

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010032.D
 Acq On : 18 Apr 2019 01:47
 Operator : SY/VA
 Sample : VW0417SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:17 AM

Quant Time: Apr 18 04:34:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	303412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	494777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	254005	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	216226	57.75	ug/l	0.00
Spiked Amount			Recovery	=	115.50%	
35) Dibromofluoromethane	7.88	113	167637	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.32	98	629081	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	235614	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	39515	17.081	ug/l	99
3) Chloromethane	2.21	50	42476	18.360	ug/l	98
4) Vinyl Chloride	2.37	62	49005	18.223	ug/l	95
5) Bromomethane	2.78	94	35828	19.824	ug/l	99
6) Chloroethane	2.92	64	36485	20.764	ug/l	99
7) Trichlorofluoromethane	3.25	101	28717	15.445	ug/l	100
8) Diethyl Ether	3.67	74	37136	24.011	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62304	19.914	ug/l	94
10) Methyl Iodide	4.26	142	93197	21.555	ug/l	99
11) Tert butyl alcohol	5.17	59	29009	136.016	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	57000	19.003	ug/l	93
13) Acrolein	3.89	56	22304	99.405	ug/l	85
14) Allyl chloride	4.66	41	104148	19.530	ug/l	100
15) Acrylonitrile	5.36	53	98869	124.215	ug/l	100
16) Acetone	4.12	43	92901	106.937	ug/l	97
17) Carbon Disulfide	4.37	76	153199	17.839	ug/l	100
18) Methyl Acetate	4.67	43	51631	25.679	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	96586	24.791	ug/l	99
20) Methylene Chloride	4.91	84	91238	24.844	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	66333	20.422	ug/l	95
22) Diisopropyl ether	6.31	45	263138	24.326	ug/l	99
23) Vinyl Acetate	6.25	43	826942	121.441	ug/l	99
24) 1,1-Dichloroethane	6.21	63	142502	22.037	ug/l	98
25) 2-Butanone	7.17	43	148543	130.164	ug/l	98
26) 2,2-Dichloropropane	7.17	77	63317	17.698	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	78243	21.903	ug/l	98
28) Bromochloromethane	7.51	49	68489	25.917	ug/l	96
29) Tetrahydrofuran	7.52	42	96853	133.941	ug/l	98
30) Chloroform	7.67	83	147462	22.759	ug/l	98
31) Cyclohexane	7.95	56	112106	18.514	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	107026	21.041	ug/l	100
36) 1,1-Dichloropropene	8.08	75	101305	18.975	ug/l	100
37) Ethyl Acetate	7.26	43	67732	24.966	ug/l	98
38) Carbon Tetrachloride	8.07	117	97688	18.748	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010032.D
 Acq On : 18 Apr 2019 01:47
 Operator : SY/VA
 Sample : VW0417SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0417SBS02

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:39:17 AM

Quant Time: Apr 18 04:34:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	105149	16.995	ug/l	97
40) Benzene	8.32	78	305398	20.921	ug/l	98
41) Methacrylonitrile	7.48	41	38543	24.928	ug/l	98
42) 1,2-Dichloroethane	8.40	62	112346	22.394	ug/l	100
43) Isopropyl Acetate	8.42	43	123536	24.300	ug/l	98
44) Trichloroethene	9.09	130	72481	19.549	ug/l	100
45) 1,2-Dichloropropane	9.37	63	83515	21.765	ug/l	99
46) Dibromomethane	9.46	93	45769	23.014	ug/l	99
47) Bromodichloromethane	9.64	83	110307	21.487	ug/l	96
48) Methyl methacrylate	9.43	41	59202	23.923	ug/l	99
49) 1,4-Dioxane	9.45	88	16108	530.083	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	339808	127.621	ug/l	99
52) Toluene	10.38	92	186738	20.536	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	105554	20.738	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	118737	20.430	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	63643	22.928	ug/l	100
56) Ethyl methacrylate	10.65	69	78579	21.951	ug/l	99
57) 1,3-Dichloropropane	10.93	76	112132	22.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	232628	140.253	ug/l	99
59) 2-Hexanone	10.97	43	234055	126.278	ug/l	96
60) Dibromochloromethane	11.13	129	71004	22.132	ug/l	99
61) 1,2-Dibromoethane	11.23	107	60684	22.982	ug/l	99
64) Tetrachloroethene	10.86	164	71214	22.172	ug/l	98
65) Chlorobenzene	11.66	112	205620	20.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	75330	20.801	ug/l	97
67) Ethyl Benzene	11.73	91	349293	19.332	ug/l	99
68) m/p-Xylenes	11.84	106	269349	39.881	ug/l	100
69) o-Xylene	12.17	106	124523	20.249	ug/l	99
70) Styrene	12.18	104	213591	20.144	ug/l	99
71) Bromoform	12.35	173	42779	22.340	ug/l #	100
73) Isopropylbenzene	12.47	105	339209	19.188	ug/l	100
74) N-amyl acetate	12.27	43	110955	22.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	78924	22.597	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	59294m	23.324	ug/l	
77) Bromobenzene	12.75	156	85636	21.063	ug/l	99
78) n-propylbenzene	12.80	91	426651	19.473	ug/l	99
79) 2-Chlorotoluene	12.89	91	254219	20.175	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	296321	19.769	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	21905	20.317	ug/l	98
82) 4-Chlorotoluene	12.99	91	268128	20.218	ug/l	100
83) tert-Butylbenzene	13.21	119	240919	19.409	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	306904	20.195	ug/l	100
85) sec-Butylbenzene	13.38	105	355900	19.187	ug/l	99
86) p-Isopropyltoluene	13.50	119	310877	19.015	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	167715	20.406	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	167188	20.380	ug/l	97
89) n-Butylbenzene	13.83	91	295575	18.248	ug/l	99
90) Hexachloroethane	14.10	117	60354	19.274	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	155025	21.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15005	24.007	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
Data File : VW010032.D
Acq On : 18 Apr 2019 01:47
Operator : SY/VA
Sample : VW0417SBS02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM

Quant Time: Apr 18 04:34:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	94976	19.536	ug/l	97
94) Hexachlorobutadiene	15.24	225	55314	18.736	ug/l	99
95) Naphthalene	15.37	128	195325	21.808	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	89773	21.284	ug/l	100

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

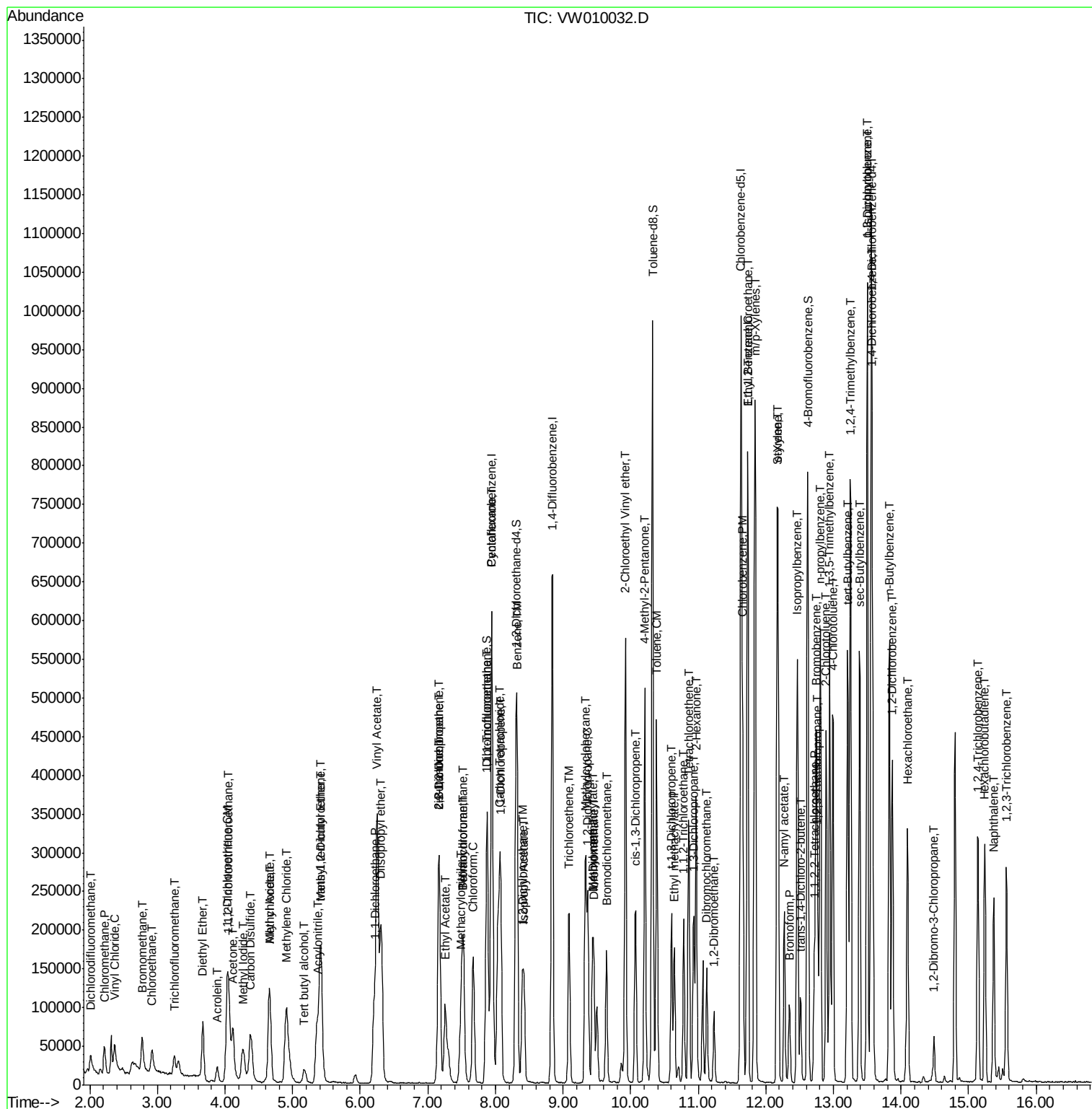
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041719\
Data File : VW010032.D
Acq On : 18 Apr 2019 01:47
Operator : SY/VA
Sample : VW0417SBS02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 31 Sample Multiplier: 1

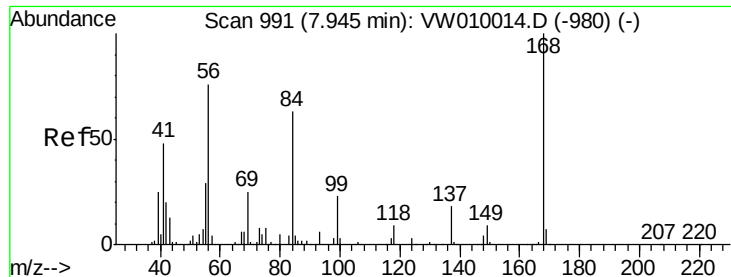
Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM

Quant Time: Apr 18 04:34:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
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: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion:168 Resp: 303412

Ion Ratio Lower Upper

168 100

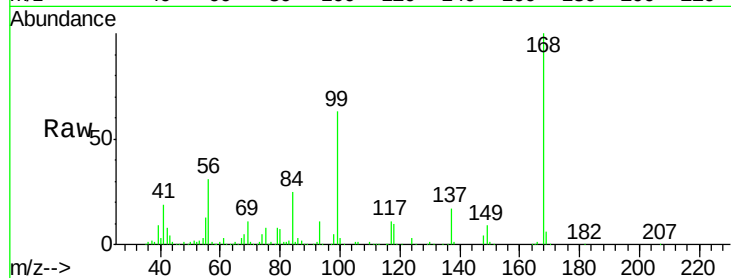
99 63.0 48.4 72.6

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:39:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

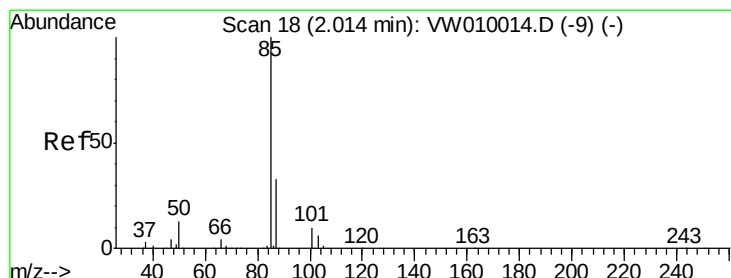
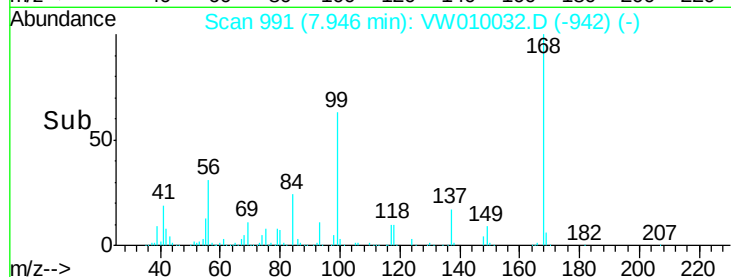
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.081 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010032.D

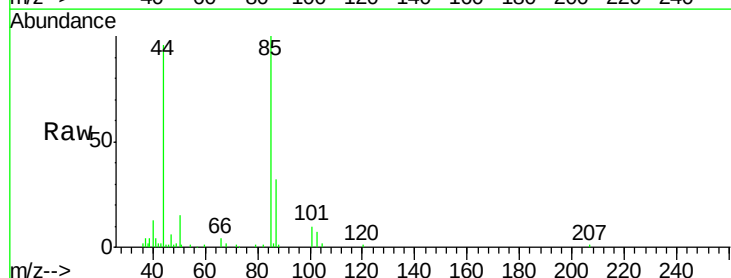
Acq: 18 Apr 2019 01:47

Tgt Ion: 85 Resp: 39515

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

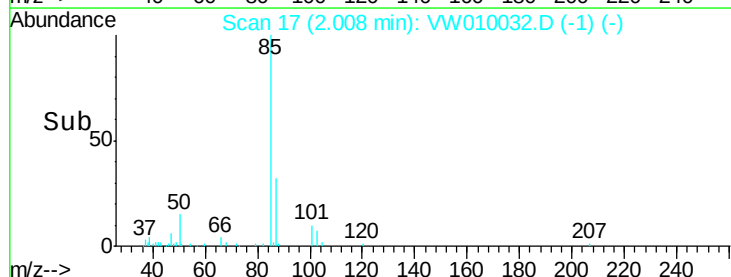
2.01

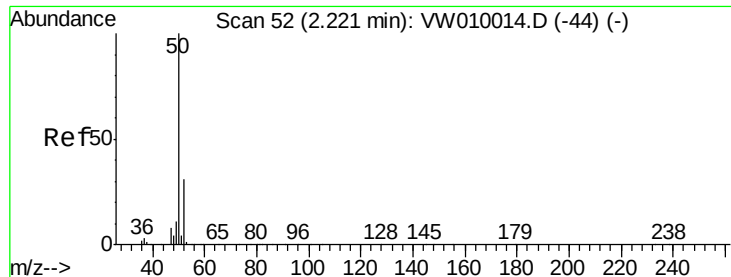
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.360 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 50 Resp: 42476

Ion Ratio Lower Upper

50 100

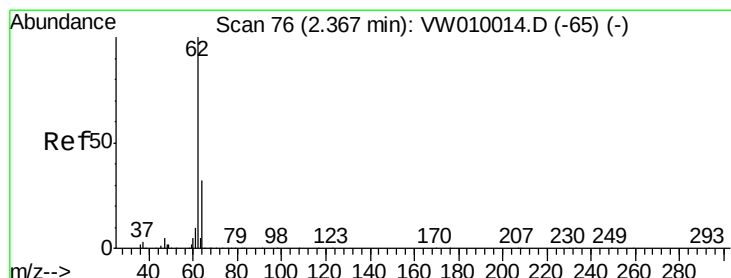
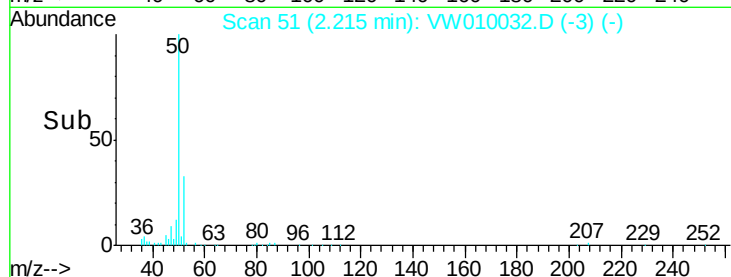
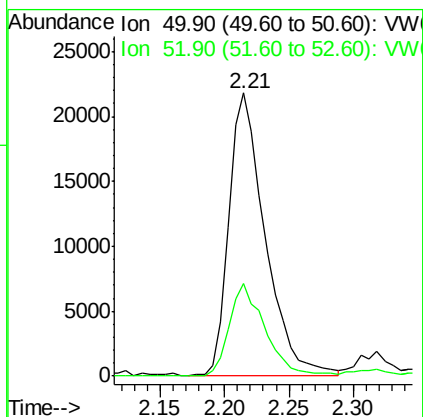
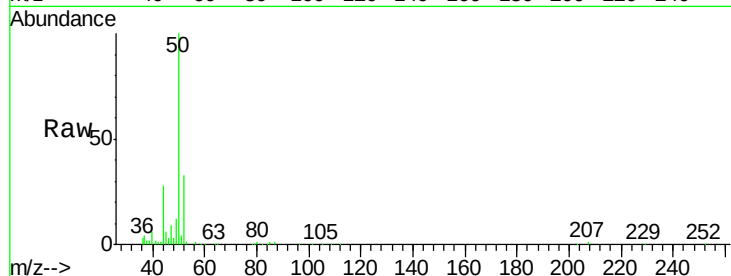
52 32.5 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:39:17 AM



#4

Vinyl Chloride

Concen: 18.223 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010032.D

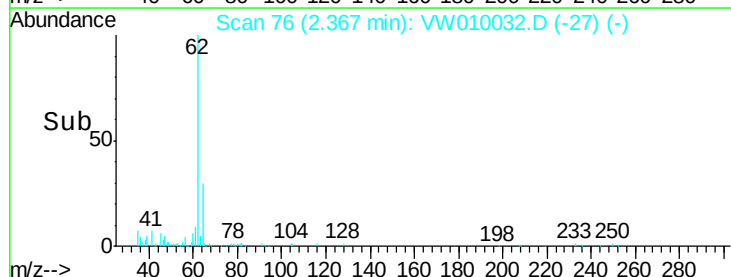
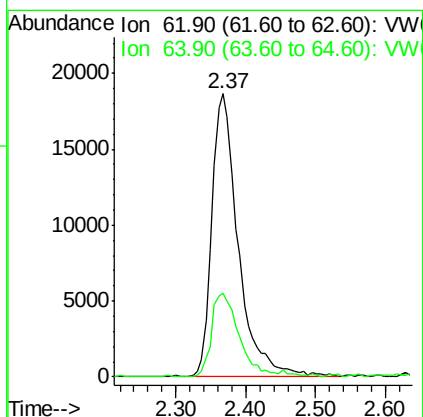
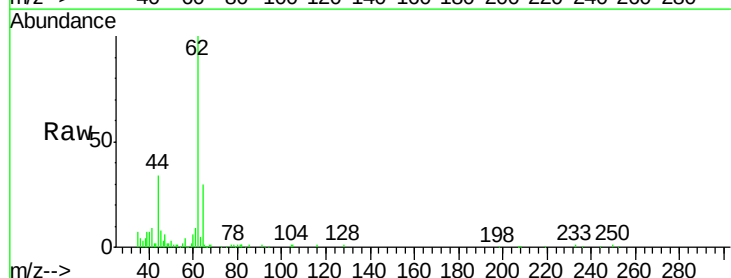
Acq: 18 Apr 2019 01:47

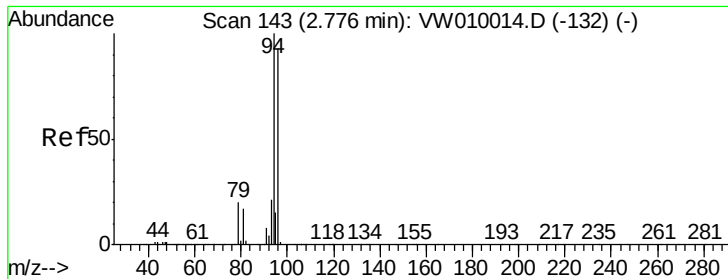
Tgt Ion: 62 Resp: 49005

Ion Ratio Lower Upper

62 100

64 29.6 25.9 38.9





#5

Bromomethane

Concen: 19.824 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 94 Resp: 35828

Ion Ratio Lower Upper

94 100

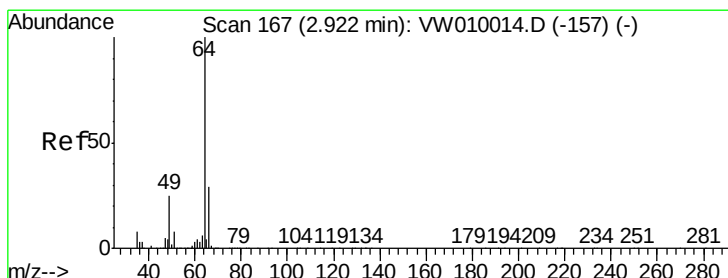
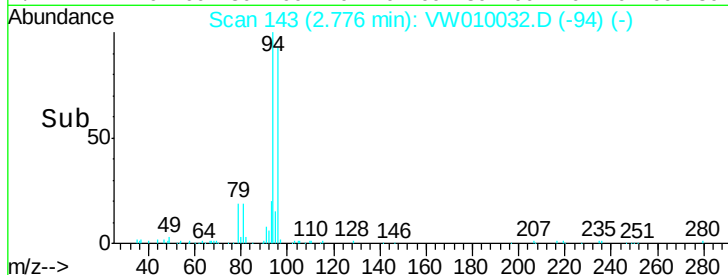
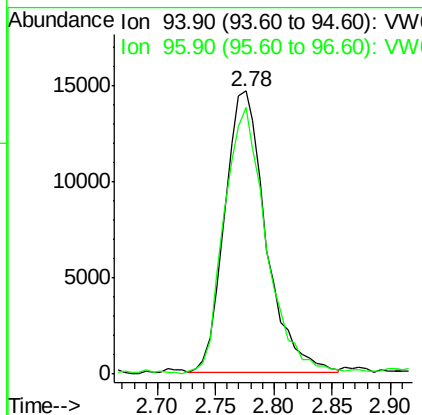
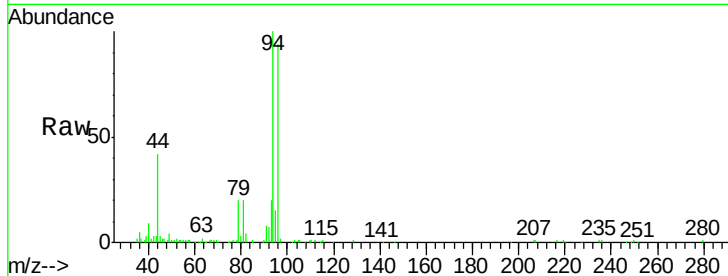
96 94.0 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:39:17 AM



#6

Chloroethane

Concen: 20.764 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010032.D

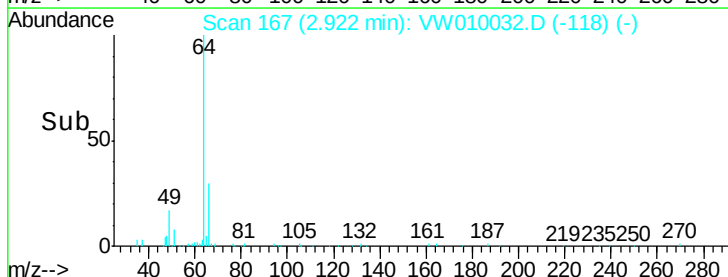
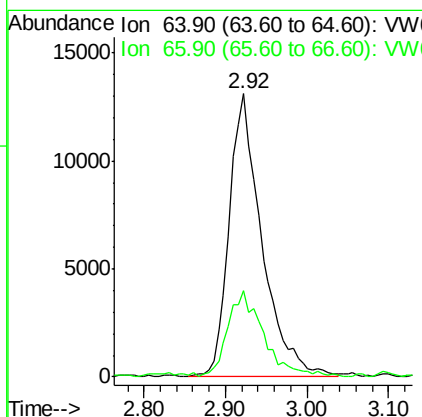
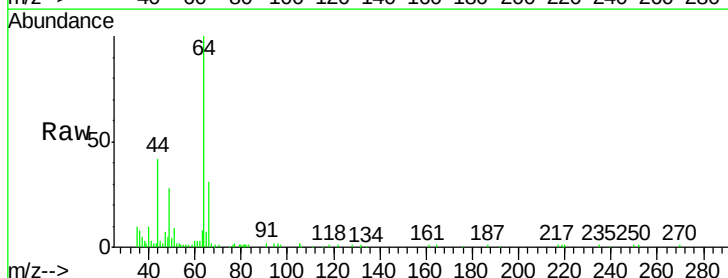
Acq: 18 Apr 2019 01:47

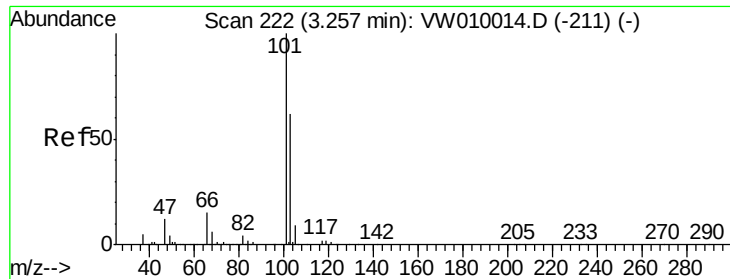
Tgt Ion: 64 Resp: 36485

Ion Ratio Lower Upper

64 100

66 30.0 23.4 35.0





#7

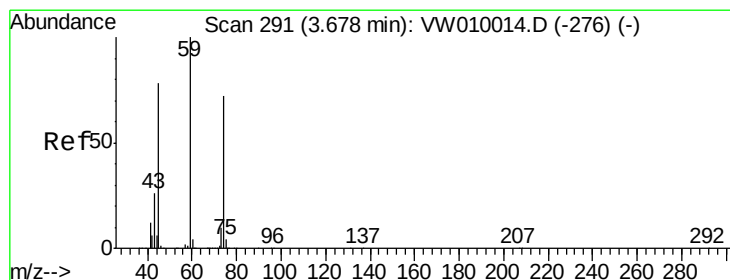
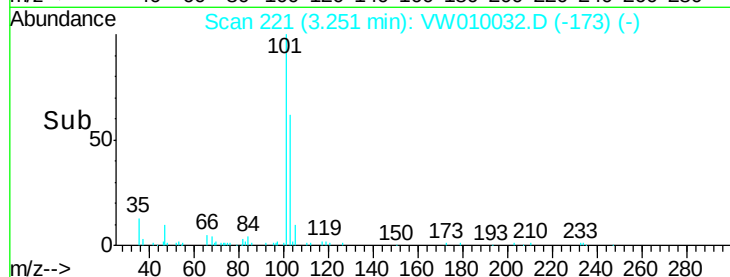
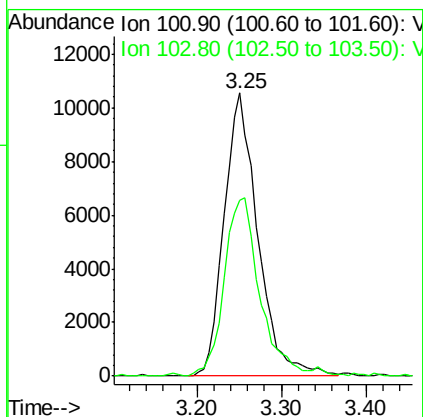
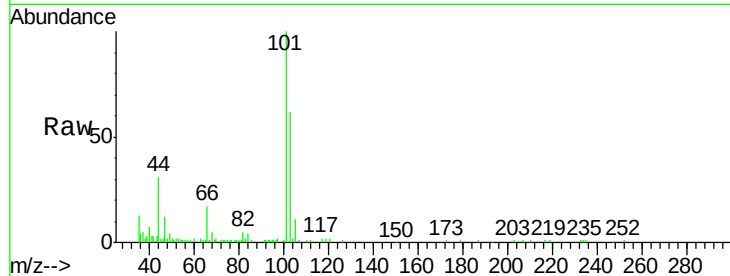
Trichlorofluoromethane
 Concen: 15.445 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.8	74.6

Manual Integrations
 APPROVED

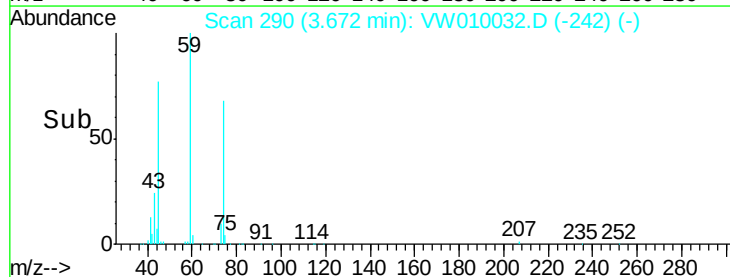
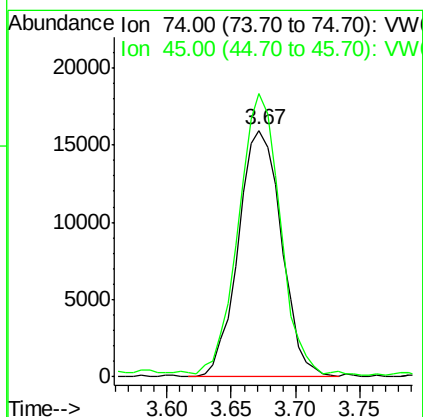
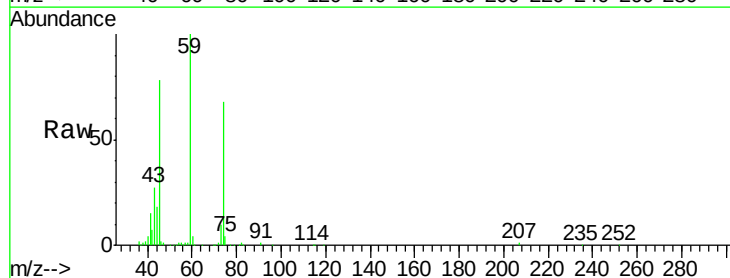
MMDadoda
 4/18/2019 11:39:17 AM

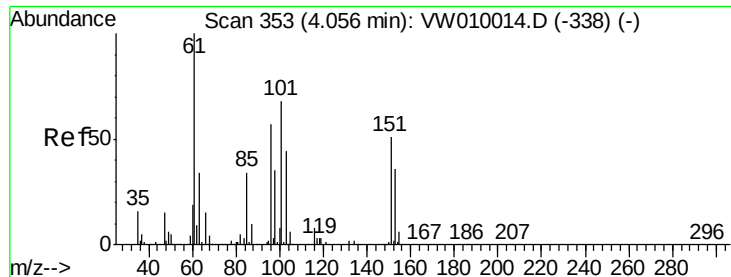


#8

Diethyl Ether
 Concen: 24.011 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.4	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.914 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

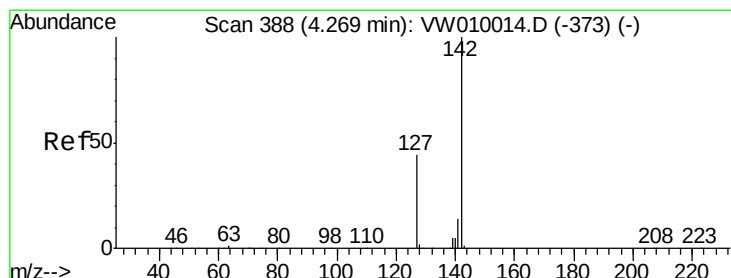
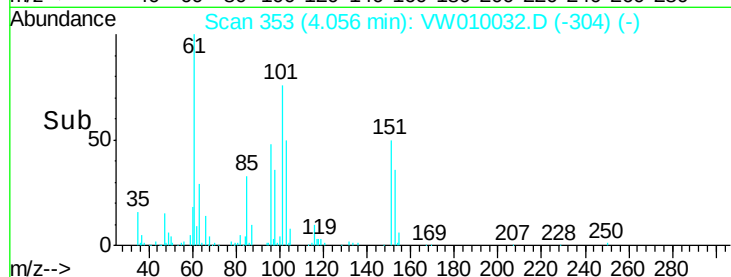
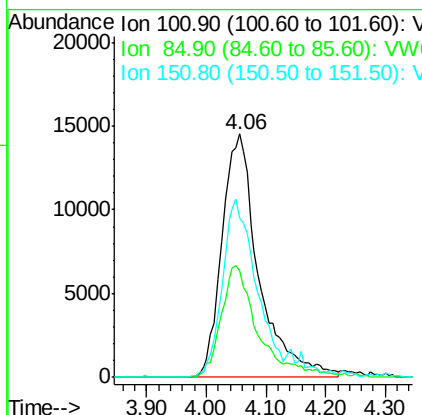
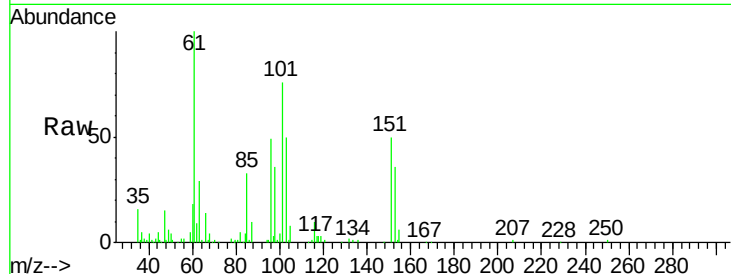
ClientSampleId :

