

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010319\
 Data File : VW008012.D
 Acq On : 03 Jan 2019 11:03
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:02:05 PM

Quant Time: Jan 04 03:18:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	75698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	118727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	106531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	40666	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.88	113	35921	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
50) Toluene-d8	10.32	98	138310	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.62	95	51341	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34460	49.607	ug/l	95
3) Chloromethane	2.22	50	25178	48.857	ug/l	99
4) Vinyl Chloride	2.37	62	35538	53.394	ug/l	98
5) Bromomethane	2.79	94	21025	49.721	ug/l	94
6) Chloroethane	2.93	64	17824	52.395	ug/l	98
7) Trichlorofluoromethane	3.26	101	33151	49.618	ug/l	96
8) Diethyl Ether	3.68	74	17075	49.758	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39955	50.322	ug/l	97
10) Methyl Iodide	4.26	142	62341	48.804	ug/l	99
11) Tert butyl alcohol	5.16	59	11765	216.288	ug/l	99
12) 1,1-Dichloroethene	4.03	96	38244	50.321	ug/l	92
13) Acrolein	3.89	56	9212	249.950	ug/l	98
14) Allyl chloride	4.67	41	51343	49.866	ug/l	99
15) Acrylonitrile	5.37	53	31001	245.619	ug/l	100
16) Acetone	4.12	43	35478	273.739	ug/l	94
17) Carbon Disulfide	4.37	76	117479	50.604	ug/l	99
18) Methyl Acetate	4.67	43	17159	51.052	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	55210	46.161	ug/l	99
20) Methylene Chloride	4.91	84	38613	48.225	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	40761	49.294	ug/l	98
22) Diisopropyl ether	6.31	45	92204	49.892	ug/l	99
23) Vinyl Acetate	6.25	43	253866	245.520	ug/l	98
24) 1,1-Dichloroethane	6.21	63	66216	48.223	ug/l	100
25) 2-Butanone	7.17	43	38689	253.362	ug/l	99
26) 2,2-Dichloropropane	7.17	77	53038	46.883	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	41997	47.680	ug/l	98
28) Bromochloromethane	7.51	49	22424	50.809	ug/l #	100
29) Tetrahydrofuran	7.53	42	23129	243.844	ug/l	98
30) Chloroform	7.68	83	73214	47.575	ug/l	97
31) Cyclohexane	7.95	56	61125	47.761	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	71275	48.403	ug/l	99
36) 1,1-Dichloropropene	8.08	75	58842	50.241	ug/l	99
37) Ethyl Acetate	7.25	43	17440	49.574	ug/l	99
38) Carbon Tetrachloride	8.07	117	69321	49.388	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010319\
 Data File : VW008012.D
 Acq On : 03 Jan 2019 11:03
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:02:05 PM

Quant Time: Jan 04 03:18:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71725	49.131	ug/l	99
40) Benzene	8.32	78	150828	48.816	ug/l	99
41) Methacrylonitrile	7.48	41	10410	50.328	ug/l	93
42) 1,2-Dichloroethane	8.40	62	49861	48.435	ug/l	100
43) Isopropyl Acetate	8.43	43	34845	49.572	ug/l	99
44) Trichloroethene	9.09	130	44976	49.329	ug/l	98
45) 1,2-Dichloropropane	9.37	63	32379	48.415	ug/l	98
46) Dibromomethane	9.46	93	19323	49.419	ug/l	99
47) Bromodichloromethane	9.65	83	53117	48.501	ug/l	97
48) Methyl methacrylate	9.43	41	17092	48.225	ug/l	99
49) 1,4-Dioxane	9.45	88	6071	1049.194	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	78304	240.657	ug/l	100
52) Toluene	10.39	92	99878	48.966	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	51394	48.803	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	56716	48.264	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	25368	47.918	ug/l	95
56) Ethyl methacrylate	10.65	69	29847	49.870	ug/l	99
57) 1,3-Dichloropropane	10.93	76	43477	48.332	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	57380	202.156	ug/l	99
59) 2-Hexanone	10.97	43	58580	260.789	ug/l	98
60) Dibromochloromethane	11.13	129	34135	47.105	ug/l	98
61) 1,2-Dibromoethane	11.24	107	25679	48.470	ug/l	98
64) Tetrachloroethene	10.87	164	36998	50.278	ug/l	97
65) Chlorobenzene	11.66	112	112562	49.439	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	40353	48.942	ug/l	98
67) Ethyl Benzene	11.73	91	201736	49.919	ug/l	99
68) m/p-Xylenes	11.84	106	153278	98.106	ug/l	96
69) o-Xylene	12.17	106	72860	50.118	ug/l	99
70) Styrene	12.18	104	118486	50.004	ug/l	100
71) Bromoform	12.35	173	18962	49.640	ug/l #	99
73) Isopropylbenzene	12.47	105	210192	50.138	ug/l	99
74) N-amyl acetate	12.27	43	32215	49.366	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	26672	50.003	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	21440m	51.118	ug/l	
77) Bromobenzene	12.75	156	44368	49.239	ug/l	99
78) n-propylbenzene	12.81	91	243425	50.082	ug/l	99
79) 2-Chlorotoluene	12.90	91	140160	49.893	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	181817	50.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8973	50.593	ug/l	97
82) 4-Chlorotoluene	12.99	91	149290	49.978	ug/l	98
83) tert-Butylbenzene	13.21	119	158931	50.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	181649	49.698	ug/l	98
85) sec-Butylbenzene	13.39	105	218724	50.361	ug/l	98
86) p-Isopropyltoluene	13.51	119	198577	50.690	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	91525	50.341	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	89655	49.809	ug/l	99
89) n-Butylbenzene	13.83	91	180274	50.310	ug/l	99
90) Hexachloroethane	14.10	117	34341	50.520	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	79253	49.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5204	48.068	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010319\
Data File : VW008012.D
Acq On : 03 Jan 2019 11:03
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM

Quant Time: Jan 04 03:18:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	54581	48.641	ug/l	98
94) Hexachlorobutadiene	15.24	225	32266	49.801	ug/l	98
95) Naphthalene	15.38	128	96972	50.742	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	46031	49.855	ug/l	98

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

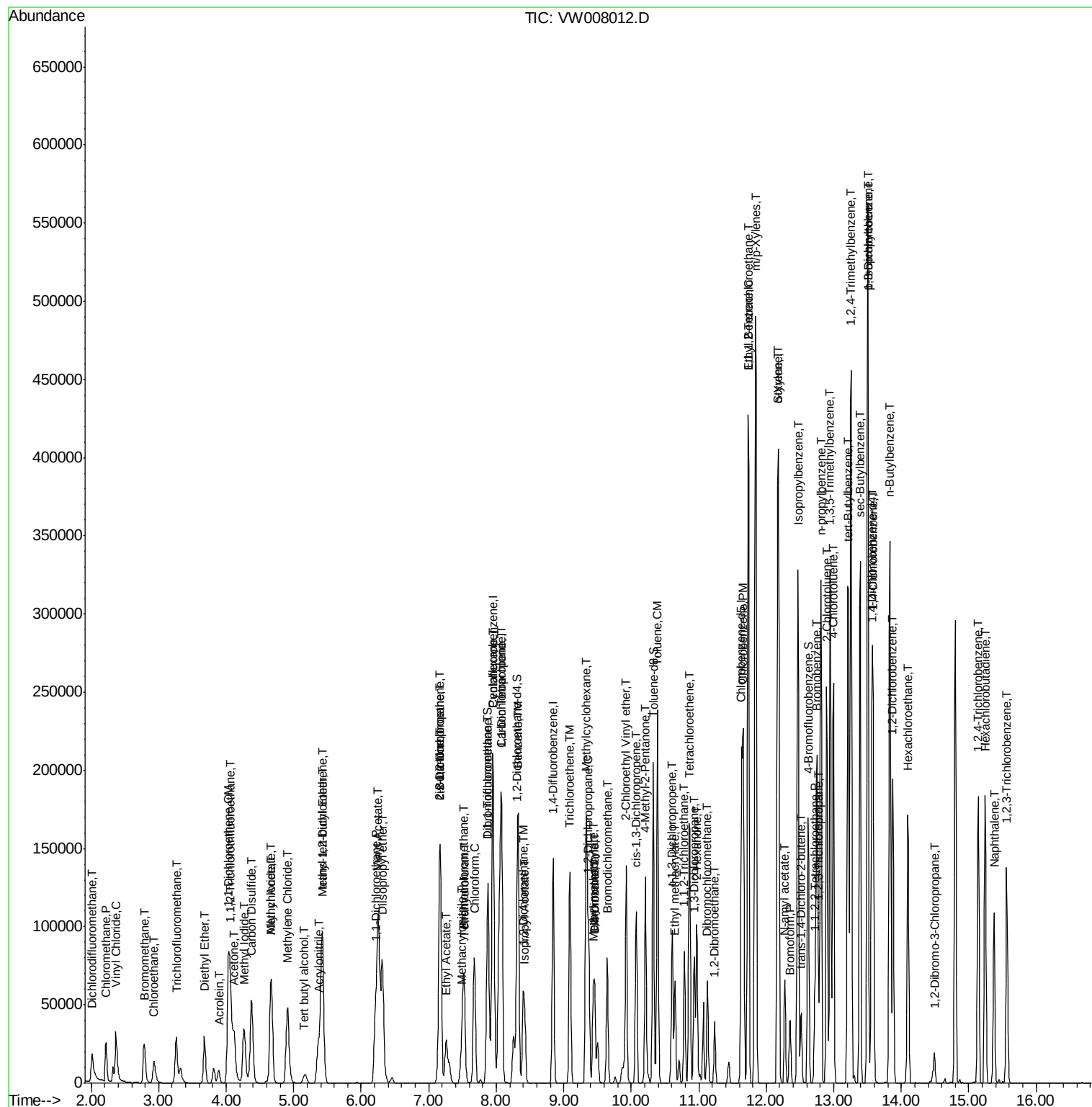
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010319\
 Data File : VW008012.D
 Acq On : 03 Jan 2019 11:03
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

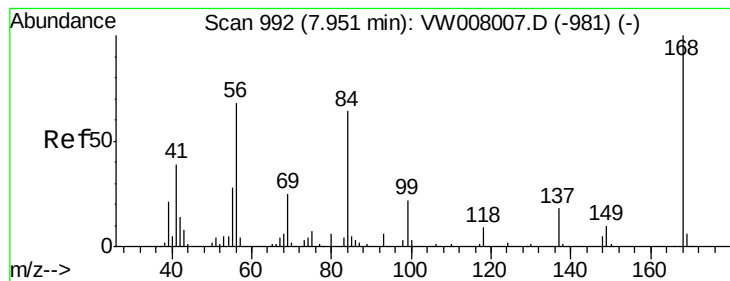
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:02:05 PM

Quant Time: Jan 04 03:18:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tot Ion:168 Resp: 75698

Ion Ratio Lower Upper

168 100

99 67.9 51.6 77.4

Instrument :

MSVOA_W

ClientSampleId :

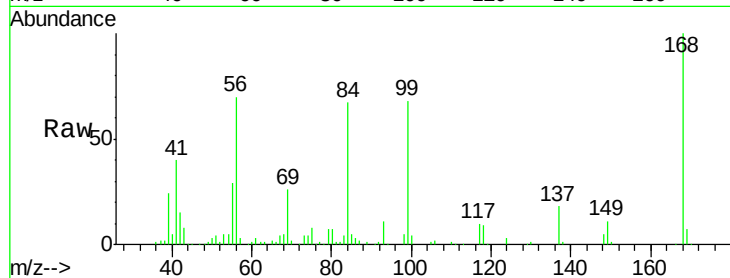
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:05 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

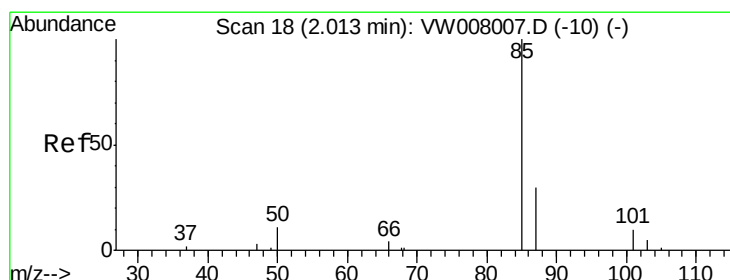
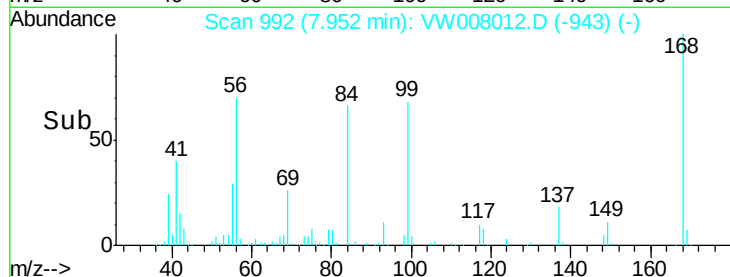
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 49.607 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008012.D

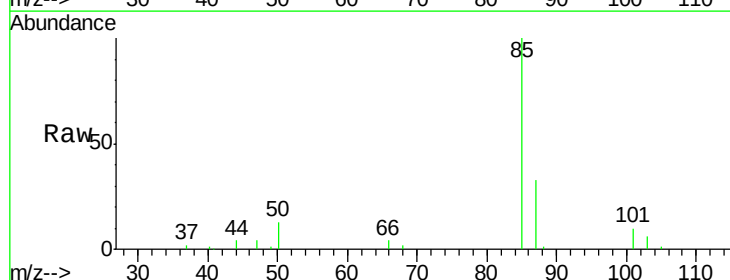
Acq: 03 Jan 2019 11:03

Tgt Ion: 85 Resp: 34460

Ion Ratio Lower Upper

85 100

87 32.9 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

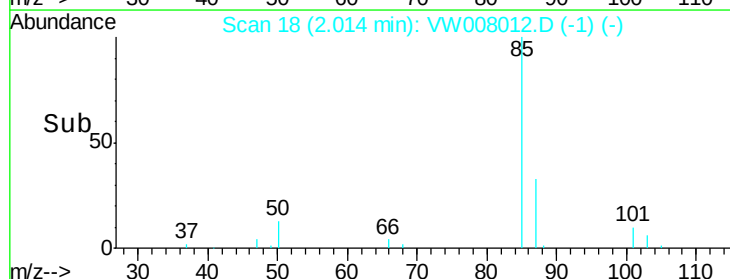
4000

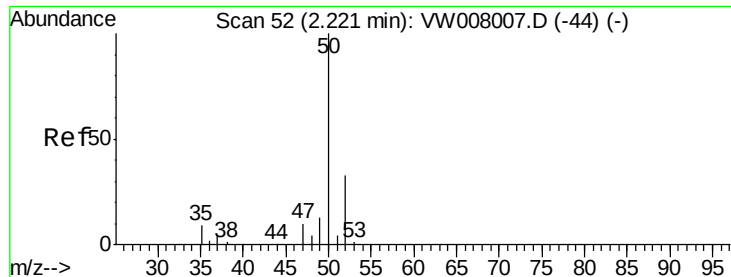
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 48.857 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 25178

Ion Ratio Lower Upper

50 100

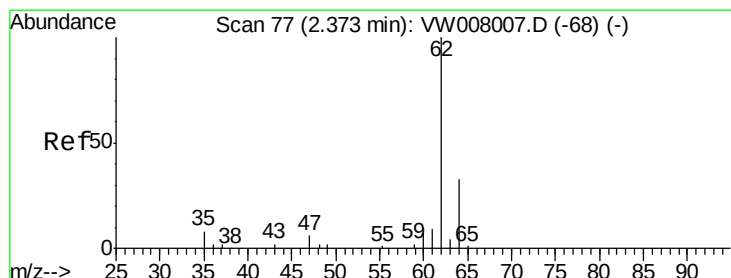
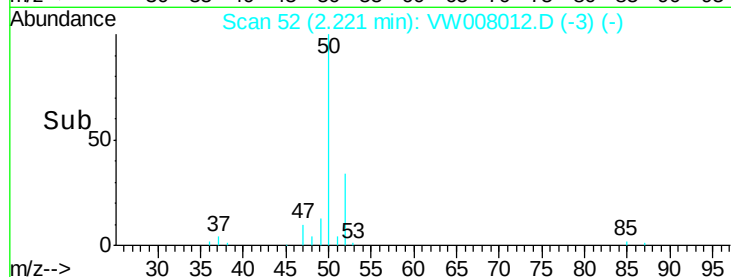
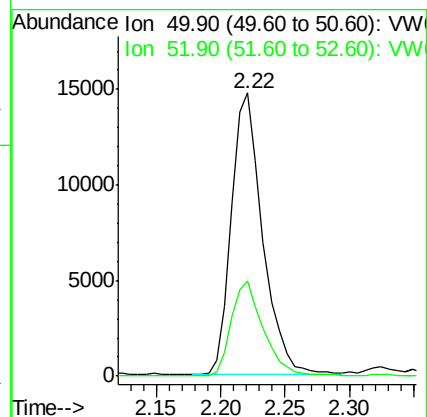
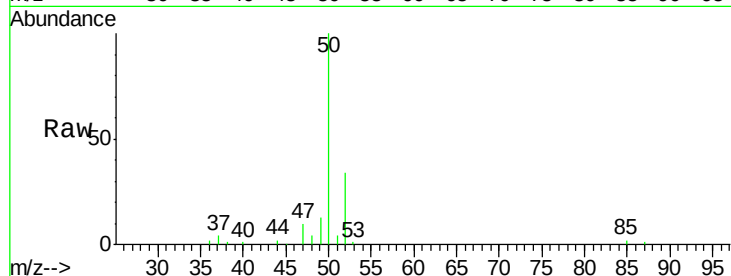
52 33.8 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:05 PM



#4

Vinyl Chloride

Concen: 53.394 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008012.D

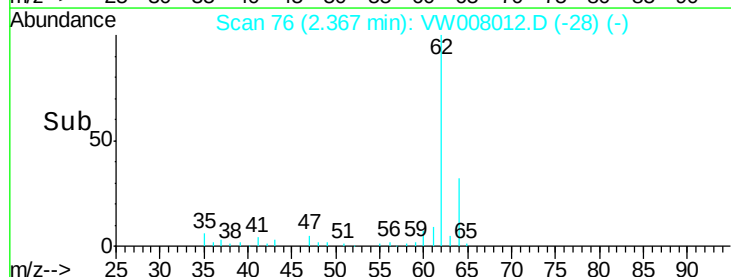
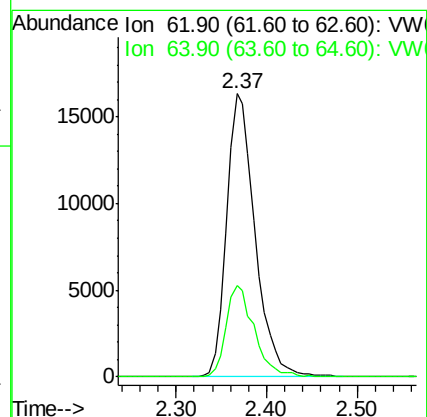
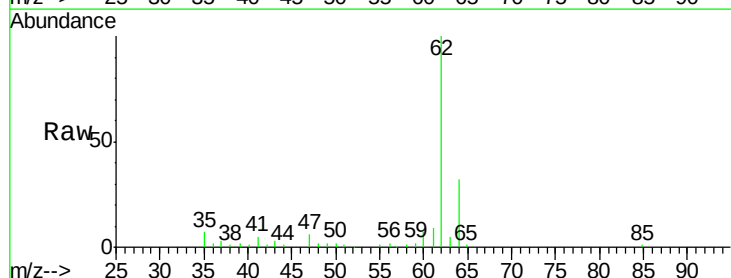
Acq: 03 Jan 2019 11:03

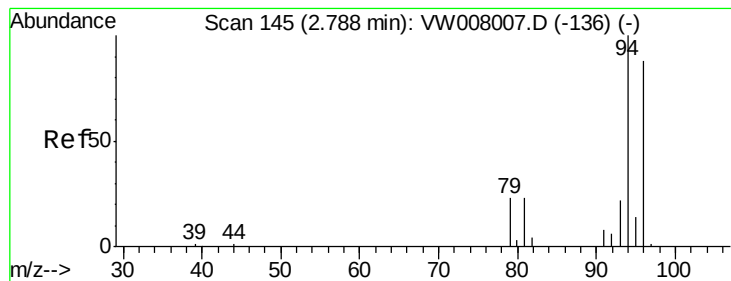
Tgt Ion: 62 Resp: 35538

Ion Ratio Lower Upper

62 100

64 32.3 26.8 40.2





#5

Bromomethane

Concen: 49.721 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 21025

Ion Ratio Lower Upper

94 100

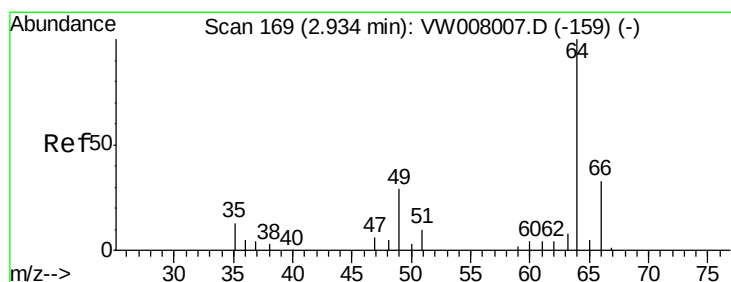
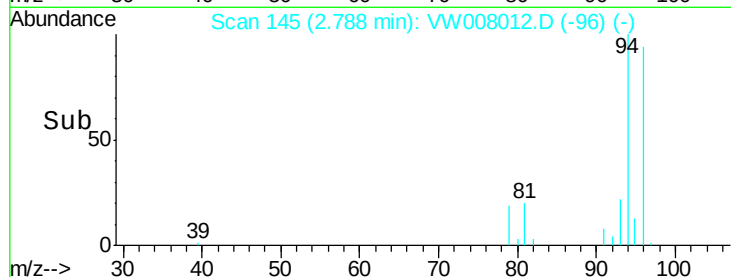
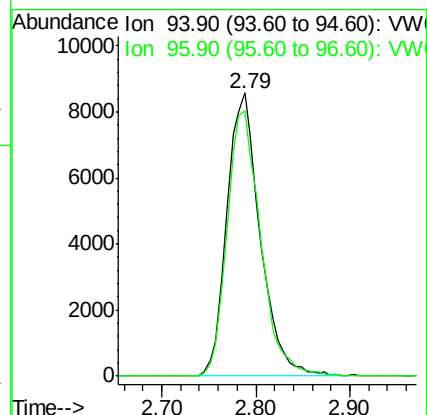
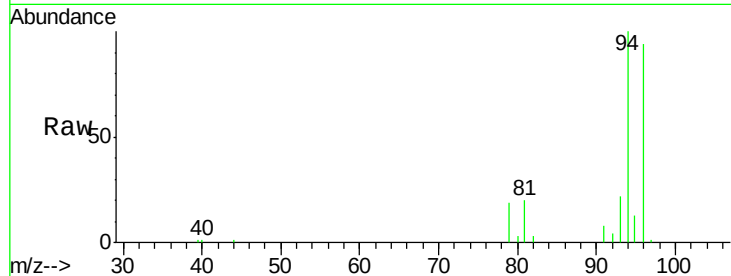
96 94.0 70.7 106.1

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:05 PM



#6

Chloroethane

Concen: 52.395 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW008012.D

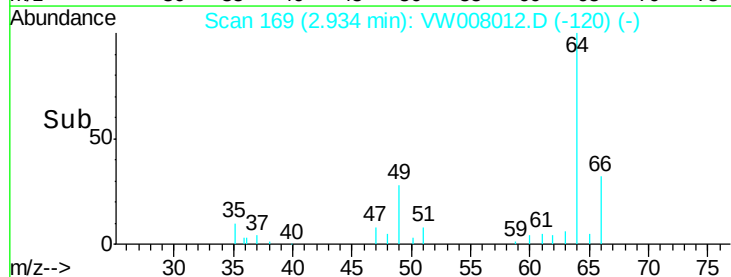
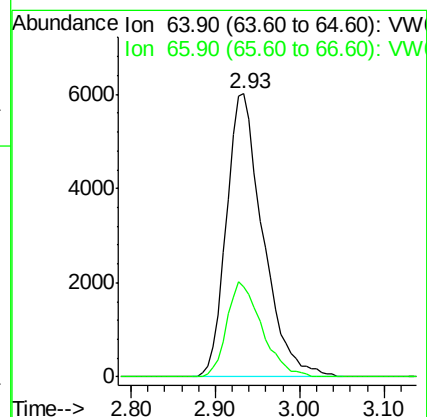
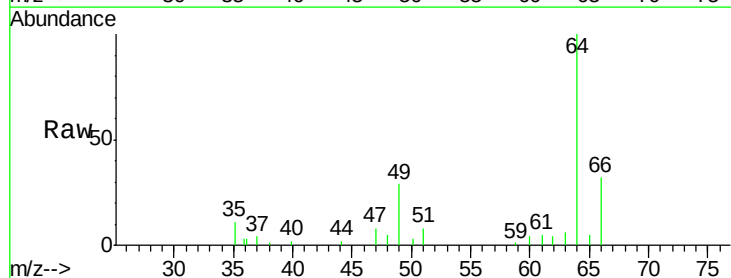
Acq: 03 Jan 2019 11:03

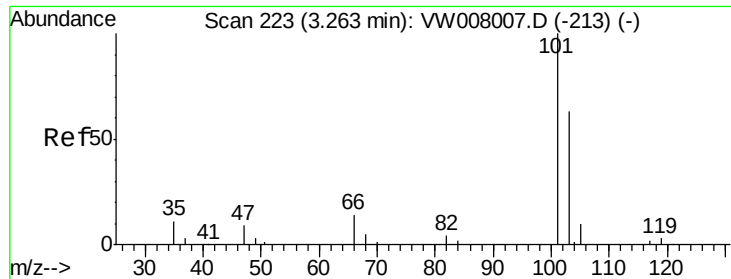
Tgt Ion: 64 Resp: 17824

Ion Ratio Lower Upper

64 100

66 31.8 26.6 39.8





#7

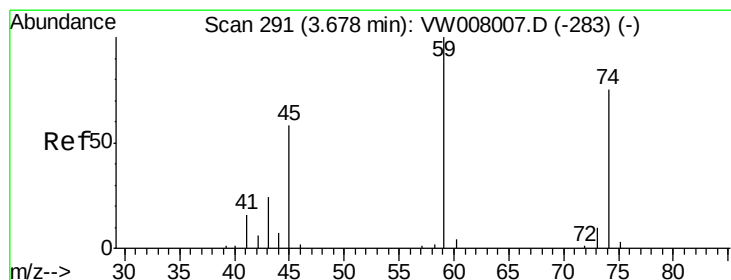
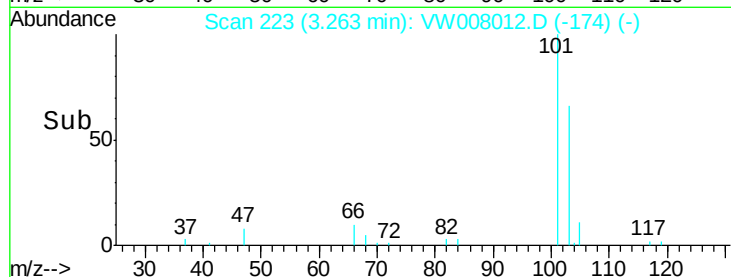
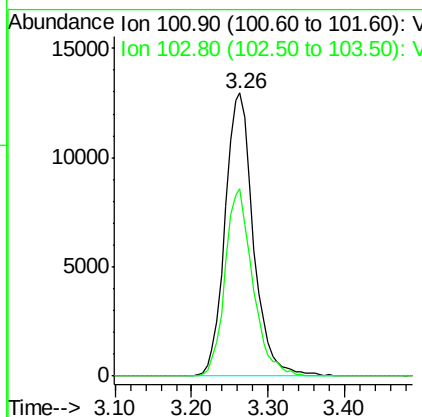
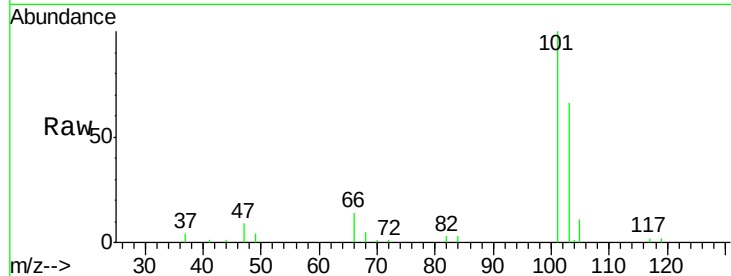
Trichlorofluoromethane
Concen: 49.618 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	50.5	75.7

Manual Integrations
APPROVED

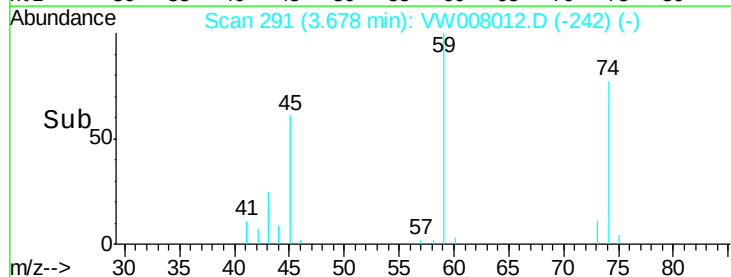
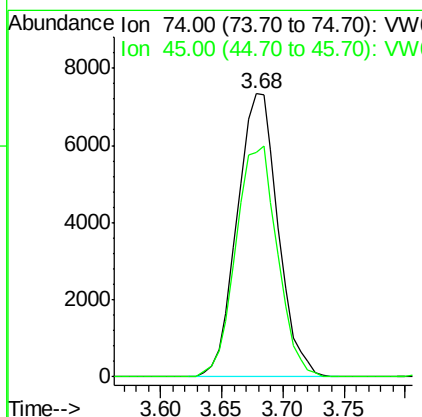
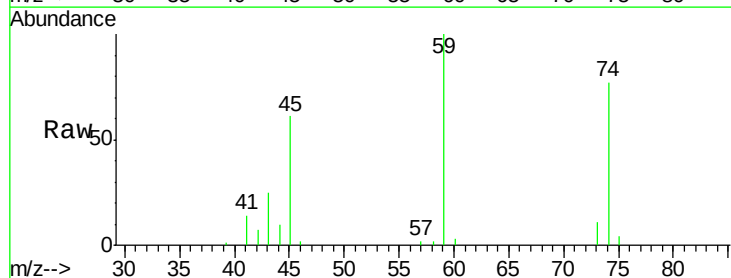
MMDadoda
1/4/2019 12:02:05 PM

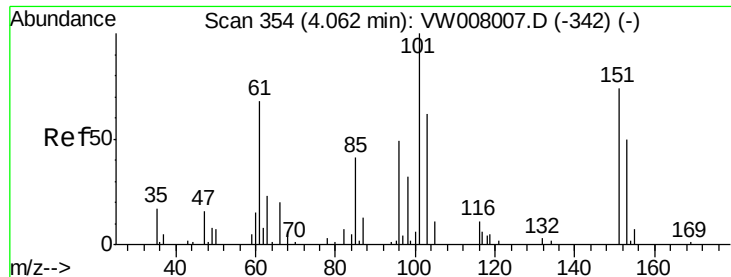


#8

Diethyl Ether
Concen: 49.758 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.6	41.4	124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.322 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

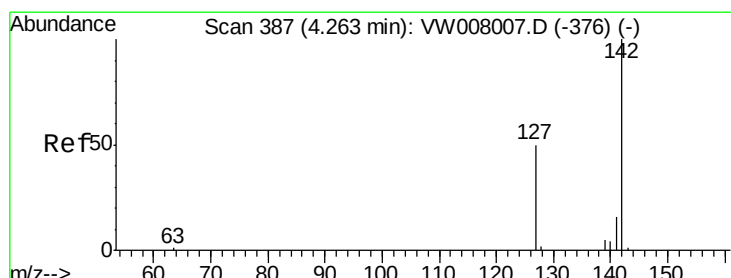
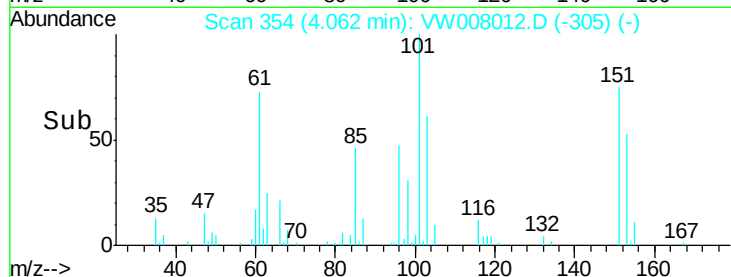
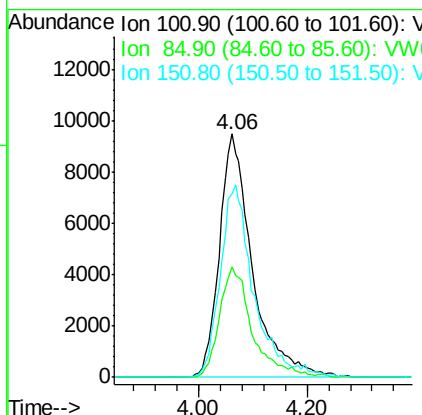
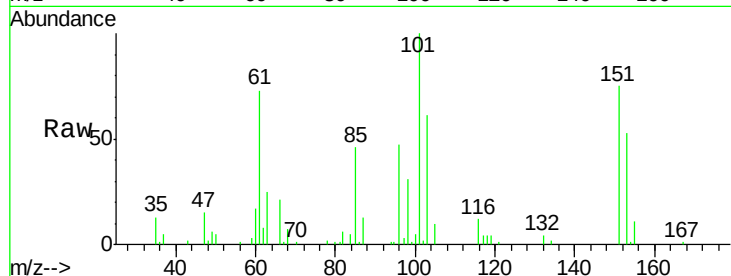
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	39955
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.1	52.7
151	77.9	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#10

