

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110118\
 Data File : VW006522.D
 Acq On : 31 Oct 2018 13:35
 Operator : SY/AP
 Sample : VW1101SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 1:37:15 PM

Quant Time: Oct 31 15:26:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	126020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	171215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	158560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	91310	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	79872	76.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.90%	
35) Dibromofluoromethane	7.88	113	87742	86.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.46%	
50) Toluene-d8	10.33	98	325069	84.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.90%	
62) 4-Bromofluorobenzene	12.62	95	122519	84.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.02	85	17884	28.678	ug/l	93
3) Chloromethane	2.22	50	25759	32.089	ug/l	98
4) Vinyl Chloride	2.37	62	38746	33.798	ug/l	99
5) Bromomethane	2.79	94	35820	34.353	ug/l	96
6) Chloroethane	2.93	64	28832	35.095	ug/l	96
7) Trichlorofluoromethane	3.26	101	41366	38.734	ug/l	96
8) Diethyl Ether	3.68	74	21533	37.939	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42460	37.938	ug/l	99
10) Methyl Iodide	4.27	142	67678	36.332	ug/l	99
11) Tert butyl alcohol	5.22	59	11210	159.537	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	38287	36.362	ug/l	93
13) Acrolein	3.90	56	10801	158.858	ug/l	97
14) Allyl chloride	4.67	41	50301	33.411	ug/l	98
15) Acrylonitrile	5.38	53	35321	173.505	ug/l	99
16) Acetone	4.14	43	41775	210.810	ug/l	97
17) Carbon Disulfide	4.37	76	98507	30.998	ug/l	99
18) Methyl Acetate	4.68	43	18190	34.596	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	55910	34.863	ug/l	99
20) Methylene Chloride	4.92	84	46912	42.181	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	43647	37.137	ug/l	97
22) Diisopropyl ether	6.32	45	107247	36.047	ug/l	98
23) Vinyl Acetate	6.26	43	280678	159.857	ug/l	98
24) 1,1-Dichloroethane	6.22	63	71659	37.327	ug/l	100
25) 2-Butanone	7.18	43	50120	177.576	ug/l	99
26) 2,2-Dichloropropane	7.17	77	51280	37.873	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	48490	37.387	ug/l	99
28) Bromochloromethane	7.51	49	23551	31.777	ug/l	94
29) Tetrahydrofuran	7.54	42	27617	159.186	ug/l	97
30) Chloroform	7.68	83	79599	38.057	ug/l	98
31) Cyclohexane	7.96	56	63271	33.095	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	70624	37.432	ug/l	99
36) 1,1-Dichloropropene	8.09	75	63086	39.975	ug/l	99
37) Ethyl Acetate	7.26	43	20404	34.799	ug/l	99
38) Carbon Tetrachloride	8.07	117	67810	39.196	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110118\
 Data File : VW006522.D
 Acq On : 31 Oct 2018 13:35
 Operator : SY/AP
 Sample : VW1101SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 1:37:15 PM

Quant Time: Oct 31 15:26:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78328	37.339	ug/l	98
40) Benzene	8.33	78	173296	40.032	ug/l	100
41) Methacrylonitrile	7.49	41	11930	33.752	ug/l	96
42) 1,2-Dichloroethane	8.40	62	48860	38.417	ug/l	100
43) Isopropyl Acetate	8.43	43	38164	31.834	ug/l	97
44) Trichloroethene	9.10	130	52961	39.877	ug/l	98
45) 1,2-Dichloropropane	9.37	63	40252	38.858	ug/l	99
46) Dibromomethane	9.46	93	22753	38.538	ug/l	98
47) Bromodichloromethane	9.65	83	53394	37.302	ug/l	99
48) Methyl methacrylate	9.44	41	18532	32.611	ug/l	94
49) 1,4-Dioxane	9.48	88	6658	732.532	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	100623	167.519	ug/l	98
52) Toluene	10.39	92	114755	39.541	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	51733	36.275	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	61345	37.479	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	32908	39.830	ug/l	96
56) Ethyl methacrylate	10.65	69	34183	33.749	ug/l	95
57) 1,3-Dichloropropane	10.94	76	51945	37.980	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	71321	184.281	ug/l	98
59) 2-Hexanone	10.98	43	74841	174.546	ug/l	97
60) Dibromochloromethane	11.13	129	37875	36.803	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31919	38.665	ug/l	99
64) Tetrachloroethene	10.87	164	49531	40.239	ug/l	99
65) Chlorobenzene	11.66	112	135198	39.831	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	46768	38.771	ug/l	98
67) Ethyl Benzene	11.74	91	229280	38.977	ug/l	100
68) m/p-Xylenes	11.84	106	184551	79.375	ug/l	98
69) o-Xylene	12.17	106	86500	39.037	ug/l	96
70) Styrene	12.19	104	138755	38.508	ug/l	99
71) Bromoform	12.35	173	22952	34.113	ug/l #	99
73) Isopropylbenzene	12.47	105	244336	37.877	ug/l	100
74) N-amyl acetate	12.28	43	37444	29.885	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	35671	36.357	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	31827m	45.635	ug/l	
77) Bromobenzene	12.75	156	60549	38.322	ug/l	98
78) n-propylbenzene	12.81	91	286610	38.190	ug/l	100
79) 2-Chlorotoluene	12.90	91	159795	37.896	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	207967	38.242	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8985	30.796	ug/l	94
82) 4-Chlorotoluene	12.99	91	170973	38.707	ug/l	100
83) tert-Butylbenzene	13.21	119	184572	37.935	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	211258	38.390	ug/l	99
85) sec-Butylbenzene	13.39	105	264428	38.470	ug/l	99
86) p-Isopropyltoluene	13.51	119	240607	38.700	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	124481	39.587	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	123209	39.353	ug/l	98
89) n-Butylbenzene	13.83	91	218499	38.428	ug/l	99
90) Hexachloroethane	14.10	117	38802	36.845	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	109120	38.904	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5333	30.359	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110118\
Data File : VW006522.D
Acq On : 31 Oct 2018 13:35
Operator : SY/AP
Sample : VW1101SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM

Quant Time: Oct 31 15:26:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82379	38.171	ug/l	100
94) Hexachlorobutadiene	15.24	225	55138	40.670	ug/l	99
95) Naphthalene	15.38	128	121695	33.897	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	71083	38.079	ug/l	99

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

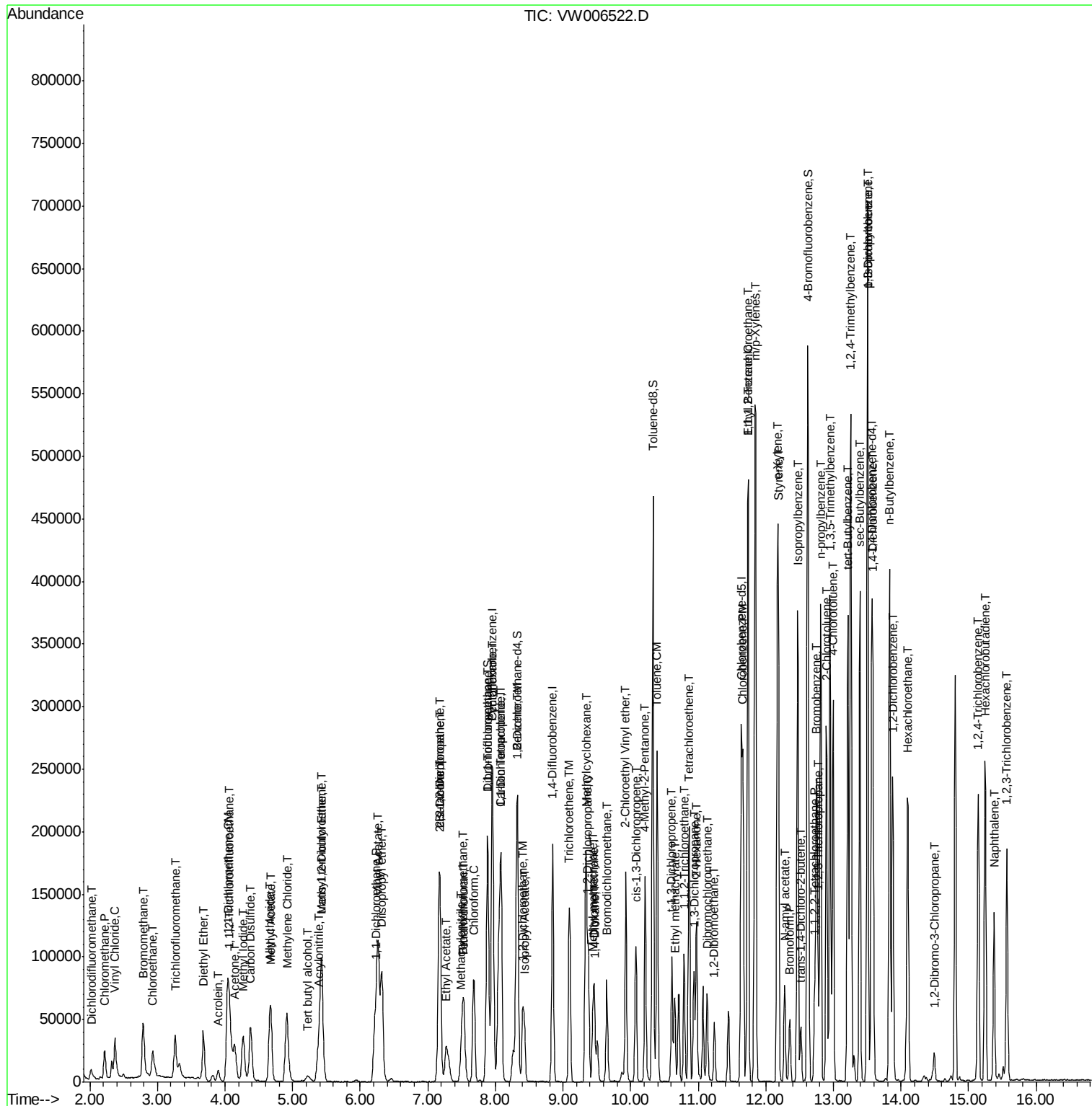
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110118\
Data File : VW006522.D
Acq On : 31 Oct 2018 13:35
Operator : SY/AP
Sample : VW1101SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

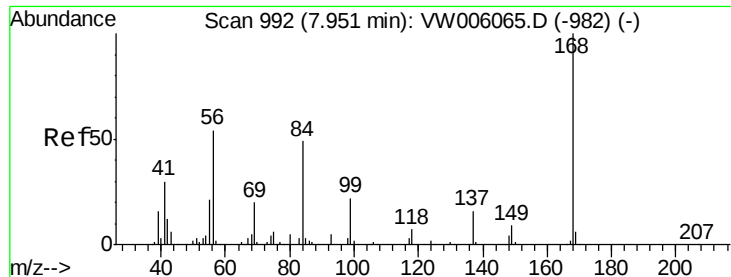
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM

Quant Time: Oct 31 15:26:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion:168 Resp: 126020

Ion Ratio Lower Upper

168 100

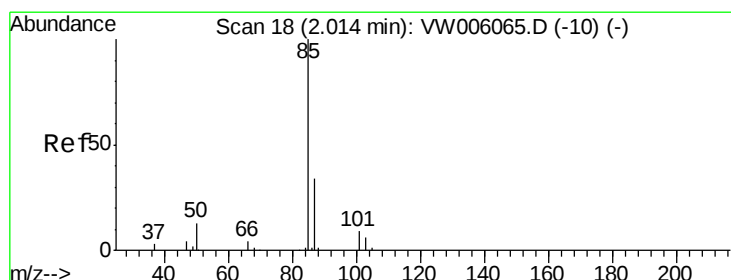
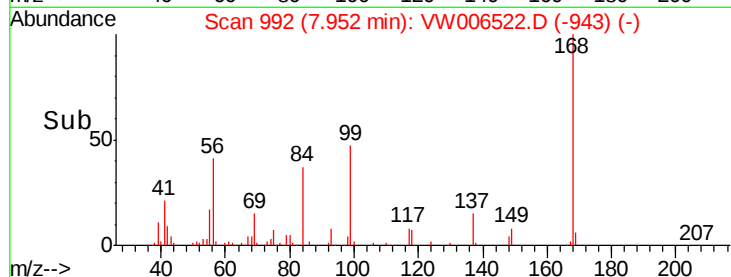
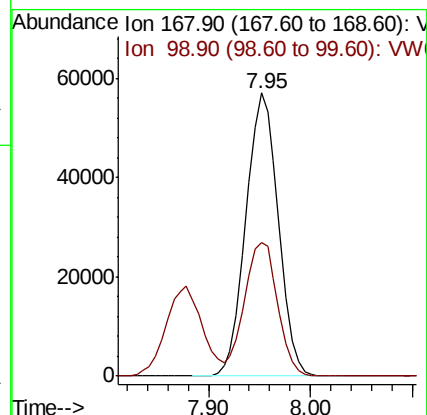
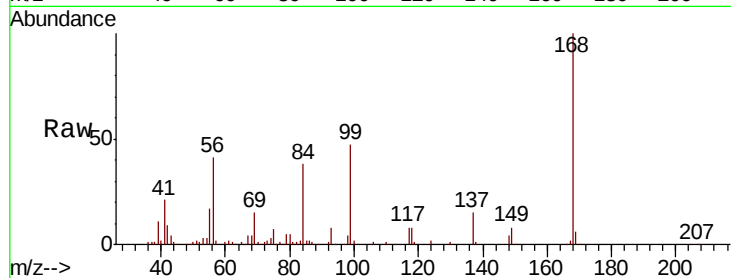
99 47.1 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

11/1/2018 1:37:15 PM



#2

Dichlorodifluoromethane

Concen: 28.678 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW006522.D

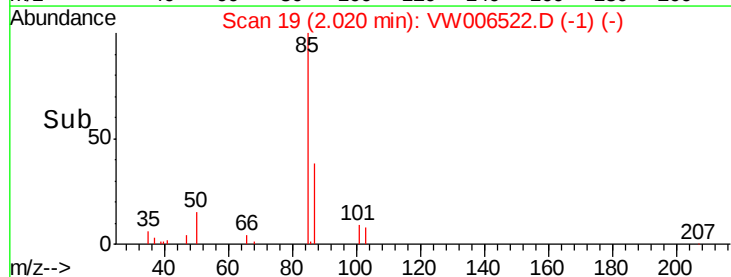
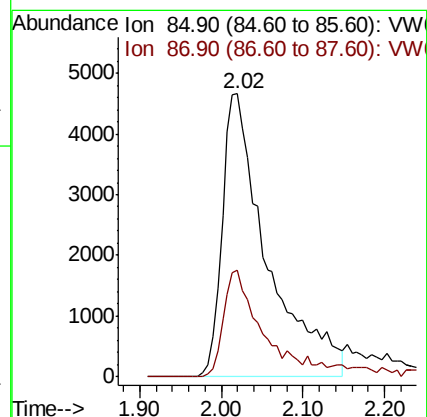
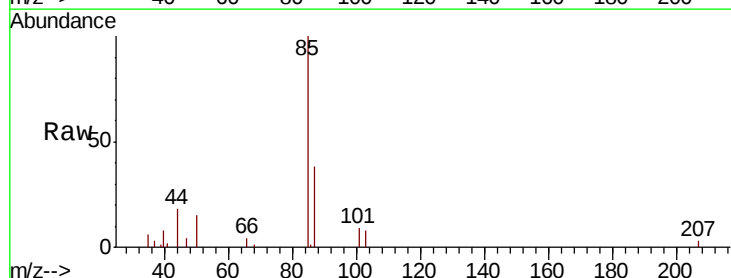
Acq: 31 Oct 2018 13:35

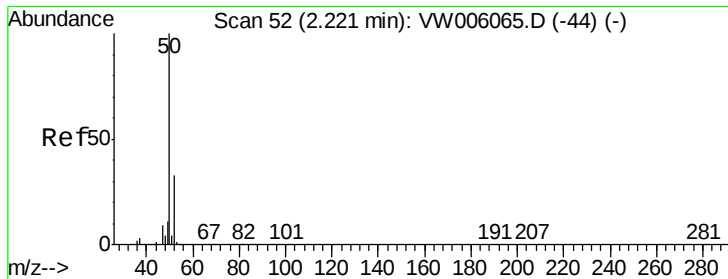
Tgt Ion: 85 Resp: 17884

Ion Ratio Lower Upper

85 100

87 37.7 16.9 50.6





#3

Chloromethane

Concen: 32.089 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 50 Resp: 25759

Ion Ratio Lower Upper

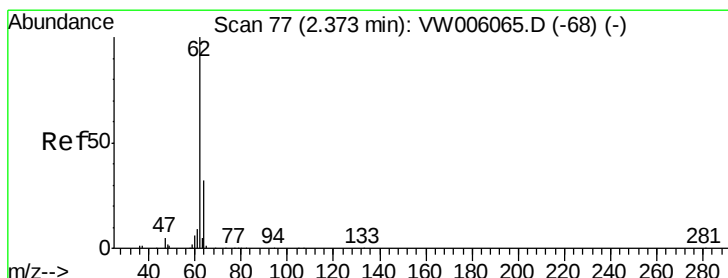
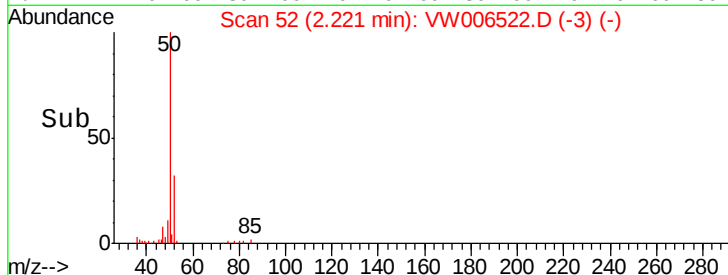
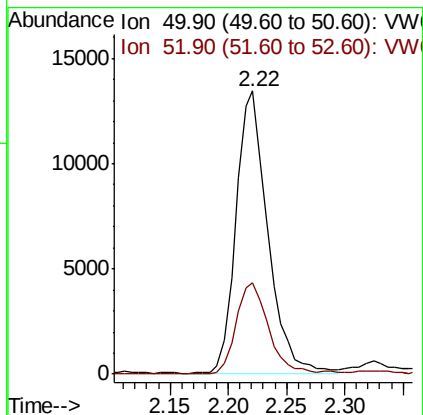
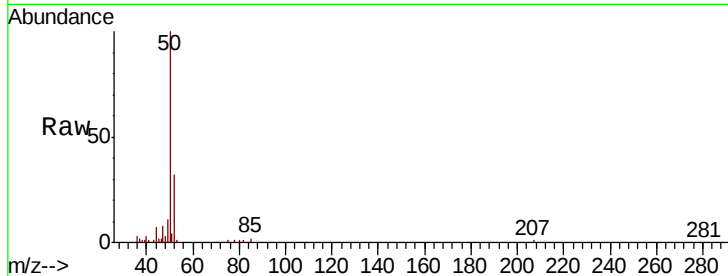
50 100

52 32.5 26.8 40.2

Manual Integrations
APPROVED

MMDadoda

11/1/2018 1:37:15 PM



#4

Vinyl Chloride

Concen: 33.798 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006522.D

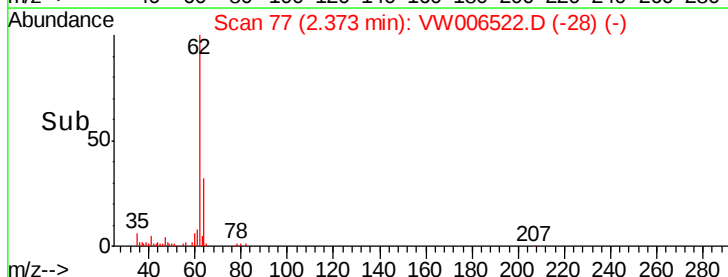
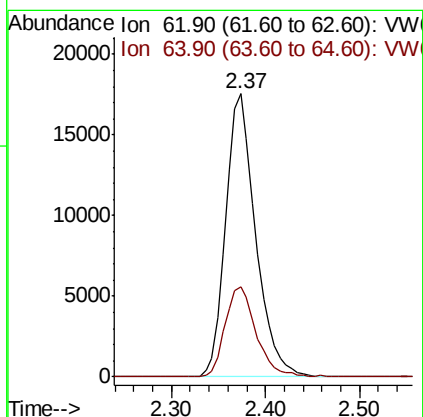
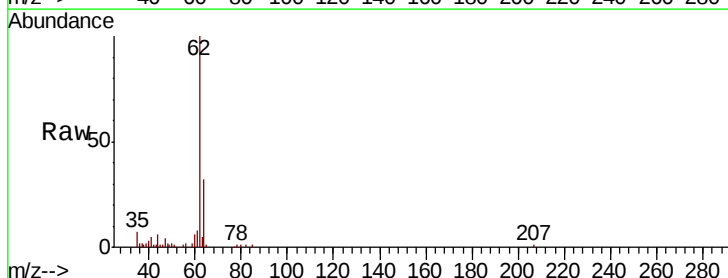
Acq: 31 Oct 2018 13:35

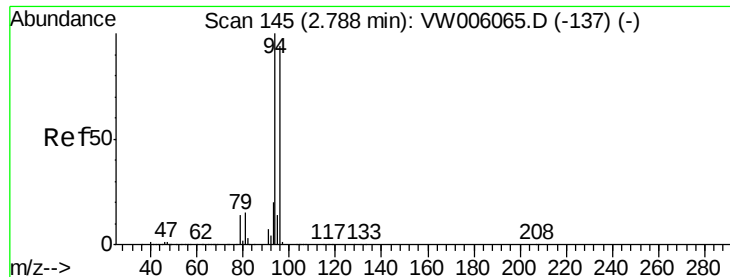
Tgt Ion: 62 Resp: 38746

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 34.353 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 94 Resp: 35820

Ion Ratio Lower Upper

94 100

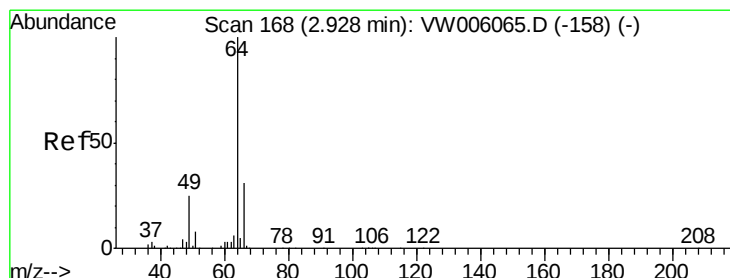
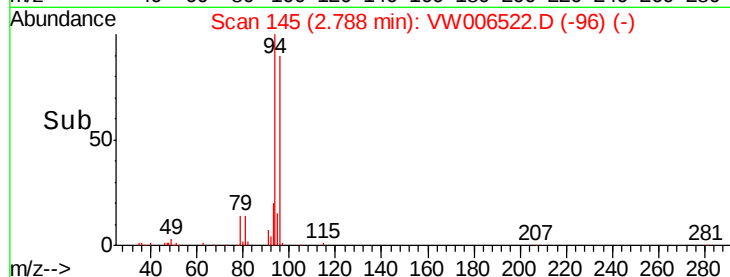
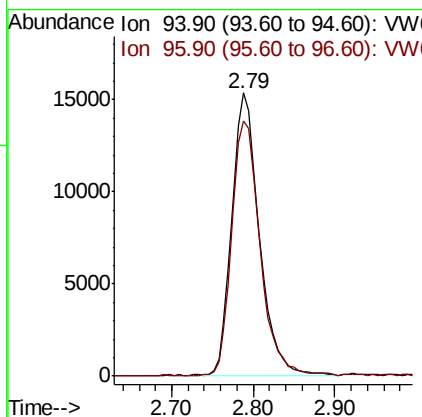
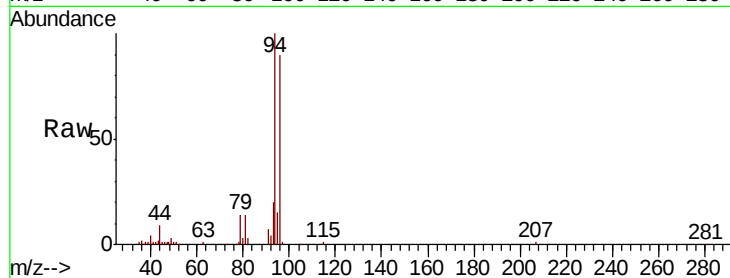
96 90.2 74.9 112.3

Manual Integrations

APPROVED

MMDadoda

11/1/2018 1:37:15 PM



#6

Chloroethane

Concen: 35.095 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006522.D

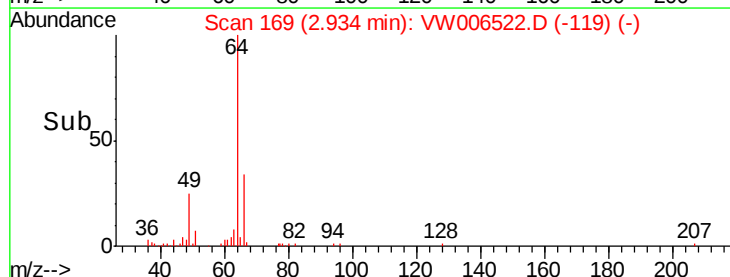
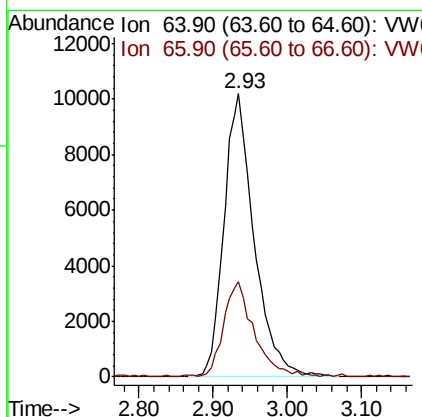
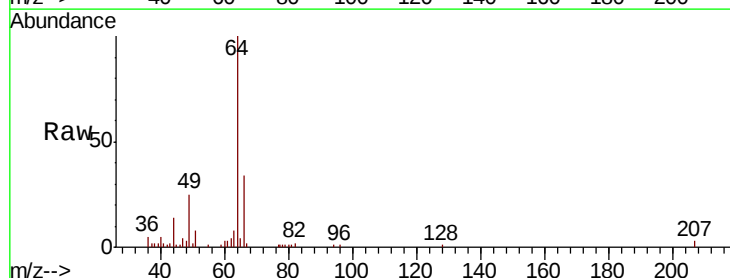
Acq: 31 Oct 2018 13:35

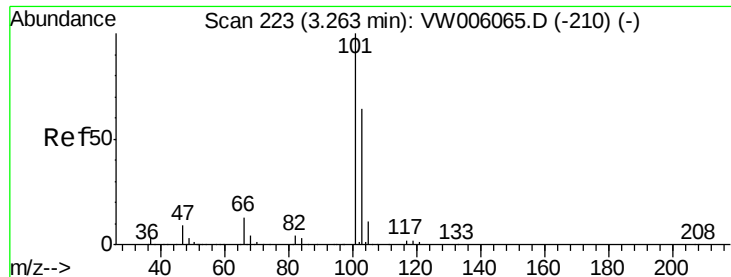
Tgt Ion: 64 Resp: 28832

Ion Ratio Lower Upper

64 100

66 33.3 24.9 37.3





#7

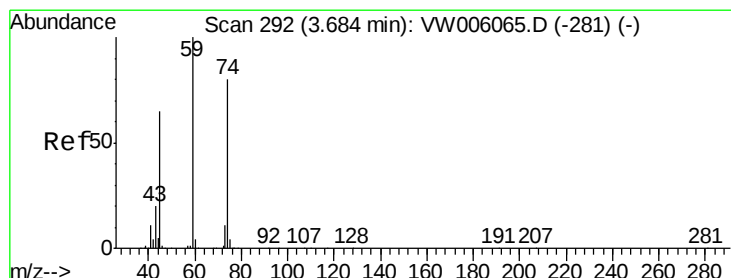
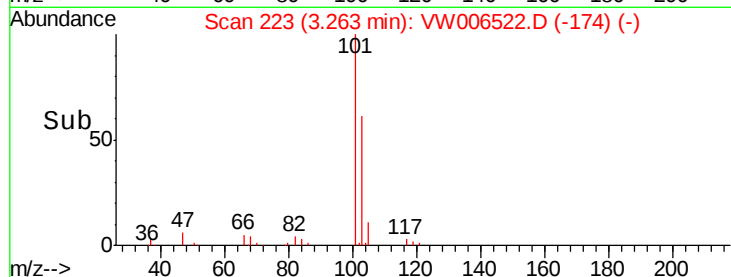
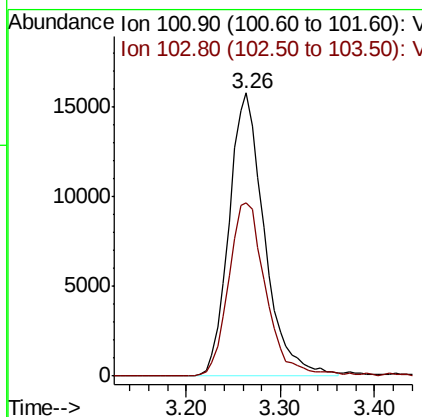
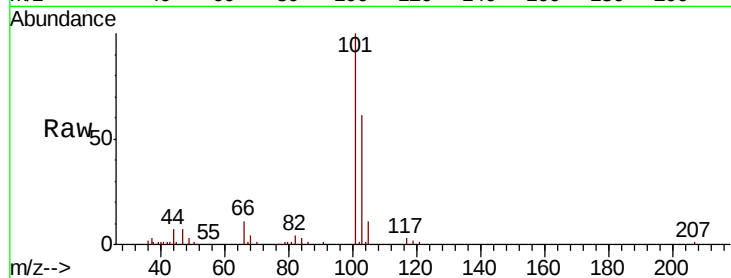
Trichlorofluoromethane
Concen: 38.734 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	51.2	76.8

Manual Integrations
APPROVED

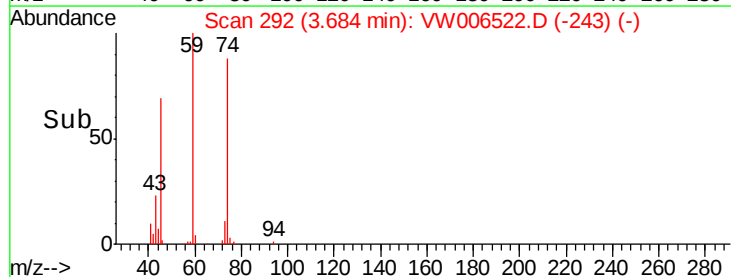
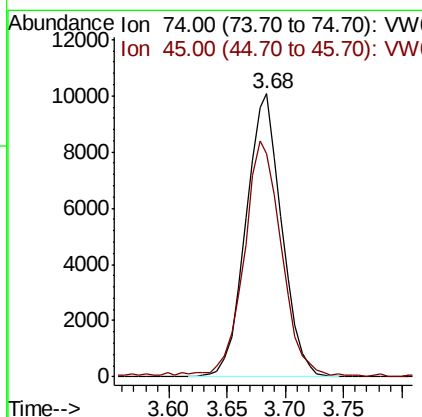
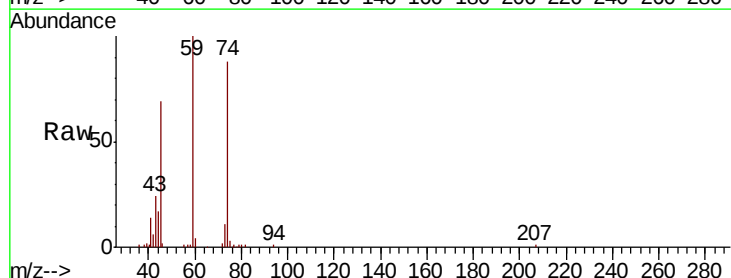
MMDadoda
11/1/2018 1:37:15 PM



#8

Diethyl Ether
Concen: 37.939 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.0	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.938 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

