

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013481.D
 Acq On : 08 Oct 2019 11:45
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:08:47 PM

Quant Time: Oct 09 05:35:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	381540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	191993	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	117749	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
35) Dibromofluoromethane	7.88	113	124687	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.32	98	520953	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.62	95	174275	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52321	49.473	ug/l	100
3) Chloromethane	2.21	50	88557	47.639	ug/l	100
4) Vinyl Chloride	2.35	62	135717	49.496	ug/l	100
5) Bromomethane	2.78	94	81117	49.581	ug/l	100
6) Chloroethane	2.92	64	76158	49.458	ug/l	100
7) Trichlorofluoromethane	3.26	101	70453	54.306	ug/l	100
8) Diethyl Ether	3.68	74	64626	48.128	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	132586	49.587	ug/l	100
10) Methyl Iodide	4.27	142	210265	49.661	ug/l	100
11) Tert butyl alcohol	5.18	59	44754	238.689	ug/l	100
12) 1,1-Dichloroethene	4.04	96	136230	49.163	ug/l	100
13) Acrolein	3.89	56	54848	272.748	ug/l	100
14) Allyl chloride	4.67	41	209742	49.254	ug/l	100
15) Acrylonitrile	5.36	53	146826	233.948	ug/l	100
16) Acetone	4.13	43	142321	247.940	ug/l	100
17) Carbon Disulfide	4.38	76	386908	49.744	ug/l	100
18) Methyl Acetate	4.67	43	71593	43.541	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	204262	48.749	ug/l	100
20) Methylene Chloride	4.91	84	137505	43.514	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	145512	49.419	ug/l	100
22) Diisopropyl ether	6.31	45	392702	49.220	ug/l	100
23) Vinyl Acetate	6.25	43	1176610	245.636	ug/l	100
24) 1,1-Dichloroethane	6.21	63	237094	48.619	ug/l	100
25) 2-Butanone	7.17	43	198891	235.108	ug/l	100
26) 2,2-Dichloropropane	7.17	77	150488	47.869	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	153011	49.111	ug/l	100
28) Bromochloromethane	7.51	49	91948	52.867	ug/l #	100
29) Tetrahydrofuran	7.53	42	122802	237.514	ug/l	100
30) Chloroform	7.68	83	231108	48.994	ug/l	100
31) Cyclohexane	7.95	56	242326	46.949	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	189116	49.321	ug/l	100
36) 1,1-Dichloropropene	8.08	75	200220	49.640	ug/l	100
37) Ethyl Acetate	7.25	43	85186	46.549	ug/l	100
38) Carbon Tetrachloride	8.07	117	182024	50.908	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100819\
 Data File : VW013481.D
 Acq On : 08 Oct 2019 11:45
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:08:47 PM

Quant Time: Oct 09 05:35:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	263353	50.396	ug/l	100
40) Benzene	8.32	78	558904	49.640	ug/l	100
41) Methacrylonitrile	7.48	41	49327	47.400	ug/l	100
42) 1,2-Dichloroethane	8.40	62	140020	49.201	ug/l	100
43) Isopropyl Acetate	8.42	43	159339	48.193	ug/l	100
44) Trichloroethene	9.09	130	160782	50.057	ug/l	100
45) 1,2-Dichloropropane	9.37	63	133526	49.410	ug/l	100
46) Dibromomethane	9.46	93	65223	48.447	ug/l	100
47) Bromodichloromethane	9.65	83	167077	49.924	ug/l	100
48) Methyl methacrylate	9.43	41	78421	48.153	ug/l	100
49) 1,4-Dioxane	9.46	88	22361	945.924	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	411306	236.625	ug/l	100
52) Toluene	10.38	92	364250	50.223	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	173260	49.823	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	209597	49.750	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	97082	48.042	ug/l	100
56) Ethyl methacrylate	10.65	69	136539	50.167	ug/l	100
57) 1,3-Dichloropropane	10.93	76	168886	48.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	330332	257.262	ug/l	100
59) 2-Hexanone	10.97	43	299551	251.315	ug/l	100
60) Dibromochloromethane	11.13	129	117929	50.747	ug/l	100
61) 1,2-Dibromoethane	11.23	107	92140	47.938	ug/l	100
64) Tetrachloroethene	10.86	164	138827	49.438	ug/l	100
65) Chlorobenzene	11.66	112	378486	49.923	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	131455	49.916	ug/l	100
67) Ethyl Benzene	11.73	91	688520	49.688	ug/l	100
68) m/p-Xylenes	11.84	106	530145	100.553	ug/l	100
69) o-Xylene	12.16	106	241447	49.567	ug/l	100
70) Styrene	12.18	104	424871	50.799	ug/l	100
71) Bromoform	12.35	173	71511	49.493	ug/l	100
73) Isopropylbenzene	12.46	105	684975	49.807	ug/l	100
74) N-amyl acetate	12.27	43	147033	48.885	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	111287	47.476	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	71665m	46.475	ug/l	
77) Bromobenzene	12.74	156	158933	48.756	ug/l	100
78) n-propylbenzene	12.80	91	793298	49.884	ug/l	100
79) 2-Chlorotoluene	12.89	91	438178	49.180	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	568533	49.754	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37993	48.569	ug/l	100
82) 4-Chlorotoluene	12.99	91	457309	49.452	ug/l	100
83) tert-Butylbenzene	13.21	119	501813	49.449	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	560913	49.633	ug/l	100
85) sec-Butylbenzene	13.38	105	699120	49.860	ug/l	100
86) p-Isopropyltoluene	13.50	119	644117	49.998	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	305310	49.395	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	297416	49.118	ug/l	100
89) n-Butylbenzene	13.82	91	590403	50.732	ug/l	100
90) Hexachloroethane	14.09	117	108428	49.189	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	266379	48.811	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17368	46.476	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
Data File : VW013481.D
Acq On : 08 Oct 2019 11:45
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

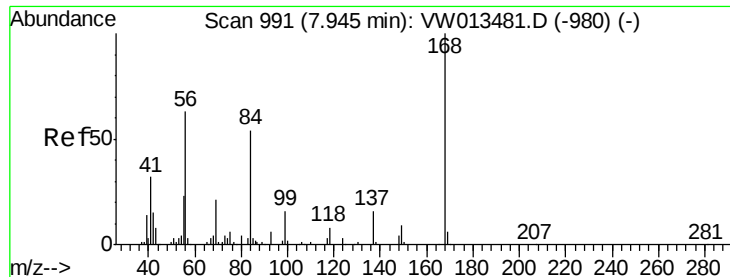
Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM

Quant Time: Oct 09 05:35:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:13:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	192744	49.974	ug/l	100
94) Hexachlorobutadiene	15.24	225	126369	49.303	ug/l	100
95) Naphthalene	15.36	128	330014	49.464	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	165052	48.938	ug/l	100

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



#1

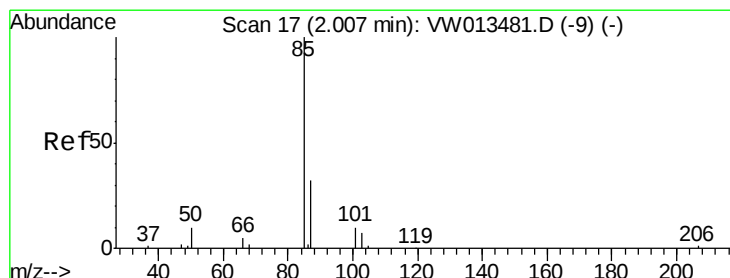
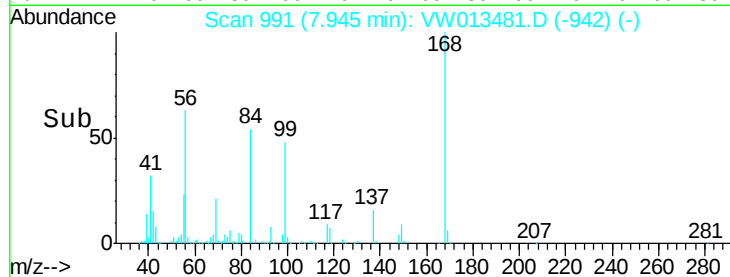
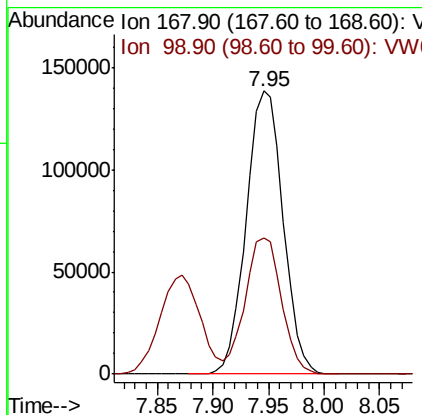
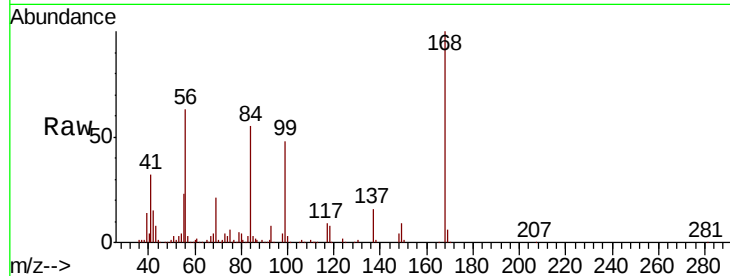
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.9	38.3	57.5

Manual Integrations
 APPROVED

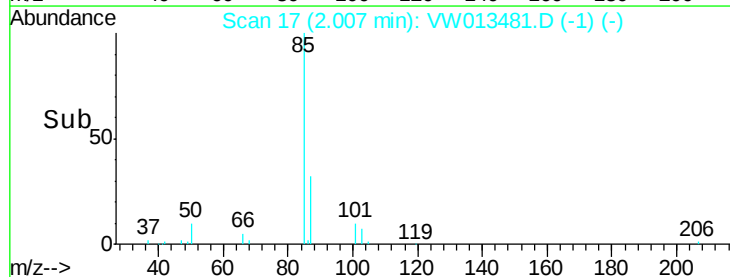
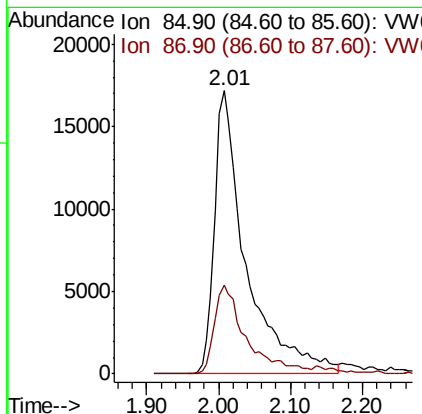
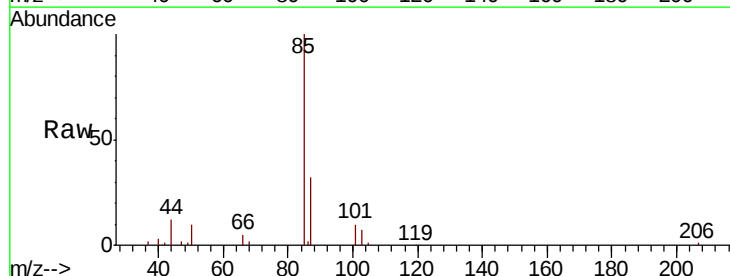
MMDadoda
 10/9/2019 4:08:47 PM

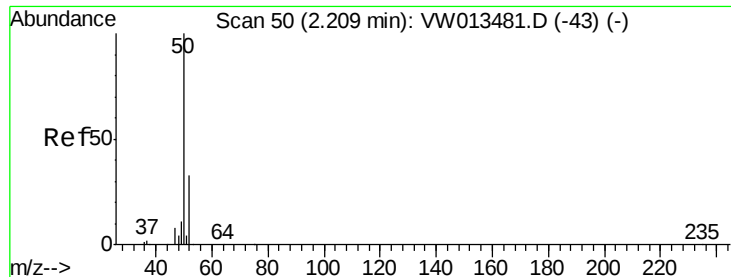


#2

Dichlorodifluoromethane
 Concen: 49.473 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3





#3

Chloromethane

Concen: 47.639 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 88557

Ion Ratio Lower Upper

50 100

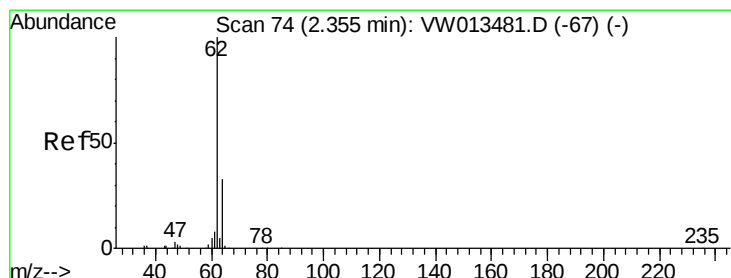
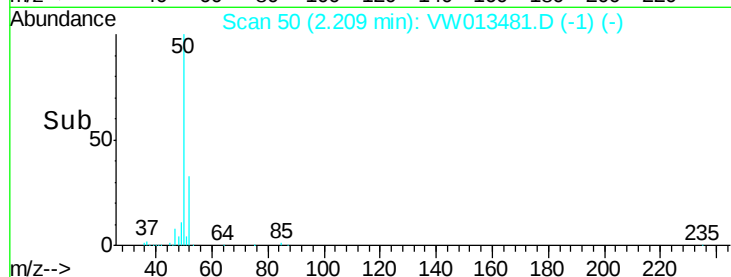
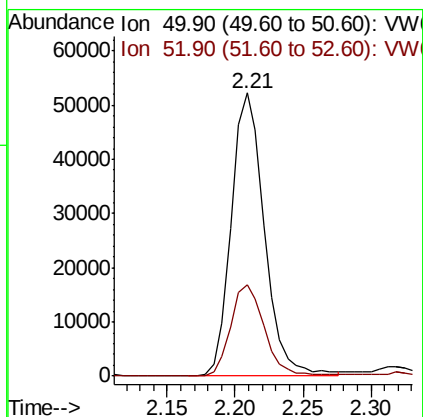
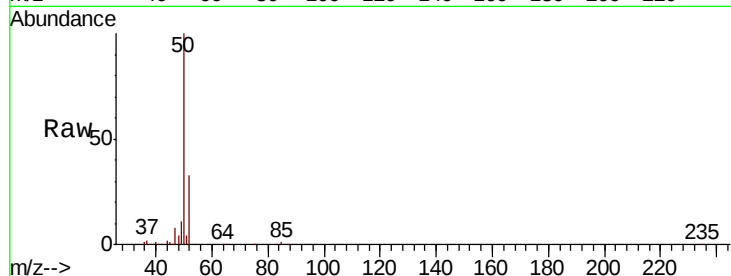
52 32.5 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM



#4

Vinyl Chloride

Concen: 49.496 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013481.D

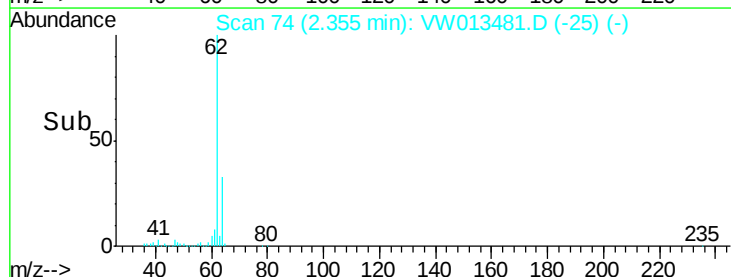
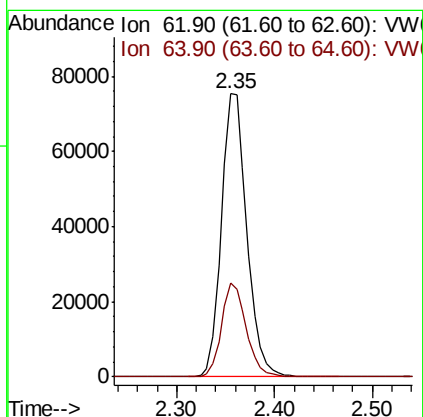
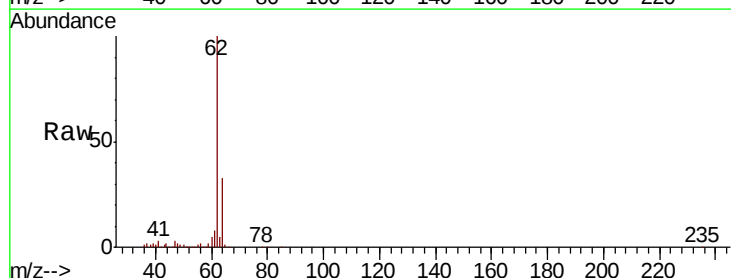
Acq: 08 Oct 2019 11:45

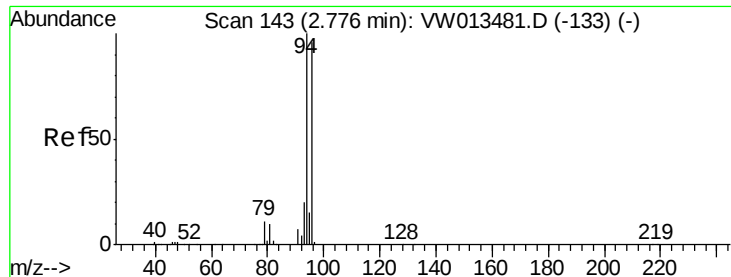
Tgt Ion: 62 Resp: 135717

Ion Ratio Lower Upper

62 100

64 33.2 26.6 39.8





#5

Bromomethane

Concen: 49.581 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 81117

Ion Ratio Lower Upper

94 100

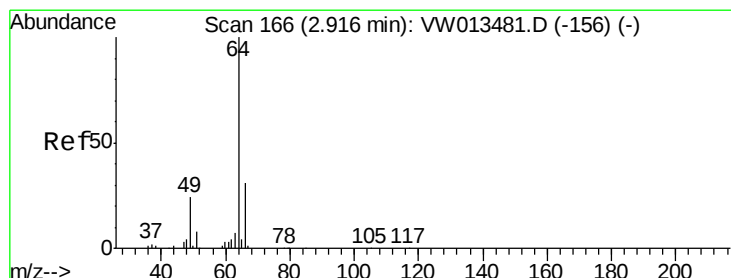
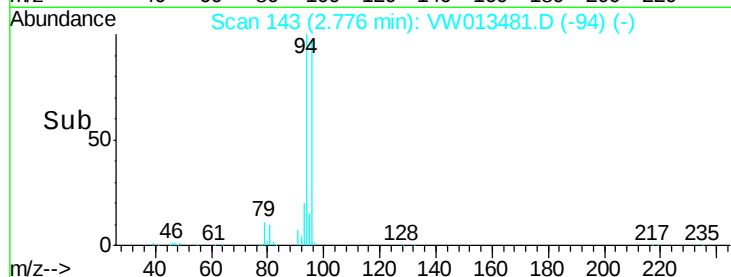
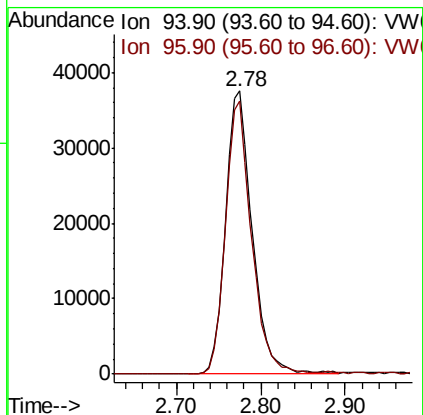
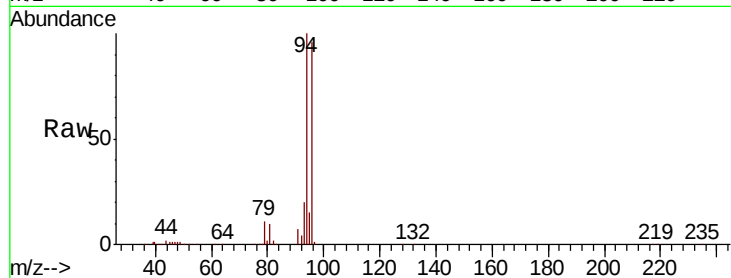
96 96.3 77.0 115.6

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM



#6

Chloroethane

Concen: 49.458 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013481.D

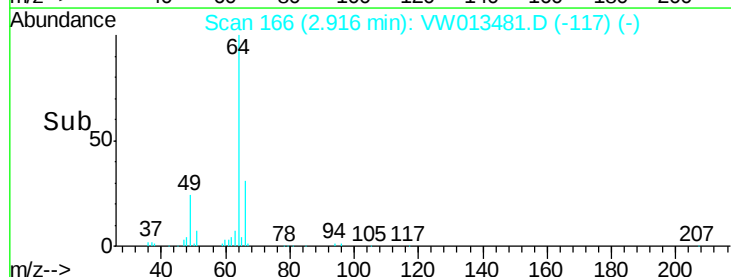
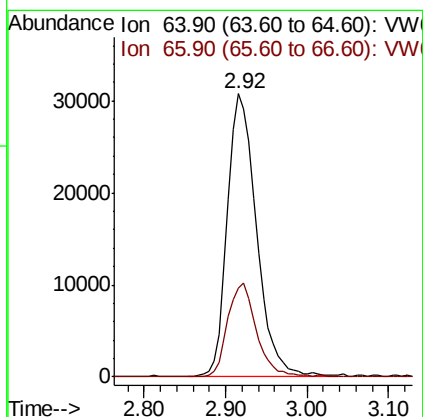
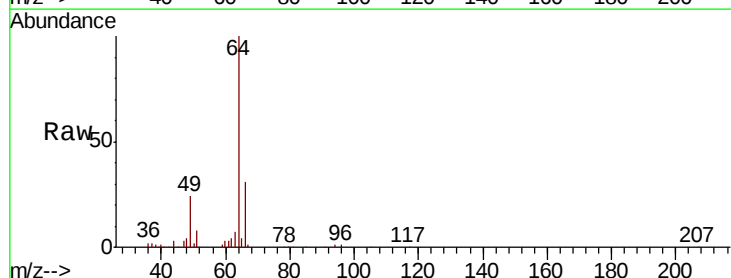
Acq: 08 Oct 2019 11:45

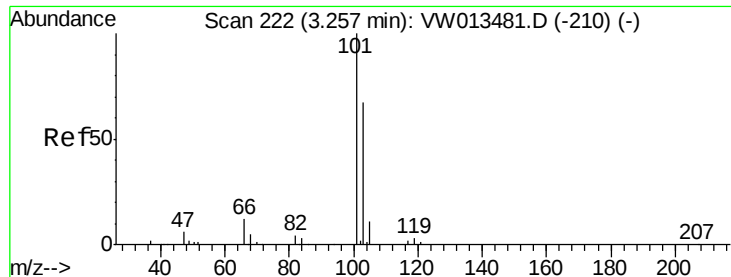
Tgt Ion: 64 Resp: 76158

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.4





#7

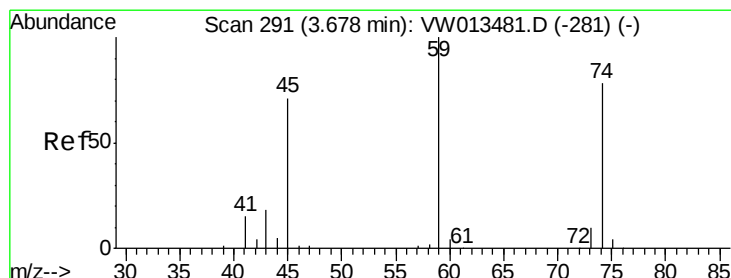
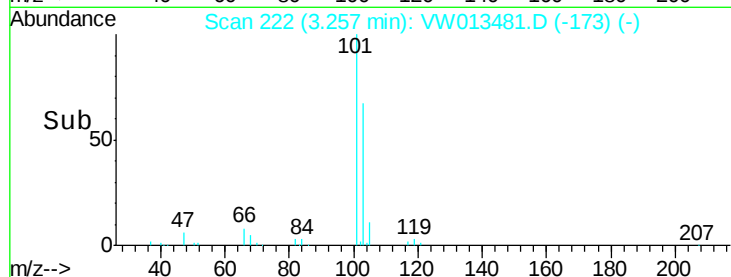
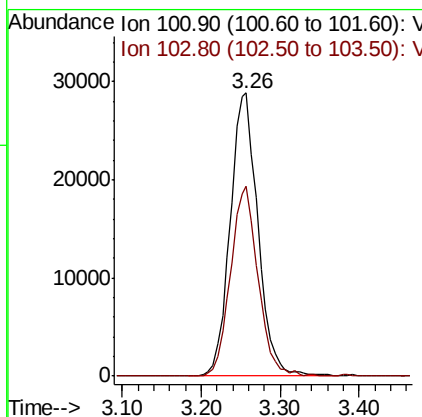
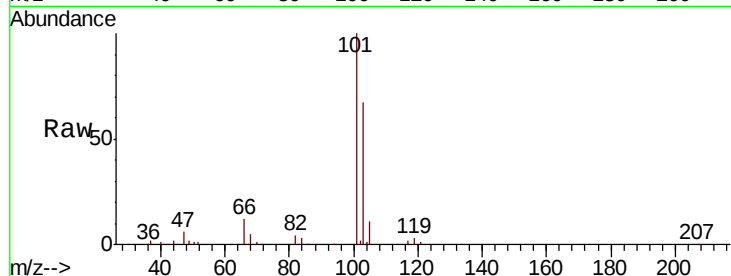
Trichlorofluoromethane
 Concen: 54.306 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	53.7	80.5

Manual Integrations
 APPROVED

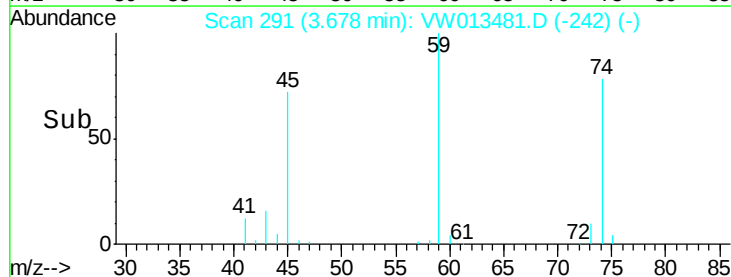
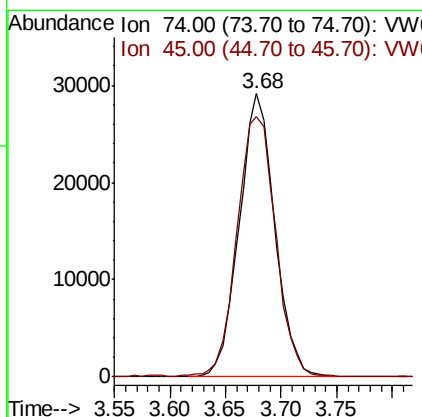
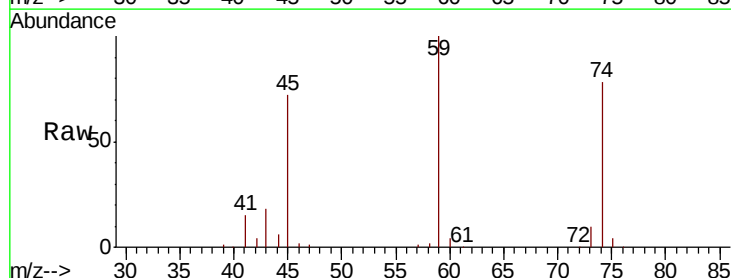
MMDadoda
 10/9/2019 4:08:47 PM