Methyl Iodide

Concen: 48.804 ug/l

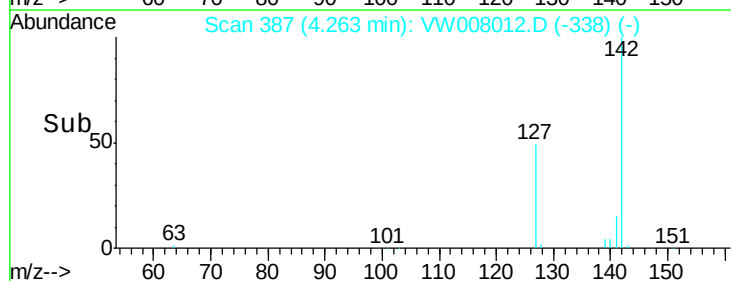
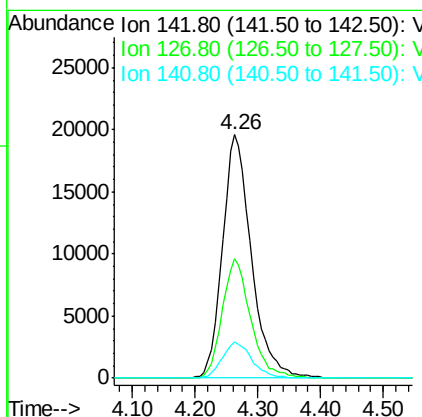
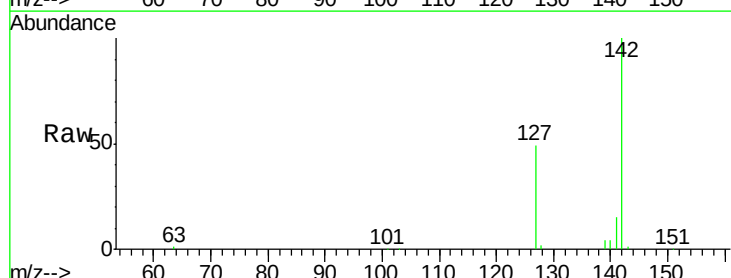
RT: 4.26 min Scan# 387

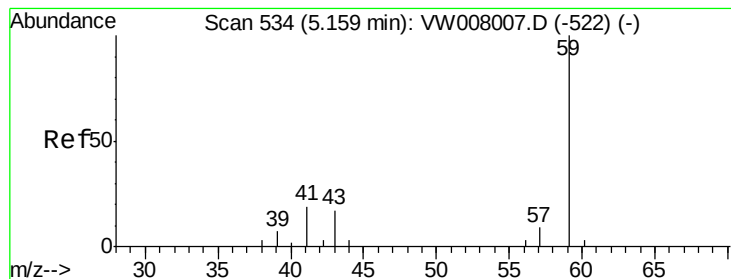
Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tgt Ion:	142	Resp:	62341
Ion Ratio	Lower	Upper	
142	100		
127	48.2	39.4	59.0
141	15.2	12.1	18.1





#11

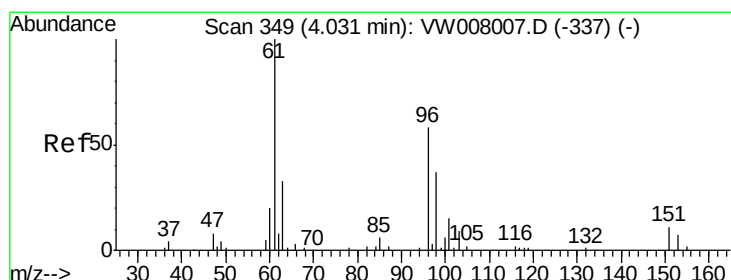
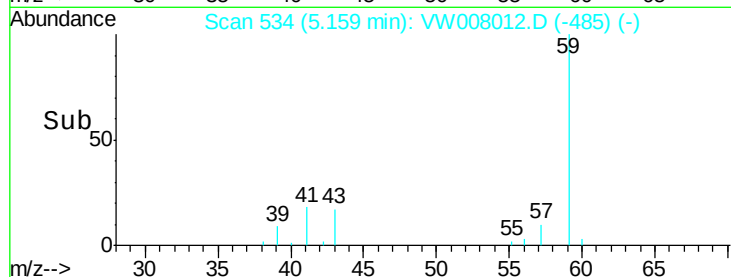
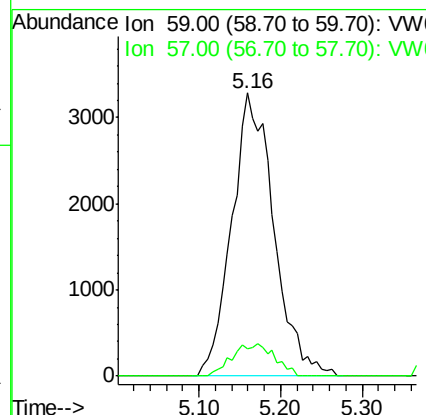
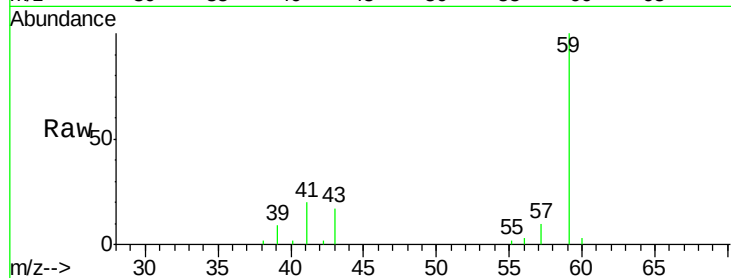
Tert butyl alcohol
Concen: 216.288 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.0	13.4

Manual Integrations
APPROVED

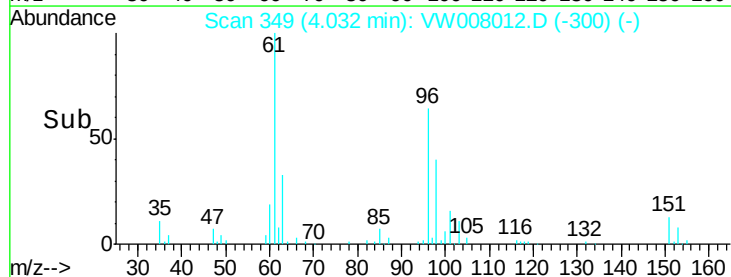
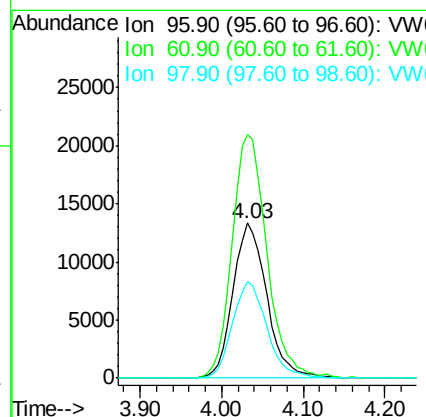
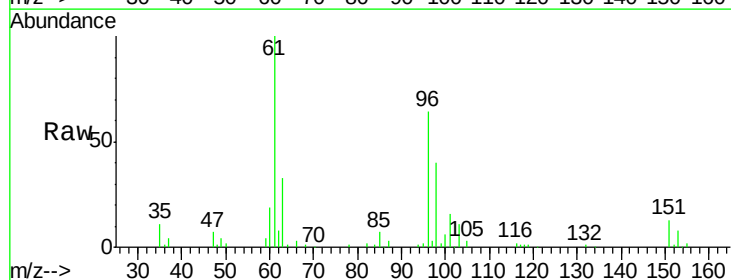
MMDadoda
1/4/2019 12:02:05 PM

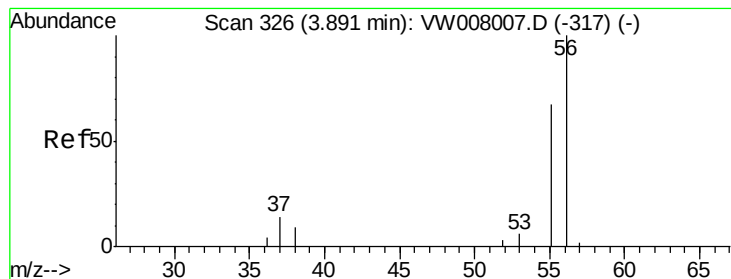


#12

1,1-Dichloroethene
Concen: 50.321 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	137.3	205.9
98	62.5	50.5	75.7





#13

Acrolein

Concen: 249.950 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 9212

Ion Ratio Lower Upper

56 100

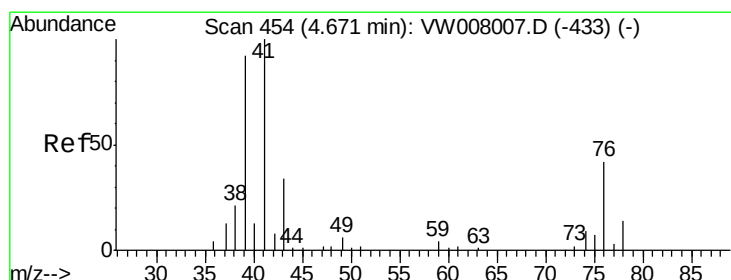
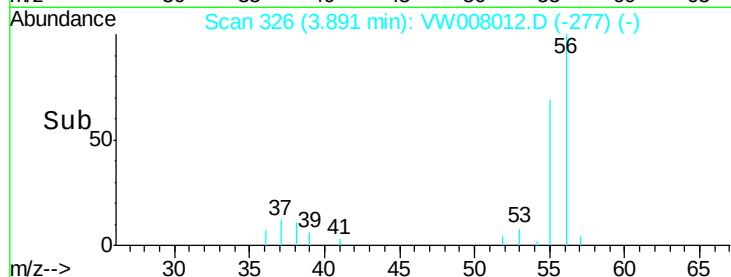
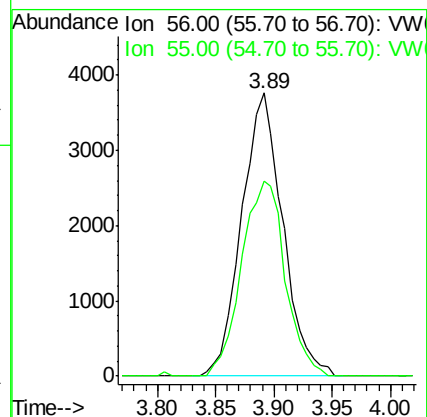
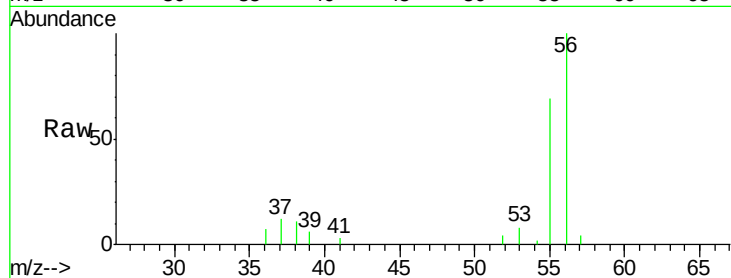
55 73.1 57.3 85.9

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:05 PM



#14

Allyl chloride

Concen: 49.866 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

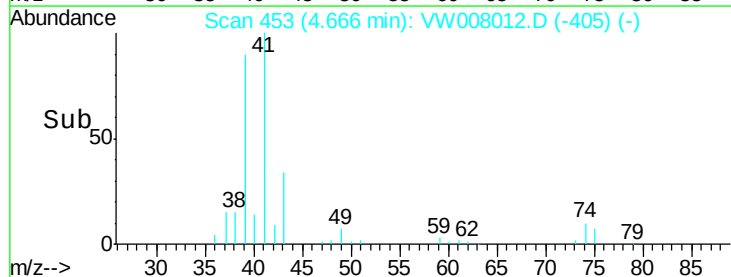
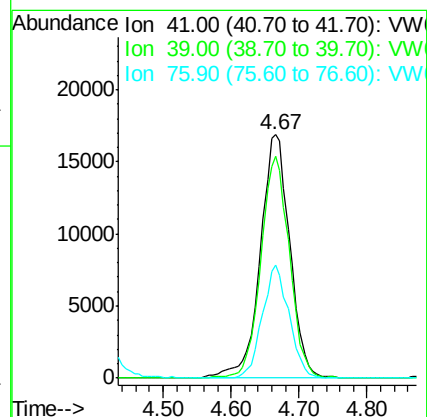
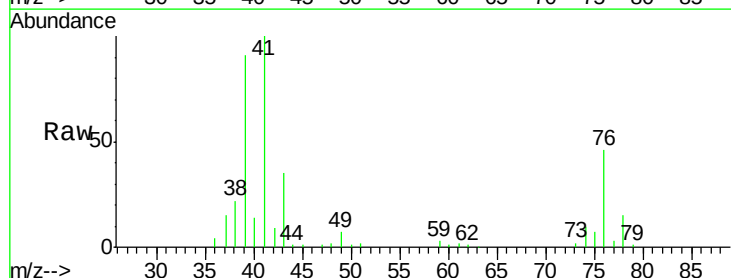
Tgt Ion: 41 Resp: 51343

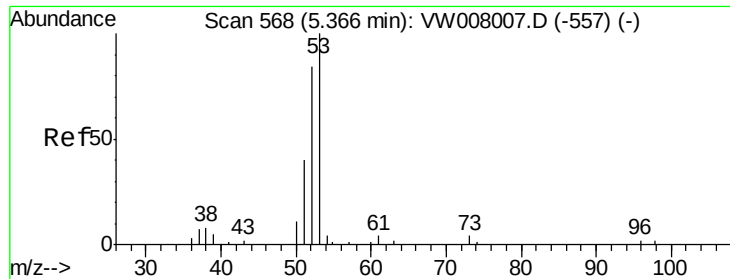
Ion Ratio Lower Upper

41 100

39 88.0 71.1 106.7

76 42.0 33.4 50.2





#15

Acrylonitrile

Concen: 245.619 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

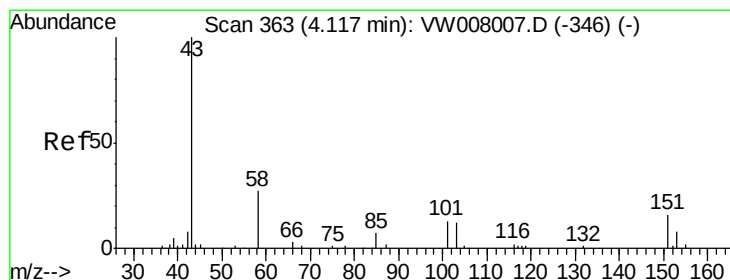
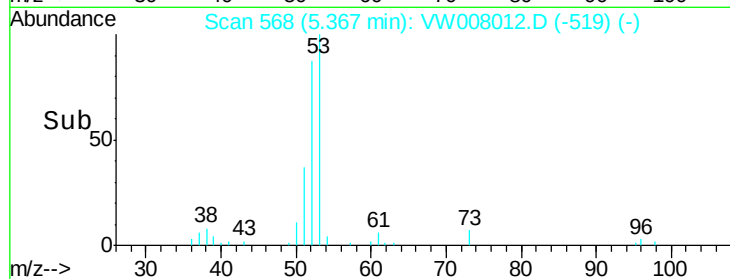
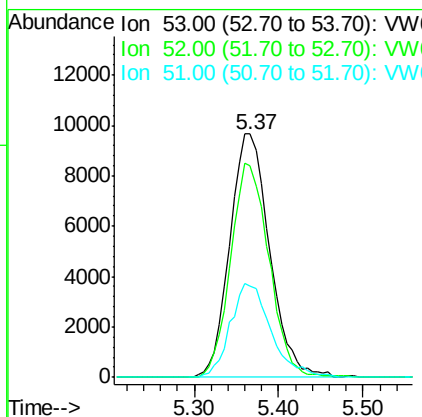
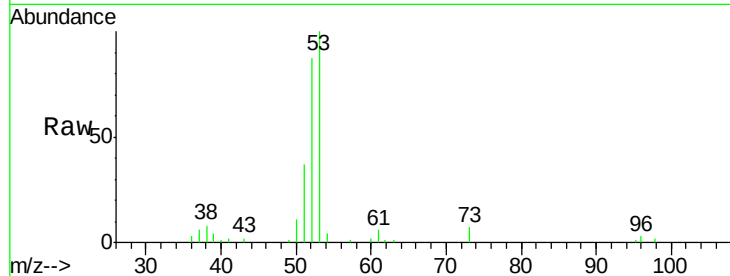
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	31001
Ion	Ratio	Lower	Upper
53	100		
52	84.6	67.8	101.8
51	39.2	31.5	47.3

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#16

Acetone

Concen: 273.739 ug/l

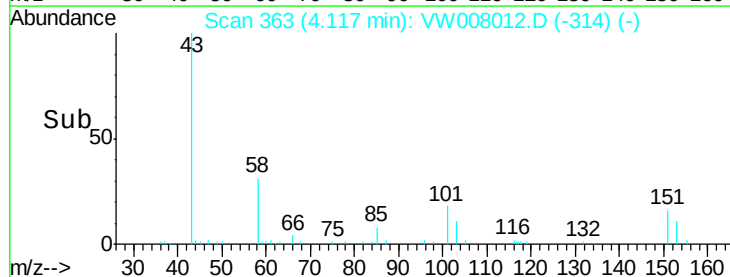
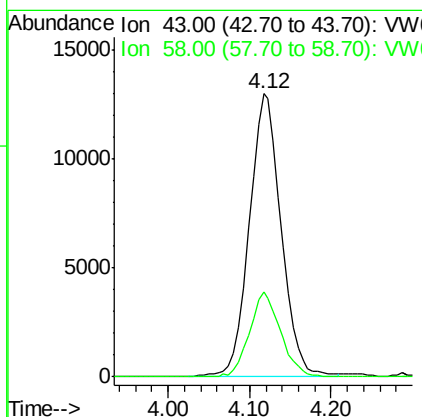
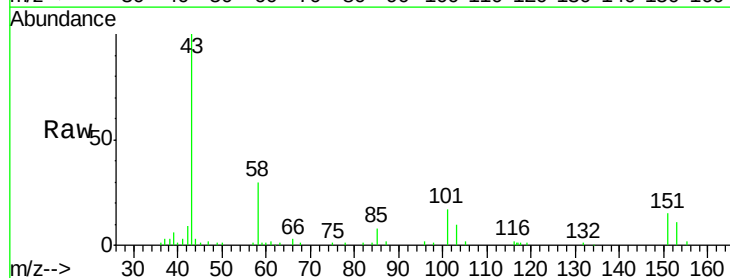
RT: 4.12 min Scan# 363

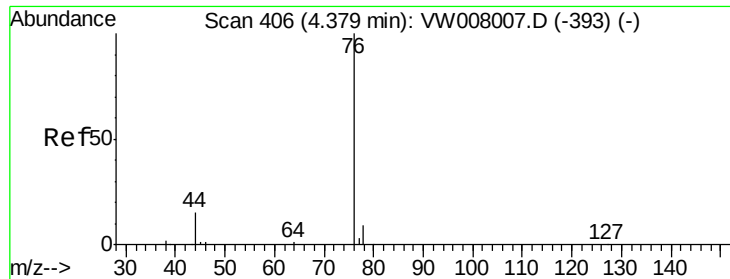
Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tgt Ion:	43	Resp:	35478
Ion	Ratio	Lower	Upper
43	100		
58	30.0	21.7	32.5





#17

Carbon Disulfide

Concen: 50.604 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 117479

Ion Ratio Lower Upper

76 100

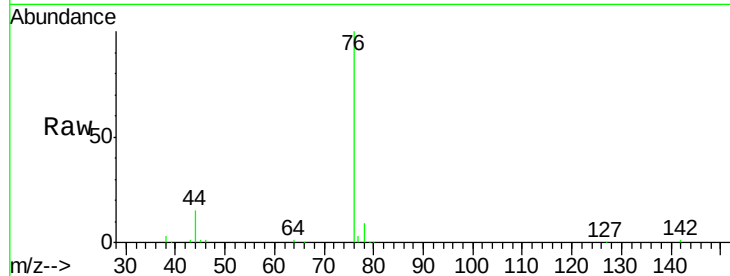
78 9.0 7.0 10.4

Manual Integrations

APPROVED

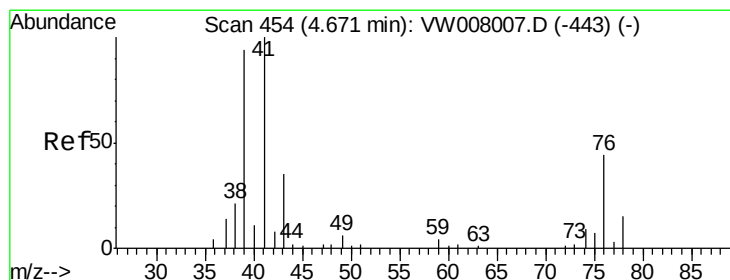
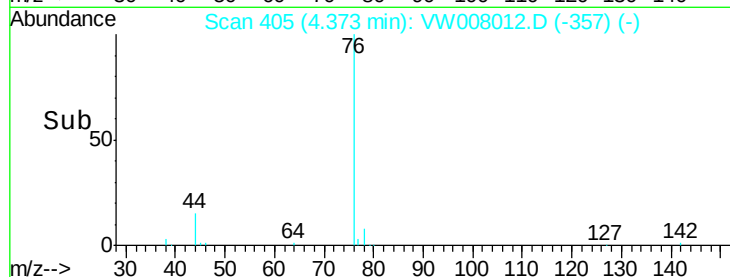
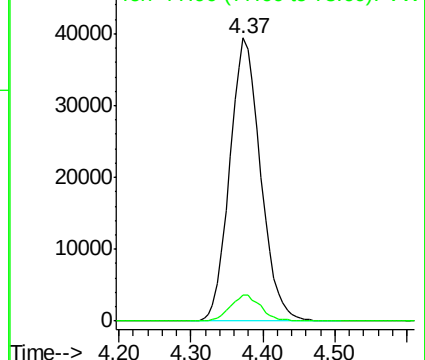
MMDadoda

1/4/2019 12:02:05 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 51.052 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008012.D

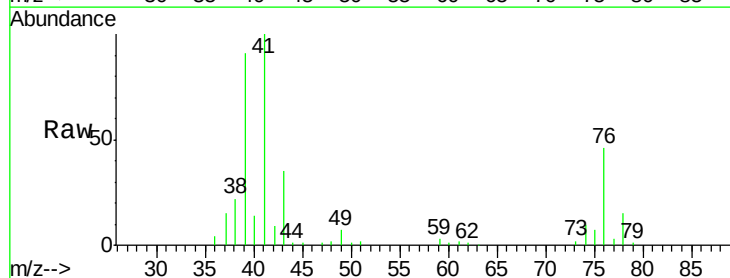
Acq: 03 Jan 2019 11:03

Tgt Ion: 43 Resp: 17159

Ion Ratio Lower Upper

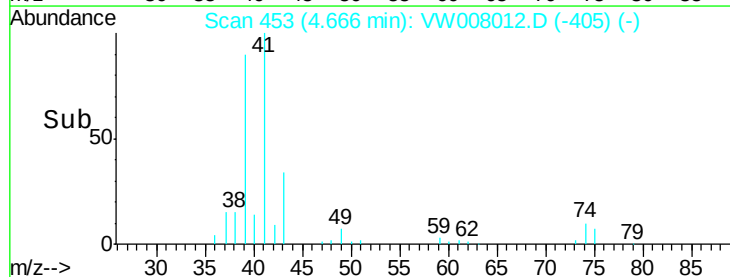
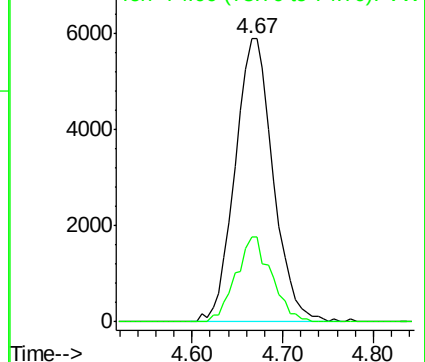
43 100

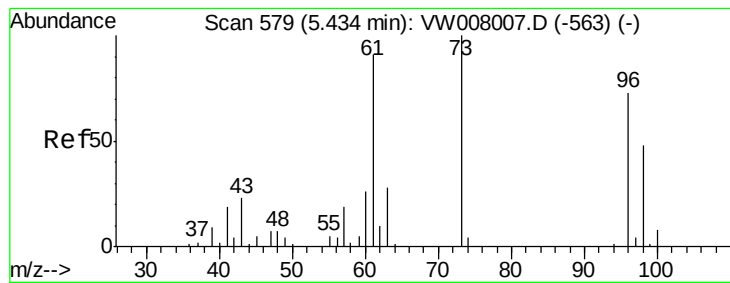
74 28.1 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

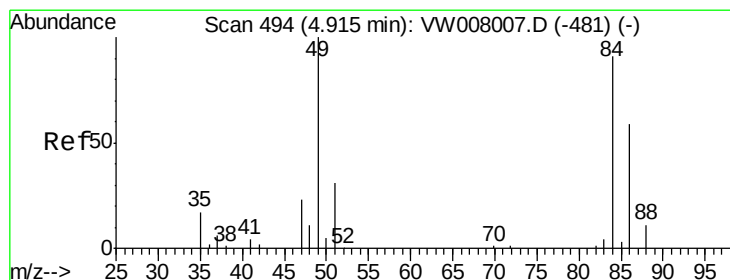
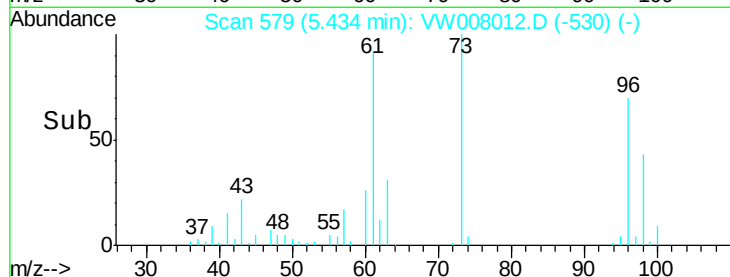
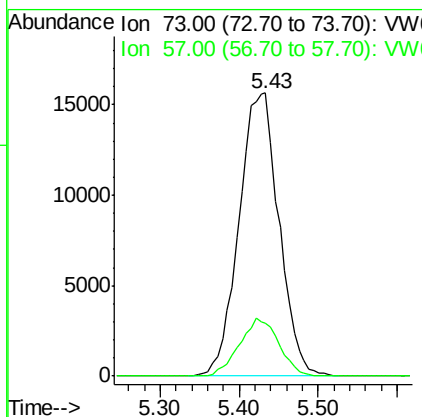
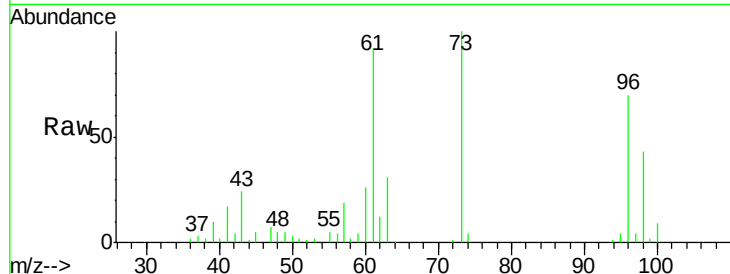
Methyl tert-butyl Ether
 Concen: 46.161 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	15.4	23.0

Manual Integrations
 APPROVED

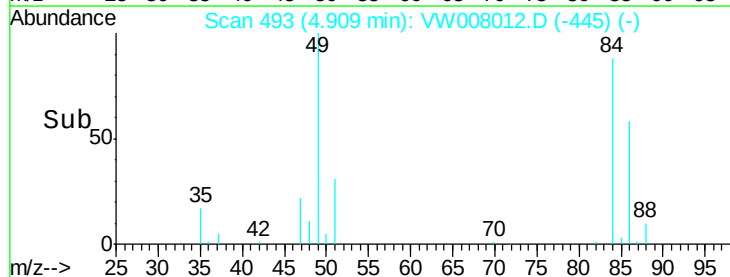
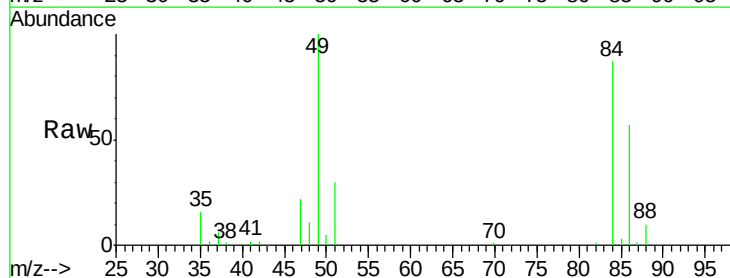
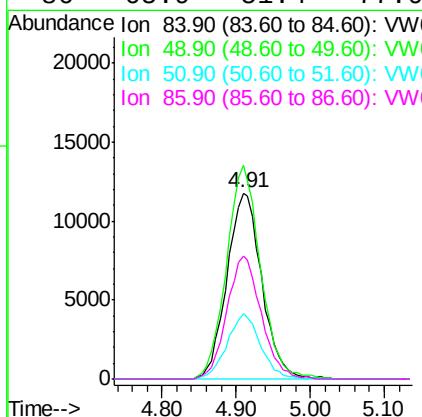
MMDadoda
 1/4/2019 12:02:05 PM

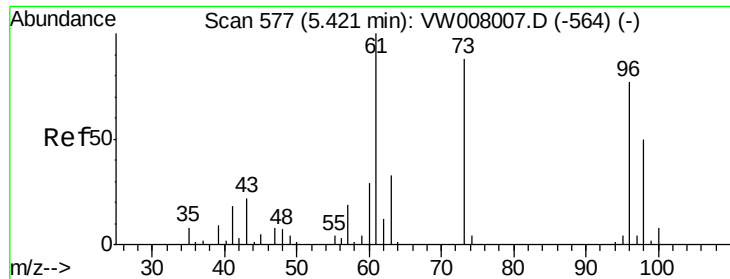


#20

Methylene Chloride
 Concen: 48.225 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.7	87.7	131.5
51	34.9	27.3	40.9
86	65.9	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 49.294 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

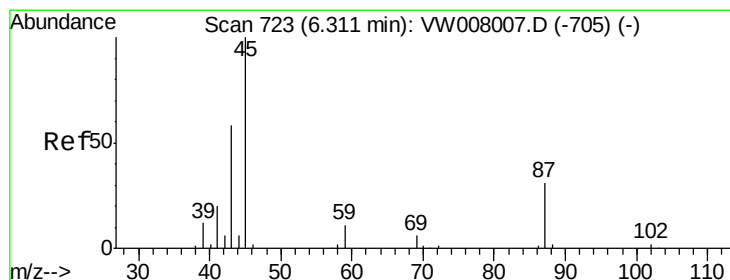
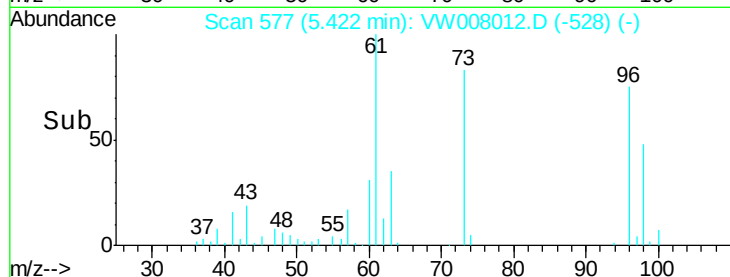
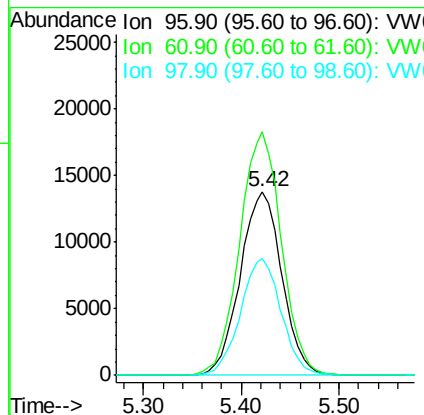
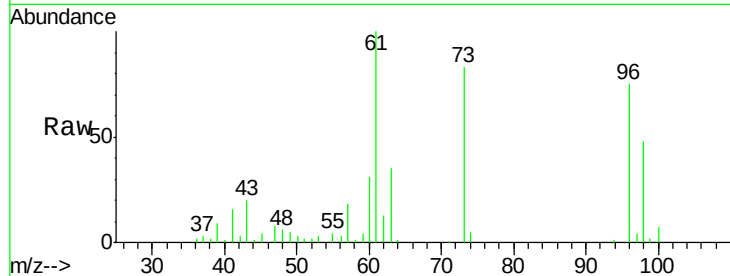
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	40761
Ion	Ratio	Lower	Upper
96	100		
61	132.5	104.2	156.2
98	63.8	51.8	77.6