VW0417SBS02

Tot Ion:	101	Resp:	62304
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.3	54.5
151	67.3	60.2	90.2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#10

Methyl Iodide

Concen: 21.555 ug/l

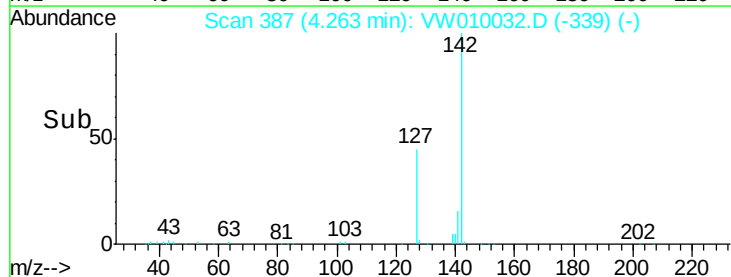
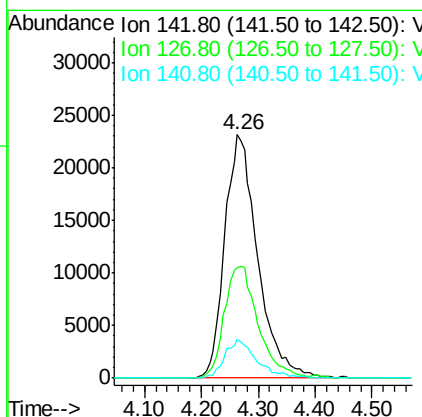
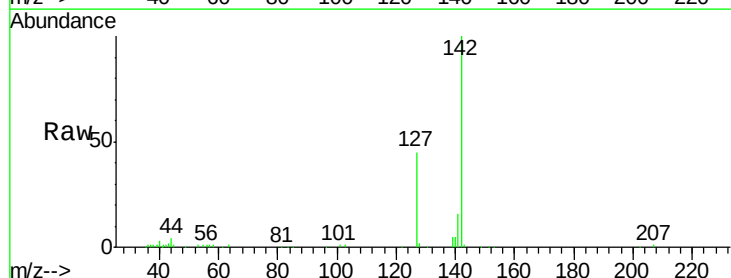
RT: 4.26 min Scan# 387

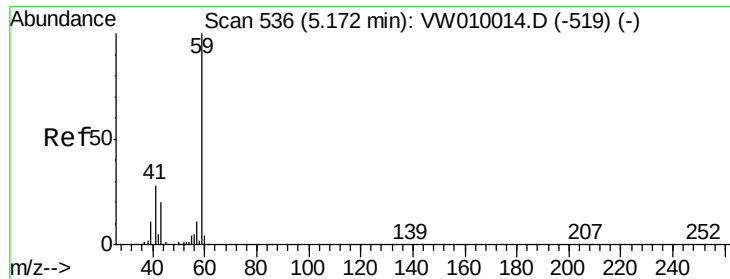
Delta R.T. -0.01 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	142	Resp:	93197
Ion Ratio	Lower	Upper	
142	100		
127	47.0	38.1	57.1
141	15.3	12.2	18.2





#11

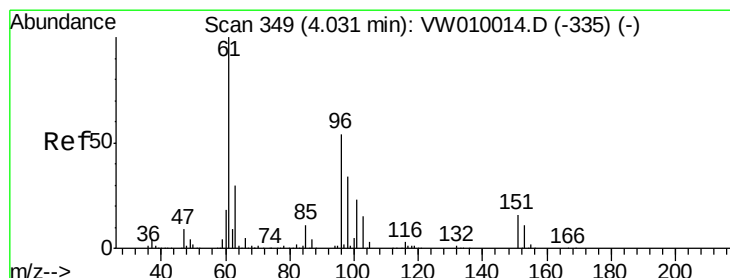
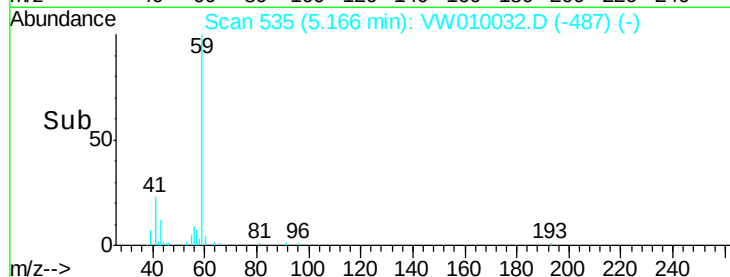
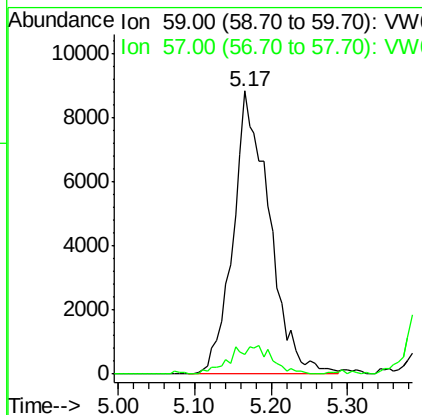
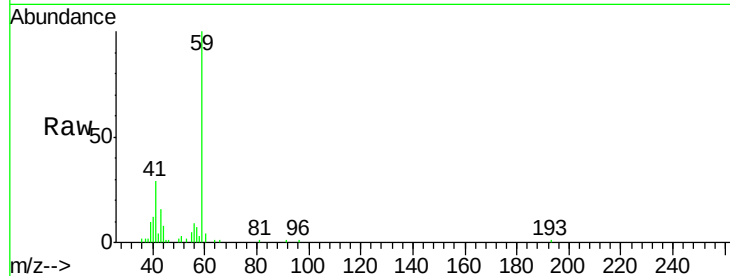
Tert butyl alcohol
 Concen: 136.016 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	9.0	13.4#

Manual Integrations
 APPROVED

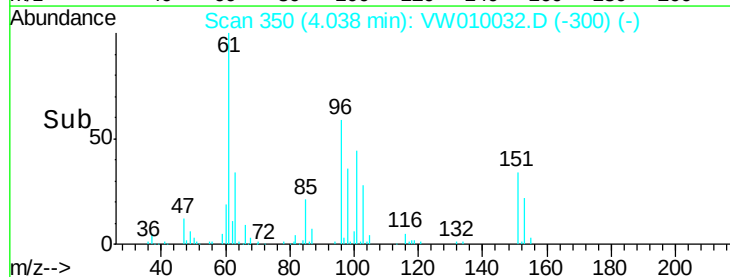
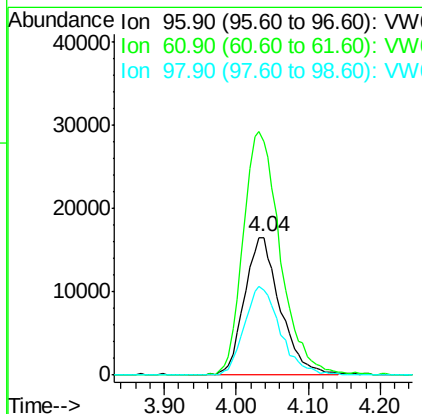
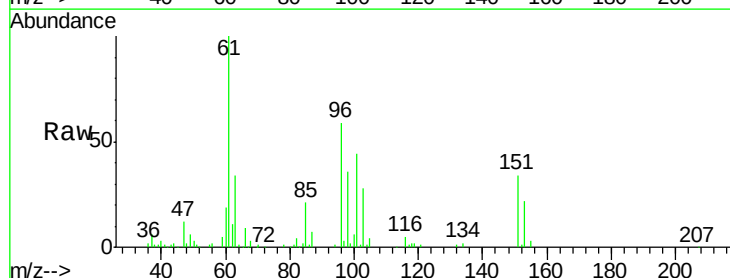
MMDadoda
 4/18/2019 11:39:17 AM

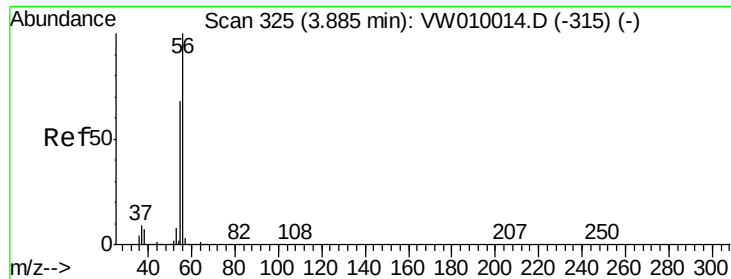


#12

1,1-Dichloroethene
 Concen: 19.003 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.3	147.4	221.2
98	61.9	49.7	74.5





#13

Acrolein

Concen: 99.405 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 56 Resp: 22304

Ion Ratio Lower Upper

56 100

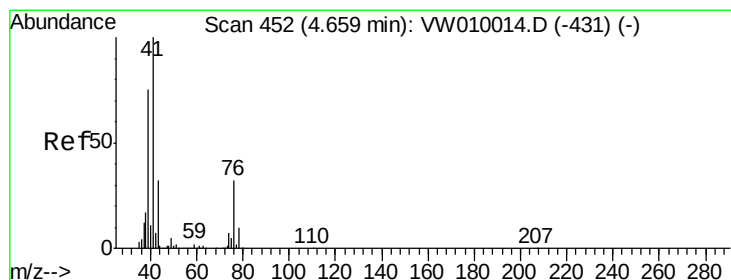
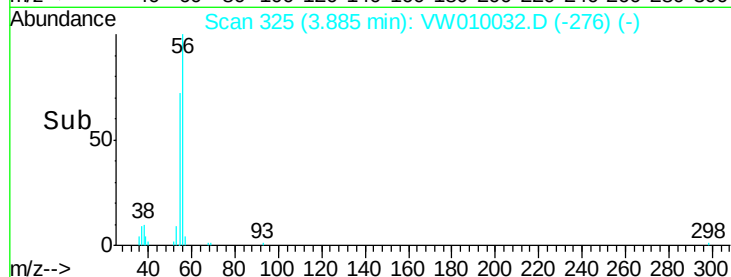
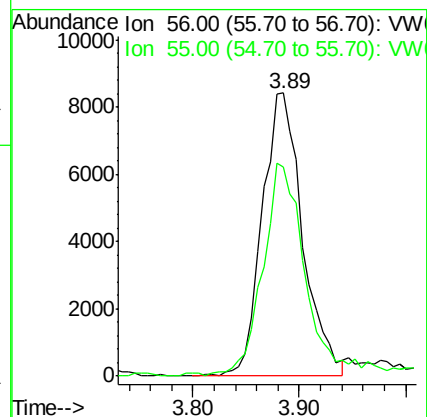
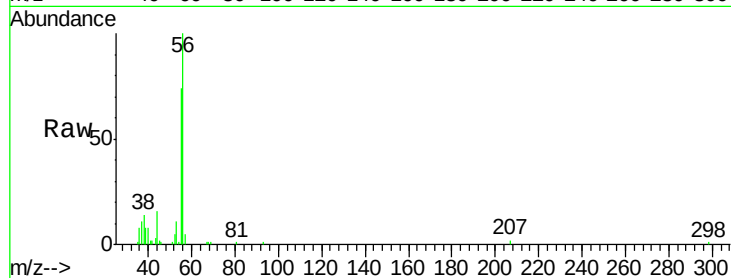
55 80.1 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:39:17 AM



#14

Allyl chloride

Concen: 19.530 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

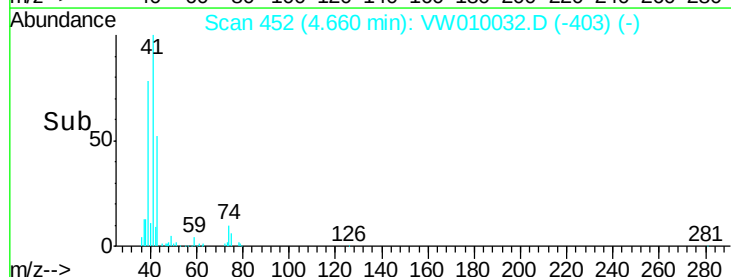
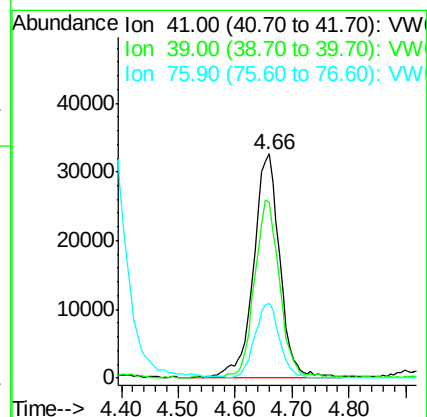
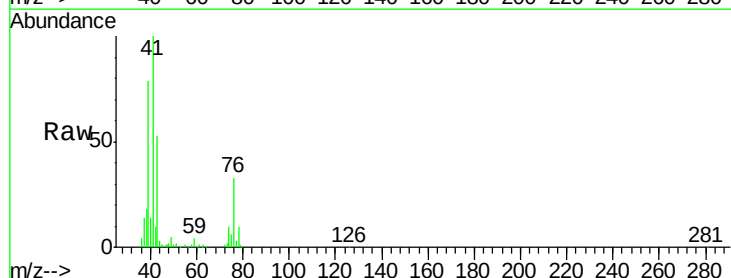
Tgt Ion: 41 Resp: 104148

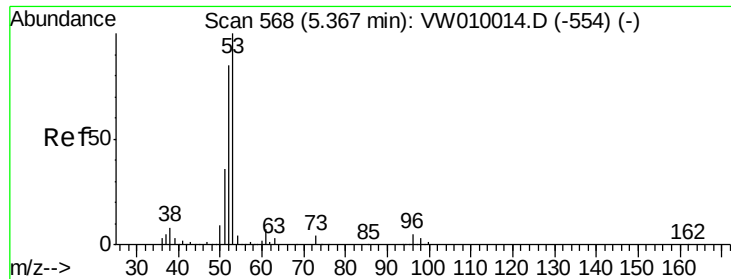
Ion Ratio Lower Upper

41 100

39 75.5 60.2 90.4

76 30.7 25.0 37.6





#15

Acrylonitrile

Concen: 124.215 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

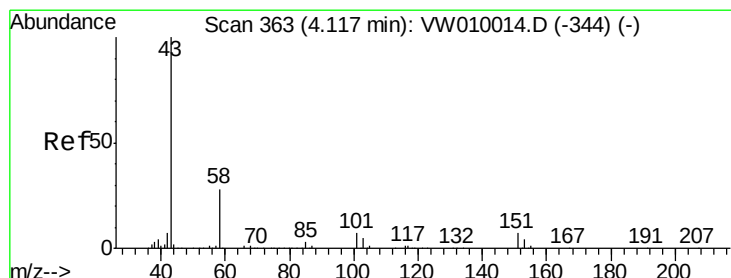
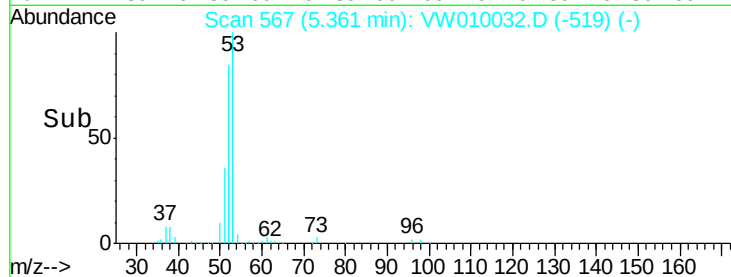
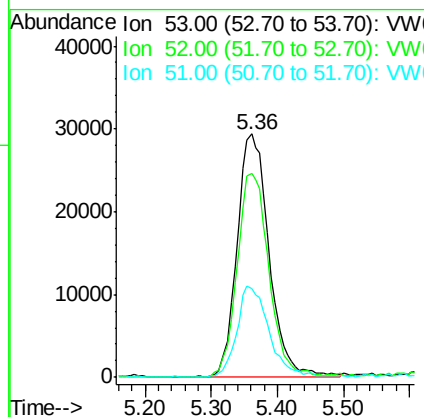
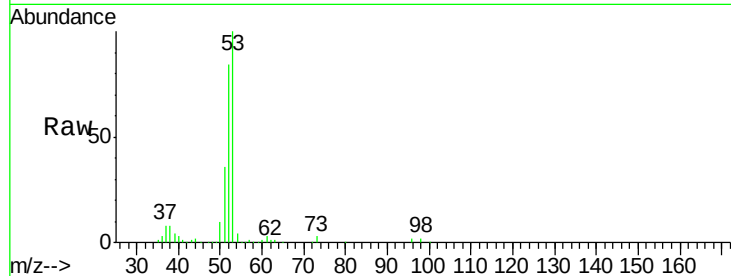
ClientSampleId :

VW0417SBS02

Tot Ion:	53	Resp:	98869
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.6	100.0
51	37.7	30.3	45.5

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#16

Acetone

Concen: 106.937 ug/l

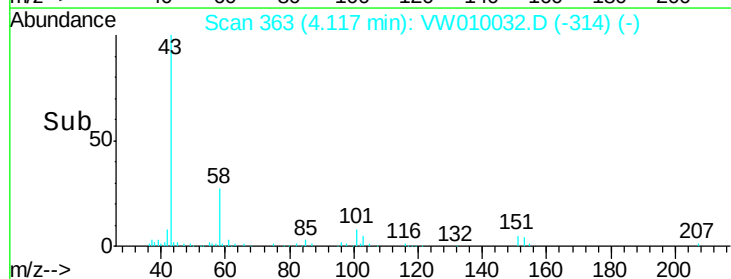
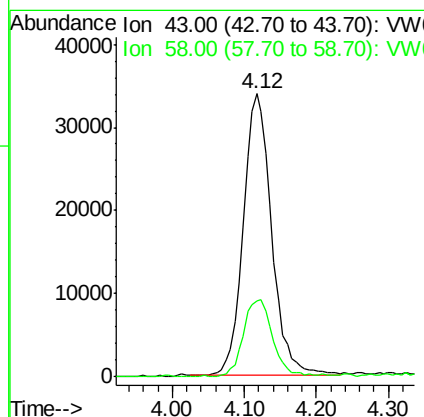
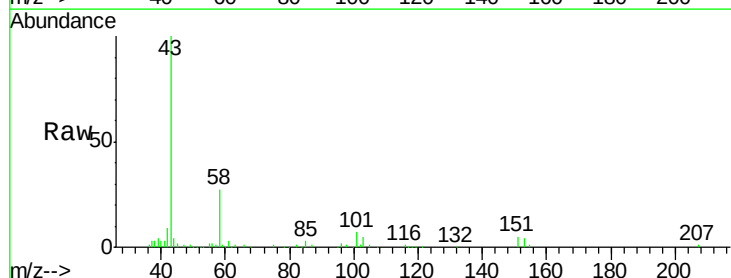
RT: 4.12 min Scan# 363

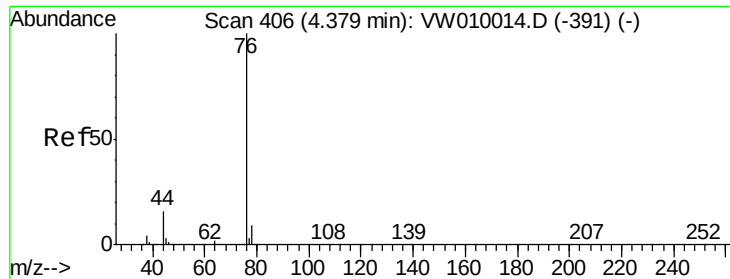
Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	43	Resp:	92901
Ion Ratio	Lower	Upper	
43	100		
58	27.0	22.7	34.1





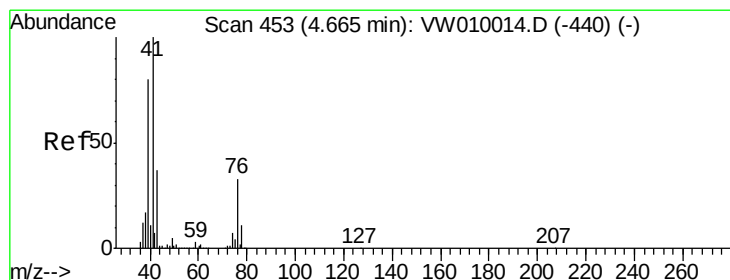
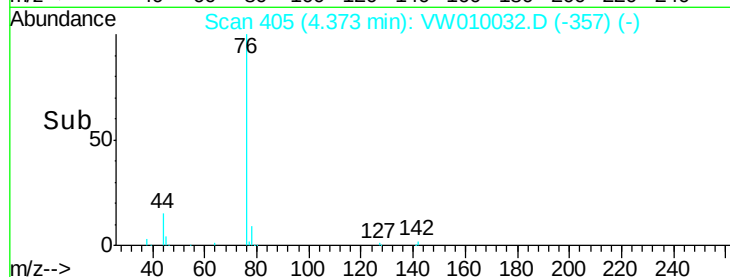
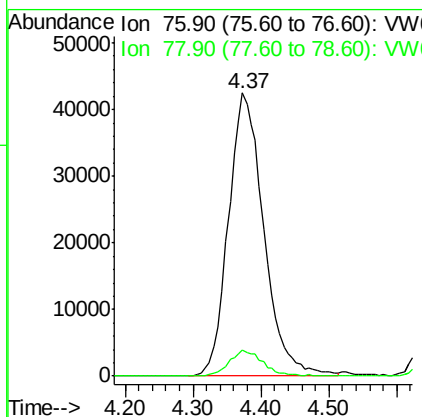
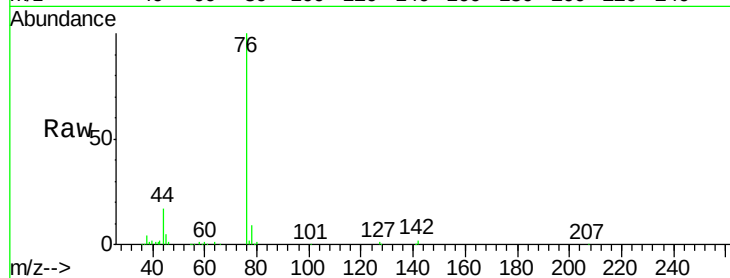
#17
Carbon Disulfide
Concen: 17.839 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

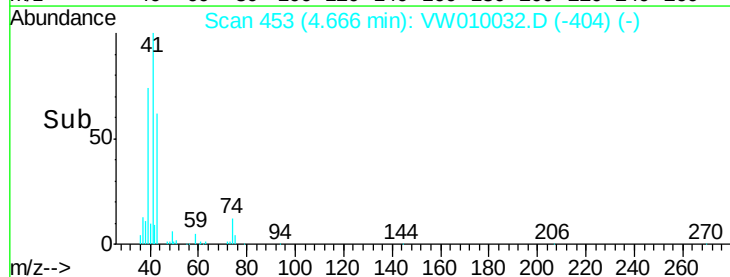
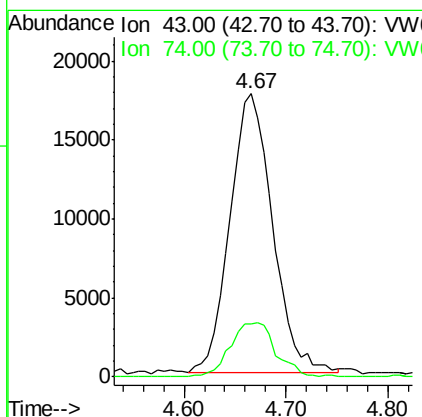
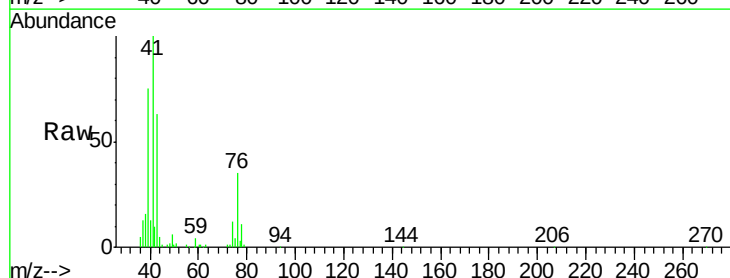
Manual Integrations
APPROVED

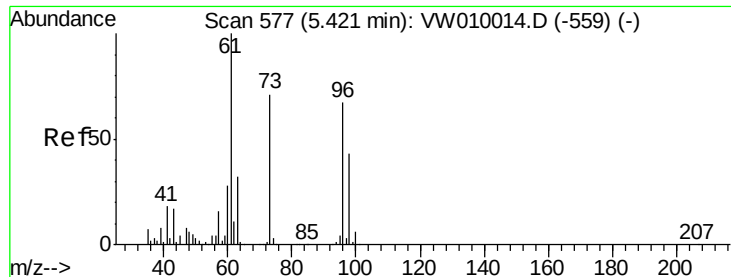
MMDadoda
4/18/2019 11:39:17 AM



#18
Methyl Acetate
Concen: 25.679 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.8	25.2





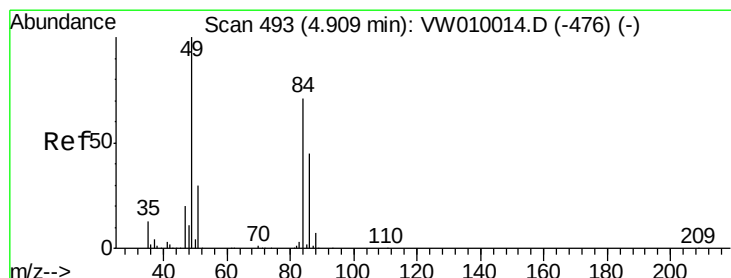
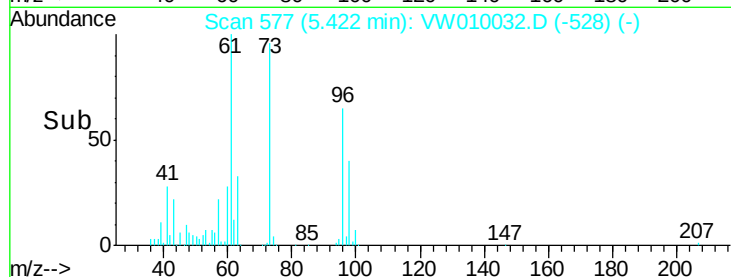
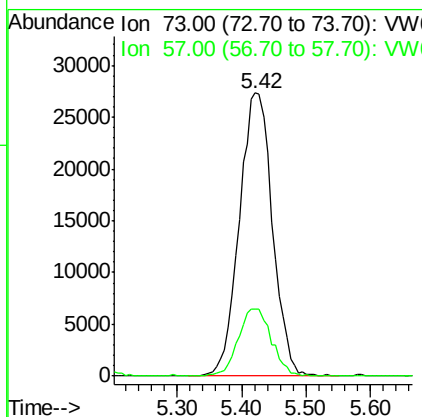
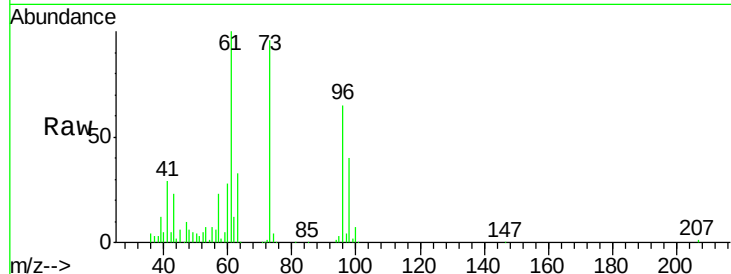
#19
Methyl tert-butyl Ether
Concen: 24.791 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.5	27.7

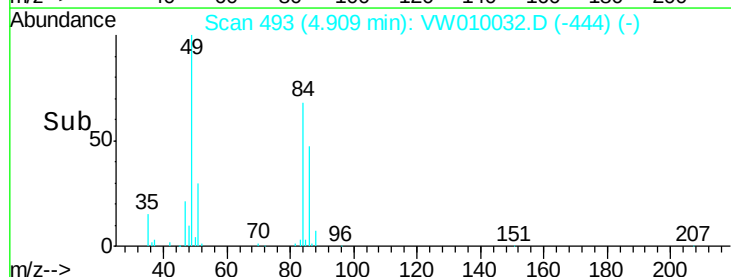
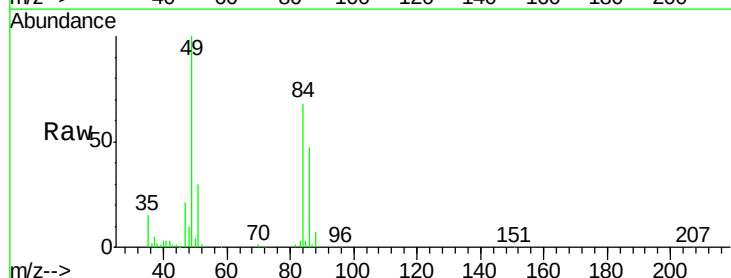
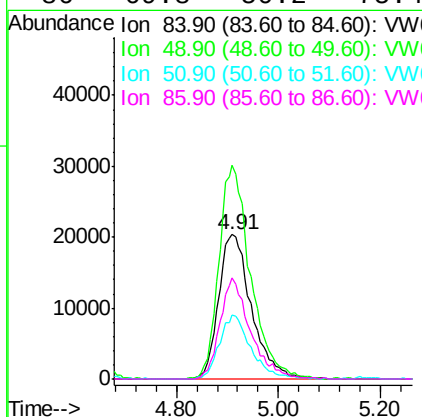
Manual Integrations
APPROVED

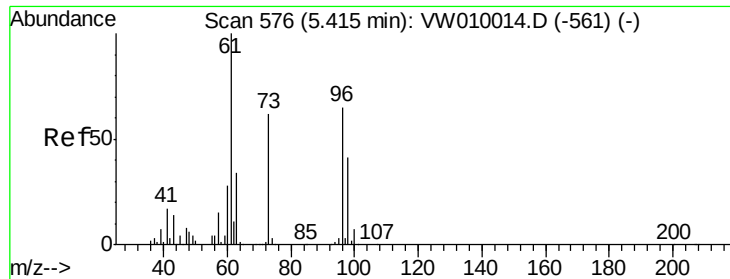
MMDadoda
4/18/2019 11:39:17 AM



#20
Methylene Chloride
Concen: 24.844 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.1	112.3	168.5
51	44.3	33.9	50.9
86	69.8	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 20.422 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

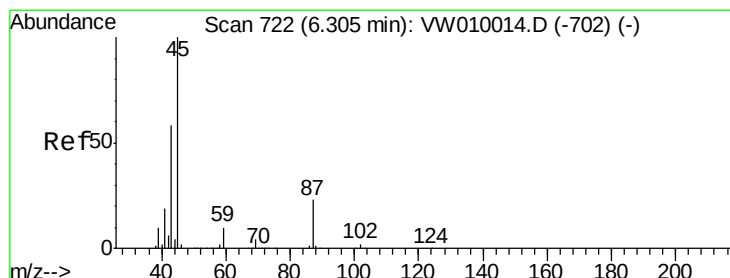
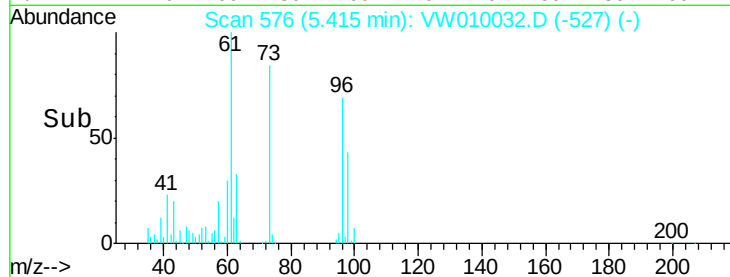
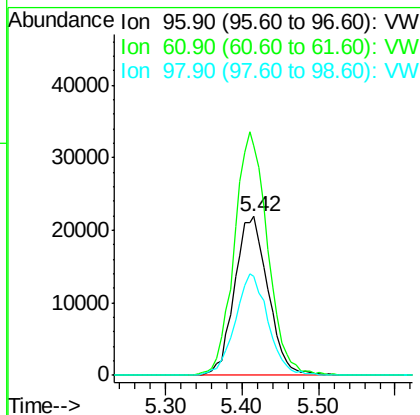
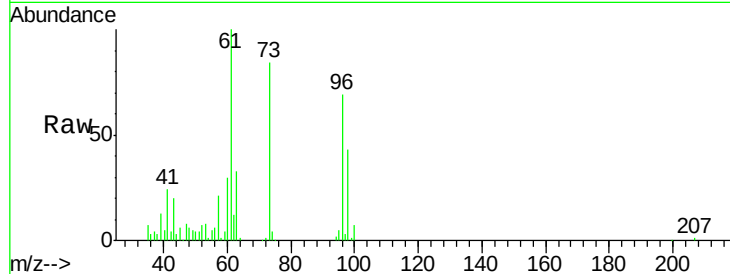
ClientSampleId :

VW0417SBS02

Tot Ion:	96	Resp:	66333
Ion	Ratio	Lower	Upper
96	100		
61	144.5	122.3	183.5
98	62.7	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#22

