

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011515.D
 Acq On : 26 Jul 2019 14:10
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:18:49 AM

Quant Time: Jul 27 05:41:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366225	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128073	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.88	113	104493	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.32	98	428181	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	153169	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58348	46.203	ug/l	100
3) Chloromethane	2.21	50	97047	44.317	ug/l	99
4) Vinyl Chloride	2.36	62	120457	45.690	ug/l	99
5) Bromomethane	2.78	94	67296	46.116	ug/l	99
6) Chloroethane	2.92	64	69186	45.942	ug/l	97
7) Trichlorofluoromethane	3.25	101	55065	46.735	ug/l	98
8) Diethyl Ether	3.68	74	61203	45.814	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	103547	46.328	ug/l	99
10) Methyl Iodide	4.27	142	145150	45.954	ug/l	100
11) Tert butyl alcohol	5.17	59	42941	221.596	ug/l	98
12) 1,1-Dichloroethene	4.04	96	108946	46.165	ug/l	98
13) Acrolein	3.89	56	44982	240.934	ug/l	99
14) Allyl chloride	4.67	41	232018	46.225	ug/l	100
15) Acrylonitrile	5.36	53	154458	231.617	ug/l	98
16) Acetone	4.12	43	194612	235.130	ug/l	99
17) Carbon Disulfide	4.39	76	343930	46.564	ug/l	99
18) Methyl Acetate	4.67	43	85294	45.873	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	173744	46.395	ug/l	95
20) Methylene Chloride	4.92	84	123503	43.266	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	117647	46.240	ug/l	99
22) Diisopropyl ether	6.31	45	435217	45.990	ug/l	97
23) Vinyl Acetate	6.25	43	1394775	234.563	ug/l	99
24) 1,1-Dichloroethane	6.21	63	231052	45.589	ug/l	99
25) 2-Butanone	7.17	43	245656	226.820	ug/l	98
26) 2,2-Dichloropropane	7.17	77	133985	42.987	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	126835	45.296	ug/l	98
28) Bromochloromethane	7.51	49	115144	51.185	ug/l #	100
29) Tetrahydrofuran	7.52	42	141674	228.847	ug/l	99
30) Chloroform	7.68	83	209628	44.833	ug/l	100
31) Cyclohexane	7.95	56	218338	44.879	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	164174	46.105	ug/l	99
36) 1,1-Dichloropropene	8.08	75	175464	46.077	ug/l	99
37) Ethyl Acetate	7.25	43	100604	45.919	ug/l	98
38) Carbon Tetrachloride	8.07	117	151847	46.579	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011515.D
 Acq On : 26 Jul 2019 14:10
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:18:49 AM

Quant Time: Jul 27 05:41:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	199074	47.476	ug/l	99
40) Benzene	8.32	78	485635	45.528	ug/l	100
41) Methacrylonitrile	7.48	41	59718	45.598	ug/l	95
42) 1,2-Dichloroethane	8.40	62	152991	45.812	ug/l	99
43) Isopropyl Acetate	8.42	43	187215	46.464	ug/l	98
44) Trichloroethene	9.09	130	119569	46.639	ug/l	98
45) 1,2-Dichloropropane	9.37	63	131342	46.020	ug/l	100
46) Dibromomethane	9.46	93	59980	46.045	ug/l	98
47) Bromodichloromethane	9.65	83	156885	45.913	ug/l	99
48) Methyl methacrylate	9.43	41	91697	47.377	ug/l	99
49) 1,4-Dioxane	9.45	88	17752	941.186	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	487604	232.659	ug/l	100
52) Toluene	10.39	92	300263	46.613	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	167512	46.930	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	199520	47.012	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	85213	46.105	ug/l	98
56) Ethyl methacrylate	10.65	69	128845	47.640	ug/l	98
57) 1,3-Dichloropropane	10.93	76	161738	46.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	357461	291.096	ug/l	99
59) 2-Hexanone	10.97	43	351623	237.621	ug/l	99
60) Dibromochloromethane	11.13	129	96509	47.041	ug/l	99
61) 1,2-Dibromoethane	11.24	107	81185	46.416	ug/l	100
64) Tetrachloroethene	10.86	164	95035	44.370	ug/l	99
65) Chlorobenzene	11.66	112	299232	45.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	105653	45.863	ug/l	99
67) Ethyl Benzene	11.73	91	578192	45.903	ug/l	99
68) m/p-Xylenes	11.84	106	419388	91.554	ug/l	100
69) o-Xylene	12.16	106	196355	46.128	ug/l	100
70) Styrene	12.18	104	344146	46.760	ug/l	99
71) Bromoform	12.35	173	54377	46.295	ug/l #	99
73) Isopropylbenzene	12.46	105	544325	46.779	ug/l	100
74) N-amyl acetate	12.27	43	176705	48.505	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	101829	46.524	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	70251m	42.566	ug/l	
77) Bromobenzene	12.75	156	119417	46.431	ug/l	99
78) n-propylbenzene	12.80	91	670605	47.355	ug/l	100
79) 2-Chlorotoluene	12.89	91	381343	46.743	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	462229	47.389	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	33199	46.360	ug/l	98
82) 4-Chlorotoluene	12.99	91	395874	46.248	ug/l	99
83) tert-Butylbenzene	13.21	119	387481	47.504	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	464565	47.280	ug/l	99
85) sec-Butylbenzene	13.38	105	553108	47.523	ug/l	100
86) p-Isopropyltoluene	13.50	119	500375	47.384	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	235198	46.638	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	233953	46.636	ug/l	100
89) n-Butylbenzene	13.82	91	504143	47.840	ug/l	99
90) Hexachloroethane	14.09	117	88959	47.641	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	208177	46.673	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17503	46.895	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
Data File : VW011515.D
Acq On : 26 Jul 2019 14:10
Operator : SY/VA
Sample : VSTDICV050
Misc : 5.00G/5.0ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

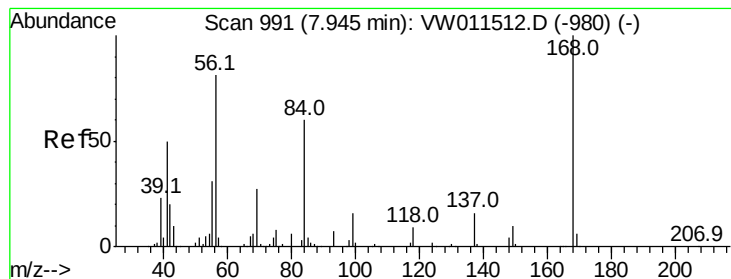
Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM

Quant Time: Jul 27 05:41:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	154576	49.173	ug/l	100
94) Hexachlorobutadiene	15.24	225	94580	48.247	ug/l	99
95) Naphthalene	15.37	128	286441	46.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	137650	49.955	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion:168 Resp: 226597

Ion Ratio Lower Upper

168 100

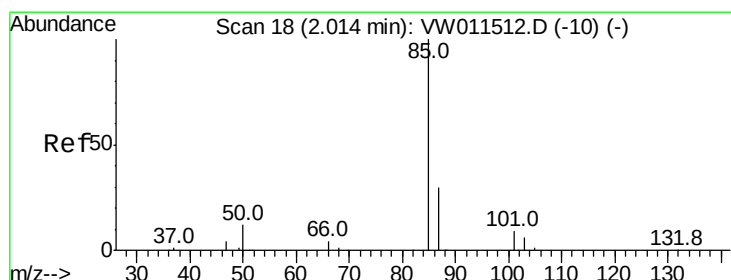
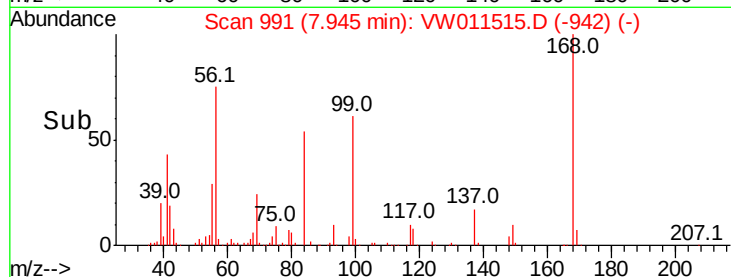
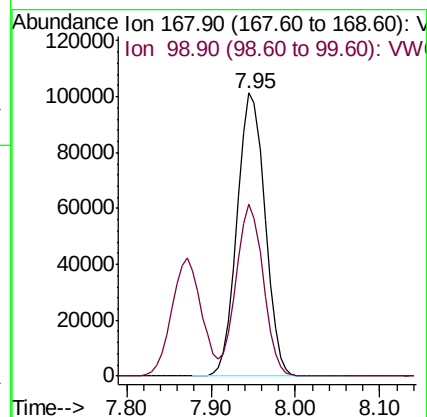
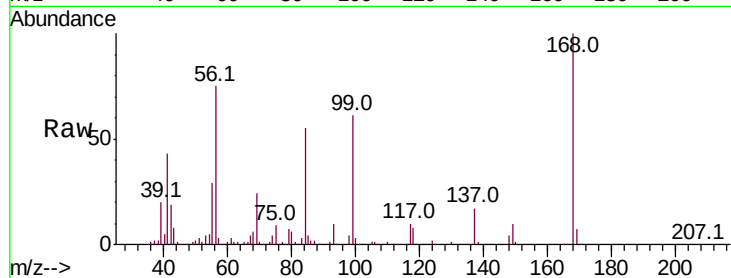
99 60.8 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM



#2

Dichlorodifluoromethane

Concen: 46.203 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011515.D

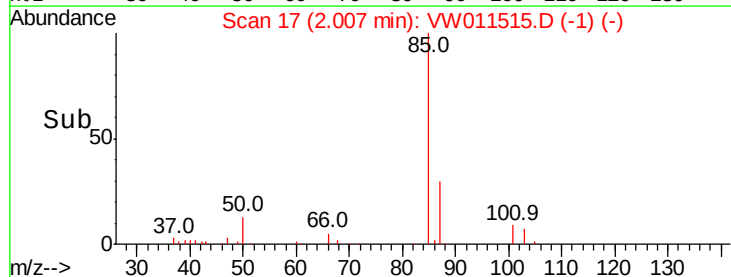
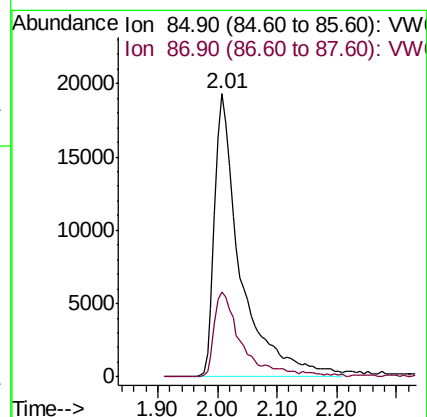
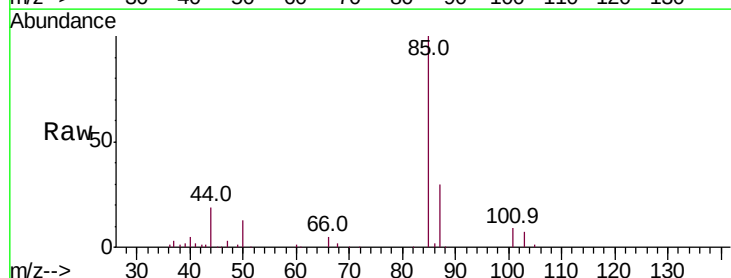
Acq: 26 Jul 2019 14:10

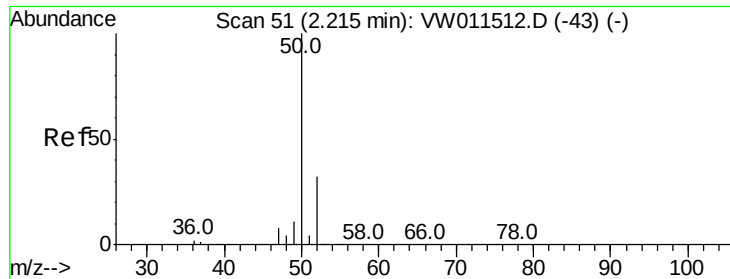
Tgt Ion: 85 Resp: 58348

Ion Ratio Lower Upper

85 100

87 30.2 15.2 45.6





#3

Chloromethane

Concen: 44.317 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 50 Resp: 97047

Ion Ratio Lower Upper

50 100

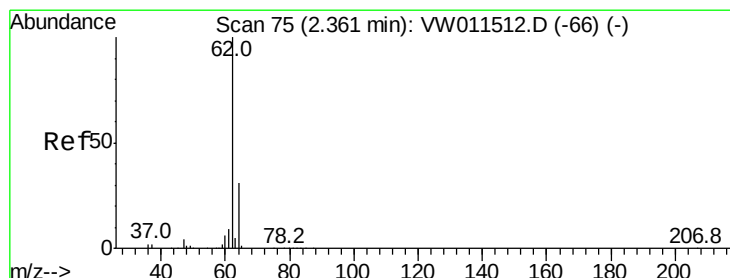
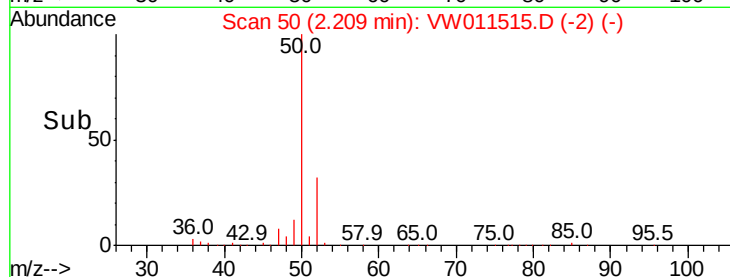
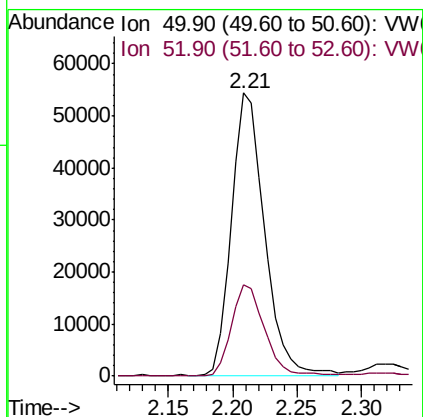
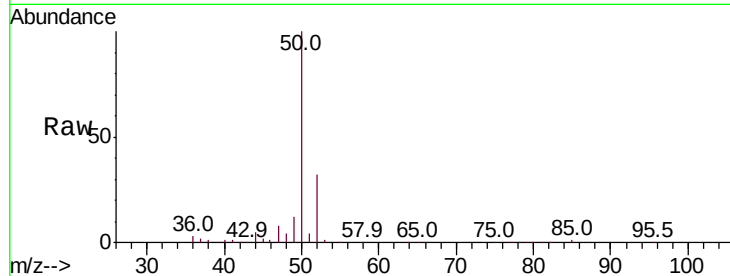
52 32.2 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM



#4

Vinyl Chloride

Concen: 45.690 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011515.D

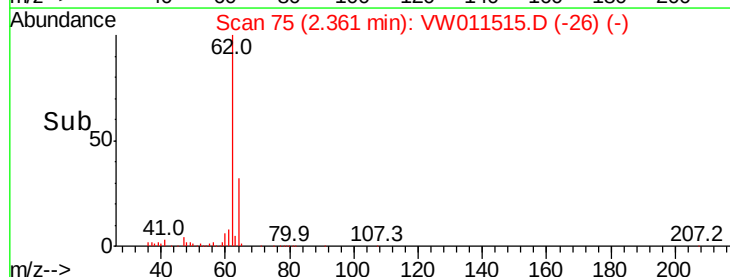
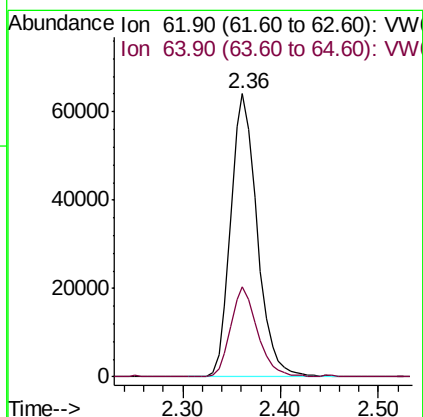
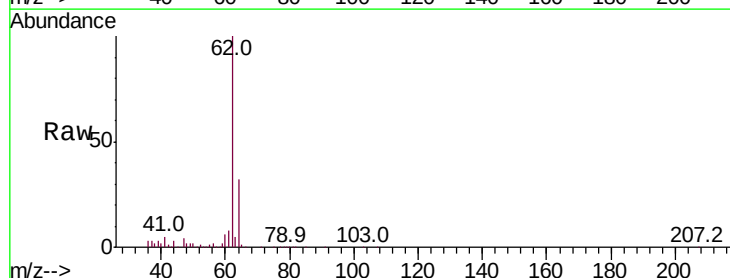
Acq: 26 Jul 2019 14:10

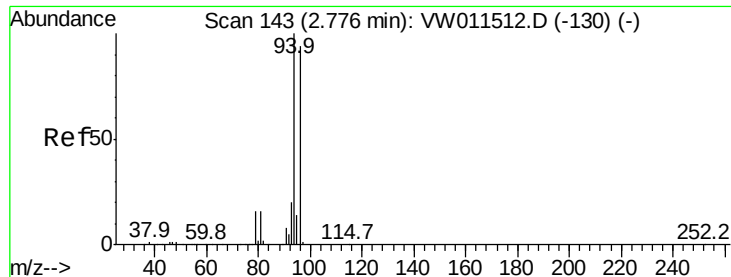
Tgt Ion: 62 Resp: 120457

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 46.116 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 94 Resp: 67296

Ion Ratio Lower Upper

94 100

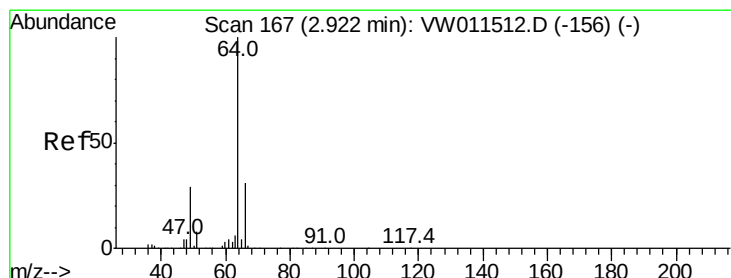
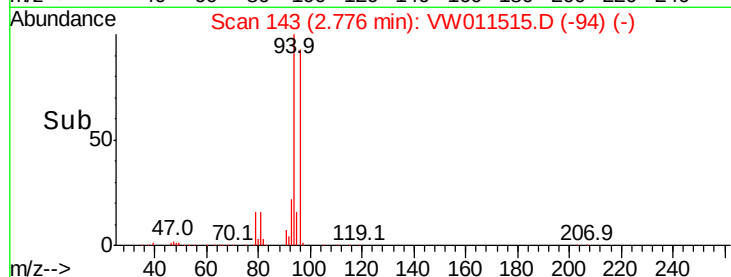
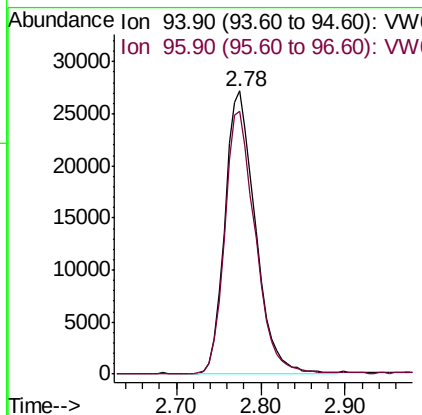
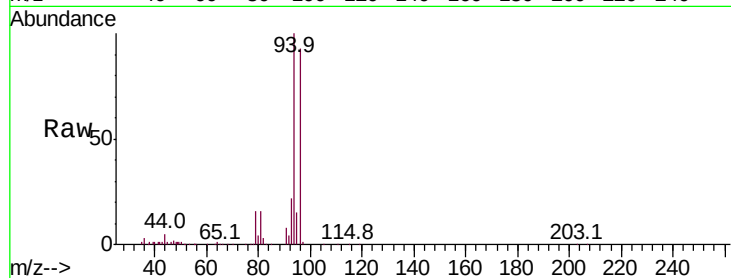
96 92.8 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM



#6

Chloroethane

Concen: 45.942 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011515.D

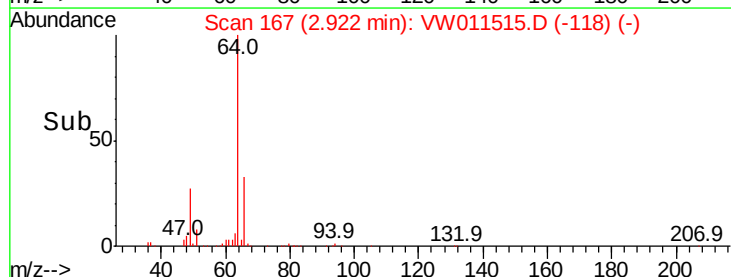
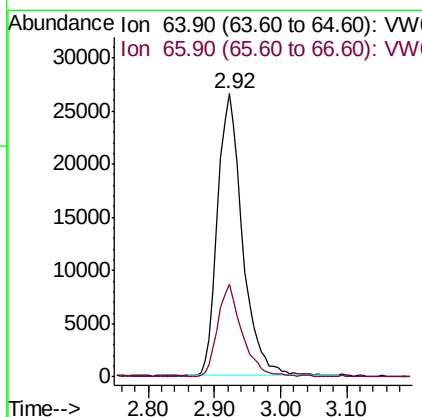
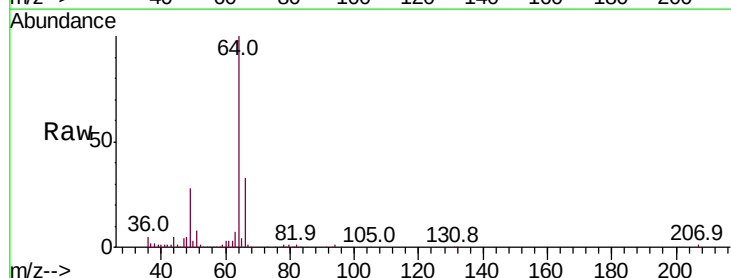
Acq: 26 Jul 2019 14:10

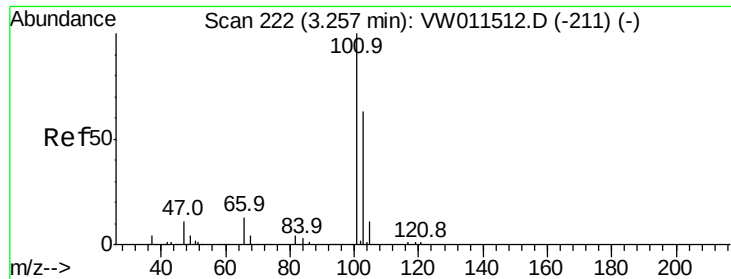
Tgt Ion: 64 Resp: 69186

Ion Ratio Lower Upper

64 100

66 32.5 24.6 36.8





#7

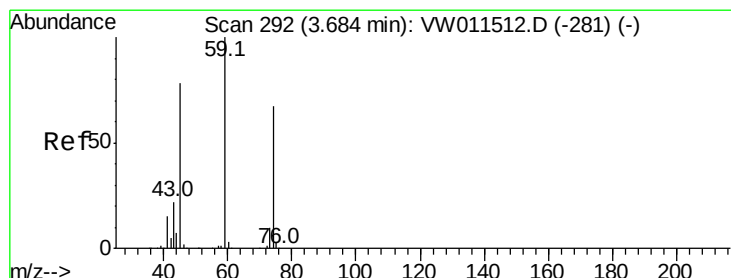
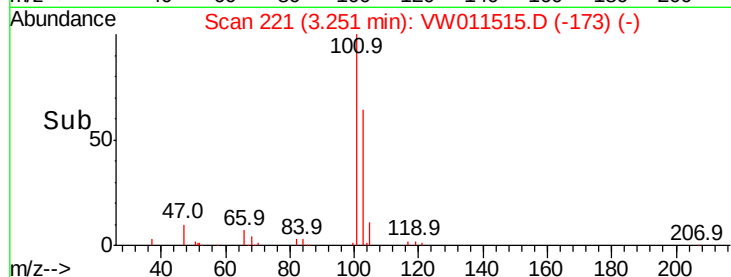
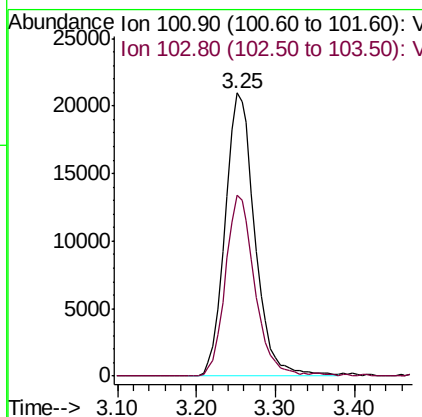
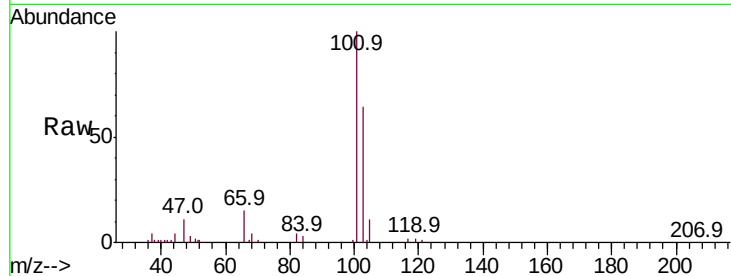
Trichlorofluoromethane
 Concen: 46.735 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.2	75.4

Manual Integrations
 APPROVED

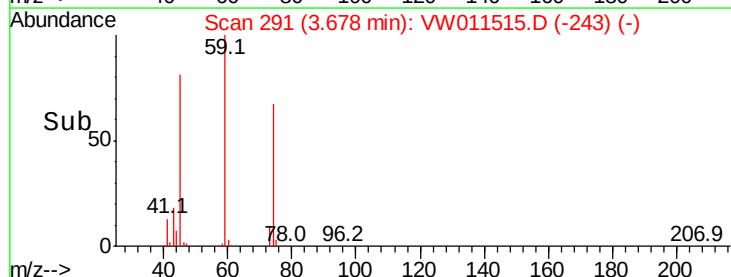
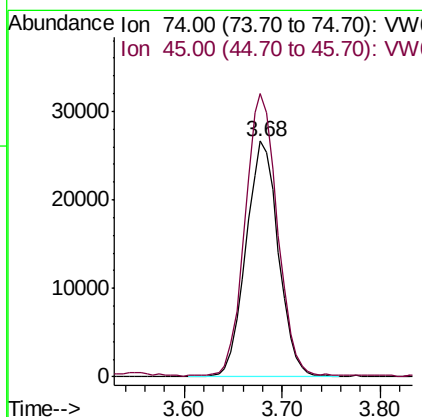
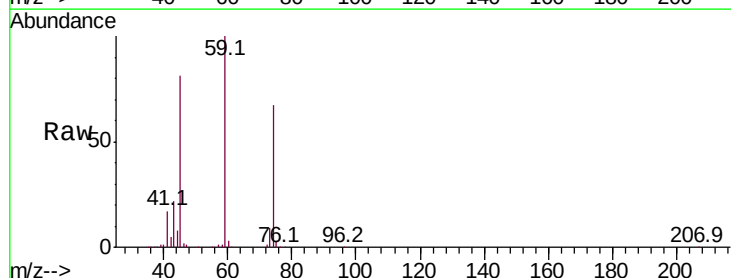
MMDadoda
 7/29/2019 9:18:49 AM

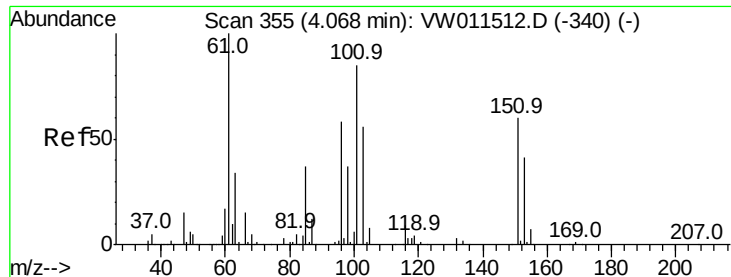


#8

Diethyl Ether
 Concen: 45.814 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.6	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.328 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

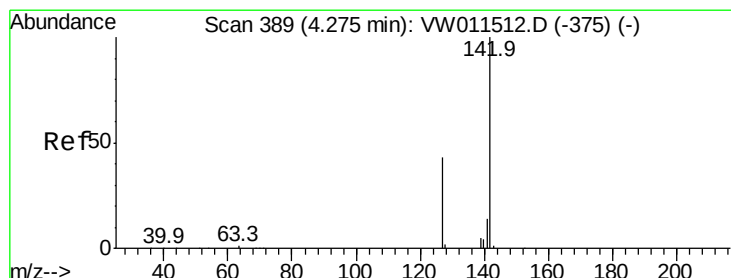
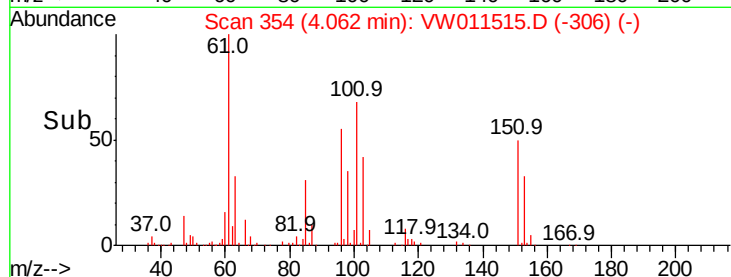
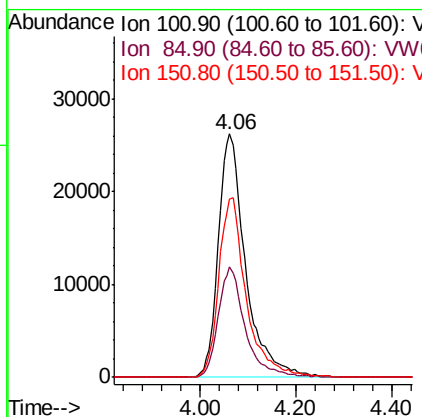
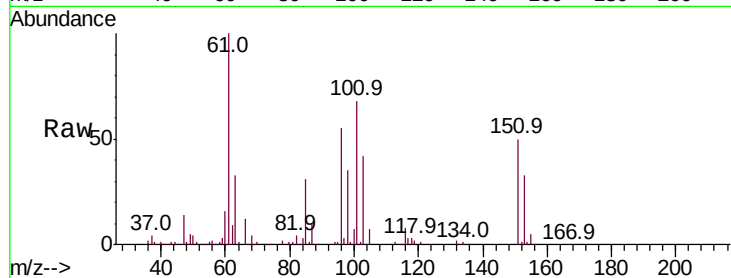
ClientSampleId :

ICVW072719

Tot Ion:	101	Resp:	103547
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.6	54.8
151	74.6	60.2	90.2

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM



#10

Methyl Iodide

Concen: 45.954 ug/l

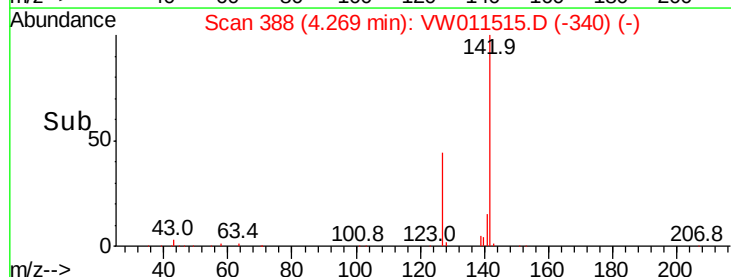
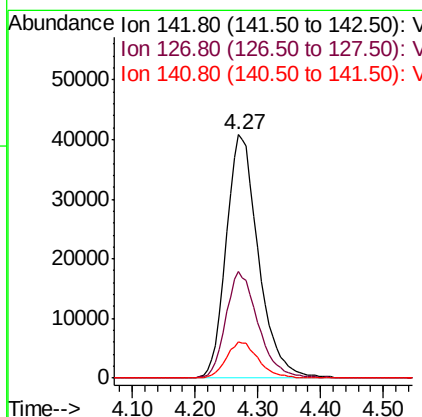
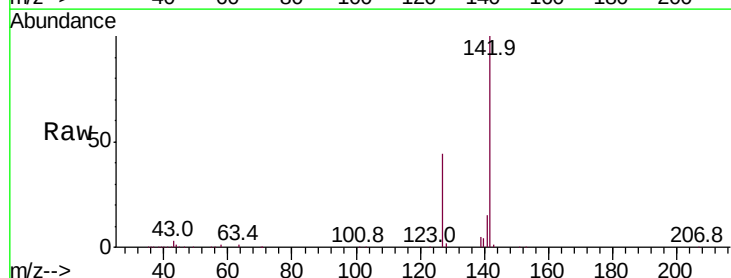
RT: 4.27 min Scan# 388