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#22

Diisopropyl ether

Concen: 49.892 ug/l

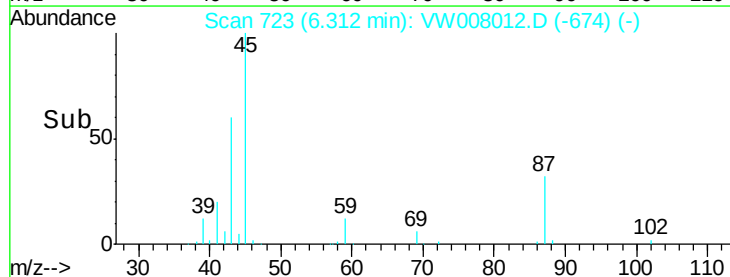
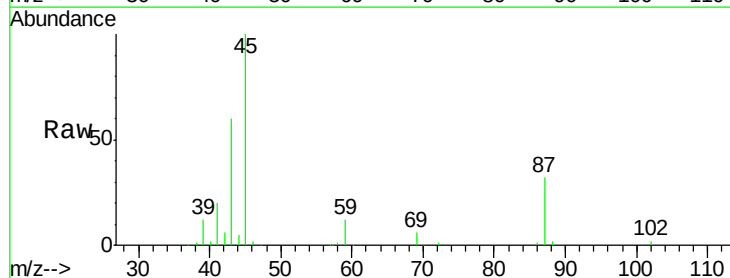
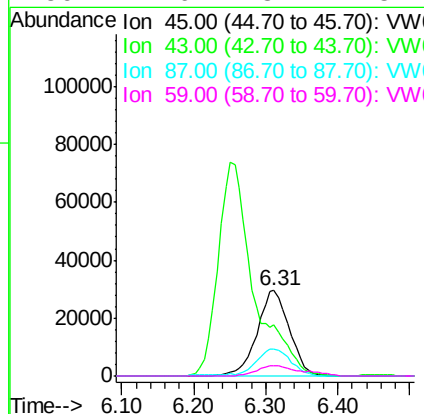
RT: 6.31 min Scan# 723

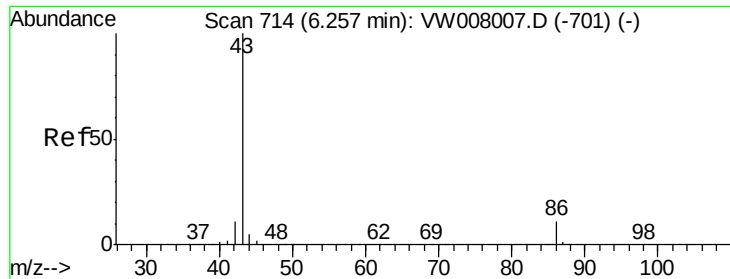
Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tgt Ion:	45	Resp:	92204
Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.1	72.1
87	32.2	25.8	38.8
59	11.6	8.7	13.1





#23

Vinyl Acetate

Concen: 245.520 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 253866

Ion Ratio Lower Upper

43 100

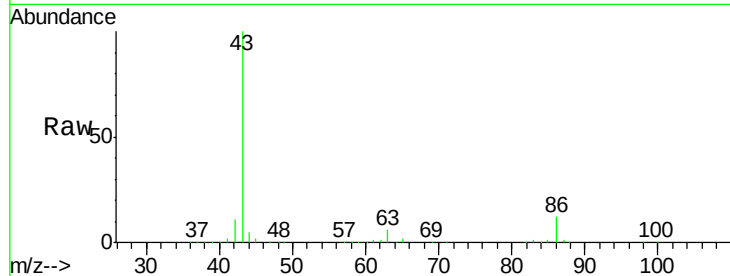
86 11.8 8.8 13.2

Manual Integrations

APPROVED

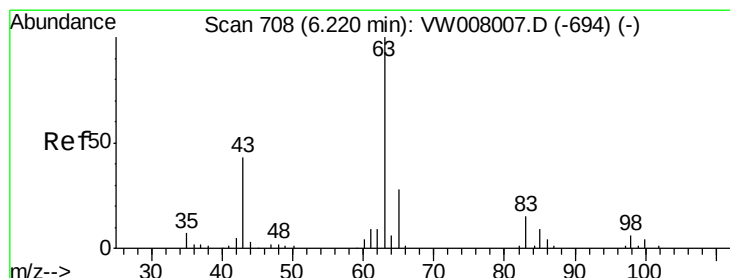
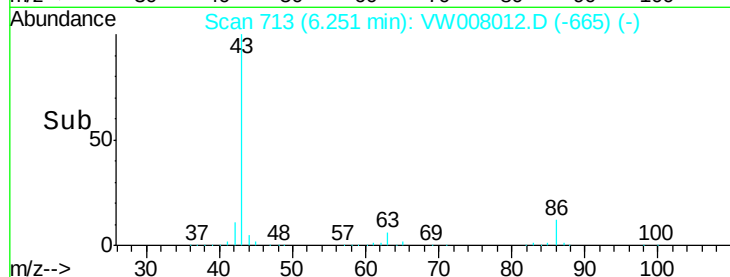
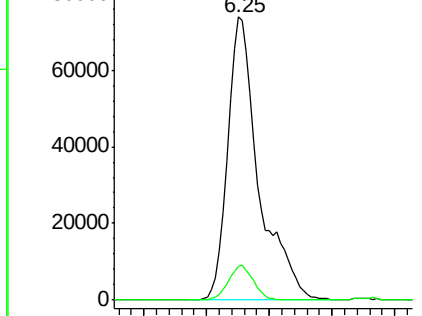
MMDadoda

1/4/2019 12:02:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.223 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

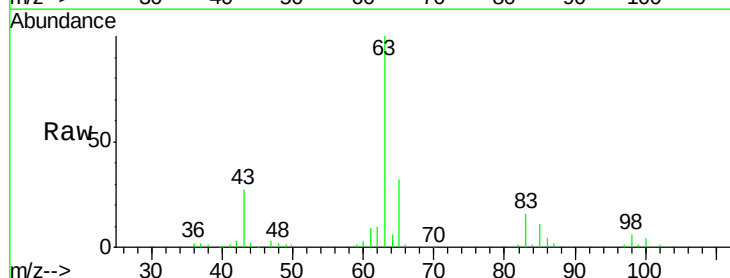
Tgt Ion: 63 Resp: 66216

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

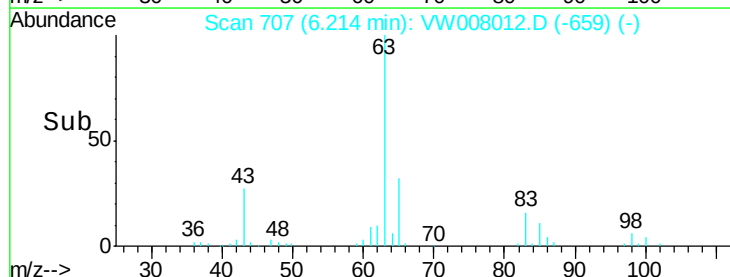
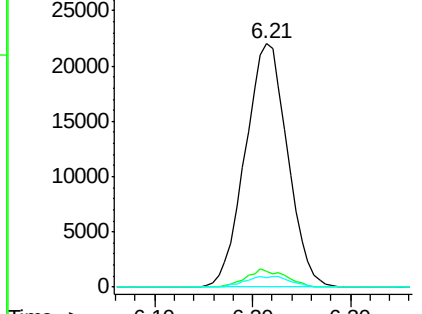
100 4.1 2.1 6.2

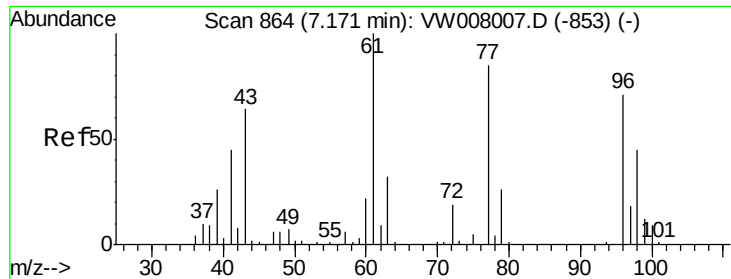


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 253.362 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 38689

Ion Ratio Lower Upper

43 100

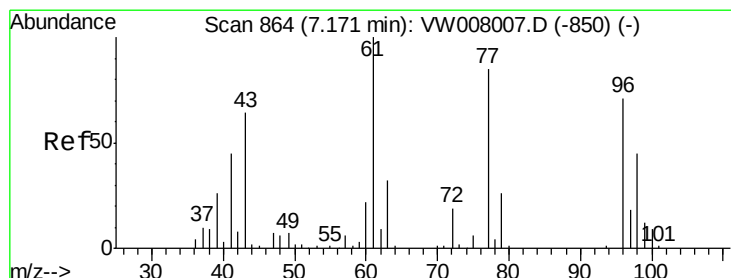
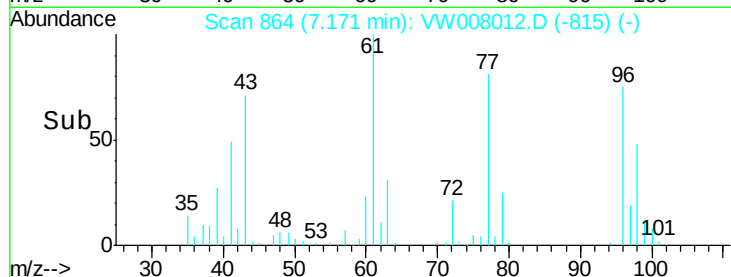
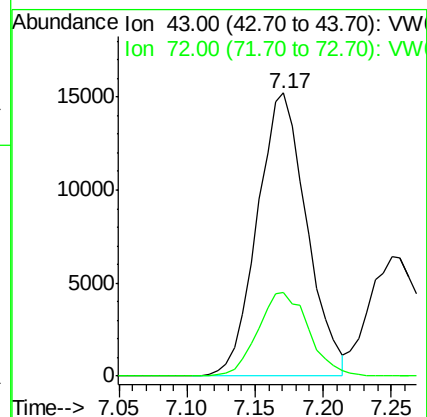
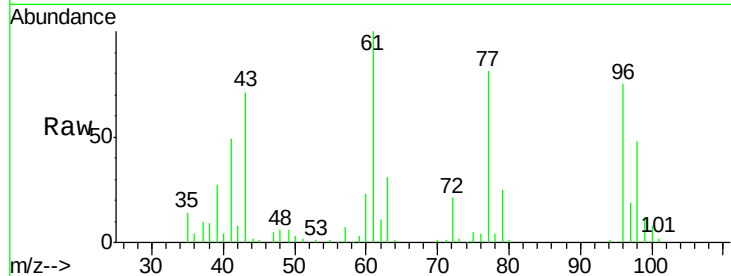
72 29.4 23.8 35.8

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:05 PM



#26

2,2-Dichloropropane

Concen: 46.883 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008012.D

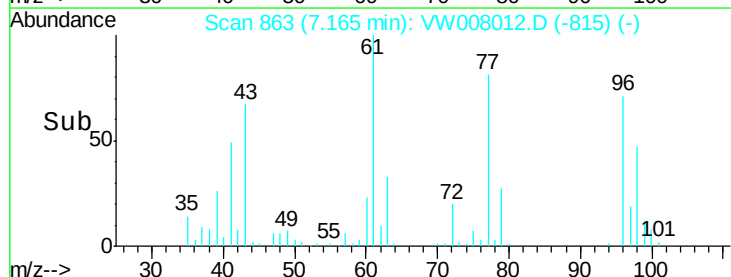
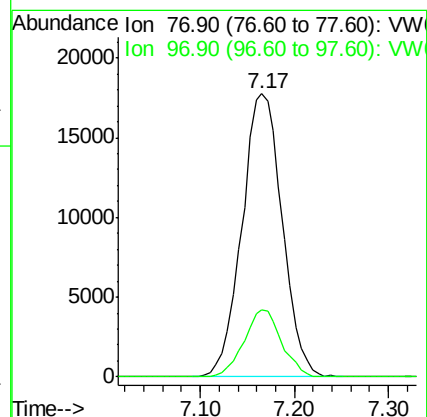
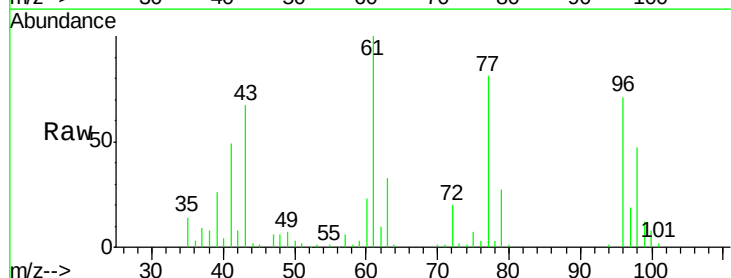
Acq: 03 Jan 2019 11:03

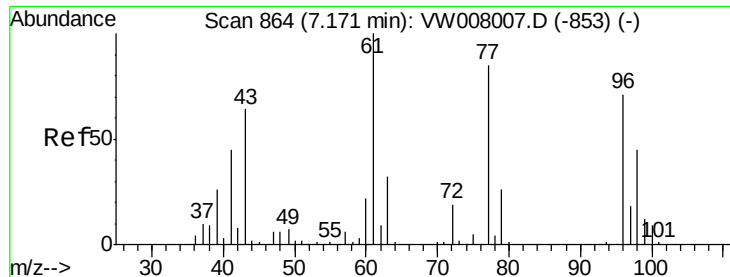
Tgt Ion: 77 Resp: 53038

Ion Ratio Lower Upper

77 100

97 22.1 11.0 33.0





#27

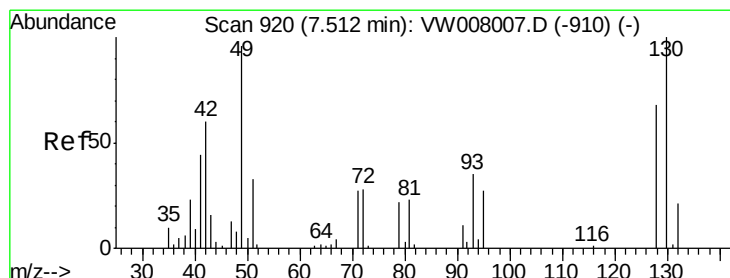
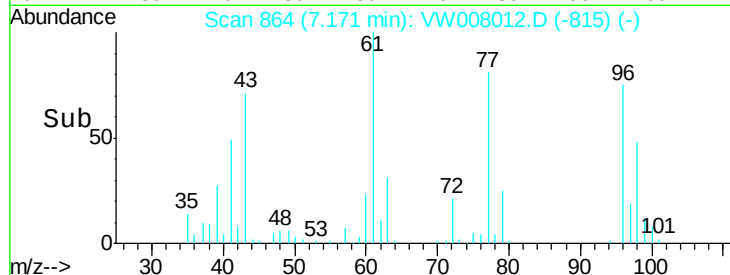
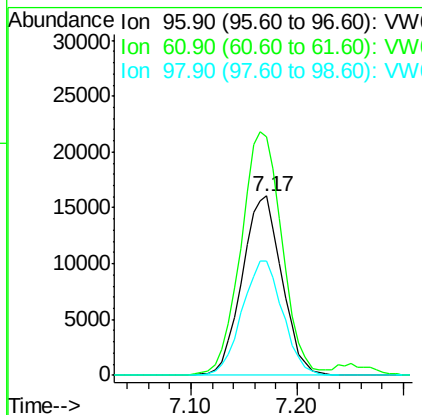
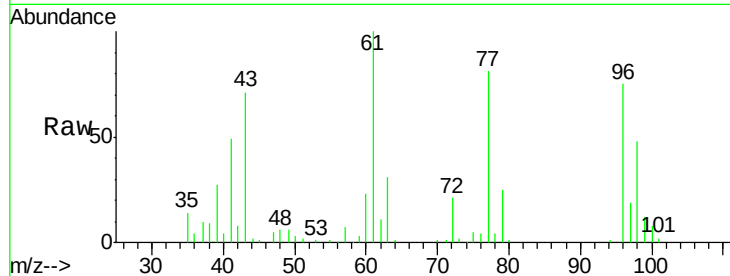
cis-1,2-Dichloroethene
Concen: 47.680 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	286.4
98	65.1	0.0	130.6

Manual Integrations
APPROVED

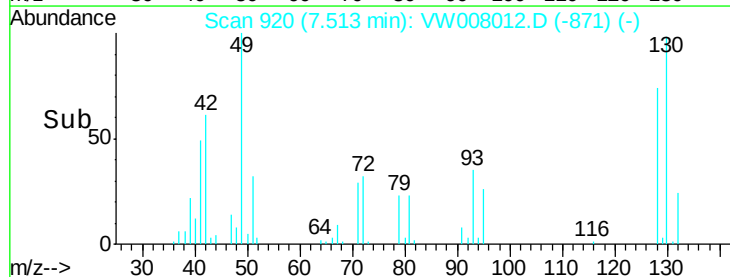
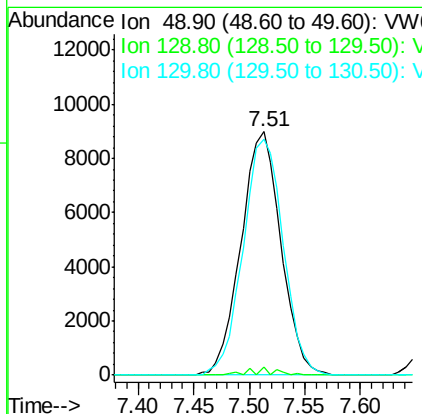
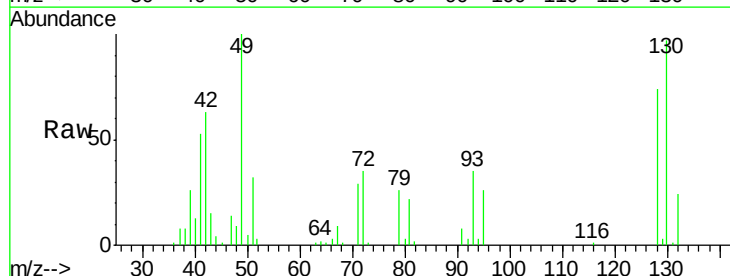
MMDadoda
1/4/2019 12:02:05 PM

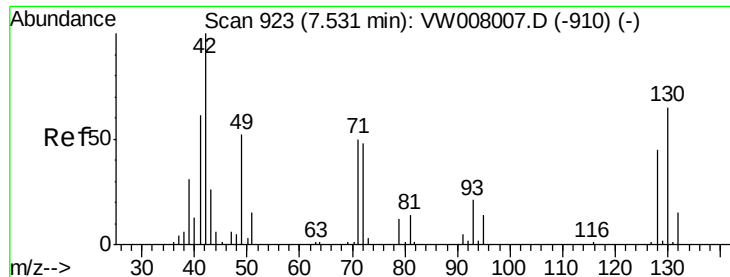


#28

Bromochloromethane
Concen: 50.809 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	0.8#
130	97.7	78.5	117.7





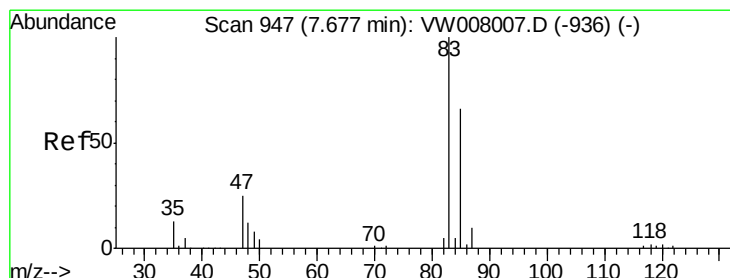
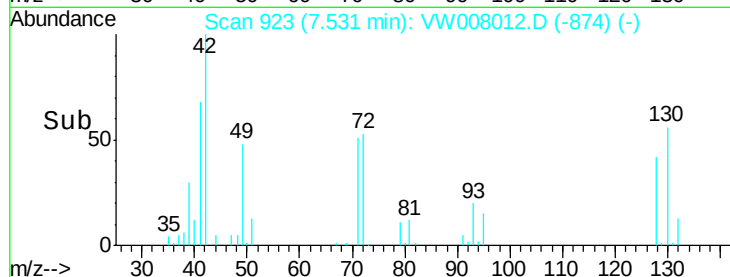
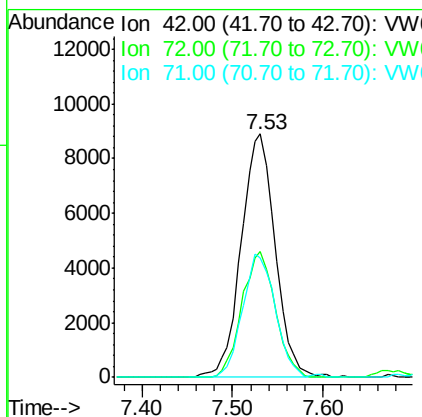
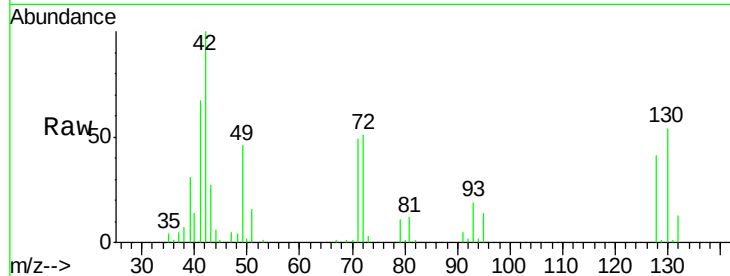
#29
Tetrahydrofuran
Concen: 243.844 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.9	39.0	58.6
71	48.5	39.1	58.7

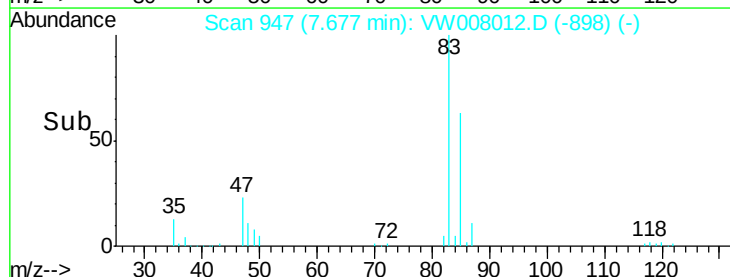
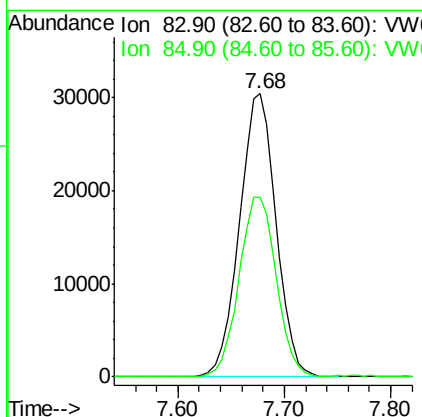
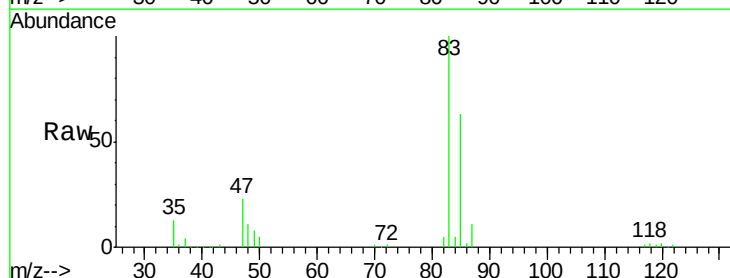
Manual Integrations
APPROVED

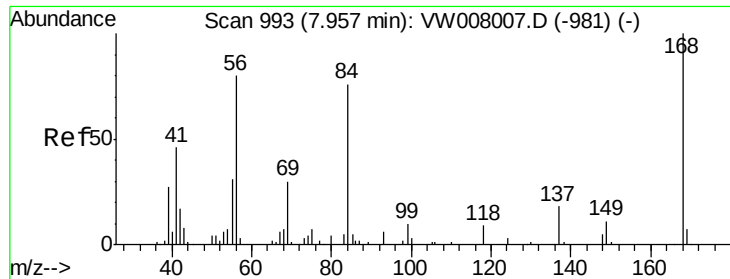
MMDadoda
1/4/2019 12:02:05 PM



#30
Chloroform
Concen: 47.575 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.7	79.1





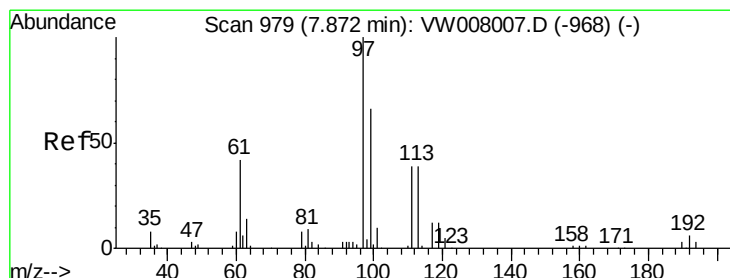
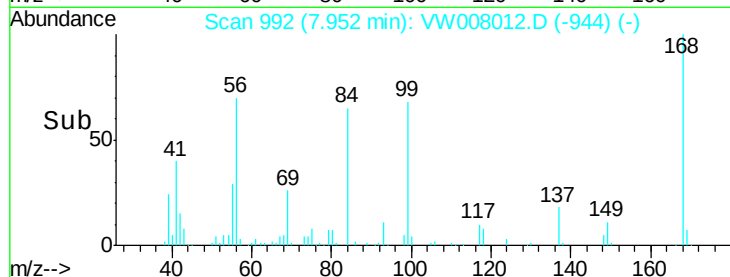
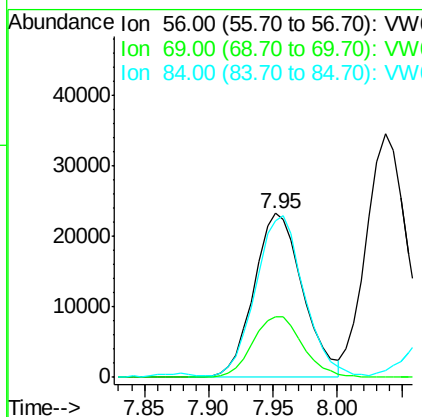
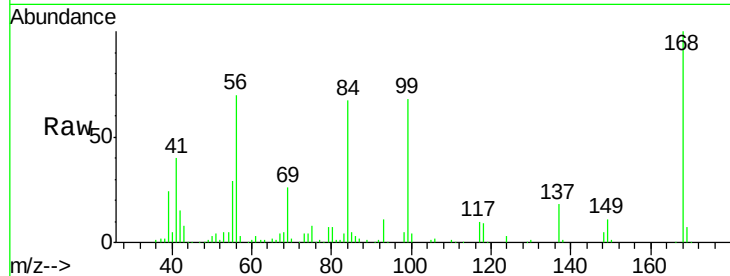
#31
Cyclohexane
Concen: 47.761 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	29.8	44.6
84	94.1	75.2	112.8

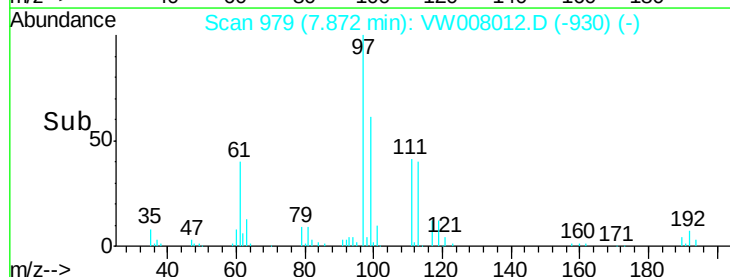
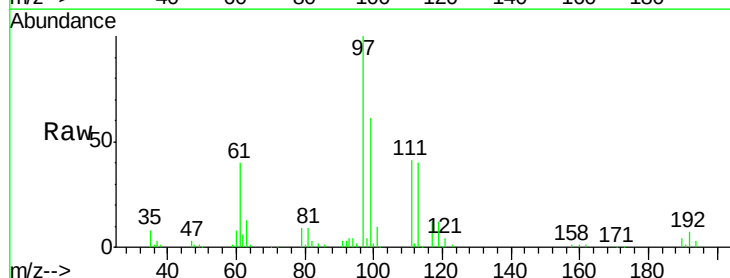
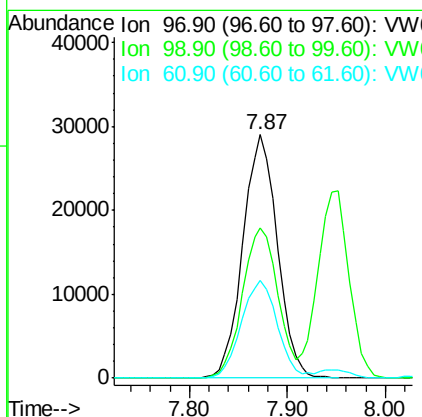
Manual Integrations
APPROVED

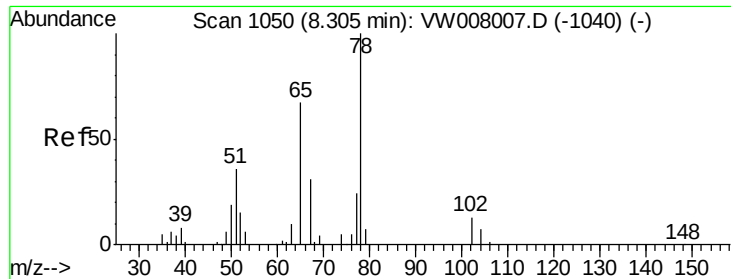
MMDadoda
1/4/2019 12:02:05 PM



#32
1,1,1-Trichloroethane
Concen: 48.403 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	42.2	33.4	50.0





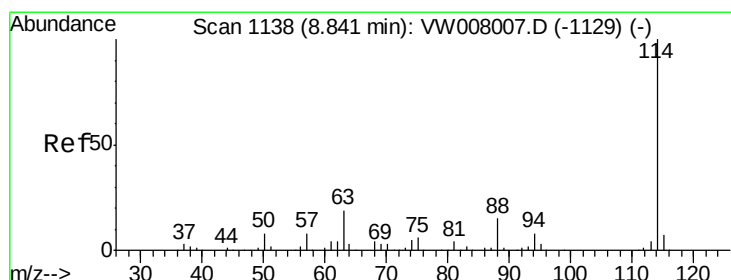
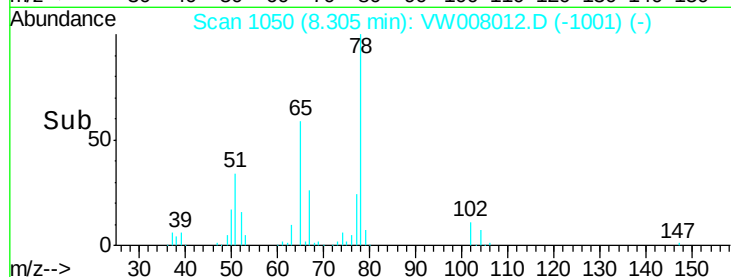
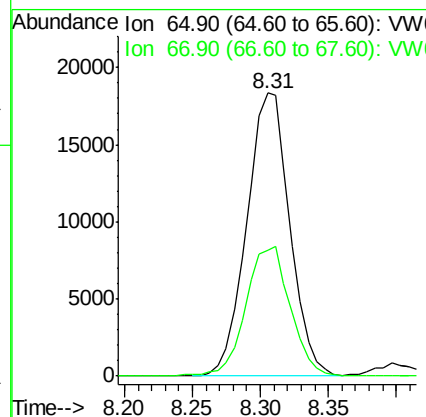
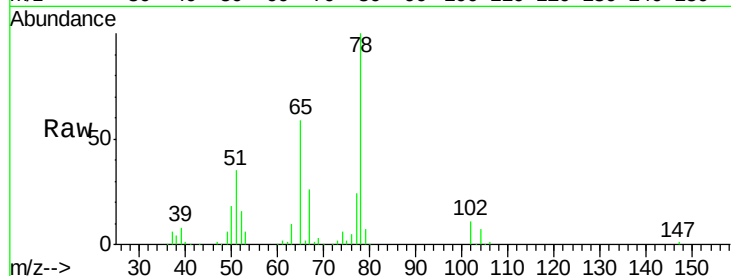
#33
 1,2-Dichloroethane-d4
 Concen: 48.570 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	47.4	0.0	94.8	

