

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110818\
 Data File : VW006761.D
 Acq On : 08 Nov 2018 13:14
 Operator : SY/AP
 Sample : VW1108SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 1:37:38 PM

Quant Time: Nov 09 11:28:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	309679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	225995	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123260	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
35) Dibromofluoromethane	7.88	113	136118	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.33	98	519163	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	182844	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	38613	24.052	ug/l	93
3) Chloromethane	2.21	50	41981	21.135	ug/l	95
4) Vinyl Chloride	2.37	62	62434	22.511	ug/l	98
5) Bromomethane	2.79	94	52535	22.571	ug/l	100
6) Chloroethane	2.93	64	43237	22.312	ug/l	98
7) Trichlorofluoromethane	3.26	101	56666	23.137	ug/l	99
8) Diethyl Ether	3.68	74	25281	18.883	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61507	23.518	ug/l	99
10) Methyl Iodide	4.26	142	98056	20.678	ug/l	99
11) Tert butyl alcohol	5.21	59	13729	95.722	ug/l	100
12) 1,1-Dichloroethene	4.03	96	56004	22.171	ug/l	97
13) Acrolein	3.89	56	14162	78.508	ug/l	98
14) Allyl chloride	4.67	41	68993	20.925	ug/l	100
15) Acrylonitrile	5.37	53	47877	99.735	ug/l	99
16) Acetone	4.14	43	59495	138.433	ug/l	100
17) Carbon Disulfide	4.37	76	160312	22.302	ug/l	99
18) Methyl Acetate	4.68	43	22441	18.159	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	74329	19.769	ug/l	99
20) Methylene Chloride	4.91	84	60228	17.774	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	61130	21.387	ug/l	97
22) Diisopropyl ether	6.31	45	143521	20.879	ug/l	97
23) Vinyl Acetate	6.26	43	382604	100.371	ug/l	100
24) 1,1-Dichloroethane	6.21	63	98201	21.079	ug/l	99
25) 2-Butanone	7.18	43	69491	113.312	ug/l	100
26) 2,2-Dichloropropane	7.17	77	69387	24.725	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	66288	20.730	ug/l	99
28) Bromochloromethane	7.51	49	37398	20.216	ug/l	100
29) Tetrahydrofuran	7.54	42	37211	96.468	ug/l	99
30) Chloroform	7.68	83	106580	20.867	ug/l	99
31) Cyclohexane	7.96	56	91257	21.522	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	96872	22.414	ug/l	99
36) 1,1-Dichloropropene	8.09	75	84719	22.533	ug/l	100
37) Ethyl Acetate	7.26	43	27278	20.936	ug/l	99
38) Carbon Tetrachloride	8.07	117	93089	23.694	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110818\
 Data File : VW006761.D
 Acq On : 08 Nov 2018 13:14
 Operator : SY/AP
 Sample : VW1108SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 1:37:38 PM

Quant Time: Nov 09 11:28:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106925	22.410	ug/l	99
40) Benzene	8.32	78	239568	22.433	ug/l	99
41) Methacrylonitrile	7.49	41	15326	19.182	ug/l	98
42) 1,2-Dichloroethane	8.40	62	64420	21.034	ug/l	100
43) Isopropyl Acetate	8.43	43	51960	19.985	ug/l	100
44) Trichloroethene	9.09	130	73068	22.172	ug/l	99
45) 1,2-Dichloropropane	9.37	63	55842	22.469	ug/l	97
46) Dibromomethane	9.46	93	31163	21.331	ug/l	98
47) Bromodichloromethane	9.65	83	74573	21.984	ug/l	98
48) Methyl methacrylate	9.44	41	24703	19.720	ug/l	97
49) 1,4-Dioxane	9.48	88	8746	409.062	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	136547	102.258	ug/l	100
52) Toluene	10.39	92	158725	22.160	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	71107	21.781	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	84286	21.848	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44203	21.325	ug/l	97
56) Ethyl methacrylate	10.65	69	47207	20.037	ug/l	97
57) 1,3-Dichloropropane	10.93	76	72003	21.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	115126	100.522	ug/l	99
59) 2-Hexanone	10.98	43	104814	115.569	ug/l	97
60) Dibromochloromethane	11.13	129	53273	21.691	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43637	21.199	ug/l	99
64) Tetrachloroethene	10.87	164	65670	20.923	ug/l	99
65) Chlorobenzene	11.66	112	184534	22.272	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	64859	22.271	ug/l	100
67) Ethyl Benzene	11.74	91	305935	22.091	ug/l	99
68) m/p-Xylenes	11.84	106	245115	44.301	ug/l	99
69) o-Xylene	12.17	106	114456	21.729	ug/l	99
70) Styrene	12.19	104	186001	21.659	ug/l	100
71) Bromoform	12.35	173	32979	21.363	ug/l #	100
73) Isopropylbenzene	12.47	105	324875	21.822	ug/l	99
74) N-amyl acetate	12.28	43	49578	19.272	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	49025	20.850	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	31106m	17.641	ug/l	
77) Bromobenzene	12.75	156	81854	21.236	ug/l	99
78) n-propylbenzene	12.81	91	380914	22.245	ug/l	99
79) 2-Chlorotoluene	12.90	91	210476	21.417	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	273358	21.856	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13112	20.894	ug/l	97
82) 4-Chlorotoluene	12.99	91	227053	21.839	ug/l	99
83) tert-Butylbenzene	13.21	119	242636	21.754	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	281639	21.954	ug/l	100
85) sec-Butylbenzene	13.39	105	346731	22.196	ug/l	100
86) p-Isopropyltoluene	13.51	119	314508	22.126	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	166447	21.927	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	163725	21.759	ug/l	99
89) n-Butylbenzene	13.83	91	285369	22.616	ug/l	99
90) Hexachloroethane	14.10	117	52104	22.303	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	146589	21.468	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7387	19.361	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110818\
Data File : VW006761.D
Acq On : 08 Nov 2018 13:14
Operator : SY/AP
Sample : VW1108SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

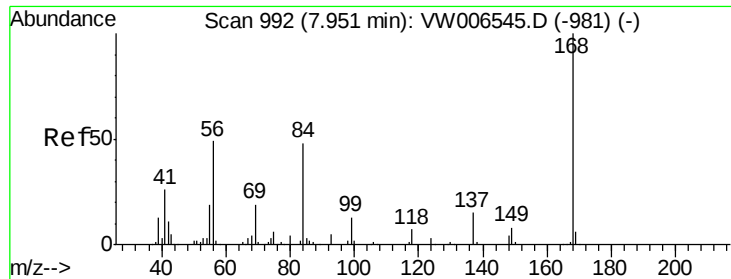
Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM

Quant Time: Nov 09 11:28:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	108422	21.354	ug/l	100
94) Hexachlorobutadiene	15.24	225	71765	22.679	ug/l	100
95) Naphthalene	15.38	128	160398	19.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	94198	21.110	ug/l	100

(#) = 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: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion:168 Resp: 309679

Ion Ratio Lower Upper

168 100

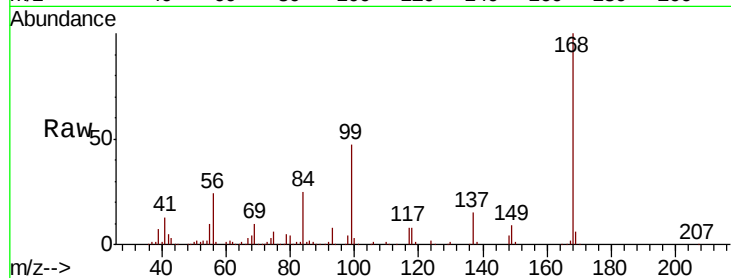
99 47.1 37.4 56.0

Manual Integrations

APPROVED

MMDadoda

11/9/2018 1:37:38 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

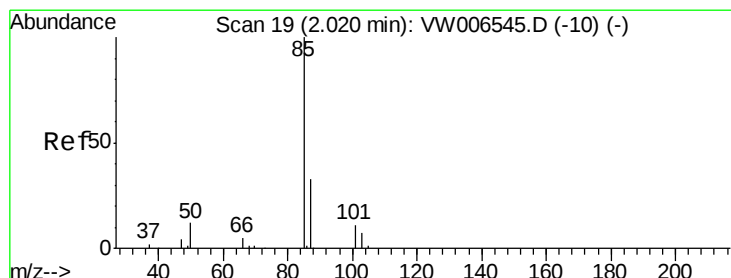
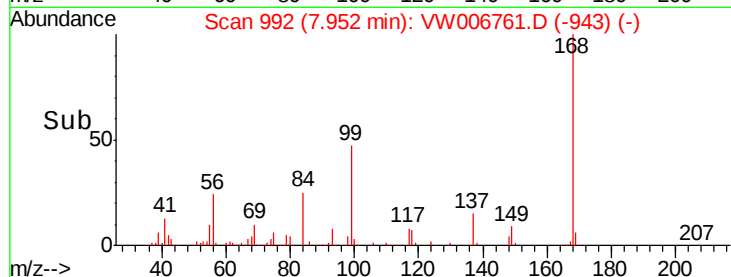
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.052 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW006761.D

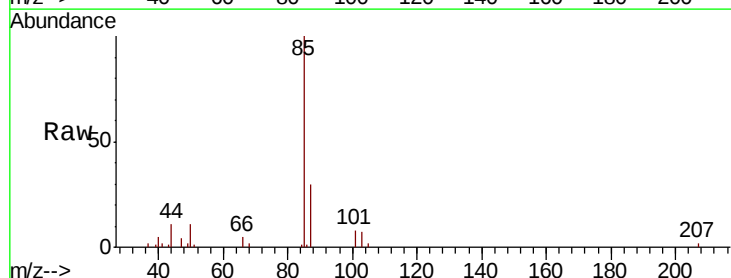
Acq: 08 Nov 2018 13:14

Tgt Ion: 85 Resp: 38613

Ion Ratio Lower Upper

85 100

87 29.5 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

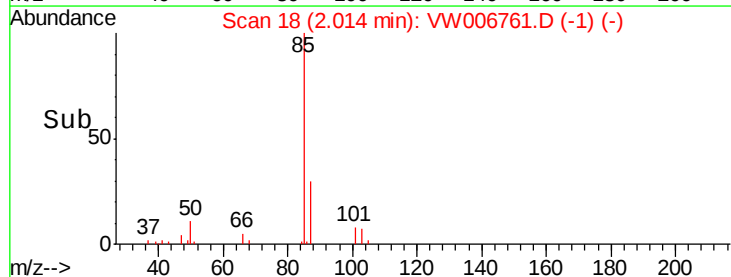
6000

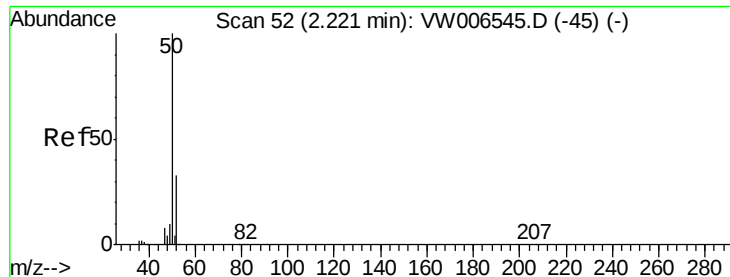
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.135 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 50 Resp: 41981

Ion Ratio Lower Upper

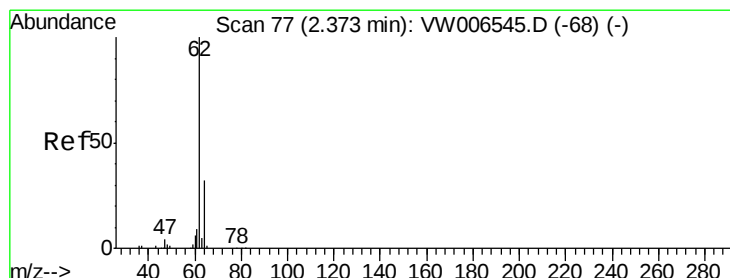
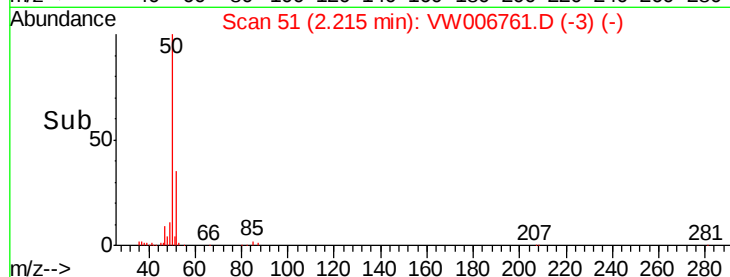
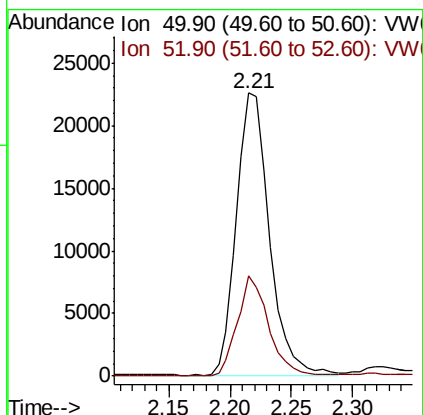
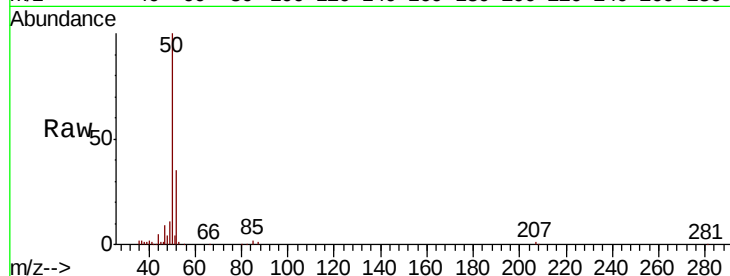
50 100

52 35.4 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

11/9/2018 1:37:38 PM



#4

Vinyl Chloride

Concen: 22.511 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006761.D

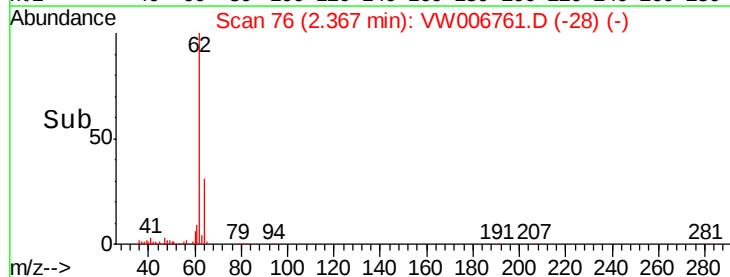
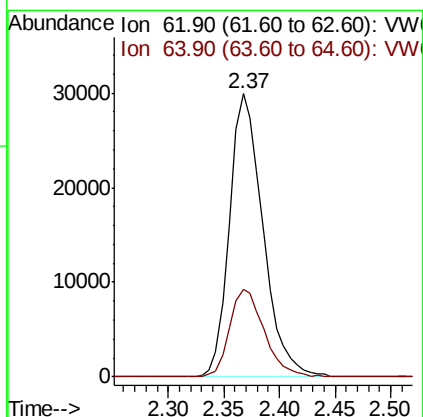
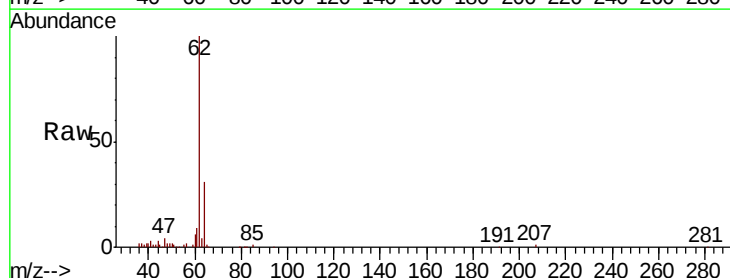
Acq: 08 Nov 2018 13:14

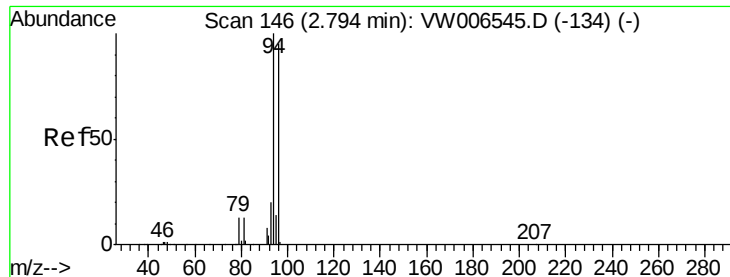
Tgt Ion: 62 Resp: 62434

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.0





#5

Bromomethane

Concen: 22.571 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 94 Resp: 52535

Ion Ratio Lower Upper

94 100

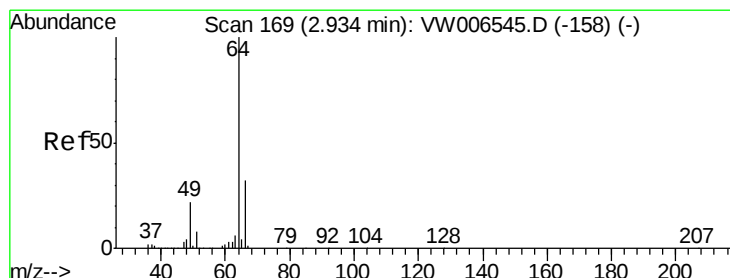
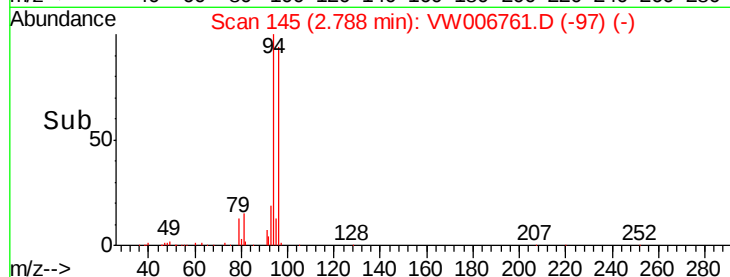
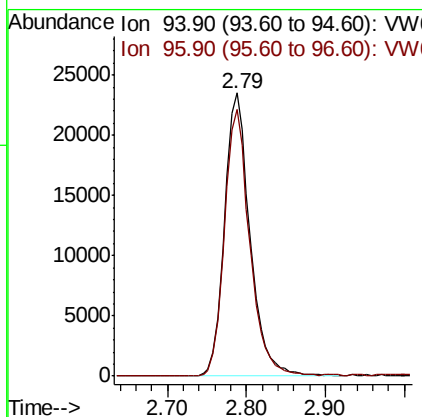
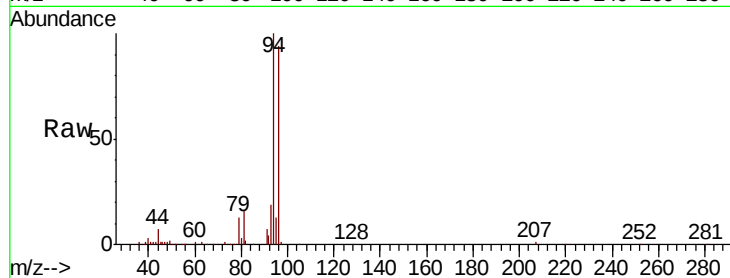
96 94.3 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

11/9/2018 1:37:38 PM



#6

Chloroethane

Concen: 22.312 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006761.D

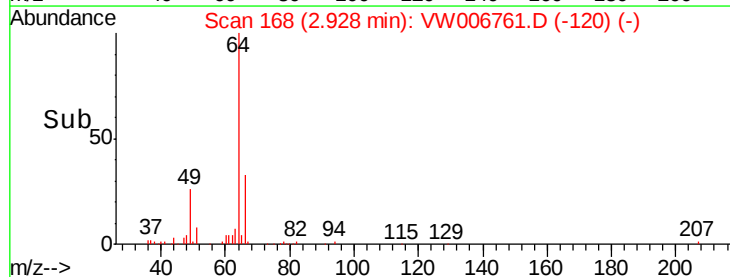
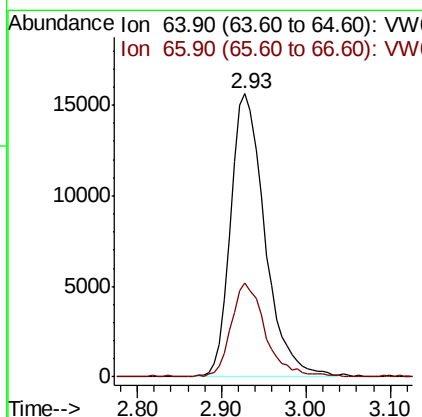
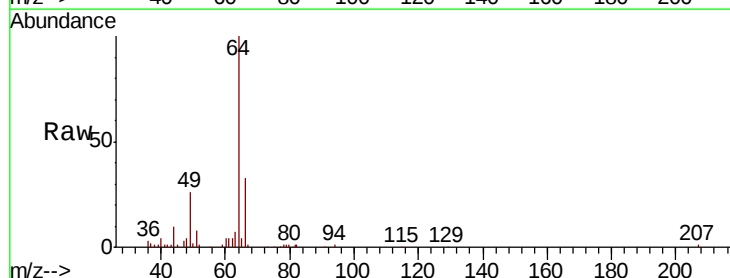
Acq: 08 Nov 2018 13:14

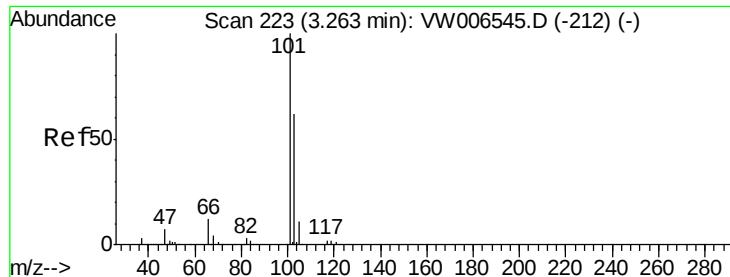
Tgt Ion: 64 Resp: 43237

Ion Ratio Lower Upper

64 100

66 33.4 25.9 38.9





#7

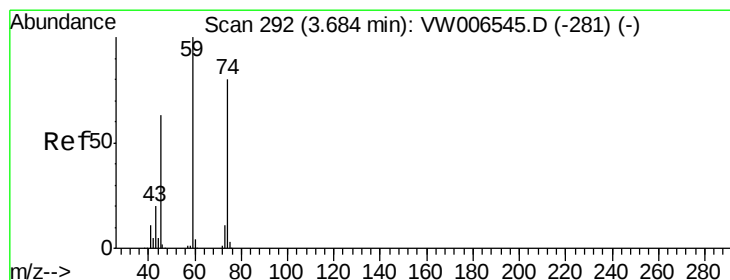
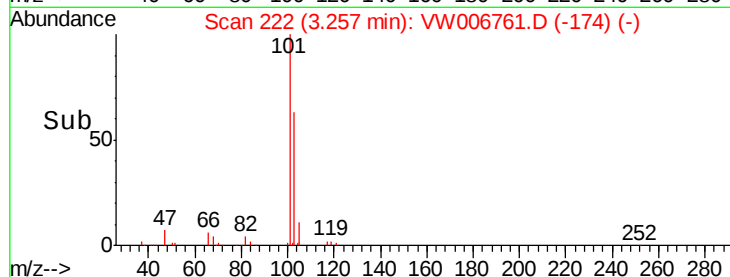
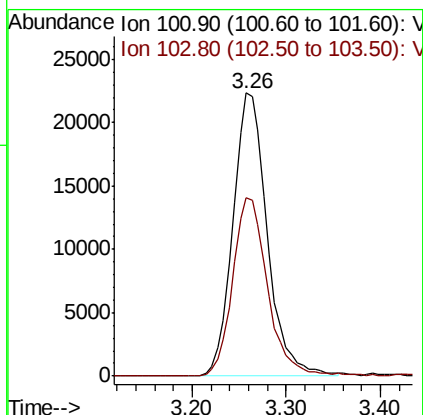
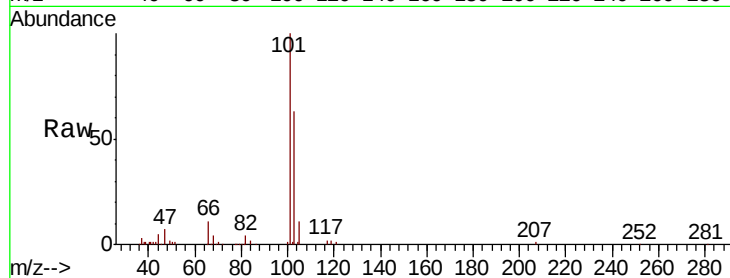
Trichlorofluoromethane
Concen: 23.137 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	49.8	74.8

Manual Integrations
APPROVED

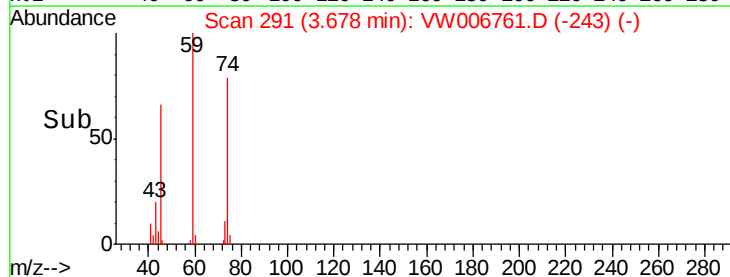
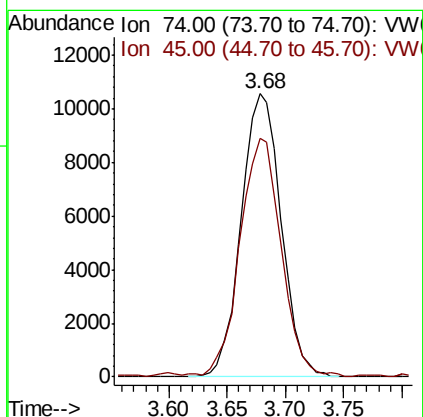
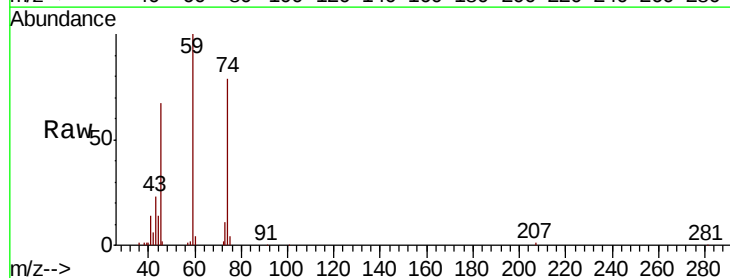
MMDadoda
11/9/2018 1:37:38 PM

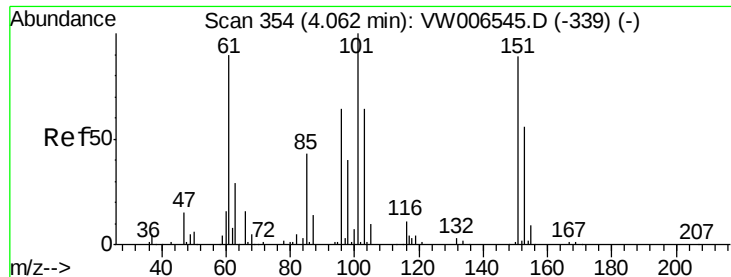


#8

Diethyl Ether
Concen: 18.883 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.9	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.518 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

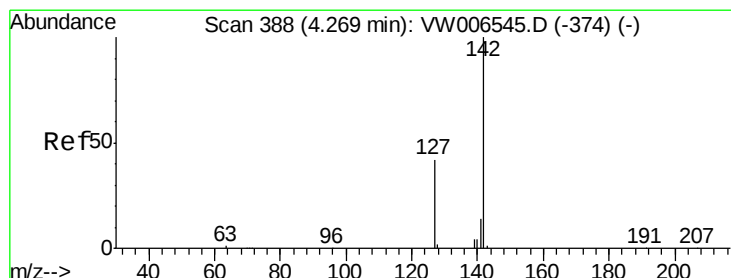
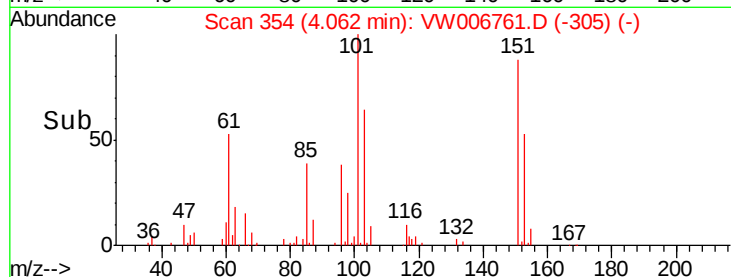
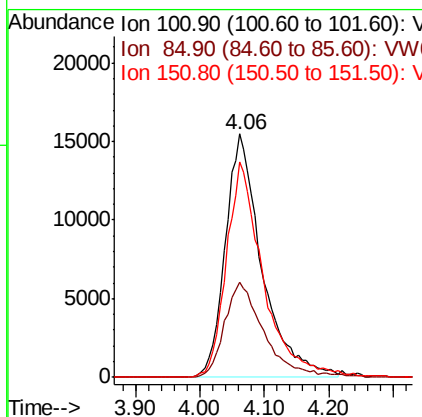
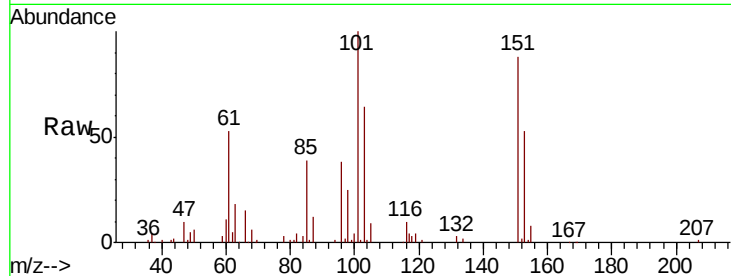
ClientSampleId :

VW1108SBS01

Tot Ion:	101	Resp:	61507
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.2
151	88.8	70.7	106.1

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#10

Methyl Iodide

Concen: 20.678 ug/l

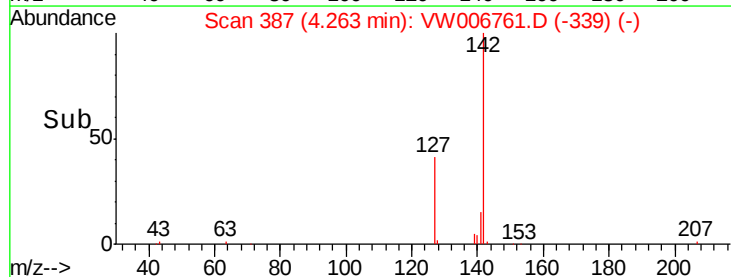
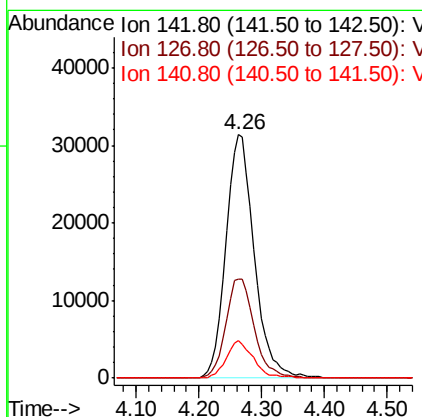
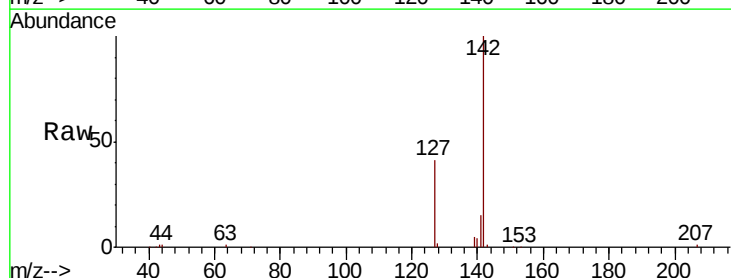
RT: 4.26 min Scan# 387

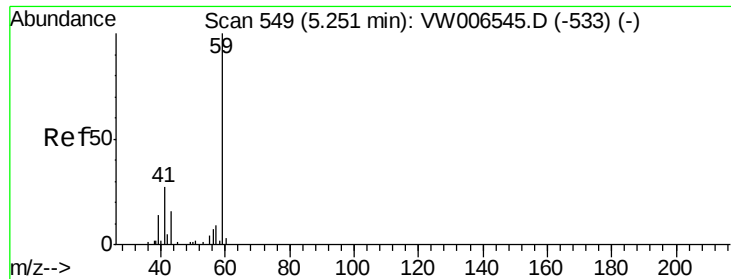
Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Tgt Ion:	142	Resp:	98056
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.3	48.5
141	14.6	11.3	16.9





