

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009106.D
 Acq On : 12 Mar 2019 01:42
 Operator : SY/VA
 Sample : VW0311SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:16:18 PM

Quant Time: Mar 12 09:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	298629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	468663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	179509	59.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.50%	
35) Dibromofluoromethane	7.88	113	152910	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
50) Toluene-d8	10.32	98	599004	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.62	95	232293	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	59867	19.892	ug/l	95
3) Chloromethane	2.20	50	78193	20.452	ug/l	98
4) Vinyl Chloride	2.35	62	78831	20.317	ug/l	98
5) Bromomethane	2.76	94	81049	24.746	ug/l	95
6) Chloroethane	2.90	64	59772	21.639	ug/l	96
7) Trichlorofluoromethane	3.25	101	101114	20.240	ug/l	98
8) Diethyl Ether	3.68	74	35336	23.133	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60342	19.394	ug/l	96
10) Methyl Iodide	4.27	142	49606	16.948	ug/l	99
11) Tert butyl alcohol	5.20	59	27800	120.746	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	53642	19.987	ug/l	98
13) Acrolein	3.89	56	22643	89.373	ug/l	98
14) Allyl chloride	4.67	41	98152	20.733	ug/l	97
15) Acrylonitrile	5.37	53	70974	106.458	ug/l	98
16) Acetone	4.14	43	61520	90.739	ug/l	98
17) Carbon Disulfide	4.37	76	177425	19.648	ug/l #	95
18) Methyl Acetate	4.68	43	41534	26.641	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	162792	22.929	ug/l	98
20) Methylene Chloride	4.91	84	68586	18.036	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	63669	20.545	ug/l	91
22) Diisopropyl ether	6.31	45	210979	22.425	ug/l	98
23) Vinyl Acetate	6.26	43	614822	105.015	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118967	21.801	ug/l	97
25) 2-Butanone	7.18	43	96610	103.106	ug/l	96
26) 2,2-Dichloropropane	7.16	77	92383	18.625	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	72017	21.638	ug/l	99
28) Bromochloromethane	7.51	49	50927	22.437	ug/l	99
29) Tetrahydrofuran	7.53	42	62588	105.997	ug/l	99
30) Chloroform	7.67	83	122847	21.866	ug/l	97
31) Cyclohexane	7.95	56	113230	20.208	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	110012	21.218	ug/l	99
36) 1,1-Dichloropropene	8.08	75	97213	19.838	ug/l	99
37) Ethyl Acetate	7.25	43	43265	18.796	ug/l	99
38) Carbon Tetrachloride	8.07	117	95758	18.921	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009106.D
 Acq On : 12 Mar 2019 01:42
 Operator : SY/VA
 Sample : VW0311SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0311SBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:16:18 PM

Quant Time: Mar 12 09:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106507	18.248	ug/l	97
40) Benzene	8.32	78	259367	19.827	ug/l	98
41) Methacrylonitrile	7.49	41	24673	19.303	ug/l	93
42) 1,2-Dichloroethane	8.40	62	85359	20.212	ug/l	98
43) Isopropyl Acetate	8.42	43	86549	20.189	ug/l	99
44) Trichloroethene	9.09	130	71039	19.376	ug/l	94
45) 1,2-Dichloropropane	9.37	63	67938	20.736	ug/l	97
46) Dibromomethane	9.46	93	37018	20.688	ug/l	98
47) Bromodichloromethane	9.64	83	94232	20.804	ug/l	96
48) Methyl methacrylate	9.43	41	38745	19.410	ug/l #	88
49) 1,4-Dioxane	9.47	88	9214	359.602	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	215883	99.194	ug/l	99
52) Toluene	10.38	92	168426	18.985	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	89104	19.890	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	103842	20.171	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	50576	20.854	ug/l	100
56) Ethyl methacrylate	10.65	69	59234	19.680	ug/l	98
57) 1,3-Dichloropropane	10.93	76	89960	20.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	163970	105.085	ug/l	98
59) 2-Hexanone	10.97	43	143337	93.673	ug/l	98
60) Dibromochloromethane	11.13	129	61703	20.559	ug/l	100
61) 1,2-Dibromoethane	11.23	107	46905	19.729	ug/l	95
64) Tetrachloroethene	10.86	164	68502	21.020	ug/l	95
65) Chlorobenzene	11.66	112	188715	19.186	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	65662	19.993	ug/l	99
67) Ethyl Benzene	11.73	91	333989	18.796	ug/l	98
68) m/p-Xylenes	11.84	106	261773	37.322	ug/l	99
69) o-Xylene	12.16	106	121635	18.638	ug/l	96
70) Styrene	12.18	104	201767	19.109	ug/l	100
71) Bromoform	12.35	173	34690	19.672	ug/l #	99
73) Isopropylbenzene	12.46	105	335996	19.479	ug/l	99
74) N-amyl acetate	12.27	43	75973	18.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	55519	20.405	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	48356m	25.409	ug/l	
77) Bromobenzene	12.74	156	79318	20.125	ug/l	97
78) n-propylbenzene	12.80	91	404250	19.027	ug/l	100
79) 2-Chlorotoluene	12.90	91	236219	19.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	283304	19.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15454	18.163	ug/l	96
82) 4-Chlorotoluene	12.99	91	244655	19.227	ug/l	98
83) tert-Butylbenzene	13.21	119	244739	19.517	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	287105	19.089	ug/l	100
85) sec-Butylbenzene	13.38	105	354464	19.078	ug/l	99
86) p-Isopropyltoluene	13.50	119	304651	18.330	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	160462	19.373	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	157213	19.206	ug/l	99
89) n-Butylbenzene	13.83	91	286264	18.117	ug/l	99
90) Hexachloroethane	14.10	117	55437	19.339	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	140520	19.229	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9435	19.469	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
Data File : VW009106.D
Acq On : 12 Mar 2019 01:42
Operator : SY/VA
Sample : VW0311SBSD02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

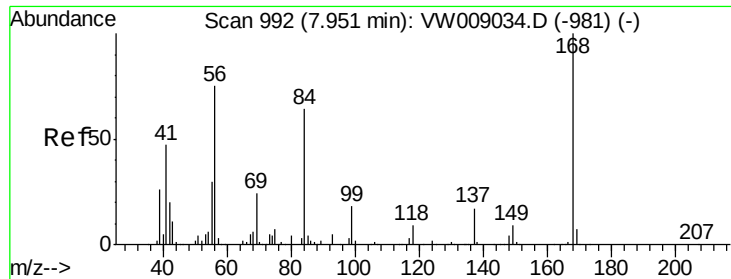
Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM

Quant Time: Mar 12 09:51:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	90763	18.391	ug/l	99
94) Hexachlorobutadiene	15.24	225	56175	18.172	ug/l	98
95) Naphthalene	15.37	128	153393	18.987	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	78045	17.984	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

Tot Ion:168 Resp: 298629

Ion Ratio Lower Upper

168 100

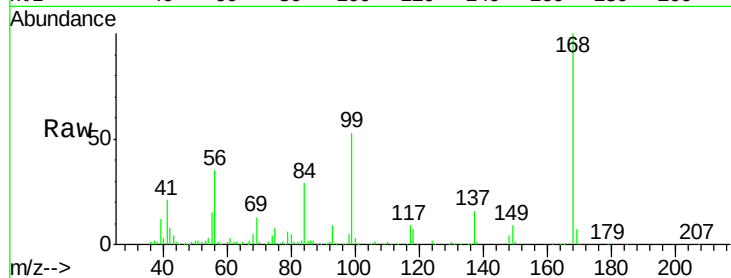
99 53.3 42.2 63.2

Manual Integrations

APPROVED

MMDadoda

3/12/2019 1:16:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

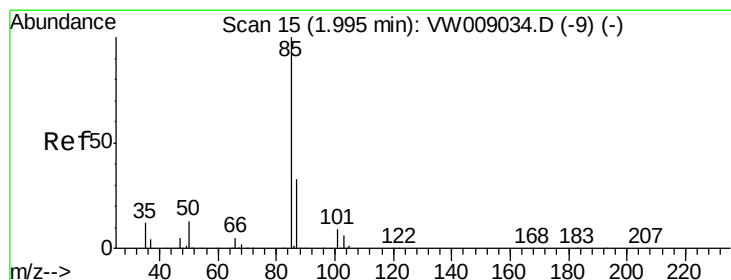
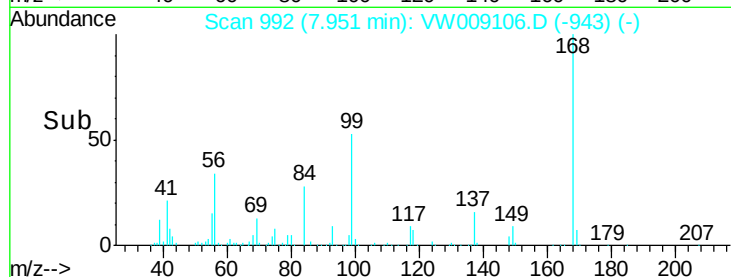
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.892 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW009106.D

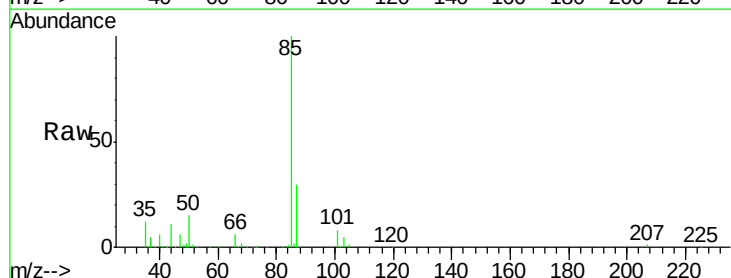
Acq: 12 Mar 2019 01:42

Tgt Ion: 85 Resp: 59867

Ion Ratio Lower Upper

85 100

87 30.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

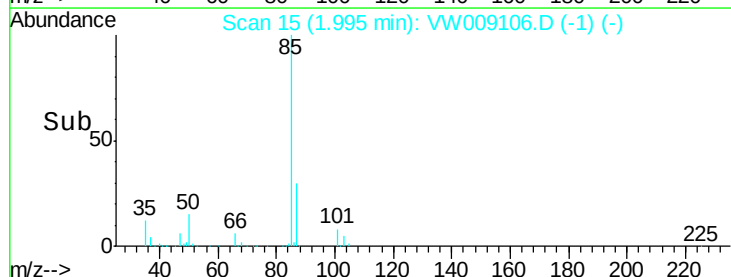
20000

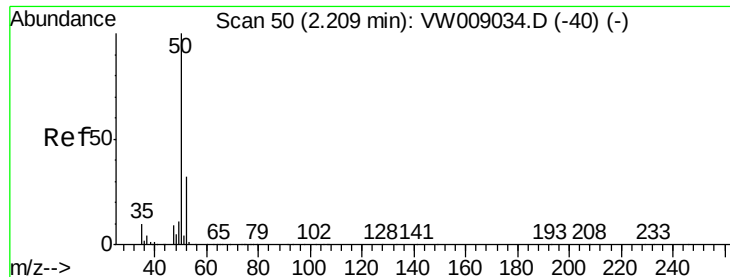
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.452 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

Tot Ion: 50 Resp: 78193

Ion Ratio Lower Upper

50 100

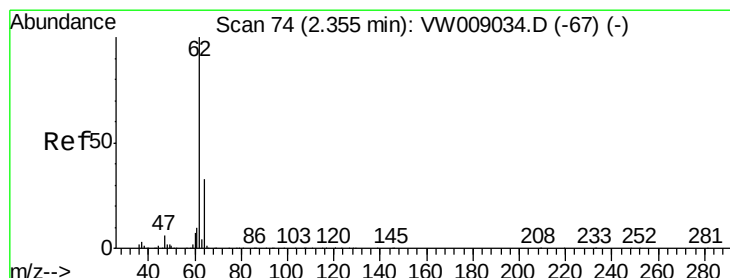
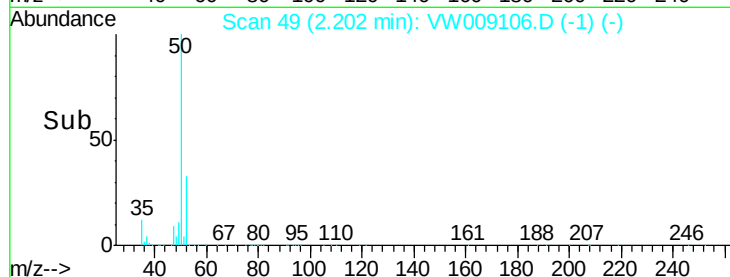
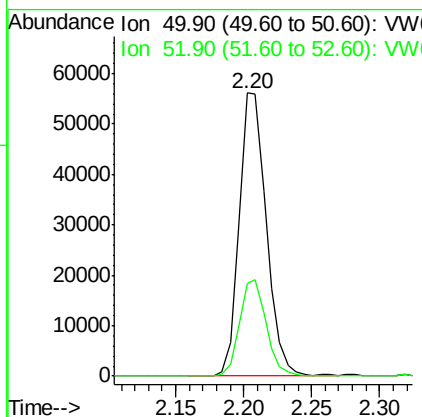
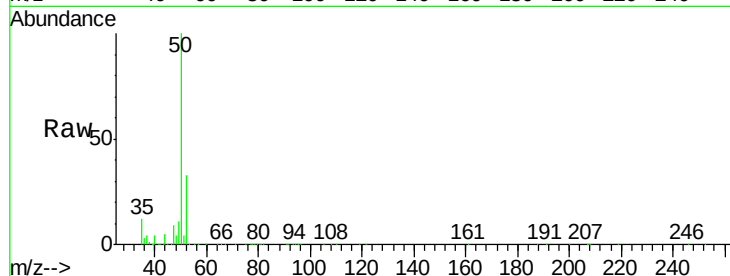
52 32.6 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

3/12/2019 1:16:18 PM



#4

Vinyl Chloride

Concen: 20.317 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW009106.D

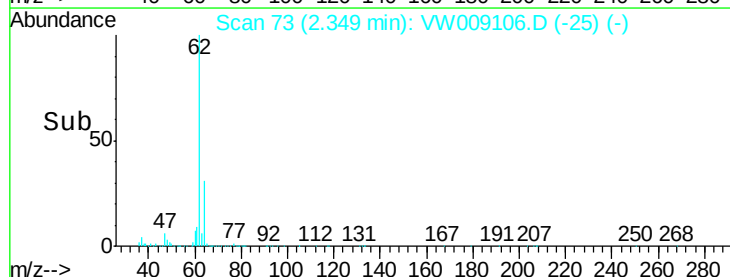
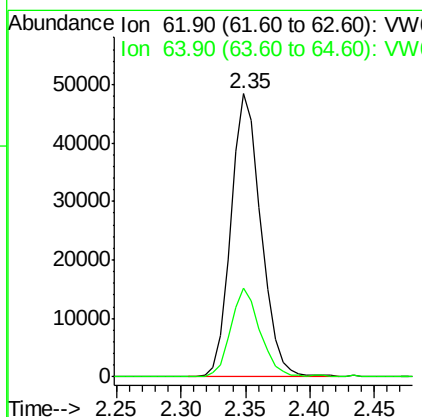
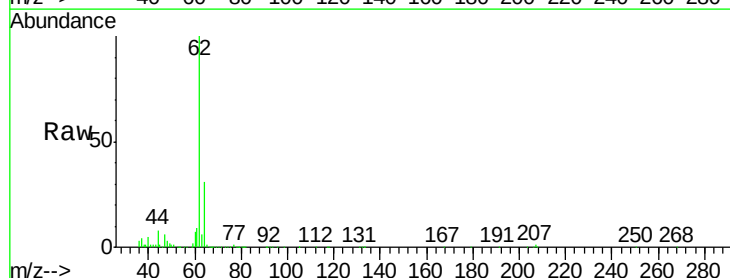
Acq: 12 Mar 2019 01:42

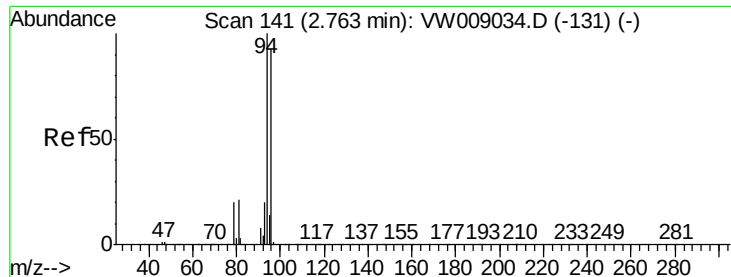
Tgt Ion: 62 Resp: 78831

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0





#5

Bromomethane

Concen: 24.746 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

Tot Ion: 94 Resp: 81049

Ion Ratio Lower Upper

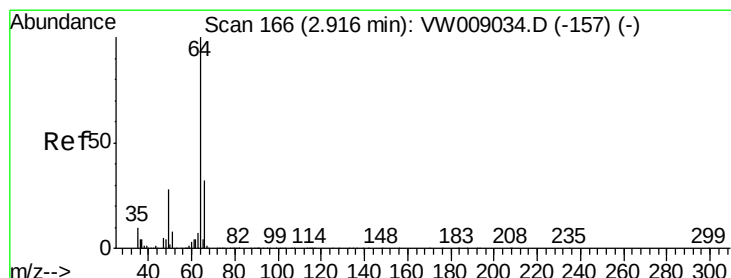
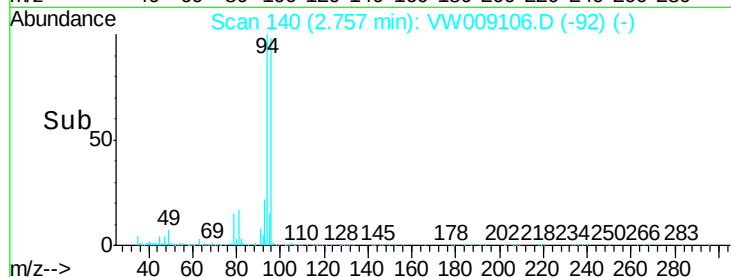
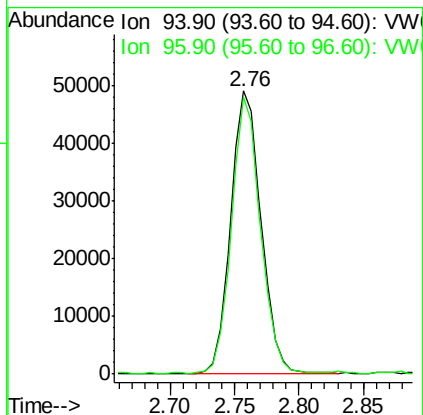
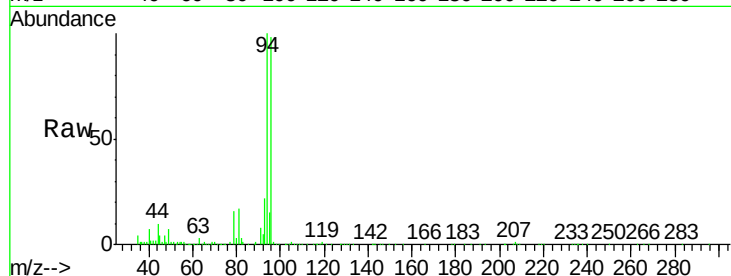
94 100

96 97.5 74.4 111.6

Manual Integrations
APPROVED

MMDadoda

3/12/2019 1:16:18 PM



#6

Chloroethane

Concen: 21.639 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009106.D

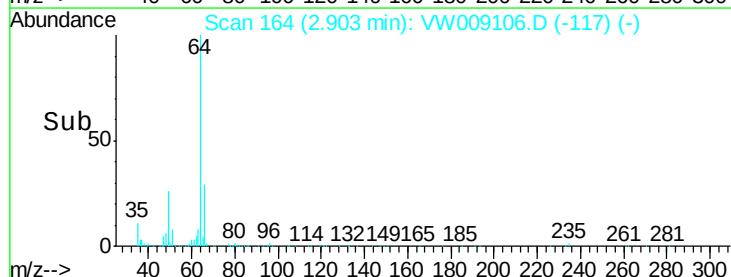
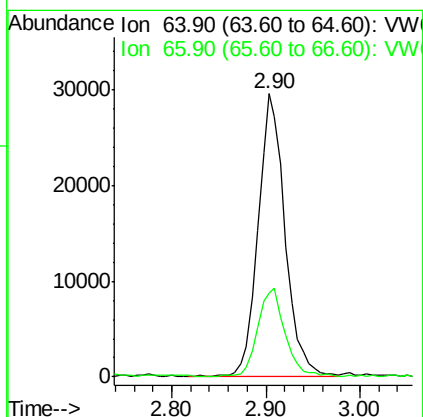
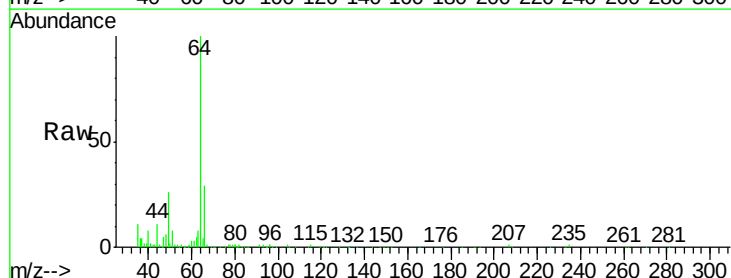
Acq: 12 Mar 2019 01:42

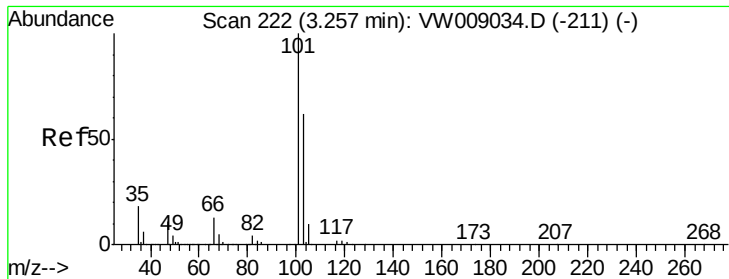
Tgt Ion: 64 Resp: 59772

Ion Ratio Lower Upper

64 100

66 29.5 25.5 38.3





#7

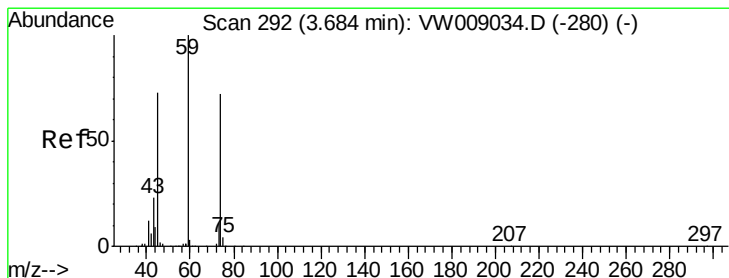
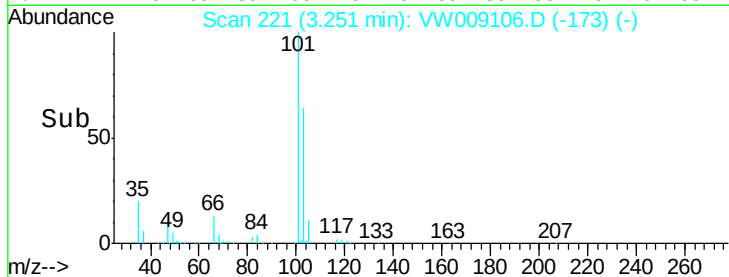
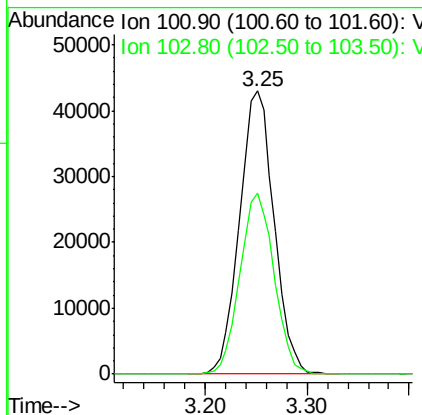
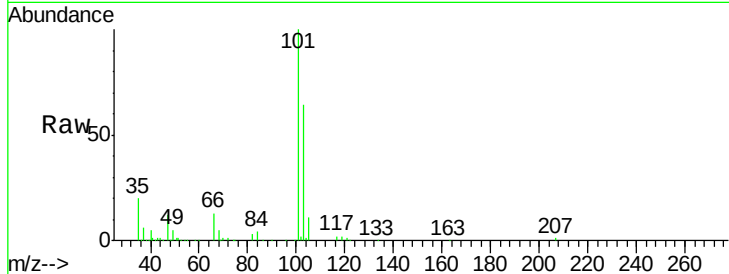
Trichlorofluoromethane
 Concen: 20.240 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	49.9	74.9

Manual Integrations
 APPROVED

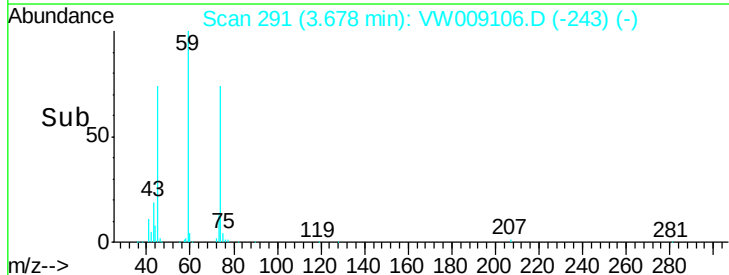
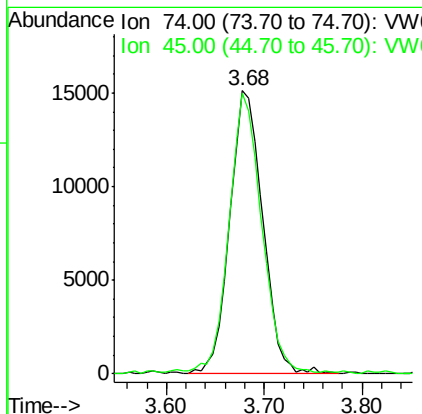
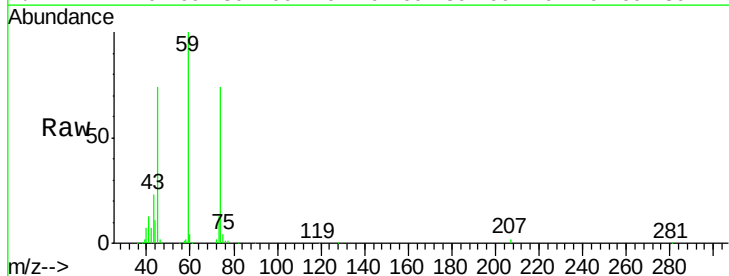
MMDadoda
 3/12/2019 1:16:18 PM

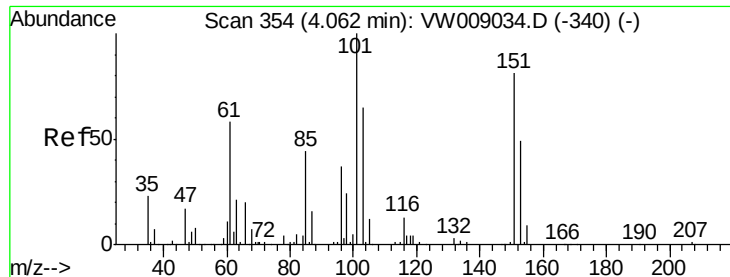


#8

Diethyl Ether
 Concen: 23.133 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.394 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

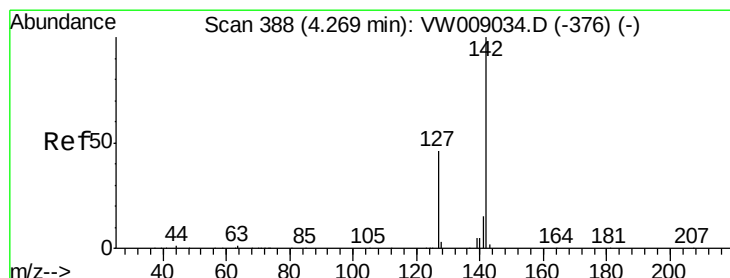
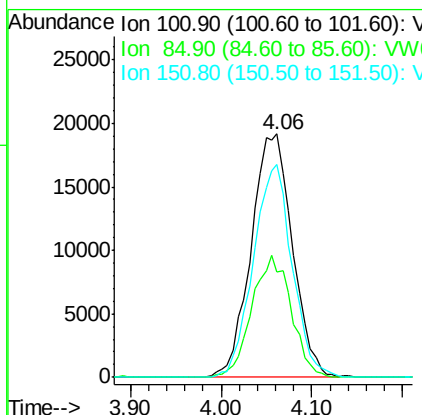
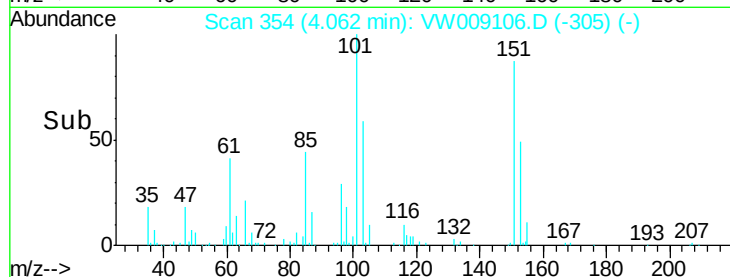
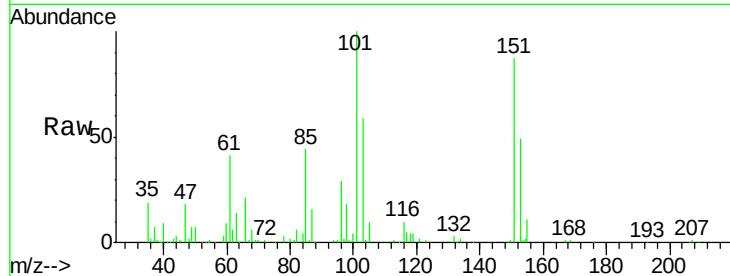
ClientSampled :

VW0311SBS02

Tot Ion:	101	Resp:	60342
Ion Ratio	Lower	Upper	
101	100		
85	47.7	36.2	54.4
151	82.4	63.4	95.2

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#10

Methyl Iodide

Concen: 16.948 ug/l

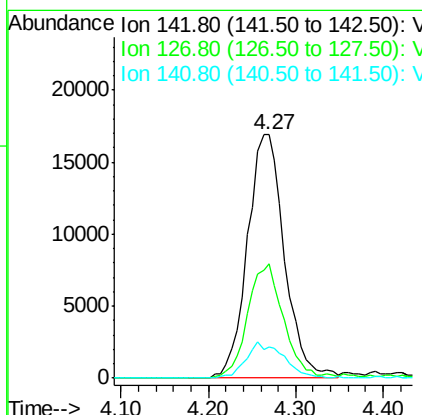
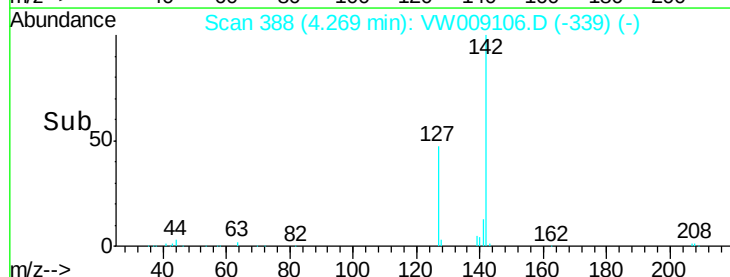
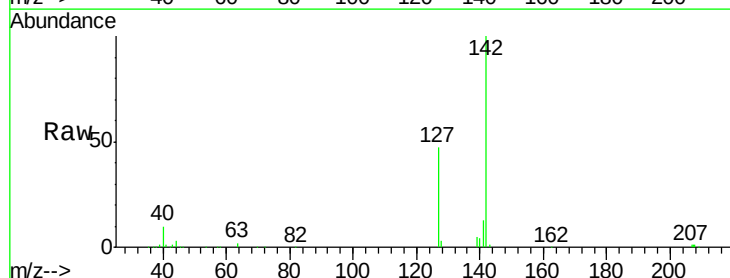
RT: 4.27 min Scan# 388

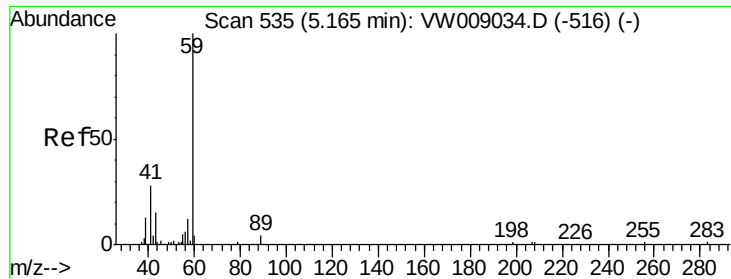
Delta R.T. 0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	142	Resp:	49606
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.8	53.6
141	15.1	11.8	17.8