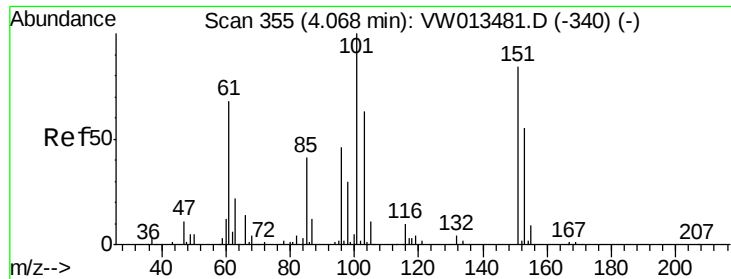


#8

Diethyl Ether
 Concen: 48.128 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	50.0	150.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.587 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

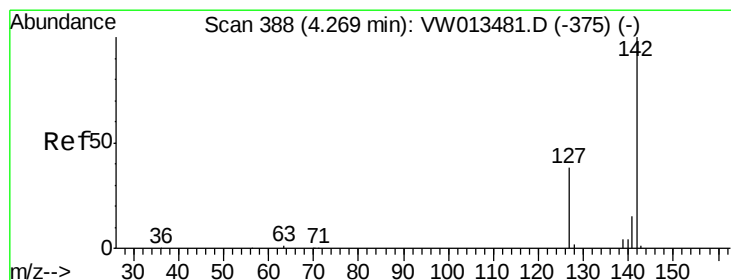
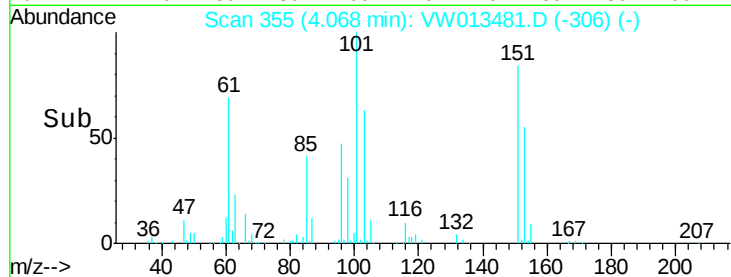
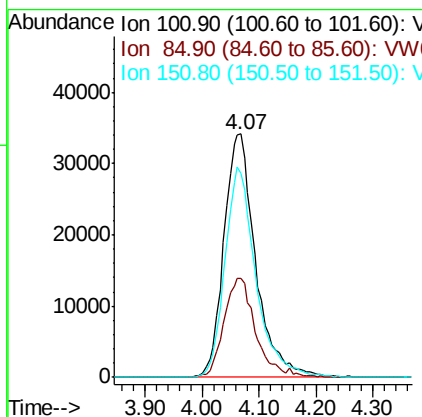
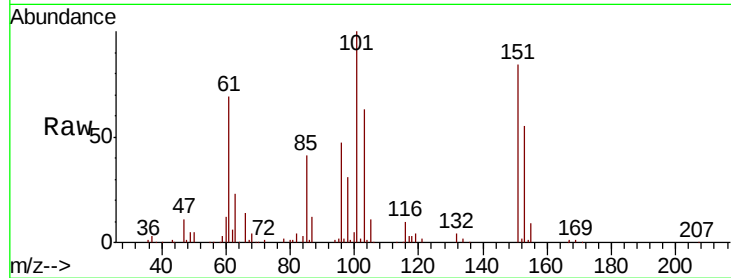
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	132586
Ion Ratio	Lower	Upper	
101	100		
85	39.5	31.6	47.4
151	84.4	67.5	101.3

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#10

Methyl Iodide

Concen: 49.661 ug/l

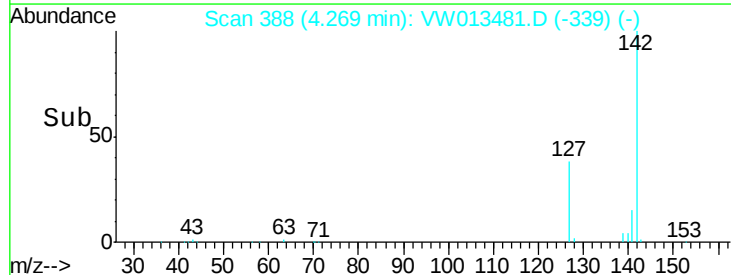
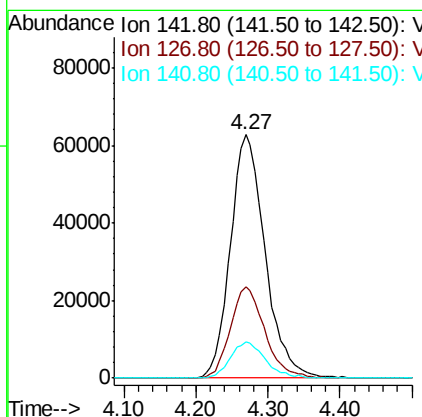
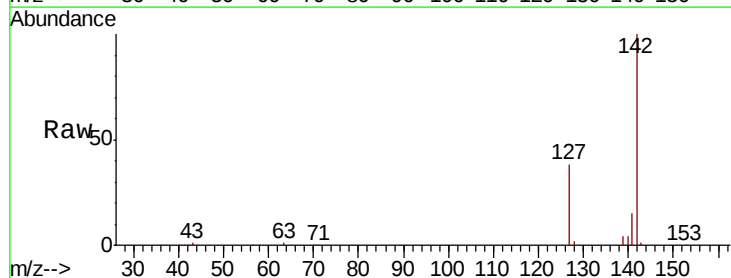
RT: 4.27 min Scan# 388

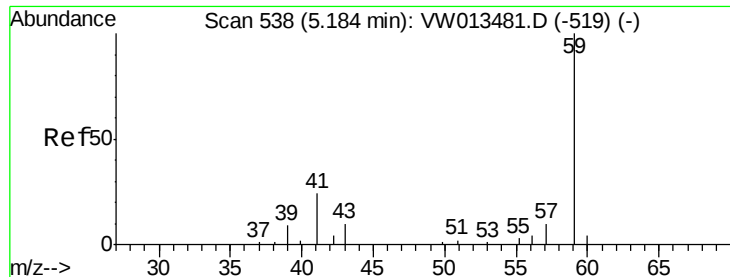
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion:	142	Resp:	210265
Ion Ratio	Lower	Upper	
142	100		
127	37.0	29.6	44.4
141	15.1	12.1	18.1





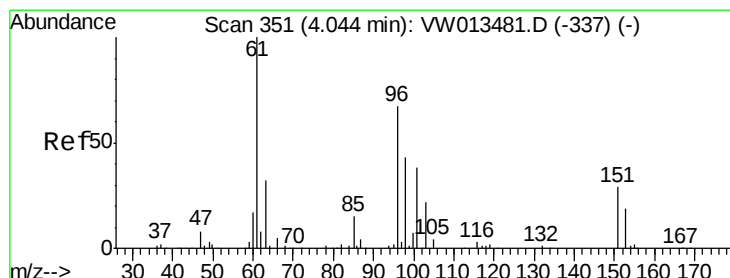
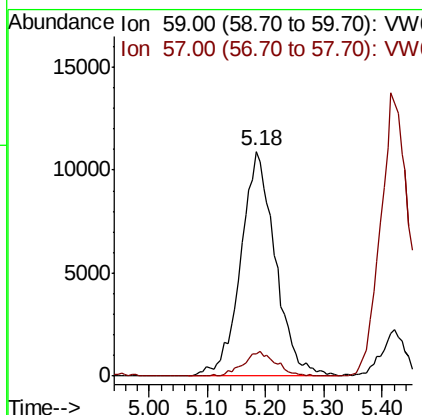
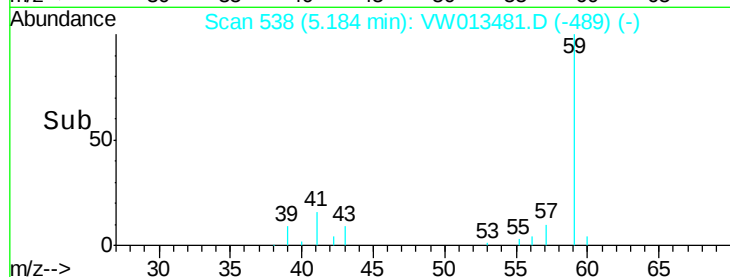
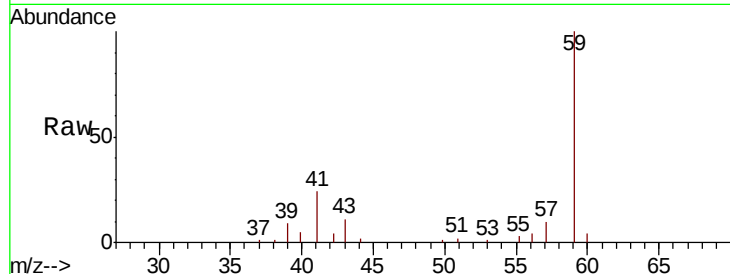
#11
Tert butyl alcohol
Concen: 238.689 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

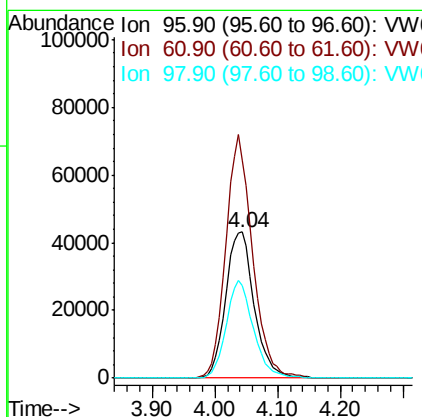
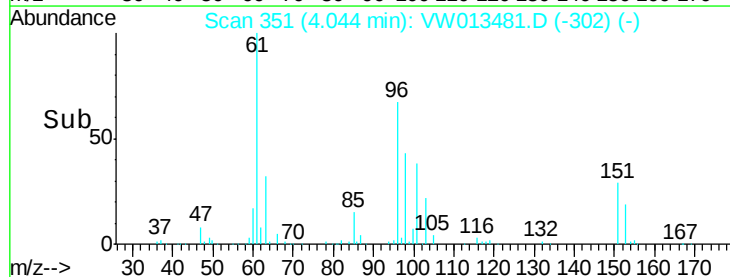
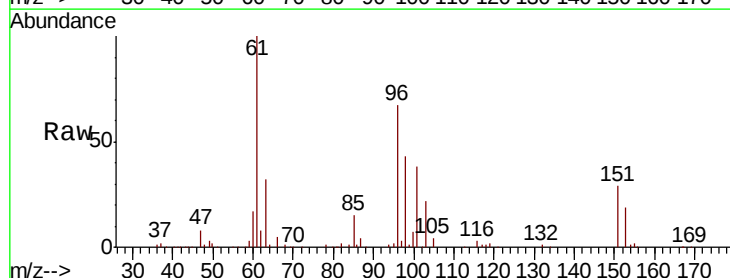
Manual Integrations
APPROVED

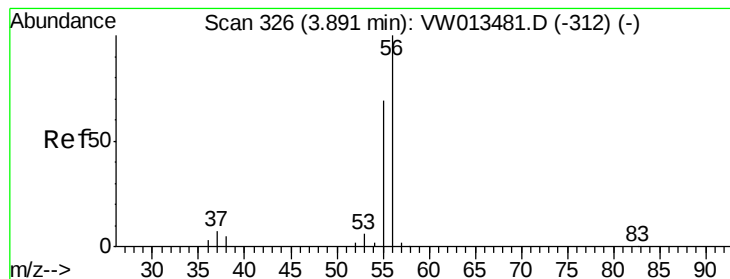
MMDadoda
10/9/2019 4:08:47 PM



#12
1,1-Dichloroethene
Concen: 49.163 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	119.4	179.0
98	63.9	51.1	76.7





#13

Acrolein

Concen: 272.748 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 54848

Ion Ratio Lower Upper

56 100

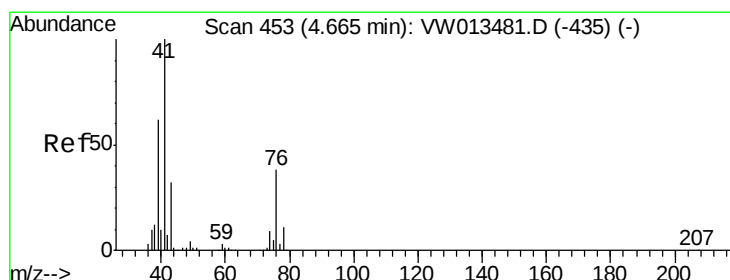
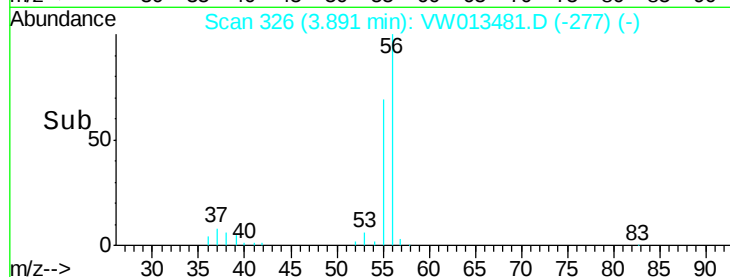
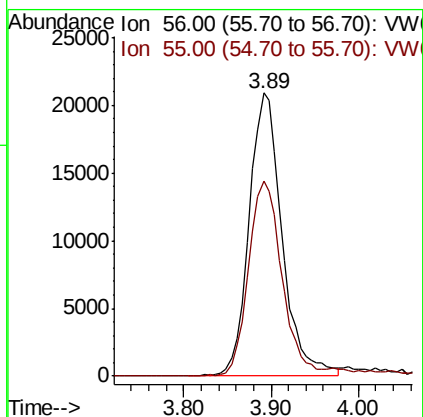
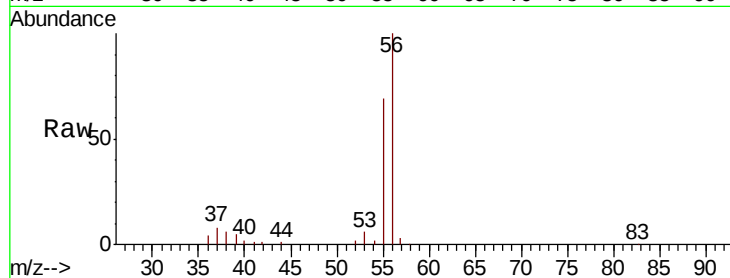
55 69.9 55.9 83.9