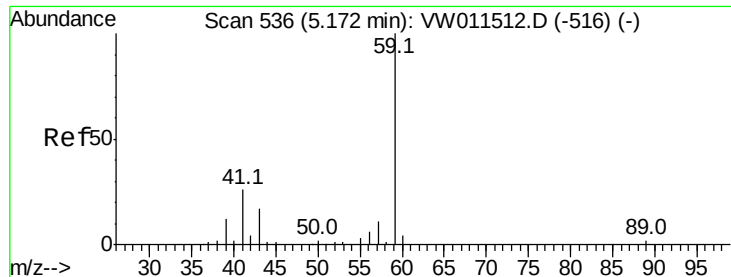
Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion:	142	Resp:	145150
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.0	52.6
141	14.8	11.9	17.9





#11

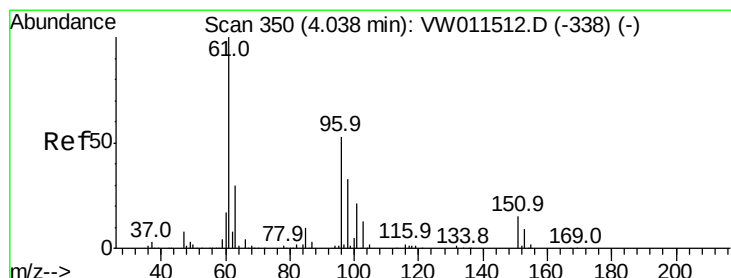
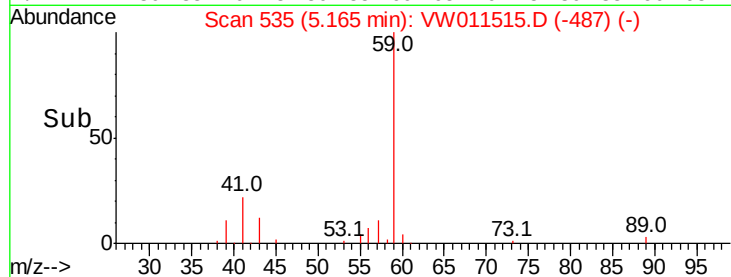
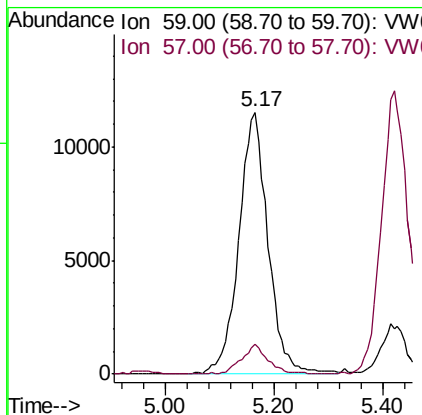
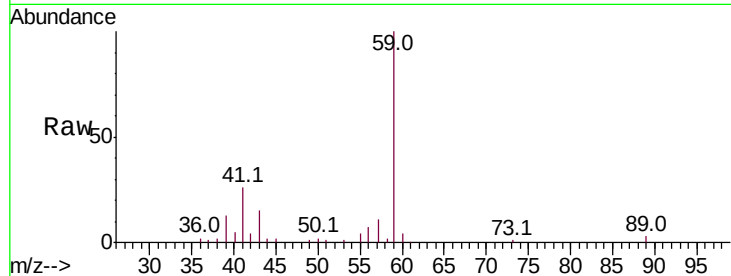
Tert butyl alcohol
 Concen: 221.596 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW072719

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

Manual Integrations
 APPROVED

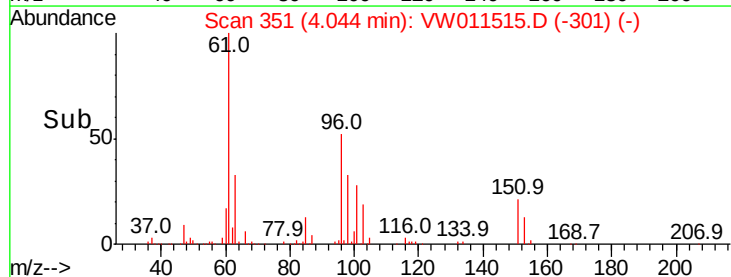
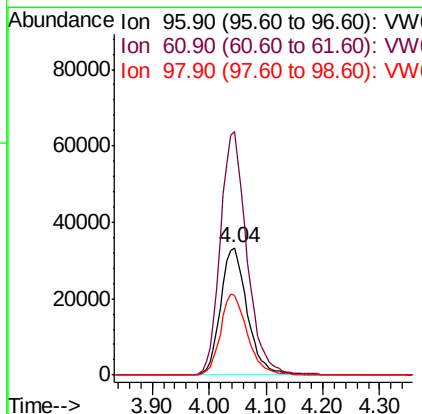
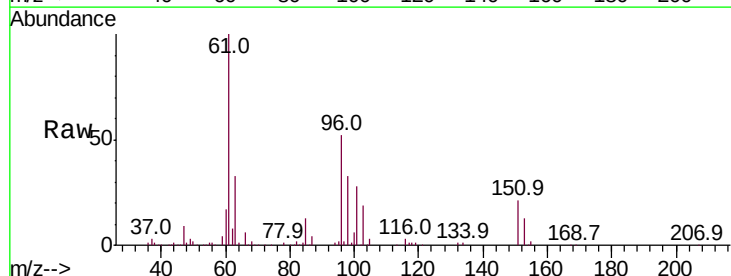
MMDadoda
 7/29/2019 9:18:49 AM

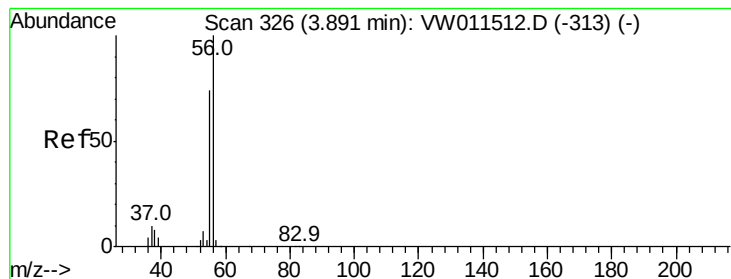


#12

1,1-Dichloroethene
 Concen: 46.165 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.3	149.9	224.9
98	62.3	49.1	73.7





#13

Acrolein

Concen: 240.934 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 56 Resp: 44982

Ion Ratio Lower Upper

56 100

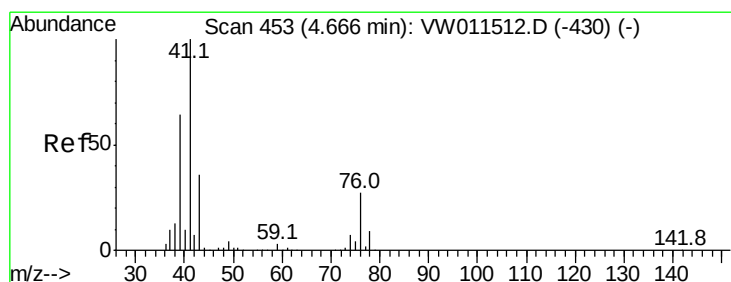
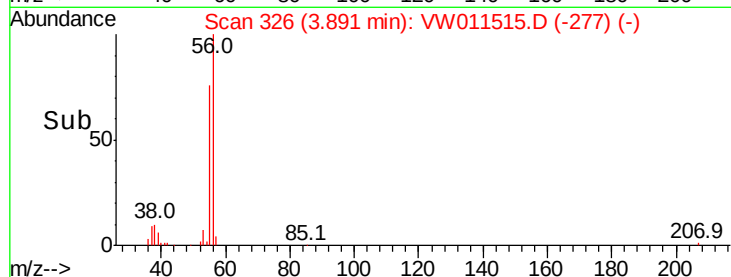
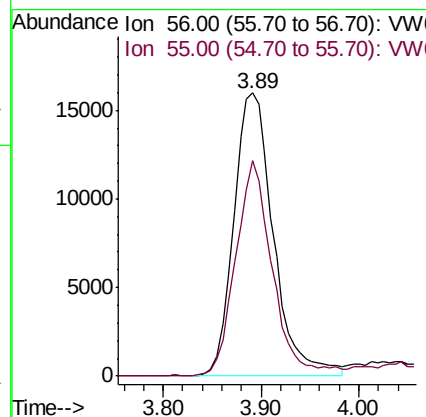
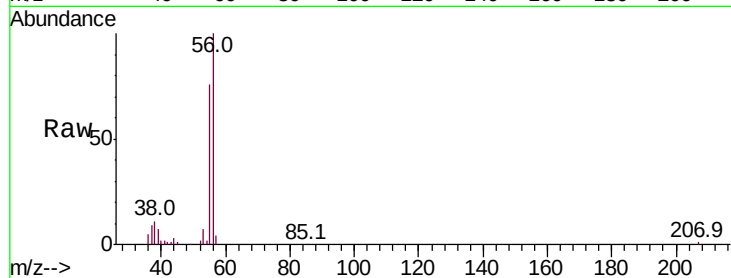
55 69.3 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM



#14

Allyl chloride

Concen: 46.225 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

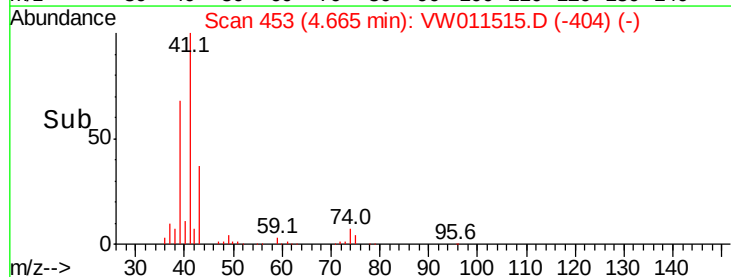
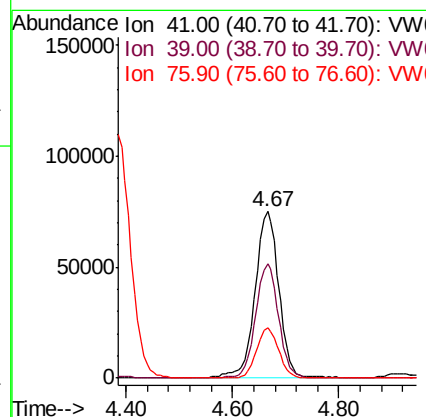
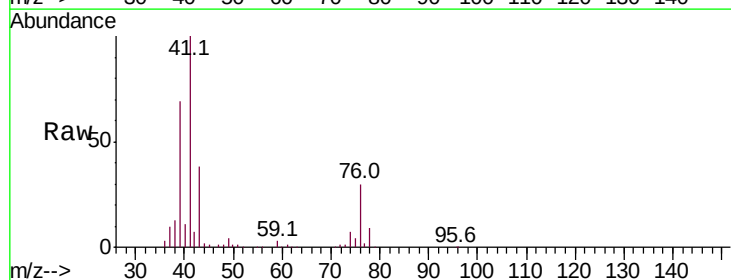
Tgt Ion: 41 Resp: 232018

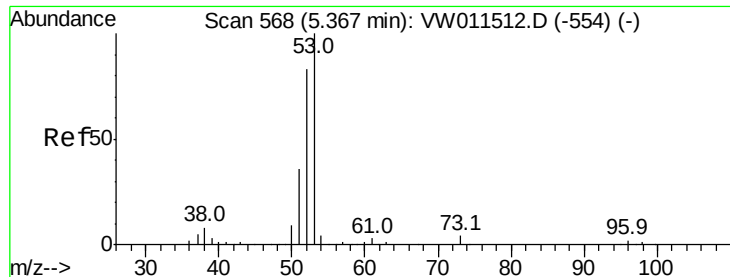
Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

76 28.0 22.0 33.0





#15

Acrylonitrile

Concen: 231.617 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

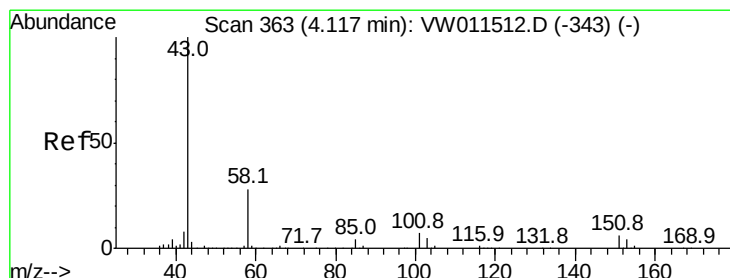
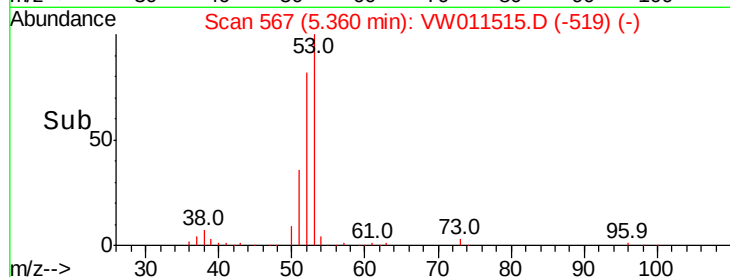
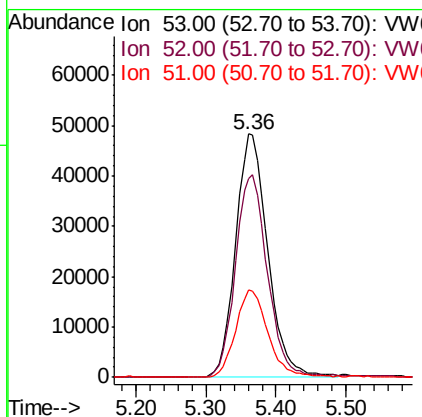
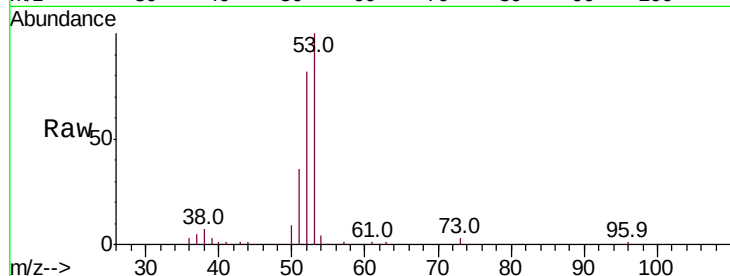
ClientSampleId :

ICVW072719

Tot Ion:	53	Resp:	154458
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.2	100.8
51	36.4	30.0	45.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM



#16

Acetone

Concen: 235.130 ug/l

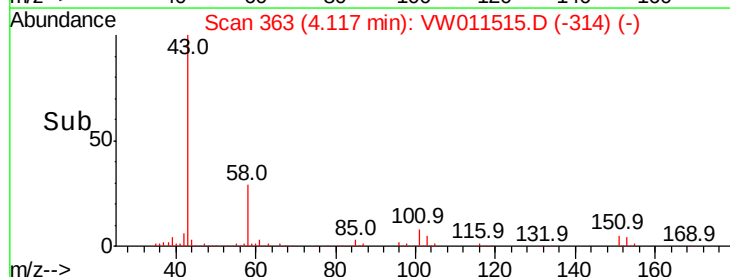
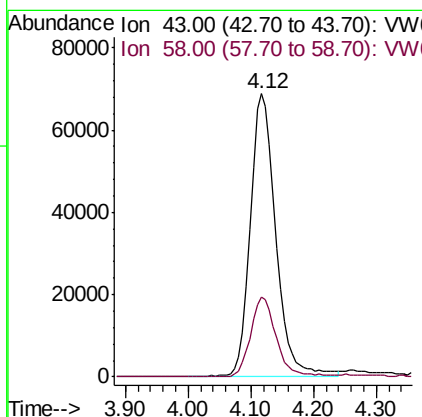
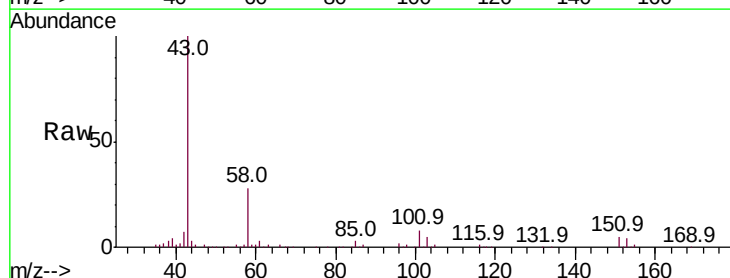
RT: 4.12 min Scan# 363

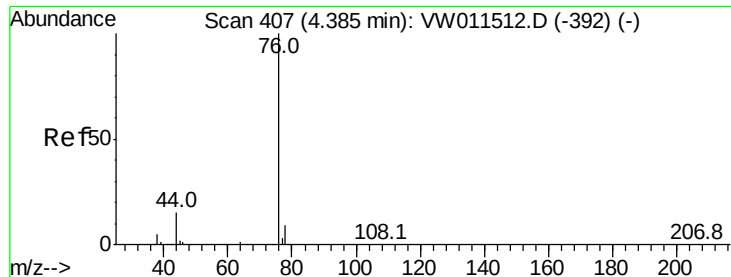
Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion:	43	Resp:	194612
Ion	Ratio	Lower	Upper
43	100		
58	28.2	22.3	33.5





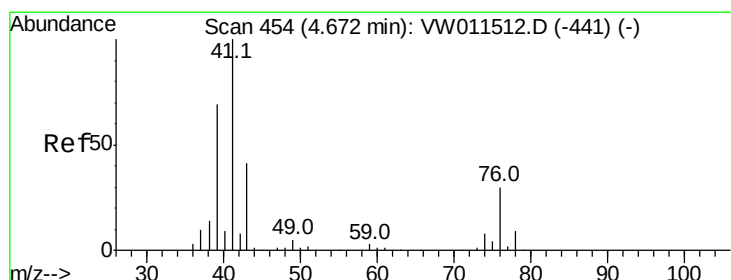
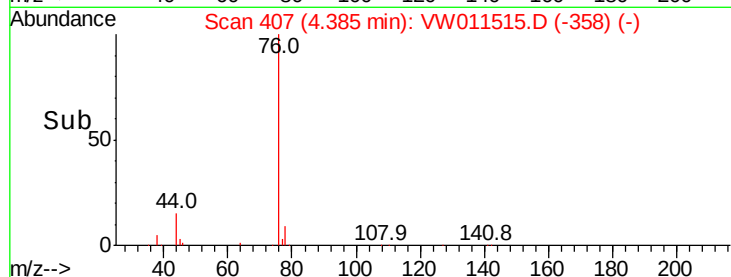
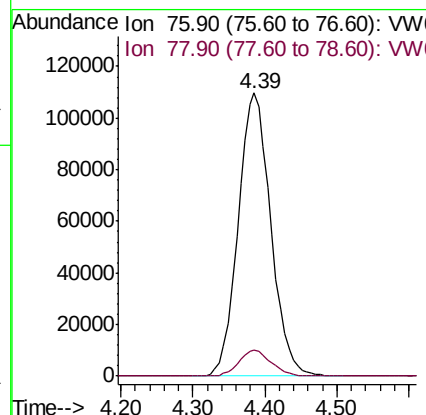
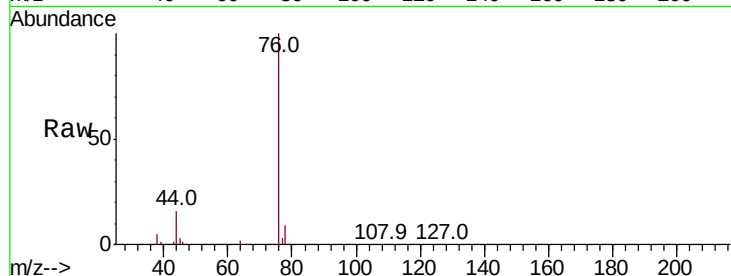
#17
Carbon Disulfide
Concen: 46.564 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

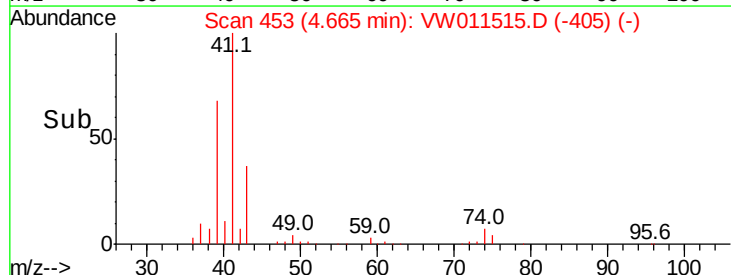
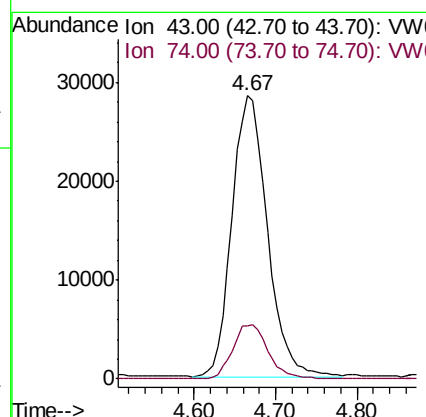
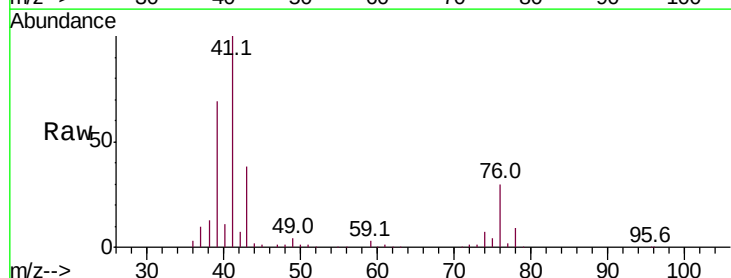
Manual Integrations
APPROVED

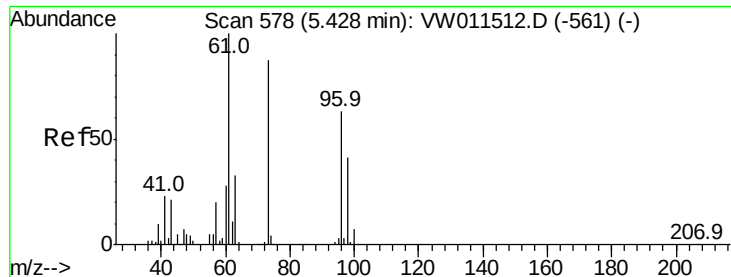
MMDadoda
7/29/2019 9:18:49 AM



#18
Methyl Acetate
Concen: 45.873 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.9	23.9





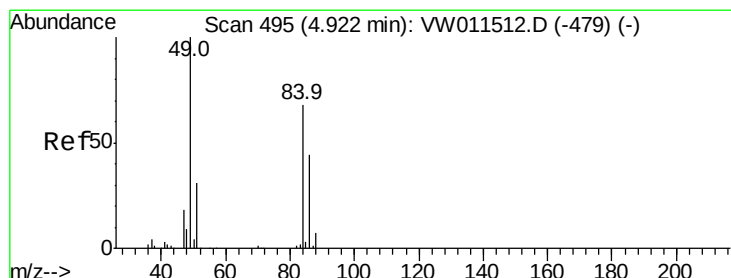
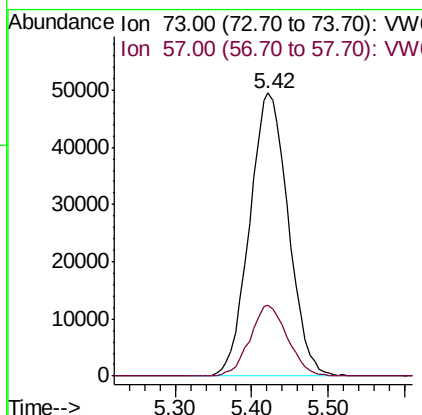
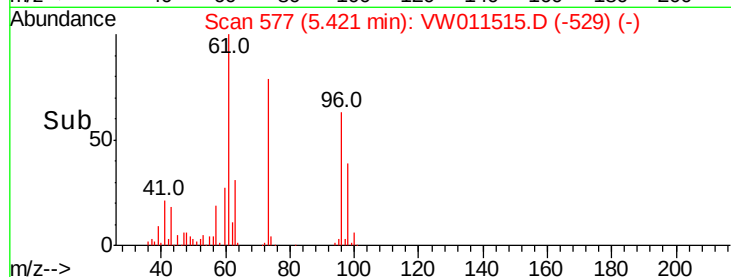
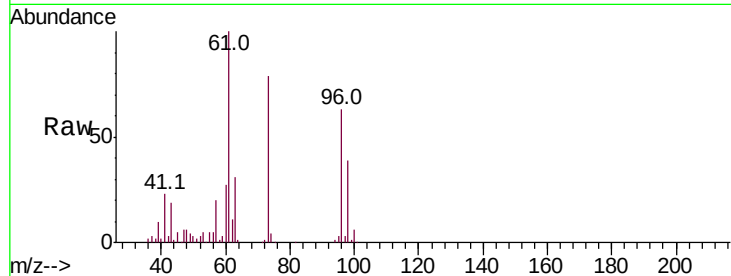
#19
Methyl tert-butyl Ether
Concen: 46.395 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion: 73 Resp: 173744
Ion Ratio Lower Upper
73 100
57 25.2 18.4 27.6

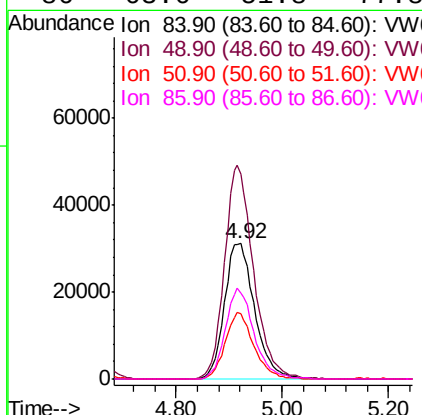
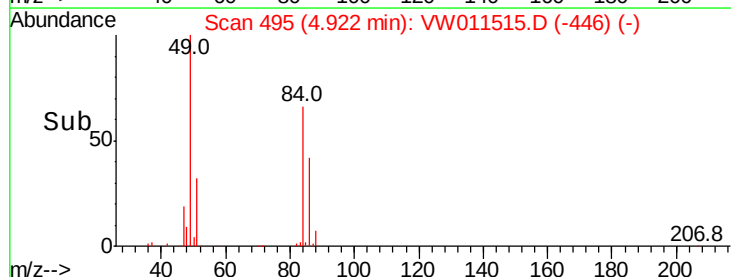
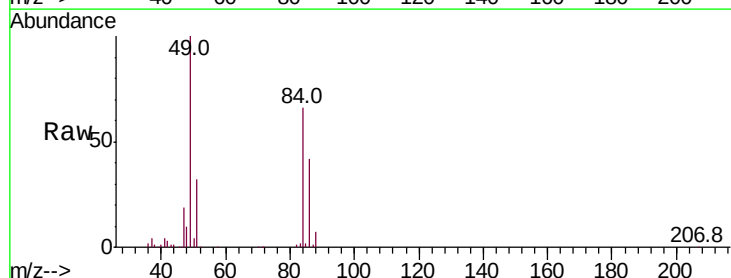
Manual Integrations
APPROVED

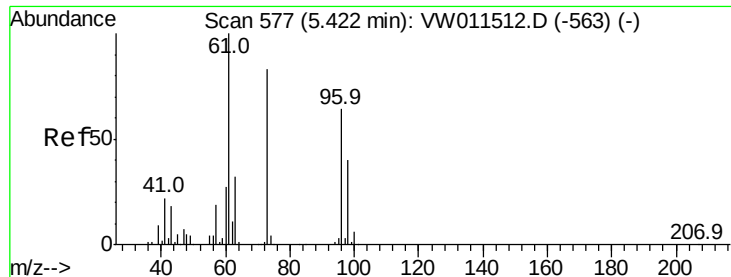
MMDadoda
7/29/2019 9:18:49 AM



#20
Methylene Chloride
Concen: 43.266 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 84 Resp: 123503
Ion Ratio Lower Upper
84 100
49 151.6 117.8 176.6
51 48.0 37.0 55.4
86 63.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 46.240 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 96 Resp: 117647

Ion Ratio Lower Upper

96 100

61 158.2 125.7 188.5

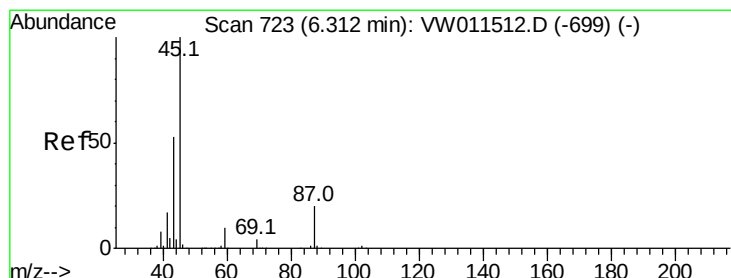
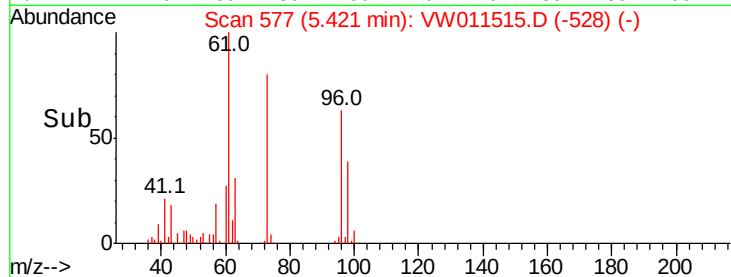
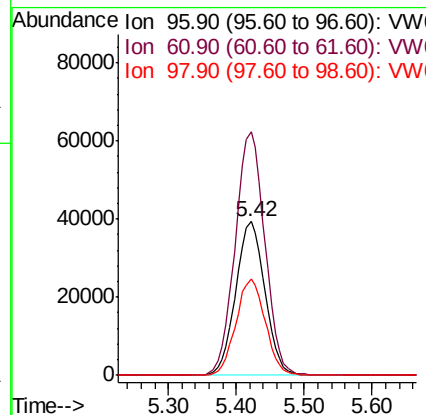
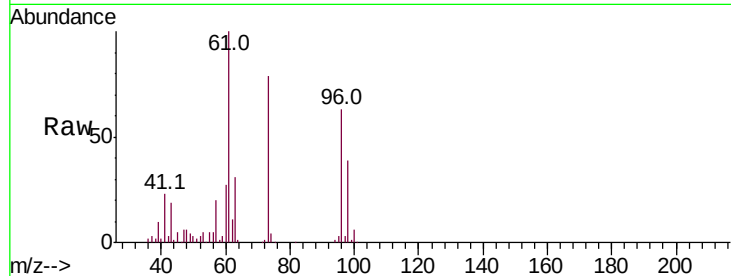
98 62.2 50.3 75.5

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM



#22

Diisopropyl ether

Concen: 45.990 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion: 45 Resp: 435217

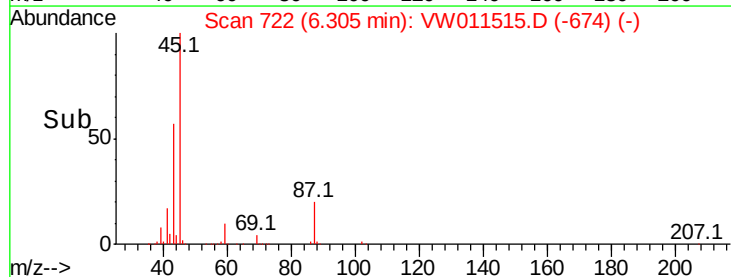
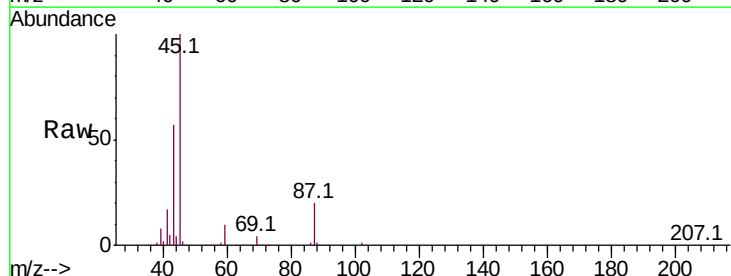
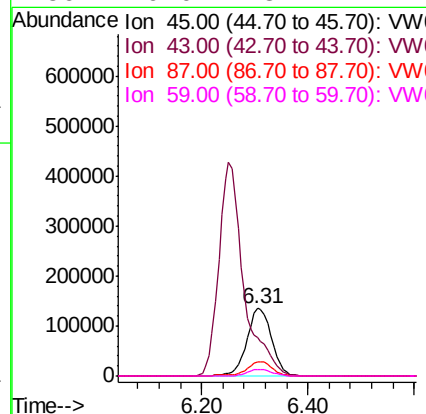
Ion Ratio Lower Upper

