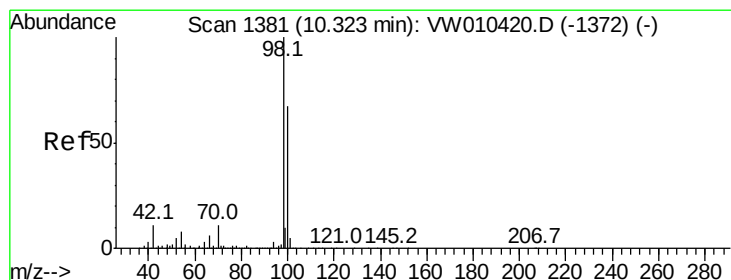
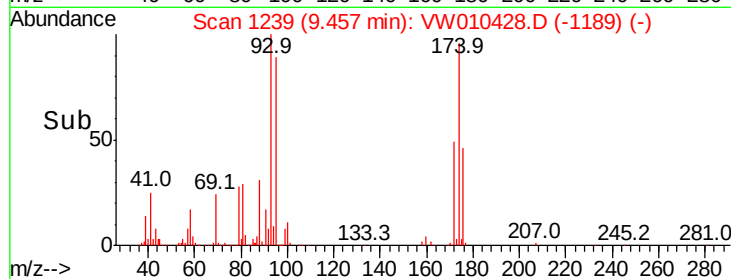
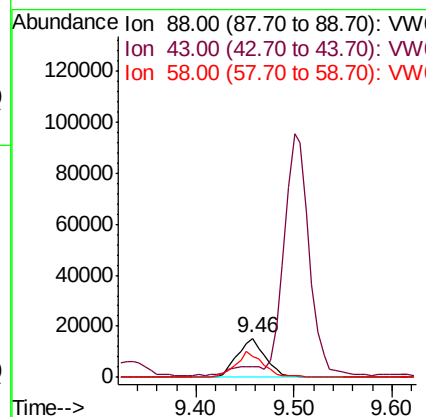
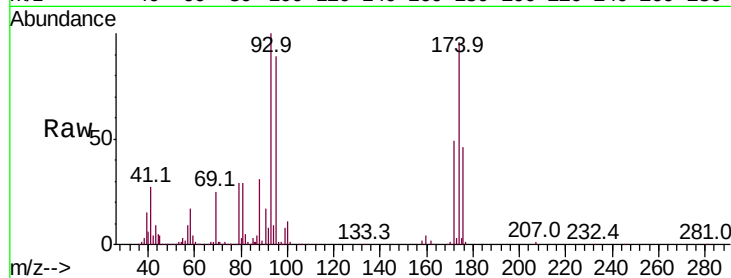
#49
1,4-Dioxane
Concen: 447.301 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.9	37.3#
58	67.5	55.0	82.6

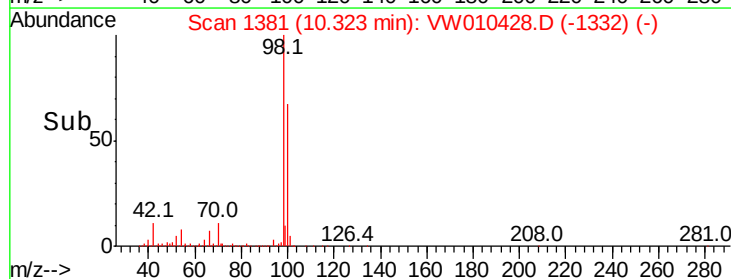
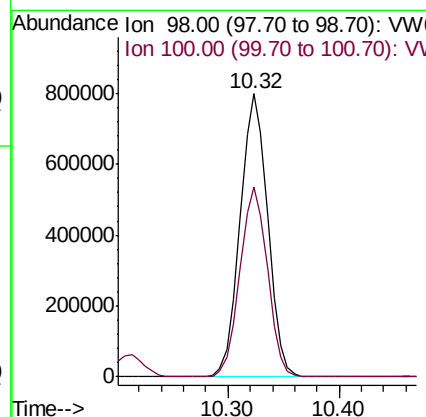
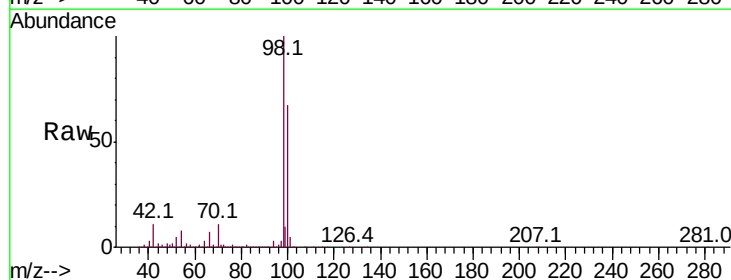
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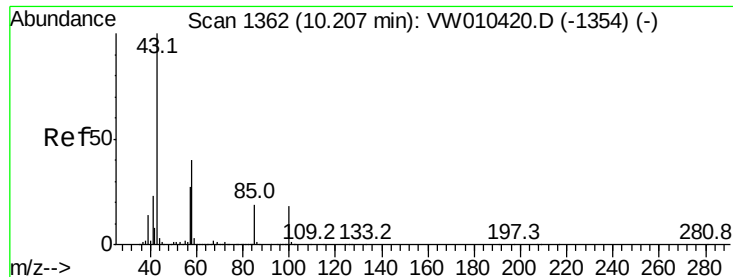
MMDadoda
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#50
Toluene-d8
Concen: 47.131 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 105.282 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 43 Resp: 586155

Ion Ratio Lower Upper

43 100

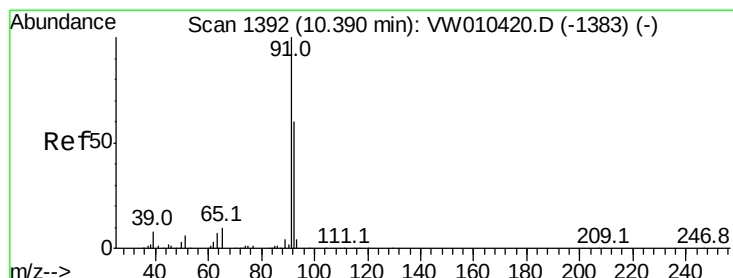
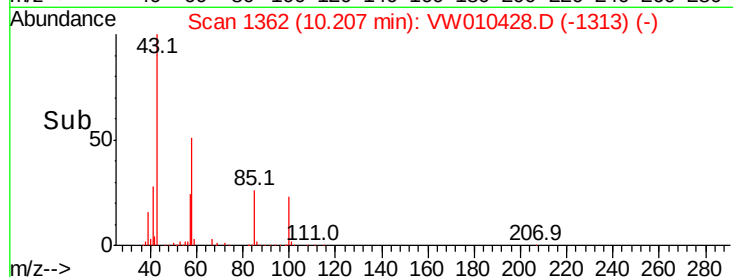
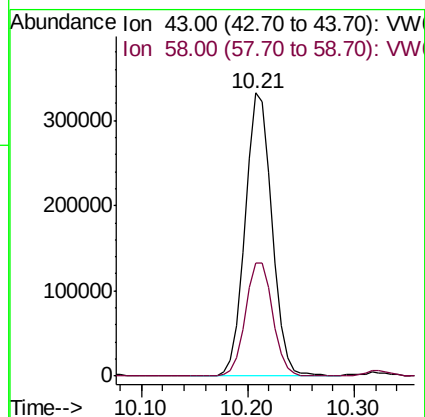
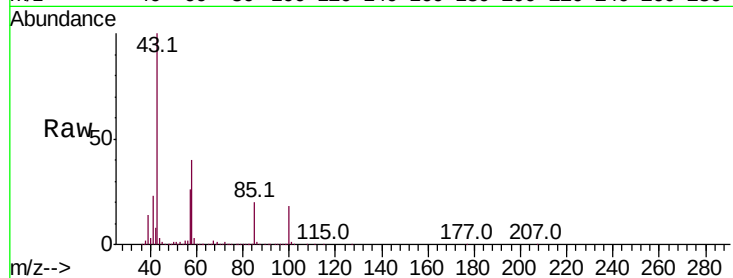
58 41.2 32.7 49.1

Manual Integrations

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#52

Toluene

Concen: 19.742 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010428.D

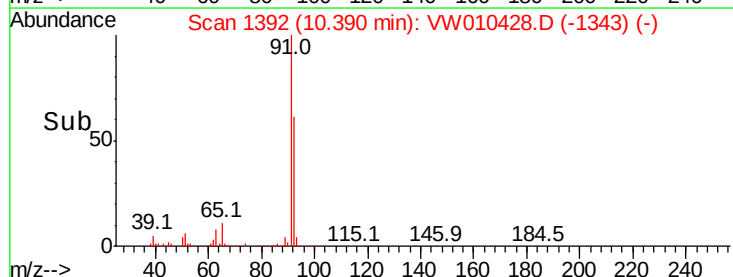
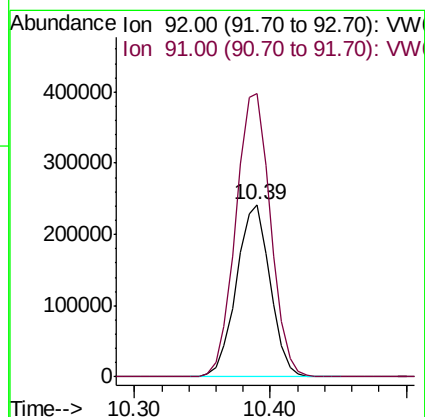
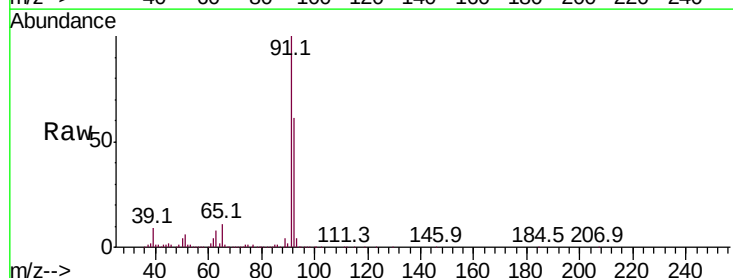
Acq: 18 May 2019 00:05

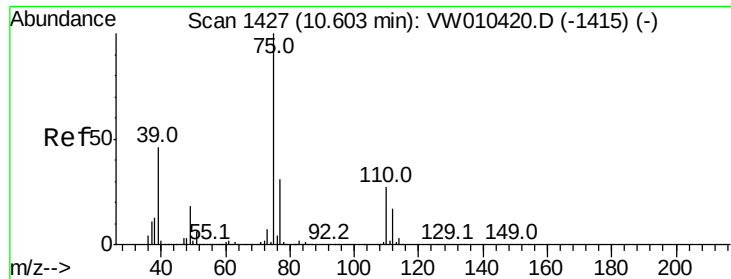
Tgt Ion: 92 Resp: 416848

Ion Ratio Lower Upper

92 100

91 170.3 135.4 203.0





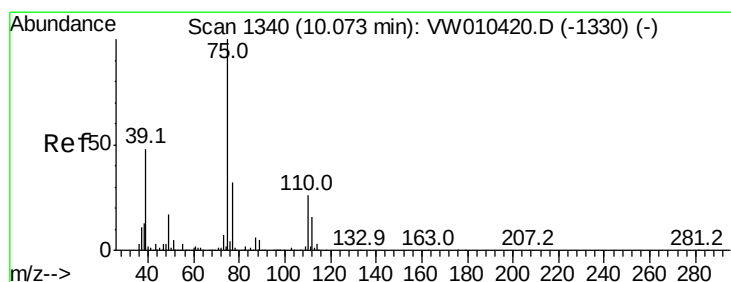
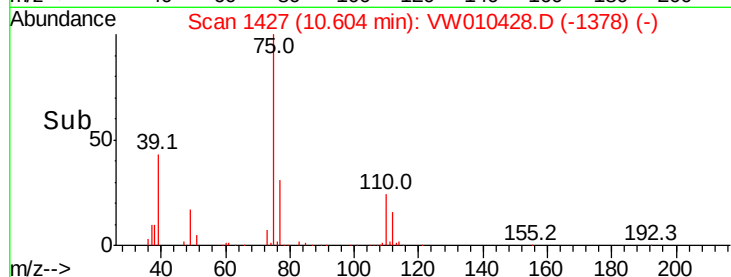
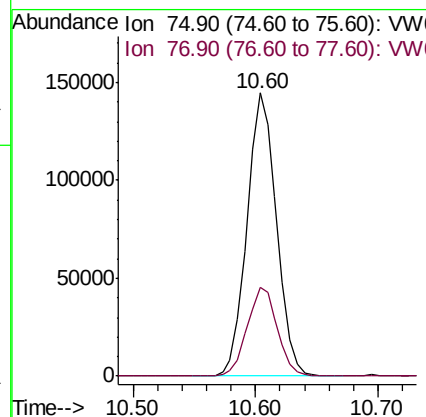
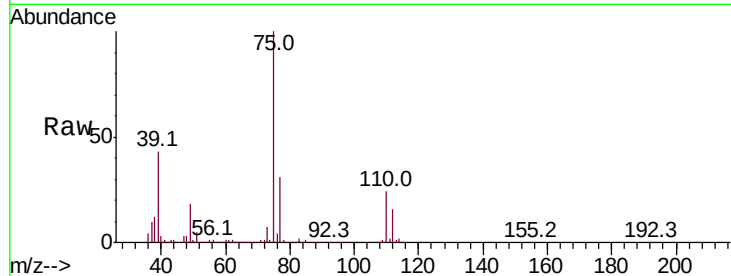
#53
t-1,3-Dichloropropene
Concen: 20.486 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	37.0

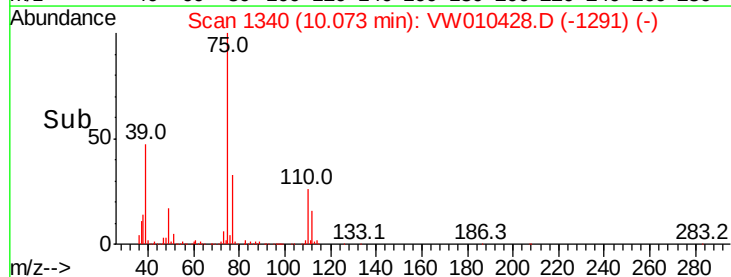
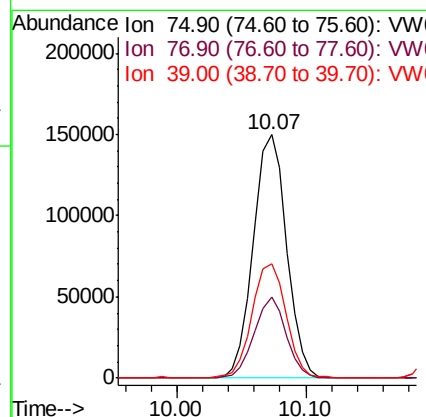
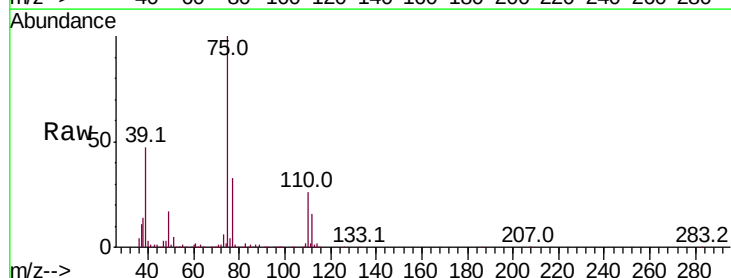
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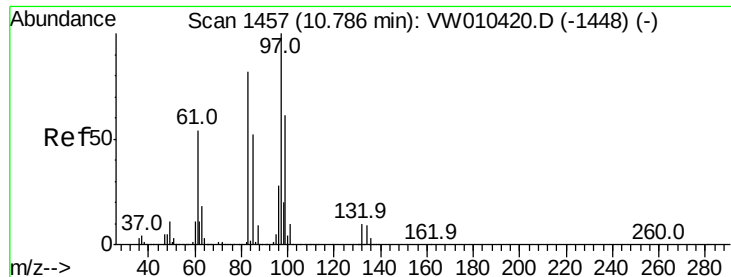
MMDadoda
5/20/2019 12:15:24 PM