#11

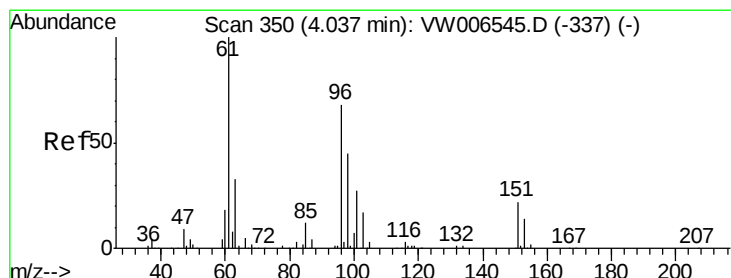
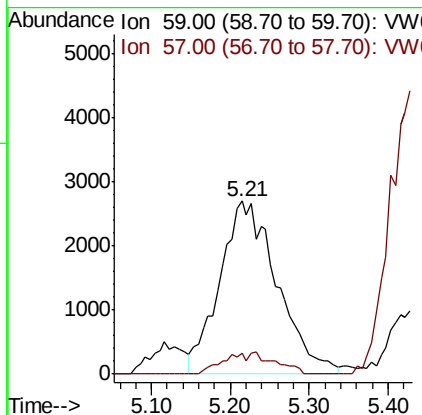
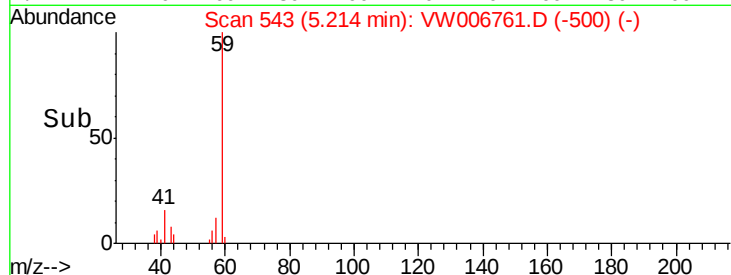
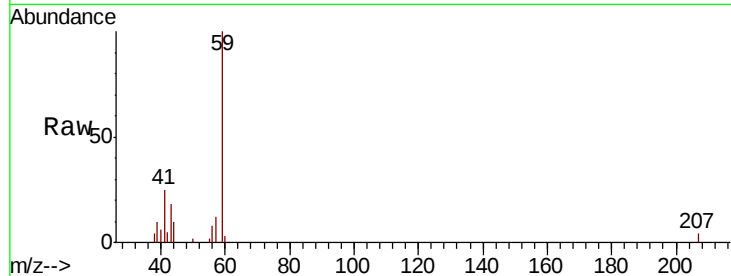
Tert butyl alcohol
Concen: 95.722 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.04 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	59	57	Ratio	100	5.3	Resp	13729	Lower	Upper
59	100								
57		5.3						4.3	6.5

Manual Integrations
APPROVED

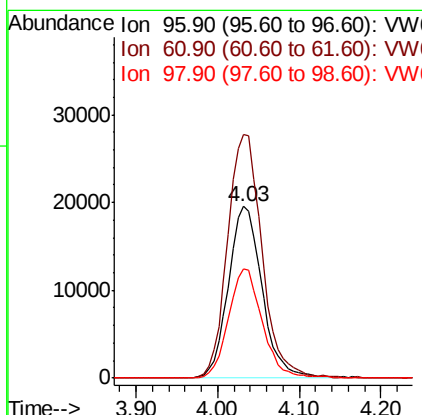
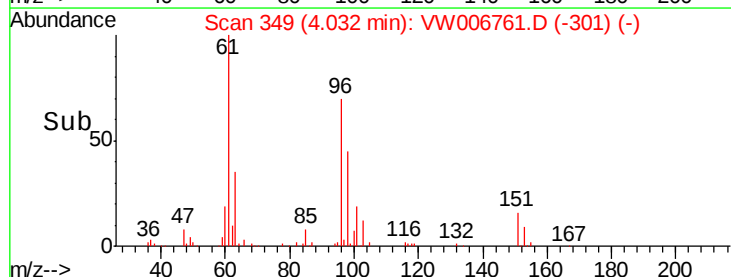
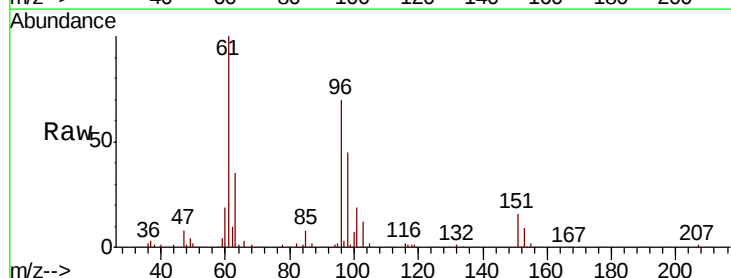
MMDadoda
11/9/2018 1:37:38 PM

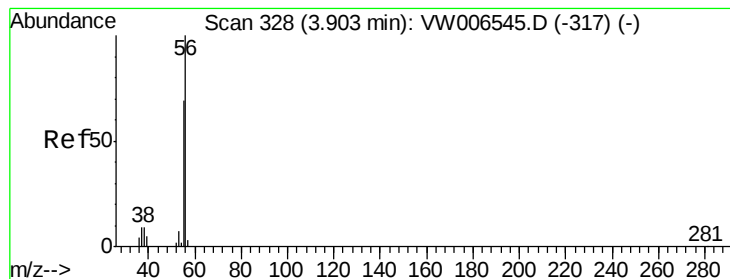


#12

1,1-Dichloroethene
Concen: 22.171 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	96	61	98	Ratio	100	141.9	64.0	Resp	56004	Lower	Upper
96	100										
61		141.9								117.0	175.4
98			64.0							52.5	78.7





#13

Acrolein

Concen: 78.508 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 56 Resp: 14162

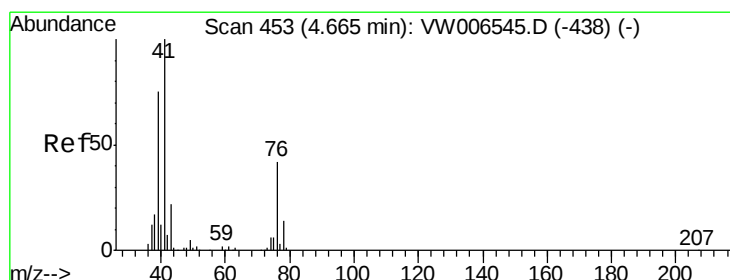
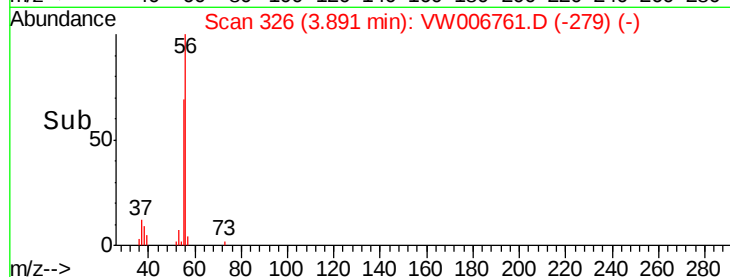
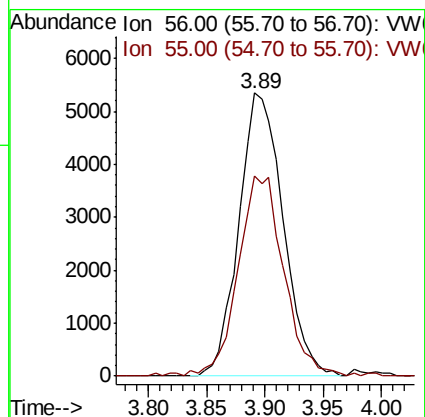
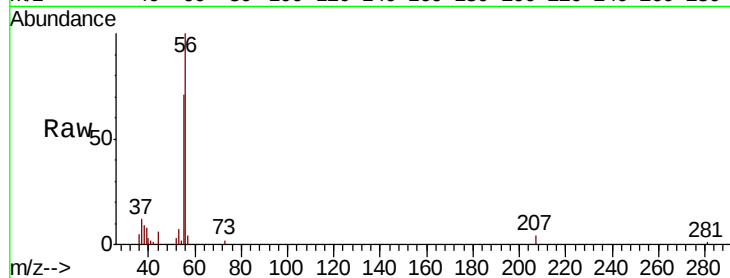
Ion Ratio Lower Upper

56 100

55 72.5 56.9 85.3

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#14

Allyl chloride

Concen: 20.925 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

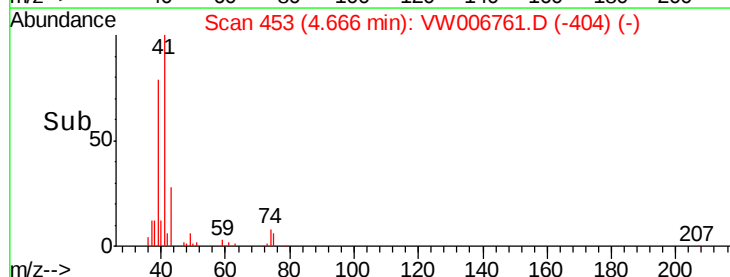
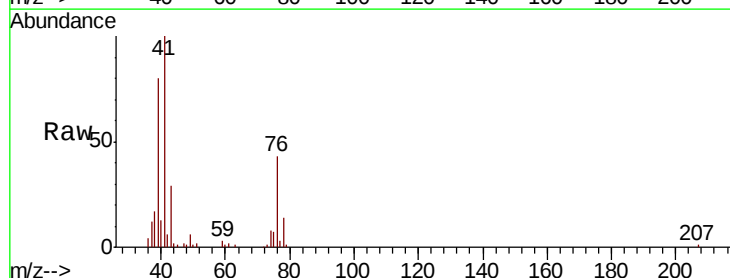
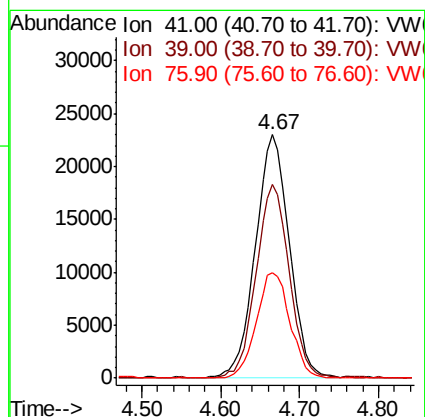
Tgt Ion: 41 Resp: 68993

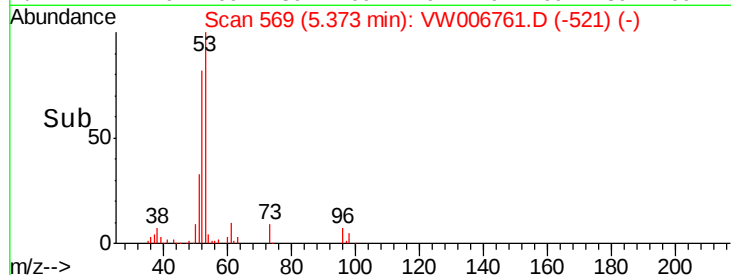
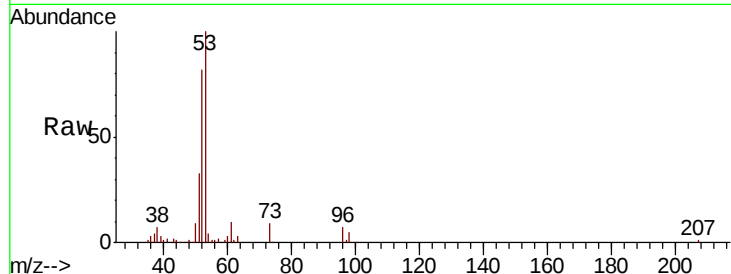
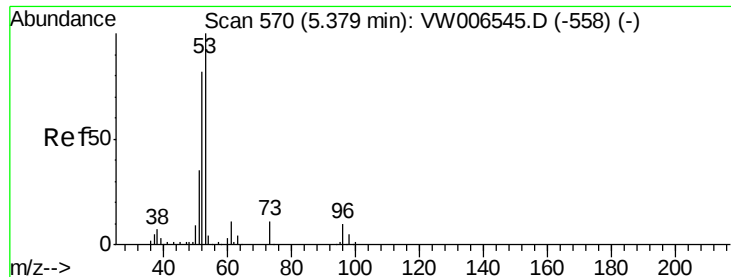
Ion Ratio Lower Upper

41 100

39 77.6 62.1 93.1

76 42.6 34.2 51.2





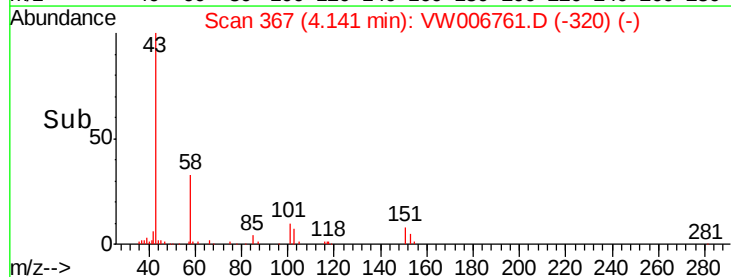
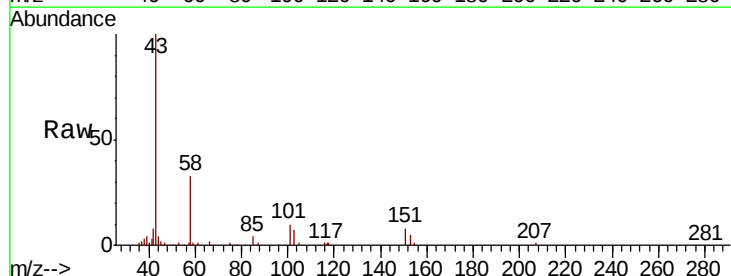
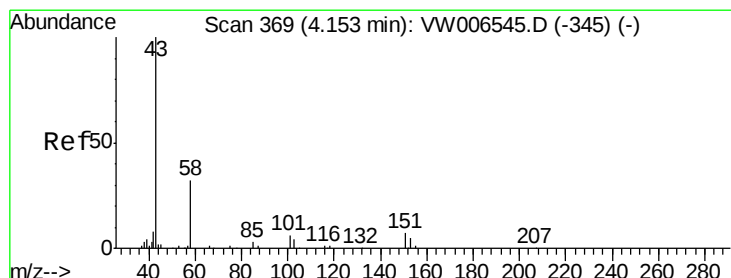
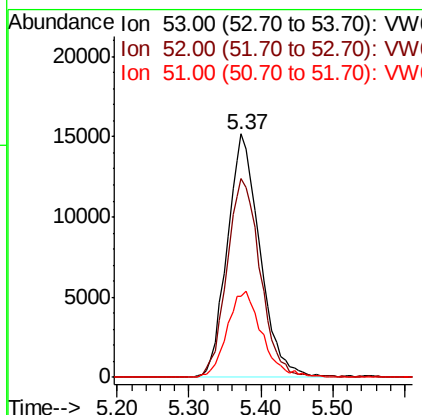
#15
Acrylonitrile
Concen: 99.735 ug/l
RT: 5.37 min Scan# 569
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tot Ion:	53	Resp:	47877
Ion Ratio	Lower	Upper	
53	100		
52	83.3	65.8	98.8
51	37.7	29.6	44.4

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

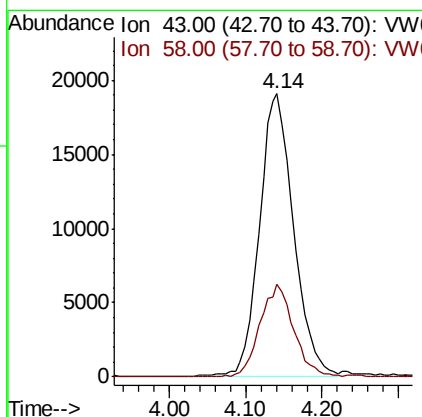
Manual Integrations
APPROVED

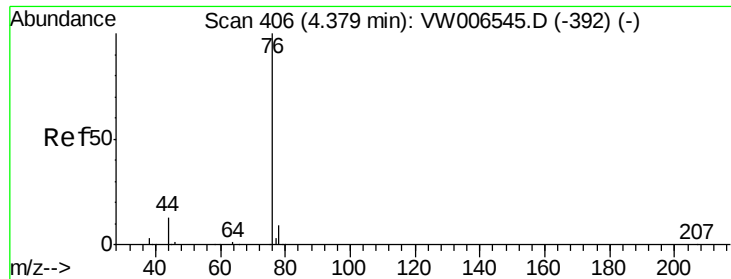
MMDadoda
11/9/2018 1:37:38 PM



#16
Acetone
Concen: 138.433 ug/l
RT: 4.14 min Scan# 367
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion:	43	Resp:	59495
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.8	38.8





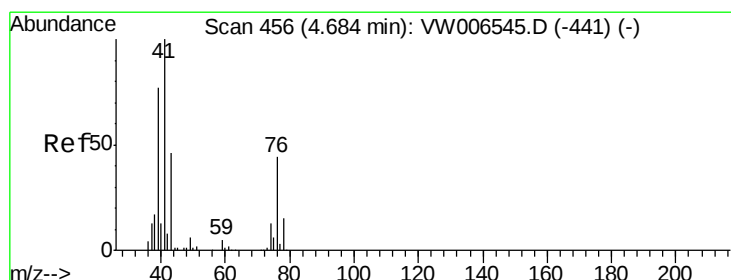
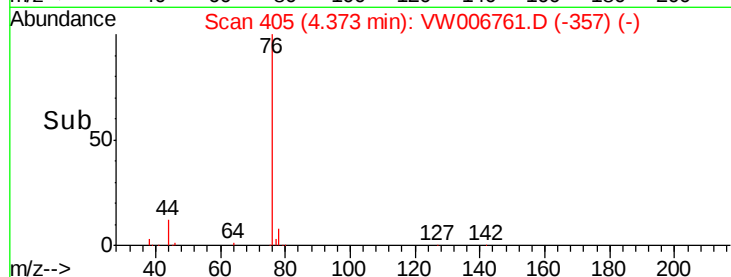
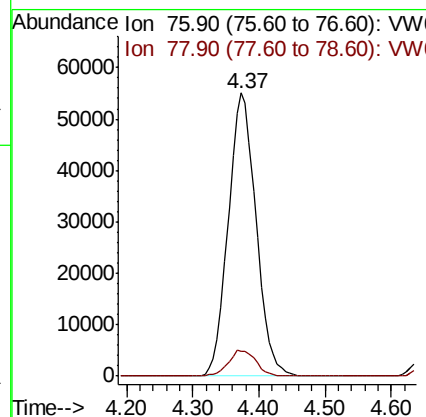
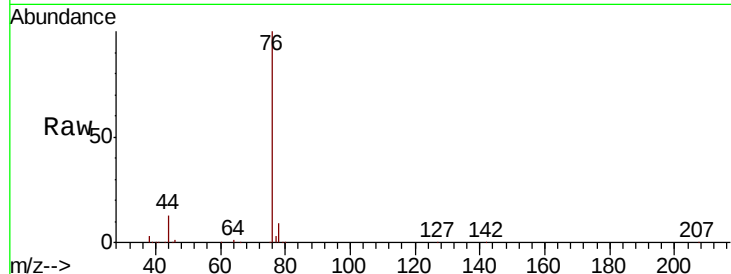
#17
Carbon Disulfide
Concen: 22.302 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

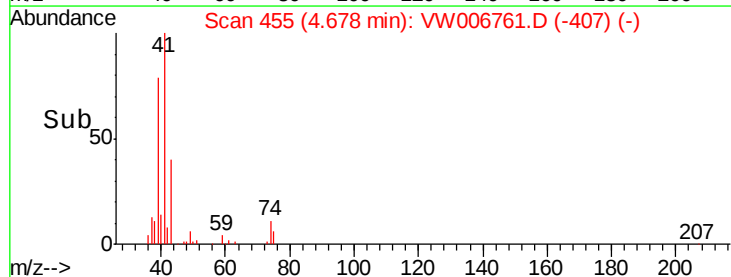
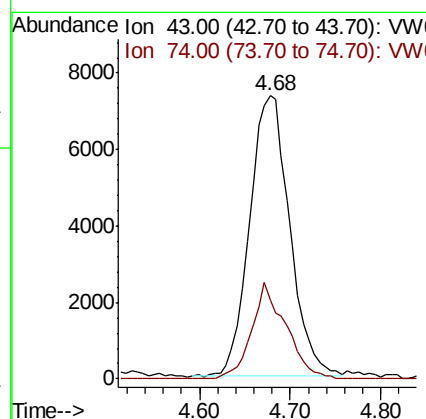
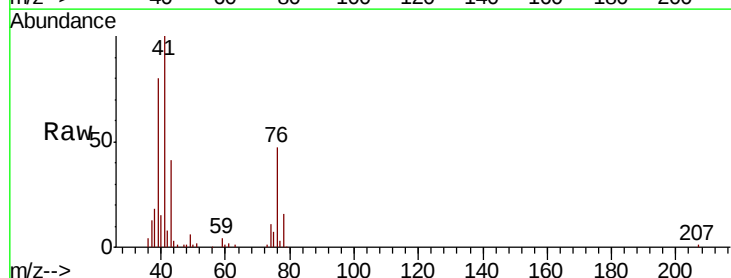
Manual Integrations
APPROVED

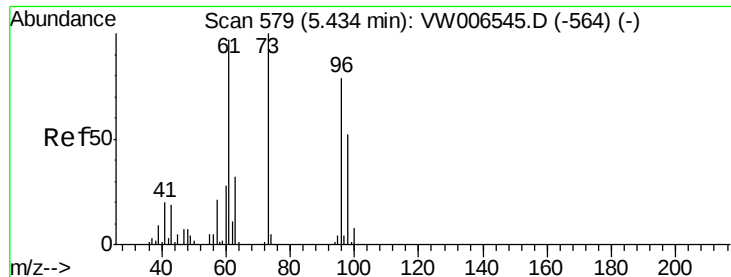
MMDadoda
11/9/2018 1:37:38 PM



#18
Methyl Acetate
Concen: 18.159 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.3	21.9	32.9





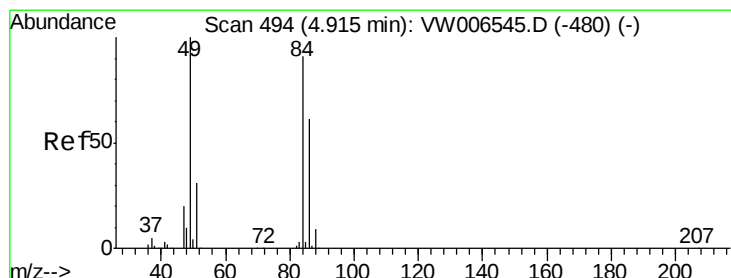
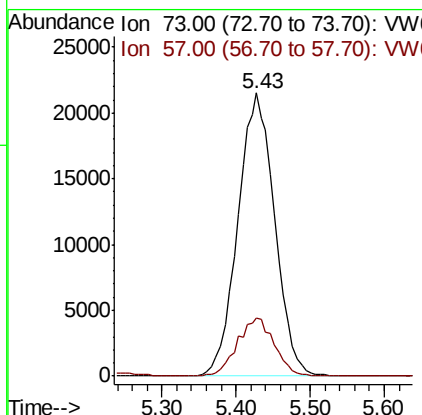
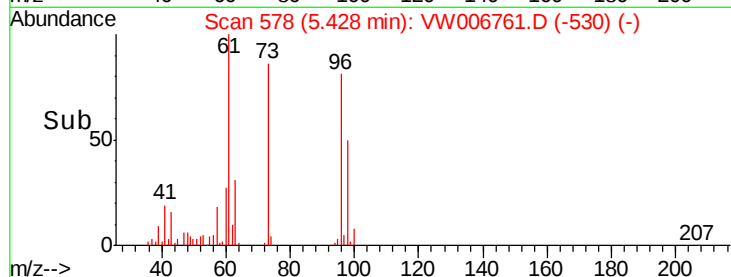
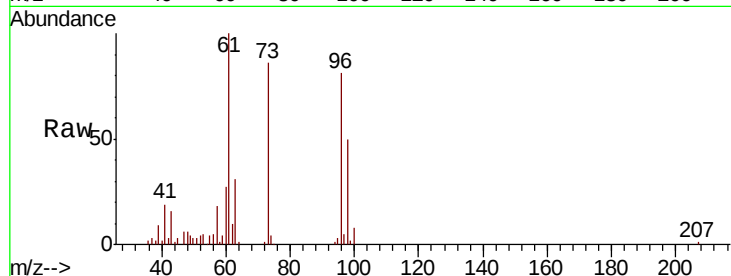
#19
Methyl tert-butyl Ether
Concen: 19.769 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion: 73 Resp: 74329
Ion Ratio Lower Upper
73 100
57 20.5 16.7 25.1

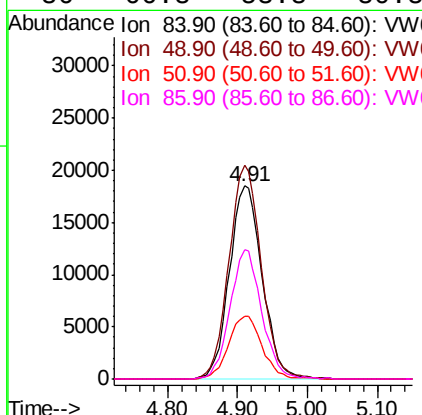
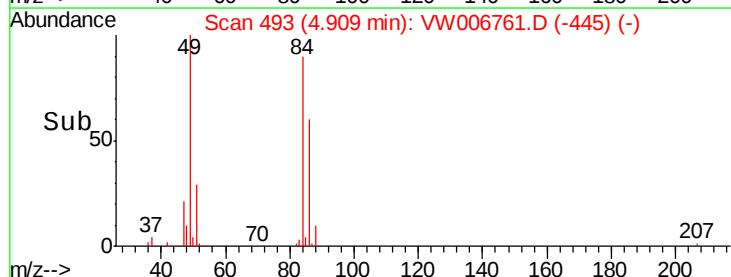
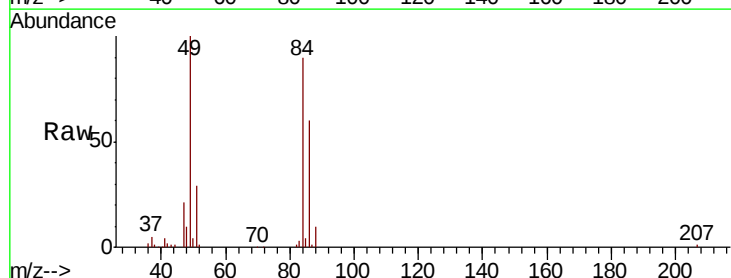
Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#20
Methylene Chloride
Concen: 17.774 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion: 84 Resp: 60228
Ion Ratio Lower Upper
84 100
49 110.6 88.2 132.4
51 32.6 27.0 40.6
86 66.8 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 21.387 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

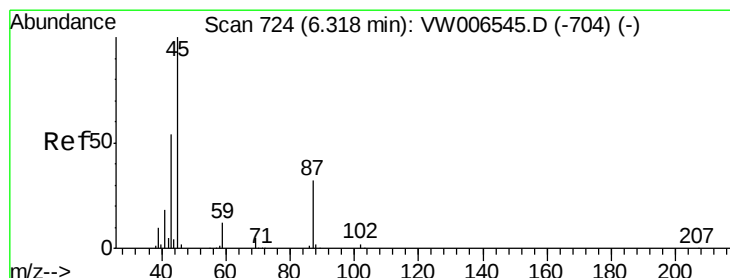
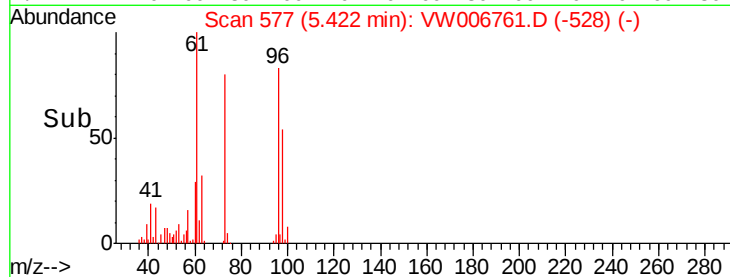
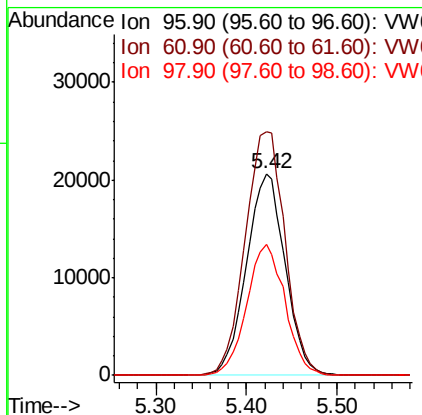
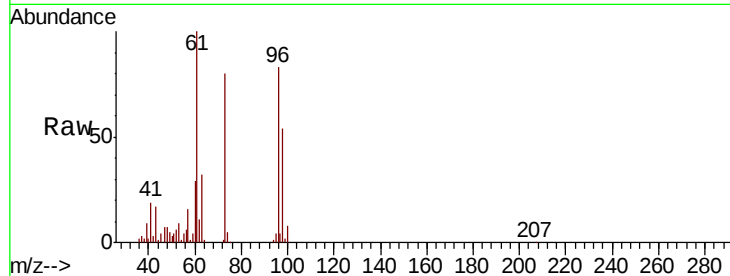
ClientSampleId :

VW1108SBS01

Tot Ion:	96	Resp:	61130
Ion	Ratio	Lower	Upper
96	100		
61	120.9	100.6	150.8
98	64.9	52.9	79.3

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#22

Diisopropyl ether

Concen: 20.879 ug/l

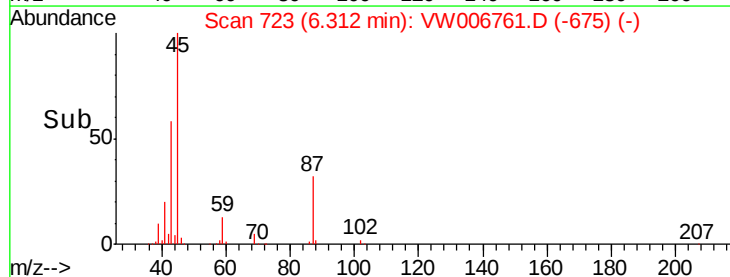
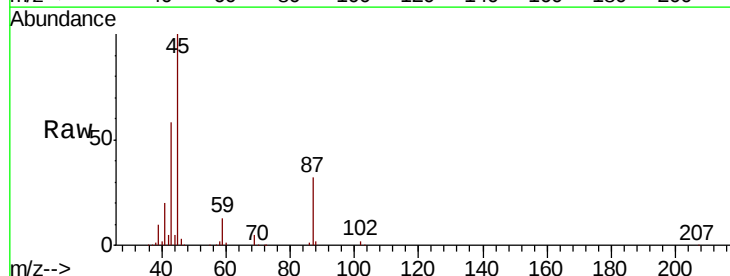
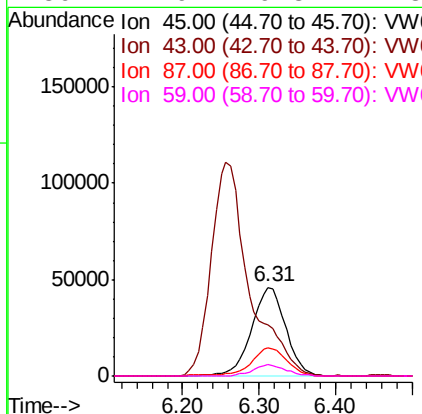
RT: 6.31 min Scan# 723

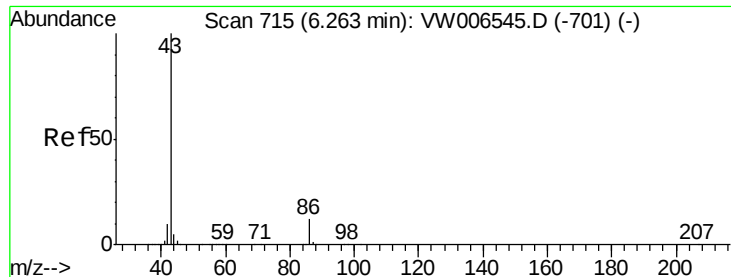
Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Tgt Ion:	45	Resp:	143521
Ion	Ratio	Lower	Upper
45	100		
43	56.8	43.6	65.4
87	31.7	26.3	39.5
59	12.9	9.8	14.8