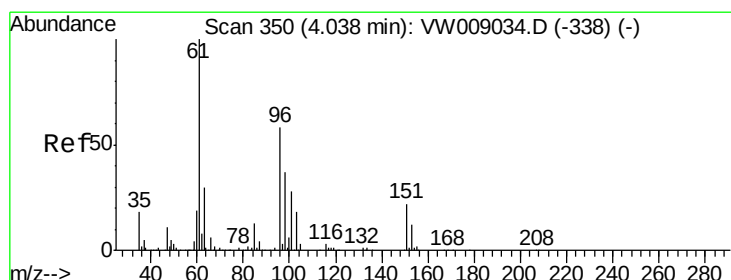
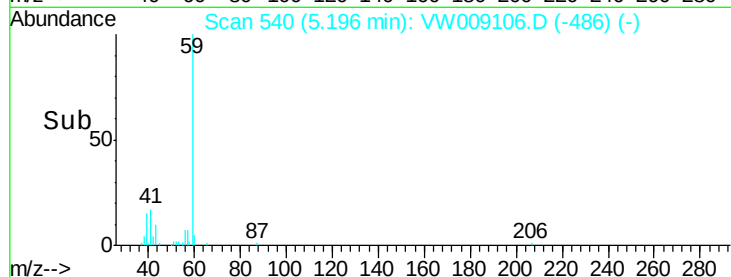
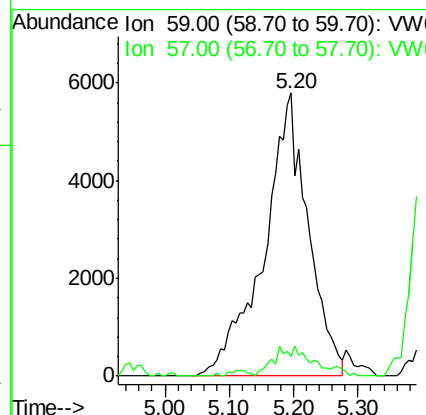
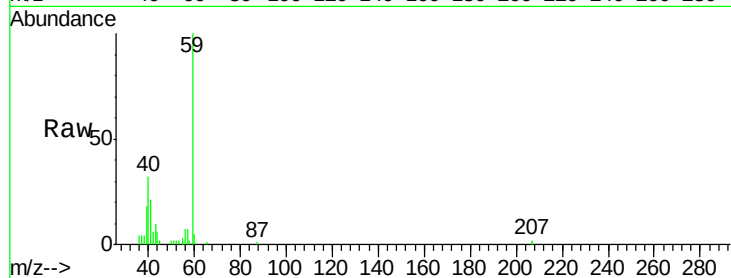
#11
Tert butyl alcohol
Concen: 120.746 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.03 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion: 59 Resp: 27800
Ion Ratio Lower Upper
59 100
57 4.1 8.6 12.8#

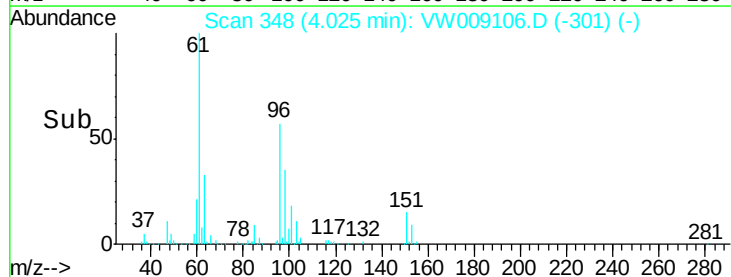
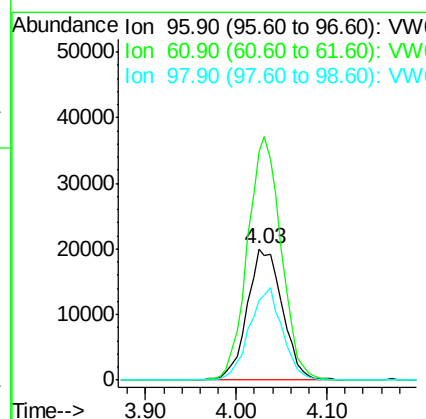
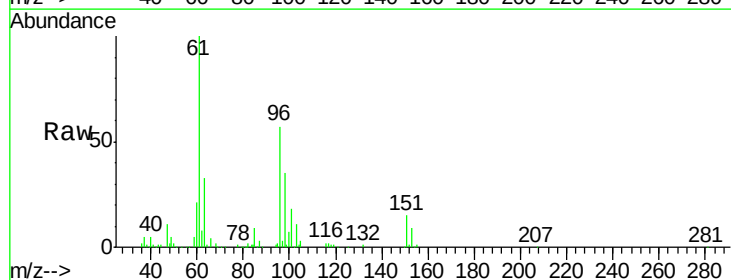
Manual Integrations
APPROVED

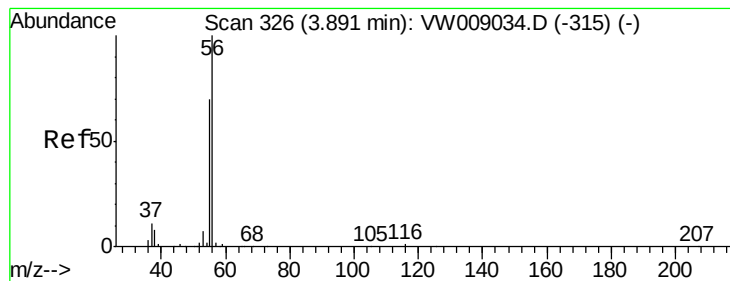
MMDadoda
3/12/2019 1:16:18 PM



#12
1,1-Dichloroethene
Concen: 19.987 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 96 Resp: 53642
Ion Ratio Lower Upper
96 100
61 173.9 138.2 207.2
98 60.5 51.3 76.9





#13

Acrolein

Concen: 89.373 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

Tot Ion: 56 Resp: 22643

Ion Ratio Lower Upper

56 100

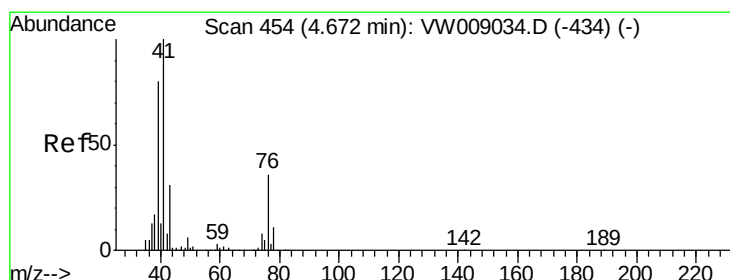
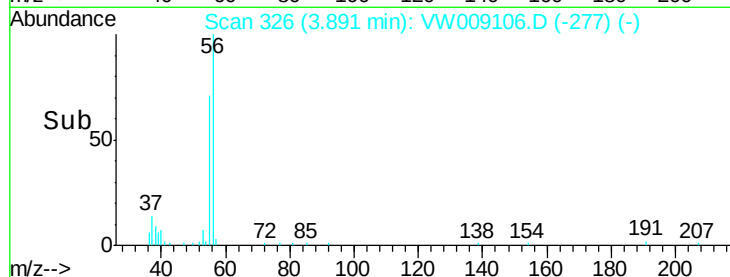
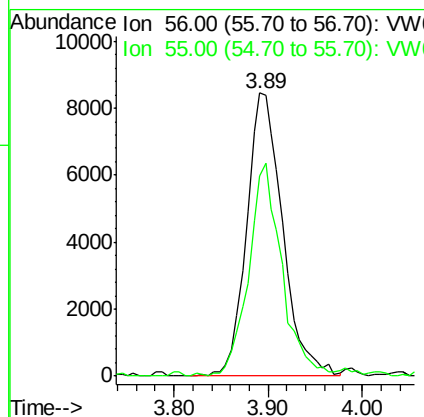
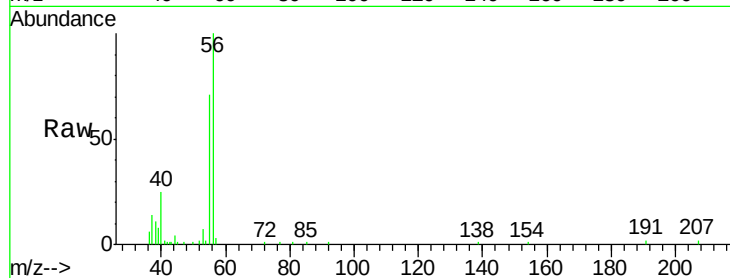
55 69.1 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

3/12/2019 1:16:18 PM



#14

Allyl chloride

Concen: 20.733 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

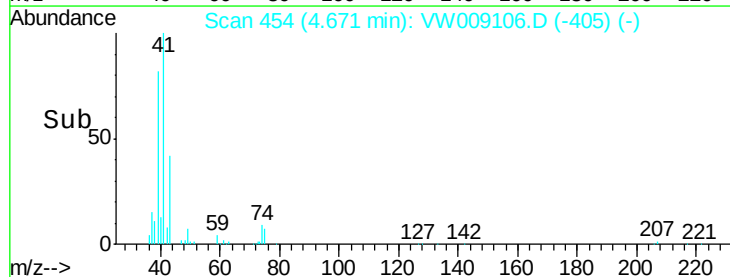
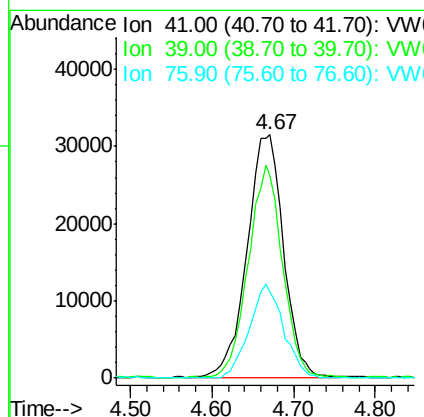
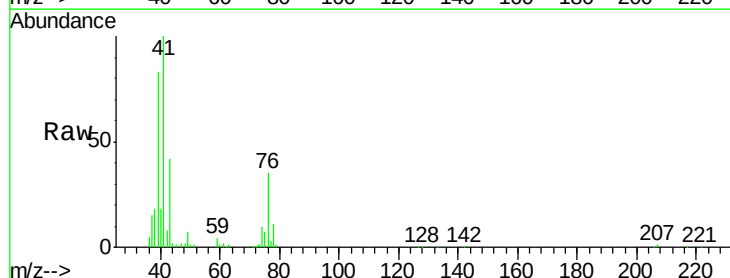
Tgt Ion: 41 Resp: 98152

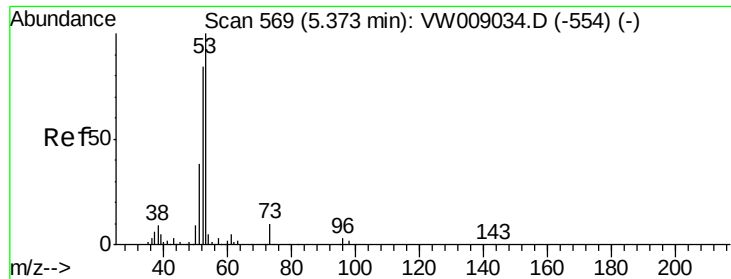
Ion Ratio Lower Upper

41 100

39 82.5 63.0 94.4

76 36.1 28.2 42.2





#15

Acrylonitrile

Concen: 106.458 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

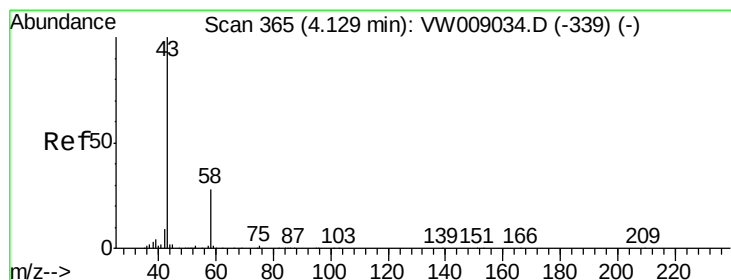
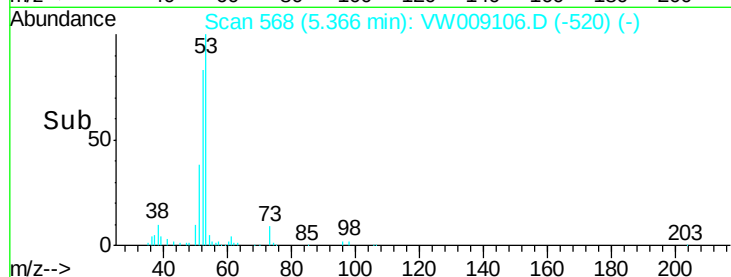
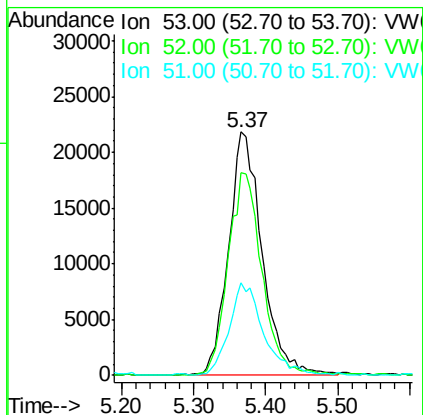
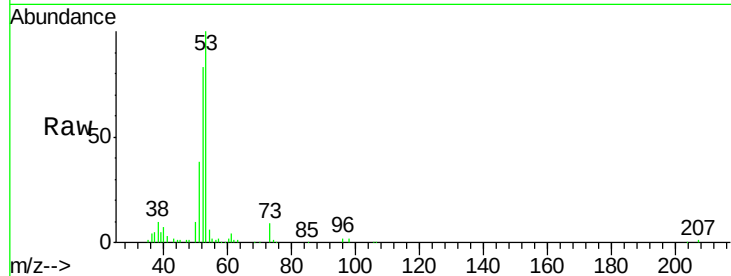
ClientSampleId :

VW0311SBSD02

Tot Ion:	53	Resp:	70974
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.2	100.8
51	38.8	31.8	47.6

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#16

Acetone

Concen: 90.739 ug/l

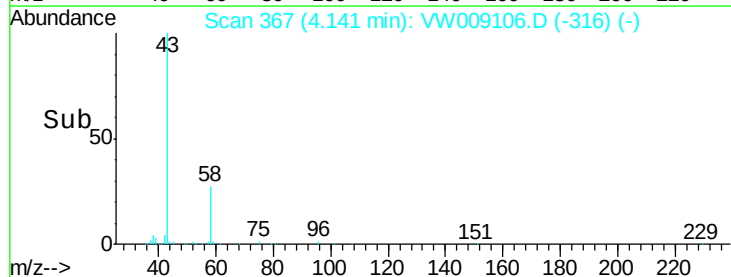
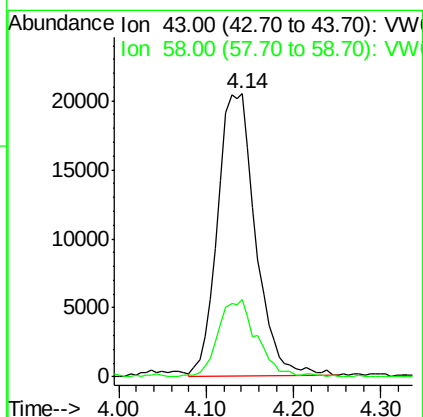
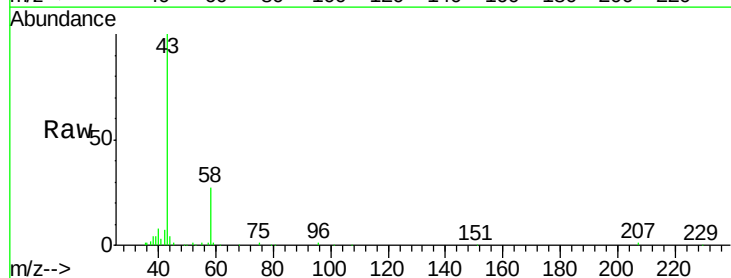
RT: 4.14 min Scan# 367

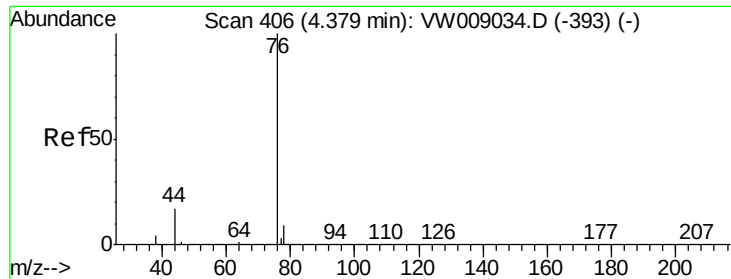
Delta R.T. 0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	43	Resp:	61520
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.5	33.7





#17

Carbon Disulfide

Concen: 19.648 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

Tot Ion: 76 Resp: 177425

Ion Ratio Lower Upper

76 100

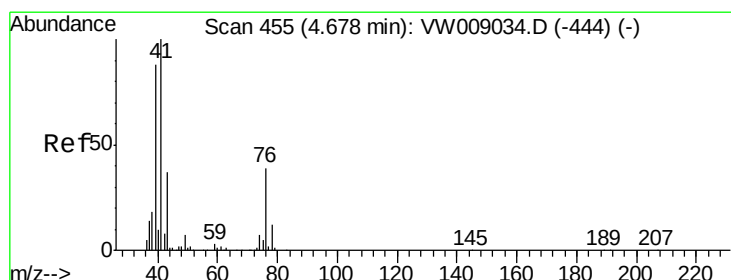
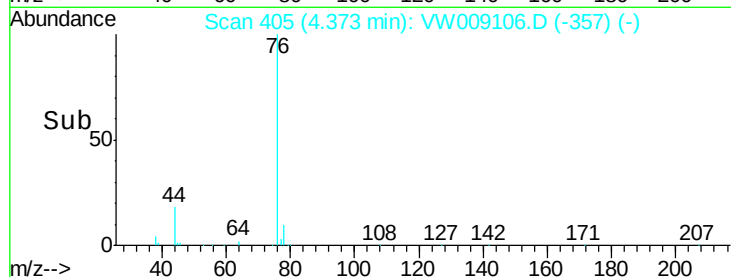
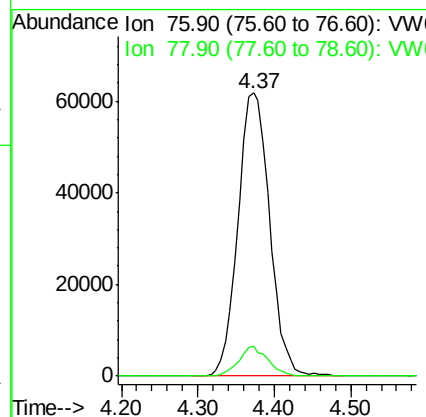
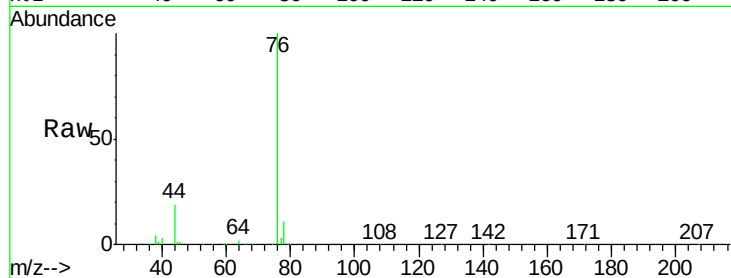
78 10.8 7.0 10.6#

Manual Integrations

APPROVED

MMDadoda

3/12/2019 1:16:18 PM



#18

Methyl Acetate

Concen: 26.641 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW009106.D

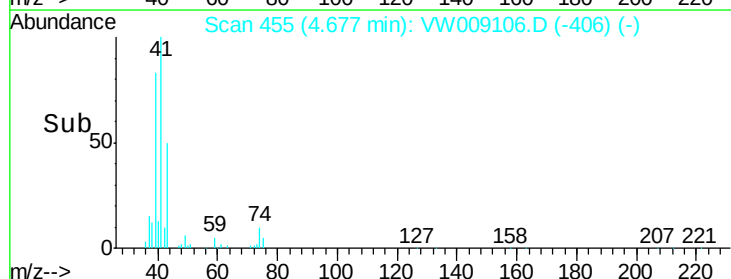
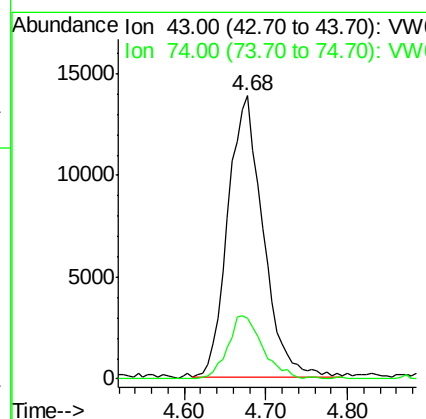
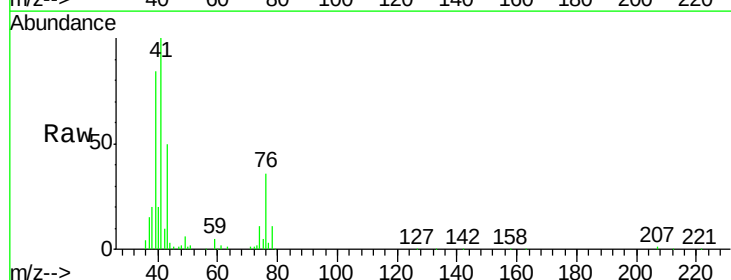
Acq: 12 Mar 2019 01:42

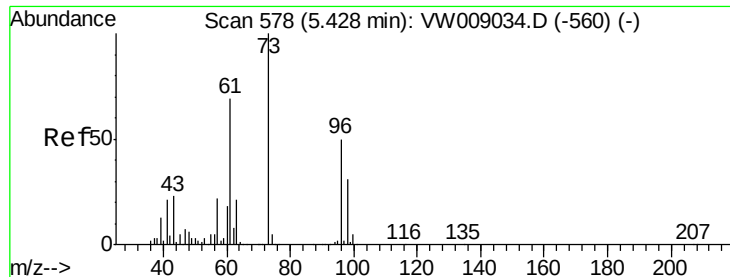
Tgt Ion: 43 Resp: 41534

Ion Ratio Lower Upper

43 100

74 21.8 17.6 26.4





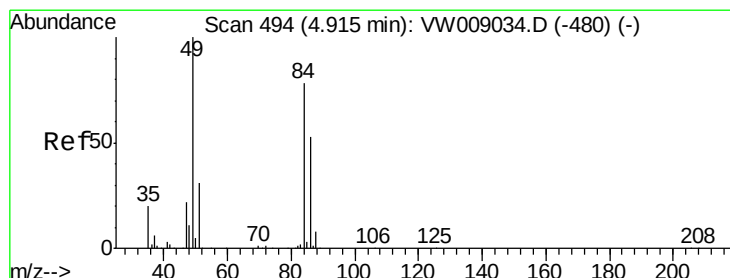
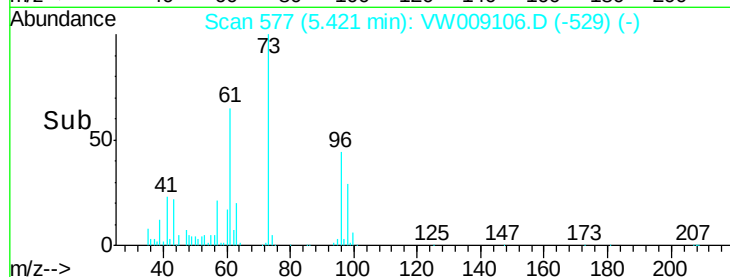
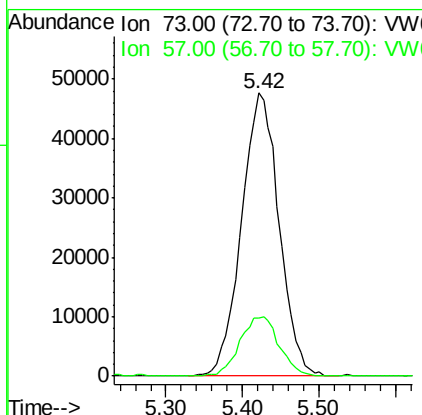
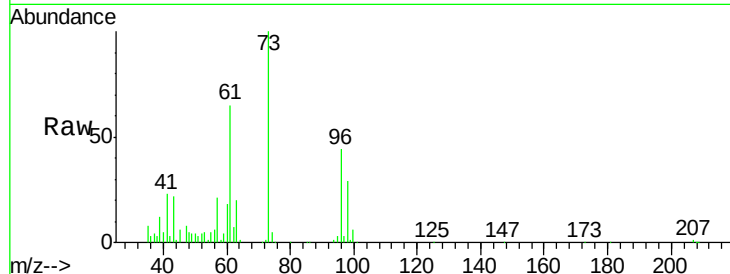
#19
Methyl tert-butyl Ether
Concen: 22.929 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion: 73 Resp: 162792
Ion Ratio Lower Upper
73 100
57 20.7 17.3 25.9

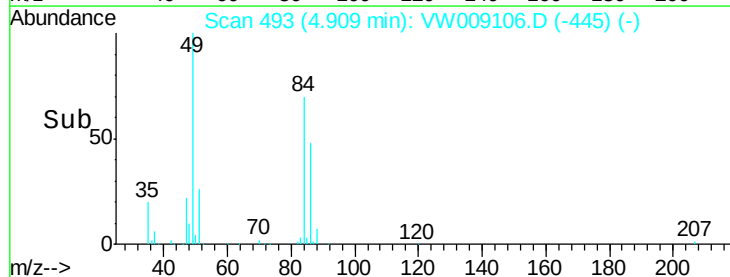
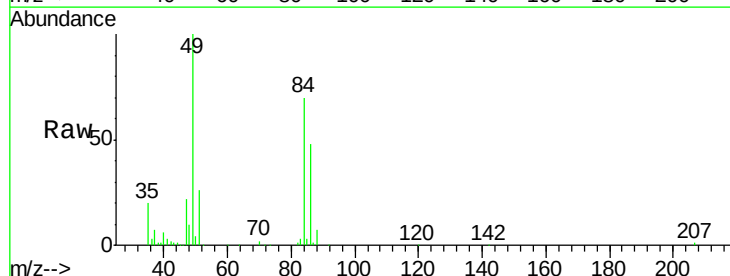
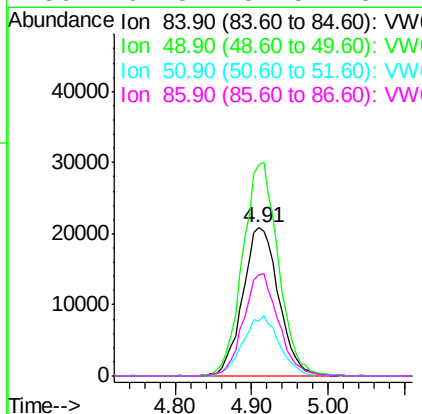
Manual Integrations
APPROVED

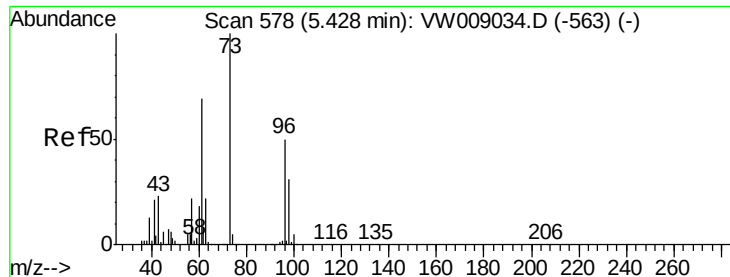
MMDadoda
3/12/2019 1:16:18 PM



#20
Methylene Chloride
Concen: 18.036 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 84 Resp: 68586
Ion Ratio Lower Upper
84 100
49 142.5 102.4 153.6
51 37.0 31.6 47.4
86 67.8 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.545 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

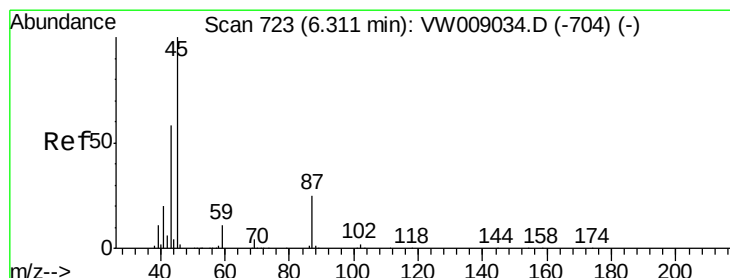
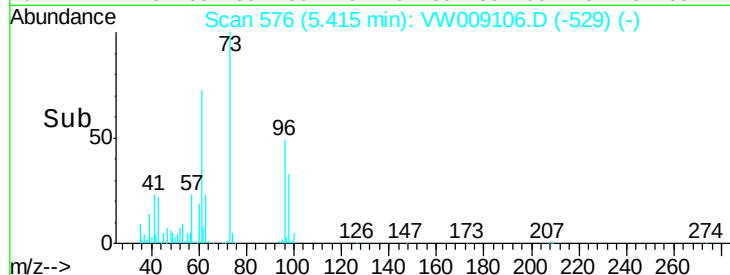
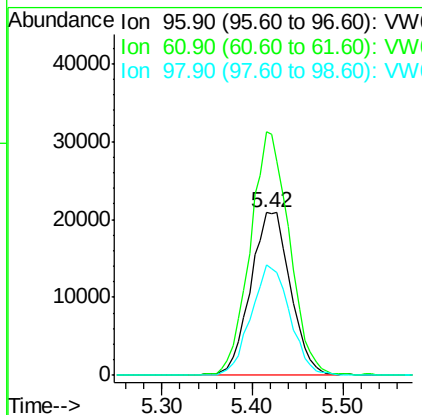
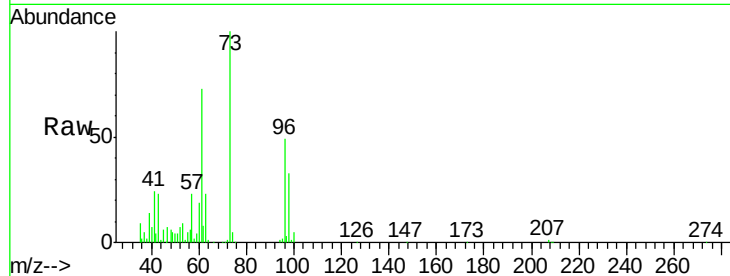
ClientSampleId :

VW0311SBSD02

Tot Ion:	96	Resp:	63669
Ion	Ratio	Lower	Upper
96	100		
61	149.6	111.0	166.6
98	67.6	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#22

Diisopropyl ether

Concen: 22.425 ug/l

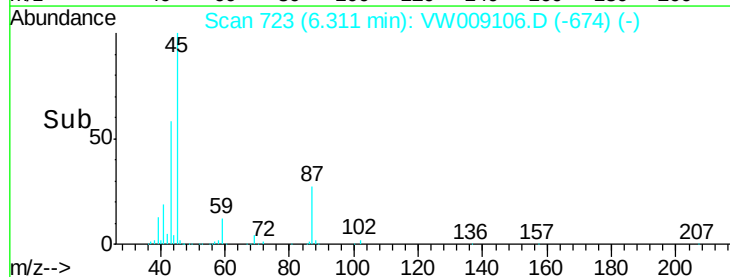
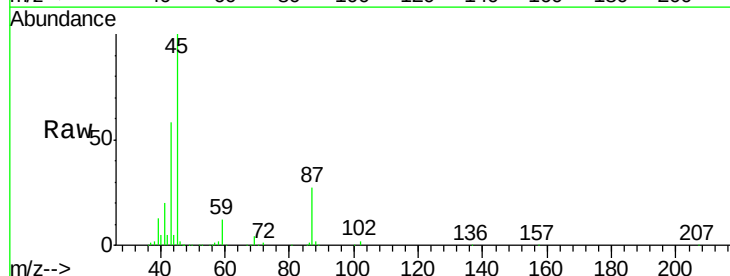
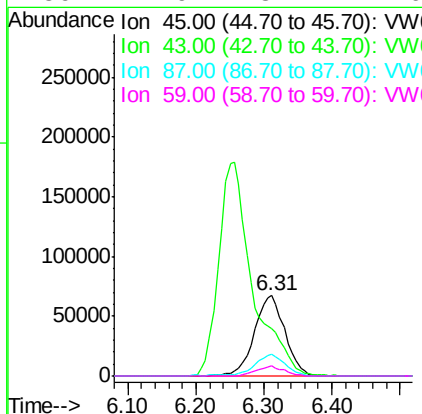
RT: 6.31 min Scan# 723

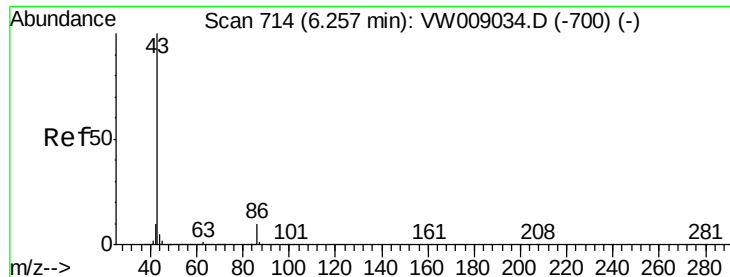
Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	45	Resp:	210979
Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.2	69.4
87	27.4	20.1	30.1
59	11.9	8.4	12.6