Diisopropyl ether

Concen: 24.326 ug/l

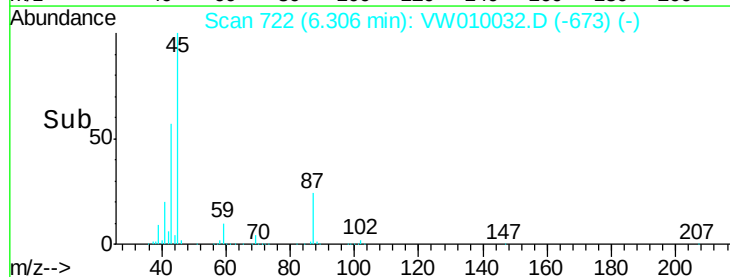
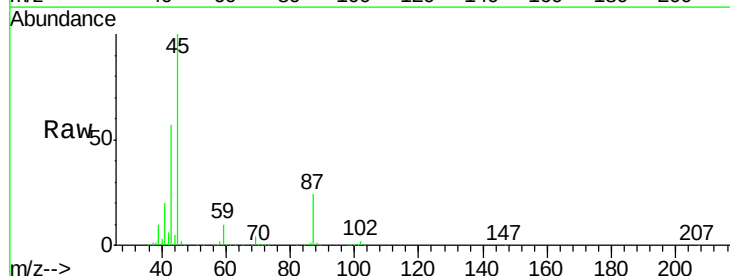
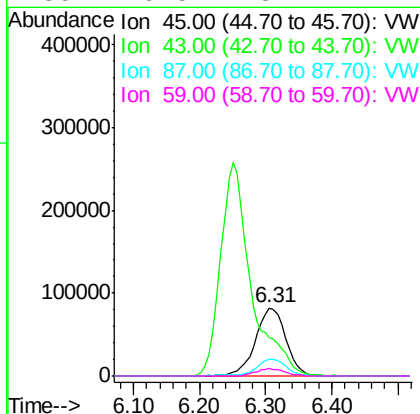
RT: 6.31 min Scan# 722

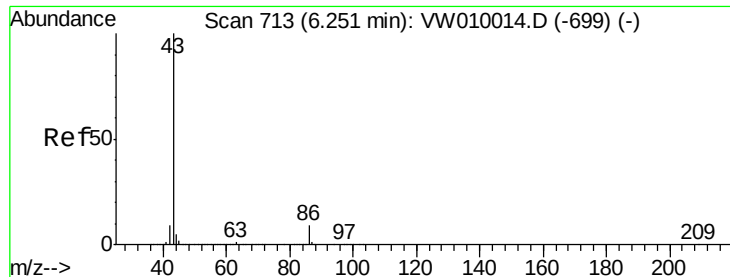
Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	45	Resp:	263138
Ion	Ratio	Lower	Upper
45	100		
43	56.5	46.1	69.1
87	23.7	18.3	27.5
59	10.5	8.2	12.4





#23

Vinyl Acetate

Concen: 121.441 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 43 Resp: 826942

Ion Ratio Lower Upper

43 100

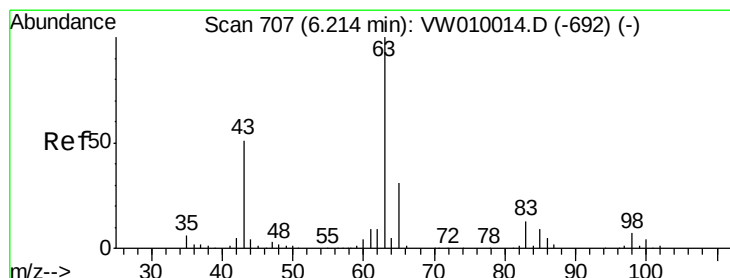
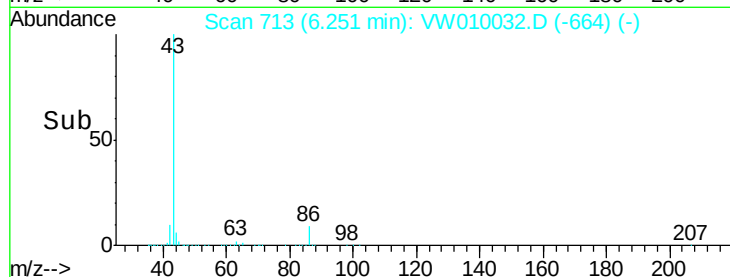
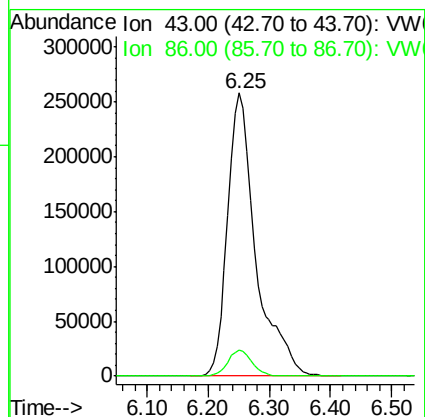
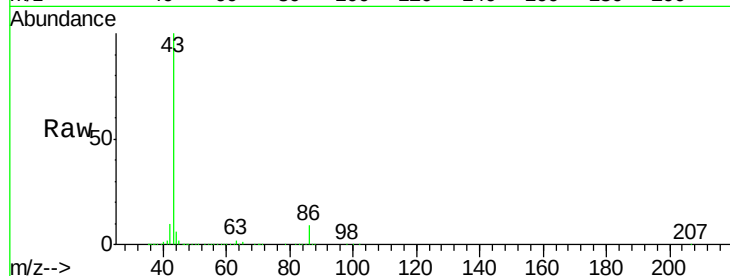
86 9.3 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:39:17 AM



#24

1,1-Dichloroethane

Concen: 22.037 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

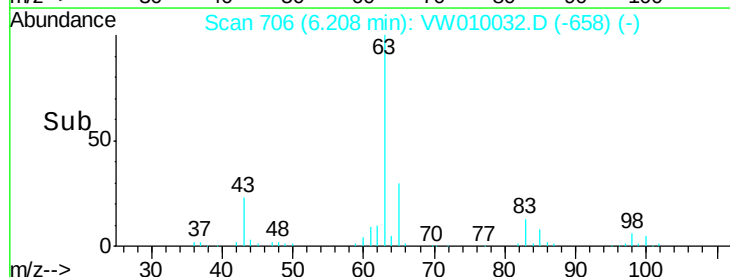
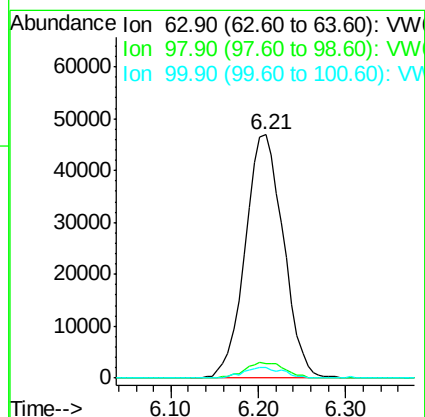
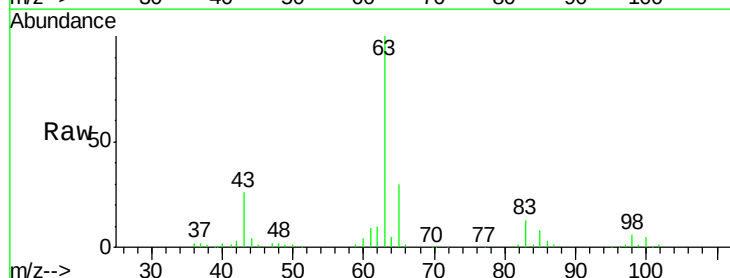
Tgt Ion: 63 Resp: 142502

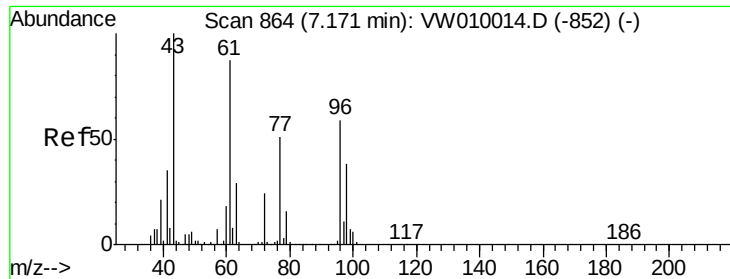
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 130.164 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampled :

VW0417SBS02

Tot Ion: 43 Resp: 148543

Ion Ratio Lower Upper

43 100

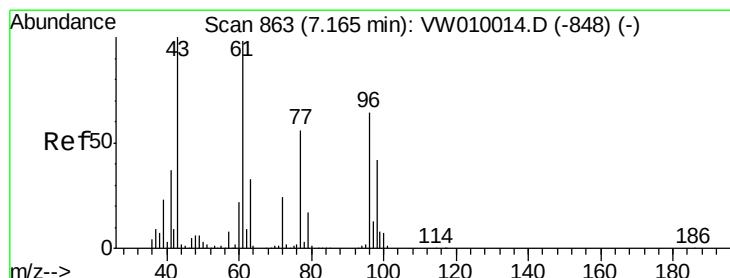
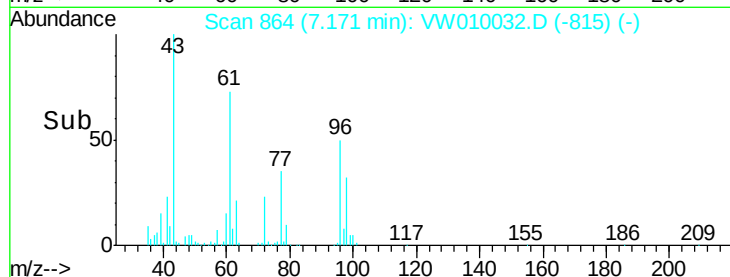
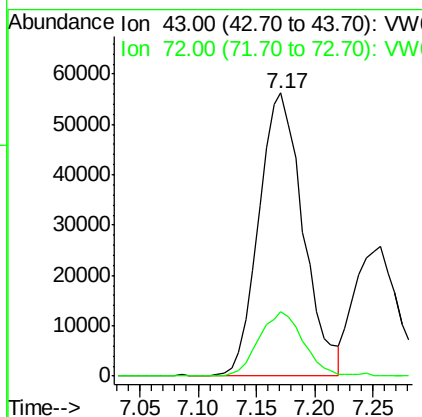
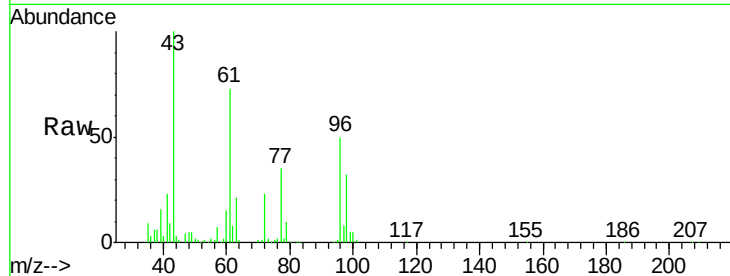
72 23.0 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

4/18/2019 11:39:17 AM



#26

2,2-Dichloropropane

Concen: 17.698 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010032.D

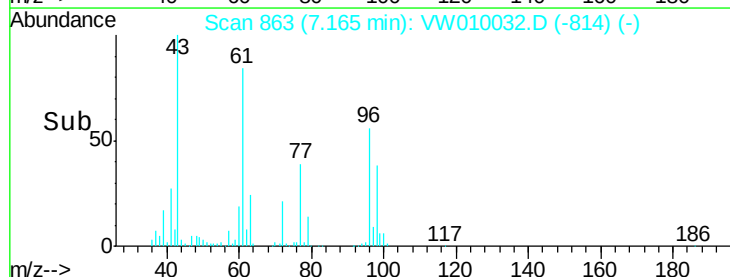
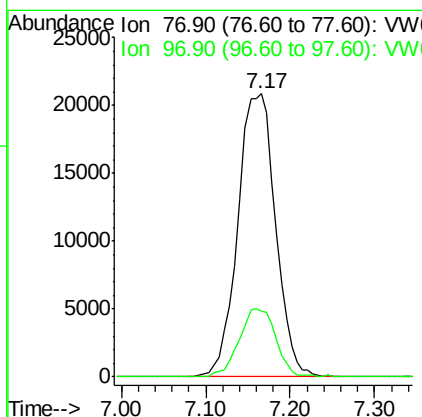
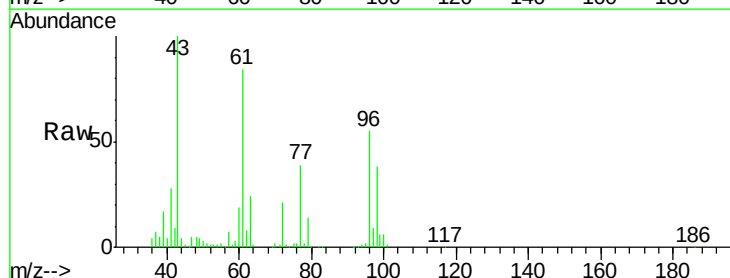
Acq: 18 Apr 2019 01:47

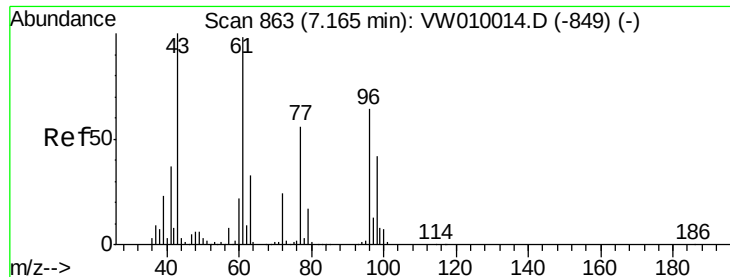
Tgt Ion: 77 Resp: 63317

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9





#27

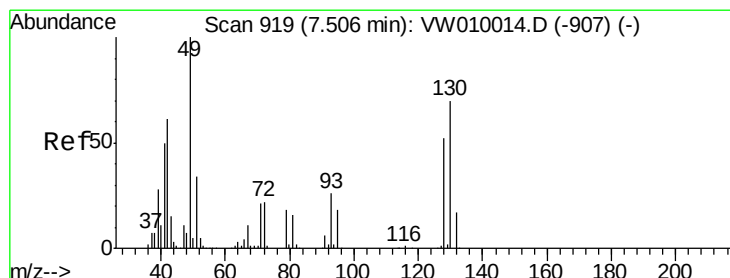
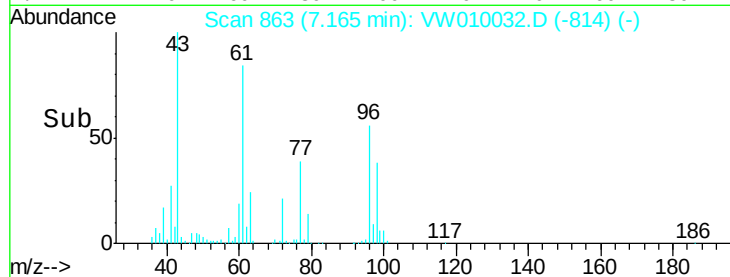
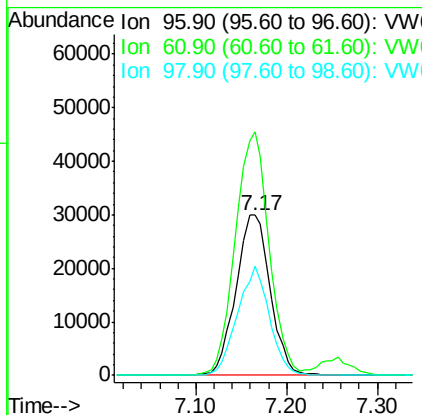
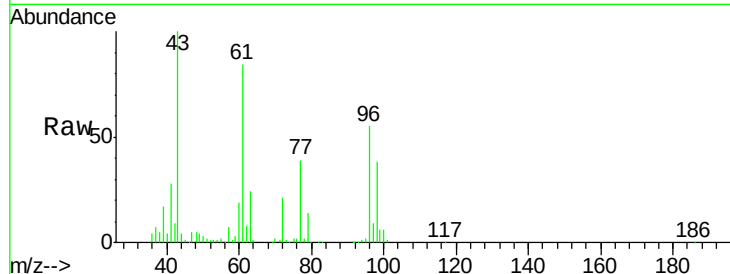
cis-1,2-Dichloroethene
Concen: 21.903 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	309.4
98	63.6	0.0	128.6

Manual Integrations
APPROVED

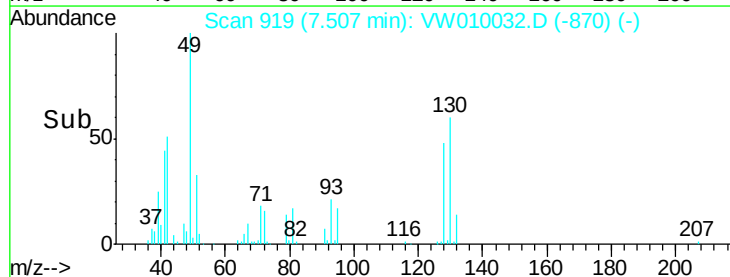
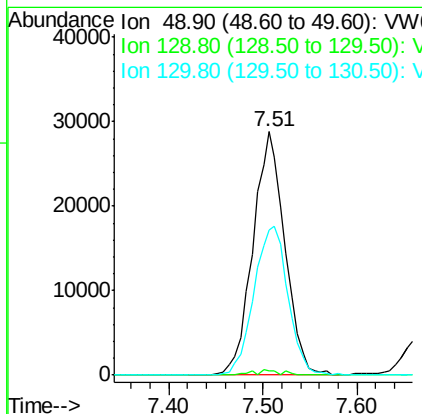
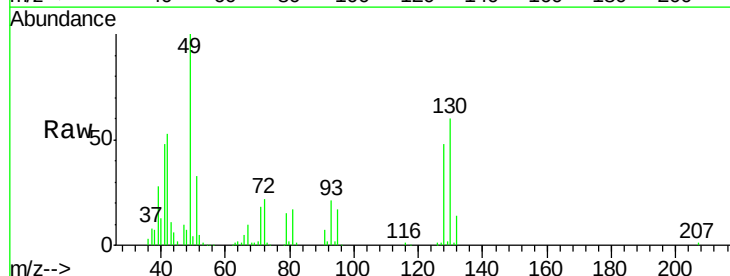
MMDadoda
4/18/2019 11:39:17 AM

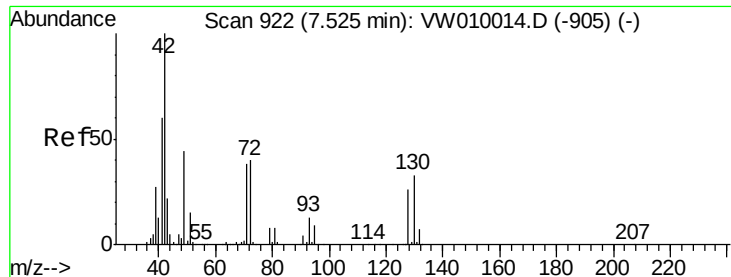


#28

Bromochloromethane
Concen: 25.917 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	65.2	54.6	82.0





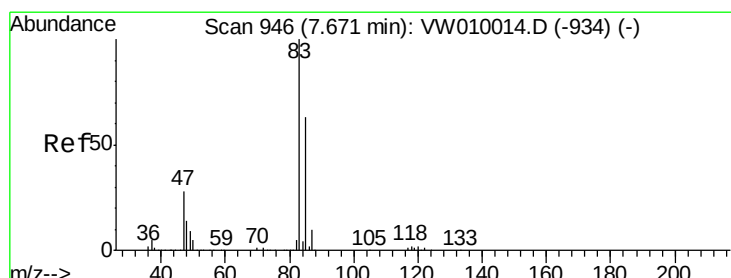
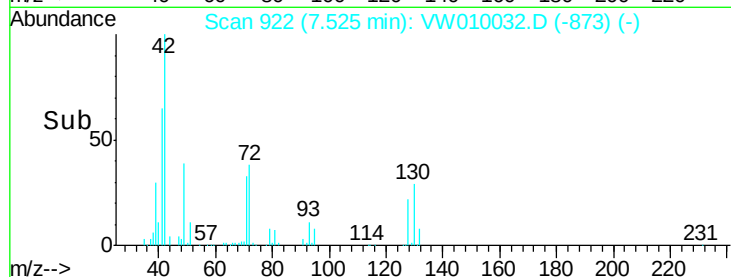
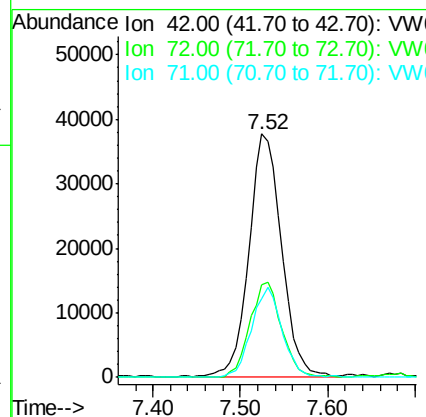
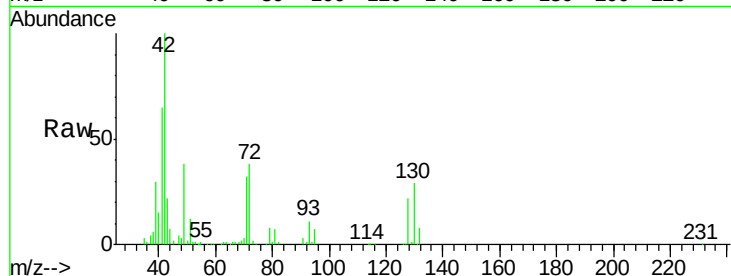
#29
Tetrahydrofuran
Concen: 133.941 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.0	46.6
71	34.7	29.7	44.5

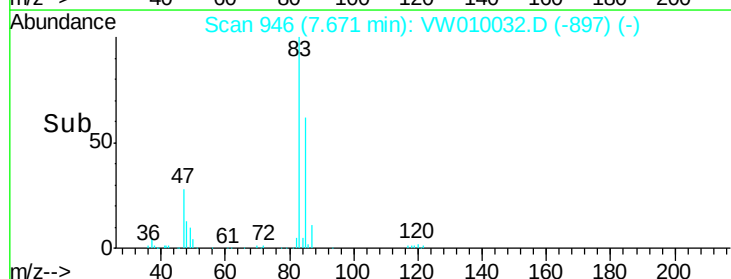
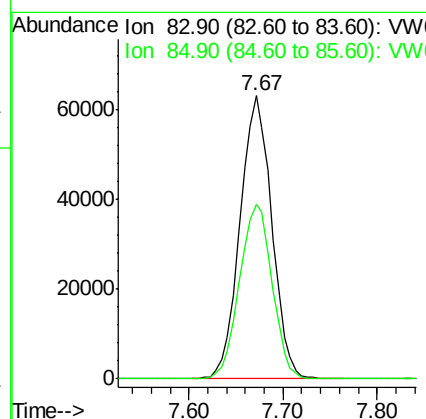
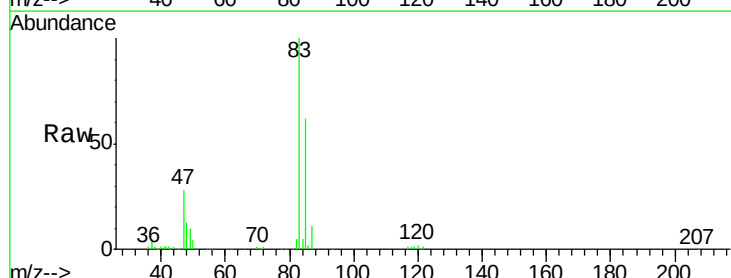
Manual Integrations
APPROVED

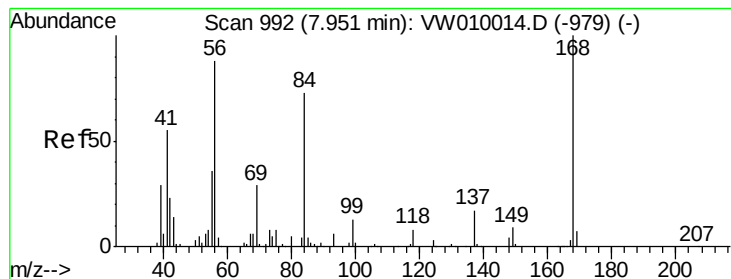
MMDadoda
4/18/2019 11:39:17 AM



#30
Chloroform
Concen: 22.759 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.7	76.1





#31

Cyclohexane

Concen: 18.514 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

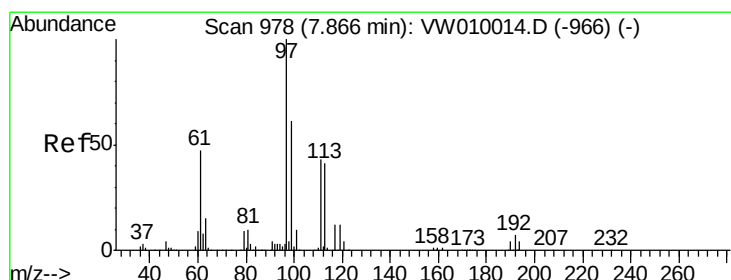
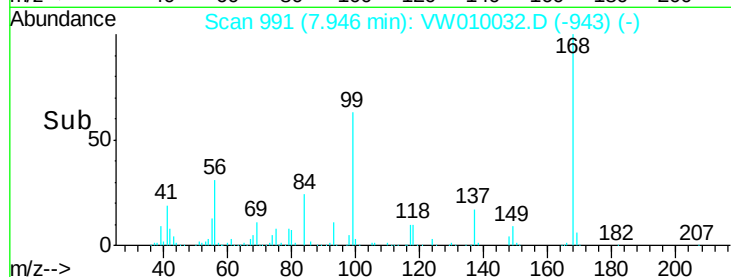
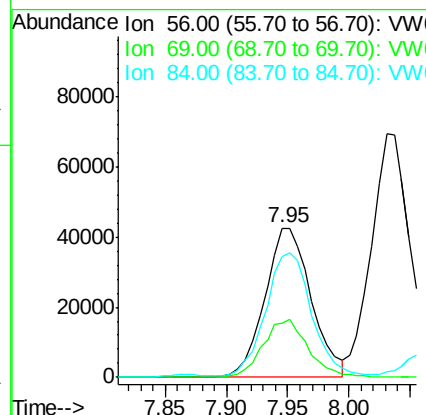
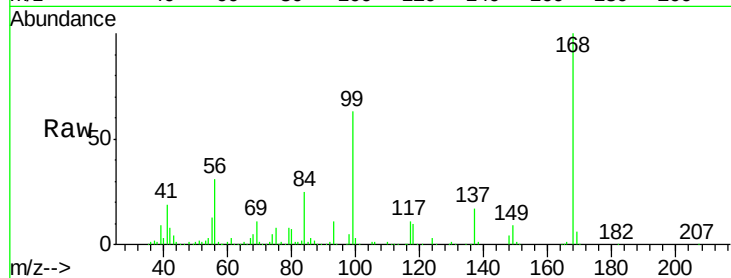
ClientSampleId :

VW0417SBS02

Tot Ion:	56	Resp:	112106
Ion Ratio	Lower	Upper	
56	100		
69	36.0	26.6	40.0
84	78.5	66.2	99.2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#32

1,1,1-Trichloroethane

Concen: 21.041 ug/l

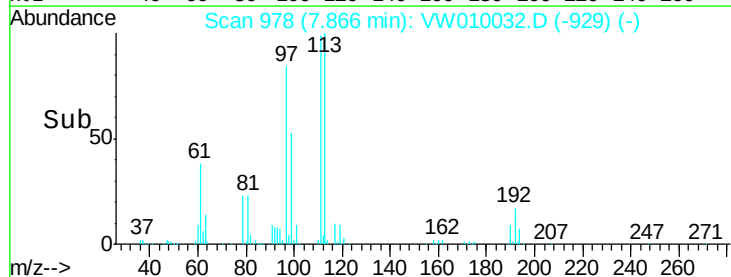
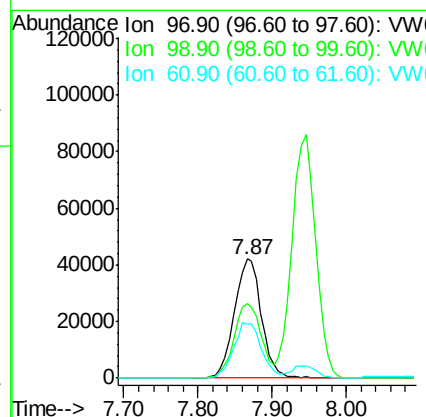
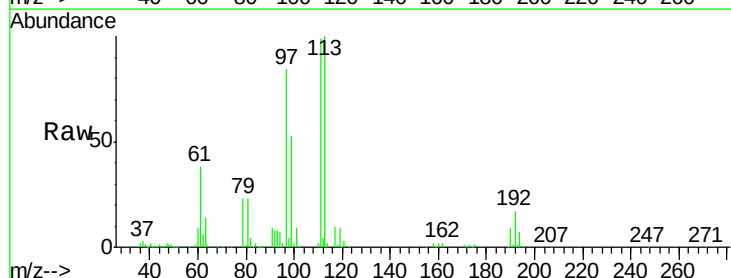
RT: 7.87 min Scan# 978

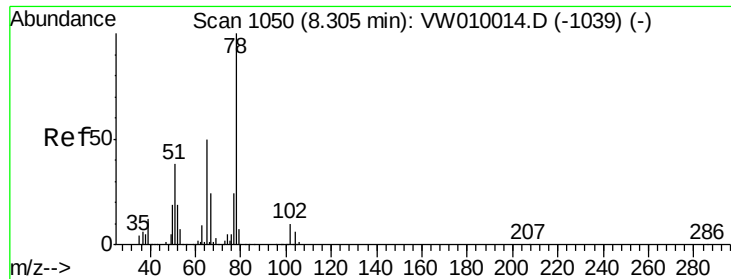
Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	97	Resp:	107026
Ion Ratio	Lower	Upper	
97	100		
99	63.2	50.2	75.2
61	47.6	38.2	57.2





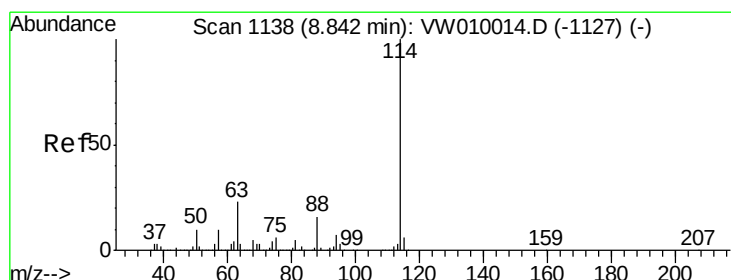
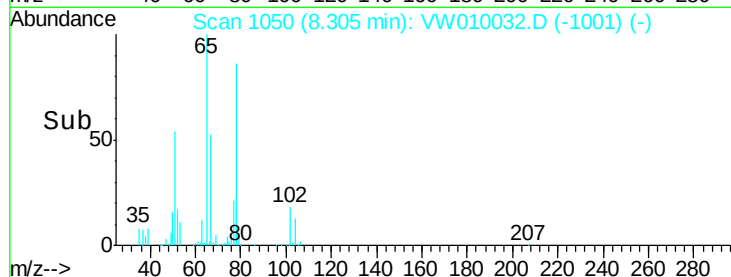
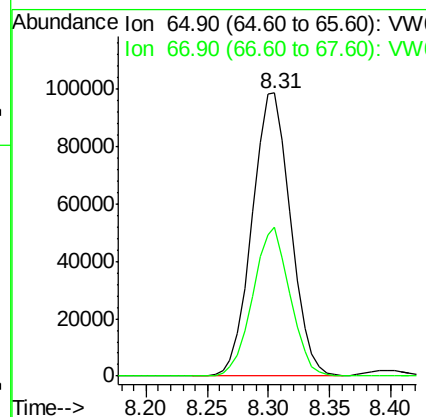
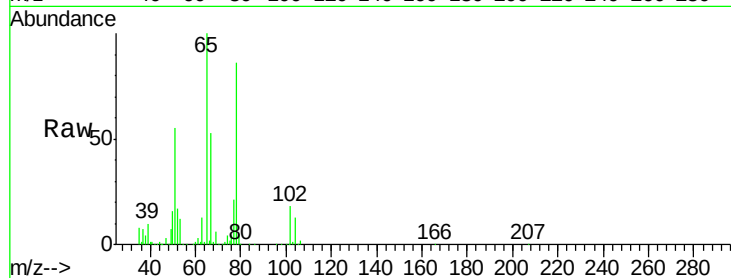
#33
 1,2-Dichloroethane-d4
 Concen: 57.749 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216226		
67	51.0	0.0	100.8	

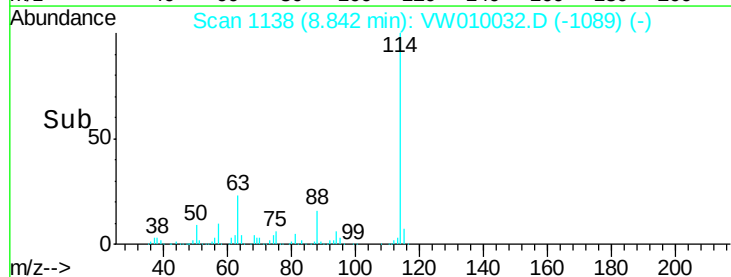
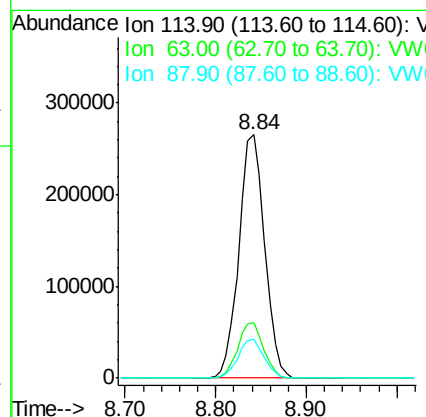
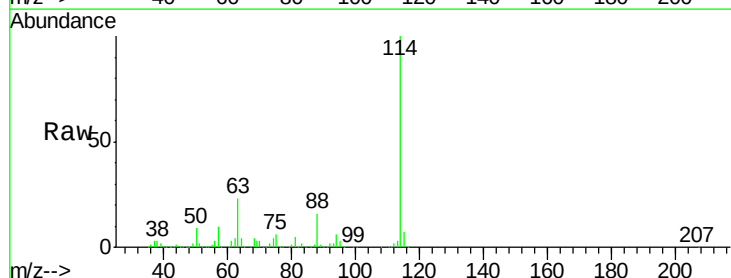
Manual Integrations
 APPROVED