#23

Vinyl Acetate

Concen: 100.371 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 43 Resp: 382604

Ion Ratio Lower Upper

43 100

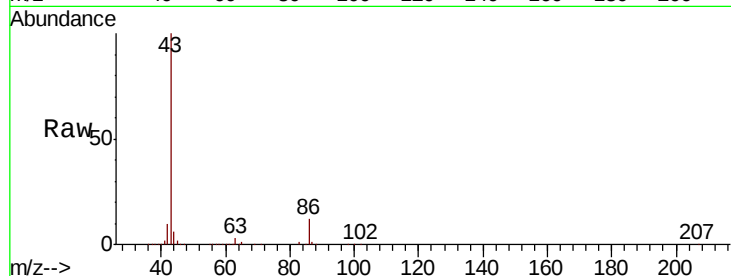
86 12.3 9.8 14.8

Manual Integrations

APPROVED

MMDadoda

11/9/2018 1:37:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

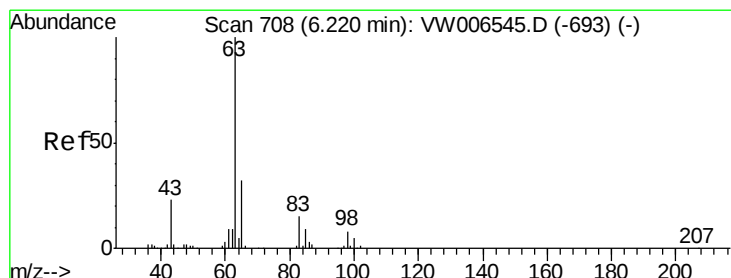
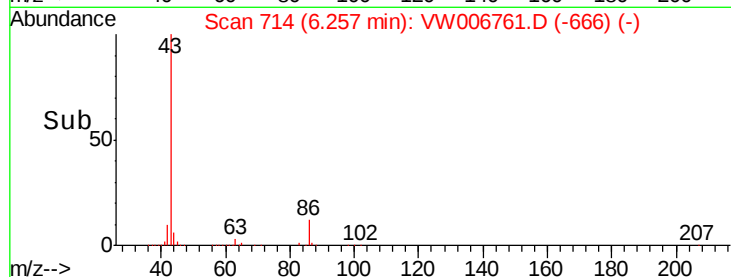
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.079 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

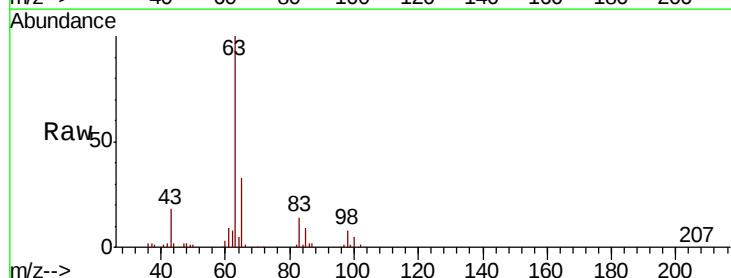
Tgt Ion: 63 Resp: 98201

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.4

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

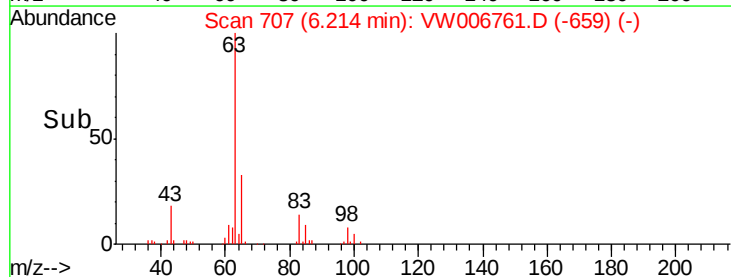
30000

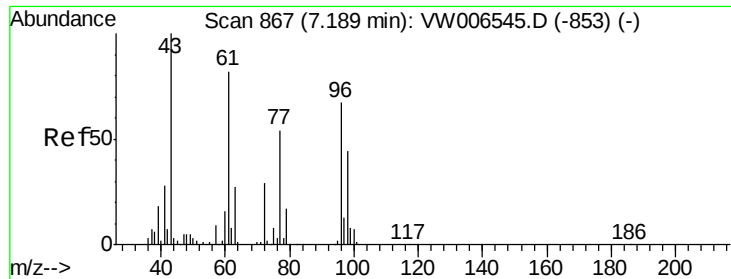
20000

10000

0

Time-->





#25

2-Butanone

Concen: 113.312 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 43 Resp: 69491

Ion Ratio Lower Upper

43 100

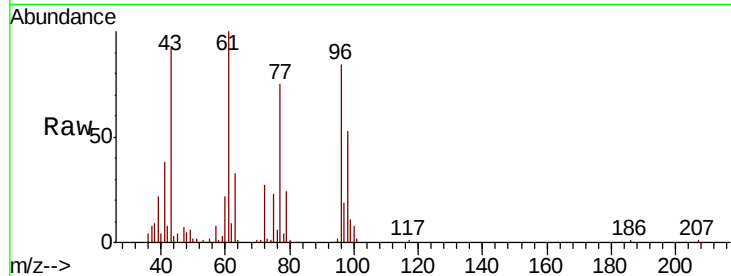
72 29.0 23.2 34.8

Manual Integrations

APPROVED

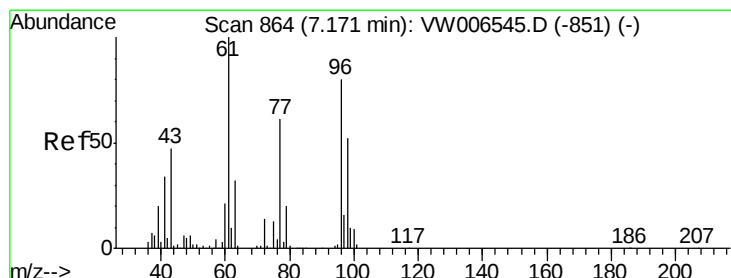
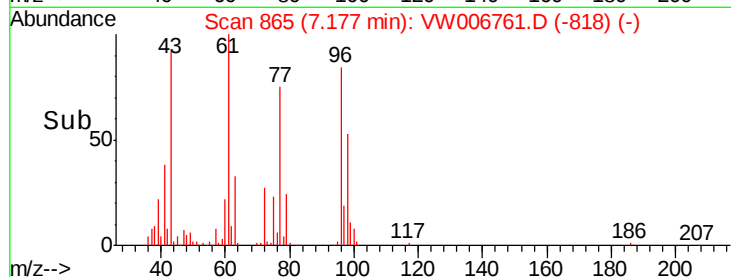
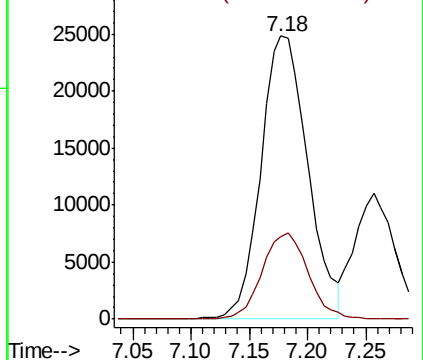
MMDadoda

11/9/2018 1:37:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 24.725 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006761.D

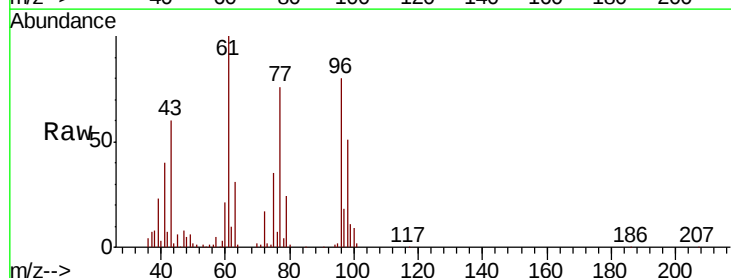
Acq: 08 Nov 2018 13:14

Tgt Ion: 77 Resp: 69387

Ion Ratio Lower Upper

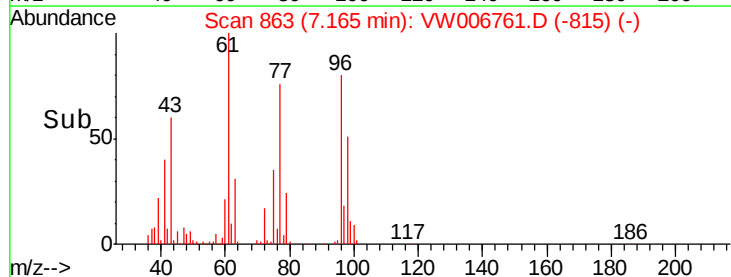
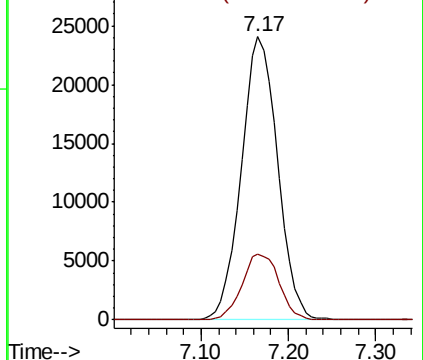
77 100

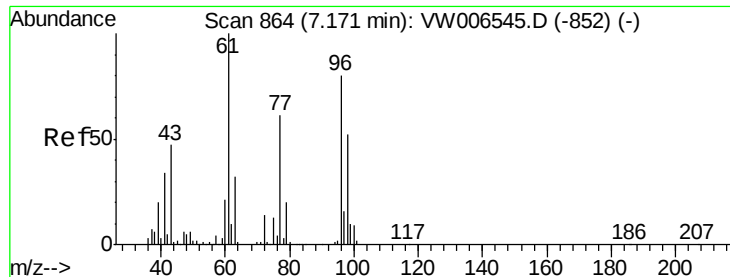
97 23.7 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

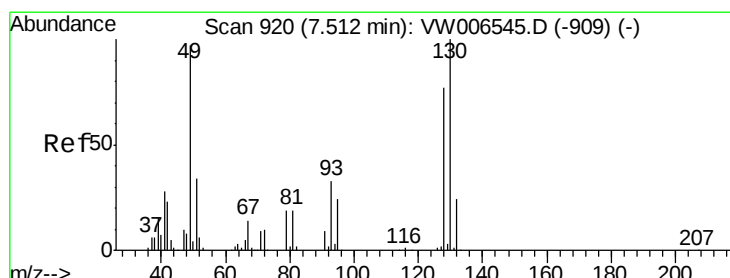
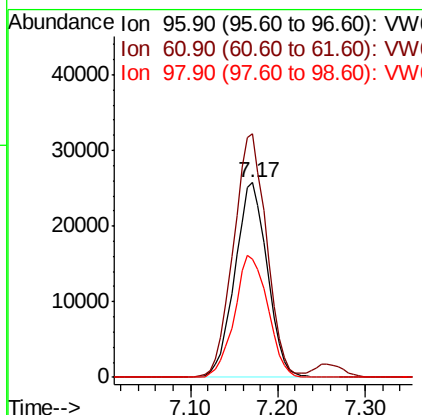
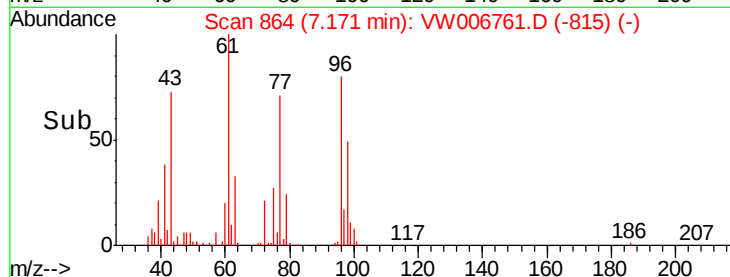
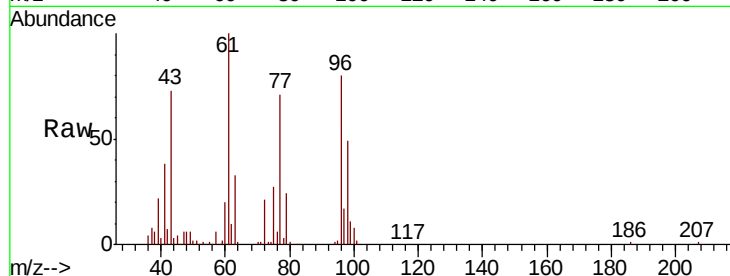
cis-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	254.2
98	64.4	0.0	129.6

Manual Integrations
APPROVED

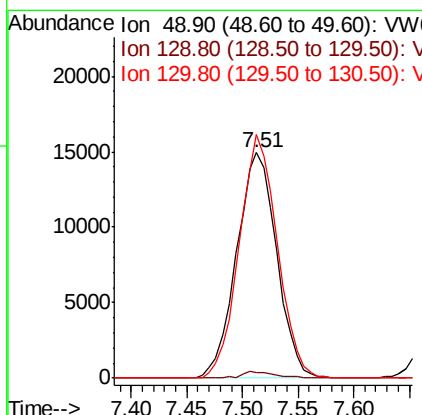
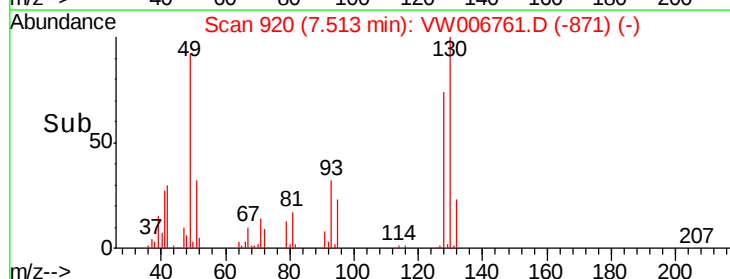
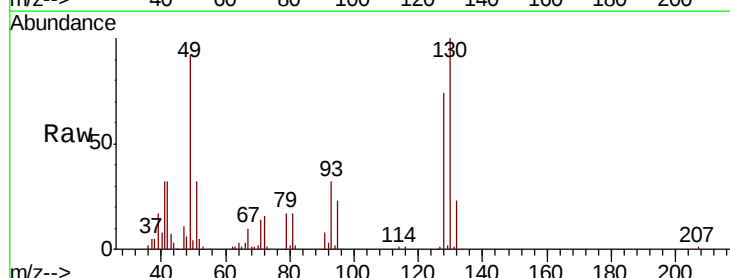
MMDadoda
11/9/2018 1:37:38 PM

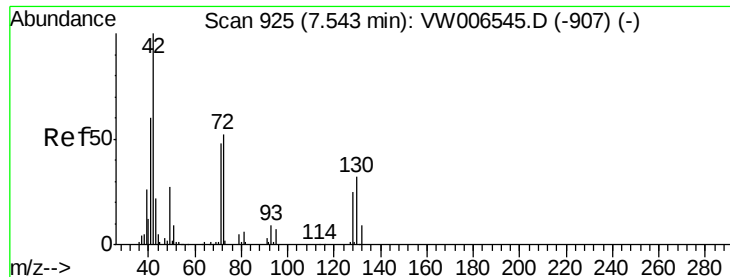


#28

Bromochloromethane
Concen: 20.216 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.6
130	102.6	82.2	123.2





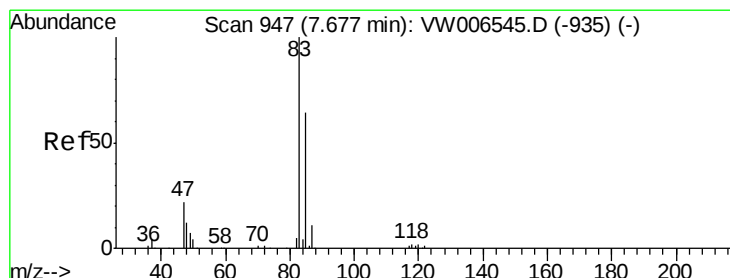
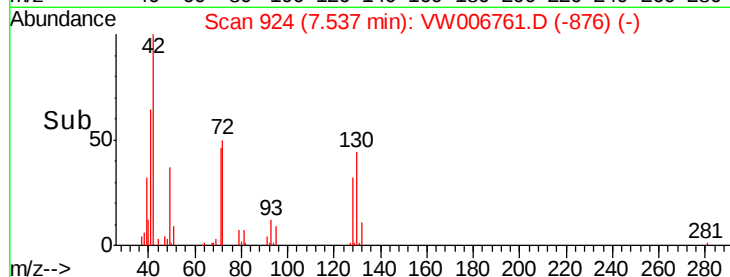
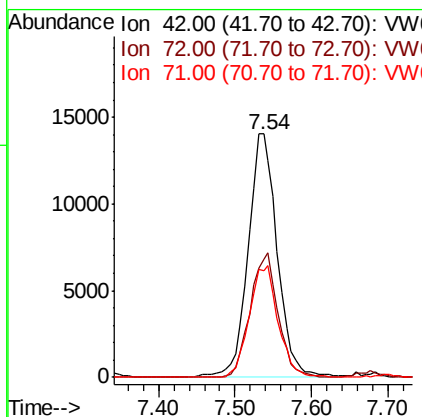
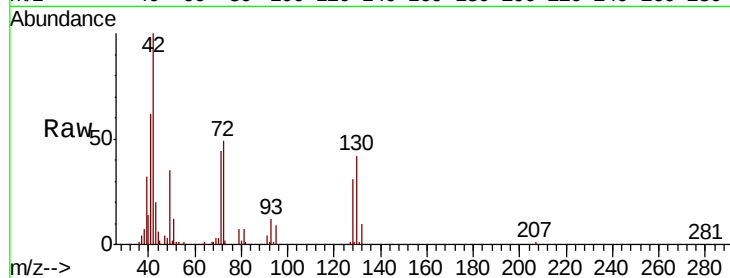
#29
Tetrahydrofuran
Concen: 96.468 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.0	39.2	58.8
71	45.4	37.6	56.4

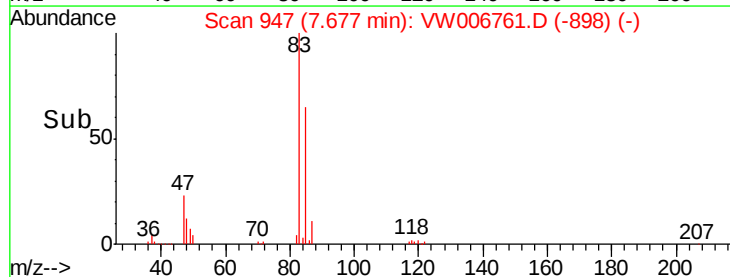
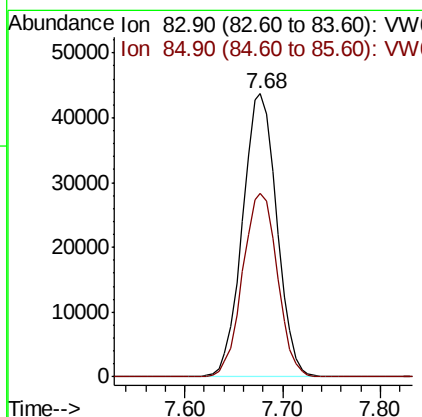
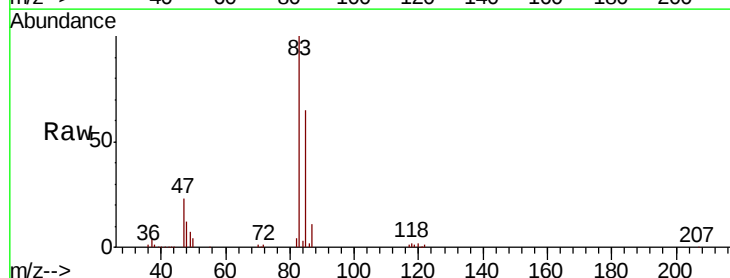
Manual Integrations
APPROVED

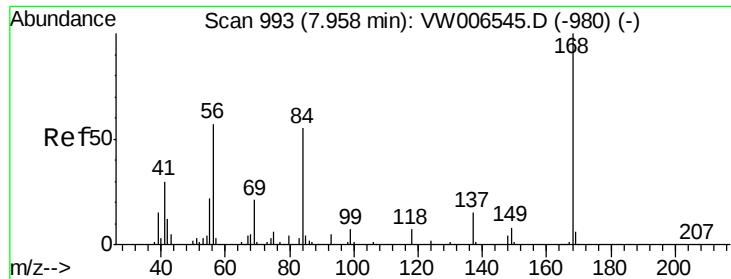
MMDadoda
11/9/2018 1:37:38 PM



#30
Chloroform
Concen: 20.867 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9





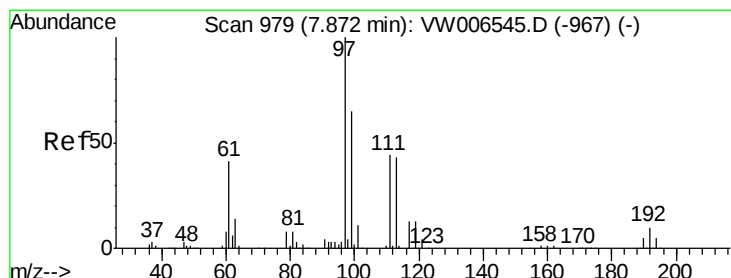
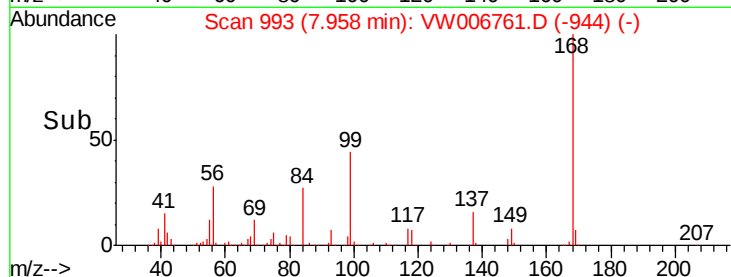
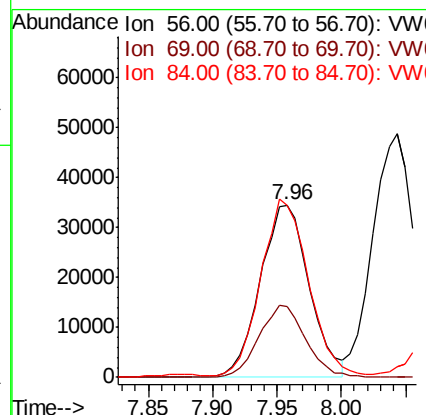
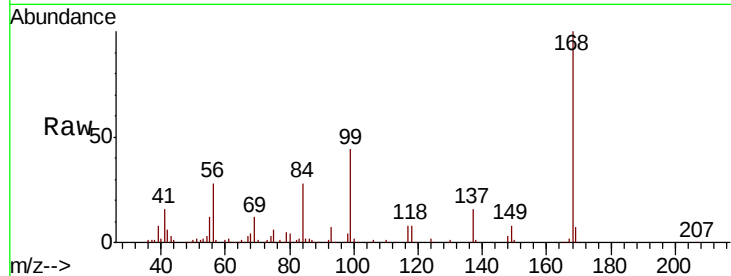
#31
Cyclohexane
Concen: 21.522 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.3	29.0	43.4
84	98.3	77.8	116.6

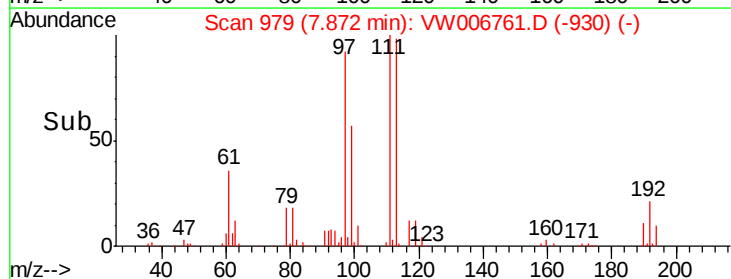
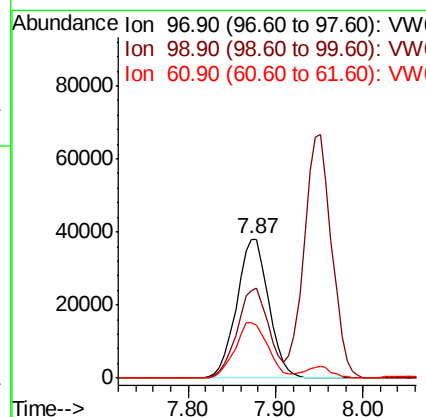
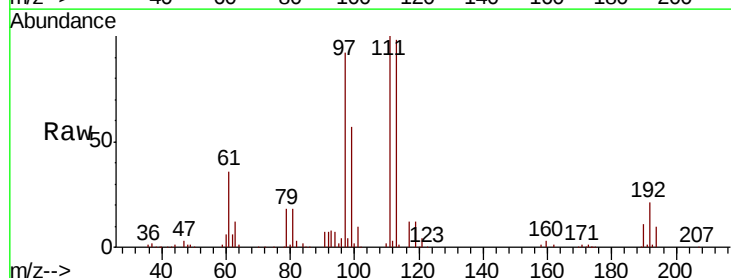
Manual Integrations
APPROVED

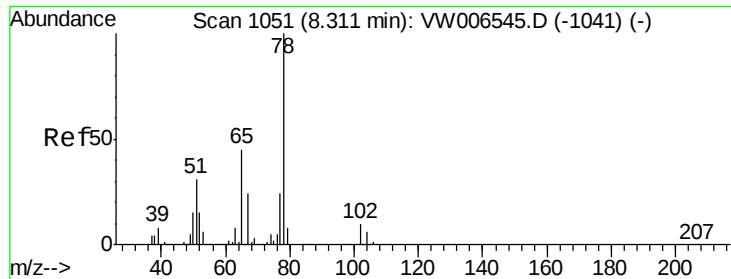
MMDadoda
11/9/2018 1:37:38 PM



#32
1,1,1-Trichloroethane
Concen: 22.414 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	41.1	32.9	49.3





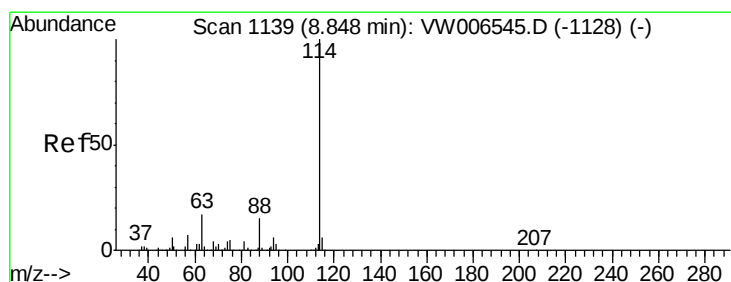
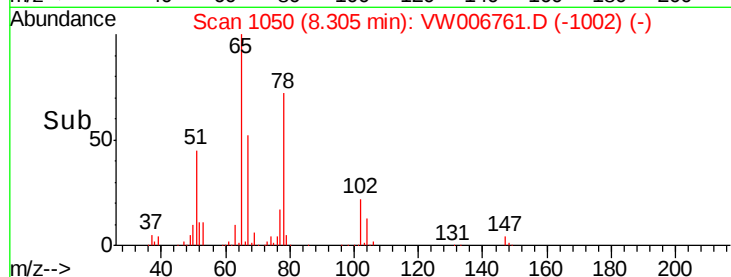
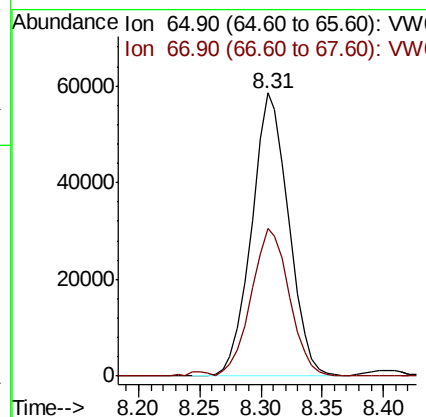
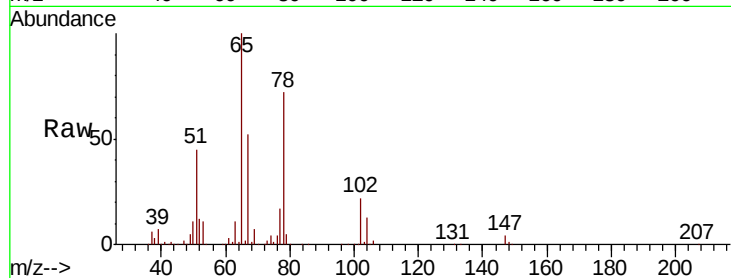
#33
 1,2-Dichloroethane-d4
 Concen: 46.304 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123260		
67	53.5	0.0	104.4	

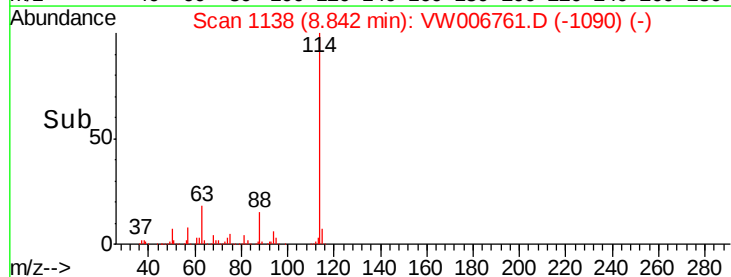
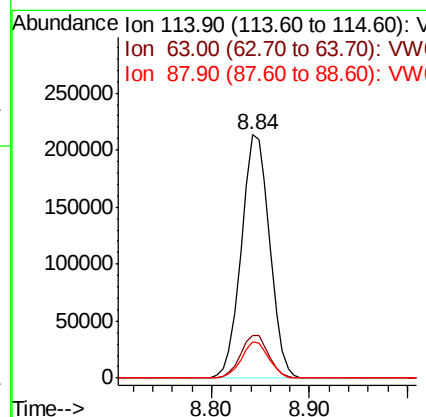
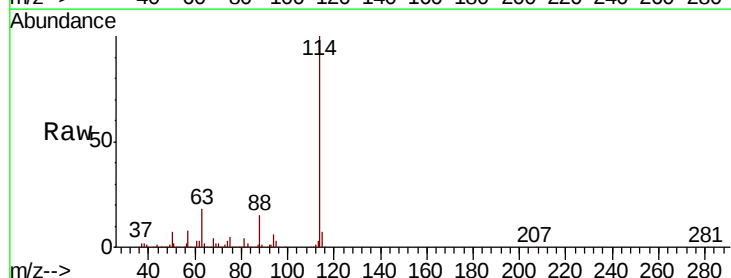
Manual Integrations
 APPROVED

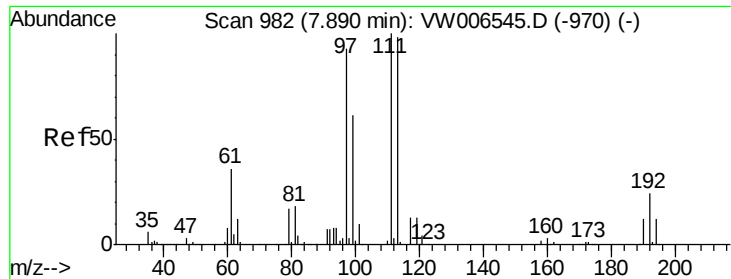
MMDadoda
 11/9/2018 1:37:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	427543		
63	17.5	0.0	34.4	
88	14.8	0.0	29.0	