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM



#14

Allyl chloride

Concen: 49.254 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

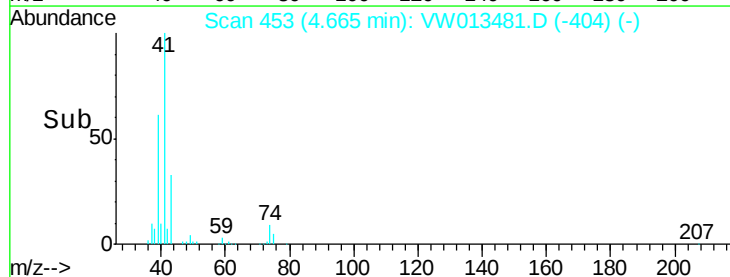
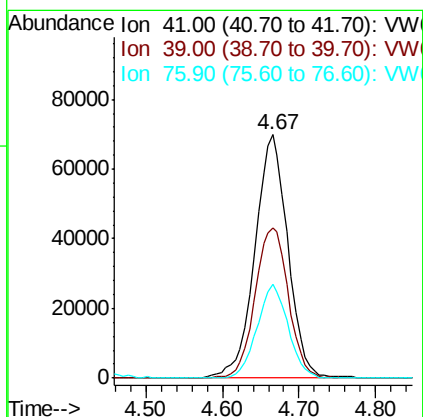
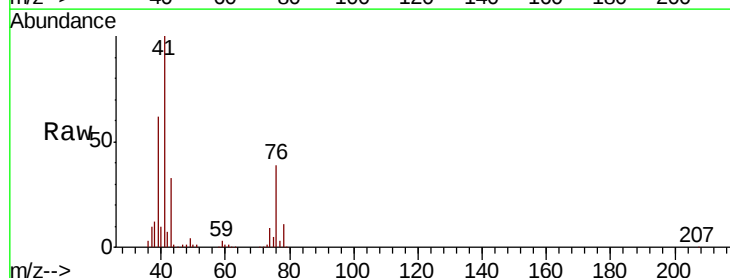
Tgt Ion: 41 Resp: 209742

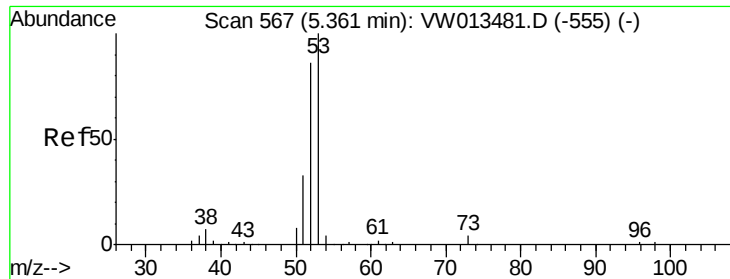
Ion Ratio Lower Upper

41 100

39 62.6 50.1 75.1

76 36.2 29.0 43.4





#15

Acrylonitrile

Concen: 233.948 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

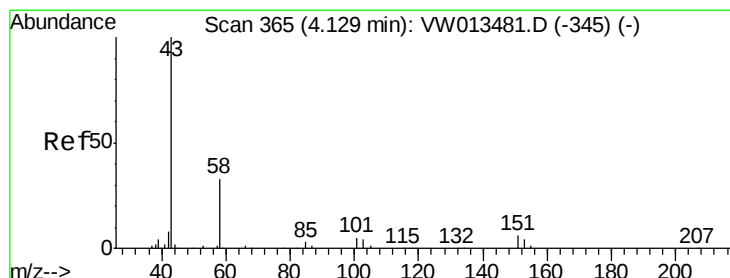
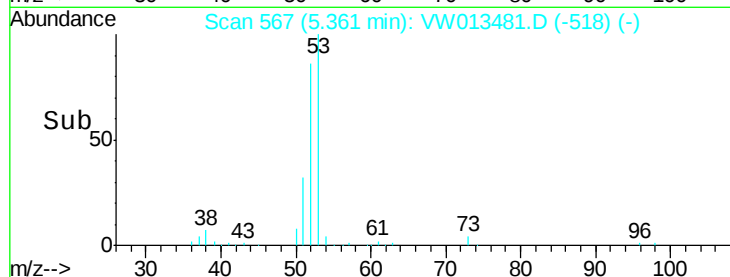
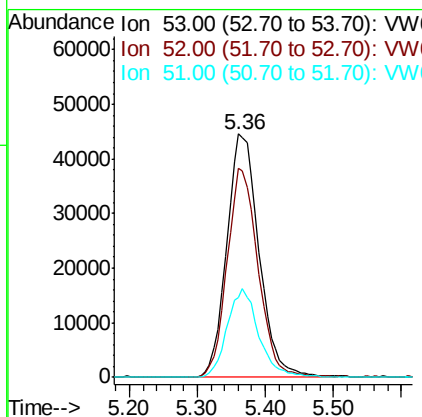
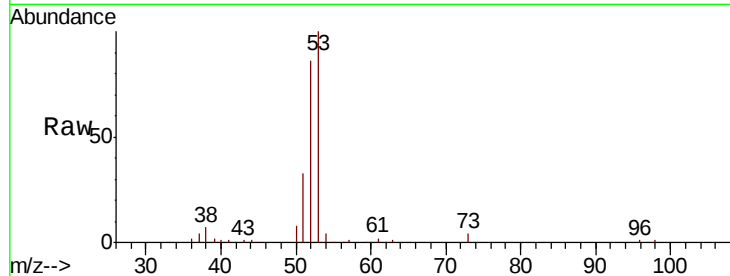
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	146826
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.7	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#16

Acetone

Concen: 247.940 ug/l

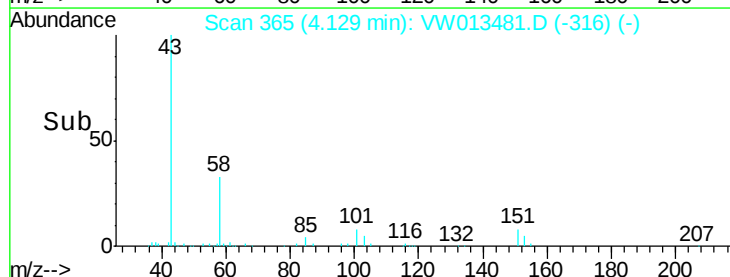
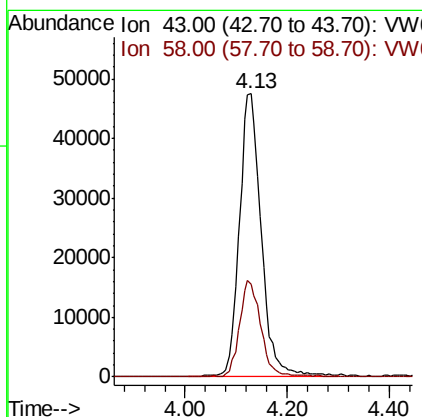
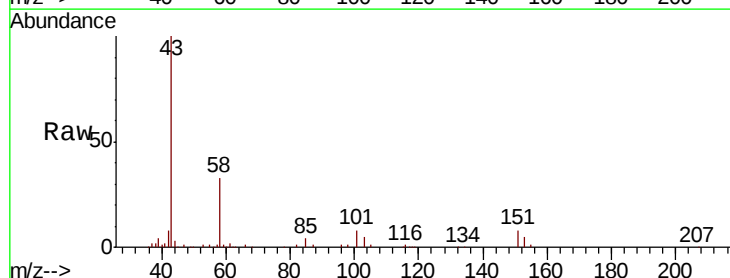
RT: 4.13 min Scan# 365

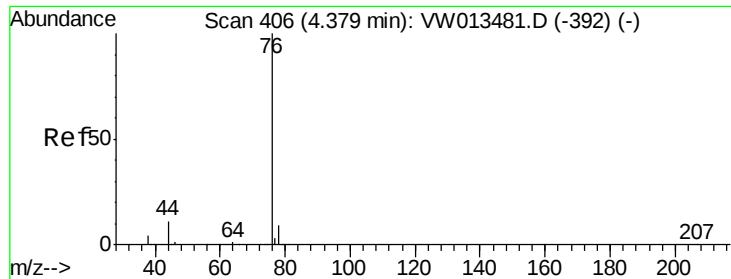
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion:	43	Resp:	142321
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.1	39.1





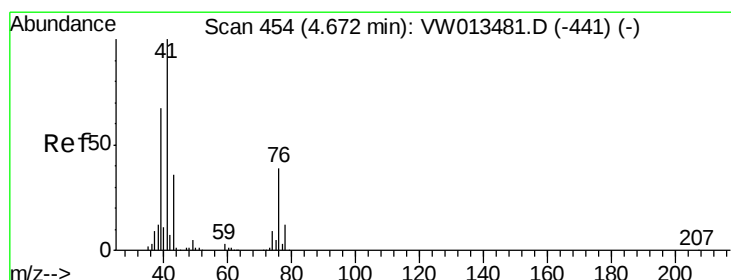
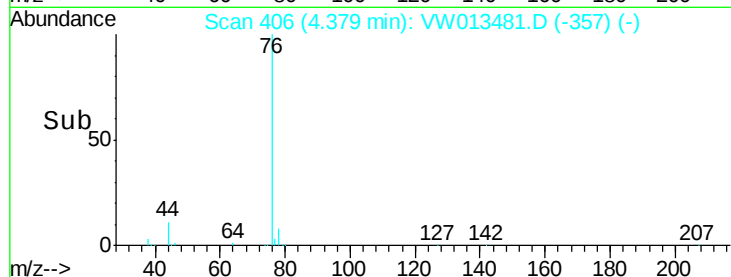
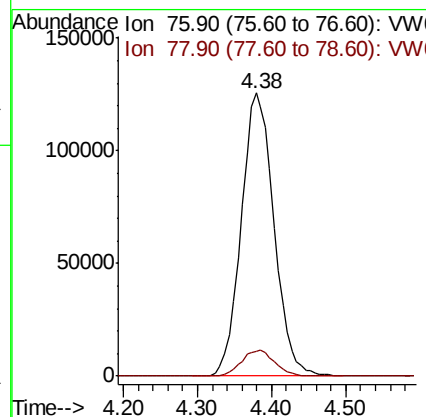
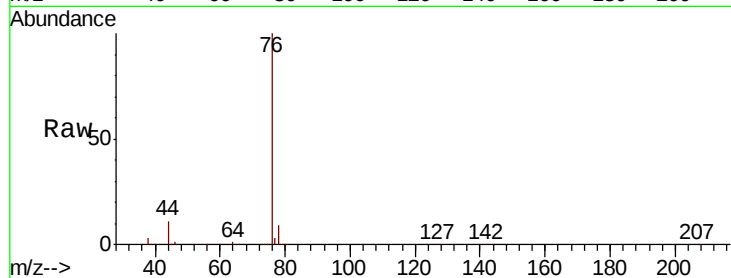
#17
Carbon Disulfide
Concen: 49.744 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.9	7.1	10.7	

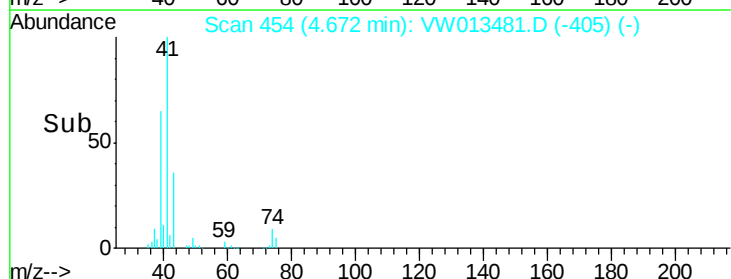
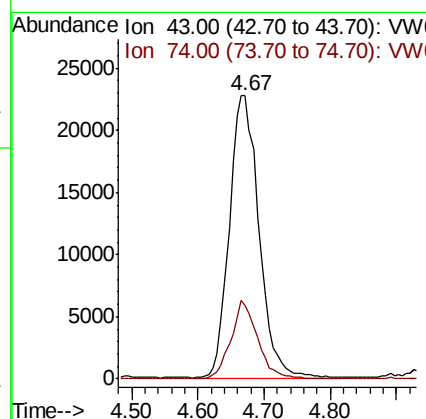
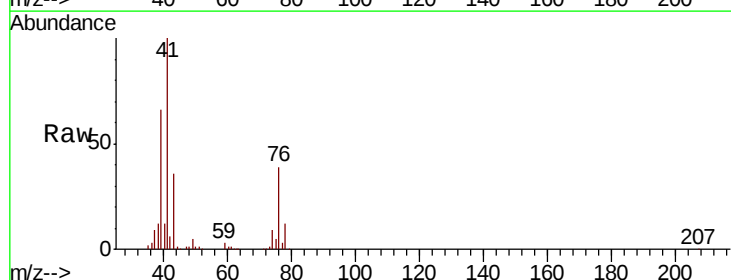
Manual Integrations
APPROVED