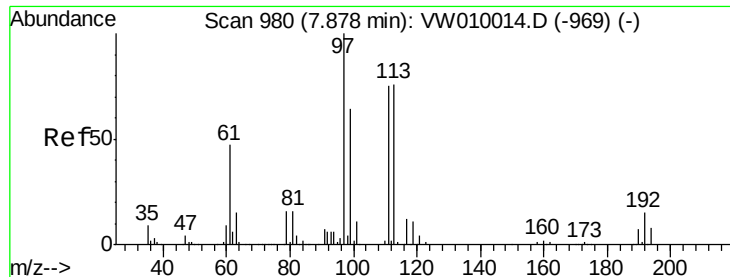
MMDadoda
 4/18/2019 11:39:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	522661		
63	23.0	0.0	46.2	
88	15.9	0.0	32.6	





#35

Dibromofluoromethane

Concen: 50.449 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

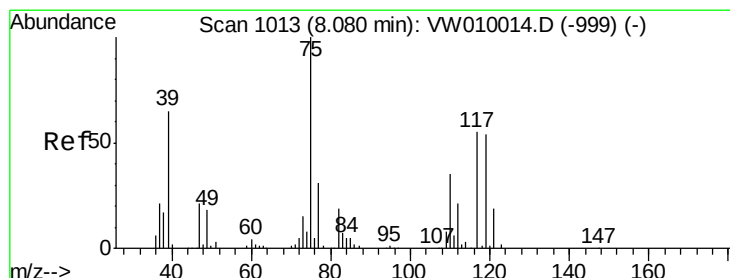
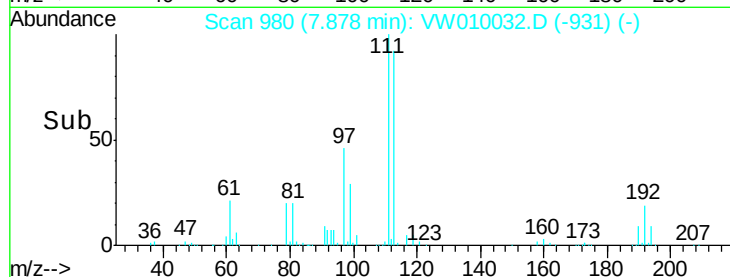
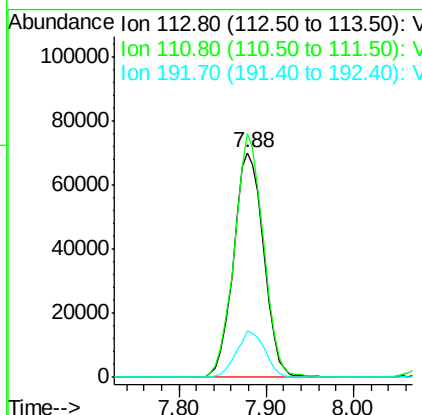
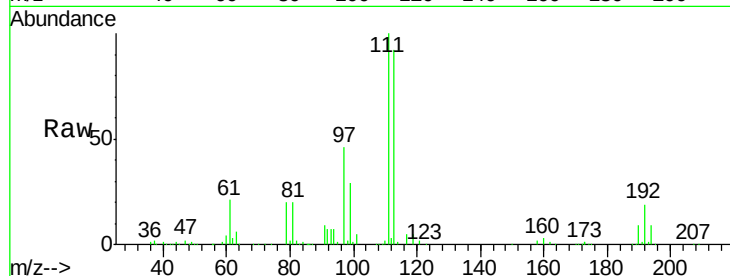
ClientSampleId :

VW0417SBS02

Tot Ion:	113	Resp:	167637
Ion Ratio	Lower	Upper	
113	100		
111	104.7	82.6	123.8
192	19.5	15.4	23.2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#36

1,1-Dichloropropene

Concen: 18.975 ug/l

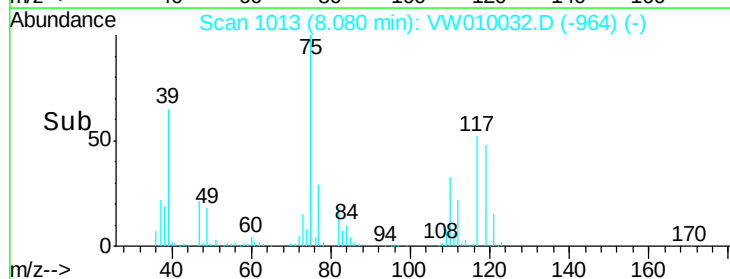
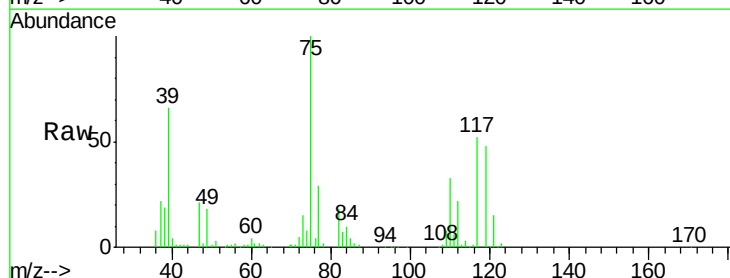
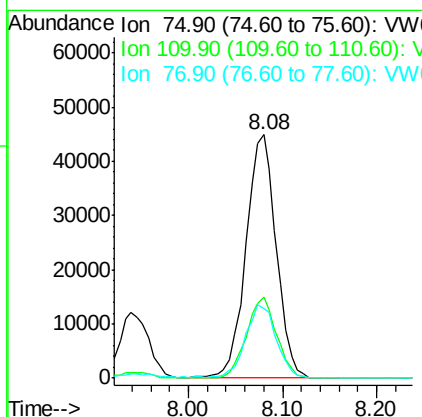
RT: 8.08 min Scan# 1013

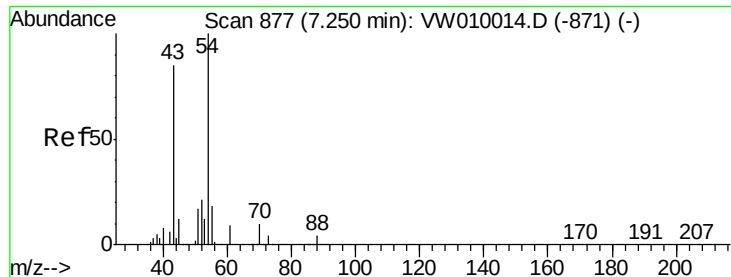
Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	75	Resp:	101305
Ion Ratio	Lower	Upper	
75	100		
110	32.9	16.6	49.8
77	30.8	24.8	37.2





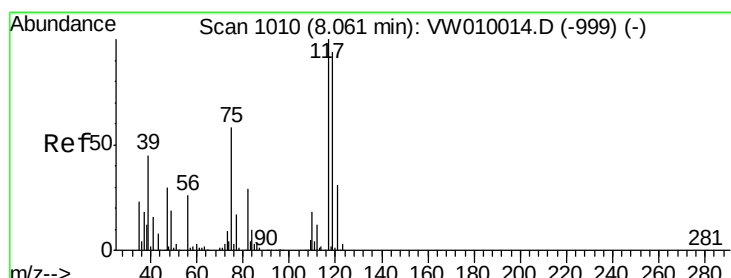
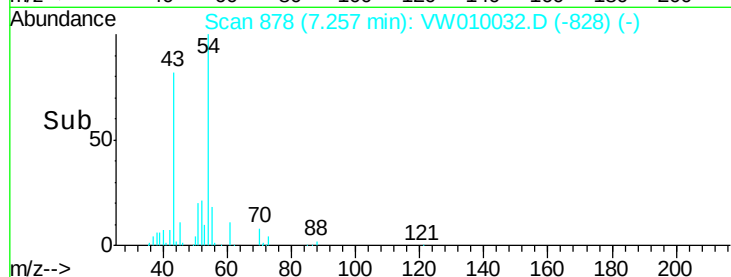
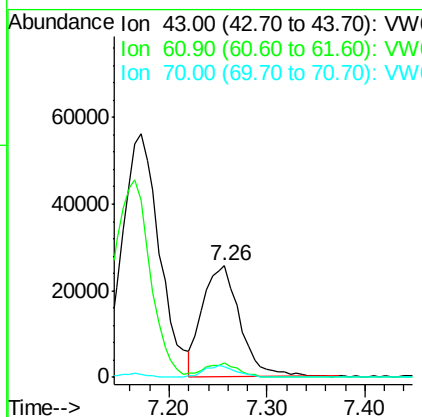
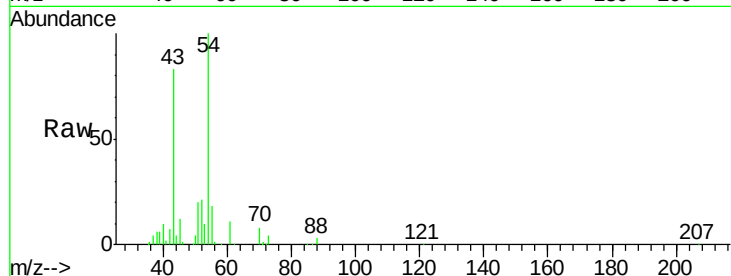
#37
Ethyl Acetate
Concen: 24.966 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.8	14.8
70	9.5	7.4	11.0

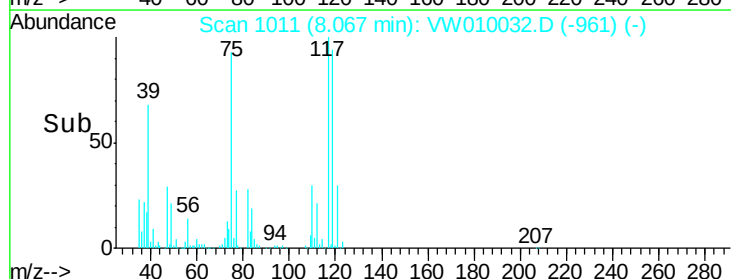
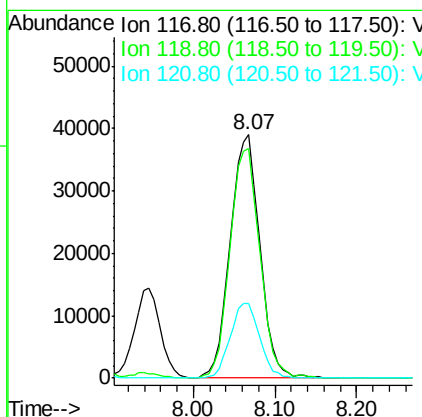
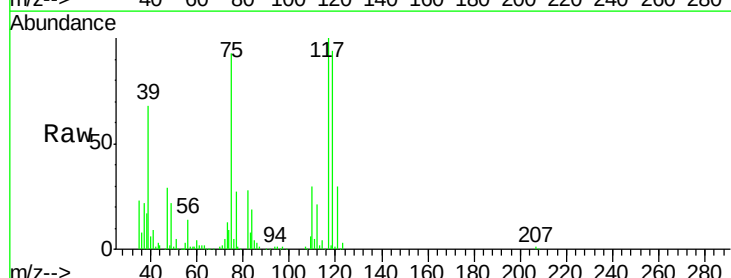
Manual Integrations
APPROVED

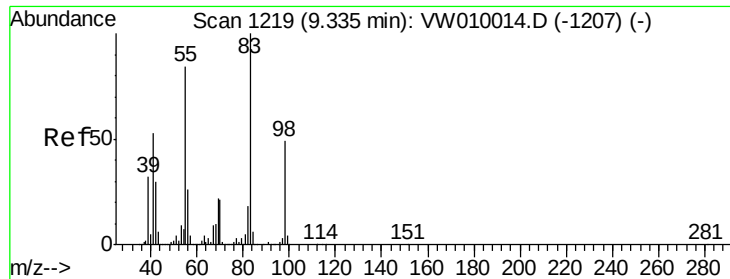
MMDadoda
4/18/2019 11:39:17 AM



#38
Carbon Tetrachloride
Concen: 18.748 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.3	112.9
121	30.4	24.4	36.6





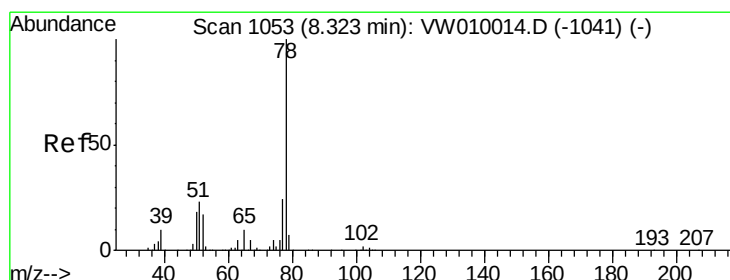
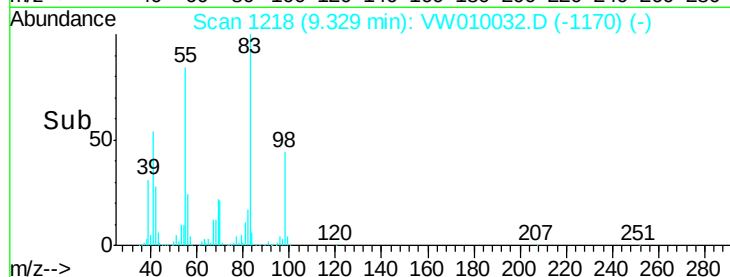
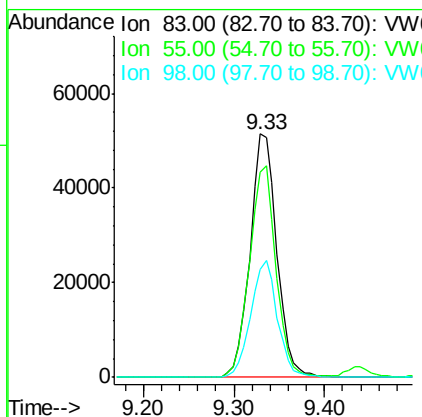
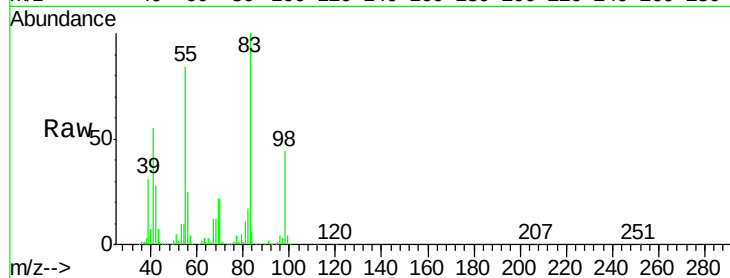
#39
Methylvlcyclohexane
Concen: 16.995 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	67.1	100.7
98	44.3	39.2	58.8

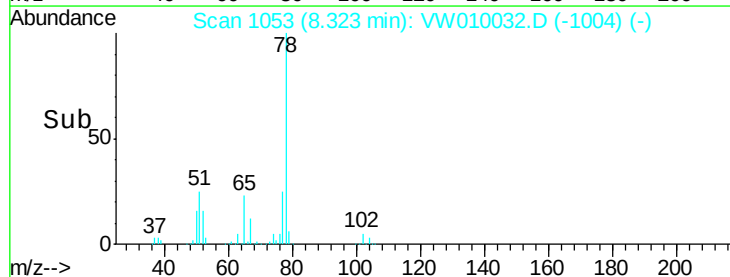
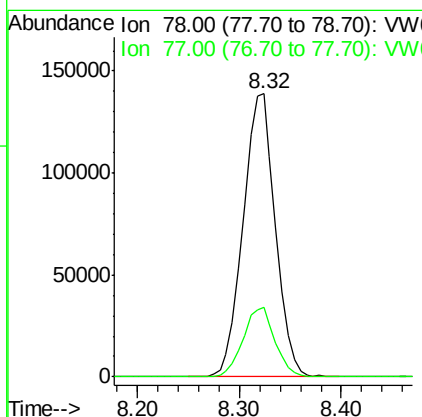
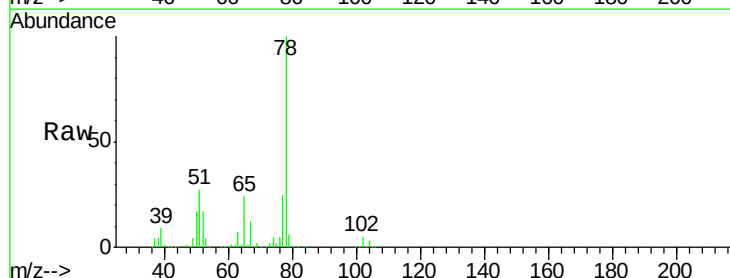
Manual Integrations
APPROVED

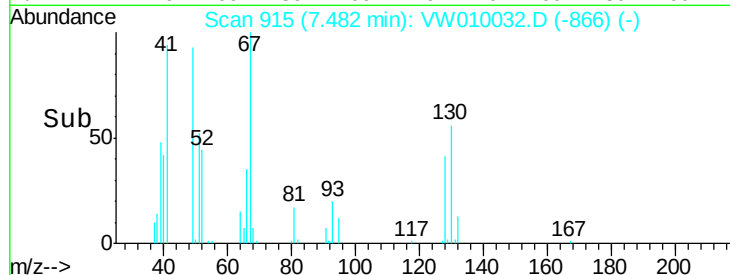
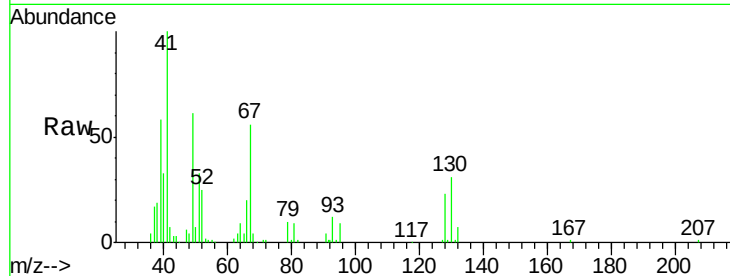
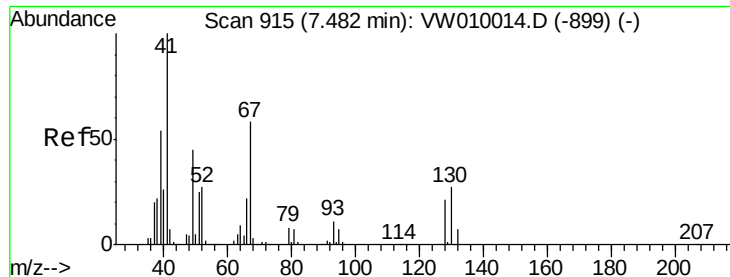
MMDadoda
4/18/2019 11:39:17 AM



#40
Benzene
Concen: 20.921 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7





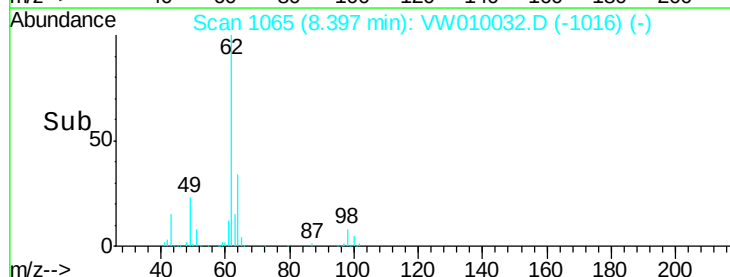
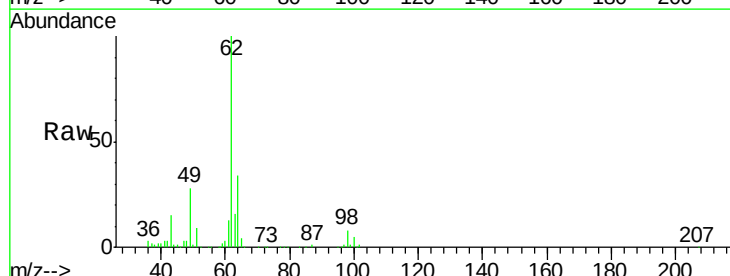
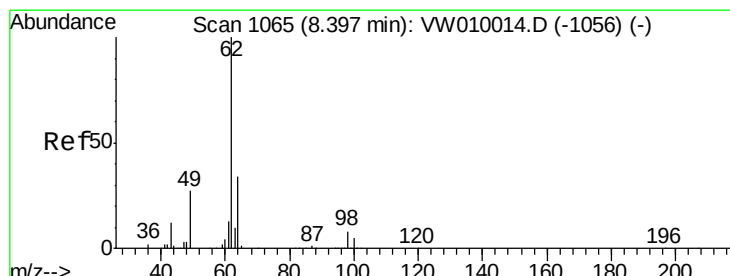
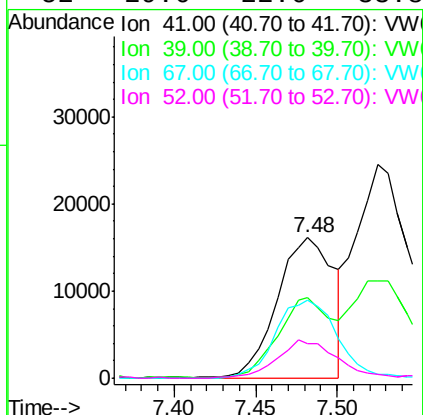
#41
Methacrylonitrile
Concen: 24.928 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tot Ion	41	Resp	38543
Ion Ratio	Lower	Upper	
41	100		
39	55.1	45.0	67.4
67	61.4	50.7	76.1
52	29.6	22.6	33.8

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

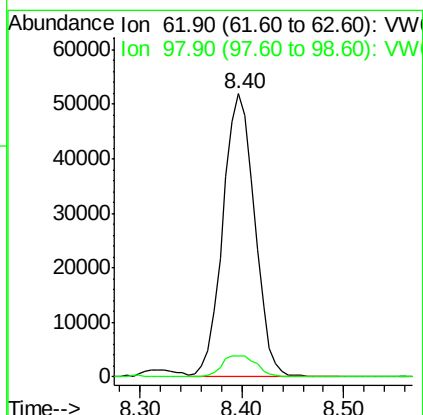
Manual Integrations
APPROVED

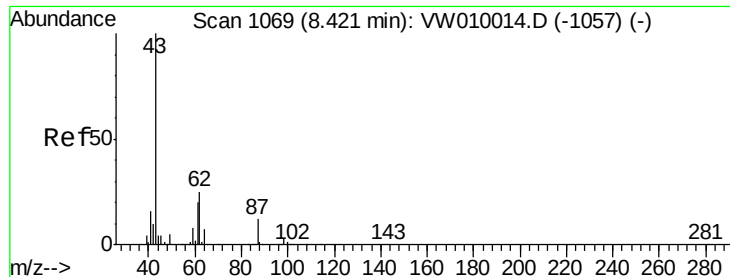
MMDadoda
4/18/2019 11:39:17 AM



#42
1,2-Dichloroethane
Concen: 22.394 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	62	Resp	112346
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.6





#43

Isopropyl Acetate

Concen: 24.300 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

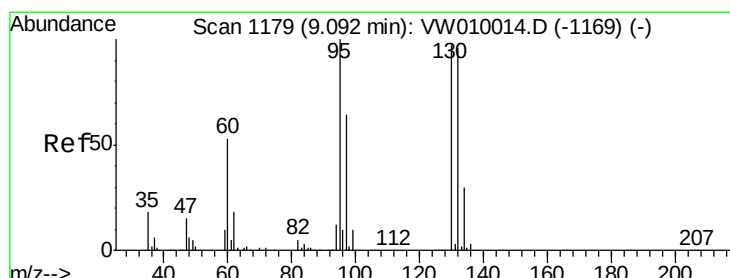
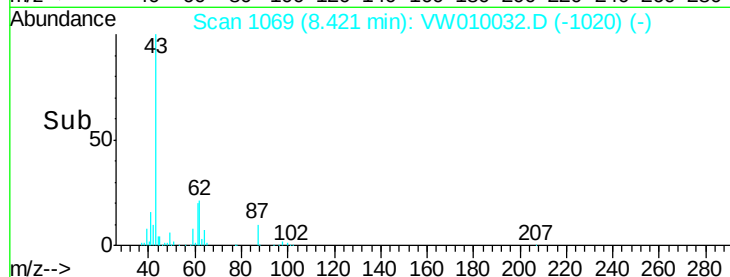
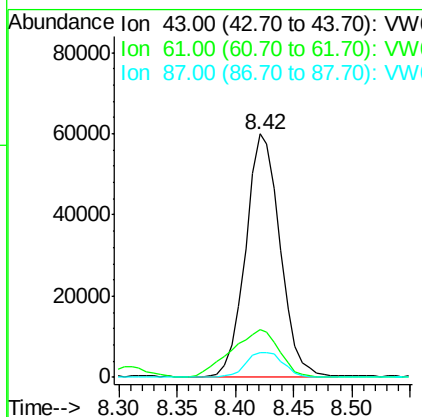
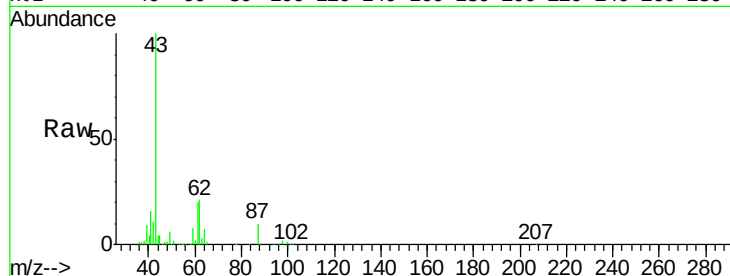
ClientSampleId :

VW0417SBS02

Tot Ion:	43	Resp:	123536
Ion	Ratio	Lower	Upper
43	100		
61	27.2	23.0	34.6
87	11.3	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#44

Trichloroethene

Concen: 19.549 ug/l

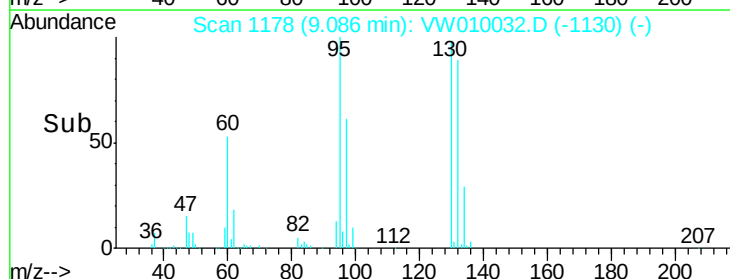
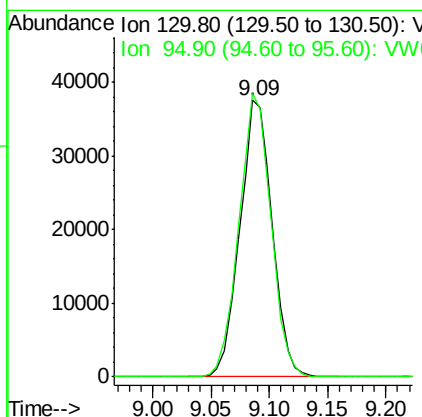
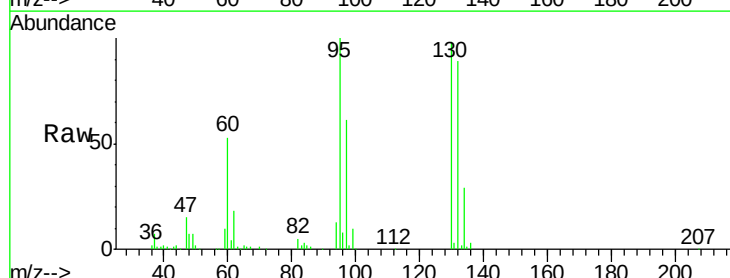
RT: 9.09 min Scan# 1178

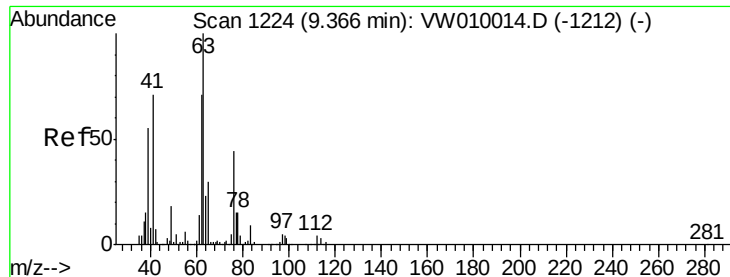
Delta R.T. -0.01 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	130	Resp:	72481
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	205.4





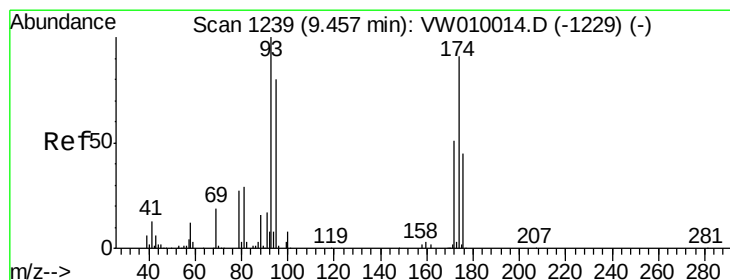
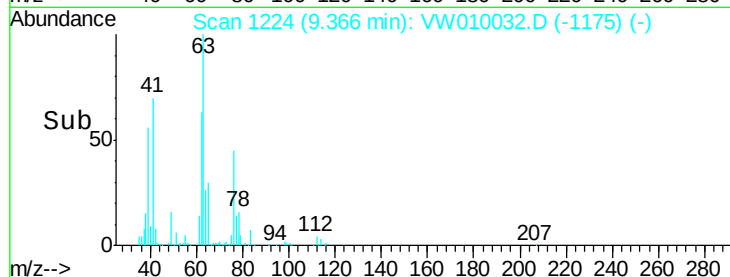
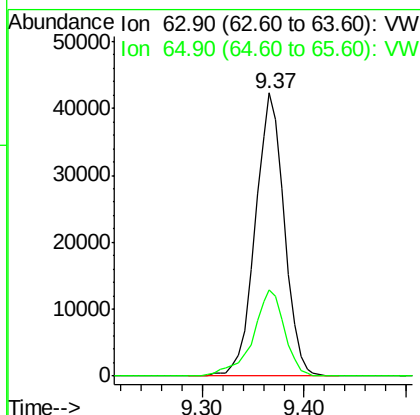
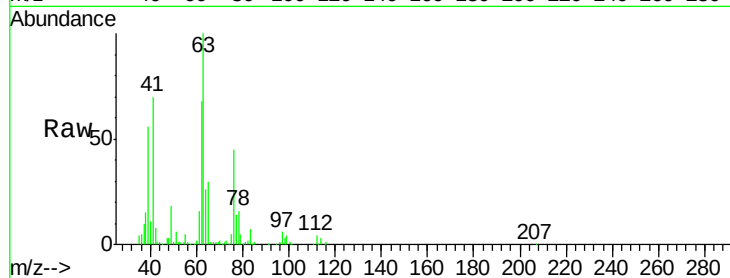
#45
 1,2-Dichloropropane
 Concen: 21.765 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.8	35.6

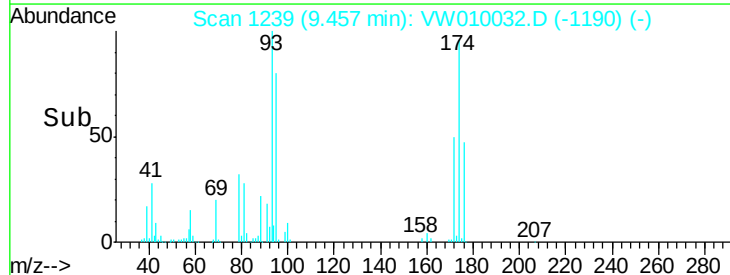
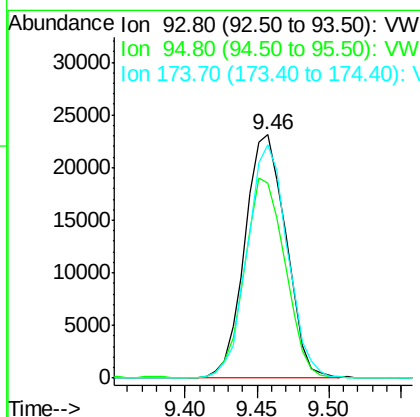
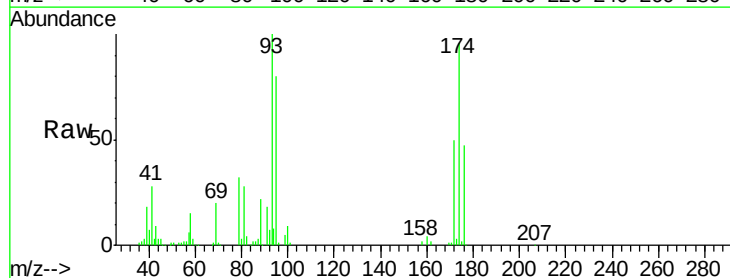
Manual Integrations
 APPROVED