#35

Dibromofluoromethane

Concen: 50.730 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

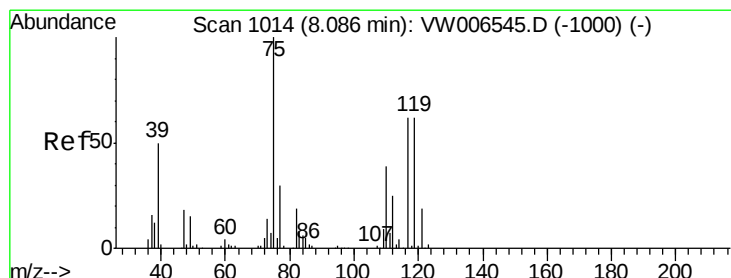
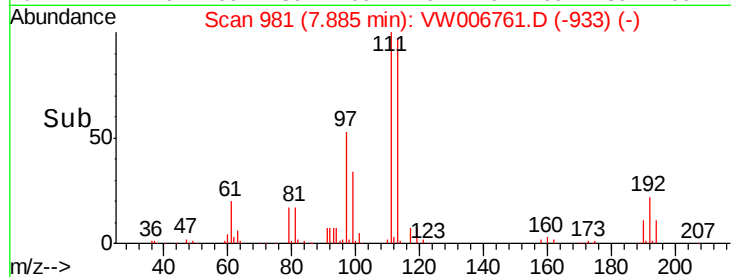
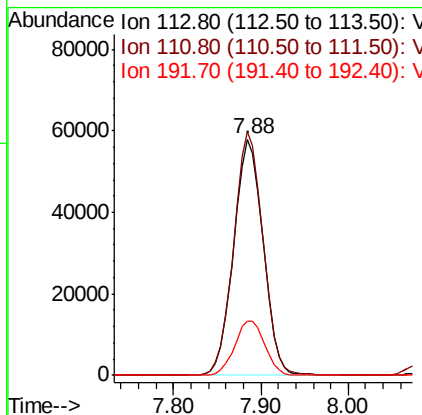
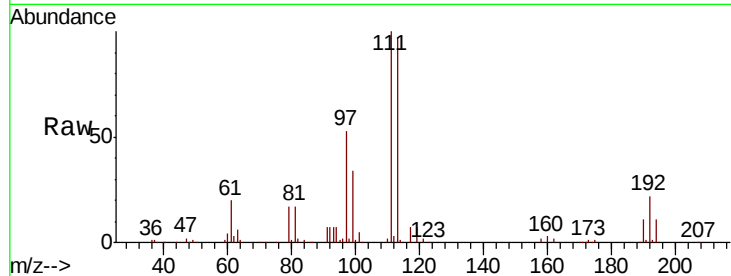
ClientSampleId :

VW1108SBS01

Tot Ion:	113	Resp:	136118
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.2	123.2
192	23.6	19.0	28.6

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#36

1,1-Dichloropropene

Concen: 22.533 ug/l

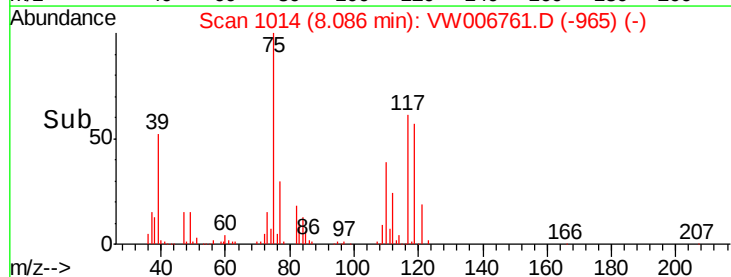
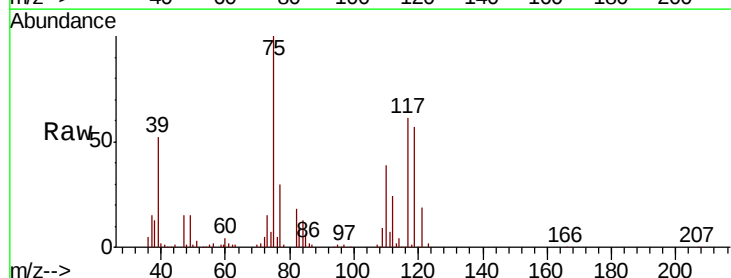
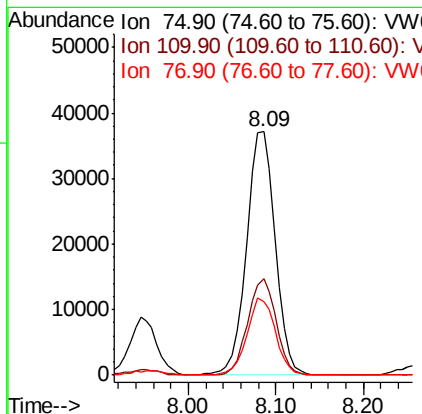
RT: 8.09 min Scan# 1014

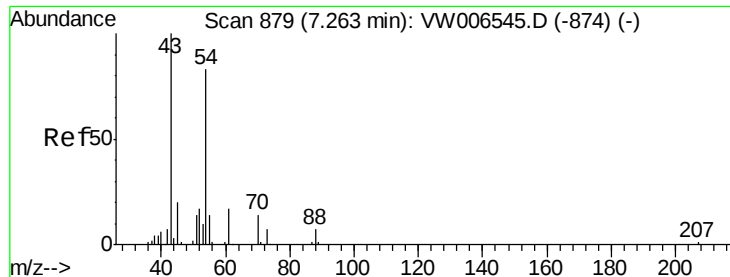
Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Tgt Ion:	75	Resp:	84719
Ion Ratio	Lower	Upper	
75	100		
110	39.0	19.5	58.5
77	31.3	24.6	37.0





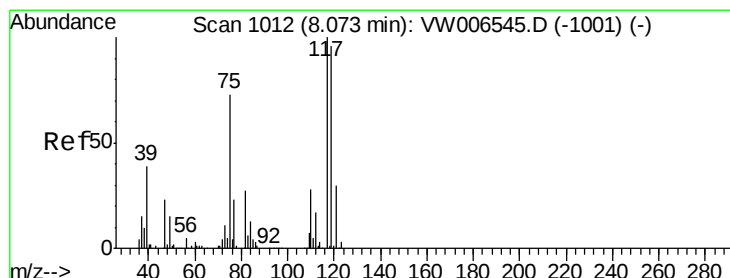
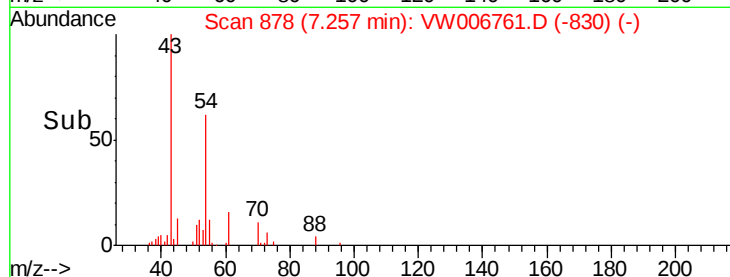
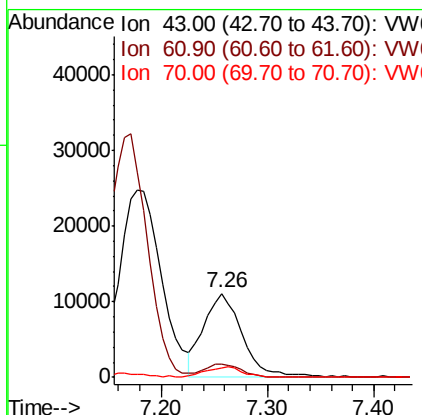
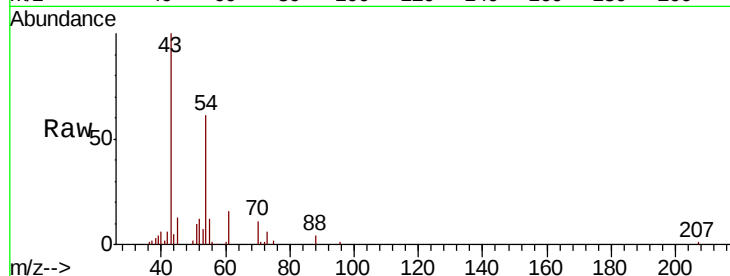
#37
Ethyl Acetate
Concen: 20.936 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.1	18.1
70	12.0	9.8	14.6

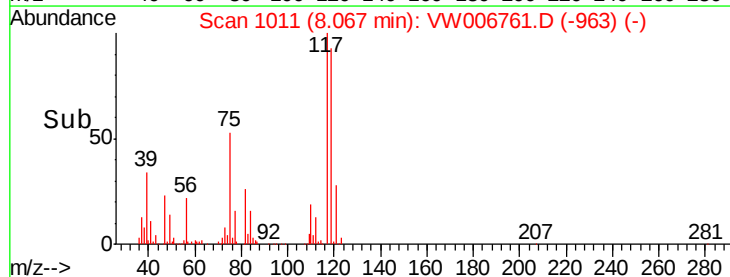
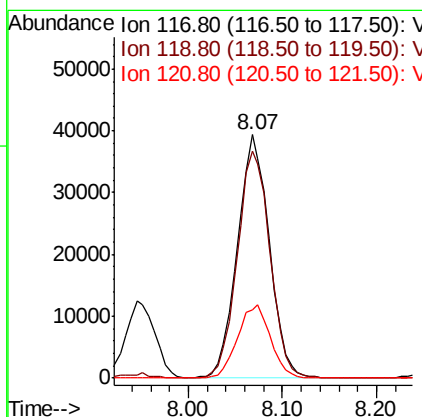
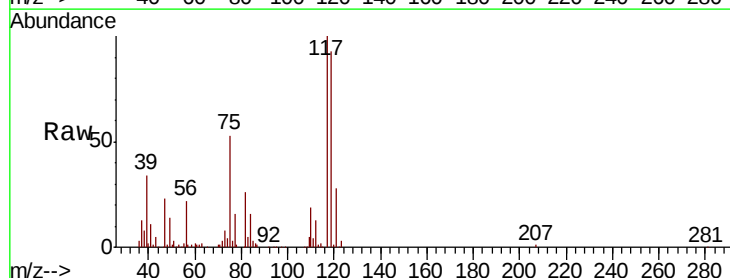
Manual Integrations
APPROVED

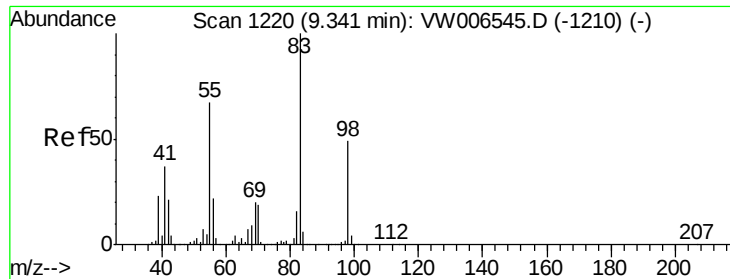
MMDadoda
11/9/2018 1:37:38 PM



#38
Carbon Tetrachloride
Concen: 23.694 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.3	114.5
121	28.1	24.1	36.1





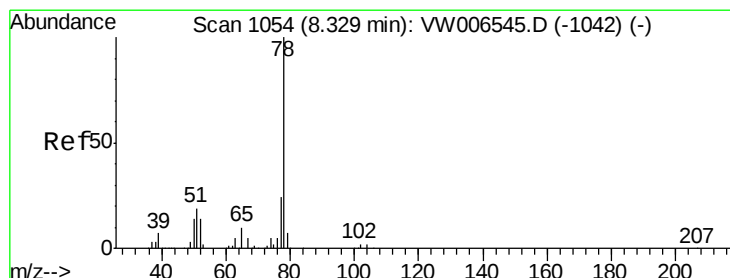
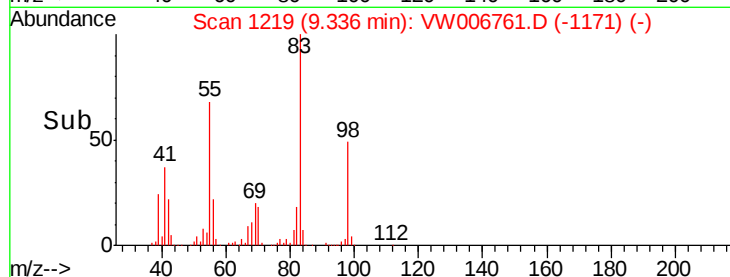
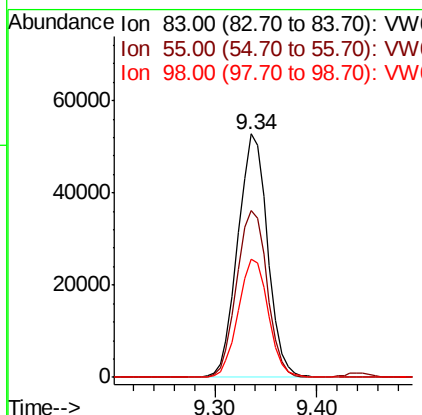
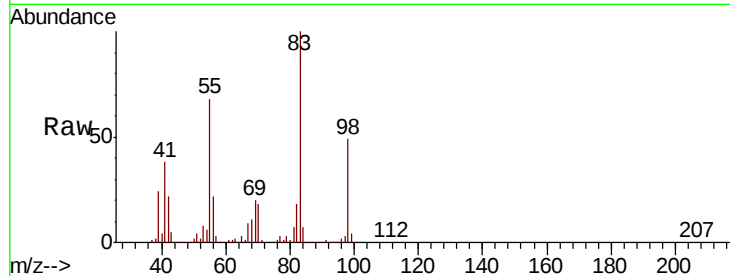
#39
Methvlcvclohexane
Concen: 22.410 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	68.3		53.7	80.5
98	48.7		39.2	58.8

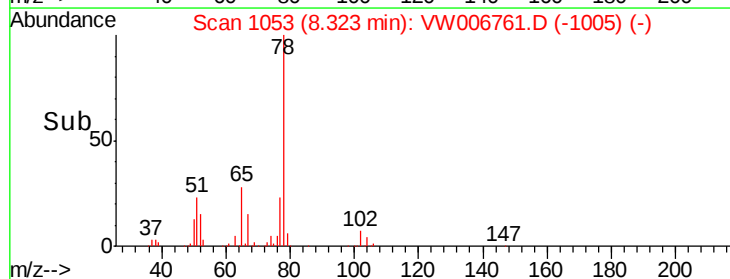
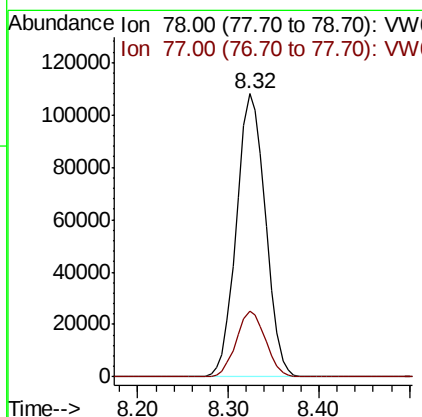
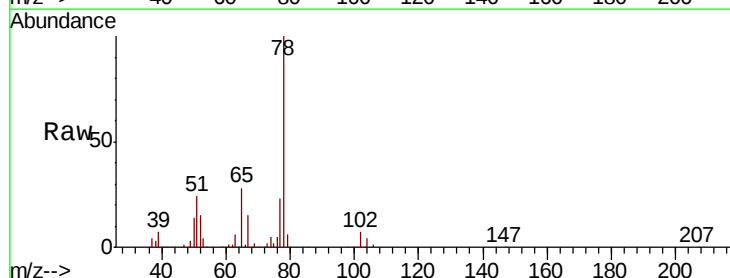
Manual Integrations
APPROVED

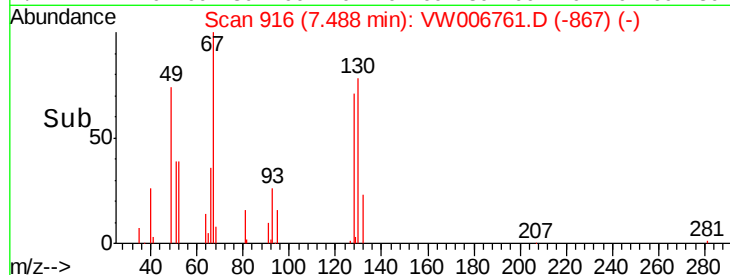
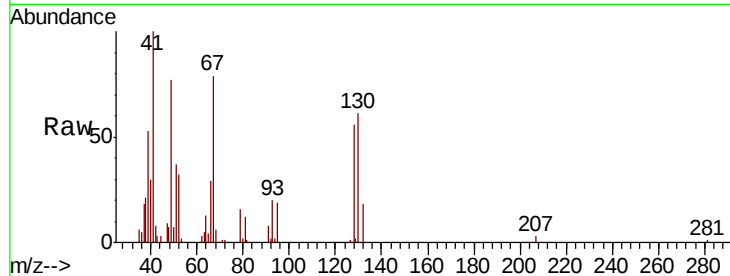
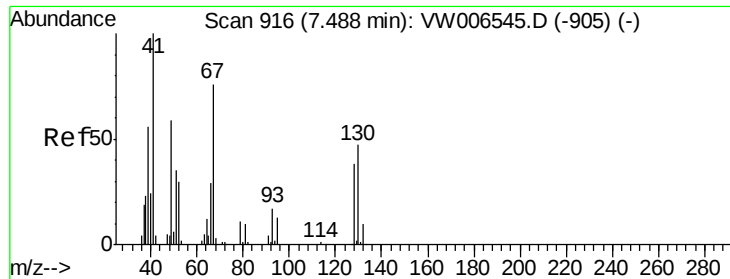
MMDadoda
11/9/2018 1:37:38 PM



#40
Benzene
Concen: 22.433 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

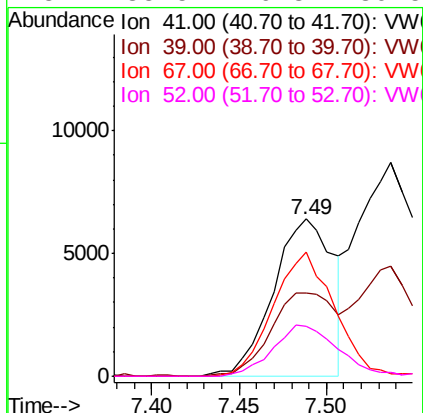
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3		19.2	28.8





#41
Methacrylonitrile
Concen: 19.182 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

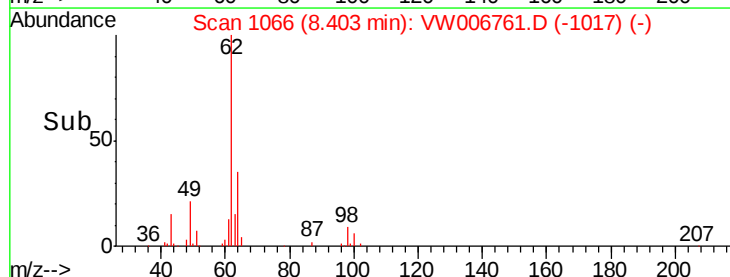
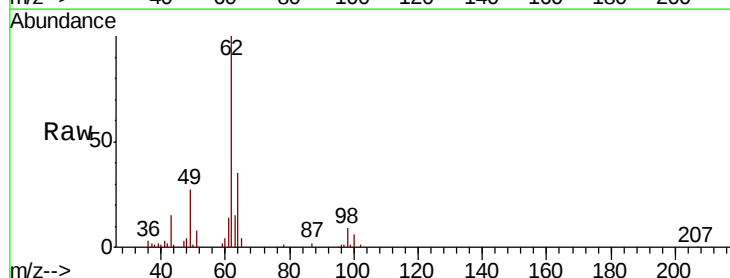
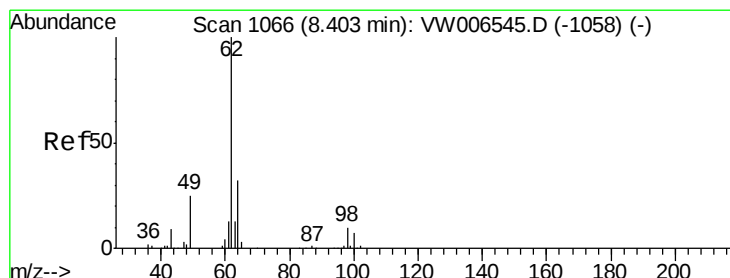
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.5	66.7
67	80.6	63.8	95.8
52	35.5	26.3	39.5



Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

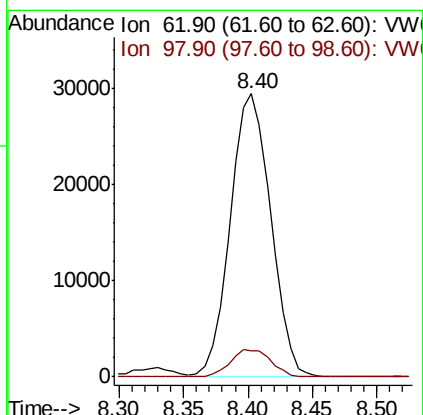
Manual Integrations
APPROVED

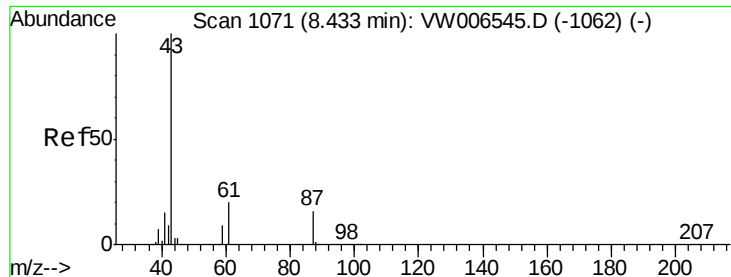
MMDadoda
11/9/2018 1:37:38 PM



#42
1,2-Dichloroethane
Concen: 21.034 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 19.985 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

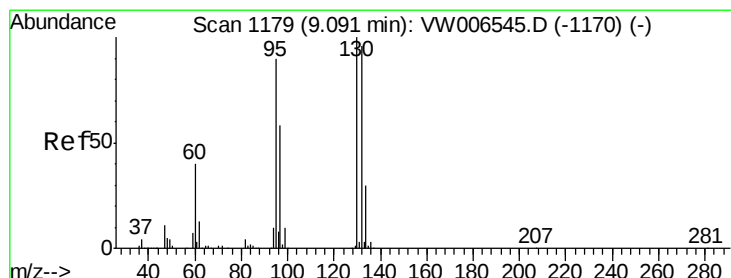
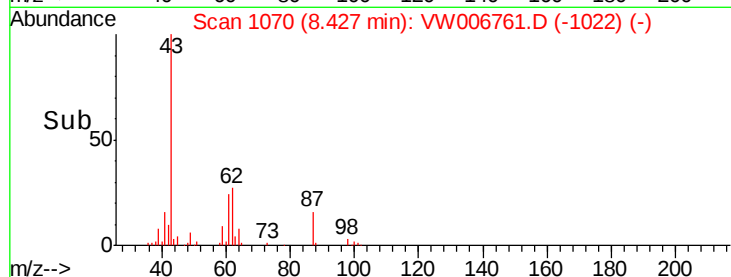
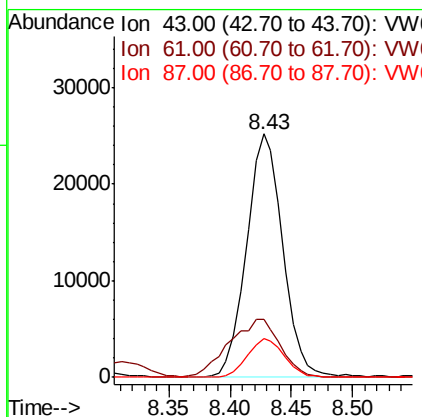
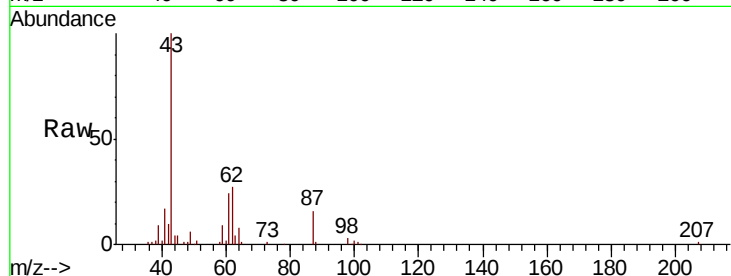
ClientSampleId :

VW1108SBS01

Tot Ion:	43	Resp:	51960
Ion	Ratio	Lower	Upper
43	100		
61	33.7	27.2	40.8
87	16.1	12.9	19.3

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#44

Trichloroethene

Concen: 22.172 ug/l

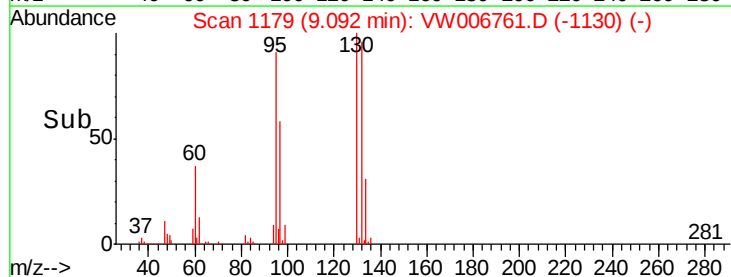
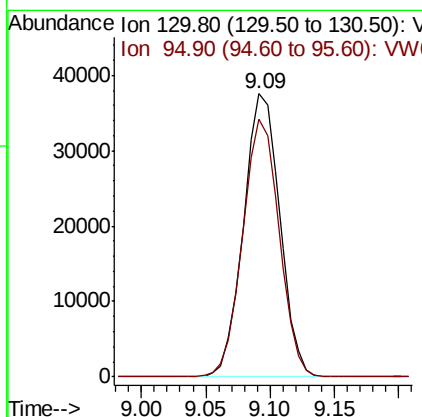
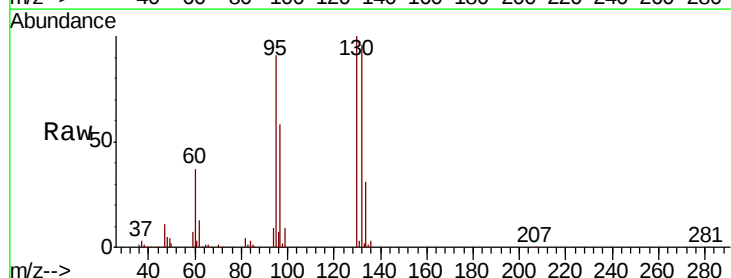
RT: 9.09 min Scan# 1179

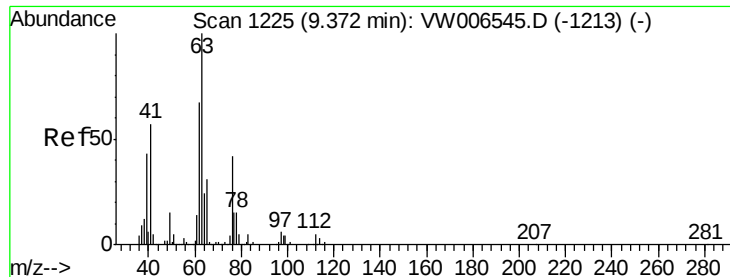
Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Tgt Ion:	130	Resp:	73068
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	179.2





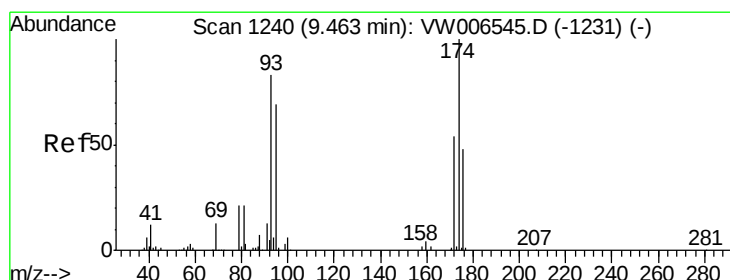
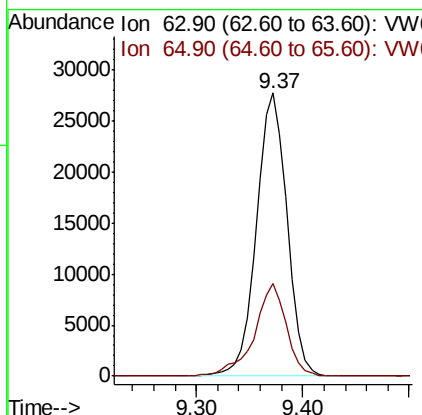
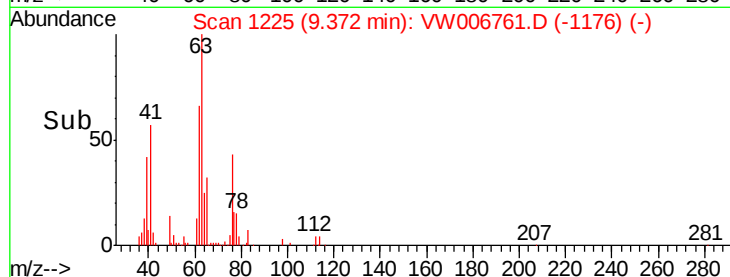
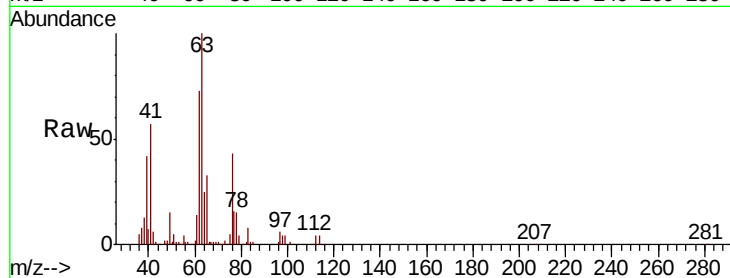
#45
 1,2-Dichloropropane
 Concen: 22.469 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.0	25.1	37.7

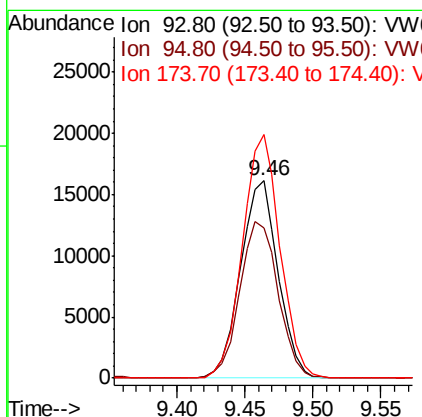
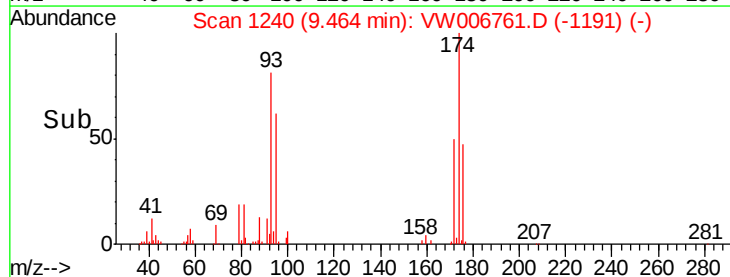
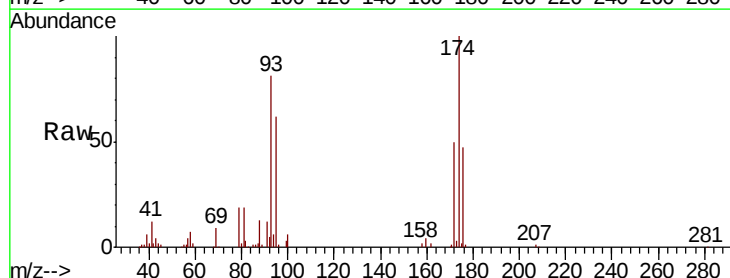
Manual Integrations
 APPROVED

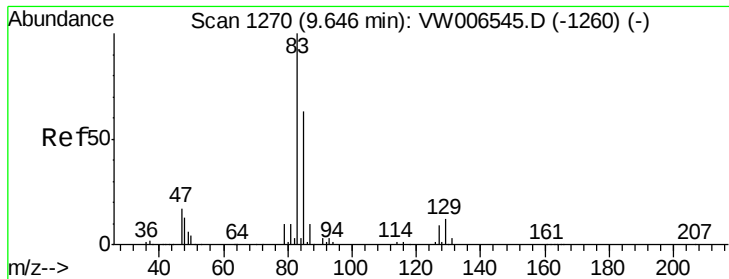
MMDadoda
 11/9/2018 1:37:38 PM



#46
 Dibromomethane
 Concen: 21.331 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	67.2	100.8
174	123.0	97.3	145.9





#47

Bromodichloromethane

Concen: 21.984 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

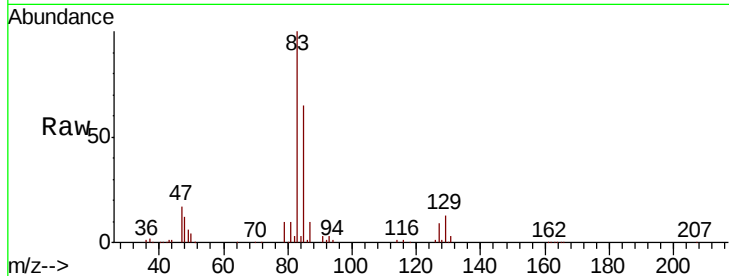
ClientSampleId :