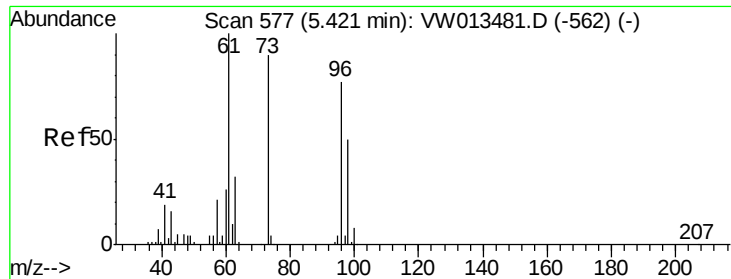
MMDadoda
10/9/2019 4:08:47 PM



#18
Methyl Acetate
Concen: 43.541 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	24.5	19.6	29.4	





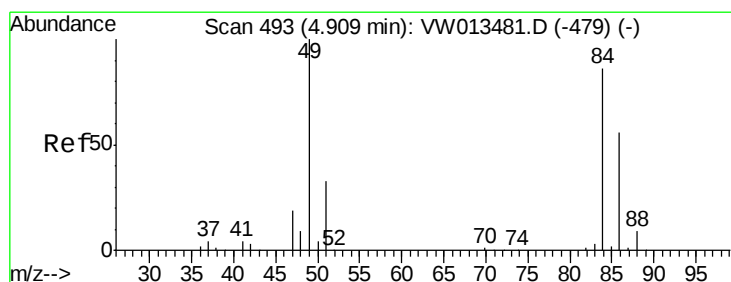
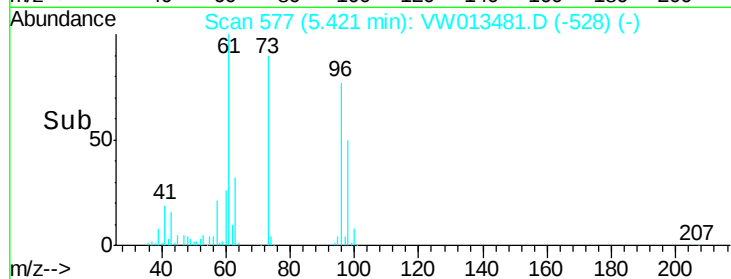
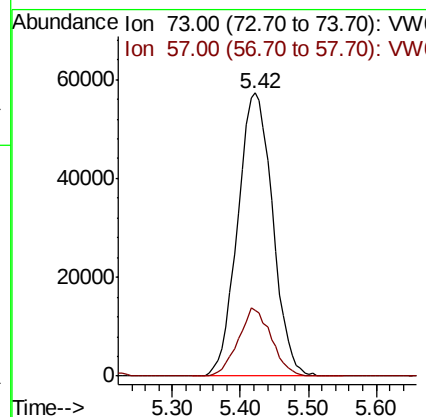
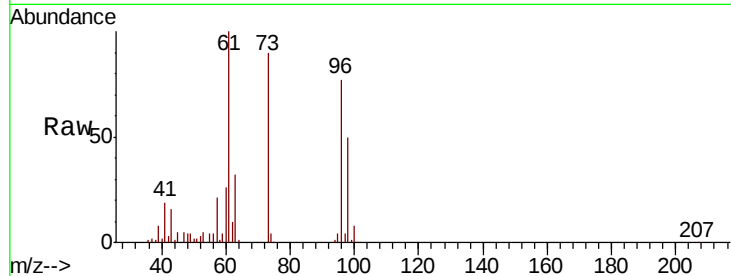
#19
Methyl tert-butyl Ether
Concen: 48.749 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 204262
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

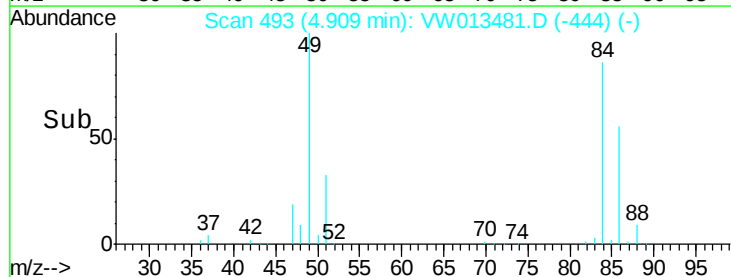
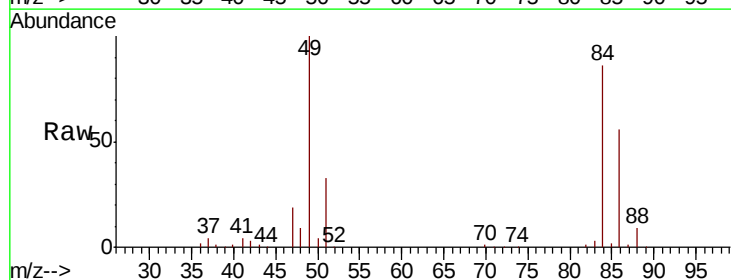
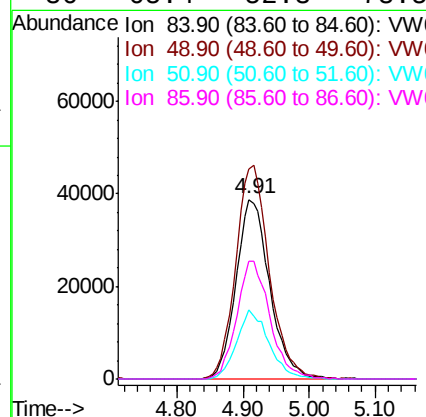
Manual Integrations
APPROVED

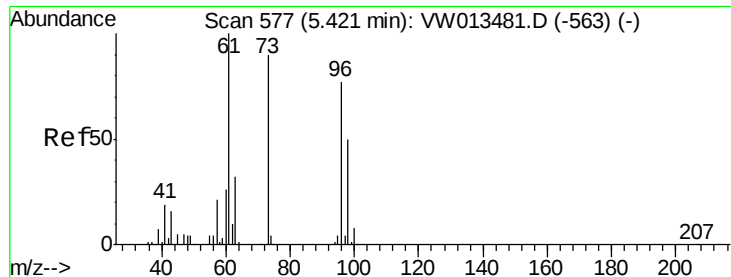
MMDadoda
10/9/2019 4:08:47 PM



#20
Methylene Chloride
Concen: 43.514 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion: 84 Resp: 137505
Ion Ratio Lower Upper
84 100
49 116.7 93.4 140.0
51 38.3 30.6 46.0
86 65.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 49.419 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

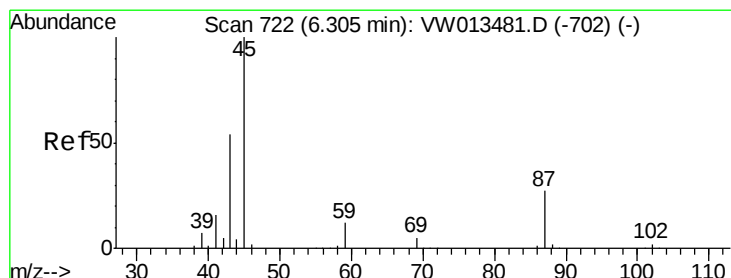
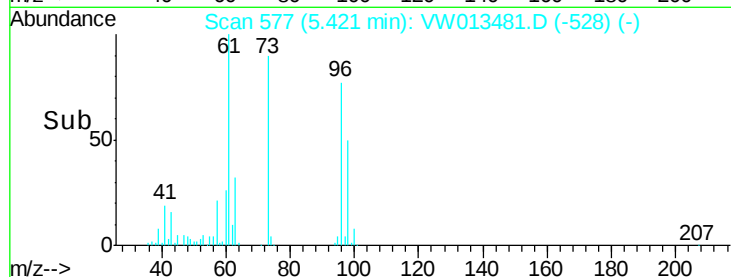
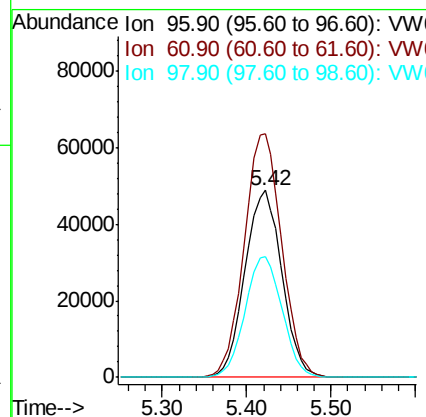
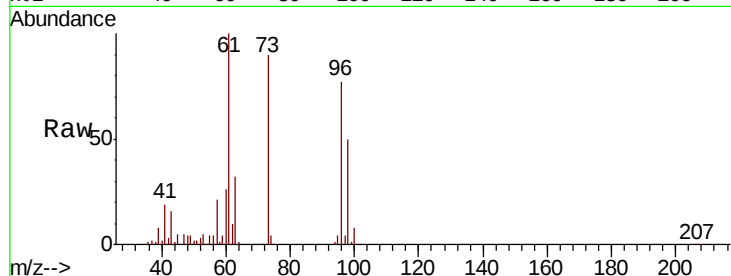
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	145512
Ion	Ratio	Lower	Upper
96	100		
61	130.4	104.3	156.5
98	64.8	51.8	77.8

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#22

Diisopropyl ether

Concen: 49.220 ug/l

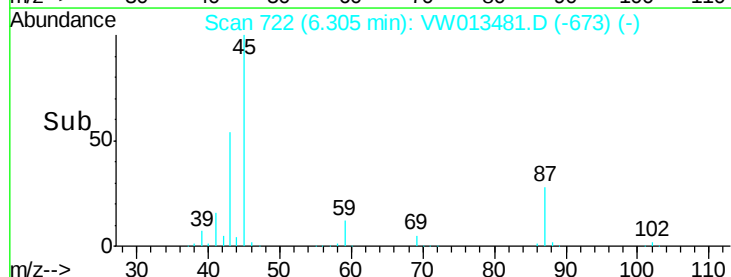
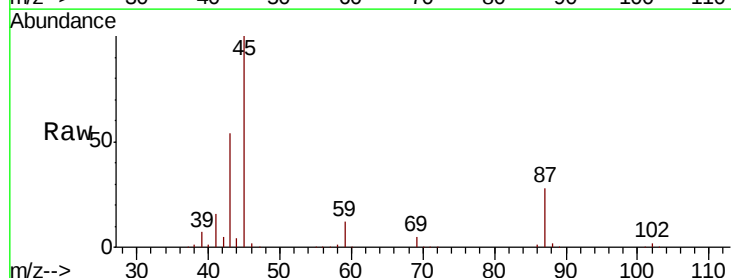
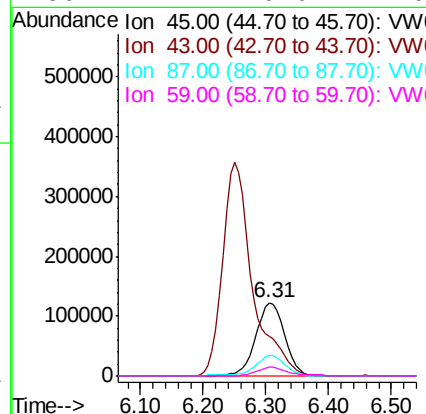
RT: 6.31 min Scan# 722

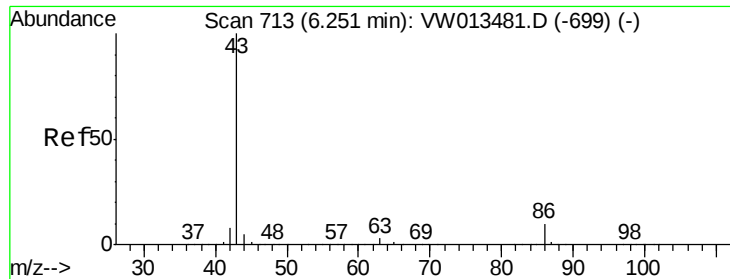
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion:	45	Resp:	392702
Ion	Ratio	Lower	Upper
45	100		
43	54.2	43.4	65.0
87	27.6	22.1	33.1
59	12.4	9.9	14.9





#23

Vinyl Acetate

Concen: 245.636 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1176610

Ion Ratio Lower Upper

43 100

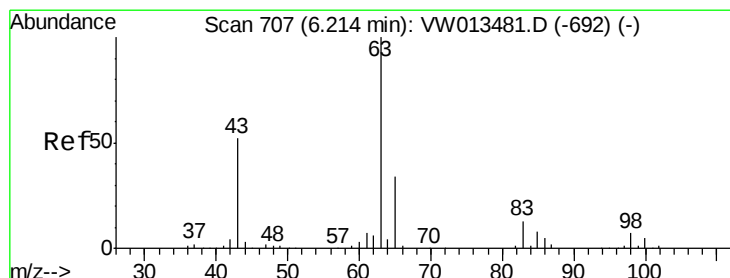
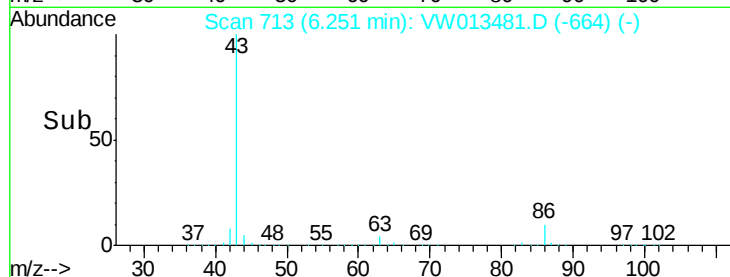
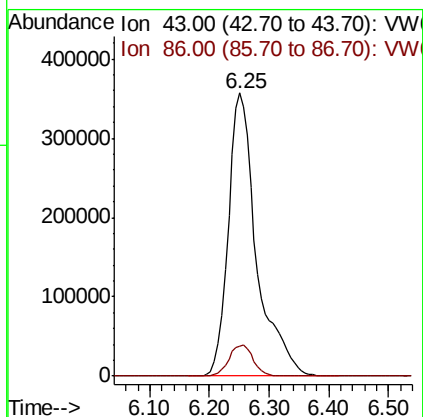
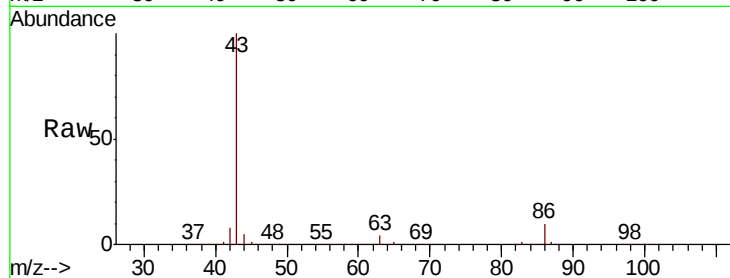
86 10.4 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM