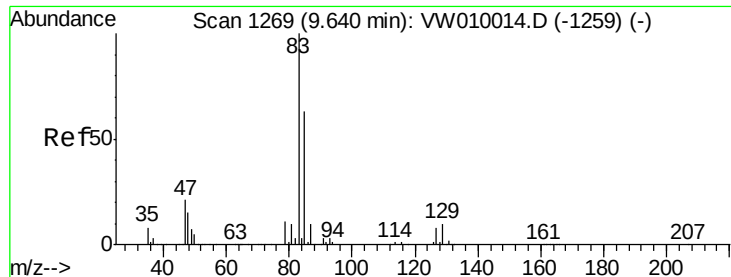
MMDadoda
 4/18/2019 11:39:17 AM



#46
 Dibromomethane
 Concen: 23.014 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.8	98.8
174	93.4	75.5	113.3





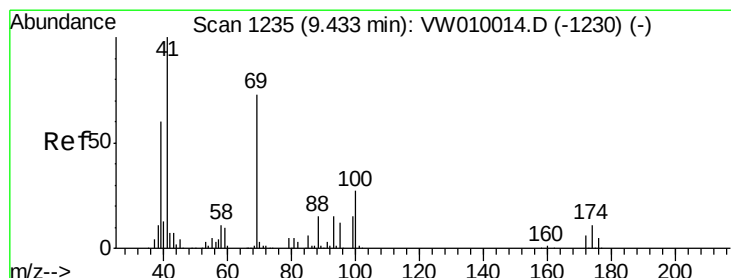
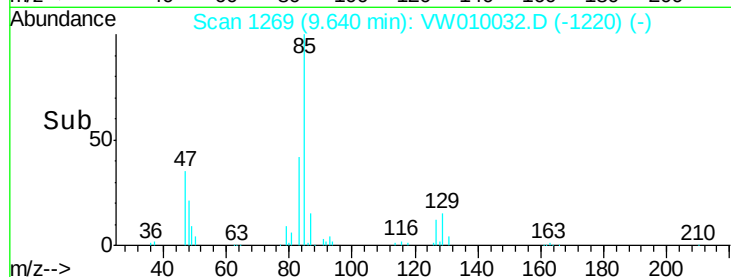
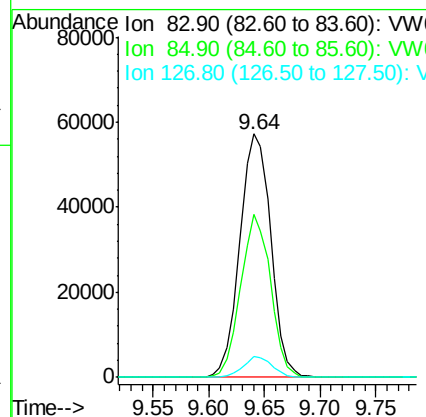
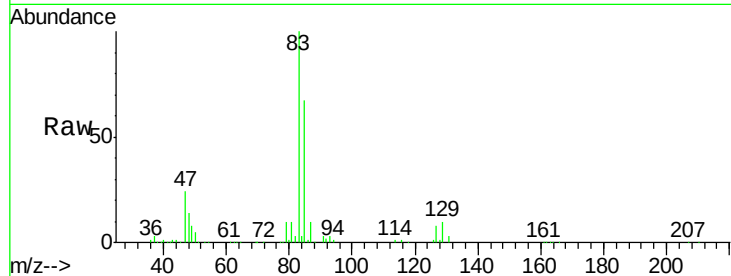
#47
Bromodichloromethane
Concen: 21.487 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	83	Resp	110307
Ion Ratio	100	Lower	Upper
85	67.0	50.6	75.8
127	8.3	6.6	10.0

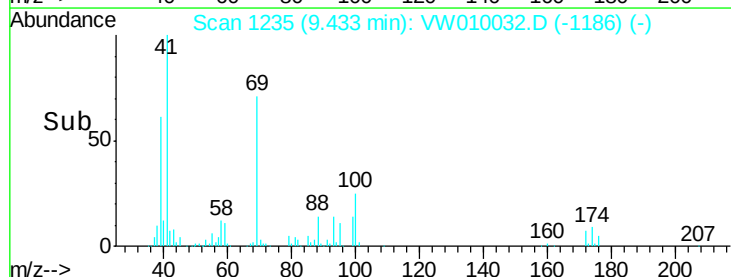
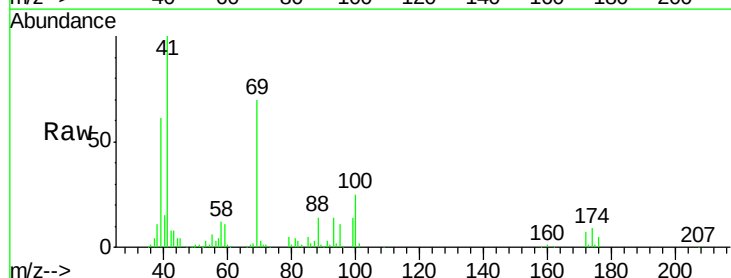
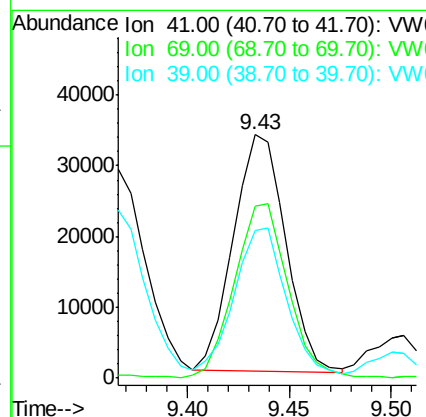
Manual Integrations
APPROVED

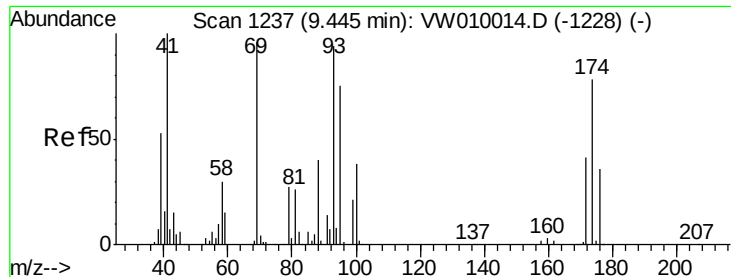
MMDadoda
4/18/2019 11:39:17 AM



#48
Methyl methacrylate
Concen: 23.923 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	41	Resp	59202
Ion Ratio	100	Lower	Upper
69	76.5	60.1	90.1
39	64.4	51.0	76.6





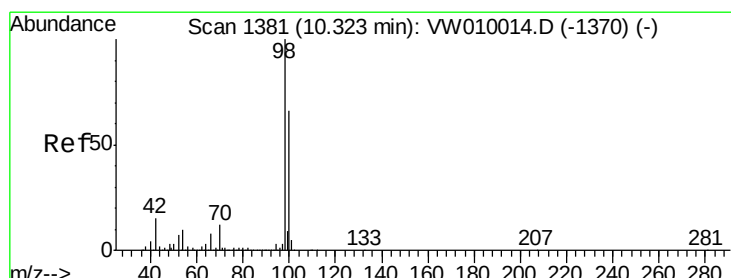
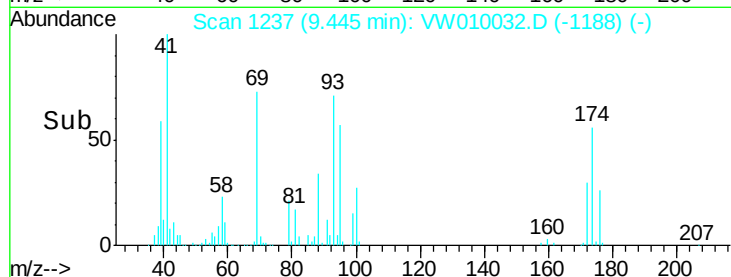
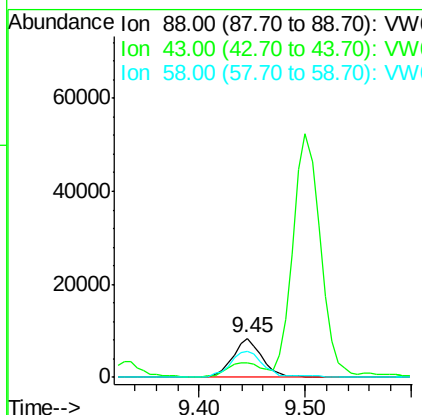
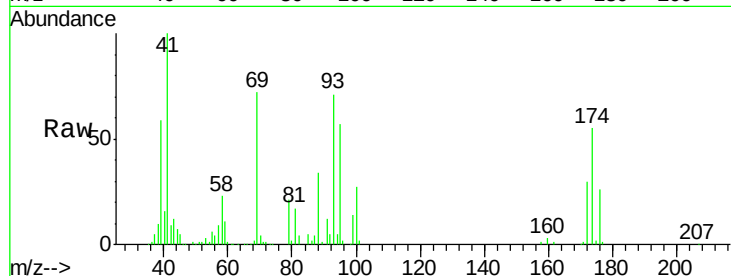
#49
1,4-Dioxane
Concen: 530.083 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	16108		
43	43.9		31.9	47.9
58	74.0		61.8	92.6

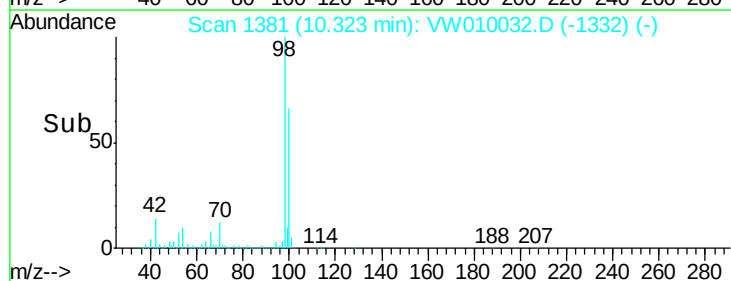
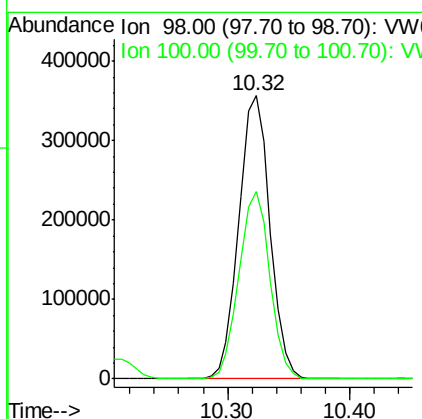
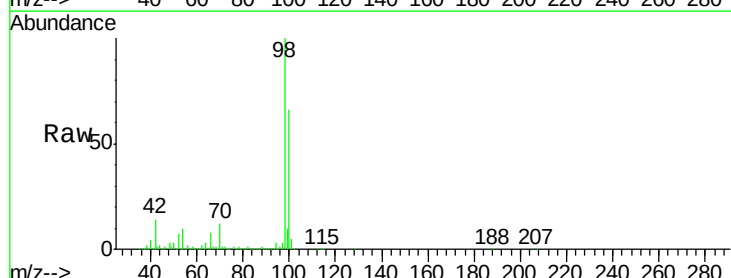
Manual Integrations
APPROVED

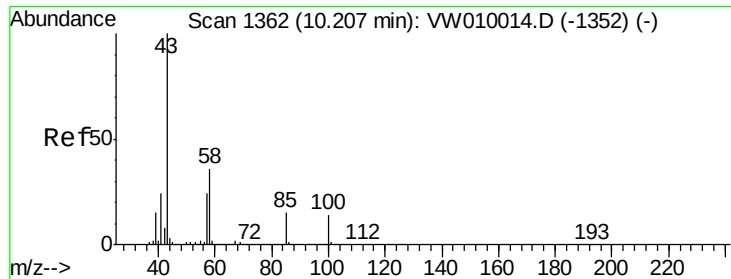
MMDadoda
4/18/2019 11:39:17 AM



#50
Toluene-d8
Concen: 50.523 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	629081		
100	65.8		52.3	78.5





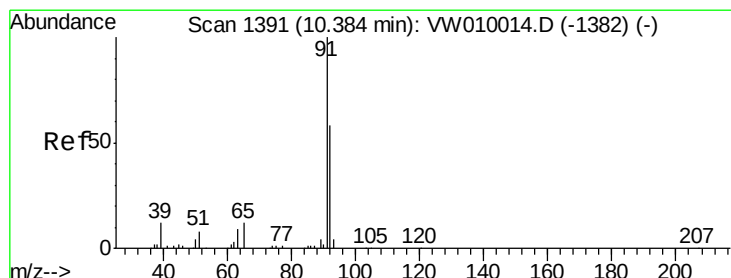
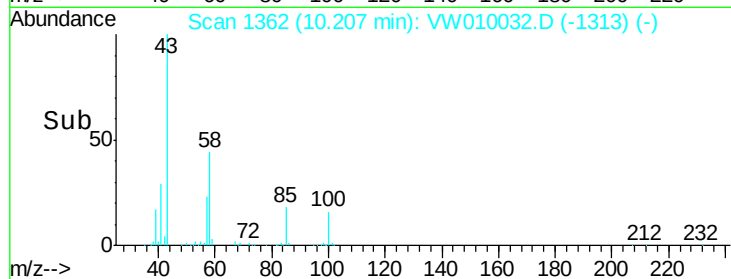
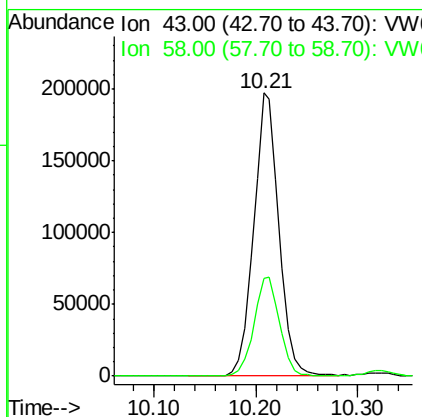
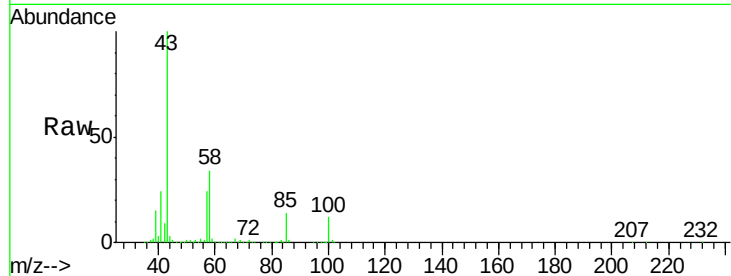
#51
 4-Methyl-2-Pentanone
 Concen: 127.621 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.9	43.3

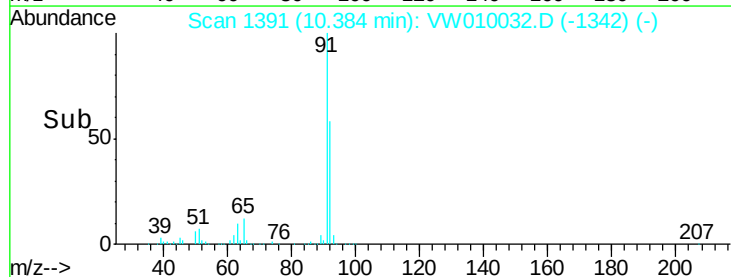
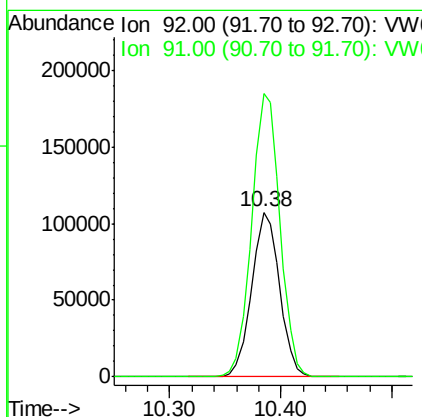
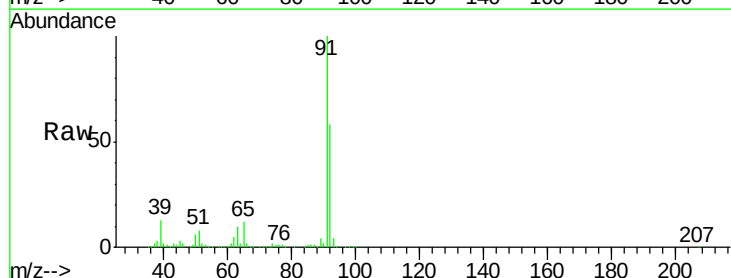
Manual Integrations
 APPROVED

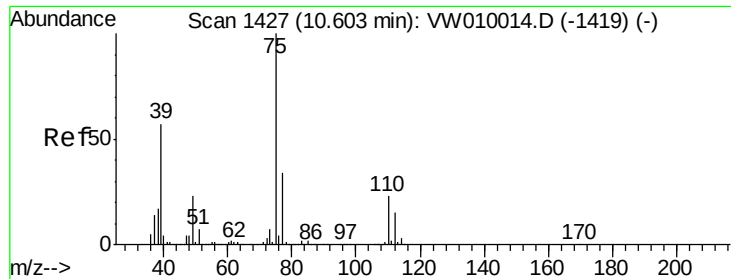
MMDadoda
 4/18/2019 11:39:17 AM



#52
 Toluene
 Concen: 20.536 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	138.5	207.7





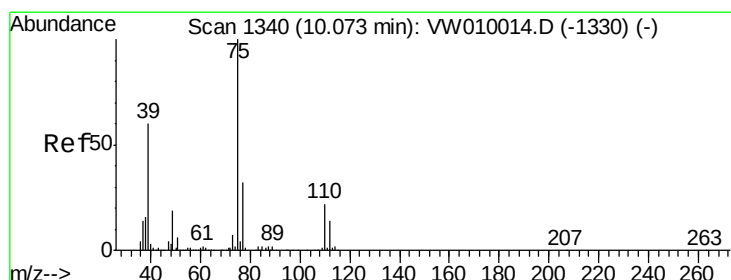
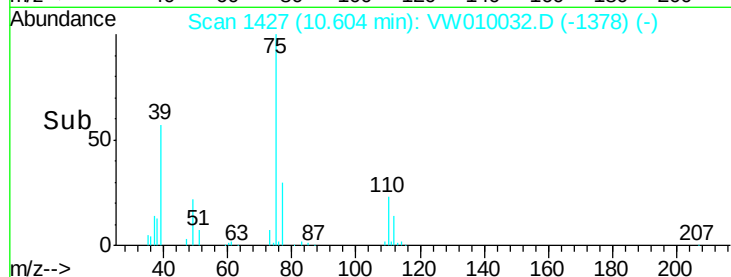
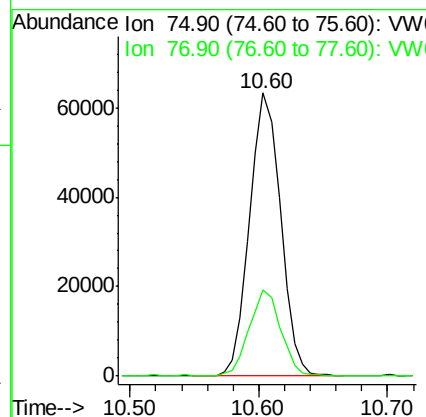
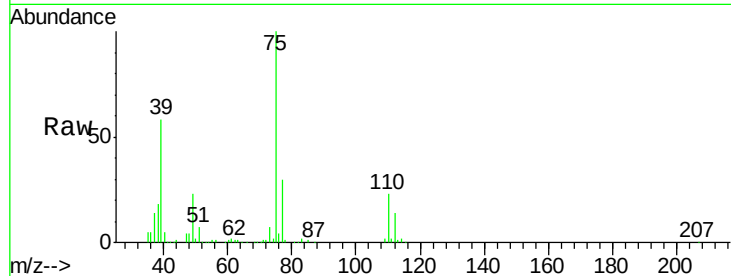
#53
 t-1,3-Dichloropropene
 Concen: 20.738 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.9	40.3

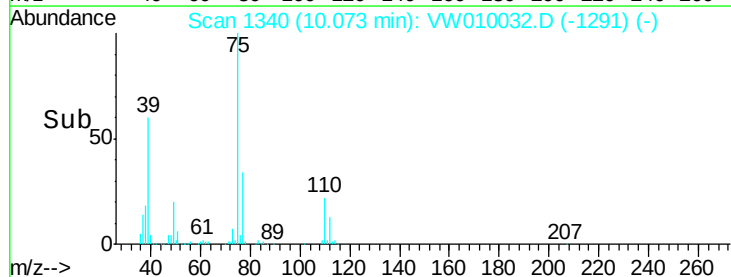
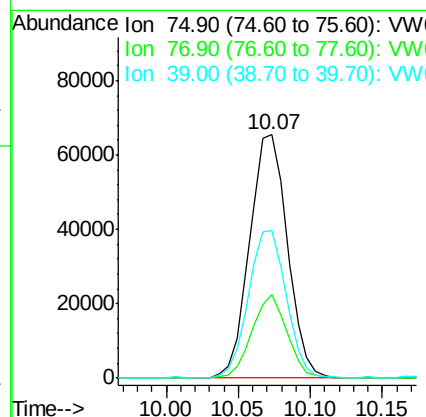
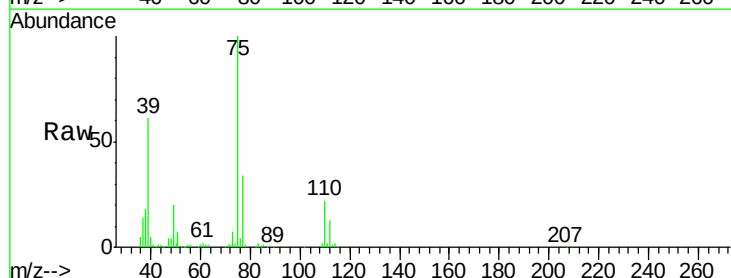
Manual Integrations
 APPROVED

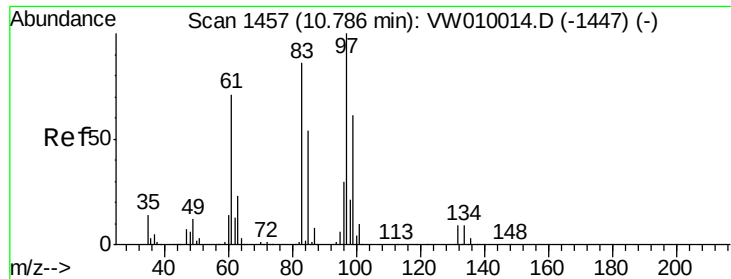
MMDadoda
 4/18/2019 11:39:17 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.430 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.6	38.4
39	60.4	47.8	71.6





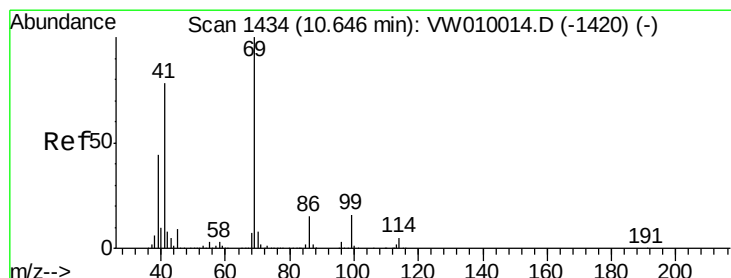
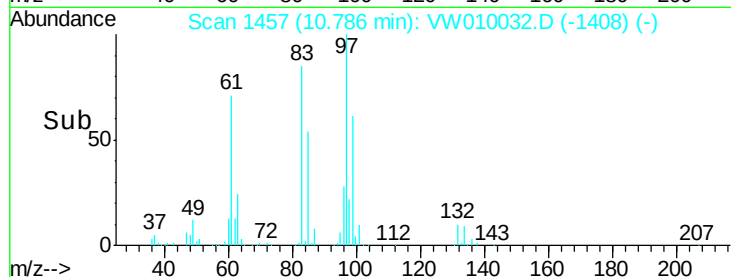
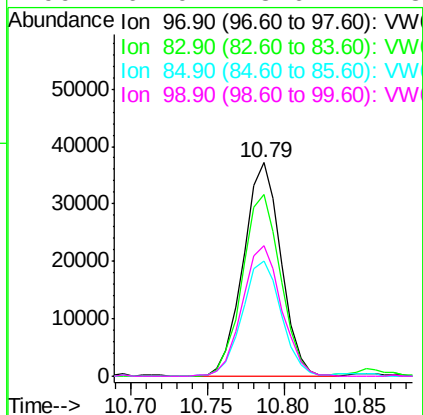
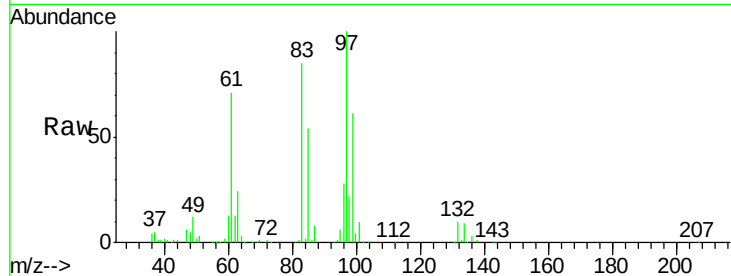
#55
 1,1,2-Trichloroethane
 Concen: 22.928 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion:	97	Resp:	63643
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.9	103.3
85	53.5	42.9	64.3
99	61.0	48.6	72.8

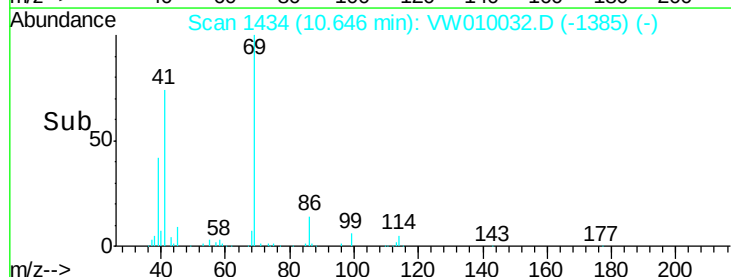
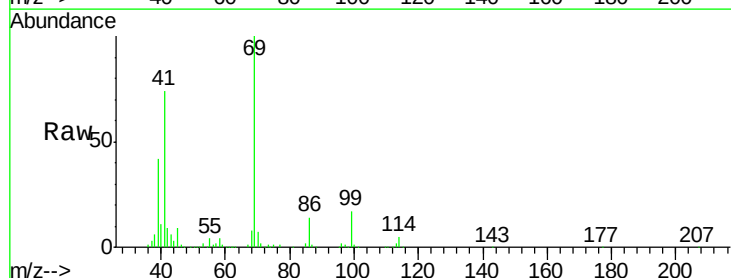
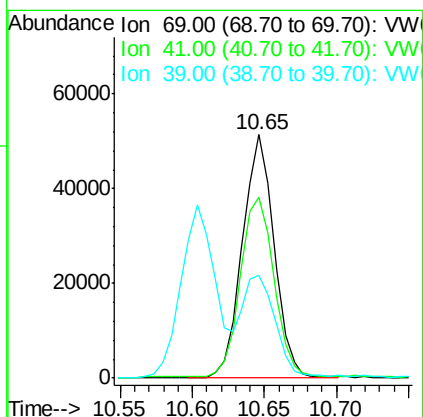
Manual Integrations
 APPROVED

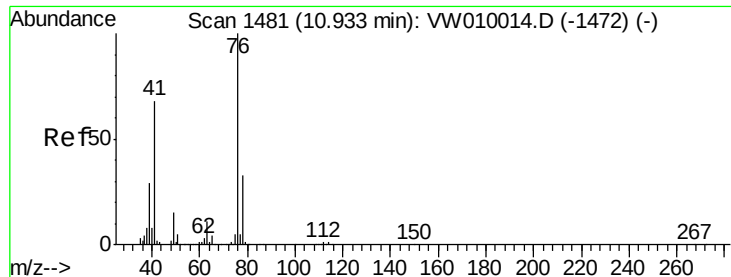
MMDadoda
 4/18/2019 11:39:17 AM



#56
 Ethyl methacrylate
 Concen: 21.951 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion:	69	Resp:	78579
Ion	Ratio	Lower	Upper
69	100		
41	77.9	61.0	91.6
39	42.4	33.8	50.6





#57

1,3-Dichloropropane

Concen: 22.538 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 76 Resp: 112132

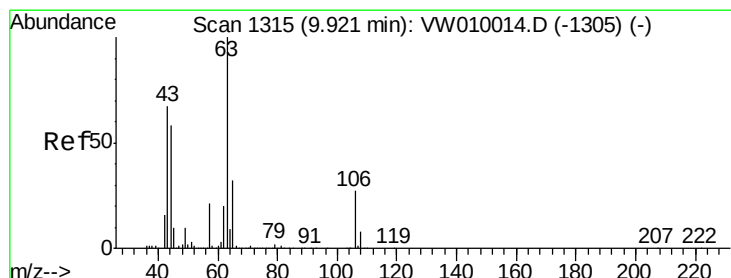
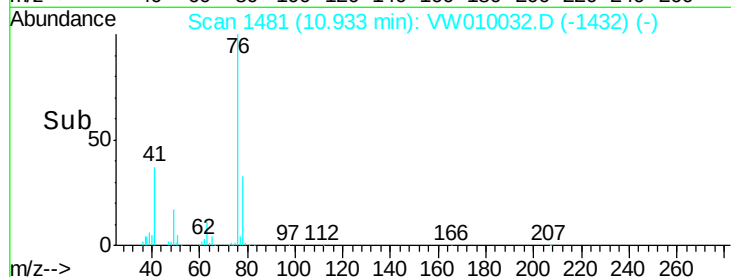
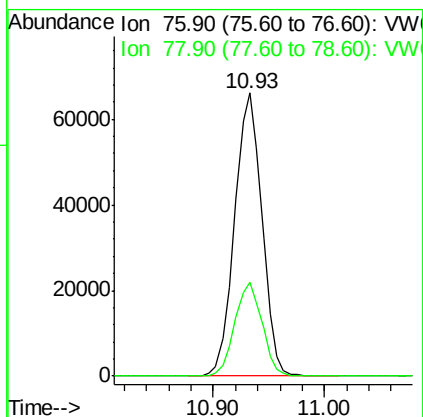
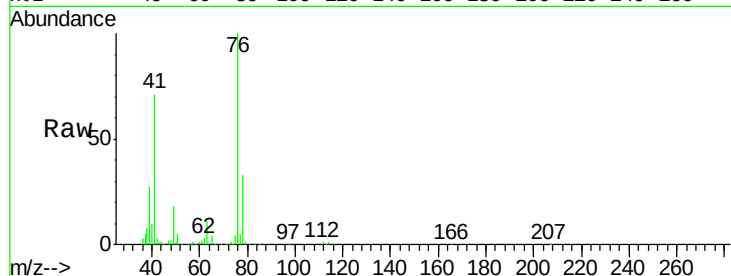
Ion Ratio Lower Upper

76 100

78 33.2 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 140.253 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010032.D

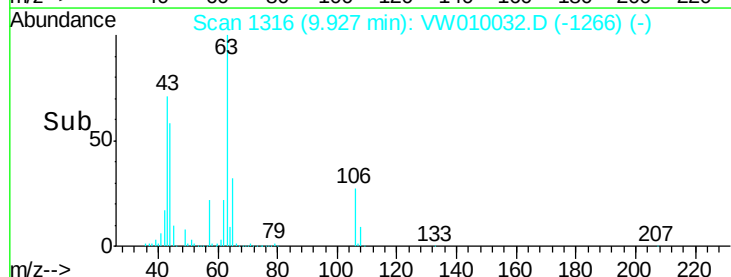
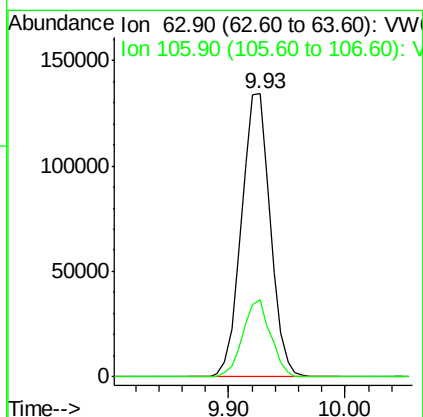
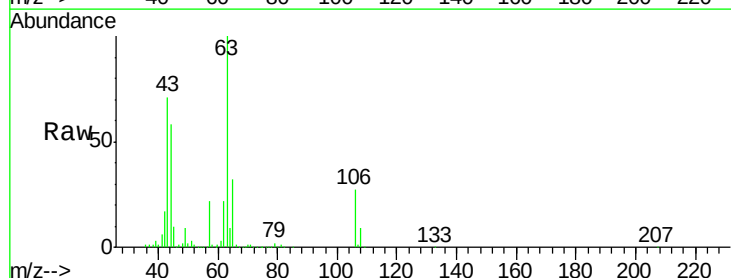
Acq: 18 Apr 2019 01:47