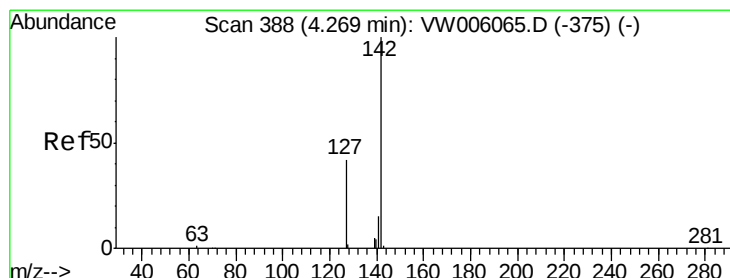
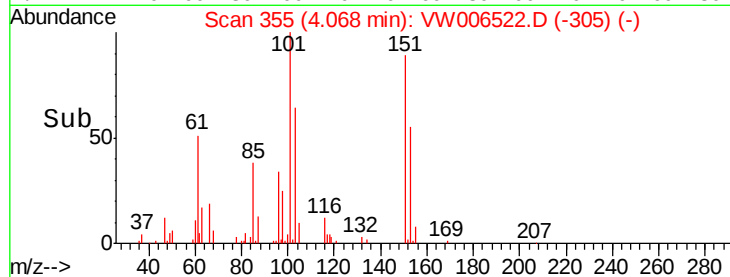
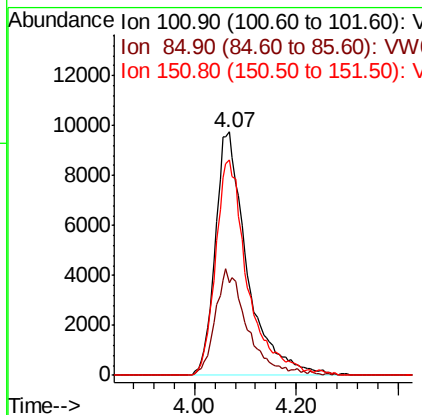
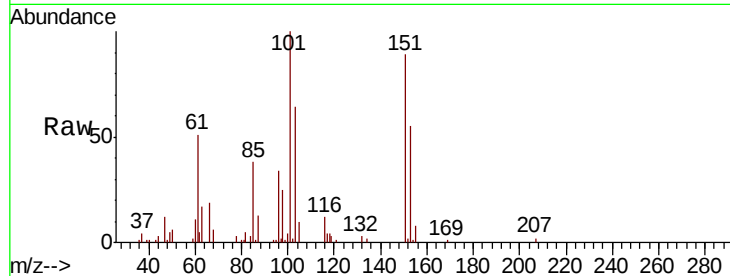
ClientSampleId :

VW1101SBSD01

Tot Ion:	101	Resp:	42460
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.9	52.3
151	88.2	70.4	105.6

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#10

Methyl Iodide

Concen: 36.332 ug/l

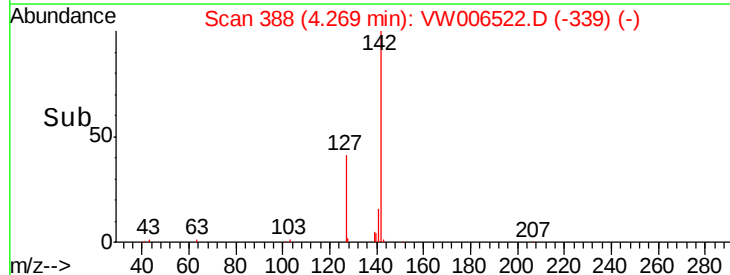
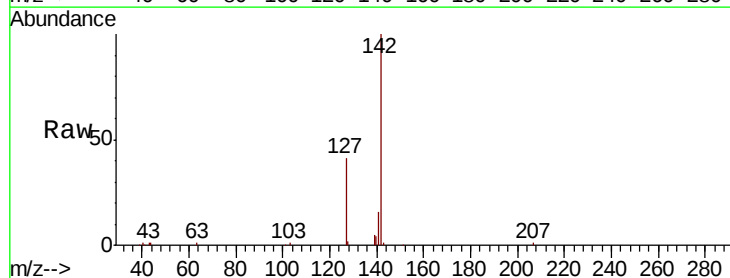
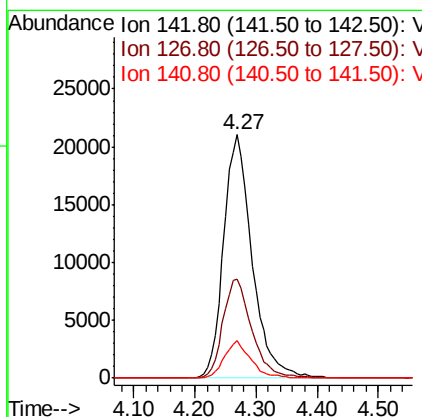
RT: 4.27 min Scan# 388

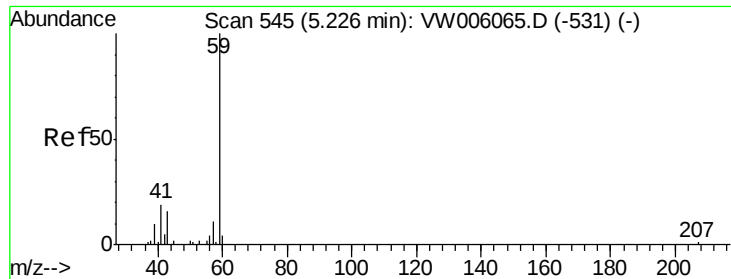
Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion:	142	Resp:	67678
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.6	50.4
141	14.2	11.6	17.4





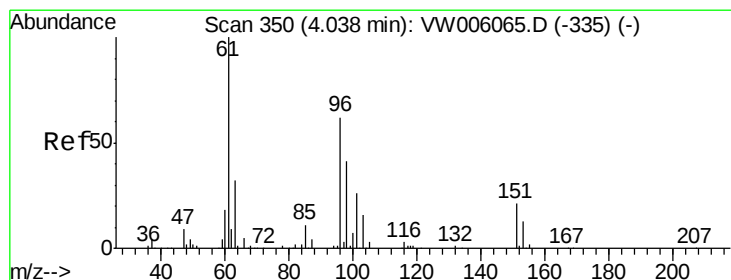
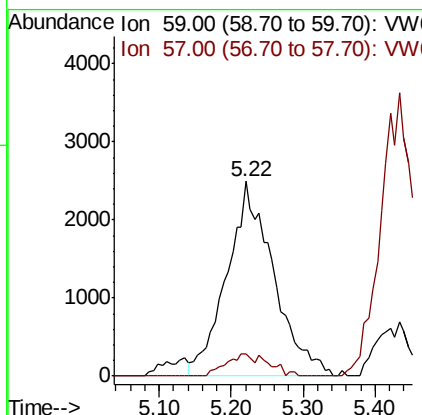
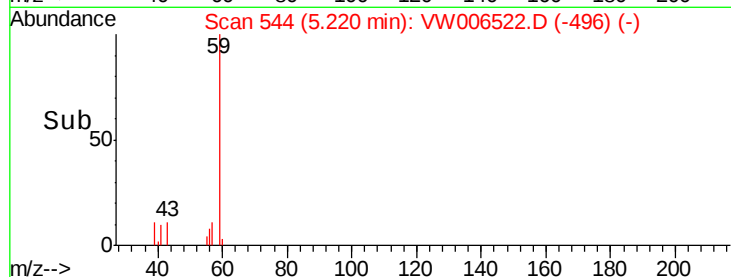
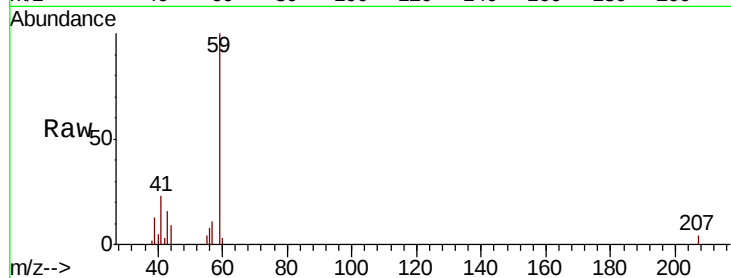
#11
Tert butyl alcohol
Concen: 159.537 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion: 59 Resp: 11210
Ion Ratio Lower Upper
59 100
57 6.5 8.7 13.1#

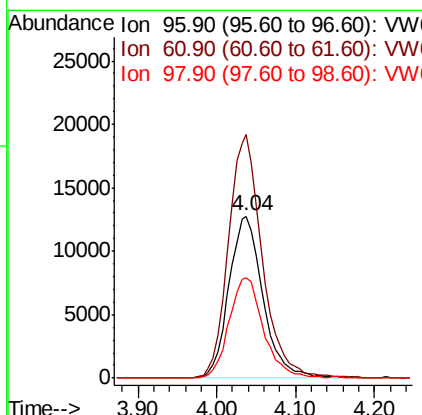
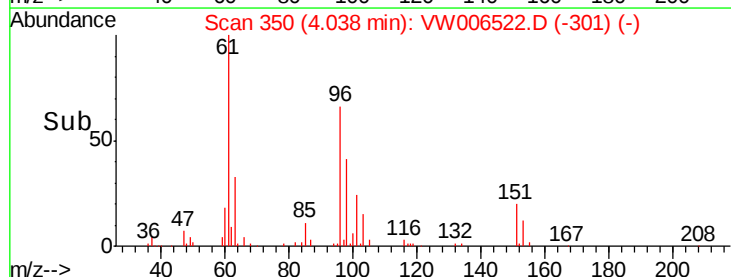
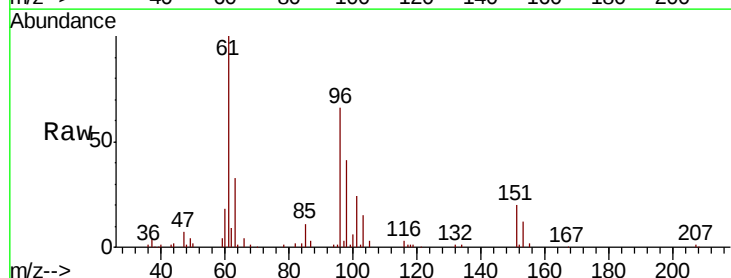
Manual Integrations
APPROVED

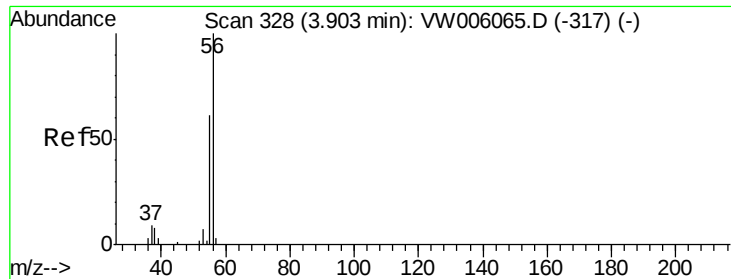
MMDadoda
11/1/2018 1:37:15 PM



#12
1,1-Dichloroethene
Concen: 36.362 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 96 Resp: 38287
Ion Ratio Lower Upper
96 100
61 150.5 129.3 193.9
98 62.3 53.1 79.7





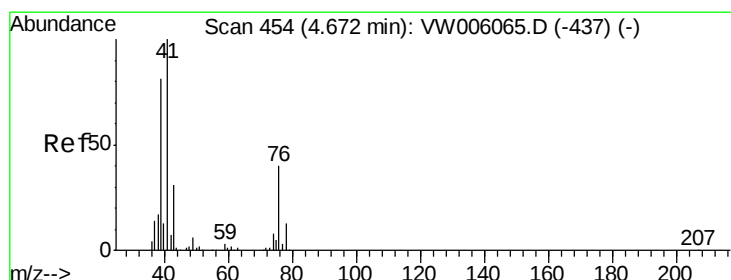
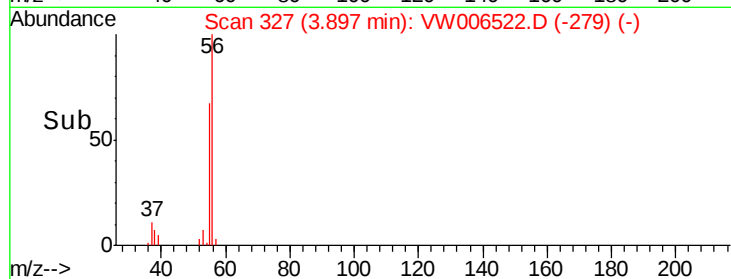
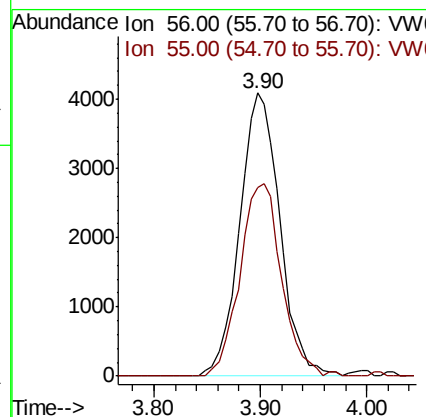
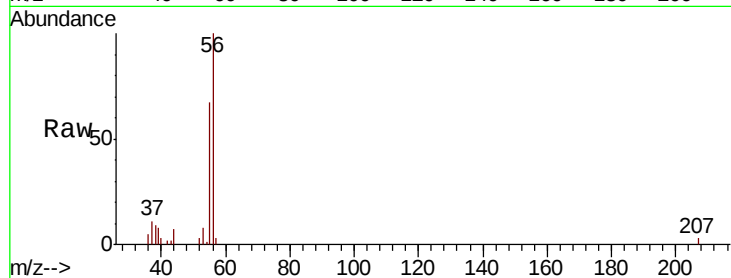
#13
Acrolein
Concen: 158.858 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	56	55	Ratio	Lower	Upper
10801	100	70.4		54.5	81.7

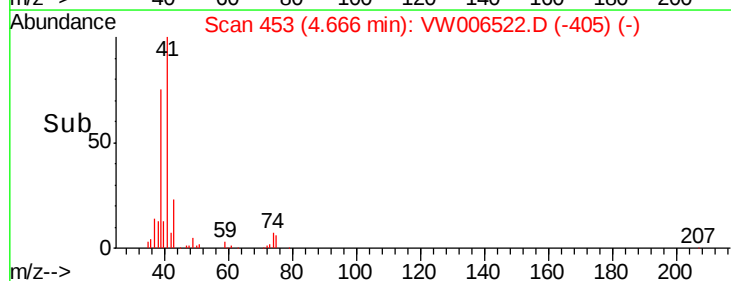
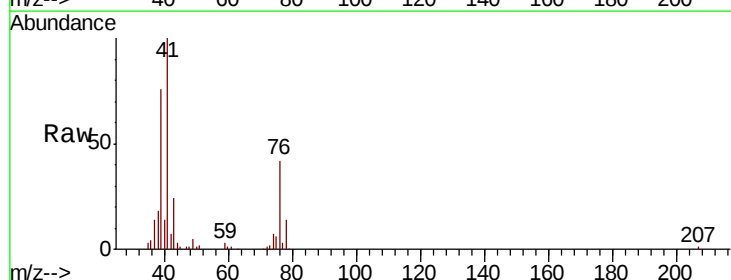
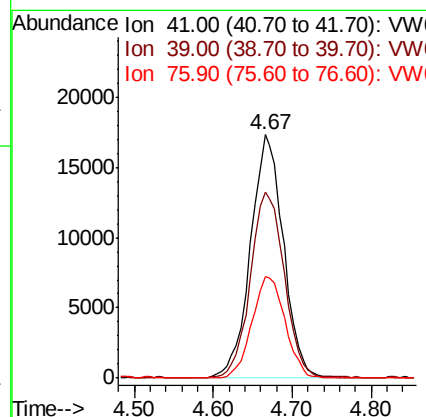
Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#14
Allyl chloride
Concen: 33.411 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	41	39	76	Ratio	Lower	Upper
50301	100	78.9	41.9		64.1	96.1
					32.2	48.4





#15

Acrylonitrile

Concen: 173.505 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

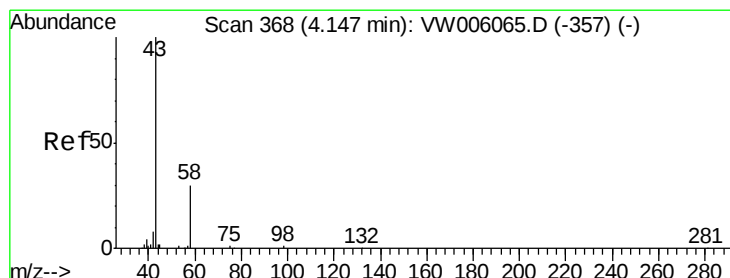
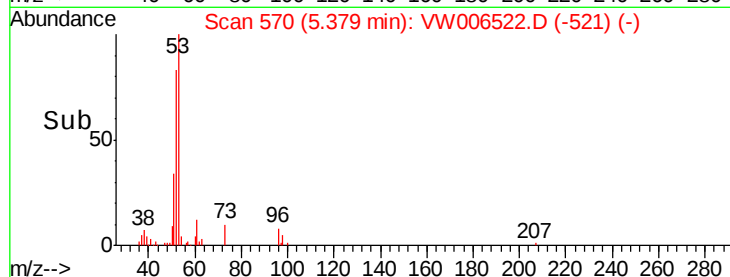
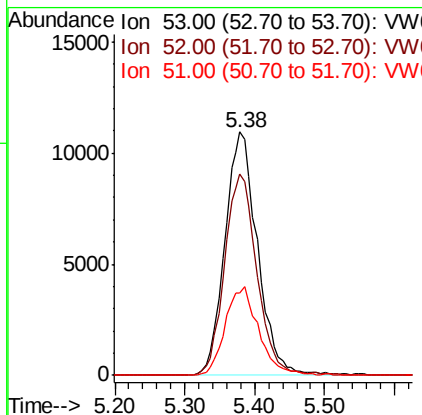
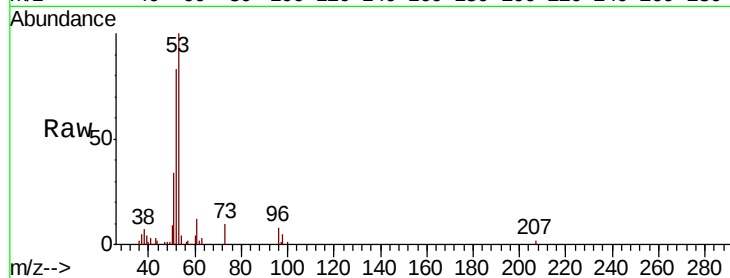
ClientSampleId :

VW1101SBS01

Tot Ion:	53	Resp:	35321
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.9	100.3
51	37.4	30.1	45.1

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#16

Acetone

Concen: 210.810 ug/l

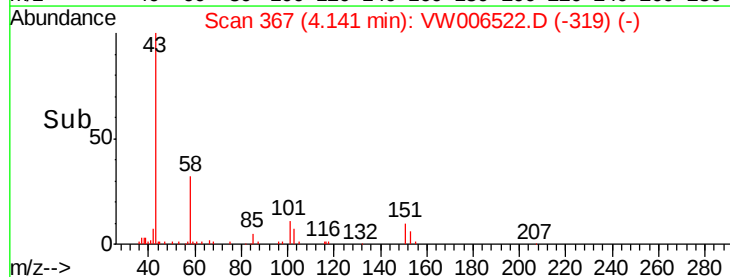
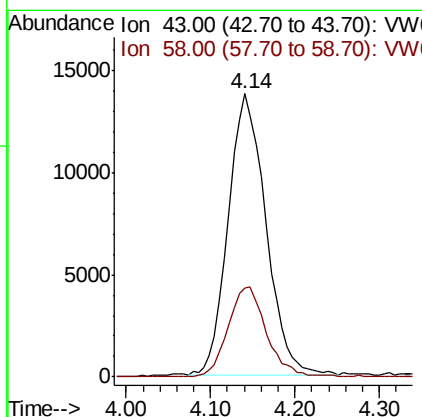
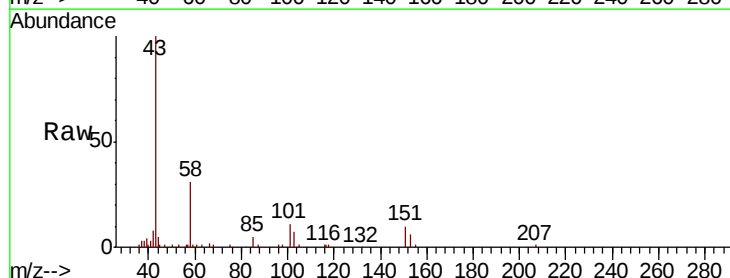
RT: 4.14 min Scan# 367

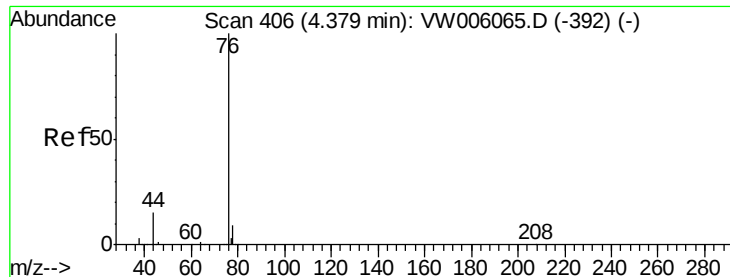
Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion:	43	Resp:	41775
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.0	36.0





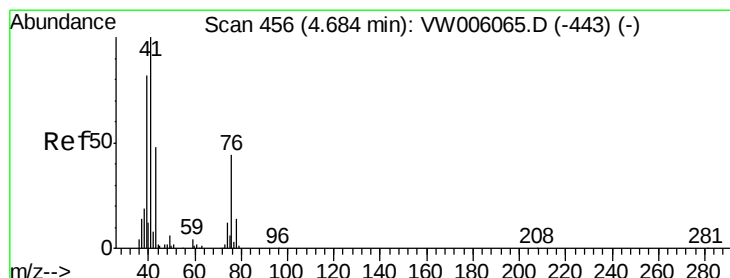
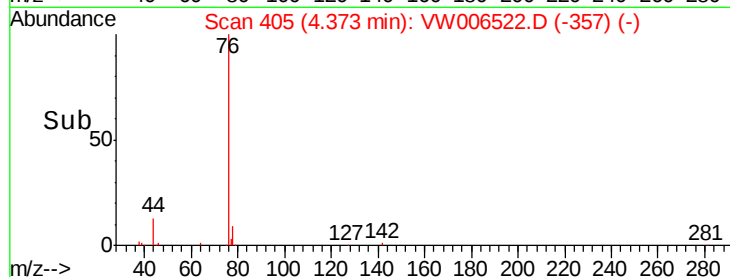
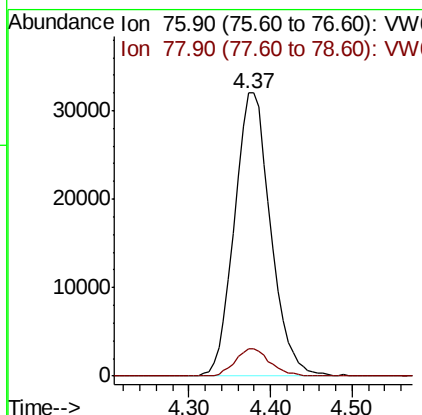
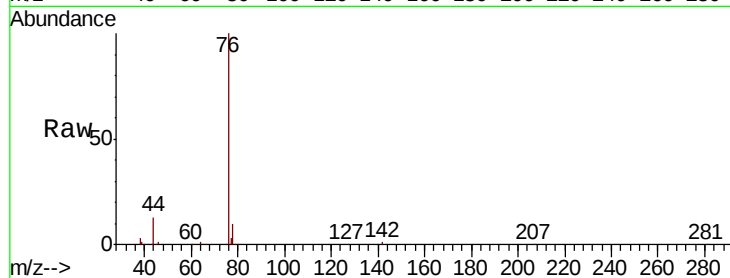
#17
Carbon Disulfide
Concen: 30.998 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.5	11.3

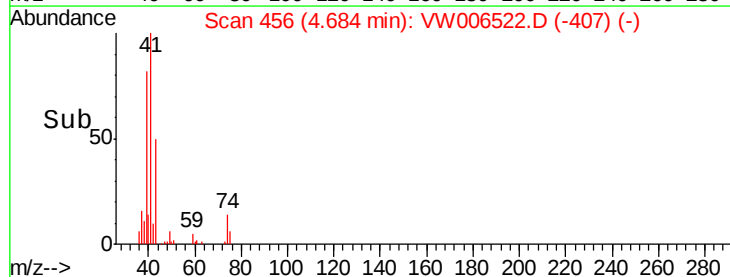
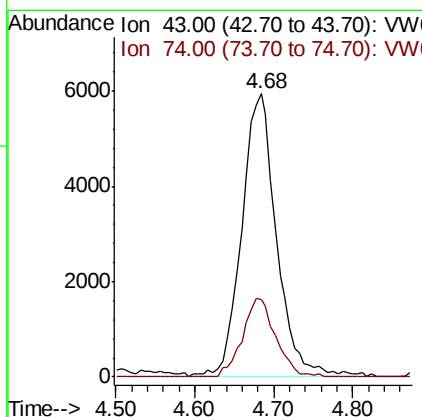
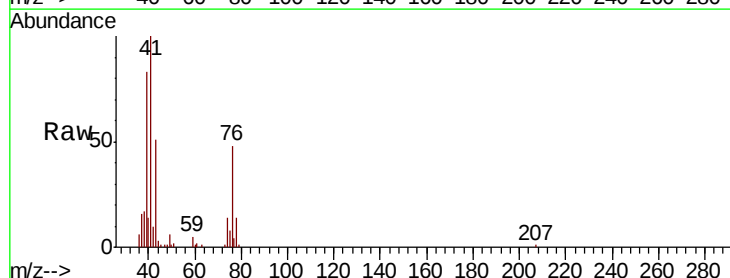
Manual Integrations
APPROVED

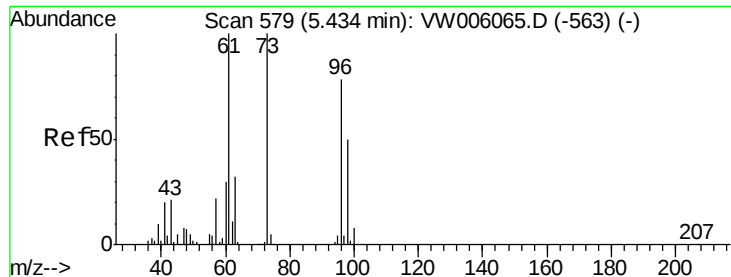
MMDadoda
11/1/2018 1:37:15 PM



#18
Methyl Acetate
Concen: 34.596 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.6	20.5	30.7





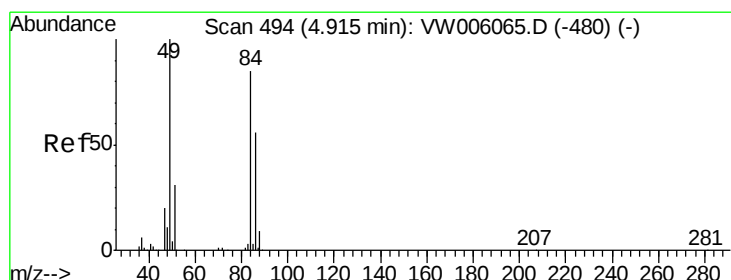
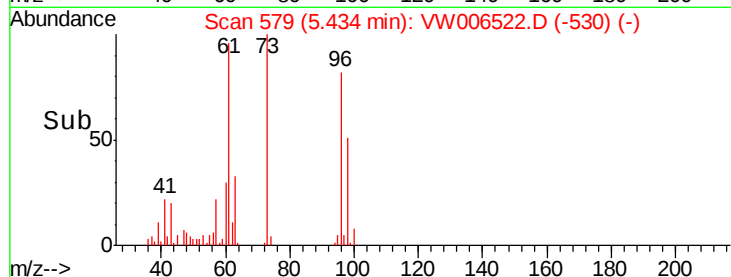
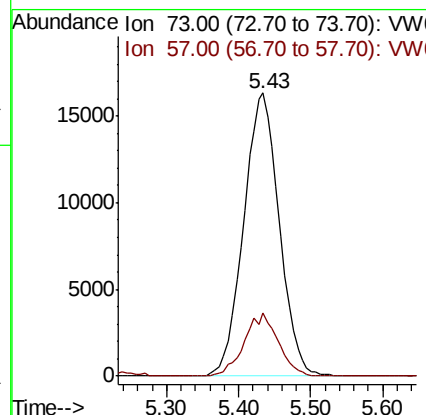
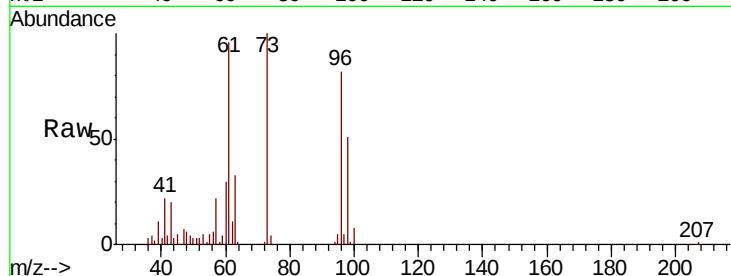
#19
Methvl tert-butvl Ether
Concen: 34.863 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2

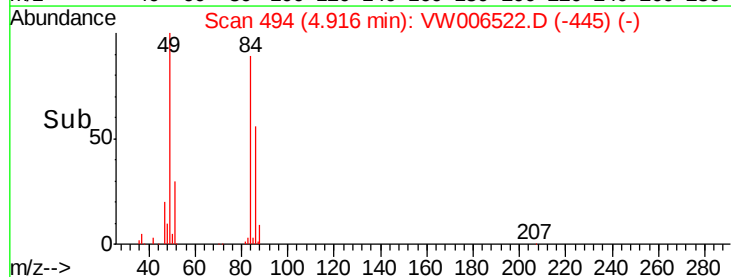
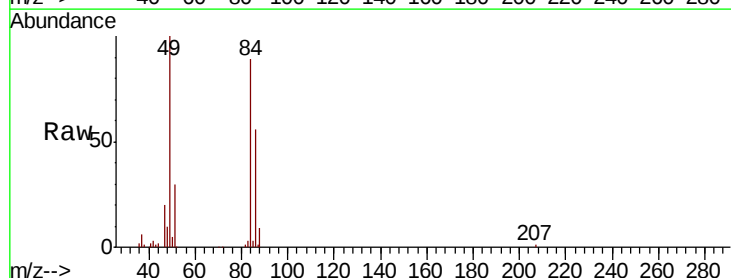
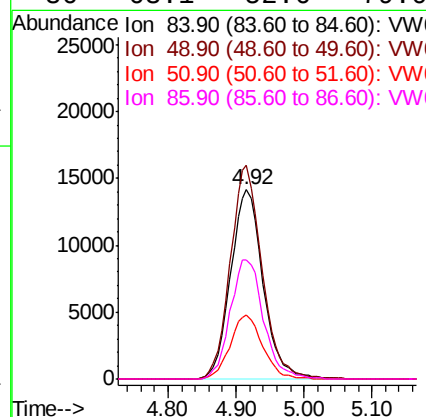
Manual Integrations
APPROVED

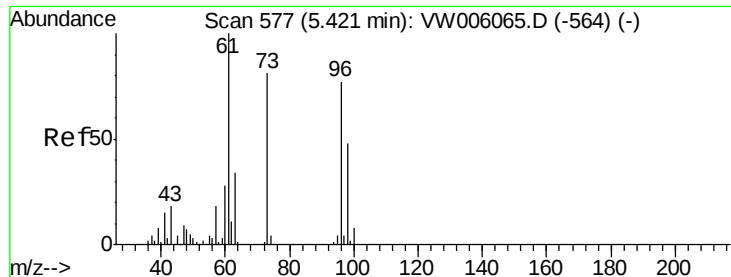
MMDadoda
11/1/2018 1:37:15 PM



#20
Methylene Chloride
Concen: 42.181 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.8	93.6	140.4
51	33.6	29.0	43.4
86	63.1	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 37.137 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

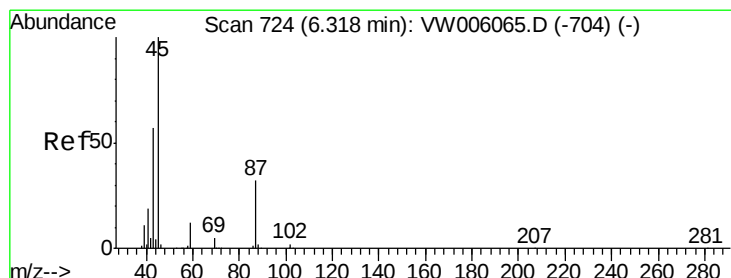
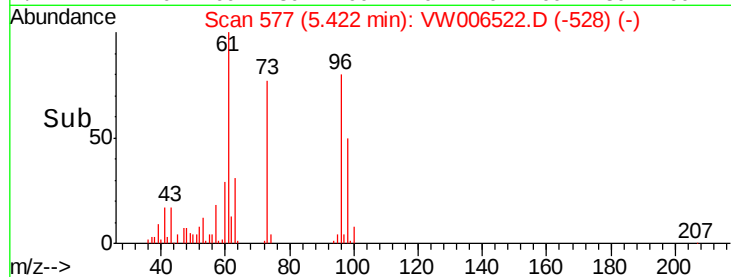
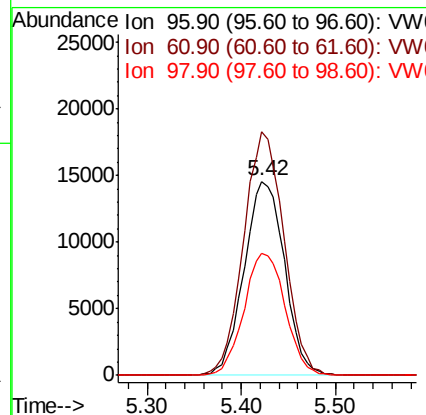
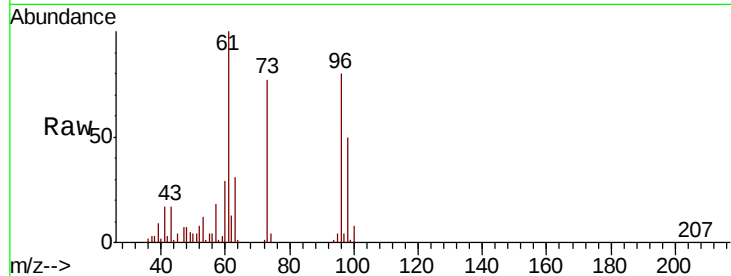
ClientSampleId :