#54
cis-1,3-Dichloropropene
Concen: 20.021 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.2	37.8
39	46.7	38.1	57.1





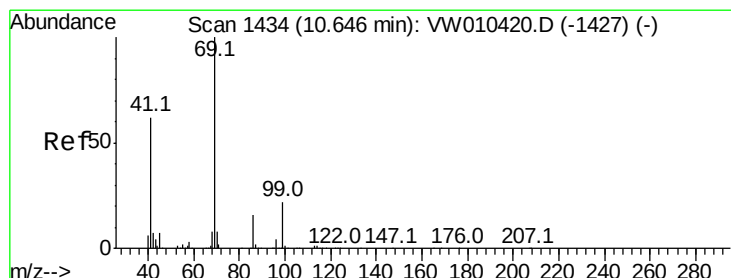
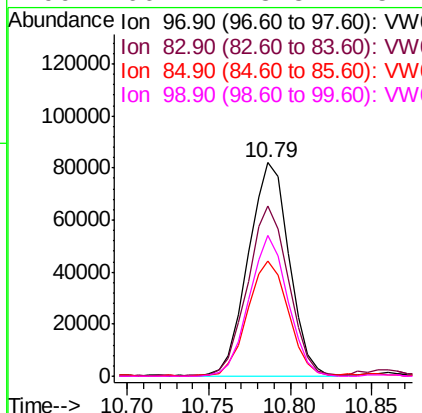
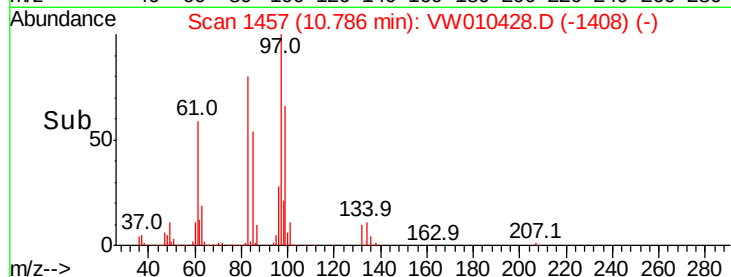
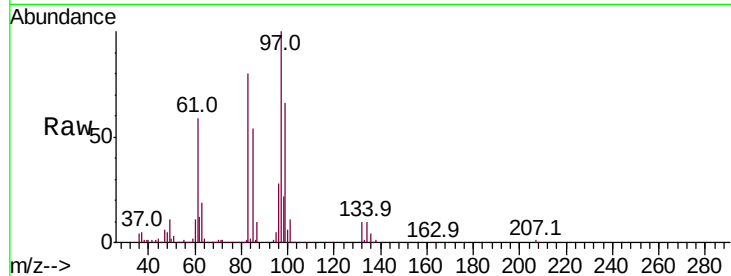
#55
 1,1,2-Trichloroethane
 Concen: 21.429 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		142137		
83	79.5	65.6	98.4		
85	53.6	41.6	62.4		
99	66.2	48.8	73.2		

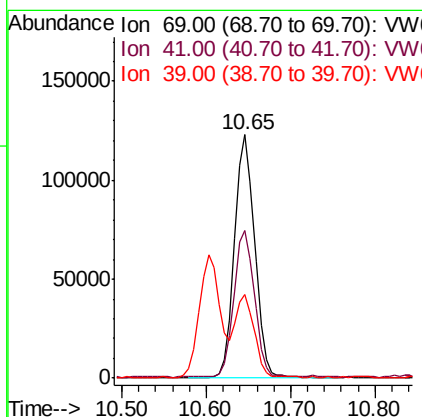
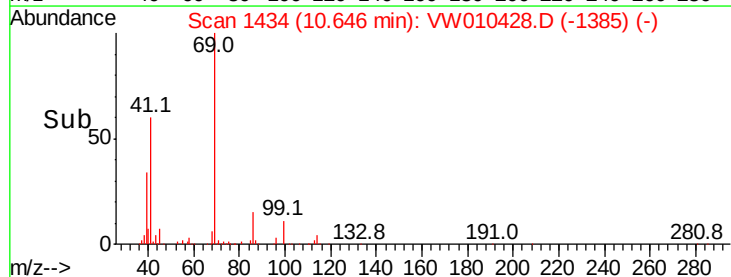
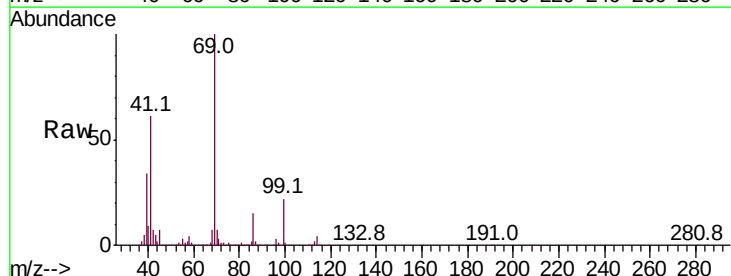
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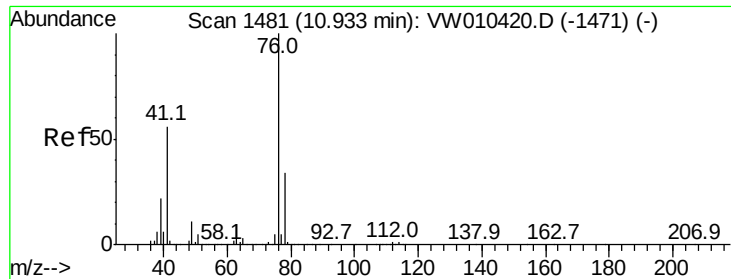
MMDadoda
 5/20/2019 12:15:24 PM



#56
 Ethyl methacrylate
 Concen: 21.450 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		198533		
41	60.5	50.0	75.0		
39	31.7	26.5	39.7		





#57

1,3-Dichloropropane

Concen: 21.700 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 76 Resp: 241291

Ion Ratio Lower Upper

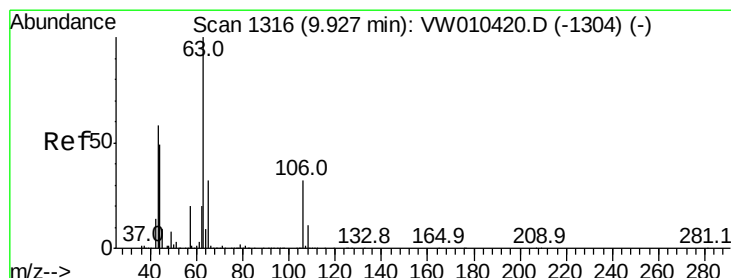
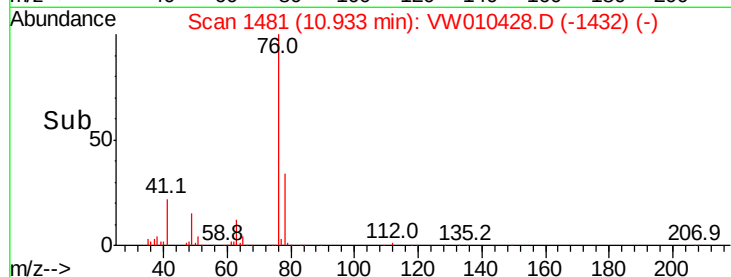
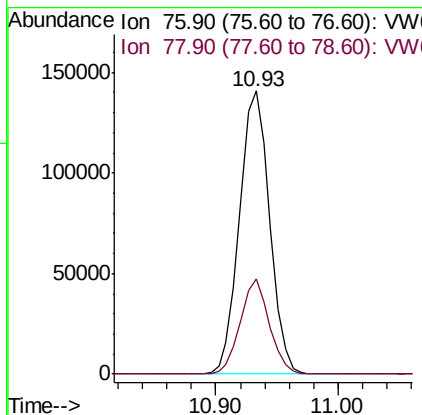
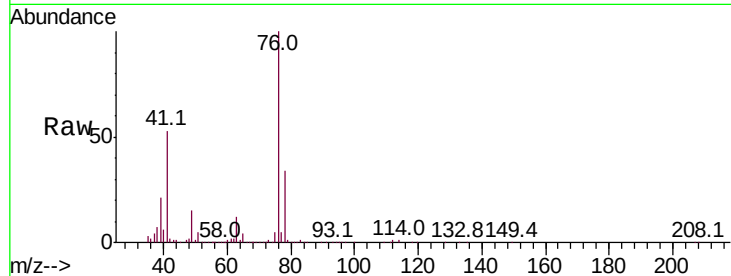
76 100

78 32.3 25.8 38.8

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 103.347 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW010428.D

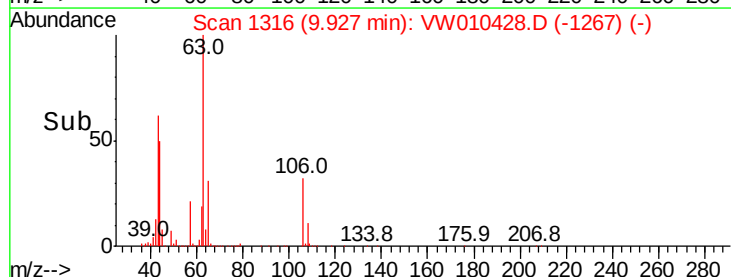
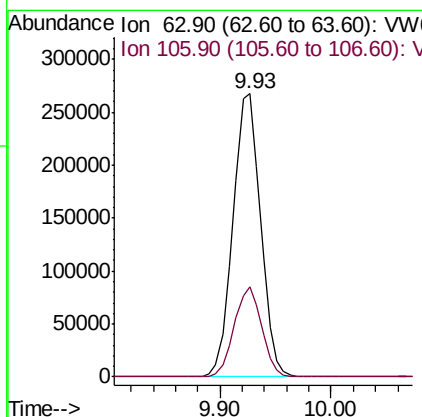
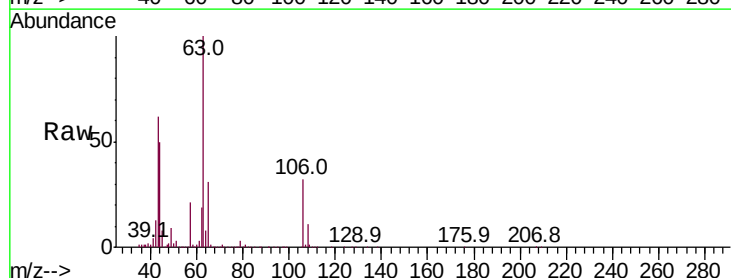
Acq: 18 May 2019 00:05

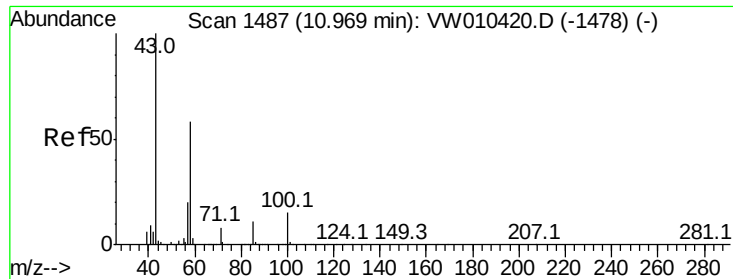
Tgt Ion: 63 Resp: 459604

Ion Ratio Lower Upper

63 100

106 31.6 25.2 37.8





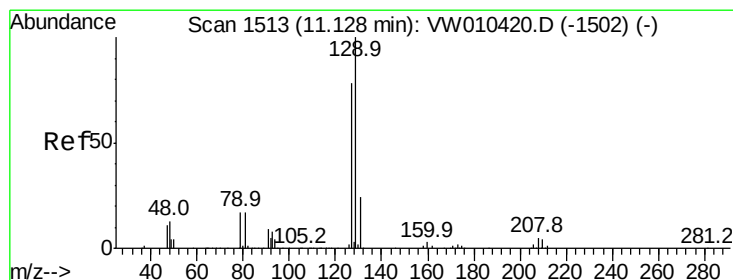
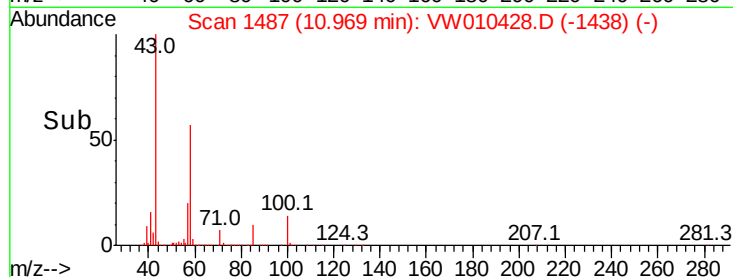
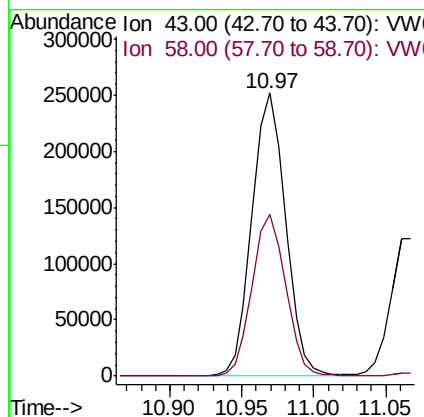
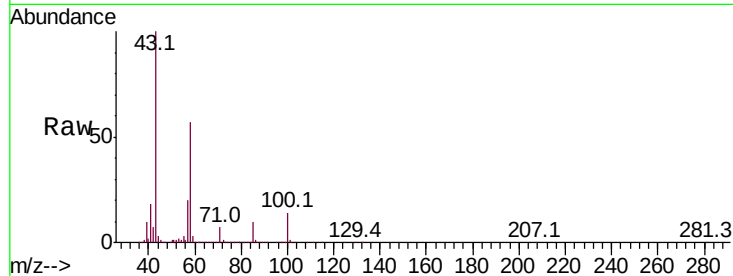
#59
2-Hexanone
Concen: 104.730 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	28.5	85.6

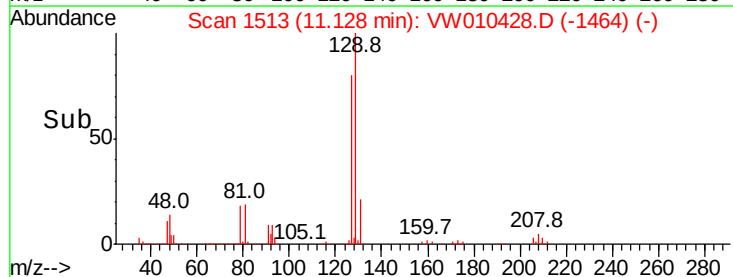
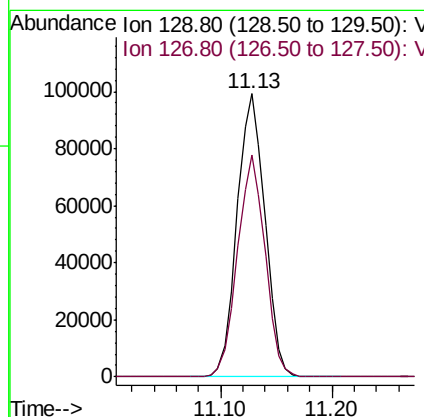
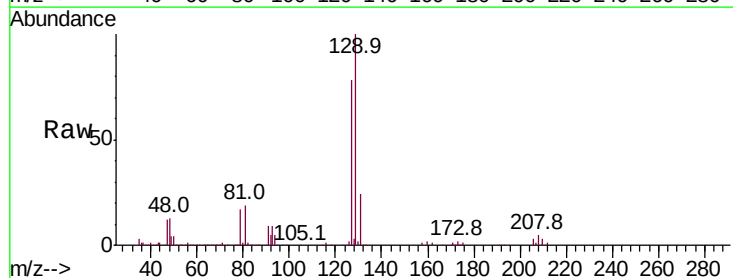
Manual Integrations
APPROVED