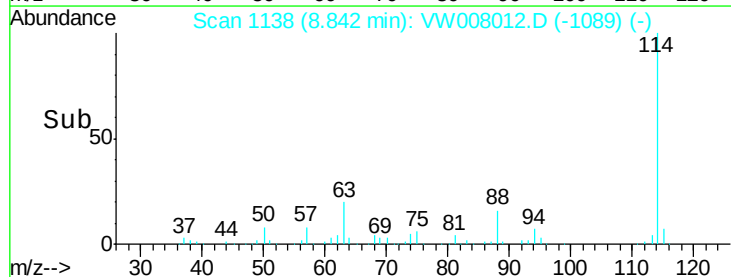
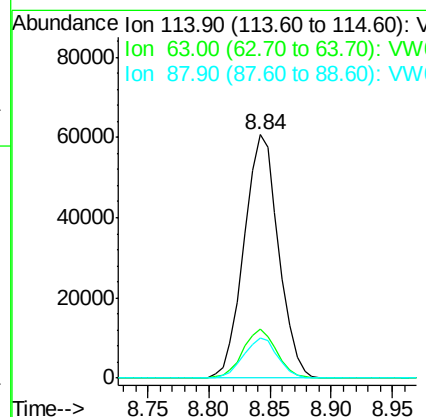
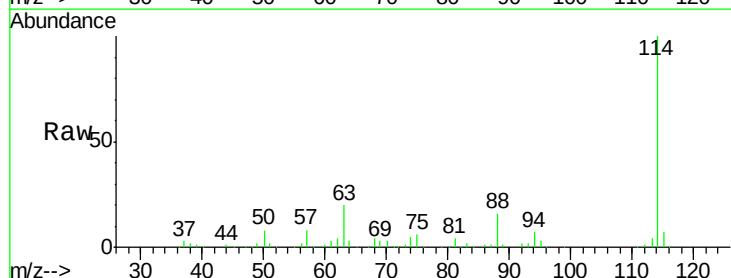
Manual Integrations
 APPROVED

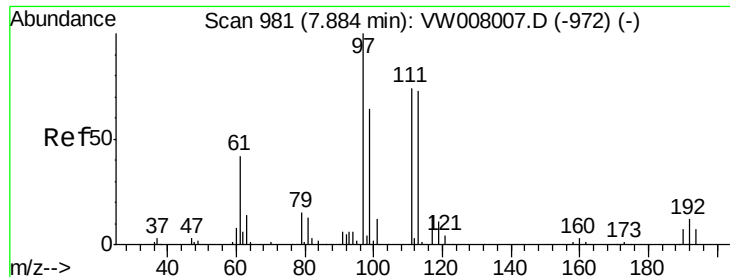
MMDadoda
 1/4/2019 12:02:05 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	37.8	
88	16.4	0.0	31.0	





#35

Dibromofluoromethane

Concen: 47.993 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

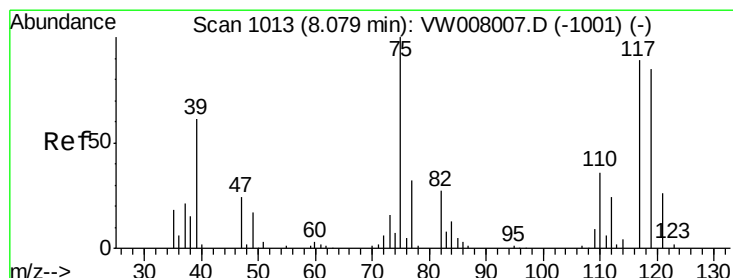
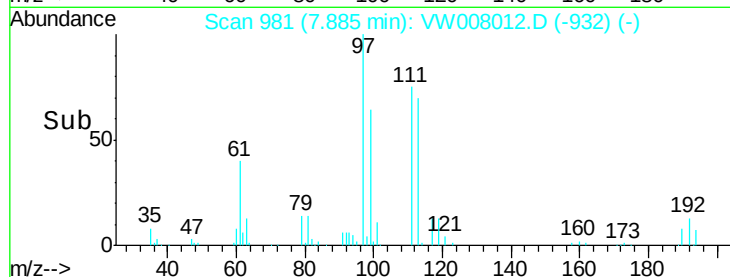
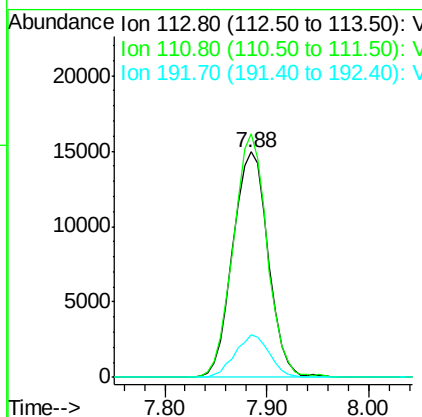
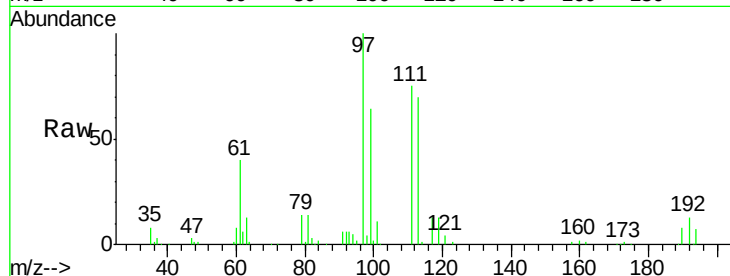
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	35921
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.0
192	18.3	14.8	22.2

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#36

1,1-Dichloropropene

Concen: 50.241 ug/l

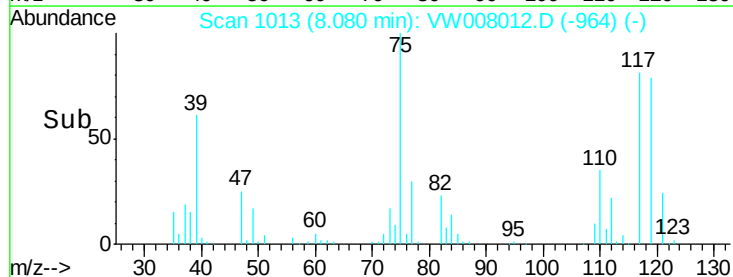
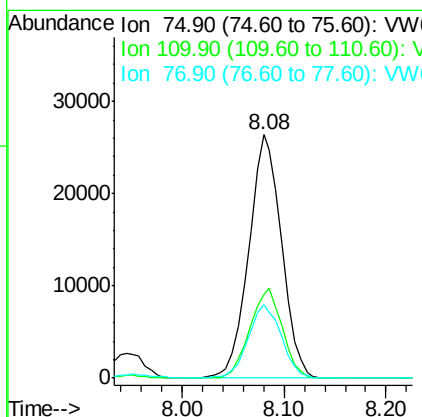
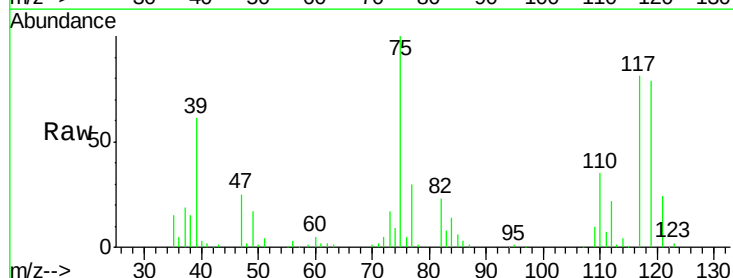
RT: 8.08 min Scan# 1013

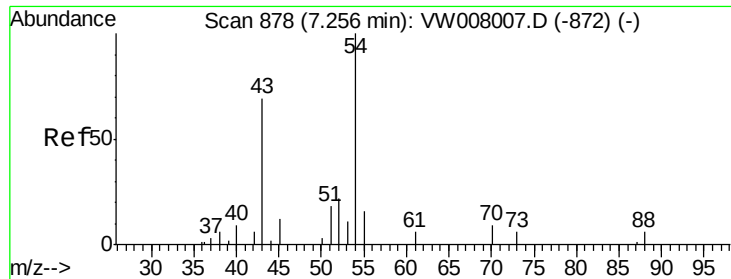
Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tgt Ion:	75	Resp:	58842
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.3
77	30.8	25.3	37.9





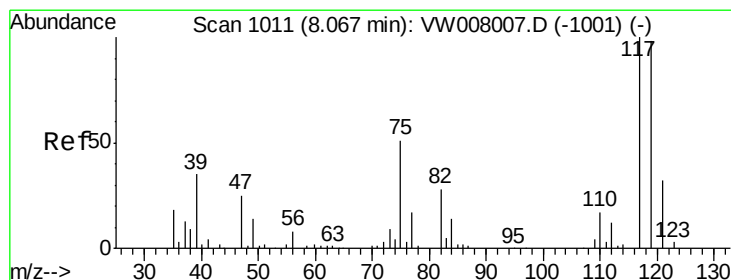
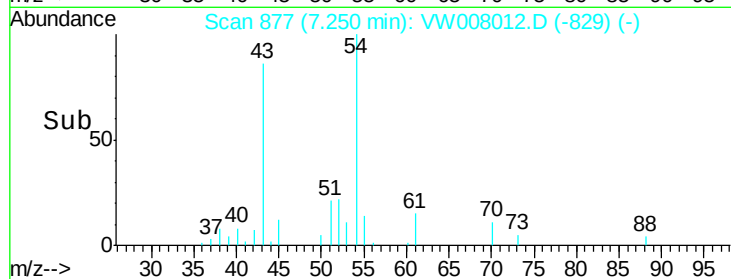
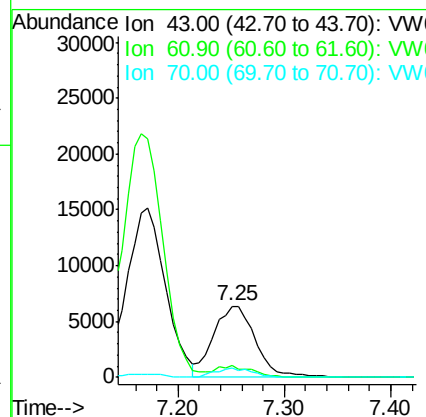
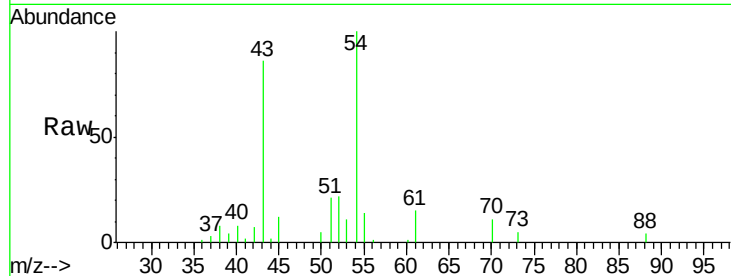
#37
Ethyl Acetate
Concen: 49.574 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.4	17.2
70	11.2	9.4	14.0

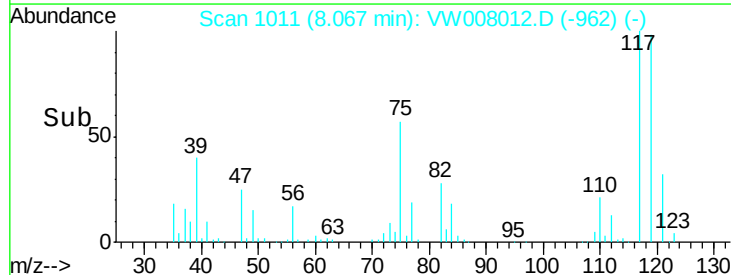
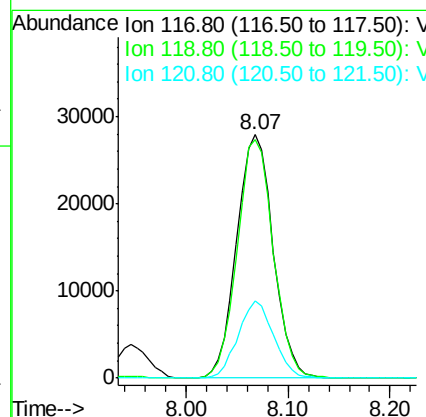
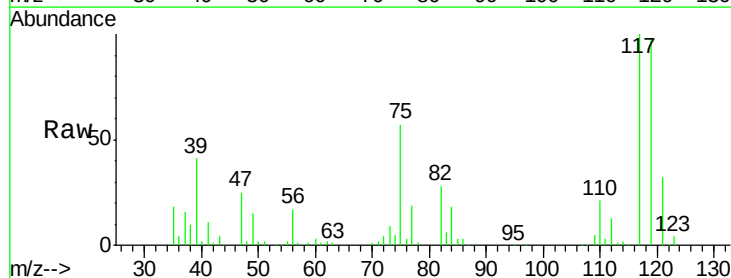
Manual Integrations
APPROVED

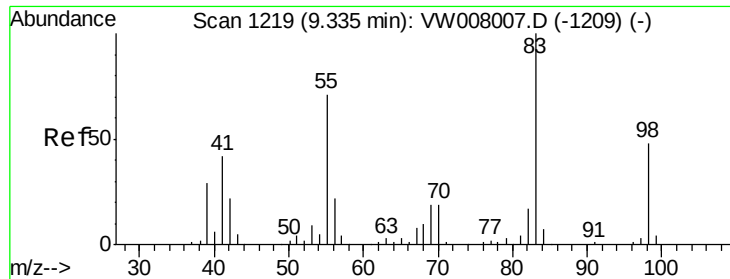
MMDadoda
1/4/2019 12:02:05 PM



#38
Carbon Tetrachloride
Concen: 49.388 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.7	118.1
121	31.6	25.8	38.8





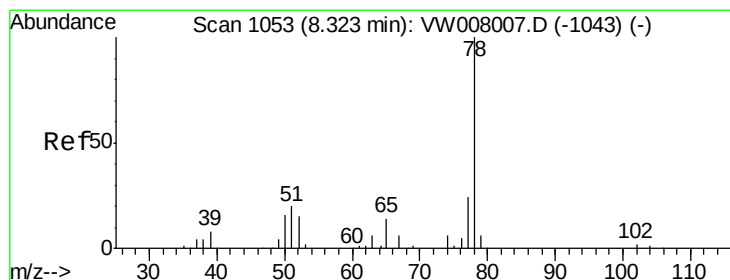
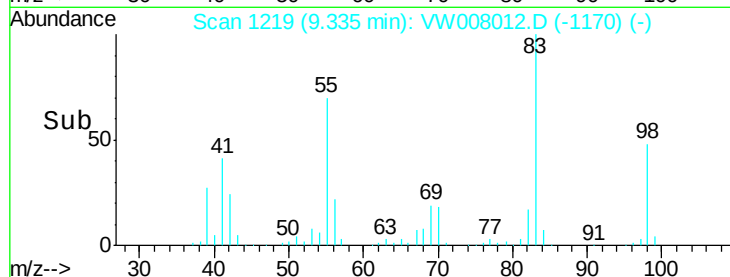
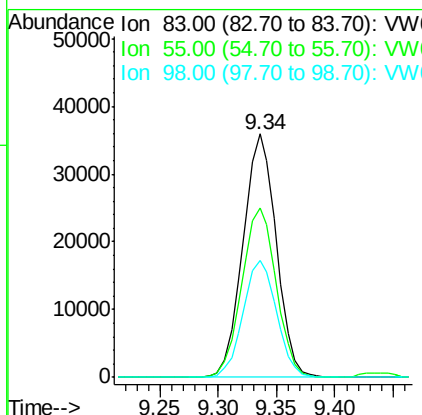
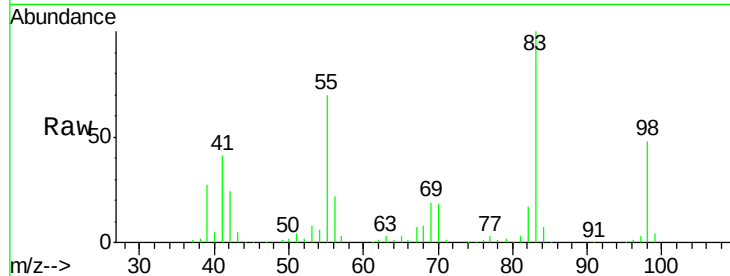
#39
Methylvlcyclohexane
Concen: 49.131 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	71725
Ion Ratio	100	Lower	Upper
83	100		
55	69.8	56.8	85.2
98	48.2	38.6	58.0

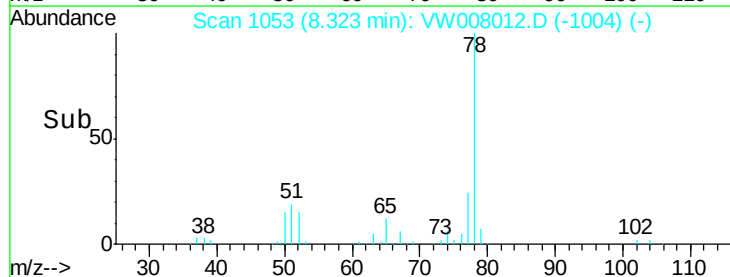
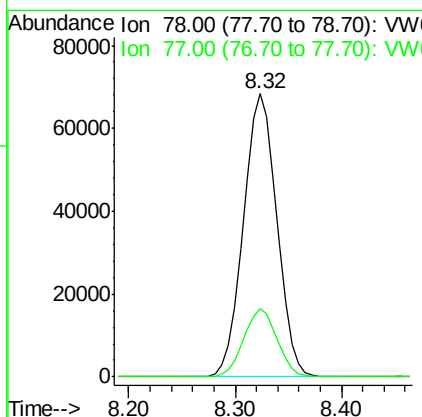
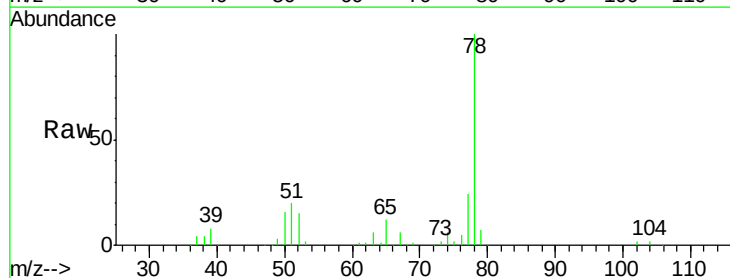
Manual Integrations
APPROVED

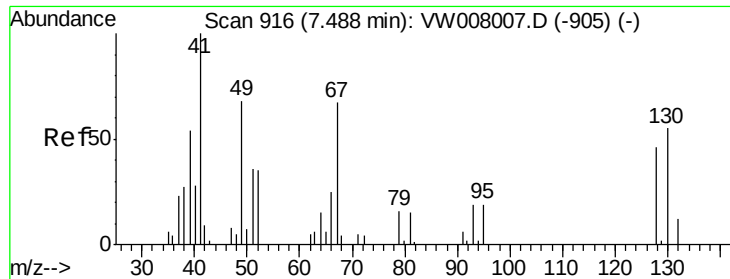
MMDadoda
1/4/2019 12:02:05 PM



#40
Benzene
Concen: 48.816 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	78	Resp	150828
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.0	28.6





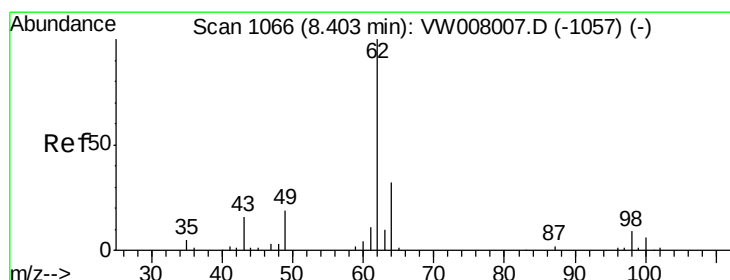
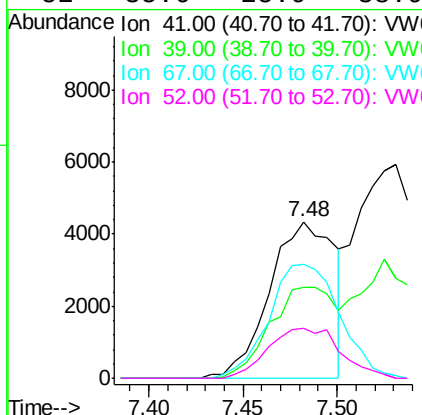
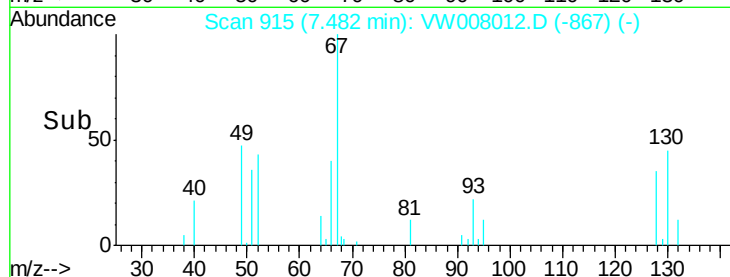
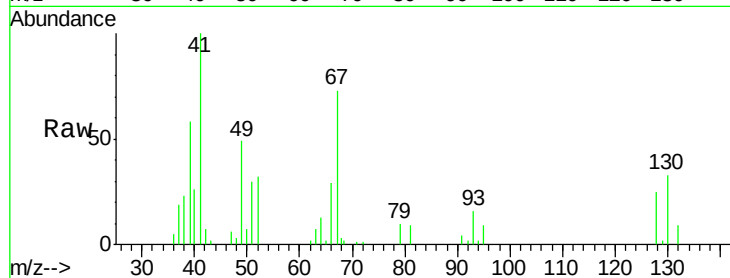
#41
Methacrylonitrile
Concen: 50.328 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	10410
Ion	Ratio	Lower	Upper
41	100		
39	58.3	48.6	72.8
67	79.2	55.6	83.4
52	35.6	25.9	38.9

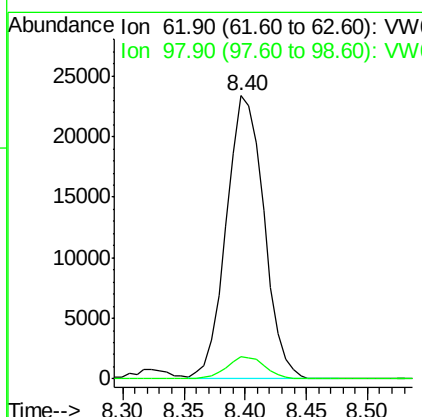
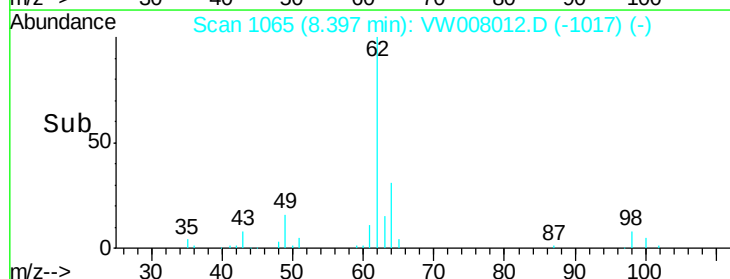
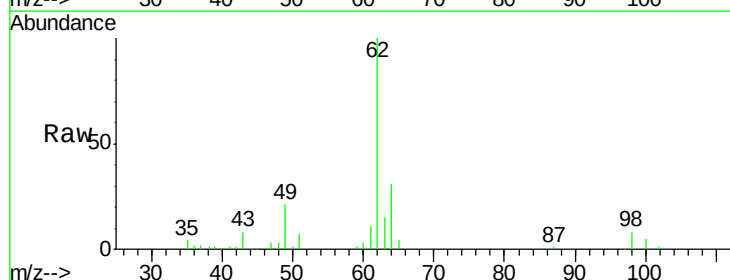
Manual Integrations
APPROVED

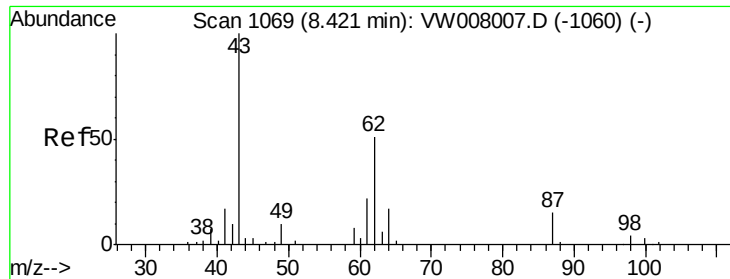
MMDadoda
1/4/2019 12:02:05 PM



#42
1,2-Dichloroethane
Concen: 48.435 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion:	62	Resp:	49861
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

Isopropyl Acetate

Concen: 49.572 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

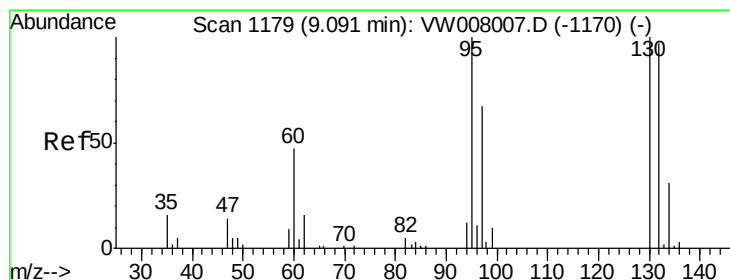
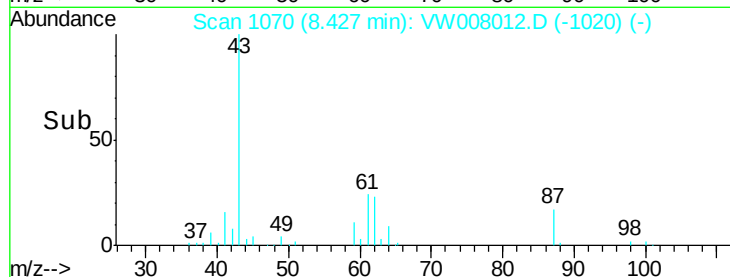
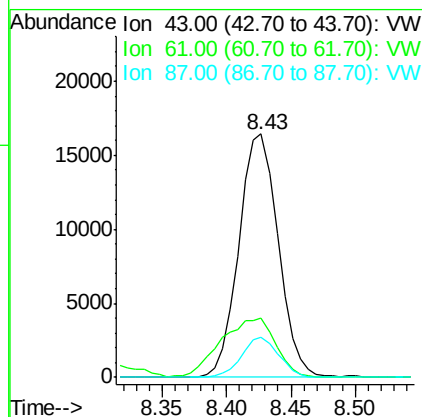
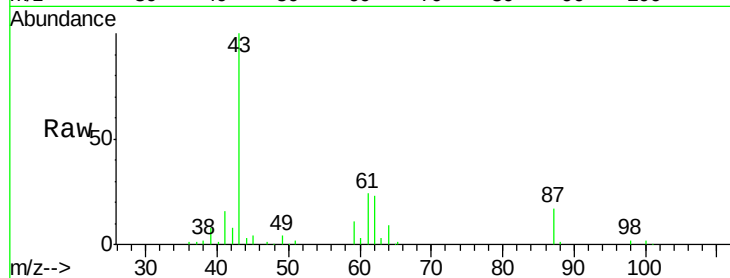
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	34845
Ion	Ratio	Lower	Upper
43	100		
61	33.9	26.4	39.6
87	15.3	12.0	18.0

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#44

Trichloroethene

Concen: 49.329 ug/l

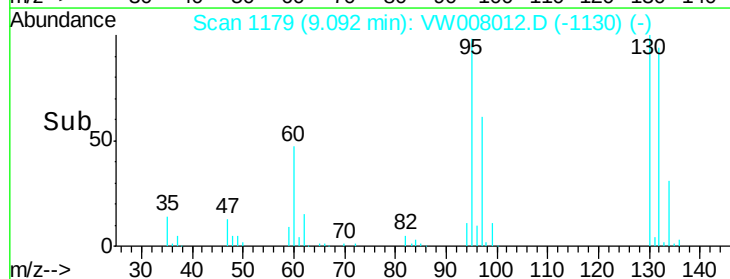
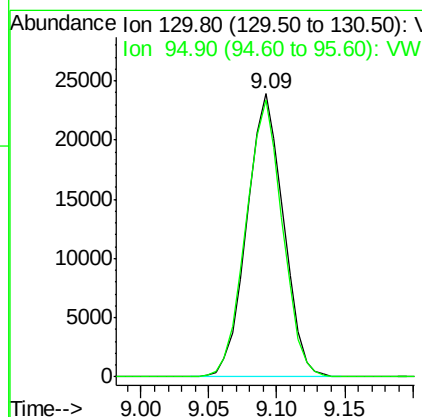
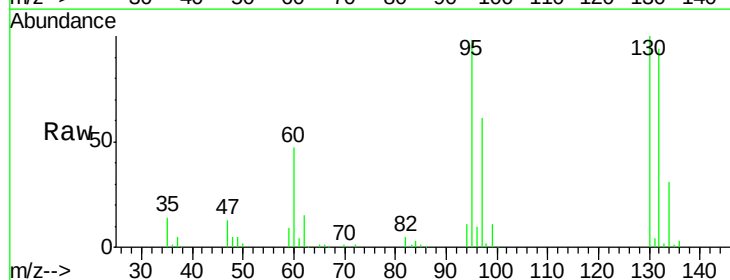
RT: 9.09 min Scan# 1179

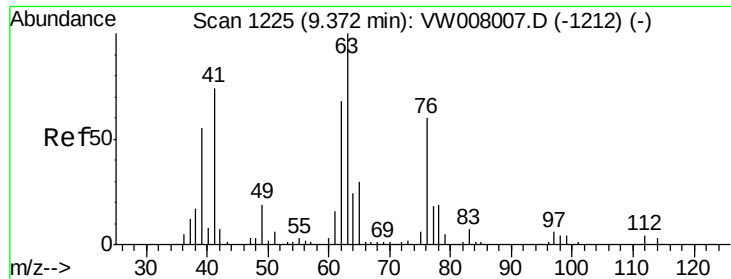
Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tgt Ion:	130	Resp:	44976
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	200.0





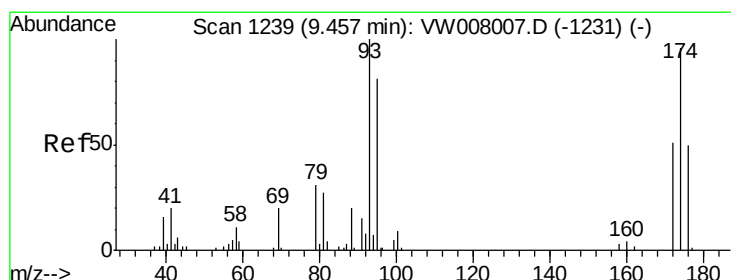
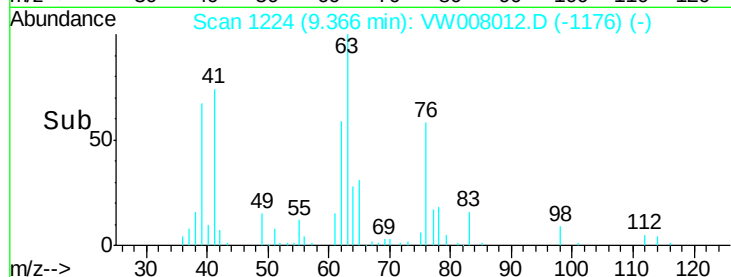
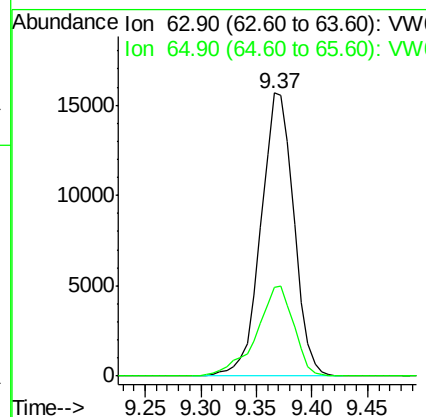
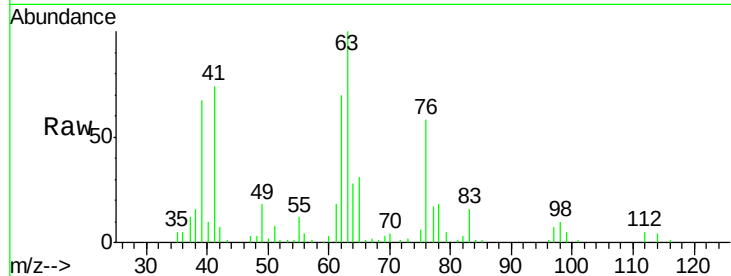
#45
 1,2-Dichloropropane
 Concen: 48.415 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.4

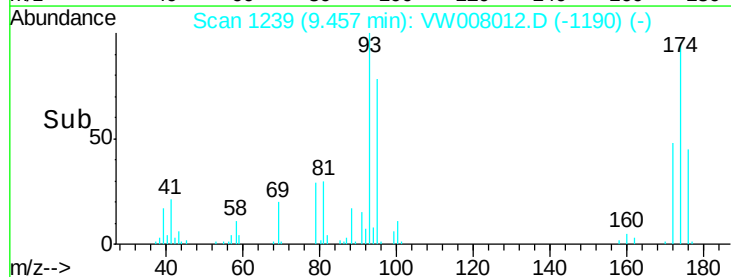
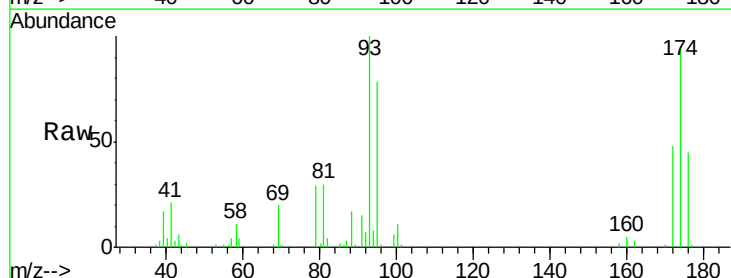
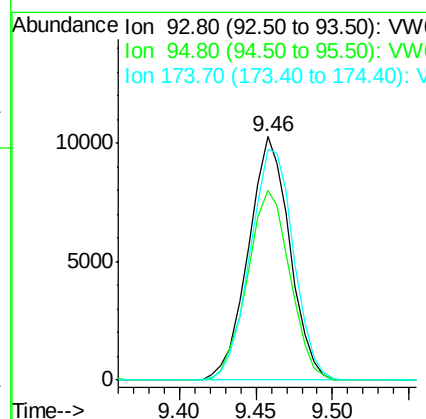
Manual Integrations
 APPROVED