#24

1,1-Dichloroethane

Concen: 48.619 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

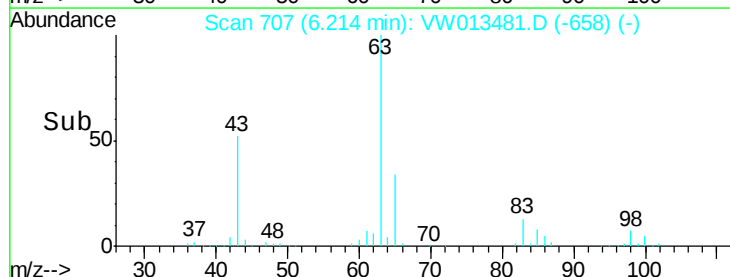
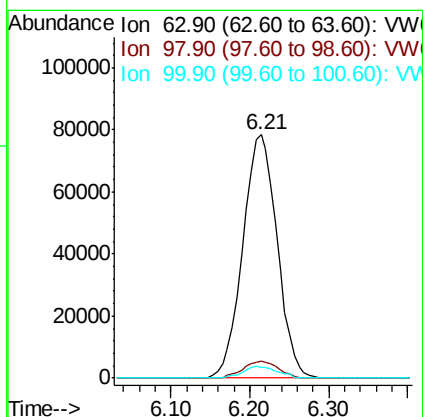
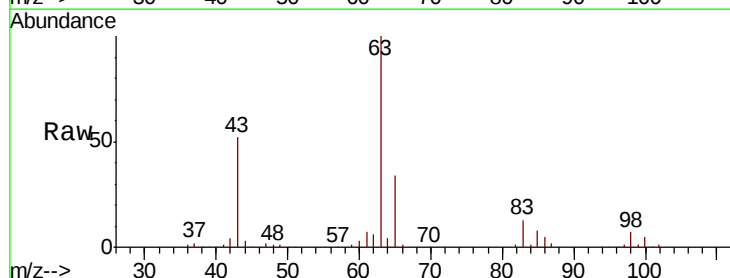
Tgt Ion: 63 Resp: 237094

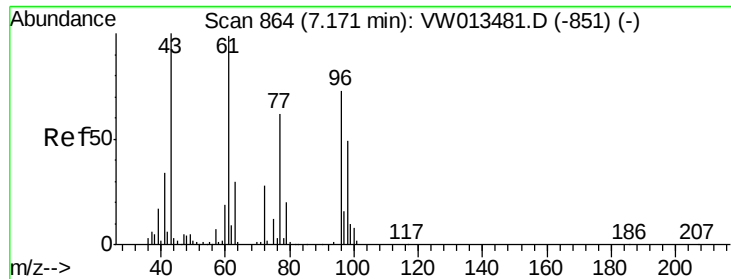
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 235.108 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 198891

Ion Ratio Lower Upper

43 100

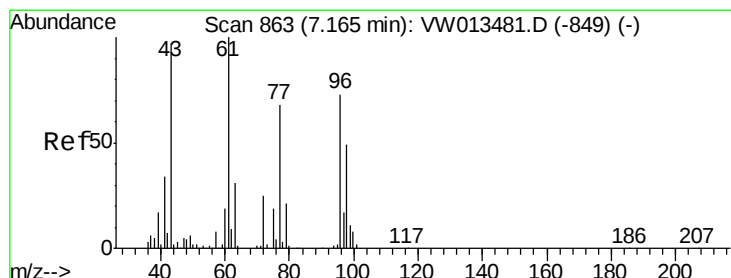
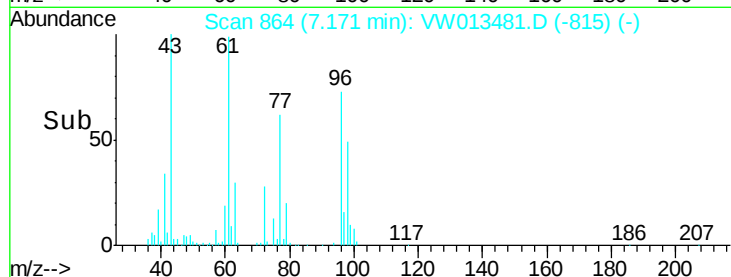
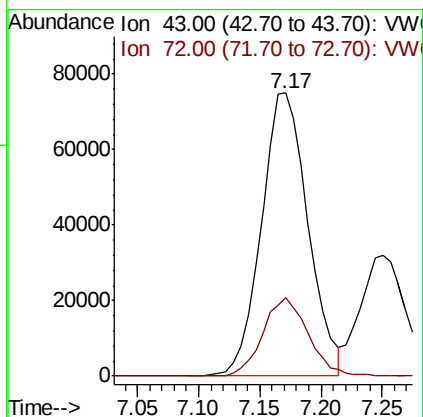
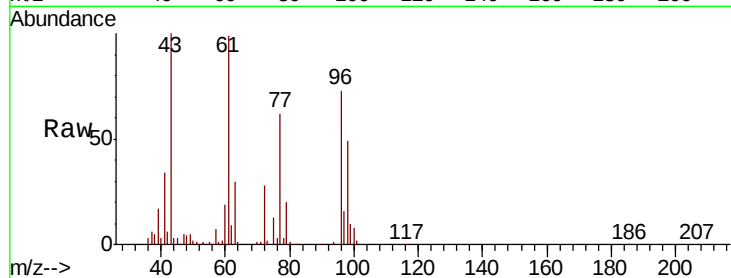
72 27.6 22.1 33.1

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM



#26

2,2-Dichloropropane

Concen: 47.869 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013481.D

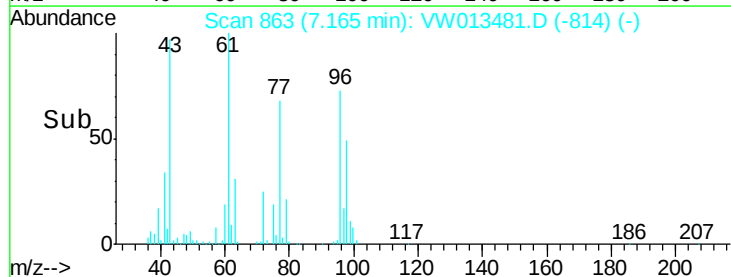
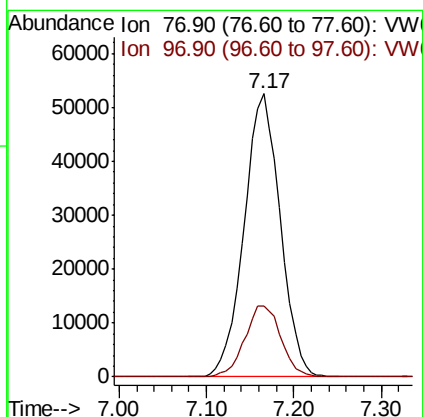
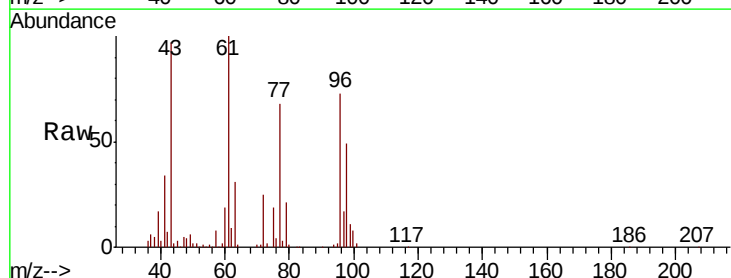
Acq: 08 Oct 2019 11:45

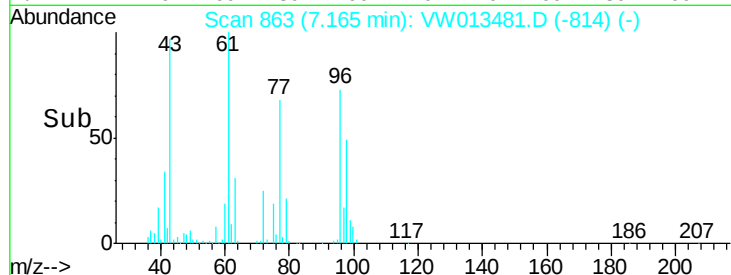
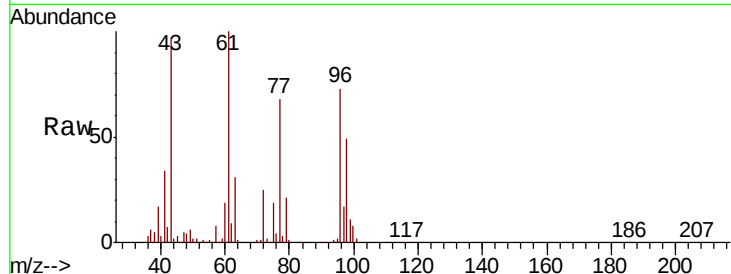
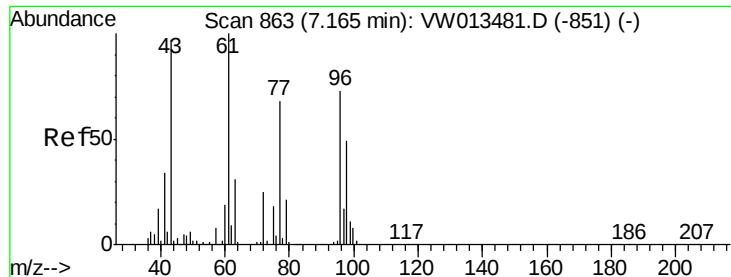
Tgt Ion: 77 Resp: 150488

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 49.111 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013481.D

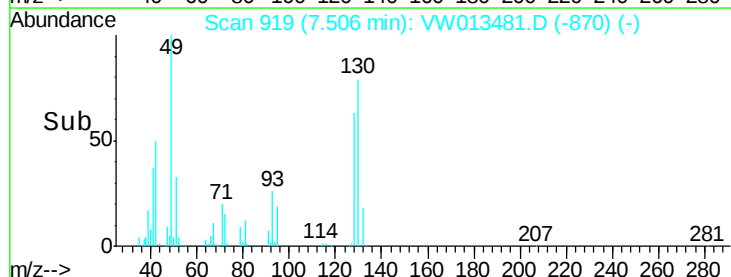
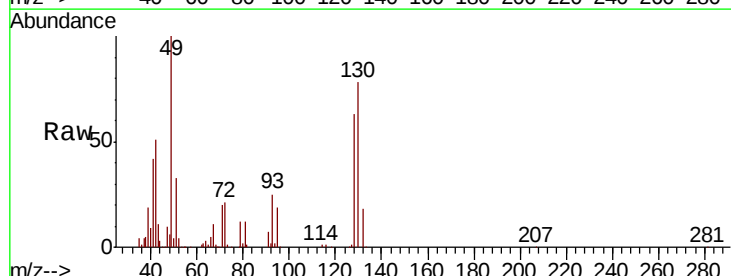
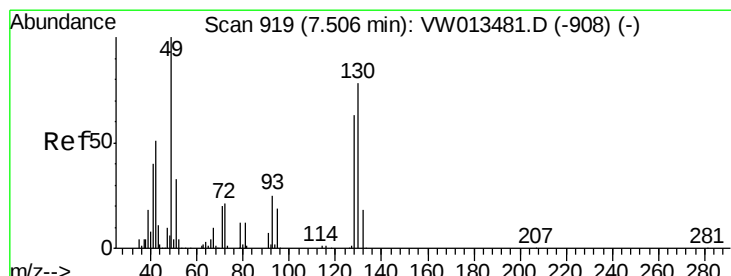
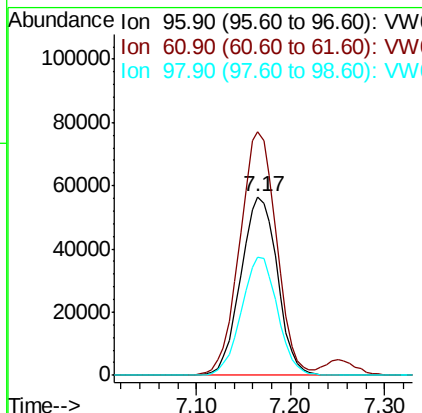
Acq: 08 Oct 2019 11:45

Tot Ion:	96	Resp:	153011
Ion Ratio	Lower	Upper	
96	100		
61	137.2	0.0	274.4
98	65.1	0.0	130.2