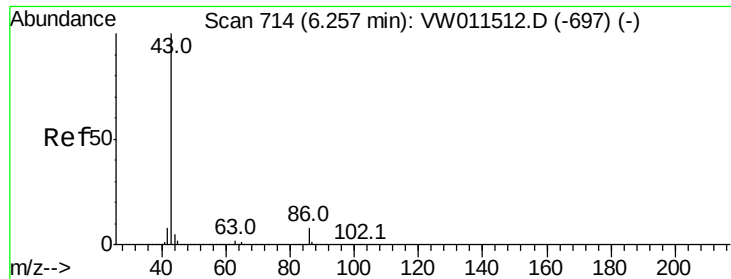
45 100

43 56.6 42.6 63.8

87 20.2 16.4 24.6

59 10.0 8.2 12.2





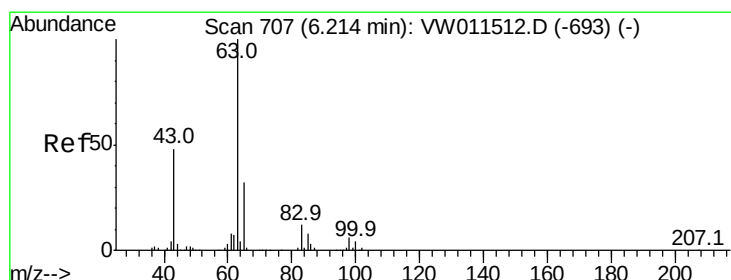
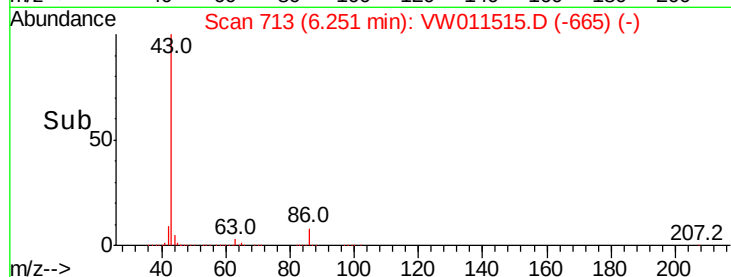
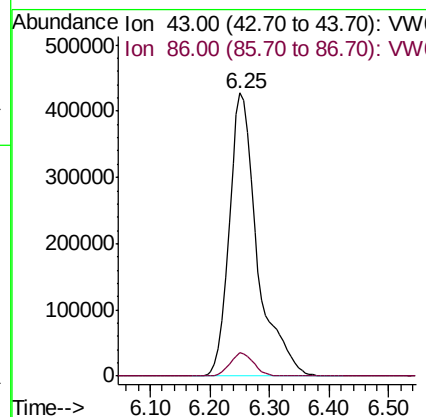
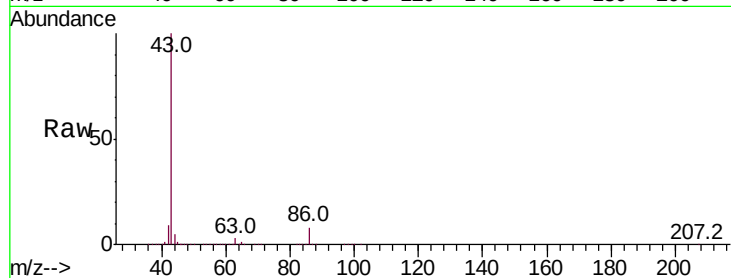
#23
 Vinyl Acetate
 Concen: 234.563 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion: 43 Resp: 1394775
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.5 9.7

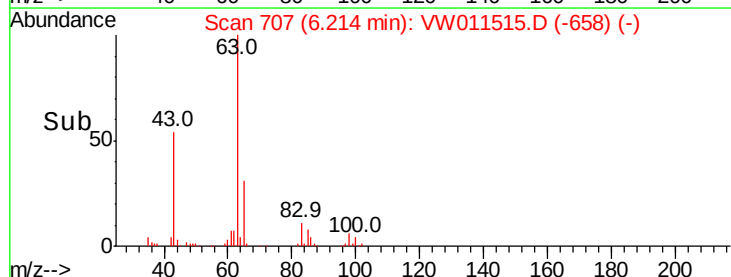
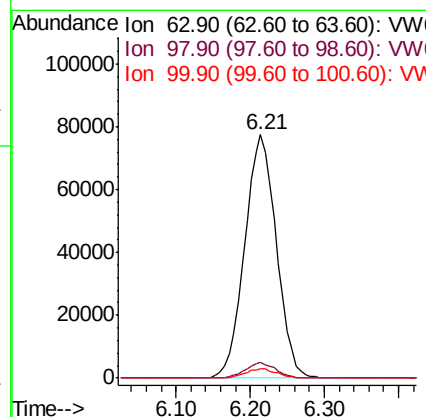
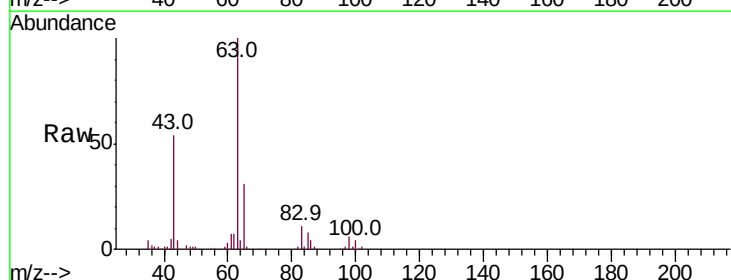
Manual Integrations
 APPROVED

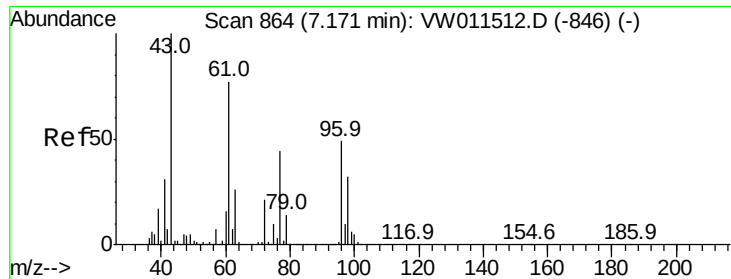
MMDadoda
 7/29/2019 9:18:49 AM



#24
 1,1-Dichloroethane
 Concen: 45.589 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 63 Resp: 231052
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 226.820 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampled :

ICVW072719

Tot Ion: 43 Resp: 245656

Ion Ratio Lower Upper

43 100

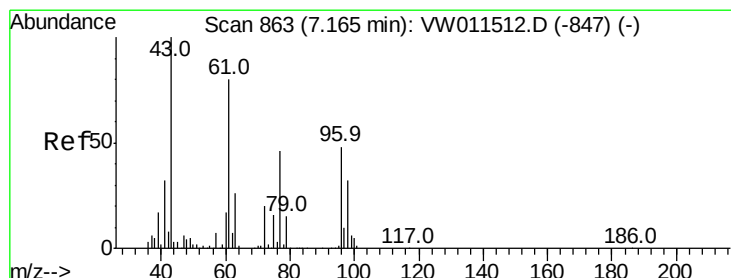
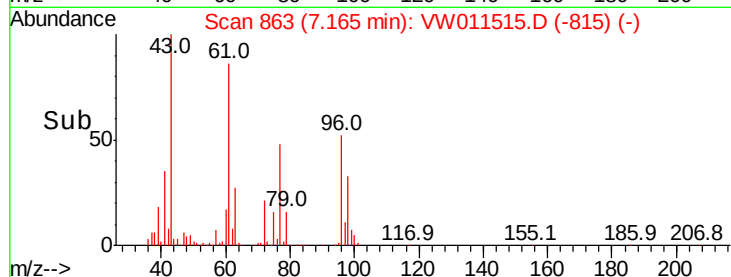
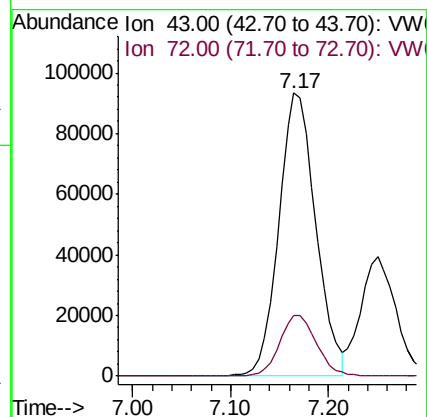
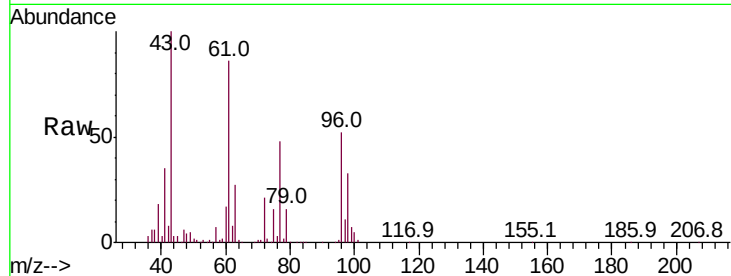
72 21.4 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM



#26

2,2-Dichloropropane

Concen: 42.987 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011515.D

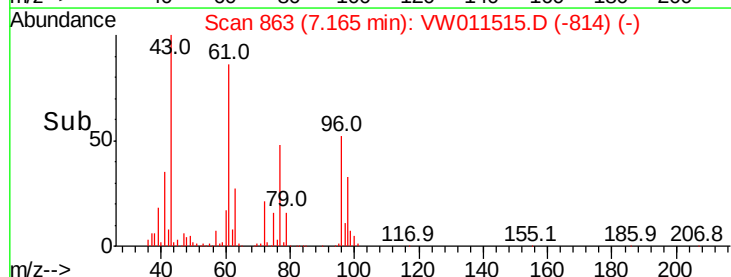
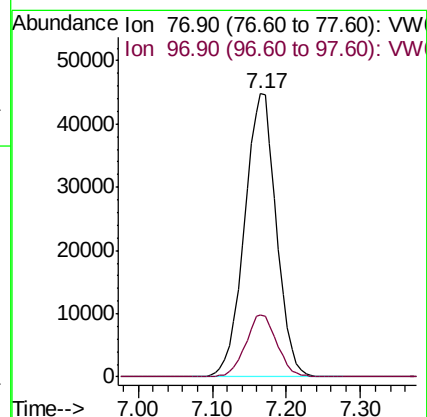
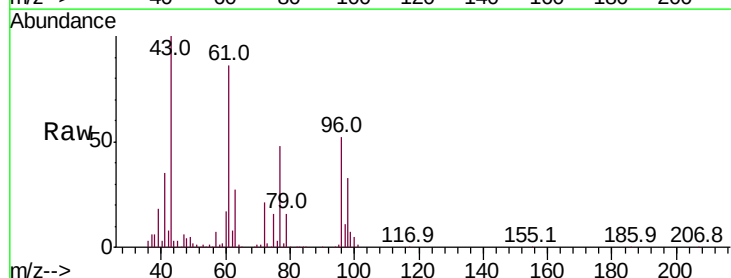
Acq: 26 Jul 2019 14:10

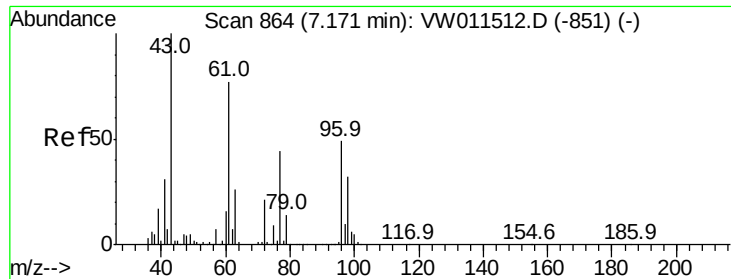
Tgt Ion: 77 Resp: 133985

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.4





#27

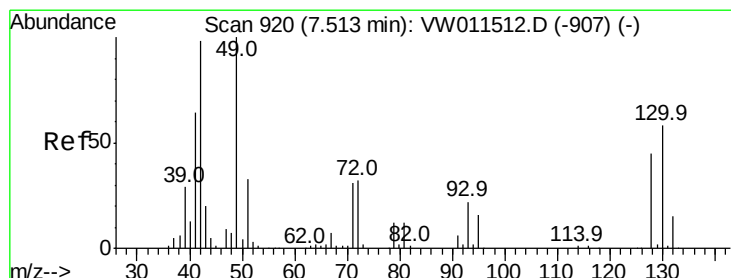
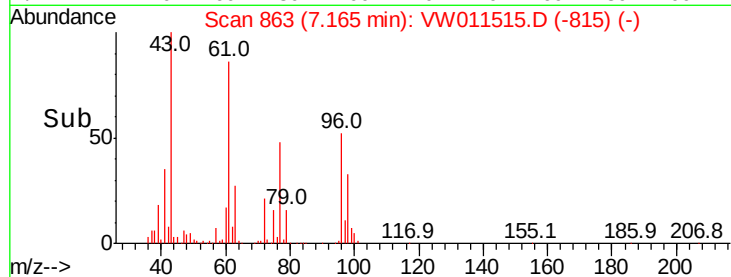
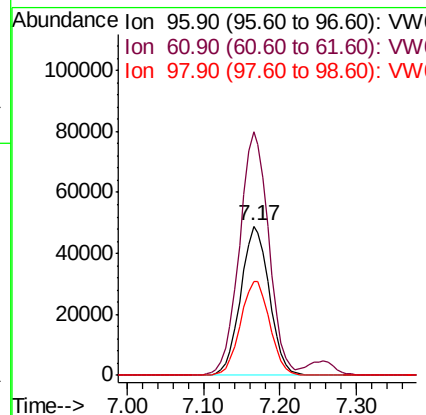
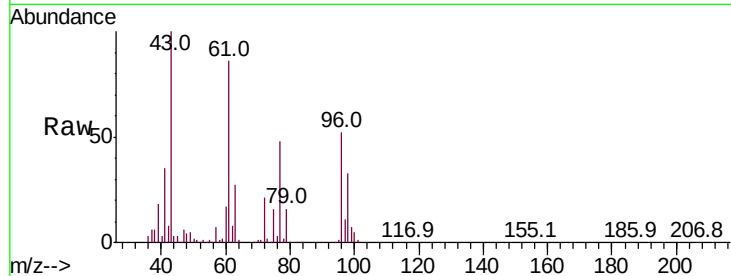
cis-1,2-Dichloroethene
 Concen: 45.296 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	167.0	0.0	328.4	
98	64.3	0.0	128.8	

Manual Integrations
 APPROVED

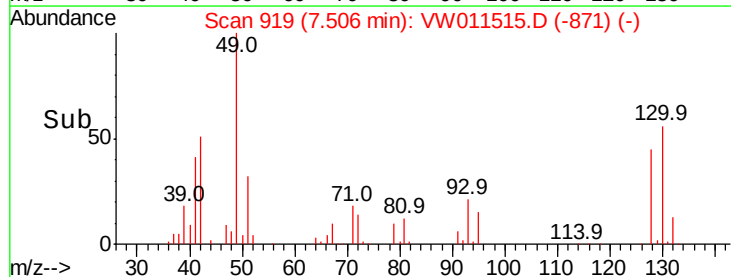
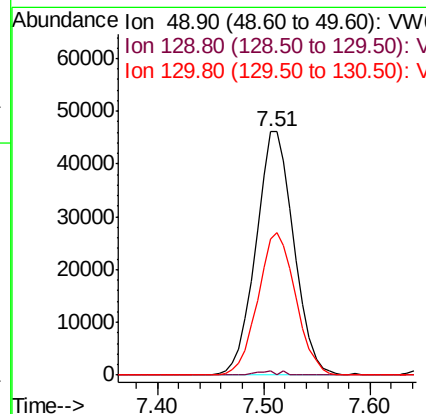
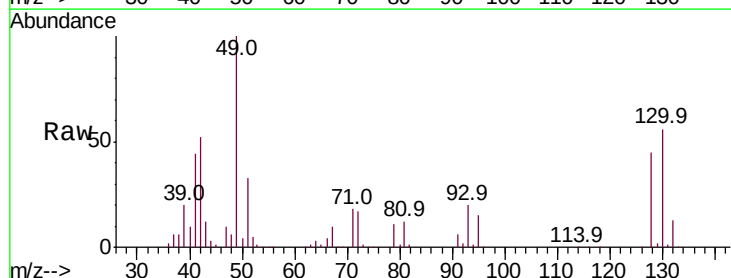
MMDadoda
 7/29/2019 9:18:49 AM

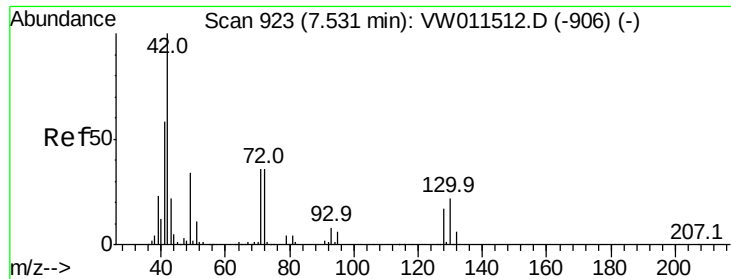


#28

Bromochloromethane
 Concen: 51.185 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	1.0#	
130	58.2	46.3	69.5	





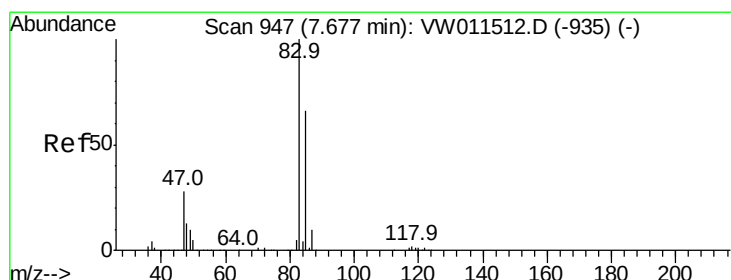
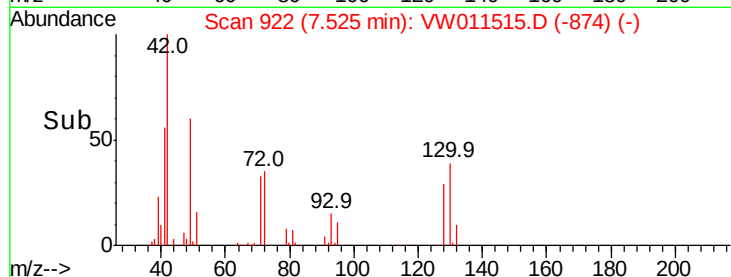
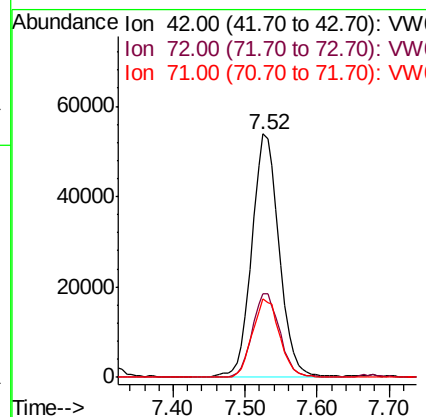
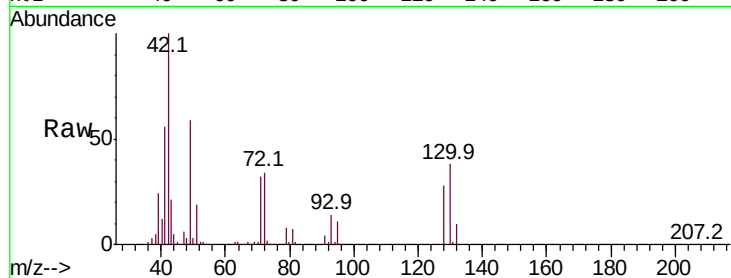
#29
Tetrahydrofuran
Concen: 228.847 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Resp	Lower	Upper
42	100	141674		
72	34.6		27.1	40.7
71	32.4		26.2	39.4

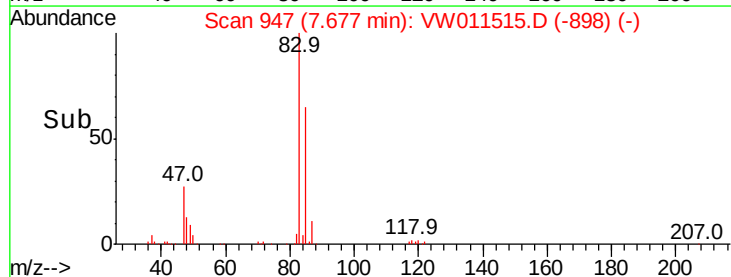
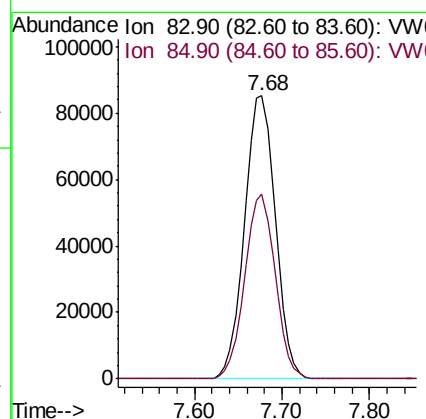
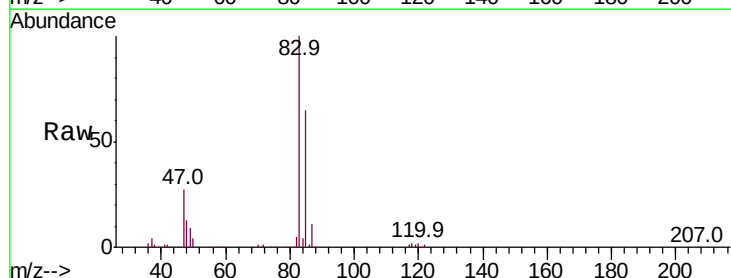
Manual Integrations
APPROVED

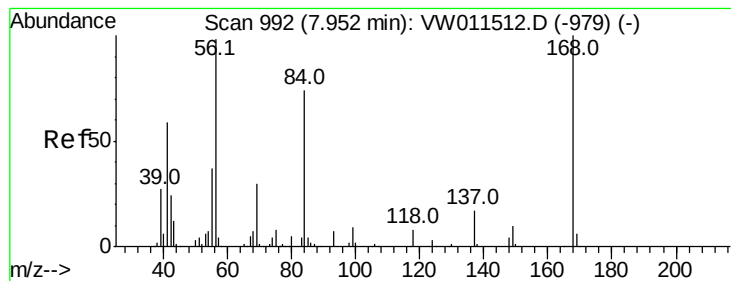
MMDadoda
7/29/2019 9:18:49 AM



#30
Chloroform
Concen: 44.833 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	209628		
85	65.3		52.5	78.7





#31

Cyclohexane

Concen: 44.879 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 56 Resp: 218338

Ion Ratio Lower Upper

56 100

69 31.4 24.3 36.5

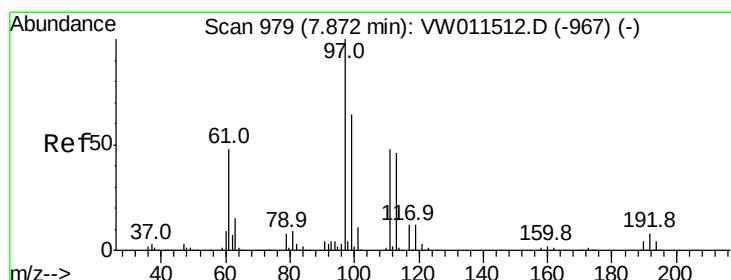
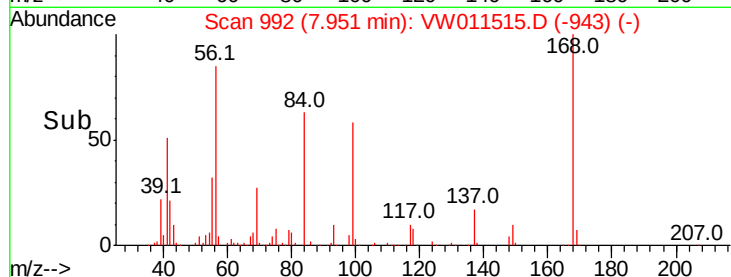
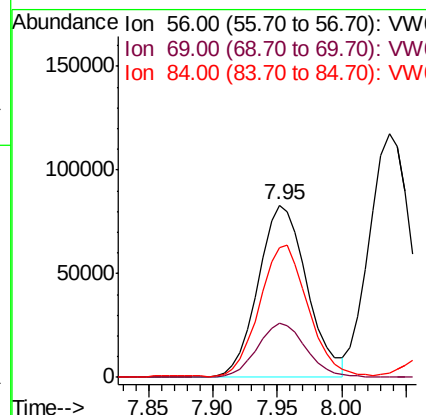
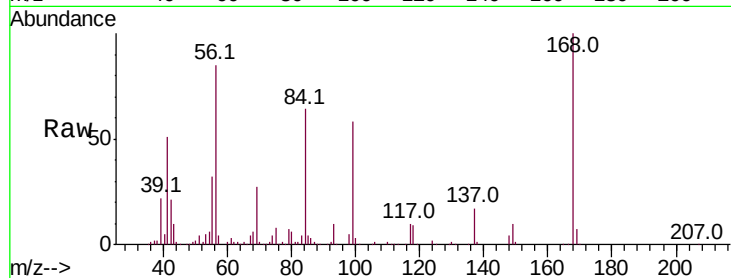
84 74.8 60.4 90.6

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM



#32

1,1,1-Trichloroethane

Concen: 46.105 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

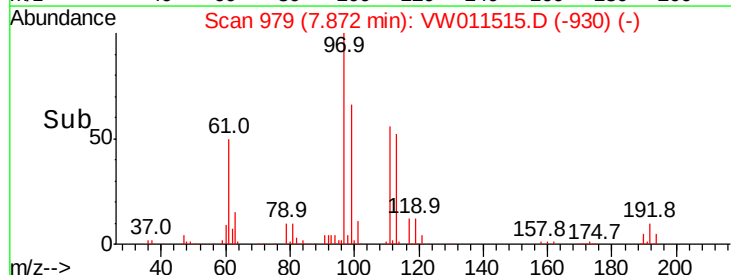
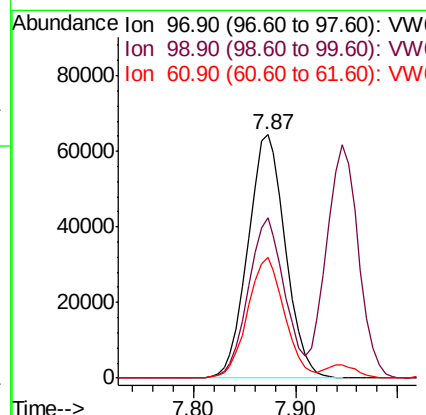
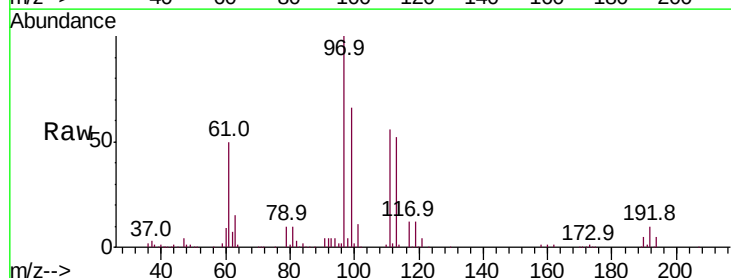
Tgt Ion: 97 Resp: 164174

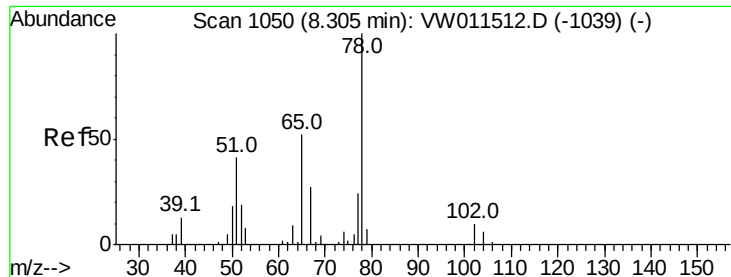
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 49.0 39.8 59.6





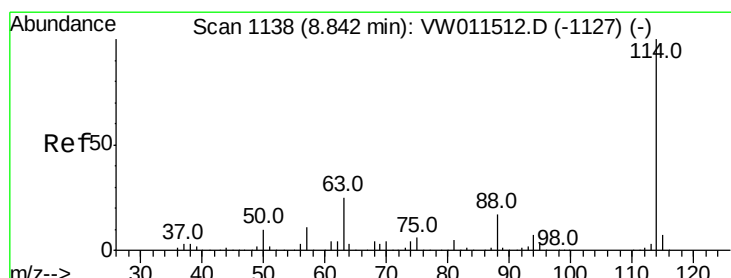
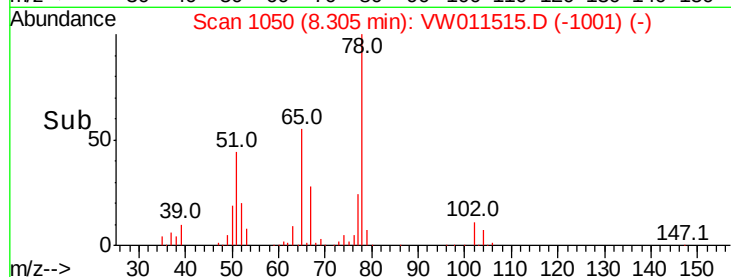
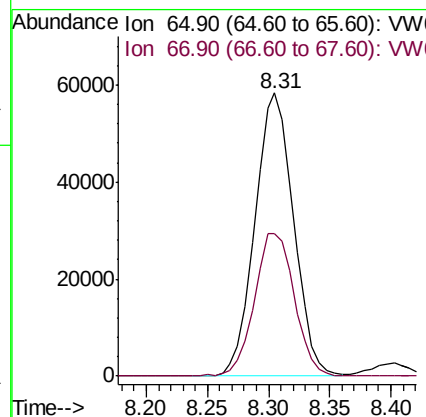
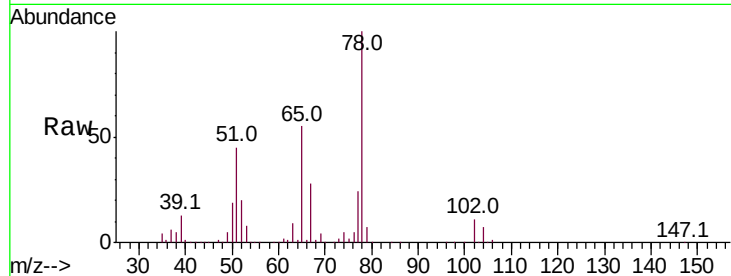
#33
 1,2-Dichloroethane-d4
 Concen: 49.222 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	105.2	

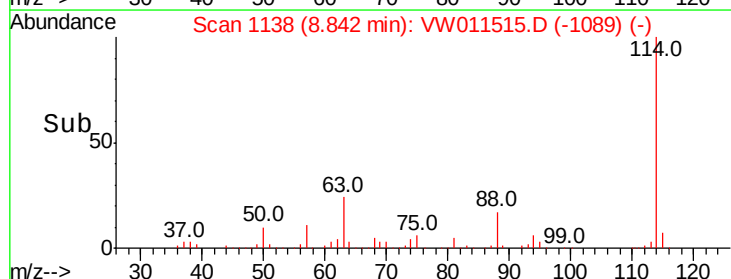
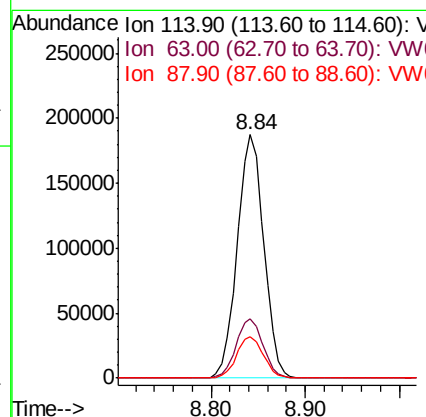
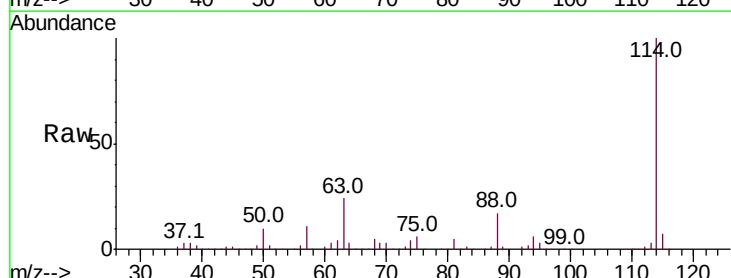
Manual Integrations
 APPROVED

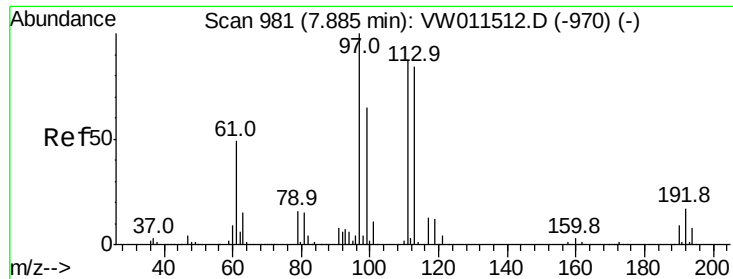
MMDadoda
 7/29/2019 9:18:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.3	0.0	49.2	
88	16.8	0.0	33.8	