#23

Vinyl Acetate

Concen: 105.015 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 43 Resp: 614822

Ion Ratio Lower Upper

43 100

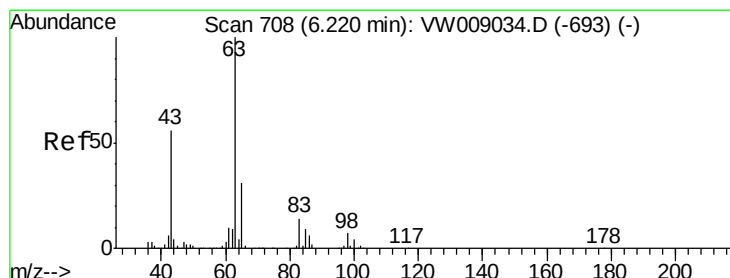
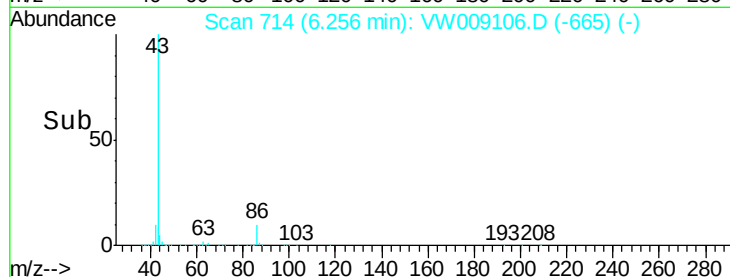
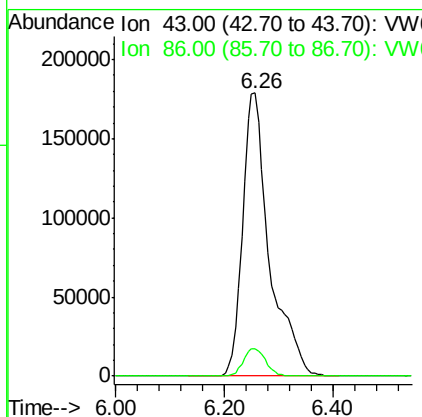
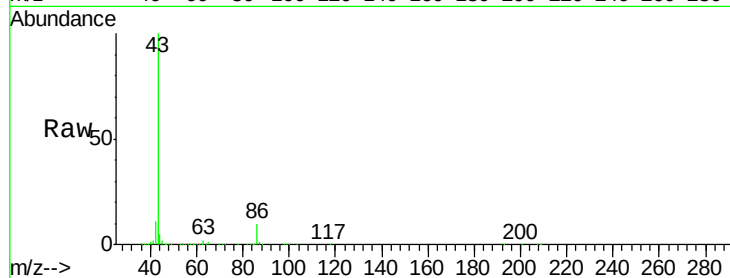
86 9.8 7.6 11.4

Manual Integrations

APPROVED

MMDadoda

3/12/2019 1:16:18 PM



#24

1,1-Dichloroethane

Concen: 21.801 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

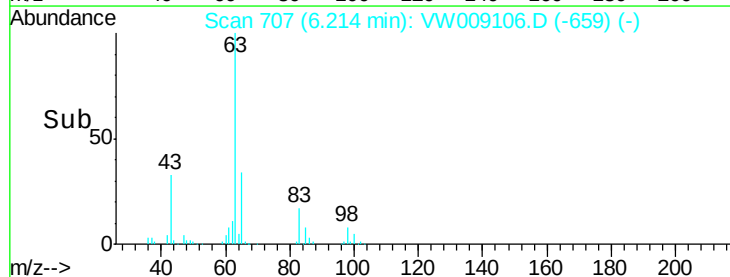
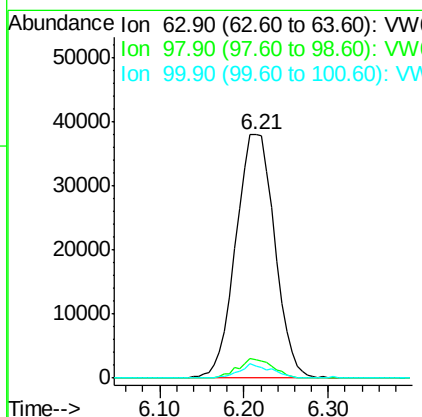
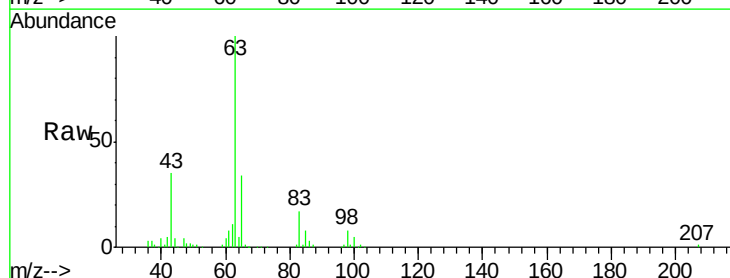
Tgt Ion: 63 Resp: 118967

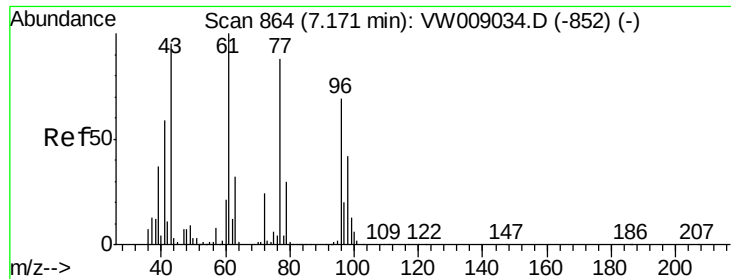
Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.2

100 5.0 2.1 6.2





#25

2-Butanone

Concen: 103.106 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS02

Tot Ion: 43 Resp: 96610

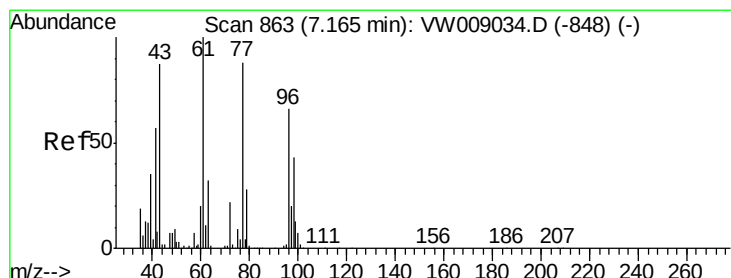
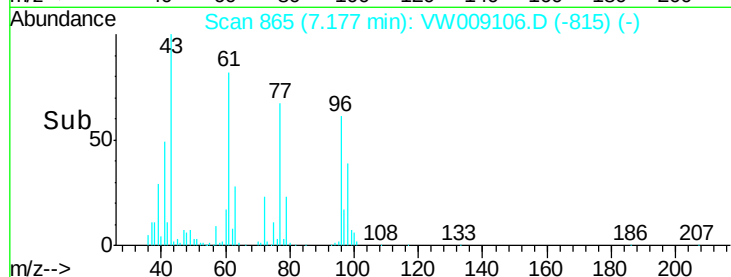
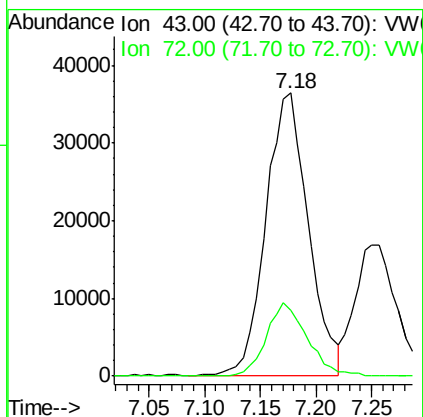
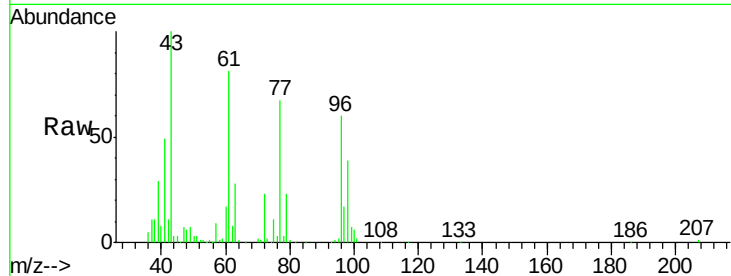
Ion Ratio Lower Upper

43 100

72 22.8 20.0 30.0

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#26

2,2-Dichloropropane

Concen: 18.625 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW009106.D

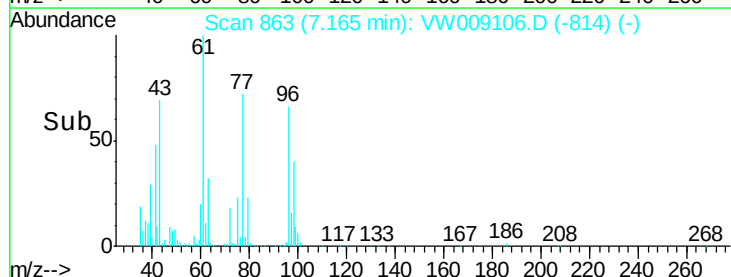
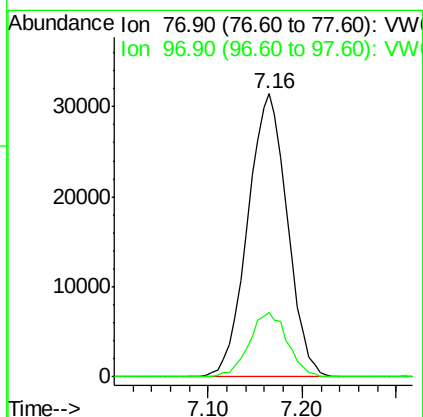
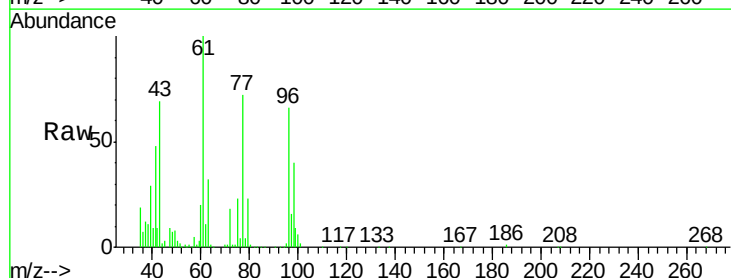
Acq: 12 Mar 2019 01:42

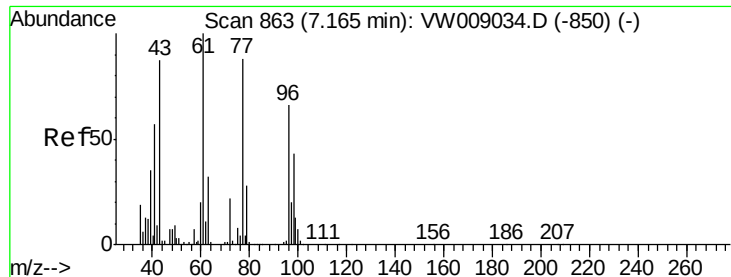
Tgt Ion: 77 Resp: 92383

Ion Ratio Lower Upper

77 100

97 22.0 10.9 32.9





#27

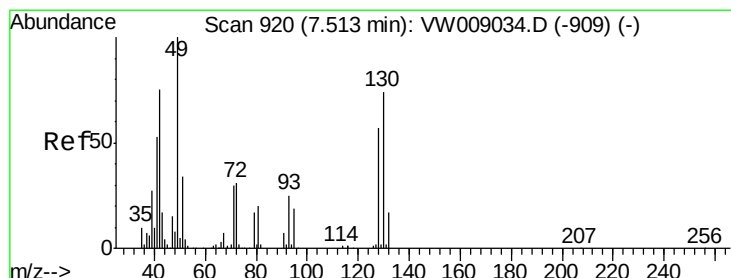
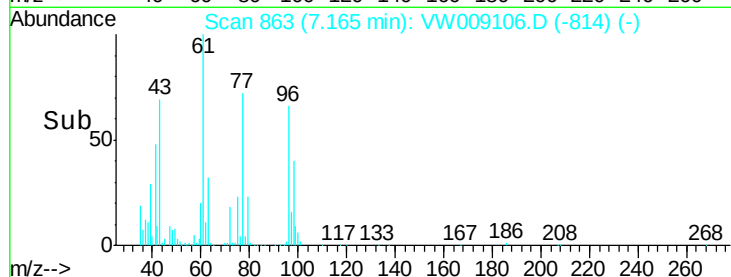
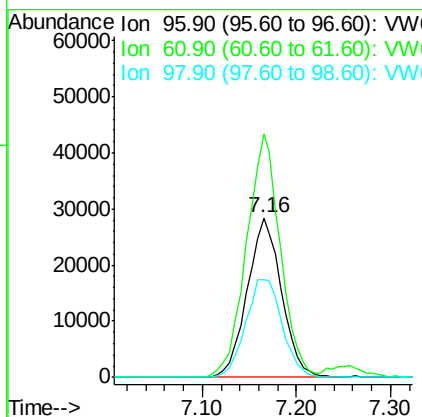
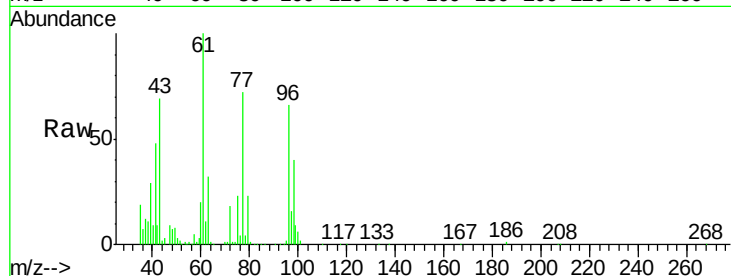
cis-1,2-Dichloroethene
 Concen: 21.638 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	299.8
98	65.4	0.0	127.2

Manual Integrations
 APPROVED

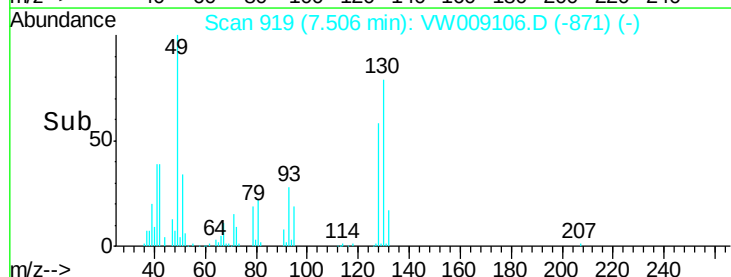
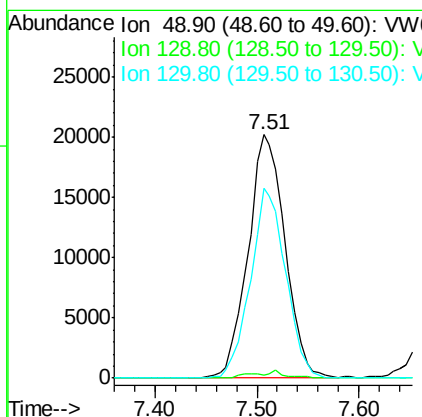
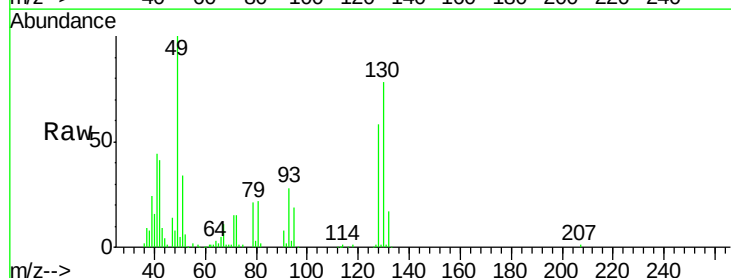
MMDadoda
 3/12/2019 1:16:18 PM

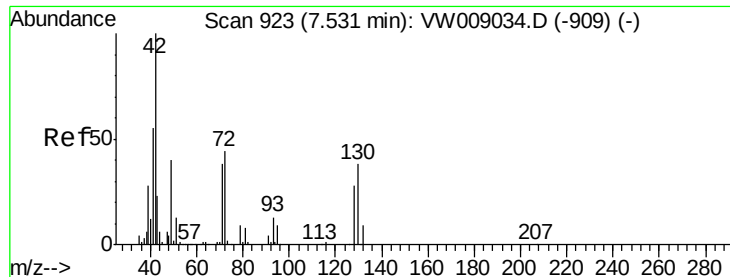


#28

Bromochloromethane
 Concen: 22.437 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	74.4	60.4	90.6





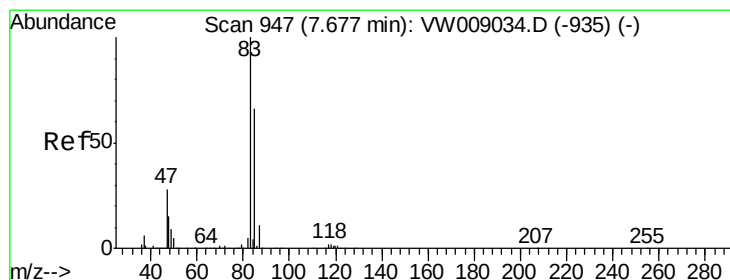
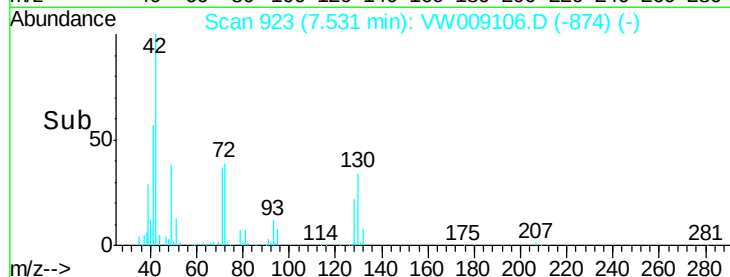
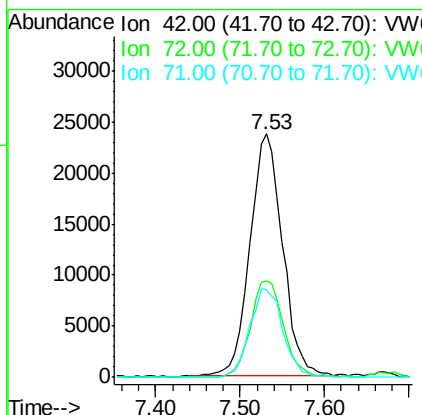
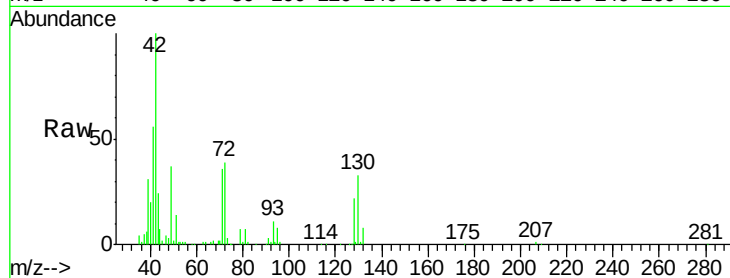
#29
Tetrahydrofuran
Concen: 105.997 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.2	48.4
71	37.1	30.7	46.1

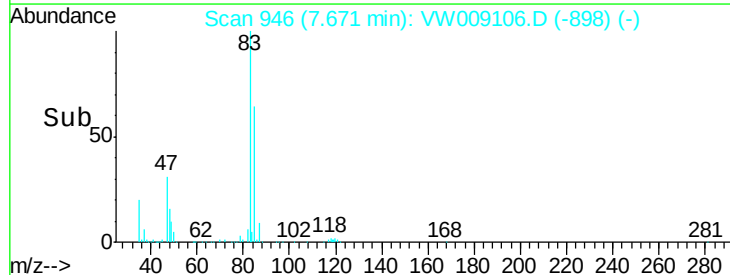
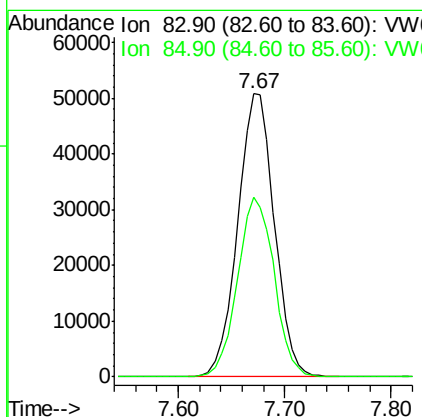
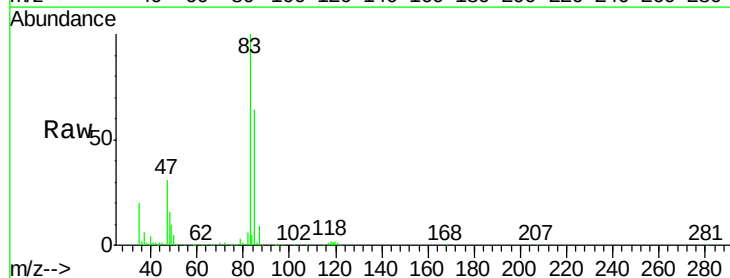
Manual Integrations
APPROVED

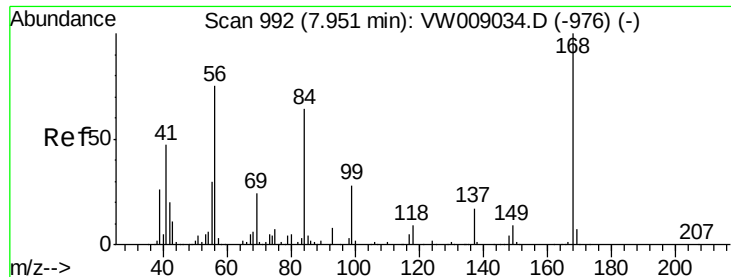
MMDadoda
3/12/2019 1:16:18 PM



#30
Chloroform
Concen: 21.866 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.0	79.6





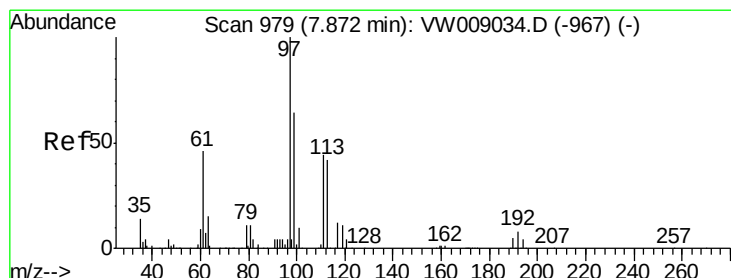
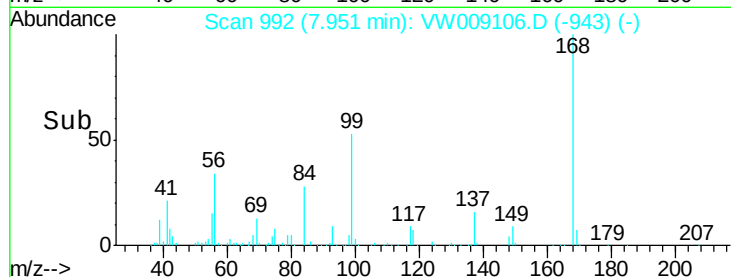
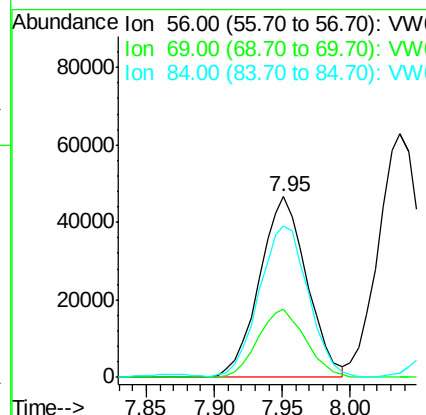
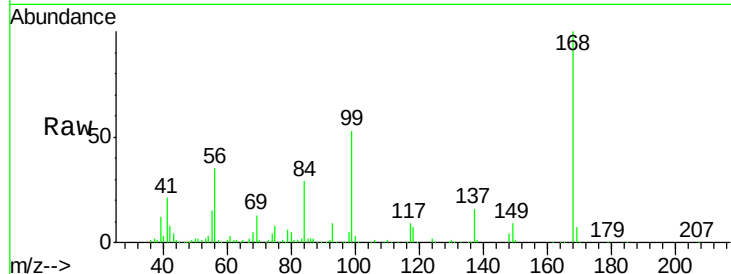
#31
Cyclohexane
Concen: 20.208 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.5	38.3
84	82.6	68.6	103.0

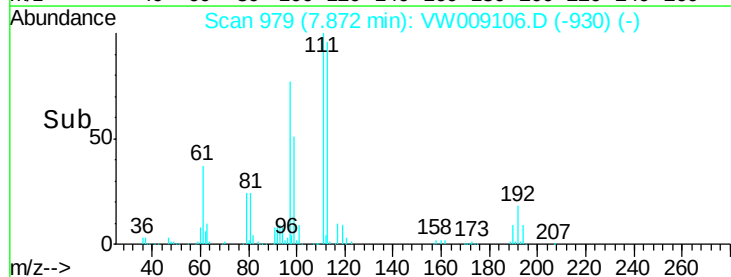
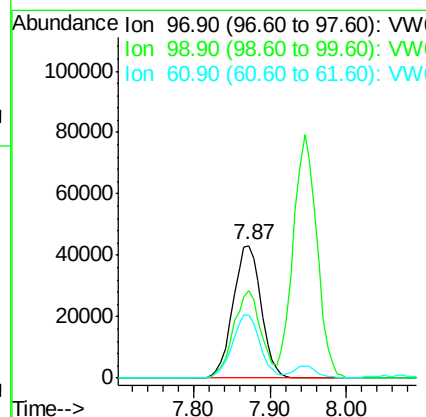
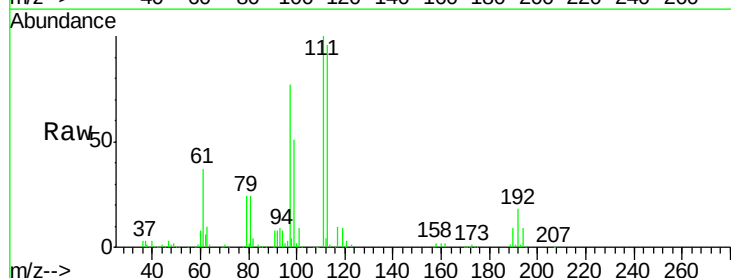
Manual Integrations
APPROVED

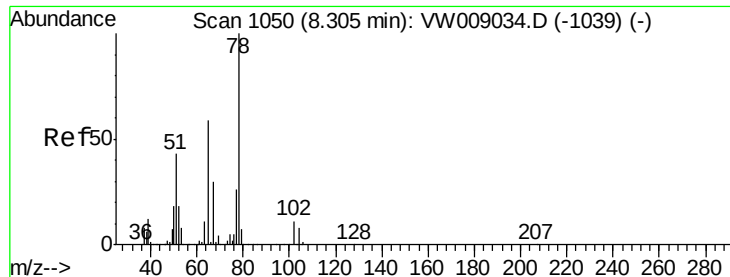
MMDadoda
3/12/2019 1:16:18 PM



#32
1,1,1-Trichloroethane
Concen: 21.218 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	47.1	37.3	55.9





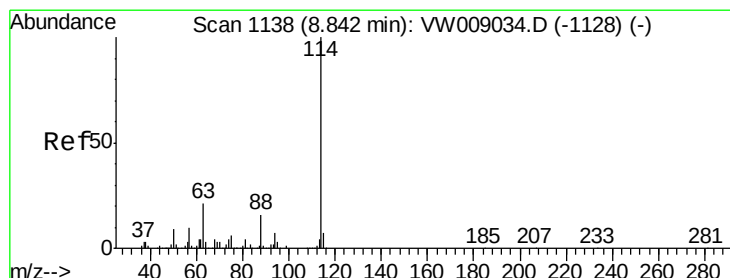
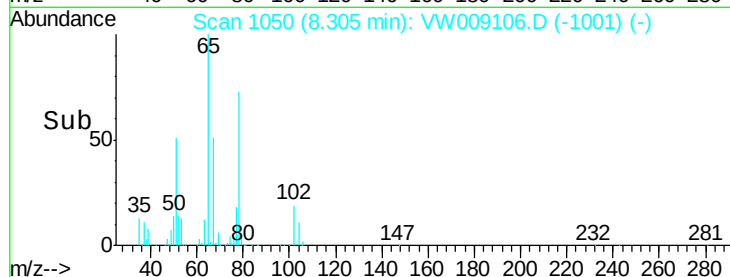
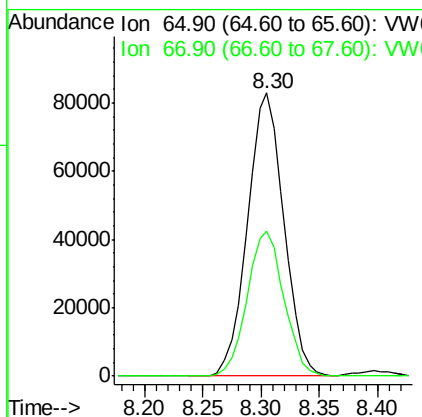
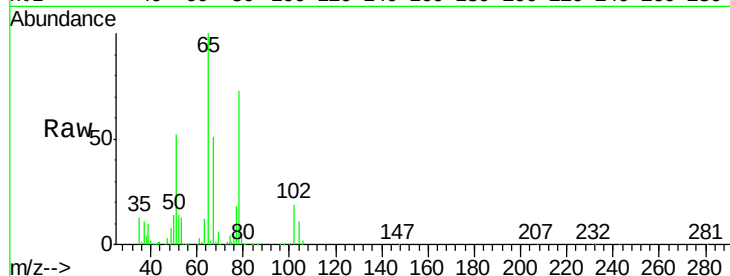
#33
 1,2-Dichloroethane-d4
 Concen: 59.747 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.0

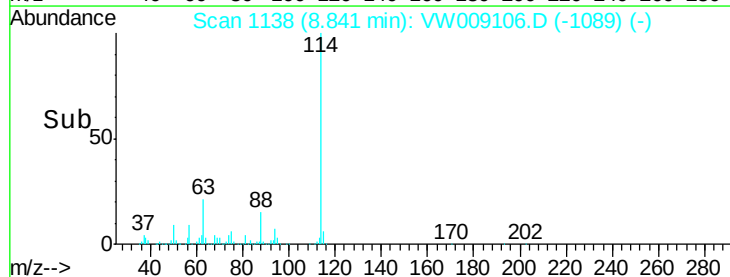
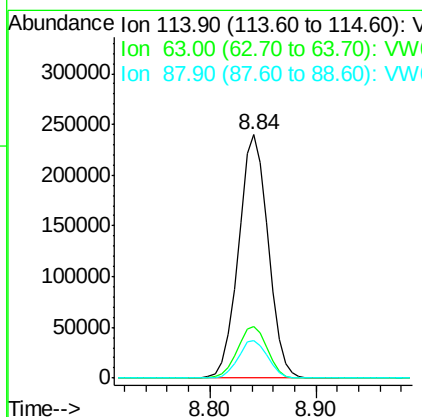
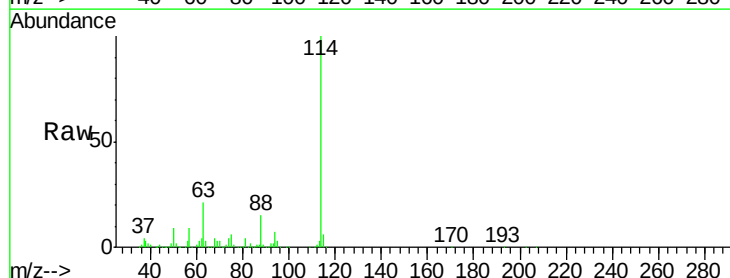
Manual Integrations
 APPROVED

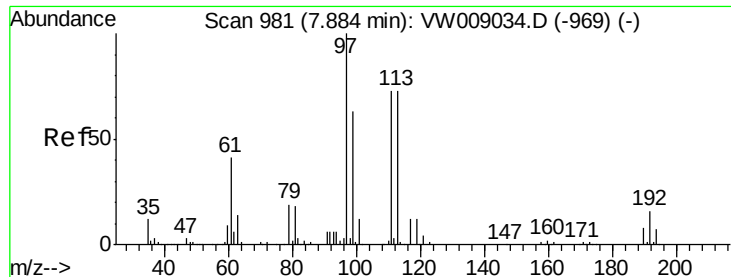
MMDadoda
 3/12/2019 1:16:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.2
88	15.3	0.0	31.2