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#28

Bromochloromethane

Concen: 52.867 ug/l

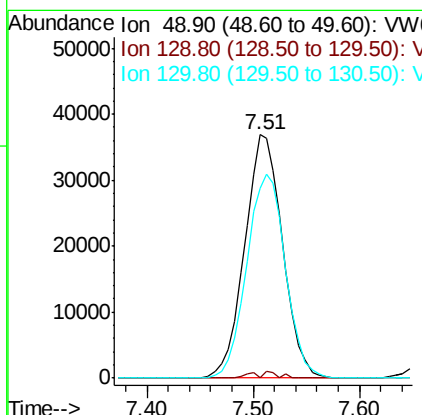
RT: 7.51 min Scan# 919

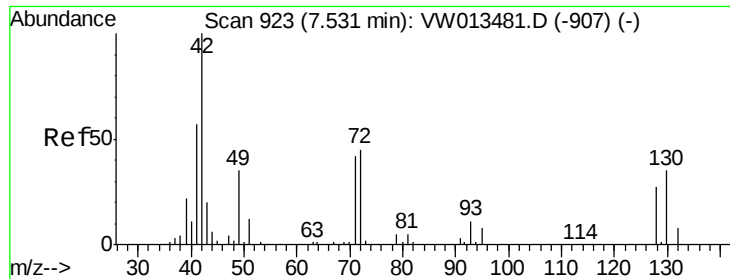
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion:	49	Resp:	91948
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	1.6
130	0.0	0.0	0.0





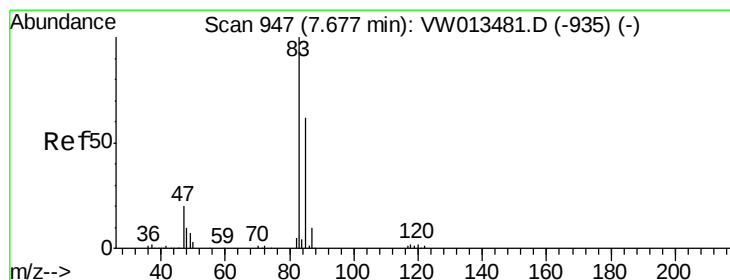
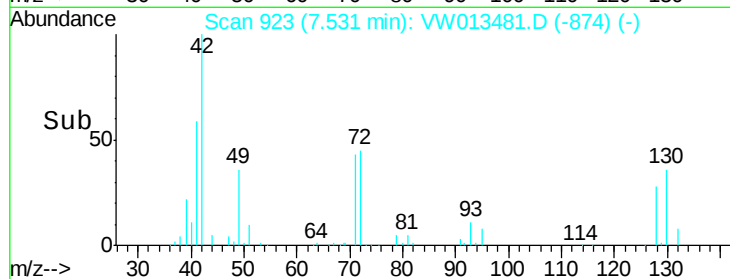
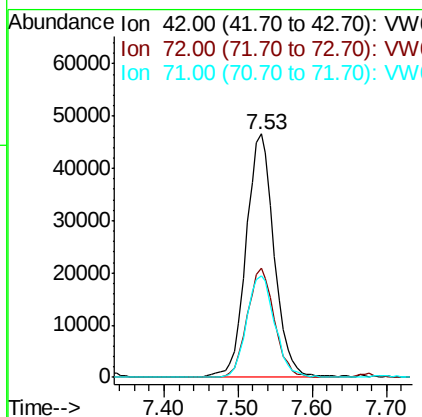
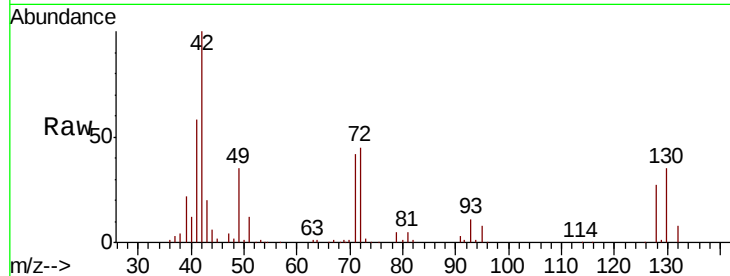
#29
Tetrahydrofuran
Concen: 237.514 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.8	52.2
71	42.0	33.6	50.4

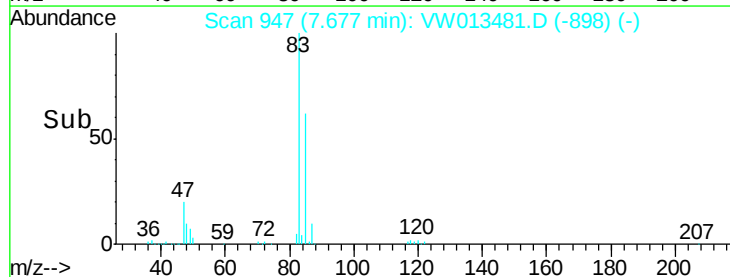
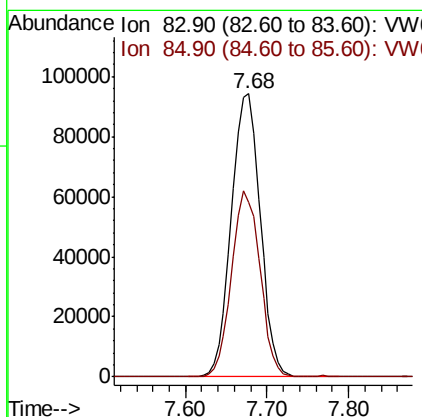
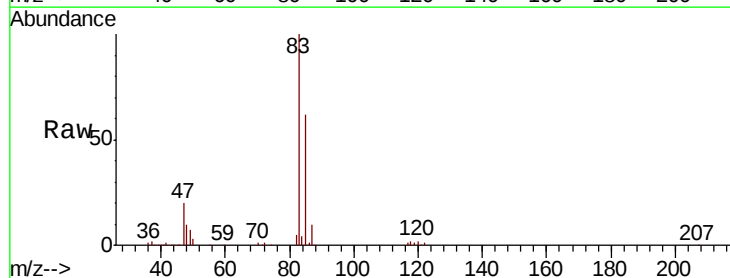
Manual Integrations
APPROVED

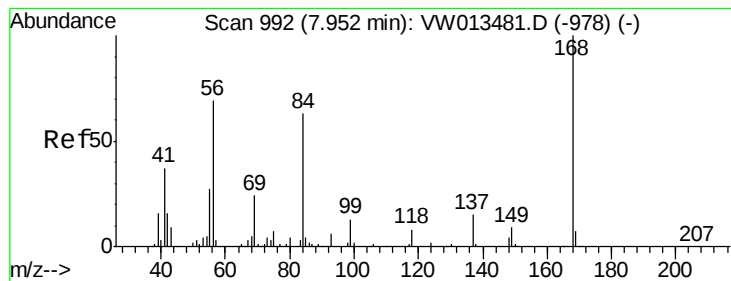
MMDadoda
10/9/2019 4:08:47 PM



#30
Chloroform
Concen: 48.994 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.4	74.2





#31

Cyclohexane

Concen: 46.949 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

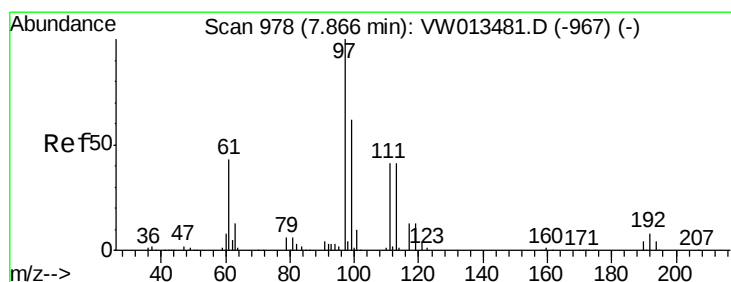
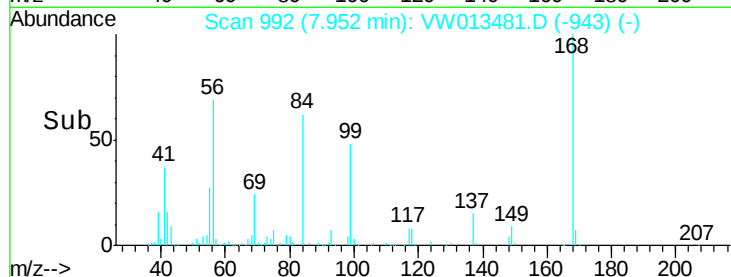
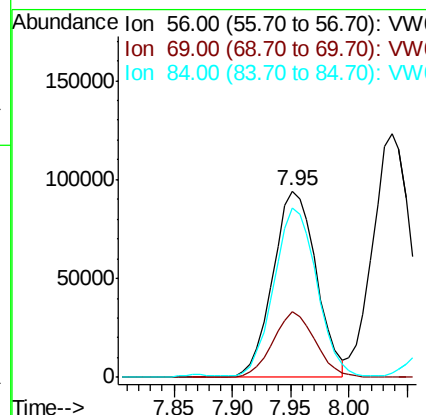
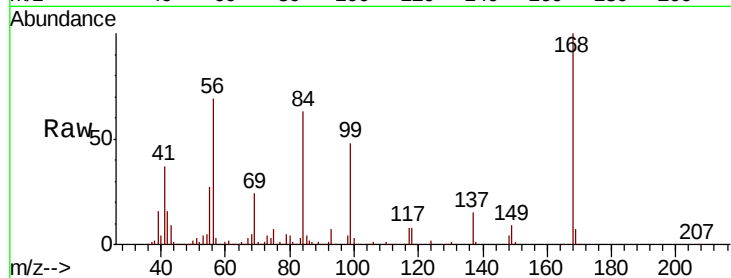
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	242326
Ion Ratio	Lower	Upper	
56	100		
69	35.0	28.0	42.0
84	89.7	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#32

1,1,1-Trichloroethane

Concen: 49.321 ug/l

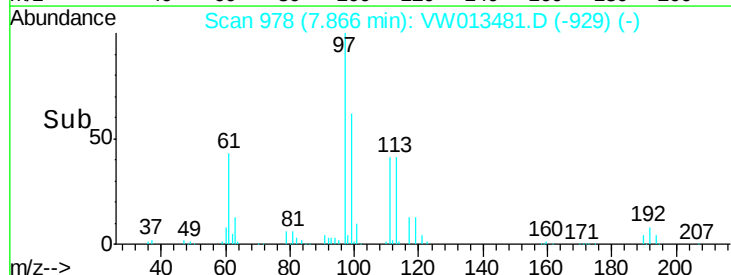
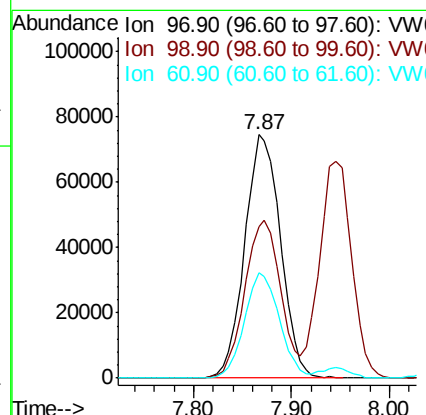
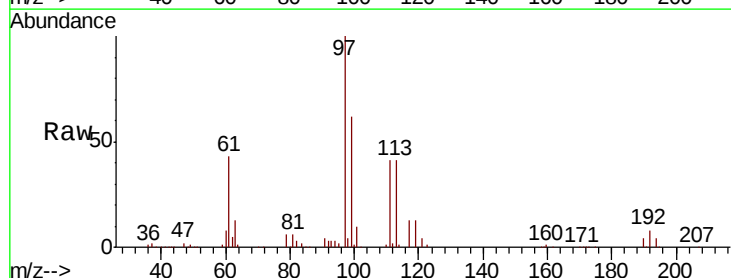
RT: 7.87 min Scan# 978

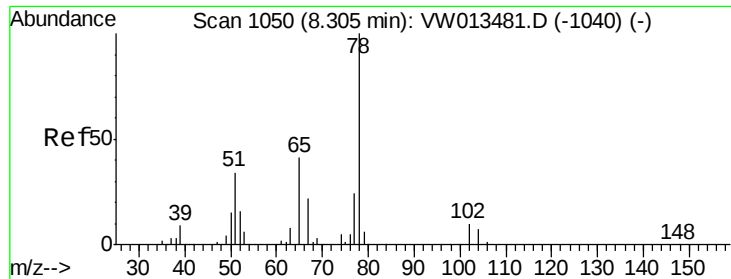
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion:	97	Resp:	189116
Ion Ratio	Lower	Upper	
97	100		
99	65.4	52.3	78.5
61	42.1	33.7	50.5