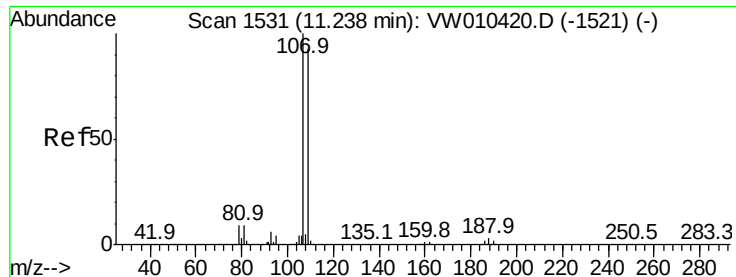
MMDadoda
5/20/2019 12:15:24 PM



#60
Dibromochloromethane
Concen: 20.883 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.0	116.9





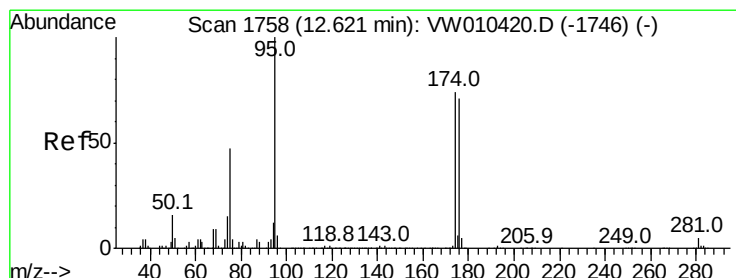
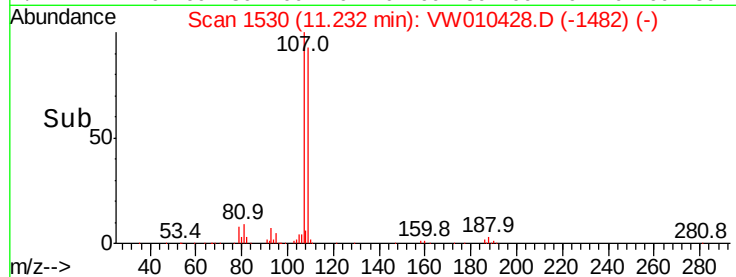
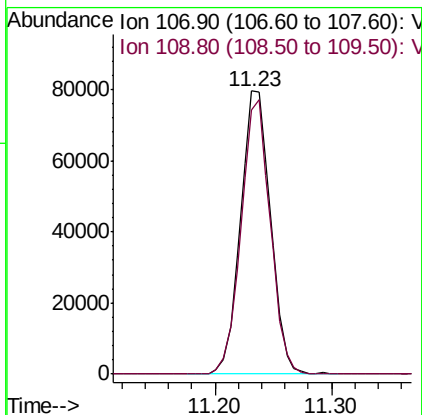
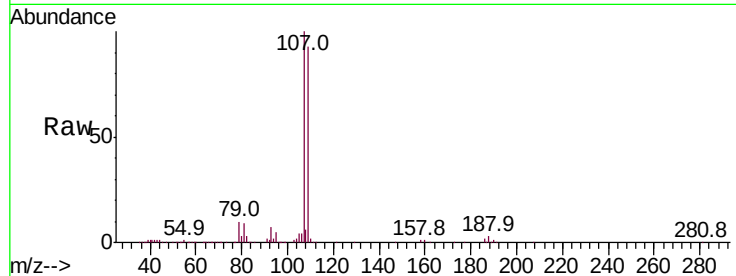
#61
 1,2-Dibromoethane
 Concen: 21.294 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	143143		
109	94.5	74.8	112.2	

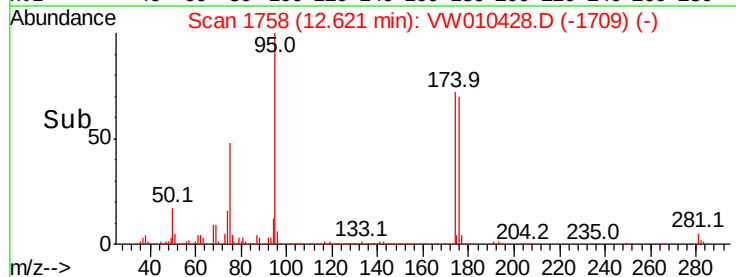
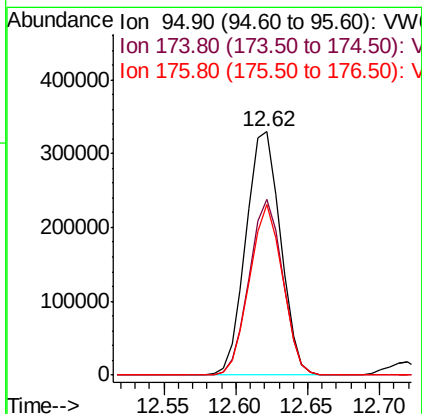
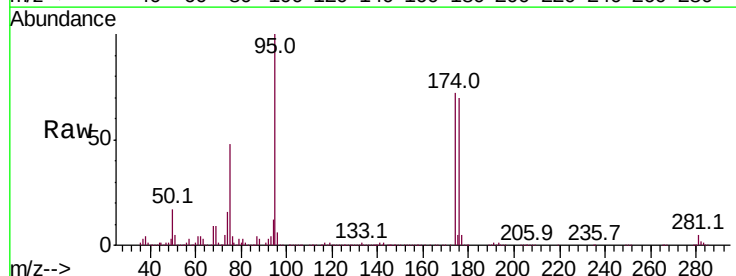
Manual Integrations
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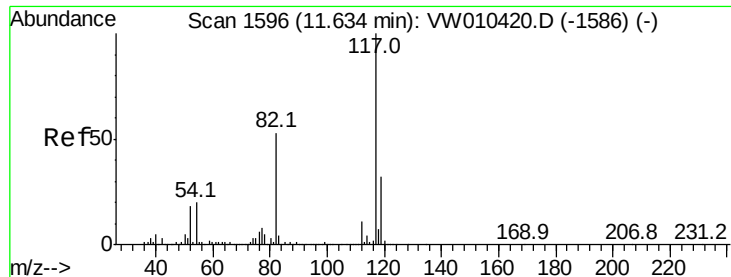
MMDadoda
 5/20/2019 12:15:24 PM



#62
 4-Bromofluorobenzene
 Concen: 48.135 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	547689		
174	69.7	0.0	146.6	
176	67.0	0.0	141.4	





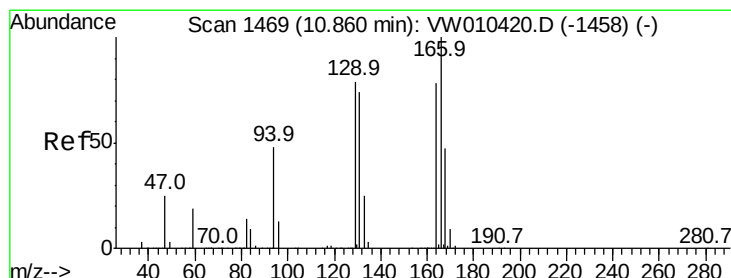
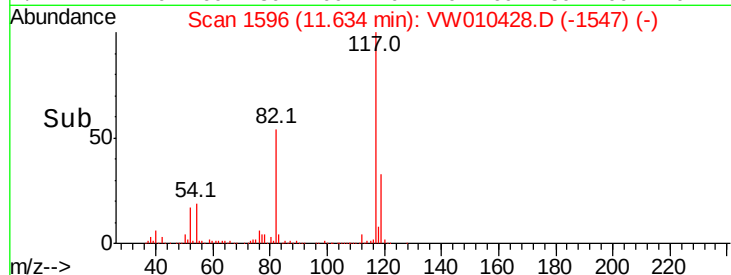
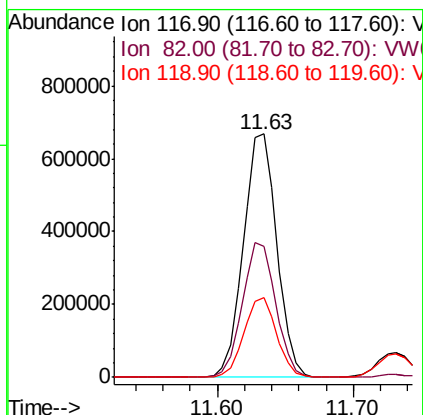
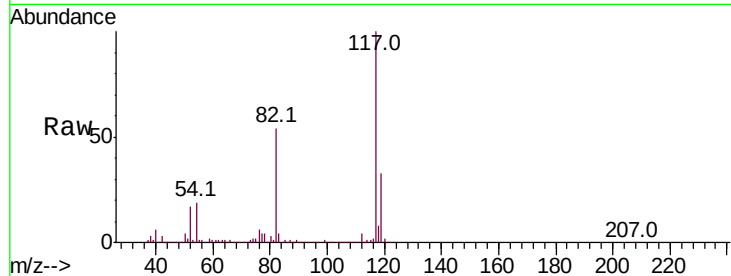
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion:117 Resp: 1149230
Ion Ratio Lower Upper
117 100
82 53.8 42.1 63.1
119 32.7 25.6 38.4

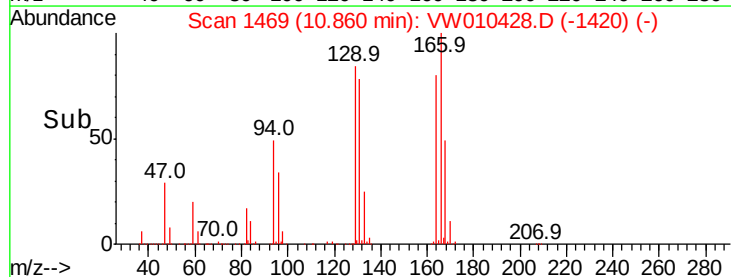
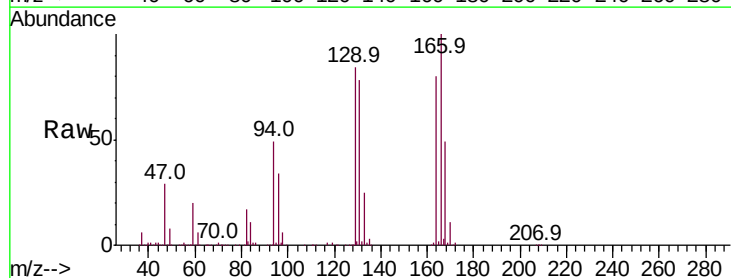
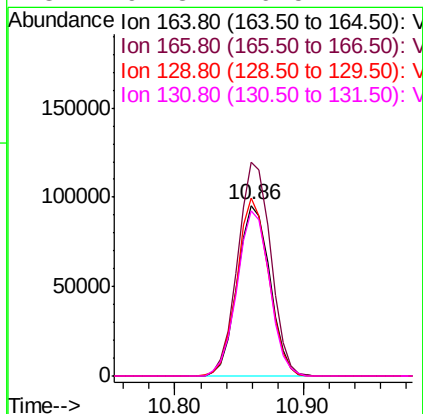
Manual Integrations
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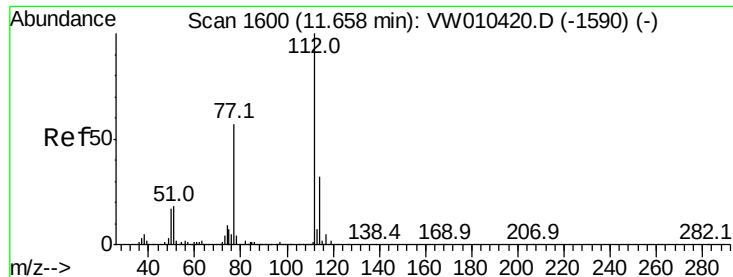
MMDadoda
5/20/2019 12:15:24 PM



#64
Tetrachloroethene
Concen: 22.045 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion:164 Resp: 166642
Ion Ratio Lower Upper
164 100
166 125.5 103.2 154.8
129 104.8 81.6 122.4
131 97.3 76.5 114.7





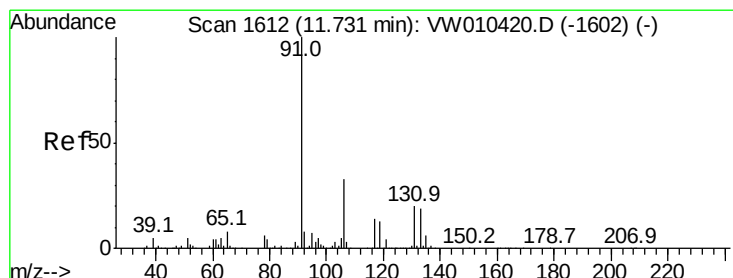
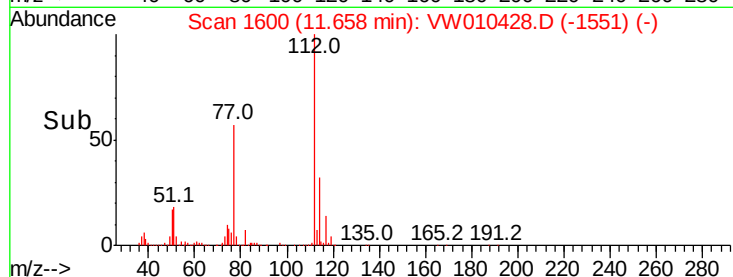
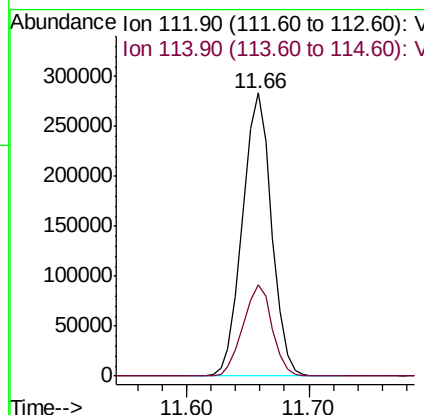
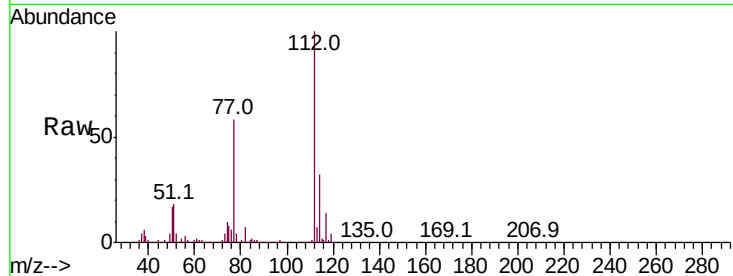
#65
Chlorobenzene
Concen: 20.002 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