VW1101SBS01

Tot Ion:	96	Resp:	43647
Ion	Ratio	Lower	Upper
96	100		
61	125.4	104.5	156.7
98	62.7	50.6	75.8

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#22

Diisopropyl ether

Concen: 36.047 ug/l

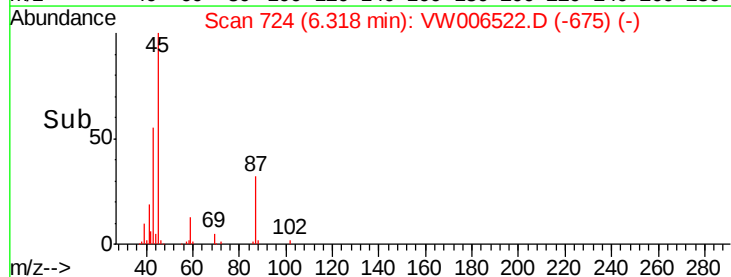
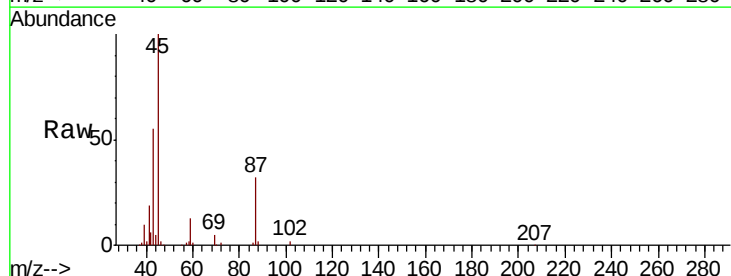
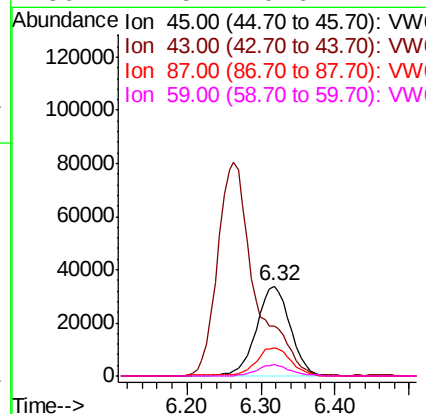
RT: 6.32 min Scan# 724

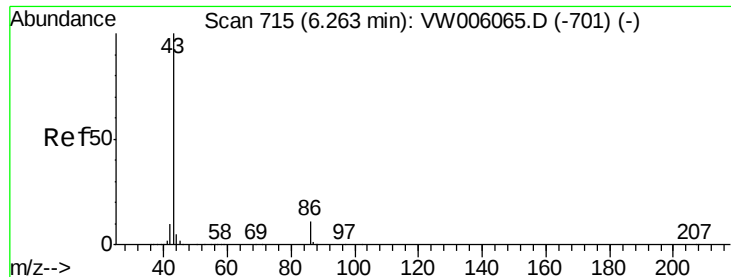
Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion:	45	Resp:	107247
Ion	Ratio	Lower	Upper
45	100		
43	54.6	45.7	68.5
87	31.9	25.9	38.9
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 159.857 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 43 Resp: 280678

Ion Ratio Lower Upper

43 100

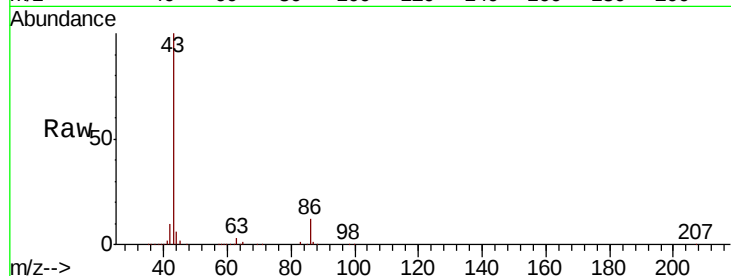
86 12.0 9.0 13.6

Manual Integrations

APPROVED

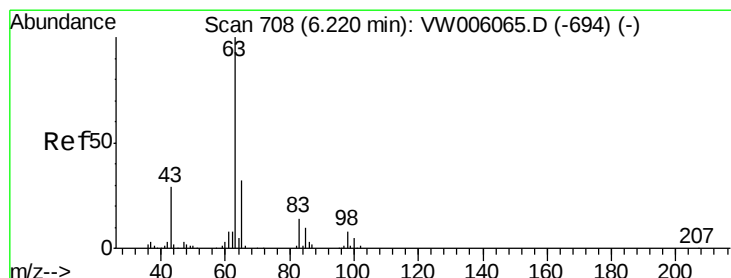
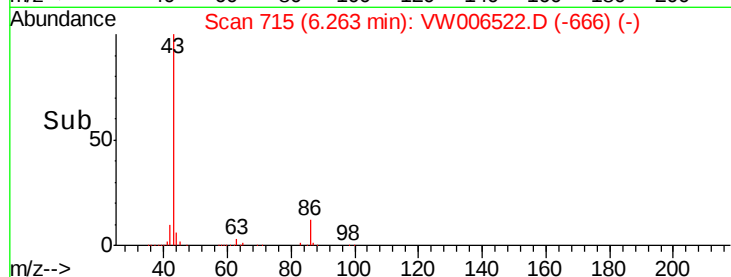
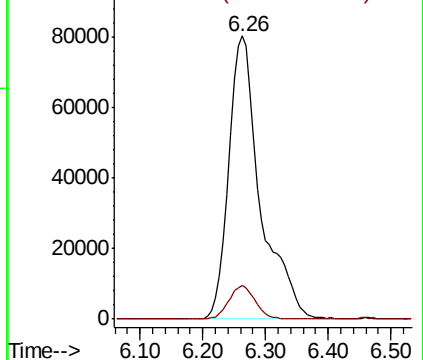
MMDadoda

11/1/2018 1:37:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 37.327 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

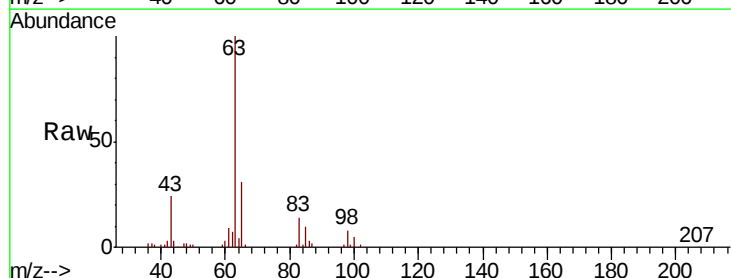
Tgt Ion: 63 Resp: 71659

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

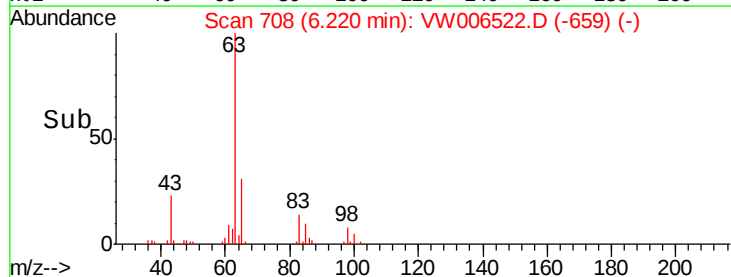
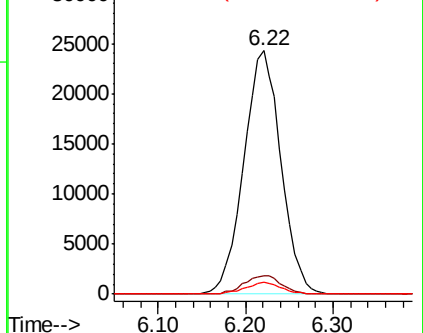
100 5.0 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 177.576 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

Tot Ion: 43 Resp: 50120

Ion Ratio Lower Upper

43 100

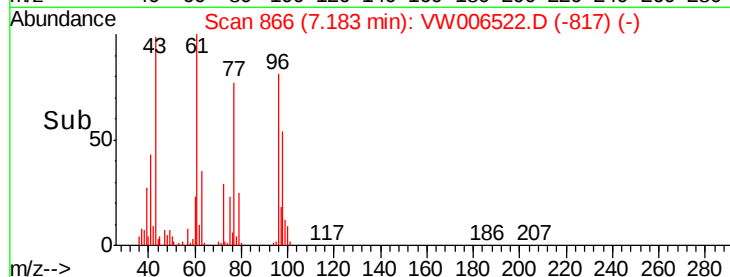
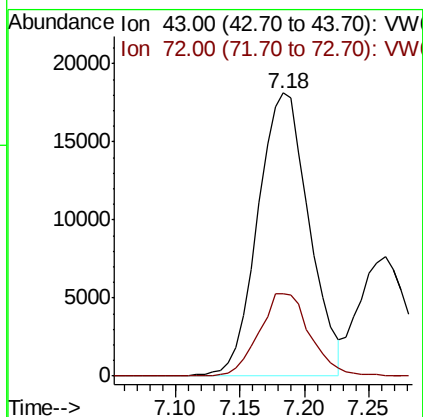
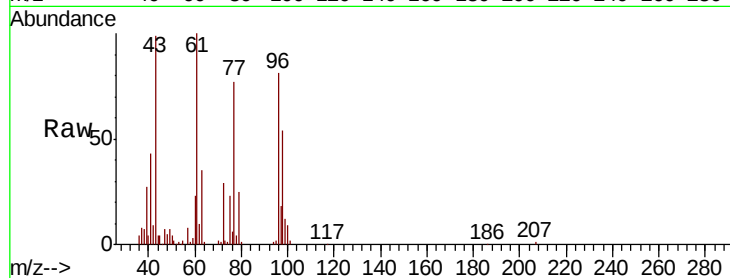
72 29.1 22.8 34.2

Manual Integrations

APPROVED

MMDadoda

11/1/2018 1:37:15 PM



#26

2,2-Dichloropropane

Concen: 37.873 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006522.D

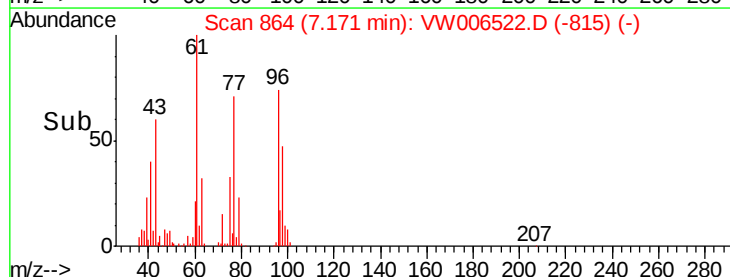
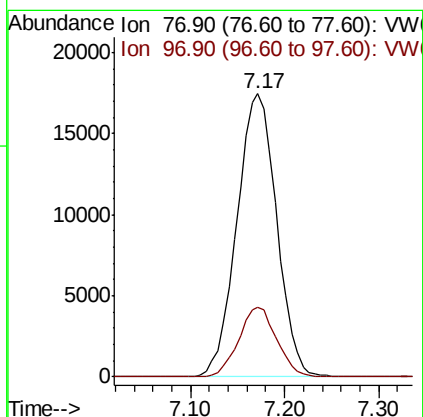
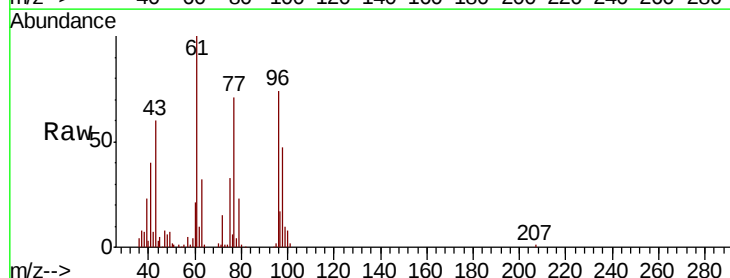
Acq: 31 Oct 2018 13:35

Tgt Ion: 77 Resp: 51280

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.4





#27

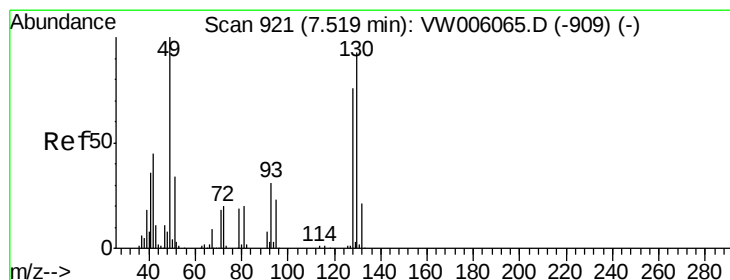
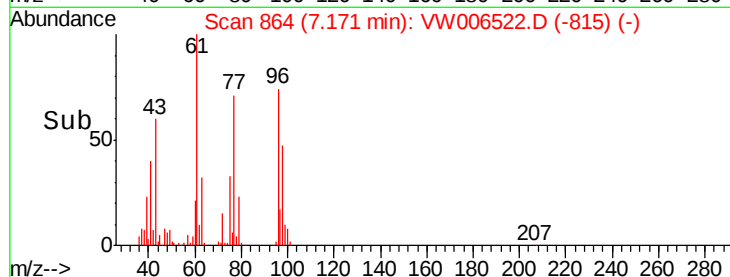
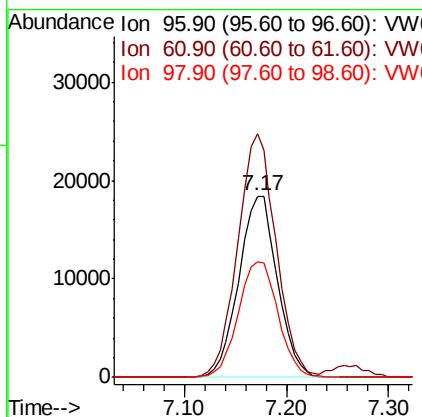
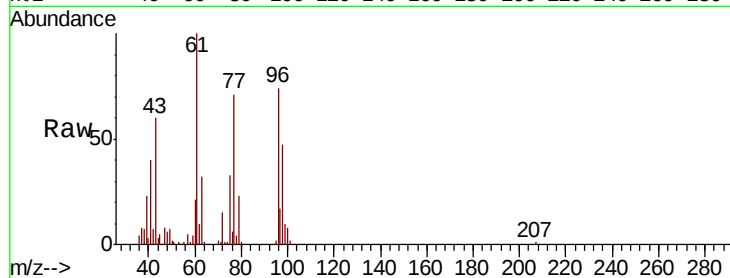
cis-1,2-Dichloroethene
 Concen: 37.387 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	267.2
98	65.7	0.0	128.6

Manual Integrations
 APPROVED

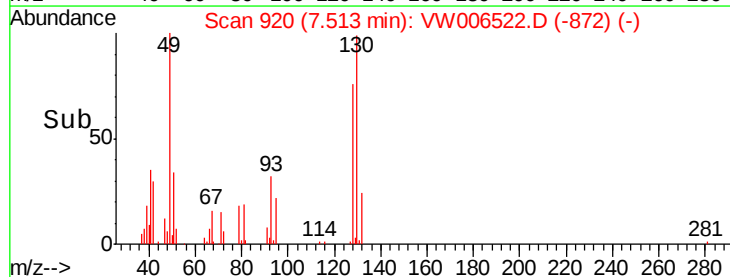
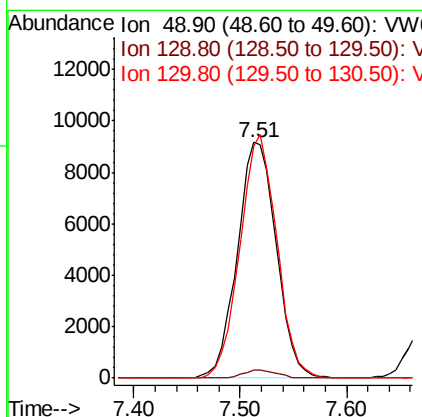
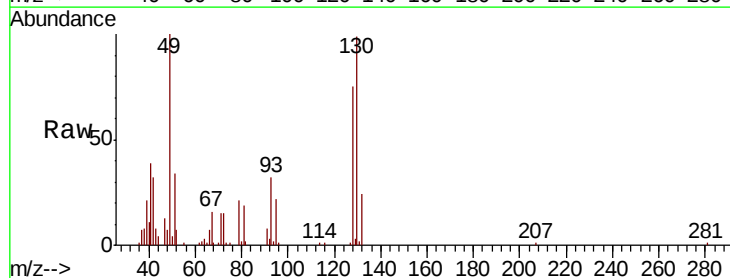
MMDadoda
 11/1/2018 1:37:15 PM

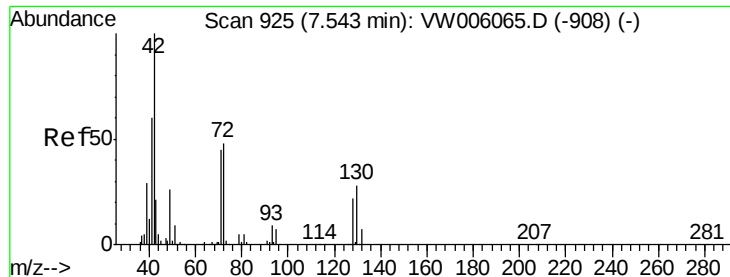


#28

Bromochloromethane
 Concen: 31.777 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	97.8	73.8	110.8





#29

Tetrahydrofuran

Concen: 159.186 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

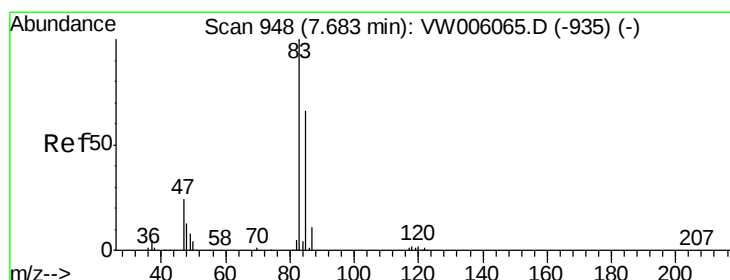
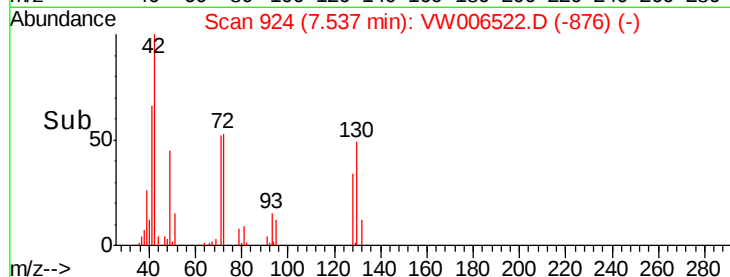
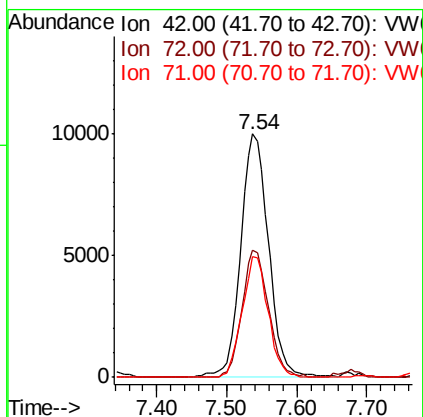
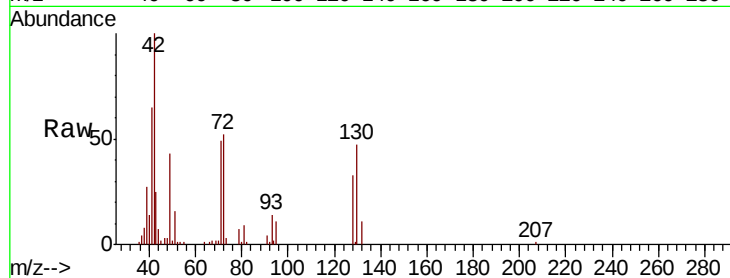
ClientSampleId :

VW1101SBS01

Tot Ion:	42	Resp:	27617
Ion	Ratio	Lower	Upper
42	100		
72	49.6	38.0	57.0
71	46.0	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#30

Chloroform

Concen: 38.057 ug/l

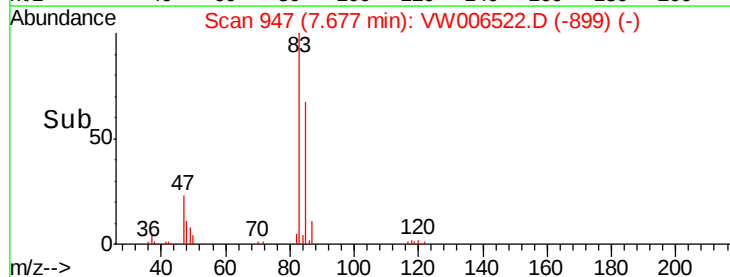
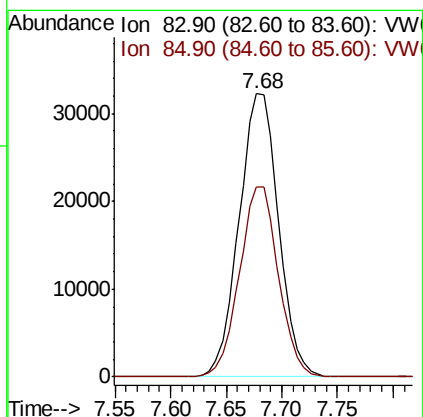
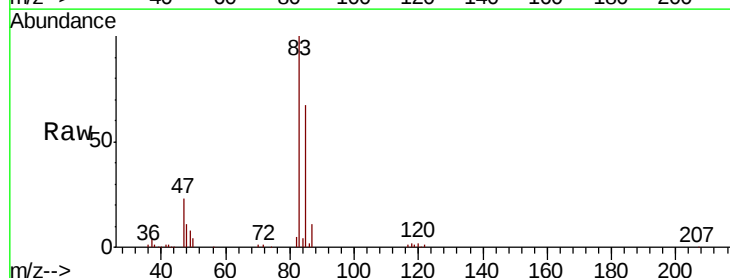
RT: 7.68 min Scan# 947

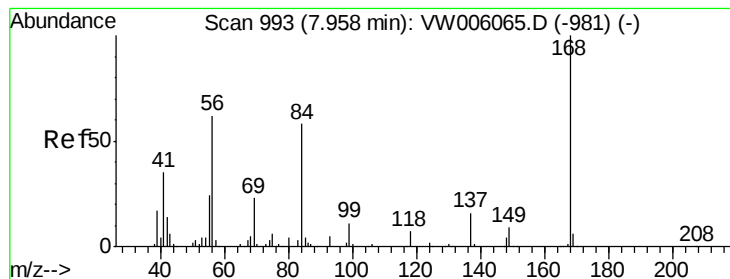
Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion:	83	Resp:	79599
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.6	79.0





#31

Cyclohexane

Concen: 33.095 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

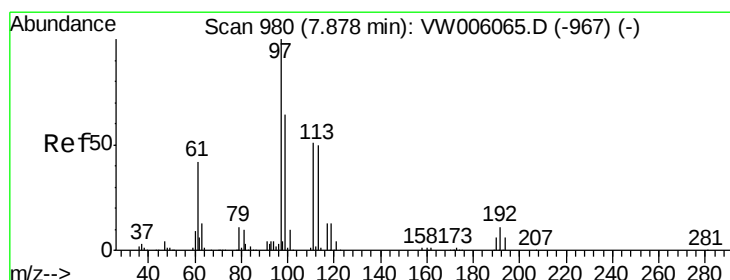
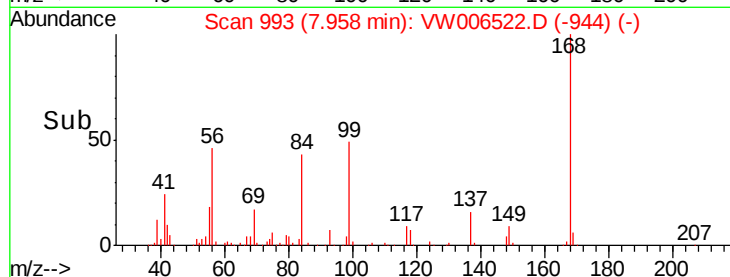
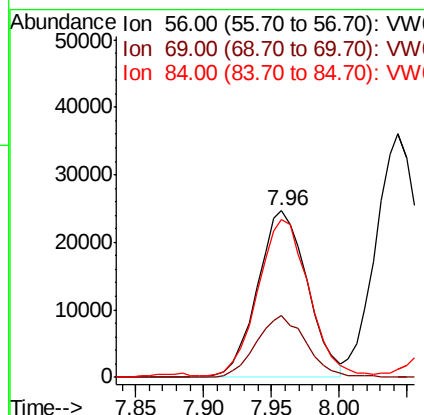
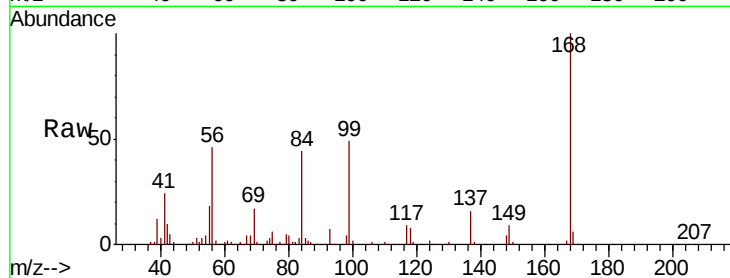
ClientSampleId :

VW1101SBSD01

Tot Ion:	56	Resp:	63271
Ion Ratio	Lower	Upper	
56	100		
69	37.3	29.4	44.0
84	93.3	74.0	111.0

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#32

1,1,1-Trichloroethane

Concen: 37.432 ug/l

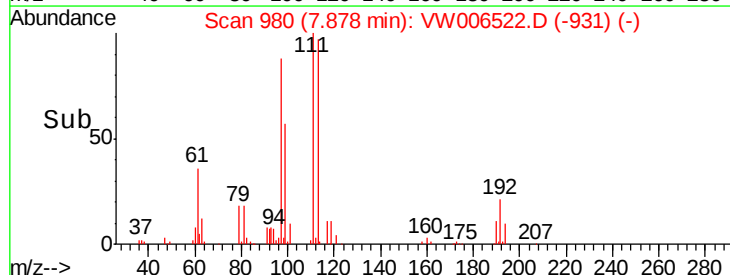
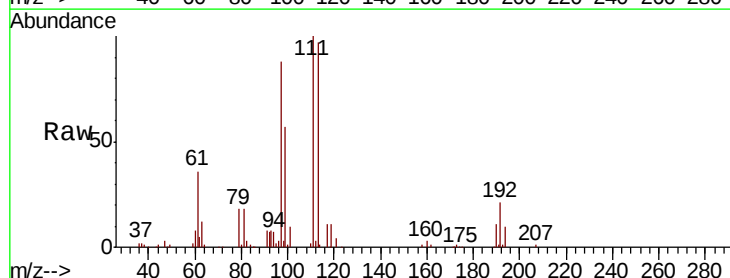
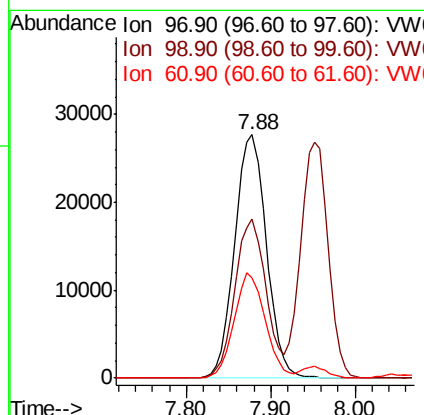
RT: 7.88 min Scan# 980

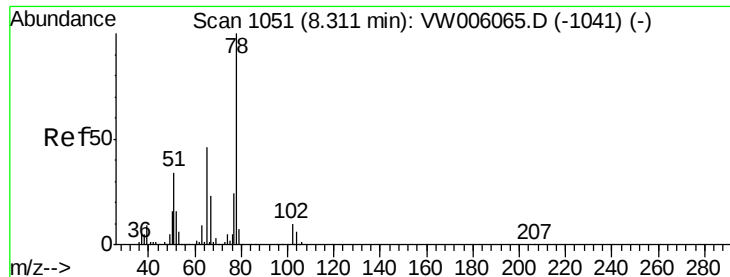
Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion:	97	Resp:	70624
Ion Ratio	Lower	Upper	
97	100		
99	64.5	50.9	76.3
61	42.1	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 76.449 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 65 Resp: 79872

Ion Ratio Lower Upper

65 100

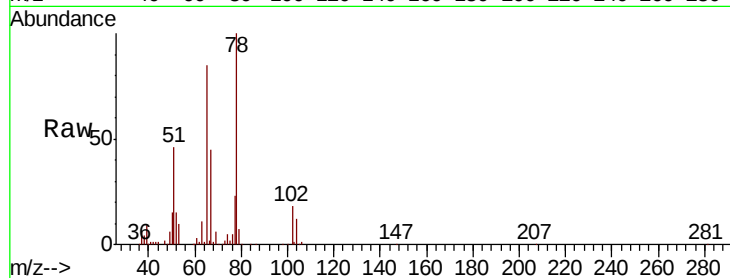
67 52.0 0.0 101.0

Manual Integrations

APPROVED

MMDadoda

11/1/2018 1:37:15 PM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

40000

30000

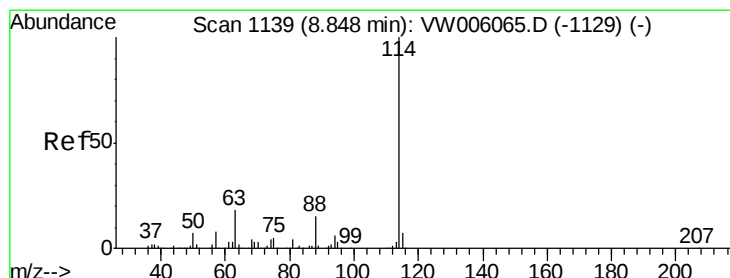
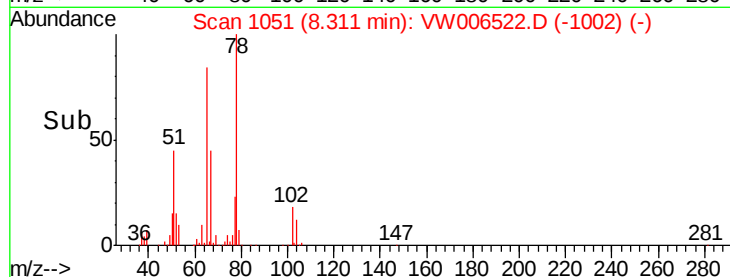
20000

10000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

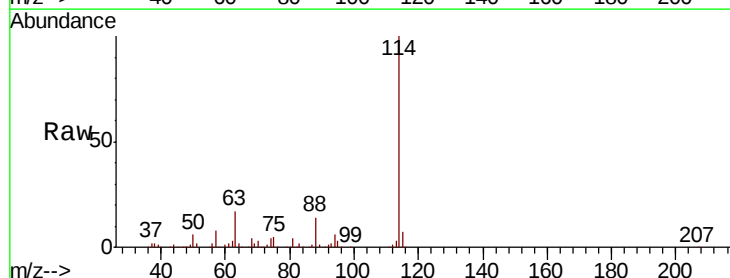
Tgt Ion: 114 Resp: 171215

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

88 14.3 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

120000

100000

80000

60000

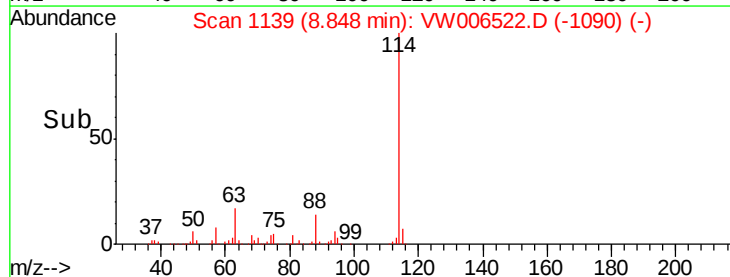
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->