#35

Dibromofluoromethane

Concen: 54.189 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

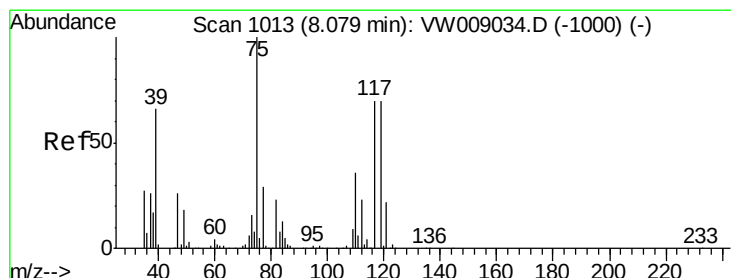
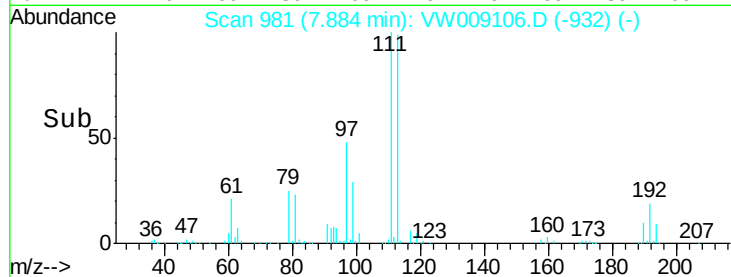
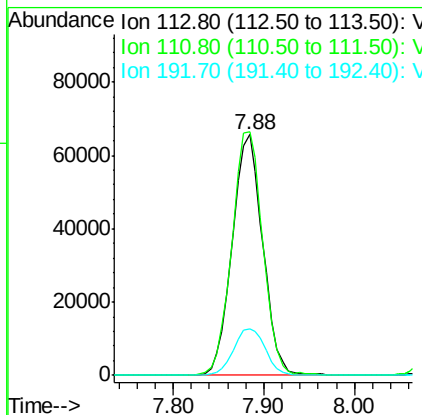
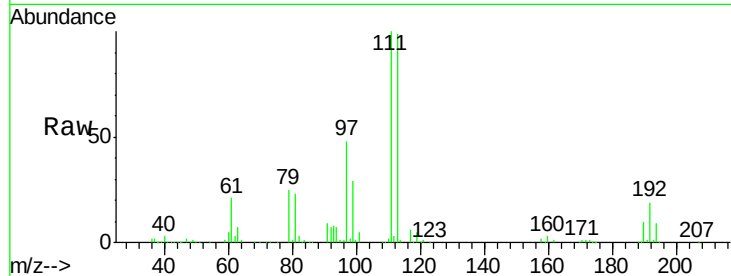
ClientSampleId :

VW0311SBSD02

Tot Ion:	113	Resp:	152910
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.0	121.4
192	20.4	17.1	25.7

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#36

1,1-Dichloropropene

Concen: 19.838 ug/l

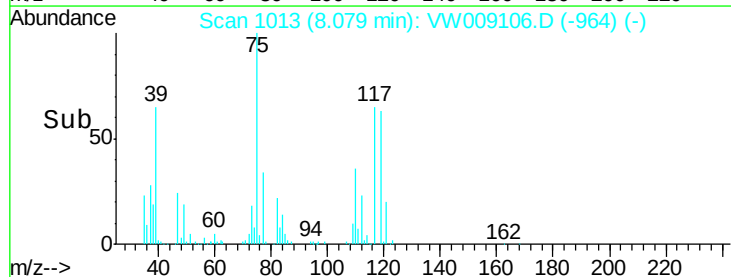
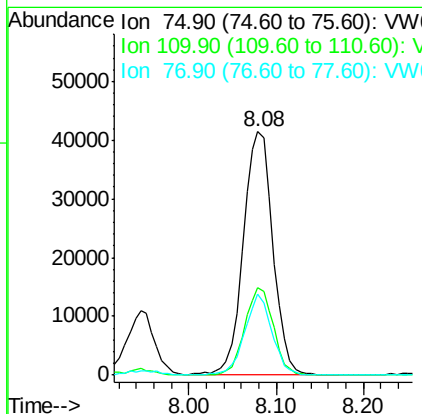
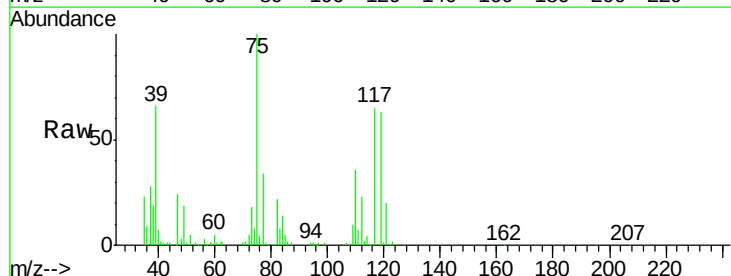
RT: 8.08 min Scan# 1013

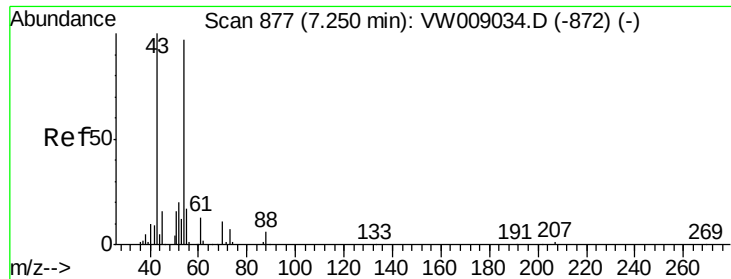
Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	75	Resp:	97213
Ion Ratio	Lower	Upper	
75	100		
110	34.3	17.6	52.9
77	30.7	25.1	37.7





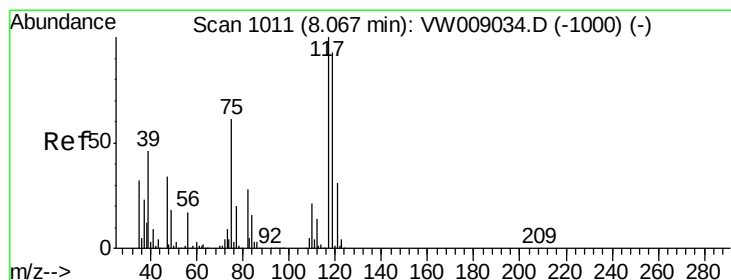
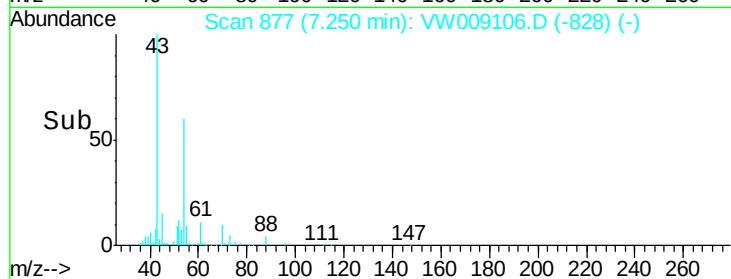
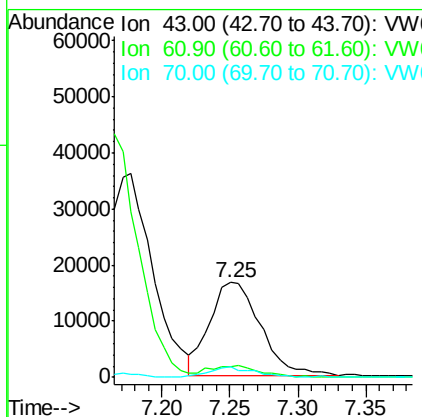
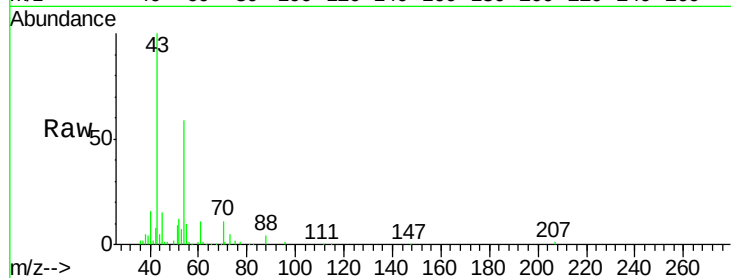
#37
Ethyl Acetate
Concen: 18.796 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.8	14.6
70	9.2	7.2	10.8

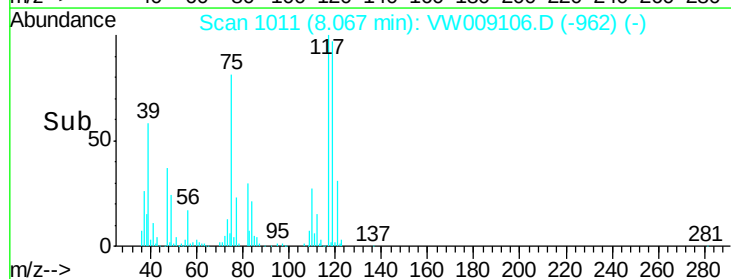
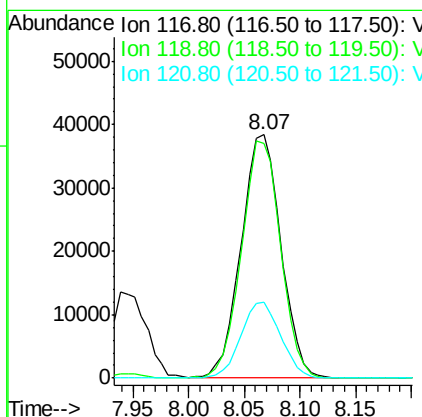
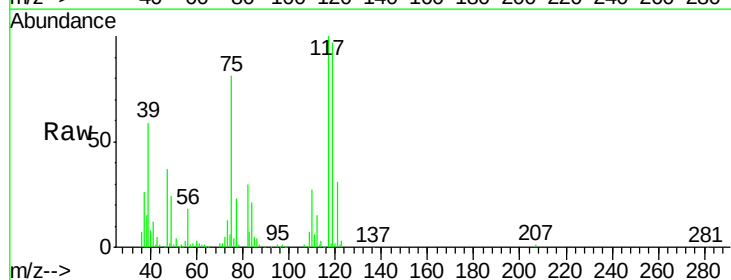
Manual Integrations
APPROVED

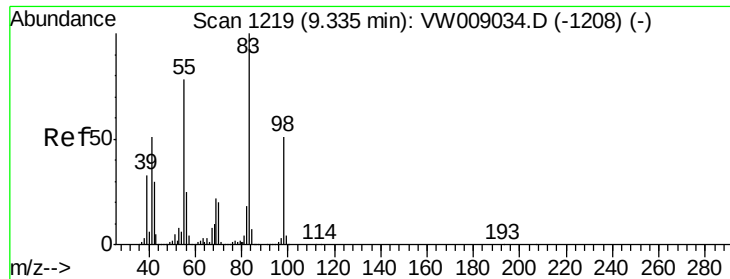
MMDadoda
3/12/2019 1:16:18 PM



#38
Carbon Tetrachloride
Concen: 18.921 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.6	112.0
121	31.0	24.7	37.1





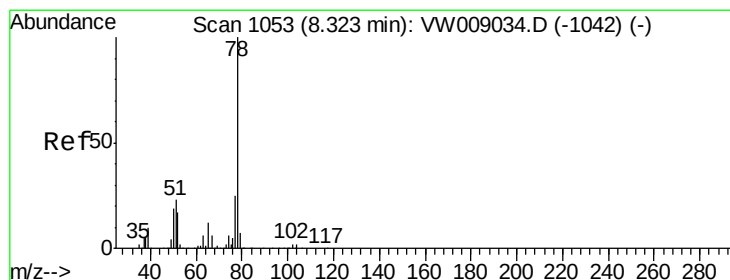
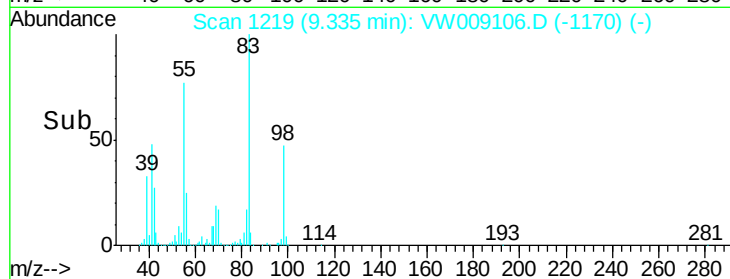
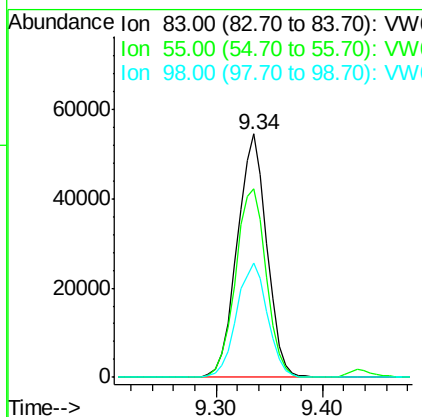
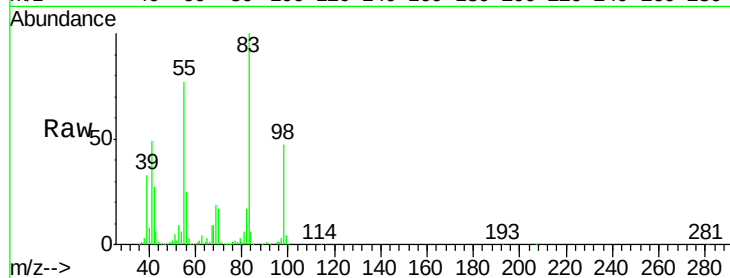
#39
Methylvlcyclohexane
Concen: 18.248 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	62.7	94.1
98	47.1	40.8	61.2

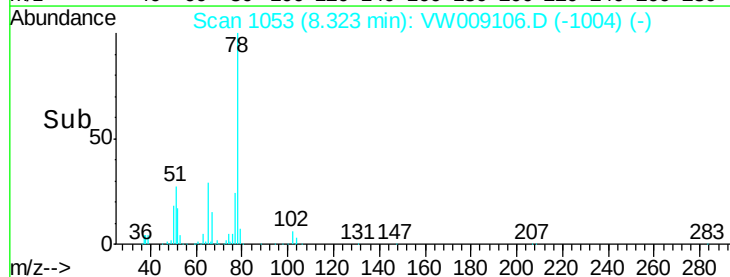
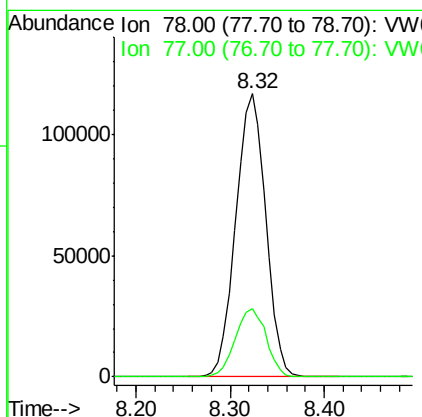
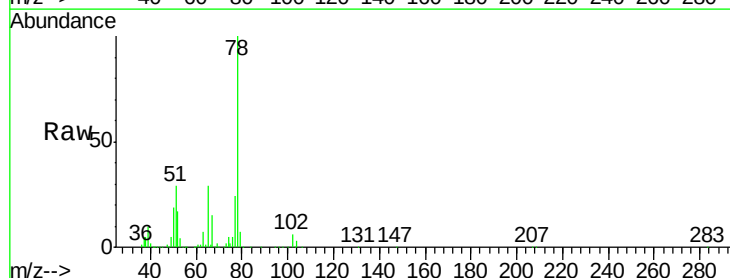
Manual Integrations
APPROVED

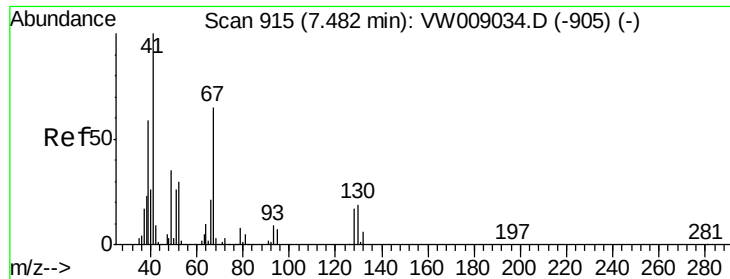
MMDadoda
3/12/2019 1:16:18 PM



#40
Benzene
Concen: 19.827 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	20.2	30.4





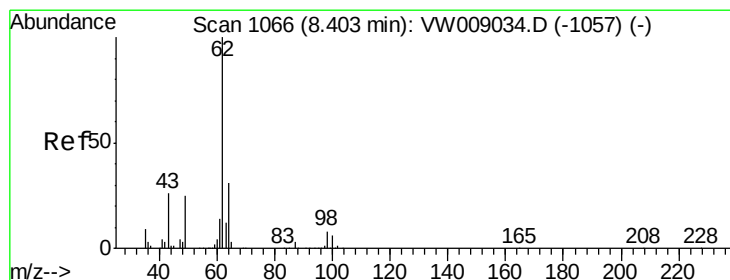
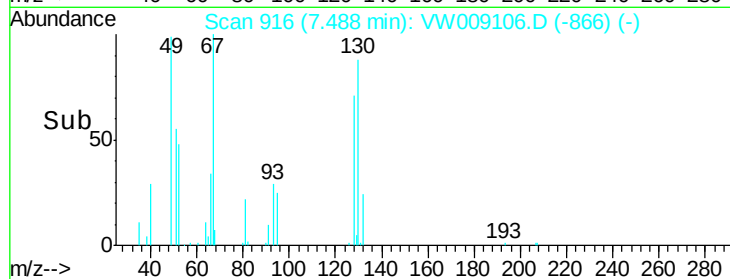
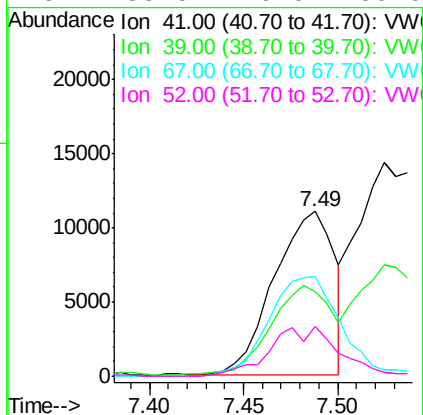
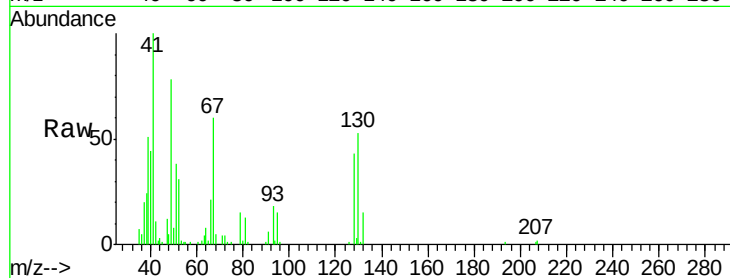
#41
Methacrylonitrile
Concen: 19.303 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion:	41	Resp:	24673
Ion	Ratio	Lower	Upper
41	100		
39	55.6	53.6	80.4
67	72.9	57.6	86.4
52	35.0	26.0	39.0

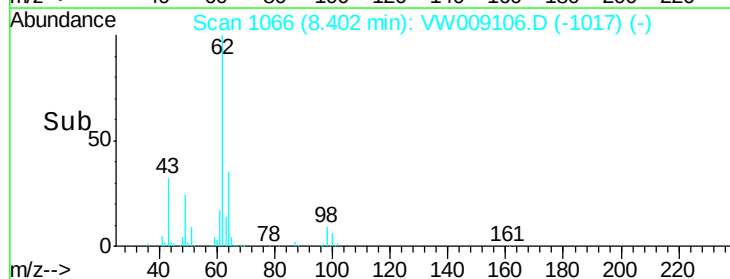
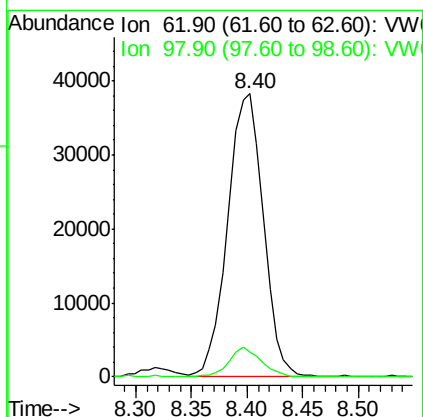
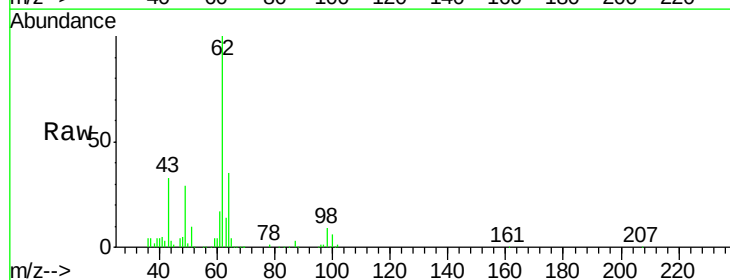
Manual Integrations
APPROVED

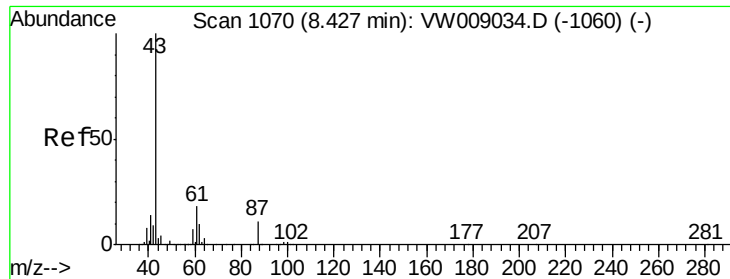
MMDadoda
3/12/2019 1:16:18 PM



#42
1,2-Dichloroethane
Concen: 20.212 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion:	62	Resp:	85359
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 20.189 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

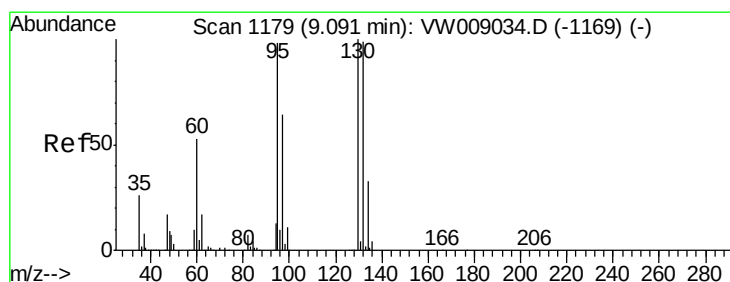
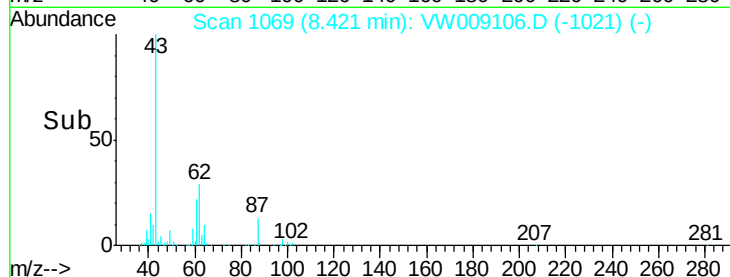
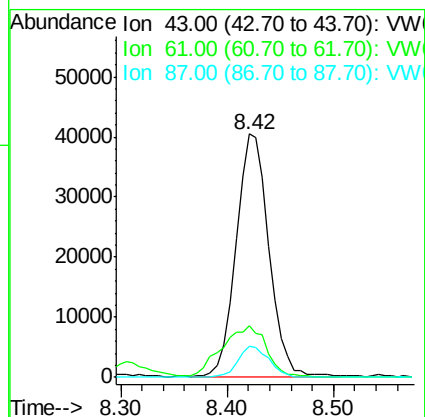
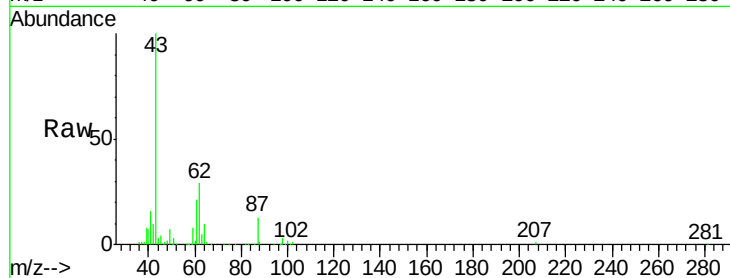
ClientSampleId :

VW0311SBSD02

Tot Ion:	43	Resp:	86549
Ion	Ratio	Lower	Upper
43	100		
61	29.0	22.8	34.2
87	12.2	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#44

Trichloroethene

Concen: 19.376 ug/l

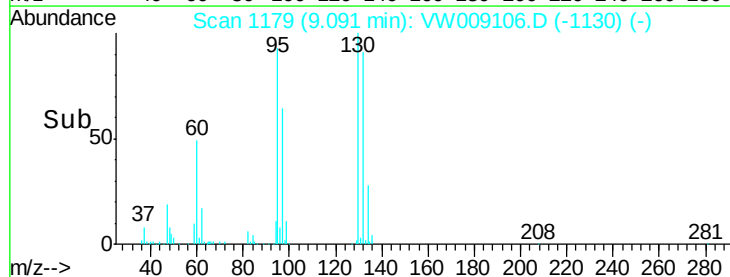
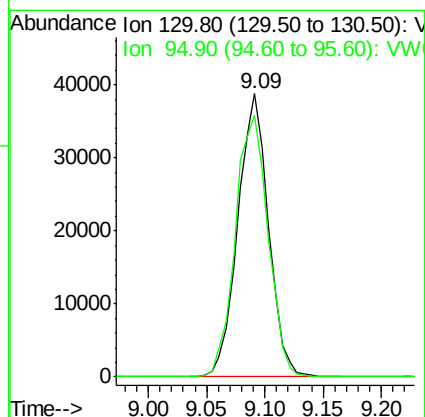
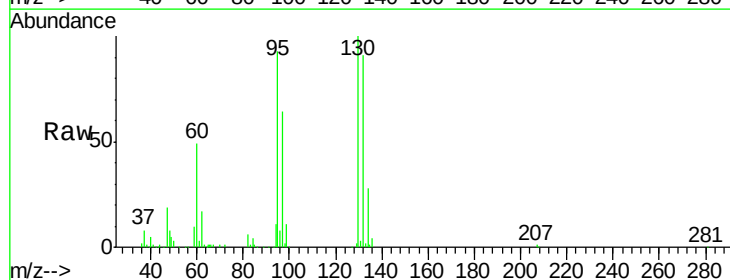
RT: 9.09 min Scan# 1179

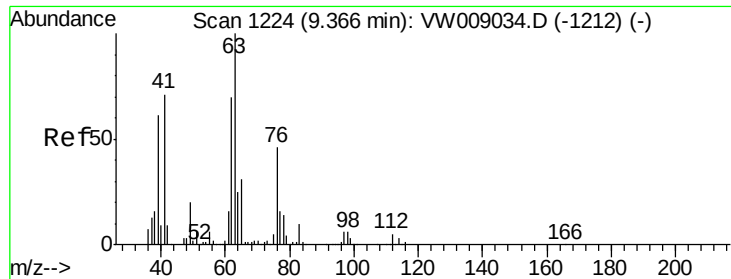
Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	130	Resp:	71039
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	197.0





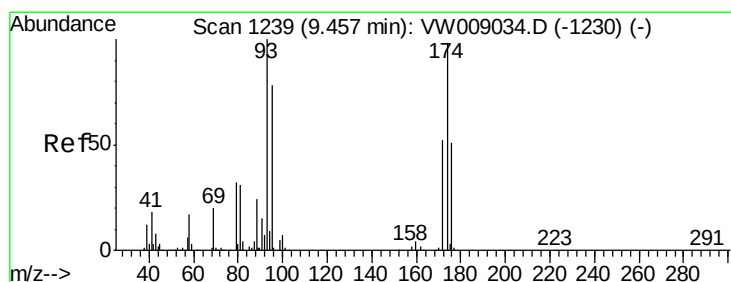
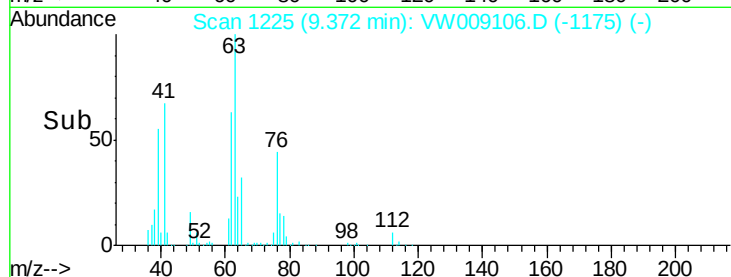
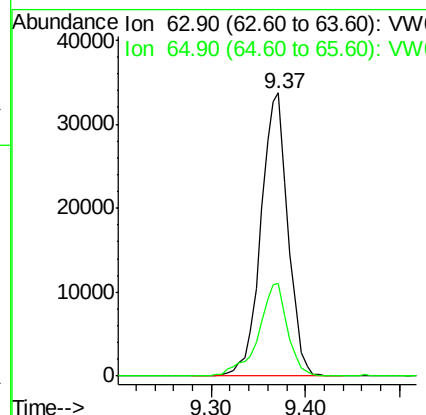
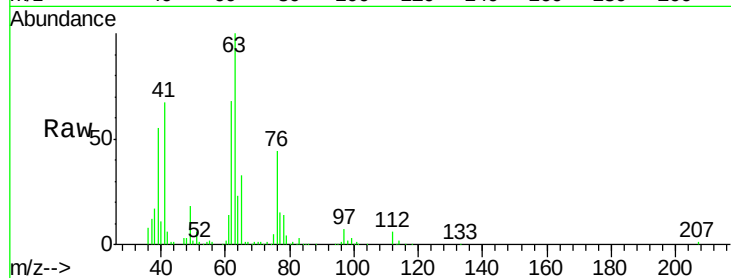
#45
 1,2-Dichloropropane
 Concen: 20.736 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	24.9	37.3

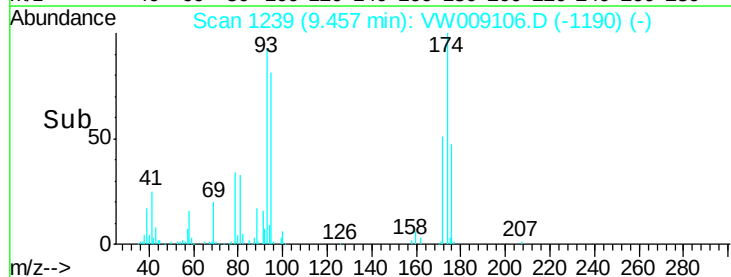
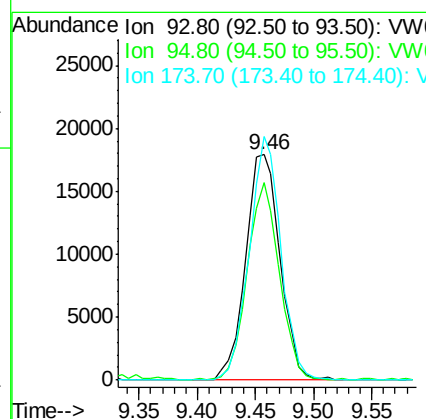
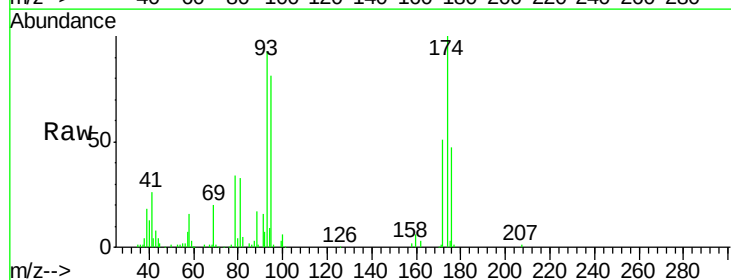
Manual Integrations
 APPROVED

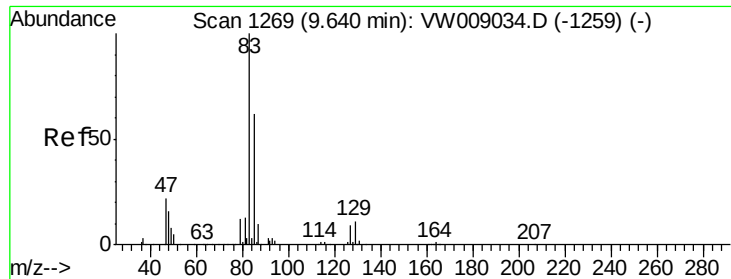
MMDadoda
 3/12/2019 1:16:18 PM



#46
 Dibromomethane
 Concen: 20.688 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	99.0	81.8	122.6