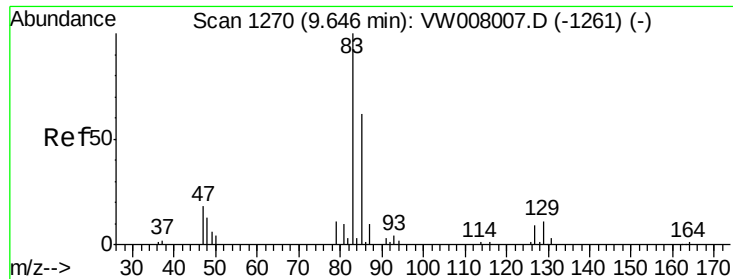
MMDadoda
 1/4/2019 12:02:05 PM



#46
 Dibromomethane
 Concen: 49.419 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.1	63.9	95.9
174	99.9	79.0	118.6





#47

Bromodichloromethane

Concen: 48.501 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

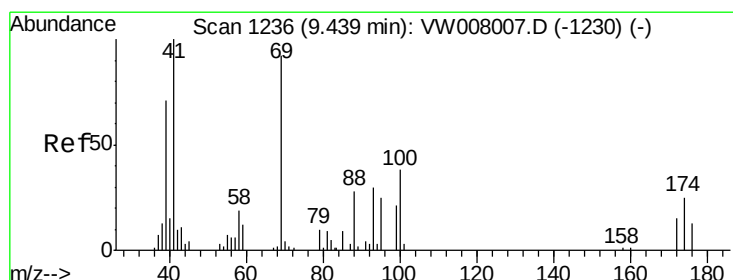
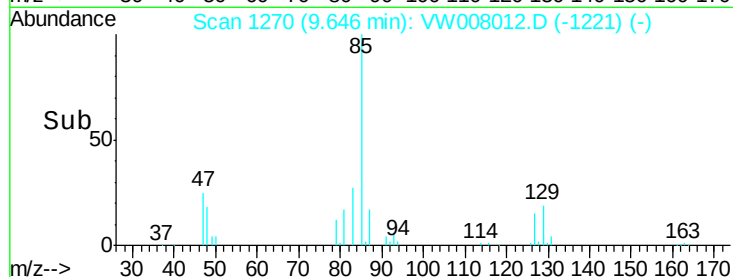
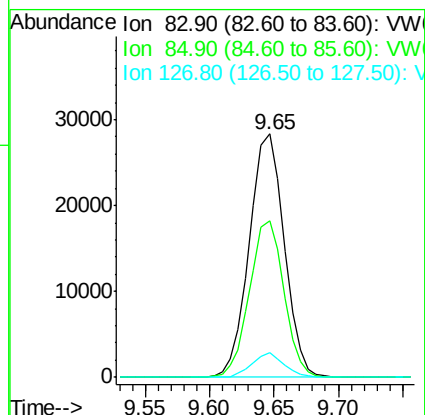
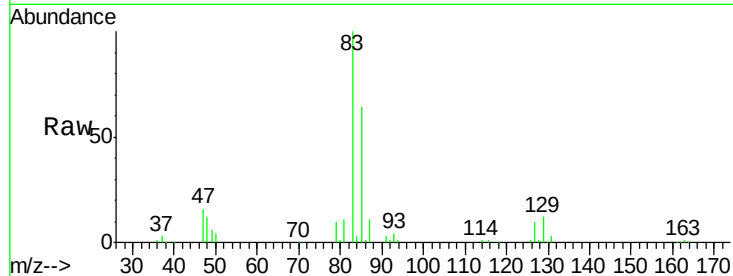
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	53117
Ion Ratio	Lower	Upper	
83	100		
85	64.5	49.5	74.3
127	9.9	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#48

Methyl methacrylate

Concen: 48.225 ug/l

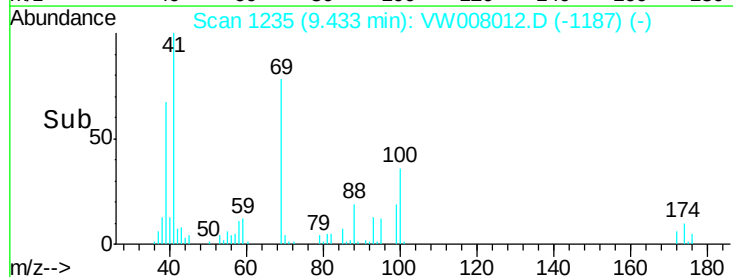
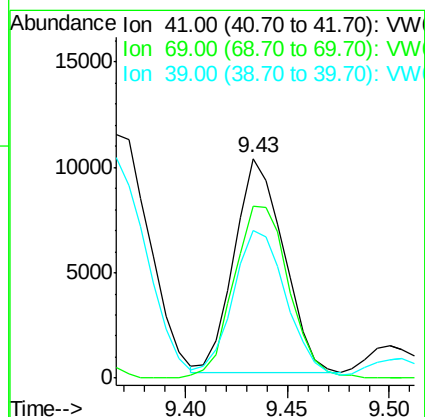
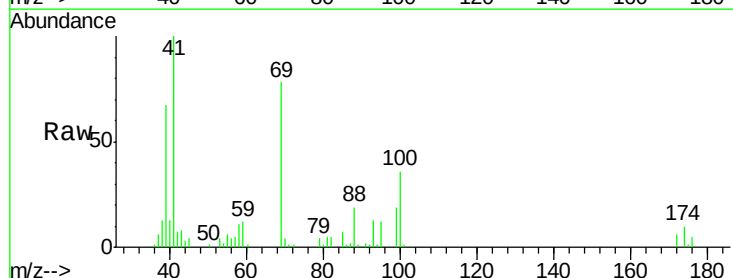
RT: 9.43 min Scan# 1235

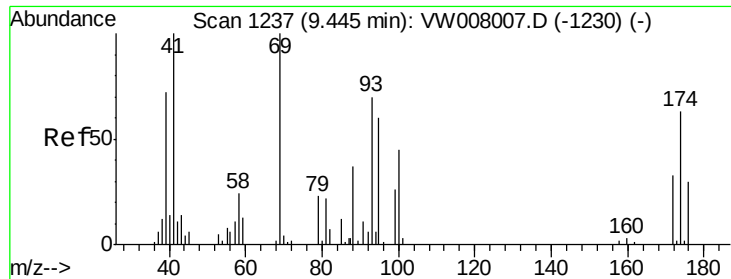
Delta R.T. -0.01 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tgt Ion:	41	Resp:	17092
Ion Ratio	Lower	Upper	
41	100		
69	89.6	72.3	108.5
39	71.8	58.7	88.1





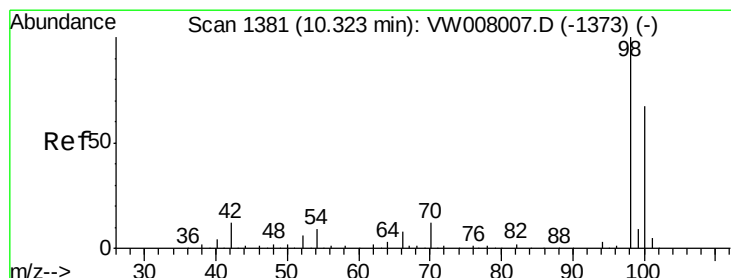
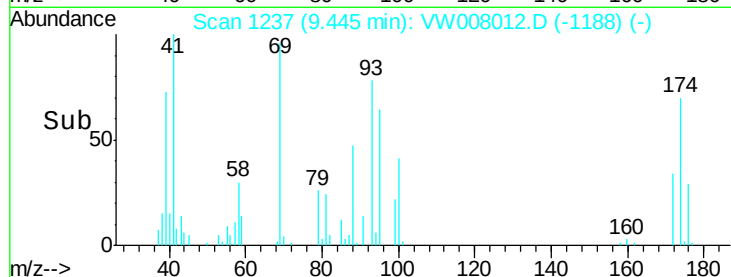
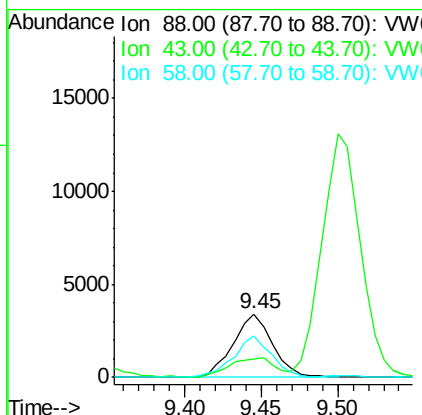
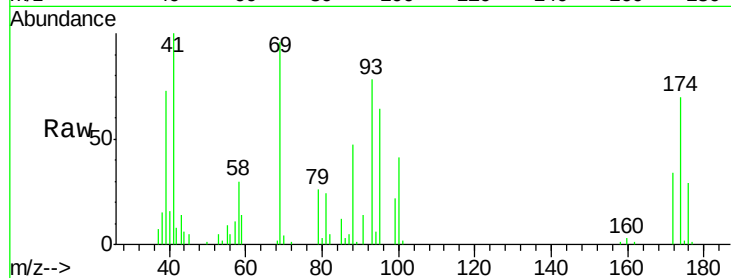
#49
1,4-Dioxane
Concen: 1049.194 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	26.8	40.2
58	62.6	55.8	83.6

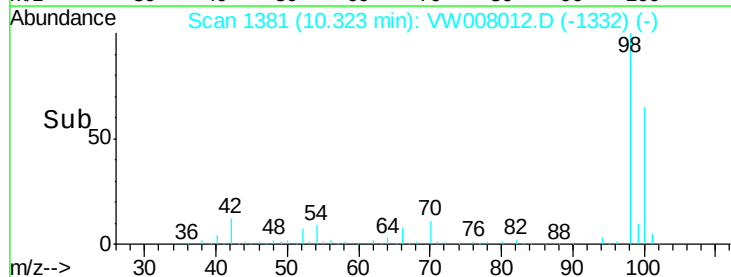
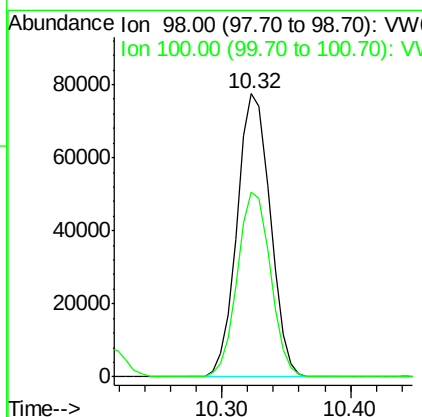
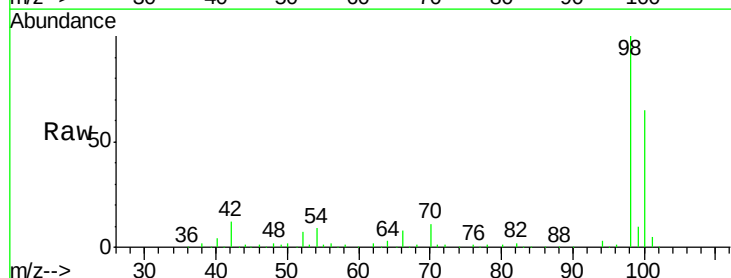
Manual Integrations
APPROVED

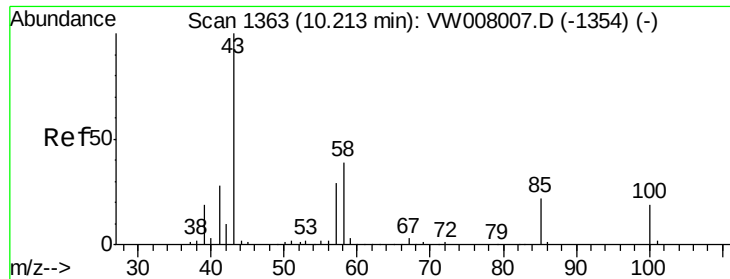
MMDadoda
1/4/2019 12:02:05 PM



#50
Toluene-d8
Concen: 49.262 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 240.657 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 78304

Ion Ratio Lower Upper

43 100

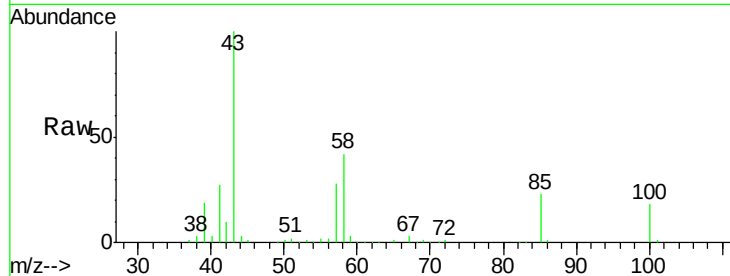
58 40.2 32.0 48.0

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

40000

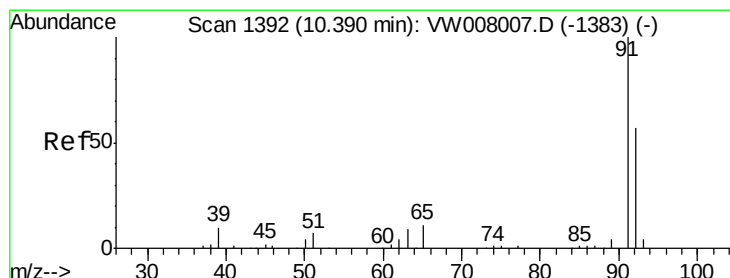
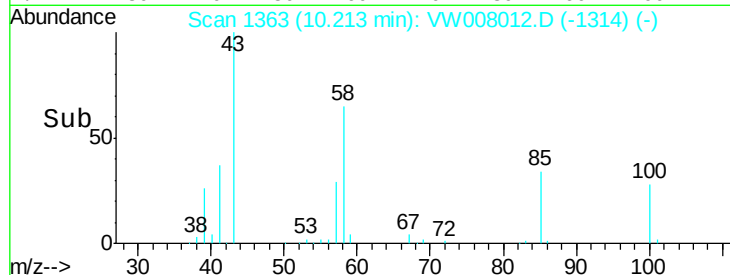
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 48.966 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008012.D

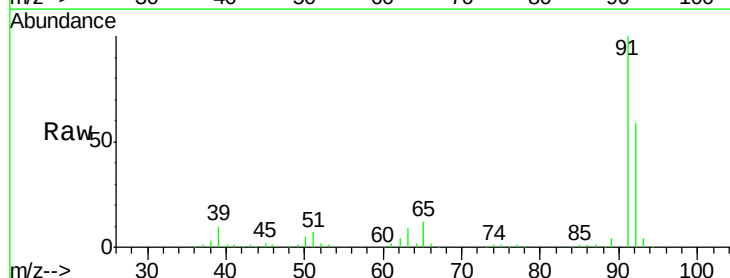
Acq: 03 Jan 2019 11:03

Tgt Ion: 92 Resp: 99878

Ion Ratio Lower Upper

92 100

91 171.0 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

100000

80000

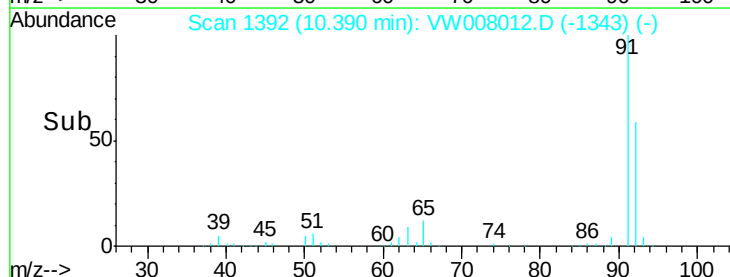
60000

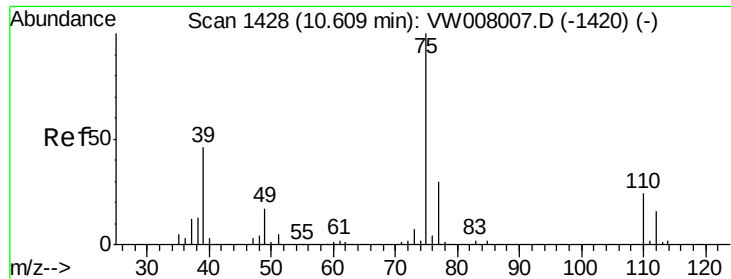
40000

20000

0

Time-->





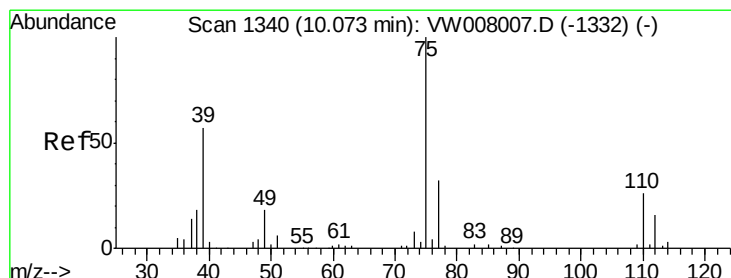
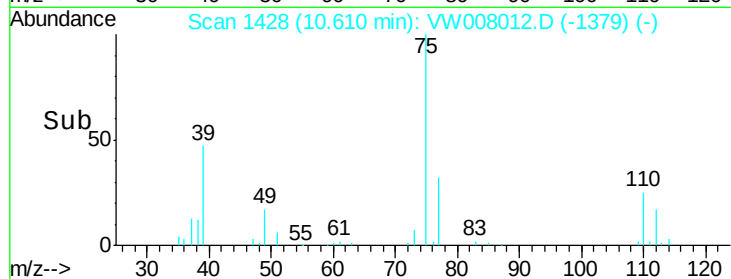
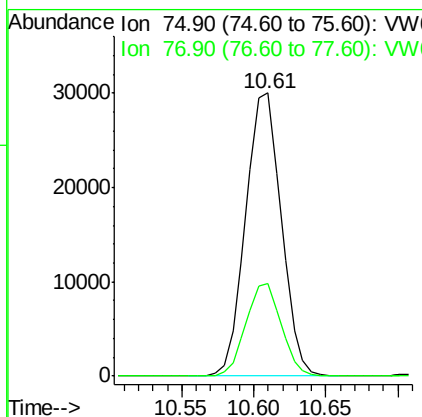
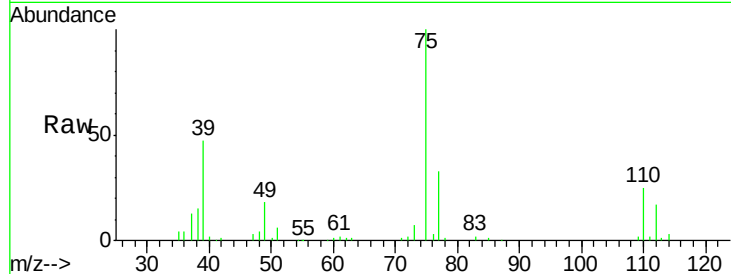
#53
t-1,3-Dichloropropene
Concen: 48.803 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 51394
Ion Ratio Lower Upper
75 100
77 32.7 24.0 36.0

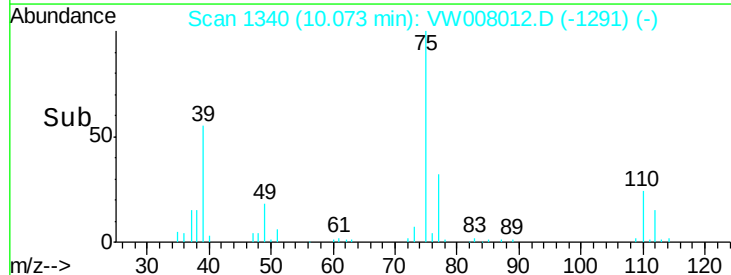
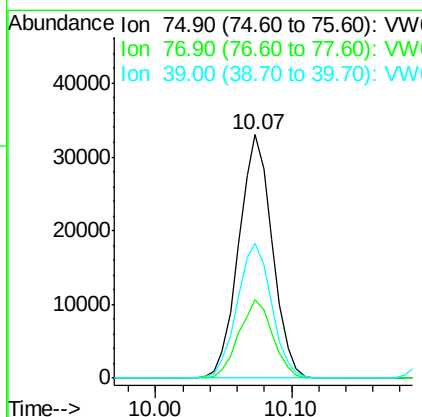
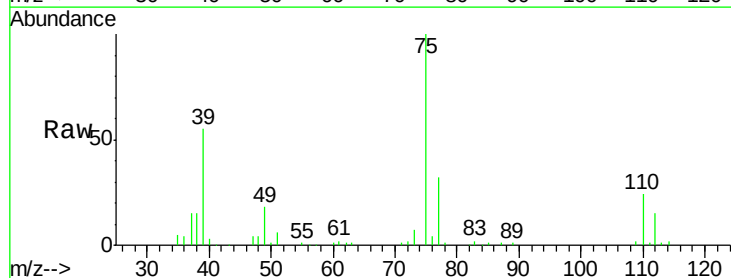
Manual Integrations
APPROVED

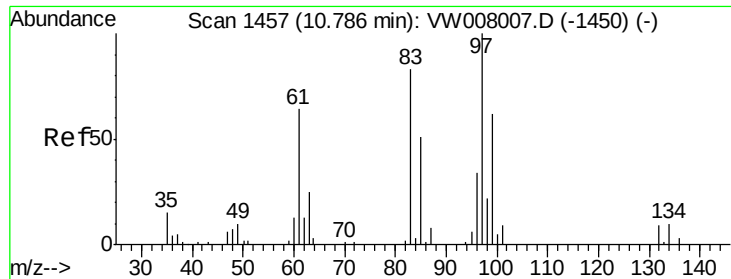
MMDadoda
1/4/2019 12:02:05 PM



#54
cis-1,3-Dichloropropene
Concen: 48.264 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion: 75 Resp: 56716
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9
39 55.2 45.4 68.0





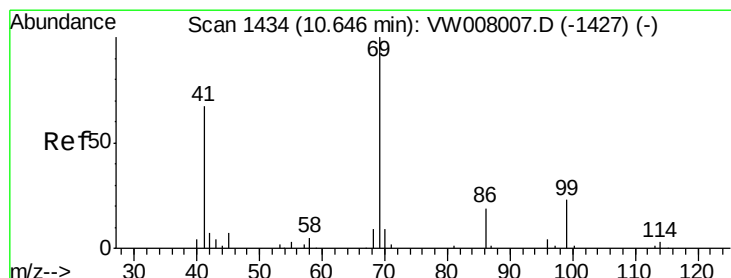
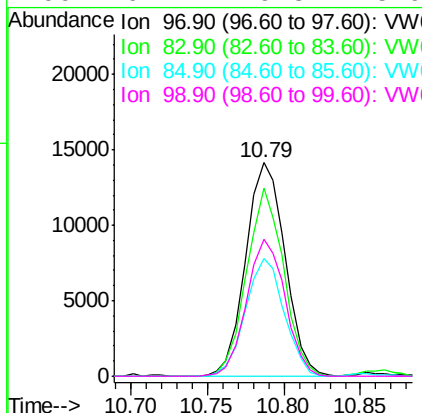
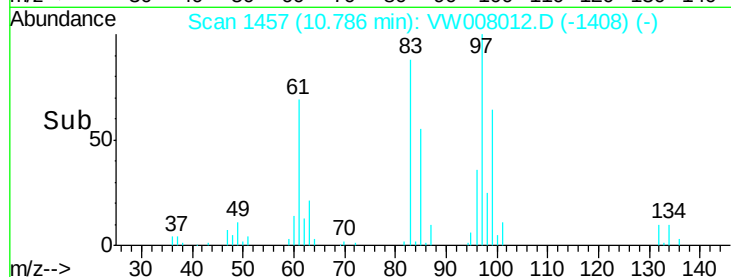
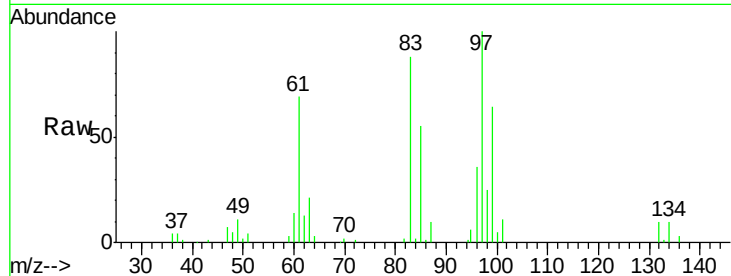
#55
 1,1,2-Trichloroethane
 Concen: 47.918 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	25368
Ion	Ratio	Lower	Upper
97	100		
83	88.2	66.2	99.2
85	55.2	41.0	61.4
99	64.2	49.3	73.9

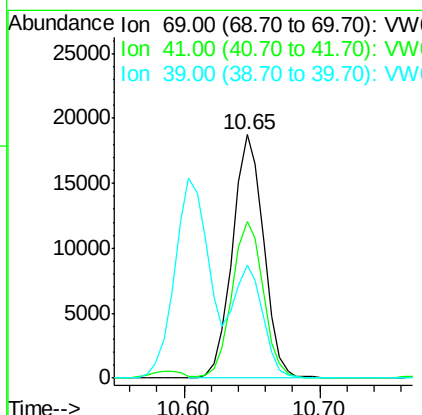
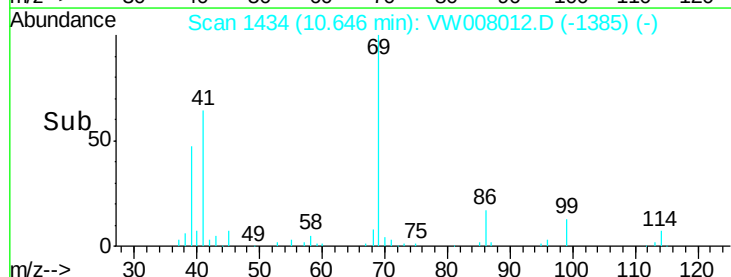
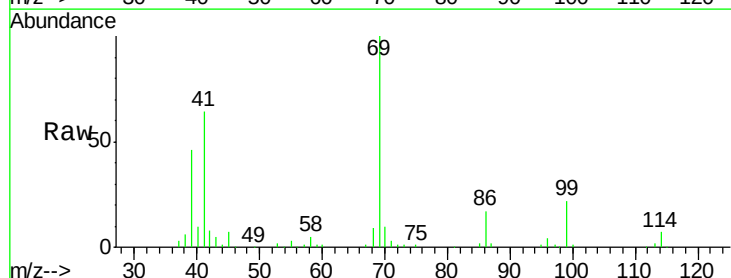
Manual Integrations
 APPROVED

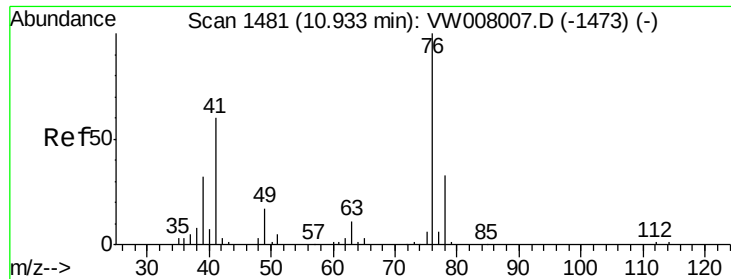
MMDadoda
 1/4/2019 12:02:05 PM



#56
 Ethyl methacrylate
 Concen: 49.870 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion:	69	Resp:	29847
Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.6	79.0
39	44.2	35.8	53.6





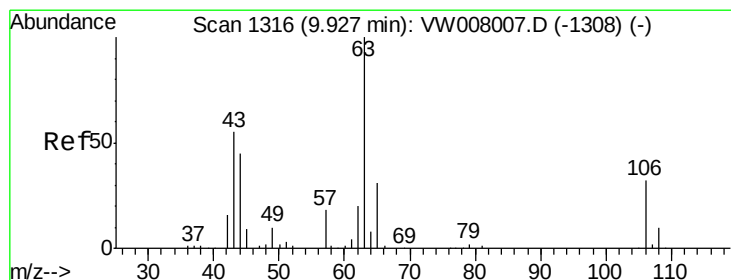
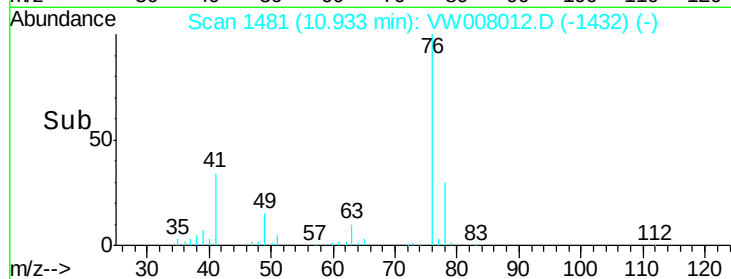
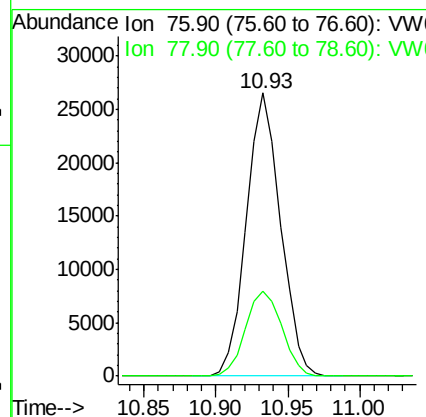
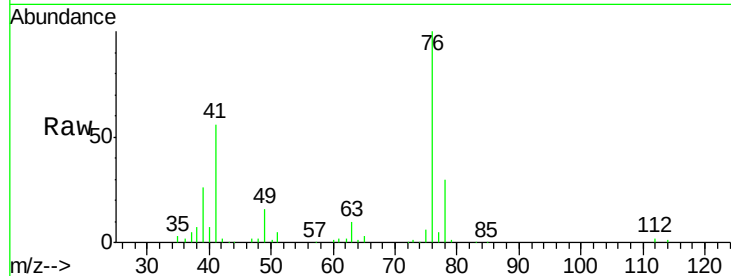
#57
 1,3-Dichloropropane
 Concen: 48.332 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 76 Resp: 43477
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.7 40.1

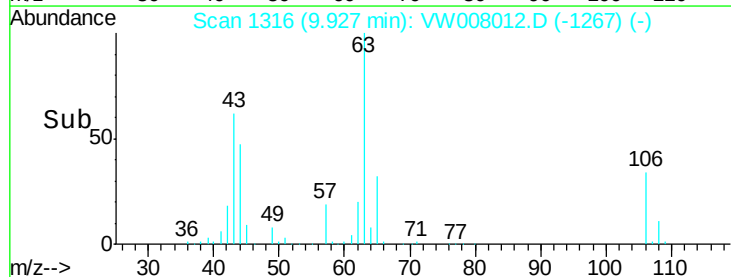
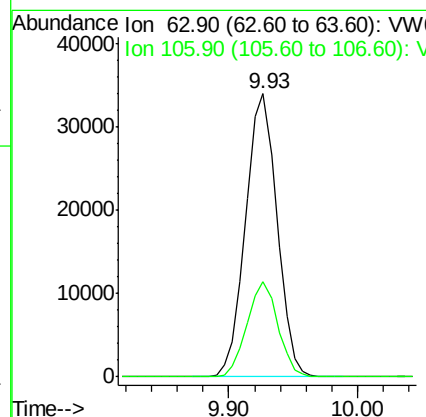
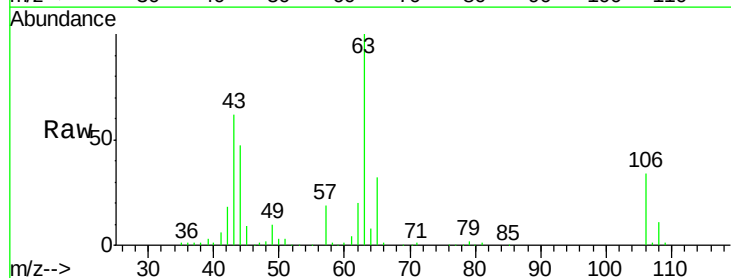
Manual Integrations
 APPROVED

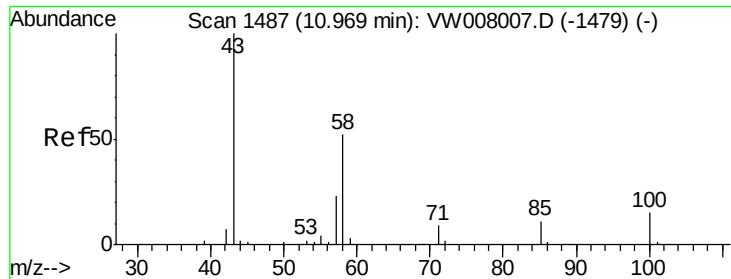
MMDadoda
 1/4/2019 12:02:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 202.156 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion: 63 Resp: 57380
 Ion Ratio Lower Upper
 63 100
 106 32.8 26.9 40.3