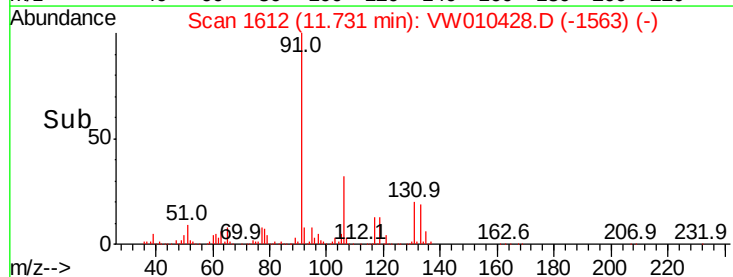
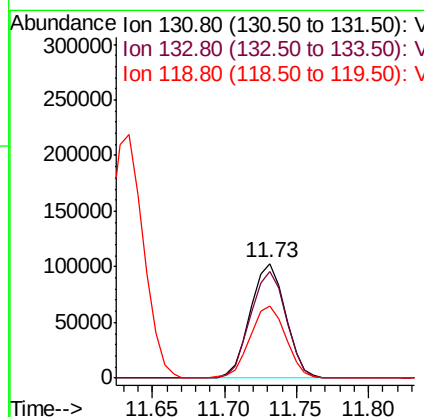
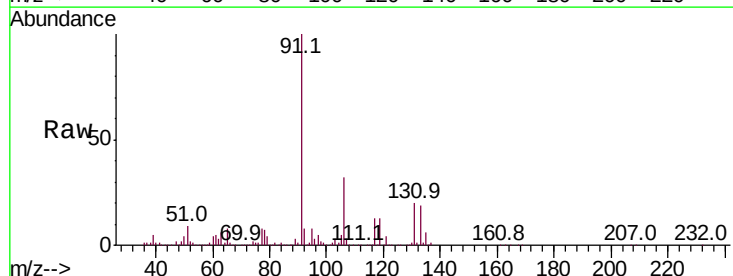
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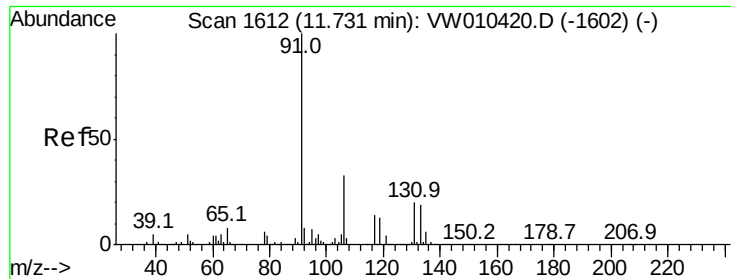
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.263 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.3	144.8
119	63.5	32.4	97.0





#67

Ethyl Benzene

Concen: 19.512 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 91 Resp: 802083

Ion Ratio Lower Upper

91 100

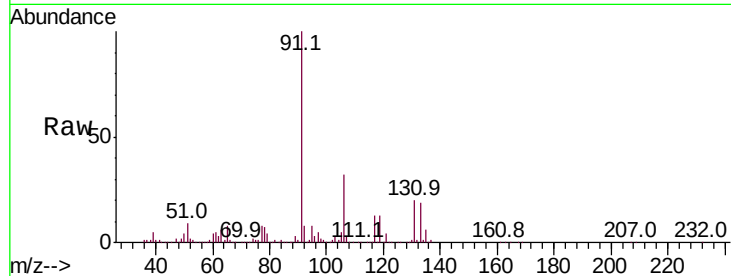
106 32.4 26.5 39.7

Manual Integrations

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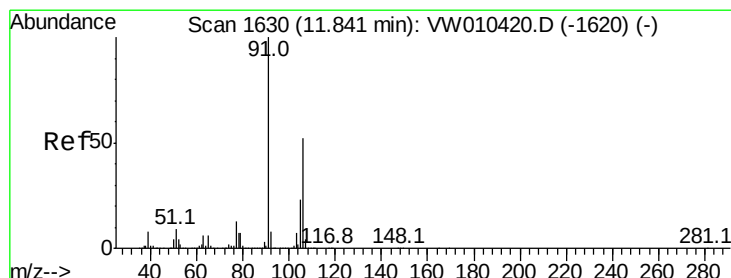
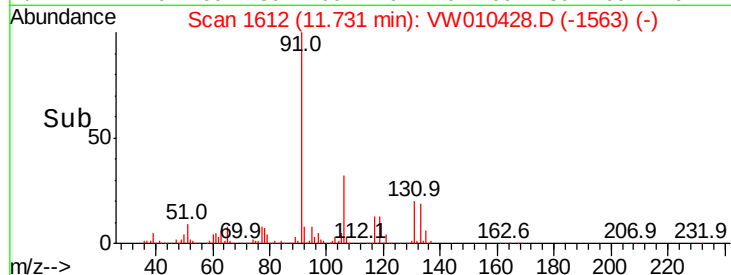
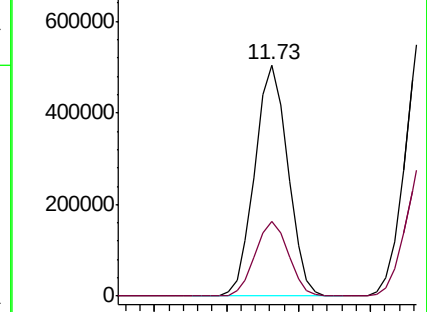
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.196 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010428.D

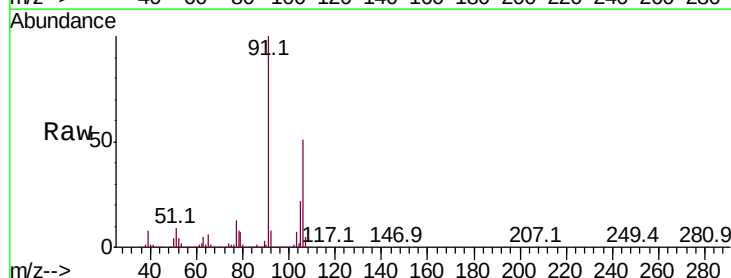
Acq: 18 May 2019 00:05

Tgt Ion: 106 Resp: 630633

Ion Ratio Lower Upper

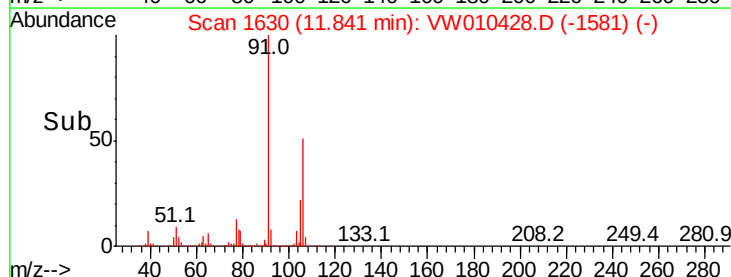
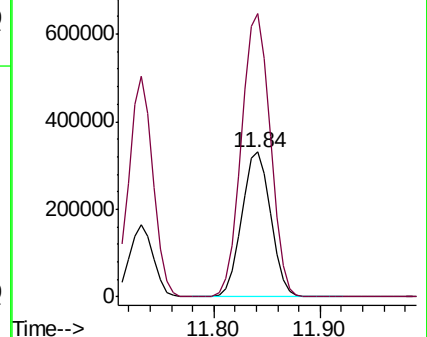
106 100

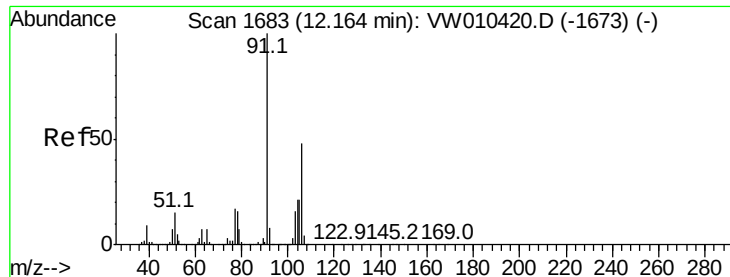
91 195.7 156.2 234.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





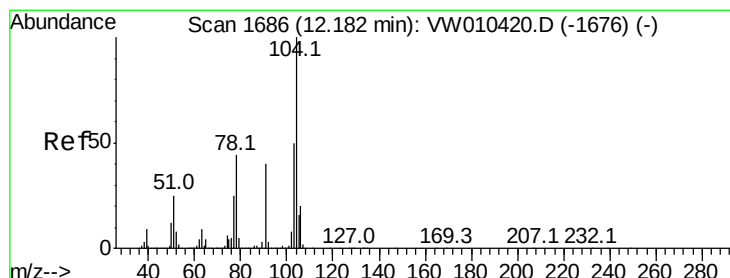
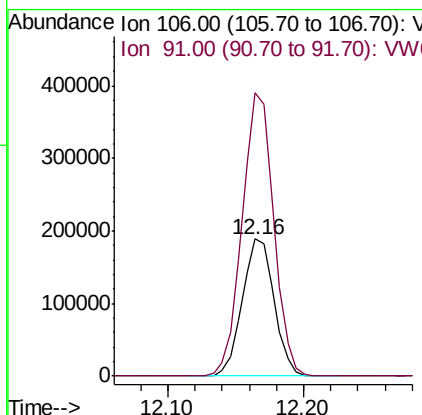
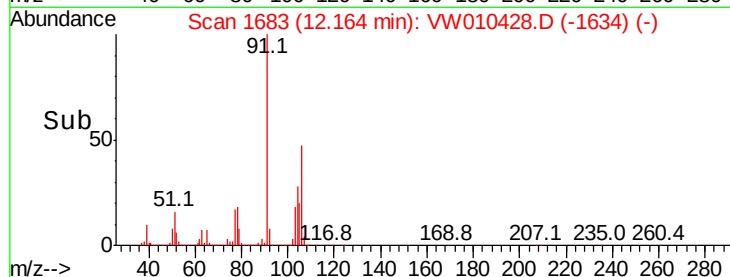
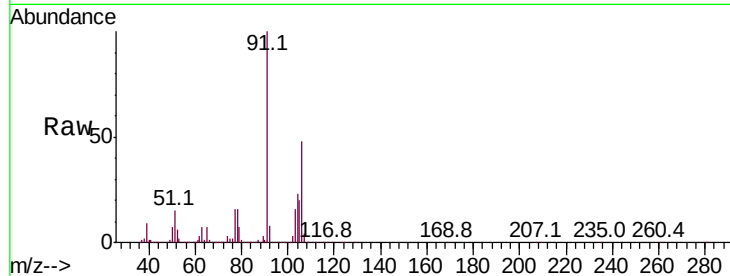
#69
o-Xylene
Concen: 20.152 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.3	102.5	307.5

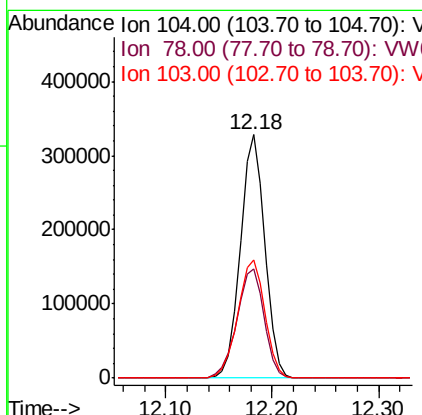
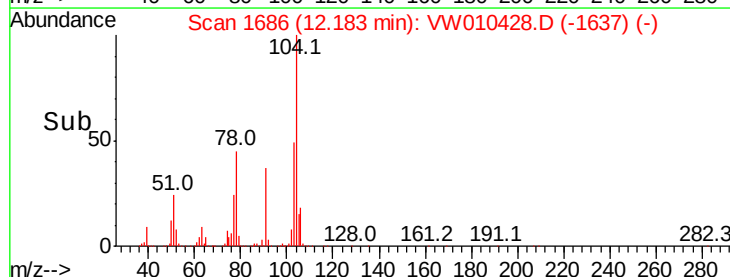
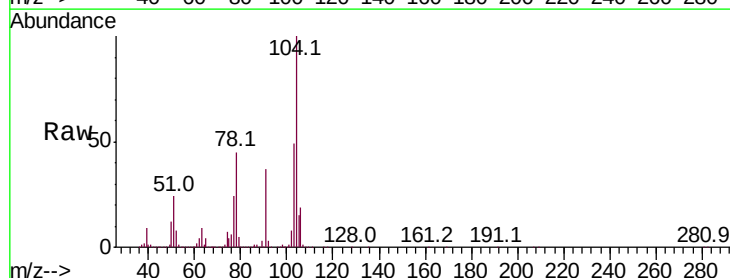
Manual Integrations
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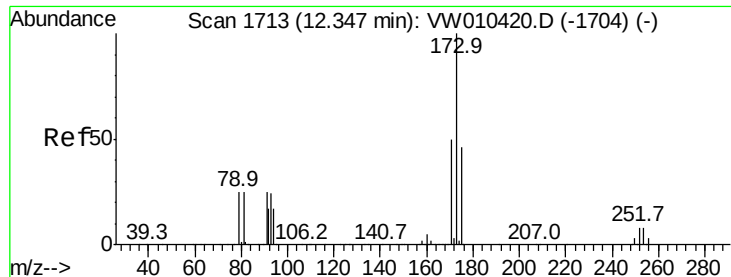
MMDadoda
5/20/2019 12:15:24 PM



#70
Styrene
Concen: 20.075 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.4	59.0
103	54.0	43.4	65.0





#71

Bromoform

Concen: 20.118 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion:173 Resp: 97687

Ion Ratio Lower Upper

173 100

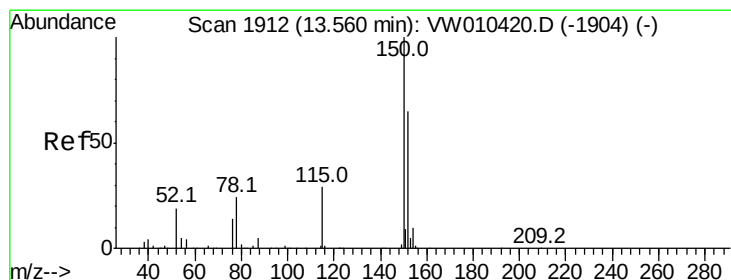
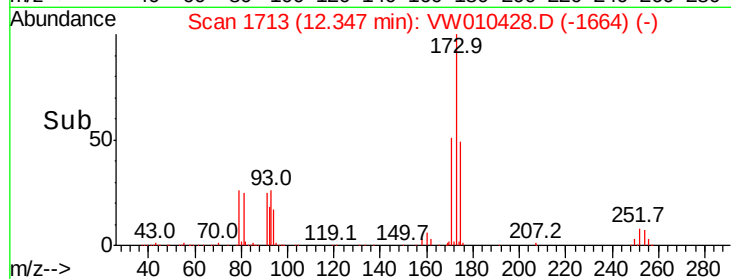
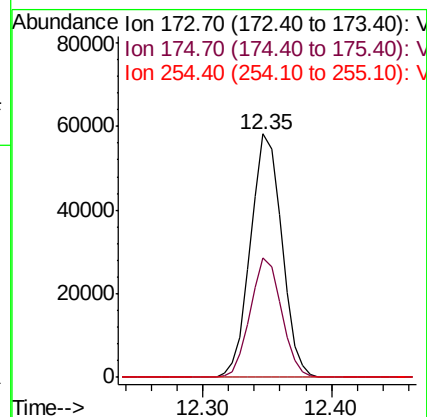
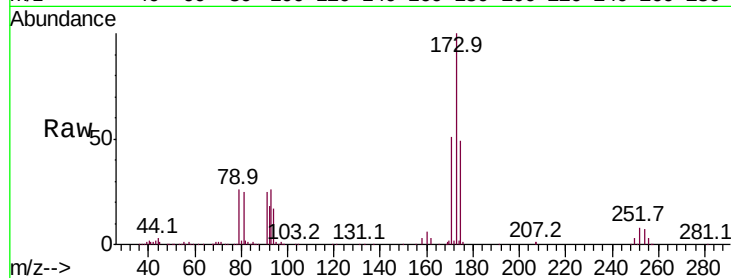
175 48.9 23.8 71.2

254 0.0 0.2 0.2#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

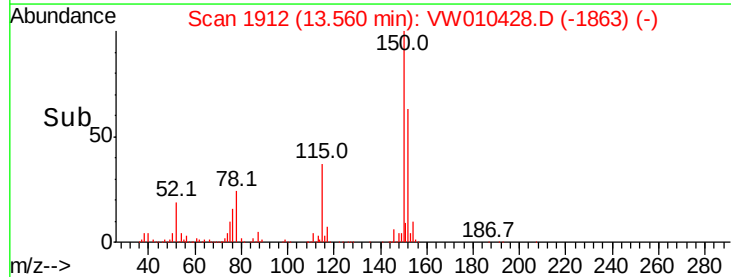
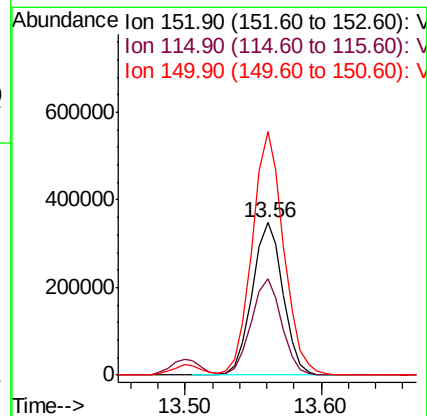
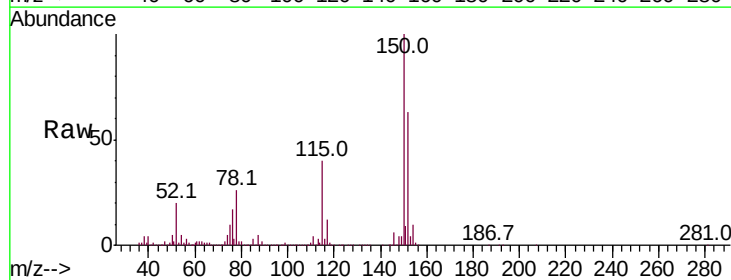
Tgt Ion:152 Resp: 553685