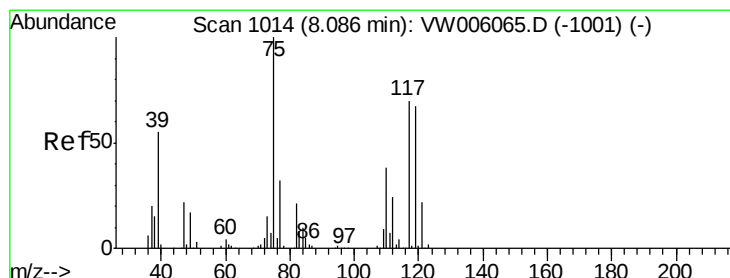
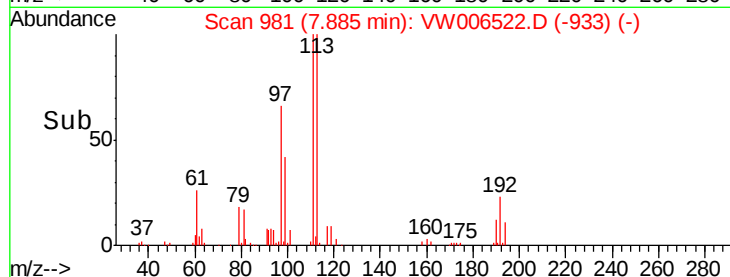
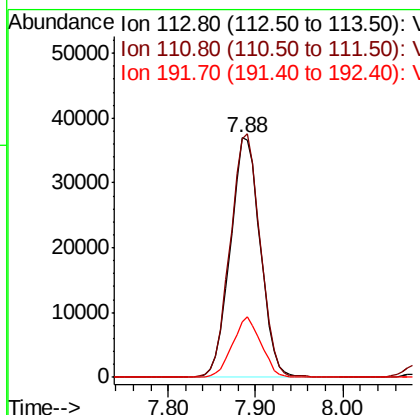
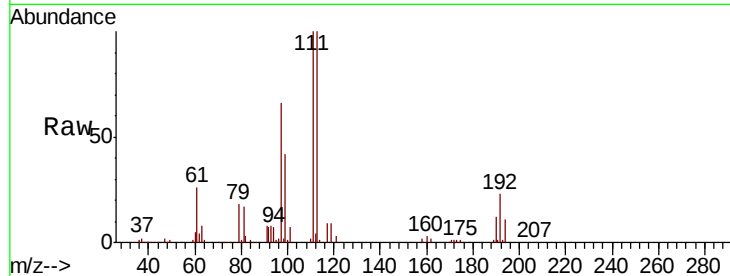
#35
 Dibromofluoromethane
 Concen: 86.727 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.0
192	24.1	18.7	28.1

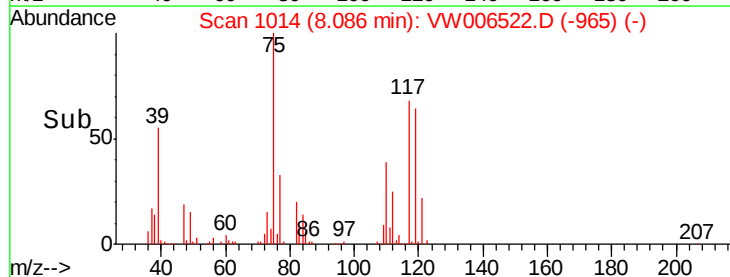
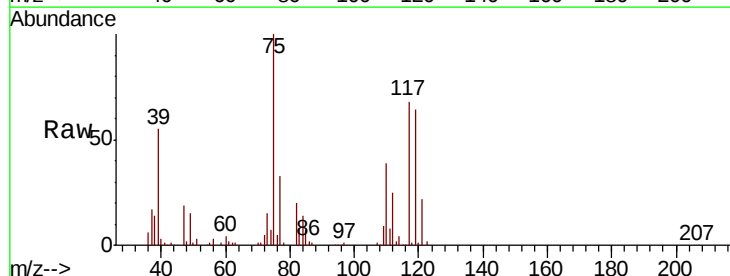
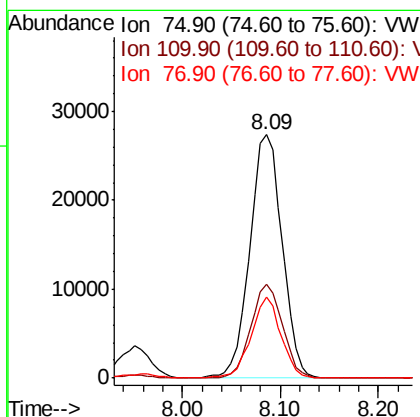
Manual Integrations
 APPROVED

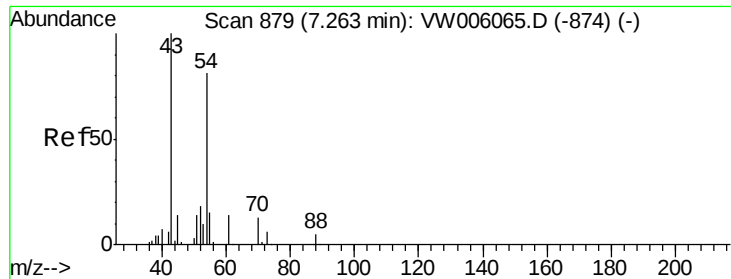
MMDadoda
 11/1/2018 1:37:15 PM



#36
 1,1-Dichloropropene
 Concen: 39.975 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	19.1	57.1
77	30.6	25.0	37.4





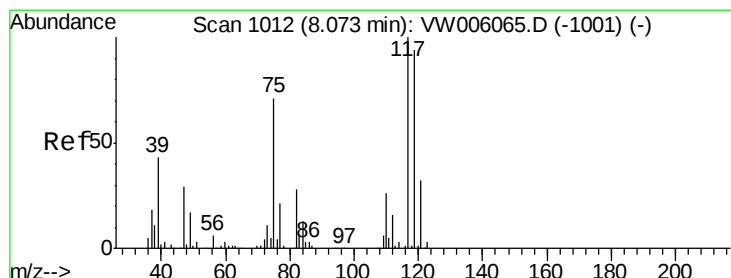
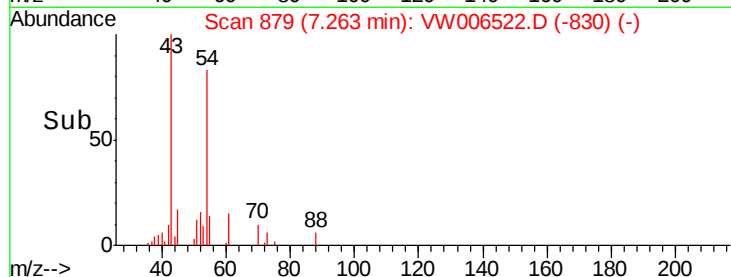
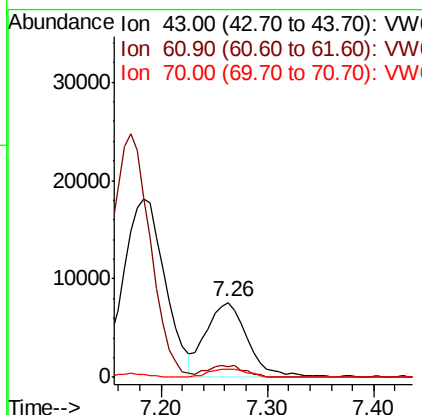
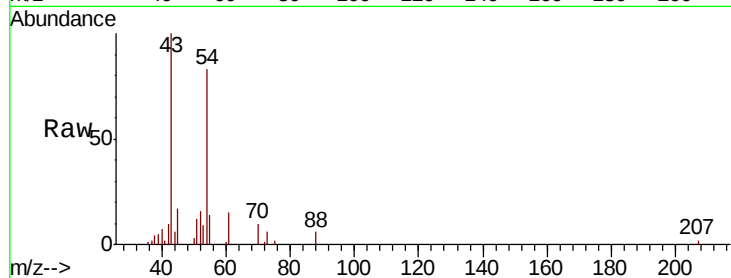
#37
Ethyl Acetate
Concen: 34.799 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	10.8	9.2	13.8

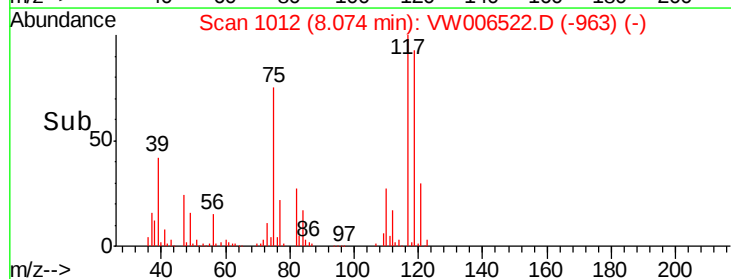
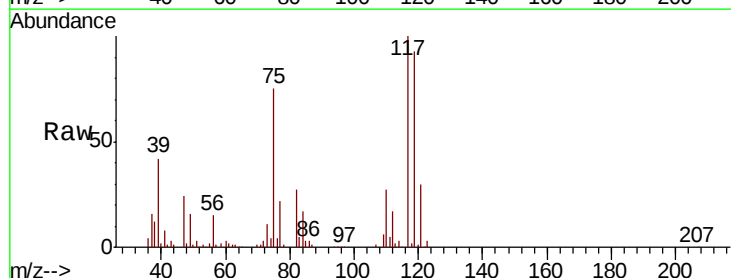
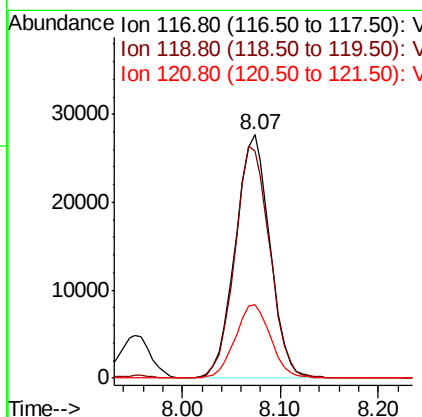
Manual Integrations
APPROVED

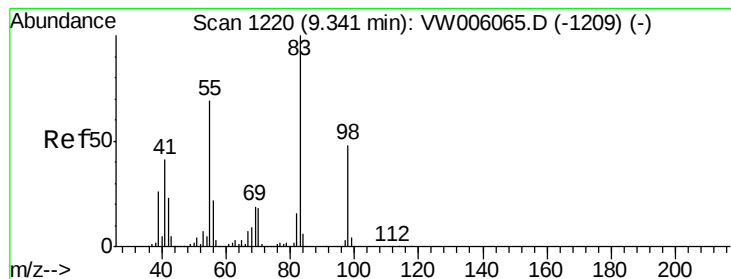
MMDadoda
11/1/2018 1:37:15 PM



#38
Carbon Tetrachloride
Concen: 39.196 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.2	112.8
121	30.2	25.3	37.9





#39

Methvlcvclohexane

Concen: 37.339 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

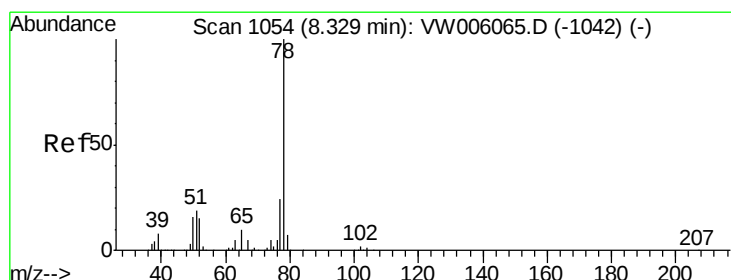
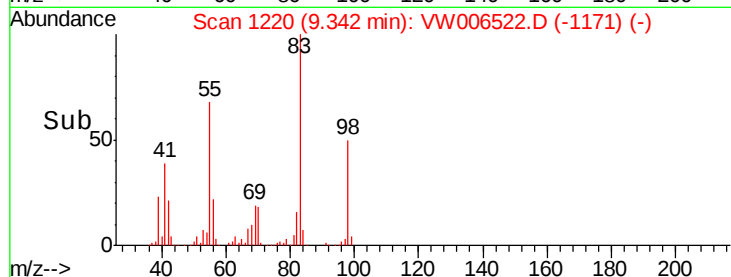
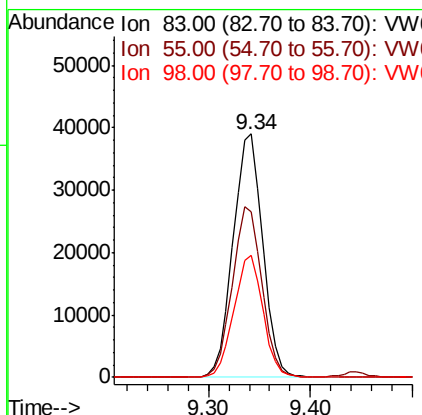
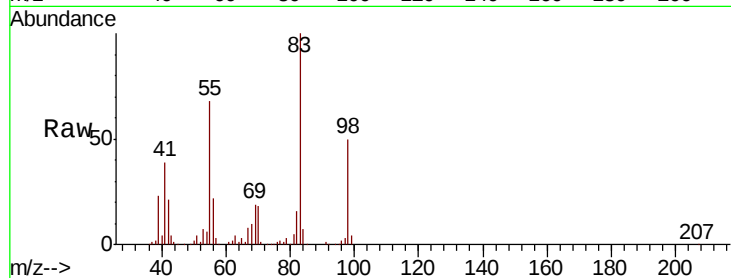
ClientSampleId :

VW1101SBSD01

Tot Ion:	83	Resp:	78328
Ion	Ratio	Lower	Upper
83	100		
55	68.0	55.0	82.6
98	50.0	38.6	57.8

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#40

Benzene

Concen: 40.032 ug/l

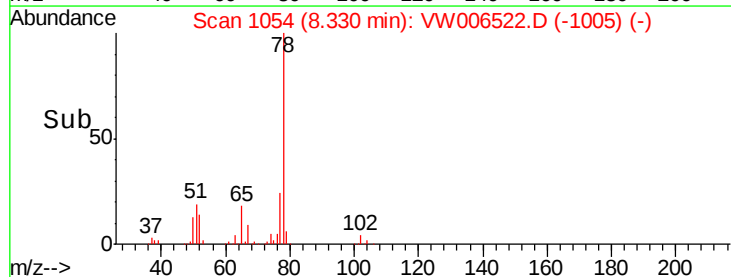
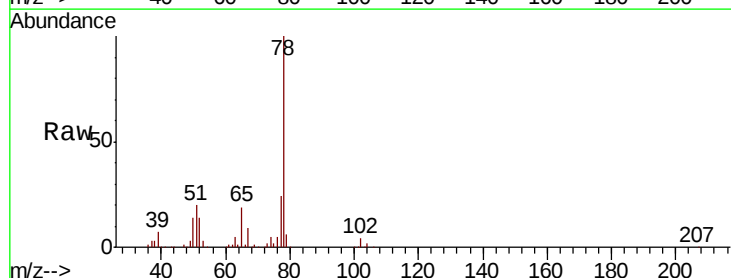
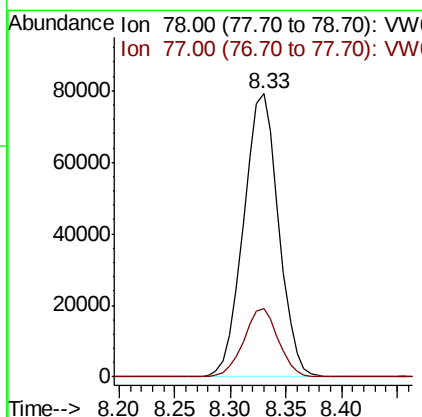
RT: 8.33 min Scan# 1054

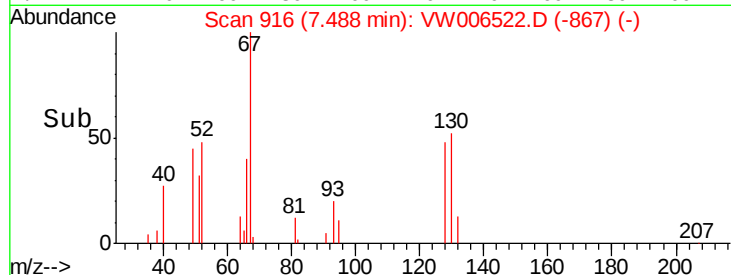
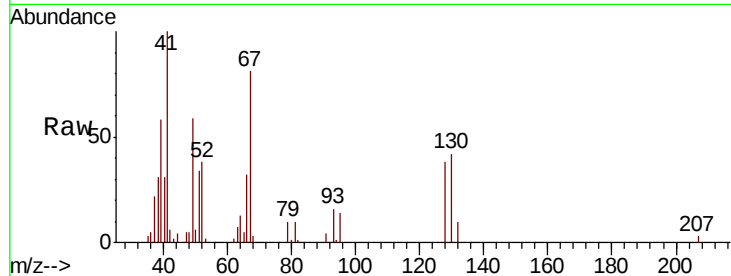
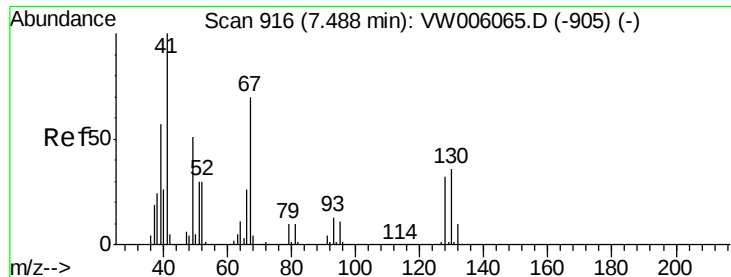
Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion:	78	Resp:	173296
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





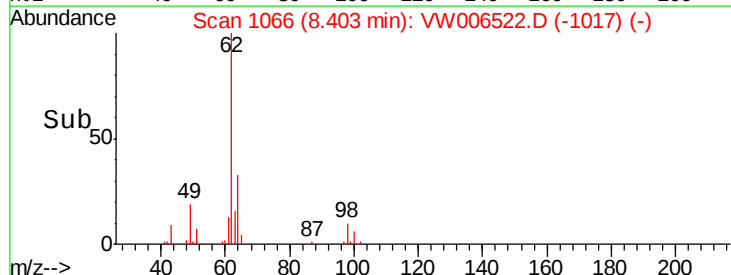
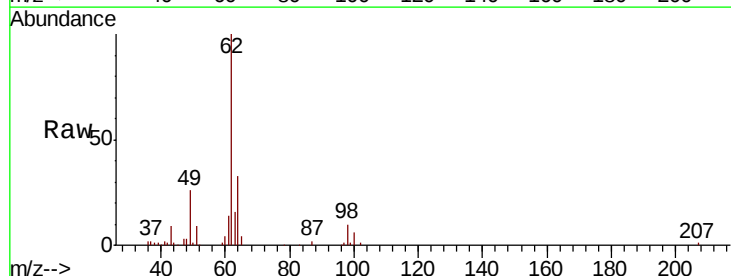
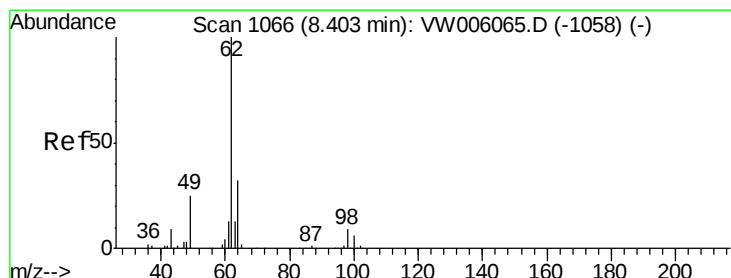
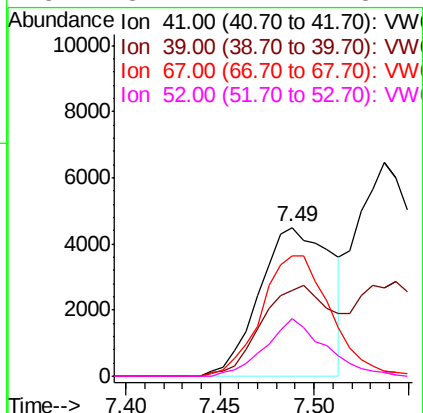
#41
Methacrylonitrile
Concen: 33.752 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		11930		
39	58.3	46.2	69.4		
67	77.7	57.7	86.5		
52	32.1	24.7	37.1		

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

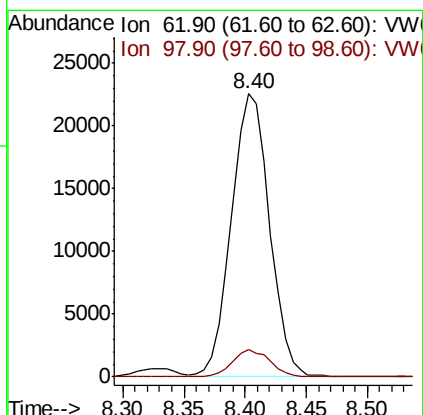
Manual Integrations
APPROVED

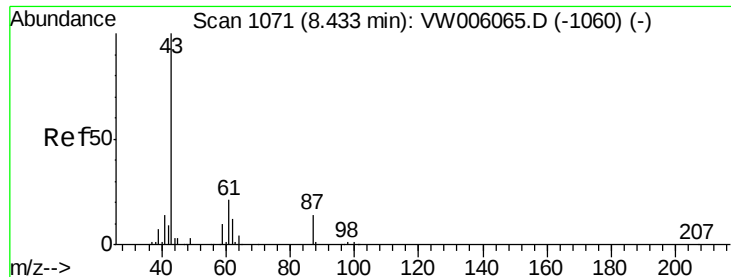
MMDadoda
11/1/2018 1:37:15 PM



#42
1,2-Dichloroethane
Concen: 38.417 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		48860		
98	9.4	0.0	18.4		





#43

Isopropyl Acetate

Concen: 31.834 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

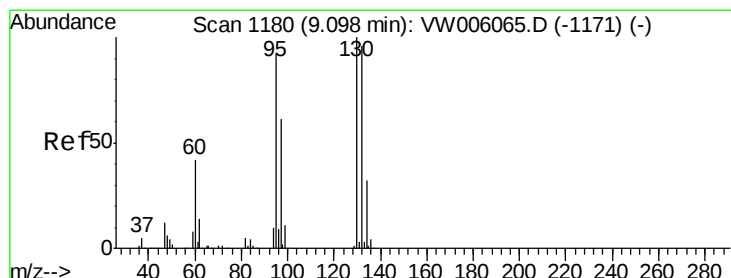
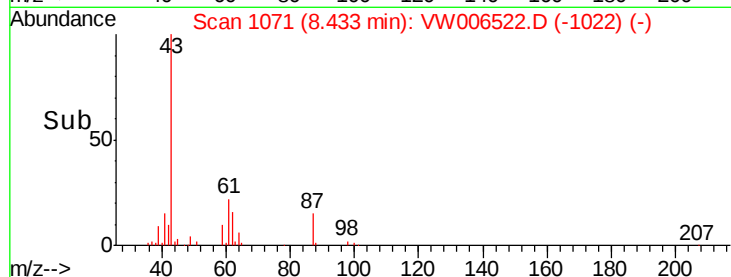
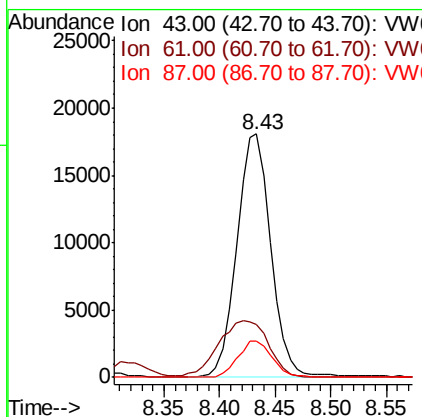
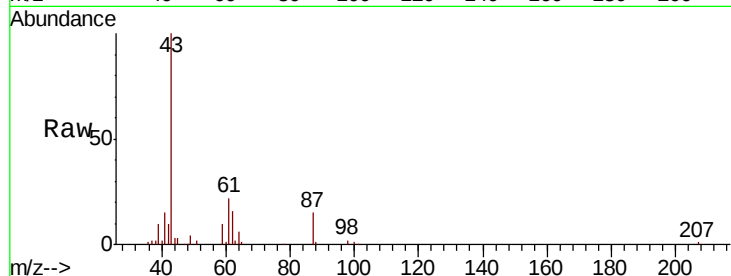
ClientSampleId :

VW1101SBS01

Tot Ion:	43	Resp:	38164
Ion	Ratio	Lower	Upper
43	100		
61	34.3	25.5	38.3
87	15.1	11.7	17.5

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#44

Trichloroethene

Concen: 39.877 ug/l

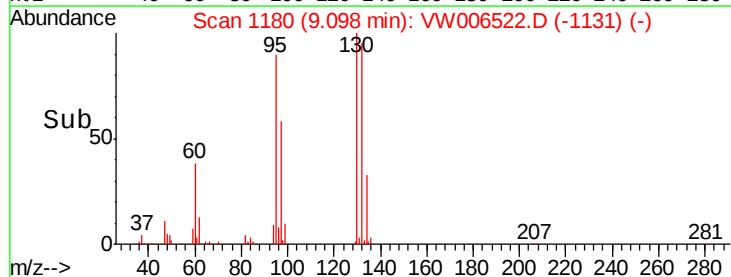
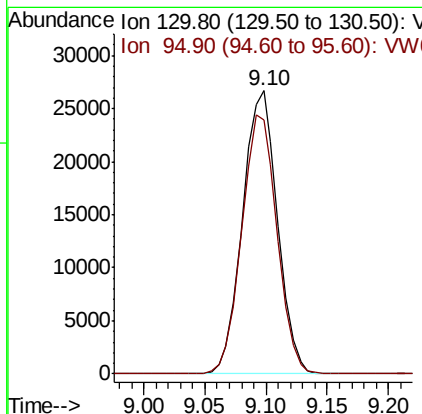
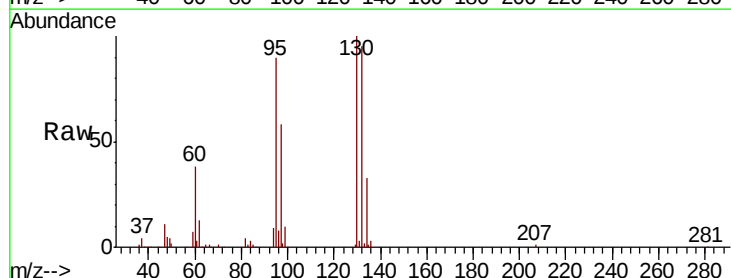
RT: 9.10 min Scan# 1180

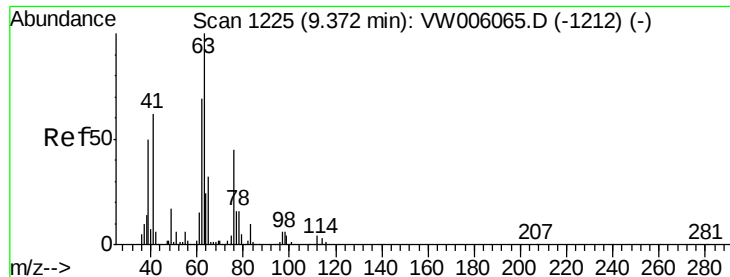
Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion:	130	Resp:	52961
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	183.2





#45

1,2-Dichloropropane

Concen: 38.858 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 63 Resp: 40252

Ion Ratio Lower Upper

63 100

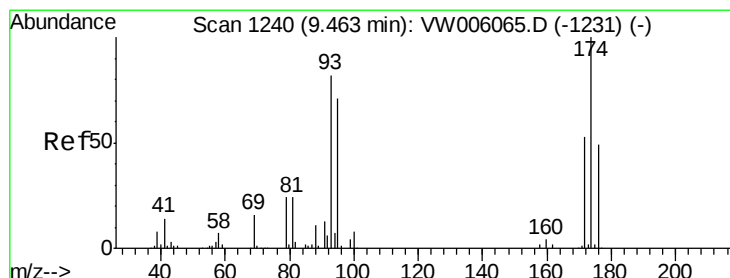
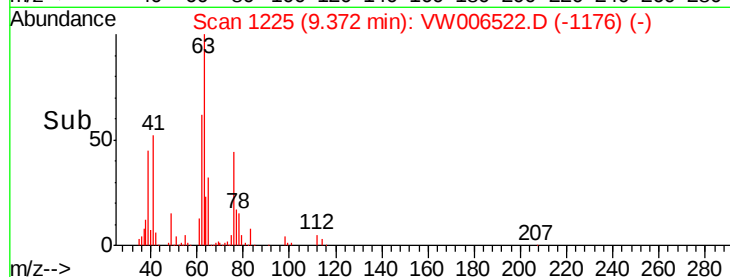
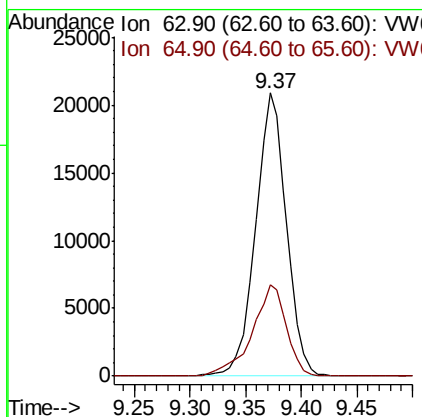
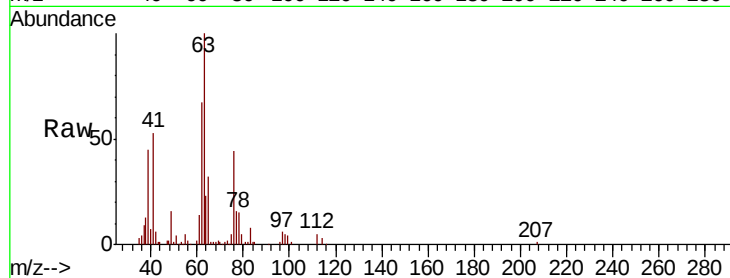
65 32.5 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

11/1/2018 1:37:15 PM



#46

Dibromomethane

Concen: 38.538 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

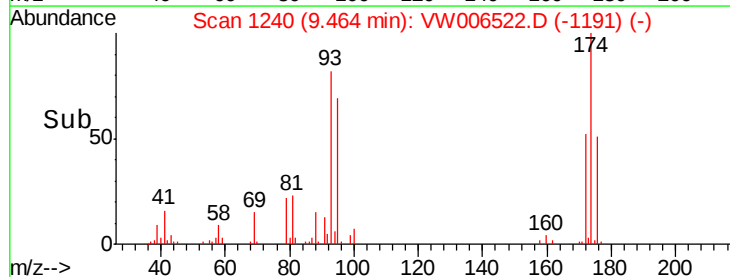
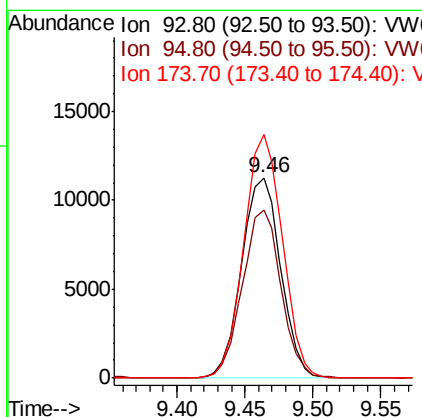
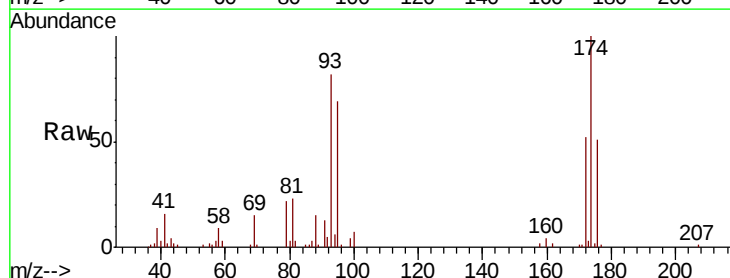
Tgt Ion: 93 Resp: 22753