#35

Dibromofluoromethane

Concen: 50.858 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

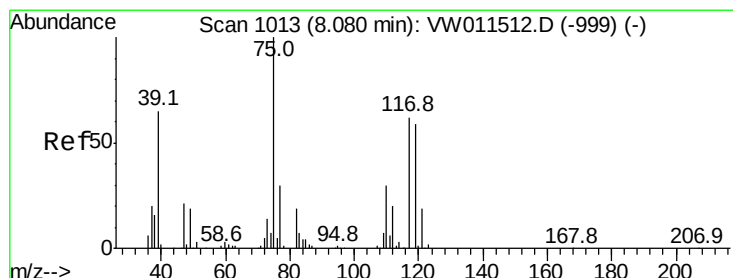
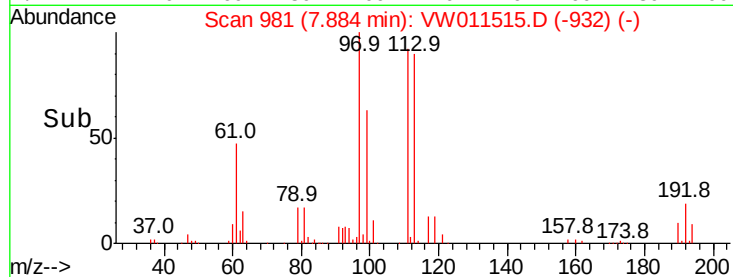
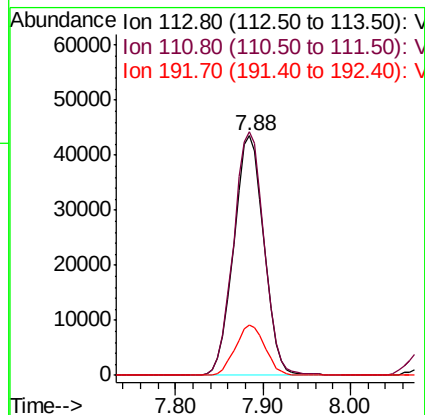
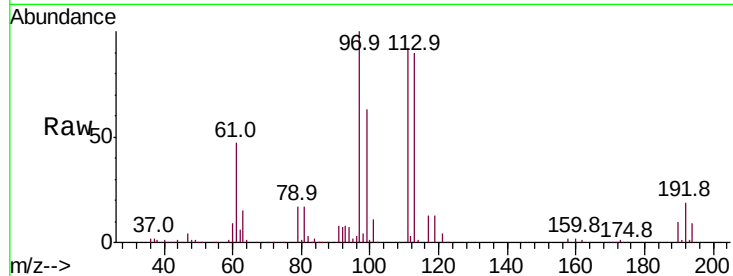
ClientSampleId :

ICVW072719

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.7	124.1
192	20.5	16.1	24.1

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM



#36

1,1-Dichloropropene

Concen: 46.077 ug/l

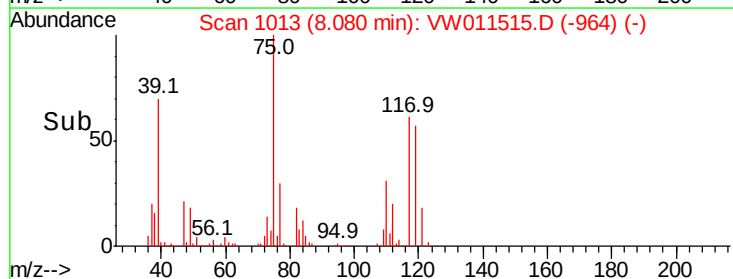
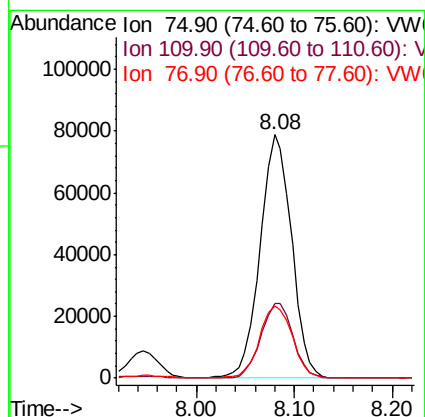
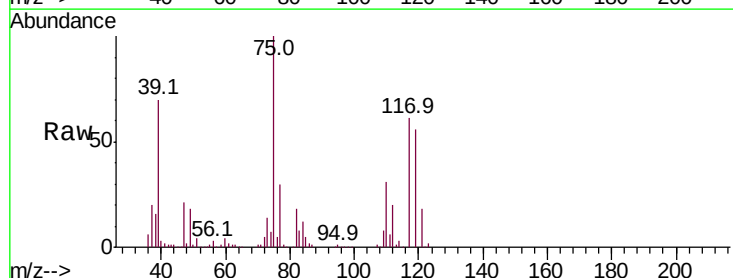
RT: 8.08 min Scan# 1013

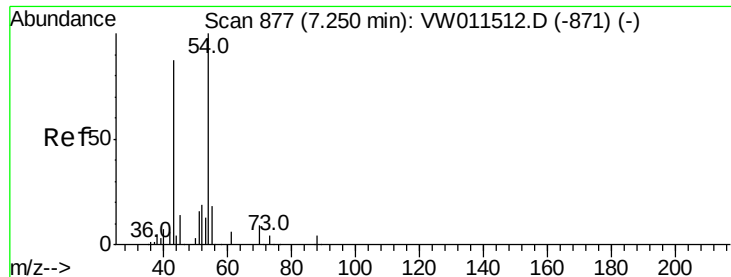
Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.6	46.8
77	31.1	24.3	36.5





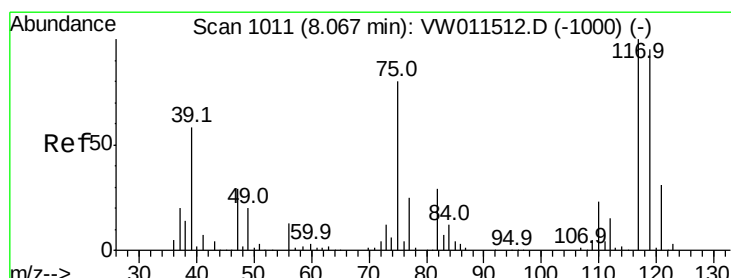
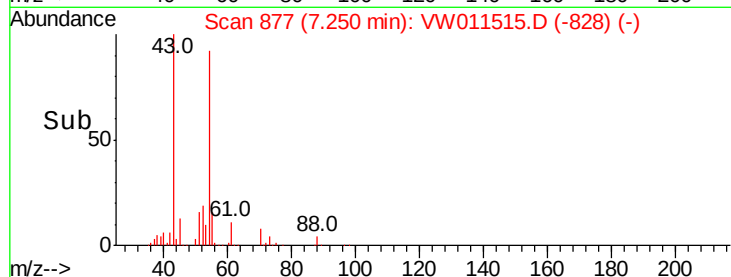
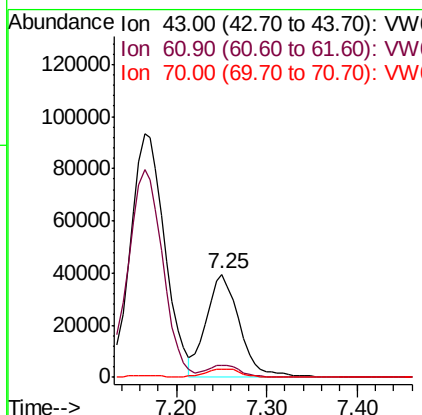
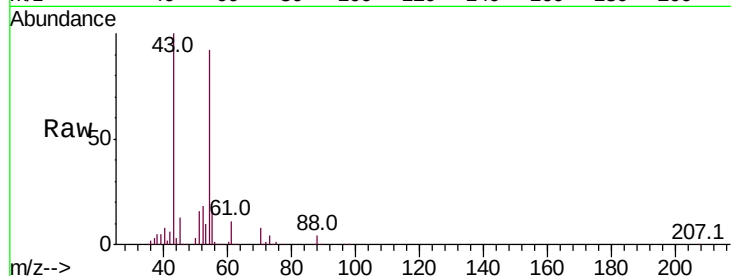
#37
Ethyl Acetate
Concen: 45.919 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	8.8	13.2
70	8.8	7.1	10.7

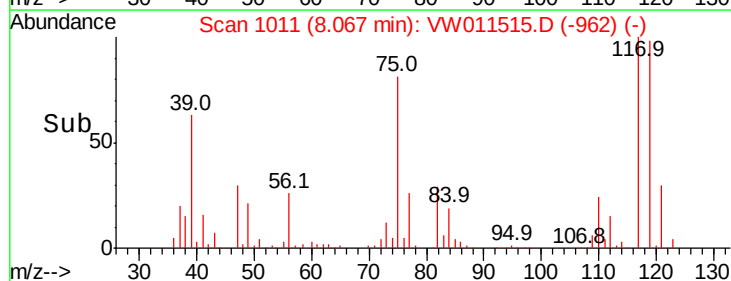
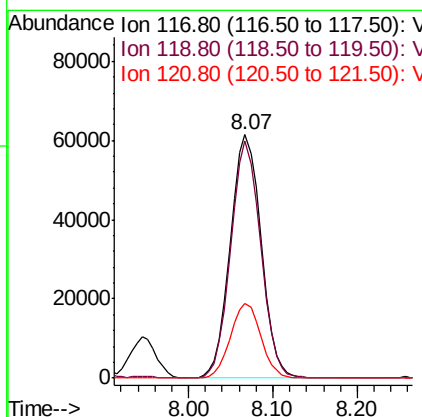
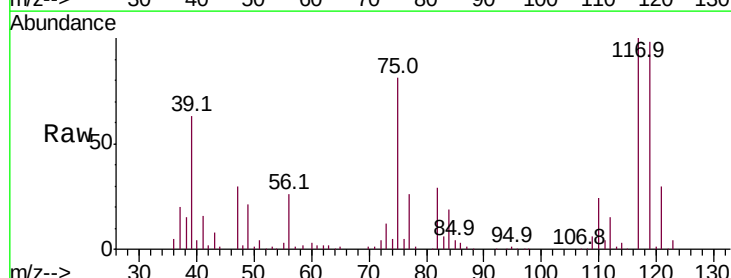
Manual Integrations
APPROVED

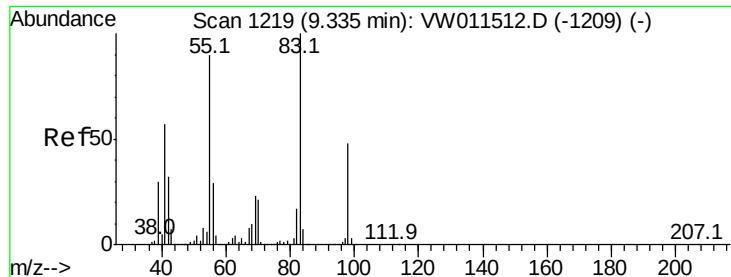
MMDadoda
7/29/2019 9:18:49 AM



#38
Carbon Tetrachloride
Concen: 46.579 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.8	113.6
121	30.5	24.7	37.1





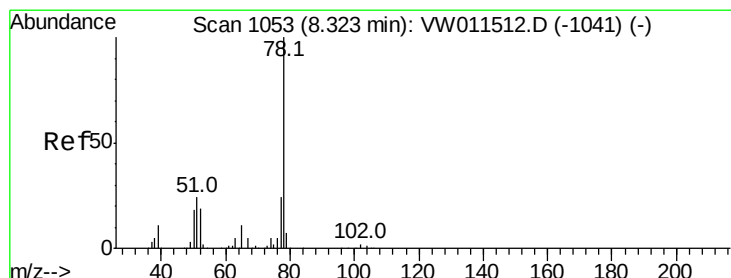
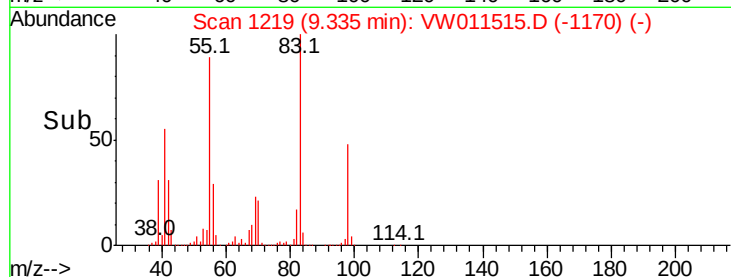
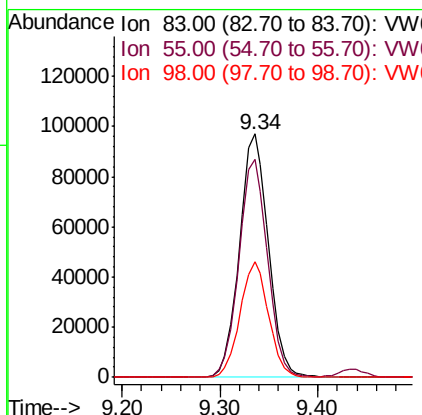
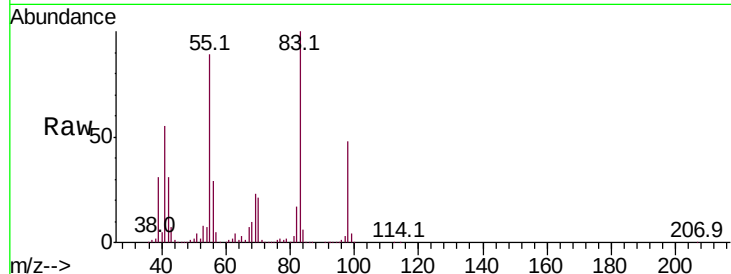
#39
Methylvlcyclohexane
Concen: 47.476 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.3	72.1	108.1
98	47.7	38.6	57.8

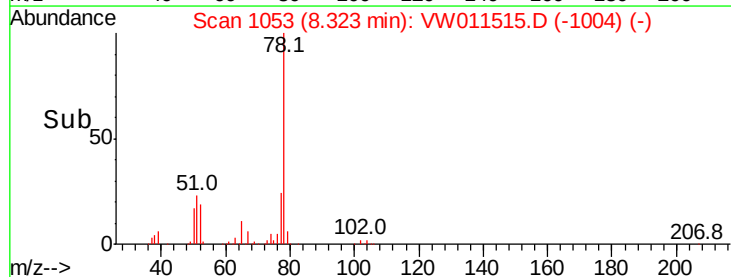
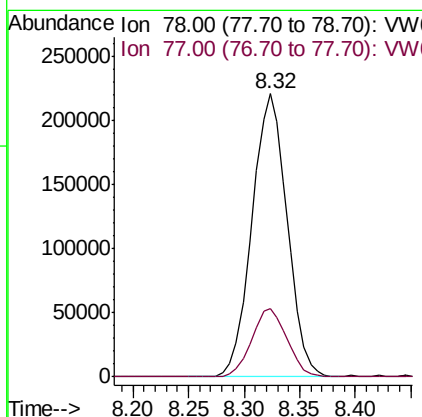
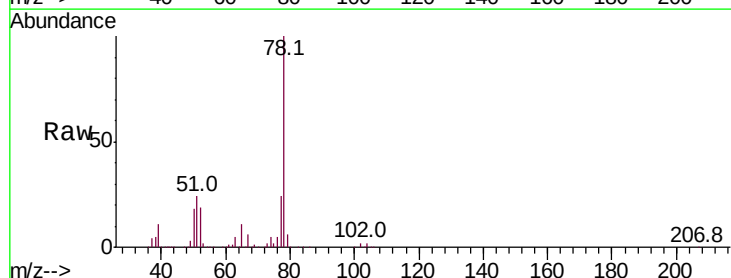
Manual Integrations
APPROVED

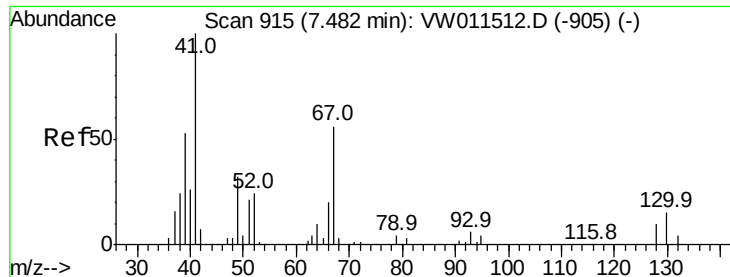
MMDadoda
7/29/2019 9:18:49 AM



#40
Benzene
Concen: 45.528 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





#41

Methacrylonitrile

Concen: 45.598 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 41 Resp: 59718

Ion Ratio Lower Upper

41 100

39 59.6 43.0 64.4

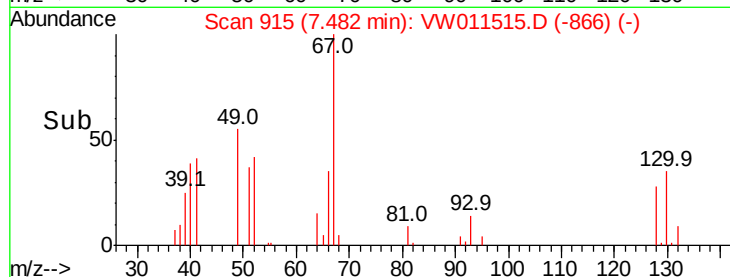
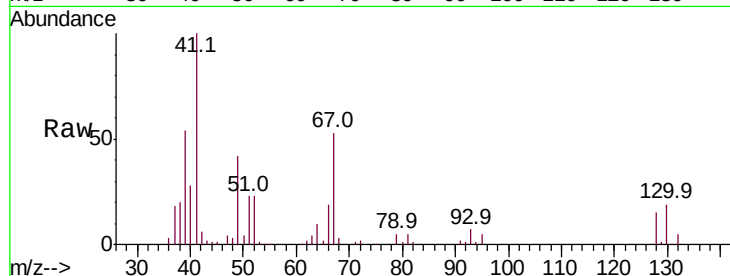
67 56.6 47.5 71.3

52 26.1 21.0 31.6

Manual Integrations
APPROVED

MMDadoda

7/29/2019 9:18:49 AM

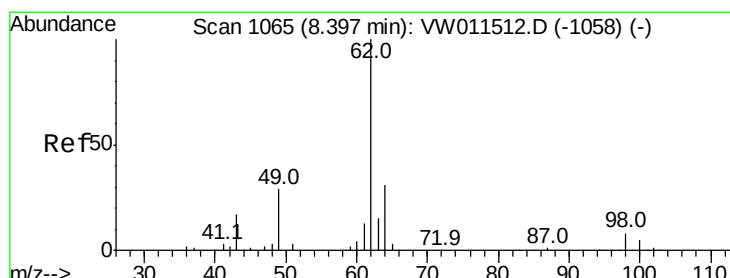
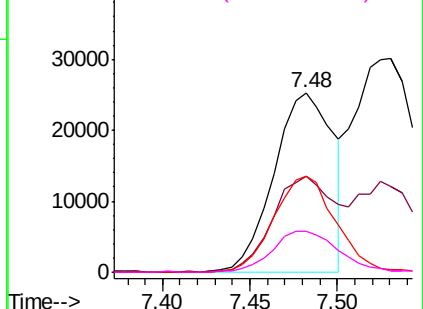


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 45.812 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011515.D

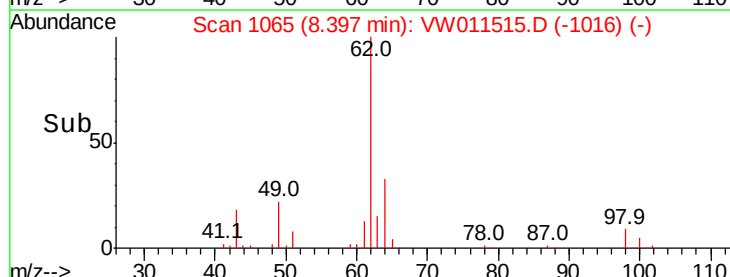
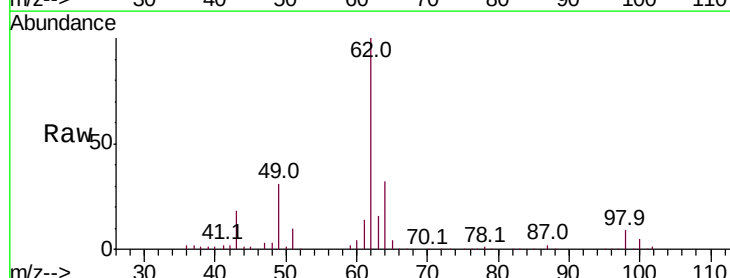
Acq: 26 Jul 2019 14:10

Tgt Ion: 62 Resp: 152991

Ion Ratio Lower Upper

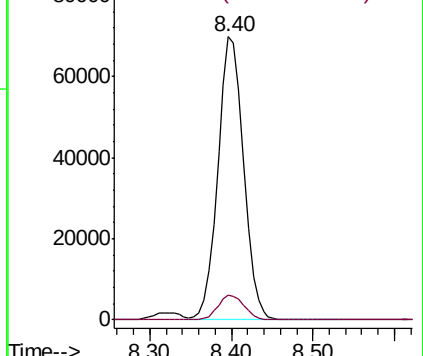
62 100

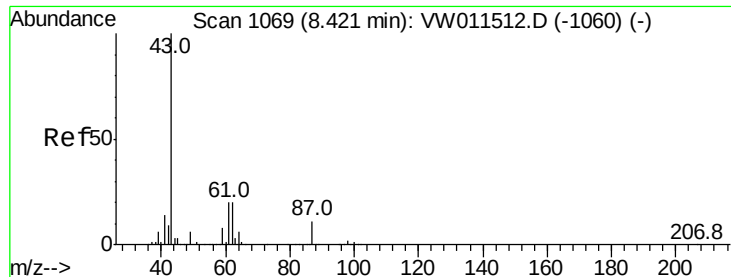
98 8.9 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 46.464 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

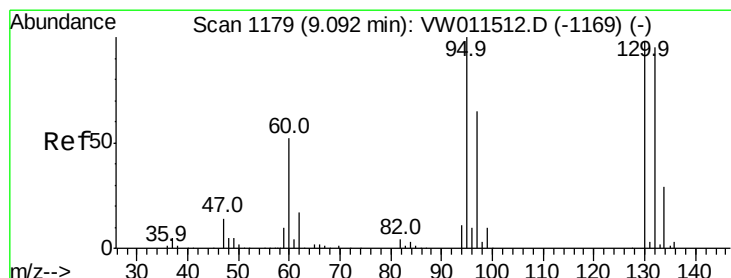
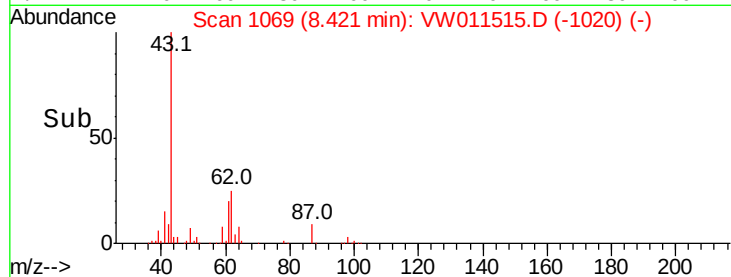
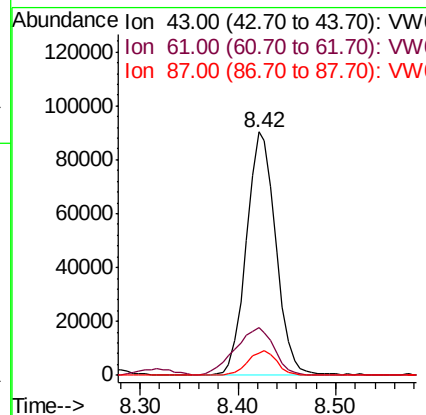
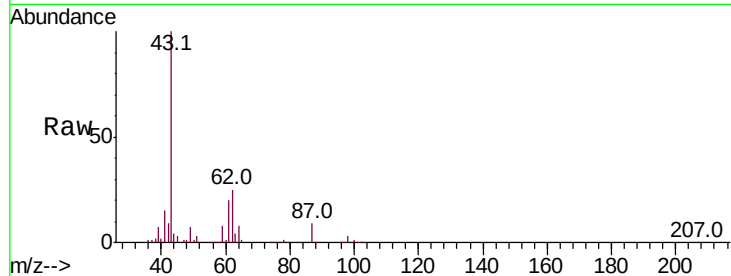
ClientSampleId :

ICVW072719

Tot Ion:	43	Resp:	187215
Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.5	32.3
87	10.2	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM



#44

Trichloroethene

Concen: 46.639 ug/l

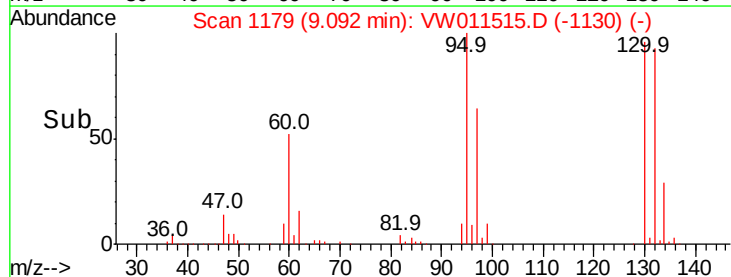
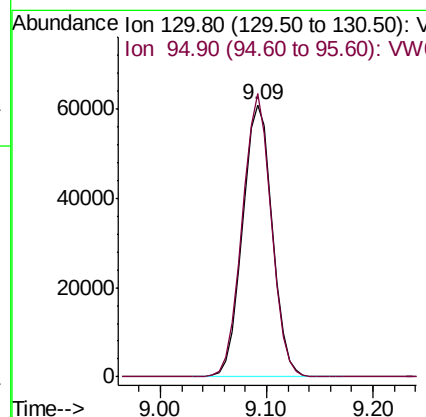
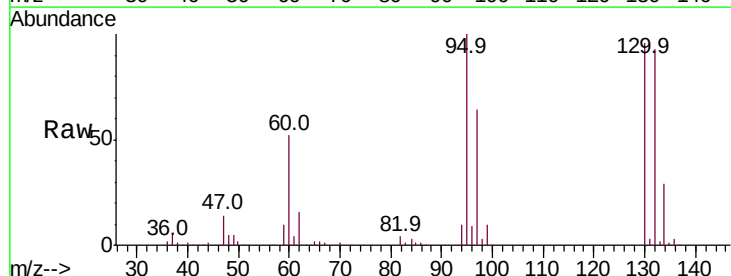
RT: 9.09 min Scan# 1179

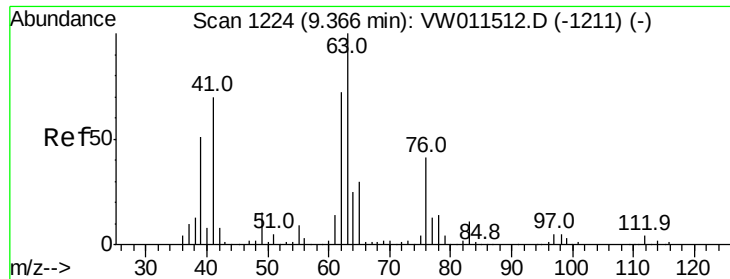
Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion:	130	Resp:	119569
Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	204.8





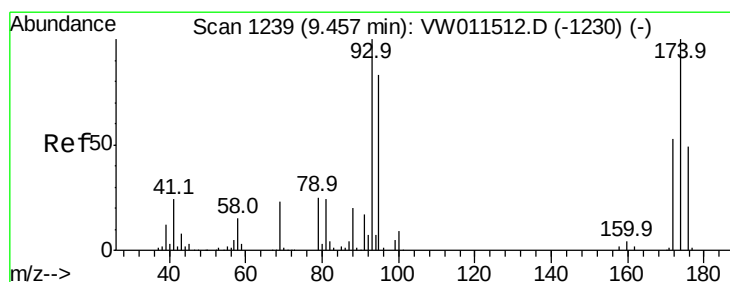
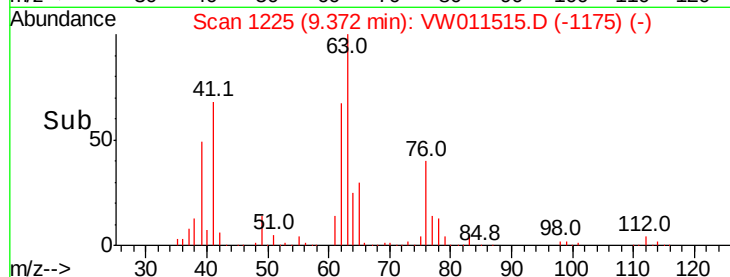
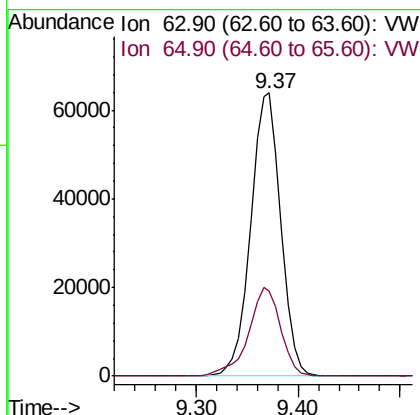
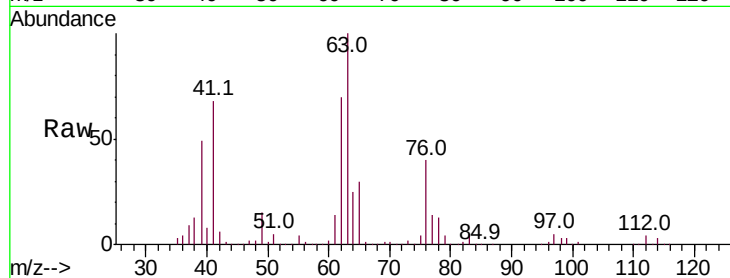
#45
 1,2-Dichloropropane
 Concen: 46.020 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.2	36.4

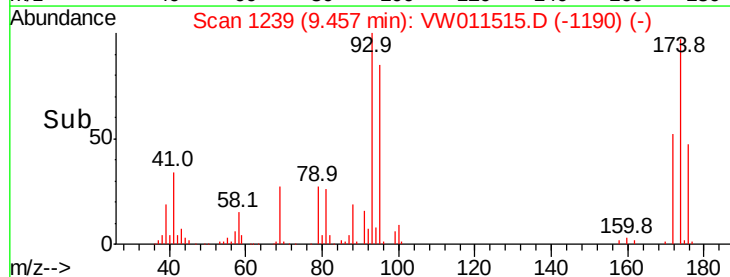
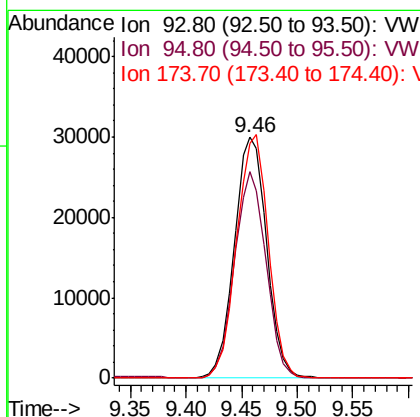
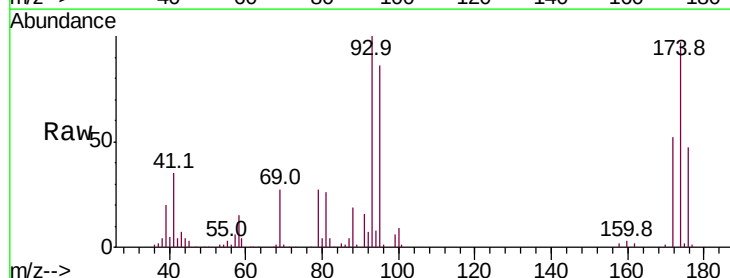
Manual Integrations
 APPROVED

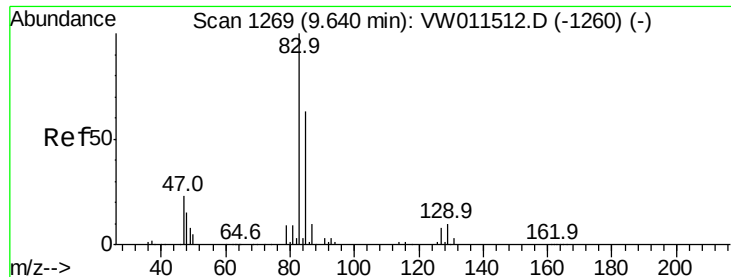
MMDadoda
 7/29/2019 9:18:49 AM



#46
 Dibromomethane
 Concen: 46.045 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.0	66.2	99.2
174	99.5	78.2	117.4