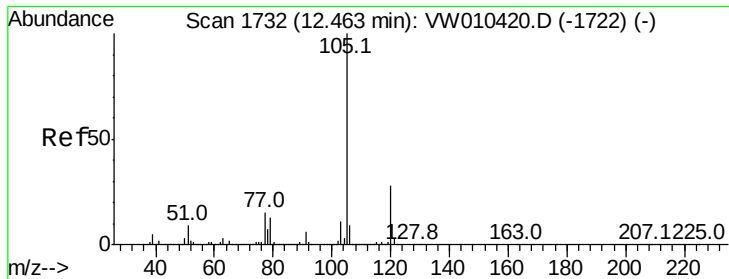
Ion Ratio Lower Upper

152 100

115 62.3 30.0 90.1

150 162.7 0.0 350.2





#73

Isopropylbenzene

Concen: 18.407 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion:105 Resp: 788067

Ion Ratio Lower Upper

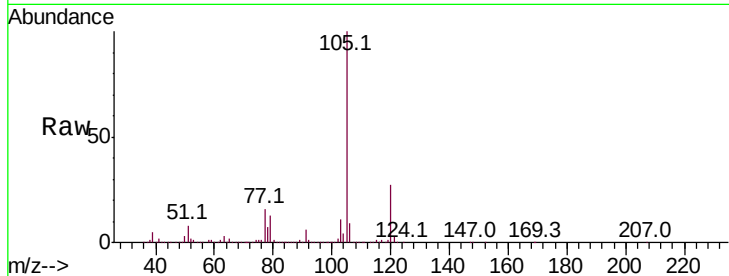
105 100

120 27.4 13.9 41.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

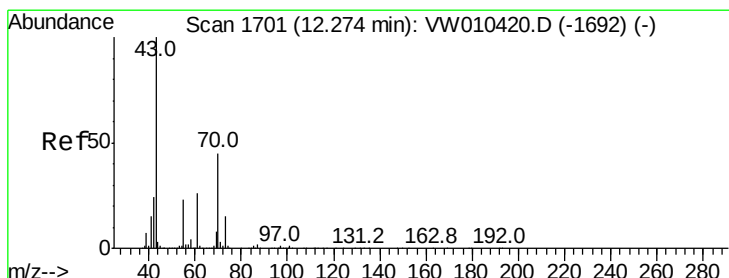
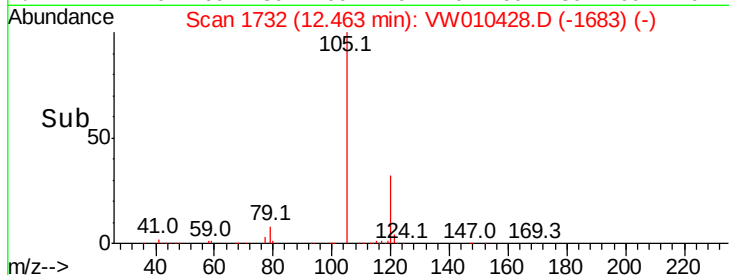
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.126 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion: 43 Resp: 209847

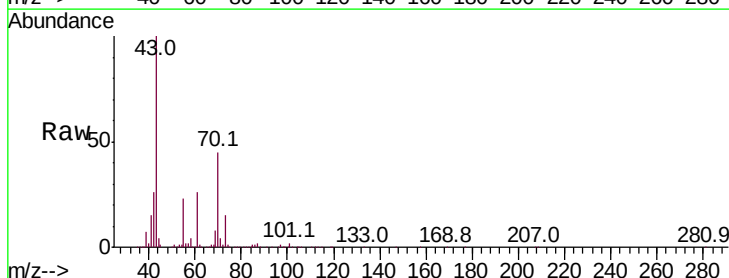
Ion Ratio Lower Upper

43 100

70 45.5 36.4 54.6

55 24.9 19.0 28.6

61 25.5 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

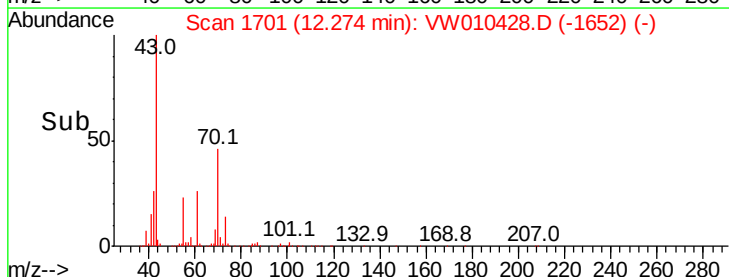
150000

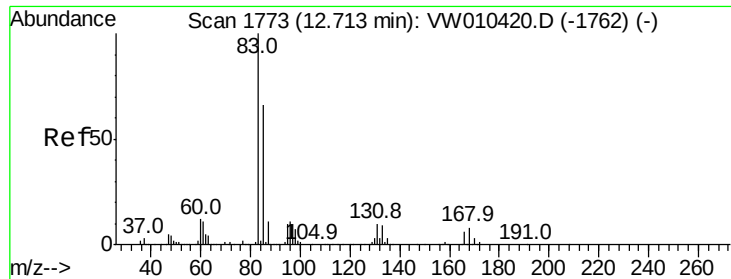
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.138 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 83 Resp: 170755
Ion Ratio Lower Upper

83 100

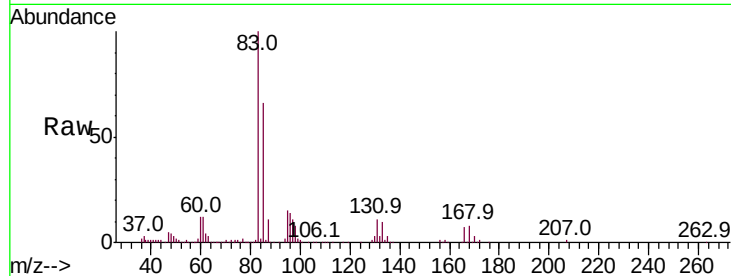
131 11.0 5.5 16.4

85 65.2 32.3 96.9

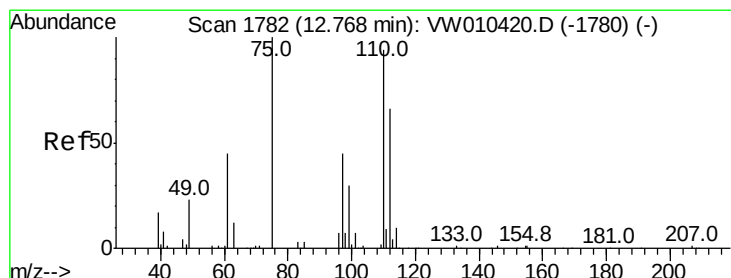
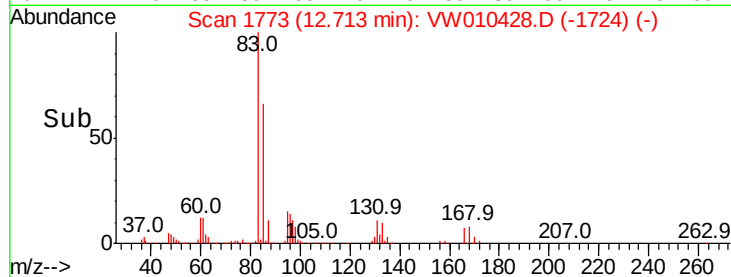
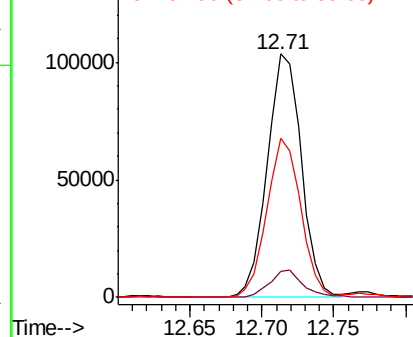
Manual Integrations
APPROVED

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5/20/2019 12:15:24 PM



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 19.828 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

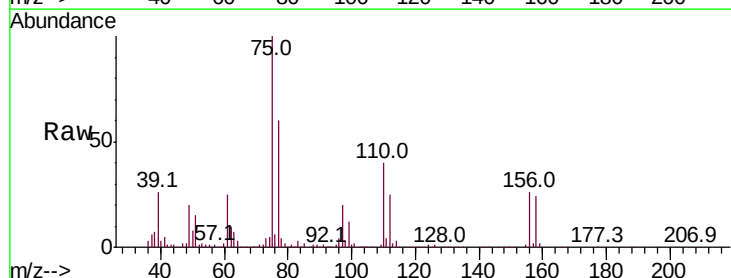
Lab File: VW010428.D

Acq: 18 May 2019 00:05

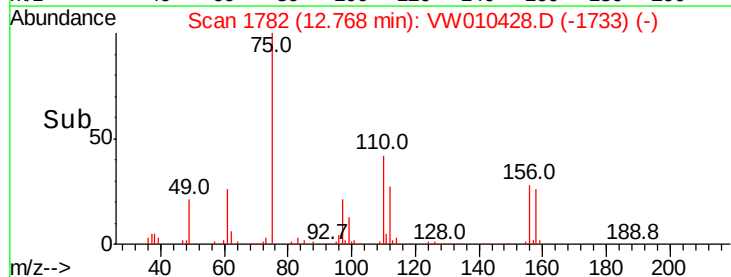
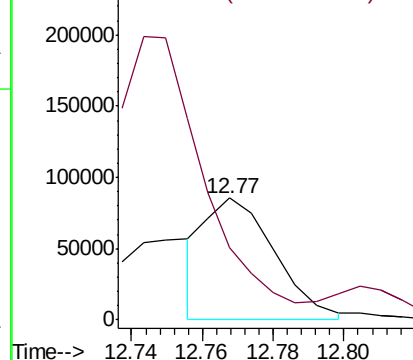
Tgt Ion: 75 Resp: 117560
Ion Ratio Lower Upper

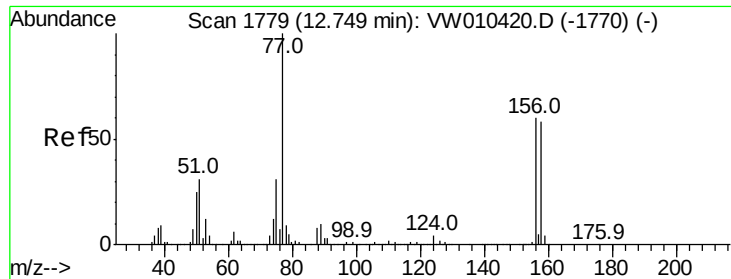
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.520 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

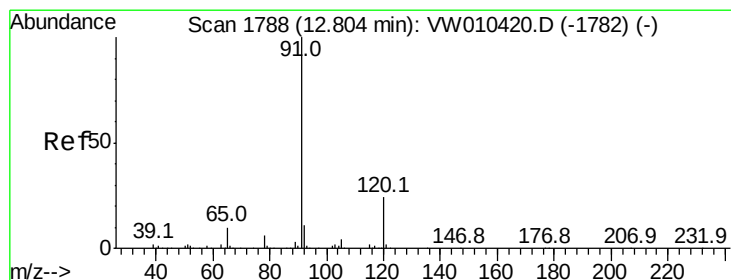
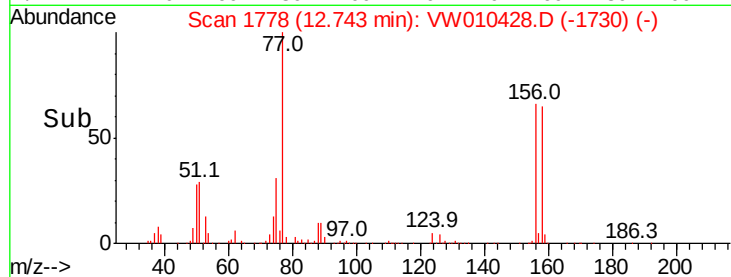
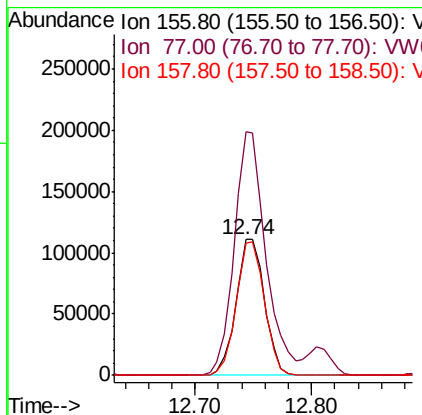
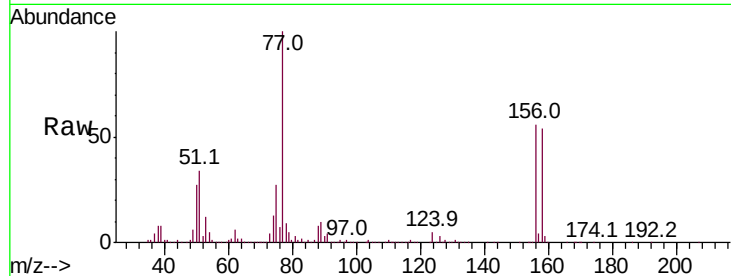
ClientSampleId :

VW0517SBS01

Tot Ion:	156	Resp:	188795
Ion Ratio	Lower	Upper	
156	100		
77	197.7	95.7	286.9
158	97.4	48.9	146.7

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#78

n-propylbenzene

Concen: 18.368 ug/l

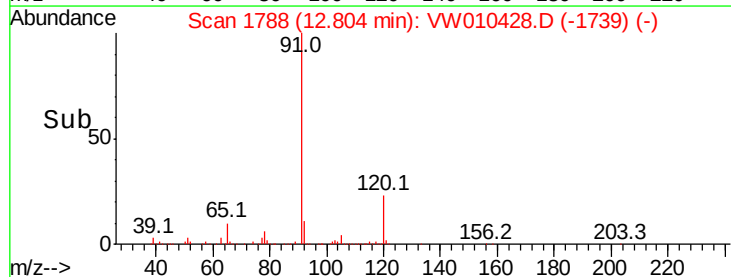
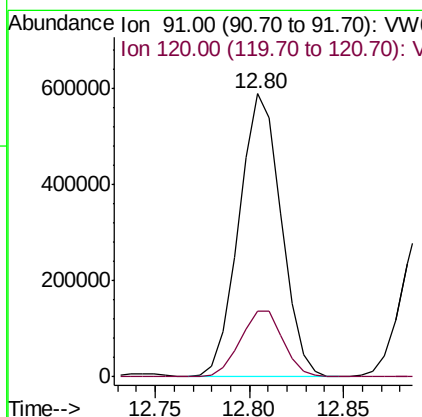
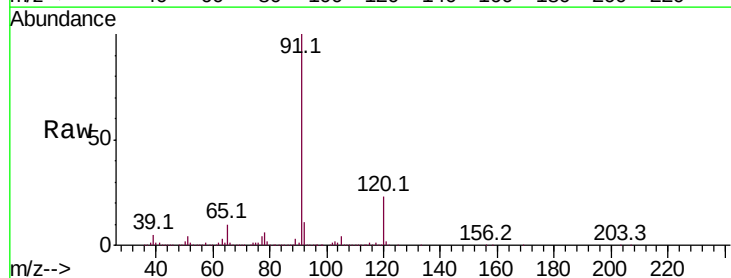
RT: 12.80 min Scan# 1788