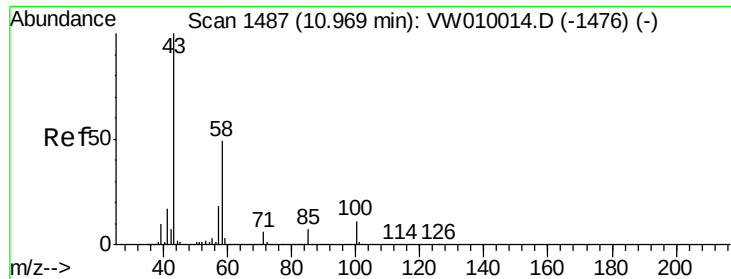
Tgt Ion: 63 Resp: 232628

Ion Ratio Lower Upper

63 100

106 26.2 21.4 32.0





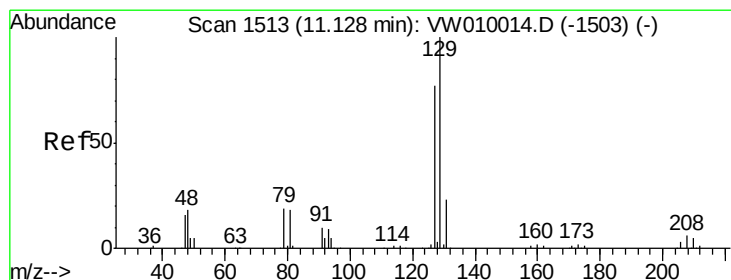
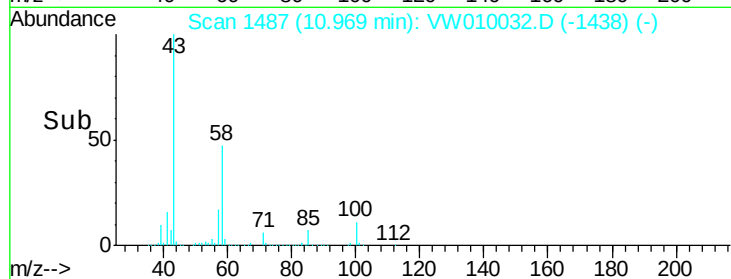
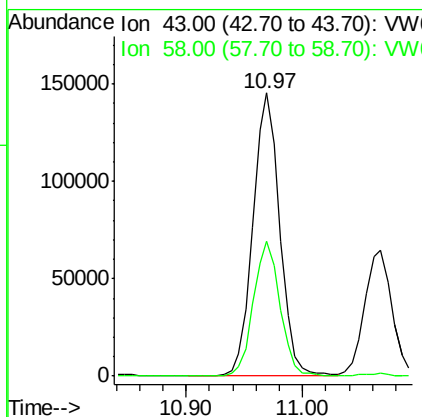
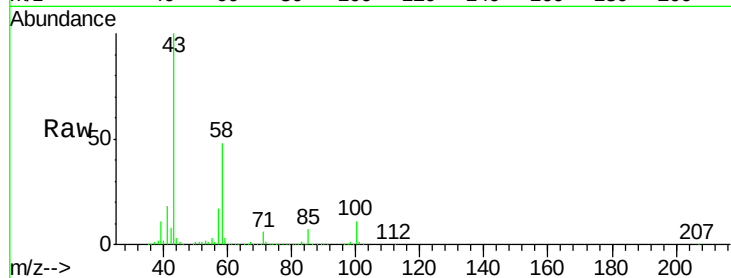
#59
2-Hexanone
Concen: 126.278 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion: 43 Resp: 234055
Ion Ratio Lower Upper
43 100
58 47.3 24.9 74.7

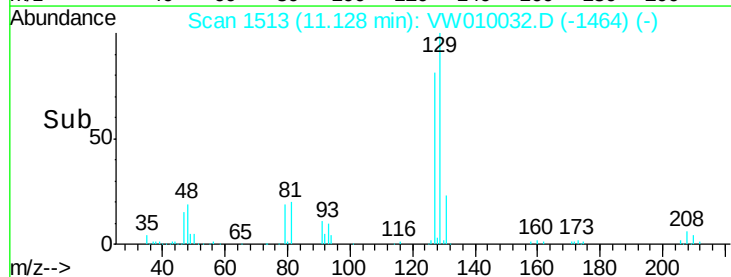
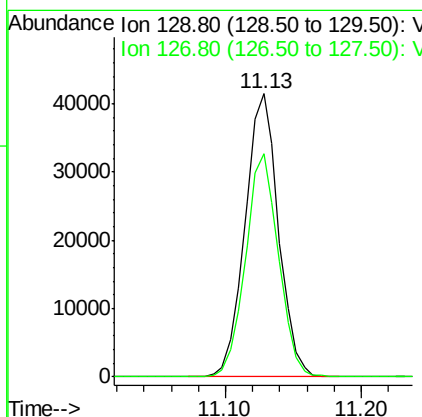
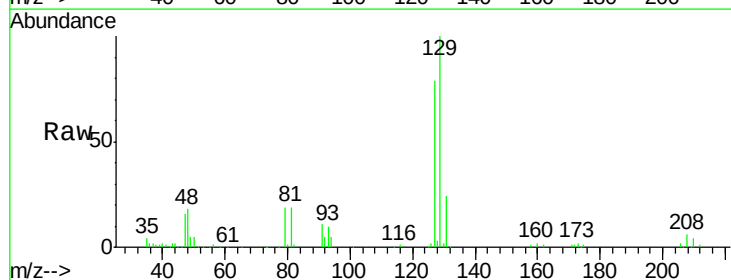
Manual Integrations
APPROVED

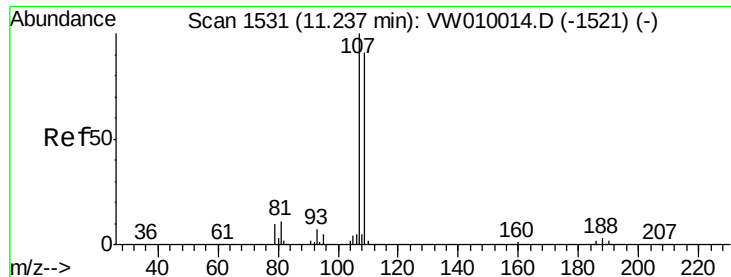
MMDadoda
4/18/2019 11:39:17 AM



#60
Dibromochloromethane
Concen: 22.132 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion: 129 Resp: 71004
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





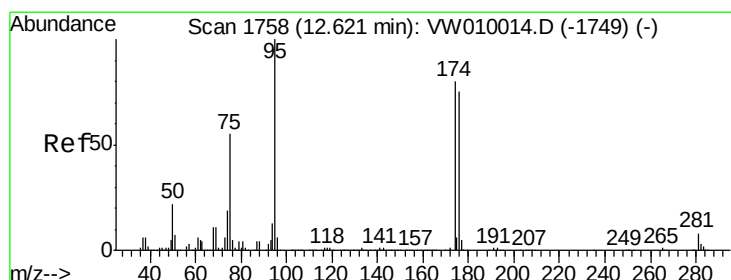
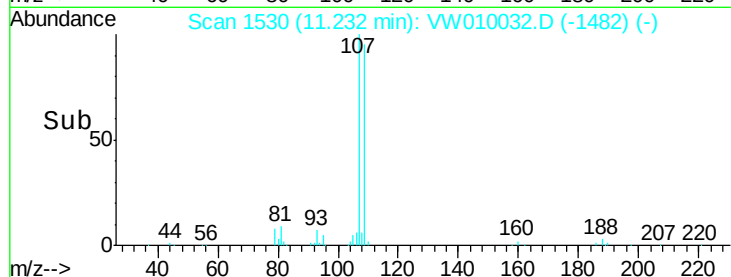
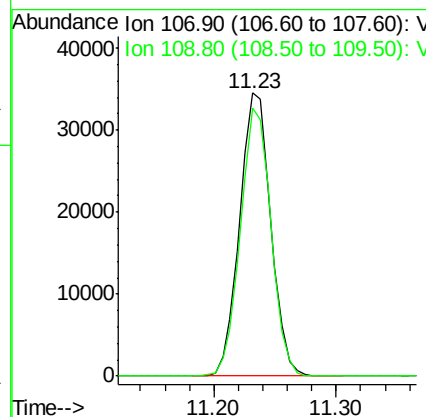
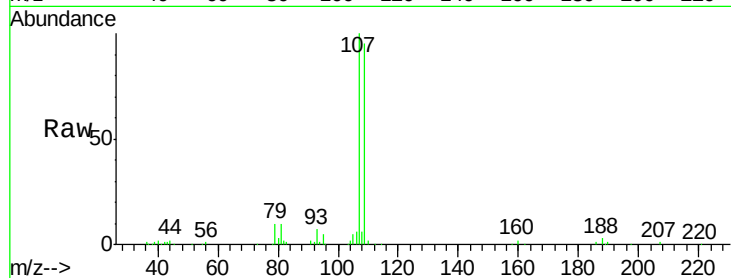
#61
 1,2-Dibromoethane
 Concen: 22.982 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	73.6	110.4

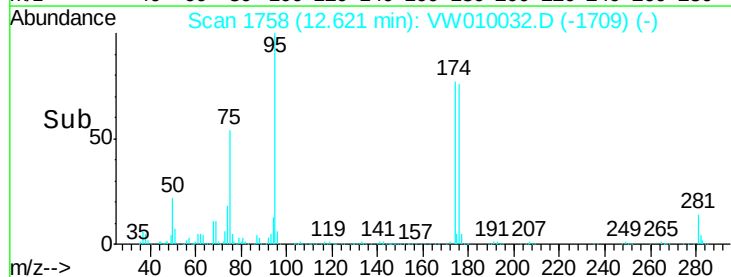
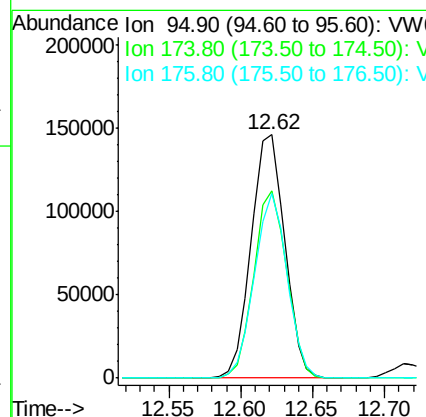
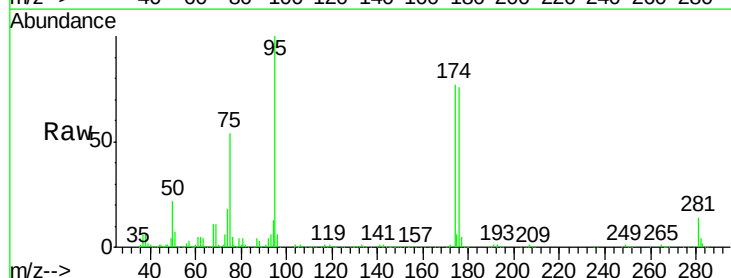
Manual Integrations
 APPROVED

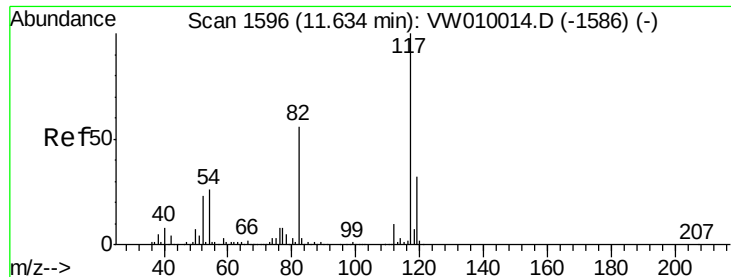
MMDadoda
 4/18/2019 11:39:17 AM



#62
 4-Bromofluorobenzene
 Concen: 52.057 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	151.4
176	73.5	0.0	146.2





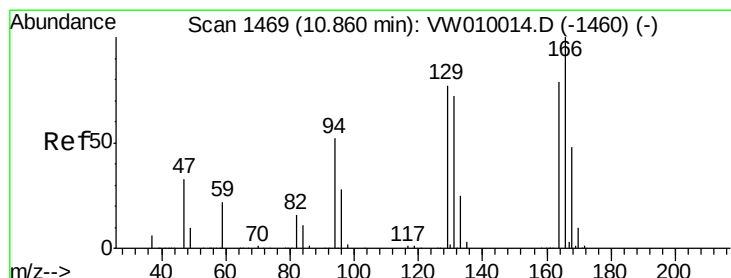
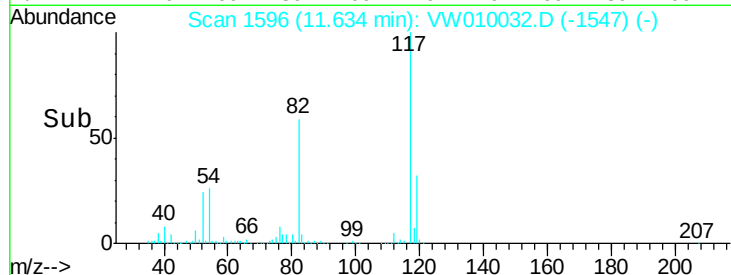
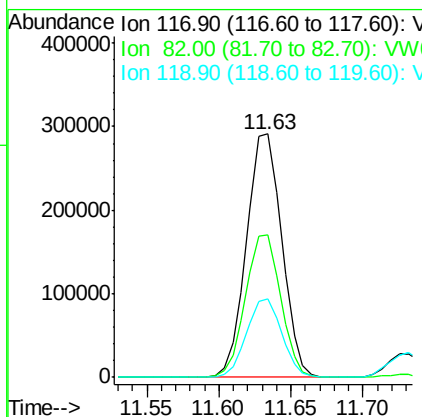
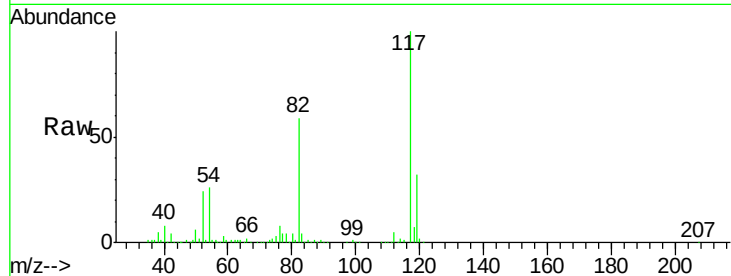
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	494777		
82	58.8		45.2	67.8
119	32.0		25.4	38.2

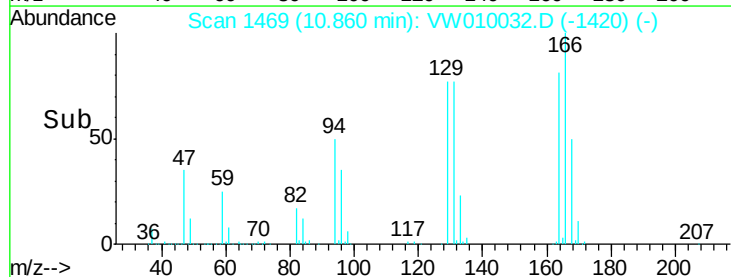
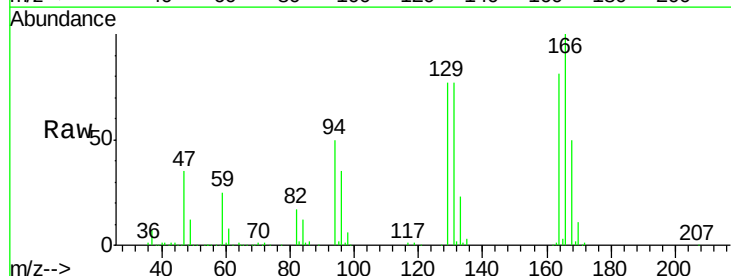
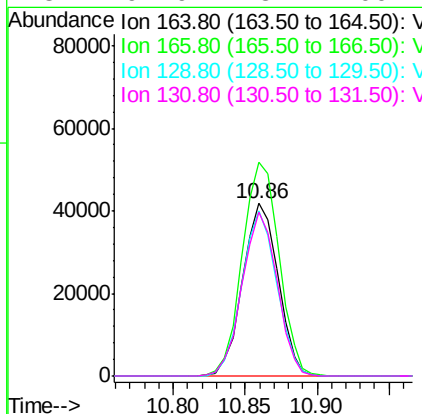
Manual Integrations
APPROVED

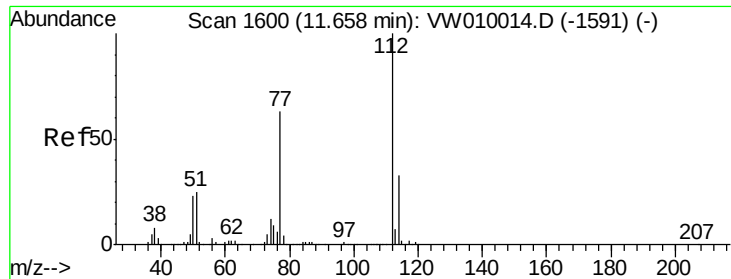
MMDadoda
4/18/2019 11:39:17 AM



#64
Tetrachloroethene
Concen: 22.172 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71214		
166	124.0		101.2	151.8
129	95.6		77.8	116.6
131	94.9		73.1	109.7





#65

Chlorobenzene

Concen: 20.305 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion:112 Resp: 205620

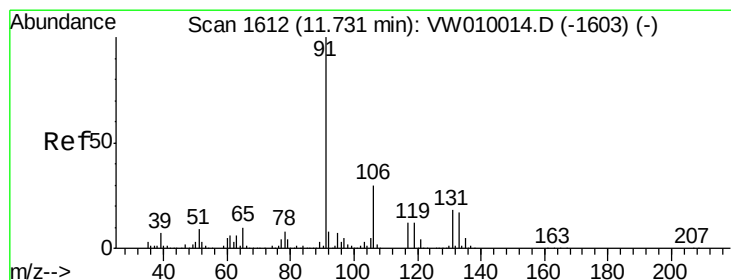
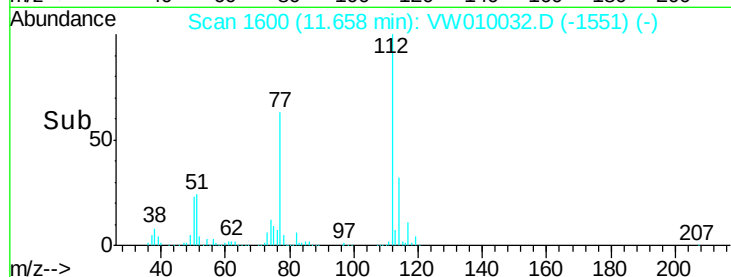
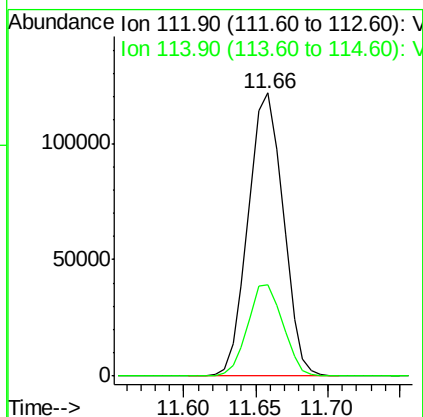
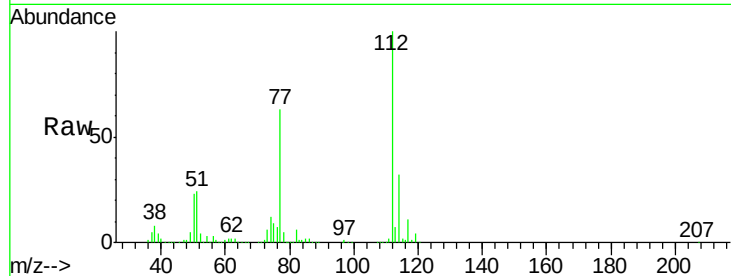
Ion Ratio Lower Upper

112 100

114 32.4 26.5 39.7

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.801 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

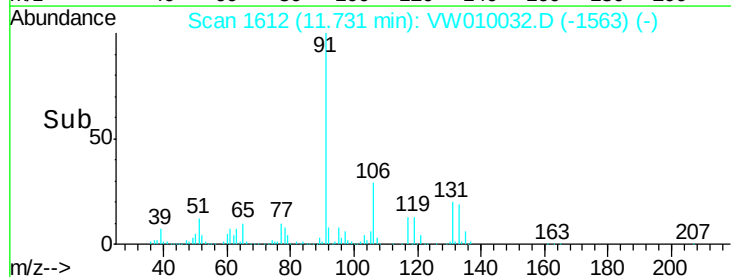
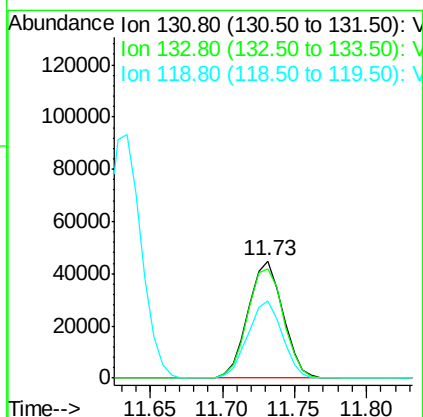
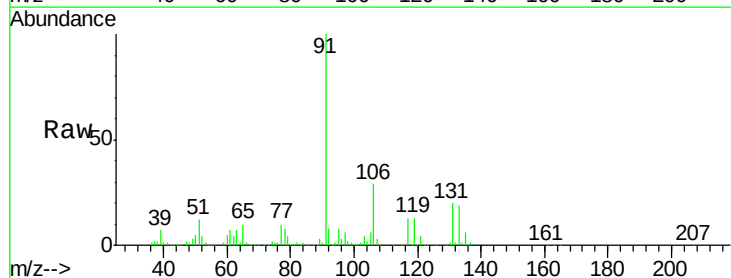
Tgt Ion:131 Resp: 75330

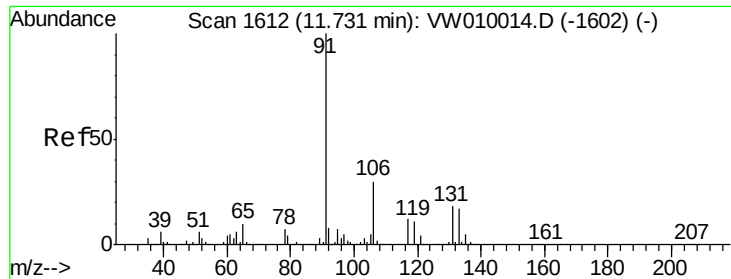
Ion Ratio Lower Upper

131 100

133 96.2 46.5 139.5

119 64.7 31.9 95.5





#67

Ethyl Benzene

Concen: 19.332 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampled :

VW0417SBS02

Tot Ion: 91 Resp: 349293

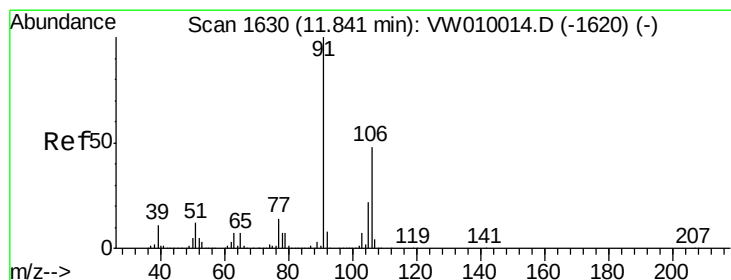
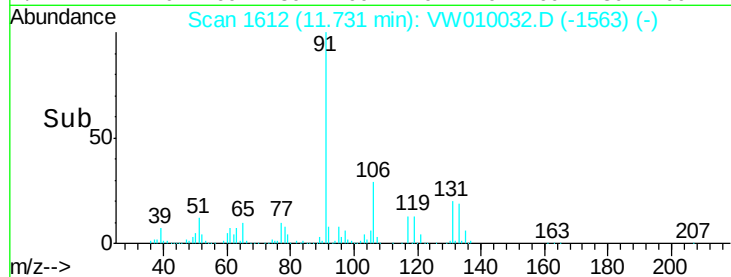
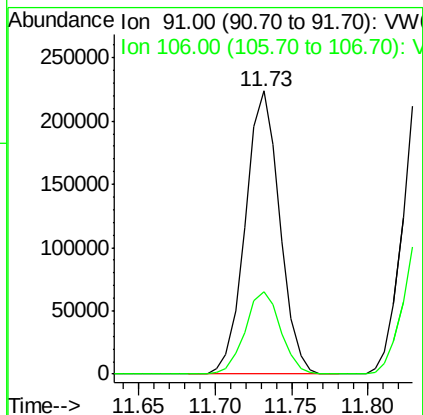
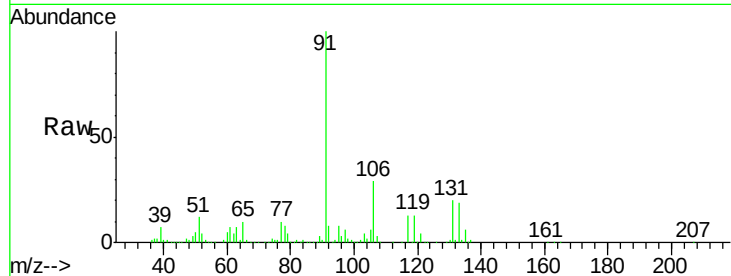
Ion Ratio Lower Upper

91 100

106 29.2 23.8 35.8

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#68

m/p-Xylenes

Concen: 39.881 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010032.D

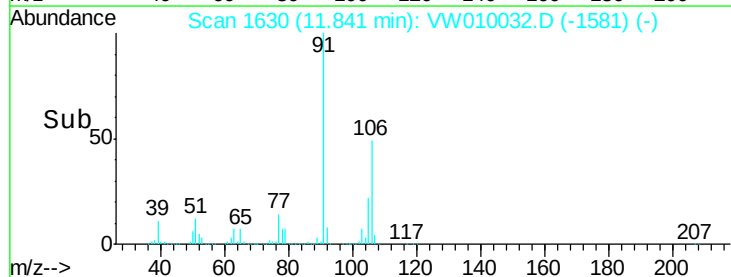
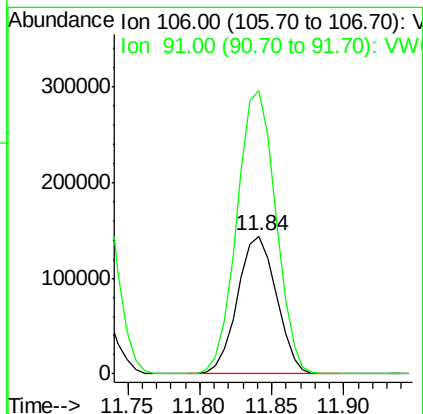
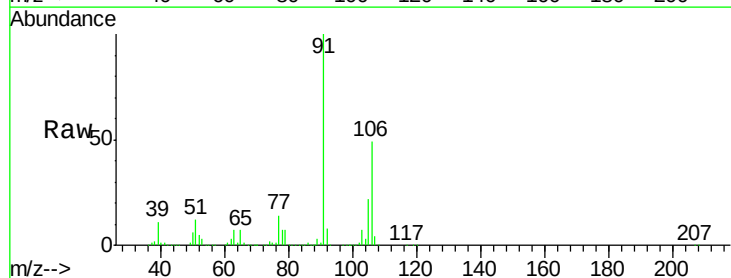
Acq: 18 Apr 2019 01:47

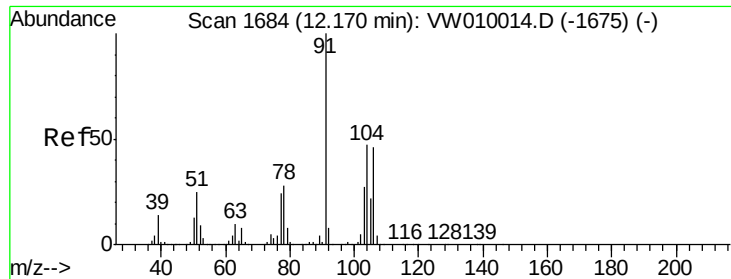
Tgt Ion: 106 Resp: 269349

Ion Ratio Lower Upper

106 100

91 206.2 165.0 247.6





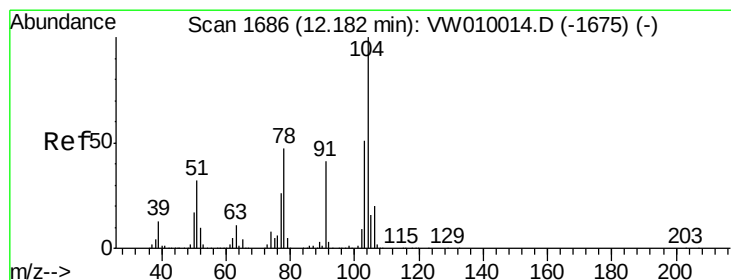
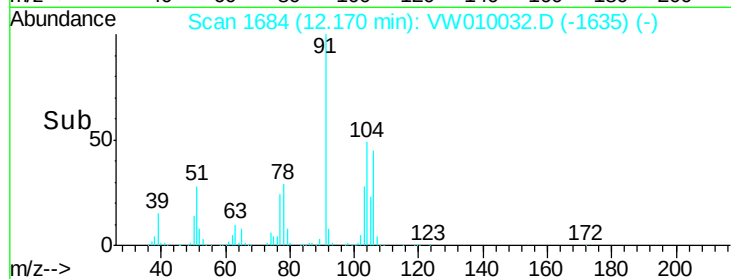
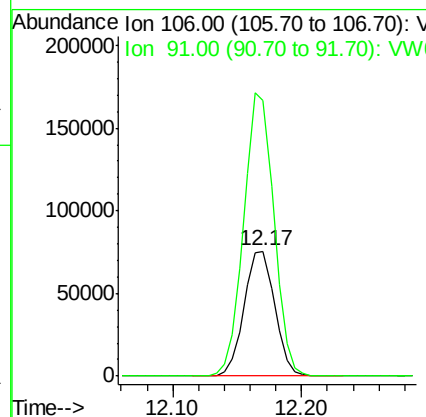
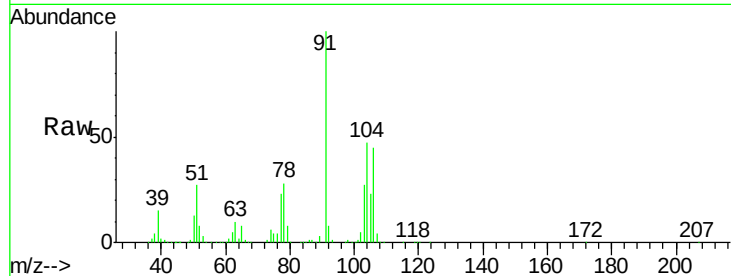
#69
o-Xylene
Concen: 20.249 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	124523		
91	223.1	110.5	331.4	

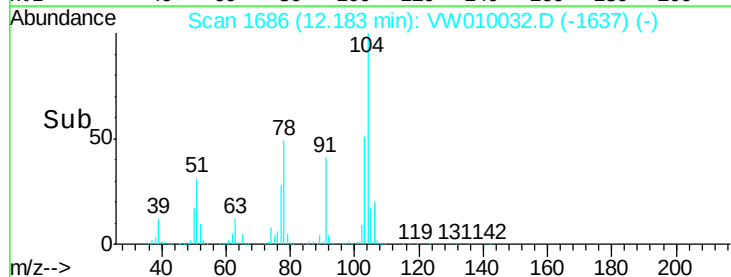
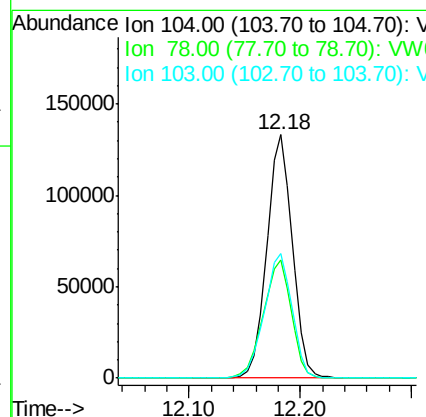
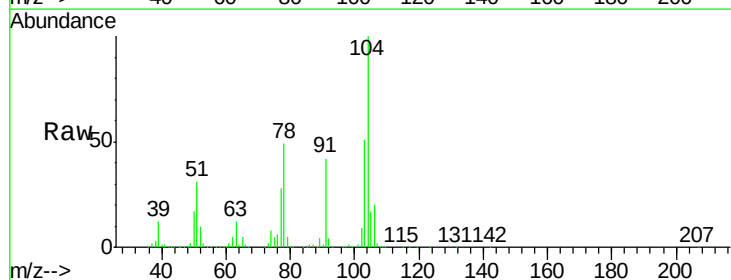
Manual Integrations
APPROVED

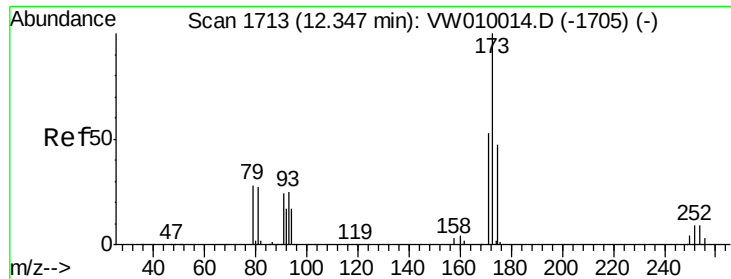
MMDadoda
4/18/2019 11:39:17 AM



#70
Styrene
Concen: 20.144 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	213591		
78	53.6	42.5	63.7	
103	55.6	43.6	65.4	





#71

Bromoform

Concen: 22.340 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion:173 Resp: 42779

Ion Ratio Lower Upper

173 100

175 47.4 23.8 71.4

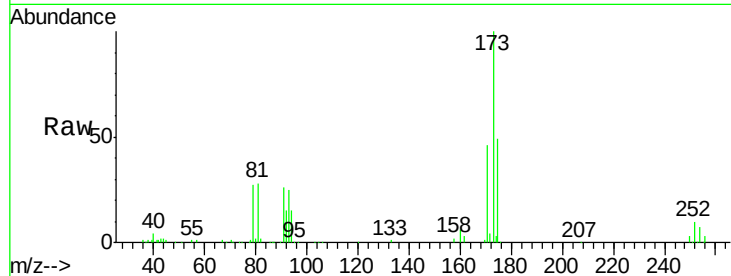
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