#59

2-Hexanone

Concen: 260.789 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 58580

Ion Ratio Lower Upper

43 100

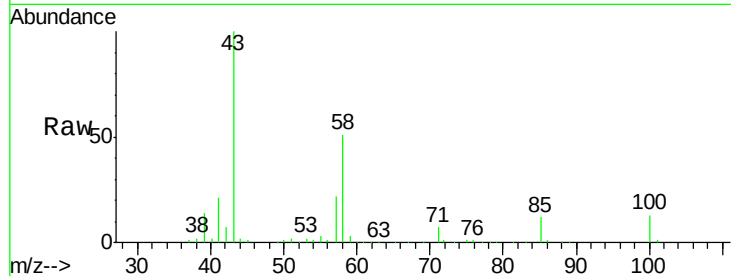
58 52.7 27.1 81.2

Manual Integrations

APPROVED

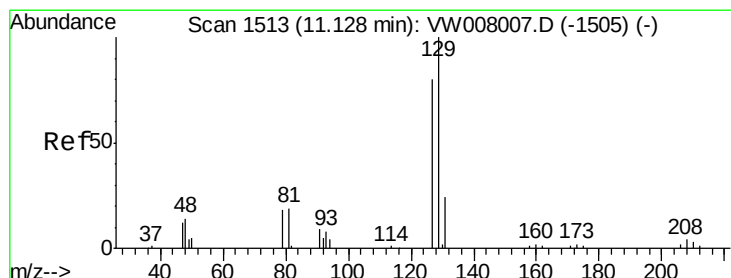
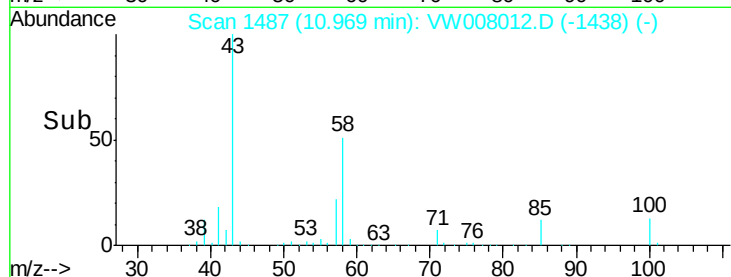
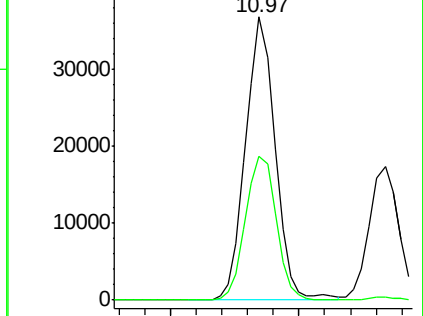
MMDadoda

1/4/2019 12:02:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 47.105 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008012.D

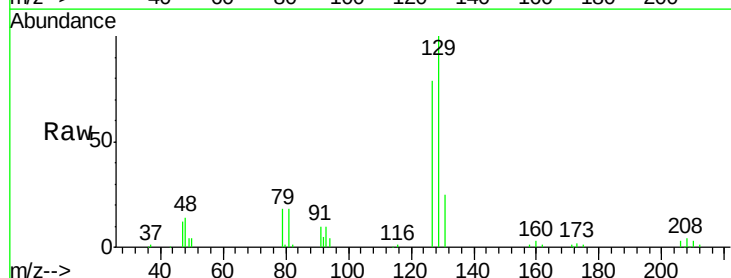
Acq: 03 Jan 2019 11:03

Tgt Ion:129 Resp: 34135

Ion Ratio Lower Upper

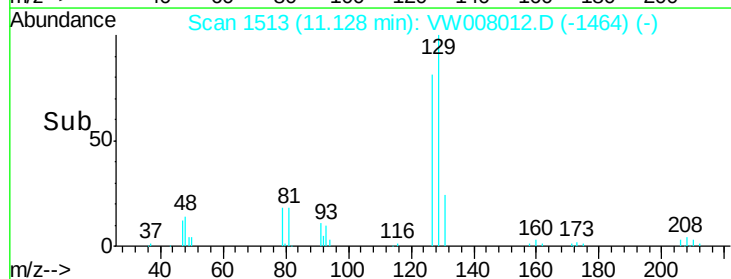
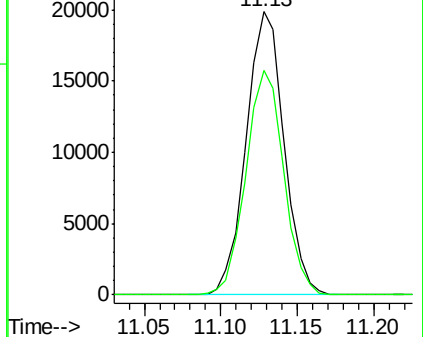
129 100

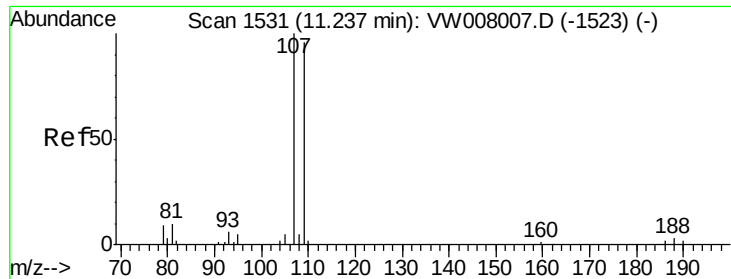
127 79.1 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





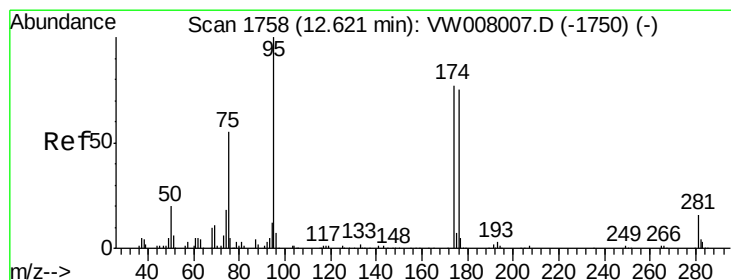
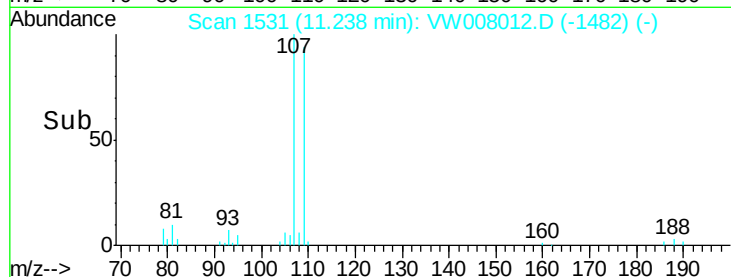
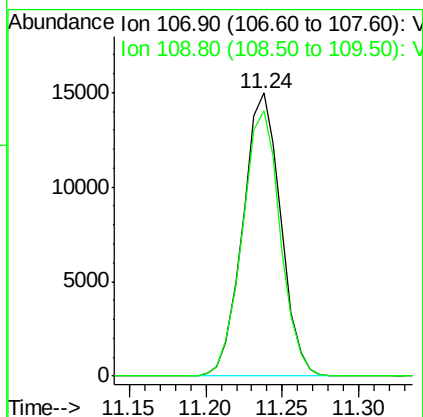
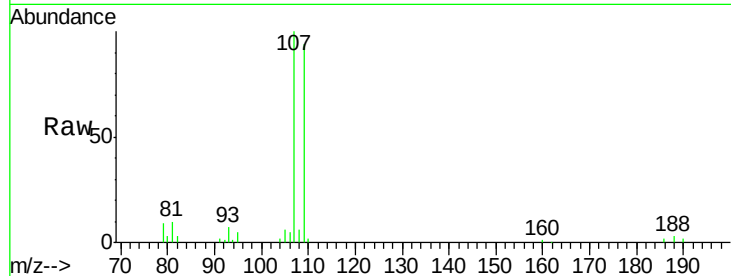
#61
 1,2-Dibromoethane
 Concen: 48.470 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 25679
 Ion Ratio Lower Upper
 107 100
 109 94.4 77.2 115.8

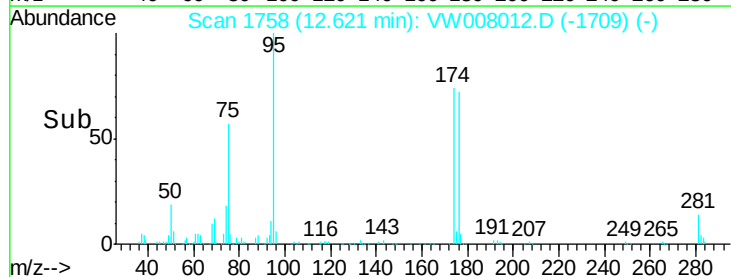
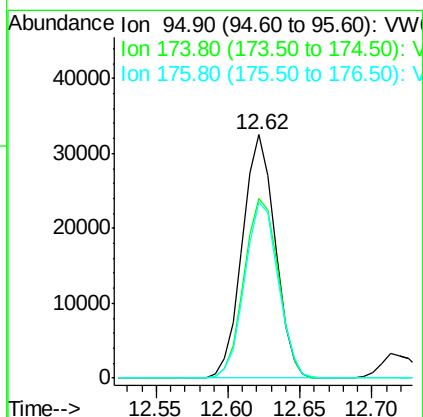
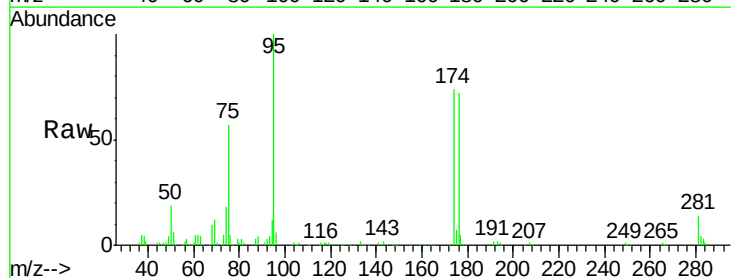
Manual Integrations
 APPROVED

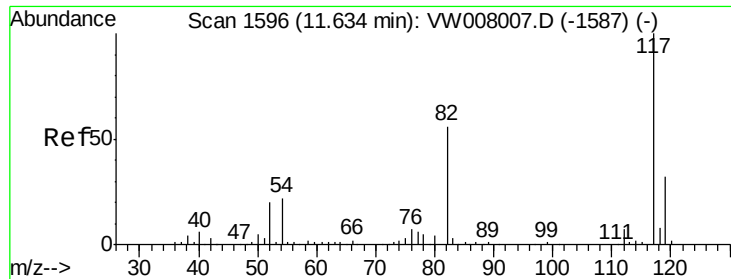
MMDadoda
 1/4/2019 12:02:05 PM



#62
 4-Bromofluorobenzene
 Concen: 47.681 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion: 95 Resp: 51341
 Ion Ratio Lower Upper
 95 100
 174 76.9 0.0 149.6
 176 73.8 0.0 145.4





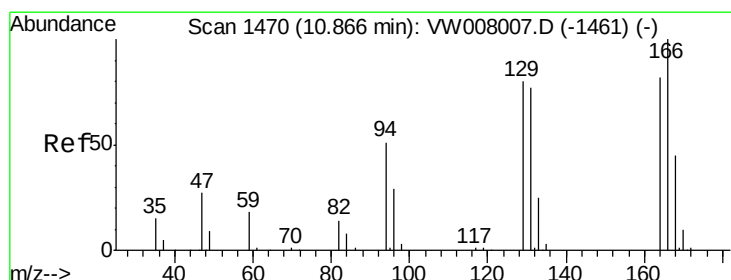
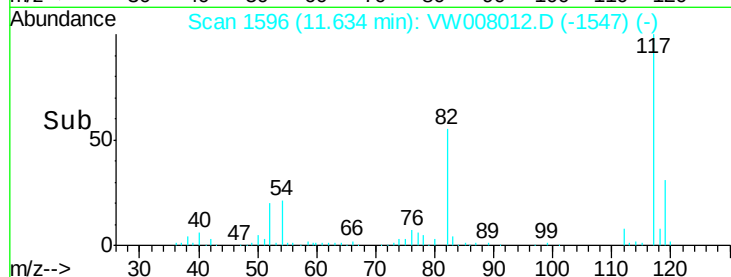
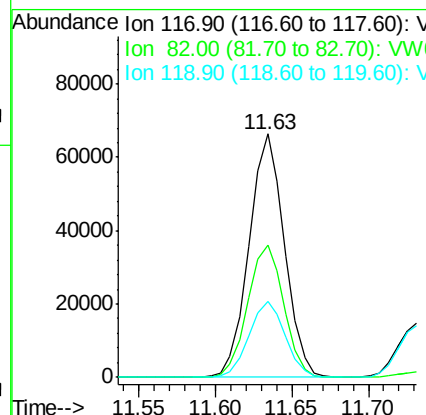
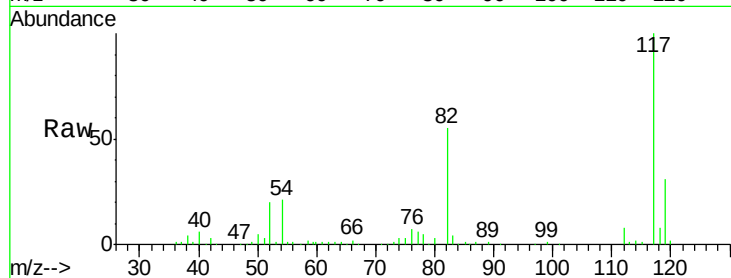
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.8	67.2
119	31.2	25.6	38.4

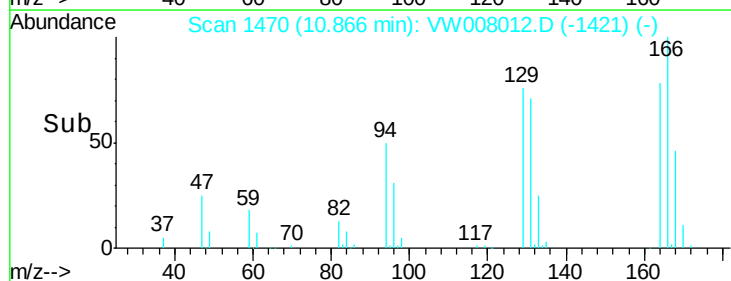
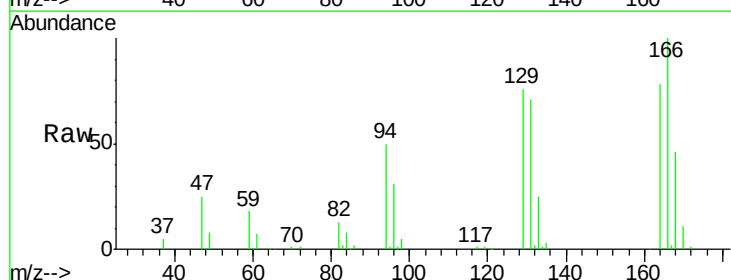
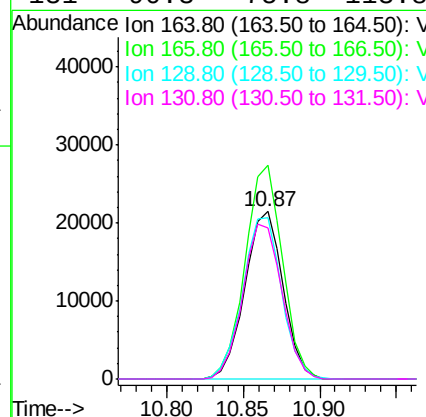
Manual Integrations
APPROVED

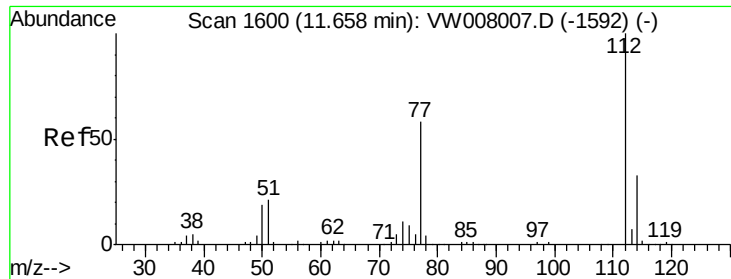
MMDadoda
1/4/2019 12:02:05 PM



#64
Tetrachloroethene
Concen: 50.278 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	98.1	147.1
129	96.6	78.0	117.0
131	90.3	75.8	113.8





#65

Chlorobenzene

Concen: 49.439 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 112562

Ion Ratio Lower Upper

112 100

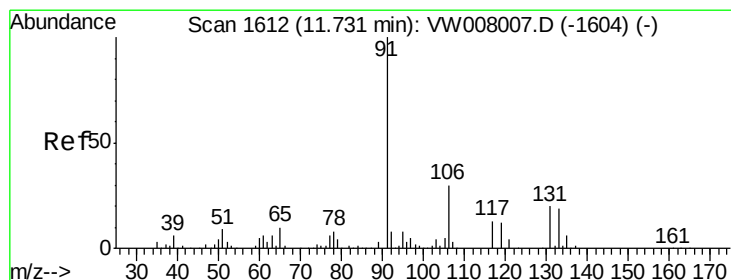
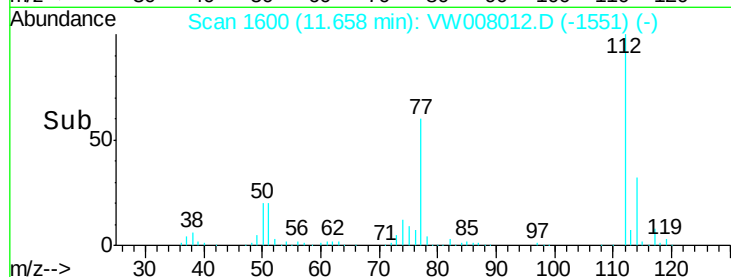
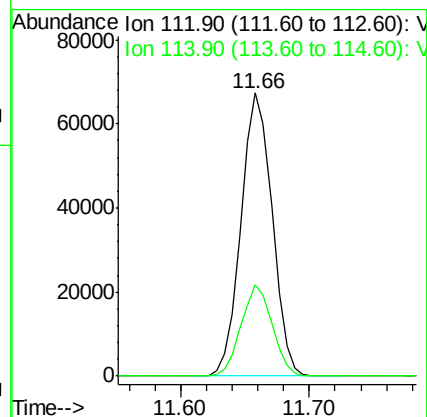
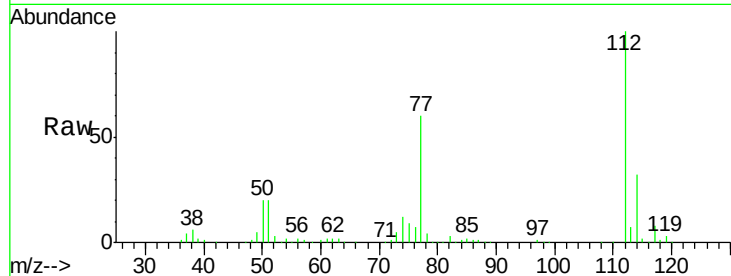
114 32.3 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

1/4/2019 12:02:05 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.942 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

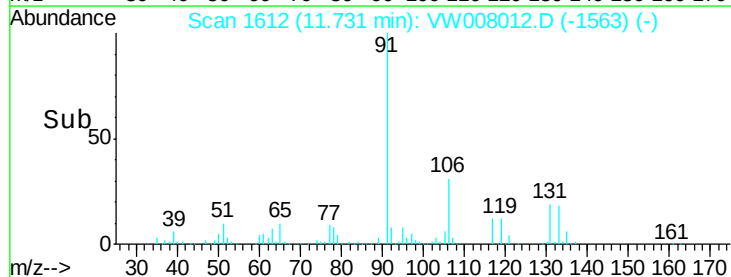
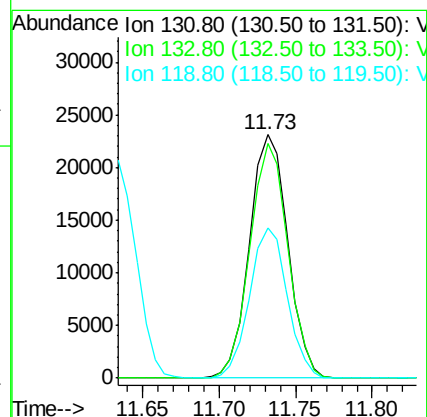
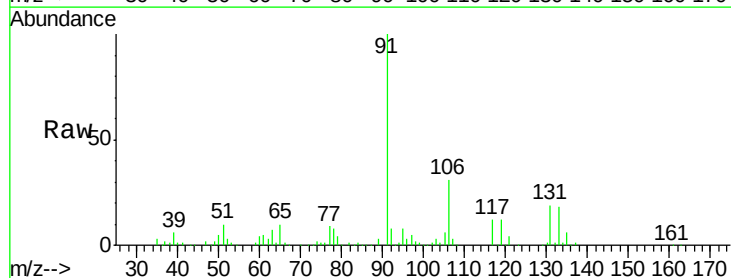
Tgt Ion:131 Resp: 40353

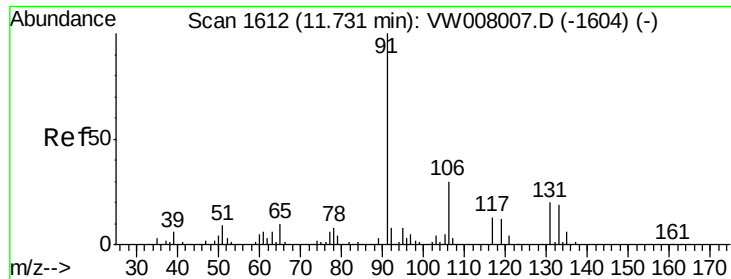
Ion Ratio Lower Upper

131 100

133 95.6 49.1 147.3

119 60.6 30.6 91.6





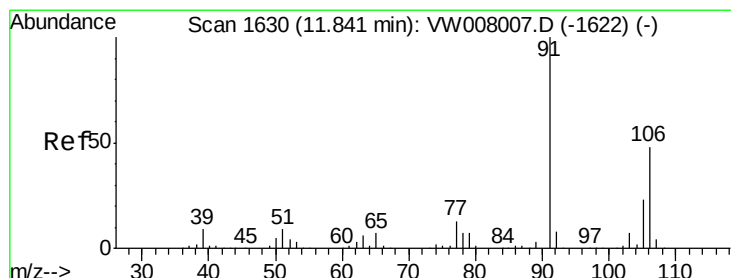
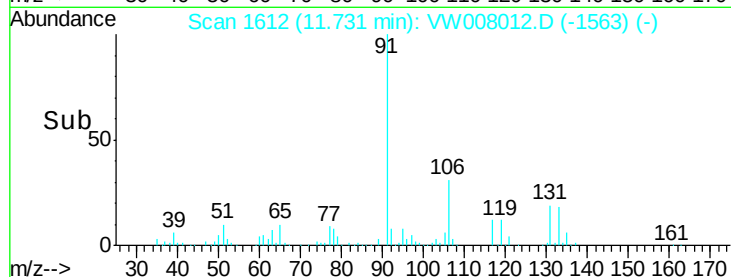
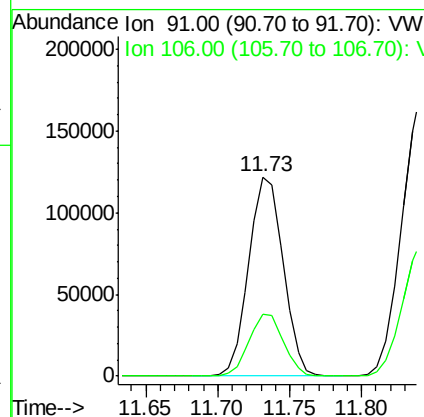
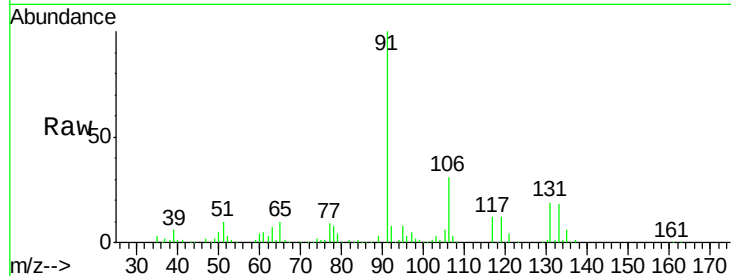
#67
Ethyl Benzene
Concen: 49.919 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 201736
Ion Ratio Lower Upper
91 100
106 31.0 24.3 36.5

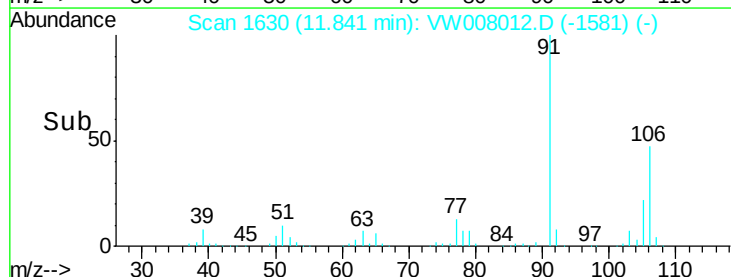
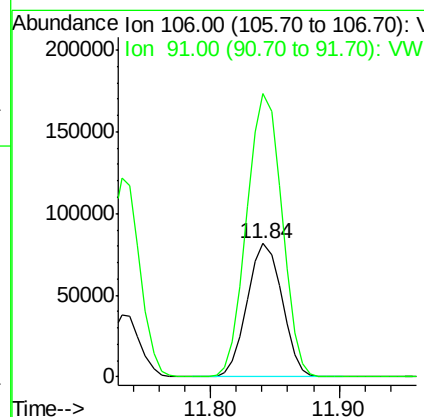
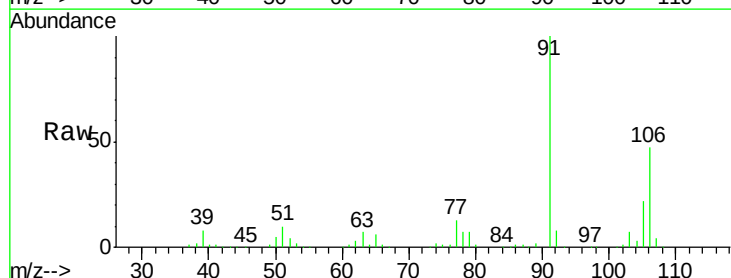
Manual Integrations
APPROVED

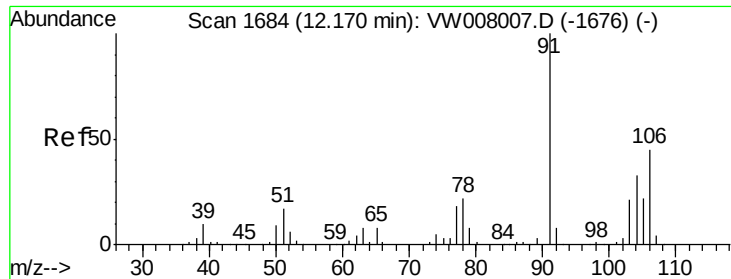
MMDadoda
1/4/2019 12:02:05 PM



#68
m/p-Xylenes
Concen: 98.106 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion: 106 Resp: 153278
Ion Ratio Lower Upper
106 100
91 213.8 165.8 248.8





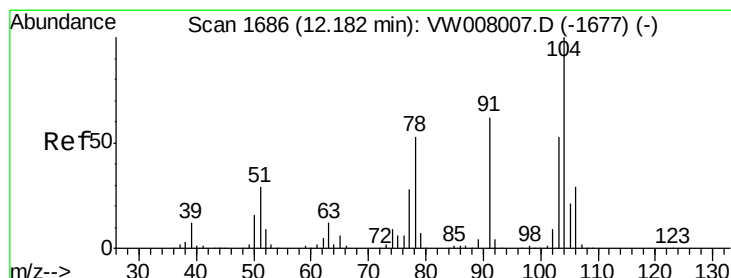
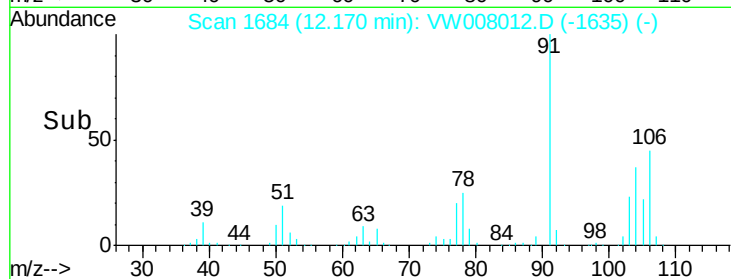
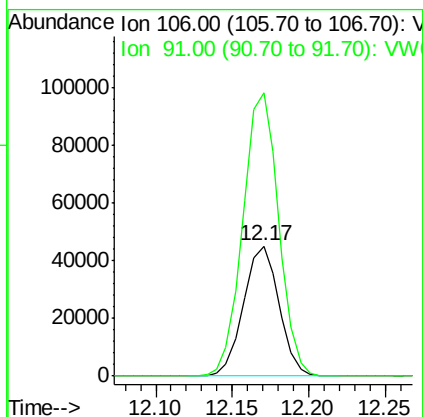
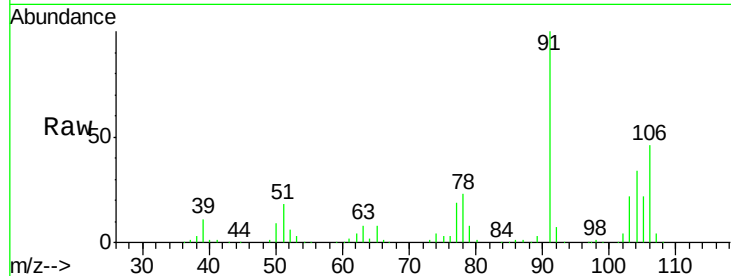
#69
o-Xylene
Concen: 50.118 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 72860
Ion Ratio Lower Upper
106 100
91 218.9 110.6 331.6

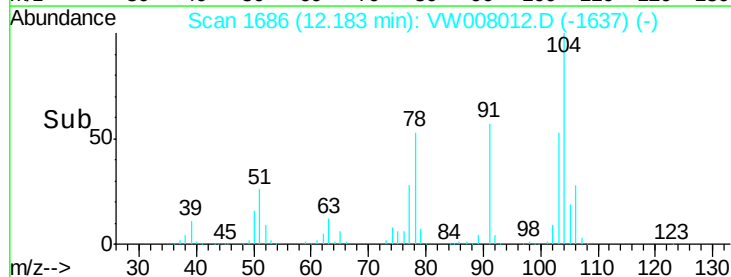
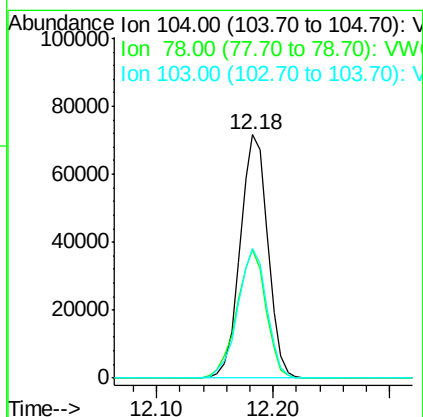
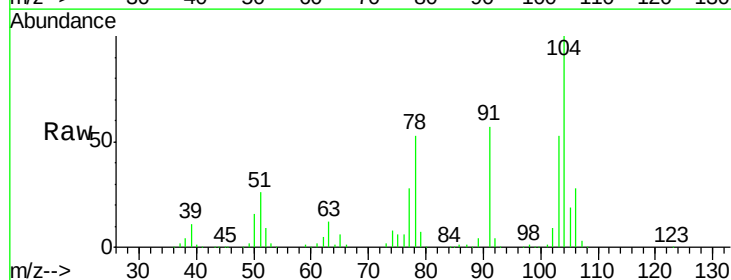
Manual Integrations
APPROVED

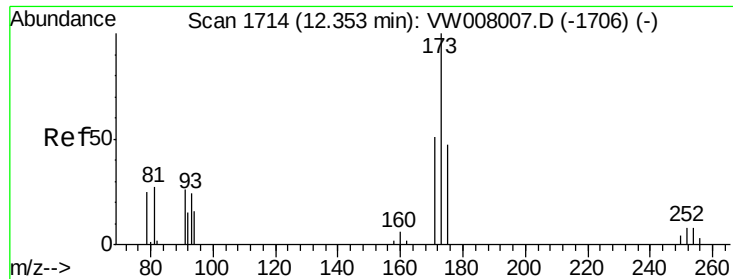
MMDadoda
1/4/2019 12:02:05 PM



#70
Styrene
Concen: 50.004 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion:104 Resp: 118486
Ion Ratio Lower Upper
104 100
78 55.4 44.0 66.0
103 55.7 44.6 66.8