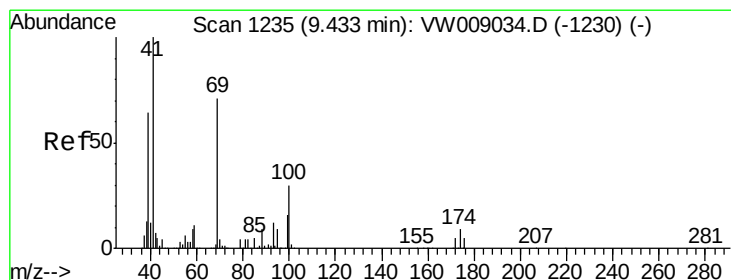
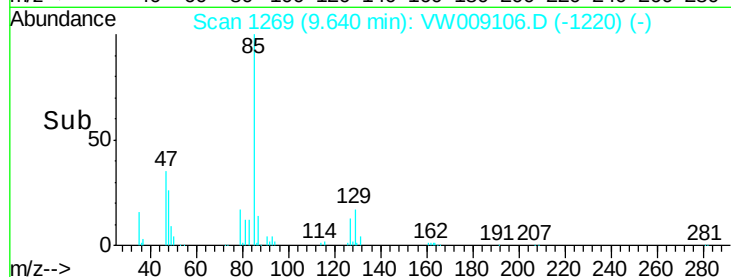
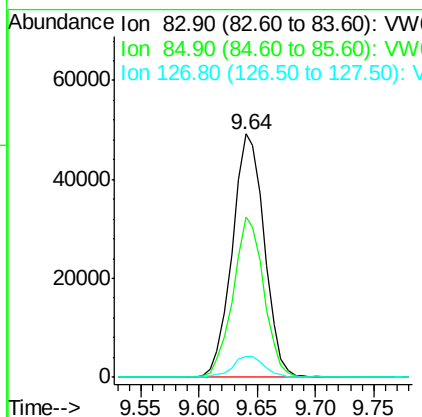
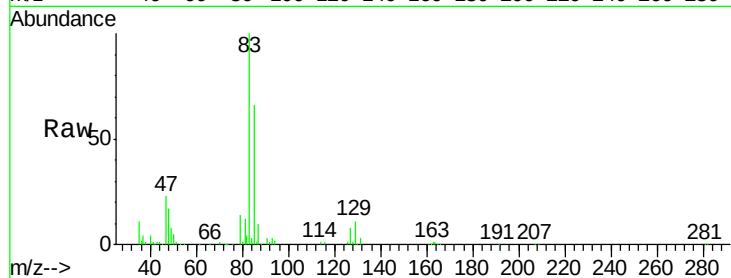
#47
Bromodichloromethane
Concen: 20.804 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.9	74.9
127	8.4	7.1	10.7

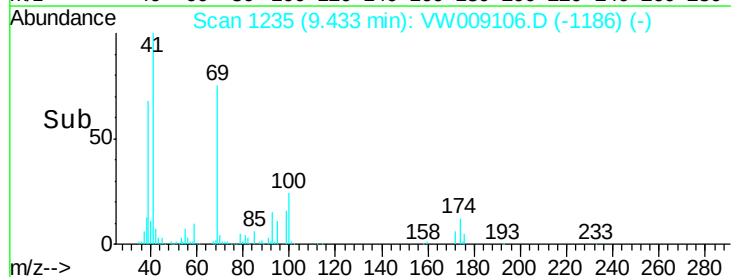
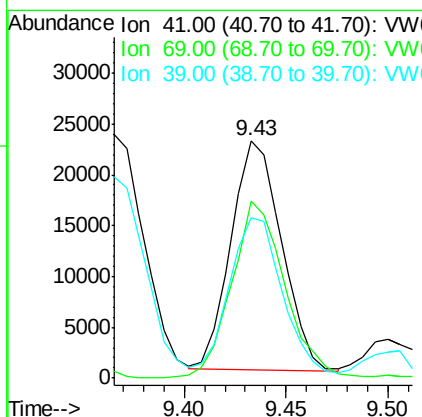
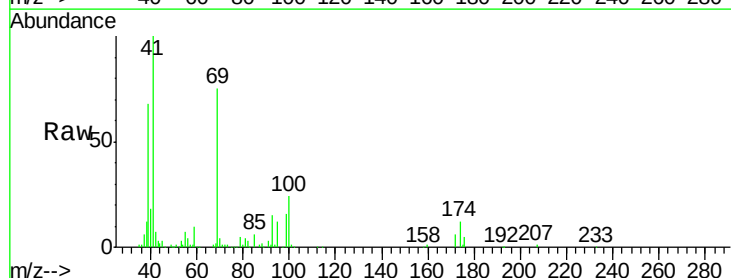
Manual Integrations
APPROVED

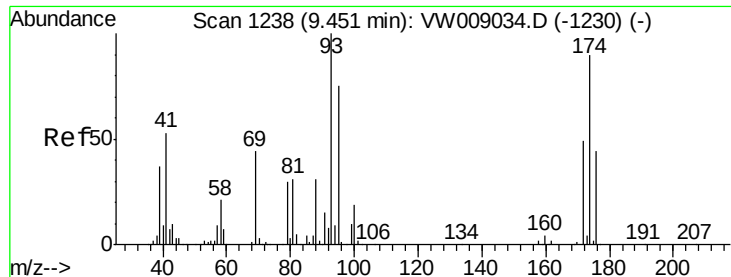
MMDadoda
3/12/2019 1:16:18 PM



#48
Methyl methacrylate
Concen: 19.410 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.3	59.1	88.7
39	74.0	48.9	73.3#





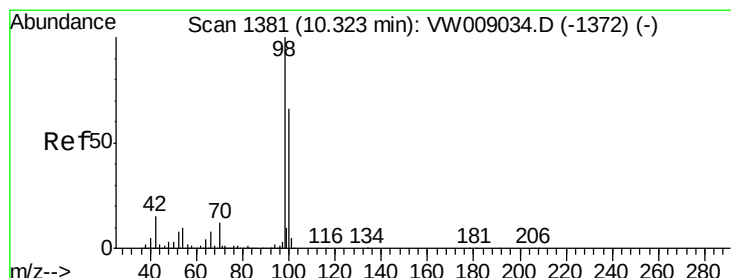
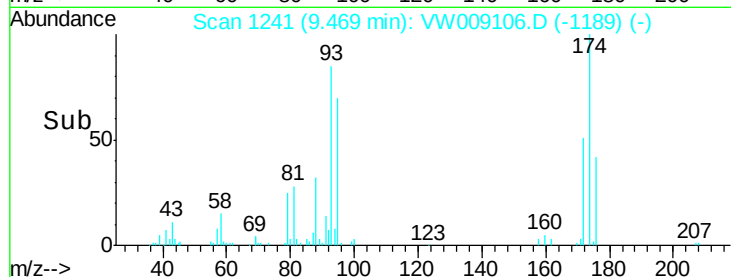
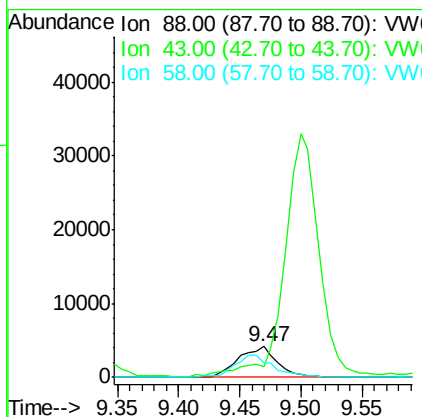
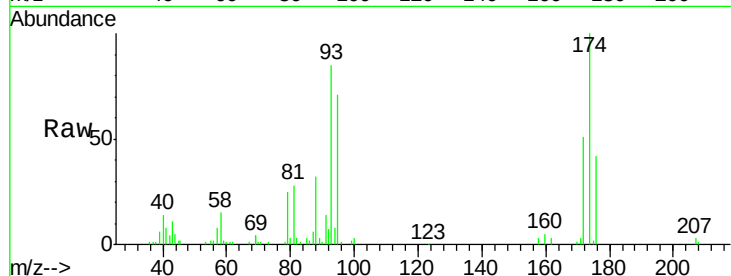
#49
1,4-Dioxane
Concen: 359.602 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	88	Resp	9214
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	75.6	59.2	88.8

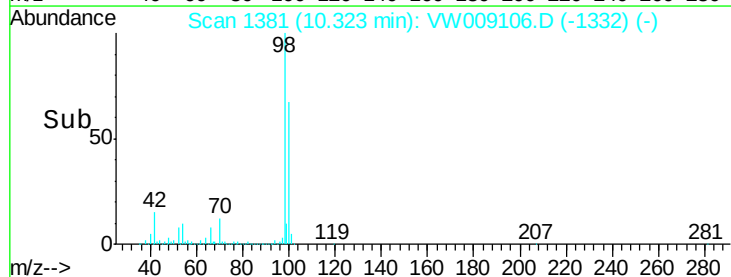
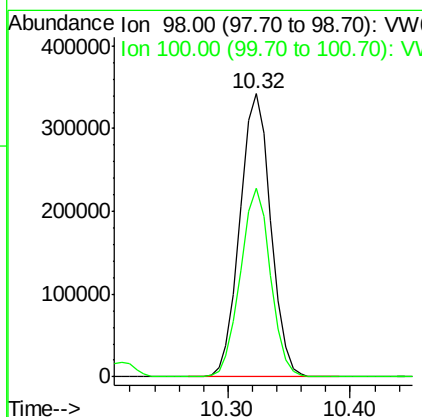
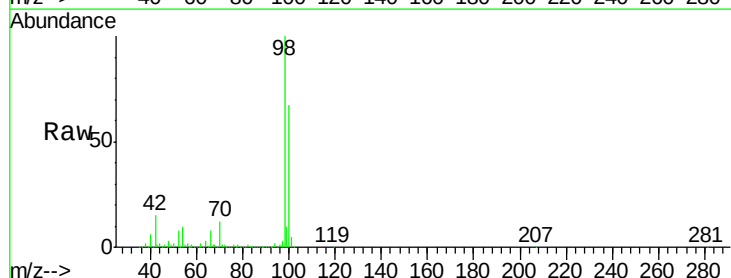
Manual Integrations
APPROVED

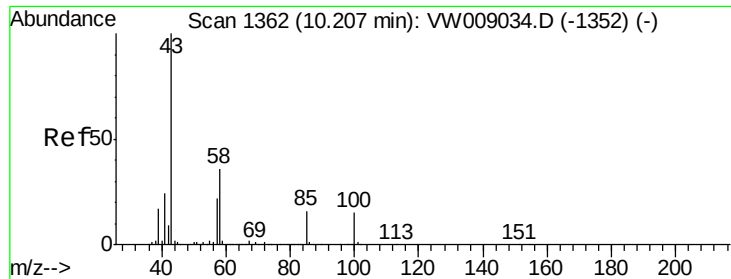
MMDadoda
3/12/2019 1:16:18 PM



#50
Toluene-d8
Concen: 51.685 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	98	Resp	599004
Ion Ratio	100	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 99.194 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

Tot Ion: 43 Resp: 215883

Ion Ratio Lower Upper

43 100

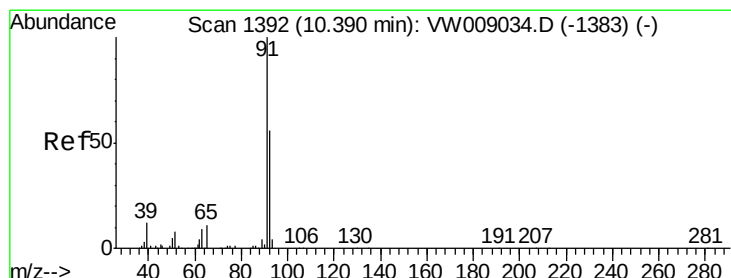
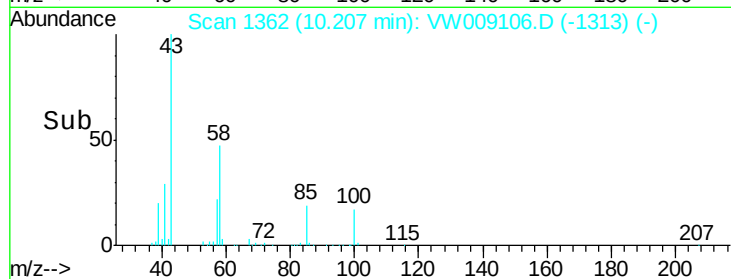
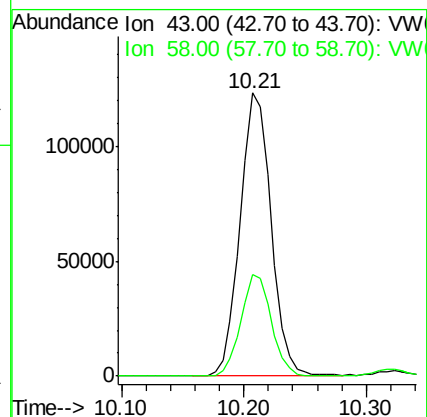
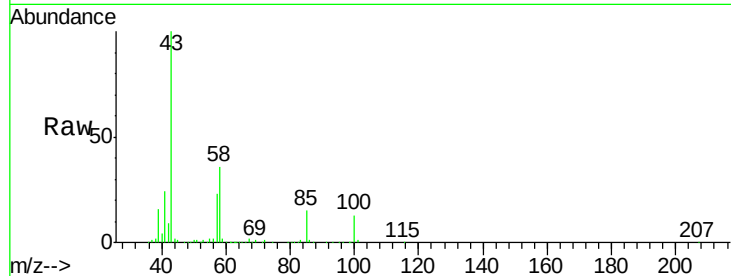
58 35.6 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

3/12/2019 1:16:18 PM



#52

Toluene

Concen: 18.985 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009106.D

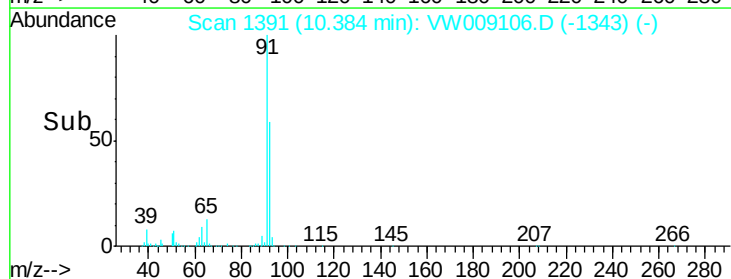
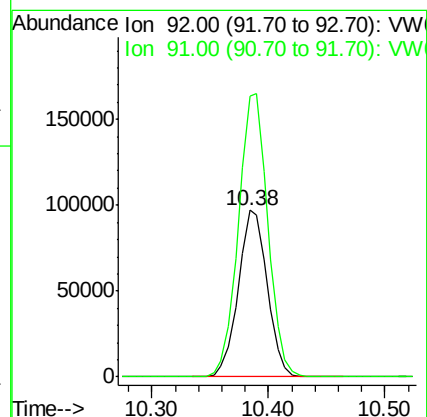
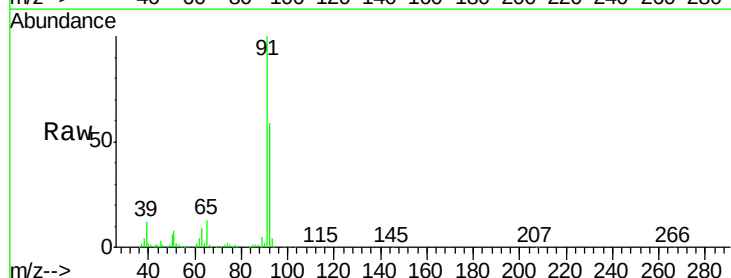
Acq: 12 Mar 2019 01:42

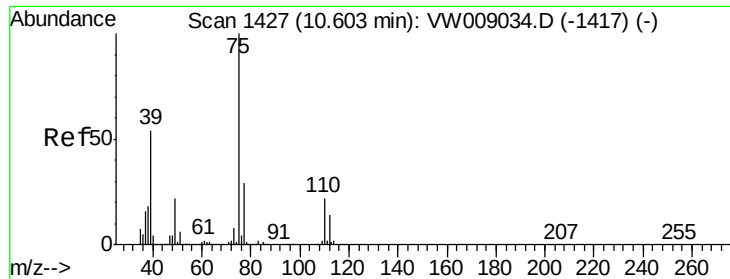
Tgt Ion: 92 Resp: 168426

Ion Ratio Lower Upper

92 100

91 171.9 139.9 209.9





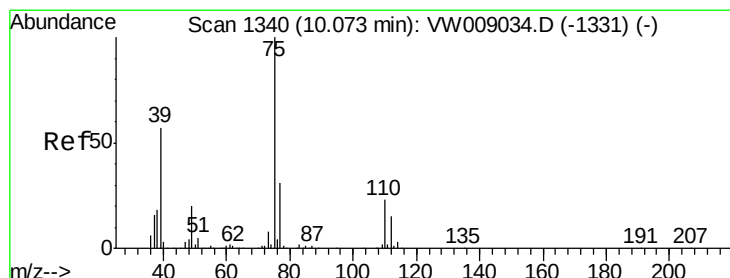
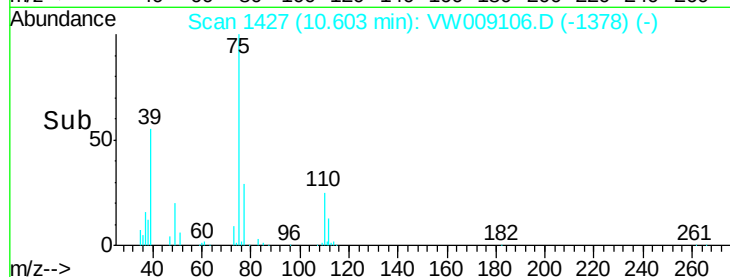
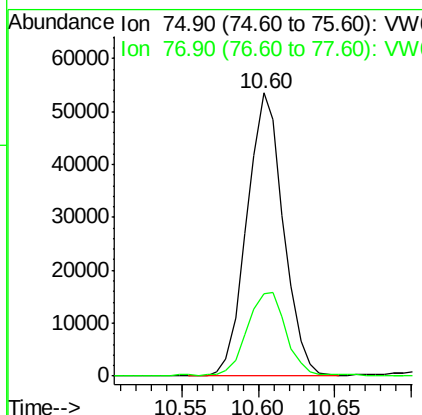
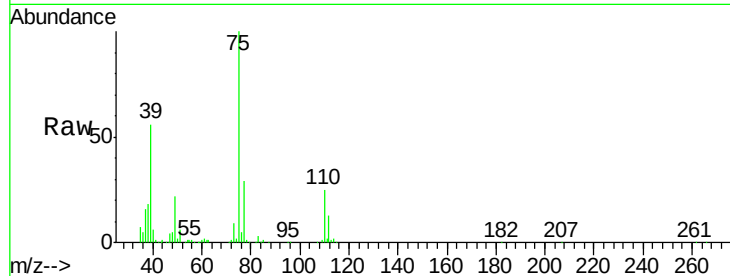
#53
t-1,3-Dichloropropene
Concen: 19.890 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.8	23.6	35.4

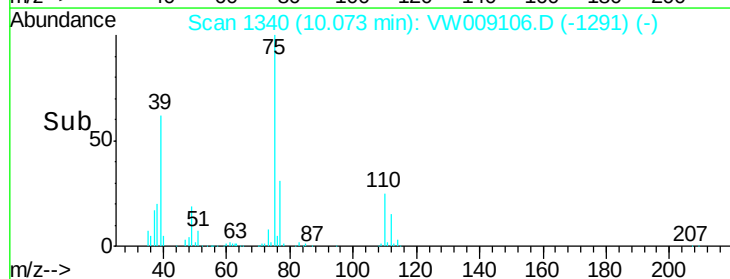
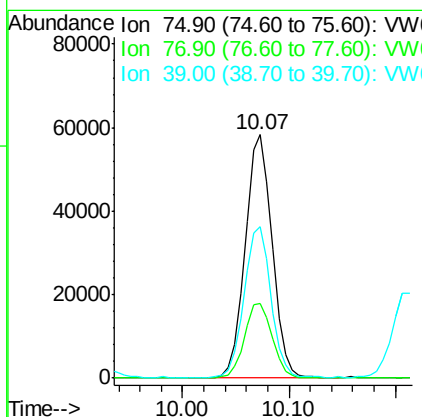
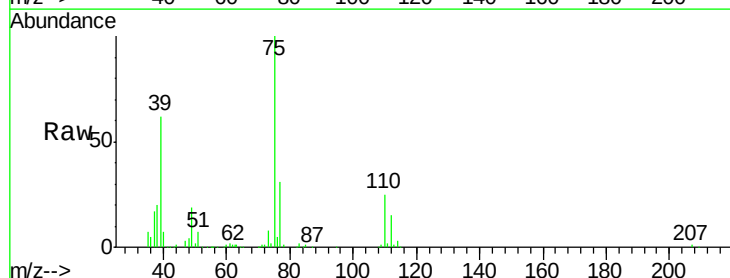
Manual Integrations
APPROVED

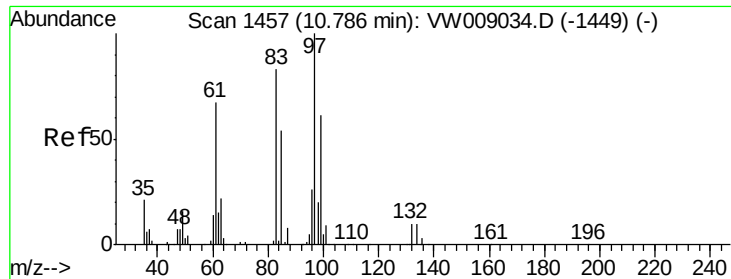
MMDadoda
3/12/2019 1:16:18 PM



#54
cis-1,3-Dichloropropene
Concen: 20.171 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	36.8
39	61.9	45.9	68.9





#55

1,1,2-Trichloroethane

Concen: 20.854 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

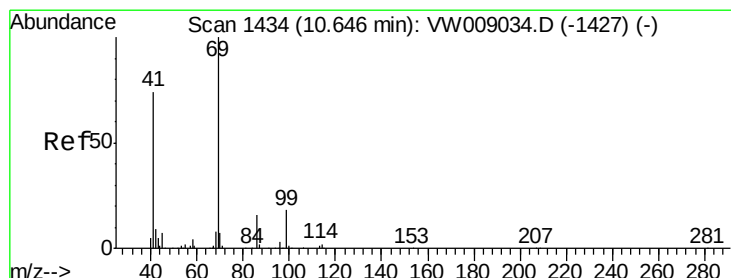
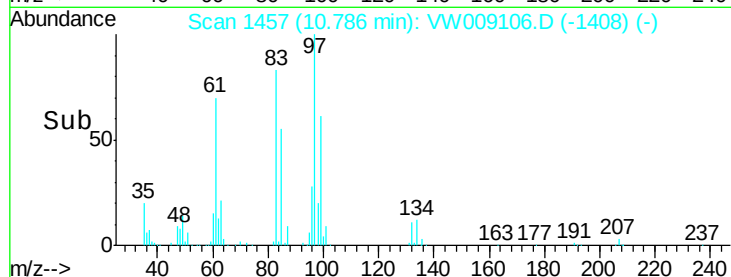
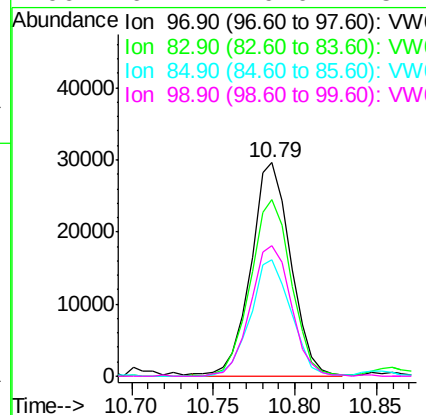
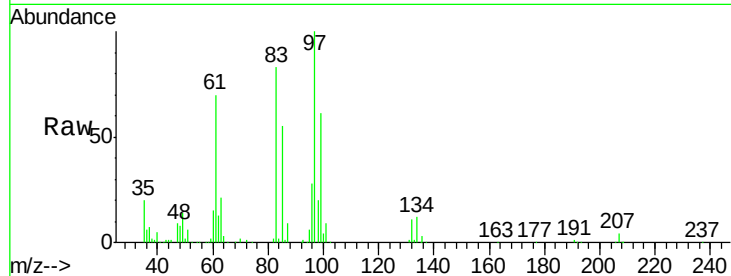
ClientSampleId :

VW0311SBSD02

Tot Ion:	97	Resp:	50576
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.2	99.2
85	55.0	43.6	65.4
99	61.4	49.0	73.4

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#56

Ethyl methacrylate

Concen: 19.680 ug/l

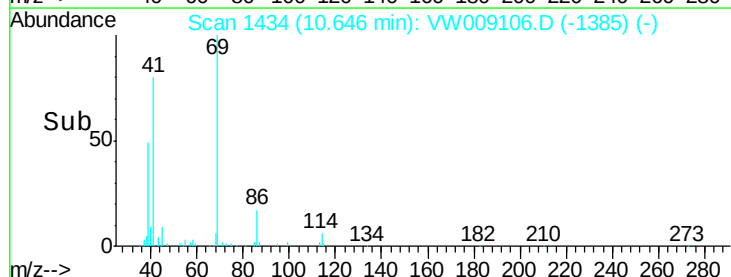
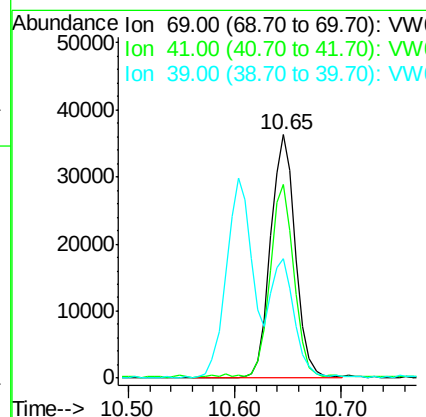
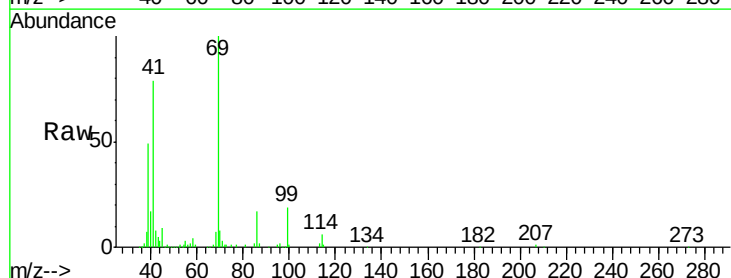
RT: 10.65 min Scan# 1434

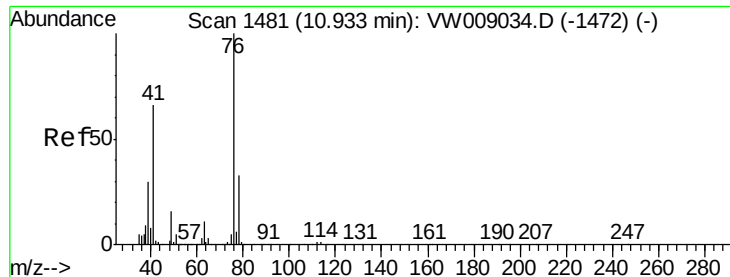
Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	69	Resp:	59234
Ion	Ratio	Lower	Upper
69	100		
41	75.8	59.4	89.2
39	47.2	38.5	57.7





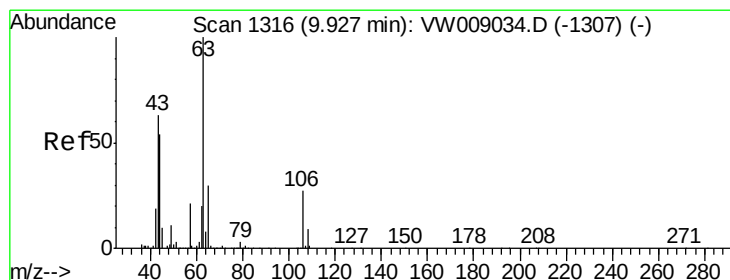
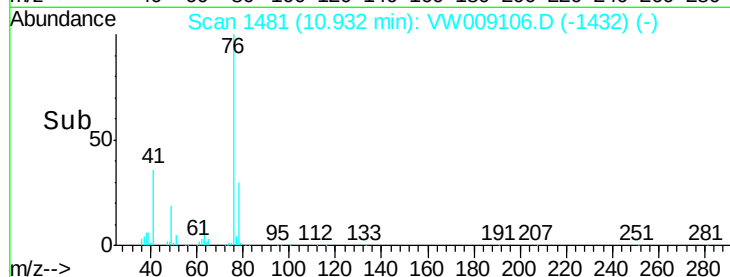
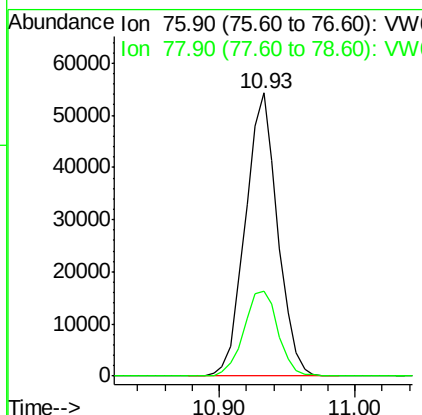
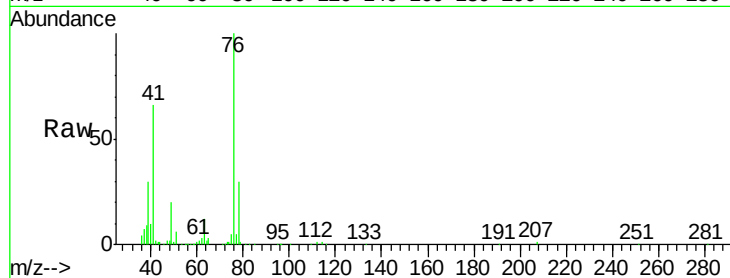
#57
 1,3-Dichloropropane
 Concen: 20.939 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

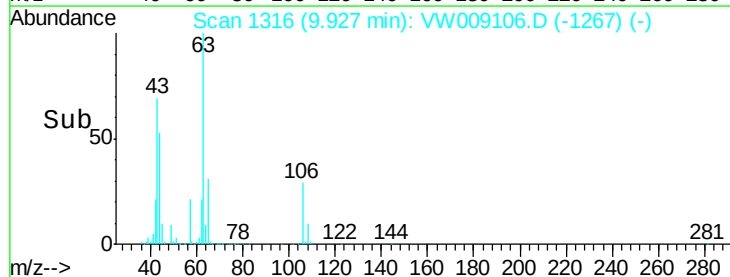
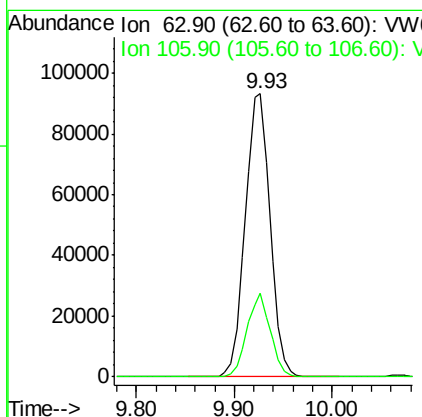
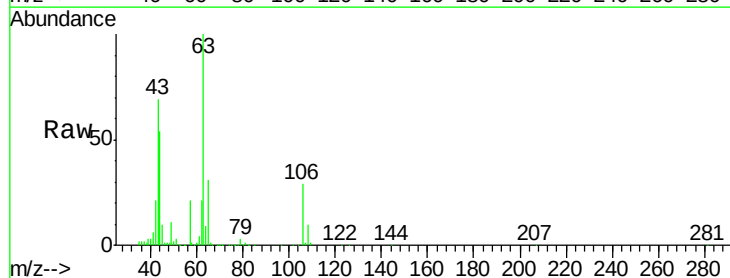
Manual Integrations
 APPROVED

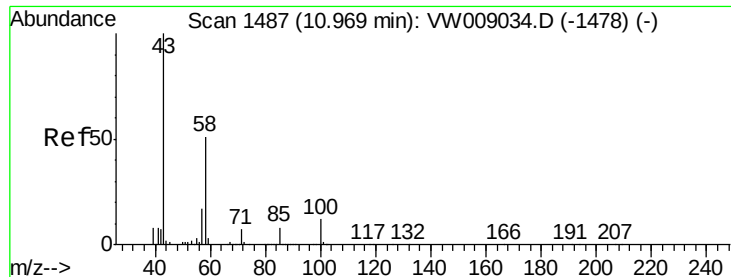
MMDadoda
 3/12/2019 1:16:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.085 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.0	34.6