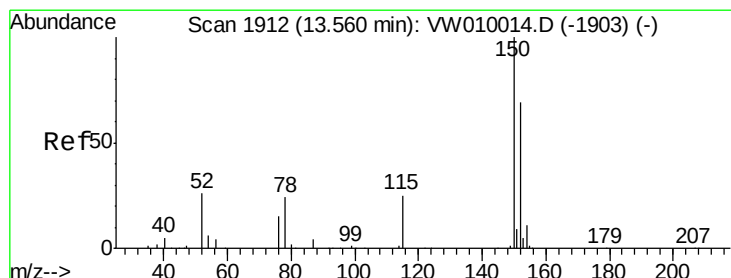
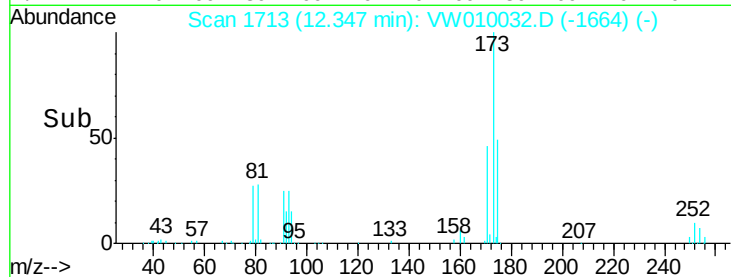
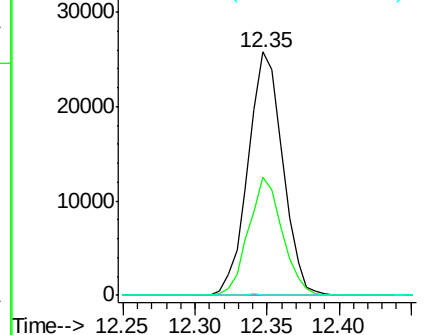
4/18/2019 11:39:17 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

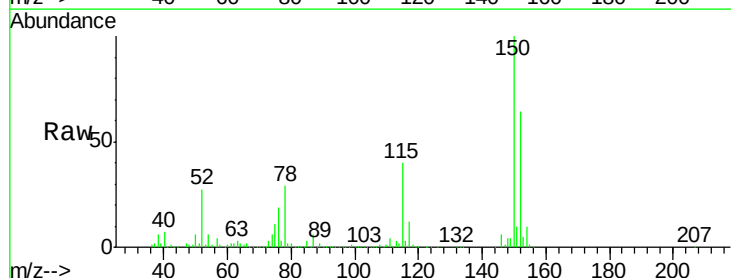
Tgt Ion:152 Resp: 254005

Ion Ratio Lower Upper

152 100

115 60.3 30.4 91.2

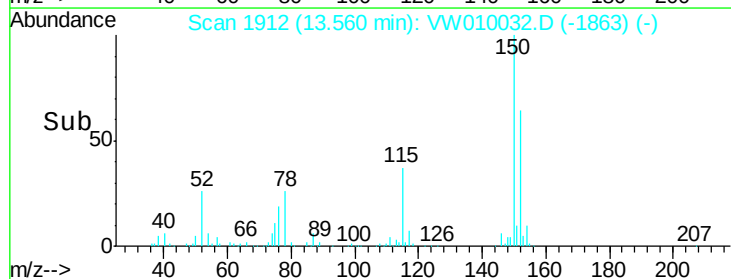
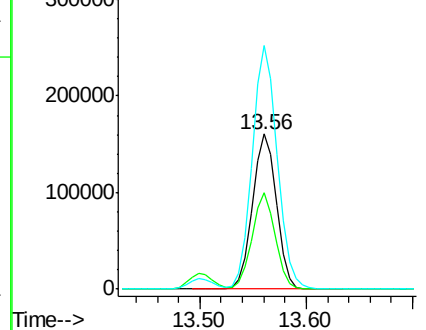
150 163.7 0.0 347.0

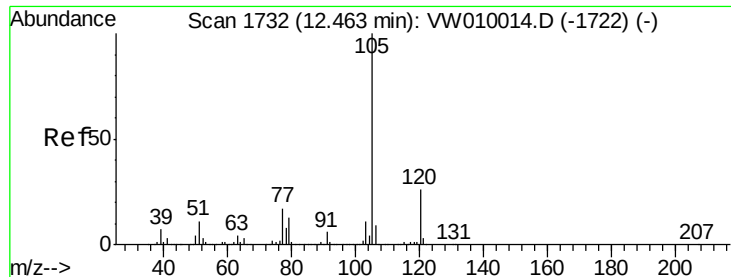


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.188 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion: 105 Resp: 339209

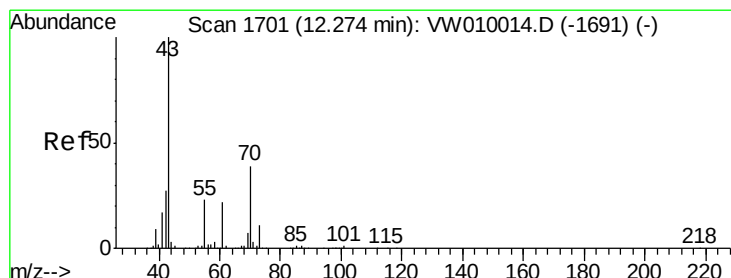
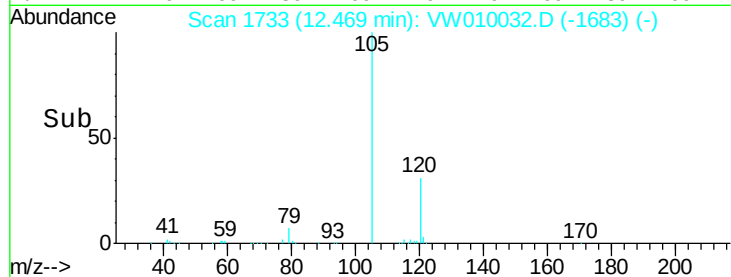
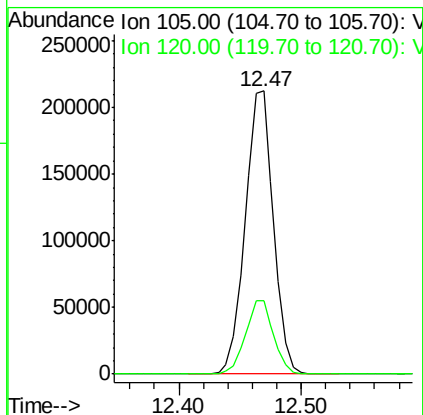
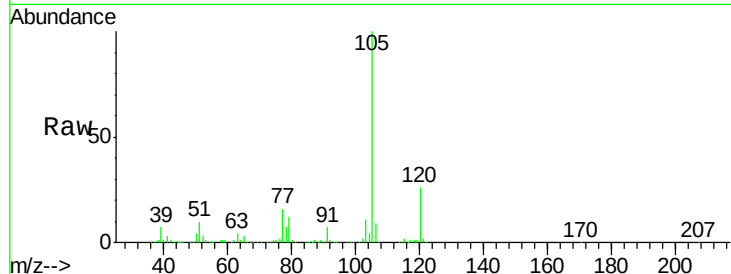
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#74

N-ethyl acetate

Concen: 22.664 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion: 43 Resp: 110955

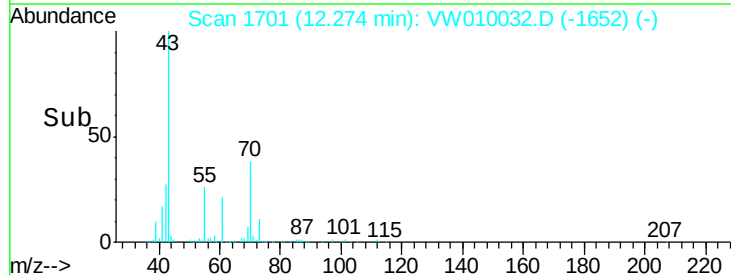
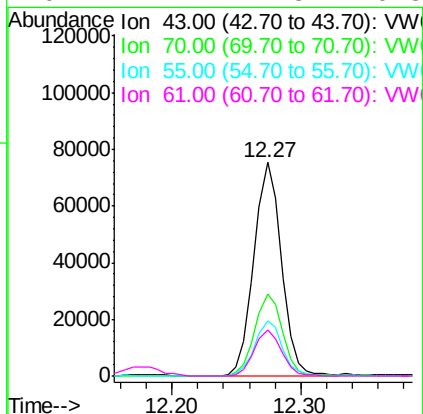
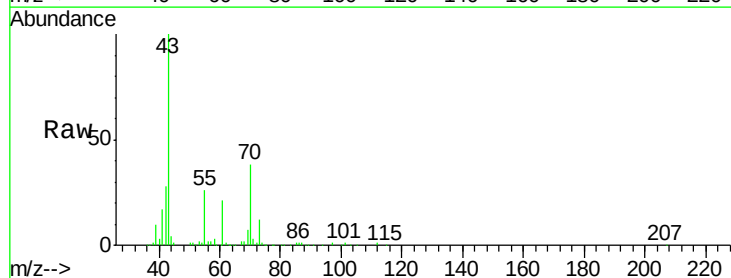
Ion Ratio Lower Upper

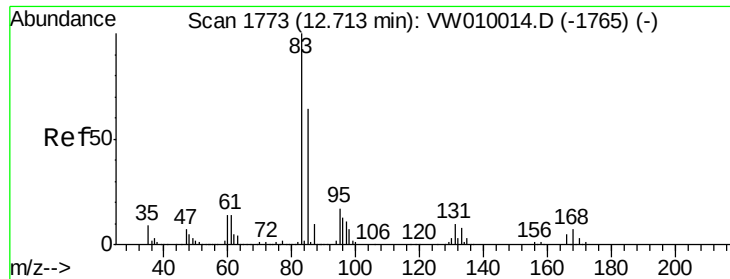
43 100

70 39.0 31.3 46.9

55 26.0 20.0 30.0

61 21.4 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.597 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

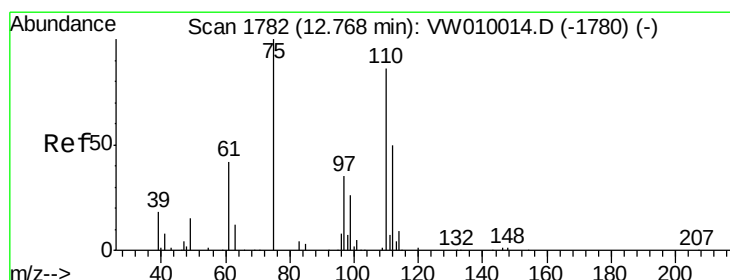
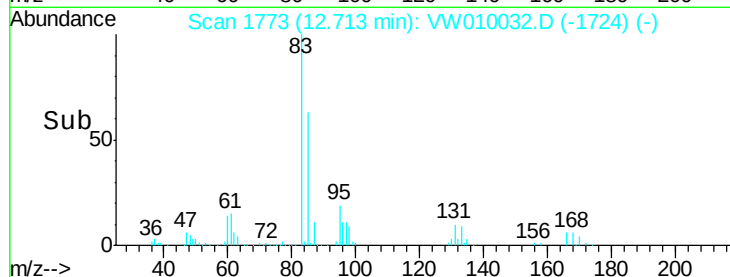
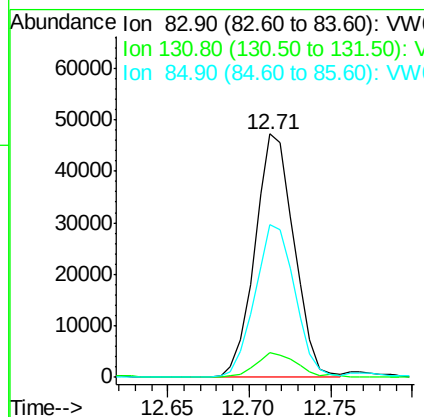
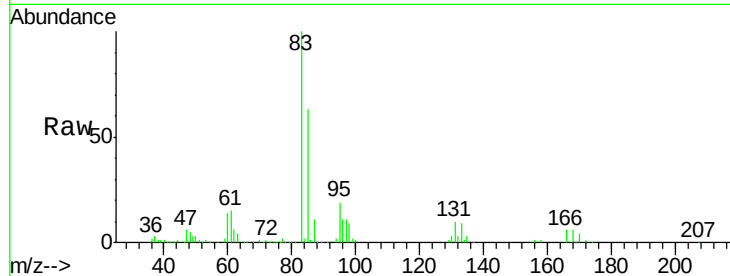
ClientSampleId :

VW0417SBS02

Tot Ion:	83	Resp:	78924
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.8
85	64.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#76

1,2,3-Trichloropropane

Concen: 23.324 ug/l m

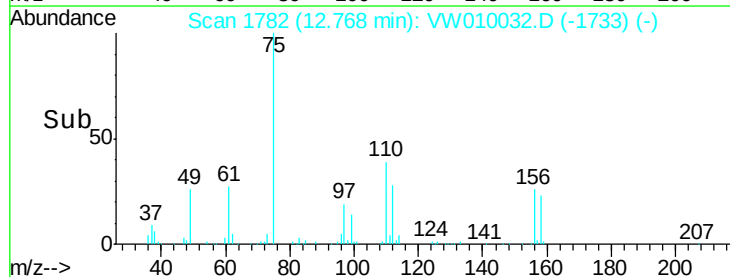
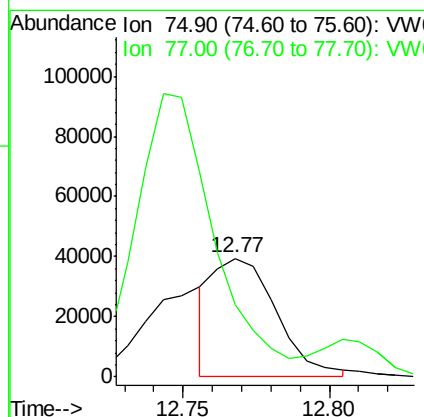
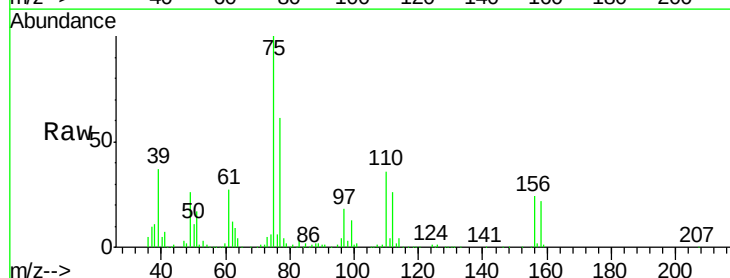
RT: 12.77 min Scan# 1782

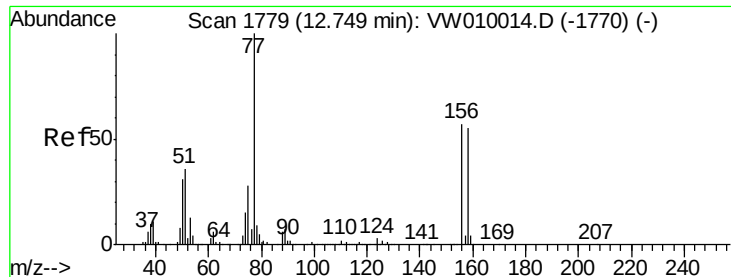
Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	75	Resp:	59294
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





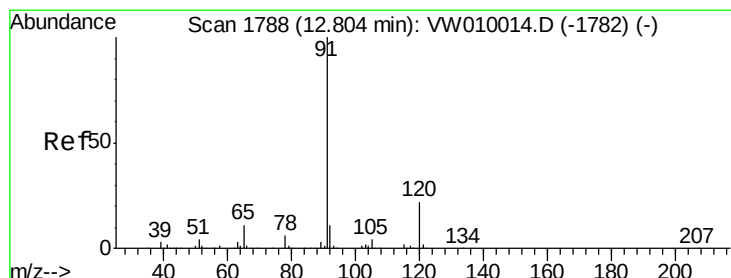
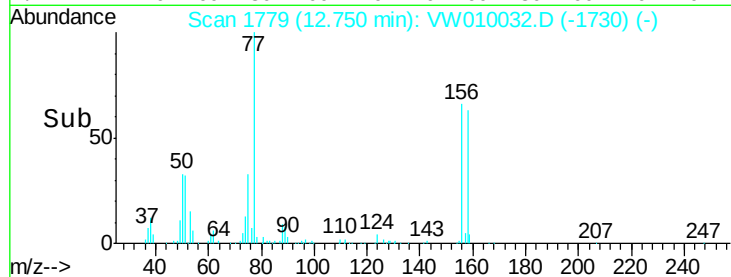
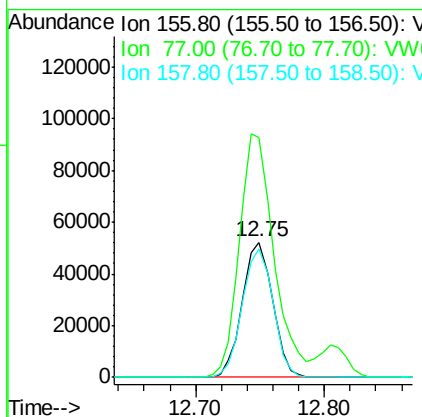
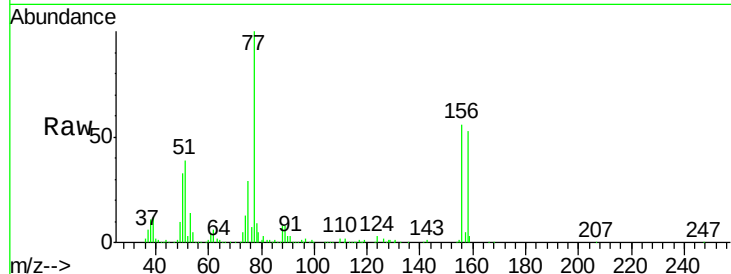
#77
Bromobenzene
Concen: 21.063 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.7	102.5	307.4
158	95.8	48.8	146.4

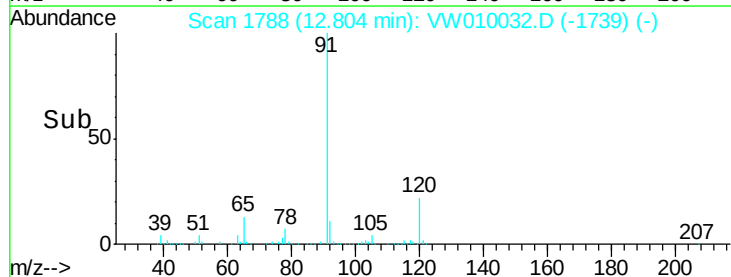
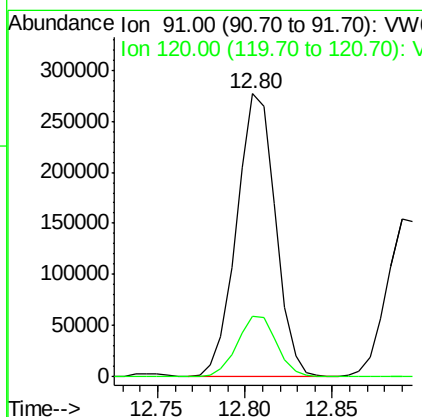
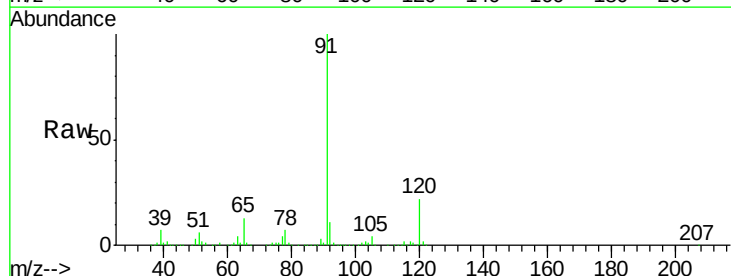
Manual Integrations
APPROVED

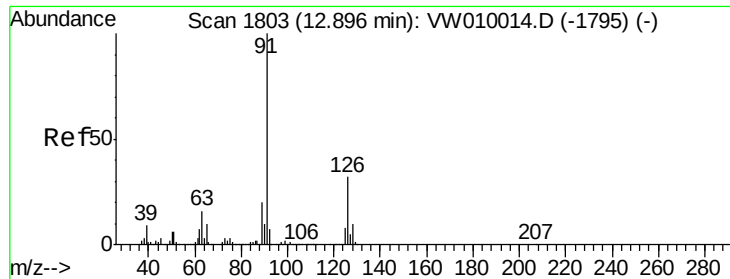
MMDadoda
4/18/2019 11:39:17 AM



#78
n-propylbenzene
Concen: 19.473 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





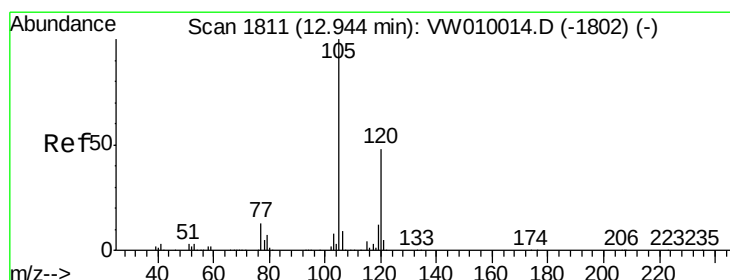
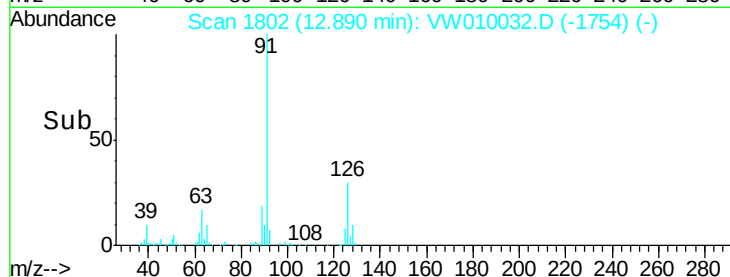
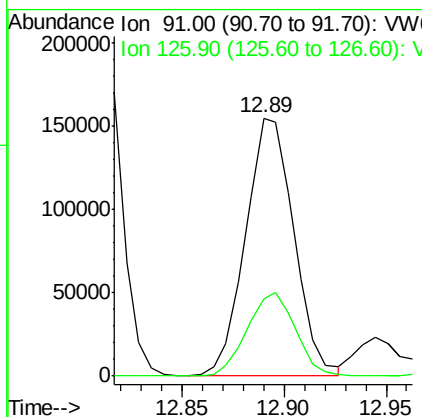
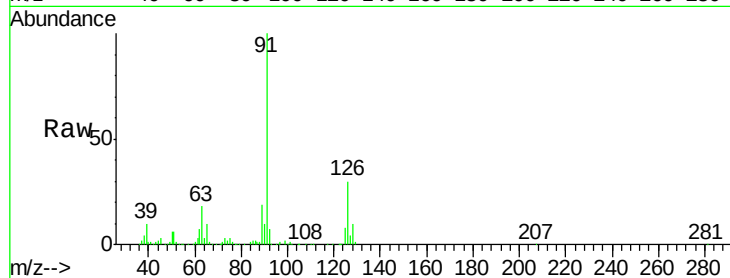
#79
 2-Chlorotoluene
 Concen: 20.175 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.3	48.8

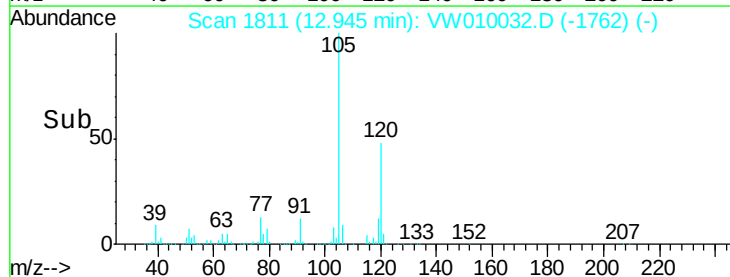
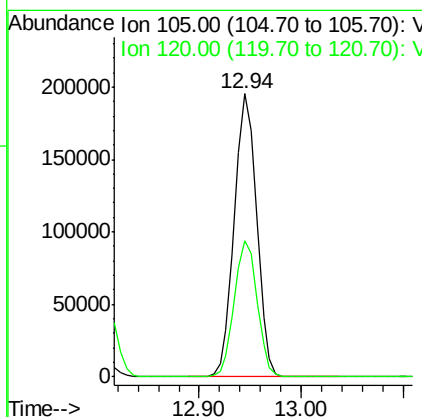
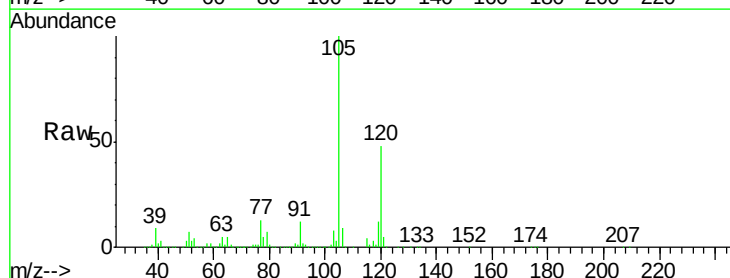
Manual Integrations
 APPROVED

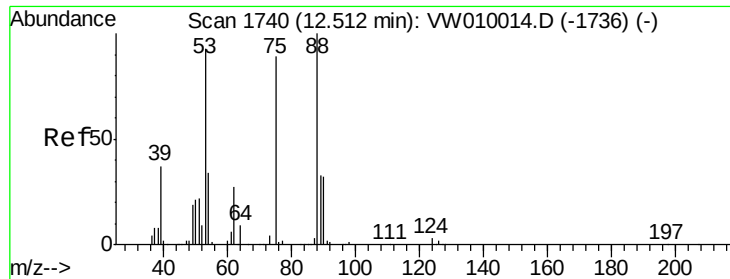
MMDadoda
 4/18/2019 11:39:17 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.769 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.3	72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.317 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

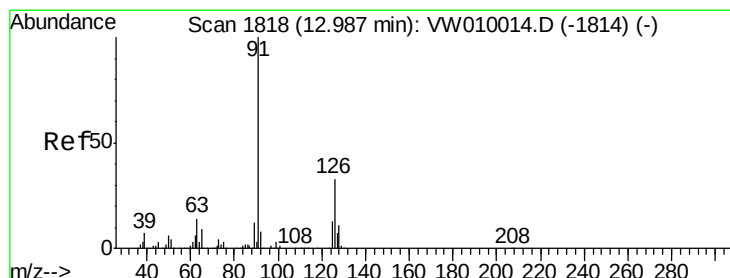
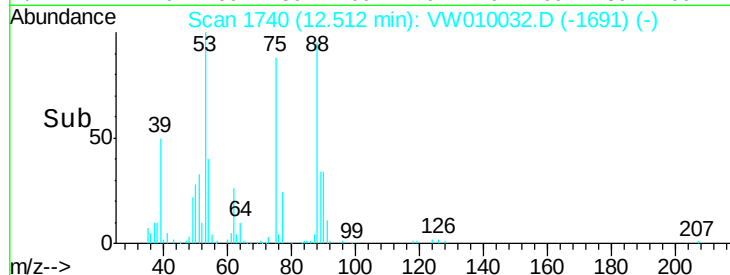
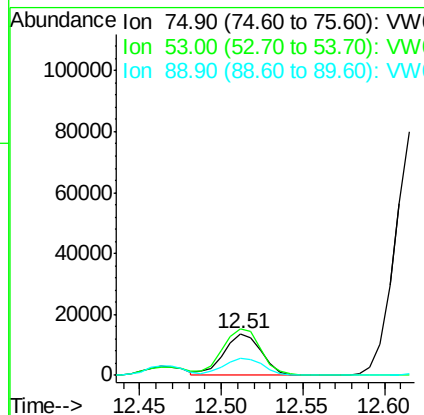
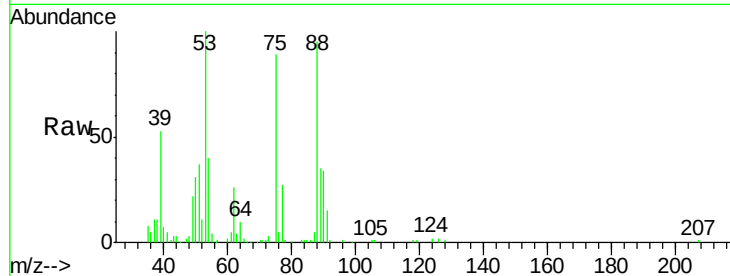
ClientSampleId :

VW0417SBS02

Tot Ion:	75	Resp:	21905
Ion	Ratio	Lower	Upper
75	100		
53	112.8	89.8	134.8
89	42.9	36.6	54.8

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#82

4-Chlorotoluene

Concen: 20.218 ug/l

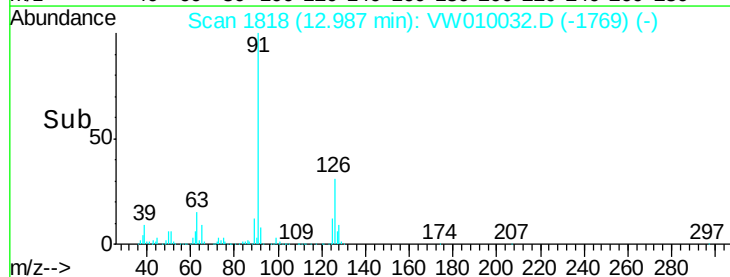
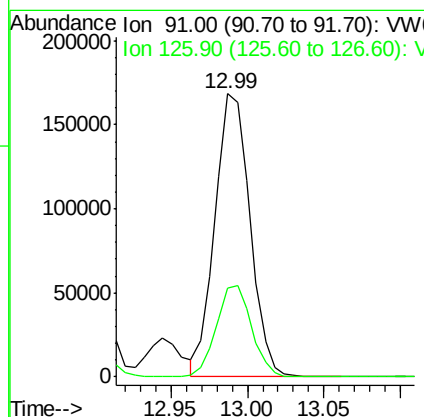
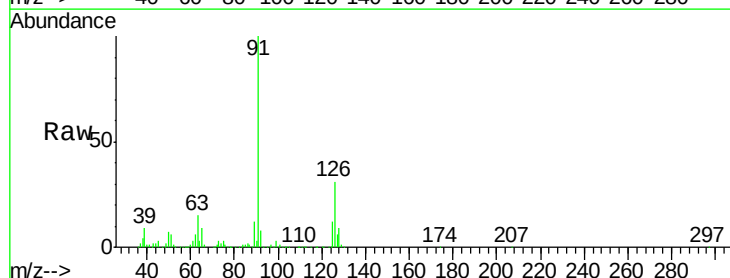
RT: 12.99 min Scan# 1818

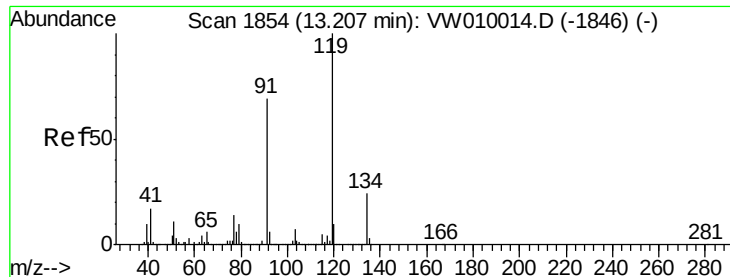
Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	91	Resp:	268128
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





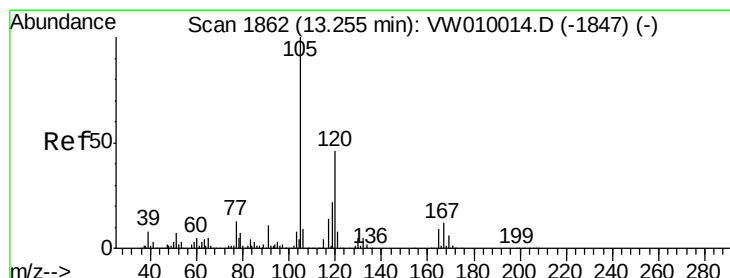
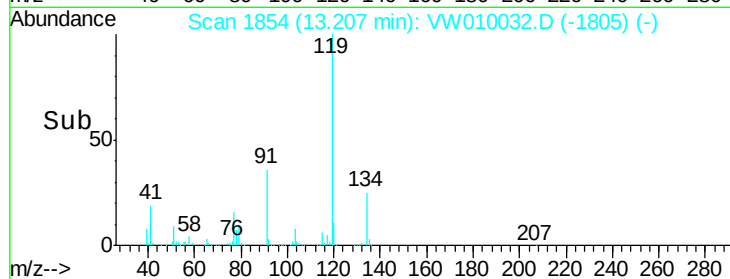
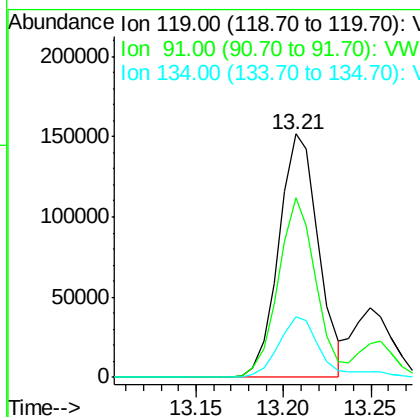
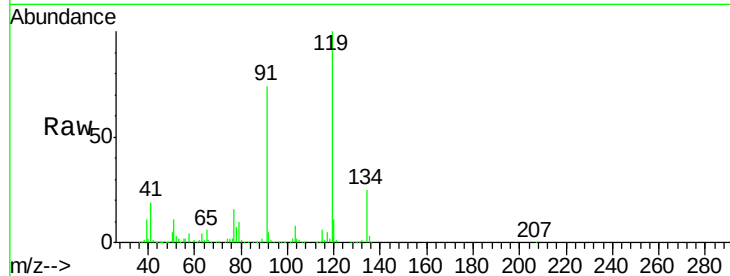
#83
 tert-Butylbenzene
 Concen: 19.409 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	34.8	104.4
134	26.8	13.7	41.1