Ion Ratio Lower Upper

93 100

95 82.7 67.7 101.5

174 119.9 93.7 140.5





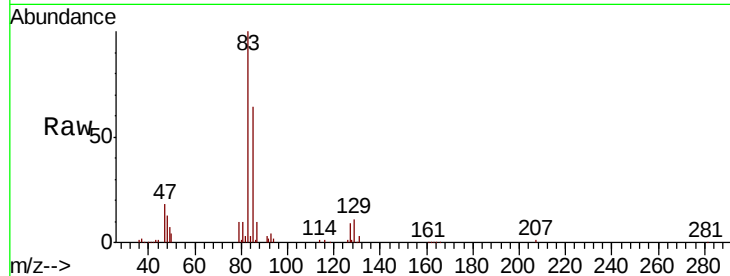
#47
Bromodichloromethane
Concen: 37.302 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

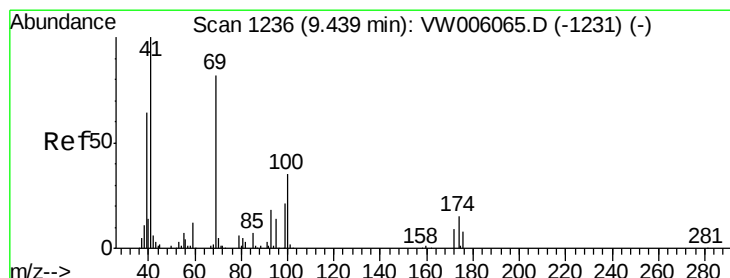
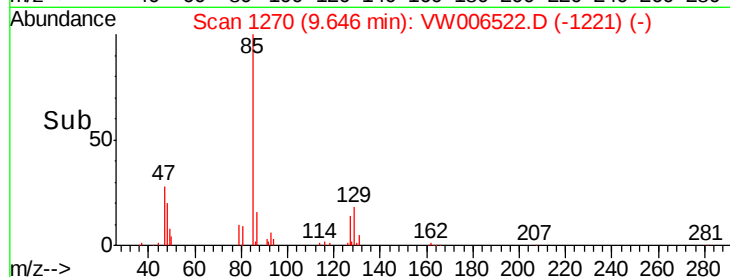
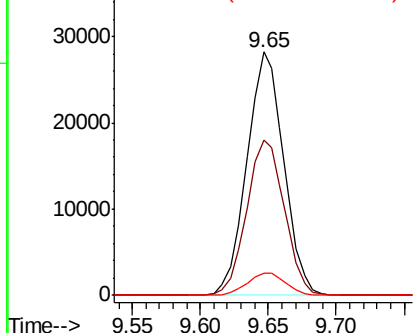
Tot Ion	83	Resp	53394
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.8	77.8
127	9.1	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM

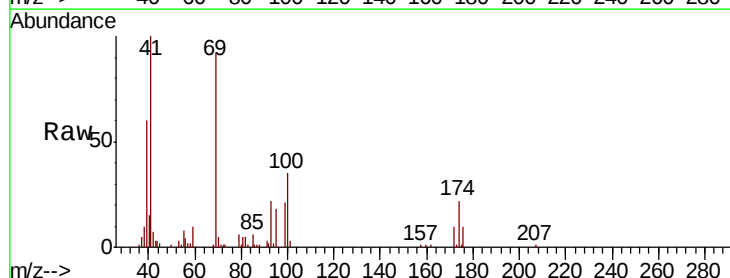


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

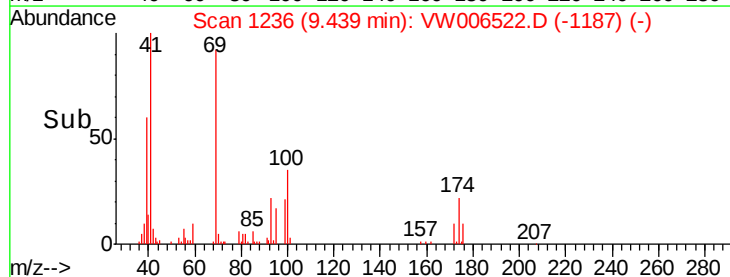
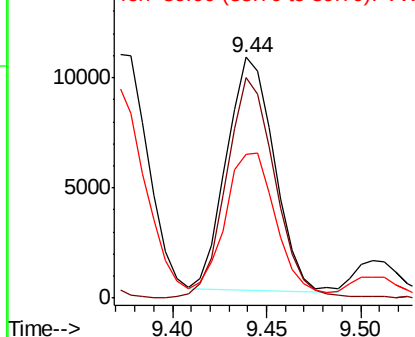


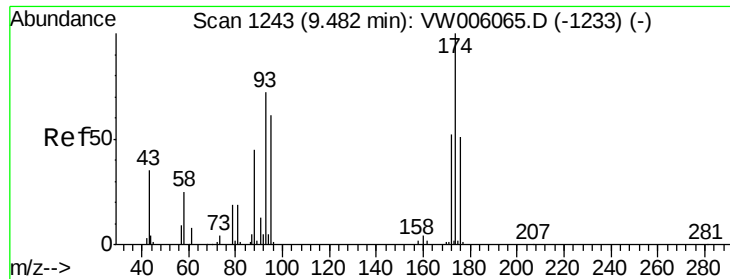
#48
Methyl methacrylate
Concen: 32.611 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	41	Resp	18532
Ion Ratio	100	Lower	Upper
41	100		
69	97.4	71.8	107.8
39	62.7	52.5	78.7



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





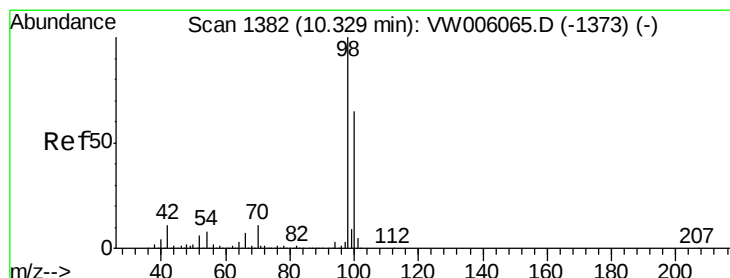
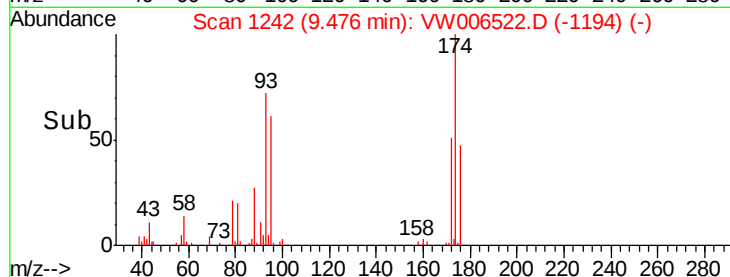
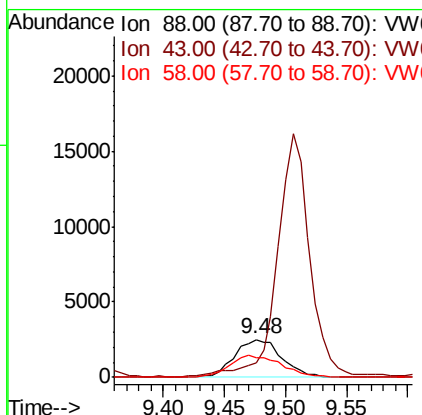
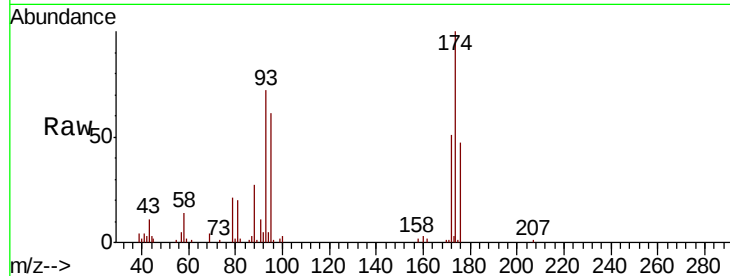
#49
1,4-Dioxane
Concen: 732.532 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	63.4	51.2	76.8

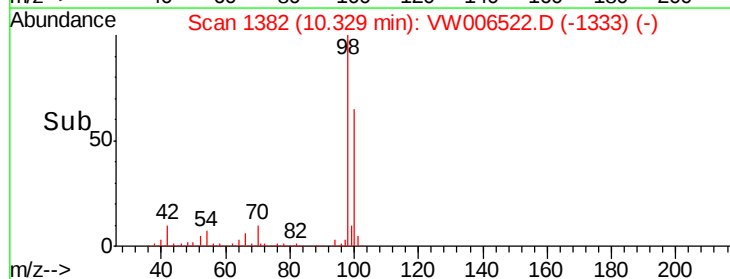
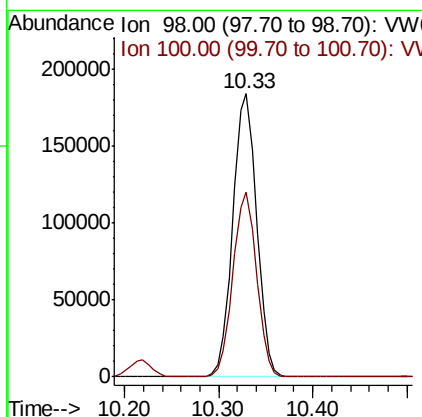
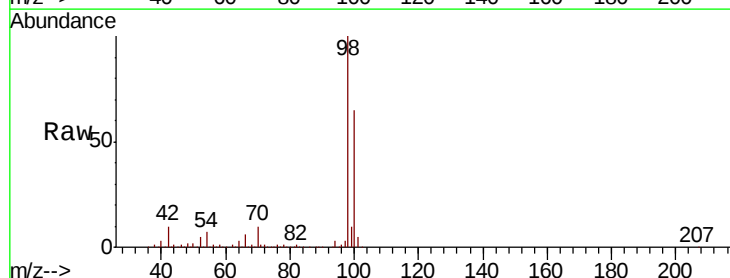
Manual Integrations
APPROVED

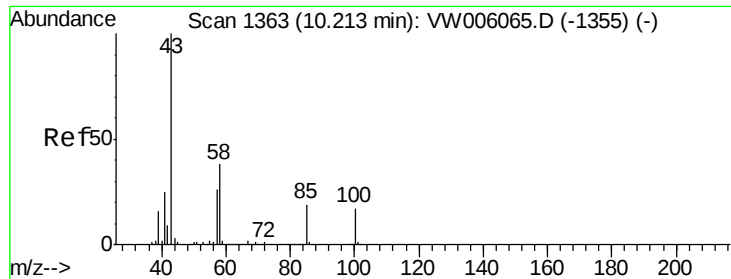
MMDadoda
11/1/2018 1:37:15 PM



#50
Toluene-d8
Concen: 84.455 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 167.519 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tot Ion: 43 Resp: 100623

Ion Ratio Lower Upper

43 100

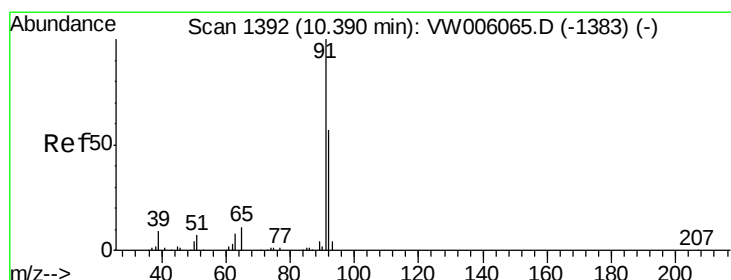
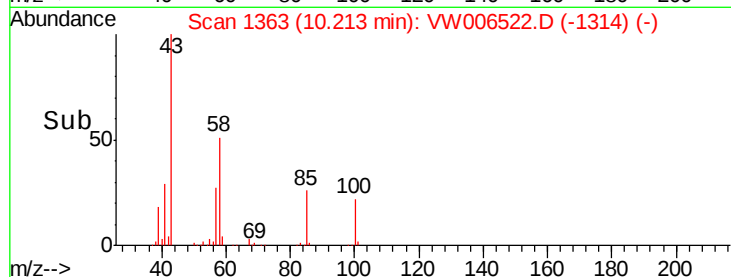
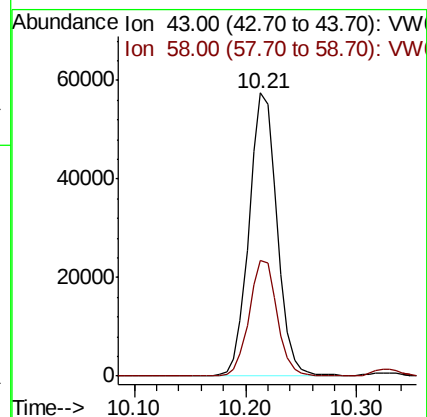
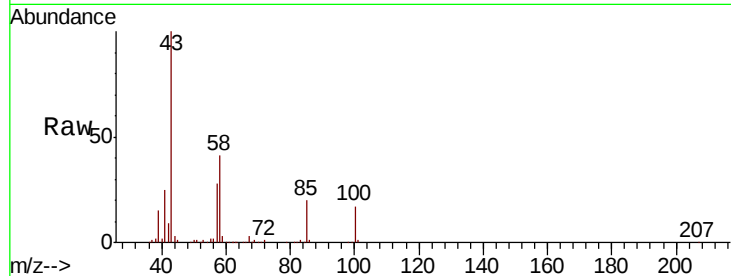
58 40.6 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

11/1/2018 1:37:15 PM



#52

Toluene

Concen: 39.541 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006522.D

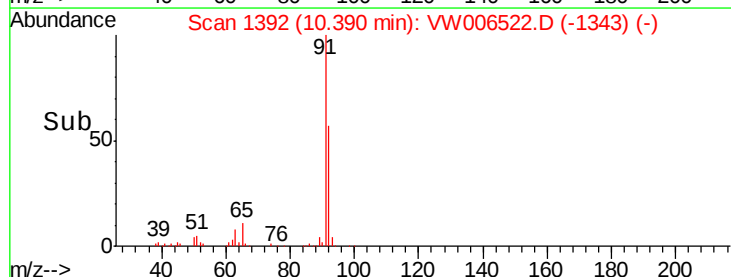
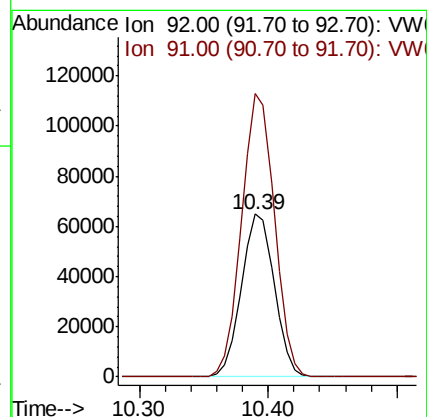
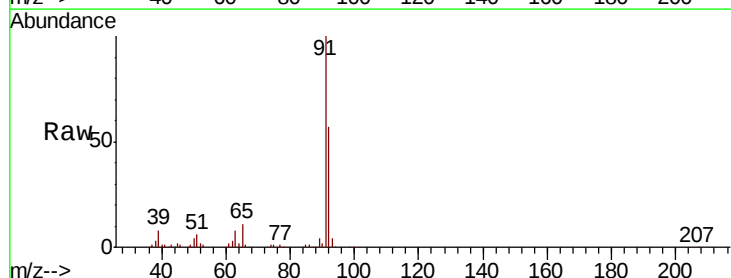
Acq: 31 Oct 2018 13:35

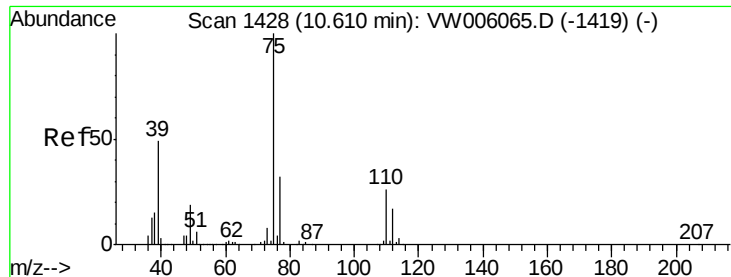
Tgt Ion: 92 Resp: 114755

Ion Ratio Lower Upper

92 100

91 173.6 140.0 210.0





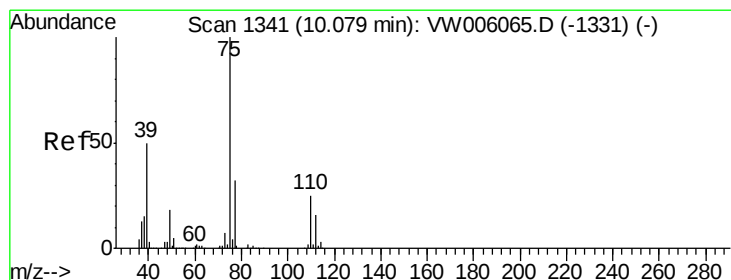
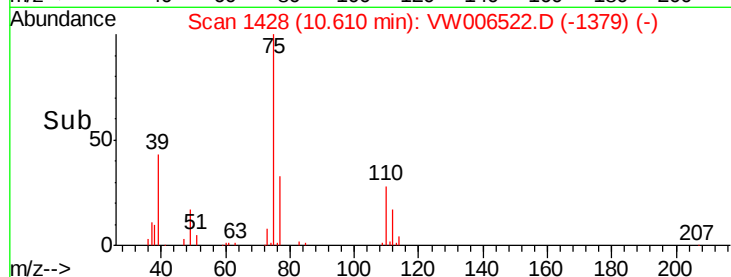
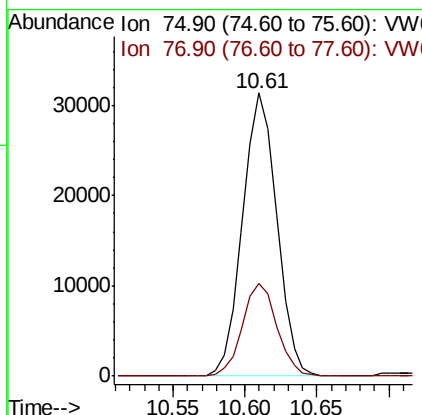
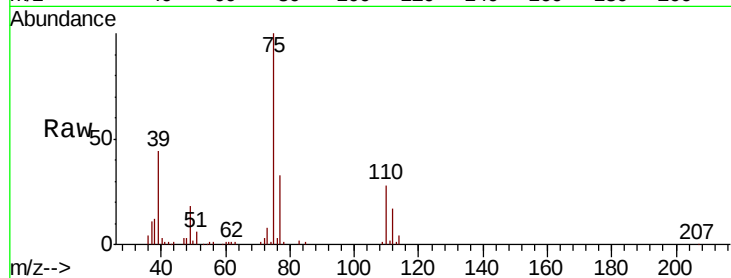
#53
t-1,3-Dichloropropene
Concen: 36.275 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion: 75 Resp: 51733
Ion Ratio Lower Upper
75 100
77 32.9 25.4 38.2

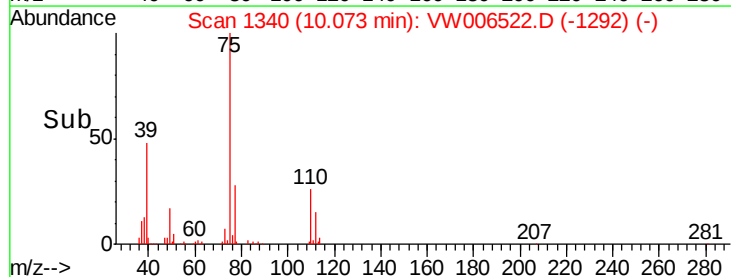
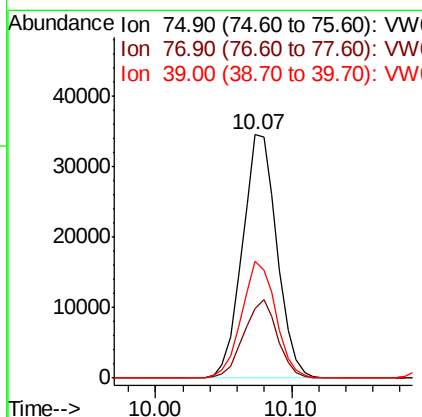
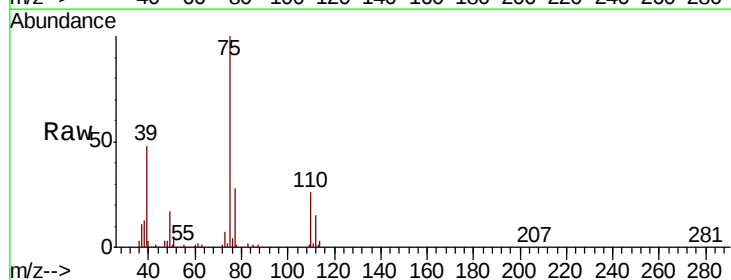
Manual Integrations
APPROVED

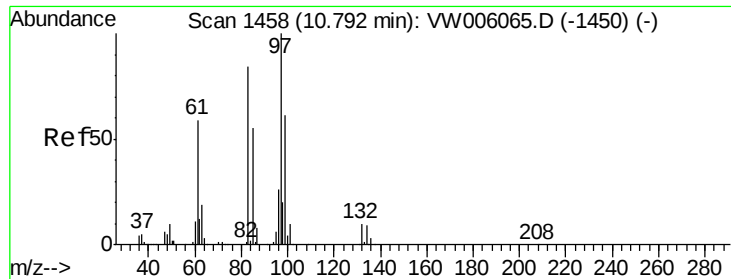
MMDadoda
11/1/2018 1:37:15 PM



#54
cis-1,3-Dichloropropene
Concen: 37.479 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 75 Resp: 61345
Ion Ratio Lower Upper
75 100
77 28.5 25.2 37.8
39 47.8 39.9 59.9





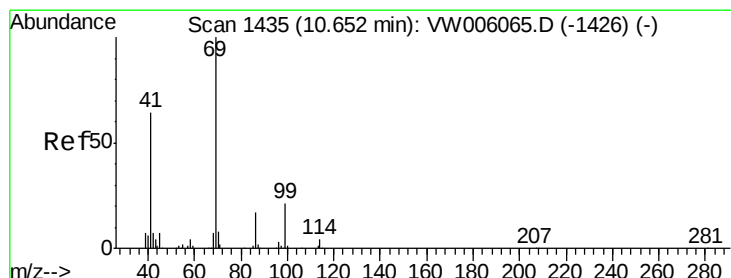
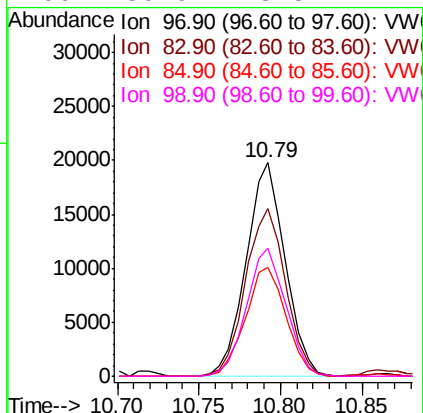
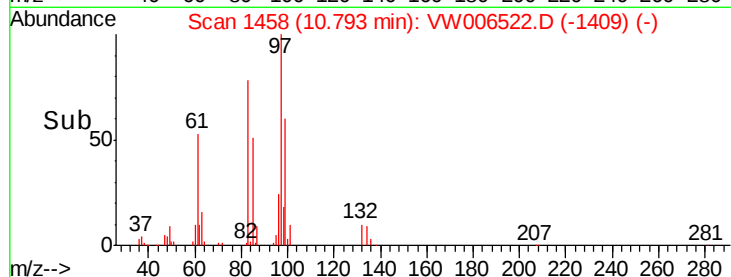
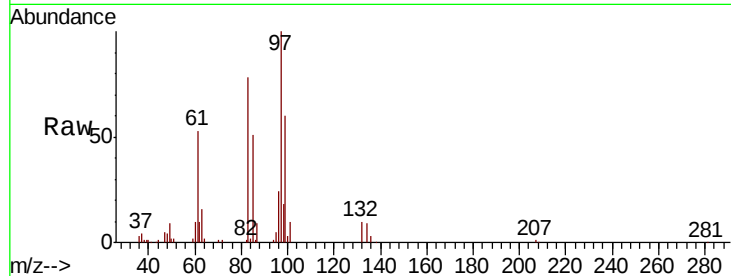
#55
 1,1,2-Trichloroethane
 Concen: 39.830 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		32908		
83	78.3	67.2	100.8		
85	51.0	43.7	65.5		
99	59.9	48.5	72.7		

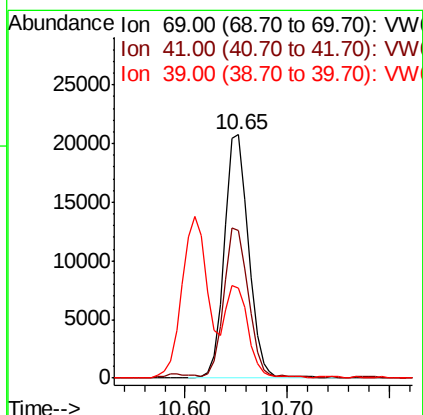
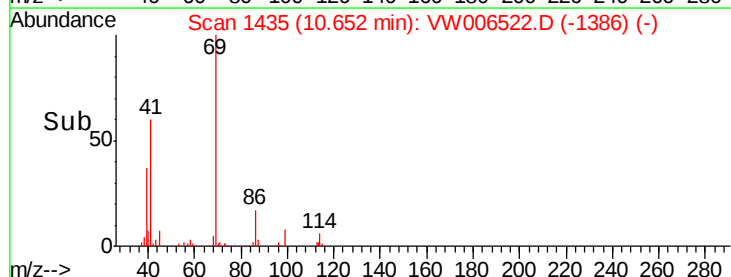
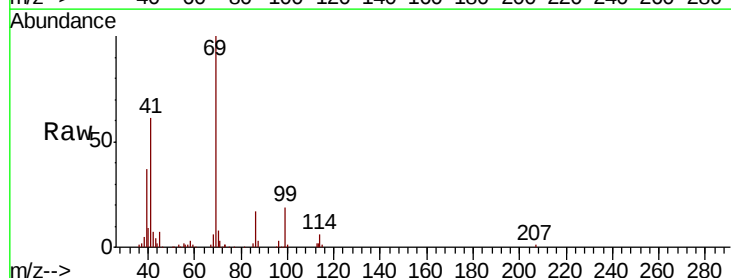
Manual Integrations
 APPROVED

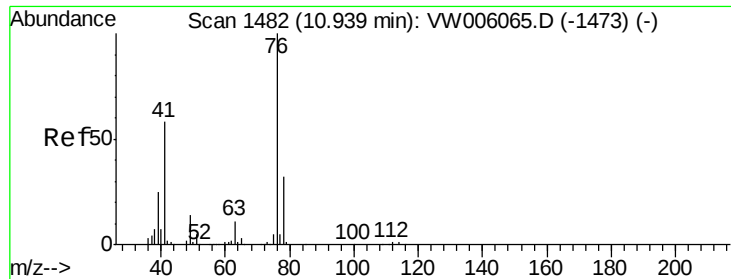
MMDadoda
 11/1/2018 1:37:15 PM



#56
 Ethyl methacrylate
 Concen: 33.749 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34183		
41	62.4	52.8	79.2		
39	34.5	30.6	45.8		





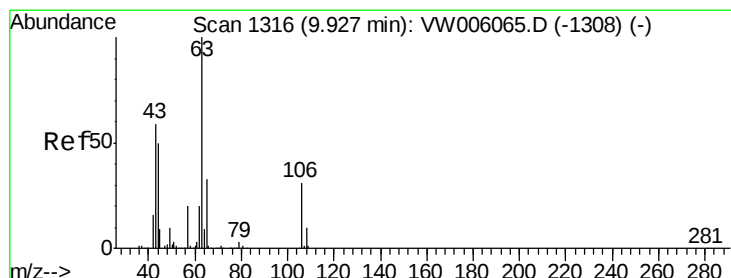
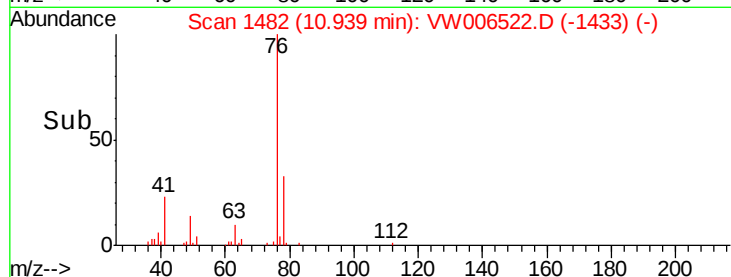
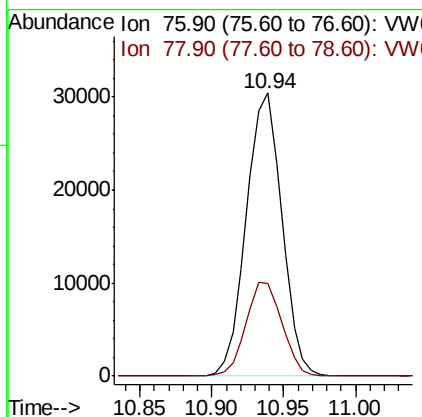
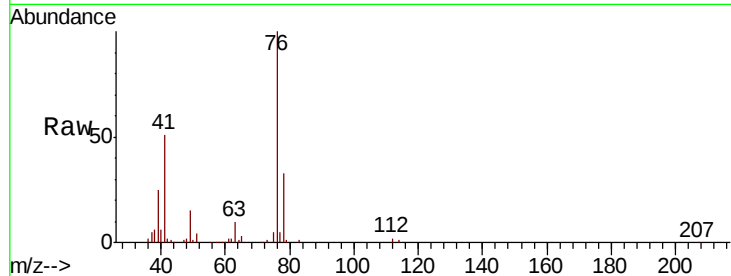
#57
 1,3-Dichloropropane
 Concen: 37.980 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.9	25.9	38.9

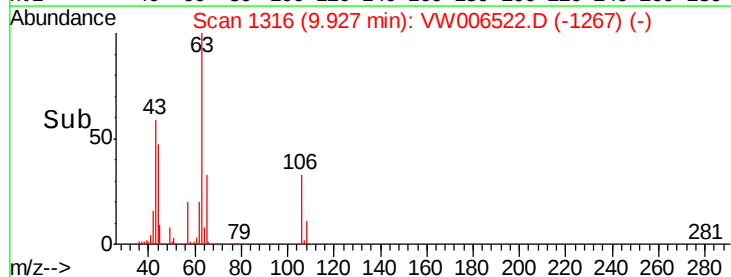
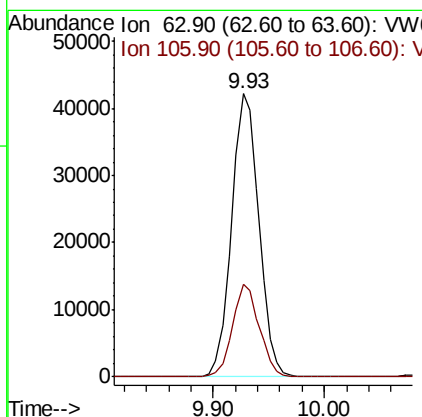
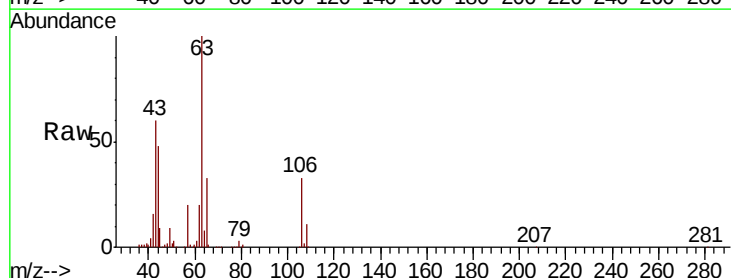
Manual Integrations
 APPROVED

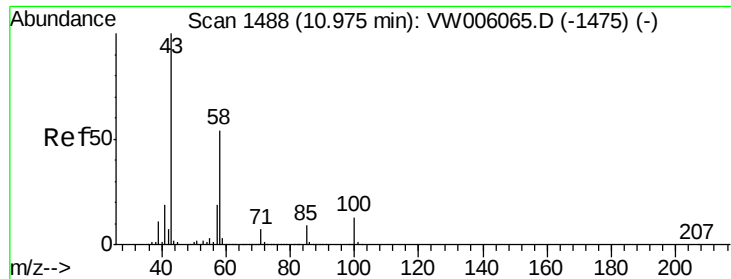
MMDadoda
 11/1/2018 1:37:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 184.281 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	24.5	36.7