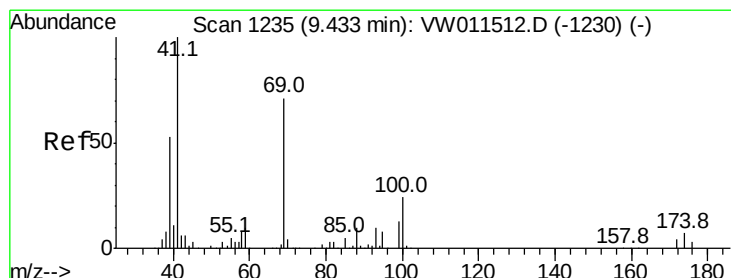
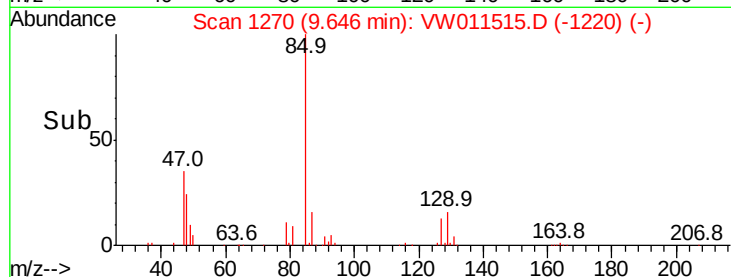
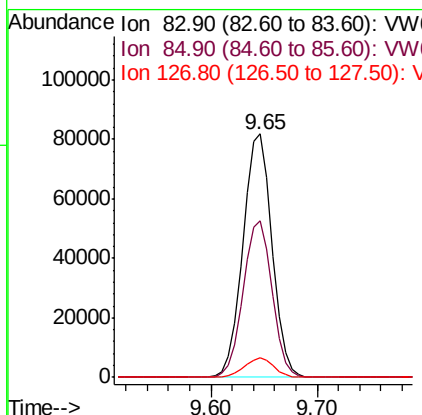
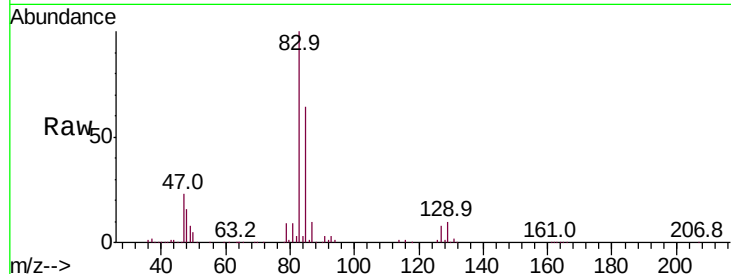
#47
 Bromodichloromethane
 Concen: 45.913 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Resp	Lower	Upper
83	100	156885		
85	64.2	50.5	75.7	
127	8.2	6.4	9.6	

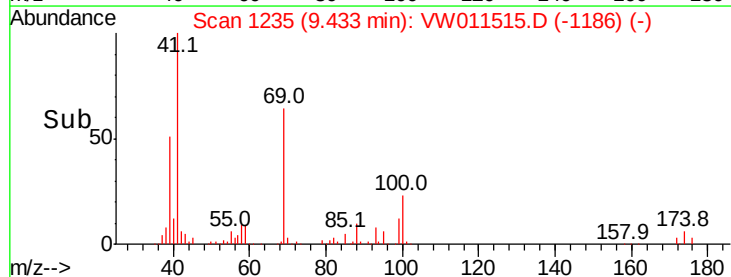
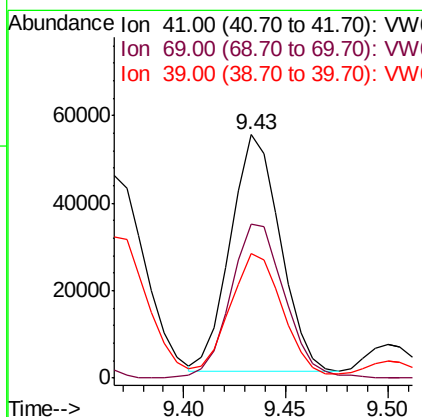
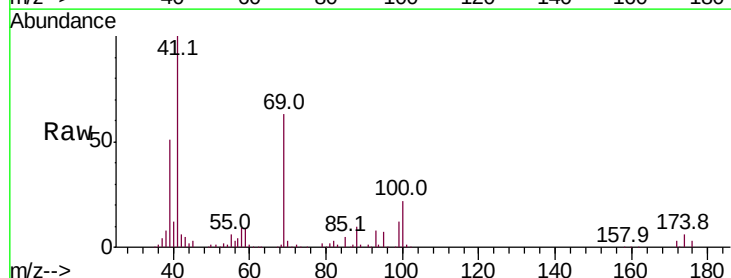
Manual Integrations
 APPROVED

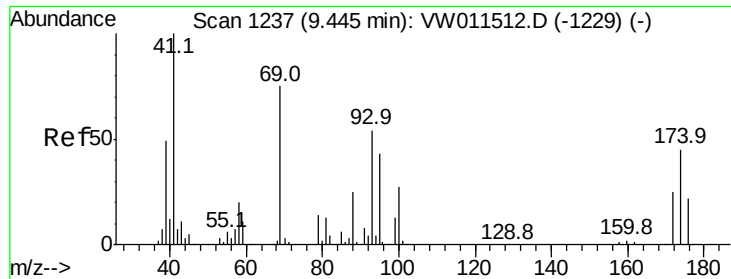
MMDadoda
 7/29/2019 9:18:49 AM



#48
 Methyl methacrylate
 Concen: 47.377 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	91697		
69	70.6	57.1	85.7	
39	56.7	45.4	68.2	





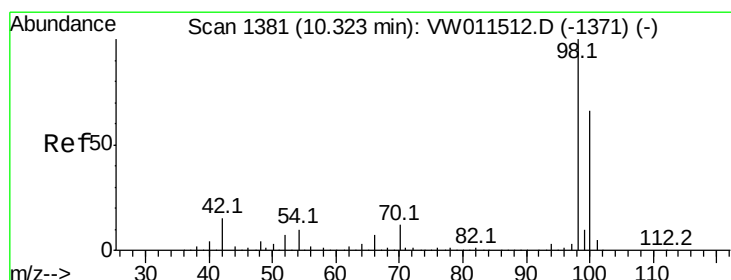
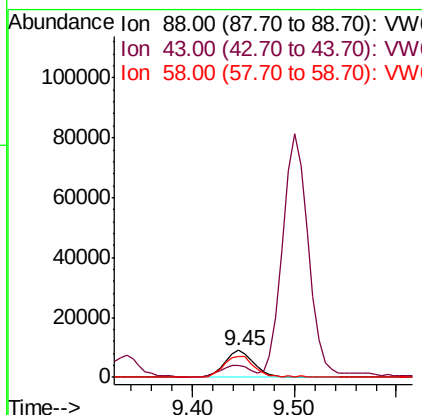
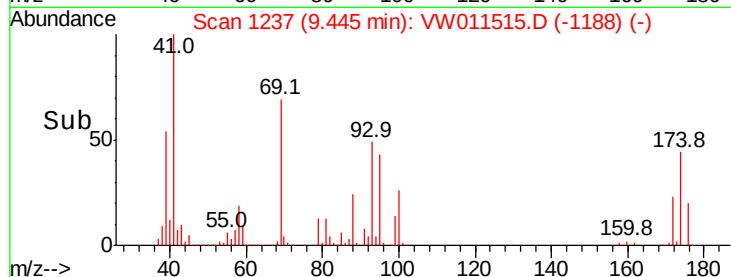
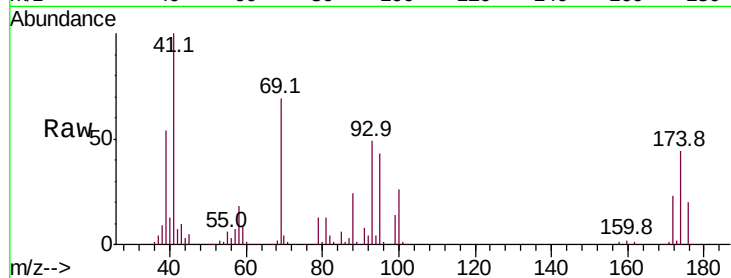
#49
1,4-Dioxane
Concen: 941.186 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion: 88 Resp: 17752
Ion Ratio Lower Upper
88 100
43 43.4 34.0 51.0
58 83.5 69.7 104.5

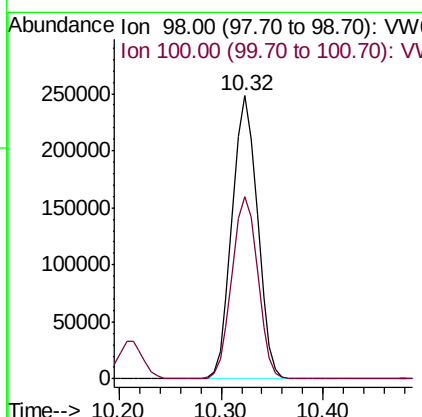
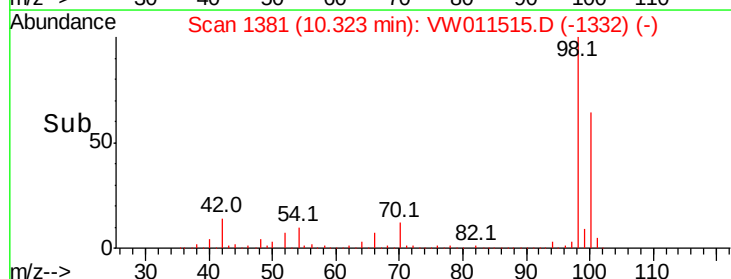
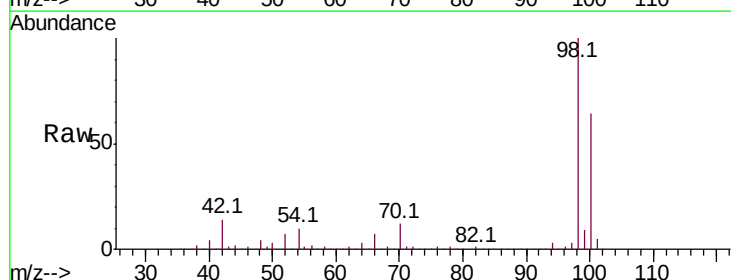
Manual Integrations
APPROVED

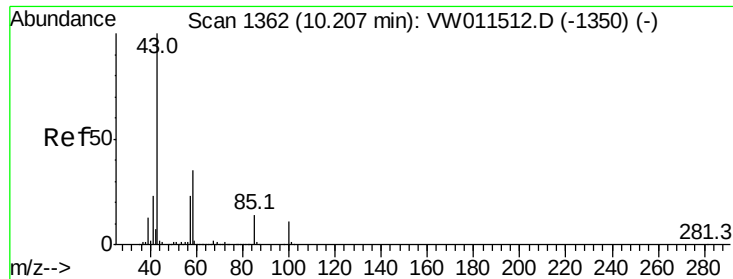
MMDadoda
7/29/2019 9:18:49 AM



#50
Toluene-d8
Concen: 50.901 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 98 Resp: 428181
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 232.659 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 43 Resp: 487604

Ion Ratio Lower Upper

43 100

58 35.1

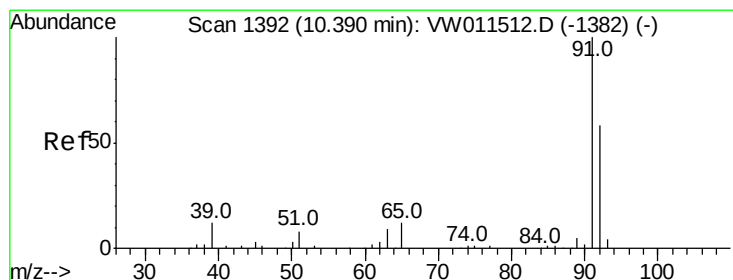
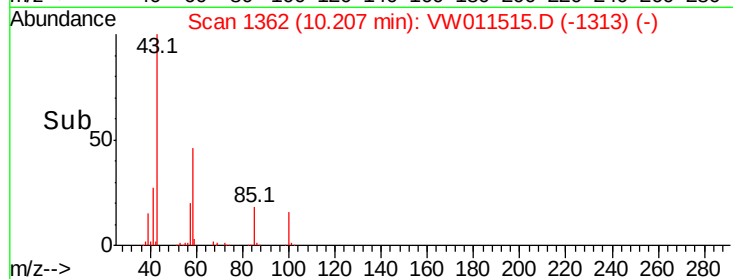
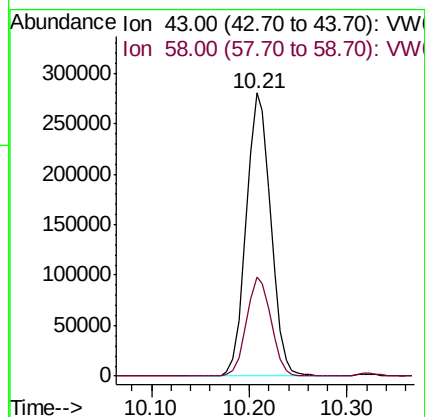
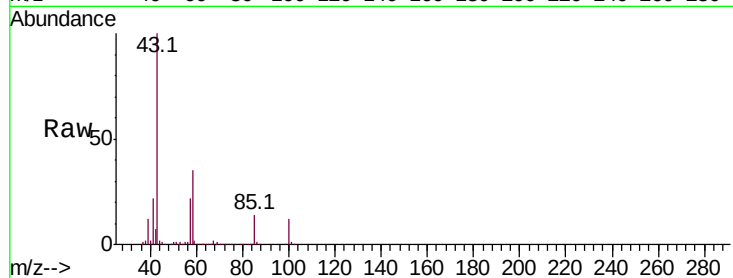
28.2

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM



#52

Toluene

Concen: 46.613 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion: 92 Resp: 300263

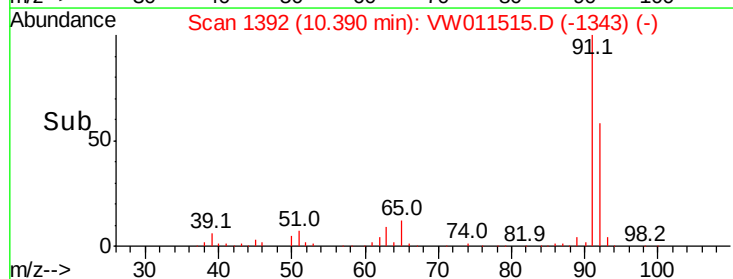
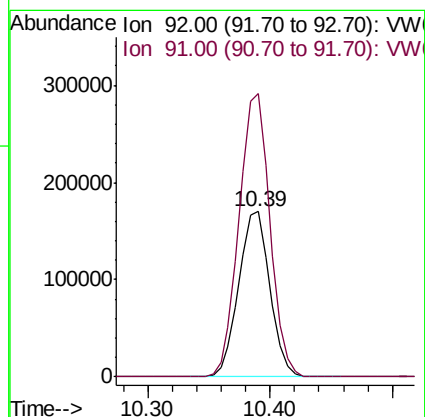
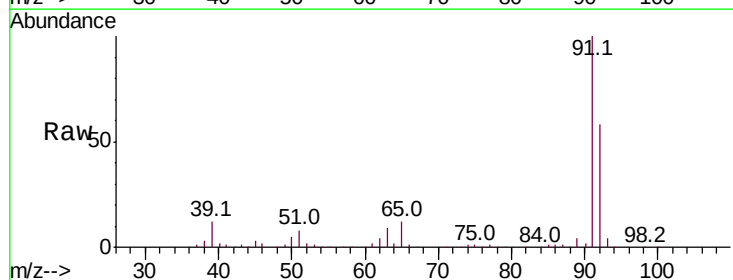
Ion Ratio Lower Upper

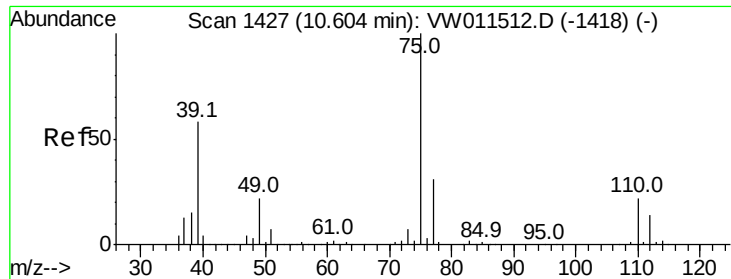
92 100

91 170.4

136.7

205.1





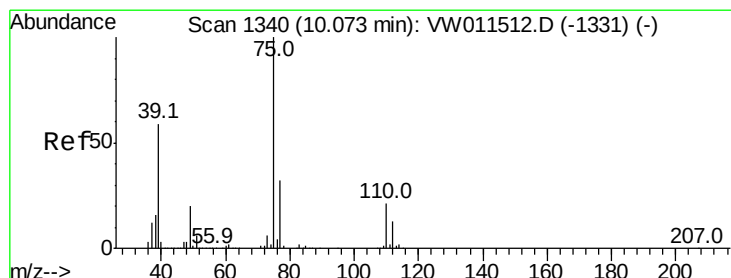
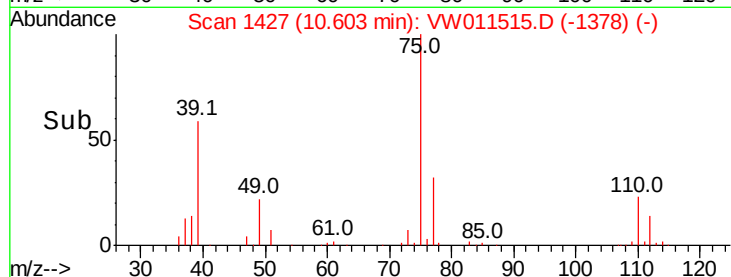
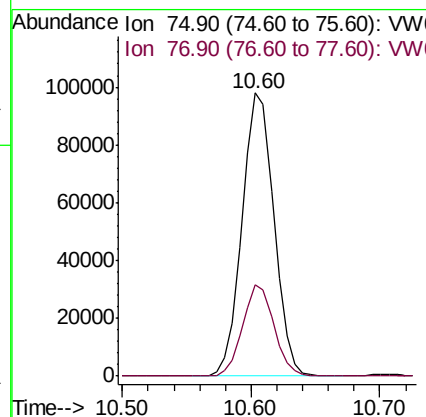
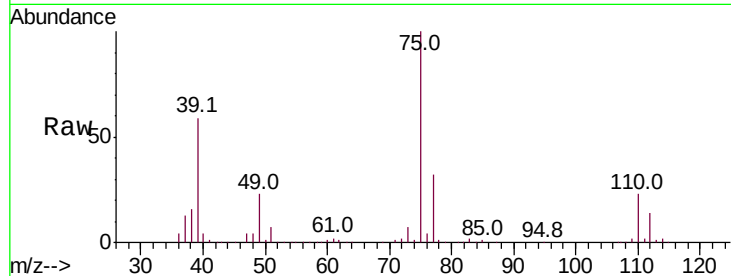
#53
 t-1,3-Dichloropropene
 Concen: 46.930 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion: 75 Resp: 167512
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.0 37.4

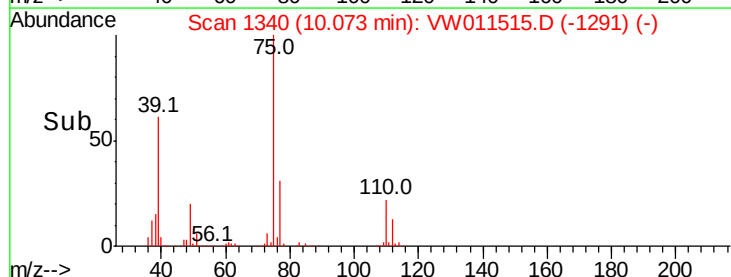
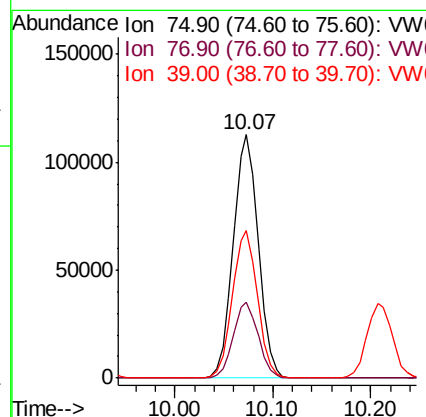
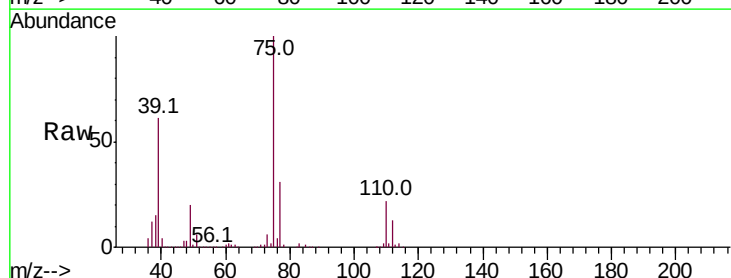
Manual Integrations
 APPROVED

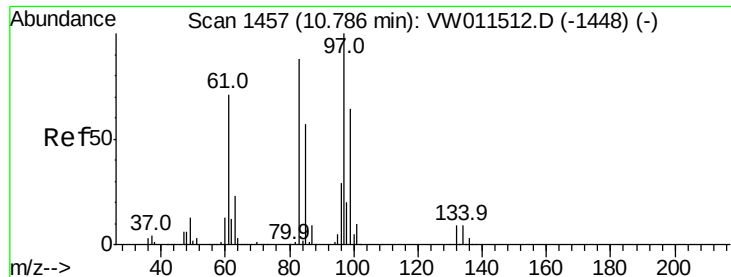
MMDadoda
 7/29/2019 9:18:49 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.012 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion: 75 Resp: 199520
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.6 38.4
 39 60.8 47.0 70.4





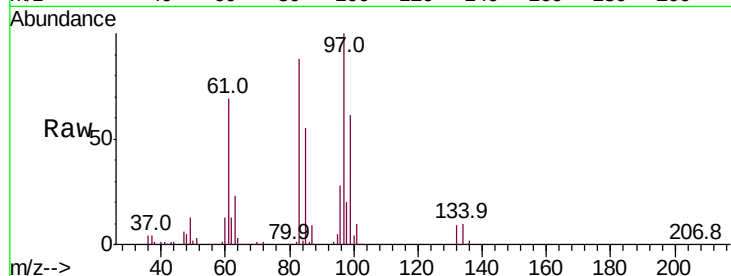
#55
 1,1,2-Trichloroethane
 Concen: 46.105 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

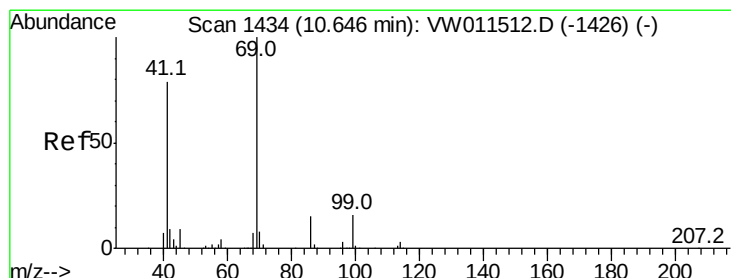
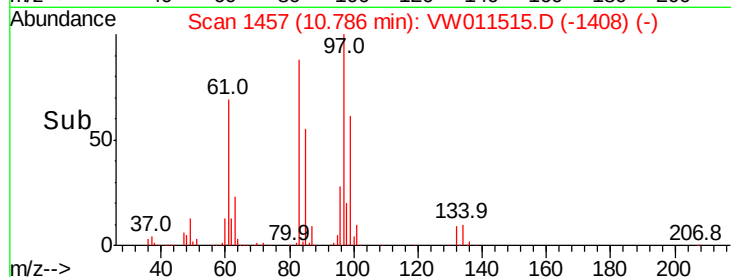
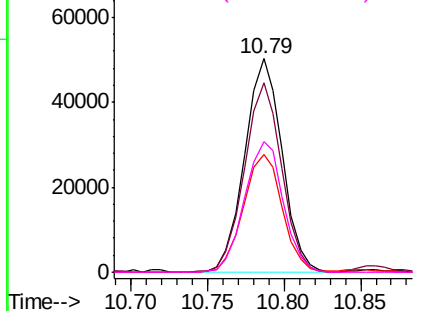
Tot Ion	97	Resp	85213
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.5	105.7
85	54.9	45.8	68.6
99	61.2	51.0	76.4

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:18:49 AM

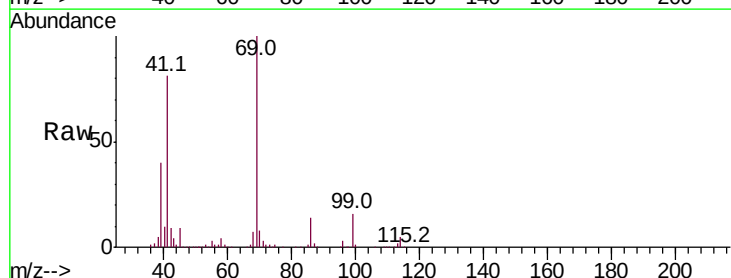


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

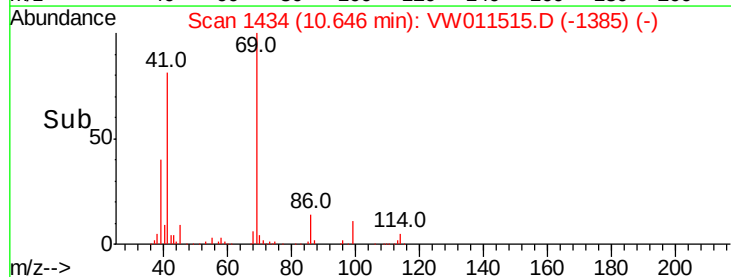
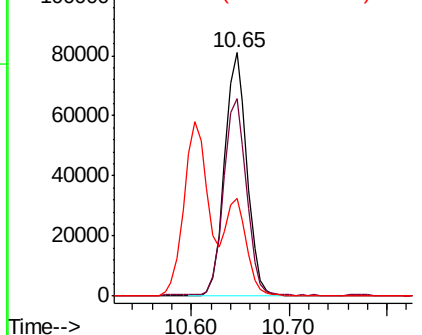


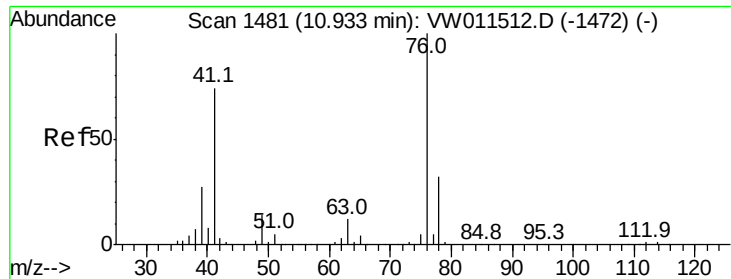
#56
 Ethyl methacrylate
 Concen: 47.640 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	69	Resp	128845
Ion	Ratio	Lower	Upper
69	100		
41	81.6	66.6	99.8
39	37.1	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 46.255 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

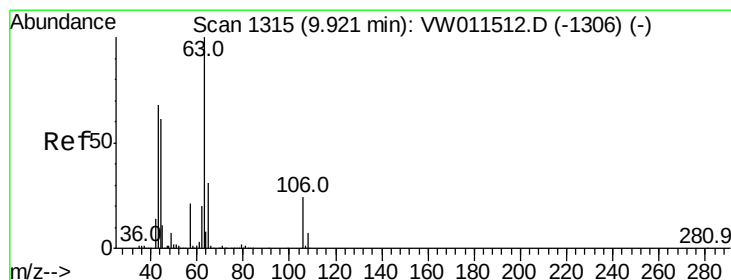
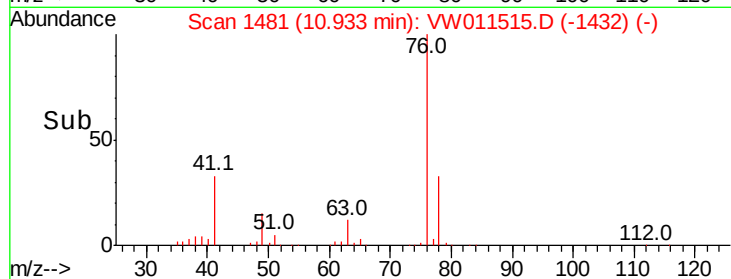
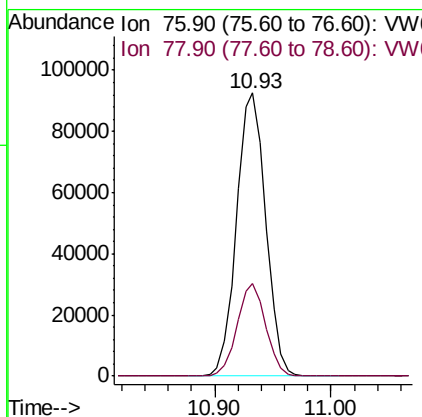
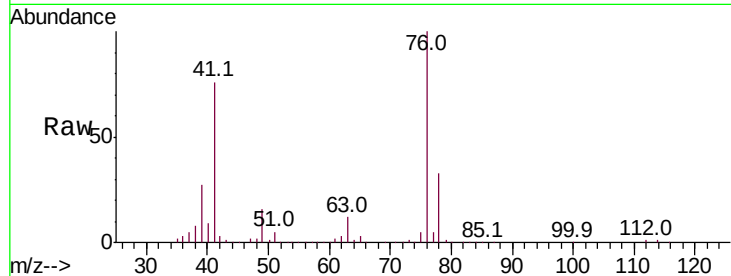
Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion: 76 Resp: 161738

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.2	37.8

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM



#58

2-Chloroethyl Vinyl ether

Concen: 291.096 ug/l

RT: 9.93 min Scan# 1316

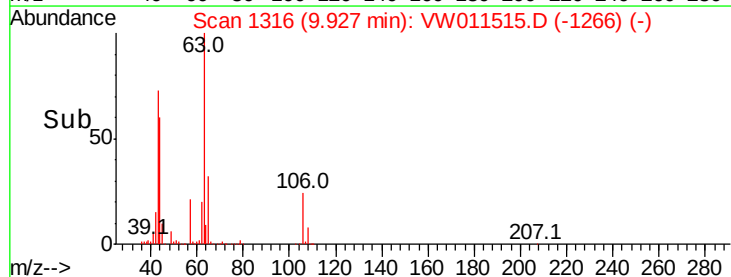
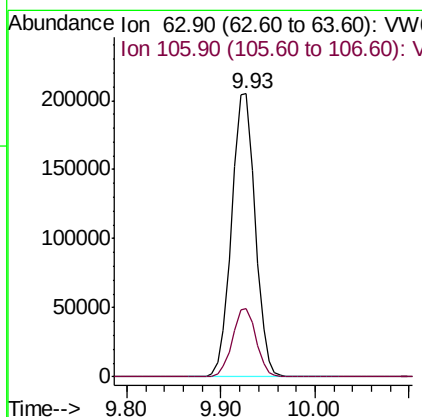
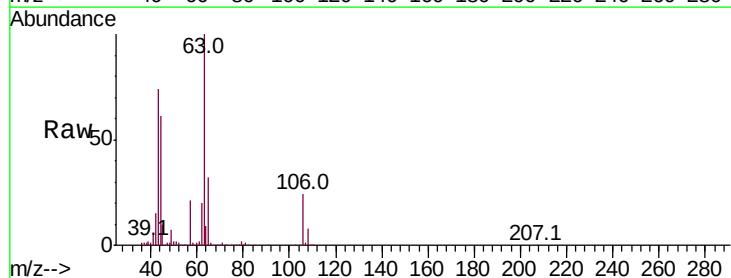
Delta R.T. 0.01 min

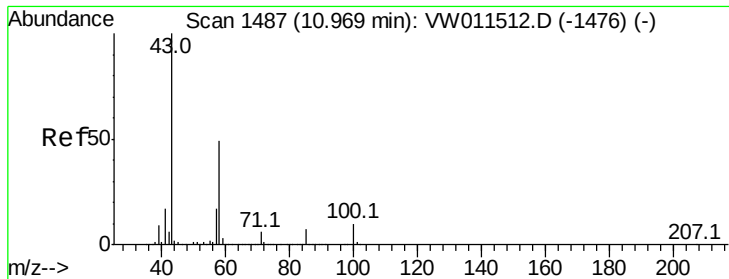
Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion: 63 Resp: 357461

Ion	Ratio	Lower	Upper
63	100		
106	24.2	19.7	29.5





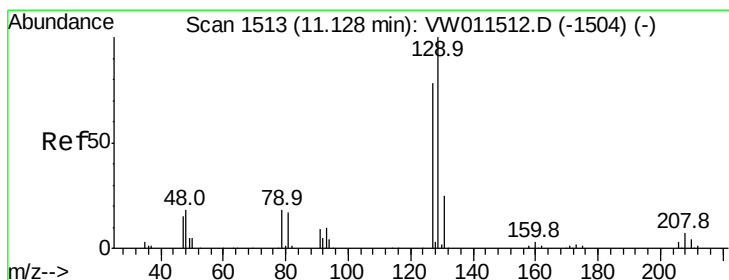
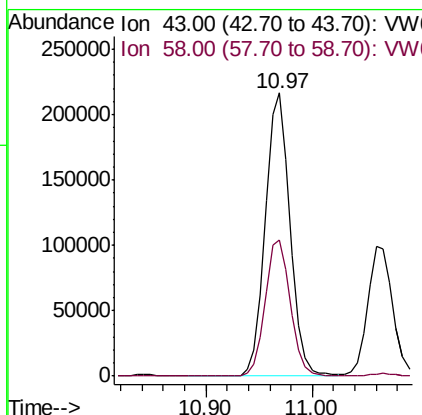
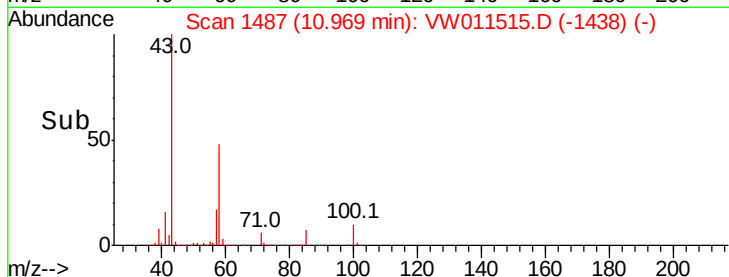
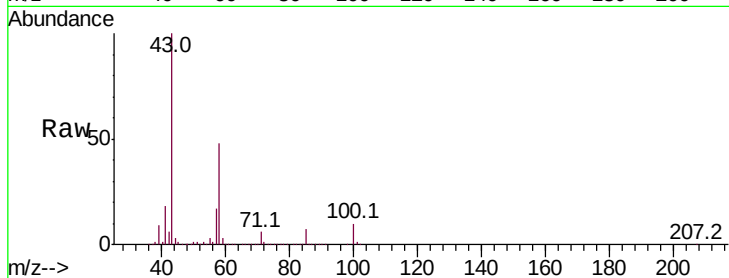
#59
2-Hexanone
Concen: 237.621 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	43	58	Ratio	100	49.0	Resp	351623	Lower	24.3	Upper	72.9
Ion	43	58	Ratio	100	49.0	Resp	351623	Lower	24.3	Upper	72.9