VW1108SBS01

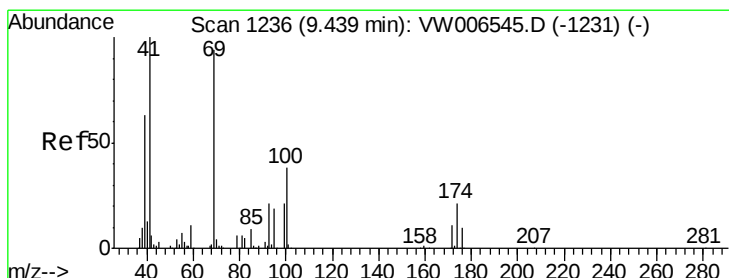
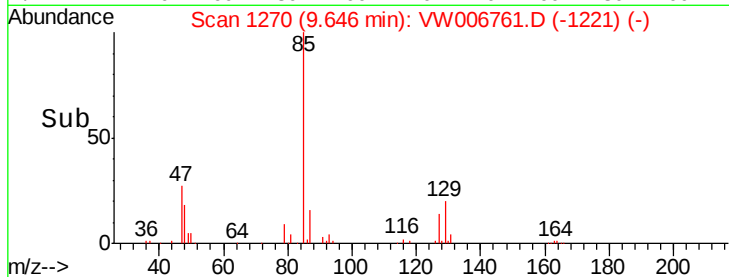
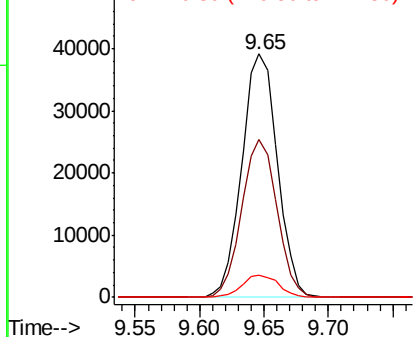
Tot Ion:	83	Resp:	74573
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	75.8
127	9.2	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 19.720 ug/l

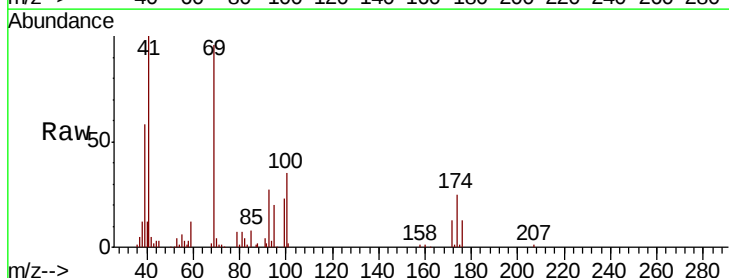
RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

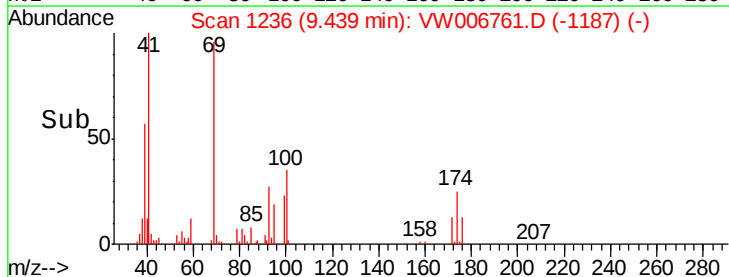
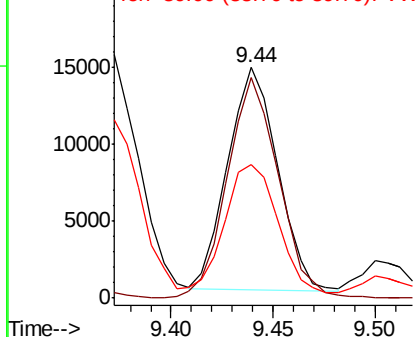
Lab File: VW006761.D

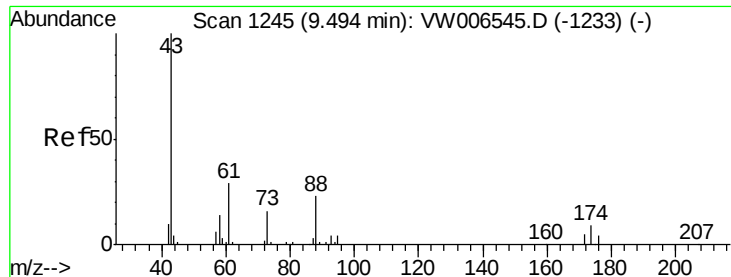
Acq: 08 Nov 2018 13:14

Tgt Ion:	41	Resp:	24703
Ion	Ratio	Lower	Upper
41	100		
69	101.4	77.8	116.8
39	61.2	48.7	73.1



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





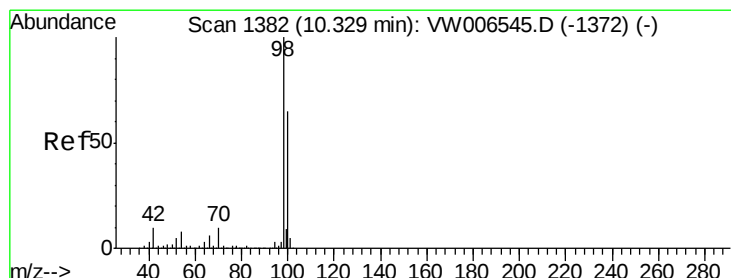
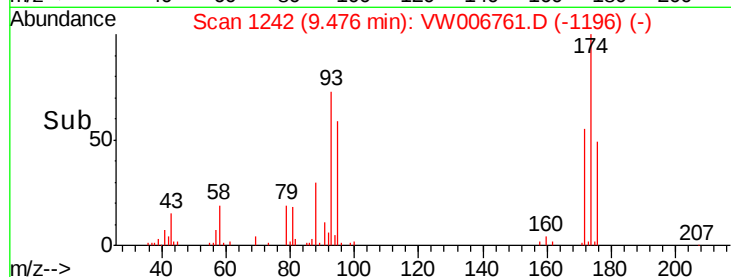
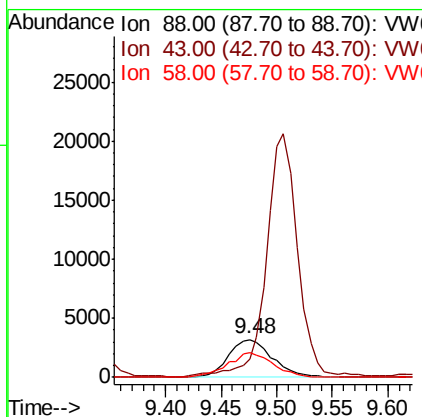
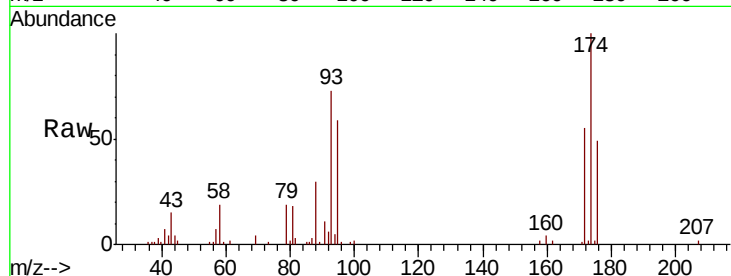
#49
1,4-Dioxane
Concen: 409.062 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.02 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	356.6	534.8#
58	68.1	51.4	77.2

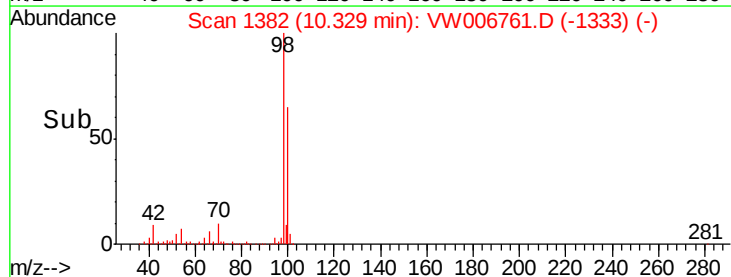
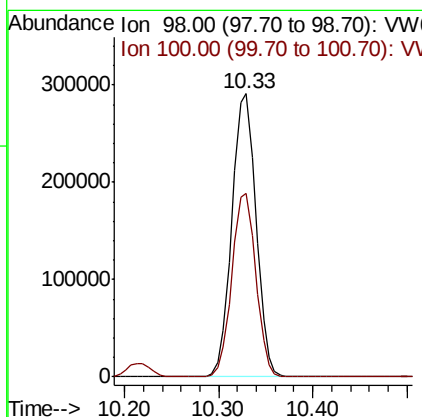
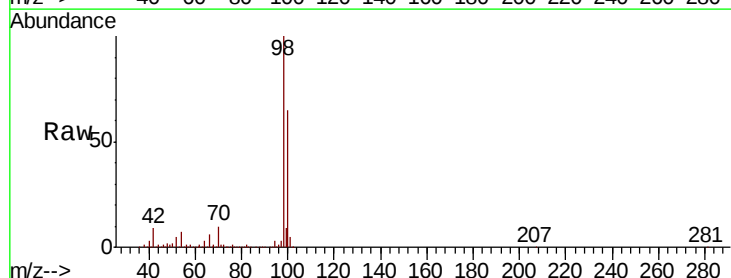
Manual Integrations
APPROVED

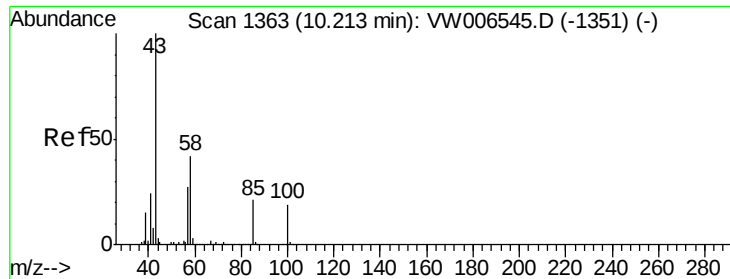
MMDadoda
11/9/2018 1:37:38 PM



#50
Toluene-d8
Concen: 50.827 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 102.258 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 43 Resp: 136547

Ion Ratio Lower Upper

43 100

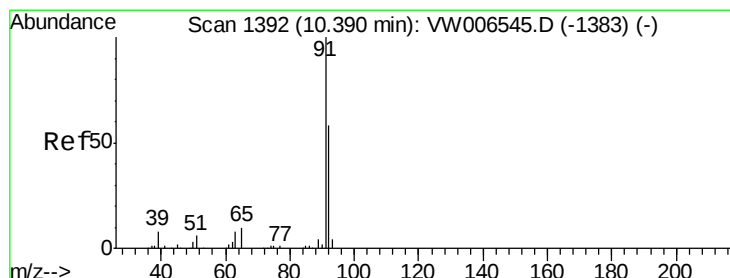
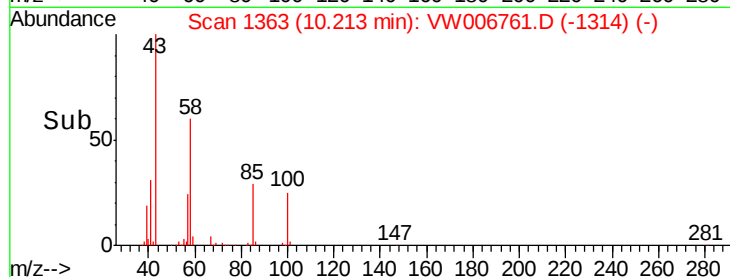
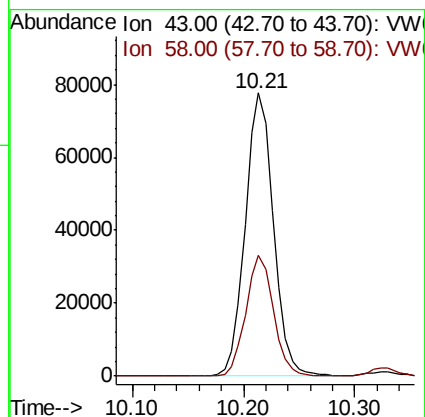
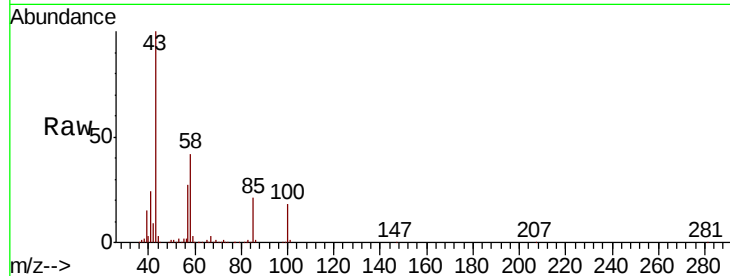
58 41.7 33.4 50.0

Manual Integrations

APPROVED

MMDadoda

11/9/2018 1:37:38 PM



#52

Toluene

Concen: 22.160 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006761.D

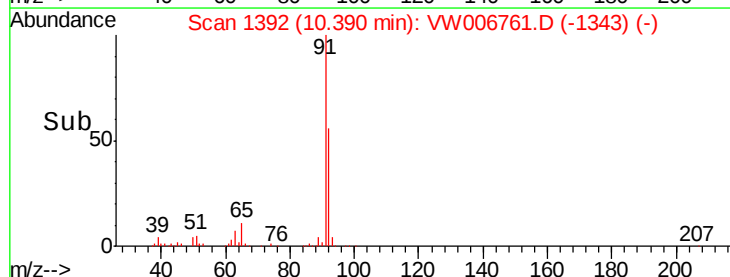
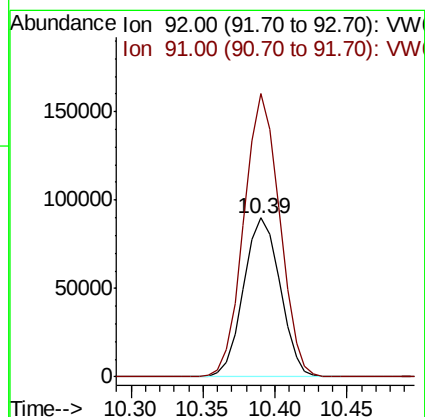
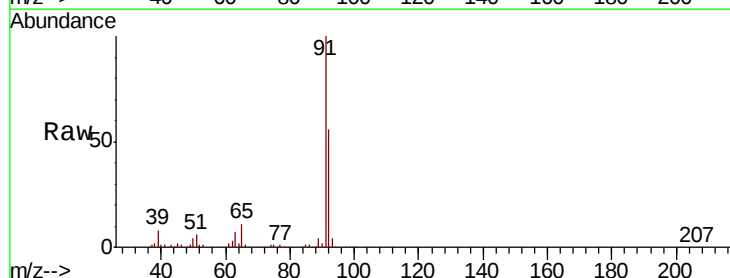
Acq: 08 Nov 2018 13:14

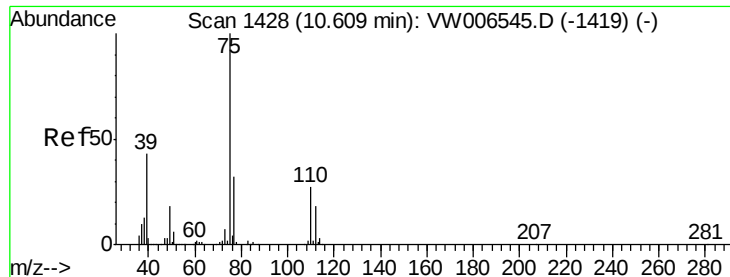
Tgt Ion: 92 Resp: 158725

Ion Ratio Lower Upper

92 100

91 173.8 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 21.781 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 75 Resp: 71107

Ion Ratio Lower Upper

75 100

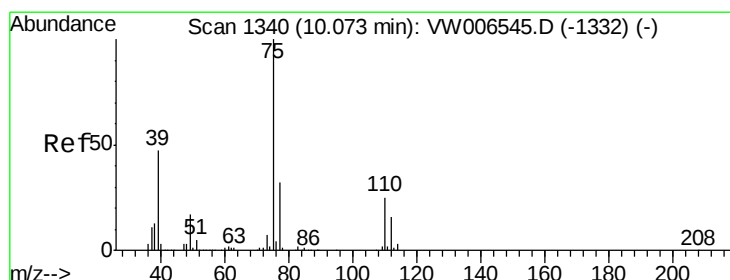
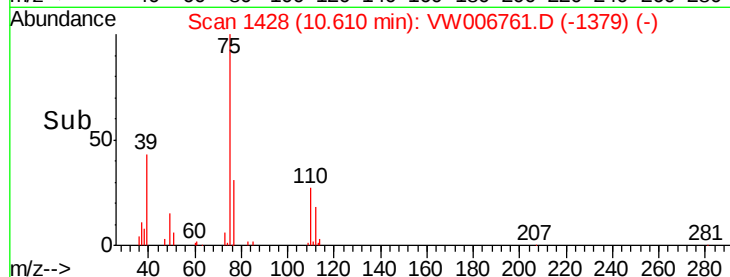
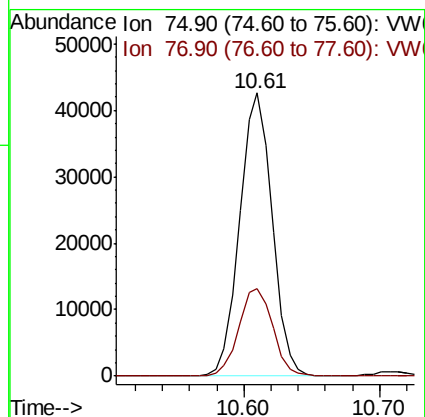
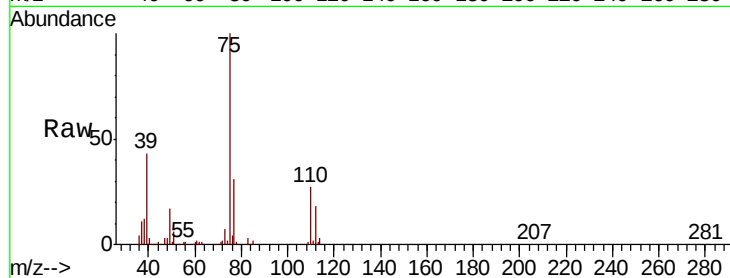
77 31.1 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

11/9/2018 1:37:38 PM



#54

cis-1,3-Dichloropropene

Concen: 21.848 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

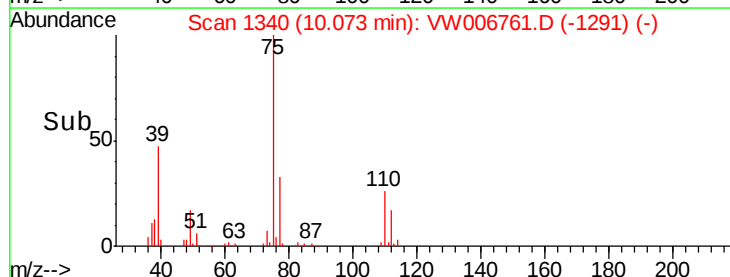
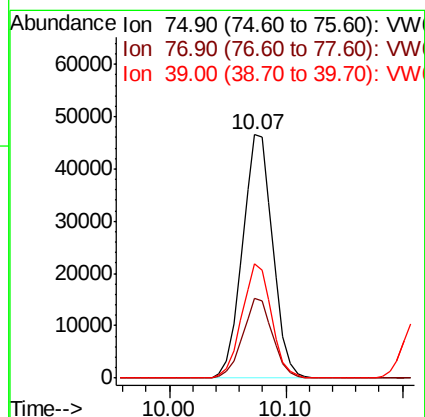
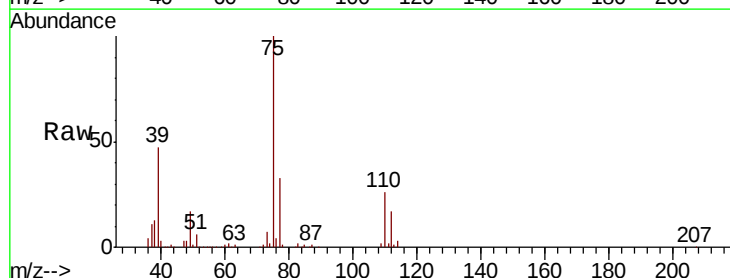
Tgt Ion: 75 Resp: 84286

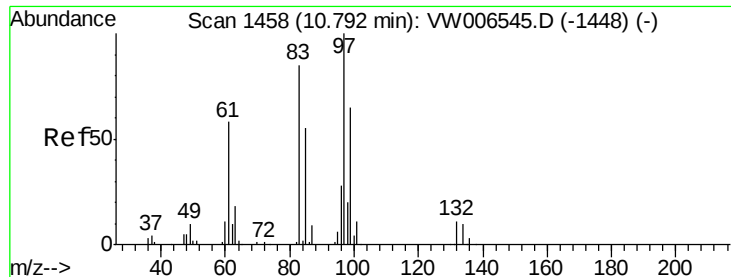
Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5

39 46.7 37.3 55.9





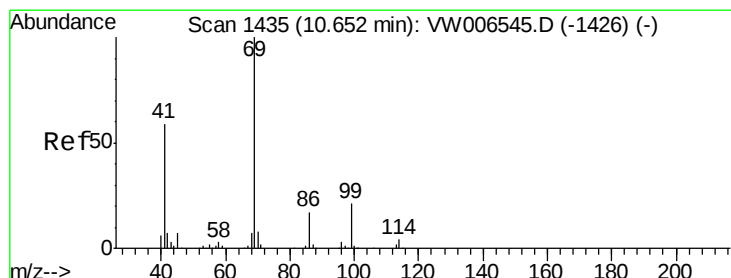
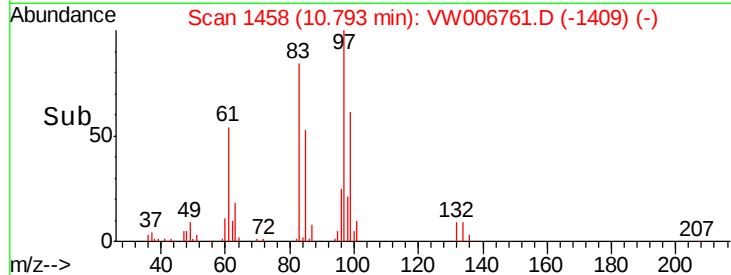
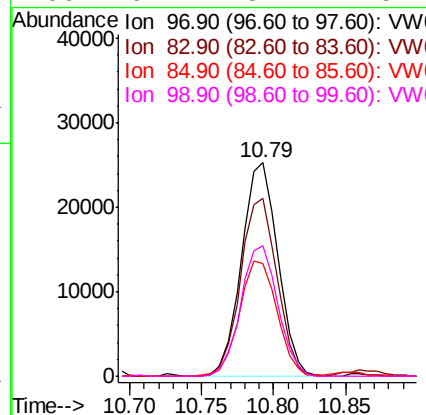
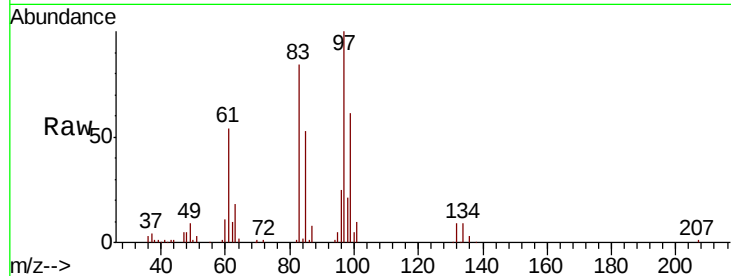
#55
 1,1,2-Trichloroethane
 Concen: 21.325 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion:	97	Resp:	44203
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.9	101.9
85	52.6	44.0	66.0
99	61.1	52.2	78.2

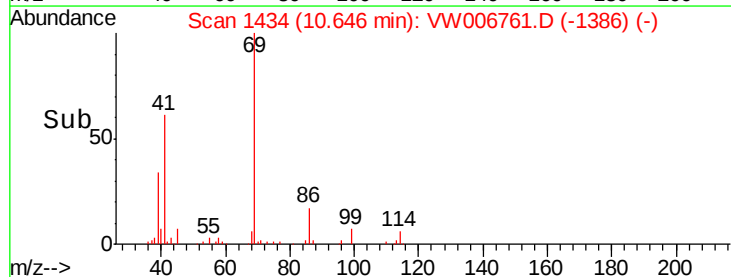
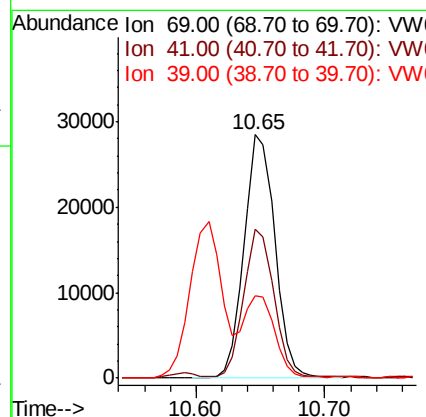
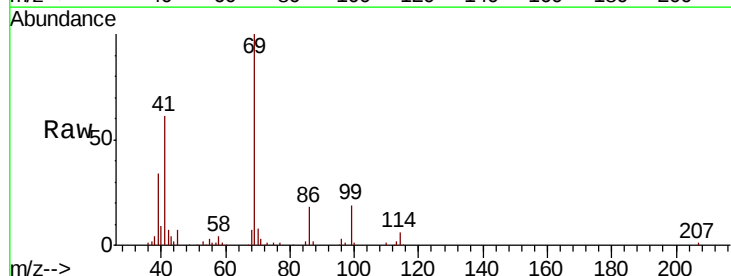
Manual Integrations
 APPROVED

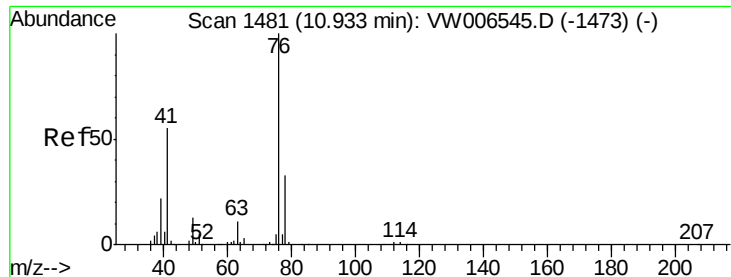
MMDadoda
 11/9/2018 1:37:38 PM



#56
 Ethyl methacrylate
 Concen: 20.037 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Tgt Ion:	69	Resp:	47207
Ion	Ratio	Lower	Upper
69	100		
41	60.5	47.4	71.2
39	34.4	25.3	37.9





#57

1,3-Dichloropropane

Concen: 21.391 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 76 Resp: 72003

Ion Ratio Lower Upper

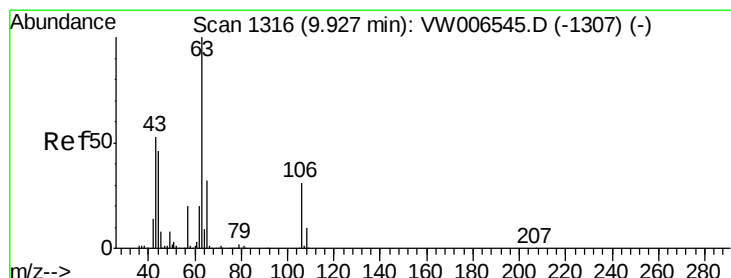
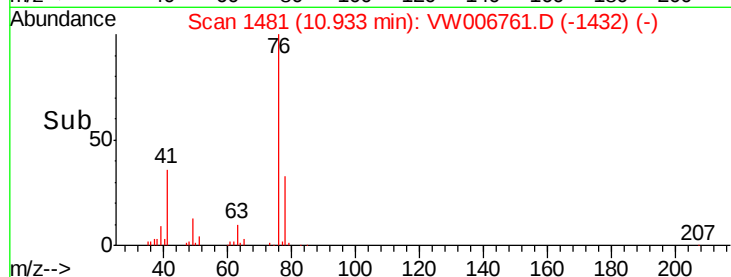
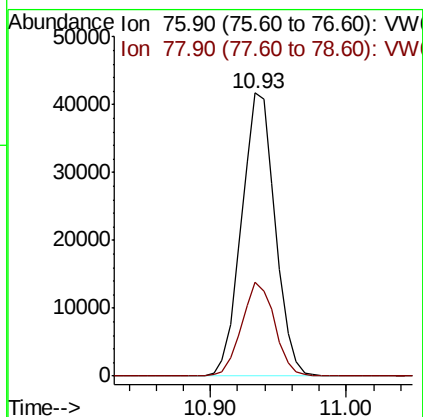
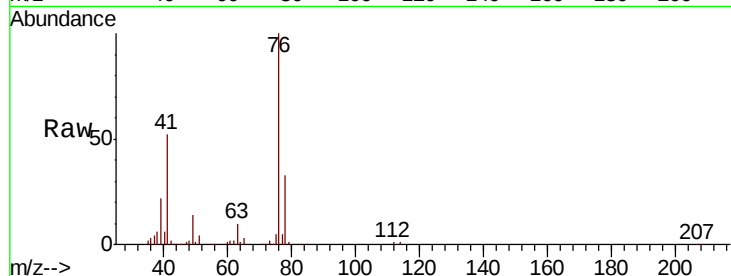
76 100

78 32.8 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

11/9/2018 1:37:38 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.522 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006761.D

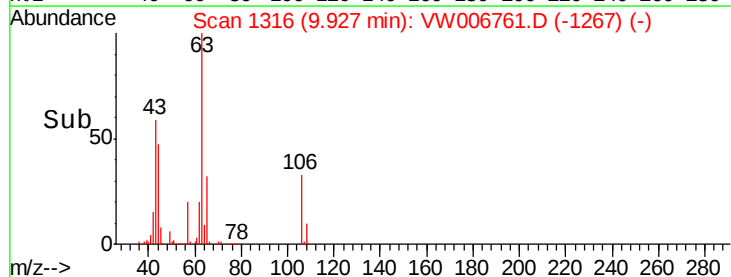
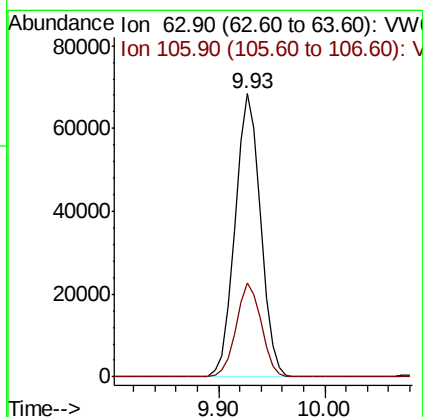
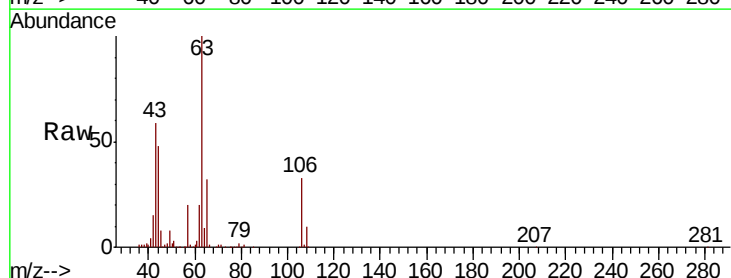
Acq: 08 Nov 2018 13:14