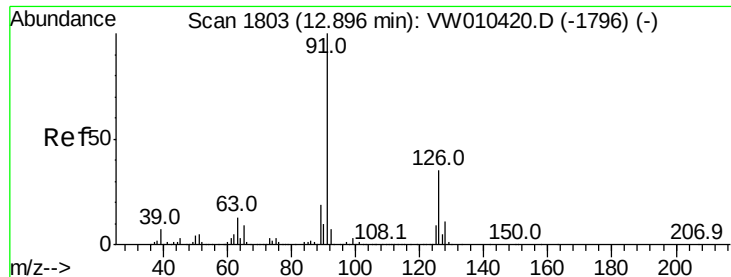
Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion:	91	Resp:	912188
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.1





#79

2-Chlorotoluene

Concen: 19.150 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 91 Resp: 555379

Ion Ratio Lower Upper

91 100

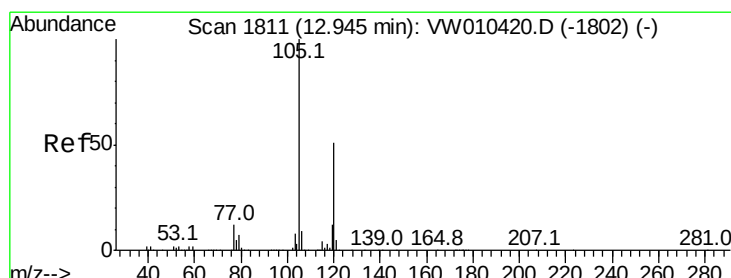
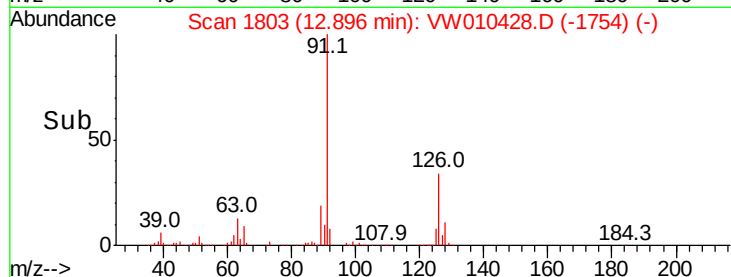
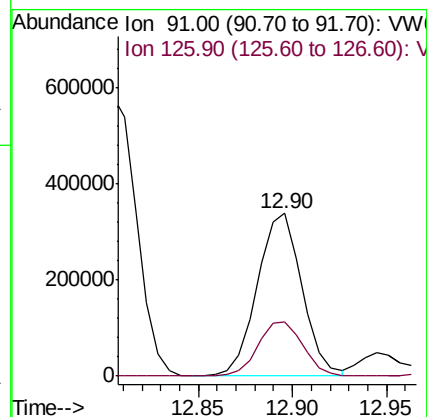
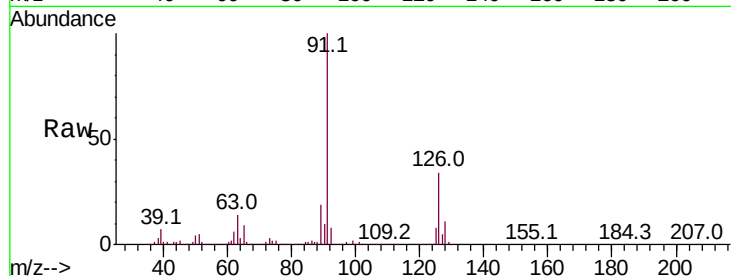
126 33.9 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.795 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010428.D

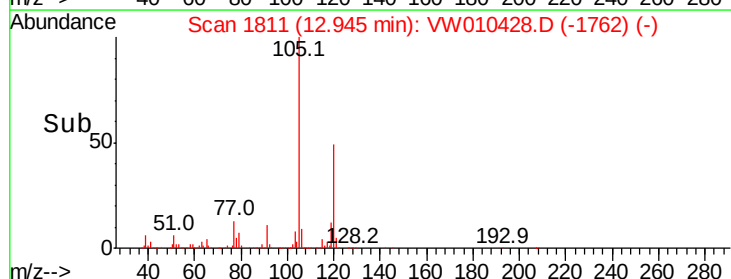
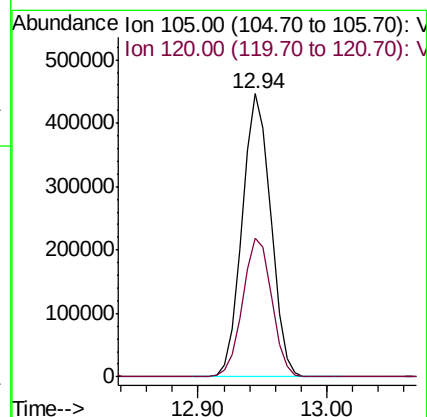
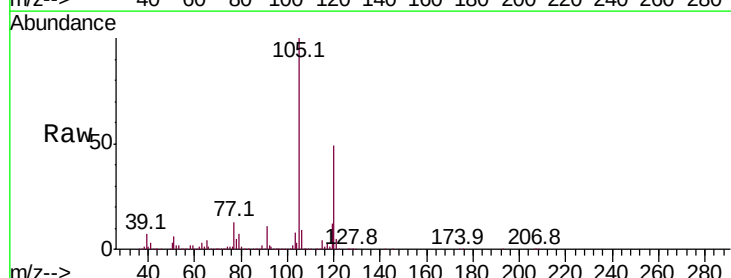
Acq: 18 May 2019 00:05

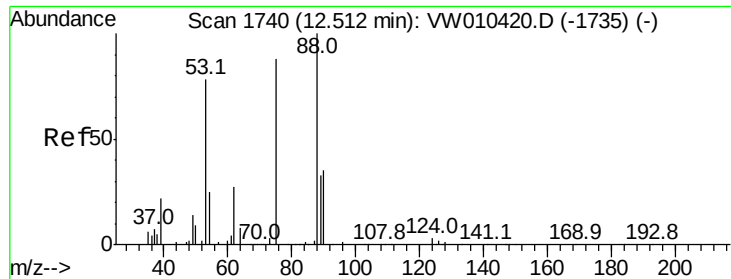
Tgt Ion: 105 Resp: 684943

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.266 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

ClientSampleId :

VW0517SBS01

Tot Ion: 75 Resp: 51876

Ion Ratio Lower Upper

75 100

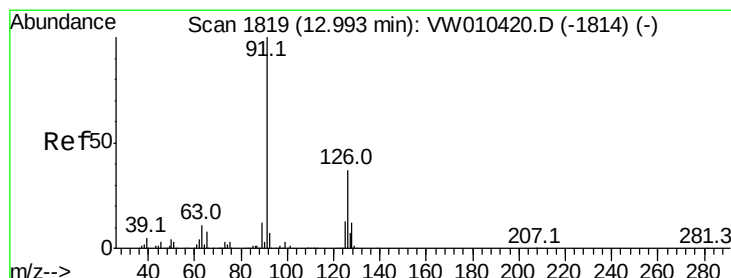
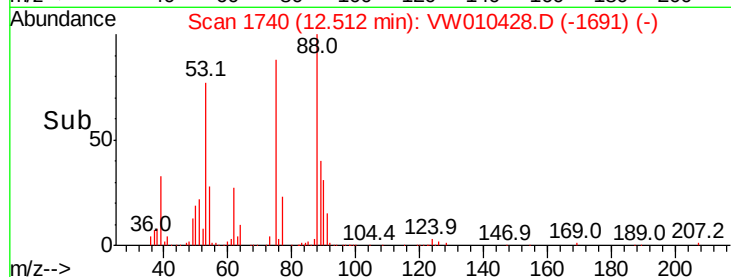
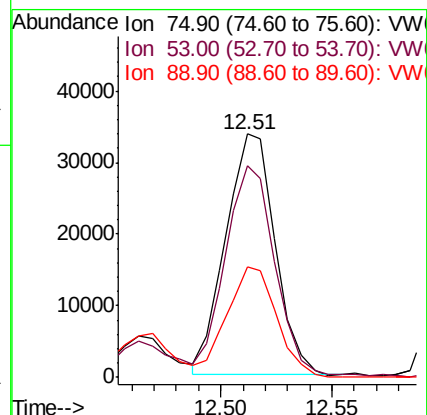
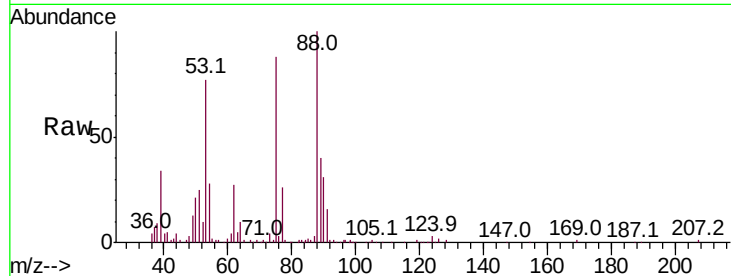
53 88.5 70.7 106.1

89 46.4 38.6 58.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.366 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010428.D

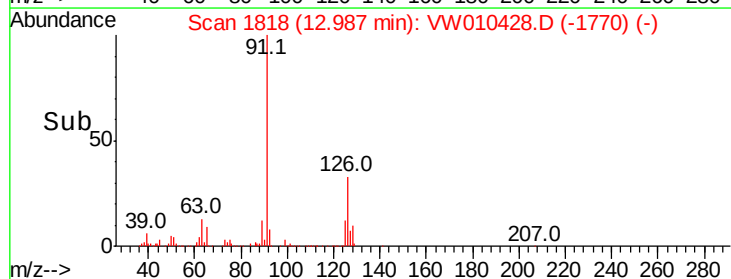
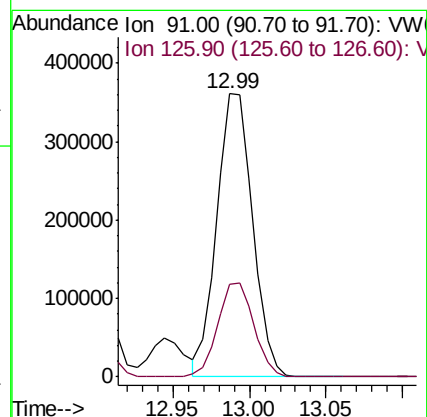
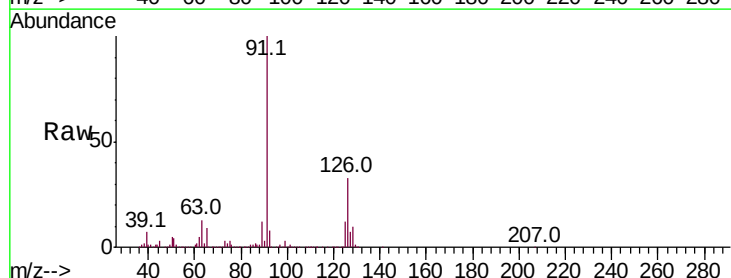
Acq: 18 May 2019 00:05

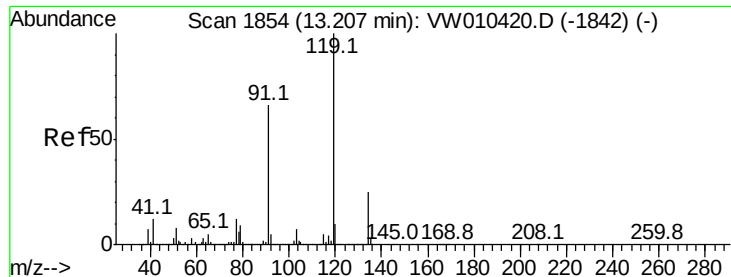
Tgt Ion: 91 Resp: 586569

Ion Ratio Lower Upper

91 100

126 33.6 17.4 52.2





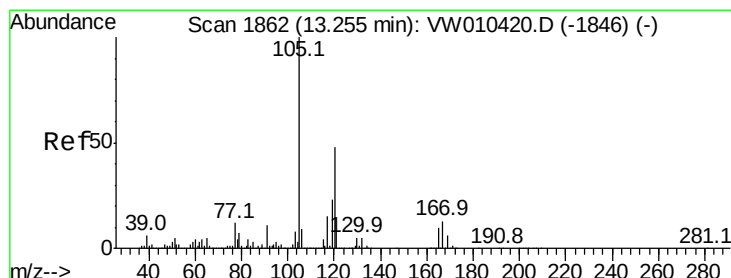
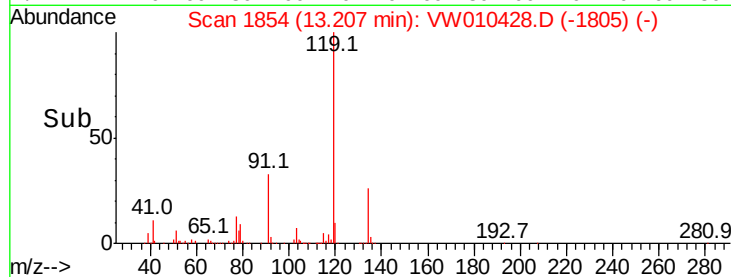
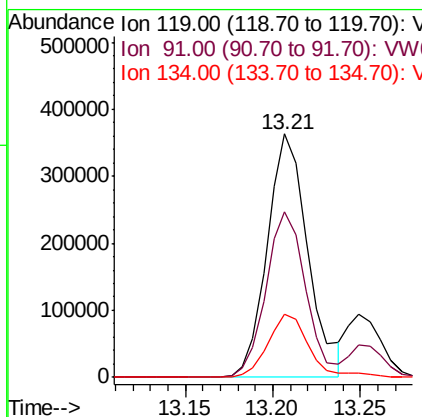
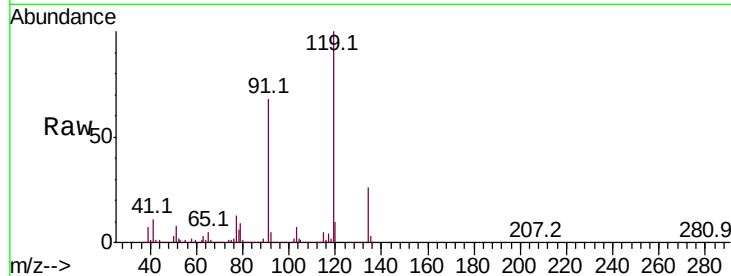
#83
 tert-Butylbenzene
 Concen: 19.117 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	589182		
91	66.5	33.5	100.5	
134	26.5	13.8	41.4	