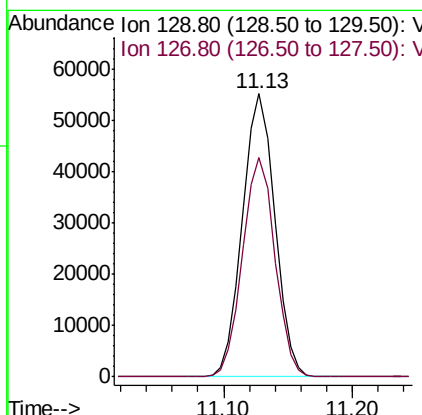
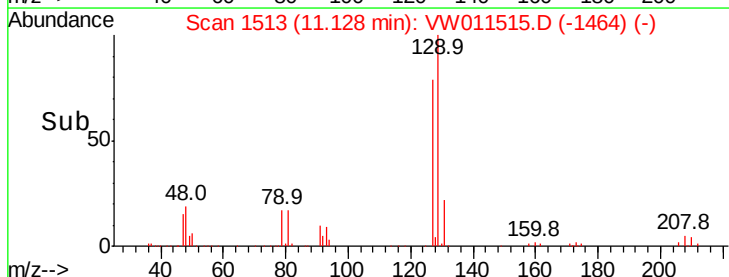
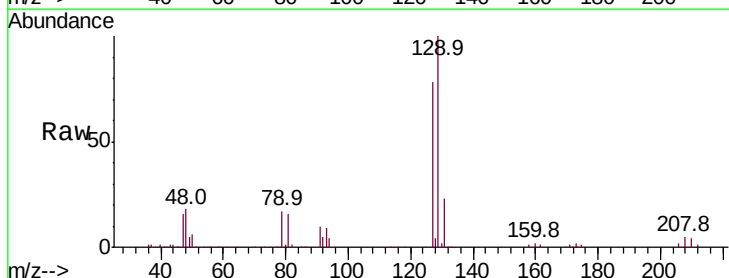
Manual Integrations
APPROVED

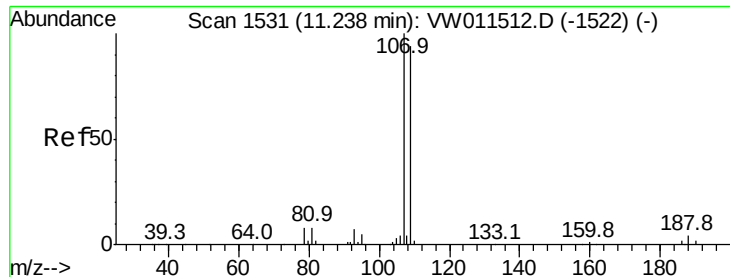
MMDadoda
7/29/2019 9:18:49 AM



#60
Dibromochloromethane
Concen: 47.041 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	129	127	Ratio	100	77.1	Resp	96509	Lower	38.9	Upper	116.7
Ion	129	127	Ratio	100	77.1	Resp	96509	Lower	38.9	Upper	116.7





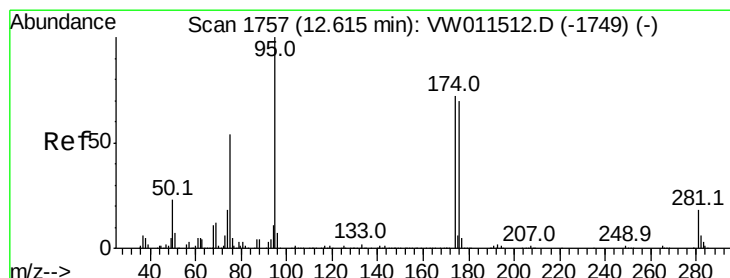
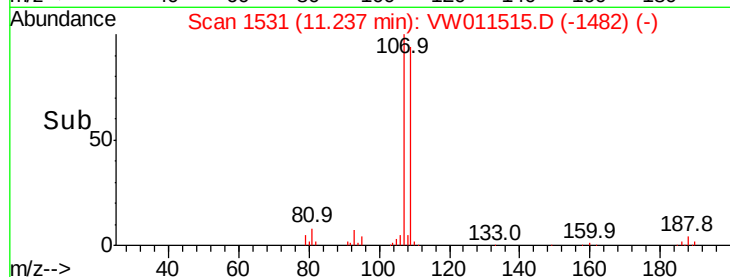
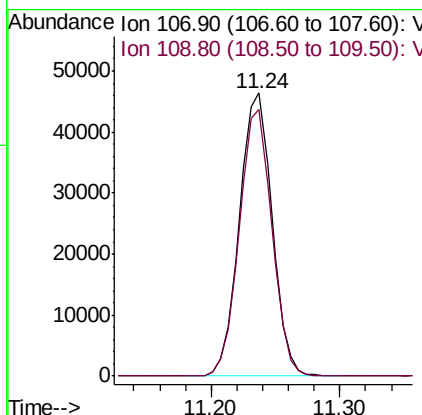
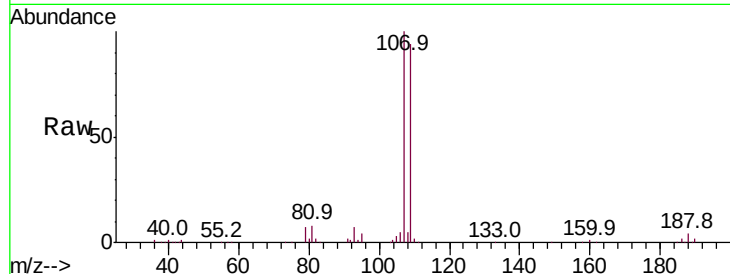
#61
 1,2-Dibromoethane
 Concen: 46.416 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.6

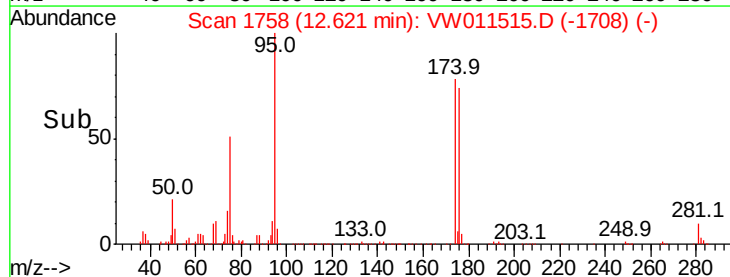
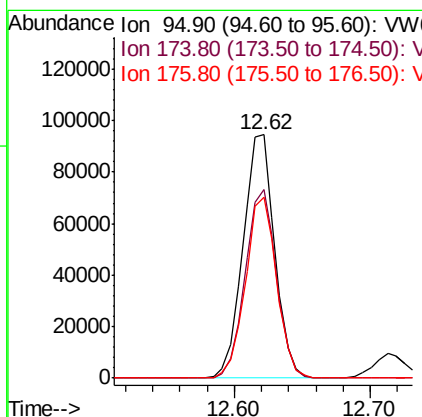
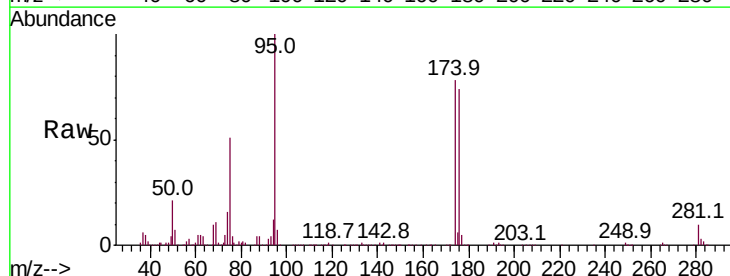
Manual Integrations
 APPROVED

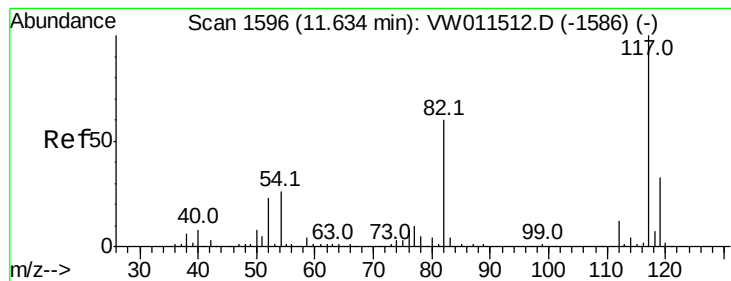
MMDadoda
 7/29/2019 9:18:49 AM



#62
 4-Bromofluorobenzene
 Concen: 51.072 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	150.2
176	73.4	0.0	144.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion:117 Resp: 328960

Ion Ratio Lower Upper

117 100

82 57.5 47.9 71.9

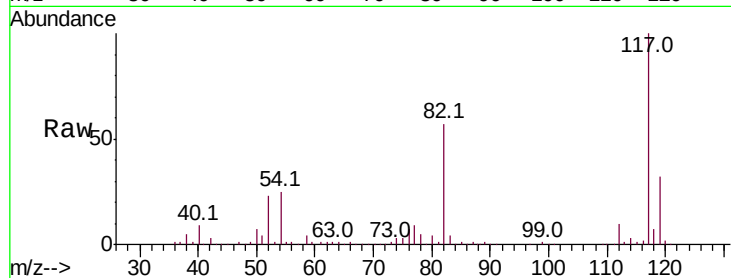
119 32.4 26.2 39.2

Manual Integrations

APPROVED

MMDadoda

7/29/2019 9:18:49 AM

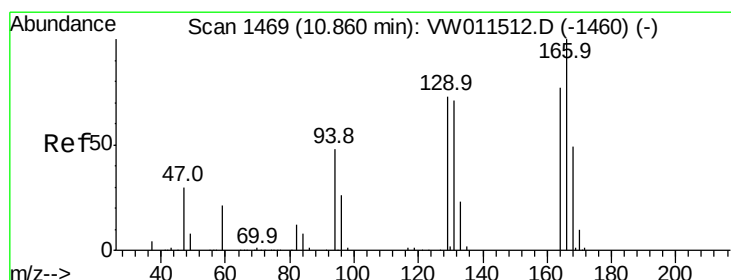
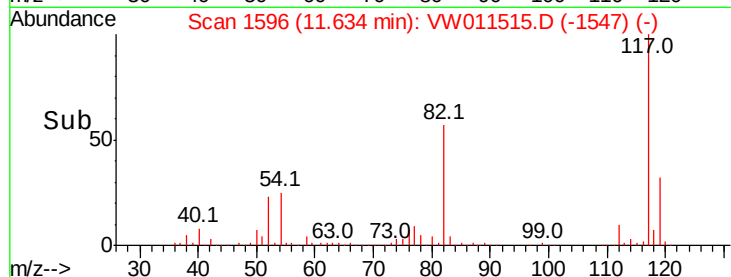
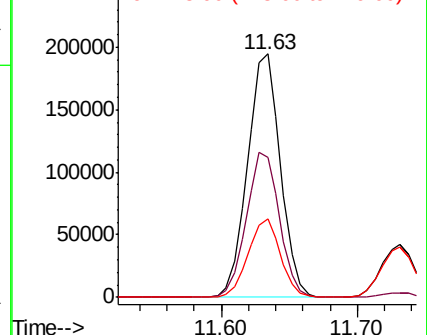


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 44.370 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion:164 Resp: 95035

Ion Ratio Lower Upper

164 100

166 129.7 103.5 155.3

129 96.2 75.2 112.8

131 93.2 73.4 110.2

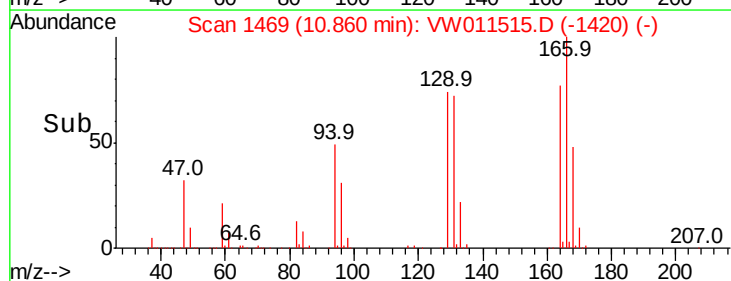
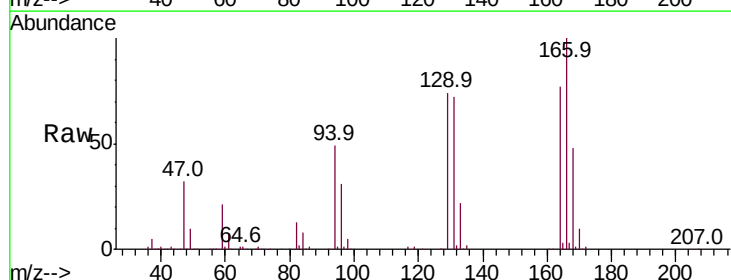
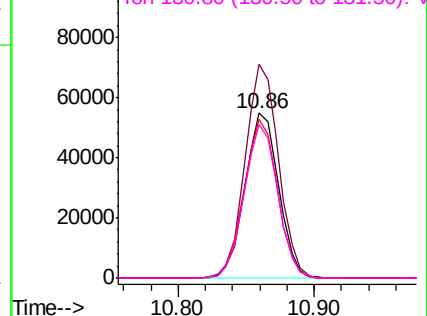
Abundance

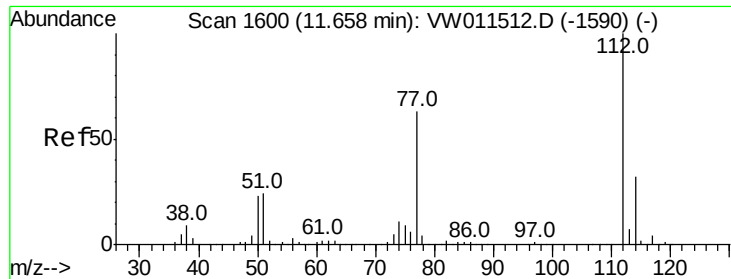
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





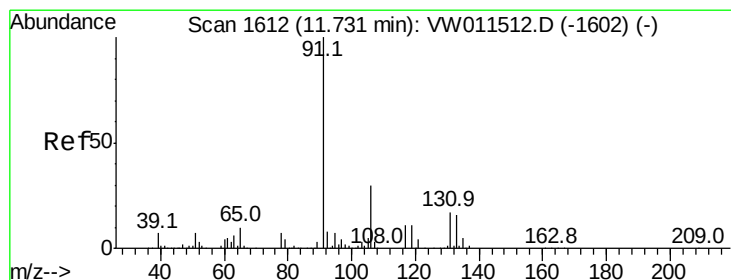
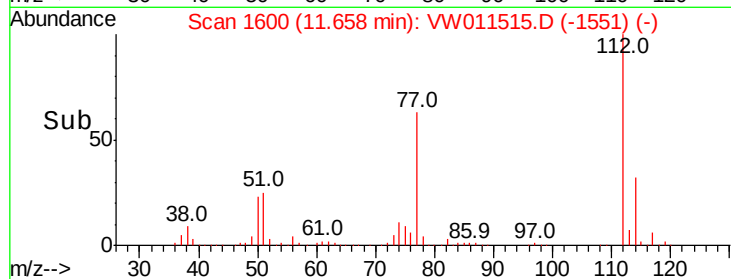
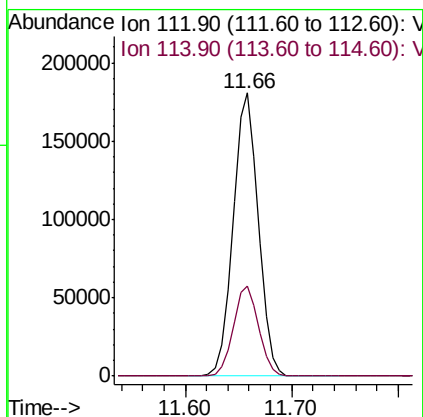
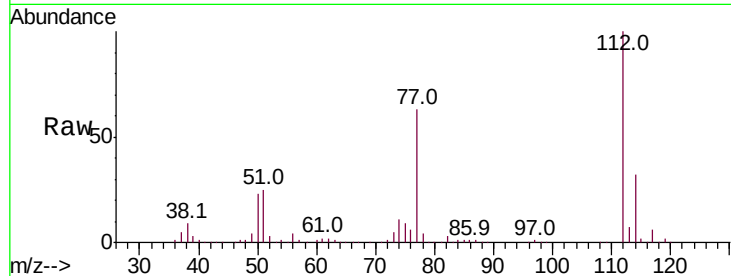
#65
Chlorobenzene
Concen: 45.245 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4

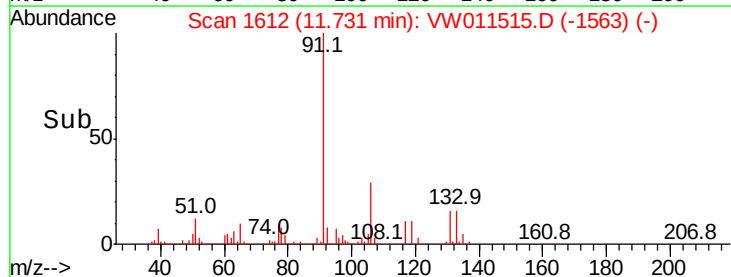
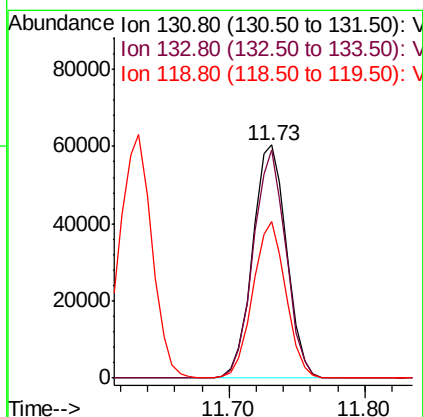
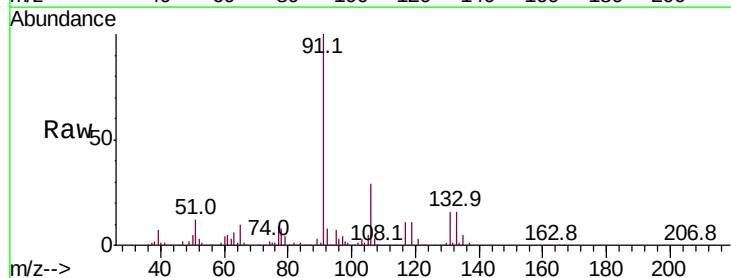
Manual Integrations
APPROVED

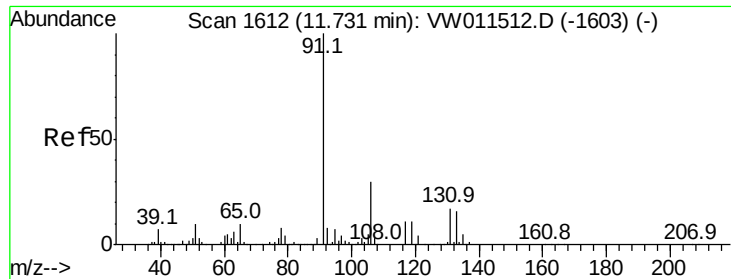
MMDadoda
7/29/2019 9:18:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.863 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.4	142.2
119	65.3	32.3	96.9





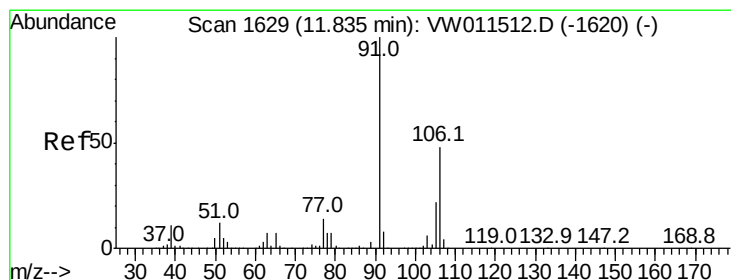
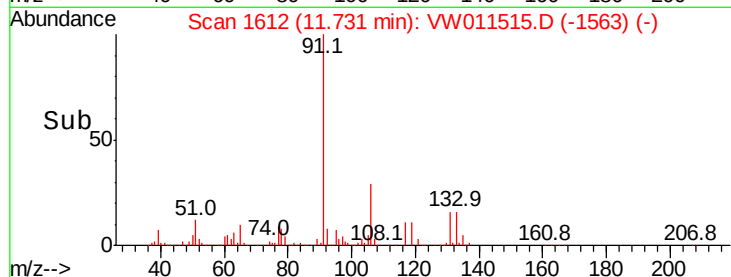
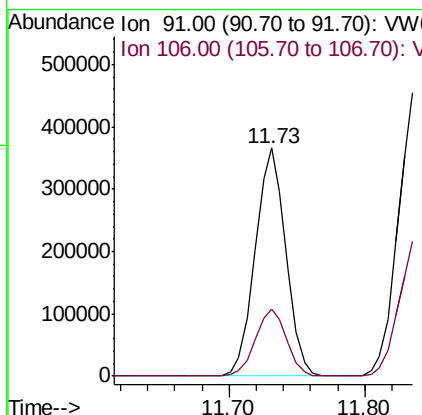
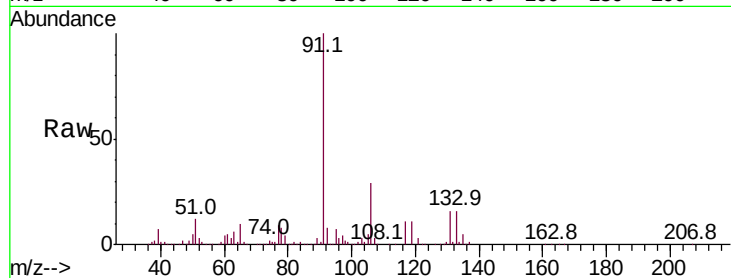
#67
Ethyl Benzene
Concen: 45.903 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion: 91 Resp: 578192
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6

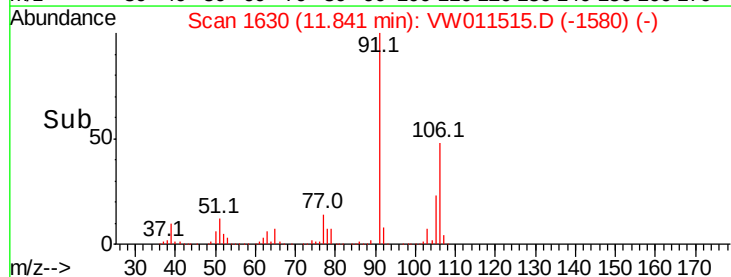
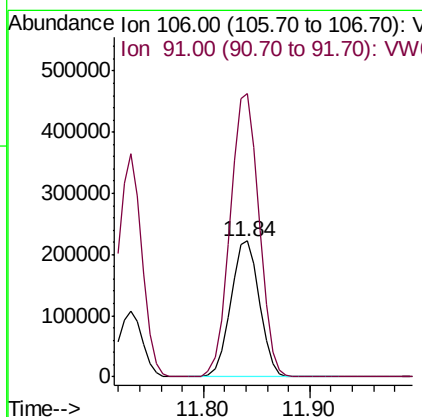
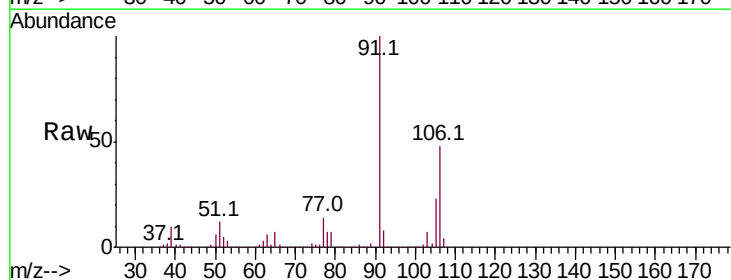
Manual Integrations
APPROVED

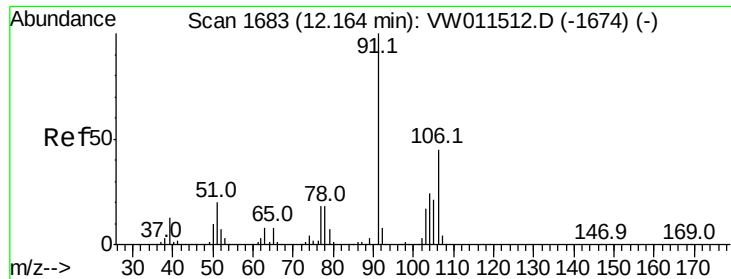
MMDadoda
7/29/2019 9:18:49 AM



#68
m/p-Xylenes
Concen: 91.554 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion: 106 Resp: 419388
Ion Ratio Lower Upper
106 100
91 210.3 168.2 252.2





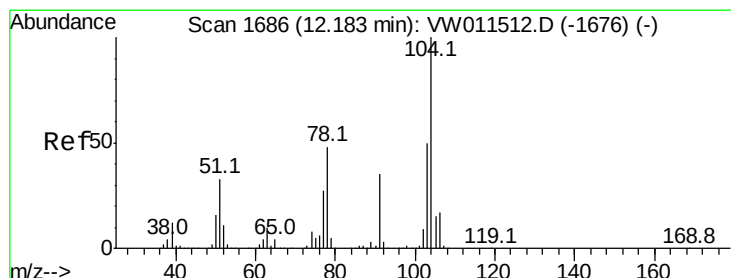
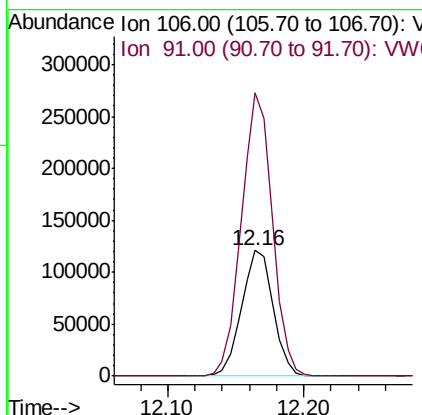
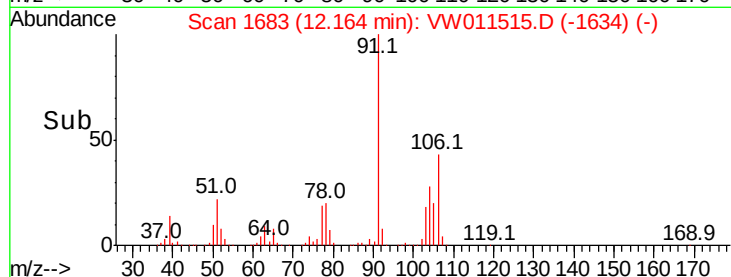
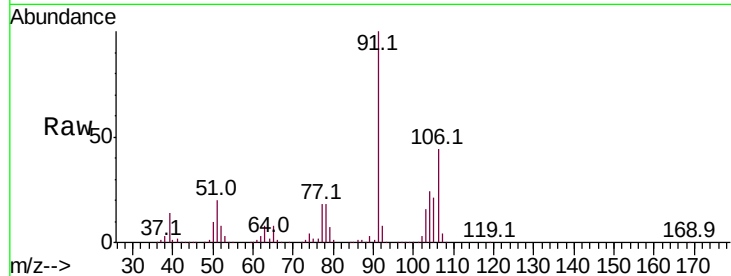
#69
o-Xylene
Concen: 46.128 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.7	110.5	331.5

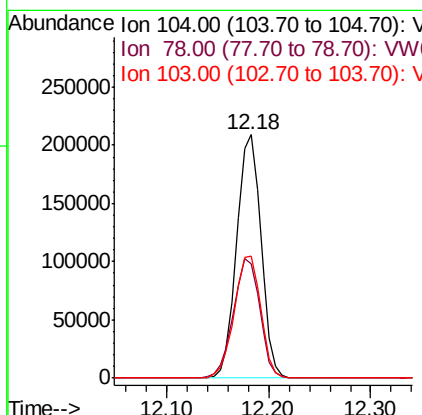
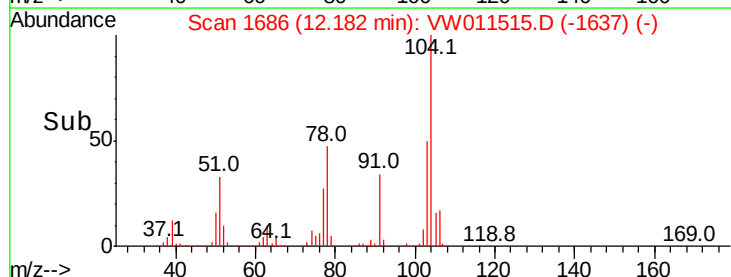
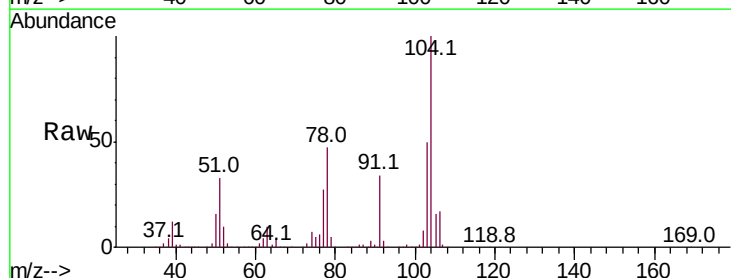
Manual Integrations
APPROVED

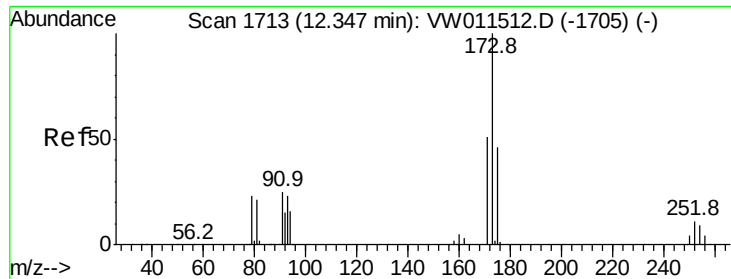
MMDadoda
7/29/2019 9:18:49 AM



#70
Styrene
Concen: 46.760 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.4	65.0
103	54.6	43.9	65.9





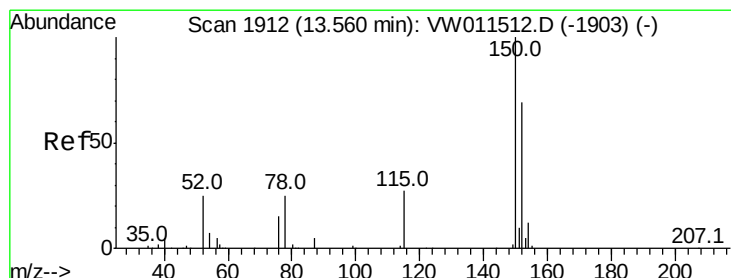
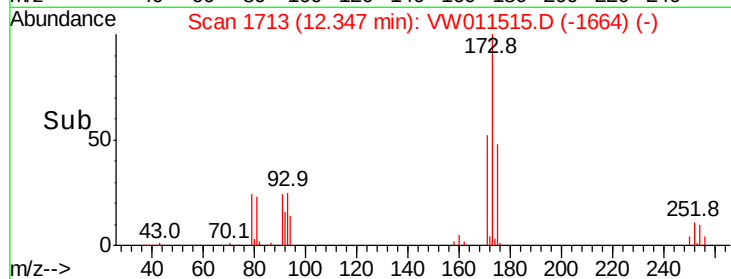
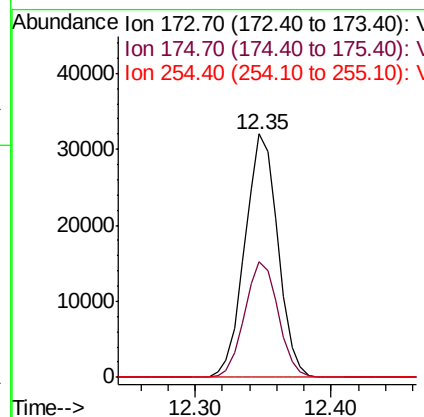
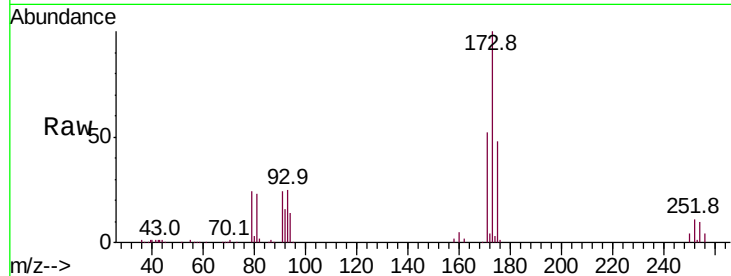
#71
Bromoform
Concen: 46.295 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.6	71.0
254	0.0	0.1	0.1#