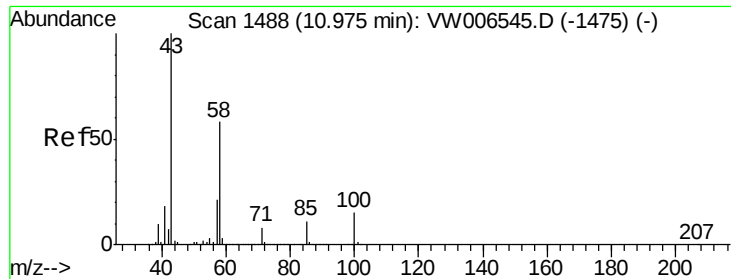
Tgt Ion: 63 Resp: 115126

Ion Ratio Lower Upper

63 100

106 32.5 25.4 38.2





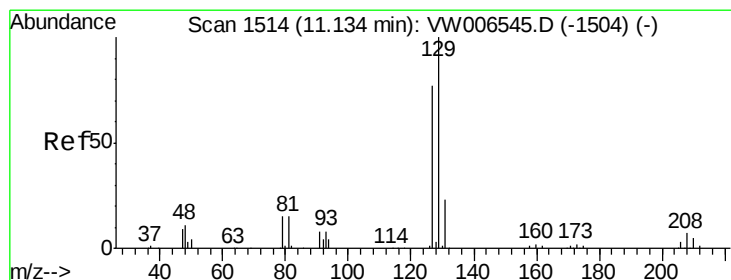
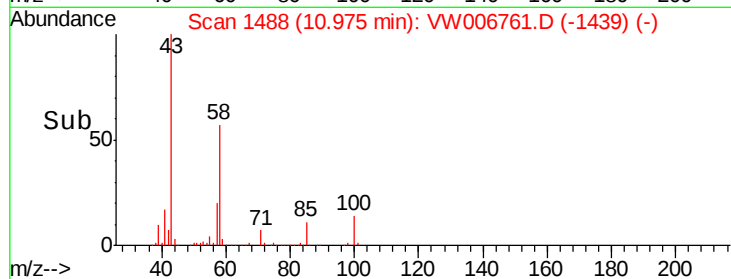
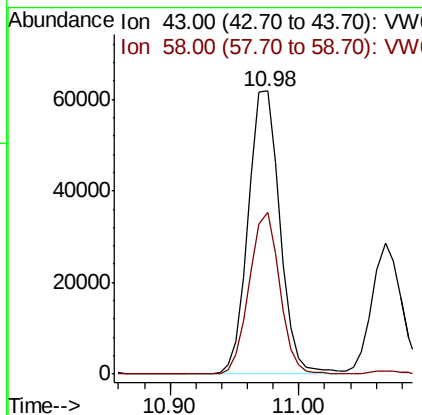
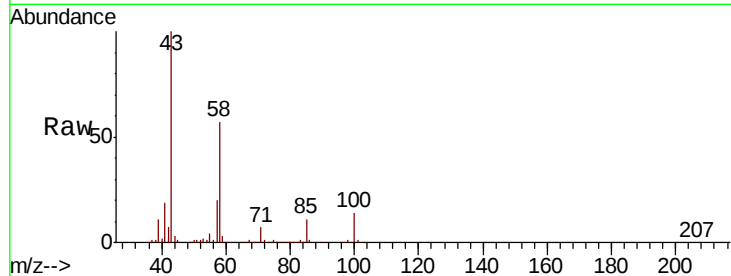
#59
2-Hexanone
Concen: 115.569 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	43	Resp	104814
Ion Ratio	43	100	
Lower	58	55.0	28.8
Upper			86.4

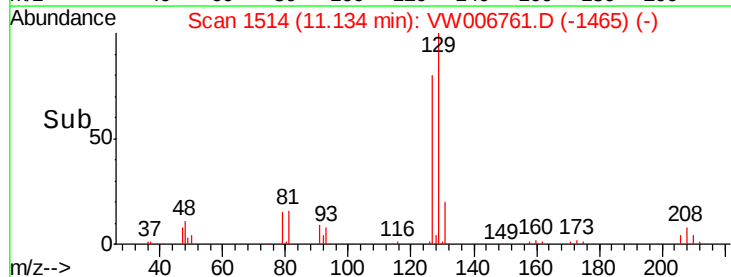
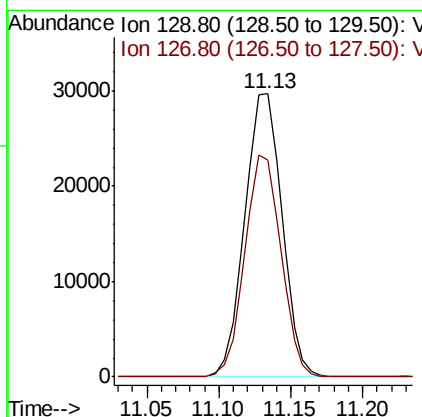
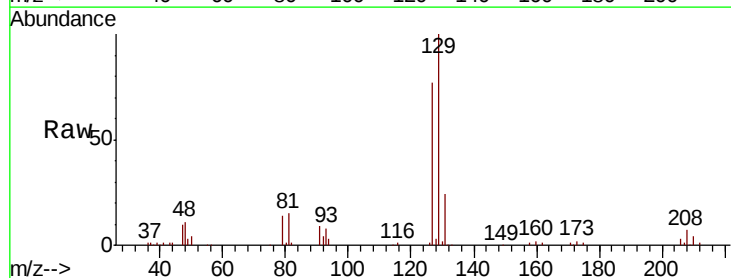
Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#60
Dibromochloromethane
Concen: 21.691 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	129	Resp	53273
Ion Ratio	129	100	
Lower	127	76.2	38.8
Upper			116.3





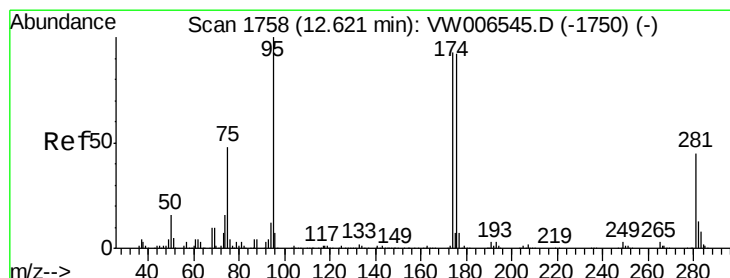
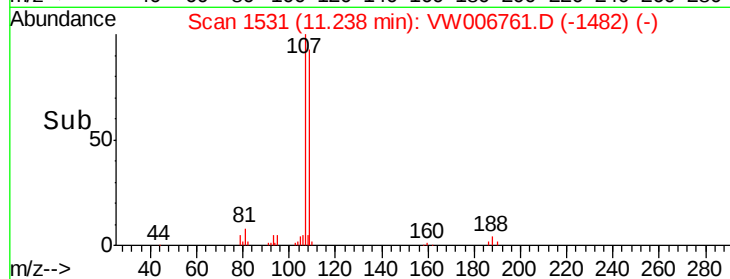
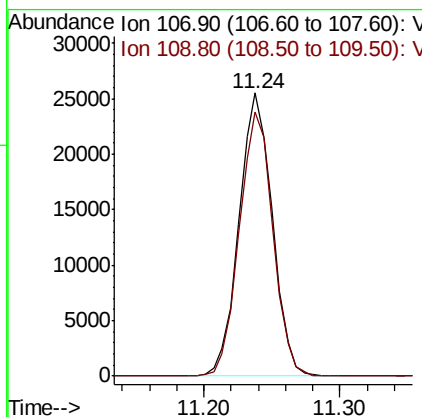
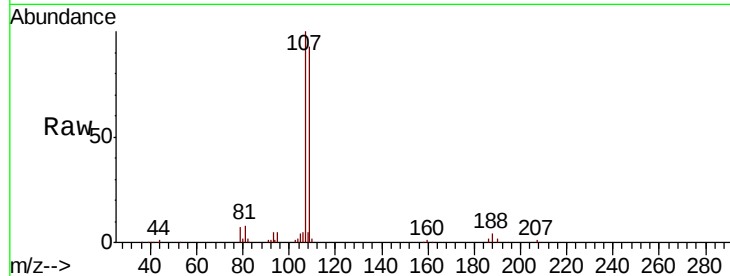
#61
 1,2-Dibromoethane
 Concen: 21.199 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.8	113.6

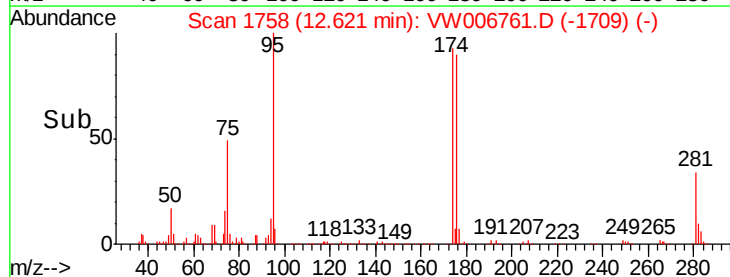
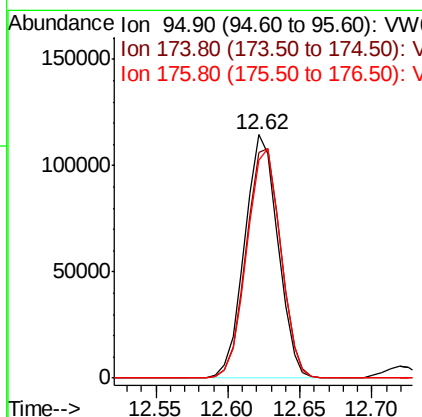
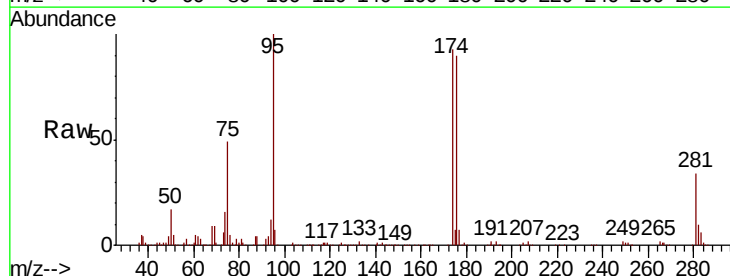
Manual Integrations
 APPROVED

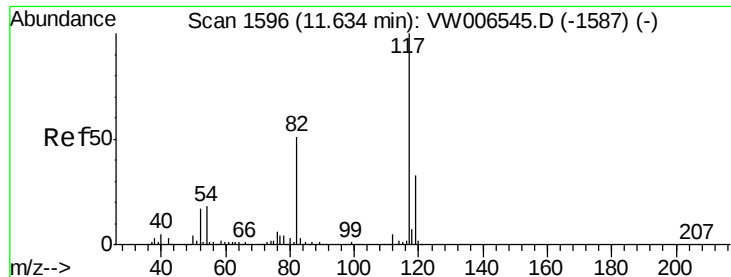
MMDadoda
 11/9/2018 1:37:38 PM



#62
 4-Bromofluorobenzene
 Concen: 49.376 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.0	0.0	192.4
176	95.7	0.0	187.4





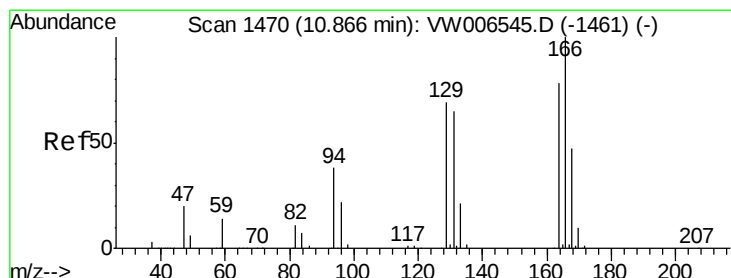
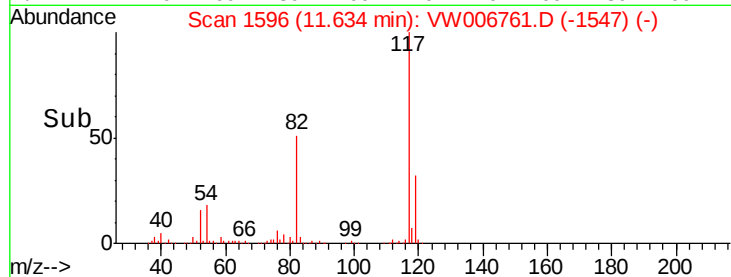
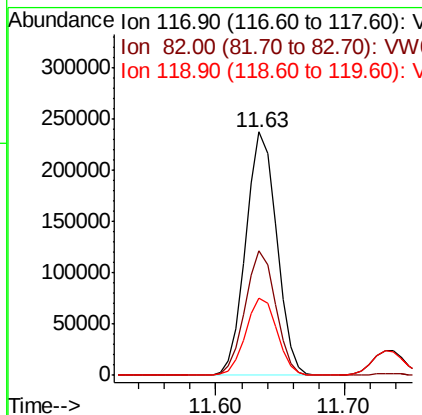
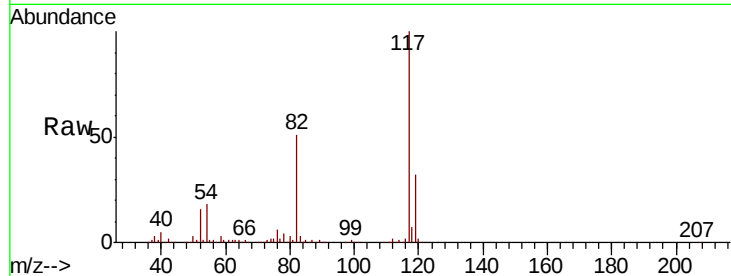
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.8	61.2
119	31.9	26.1	39.1

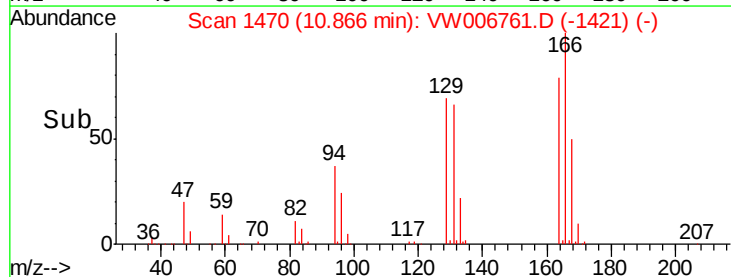
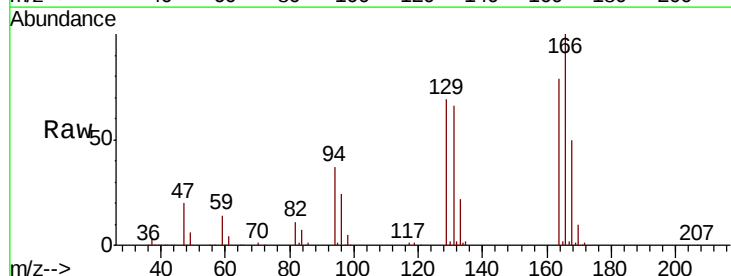
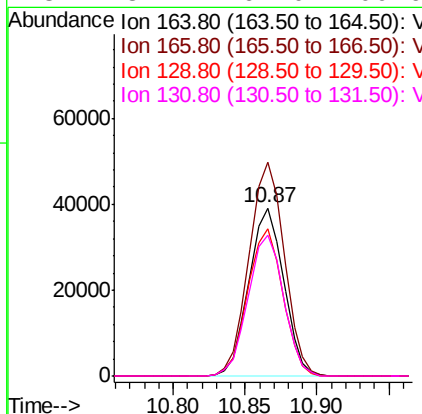
Manual Integrations
APPROVED

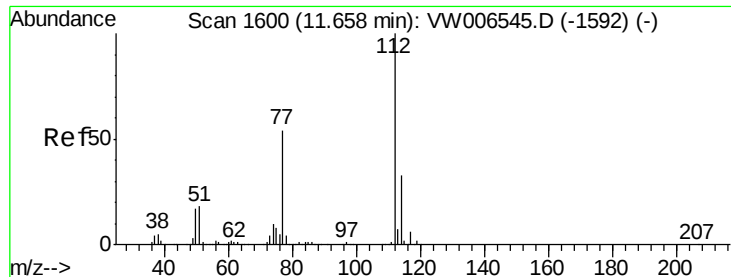
MMDadoda
11/9/2018 1:37:38 PM



#64
Tetrachloroethene
Concen: 20.923 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.8	154.2
129	87.8	70.9	106.3
131	84.2	67.0	100.6





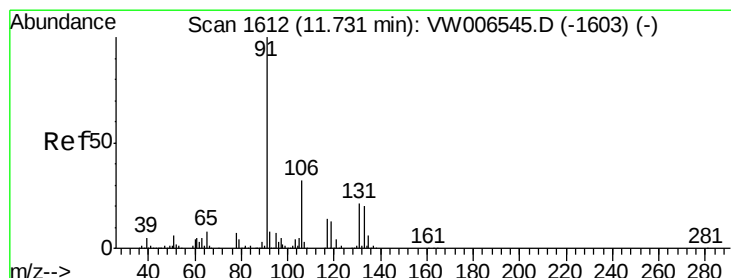
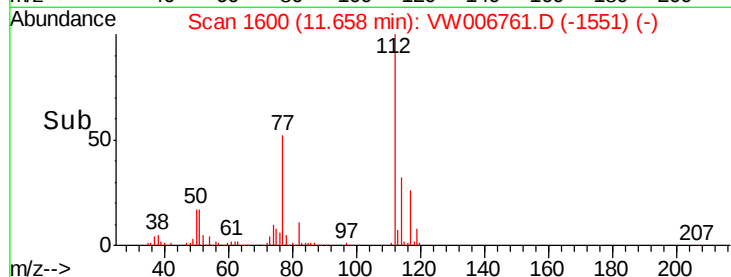
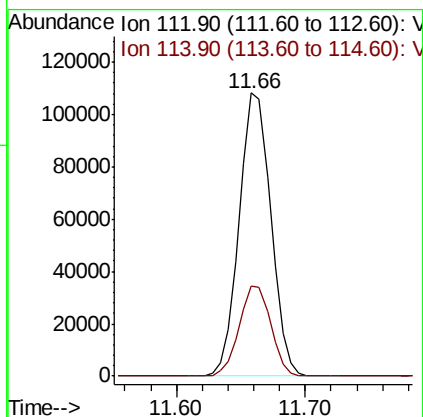
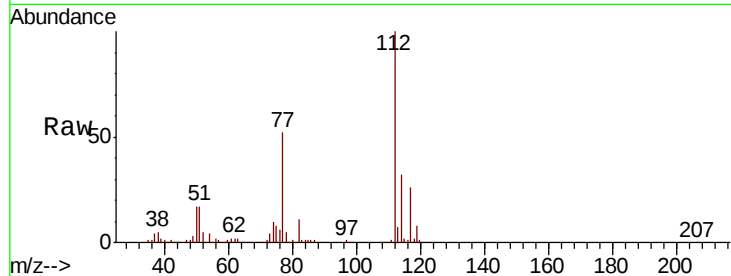
#65
Chlorobenzene
Concen: 22.272 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.2	39.2

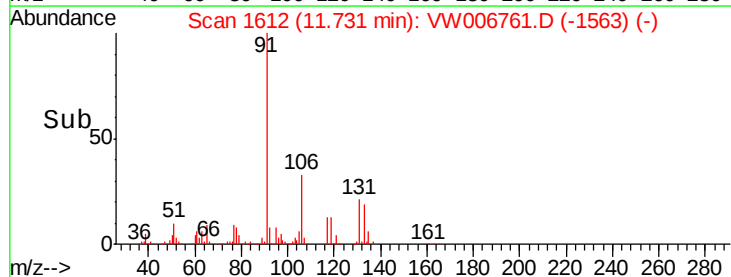
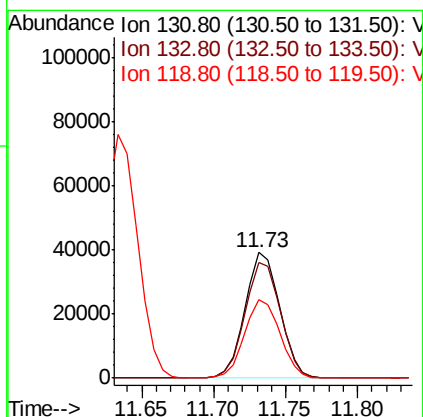
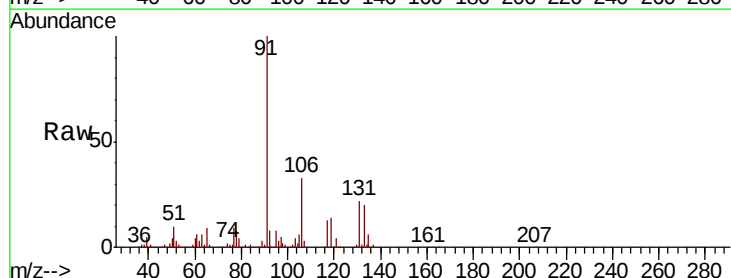
Manual Integrations
APPROVED

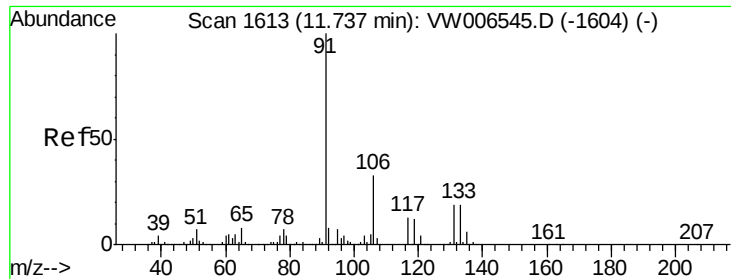
MMDadoda
11/9/2018 1:37:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.271 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.5	142.5
119	64.2	31.9	95.5





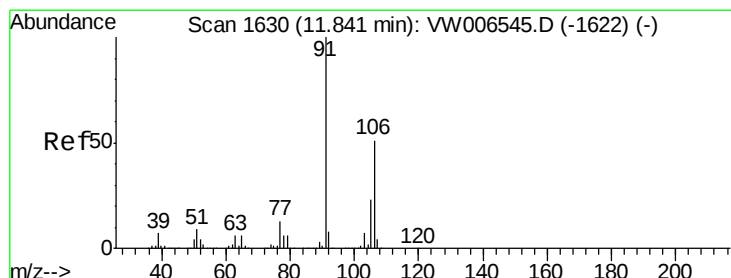
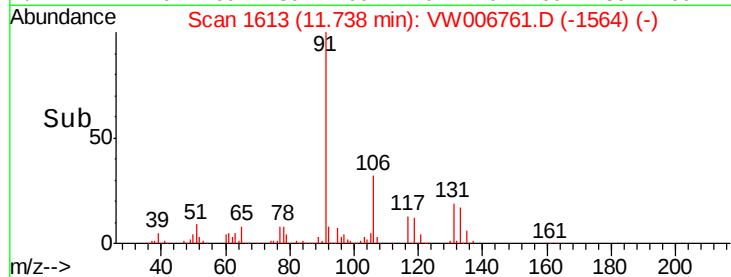
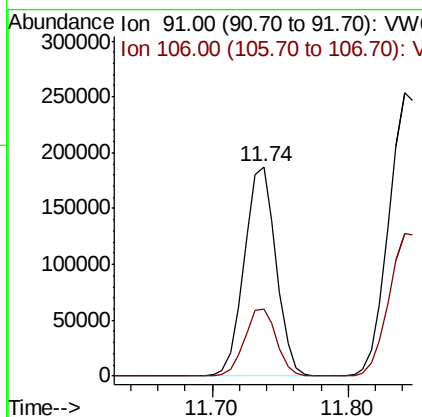
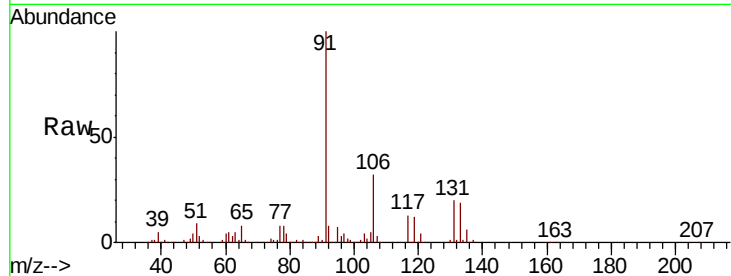
#67
Ethyl Benzene
Concen: 22.091 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion: 91 Resp: 305935
Ion Ratio Lower Upper
91 100
106 32.2 26.3 39.5

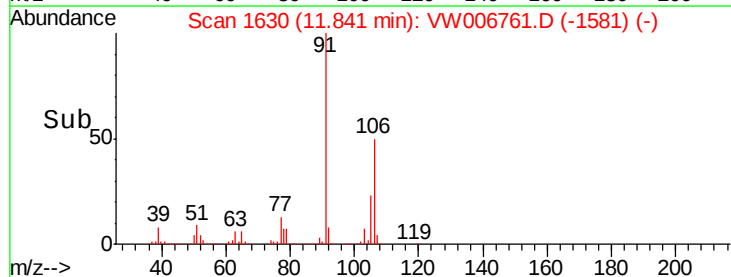
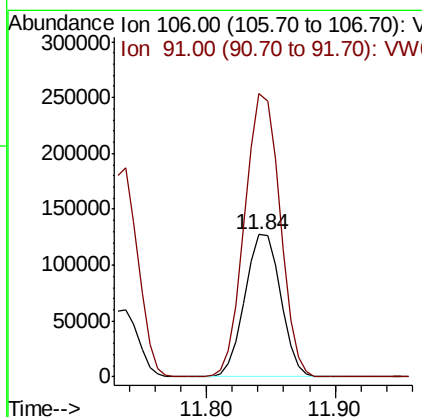
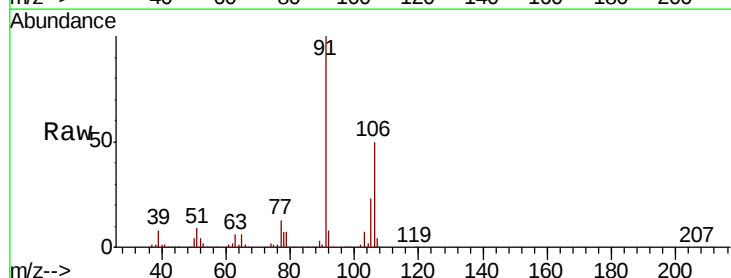
Manual Integrations
APPROVED

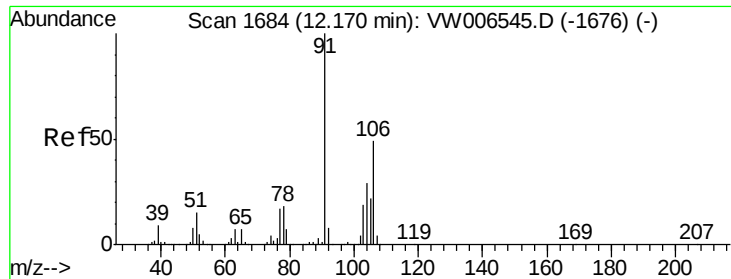
MMDadoda
11/9/2018 1:37:38 PM



#68
m/p-Xylenes
Concen: 44.301 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion: 106 Resp: 245115
Ion Ratio Lower Upper
106 100
91 196.9 156.7 235.1





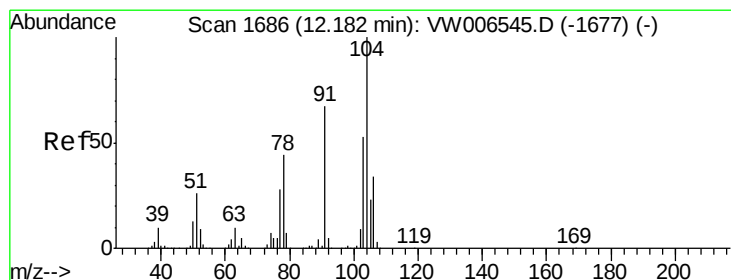
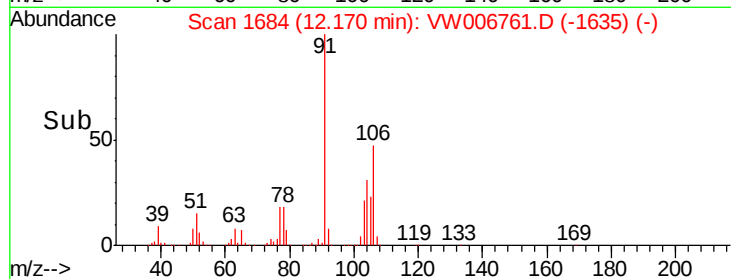
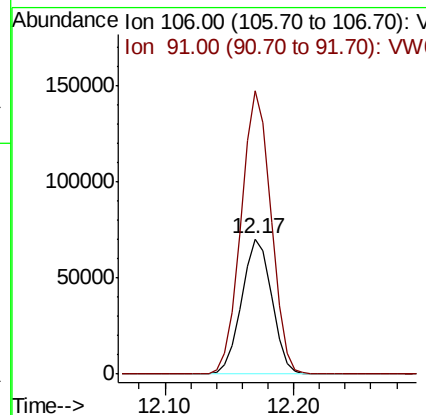
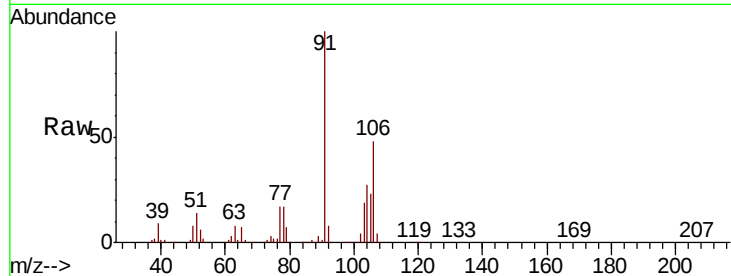
#69
o-Xylene
Concen: 21.729 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	206.8	102.8	308.4	

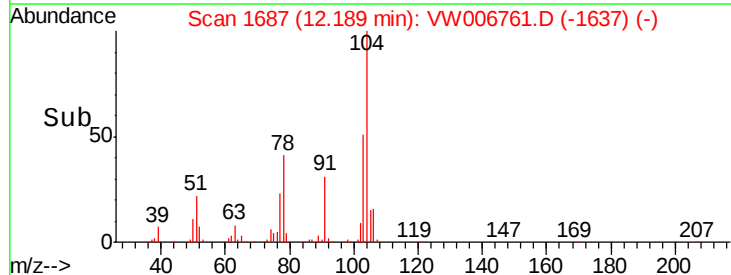
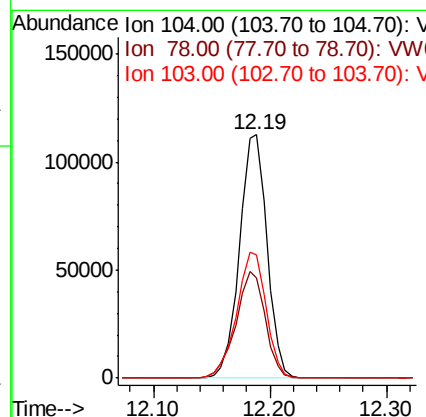
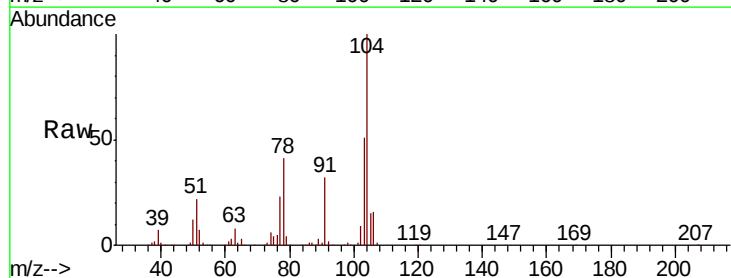
Manual Integrations
APPROVED

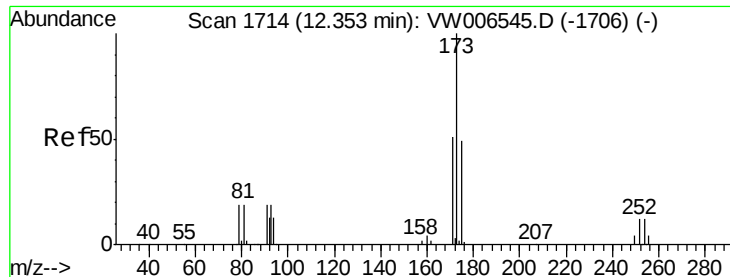
MMDadoda
11/9/2018 1:37:38 PM



#70
Styrene
Concen: 21.659 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	46.9	37.2	55.8	
103	55.3	44.2	66.2	





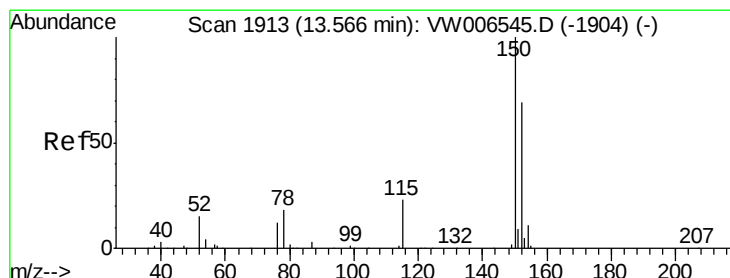
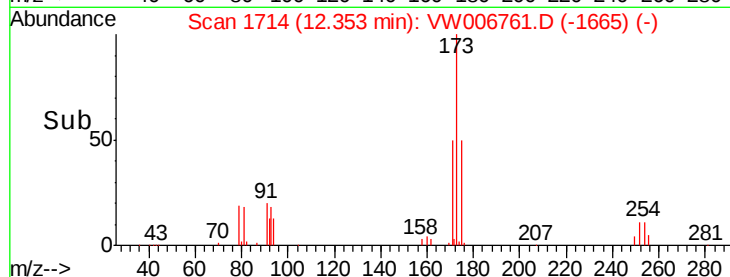
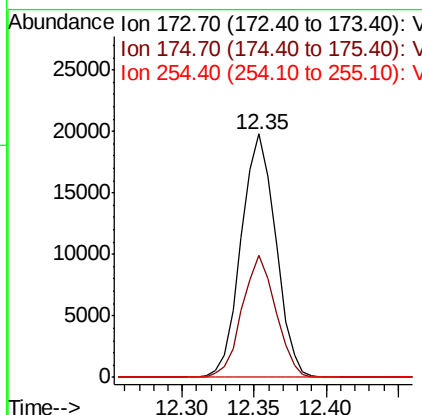
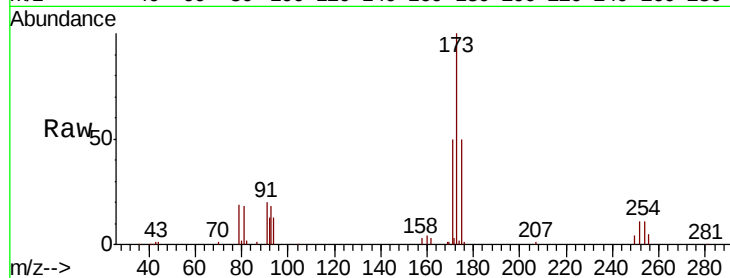
#71
Bromoform
Concen: 21.363 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.4
254	0.0	0.1	0.1#