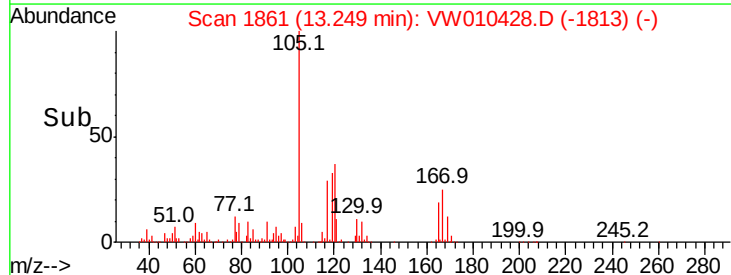
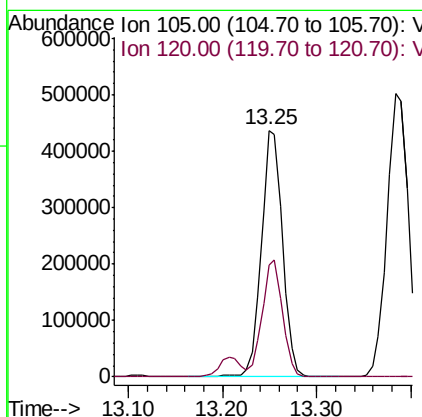
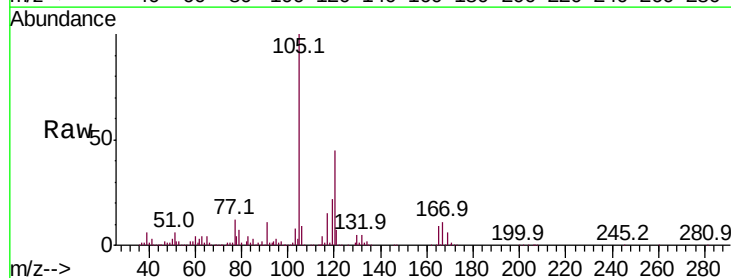
Manual Integrations
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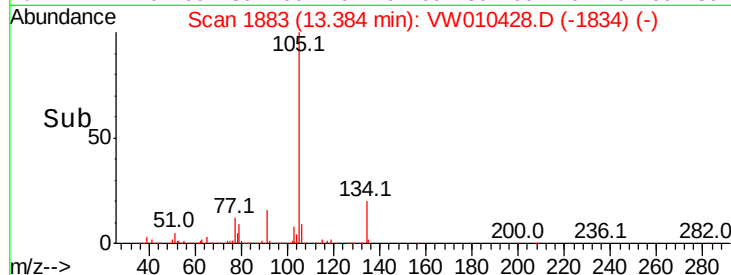
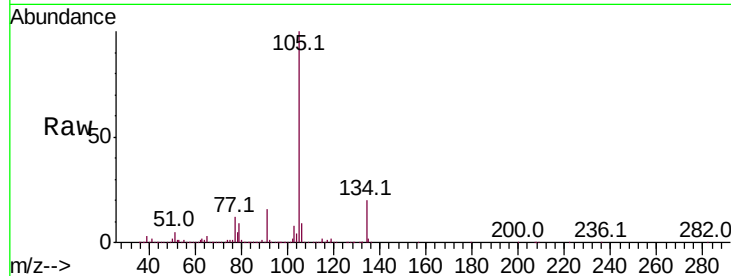
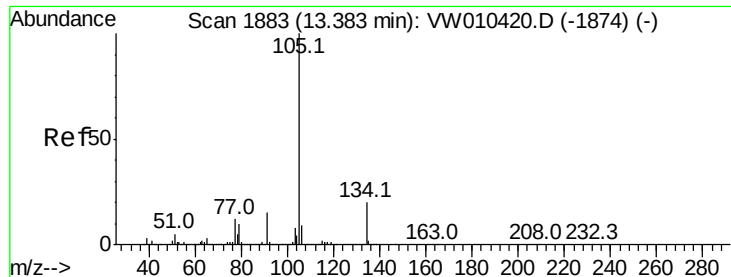
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.356 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	693974		
120	45.6	23.4	70.0	





#85

sec-Butylbenzene

Concen: 18.315 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tot Ion:105 Resp: 794830

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4

Instrument :

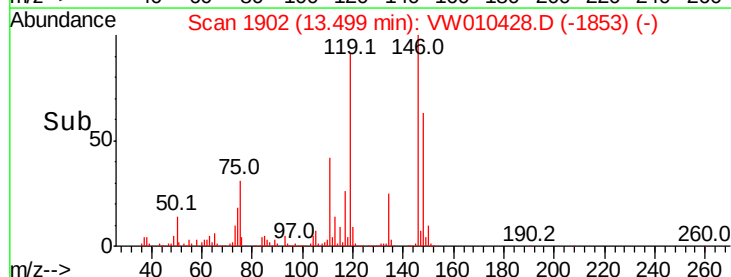
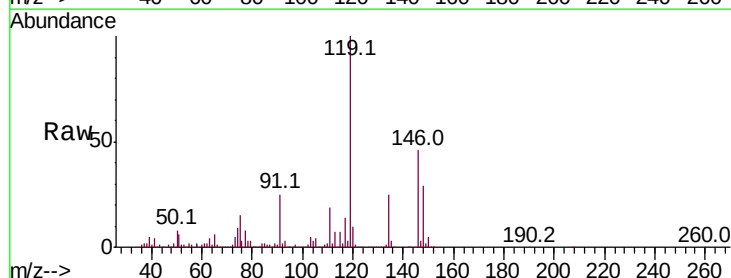
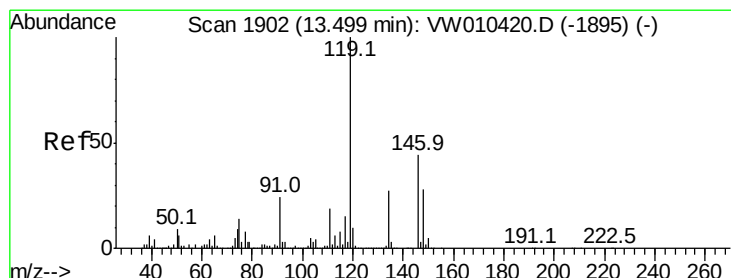
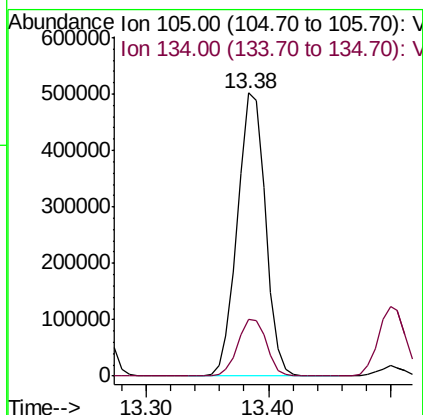
MSVOA_W

ClientSampleId :

VW0517SBS01

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.464 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

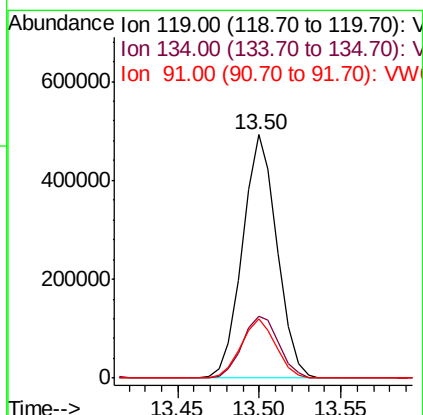
Tgt Ion:119 Resp: 723892

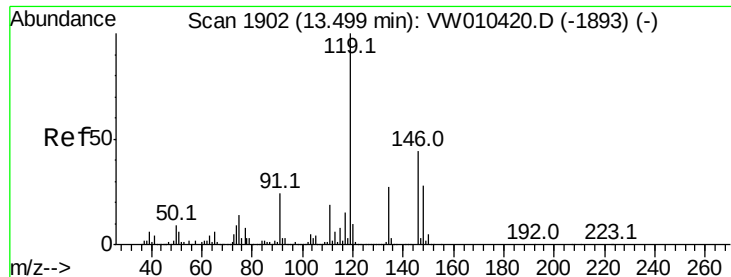
Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

91 24.4 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 19.460 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010428.D

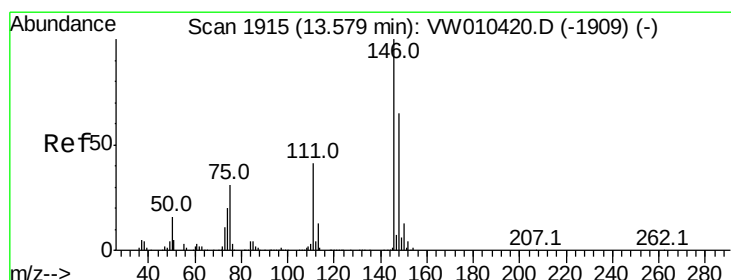
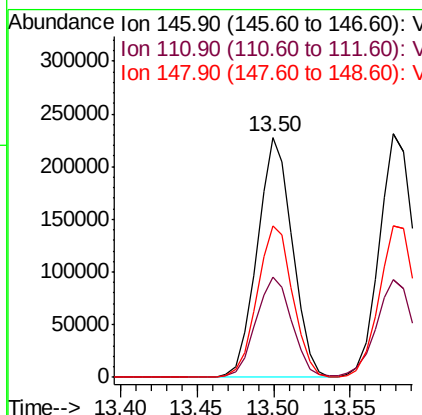
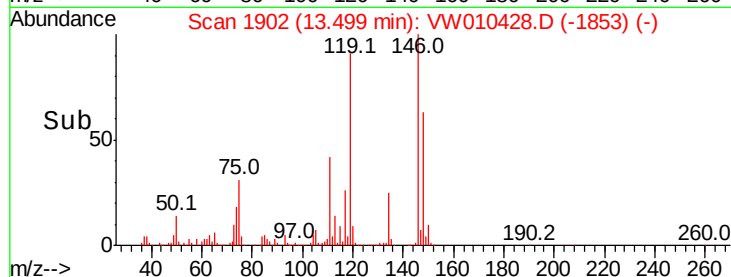
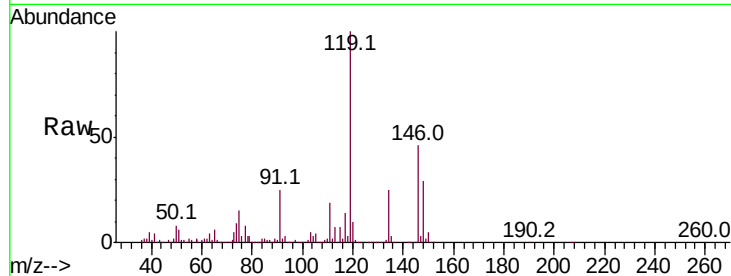
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.4
148	64.1	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 19.596 ug/l

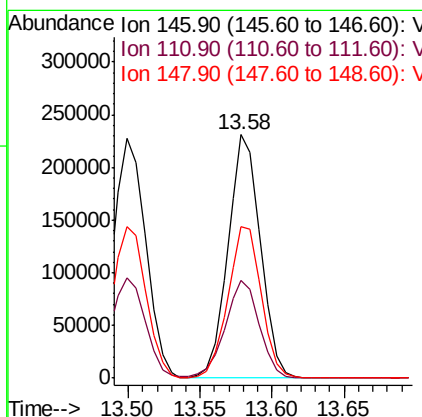
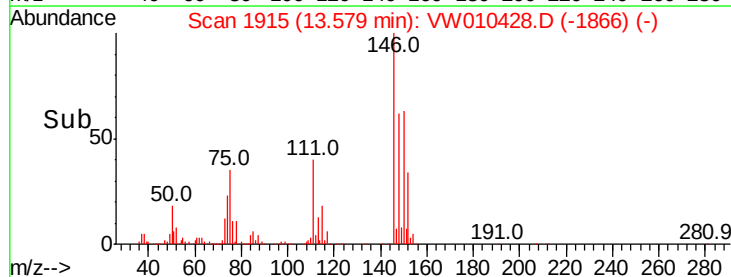
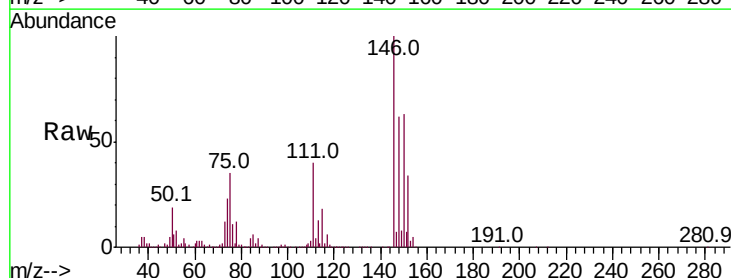
RT: 13.58 min Scan# 1915

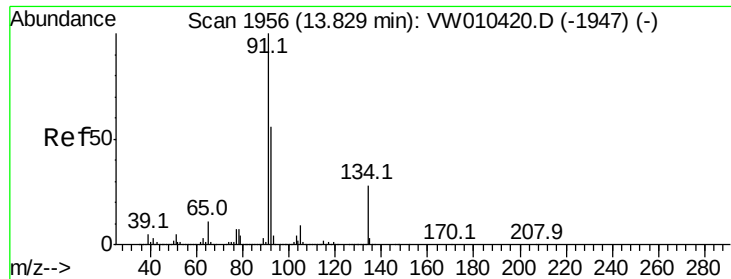
Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.4	61.3
148	64.2	32.3	96.9





#89

n-Butylbenzene

Concen: 18.051 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Instrument :

MSVOA_W

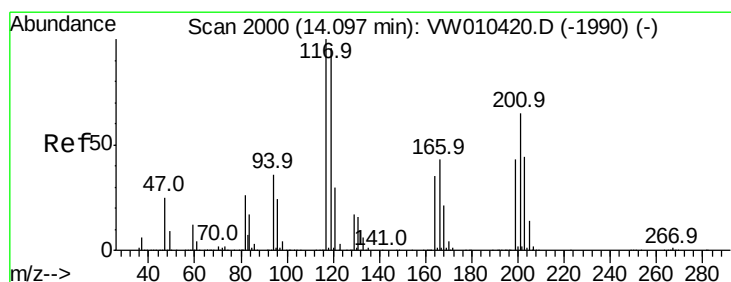
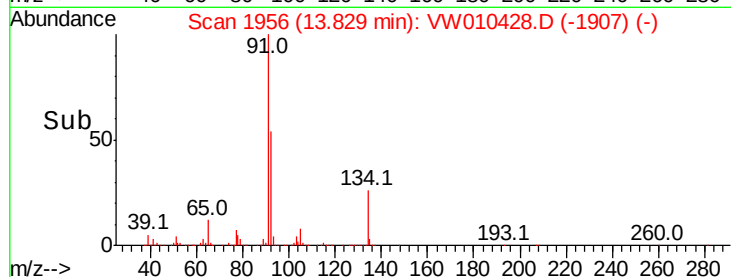
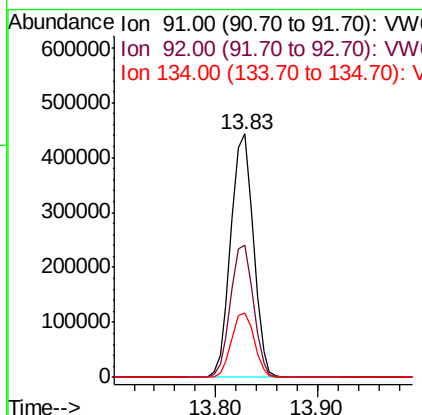
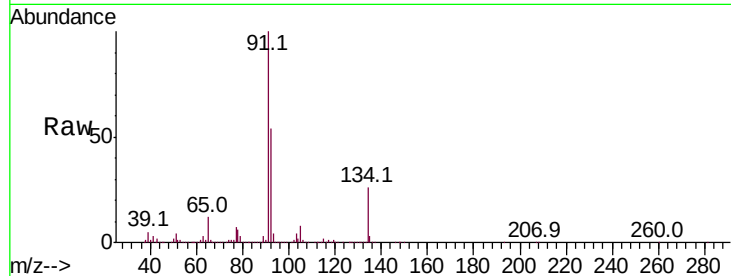
ClientSampleId :

VW0517SBS01

Tot Ion:	91	Resp:	675212
Ion Ratio	Lower	Upper	
91	100		
92	55.3	27.7	83.0
134	26.7	13.8	41.3