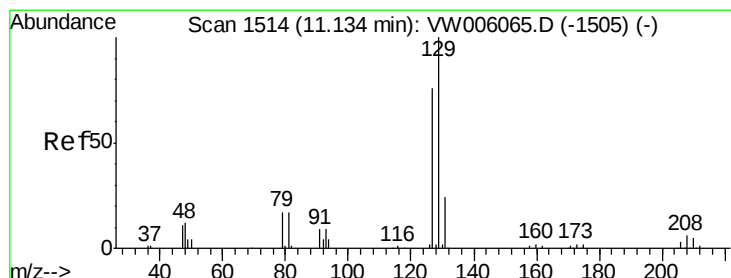
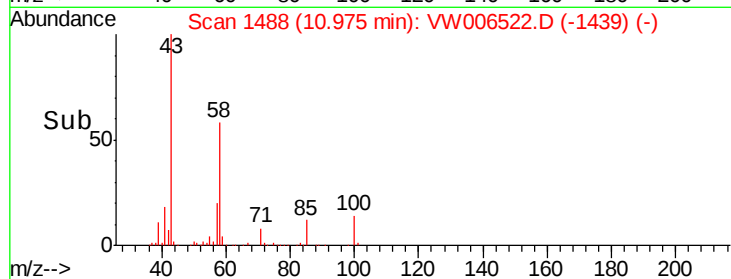
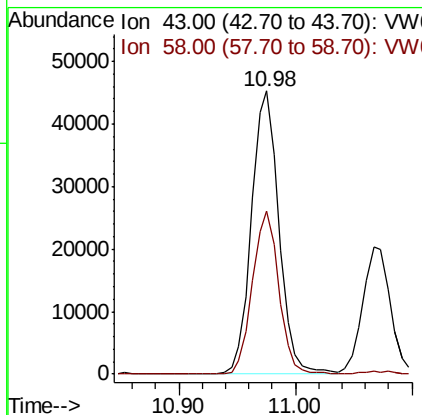
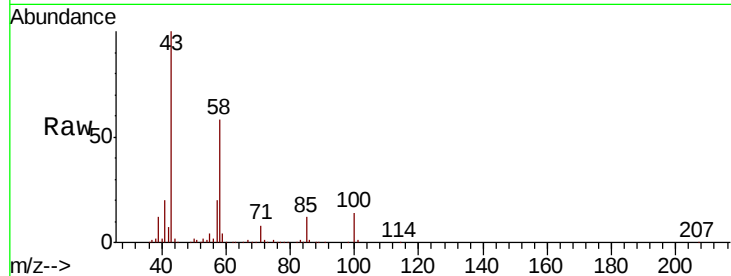
#59
2-Hexanone
Concen: 174.546 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion: 43 Resp: 74841
Ion Ratio Lower Upper
43 100
58 55.5 26.9 80.6

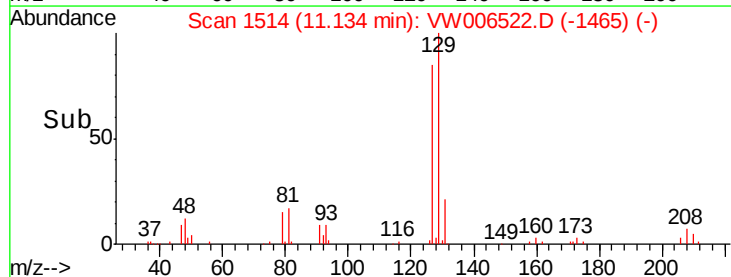
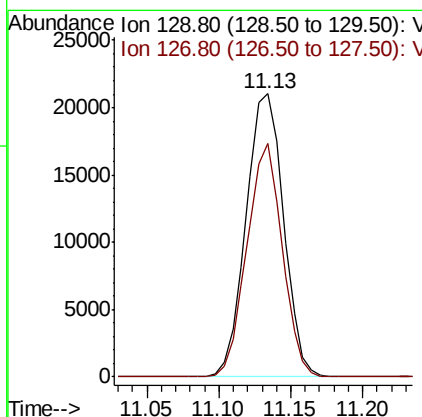
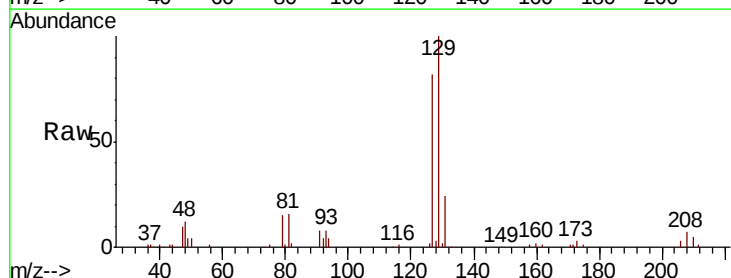
Manual Integrations
APPROVED

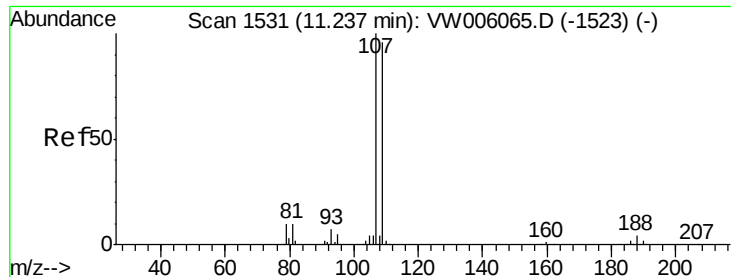
MMDadoda
11/1/2018 1:37:15 PM



#60
Dibromochloromethane
Concen: 36.803 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 129 Resp: 37875
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.7





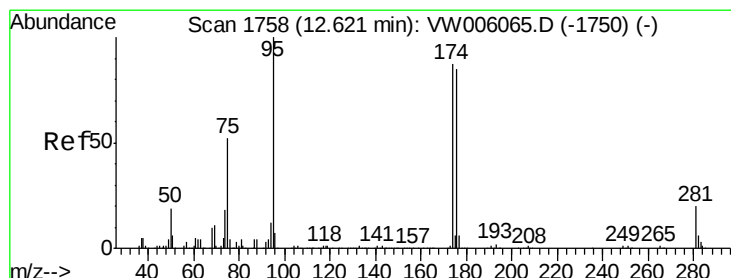
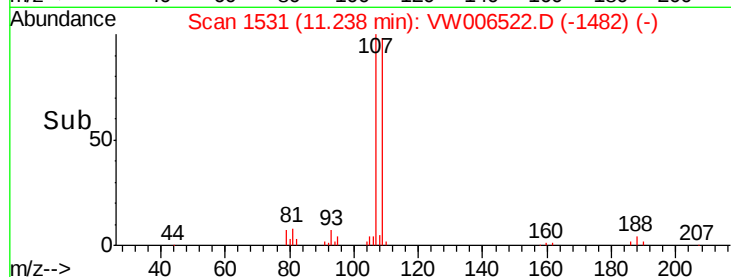
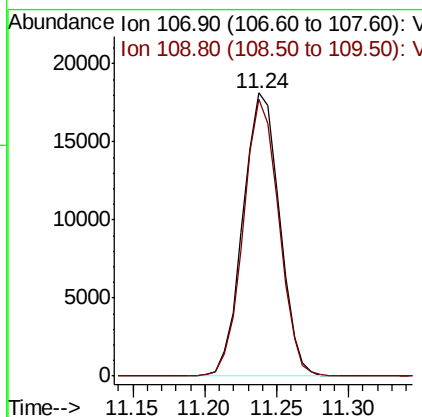
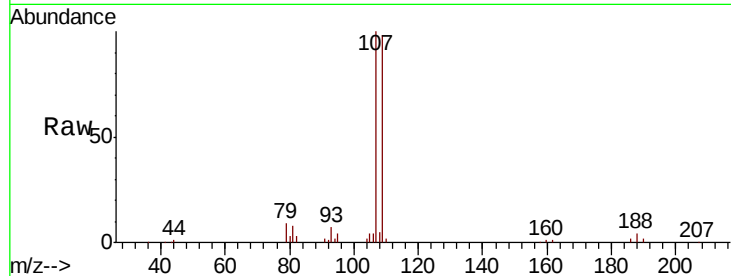
#61
 1,2-Dibromoethane
 Concen: 38.665 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.3	114.5

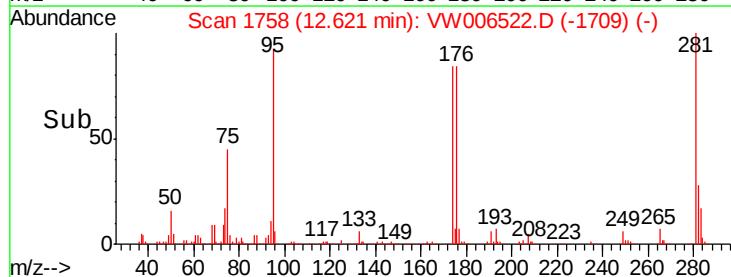
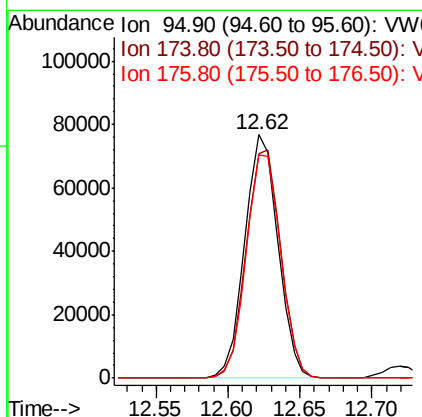
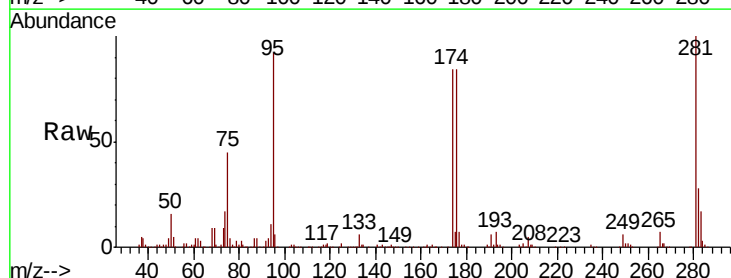
Manual Integrations
 APPROVED

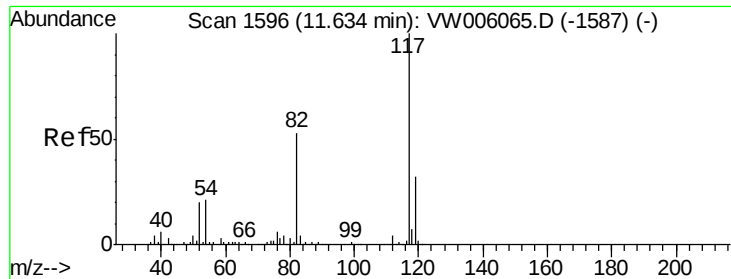
MMDadoda
 11/1/2018 1:37:15 PM



#62
 4-Bromofluorobenzene
 Concen: 84.750 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.0	0.0	186.0
176	94.8	0.0	181.6





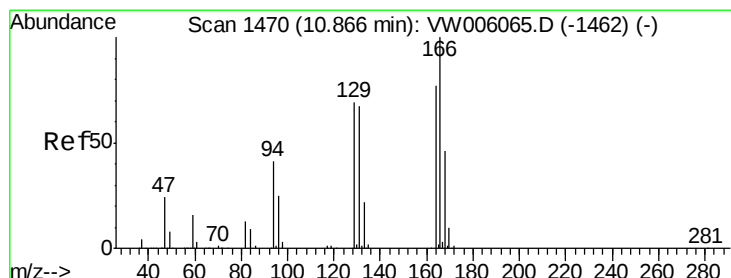
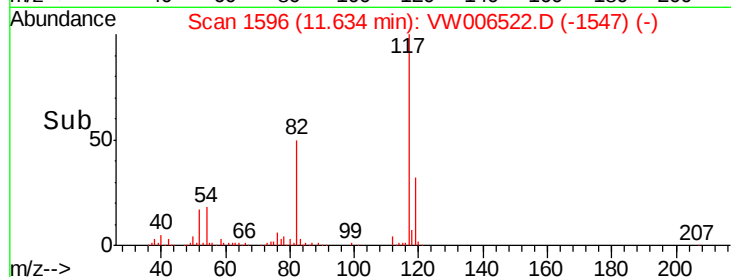
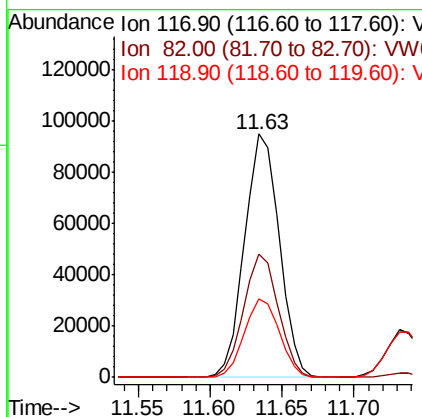
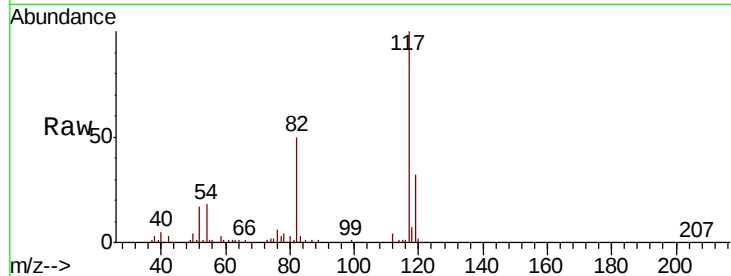
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	42.1	63.1
119	32.0	25.8	38.6

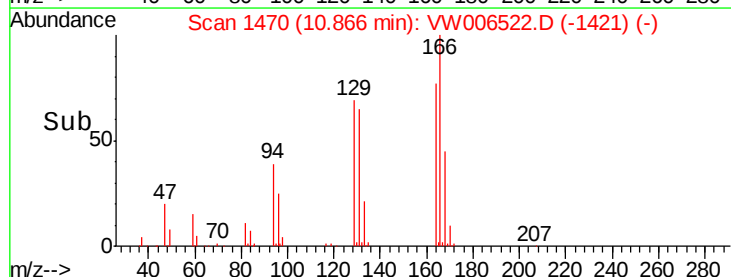
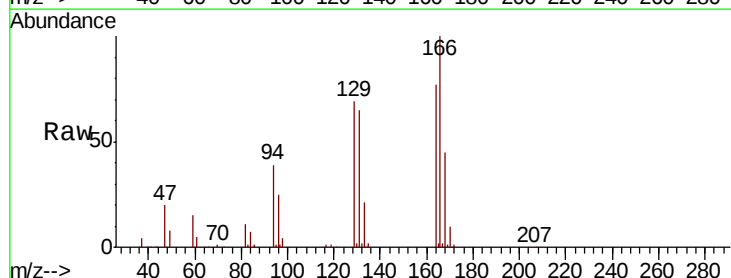
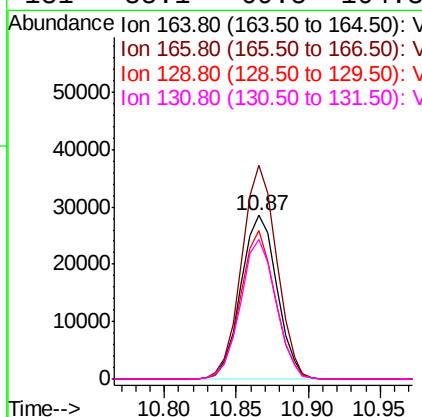
Manual Integrations
APPROVED

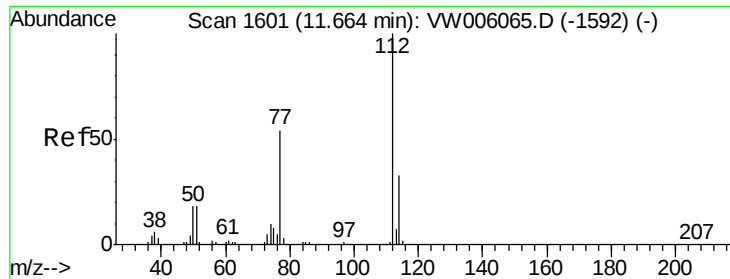
MMDadoda
11/1/2018 1:37:15 PM



#64
Tetrachloroethene
Concen: 40.239 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.4	155.0
129	90.5	71.8	107.8
131	85.1	69.5	104.3





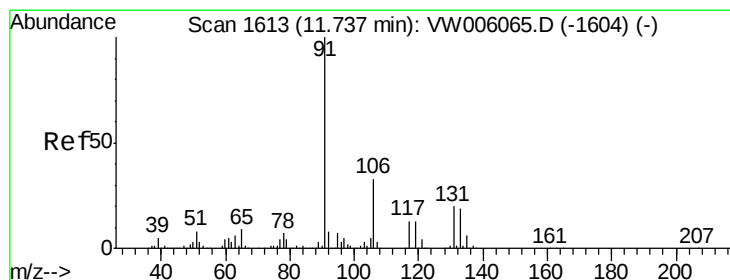
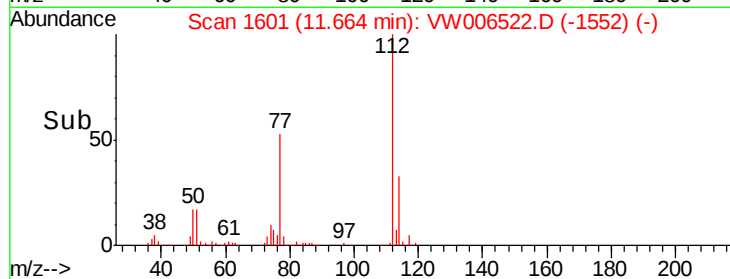
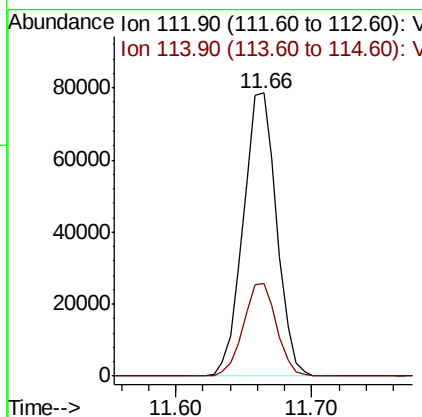
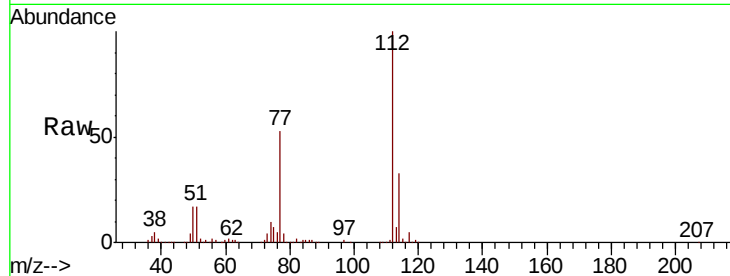
#65
Chlorobenzene
Concen: 39.831 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.2	39.2

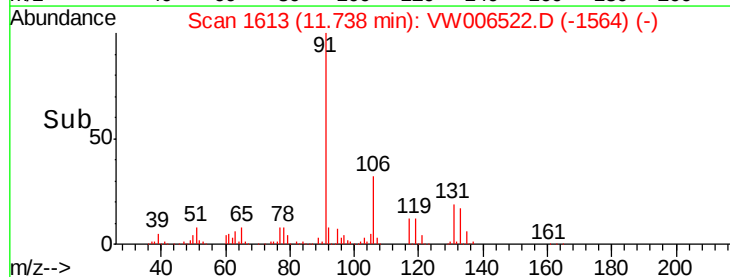
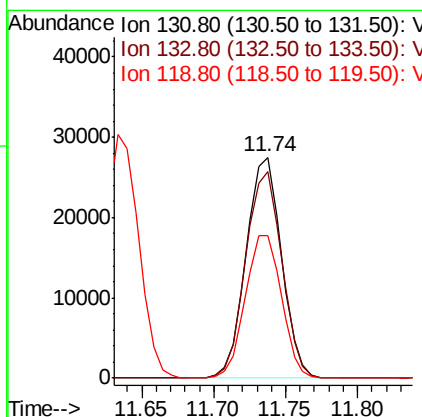
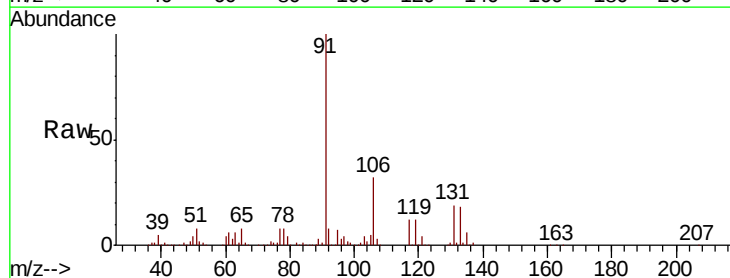
Manual Integrations
APPROVED

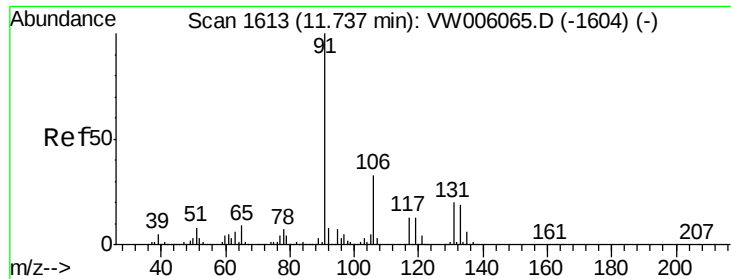
MMDadoda
11/1/2018 1:37:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 38.771 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.1	144.3
119	66.0	31.6	94.7





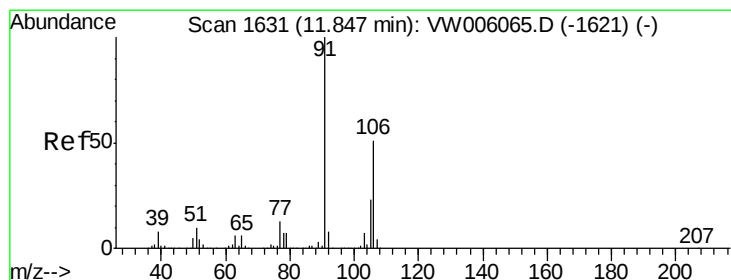
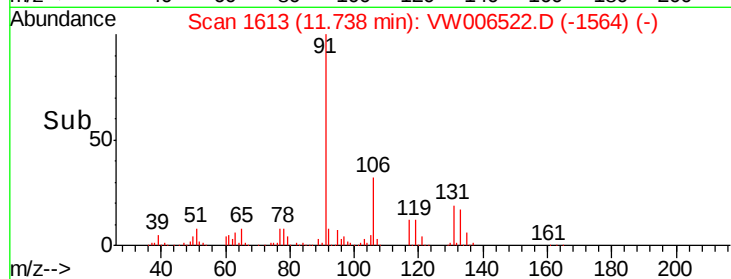
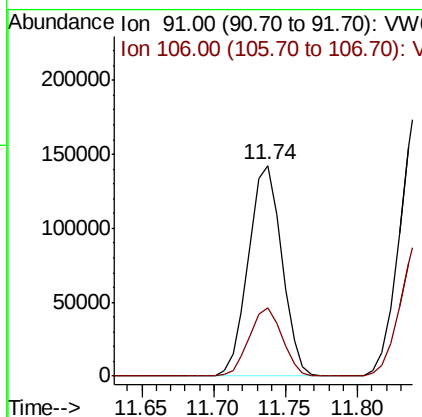
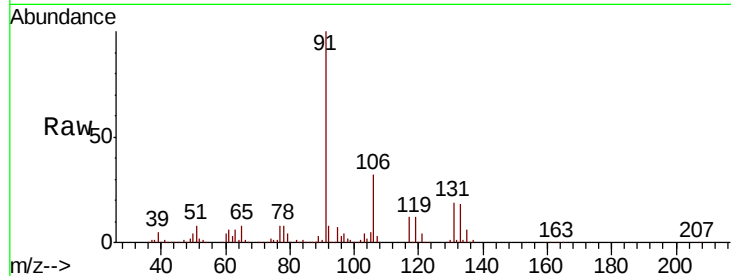
#67
Ethyl Benzene
Concen: 38.977 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

Tot Ion: 91 Resp: 229280
Ion Ratio Lower Upper
91 100
106 32.5 26.1 39.1

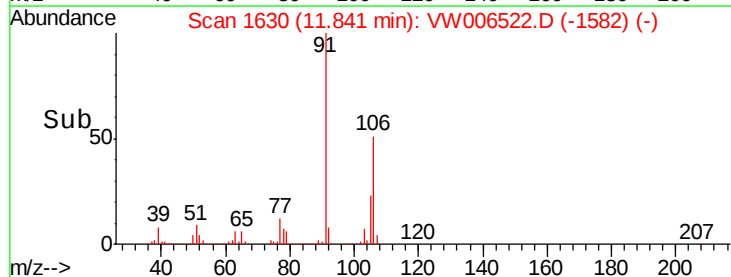
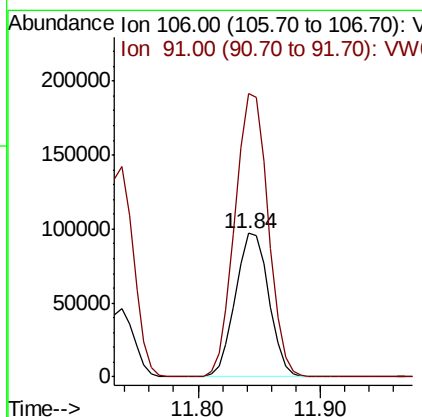
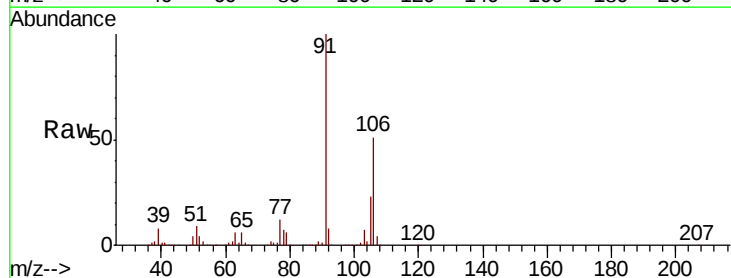
Manual Integrations
APPROVED

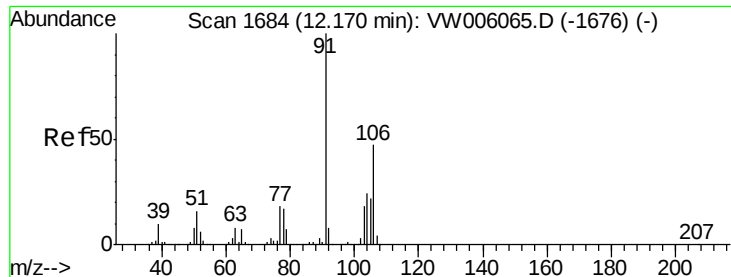
MMDadoda
11/1/2018 1:37:15 PM



#68
m/p-Xylenes
Concen: 79.375 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 106 Resp: 184551
Ion Ratio Lower Upper
106 100
91 196.3 159.1 238.7





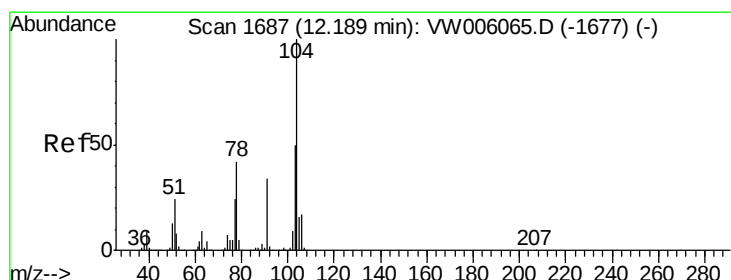
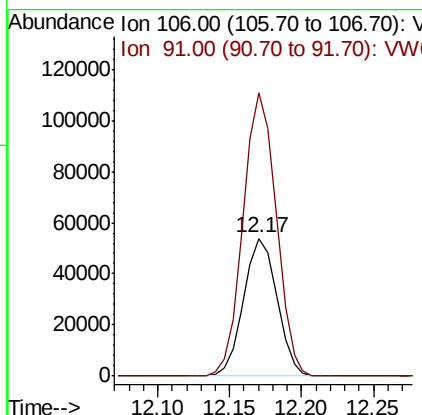
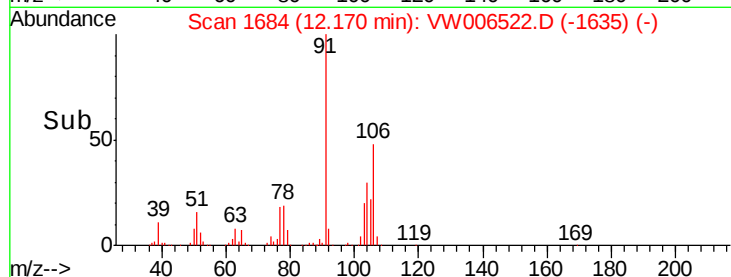
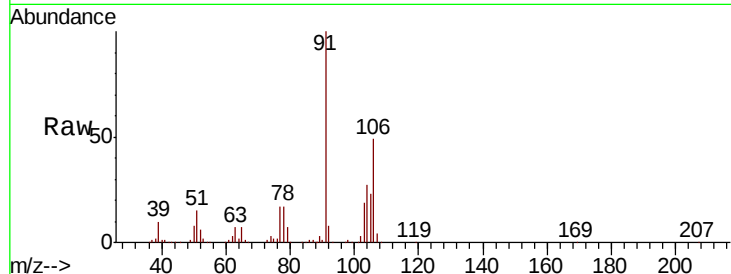
#69
o-Xylene
Concen: 39.037 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion:106 Resp: 86500
Ion Ratio Lower Upper
106 100
91 204.5 105.4 316.1

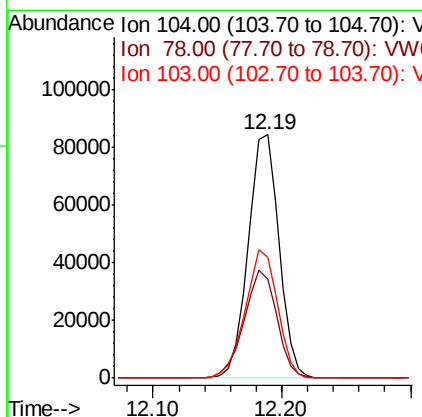
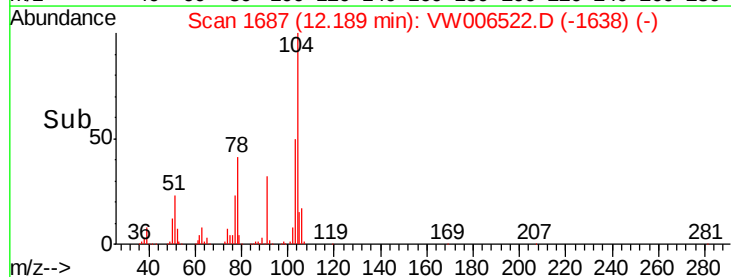
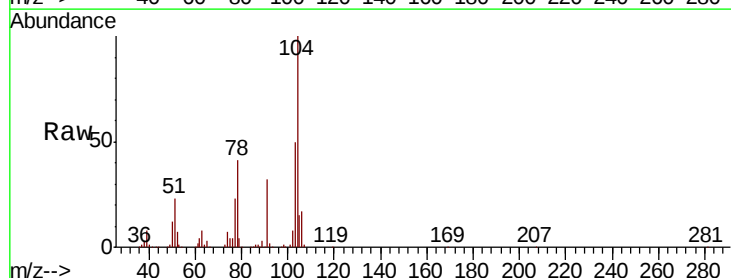
Manual Integrations
APPROVED

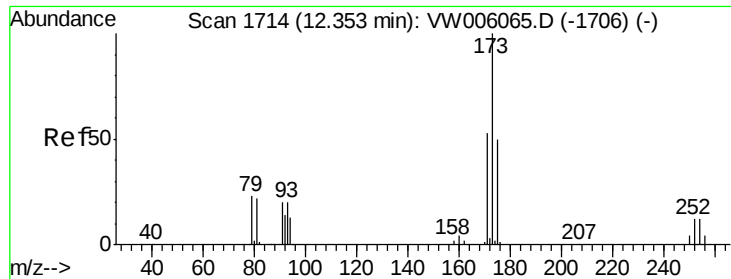
MMDadoda
11/1/2018 1:37:15 PM



#70
Styrene
Concen: 38.508 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion:104 Resp: 138755
Ion Ratio Lower Upper
104 100
78 47.4 39.1 58.7
103 55.4 44.3 66.5