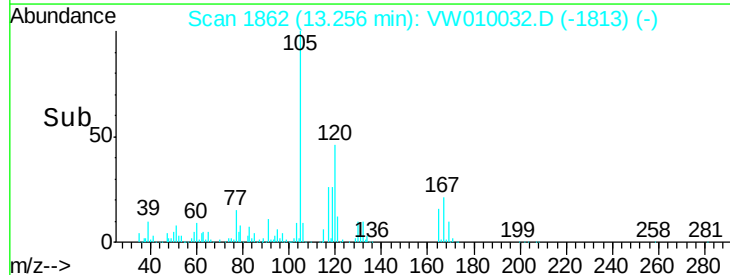
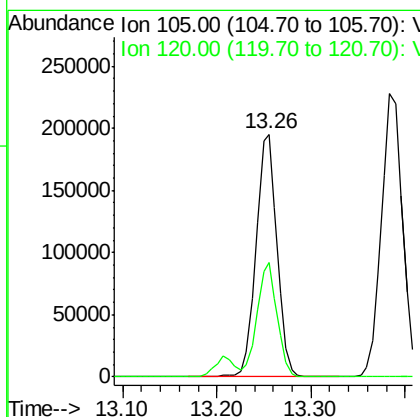
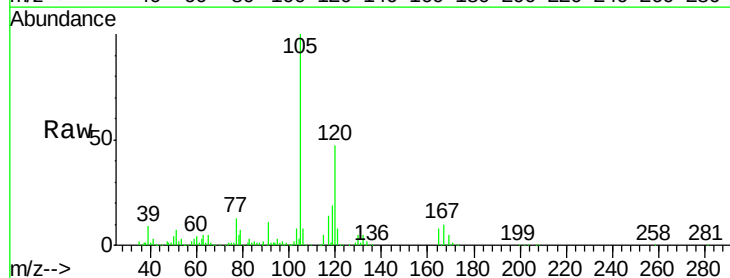
Manual Integrations
 APPROVED

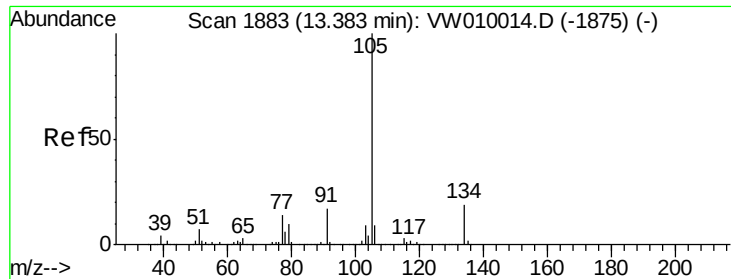
MMDadoda
 4/18/2019 11:39:17 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.195 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.187 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS02

Tot Ion:105 Resp: 355900

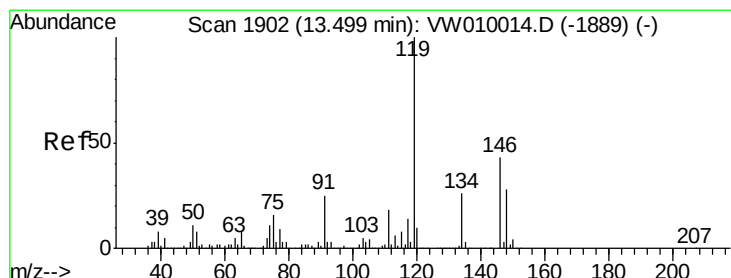
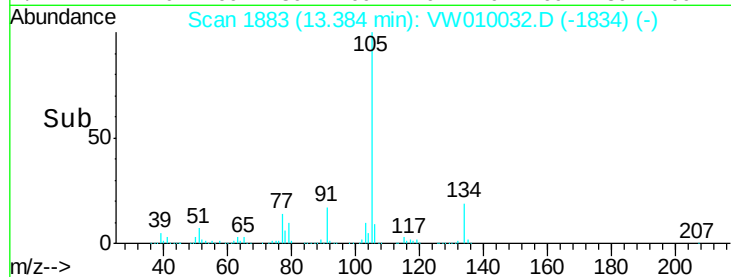
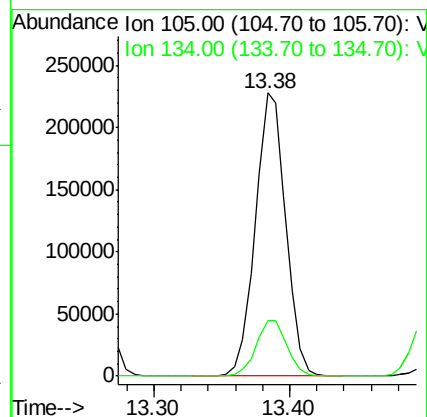
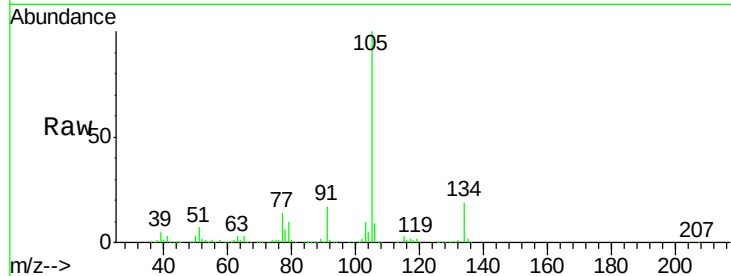
Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.5

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#86

p-Isopropyltoluene

Concen: 19.015 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

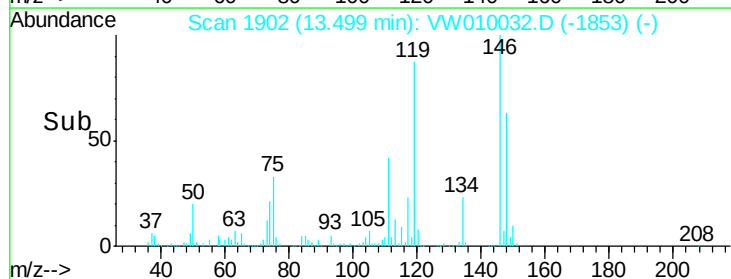
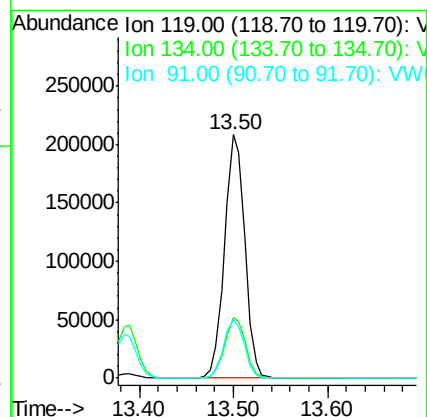
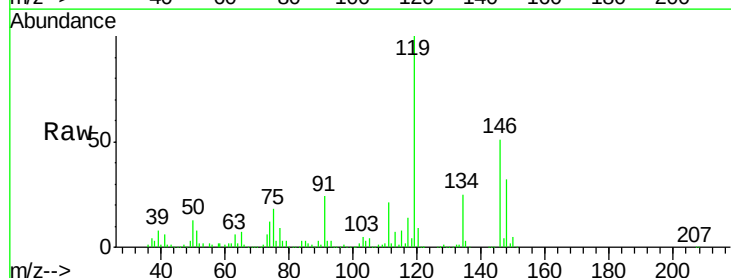
Tgt Ion:119 Resp: 310877

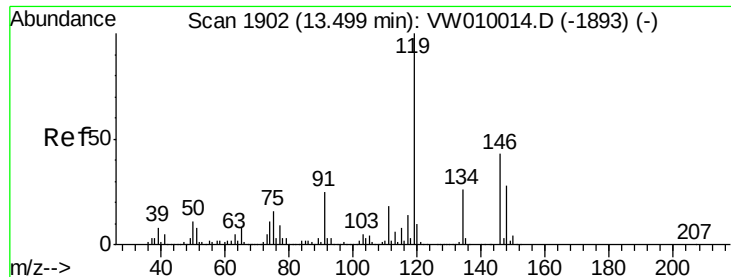
Ion Ratio Lower Upper

119 100

134 25.3 13.0 38.9

91 24.3 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.406 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

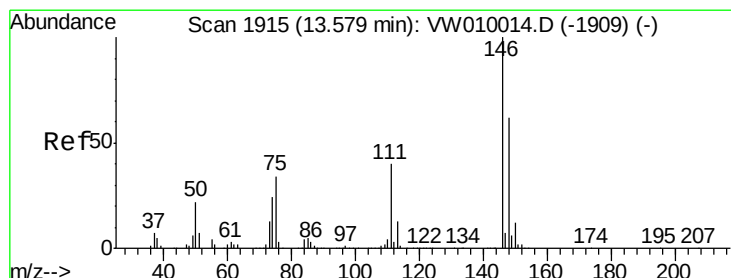
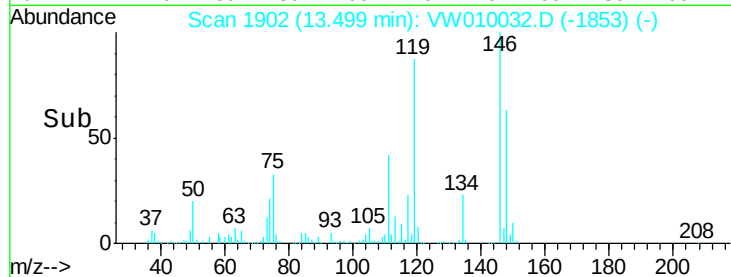
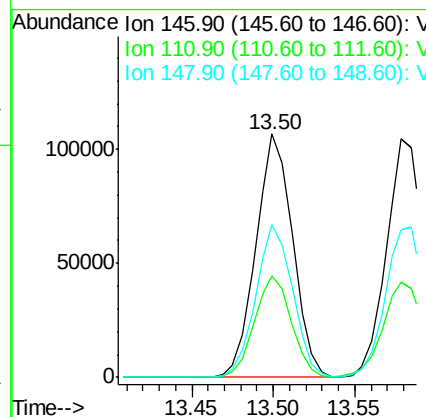
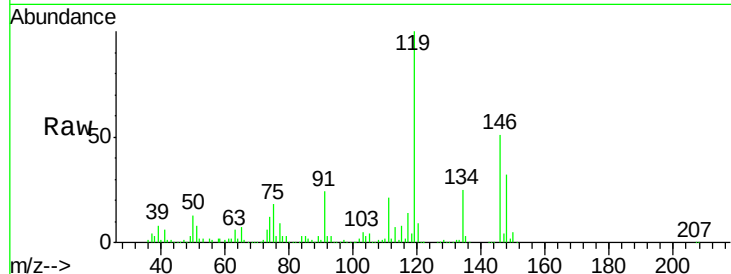
Instrument :
MSVOA_W

ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	167715		
111	41.8	20.3	61.0	
148	62.9	32.0	96.2	

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#88

1,4-Dichlorobenzene

Concen: 20.380 ug/l

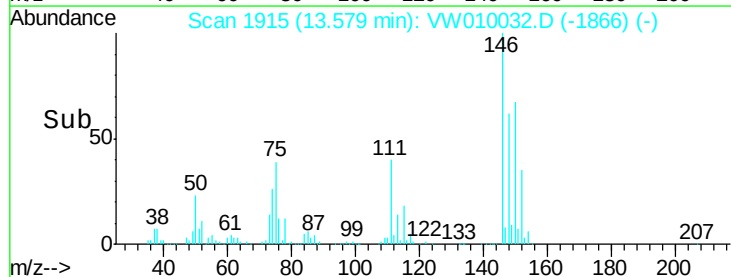
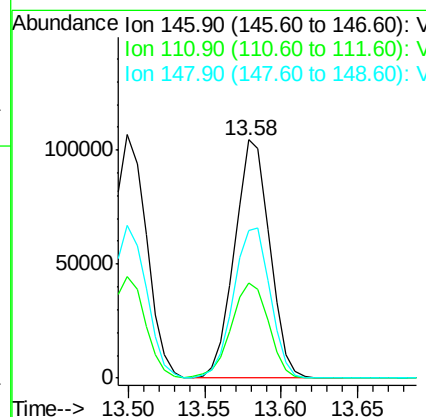
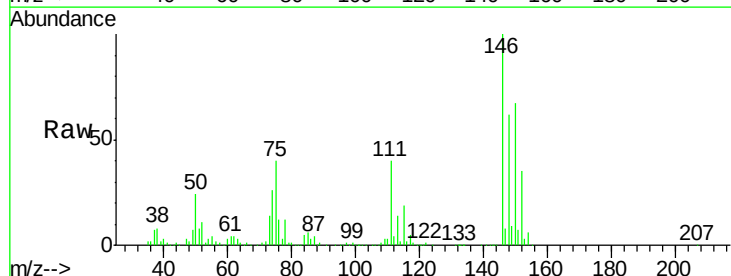
RT: 13.58 min Scan# 1915

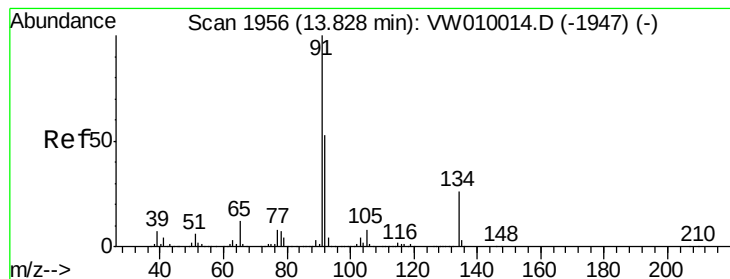
Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	167188		
111	42.3	20.1	60.3	
148	65.5	31.8	95.3	





#89

n-Butylbenzene

Concen: 18.248 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Instrument :

MSVOA_W

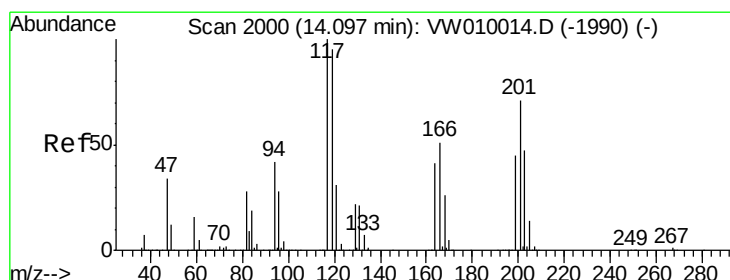
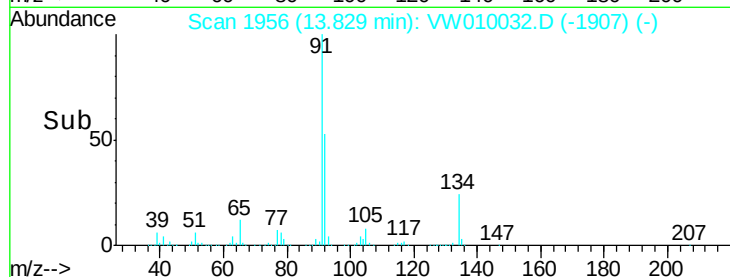
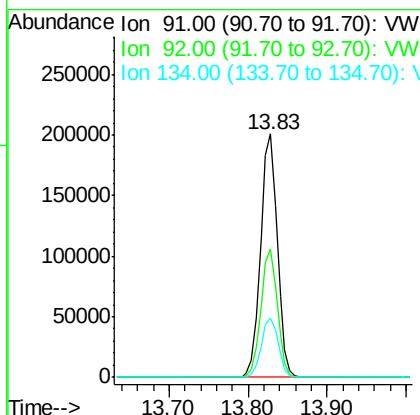
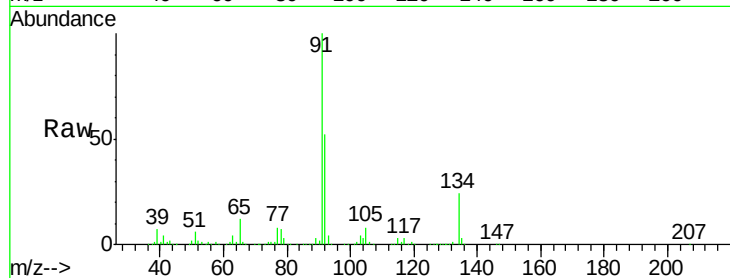
ClientSampleId :

VW0417SBS02

Tot Ion:	91	Resp:	295575
Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.5	79.4
134	24.5	12.4	37.0

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#90

Hexachloroethane

Concen: 19.274 ug/l

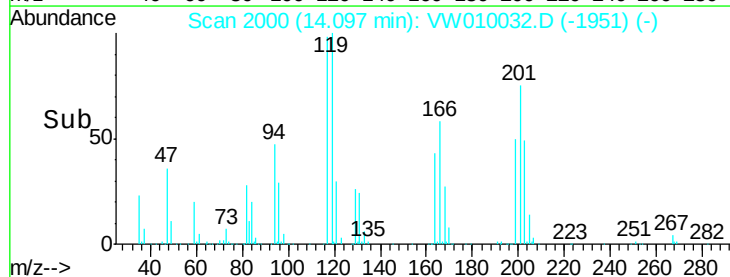
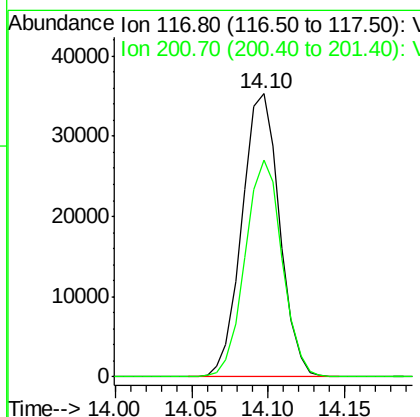
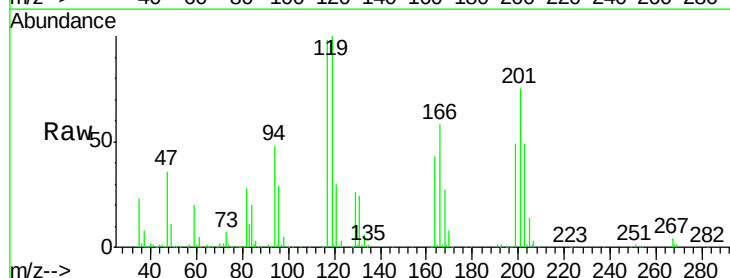
RT: 14.10 min Scan# 2000

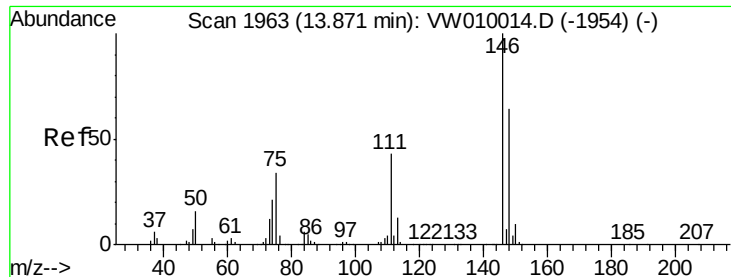
Delta R.T. 0.00 min

Lab File: VW010032.D

Acq: 18 Apr 2019 01:47

Tgt Ion:	117	Resp:	60354
Ion	Ratio	Lower	Upper
117	100		
201	75.4	36.1	108.3





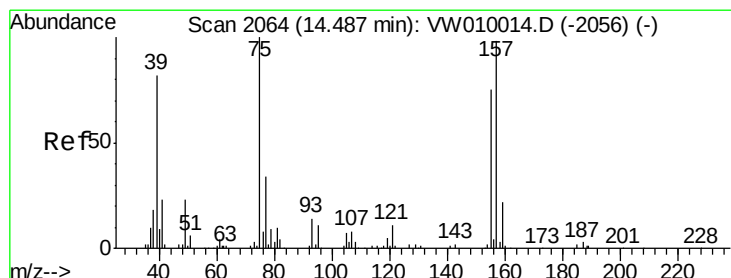
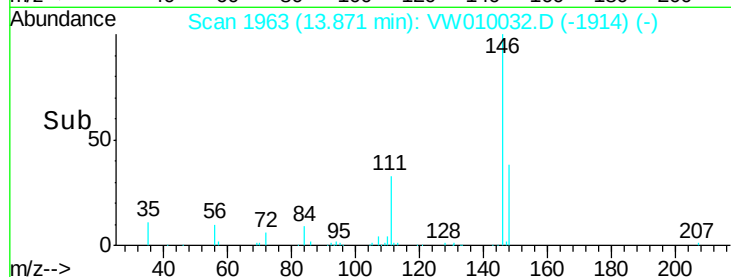
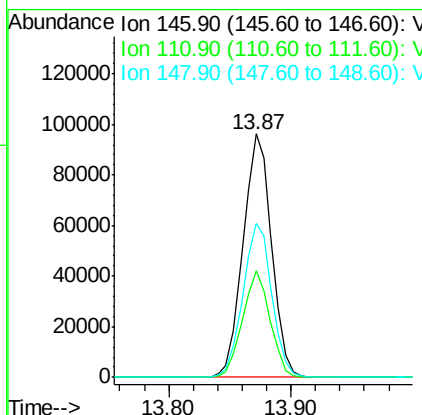
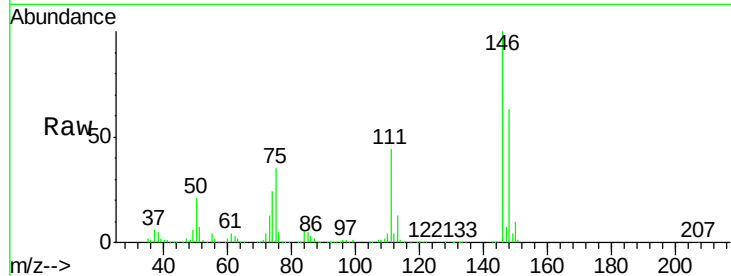
#91
 1,2-Dichlorobenzene
 Concen: 21.037 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.9	62.8
148	63.8	31.9	95.7

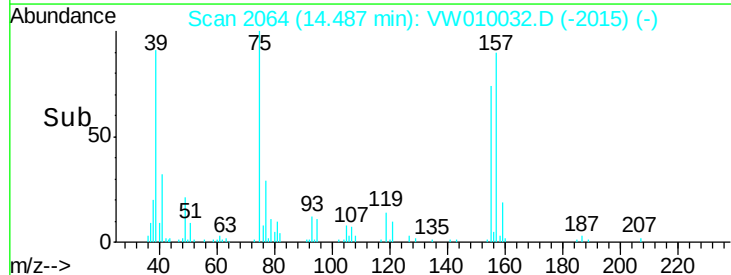
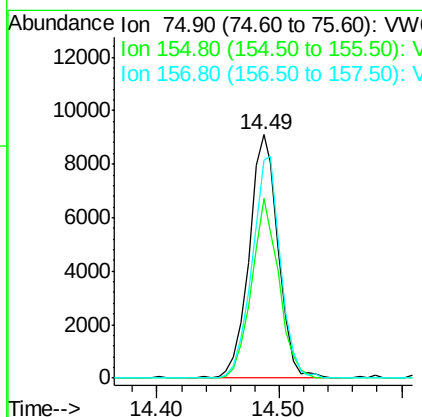
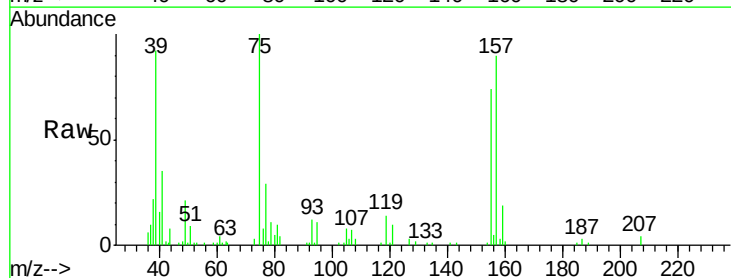
Manual Integrations
 APPROVED

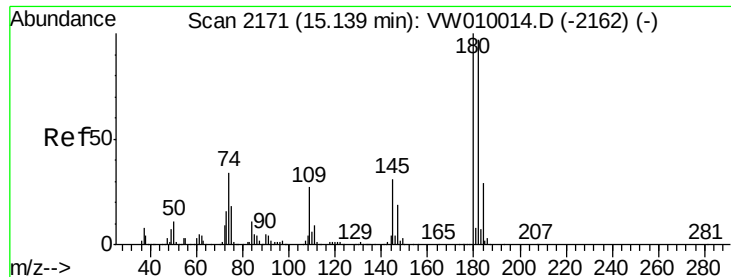
MMDadoda
 4/18/2019 11:39:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.007 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	37.1	111.5
157	89.2	47.3	141.9





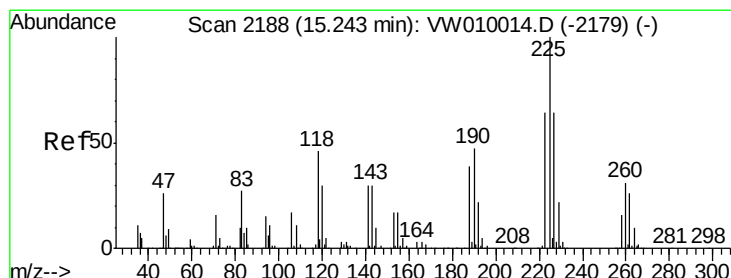
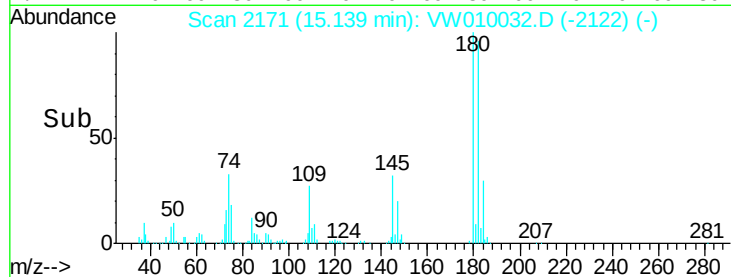
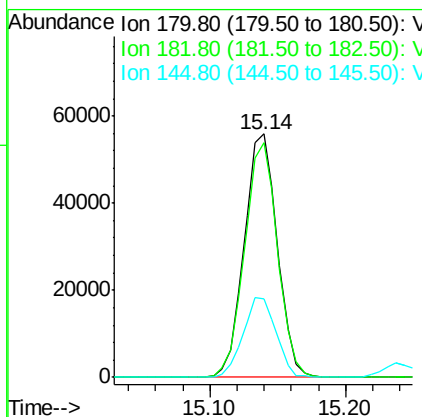
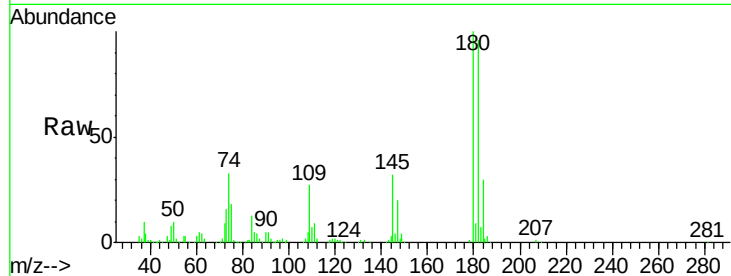
#93
 1,2,4-Trichlorobenzene
 Concen: 19.536 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.1	141.4
145	33.0	15.2	45.6

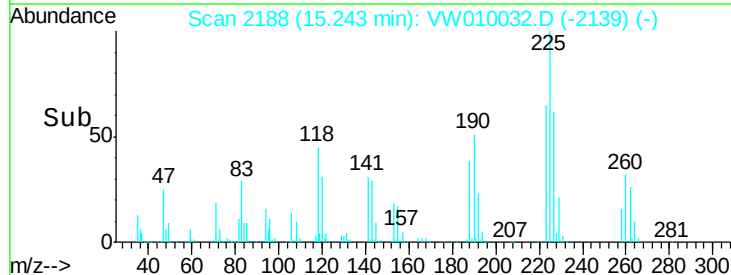
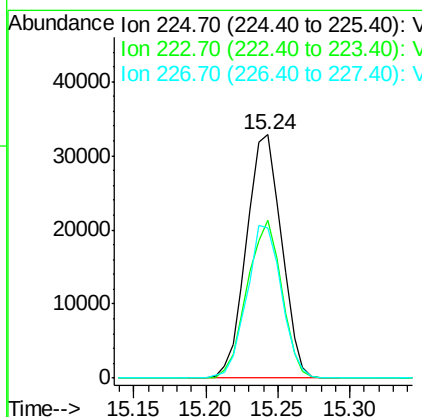
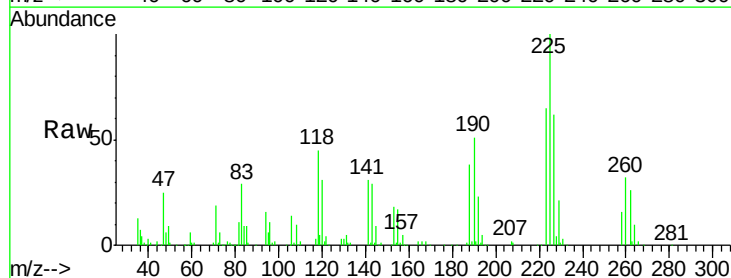
Manual Integrations
 APPROVED

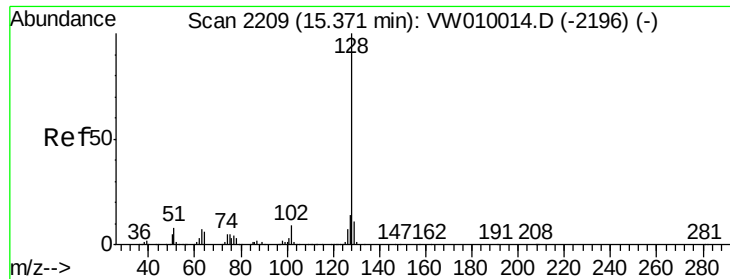
MMDadoda
 4/18/2019 11:39:17 AM



#94
 Hexachlorobutadiene
 Concen: 18.736 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010032.D
 Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.5
227	62.5	31.8	95.3





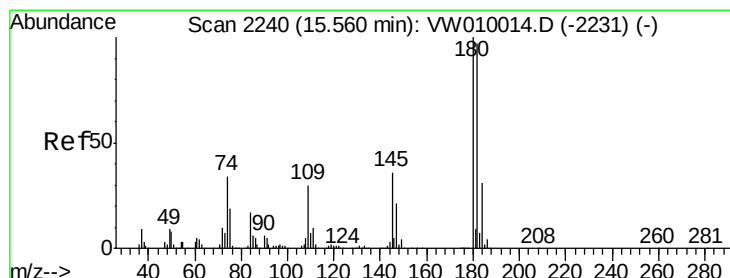
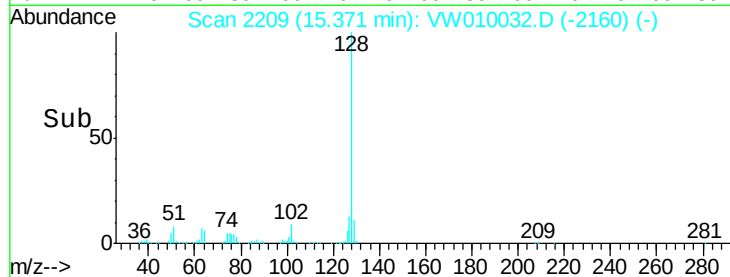
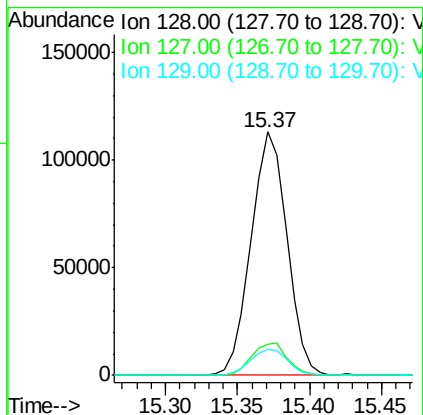
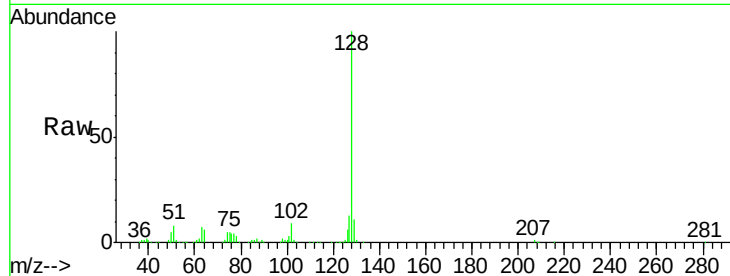
#95
Naphthalene
Concen: 21.808 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	195325		
127	13.3		10.6	15.8
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2019 11:39:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.284 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010032.D
Acq: 18 Apr 2019 01:47

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89773		
182	95.7		47.8	143.3
145	32.0		16.4	49.2