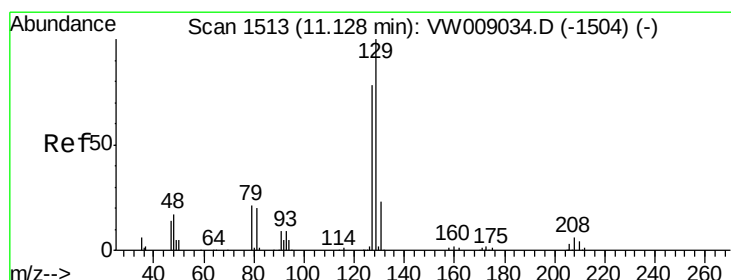
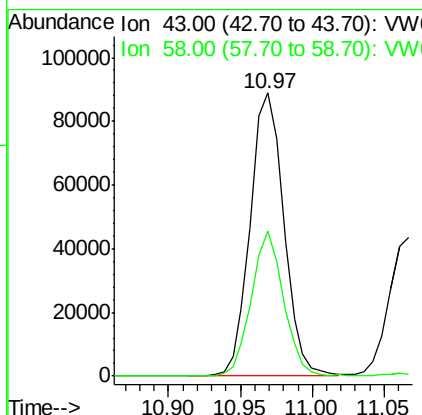
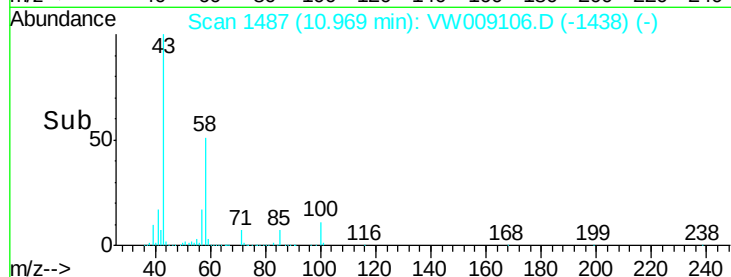
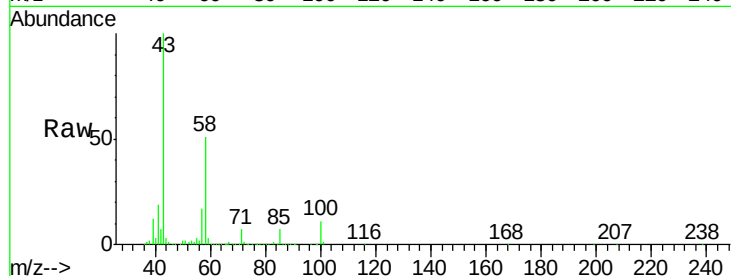
#59
2-Hexanone
Concen: 93.673 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion: 43 Resp: 143337
Ion Ratio Lower Upper
43 100
58 49.3 25.3 75.9

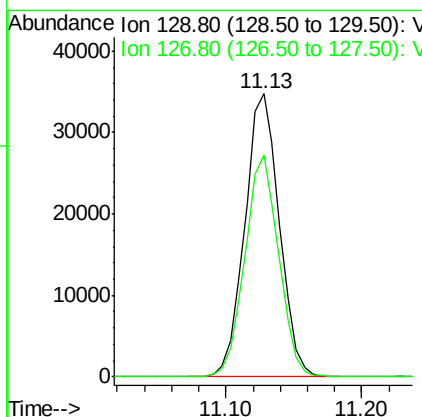
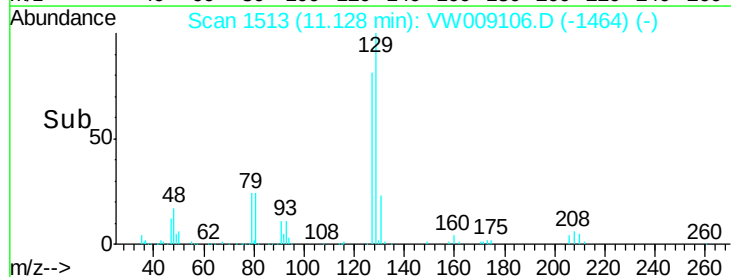
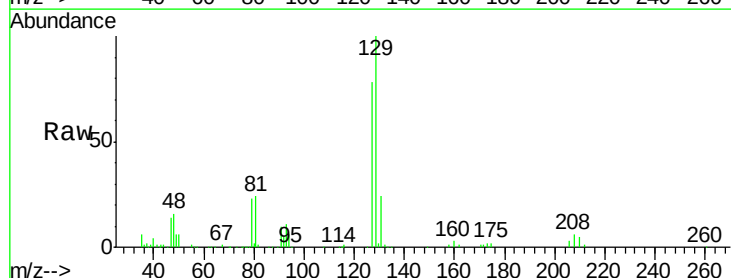
Manual Integrations
APPROVED

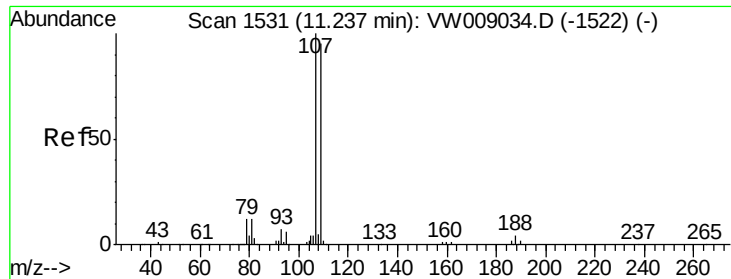
MMDadoda
3/12/2019 1:16:18 PM



#60
Dibromochloromethane
Concen: 20.559 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion: 129 Resp: 61703
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.1





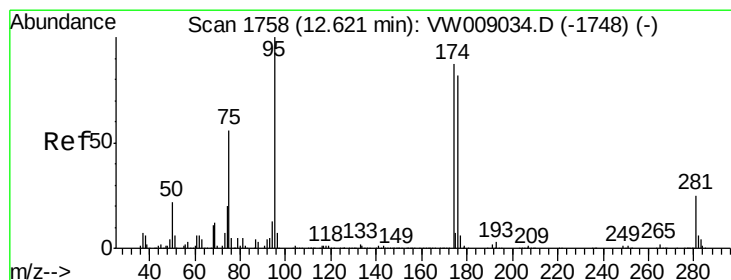
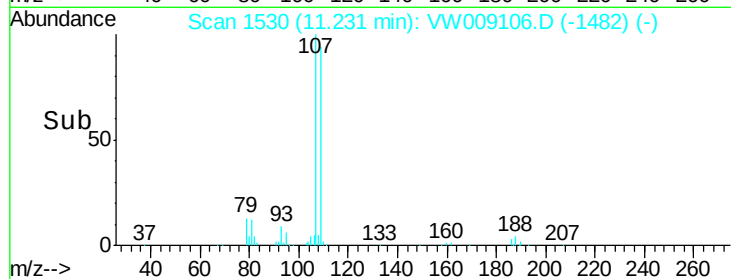
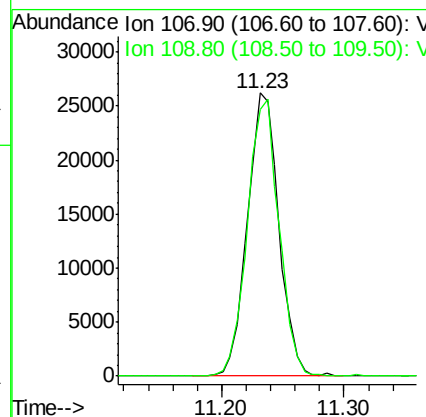
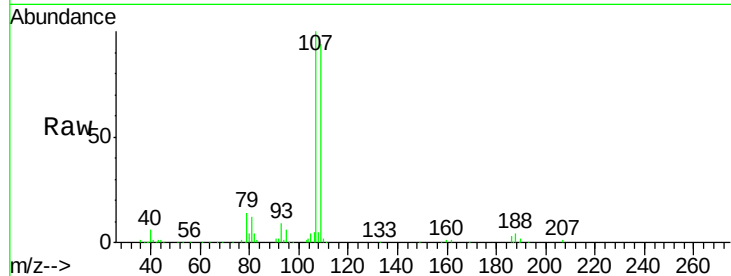
#61
 1,2-Dibromoethane
 Concen: 19.729 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tot Ion: 107 Resp: 46905
 Ion Ratio Lower Upper
 107 100
 109 98.1 74.7 112.1

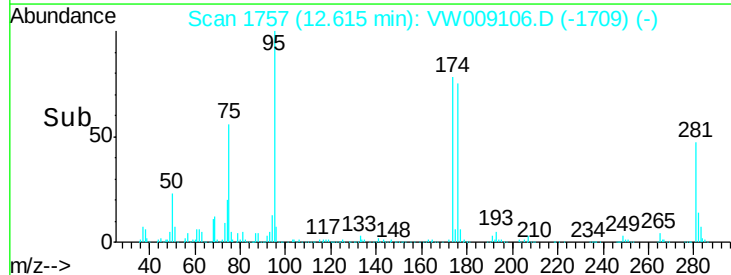
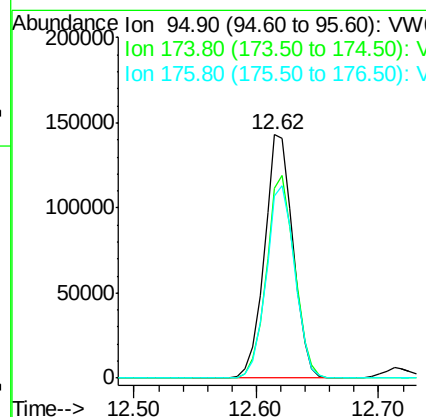
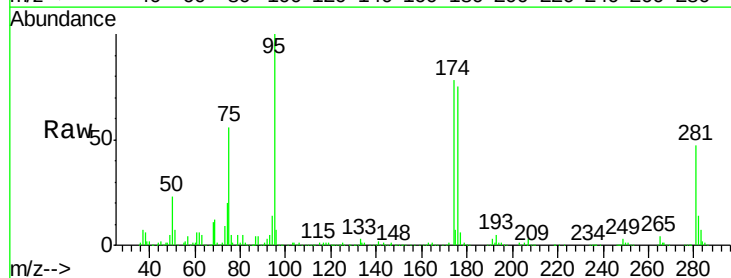
Manual Integrations
 APPROVED

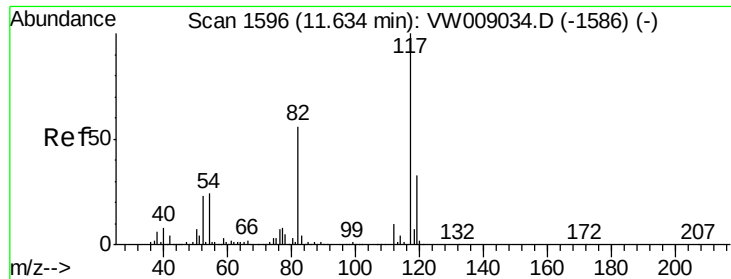
MMDadoda
 3/12/2019 1:16:18 PM



#62
 4-Bromofluorobenzene
 Concen: 50.916 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion: 95 Resp: 232293
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 167.0
 176 79.1 0.0 159.4





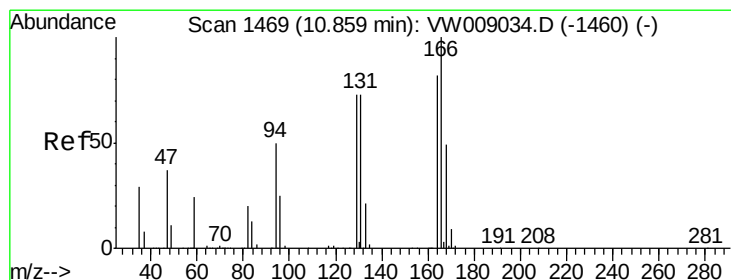
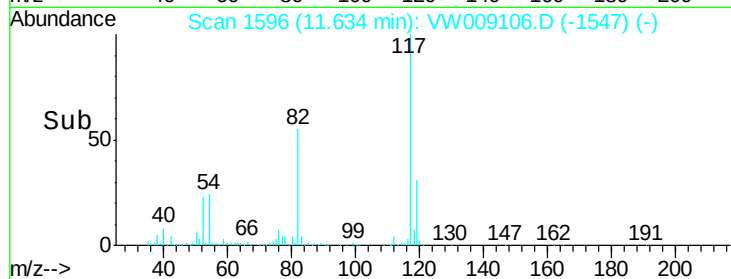
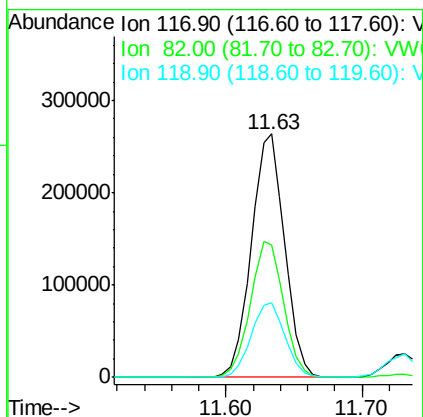
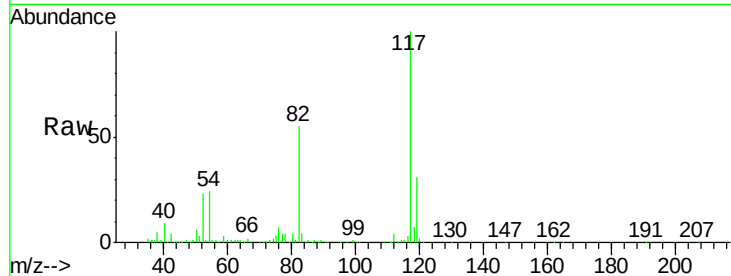
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.0	67.6
119	30.9	26.6	39.8

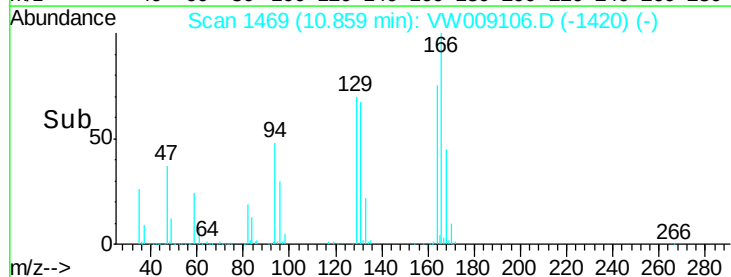
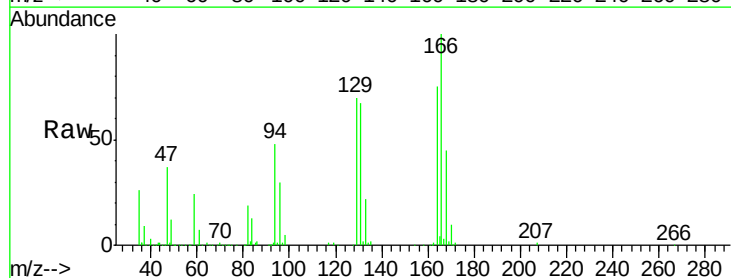
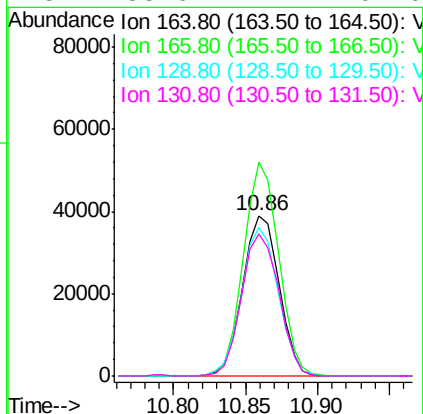
Manual Integrations
APPROVED

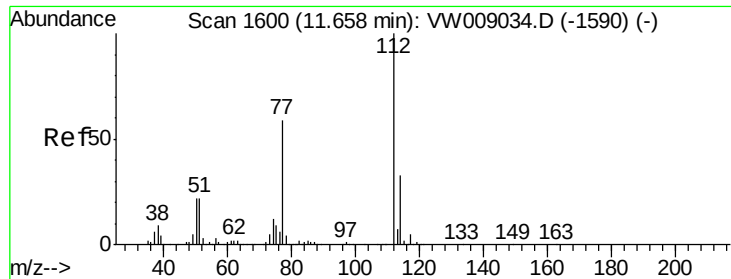
MMDadoda
3/12/2019 1:16:18 PM



#64
Tetrachloroethene
Concen: 21.020 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	97.8	146.6
129	92.7	71.6	107.4
131	88.6	71.4	107.0





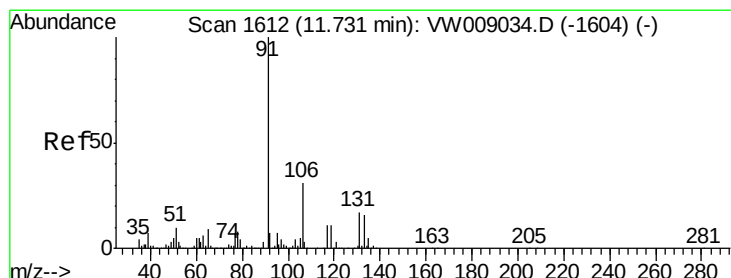
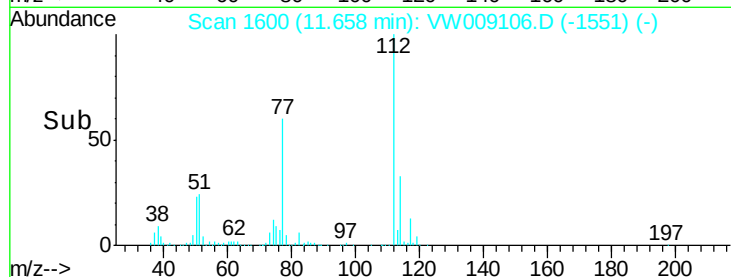
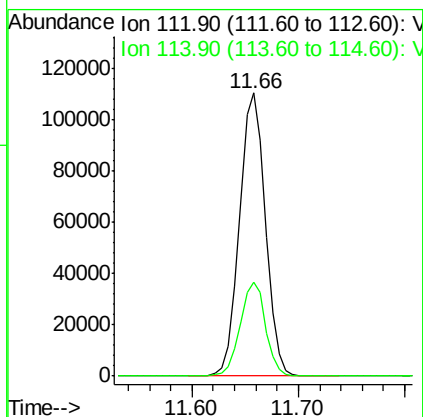
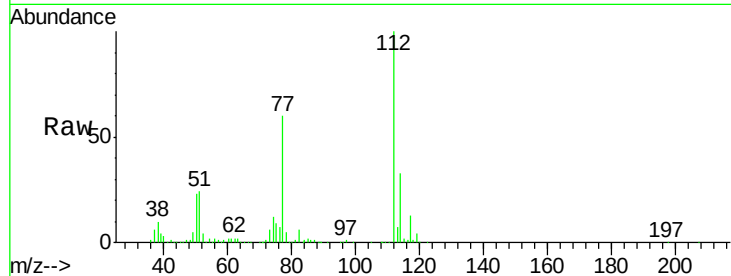
#65
Chlorobenzene
Concen: 19.186 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion:112 Resp: 188715
Ion Ratio Lower Upper
112 100
114 33.1 26.6 40.0

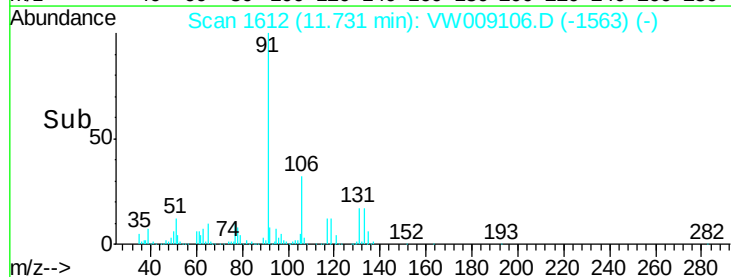
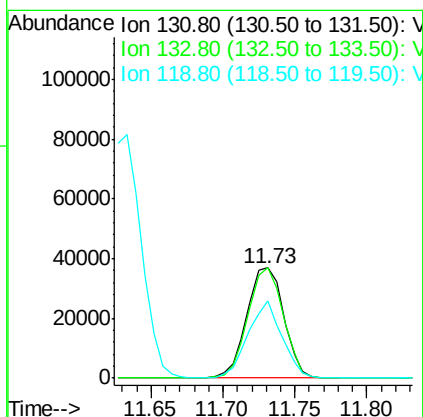
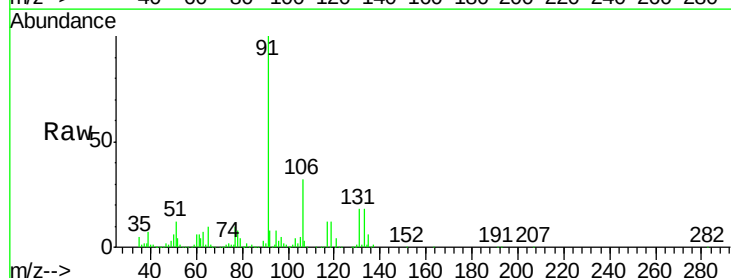
Manual Integrations
APPROVED

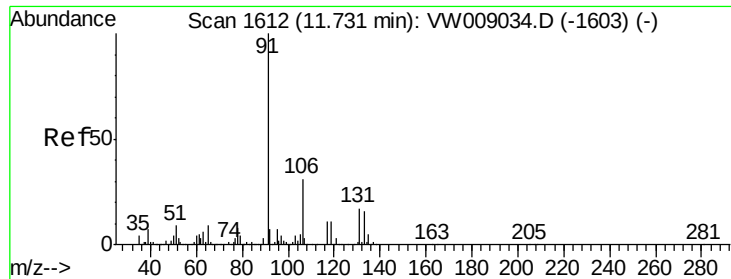
MMDadoda
3/12/2019 1:16:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.993 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion:131 Resp: 65662
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.8
119 64.0 31.3 93.8





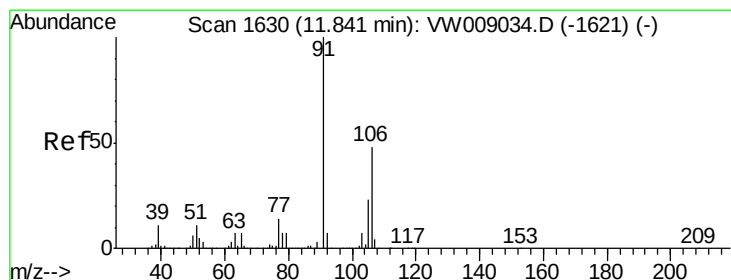
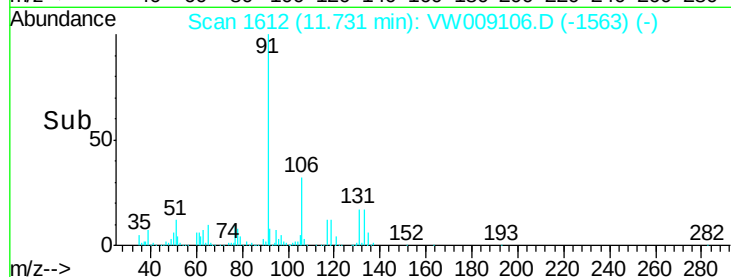
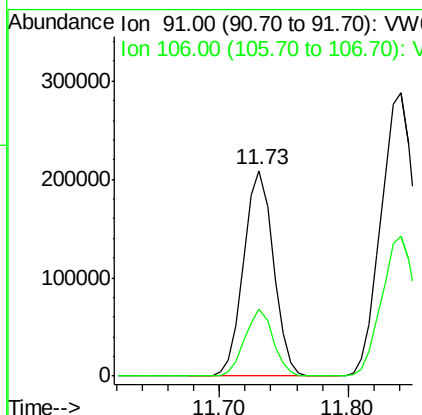
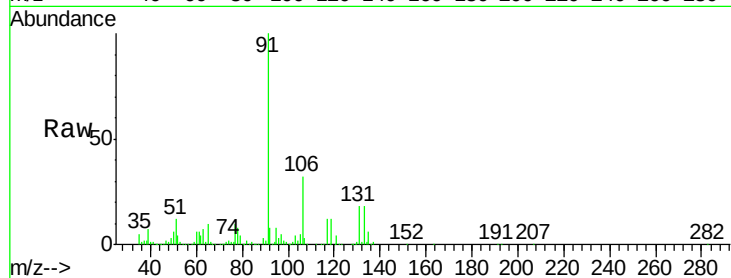
#67
Ethyl Benzene
Concen: 18.796 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.0	37.4

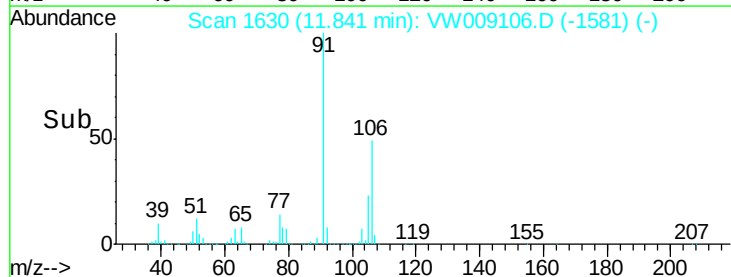
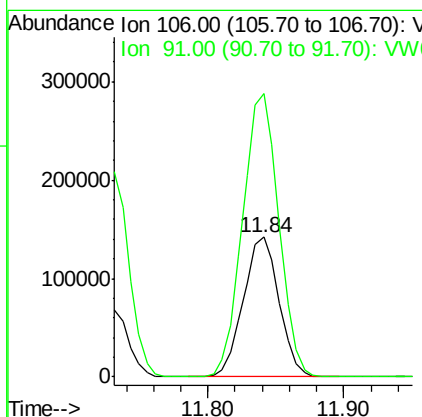
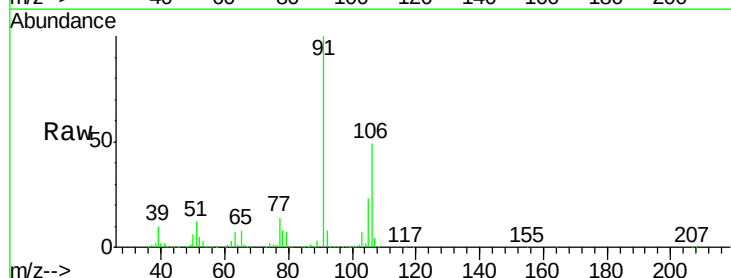
Manual Integrations
APPROVED

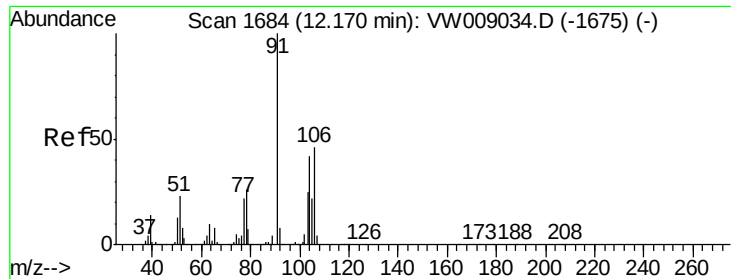
MMDadoda
3/12/2019 1:16:18 PM



#68
m/p-Xylenes
Concen: 37.322 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.8	163.2	244.8





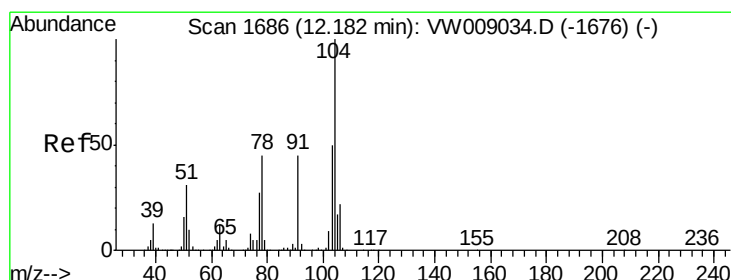
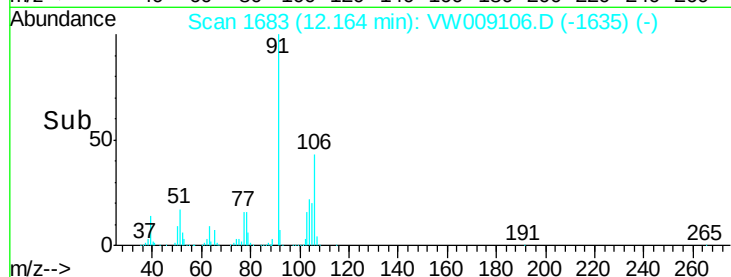
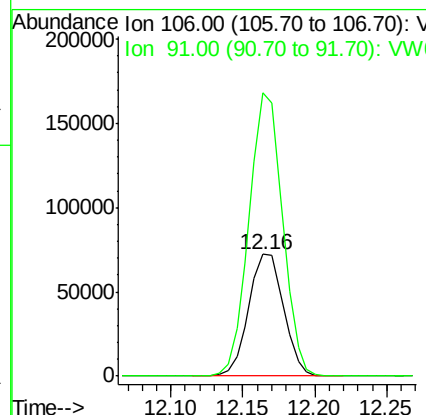
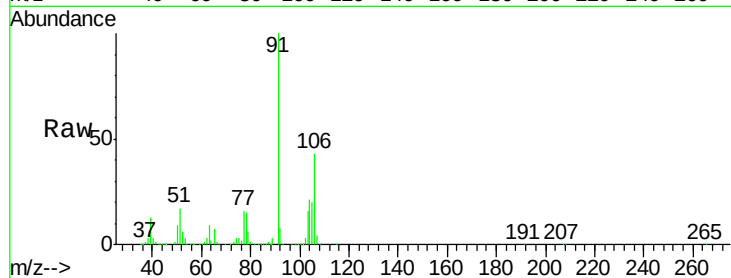
#69
o-Xylene
Concen: 18.638 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	121635		
91	91	223.1	108.6	325.6	

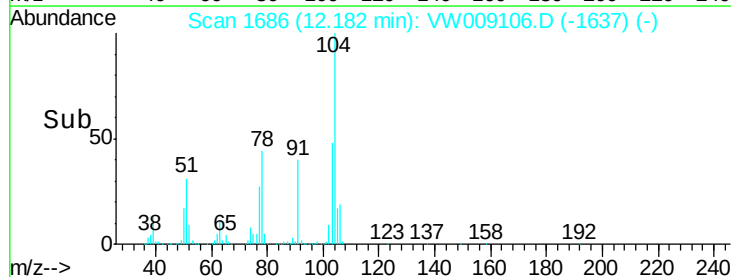
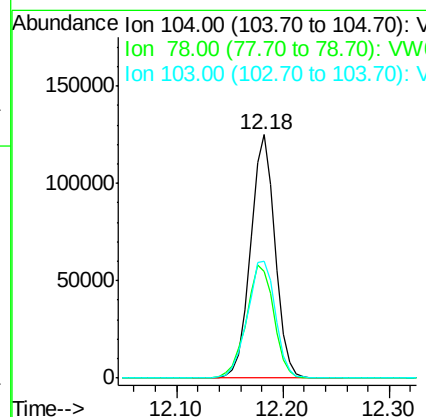
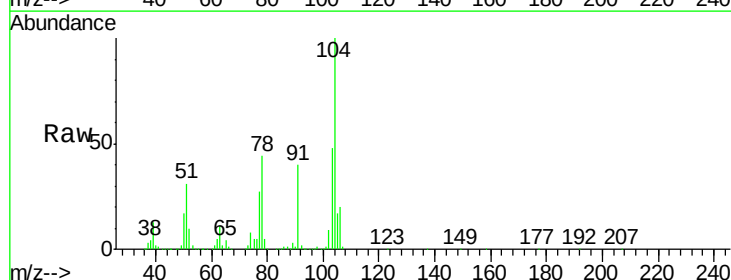
Manual Integrations
APPROVED

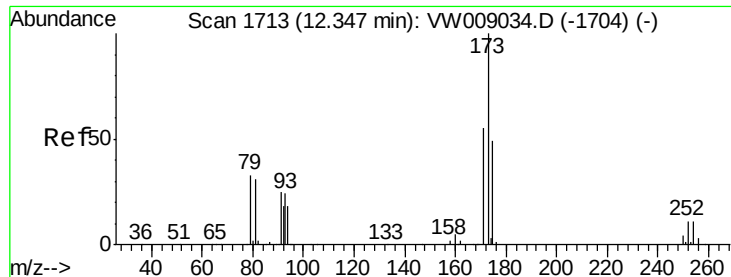
MMDadoda
3/12/2019 1:16:18 PM



#70
Styrene
Concen: 19.109 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	201767		
78	78	52.4	42.1	63.1	
103	103	55.4	43.9	65.9	