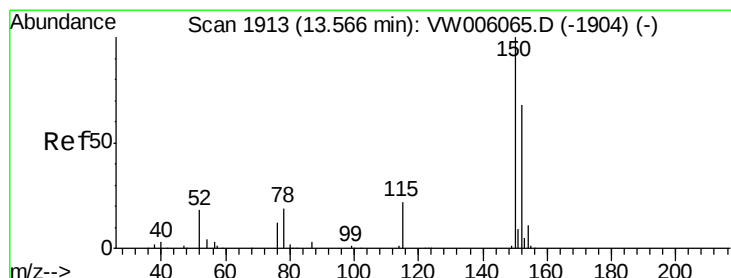
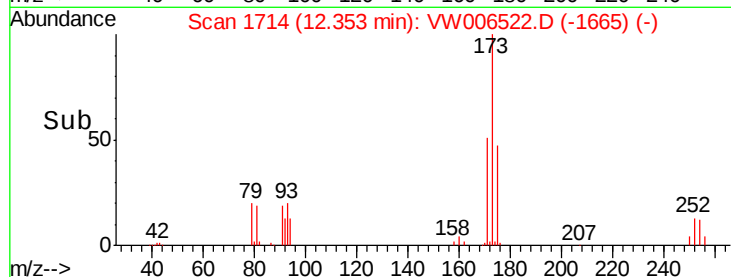
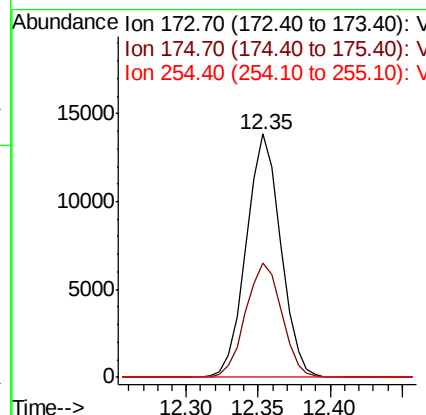
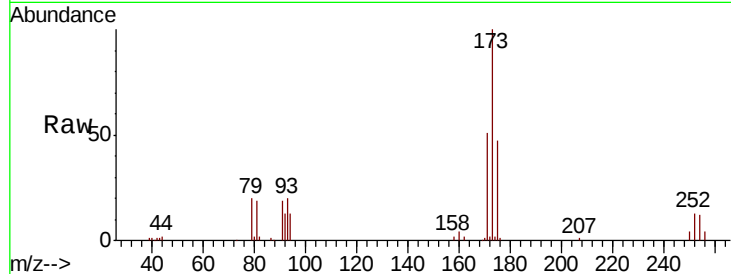
#71
Bromoform
Concen: 34.113 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.0	0.1	0.1#

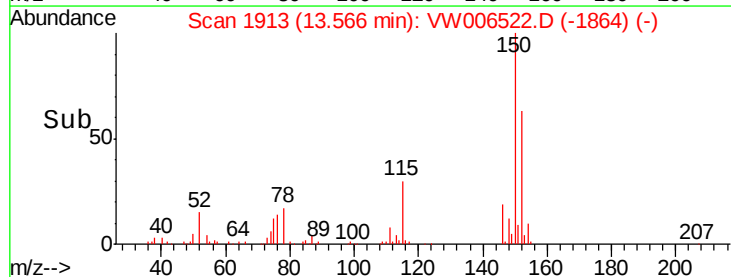
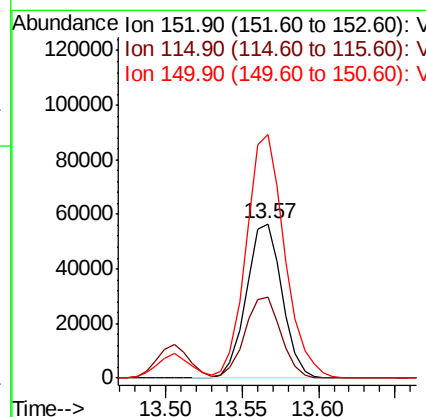
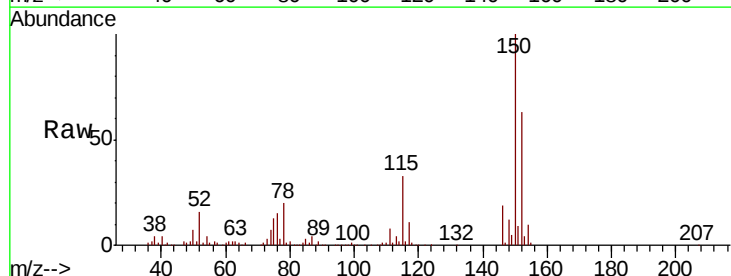
Manual Integrations
APPROVED

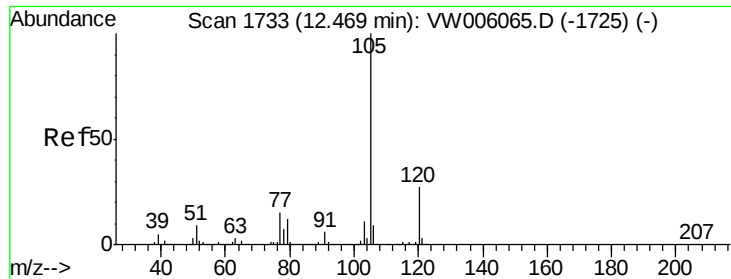
MMDadoda
11/1/2018 1:37:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.8	83.3
150	169.9	0.0	349.2





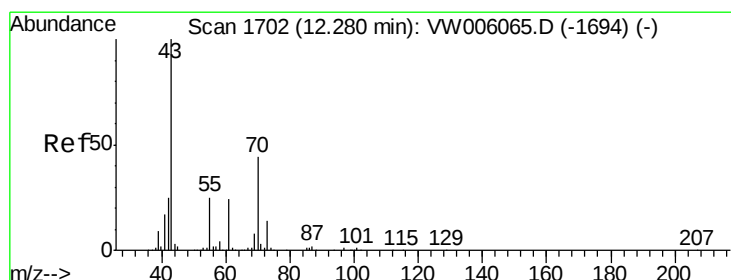
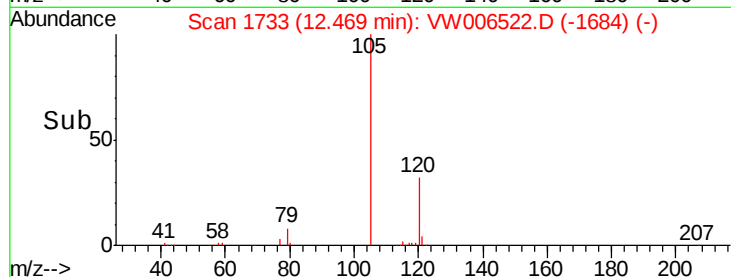
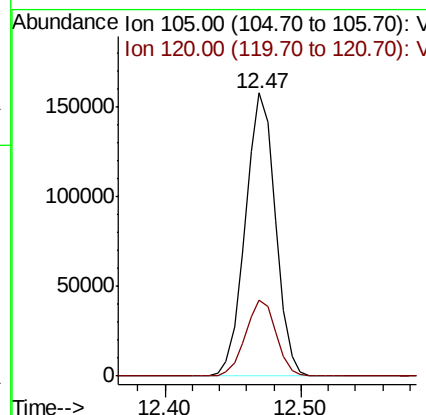
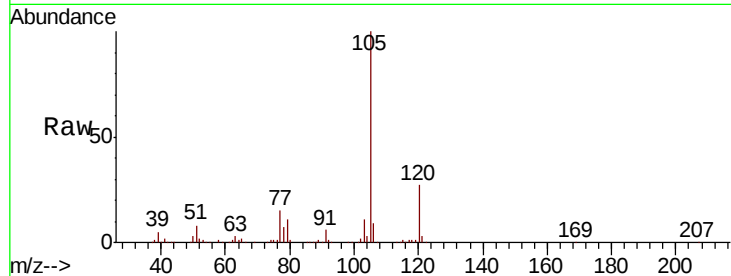
#73
Isopropylbenzene
Concen: 37.877 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampled :
VW1101SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.7

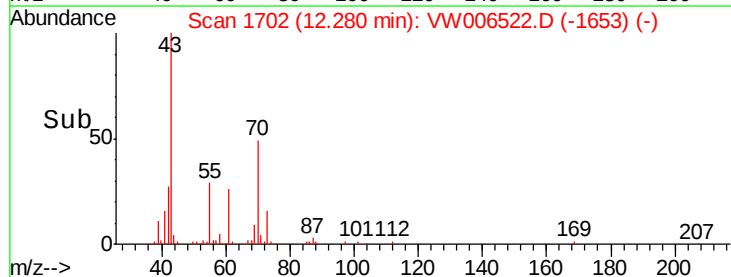
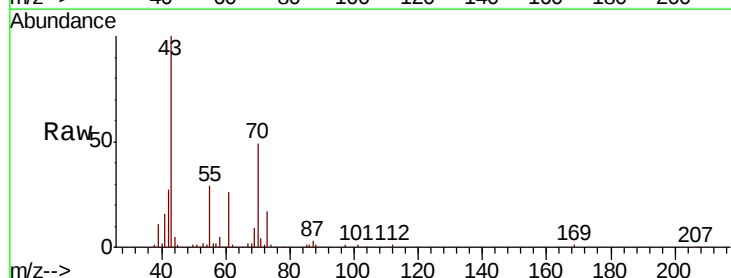
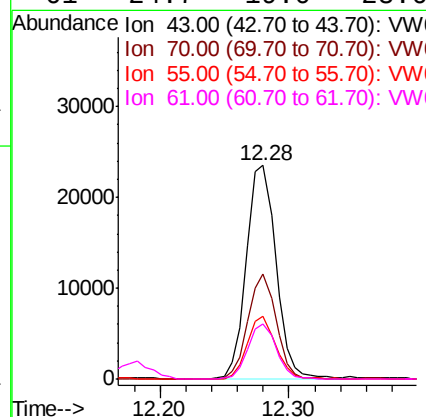
Manual Integrations
APPROVED

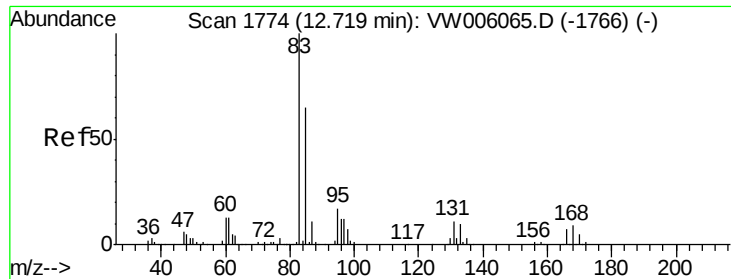
MMDadoda
11/1/2018 1:37:15 PM



#74
N-ethyl acetate
Concen: 29.885 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.8	34.2	51.4
55	28.2	19.2	28.8
61	24.7	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 36.357 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

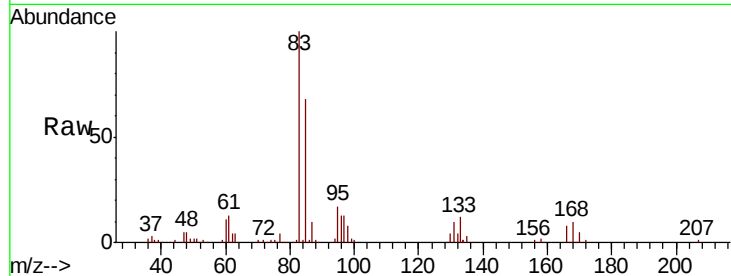
ClientSampleId :

VW1101SBSD01

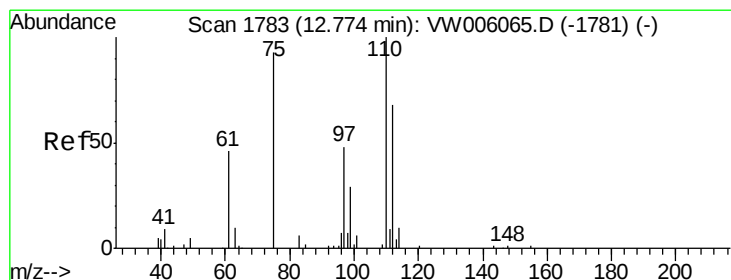
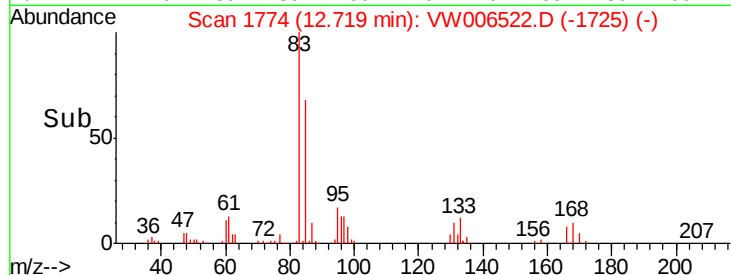
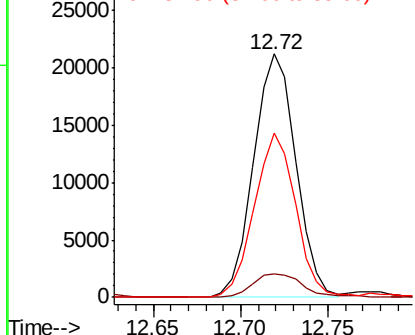
Tot Ion:	83	Resp:	35671
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.9	17.7
85	66.2	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



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



#76

1,2,3-Trichloropropane

Concen: 45.635 ug/l m

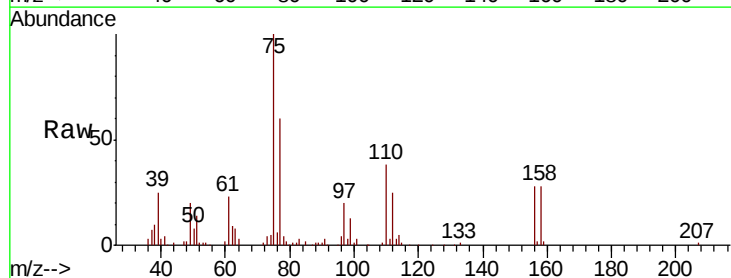
RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

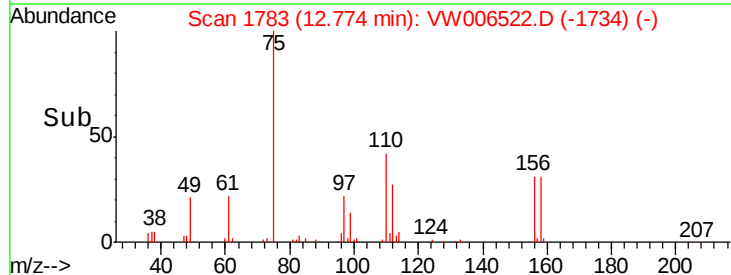
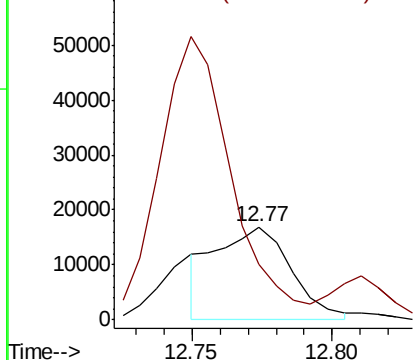
Lab File: VW006522.D

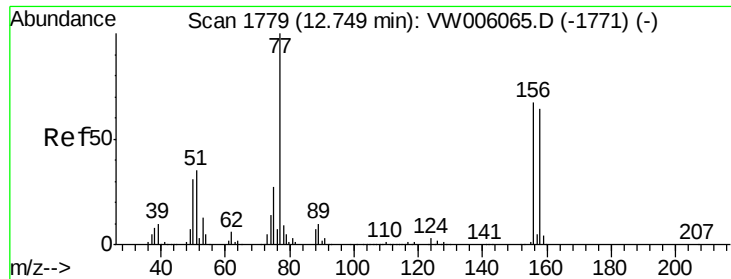
Acq: 31 Oct 2018 13:35

Tgt Ion:	75	Resp:	31827
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





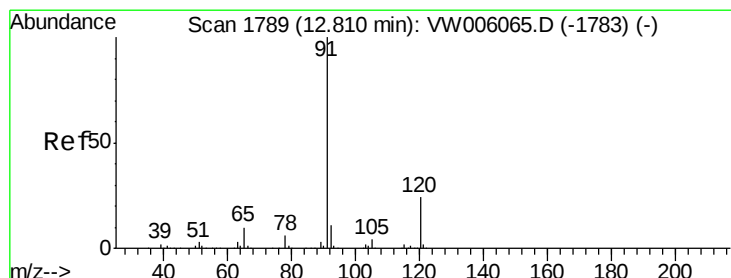
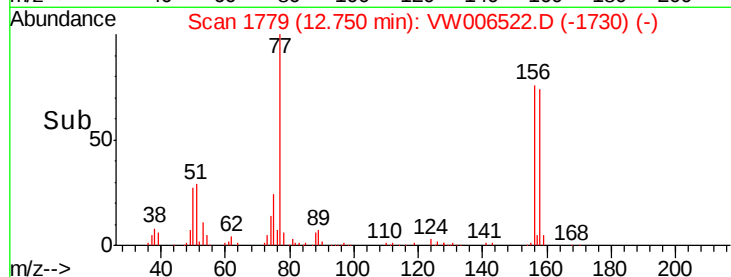
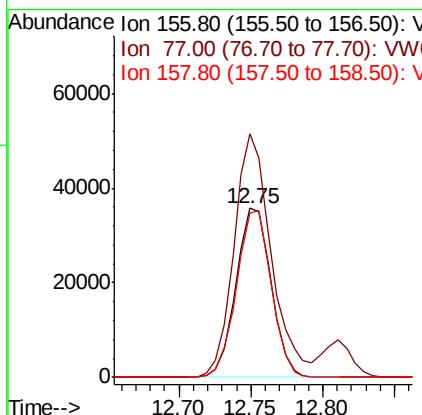
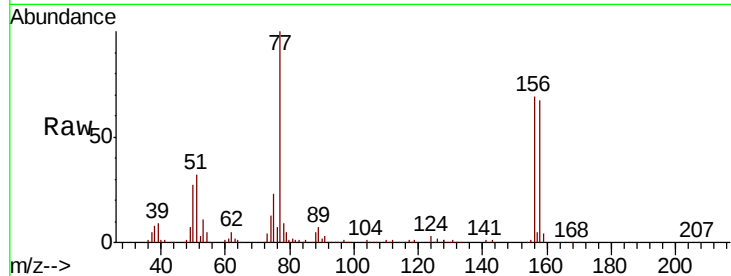
#77
Bromobenzene
Concen: 38.322 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	153.1	79.1	237.4	
158	97.2	48.5	145.6	

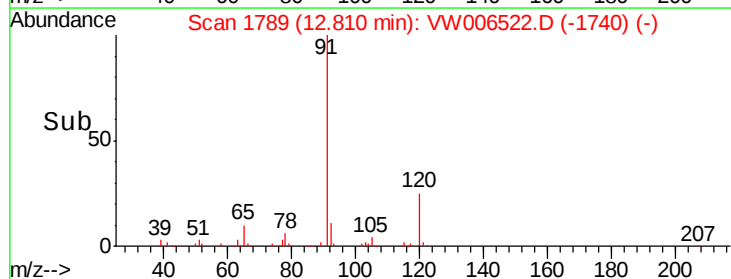
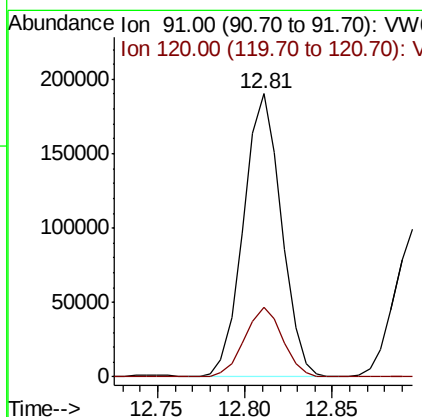
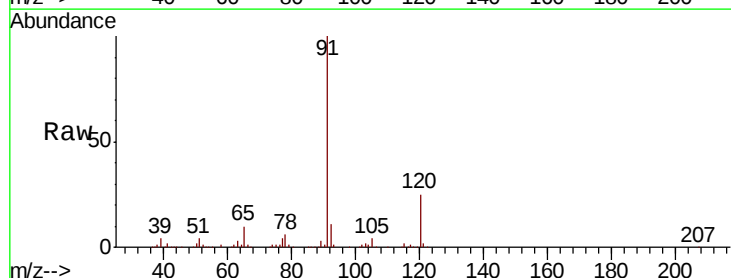
Manual Integrations
APPROVED

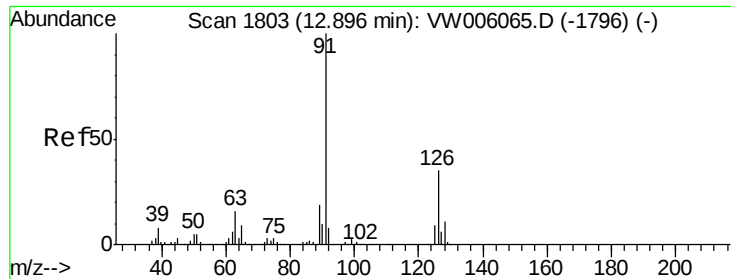
MMDadoda
11/1/2018 1:37:15 PM



#78
n-propylbenzene
Concen: 38.190 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.6	12.2	36.6	





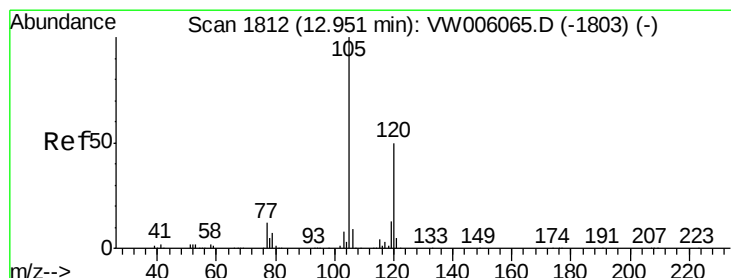
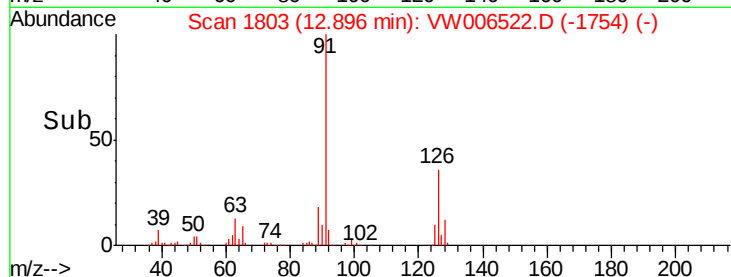
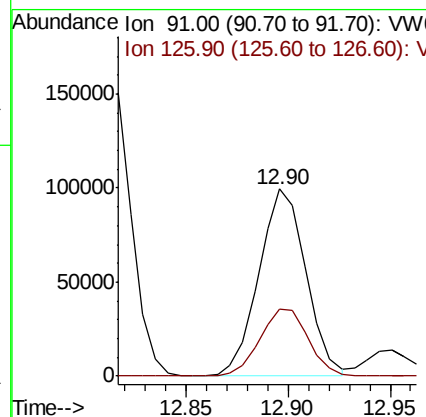
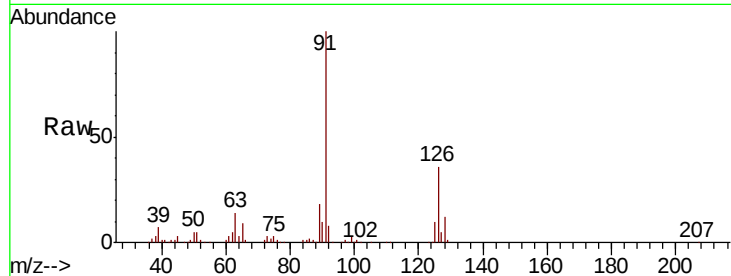
#79
 2-Chlorotoluene
 Concen: 37.896 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampled :
 VW1101SBSD01

Tot Ion: 91 Resp: 159795
 Ion Ratio Lower Upper
 91 100
 126 36.8 17.9 53.8

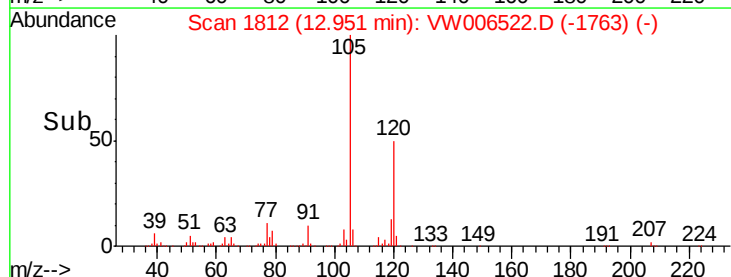
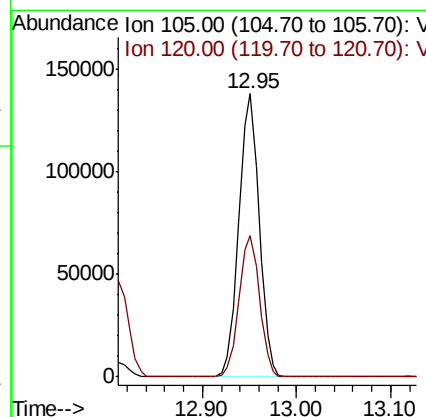
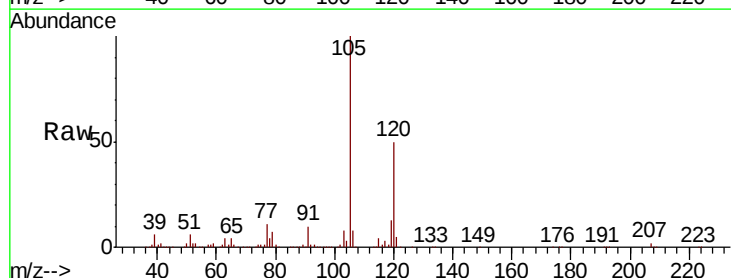
Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 1:37:15 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 38.242 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion:105 Resp: 207967
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.6





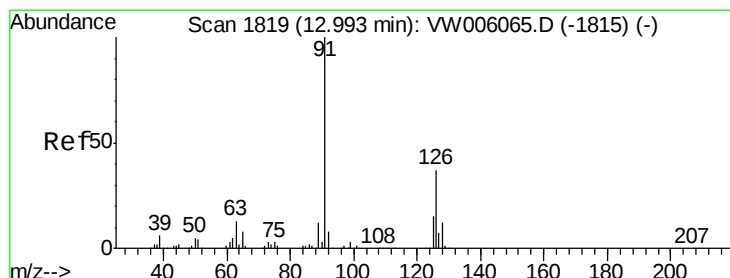
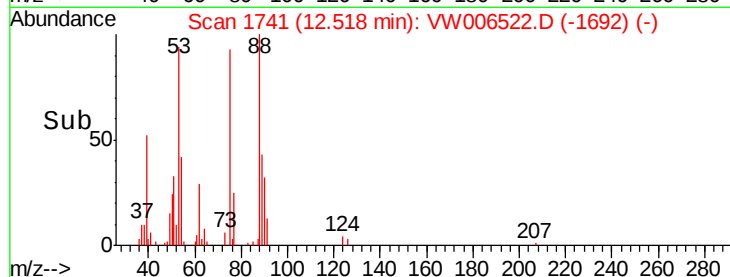
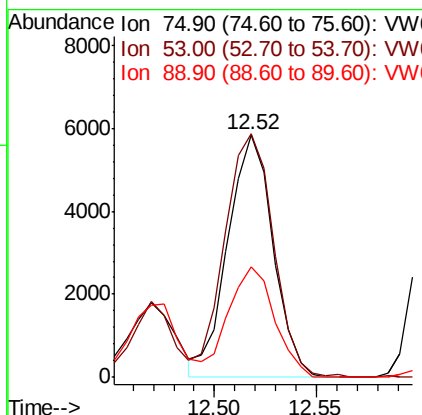
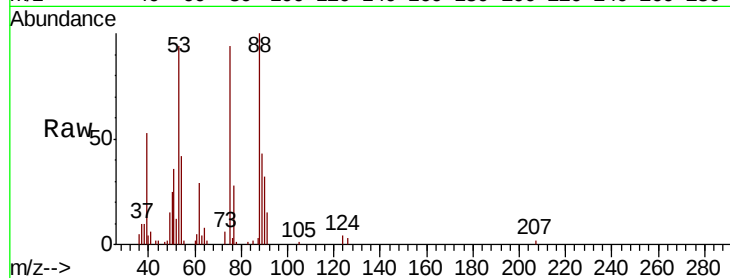
#81
trans-1,4-Dichloro-2-butene
Concen: 30.796 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.4	79.8	119.6
89	46.2	37.5	56.3

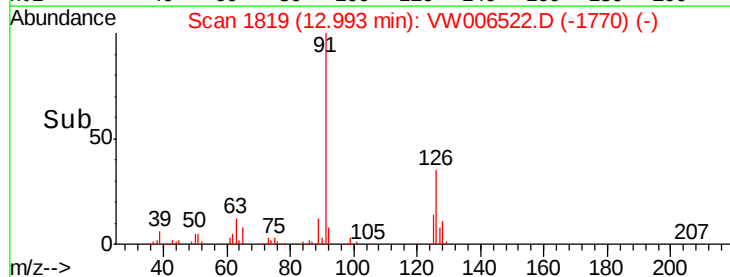
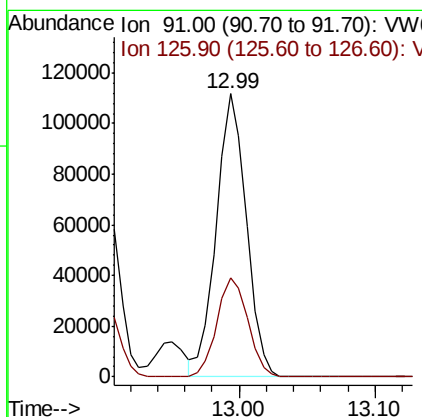
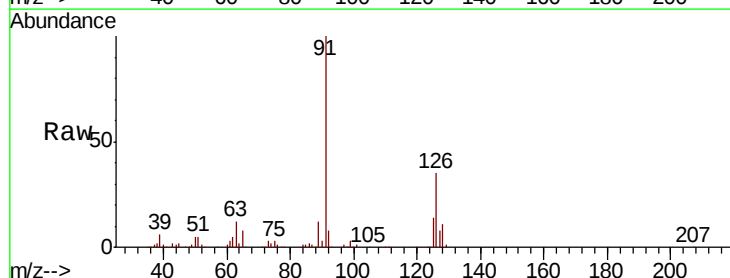
Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#82
4-Chlorotoluene
Concen: 38.707 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.3





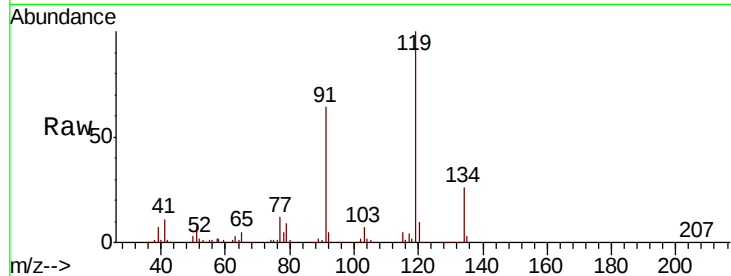
#83
tert-Butylbenzene
Concen: 37.935 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	32.3	96.9
134	25.3	13.6	40.8

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM

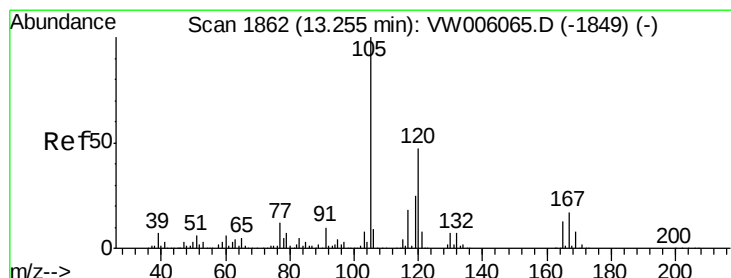
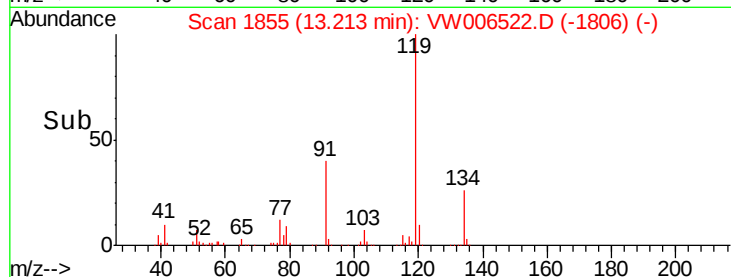
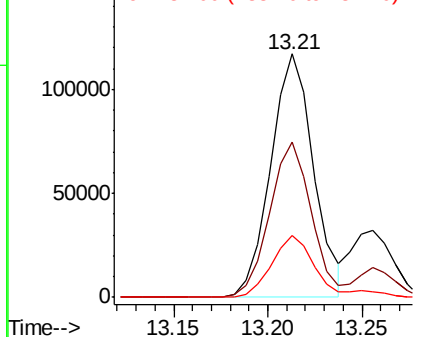