Manual Integrations
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#90

Hexachloroethane

Concen: 18.698 ug/l

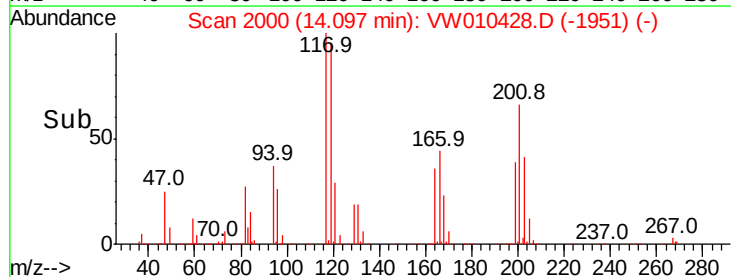
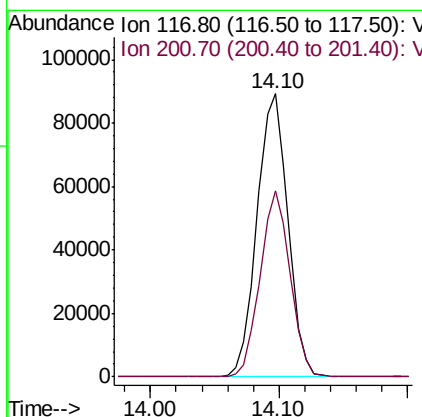
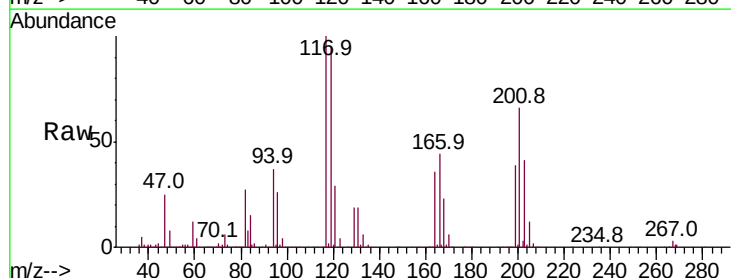
RT: 14.10 min Scan# 2000

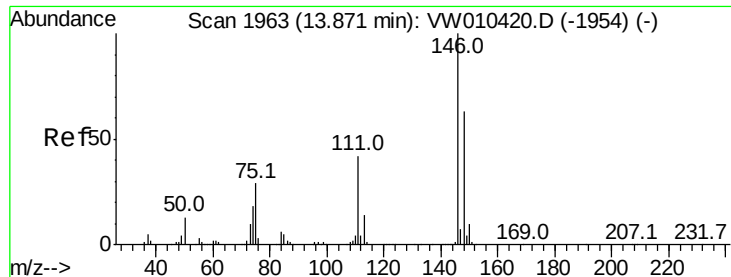
Delta R.T. 0.00 min

Lab File: VW010428.D

Acq: 18 May 2019 00:05

Tgt Ion:	117	Resp:	147463
Ion Ratio	Lower	Upper	
117	100		
201	64.0	33.8	101.4





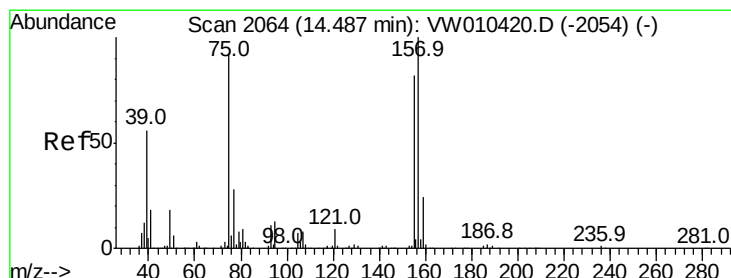
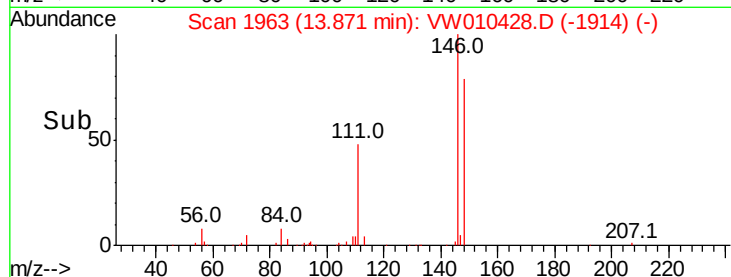
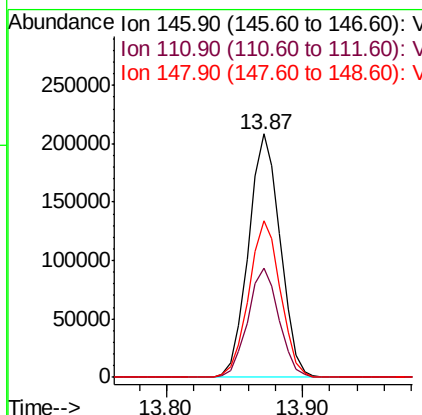
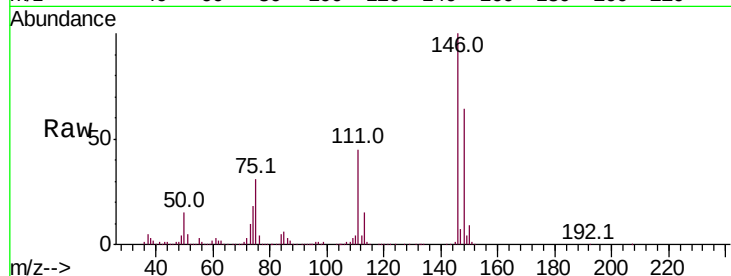
#91
 1,2-Dichlorobenzene
 Concen: 20.073 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampled :
 VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	339953		
111	44.3	21.3	63.7	
148	64.5	31.6	95.0	

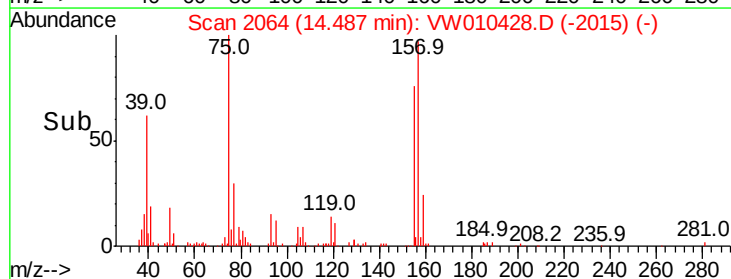
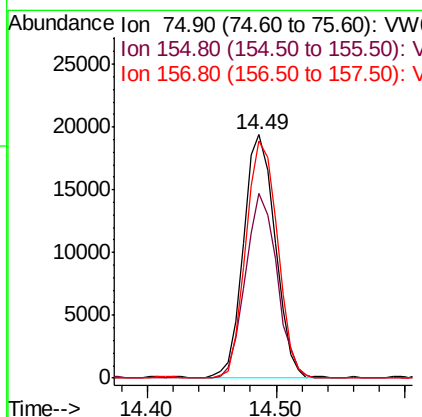
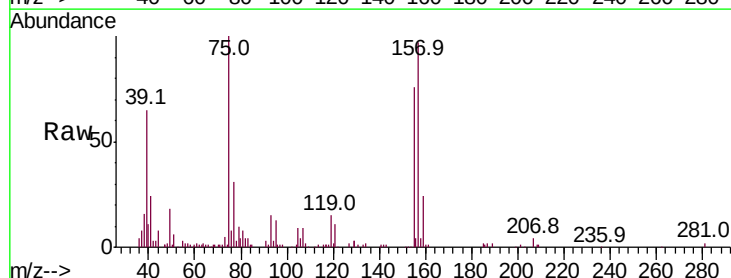
Manual Integrations
 APPROVED

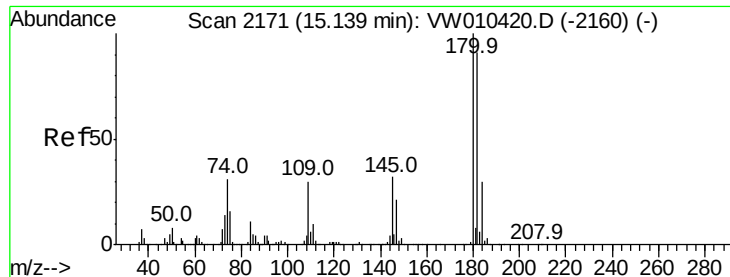
MMDadoda
 5/20/2019 12:15:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.904 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32984		
155	75.0	43.5	130.7	
157	97.0	54.8	164.4	





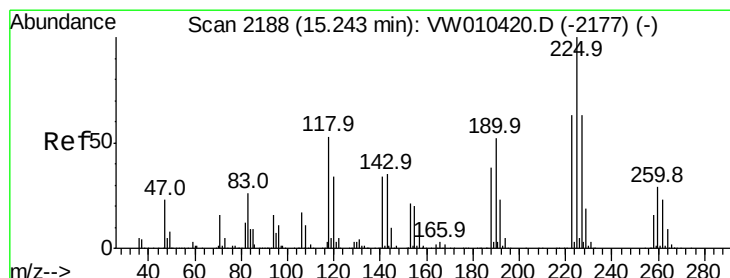
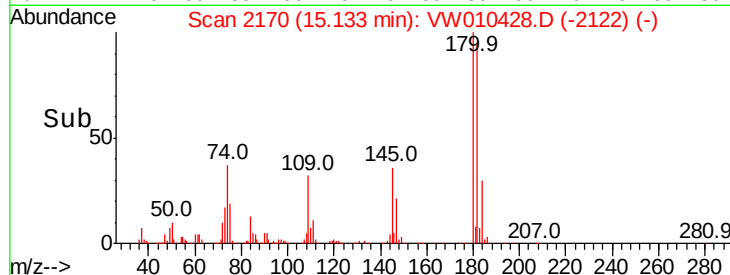
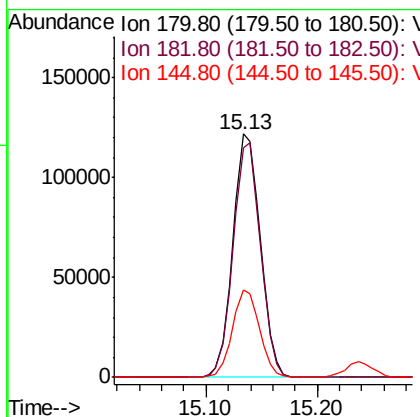
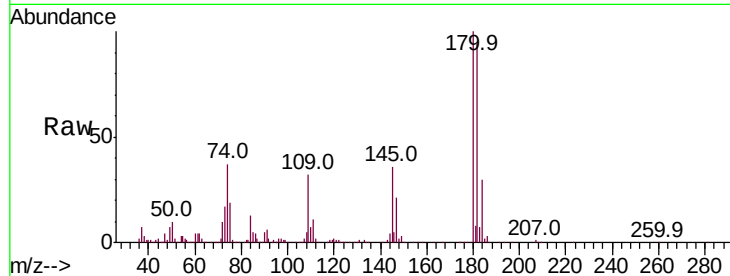
#93
 1,2,4-Trichlorobenzene
 Concen: 18.853 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.0	141.2	
145	35.4	16.6	49.7	

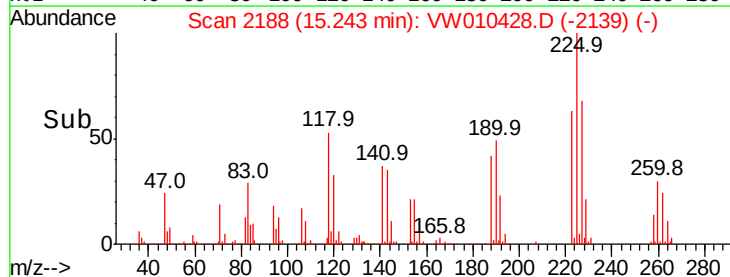
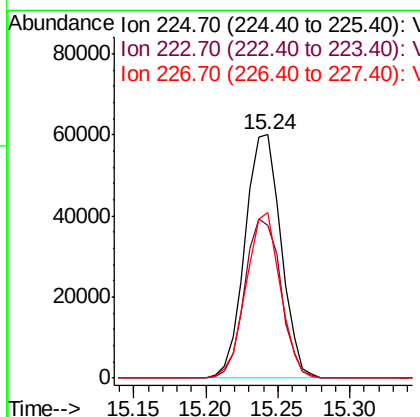
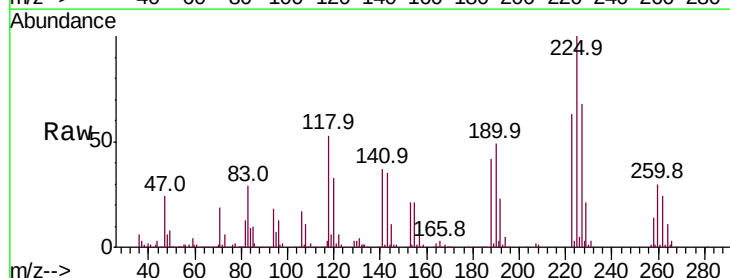
Manual Integrations
 APPROVED

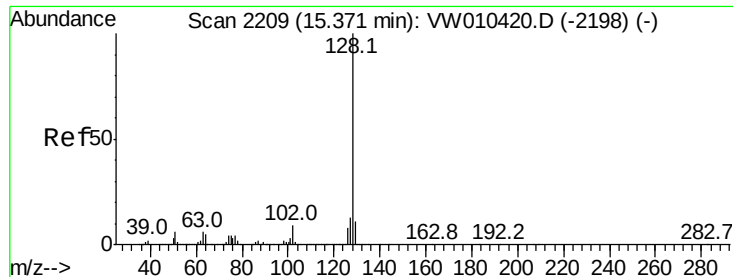
MMDadoda
 5/20/2019 12:15:24 PM



#94
 Hexachlorobutadiene
 Concen: 17.631 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010428.D
 Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.6	32.0	96.2	
227	64.7	31.4	94.0	





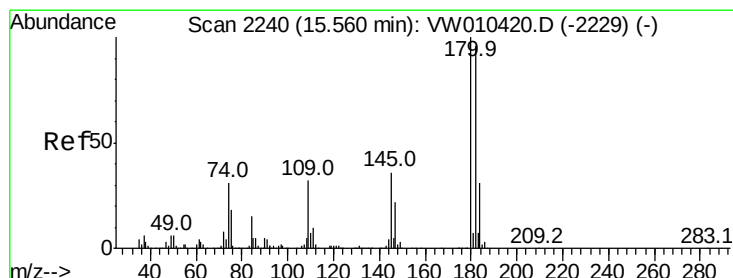
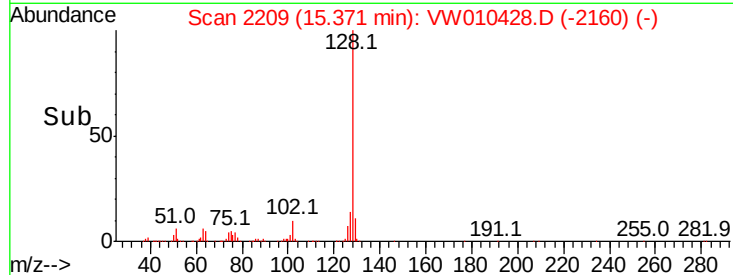
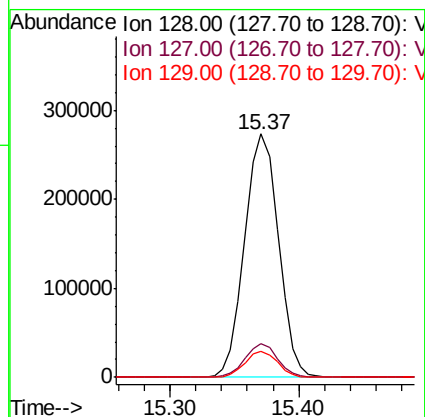
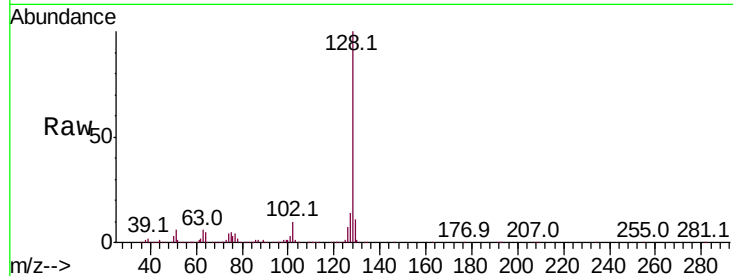
#95
Naphthalene
Concen: 19.927 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Instrument :
MSVOA_W
ClientSampleId :
VW0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	497298		
127	13.2	10.5	15.7	
129	10.5	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:15:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.166 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010428.D
Acq: 18 May 2019 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	186557		
182	95.6	47.6	142.9	
145	36.4	17.8	53.5	