#71

Bromoform

Concen: 49.640 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

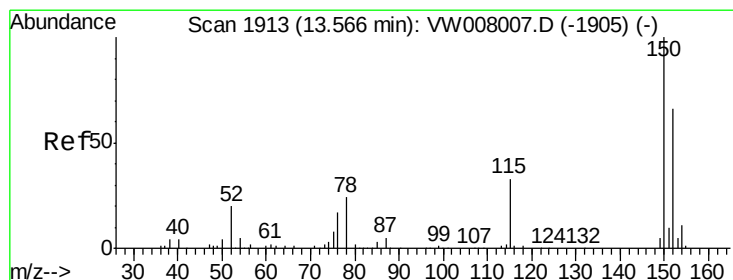
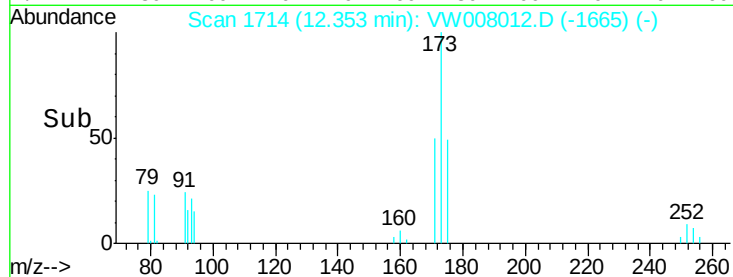
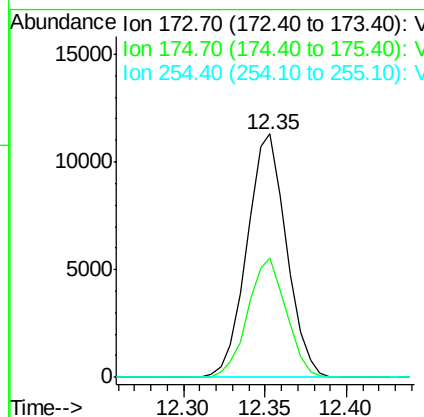
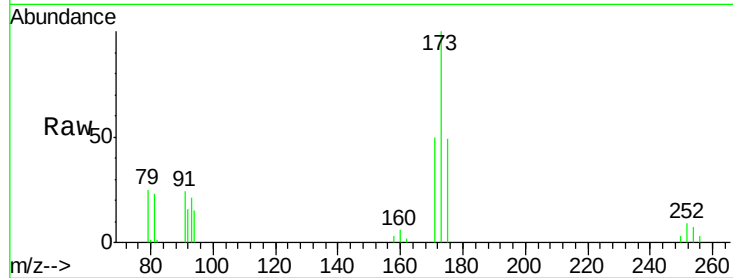
ClientSampled :

VSTDCCC050

Tot Ion:	173	Resp:	18962
Ion Ratio	Lower	Upper	
173	100		
175	47.8	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

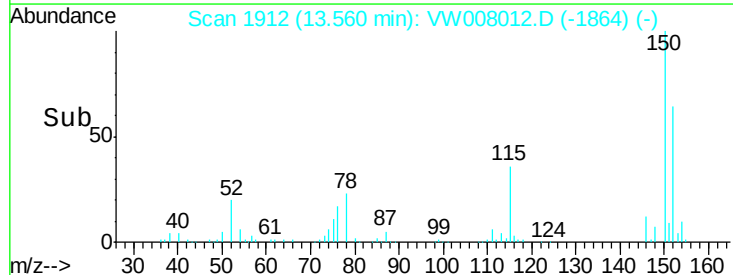
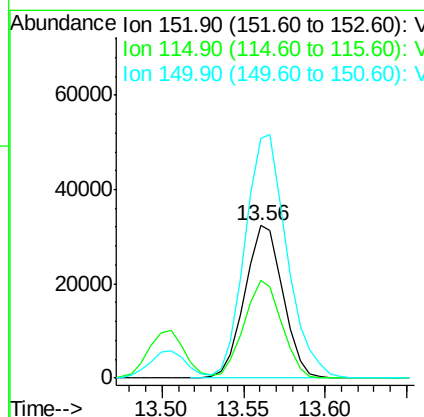
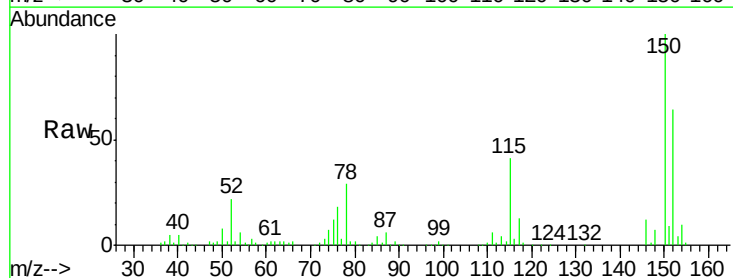
RT: 13.56 min Scan# 1912

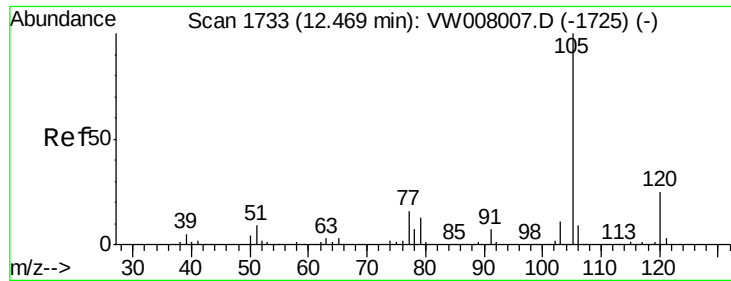
Delta R.T. -0.01 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tgt Ion:	152	Resp:	52721
Ion Ratio	Lower	Upper	
152	100		
115	63.5	32.1	96.5
150	175.5	0.0	345.0





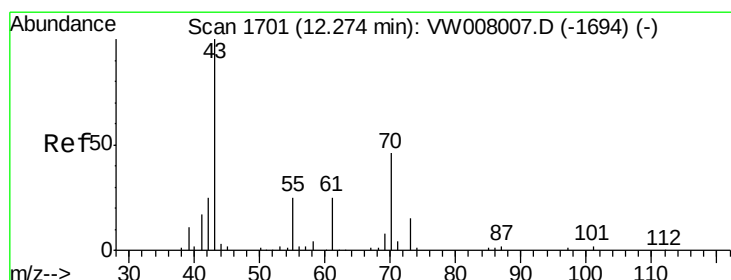
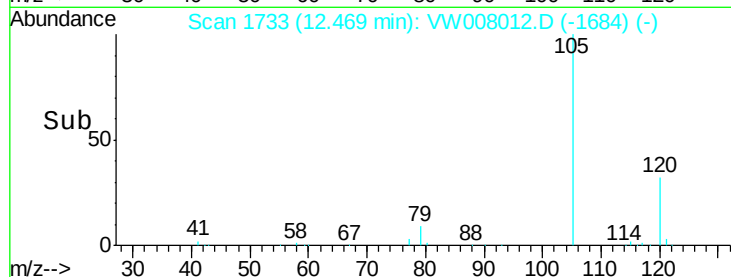
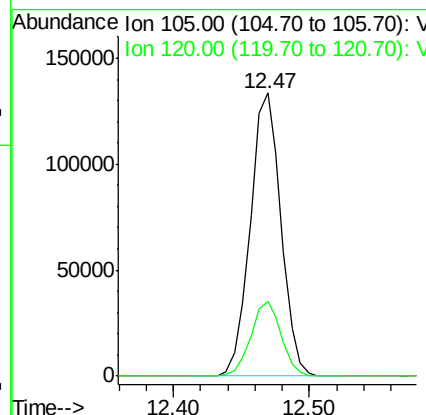
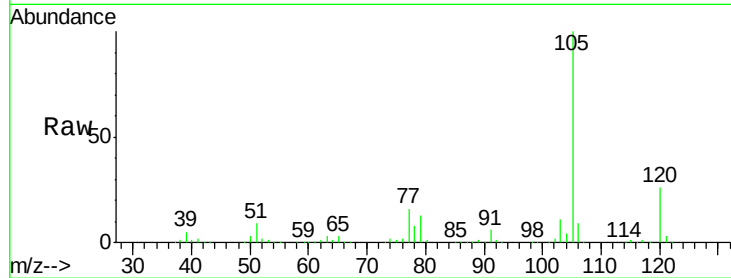
#73
Isopropylbenzene
Concen: 50.138 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.3

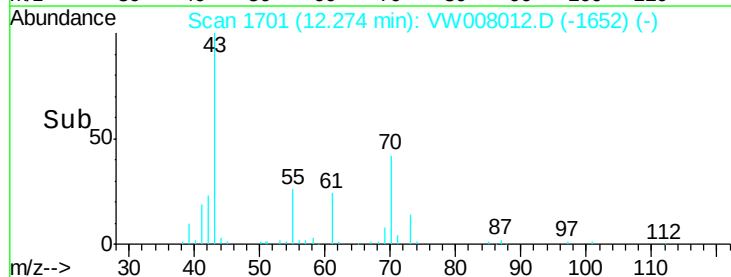
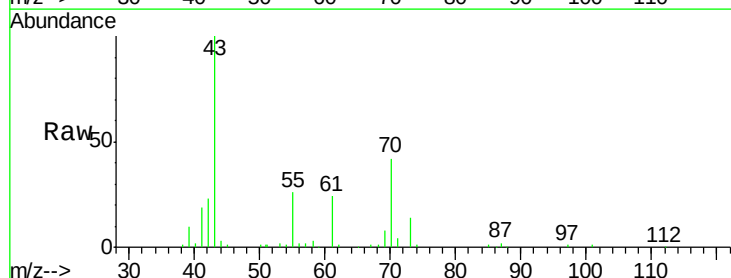
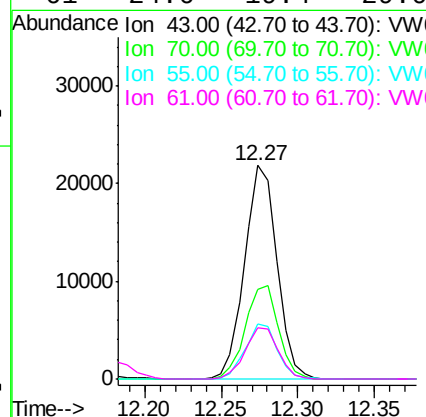
Manual Integrations
APPROVED

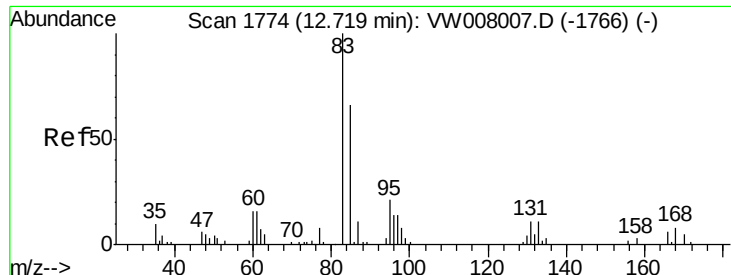
MMDadoda
1/4/2019 12:02:05 PM



#74
N-ethyl acetate
Concen: 49.366 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.6	35.2	52.8
55	25.7	21.4	32.0
61	24.6	19.4	29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.003 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

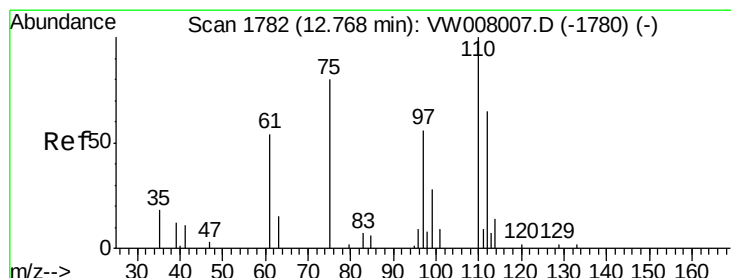
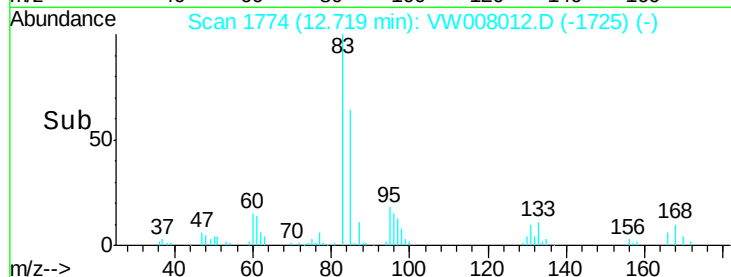
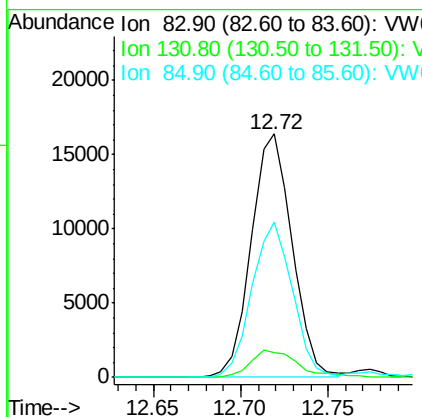
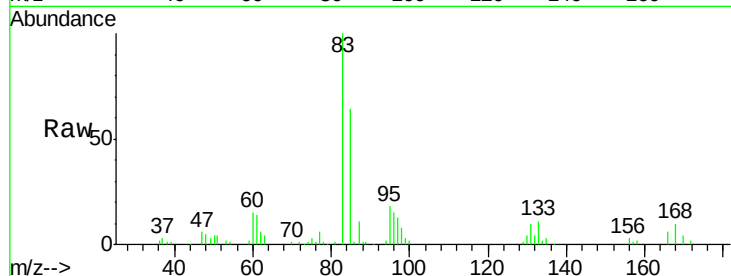
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	26672
Ion Ratio	Lower	Upper	
83	100		
131	13.0	6.5	19.5
85	63.1	32.8	98.3

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#76

1,2,3-Trichloropropane

Concen: 51.118 ug/l m

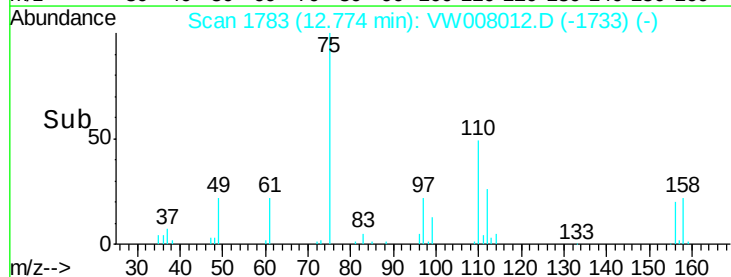
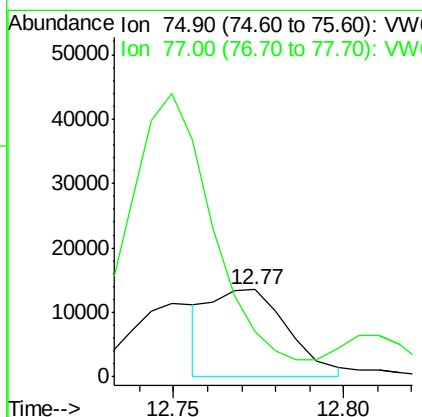
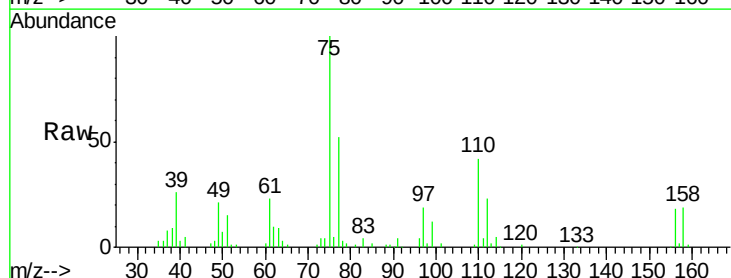
RT: 12.77 min Scan# 1783

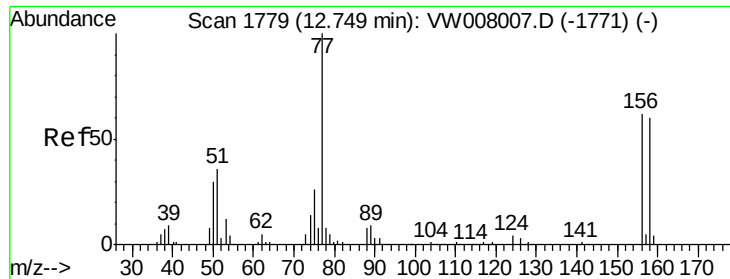
Delta R.T. 0.01 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Tgt Ion:	75	Resp:	21440
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.2	558.6#





#77

Bromobenzene

Concen: 49.239 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 44368

Ion Ratio Lower Upper

156 100

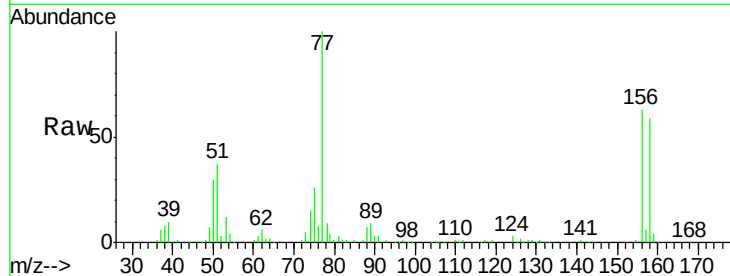
77 177.1 87.9 263.8

158 96.2 47.8 143.4

Manual Integrations
APPROVED

MMDadoda

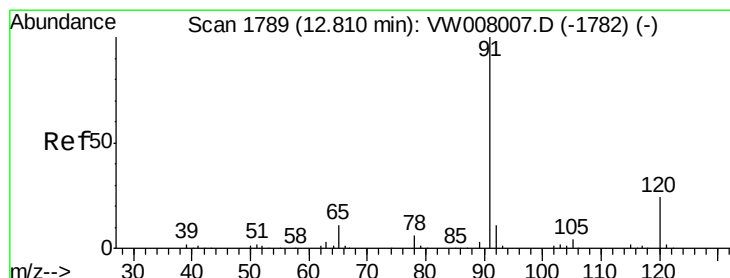
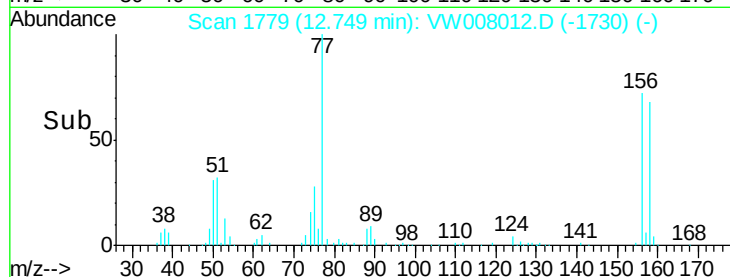
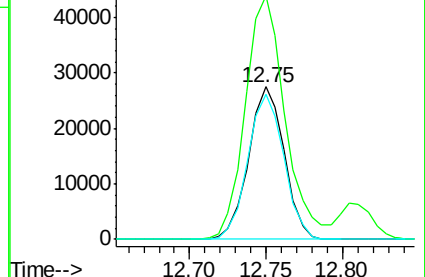
1/4/2019 12:02:05 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.082 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008012.D

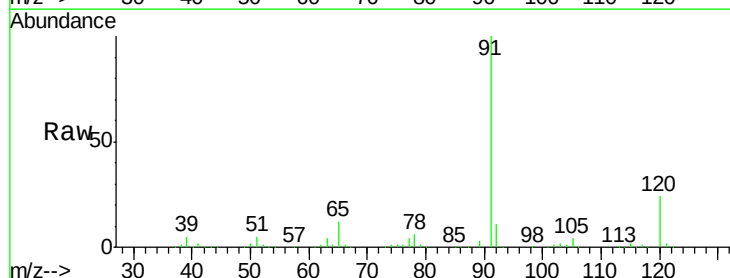
Acq: 03 Jan 2019 11:03

Tgt Ion: 91 Resp: 243425

Ion Ratio Lower Upper

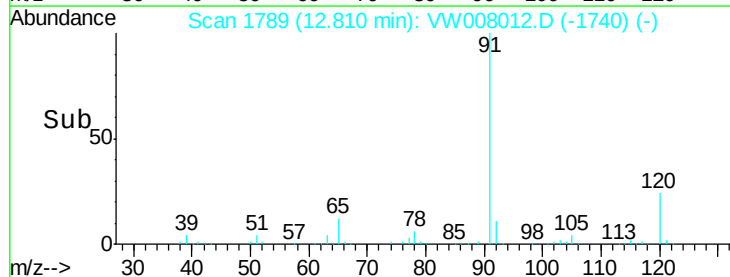
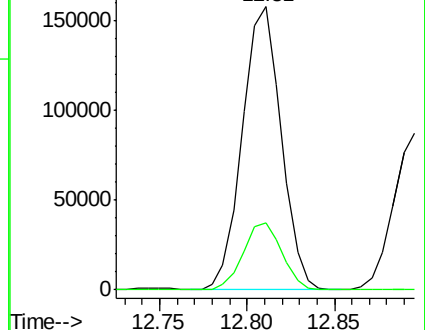
91 100

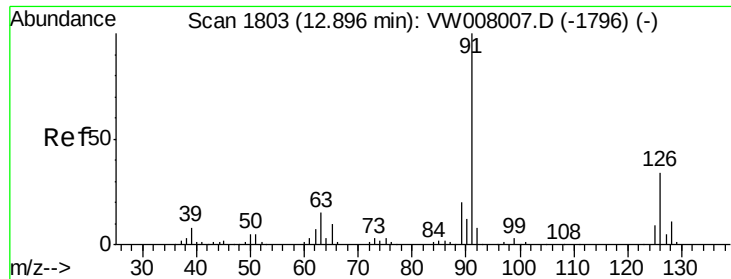
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





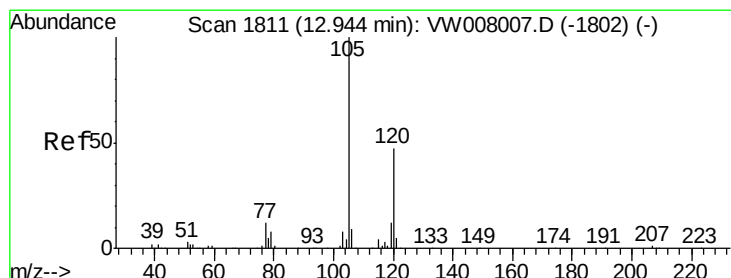
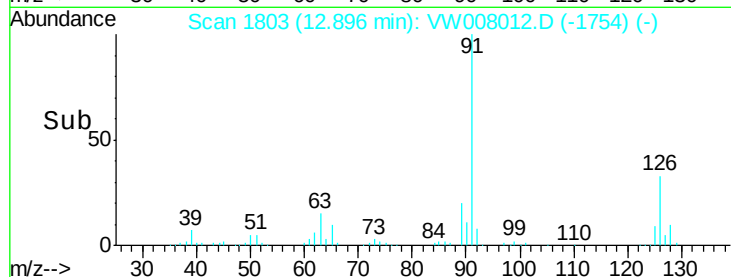
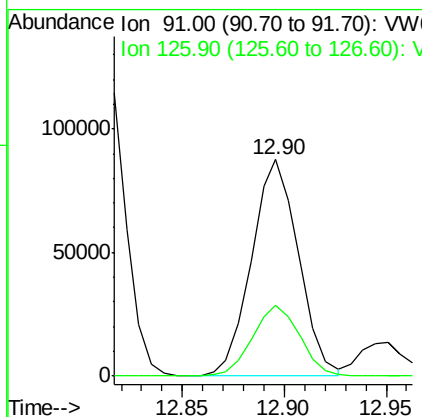
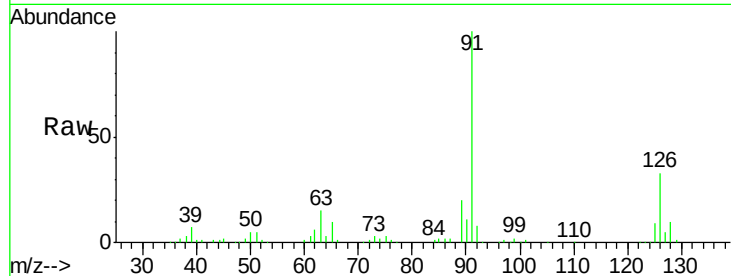
#79
 2-Chlorotoluene
 Concen: 49.893 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 140160
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.1 51.2

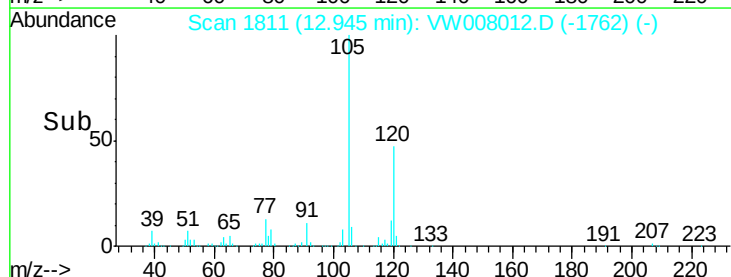
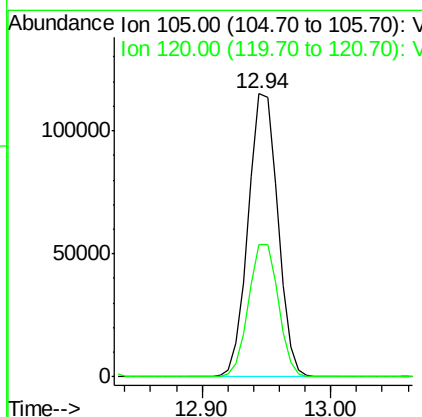
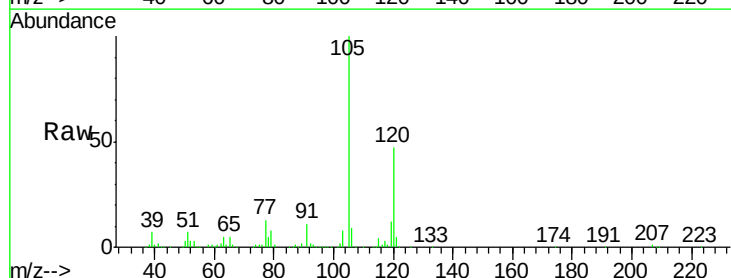
Manual Integrations
 APPROVED

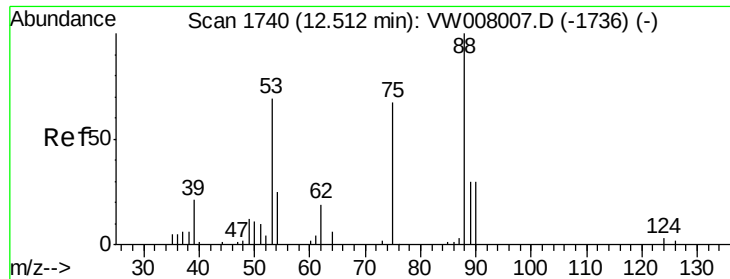
MMDadoda
 1/4/2019 12:02:05 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.385 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion: 105 Resp: 181817
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.3 69.9





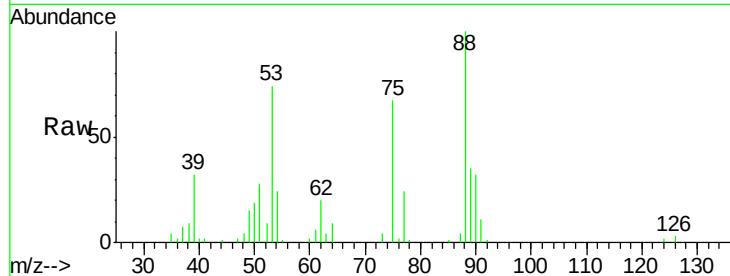
#81
trans-1,4-Dichloro-2-butene
Concen: 50.593 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

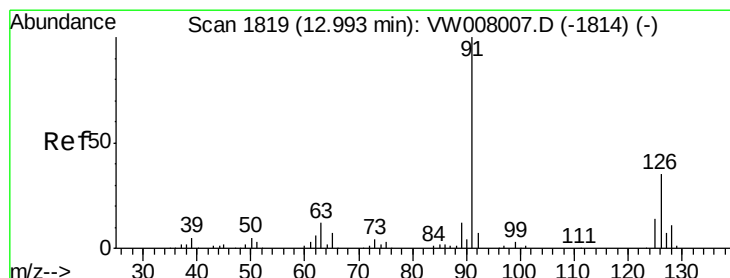
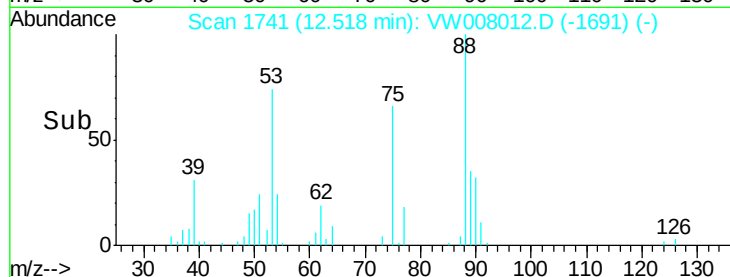
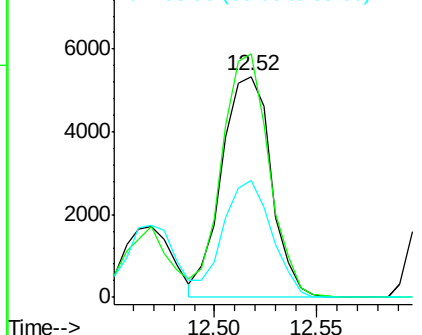
Tot Ion	Ratio	Lower	Upper
75	100		
53	105.4	87.6	131.4
89	52.5	42.2	63.2

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM

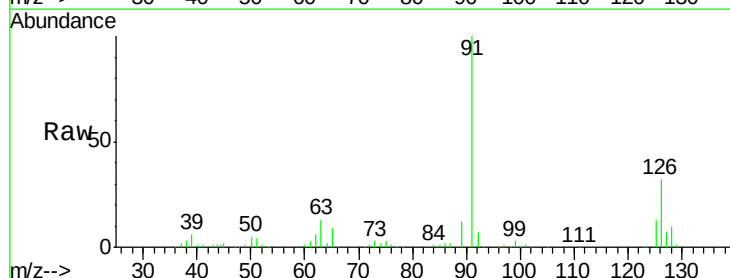


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

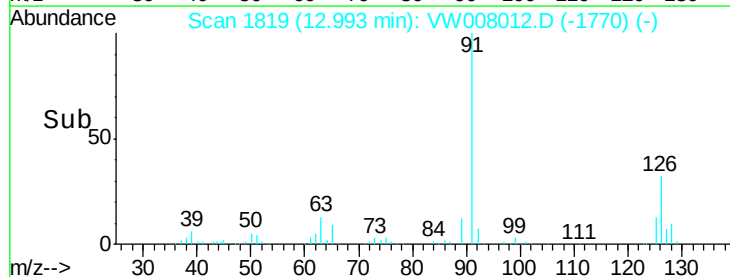
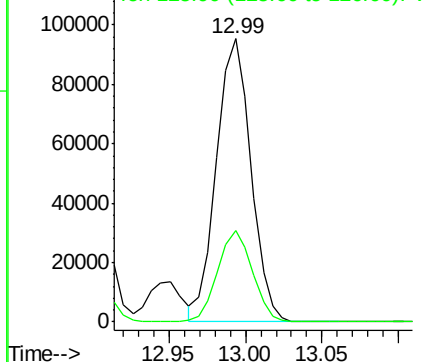


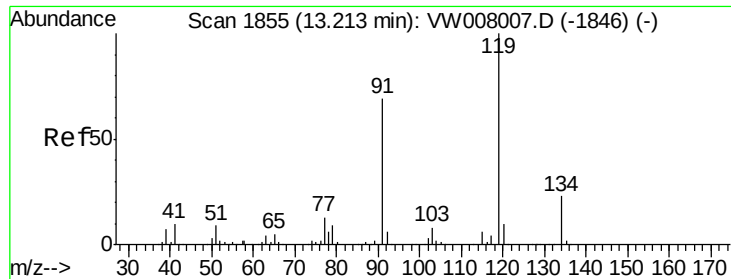
#82
4-Chlorotoluene
Concen: 49.978 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.7	50.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





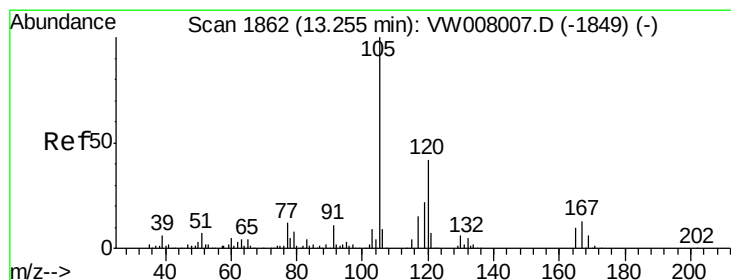
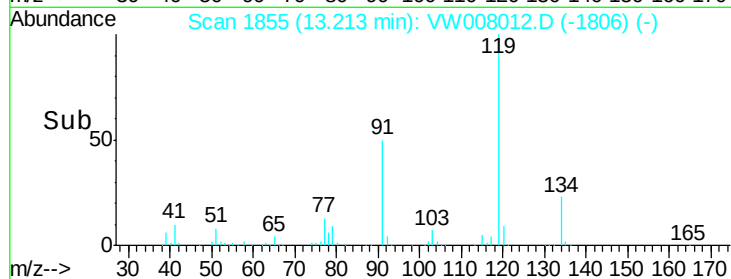
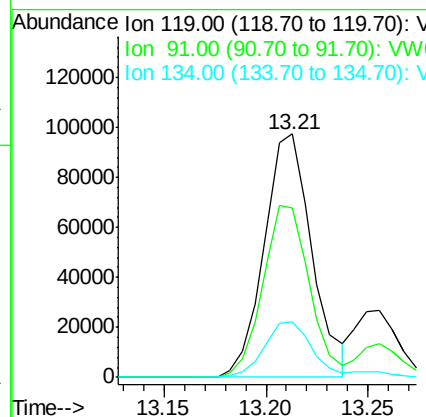
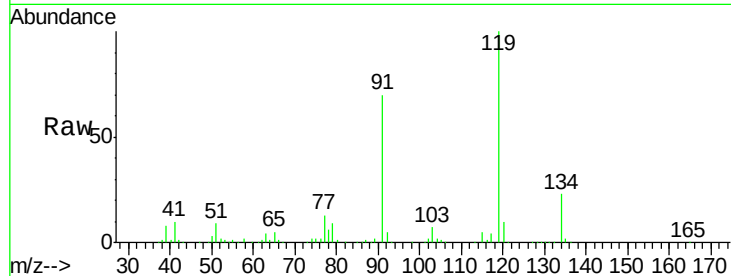
#83
 tert-Butylbenzene
 Concen: 50.340 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	158931		
91	69.1	34.7	104.1	
134	24.6	11.5	34.4	