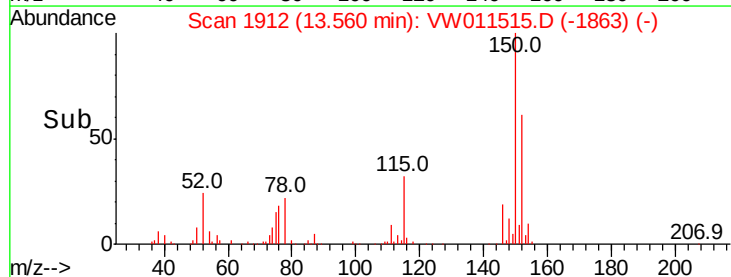
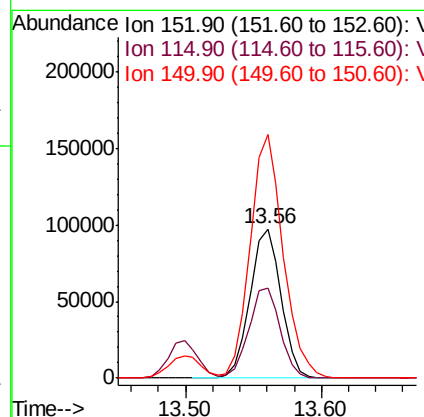
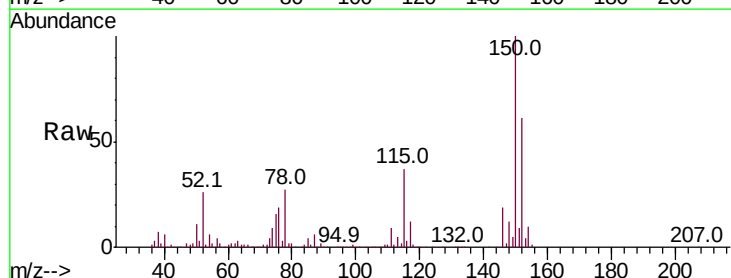
Manual Integrations
APPROVED

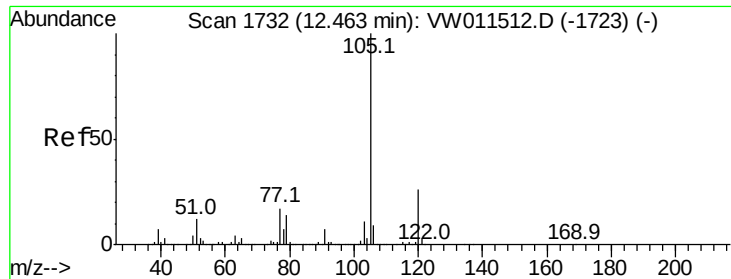
MMDadoda
7/29/2019 9:18:49 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.5	91.5
150	173.1	0.0	352.6





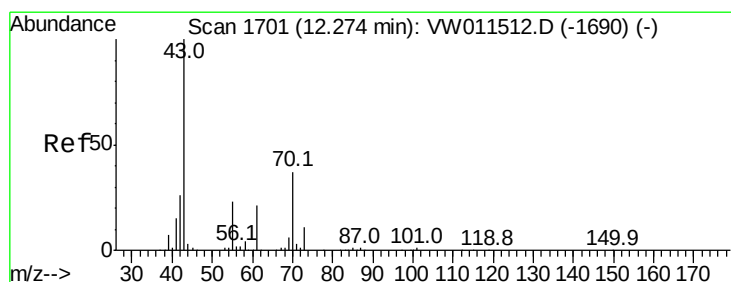
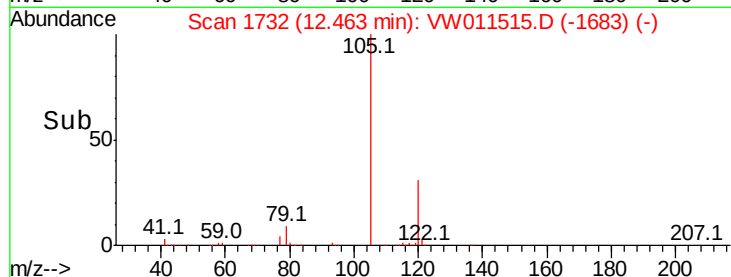
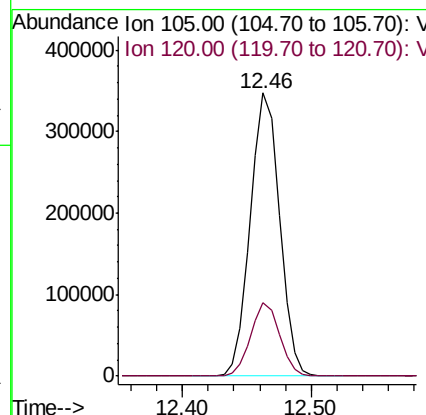
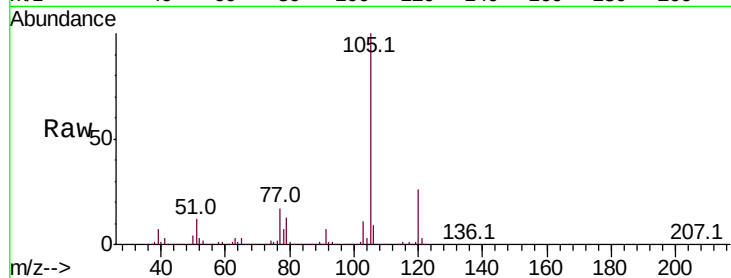
#73
Isopropylbenzene
Concen: 46.779 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7

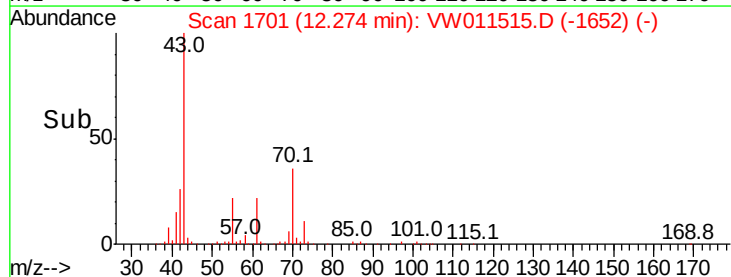
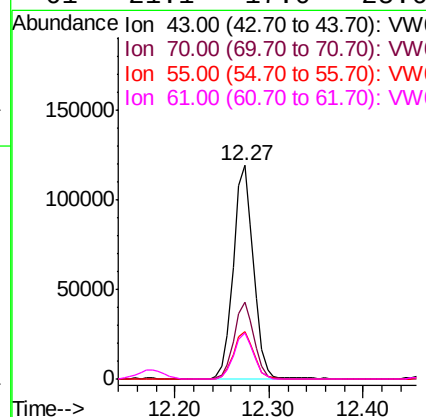
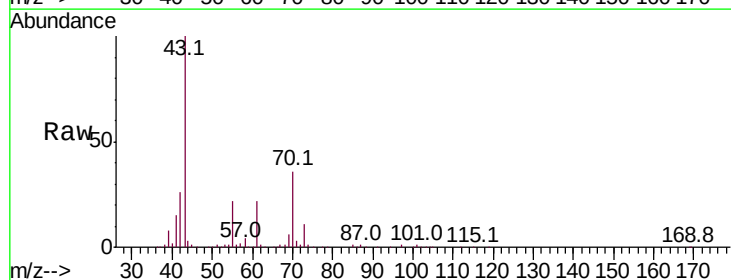
Manual Integrations
APPROVED

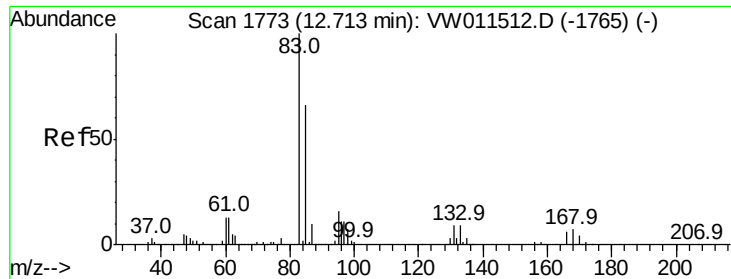
MMDadoda
7/29/2019 9:18:49 AM



#74
N-ethyl acetate
Concen: 48.505 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	28.6	43.0
55	22.3	17.8	26.8
61	21.1	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.524 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

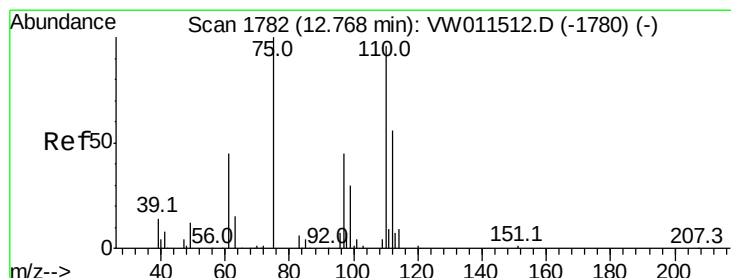
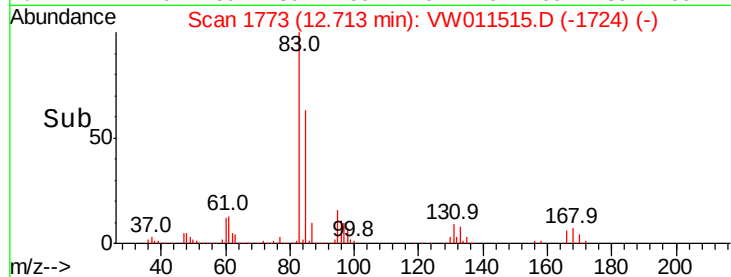
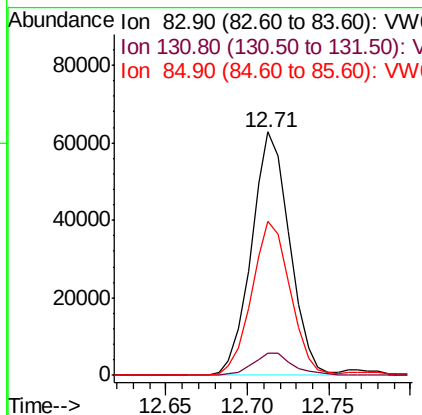
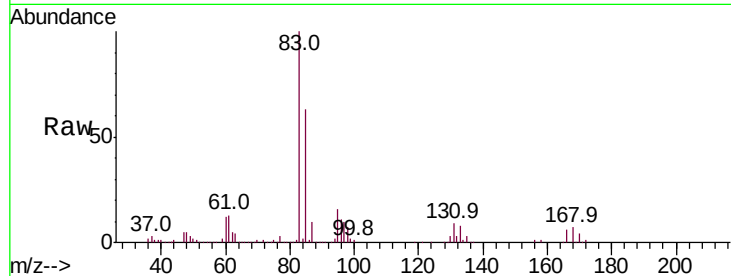
ClientSampleId :

ICVW072719

Tot Ion:	83	Resp:	101829
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.8	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM



#76

1,2,3-Trichloropropane

Concen: 42.566 ug/l m

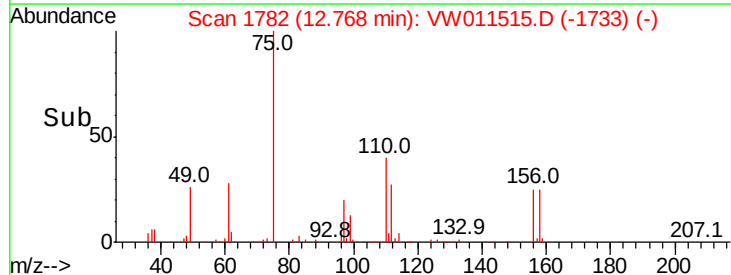
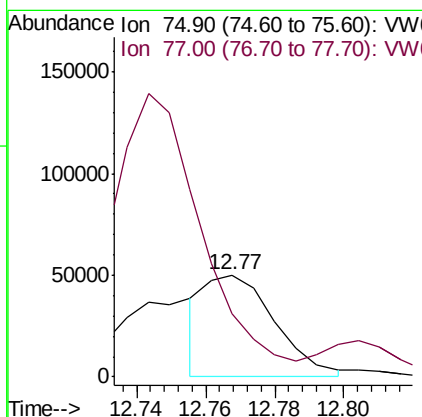
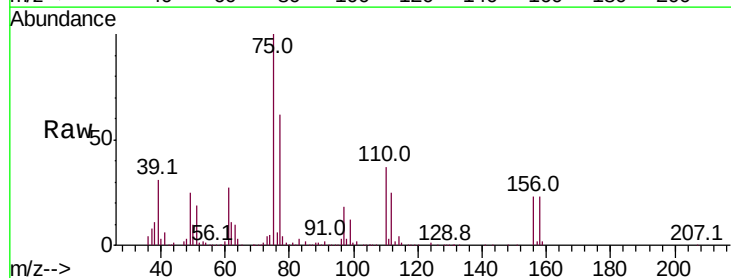
RT: 12.77 min Scan# 1782

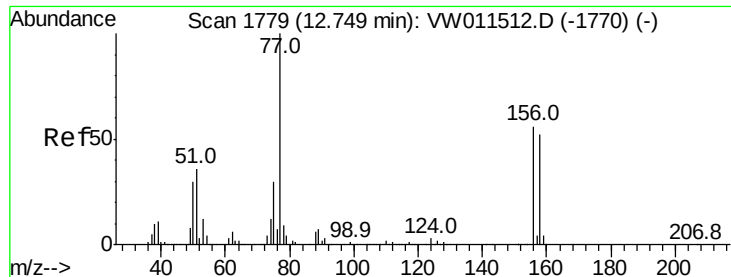
Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion:	75	Resp:	70251
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





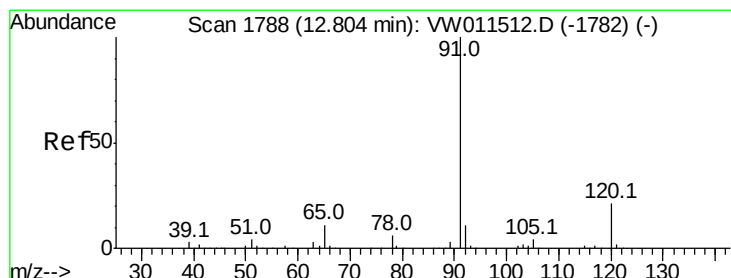
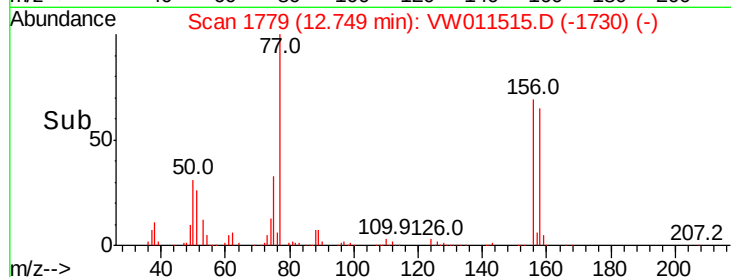
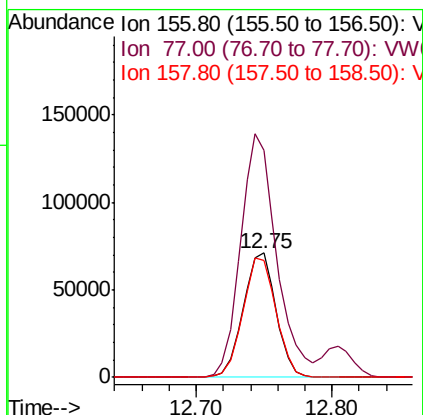
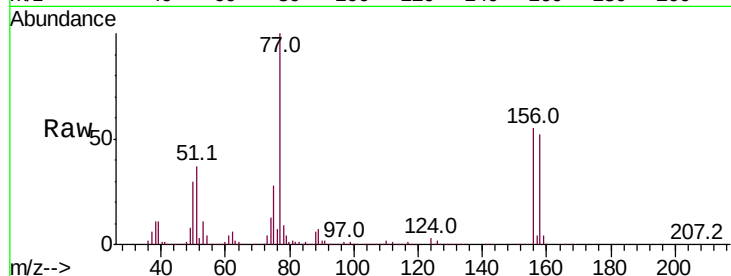
#77
Bromobenzene
Concen: 46.431 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.0	106.5	319.4
158	97.4	48.0	144.2

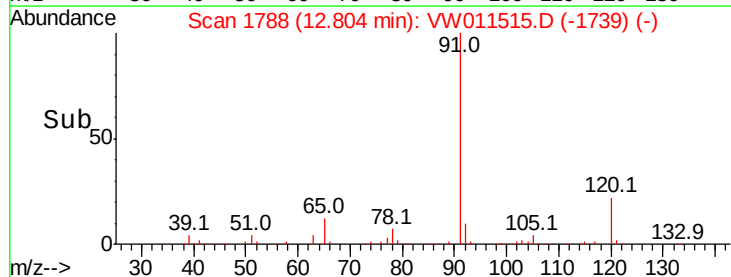
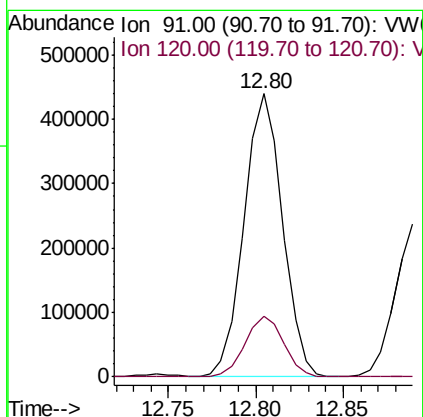
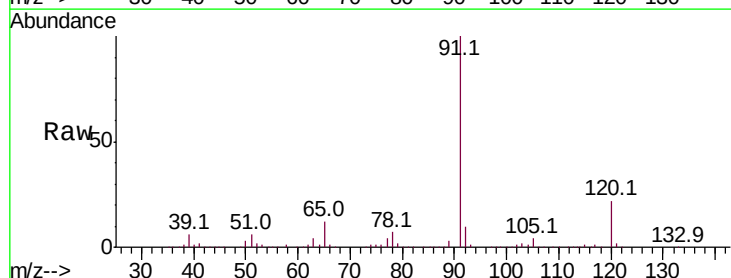
Manual Integrations
APPROVED

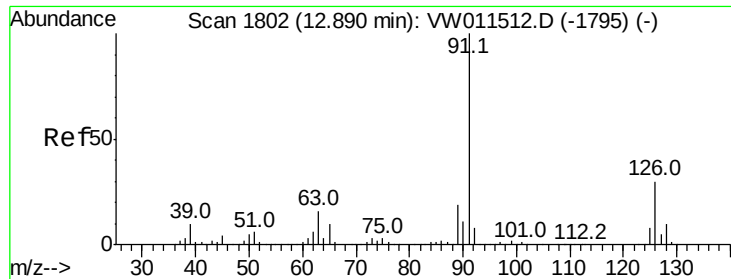
MMDadoda
7/29/2019 9:18:49 AM



#78
n-propylbenzene
Concen: 47.355 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 46.743 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

ClientSampleId :

ICVW072719

Tot Ion: 91 Resp: 381343

Ion Ratio Lower Upper

91 100

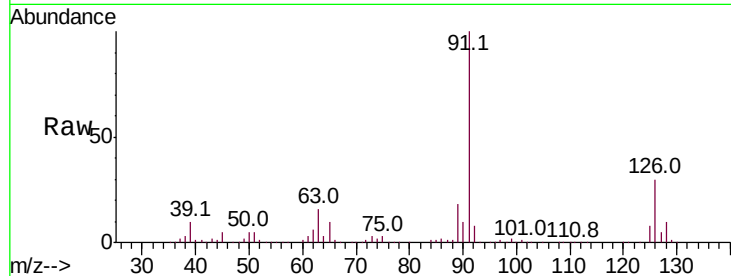
126 31.5 15.7 47.1

Manual Integrations

APPROVED

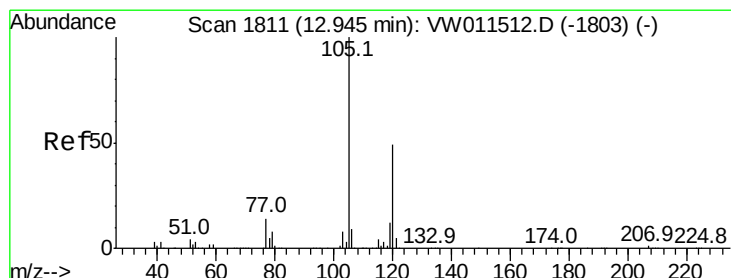
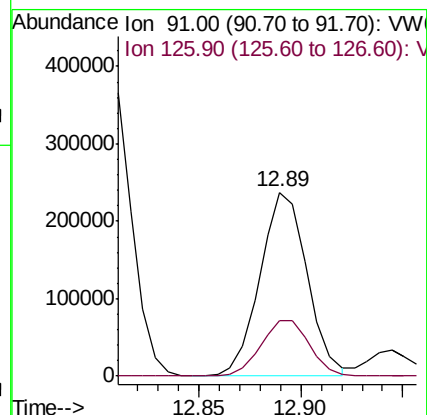
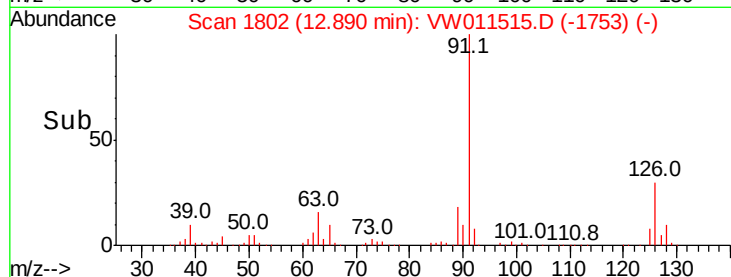
MMDadoda

7/29/2019 9:18:49 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 47.389 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011515.D

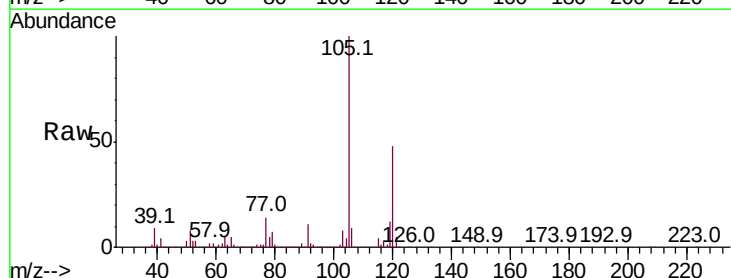
Acq: 26 Jul 2019 14:10

Tgt Ion:105 Resp: 462229

Ion Ratio Lower Upper

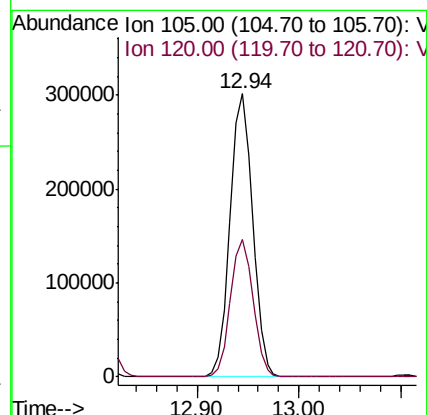
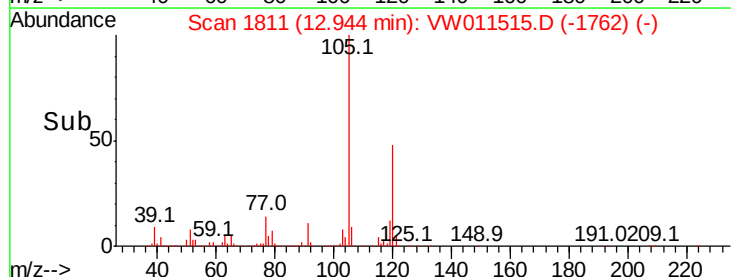
105 100

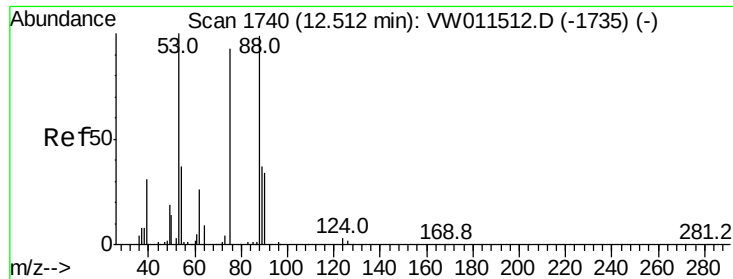
120 48.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.360 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

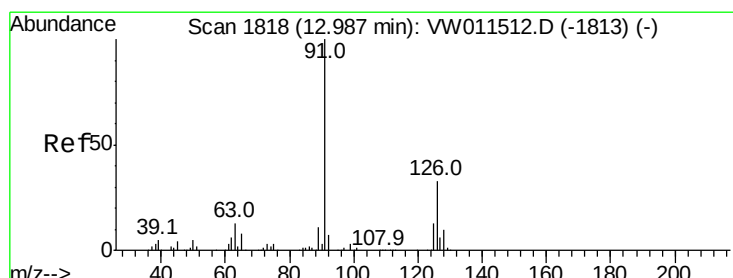
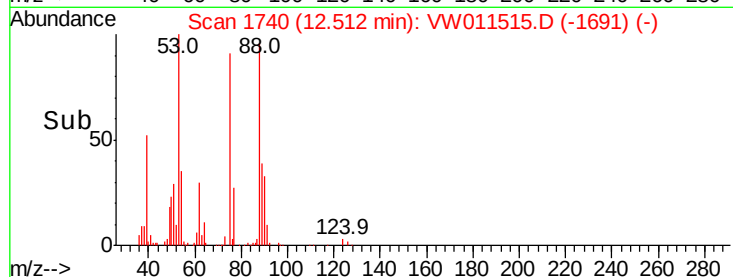
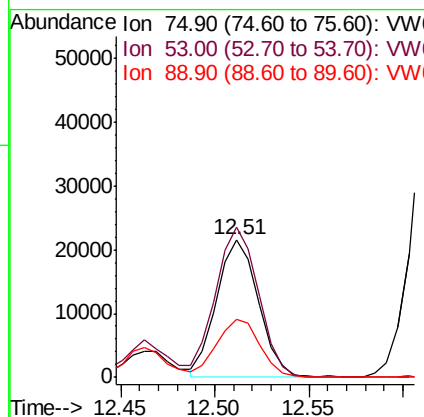
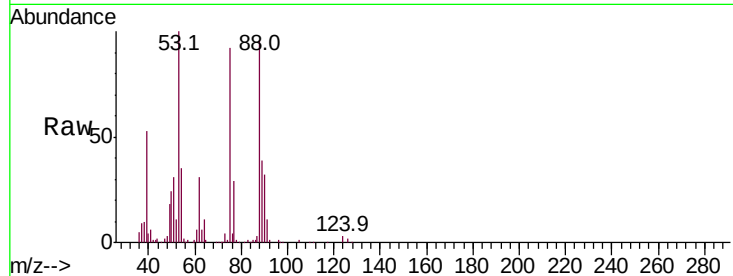
ClientSampleId :

ICVW072719

Tot Ion:	75	Resp:	33199
Ion	Ratio	Lower	Upper
75	100		
53	113.4	88.0	132.0
89	43.7	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM



#82

4-Chlorotoluene

Concen: 46.248 ug/l

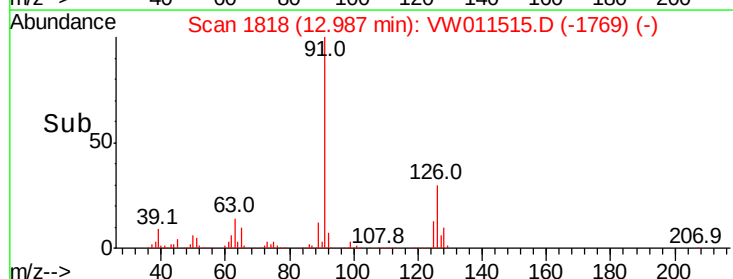
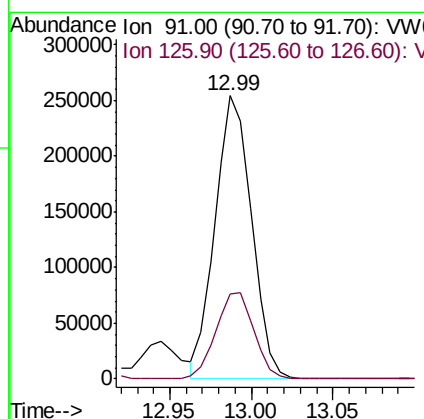
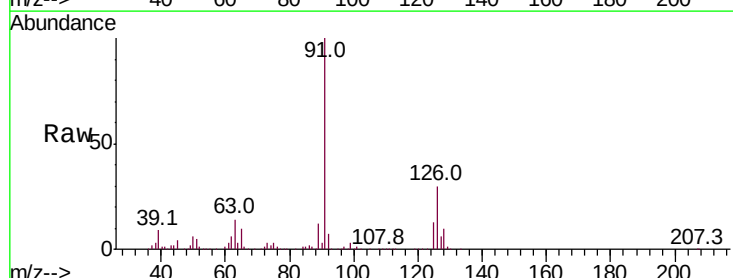
RT: 12.99 min Scan# 1818

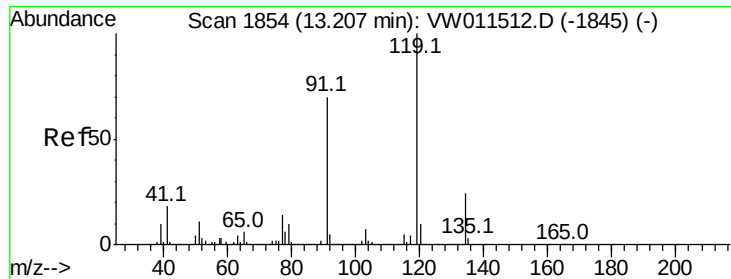
Delta R.T. -0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion:	91	Resp:	395874
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.6	46.8





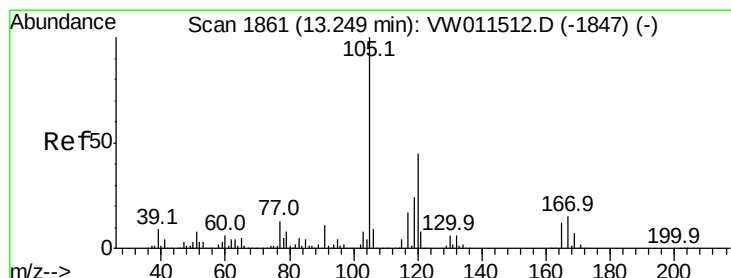
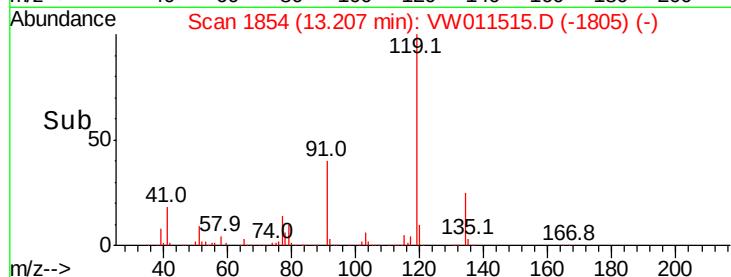
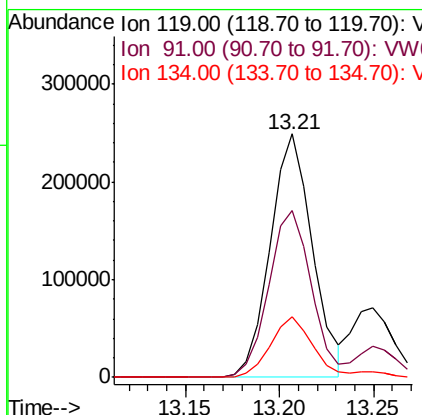
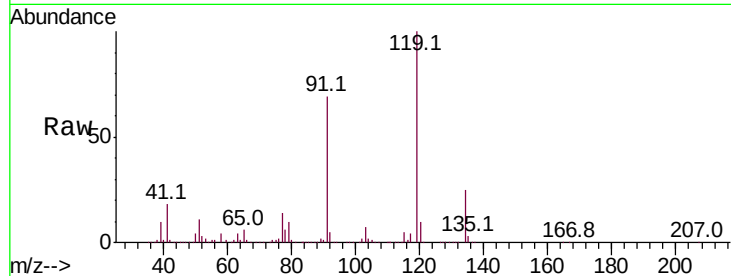
#83
tert-Butylbenzene
Concen: 47.504 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Resp	Lower	Upper
119	100	387481		
91	68.8	34.5	103.6	
134	24.6	12.4	37.4	