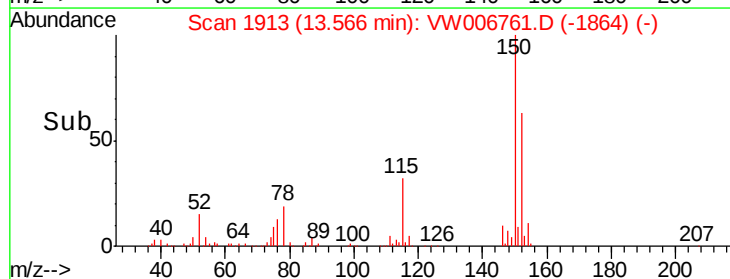
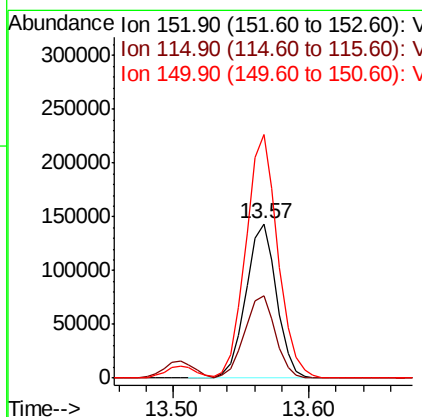
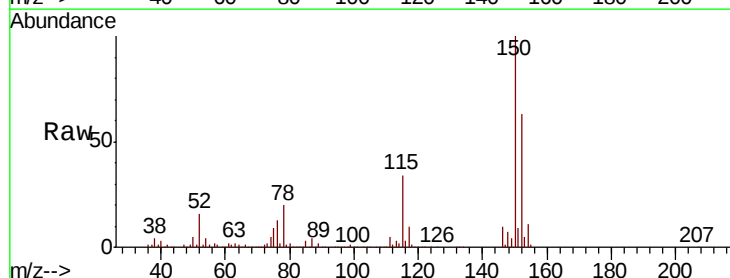
Manual Integrations
APPROVED

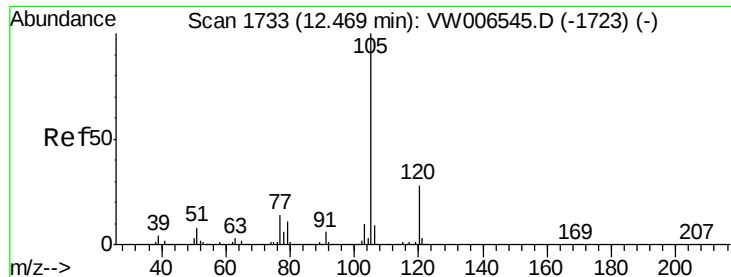
MMDadoda
11/9/2018 1:37:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.6	79.8
150	164.4	0.0	344.6





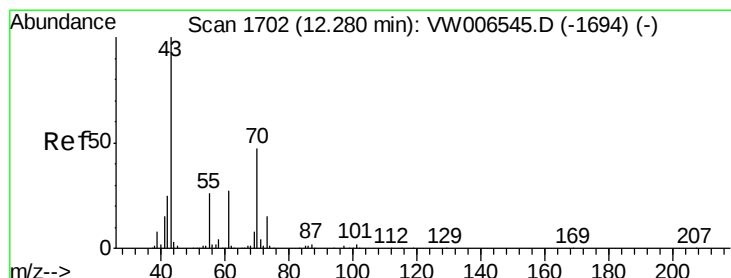
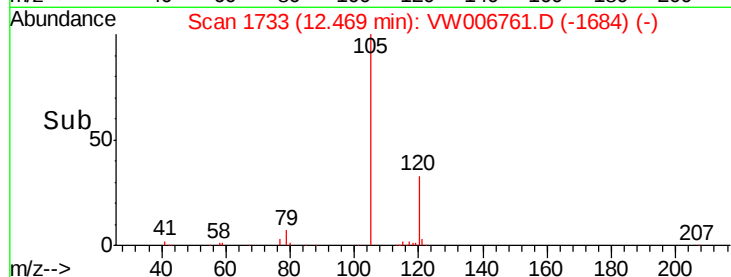
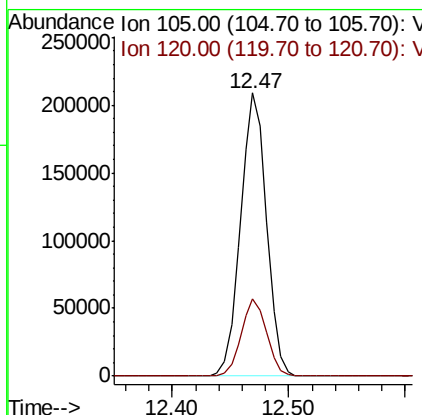
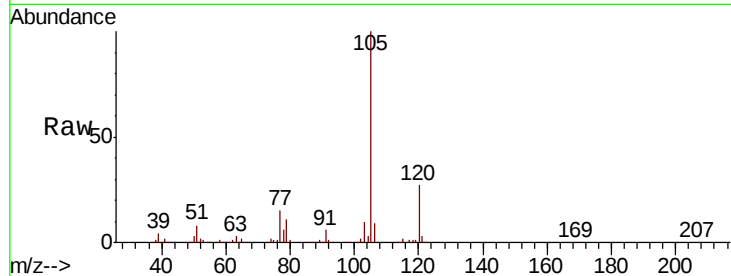
#73
Isopropylbenzene
Concen: 21.822 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.7	41.1

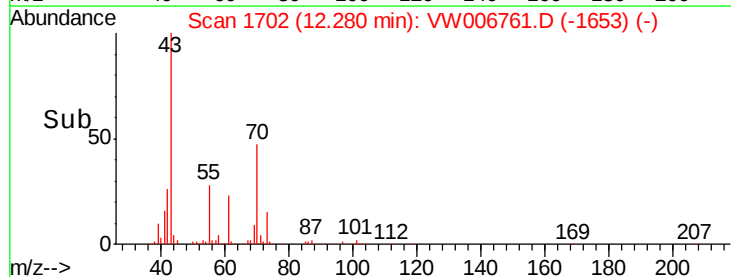
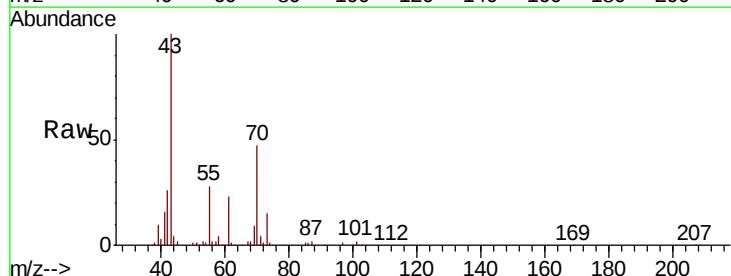
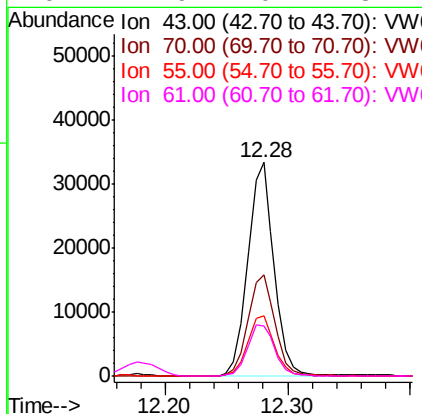
Manual Integrations
APPROVED

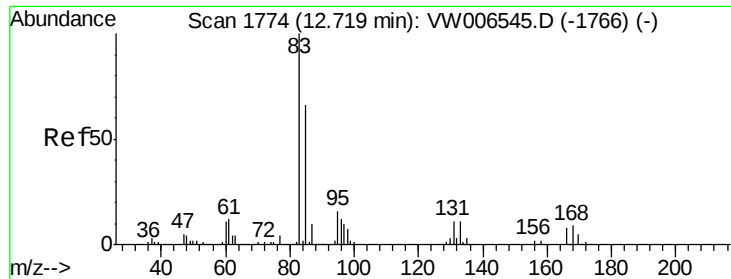
MMDadoda
11/9/2018 1:37:38 PM



#74
N-ethyl acetate
Concen: 19.272 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.8	36.9	55.3
55	29.3	20.7	31.1
61	24.9	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.850 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

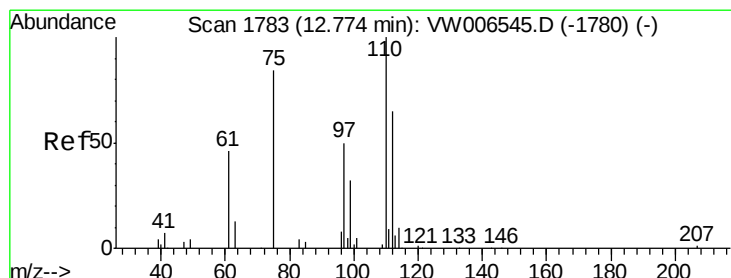
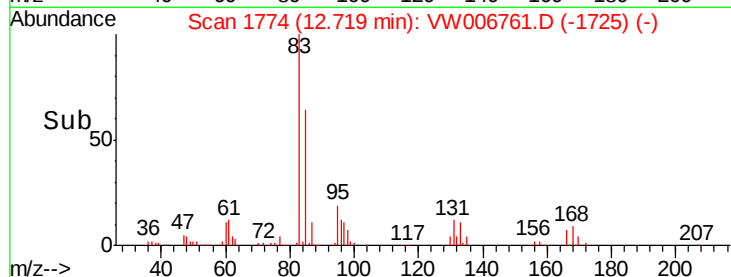
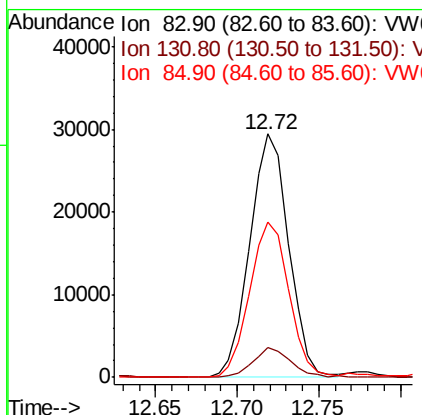
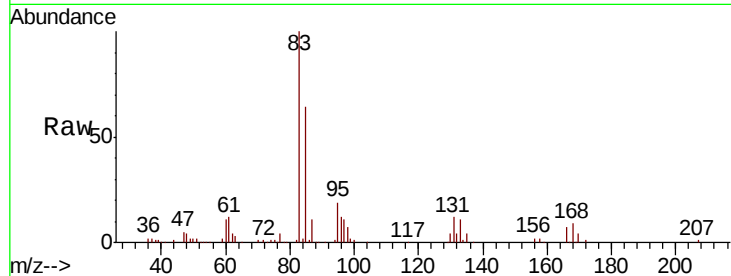
ClientSampleId :

VW1108SBS01

Tot Ion:	83	Resp:	49025
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.9	17.7
85	64.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#76

1,2,3-Trichloropropane

Concen: 17.641 ug/l m

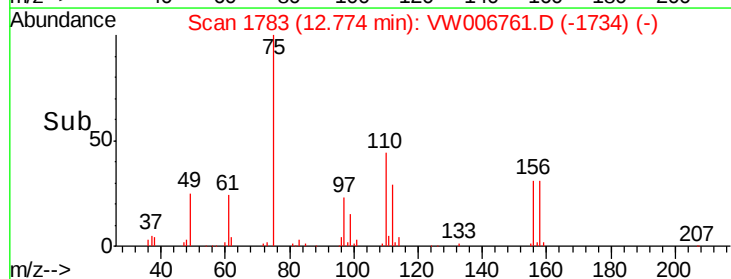
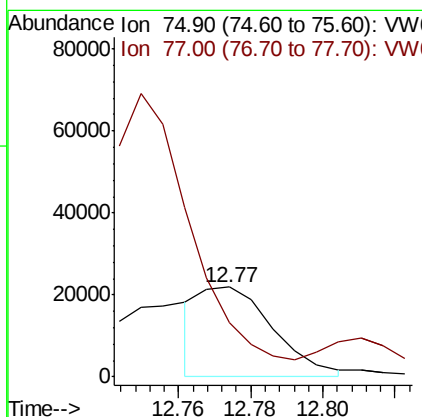
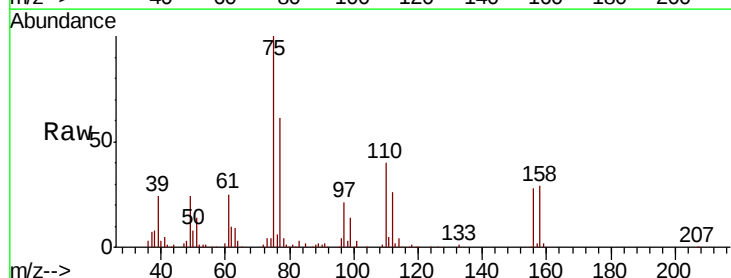
RT: 12.77 min Scan# 1783

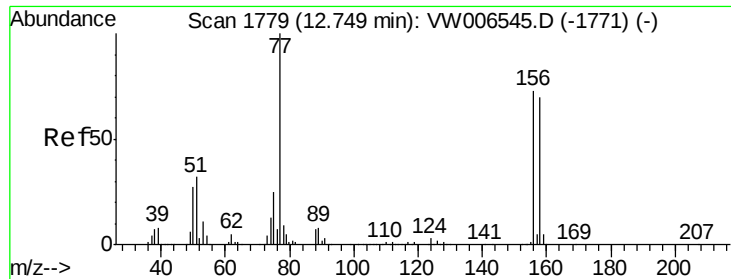
Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Tgt Ion:	75	Resp:	31106
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.236 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

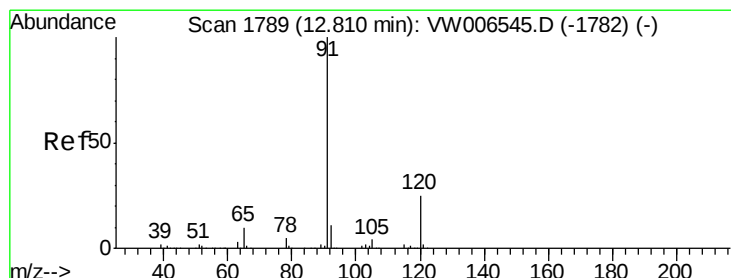
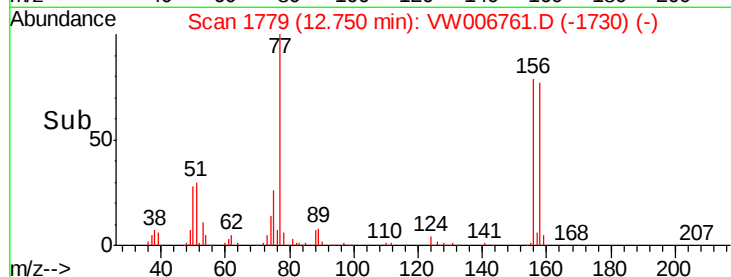
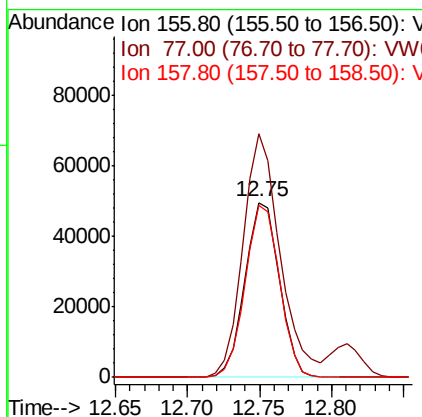
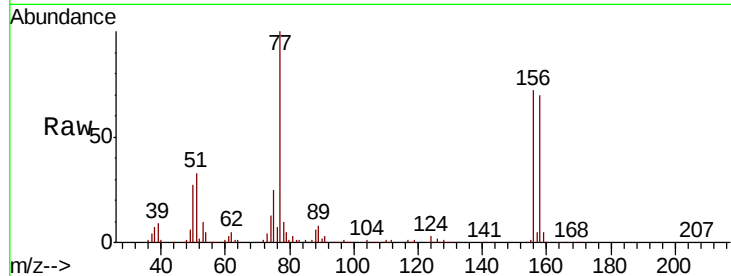
ClientSampleId :

VW1108SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.5	75.9	227.8
158	98.4	48.6	145.9

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#78

n-propylbenzene

Concen: 22.245 ug/l

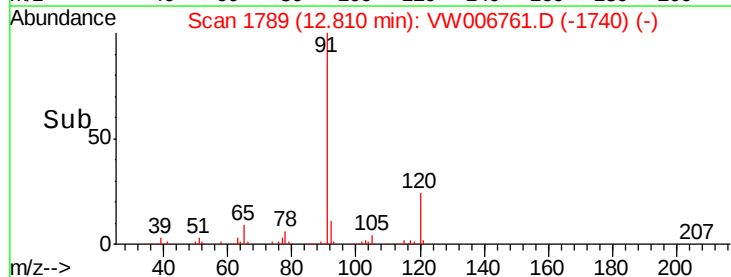
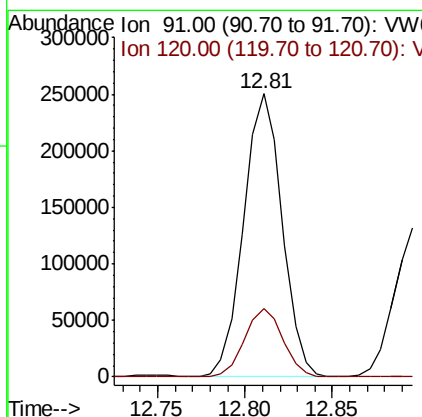
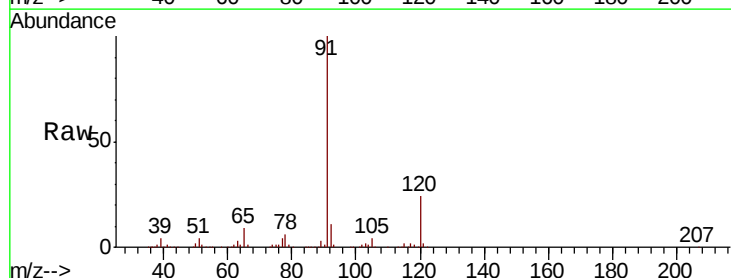
RT: 12.81 min Scan# 1789

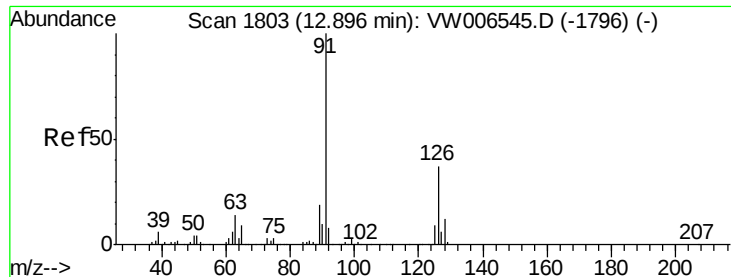
Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.4	37.0





#79

2-Chlorotoluene

Concen: 21.417 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 91 Resp: 210476

Ion Ratio Lower Upper

91 100

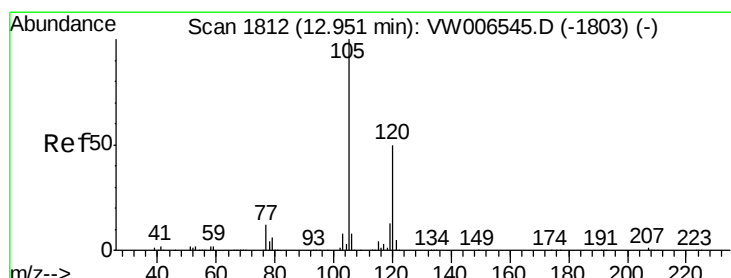
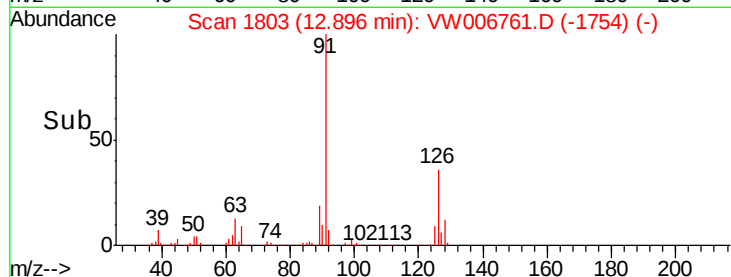
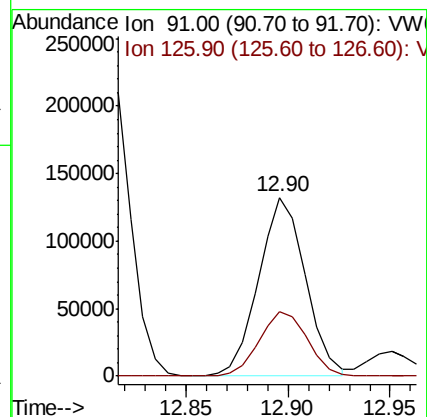
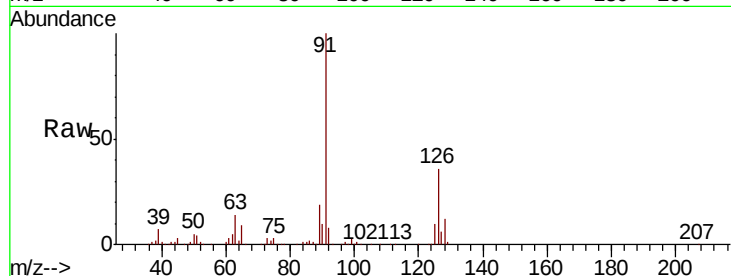
126 37.2 18.5 55.5

Manual Integrations

APPROVED

MMDadoda

11/9/2018 1:37:38 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.856 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006761.D

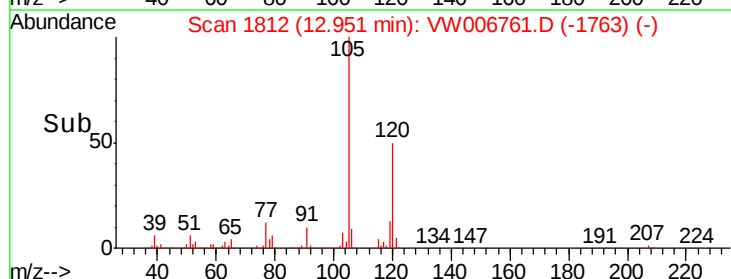
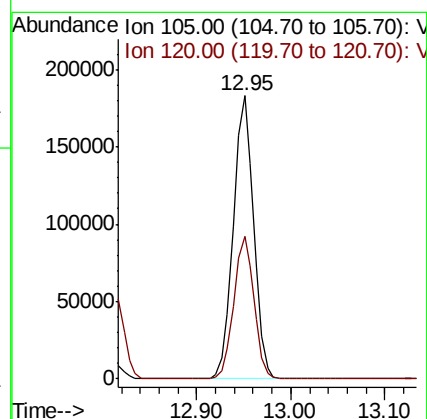
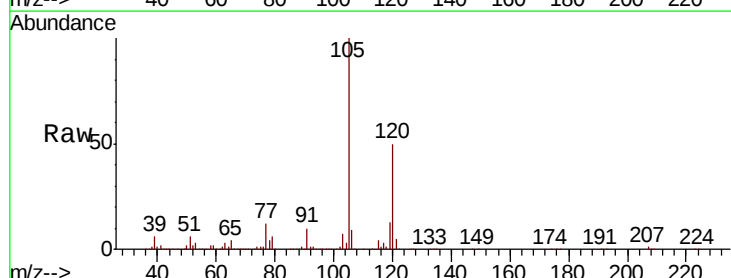
Acq: 08 Nov 2018 13:14

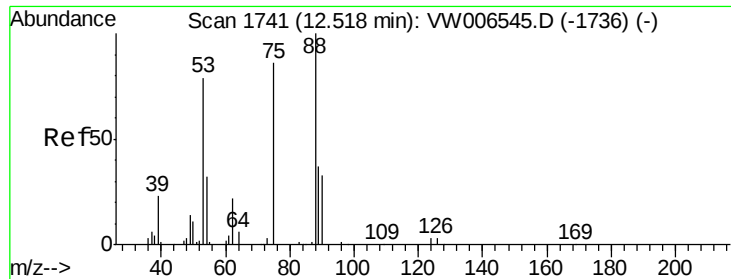
Tgt Ion:105 Resp: 273358

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





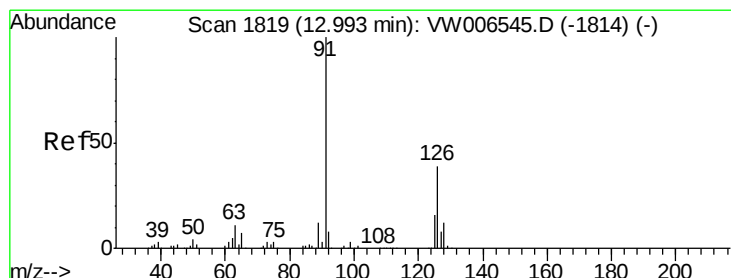
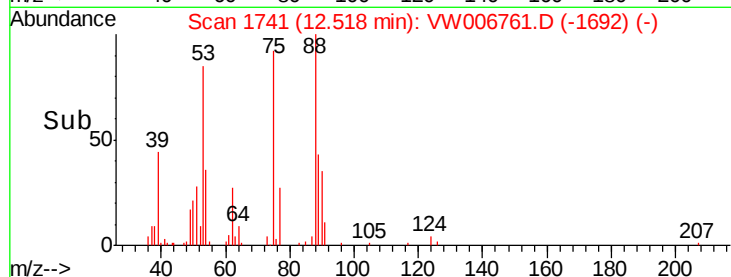
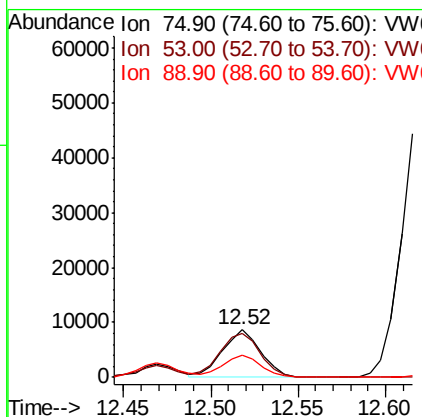
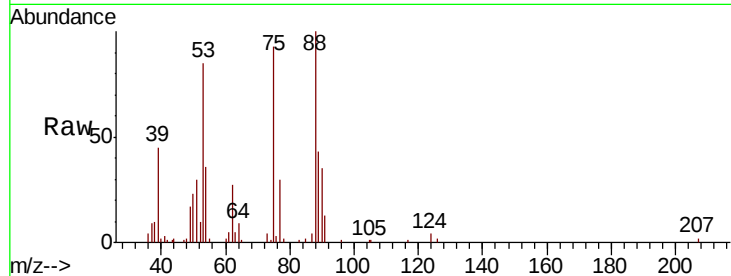
#81
trans-1,4-Dichloro-2-butene
Concen: 20.894 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	77.2	115.8
89	46.3	38.6	58.0

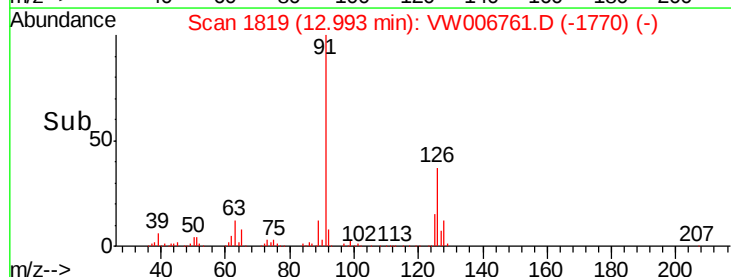
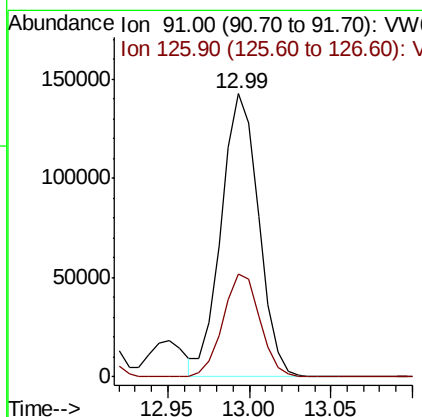
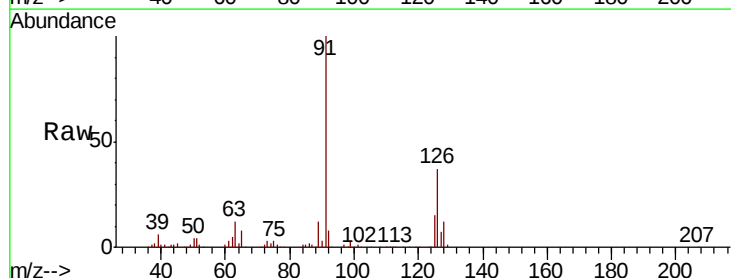
Manual Integrations
APPROVED

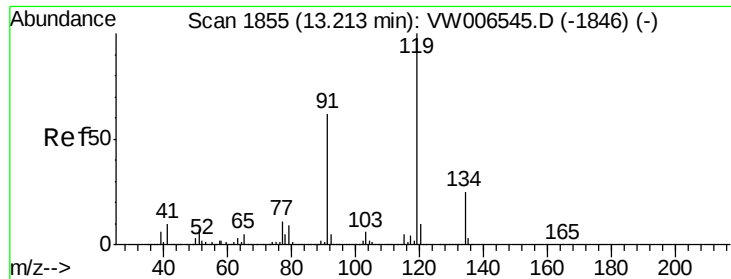
MMDadoda
11/9/2018 1:37:38 PM



#82
4-Chlorotoluene
Concen: 21.839 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.5	55.5





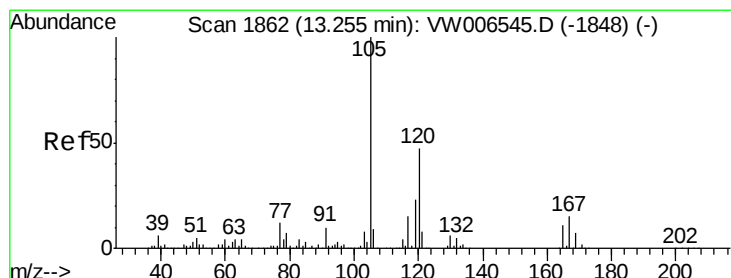
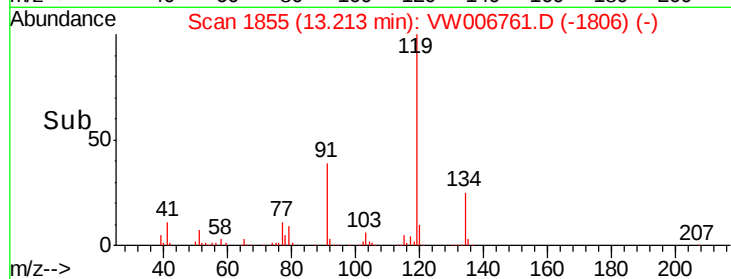
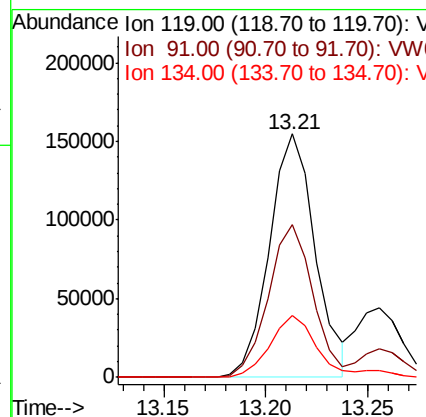
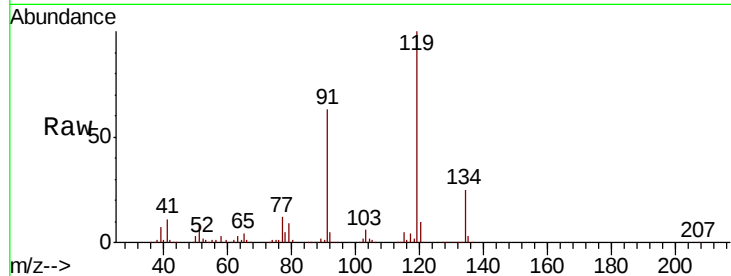
#83
tert-Butylbenzene
Concen: 21.754 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242636		
91	61.1		30.4	91.3
134	27.3		13.5	40.4