#71

Bromoform

Concen: 19.672 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

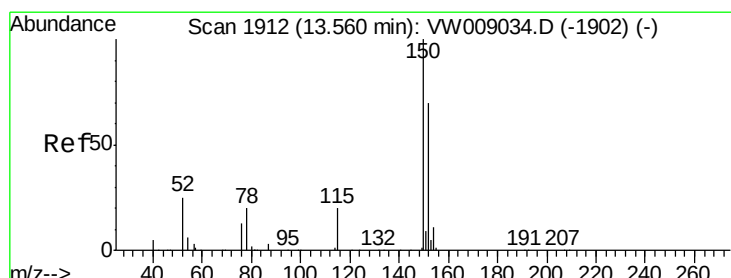
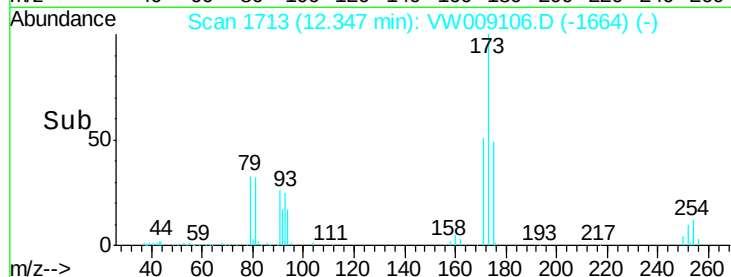
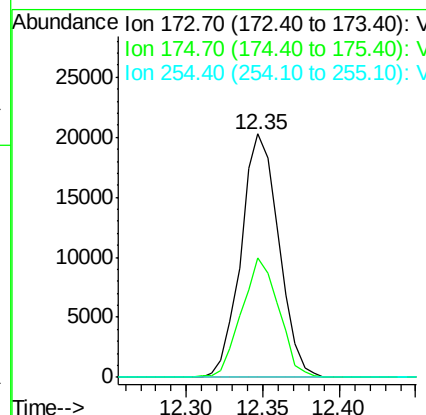
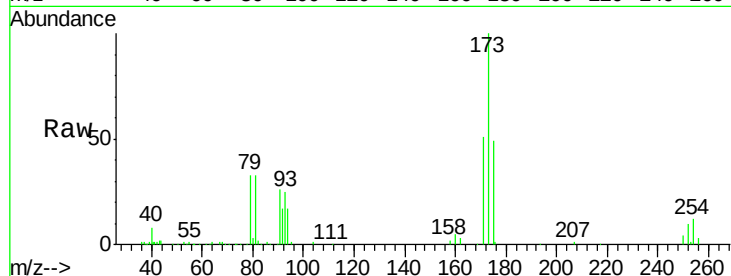
ClientSampleId :

VW0311SBSD02

Tot Ion:	173	Resp:	34690
Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

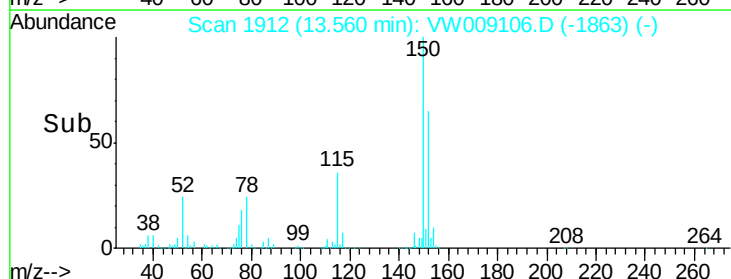
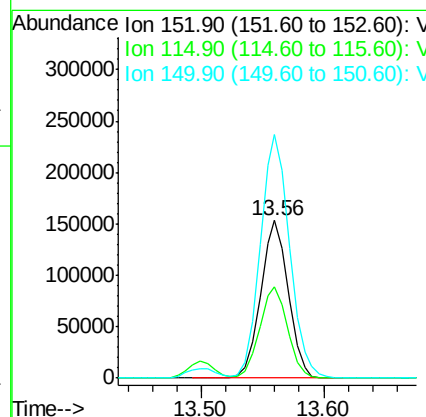
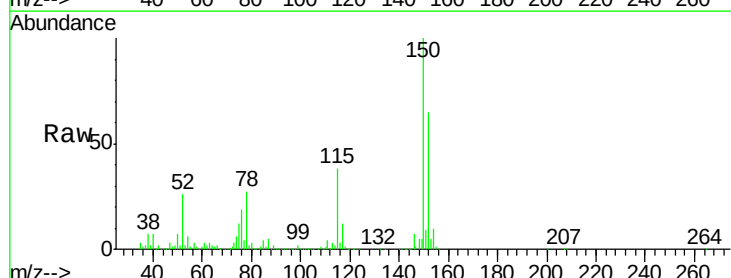
RT: 13.56 min Scan# 1912

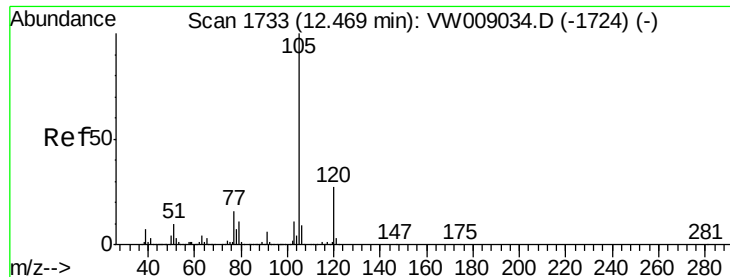
Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	152	Resp:	240872
Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.9	86.7
150	163.4	0.0	349.2





#73

Isopropylbenzene

Concen: 19.479 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBSD02

Tot Ion: 105 Resp: 335996

Ion Ratio Lower Upper

105 100

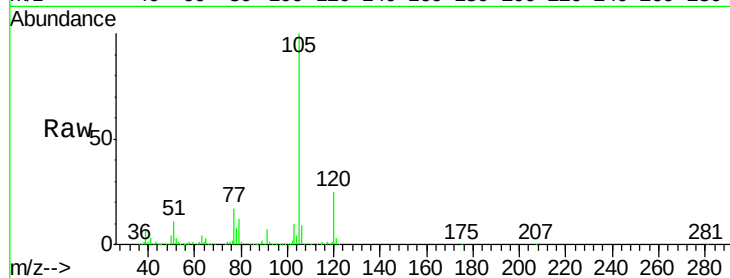
120 26.0 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

3/12/2019 1:16:18 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

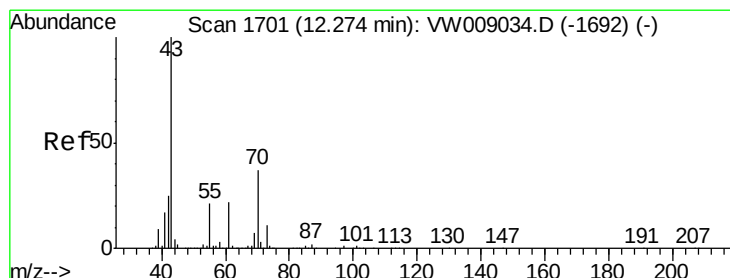
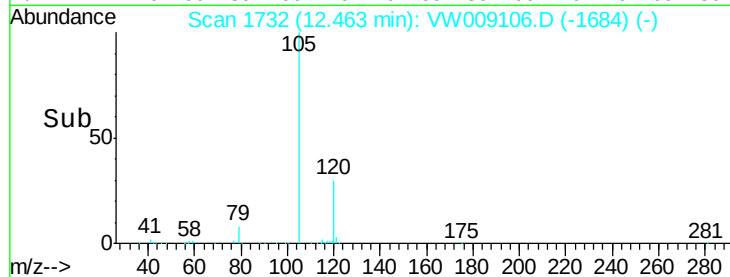
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.605 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion: 43 Resp: 75973

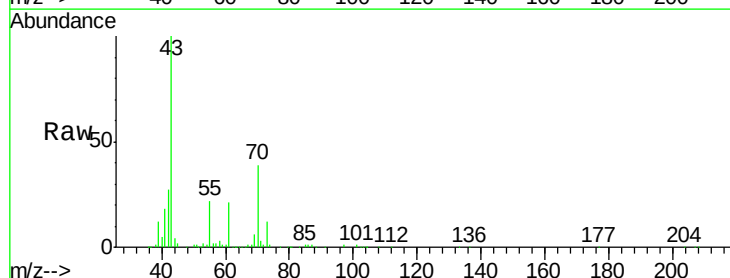
Ion Ratio Lower Upper

43 100

70 38.6 30.8 46.2

55 23.4 17.8 26.8

61 20.8 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

20000

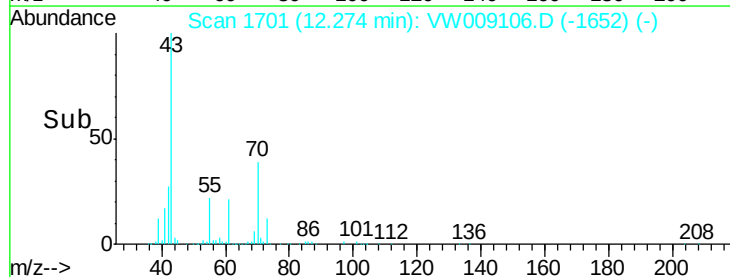
0

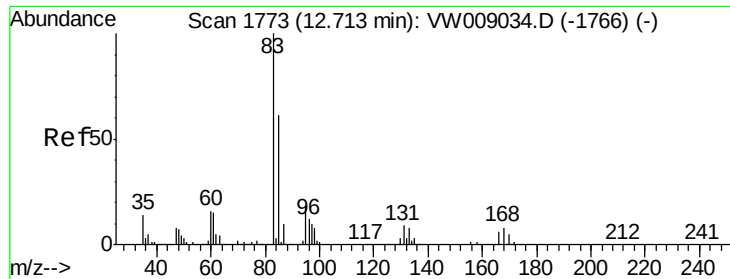
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.405 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

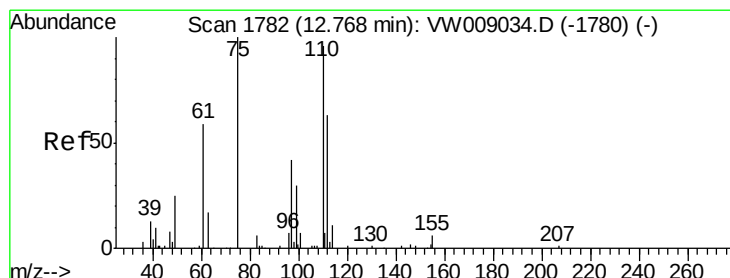
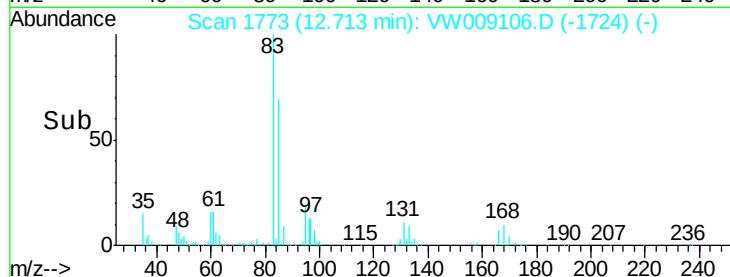
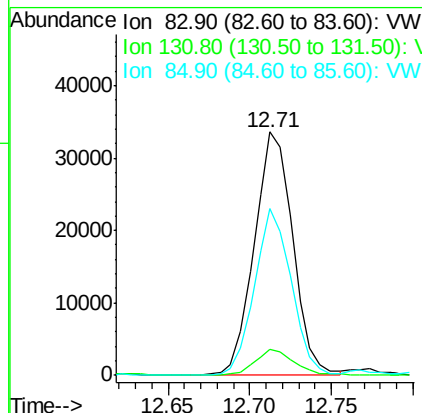
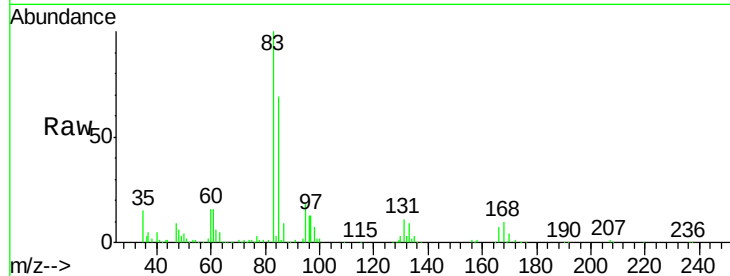
ClientSampleId :

VW0311SBSD02

Tot Ion:	83	Resp:	55519
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	65.3	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#76

1,2,3-Trichloropropane

Concen: 25.409 ug/l m

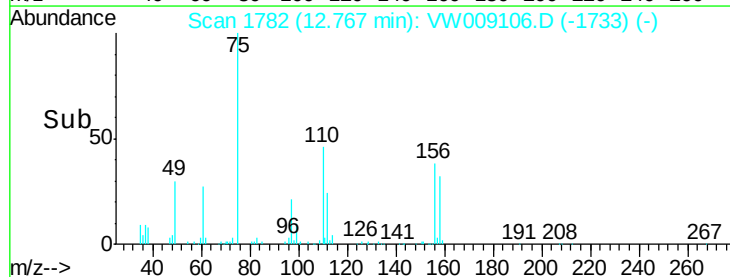
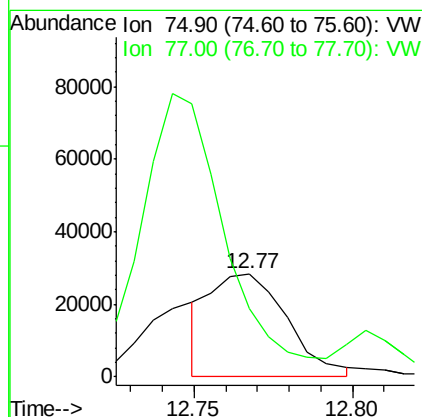
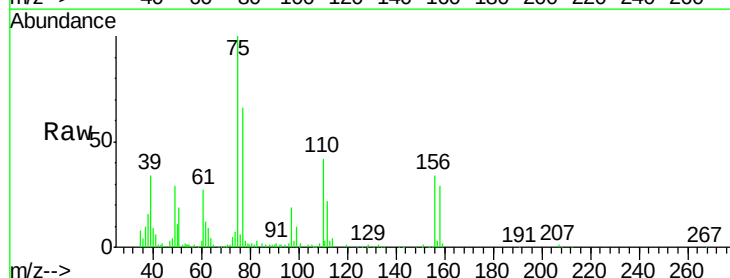
RT: 12.77 min Scan# 1782

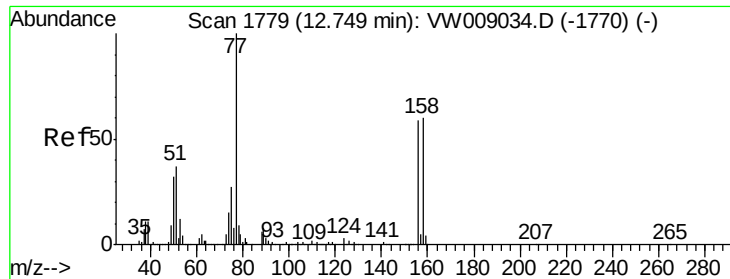
Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	75	Resp:	48356
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 20.125 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

ClientSampled :

VW0311SBSD02

Tot Ion:156 Resp: 79318

Ion Ratio Lower Upper

156 100

77 183.8 93.0 279.2

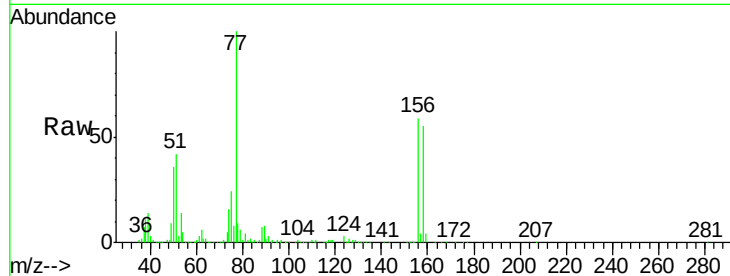
158 95.0 50.0 149.8

Manual Integrations

APPROVED

MMDadoda

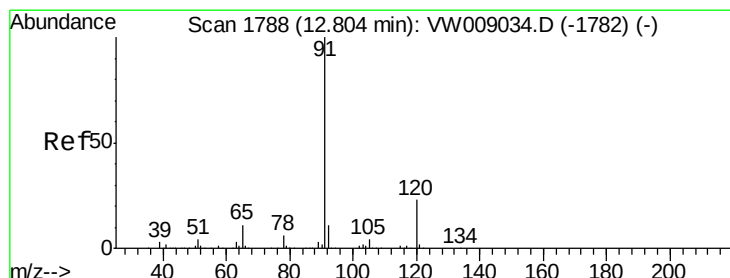
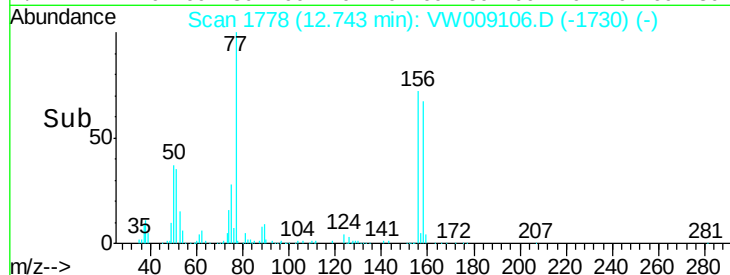
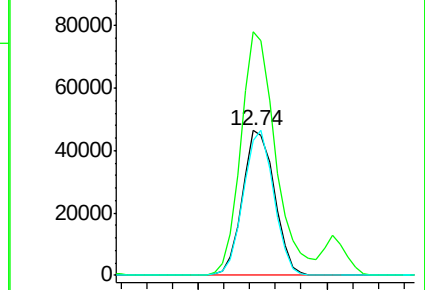
3/12/2019 1:16:18 PM



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: 19.027 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009106.D

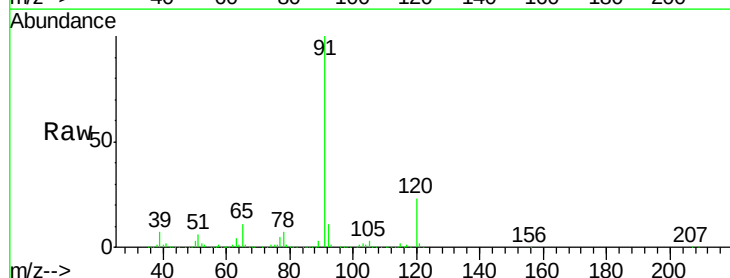
Acq: 12 Mar 2019 01:42

Tgt Ion: 91 Resp: 404250

Ion Ratio Lower Upper

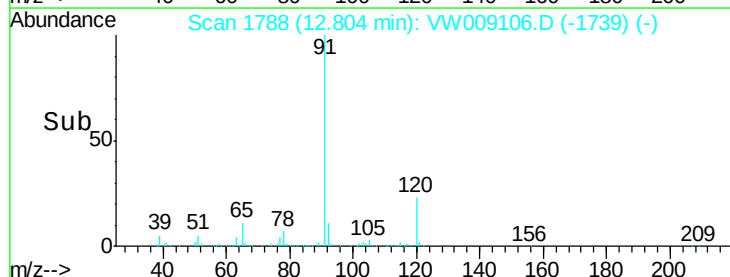
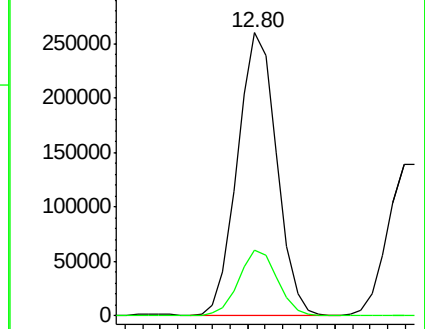
91 100

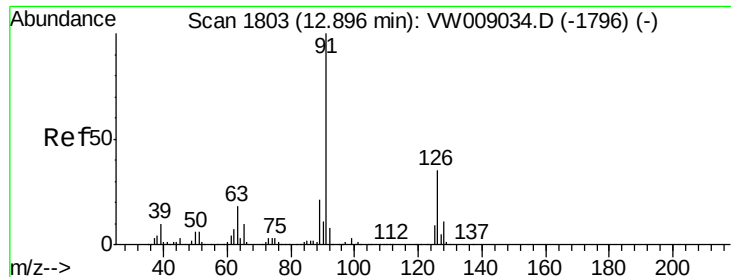
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





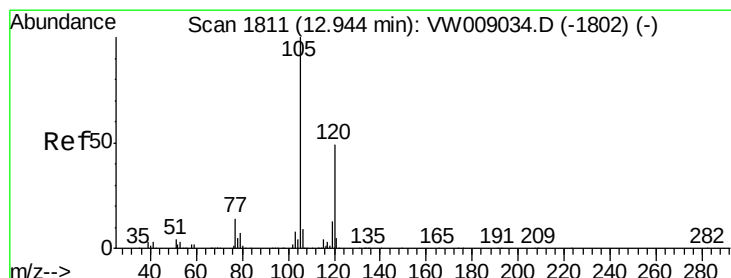
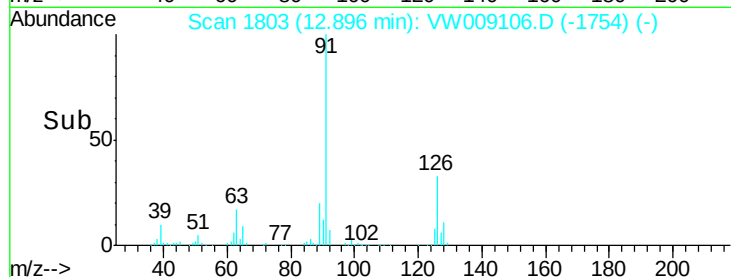
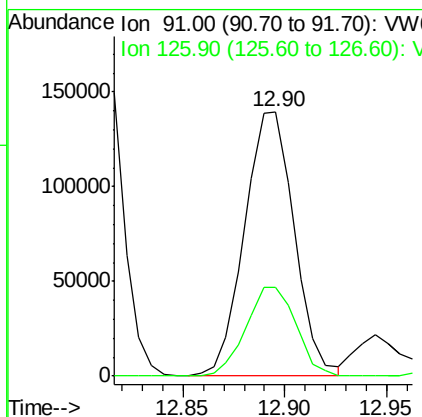
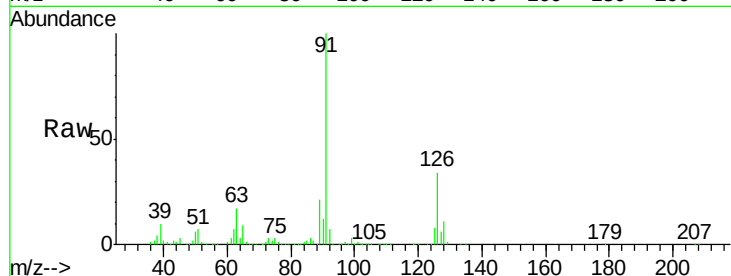
#79
 2-Chlorotoluene
 Concen: 19.788 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tot Ion: 91 Resp: 236219
 Ion Ratio Lower Upper
 91 100
 126 34.2 16.8 50.4

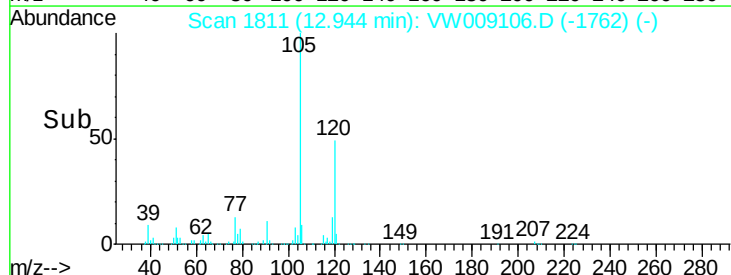
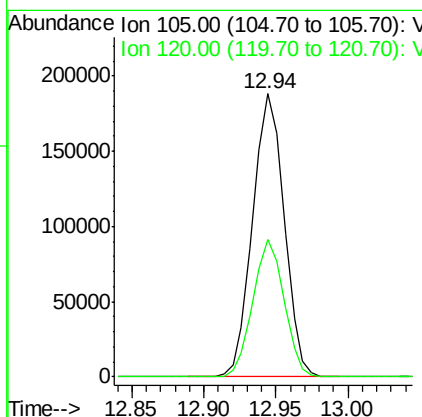
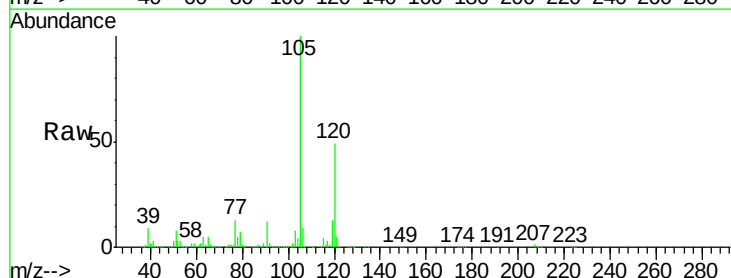
Manual Integrations
 APPROVED

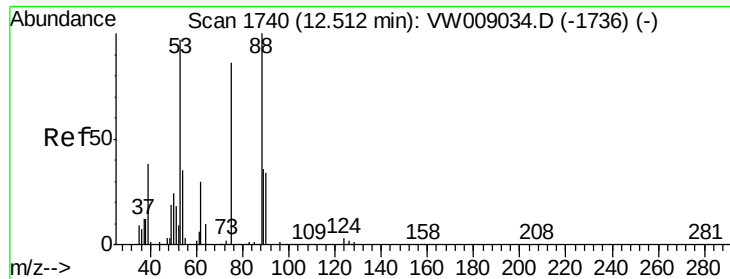
MMDadoda
 3/12/2019 1:16:18 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.054 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion: 105 Resp: 283304
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.4 73.2





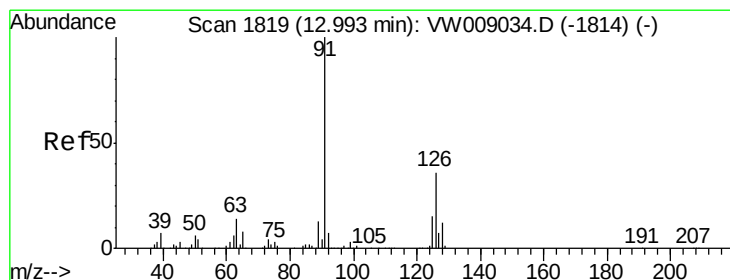
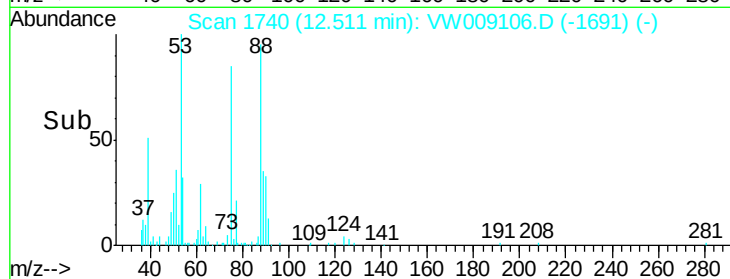
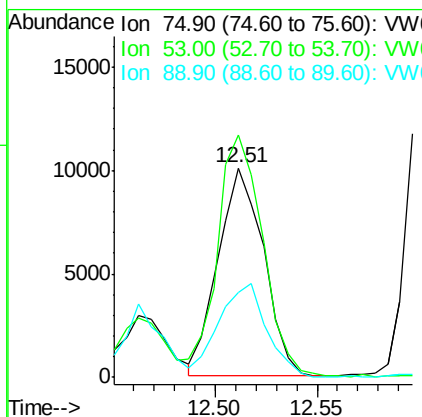
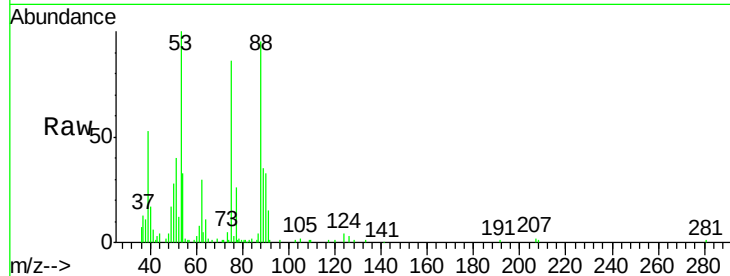
#81
trans-1,4-Dichloro-2-butene
Concen: 18.163 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.5	90.5	135.7
89	47.9	37.5	56.3

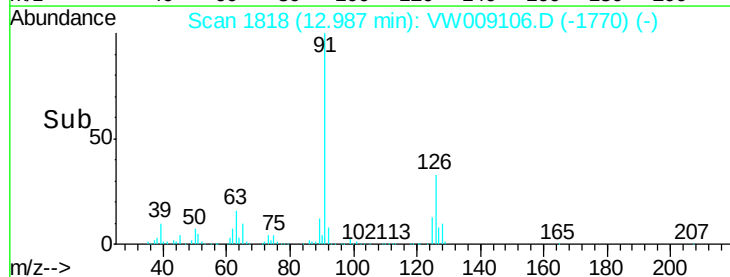
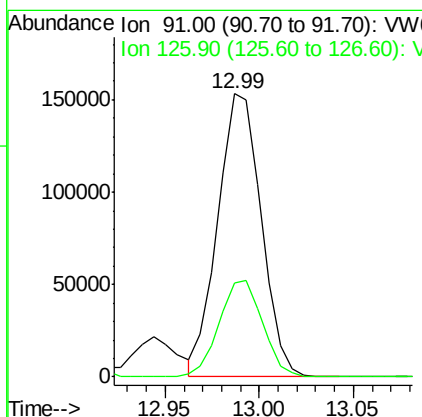
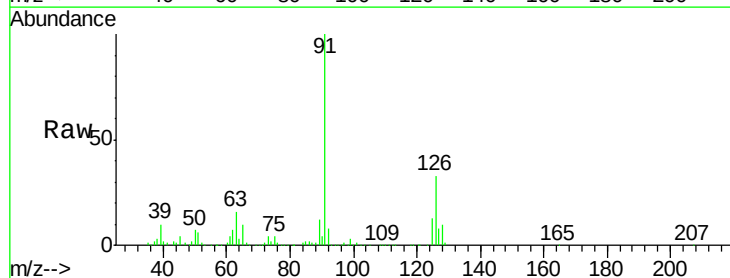
Manual Integrations
APPROVED

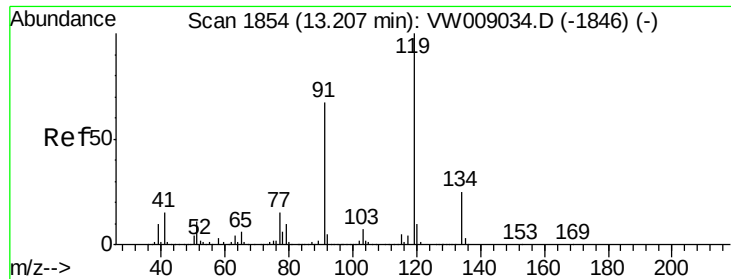
MMDadoda
3/12/2019 1:16:18 PM



#82
4-Chlorotoluene
Concen: 19.227 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.6	49.8





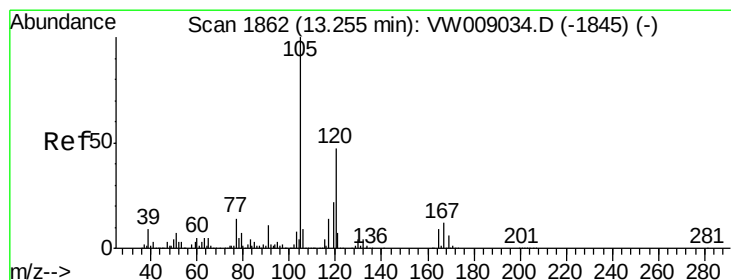
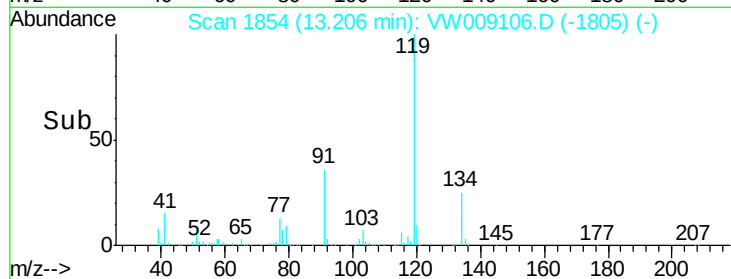
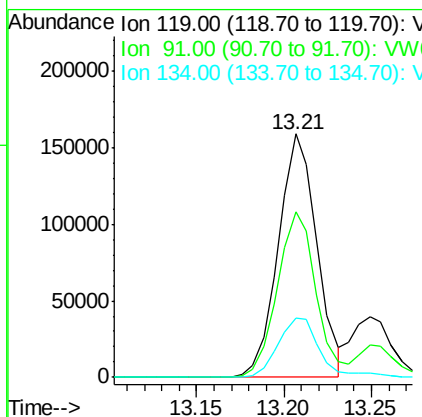
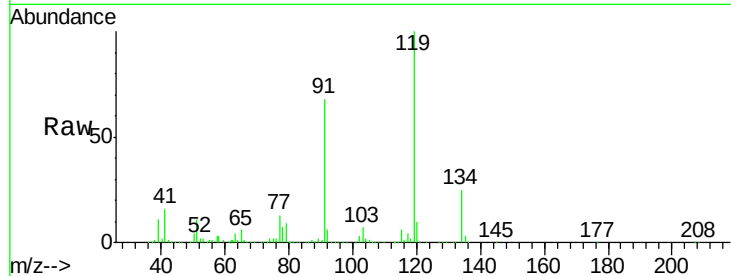
#83
 tert-Butylbenzene
 Concen: 19.517 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.2	102.5
134	27.0	13.9	41.6