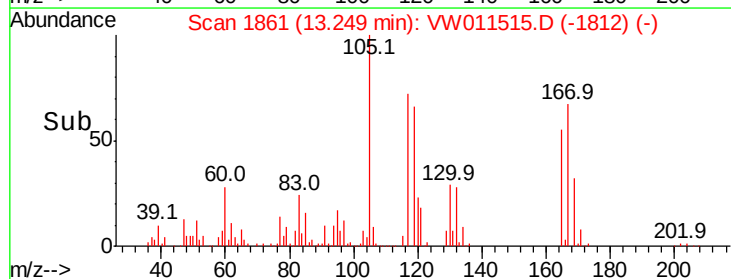
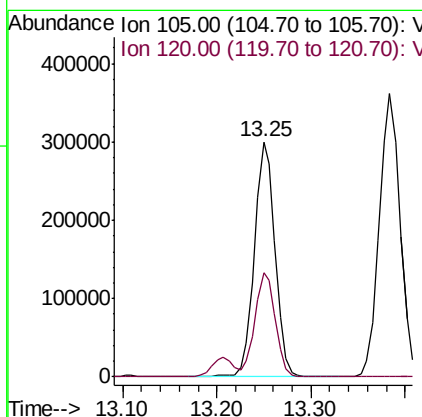
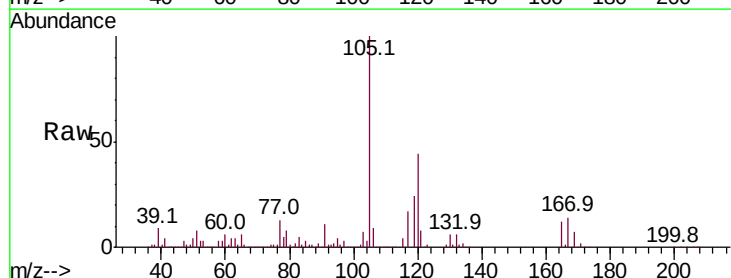
Manual Integrations
APPROVED

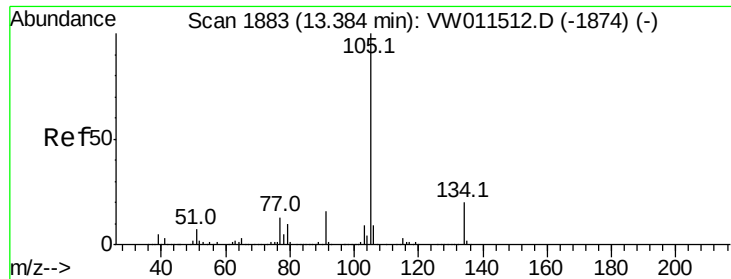
MMDadoda
7/29/2019 9:18:49 AM



#84
1,2,4-Trimethylbenzene
Concen: 47.280 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	464565		
120	43.9	22.1	66.5	





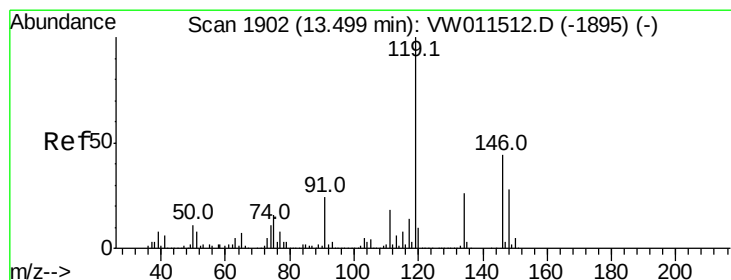
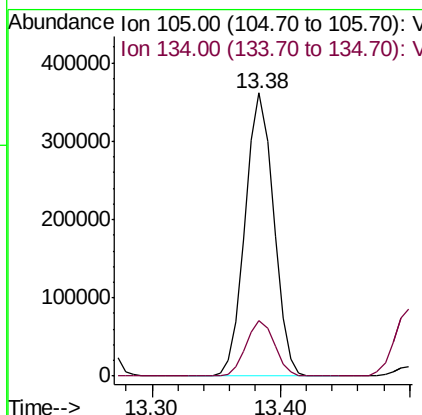
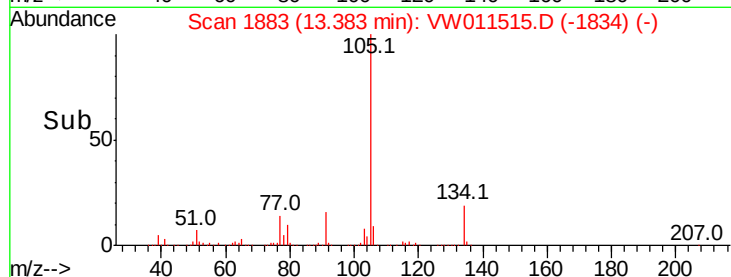
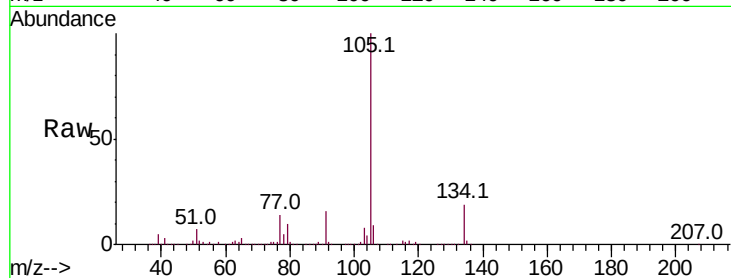
#85
 sec-Butylbenzene
 Concen: 47.523 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

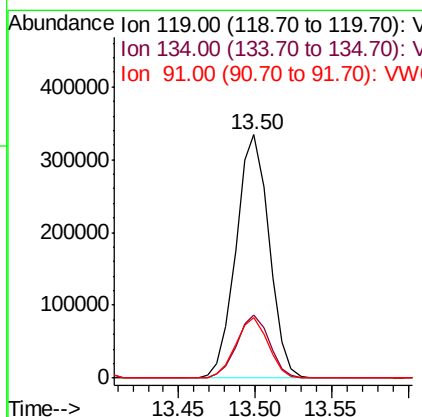
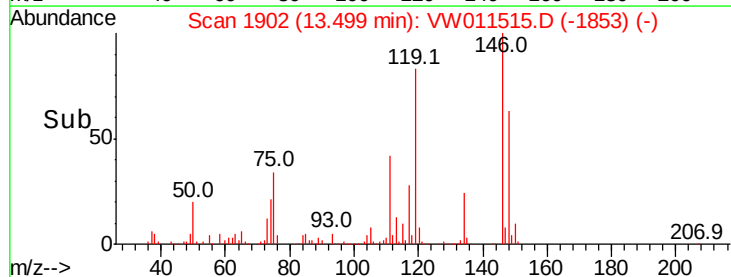
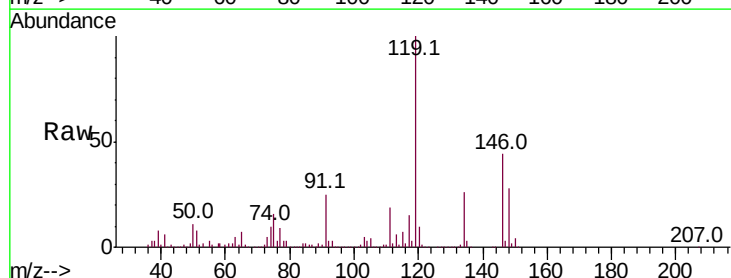
Manual Integrations
 APPROVED

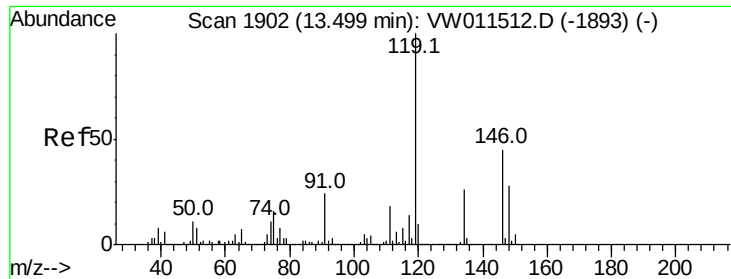
MMDadoda
 7/29/2019 9:18:49 AM



#86
 p-Isopropyltoluene
 Concen: 47.384 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.4	12.1	36.3





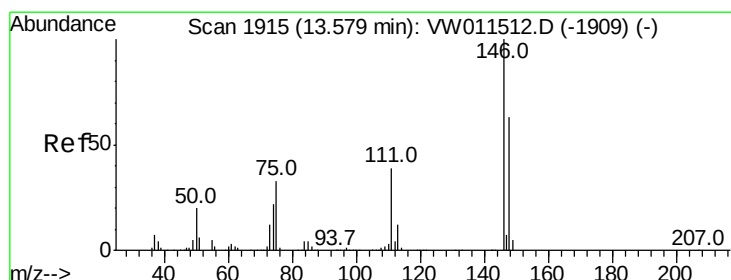
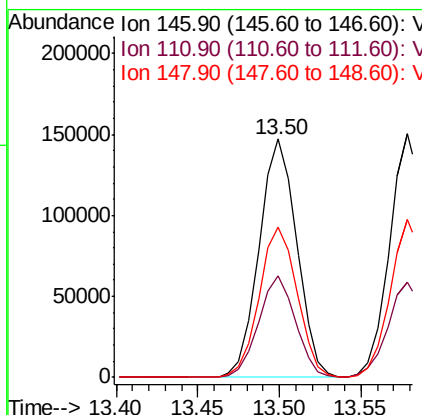
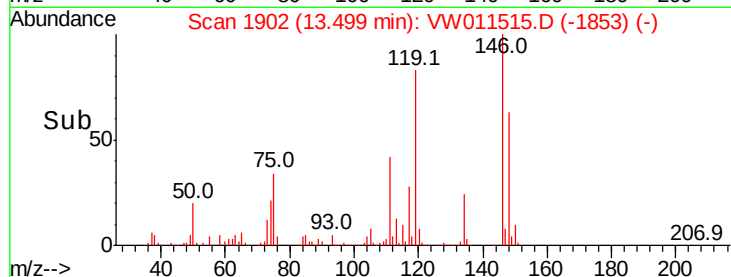
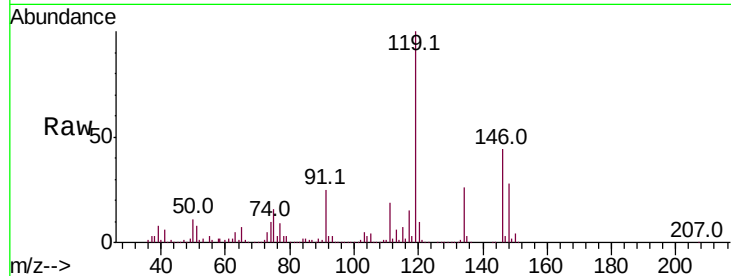
#87
 1,3-Dichlorobenzene
 Concen: 46.638 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Resp	Lower	Upper
146	100	235198		
111	41.6	20.5	61.6	
148	63.6	31.8	95.3	

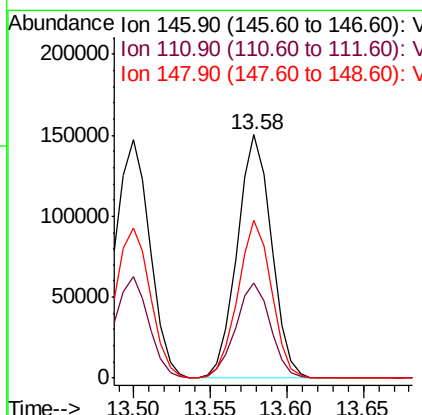
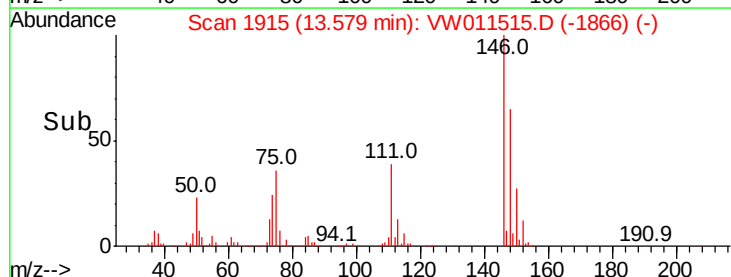
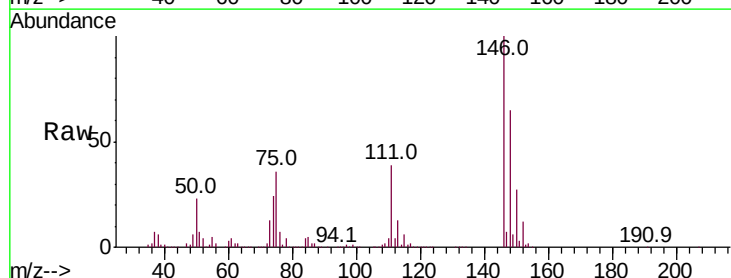
Manual Integrations
 APPROVED

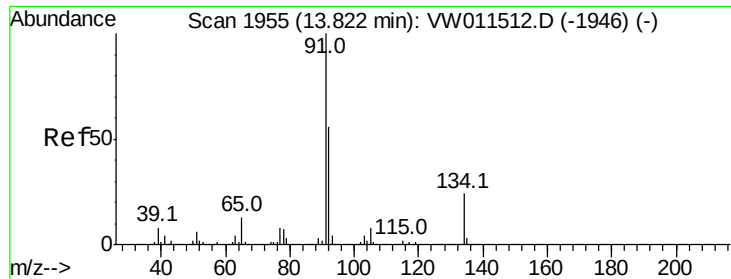
MMDadoda
 7/29/2019 9:18:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.636 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	233953		
111	39.8	20.1	60.2	
148	63.8	31.9	95.9	





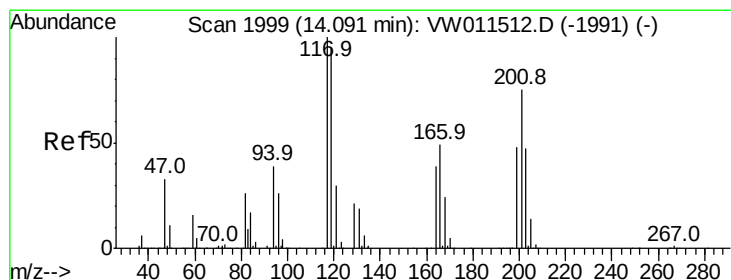
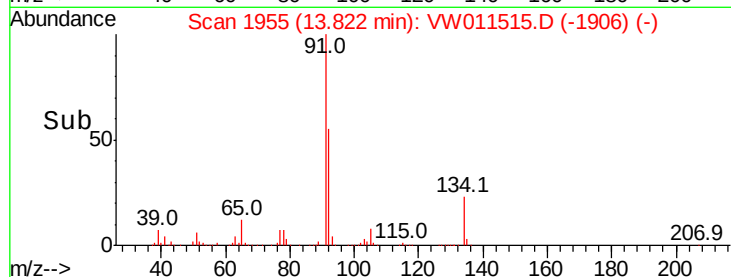
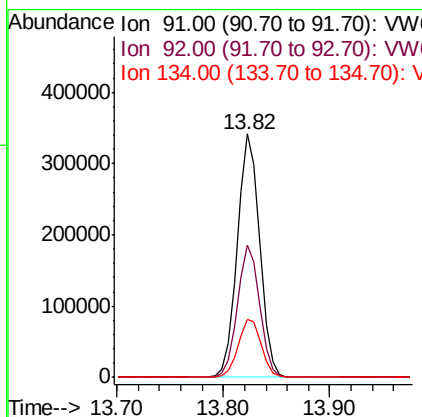
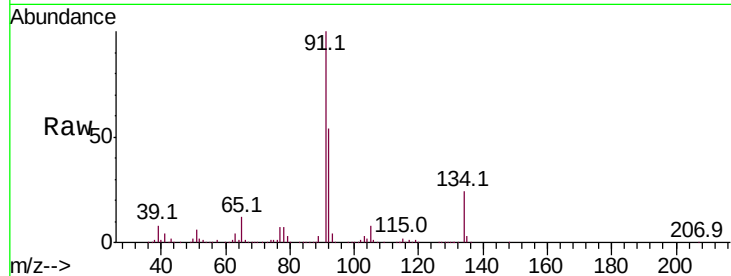
#89
n-Butylbenzene
Concen: 47.840 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	27.5	82.4	
134	24.5	12.2	36.6	

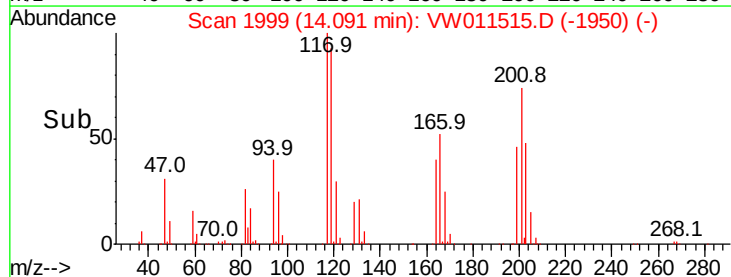
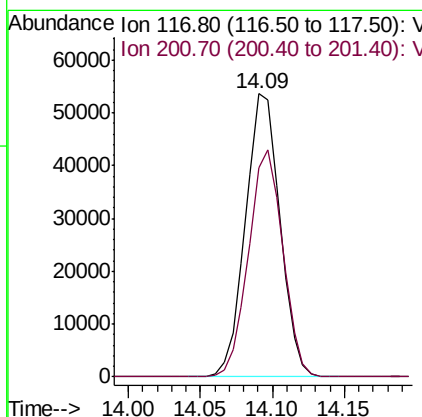
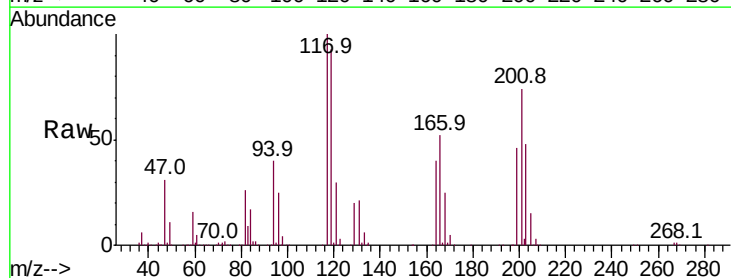
Manual Integrations
APPROVED

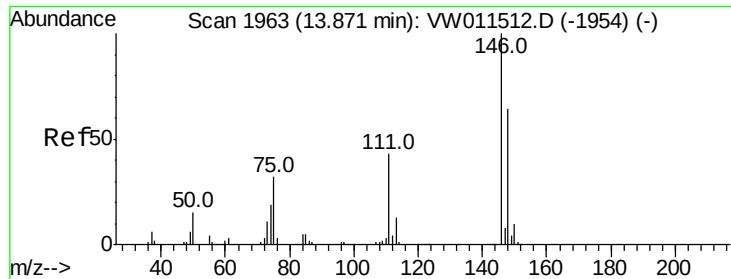
MMDadoda
7/29/2019 9:18:49 AM



#90
Hexachloroethane
Concen: 47.641 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.4	39.4	118.2	





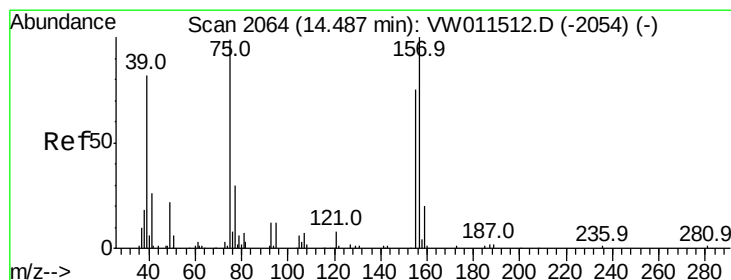
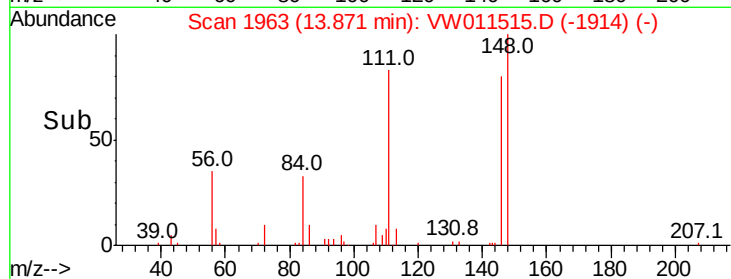
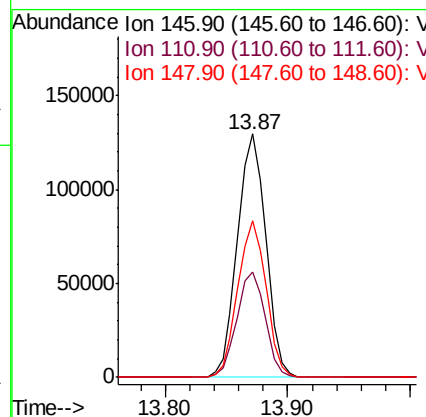
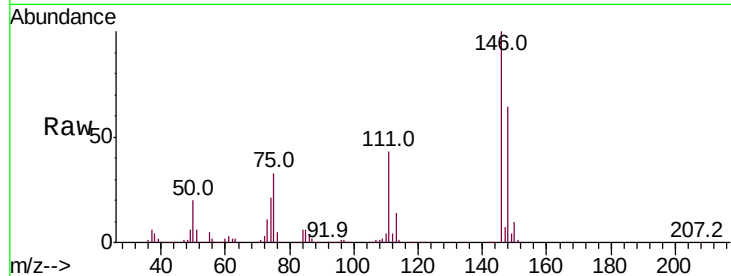
#91
1,2-Dichlorobenzene
Concen: 46.673 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Instrument :
MSVOA_W
ClientSampleId :
ICVW072719

Tot Ion	Ratio	Resp	Lower	Upper
146	100	208177		
111	43.2	21.6	65.0	
148	64.1	32.0	96.2	

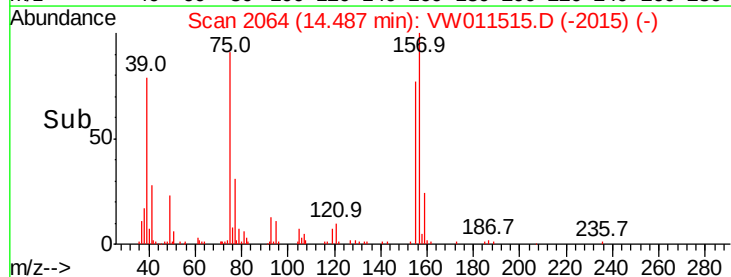
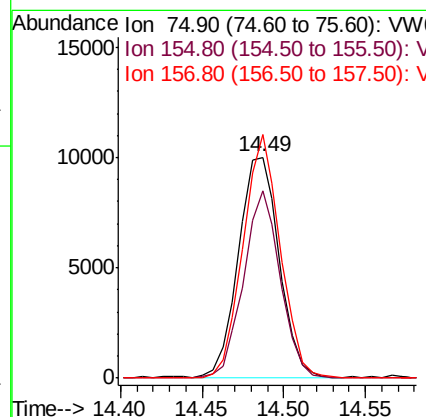
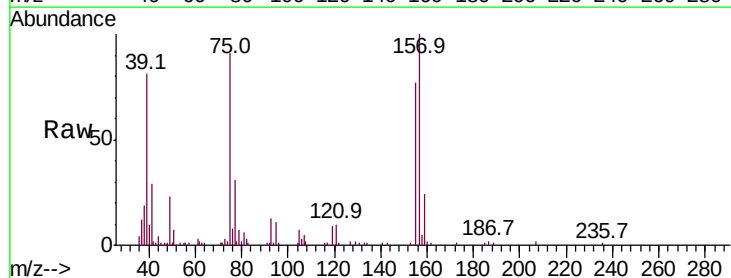
Manual Integrations
APPROVED

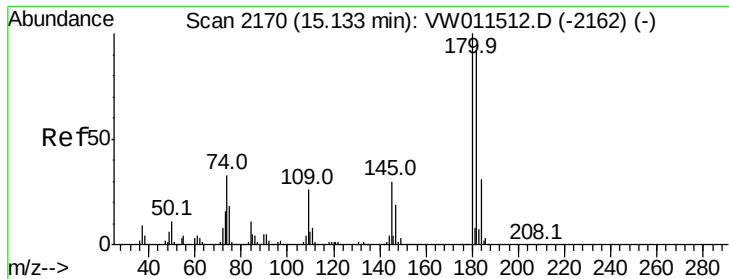
MMDadoda
7/29/2019 9:18:49 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.895 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW011515.D
Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17503		
155	76.1	38.2	114.6	
157	99.9	48.9	146.7	





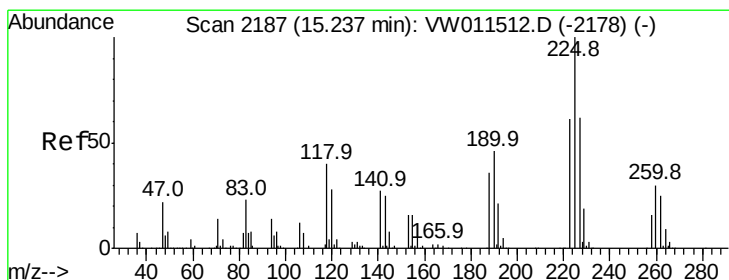
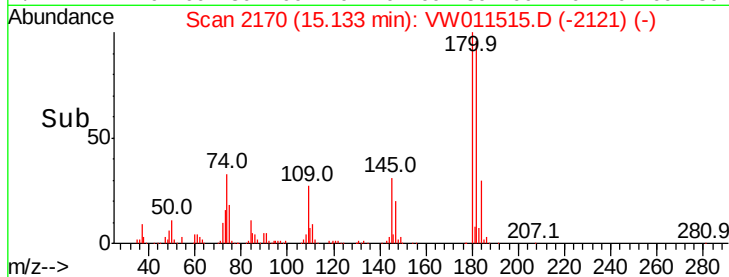
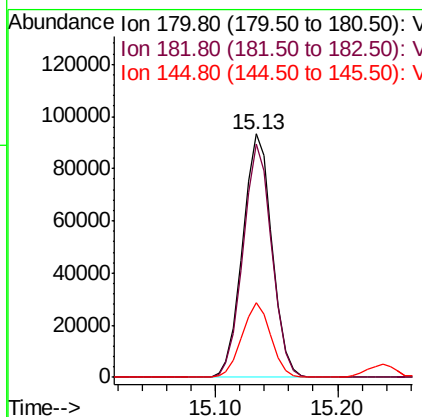
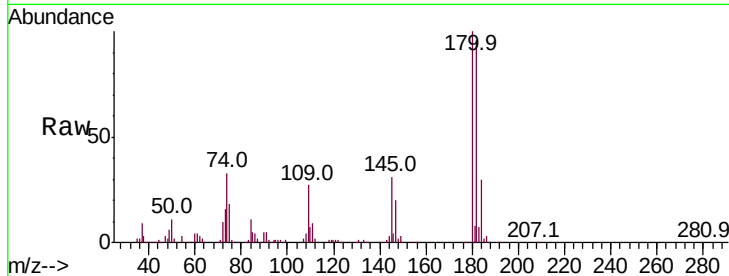
#93
 1,2,4-Trichlorobenzene
 Concen: 49.173 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW072719

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	47.4	142.2	
145	30.6	15.4	46.1	

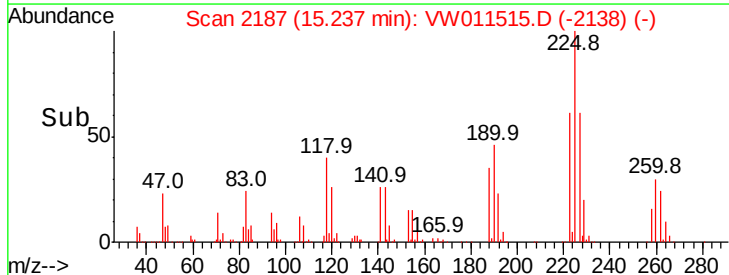
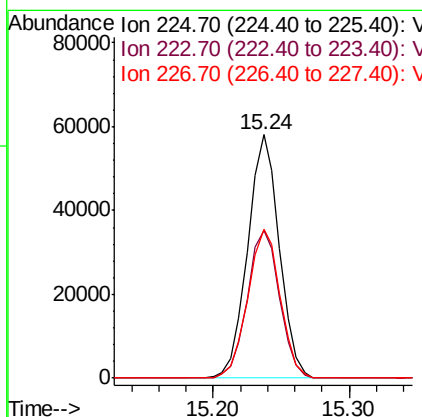
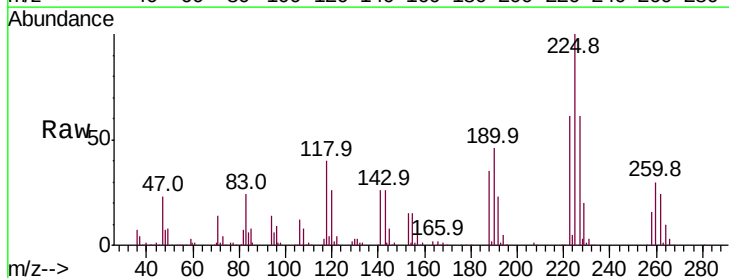
Manual Integrations
 APPROVED

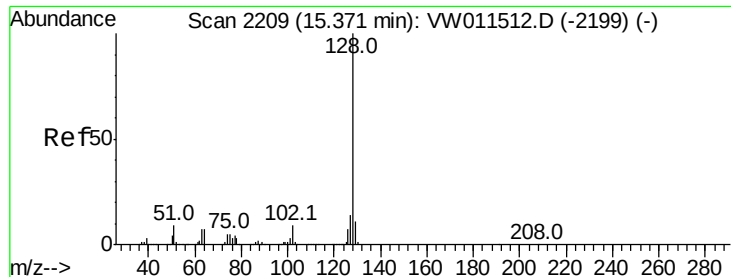
MMDadoda
 7/29/2019 9:18:49 AM



#94
 Hexachlorobutadiene
 Concen: 48.247 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011515.D
 Acq: 26 Jul 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	30.8	92.3	
227	62.6	31.6	94.7	





#95

Naphthalene

Concen: 46.662 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Instrument :

MSVOA_W

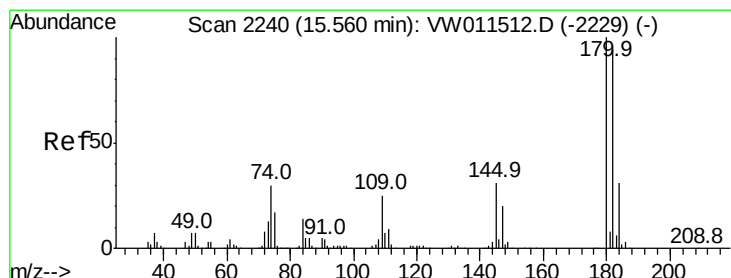
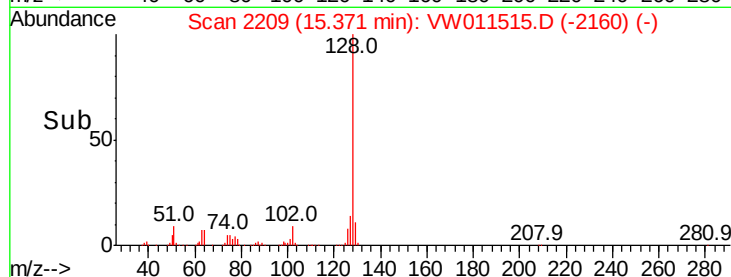
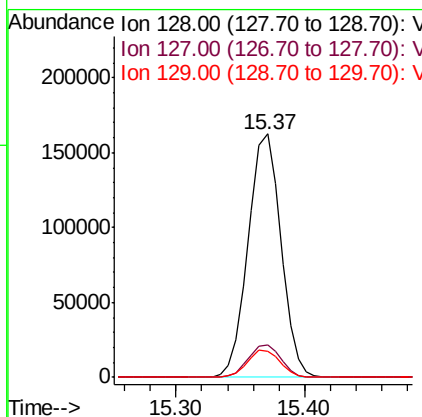
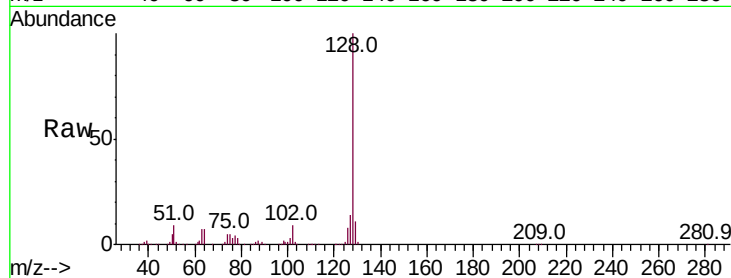
ClientSampleId :

ICVW072719

Tot Ion:	128	Resp:	286441
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:18:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.955 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW011515.D

Acq: 26 Jul 2019 14:10

Tgt Ion:	180	Resp:	137650
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.4	142.2
145	31.4	15.9	47.7