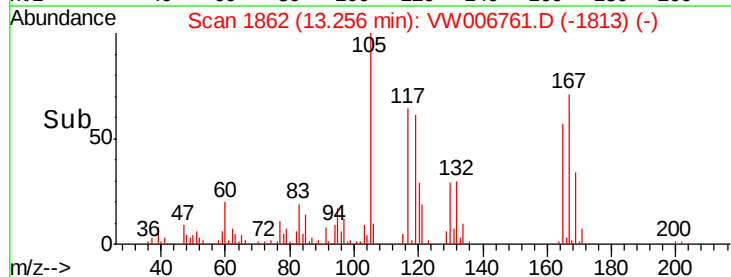
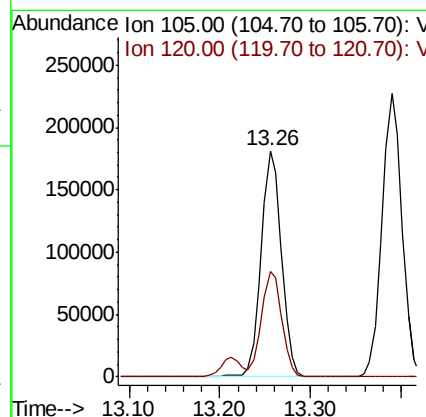
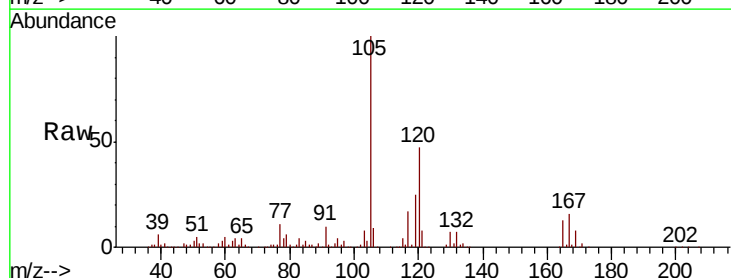
Manual Integrations
APPROVED

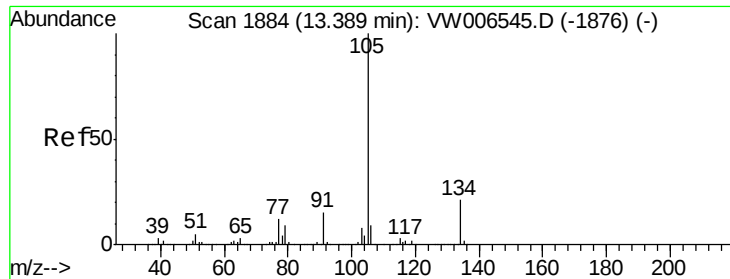
MMDadoda
11/9/2018 1:37:38 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.954 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	281639		
120	46.5		23.2	69.6





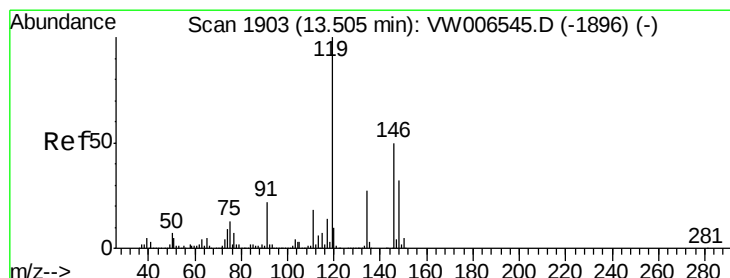
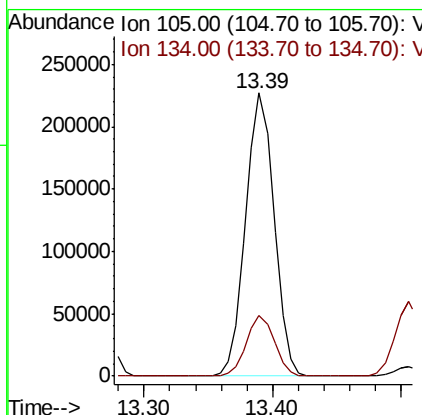
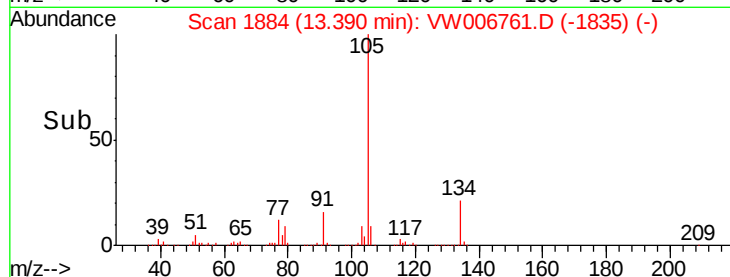
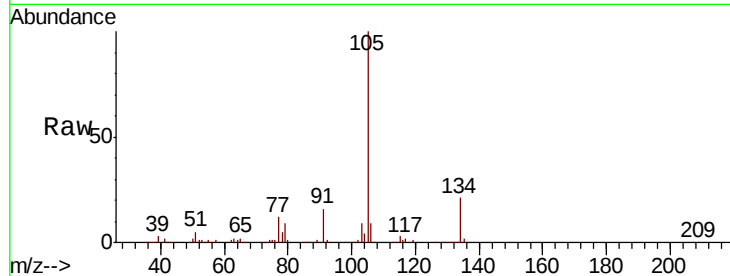
#85
 sec-Butylbenzene
 Concen: 22.196 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.6	31.8

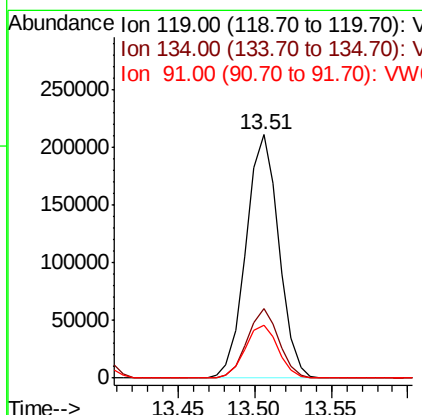
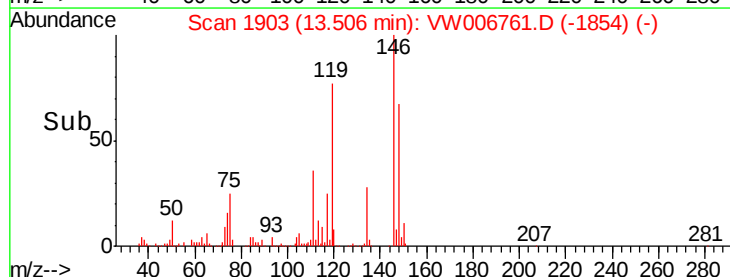
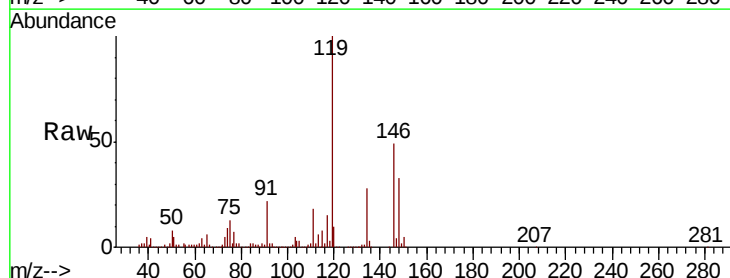
Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 1:37:38 PM



#86
 p-Isopropyltoluene
 Concen: 22.126 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.6	40.7
91	22.0	10.9	32.6





#87

1,3-Dichlorobenzene

Concen: 21.927 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

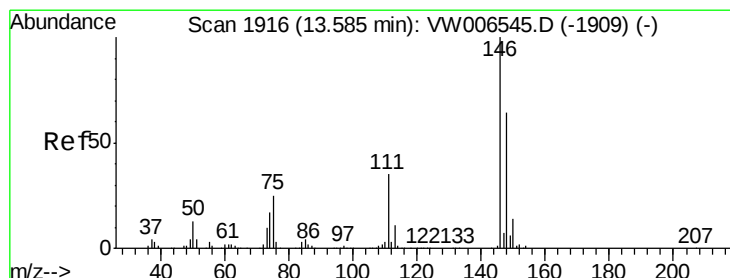
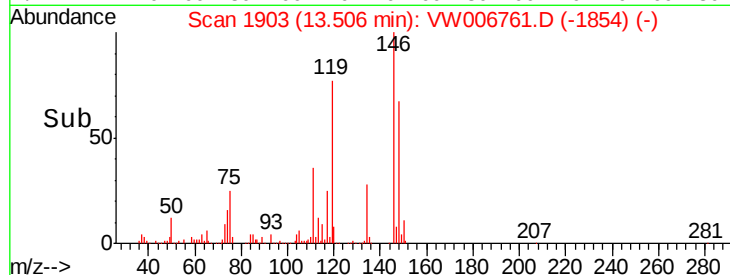
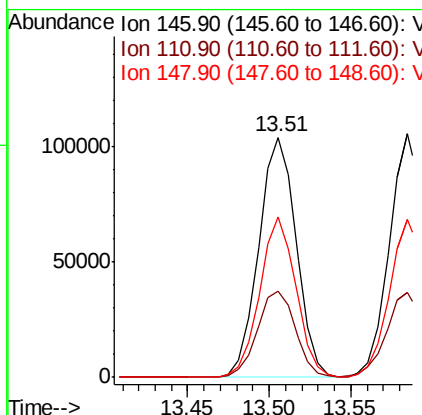
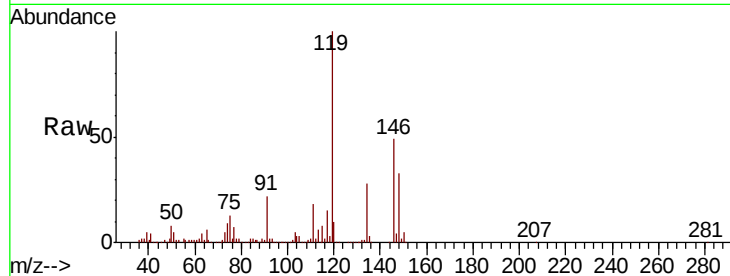
ClientSampled :

VW1108SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	55.6
148	64.6	32.1	96.3

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#88

1,4-Dichlorobenzene

Concen: 21.759 ug/l

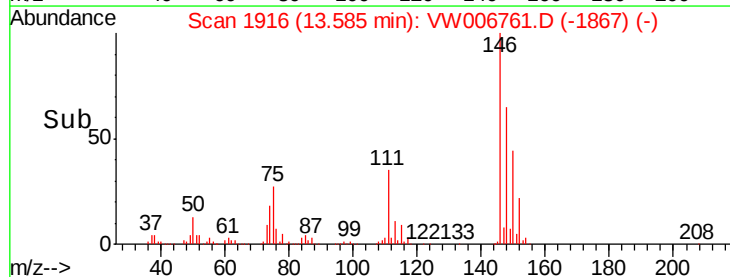
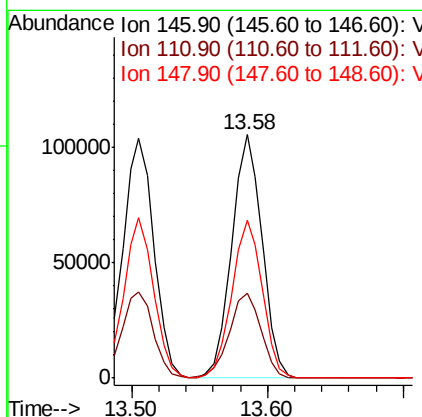
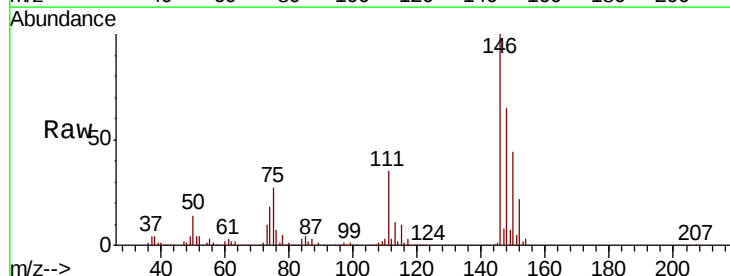
RT: 13.58 min Scan# 1916

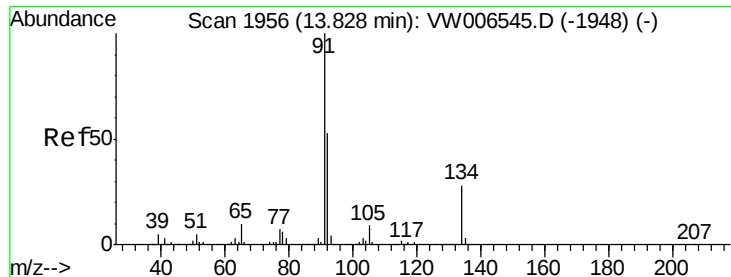
Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.9	53.7
148	64.7	32.1	96.5





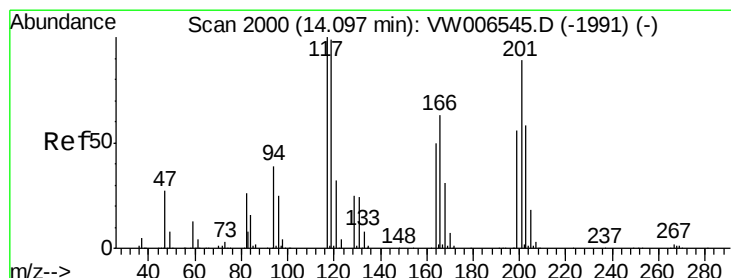
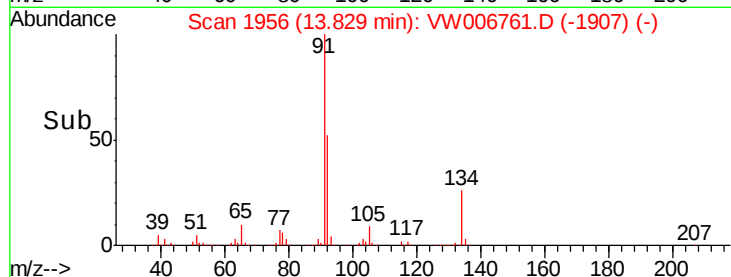
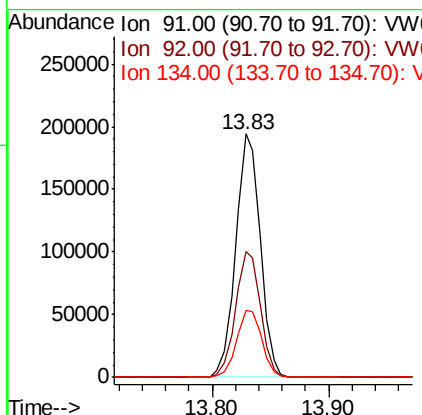
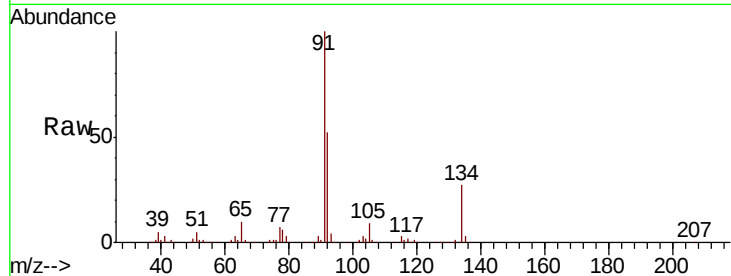
#89
n-Butylbenzene
Concen: 22.616 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.0
134	28.3	14.3	42.9

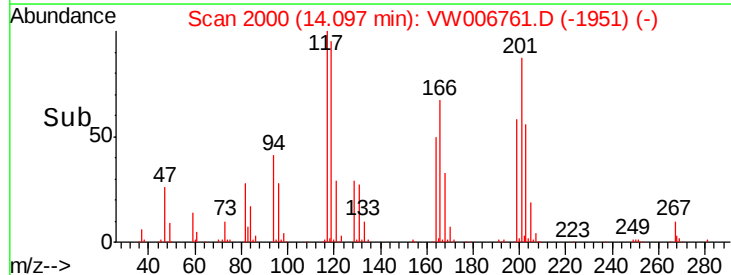
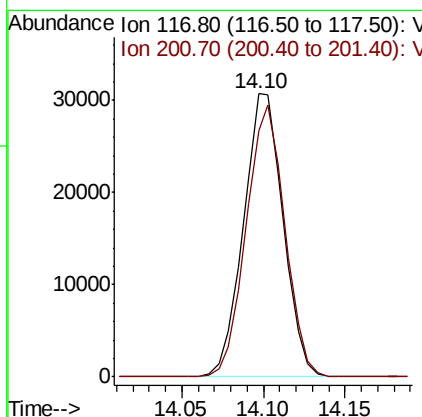
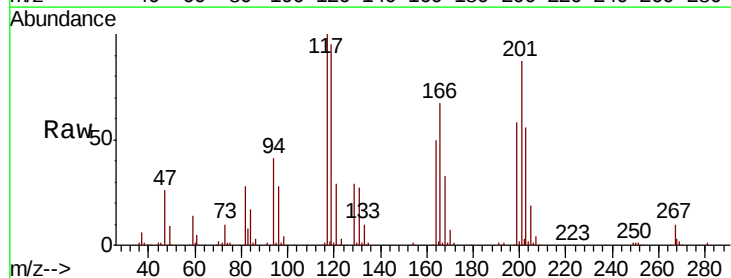
Manual Integrations
APPROVED

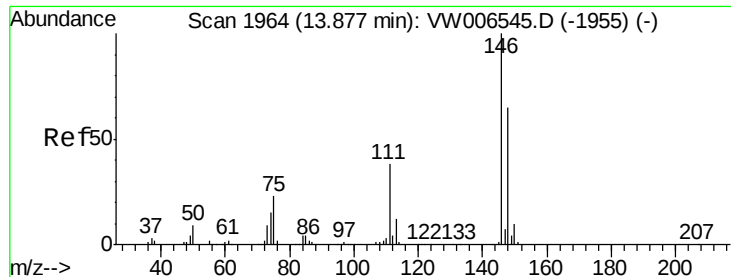
MMDadoda
11/9/2018 1:37:38 PM



#90
Hexachloroethane
Concen: 22.303 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	46.8	140.3





#91

1,2-Dichlorobenzene

Concen: 21.468 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006761.D

Acq: 08 Nov 2018 13:14

Instrument :

MSVOA_W

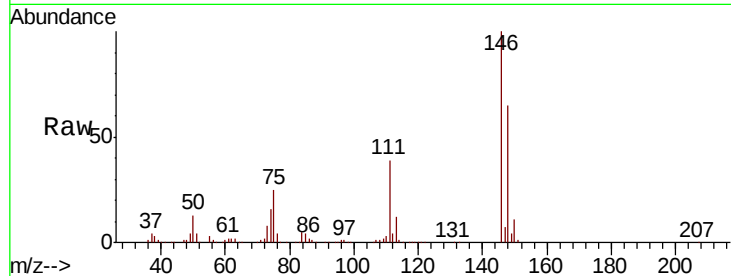
ClientSampleId :

VW1108SBS01

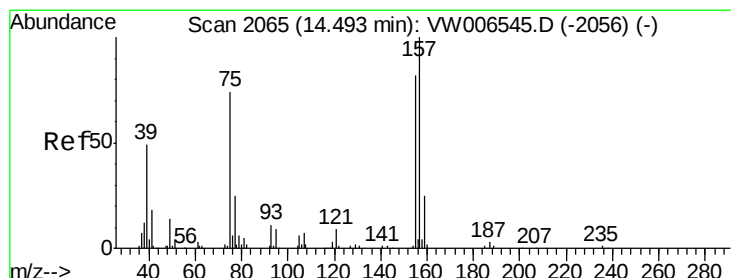
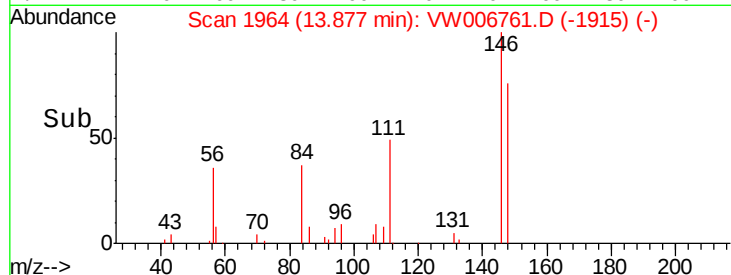
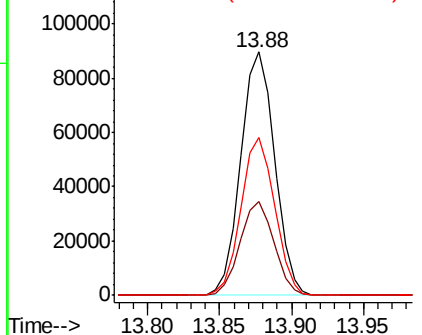
Tot Ion:	146	Resp:	146589
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.5
148	64.3	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.361 ug/l

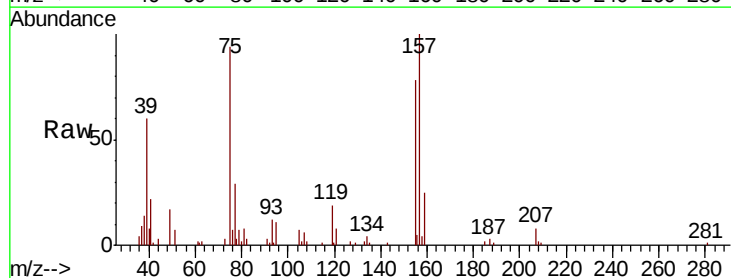
RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

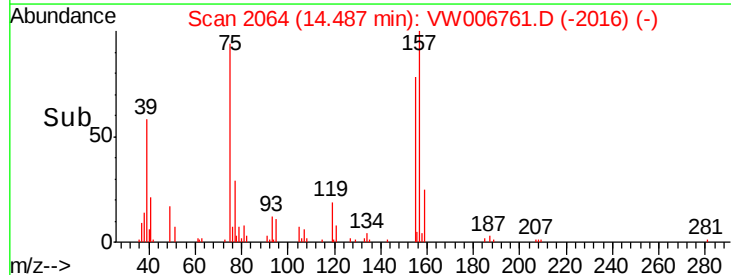
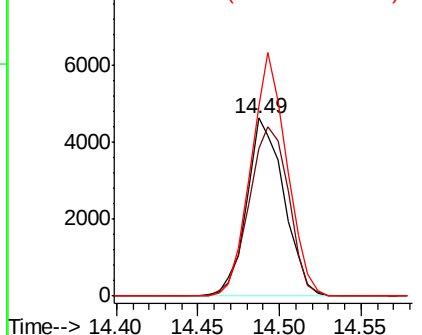
Lab File: VW006761.D

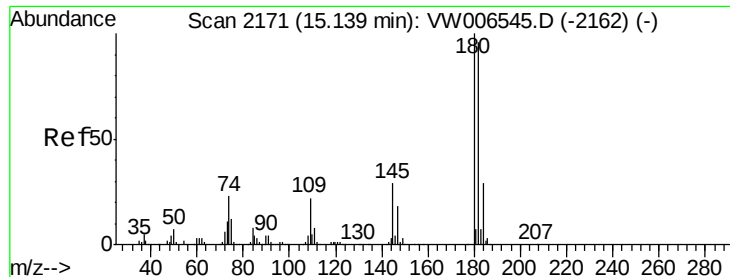
Acq: 08 Nov 2018 13:14

Tgt Ion:	75	Resp:	7387
Ion Ratio	Lower	Upper	
75	100		
155	101.4	50.6	151.8
157	131.4	65.0	195.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





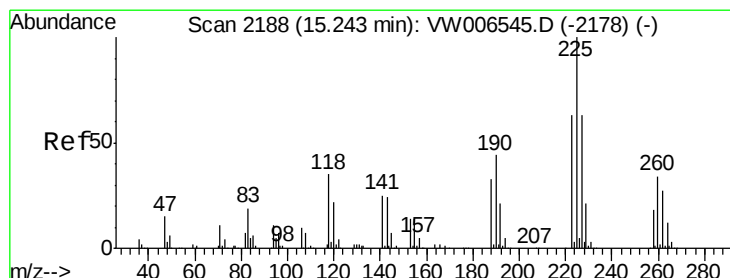
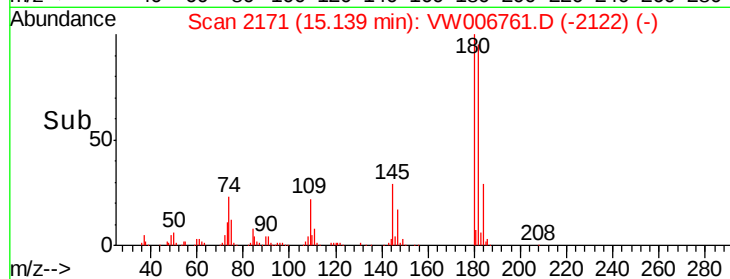
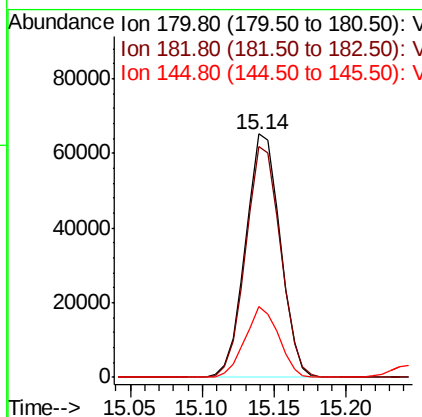
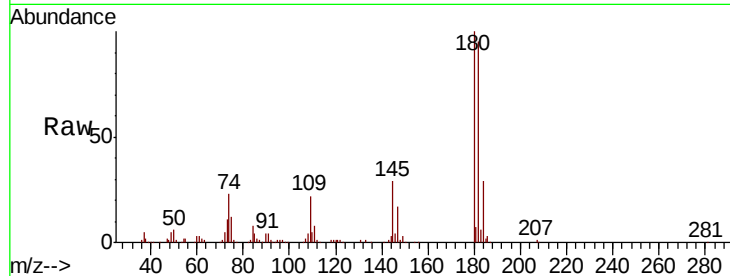
#93
 1,2,4-Trichlorobenzene
 Concen: 21.354 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.5	142.6	
145	28.4	14.0	42.0	

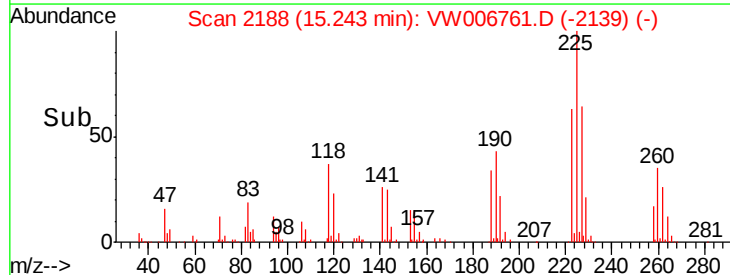
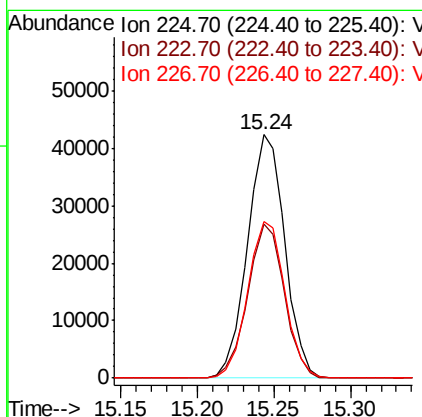
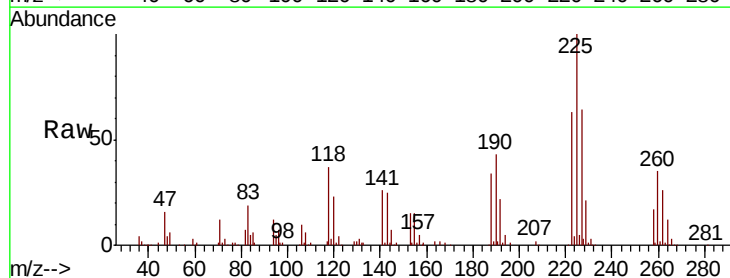
Manual Integrations
 APPROVED

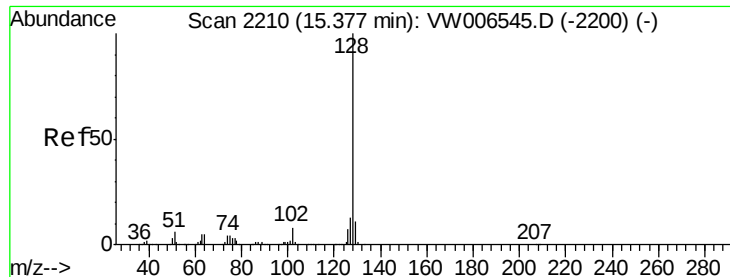
MMDadoda
 11/9/2018 1:37:38 PM



#94
 Hexachlorobutadiene
 Concen: 22.679 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006761.D
 Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.4	94.2	
227	64.2	32.2	96.6	





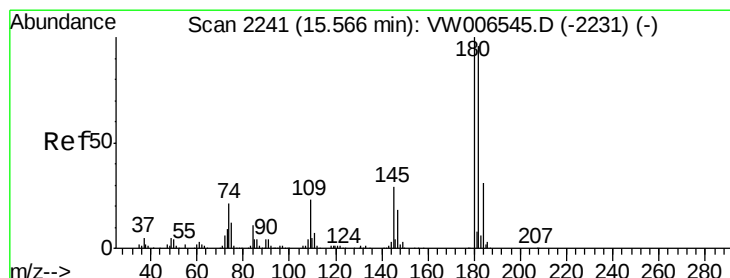
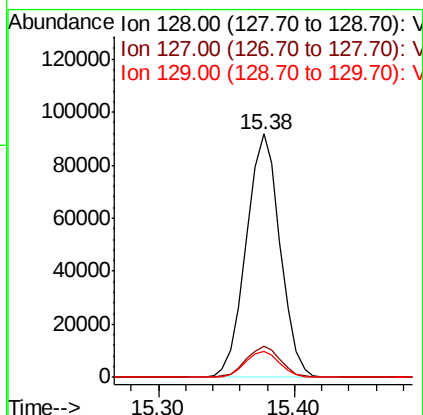
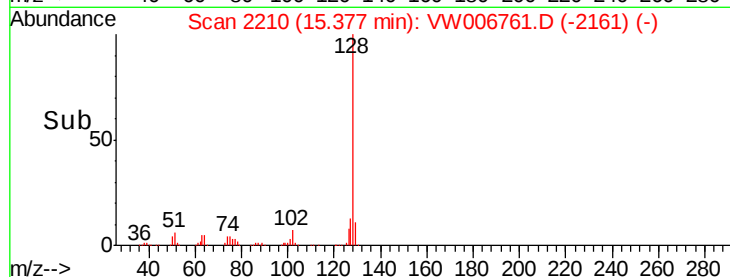
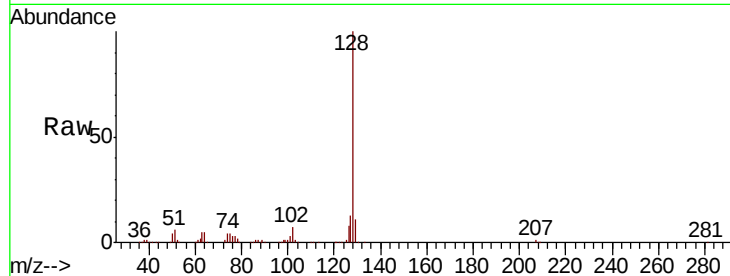
#95
Naphthalene
Concen: 19.656 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/9/2018 1:37:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.110 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006761.D
Acq: 08 Nov 2018 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.2	144.6
145	29.4	14.9	44.5