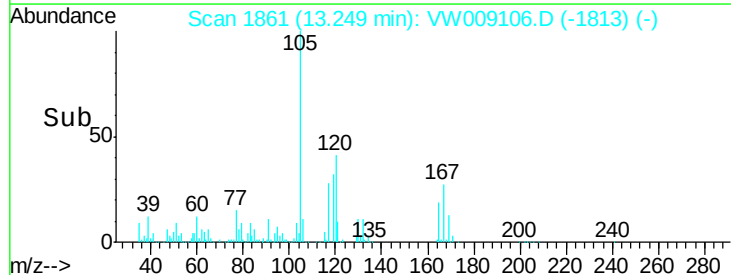
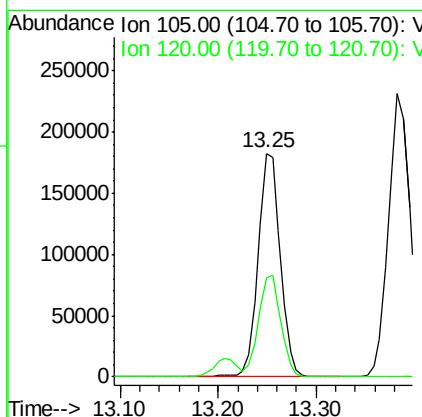
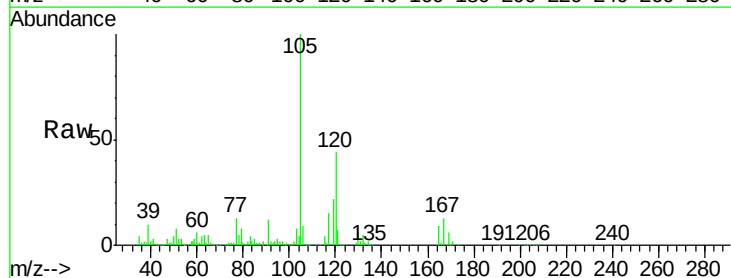
Manual Integrations
 APPROVED

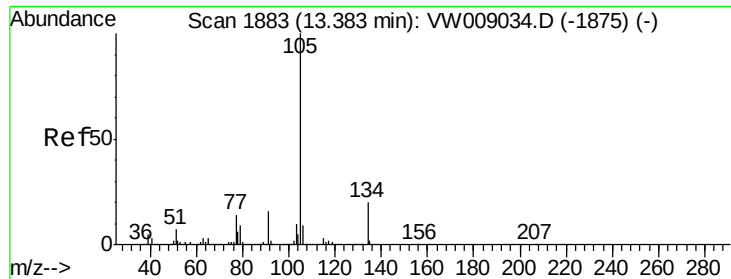
MMDadoda
 3/12/2019 1:16:18 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.089 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4





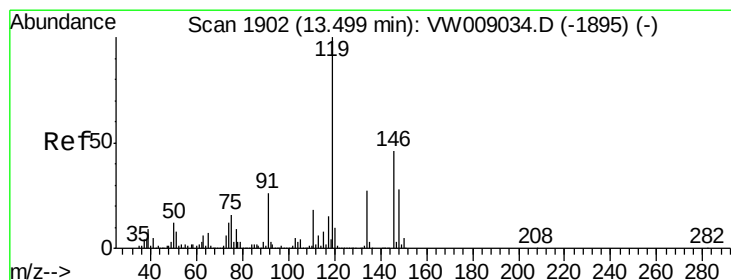
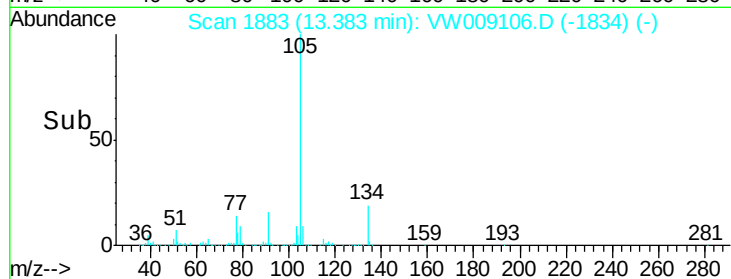
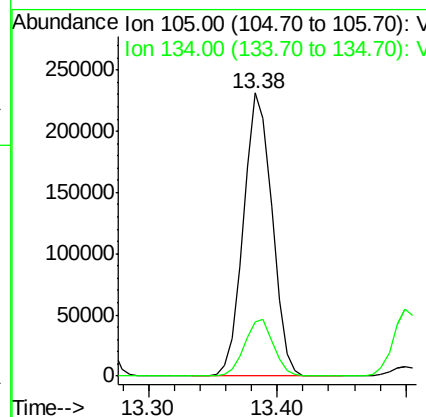
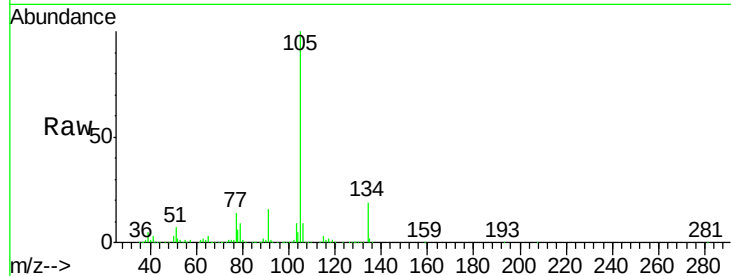
#85
 sec-Butylbenzene
 Concen: 19.078 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.0	30.0

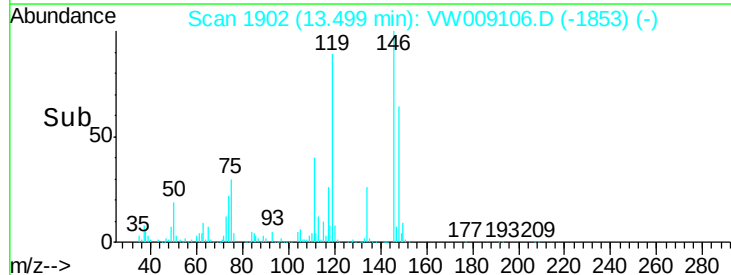
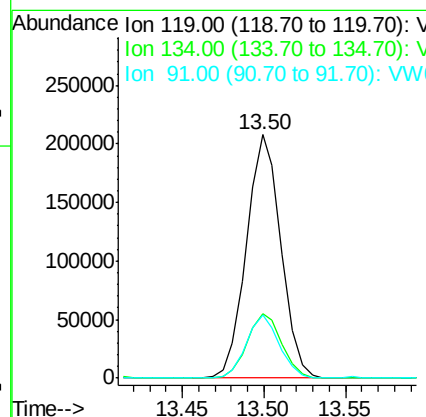
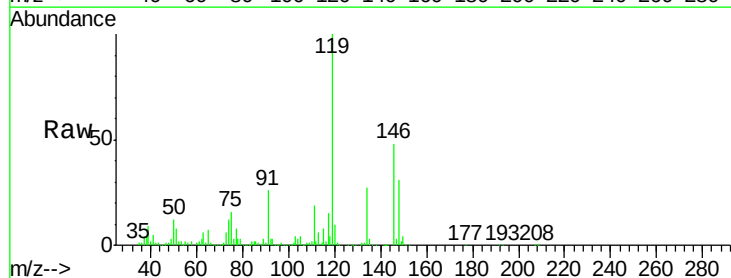
Manual Integrations
 APPROVED

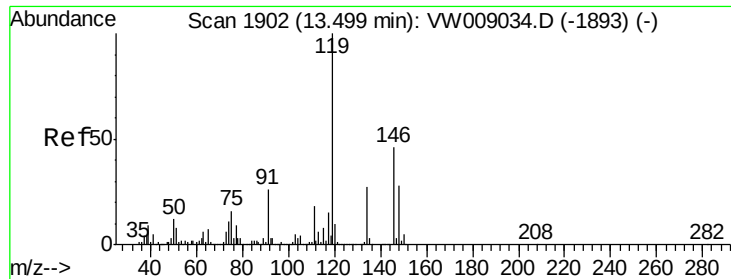
MMDadoda
 3/12/2019 1:16:18 PM



#86
 p-Isopropyltoluene
 Concen: 18.330 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.9
91	24.9	12.3	36.9





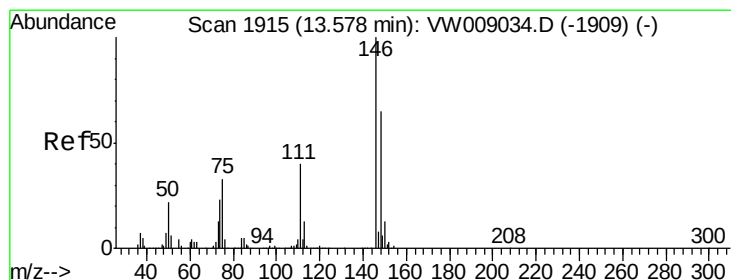
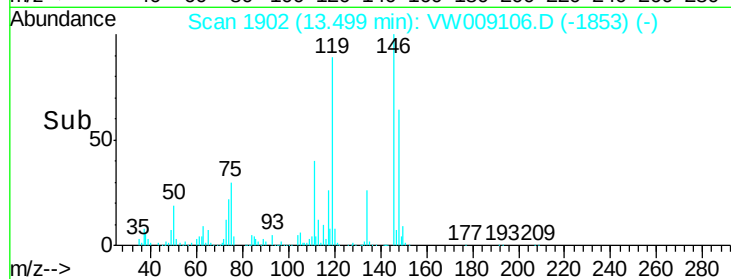
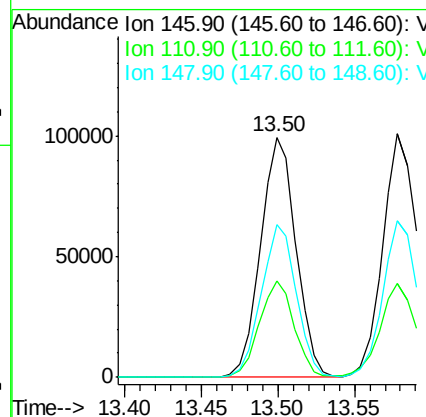
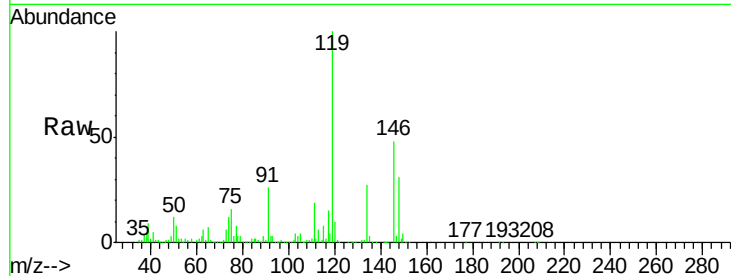
#87
 1,3-Dichlorobenzene
 Concen: 19.373 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	63.2	31.6	94.8

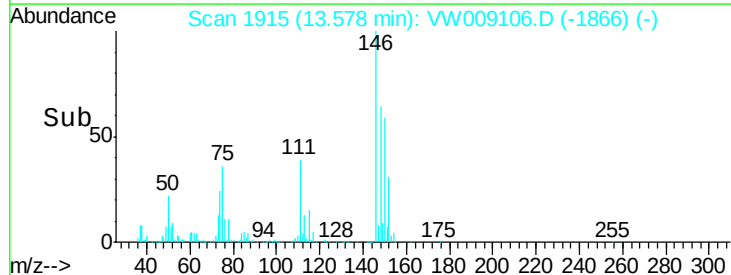
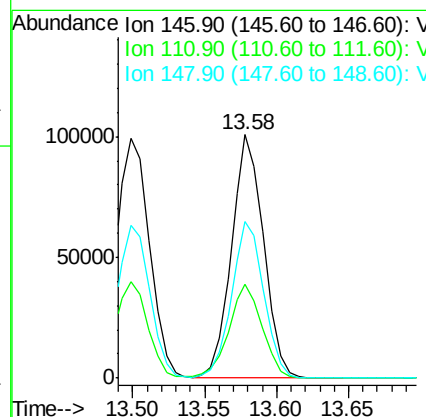
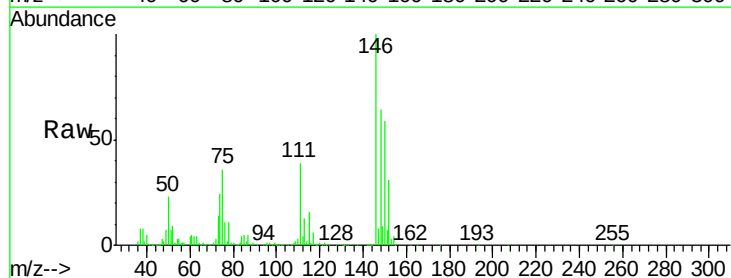
Manual Integrations
 APPROVED

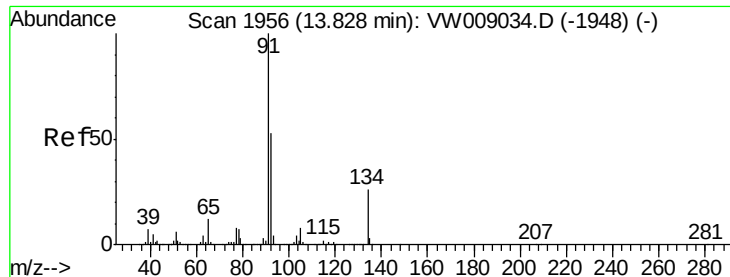
MMDadoda
 3/12/2019 1:16:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.206 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.7	59.0
148	64.5	32.2	96.6





#89

n-Butylbenzene

Concen: 18.117 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Instrument :

MSVOA_W

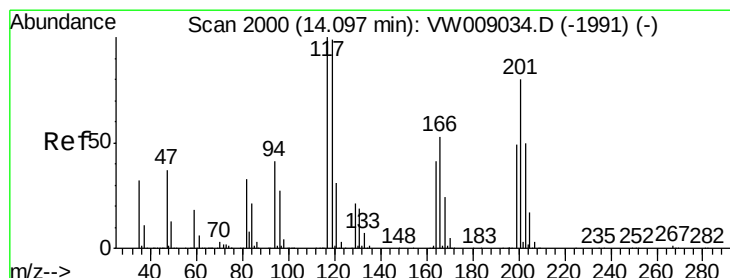
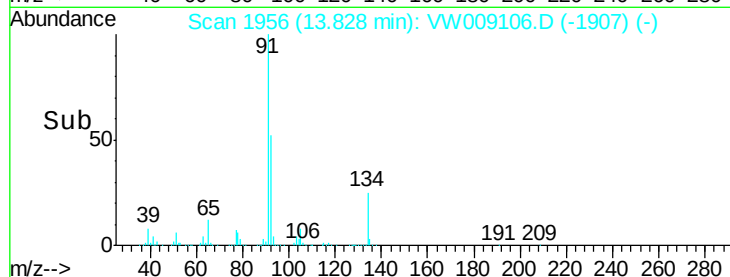
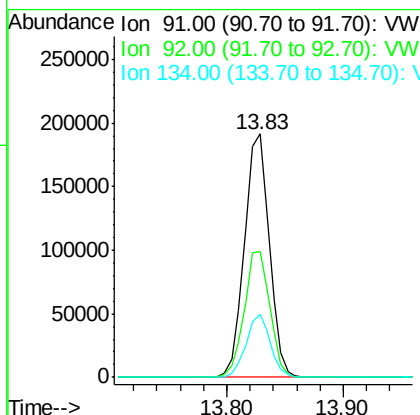
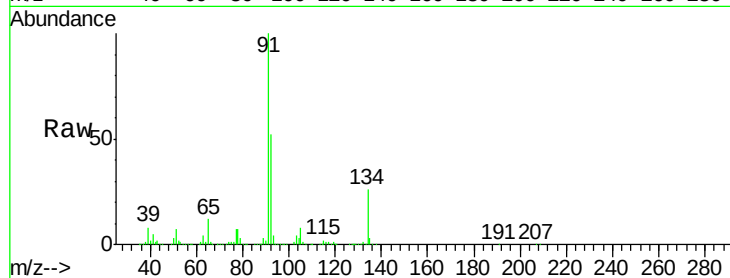
ClientSampleId :

VW0311SBS02

Tot Ion:	91	Resp:	286264
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	25.1	12.9	38.7

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#90

Hexachloroethane

Concen: 19.339 ug/l

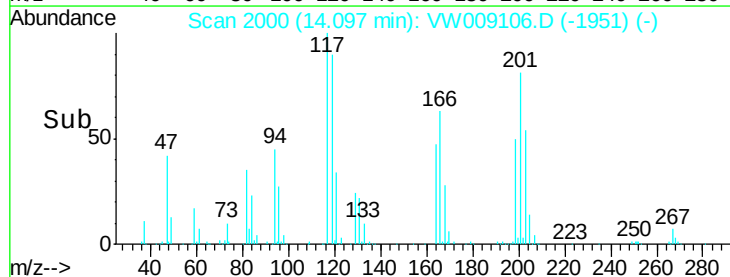
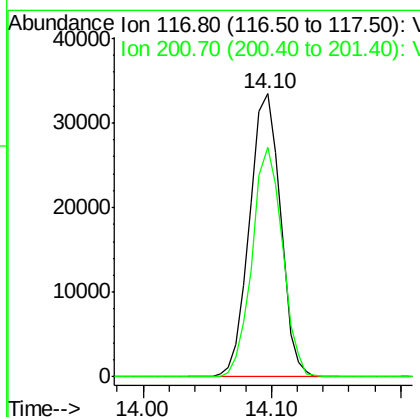
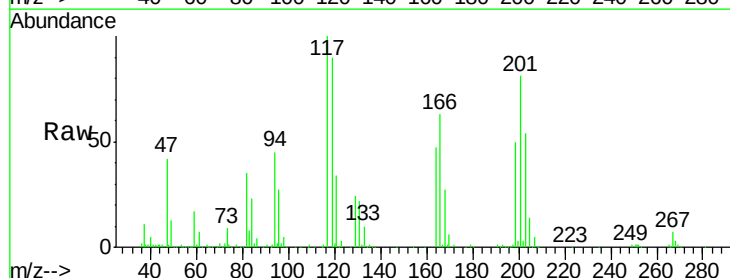
RT: 14.10 min Scan# 2000

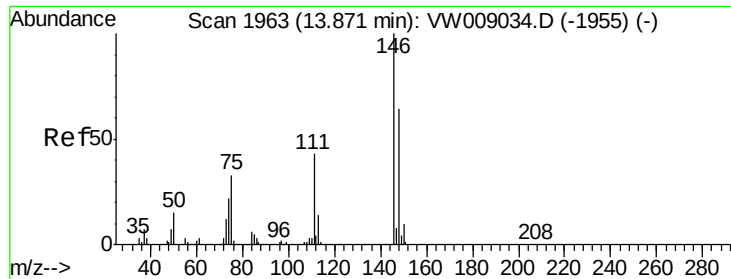
Delta R.T. -0.00 min

Lab File: VW009106.D

Acq: 12 Mar 2019 01:42

Tgt Ion:	117	Resp:	55437
Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.1	117.5





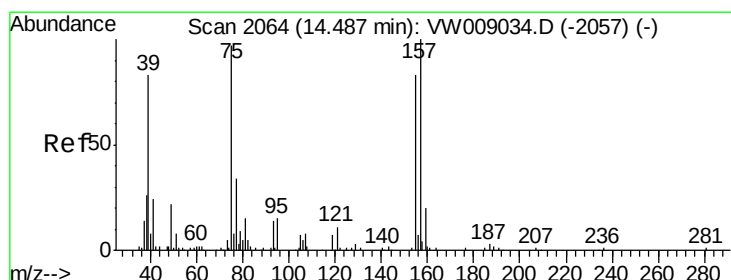
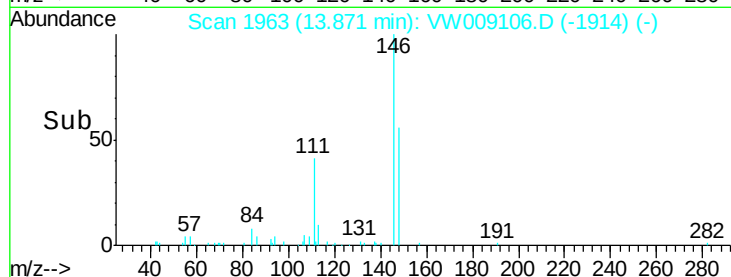
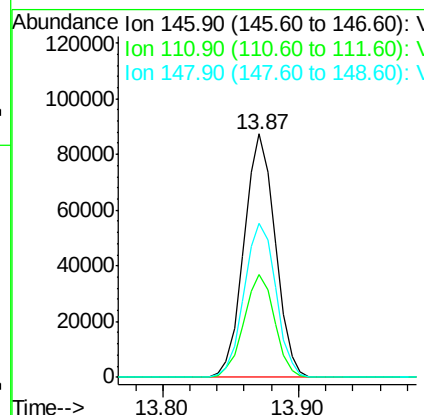
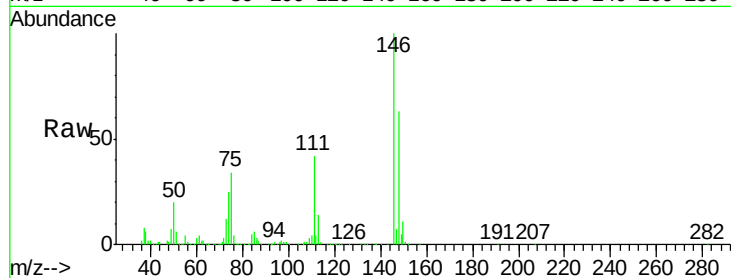
#91
 1,2-Dichlorobenzene
 Concen: 19.229 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	64.5	32.3	96.9

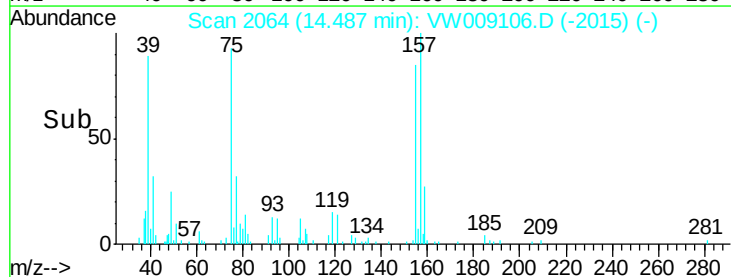
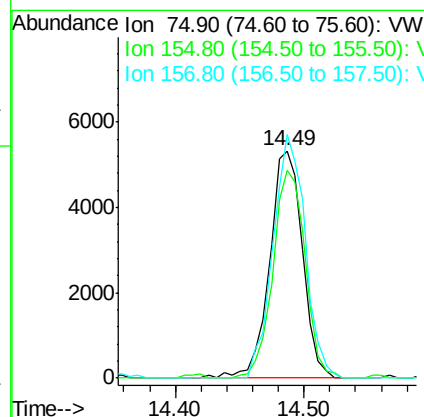
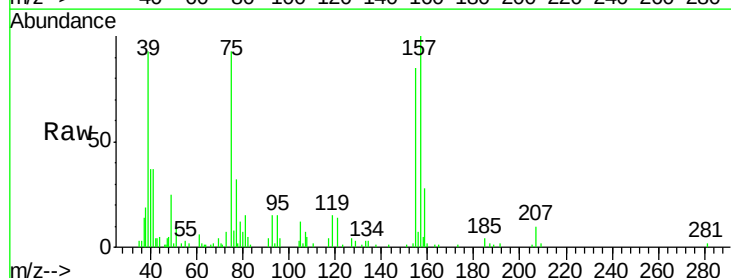
Manual Integrations
 APPROVED

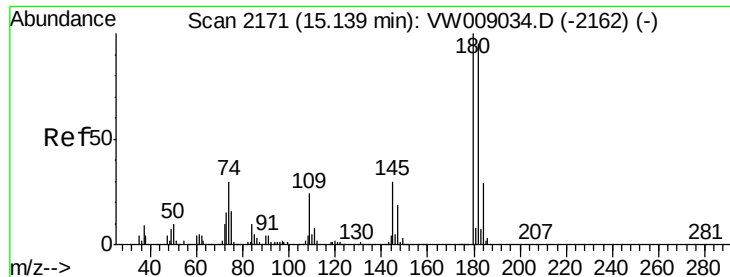
MMDadoda
 3/12/2019 1:16:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.469 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009106.D
 Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	40.8	122.4
157	105.6	52.4	157.3





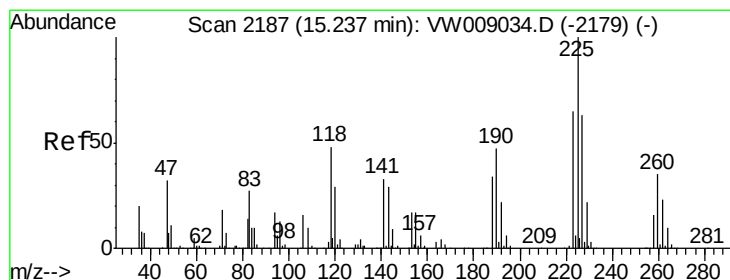
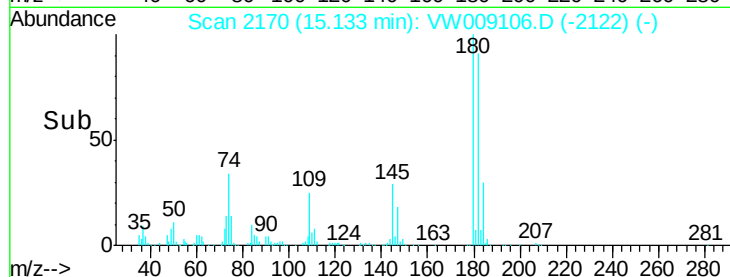
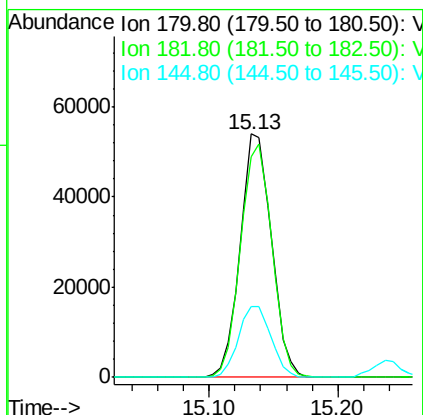
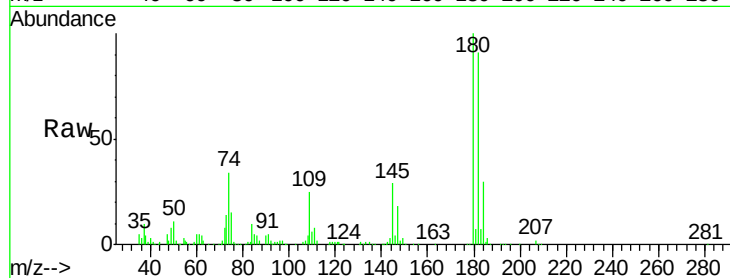
#93
1,2,4-Trichlorobenzene
Concen: 18.391 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	90763		
182	95.5	48.1	144.3	
145	30.4	15.4	46.1	

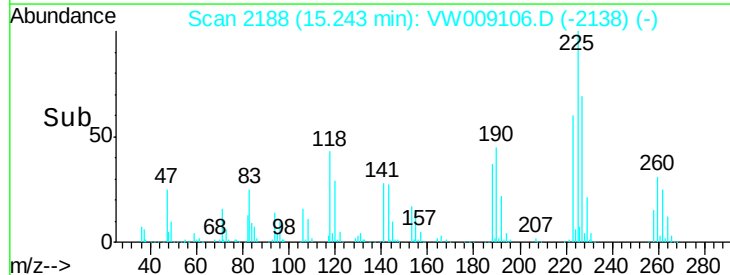
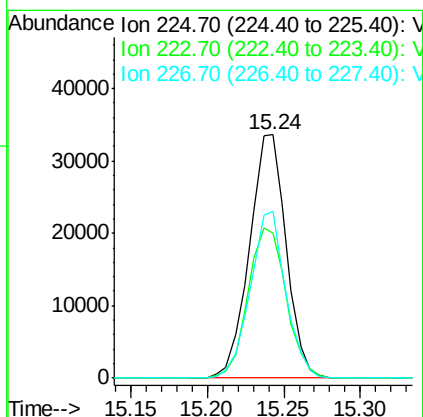
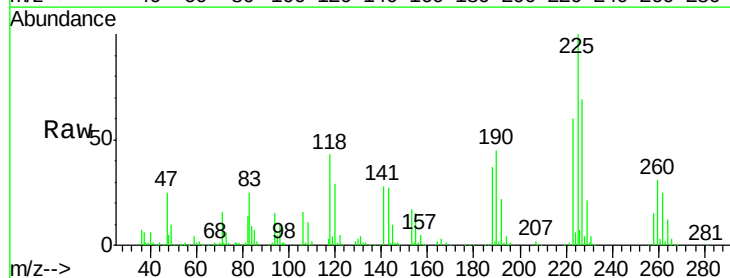
Manual Integrations
APPROVED

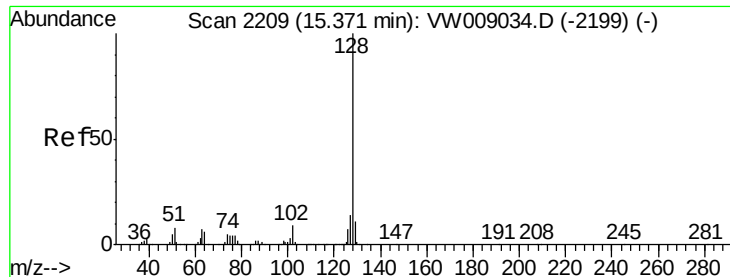
MMDadoda
3/12/2019 1:16:18 PM



#94
Hexachlorobutadiene
Concen: 18.172 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56175		
223	64.2	31.6	94.8	
227	66.3	32.0	96.2	





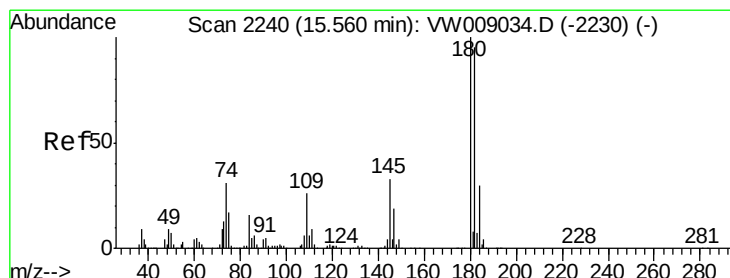
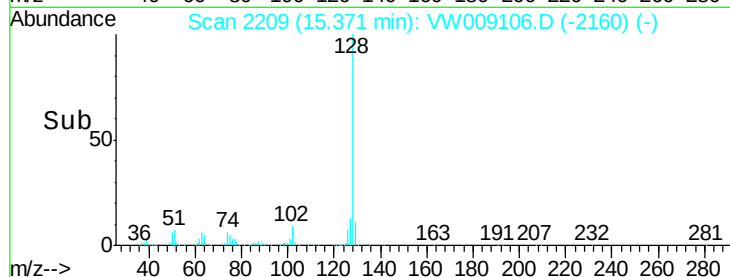
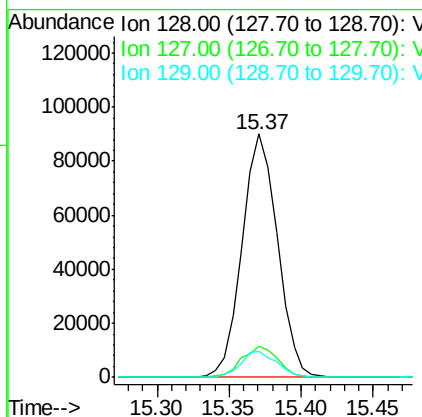
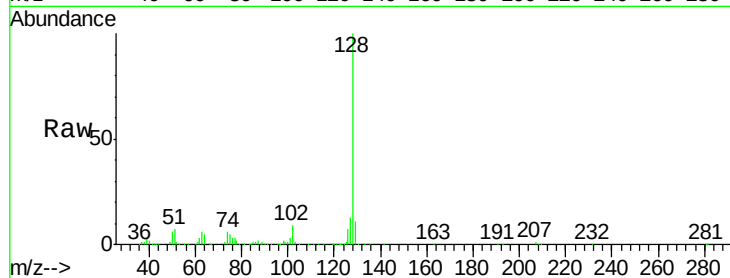
#95
Naphthalene
Concen: 18.987 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:16:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.984 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009106.D
Acq: 12 Mar 2019 01:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	48.1	144.3
145	32.8	15.8	47.3