Abundance

Ion 119.00 (118.70 to 119.70): V

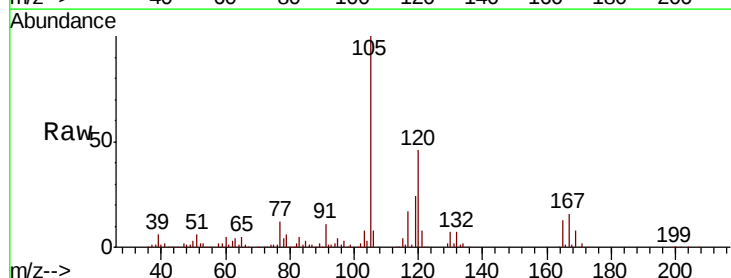
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 38.390 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

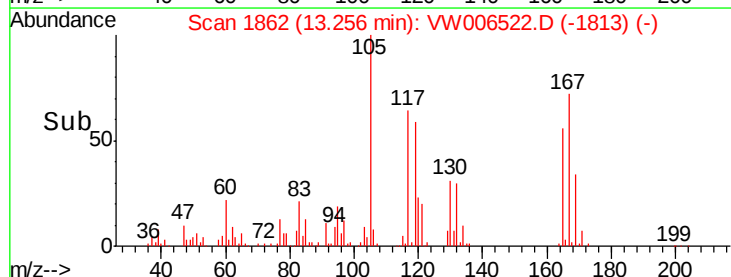
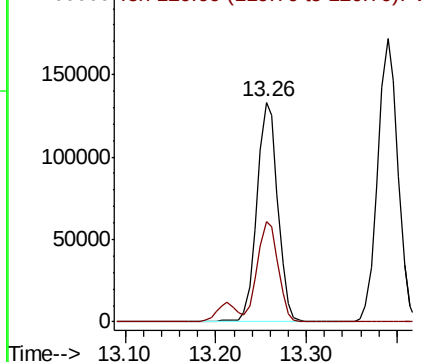
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.1	69.3

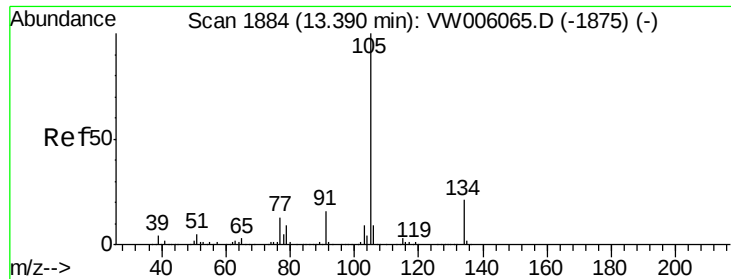


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





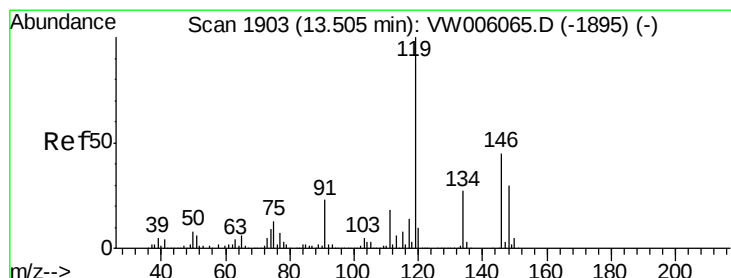
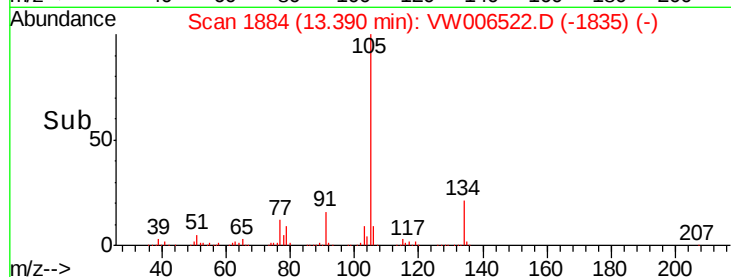
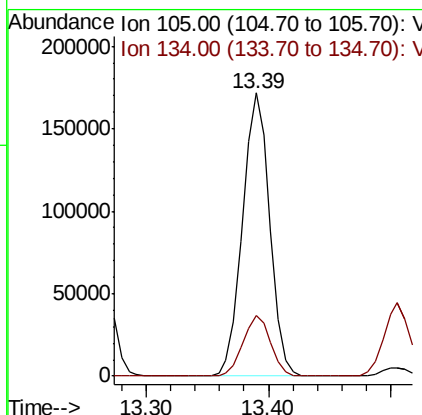
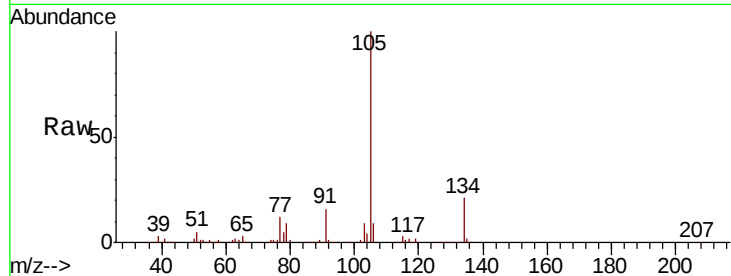
#85
 sec-Butylbenzene
 Concen: 38.470 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.5	31.6

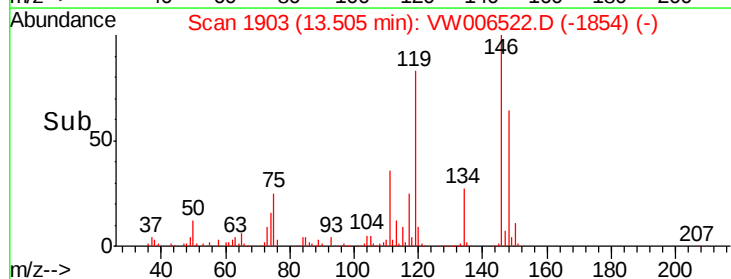
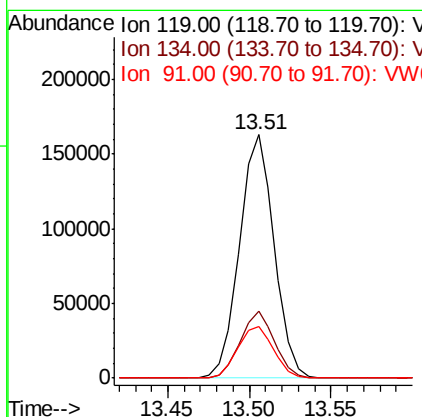
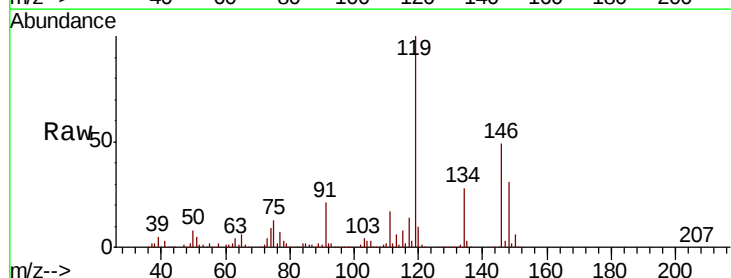
Manual Integrations
 APPROVED

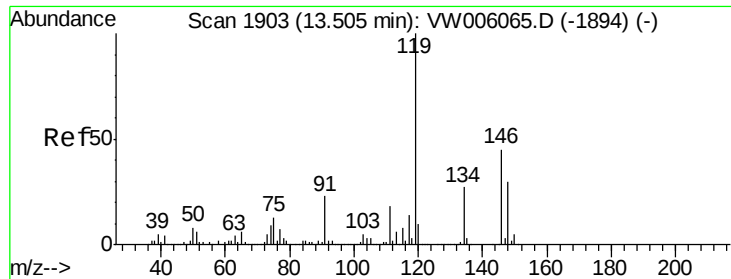
MMDadoda
 11/1/2018 1:37:15 PM



#86
 p-Isopropyltoluene
 Concen: 38.700 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.2
91	22.1	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 39.587 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

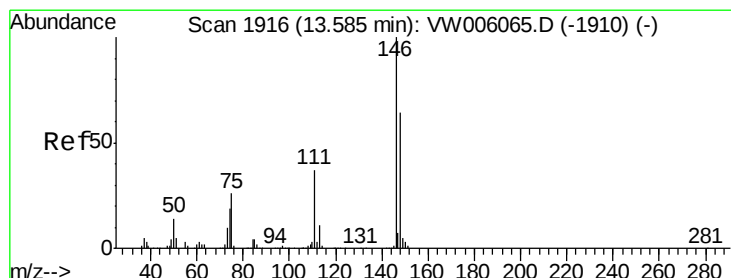
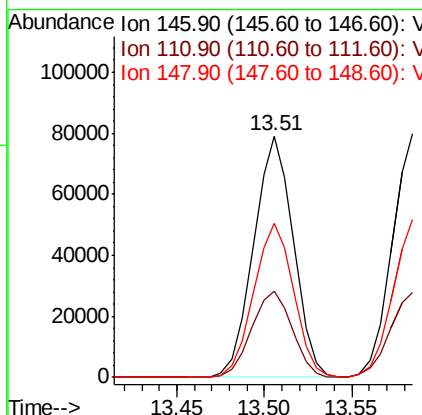
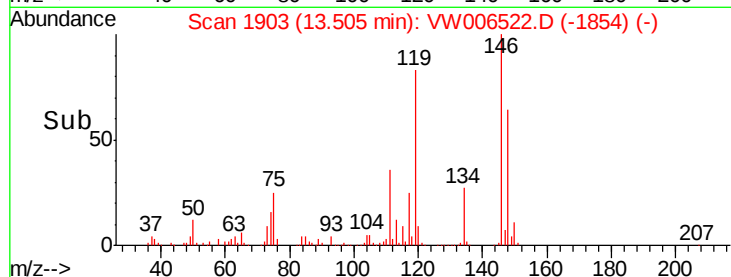
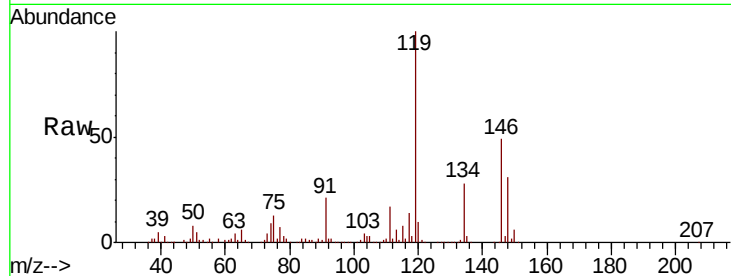
Instrument :
MSVOA_W

ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.1	57.5
148	64.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#88

1,4-Dichlorobenzene

Concen: 39.353 ug/l

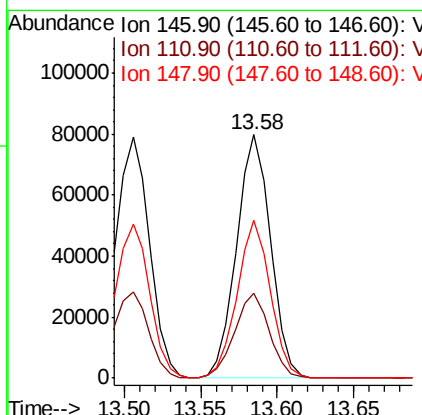
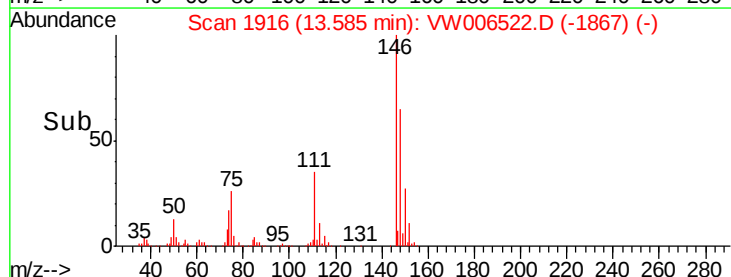
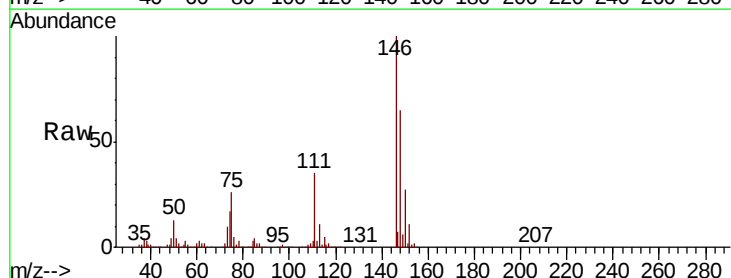
RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.6	56.0
148	63.3	32.1	96.5





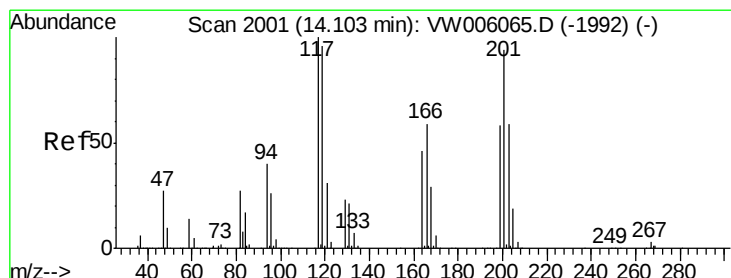
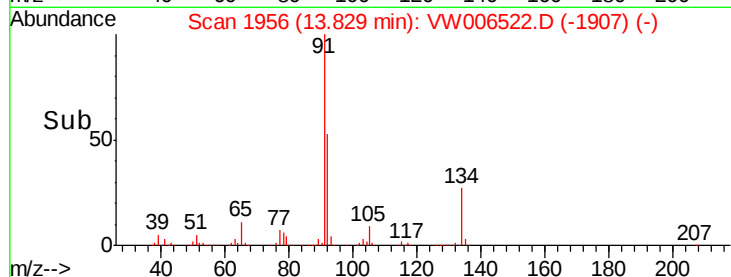
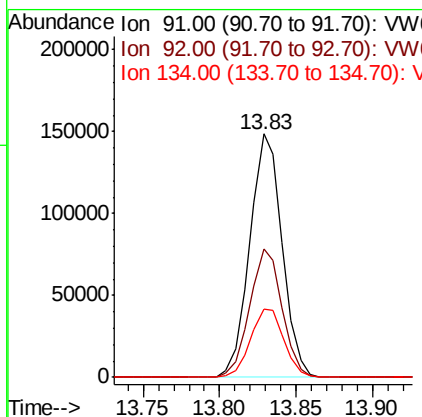
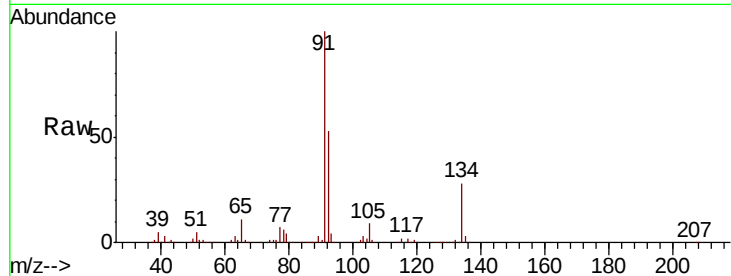
#89
n-Butylbenzene
Concen: 38.428 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	28.9	14.0	41.9

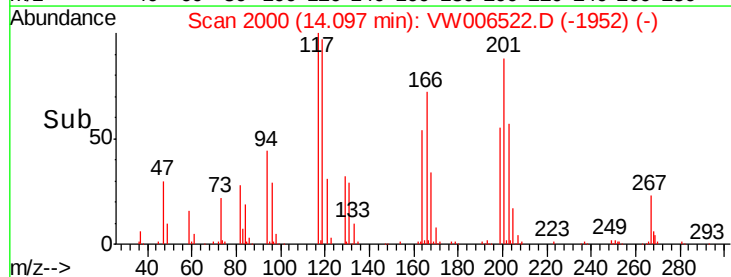
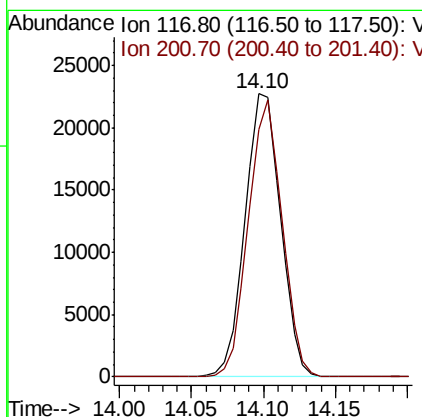
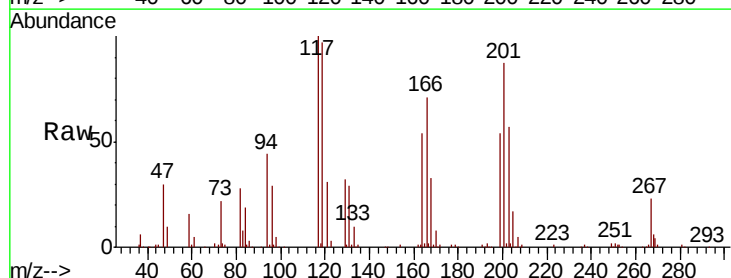
Manual Integrations
APPROVED

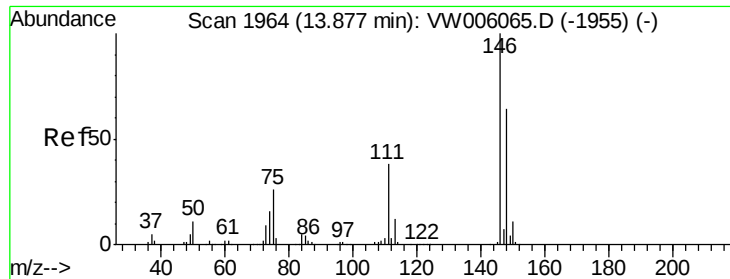
MMDadoda
11/1/2018 1:37:15 PM



#90
Hexachloroethane
Concen: 36.845 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	45.3	135.9





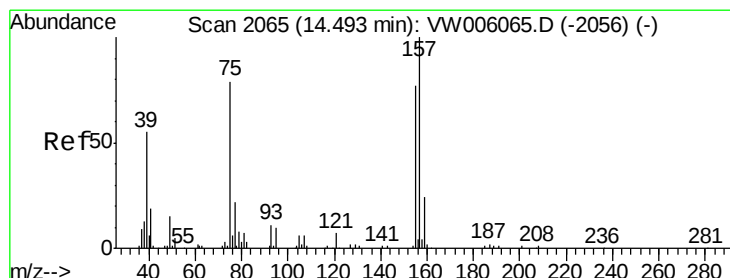
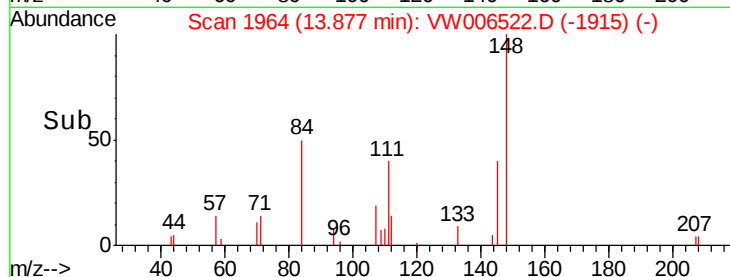
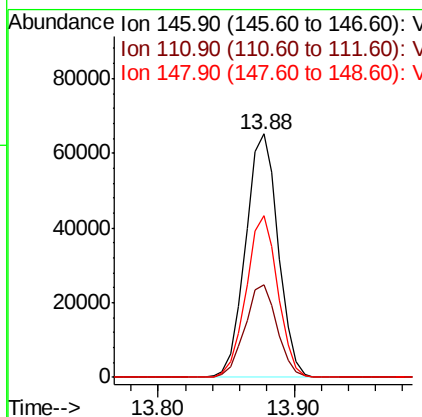
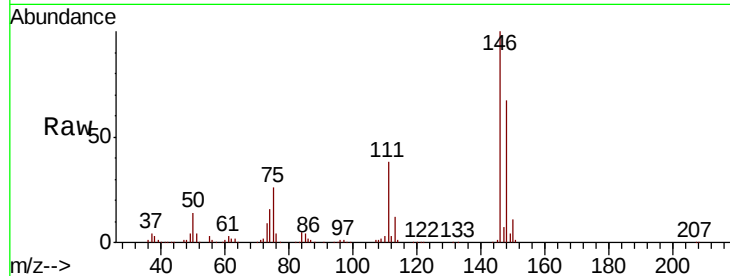
#91
 1,2-Dichlorobenzene
 Concen: 38.904 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.6	58.7
148	64.4	32.2	96.6

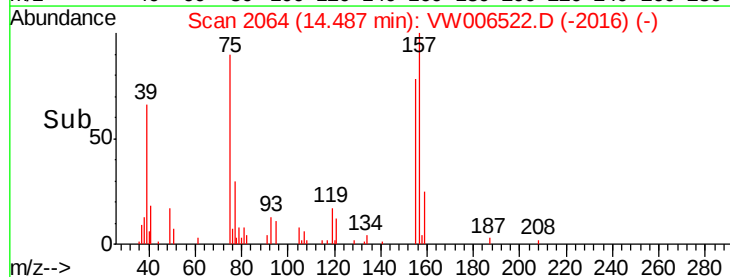
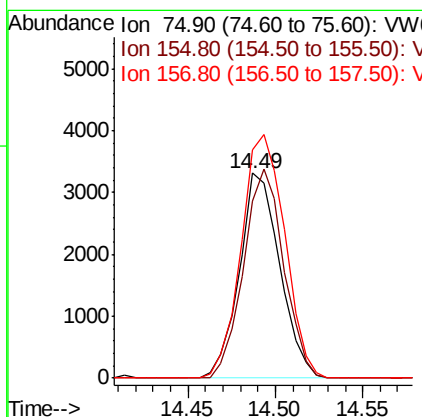
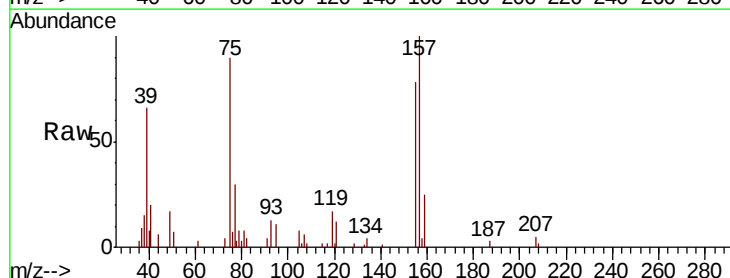
Manual Integrations
 APPROVED

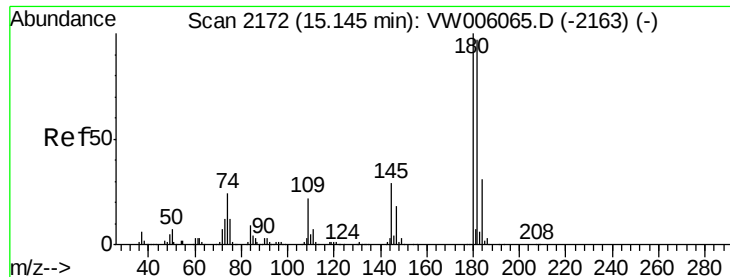
MMDadoda
 11/1/2018 1:37:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 30.359 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	46.5	139.5
157	127.2	59.8	179.4





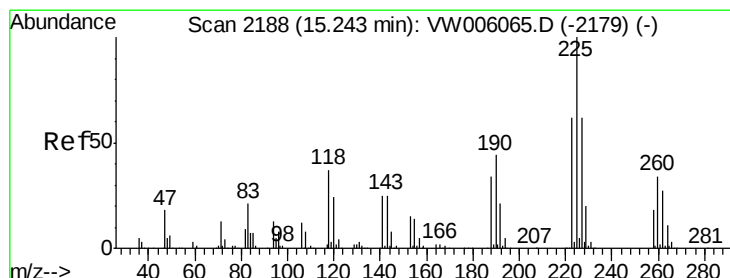
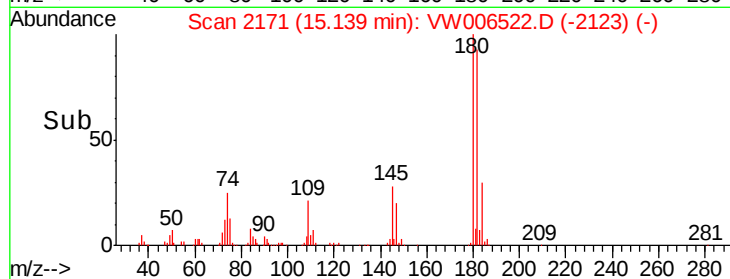
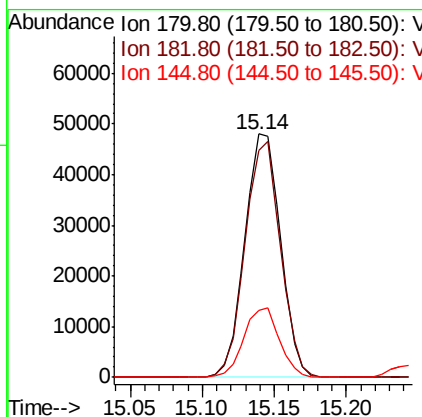
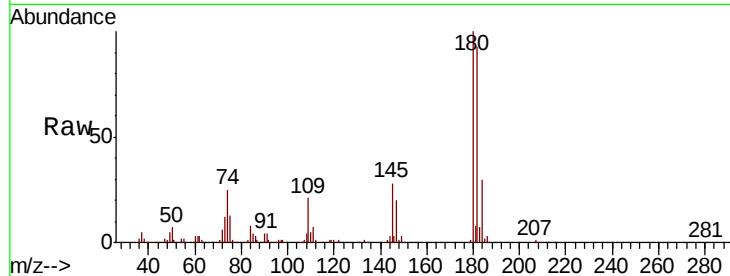
#93
 1,2,4-Trichlorobenzene
 Concen: 38.171 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82379		
182	95.8	47.9	143.6	
145	28.4	14.2	42.8	

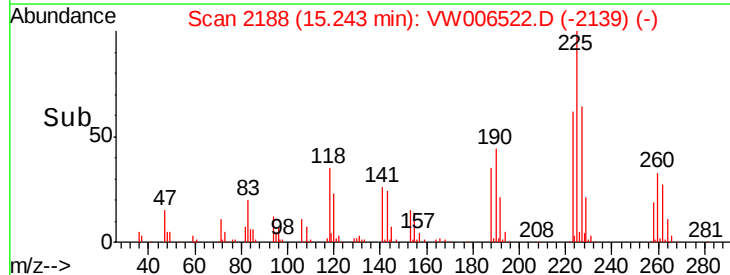
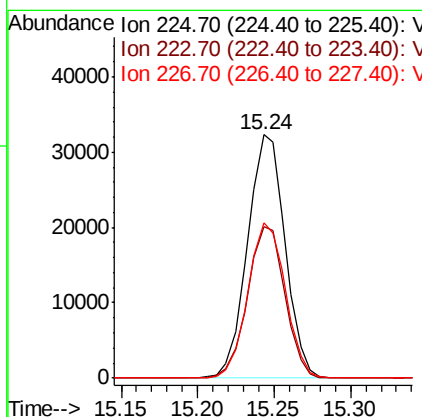
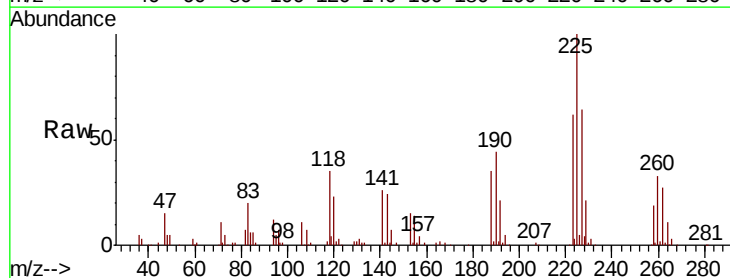
Manual Integrations
 APPROVED

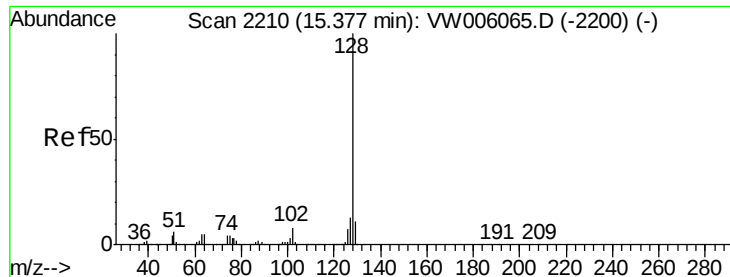
MMDadoda
 11/1/2018 1:37:15 PM



#94
 Hexachlorobutadiene
 Concen: 40.670 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55138		
223	62.0	31.1	93.5	
227	63.7	32.4	97.0	





#95

Naphthalene

Concen: 33.897 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

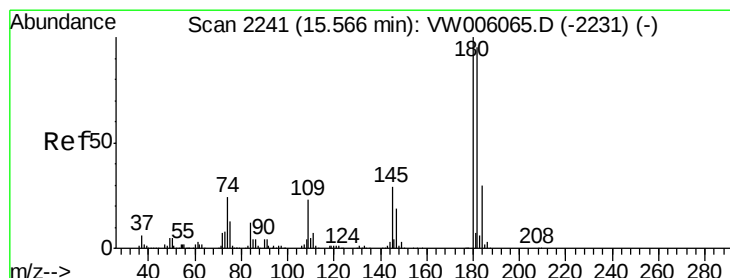
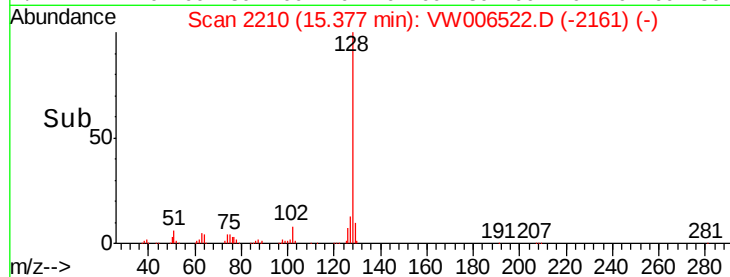
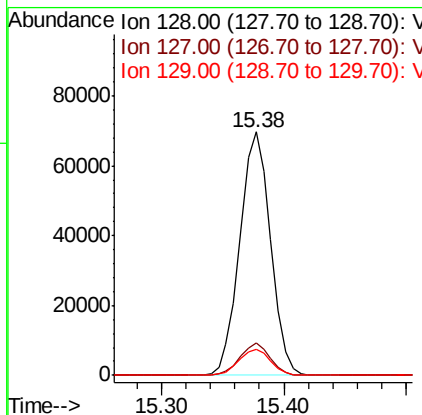
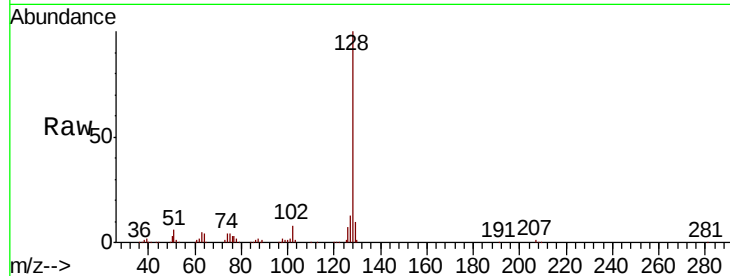
ClientSampleId :

VW1101SBSD01

Tot Ion:	128	Resp:	121695
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/1/2018 1:37:15 PM



#96

1,2,3-Trichlorobenzene

Concen: 38.079 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion:	180	Resp:	71083
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.8	143.3
145	28.8	15.0	45.1