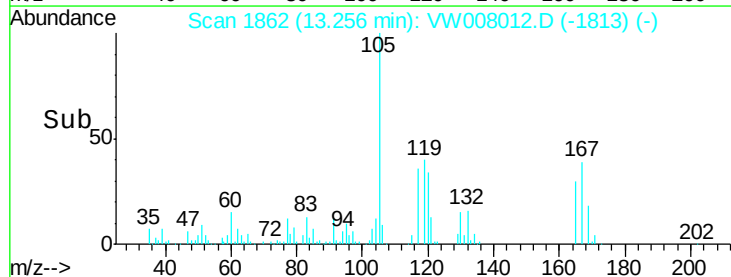
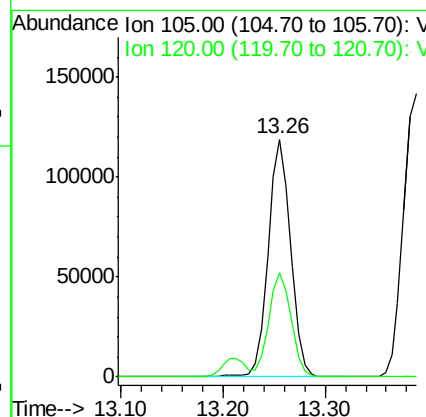
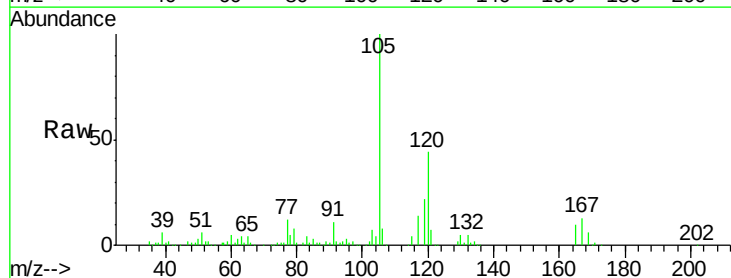
Manual Integrations
 APPROVED

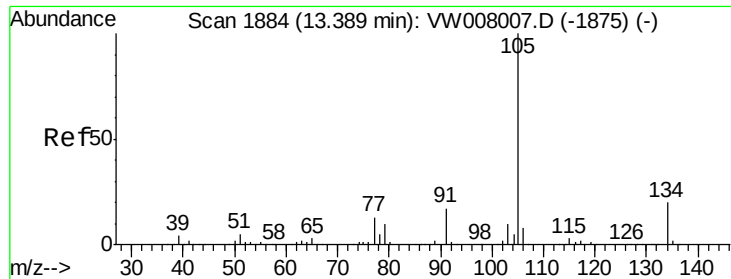
MMDadoda
 1/4/2019 12:02:05 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.698 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	181649		
120	44.1	21.5	64.5	





#85

sec-Butylbenzene

Concen: 50.361 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 218724

Ion Ratio Lower Upper

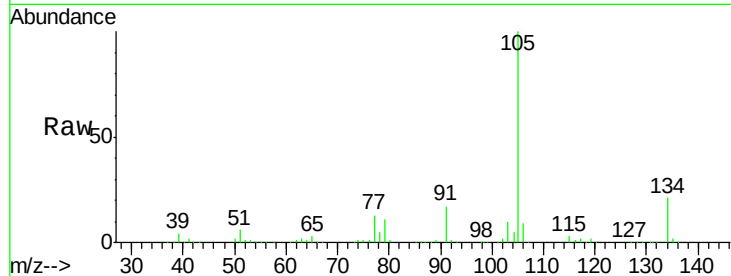
105 100

134 20.0 9.7 28.9

Manual Integrations
APPROVED

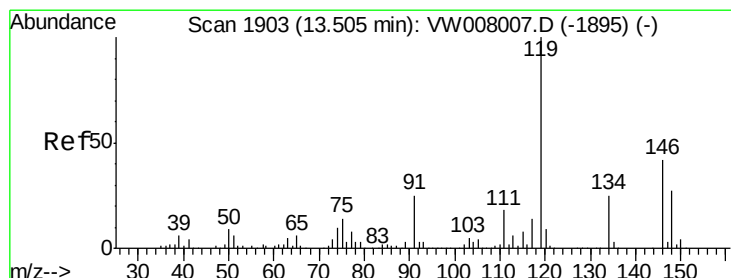
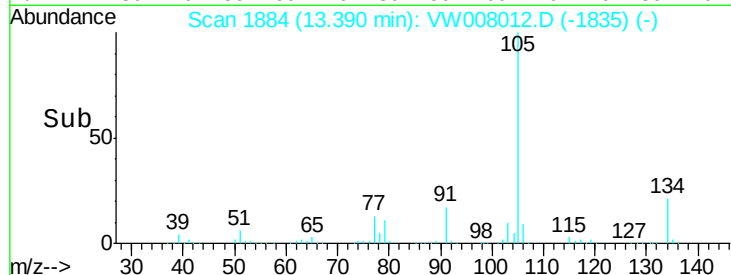
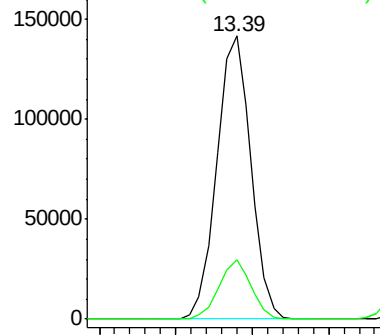
MMDadoda

1/4/2019 12:02:05 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.690 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008012.D

Acq: 03 Jan 2019 11:03

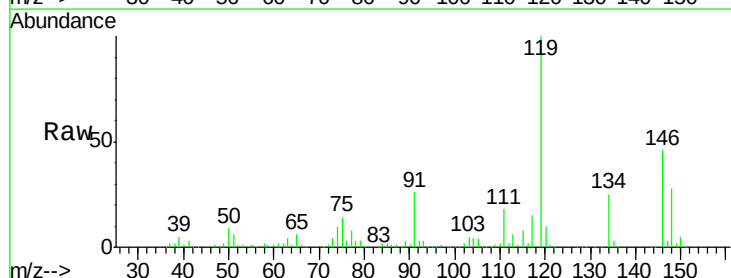
Tgt Ion:119 Resp: 198577

Ion Ratio Lower Upper

119 100

134 24.9 12.5 37.5

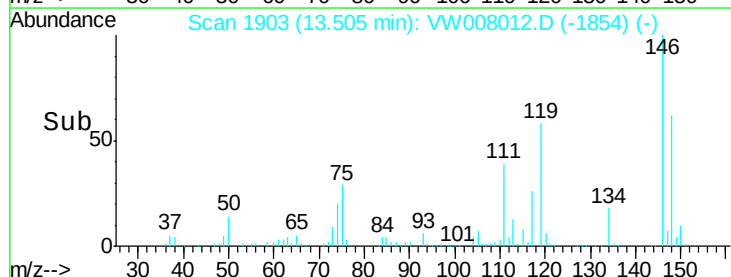
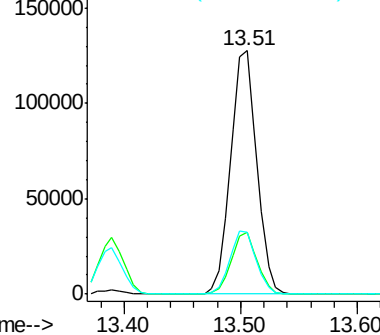
91 26.0 13.1 39.3

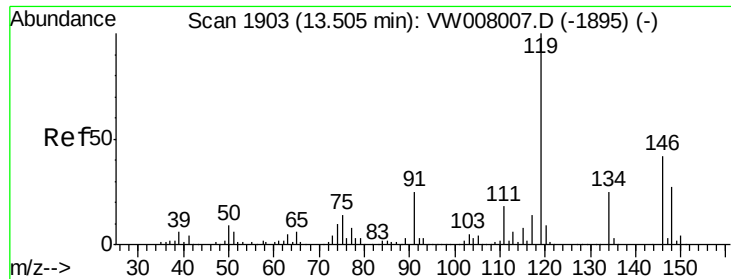


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





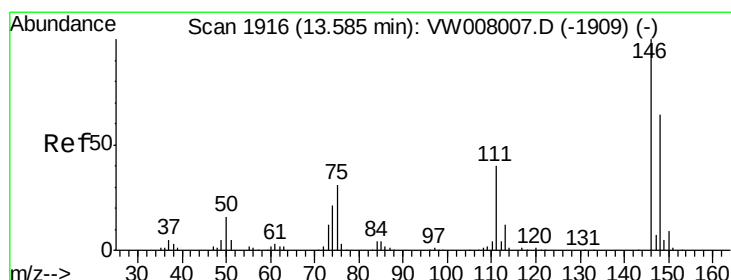
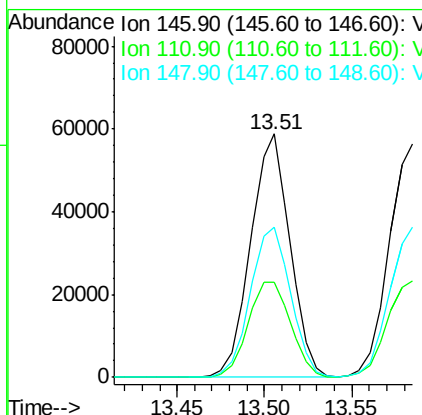
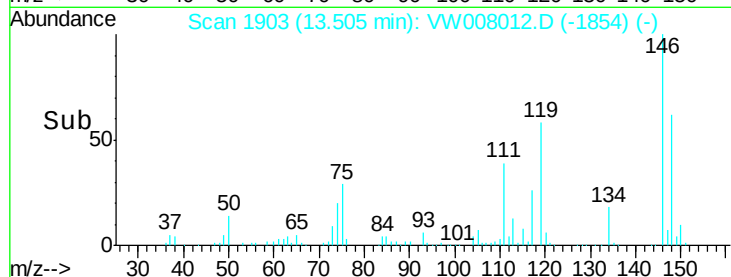
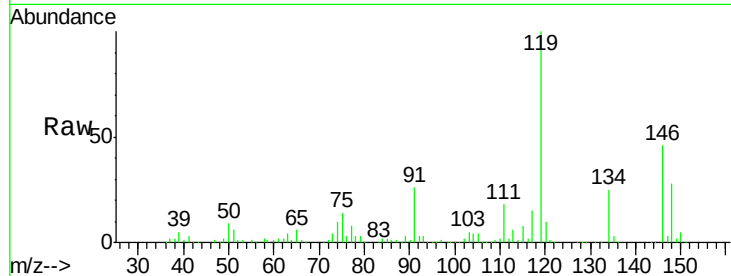
#87
 1,3-Dichlorobenzene
 Concen: 50.341 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.2
148	63.5	31.9	95.5

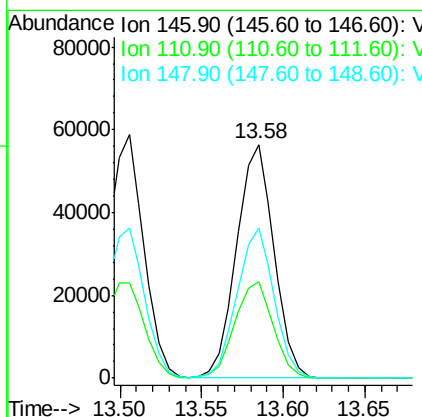
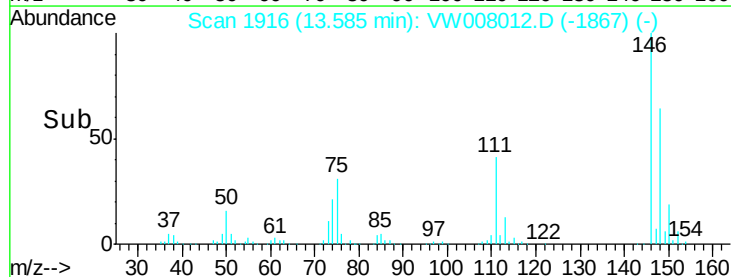
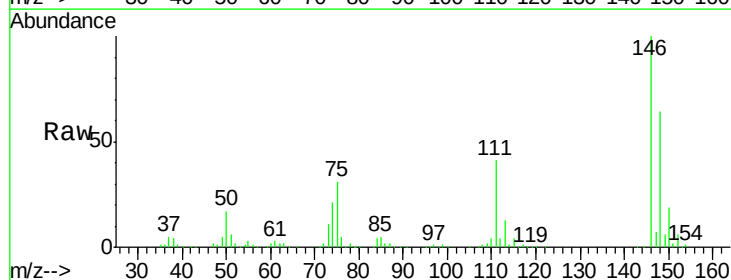
Manual Integrations
 APPROVED

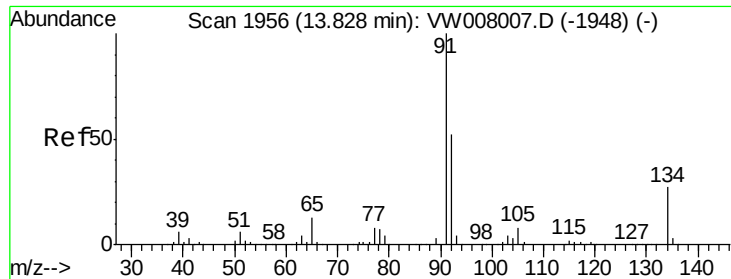
MMDadoda
 1/4/2019 12:02:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.809 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.9	62.8
148	64.0	31.9	95.9





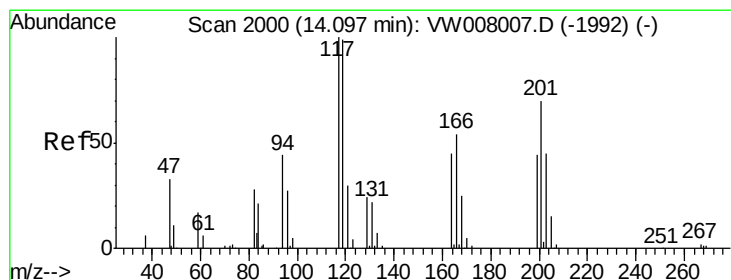
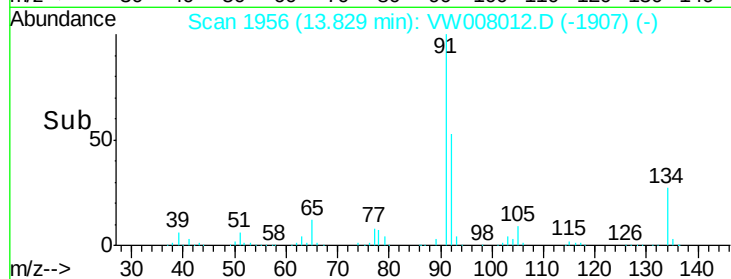
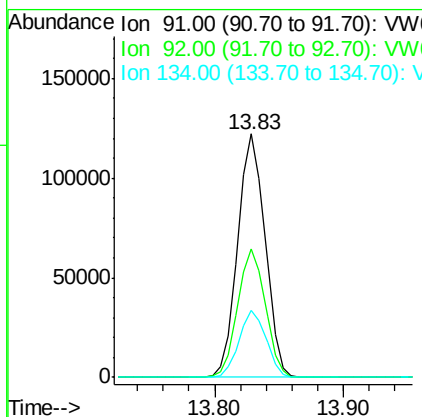
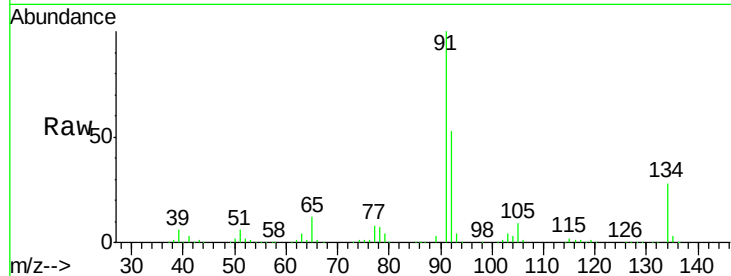
#89
n-Butylbenzene
Concen: 50.310 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	27.3	13.4	40.2

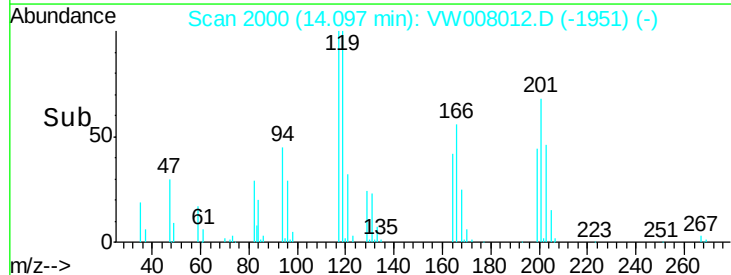
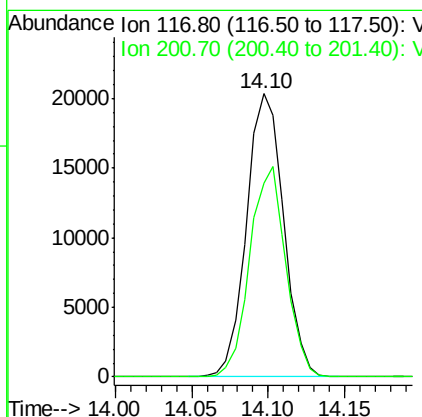
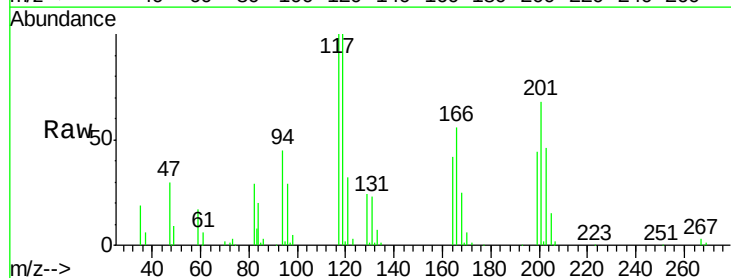
Manual Integrations
APPROVED

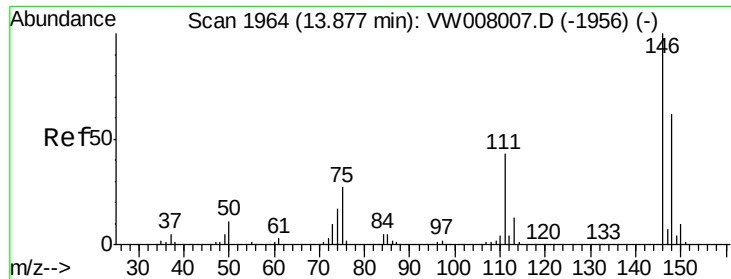
MMDadoda
1/4/2019 12:02:05 PM



#90
Hexachloroethane
Concen: 50.520 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	37.1	111.5





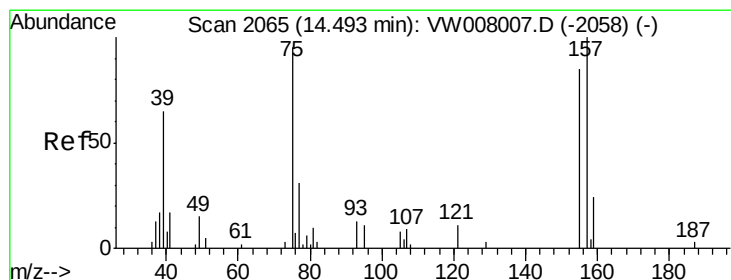
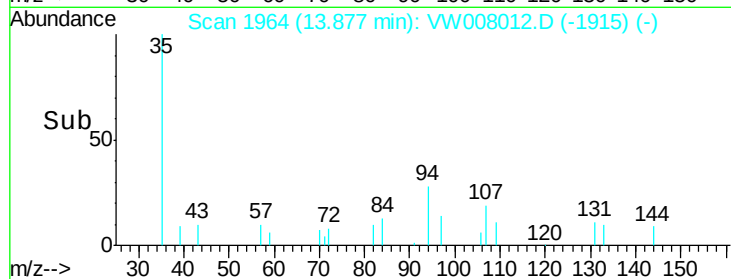
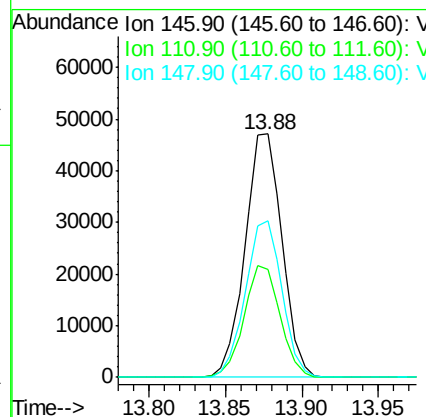
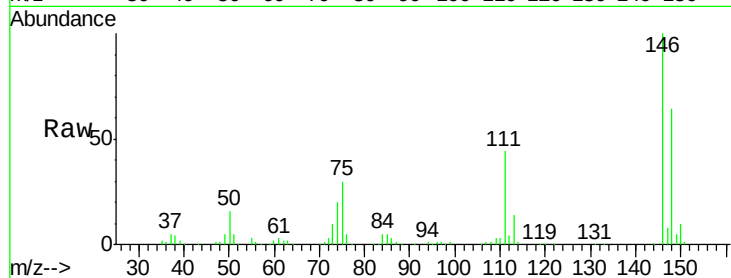
#91
 1,2-Dichlorobenzene
 Concen: 49.605 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.6	67.7
148	63.2	32.1	96.3

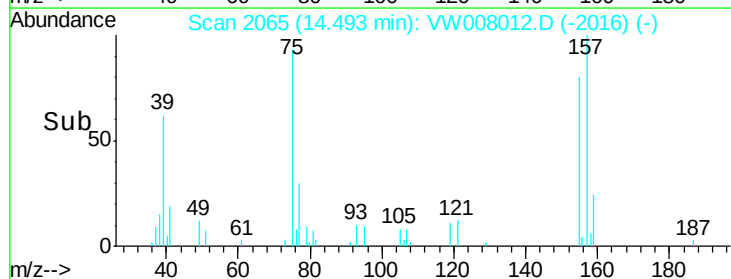
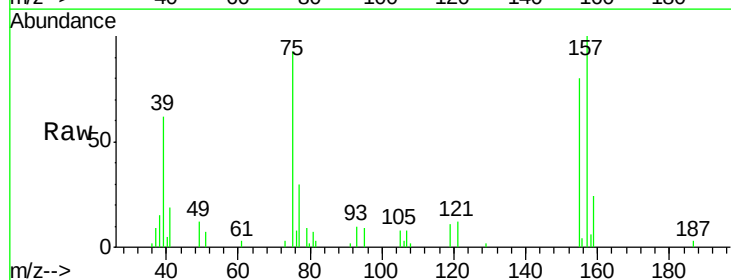
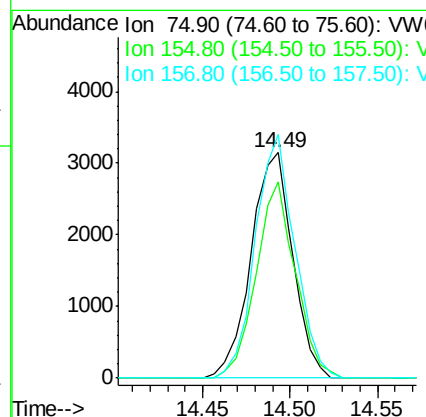
Manual Integrations
 APPROVED

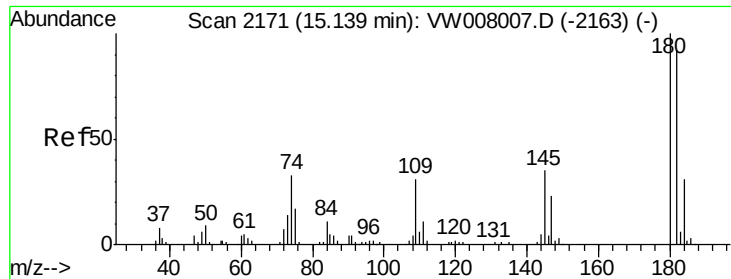
MMDadoda
 1/4/2019 12:02:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.068 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	42.4	127.1
157	102.6	52.3	156.8





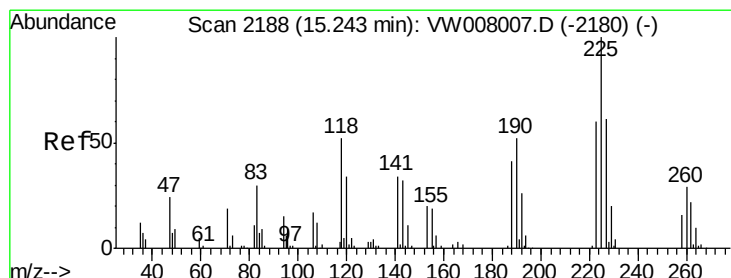
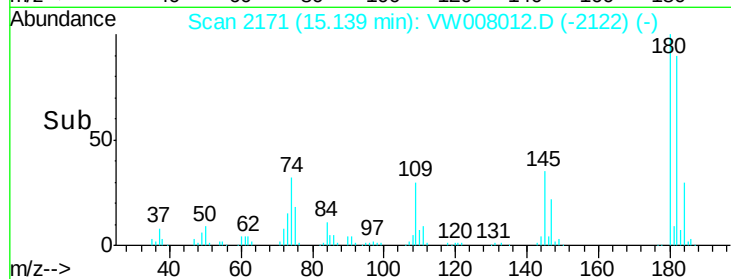
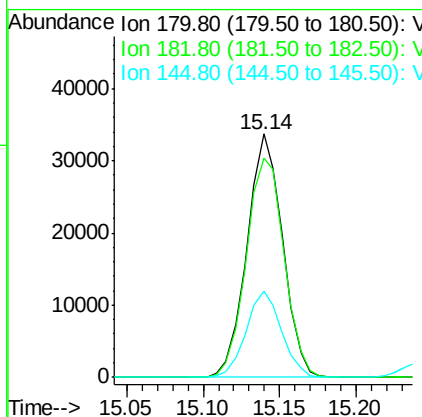
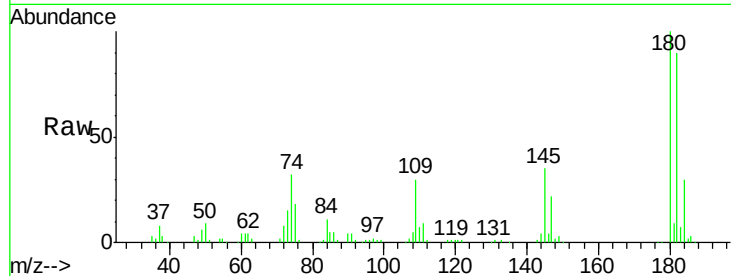
#93
 1,2,4-Trichlorobenzene
 Concen: 48.641 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	54581		
182	95.6	46.6	139.8	
145	35.1	17.2	51.6	

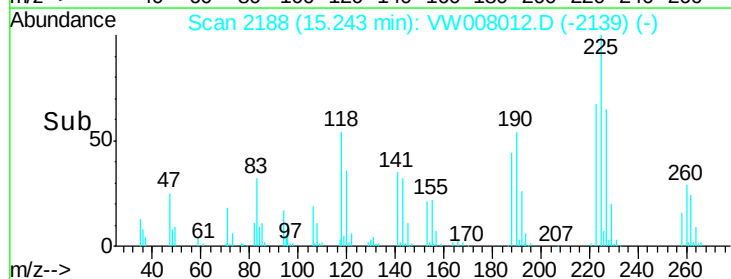
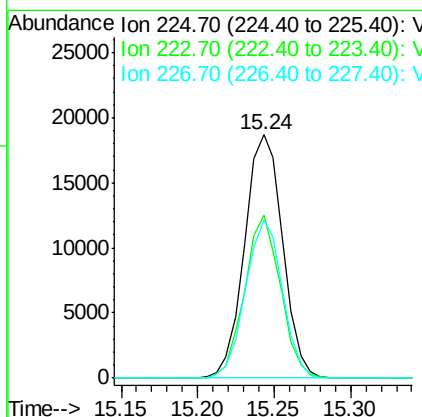
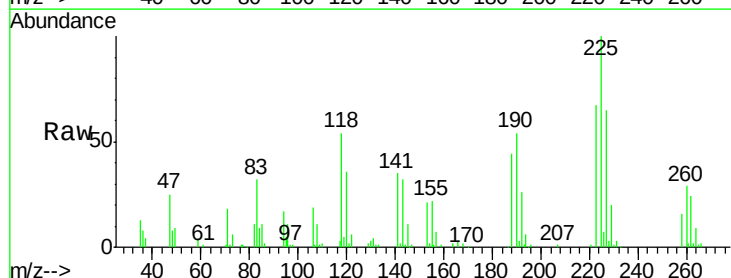
Manual Integrations
 APPROVED

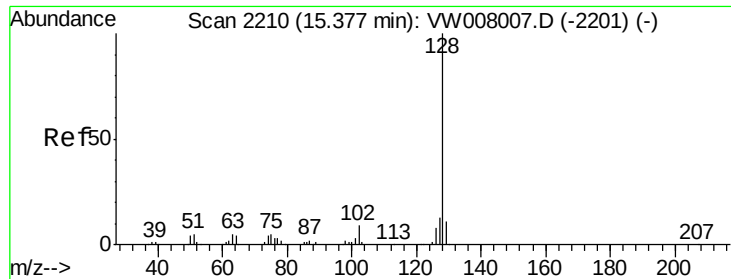
MMDadoda
 1/4/2019 12:02:05 PM



#94
 Hexachlorobutadiene
 Concen: 49.801 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008012.D
 Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32266		
223	63.2	30.6	92.0	
227	63.3	31.3	93.8	





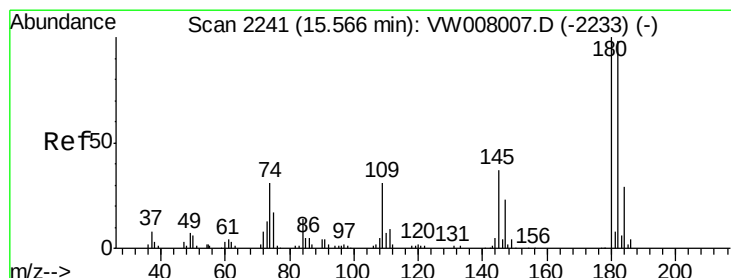
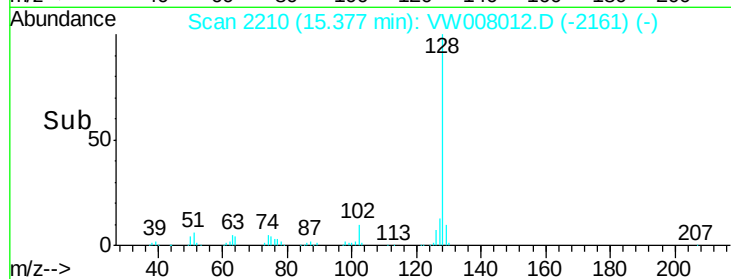
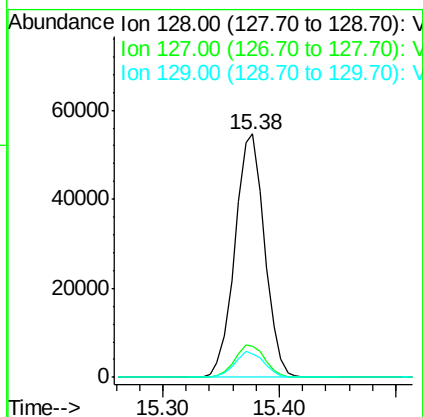
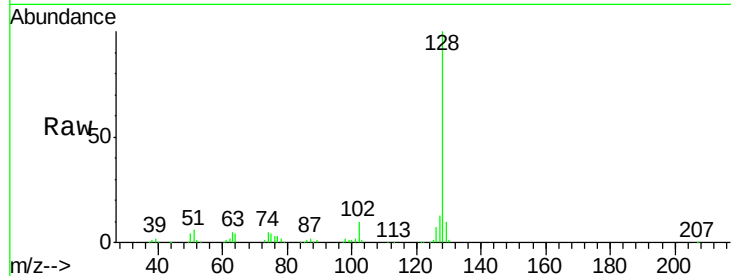
#95
Naphthalene
Concen: 50.742 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:02:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.855 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008012.D
Acq: 03 Jan 2019 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.8
145	36.0	18.7	56.1