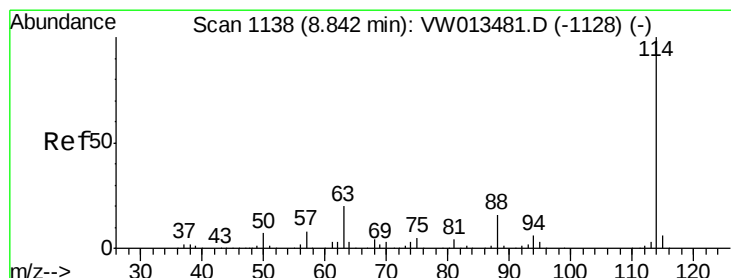
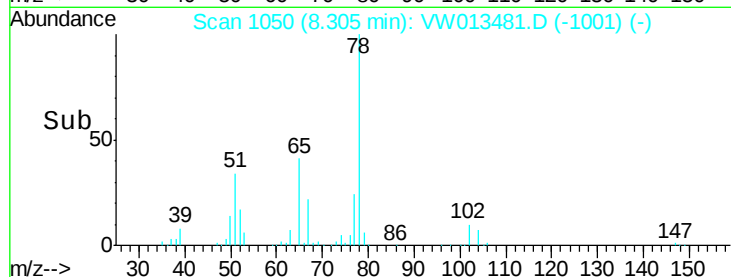
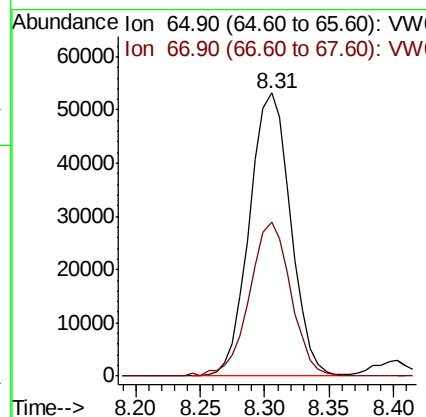
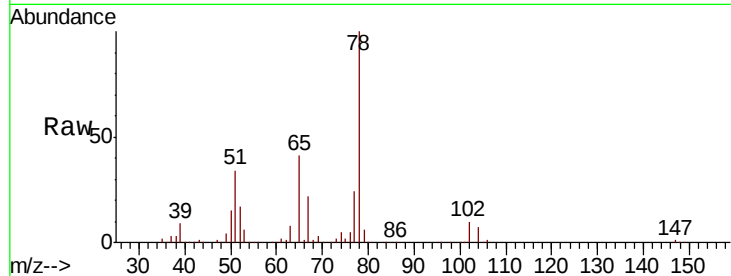
#33
 1,2-Dichloroethane-d4
 Concen: 47.736 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117749		
67	54.7	0.0	109.4	

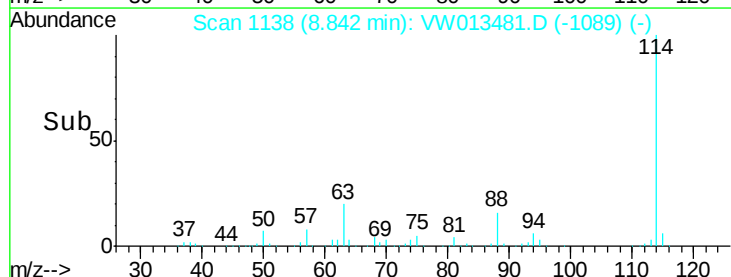
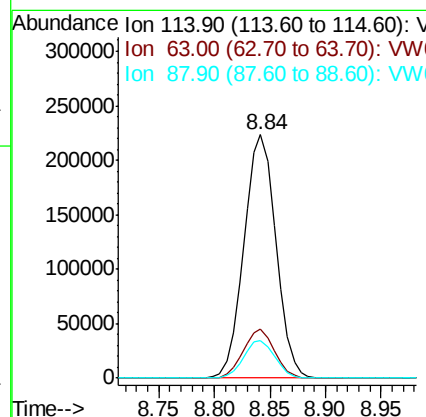
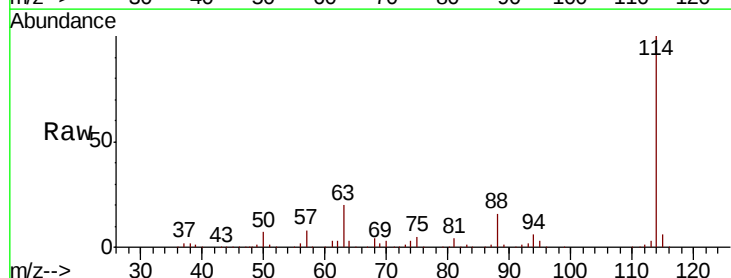
Manual Integrations
 APPROVED

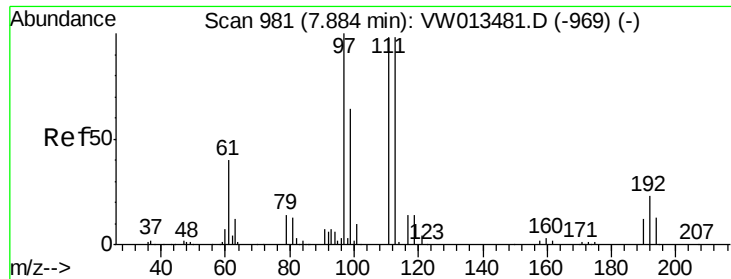
MMDadoda
 10/9/2019 4:08:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445869		
63	20.2	0.0	40.4	
88	15.7	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.070 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

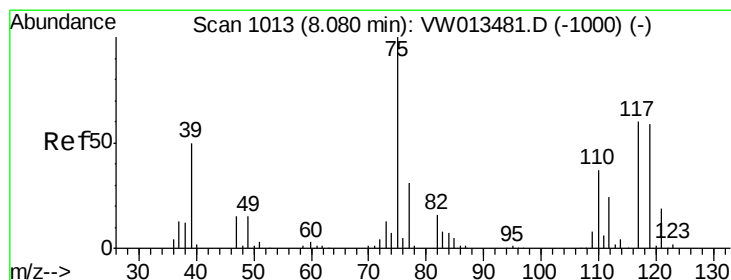
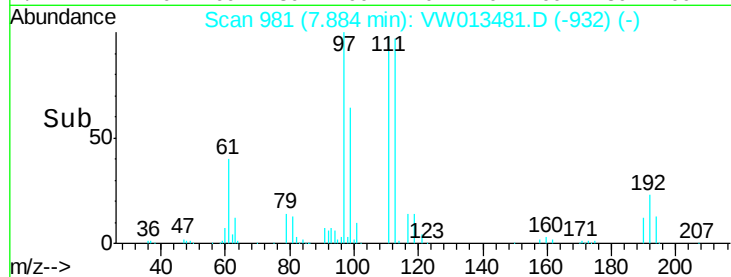
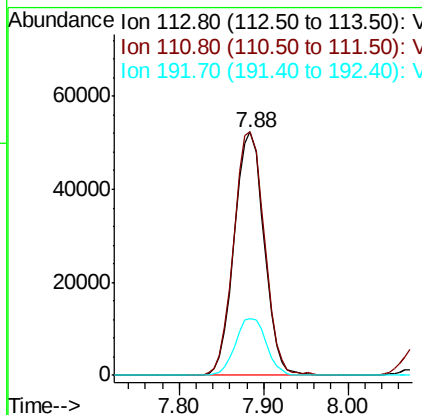
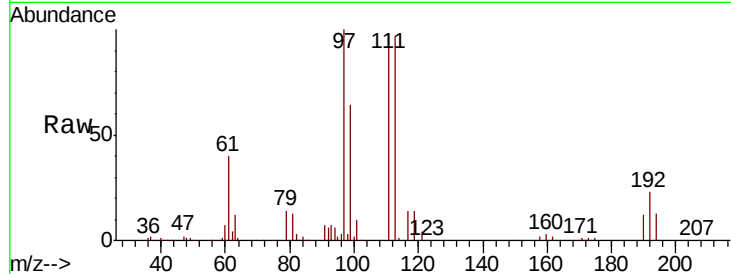
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	124687
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.3	123.5
192	24.1	19.3	28.9

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#36

1,1-Dichloropropene

Concen: 49.640 ug/l

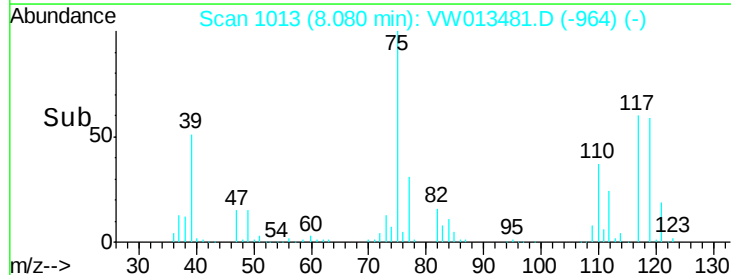
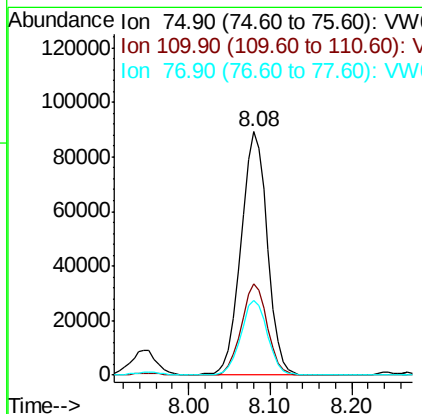
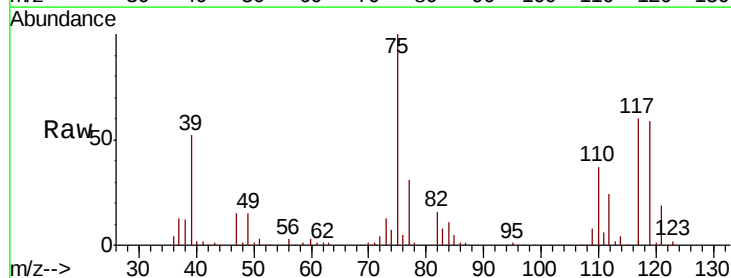
RT: 8.08 min Scan# 1013

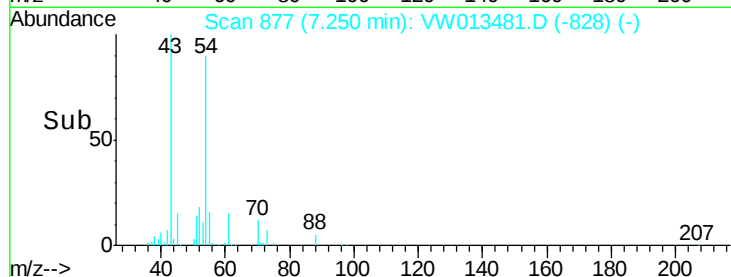
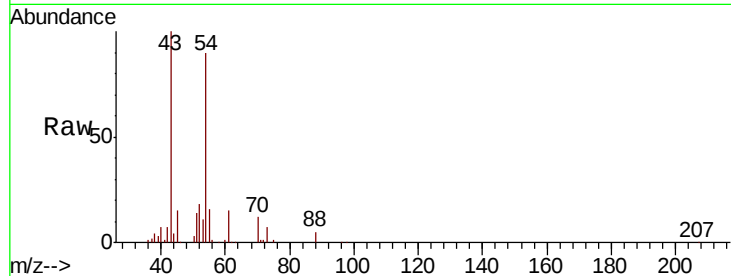
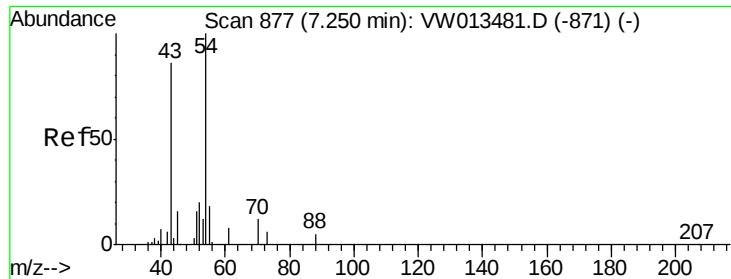
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion:	75	Resp:	200220
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.4	55.2
77	31.2	25.0	37.4





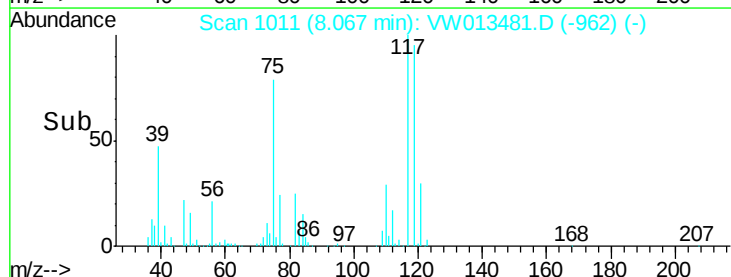
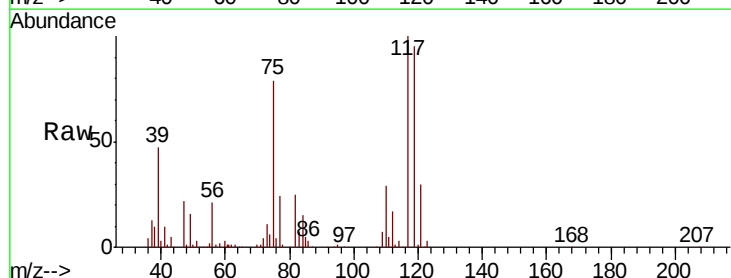
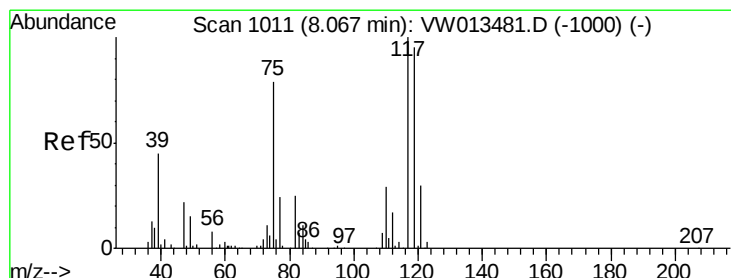
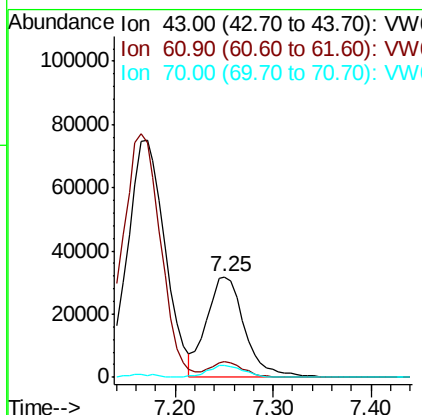
#37
Ethyl Acetate
Concen: 46.549 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	11.5	9.2	13.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

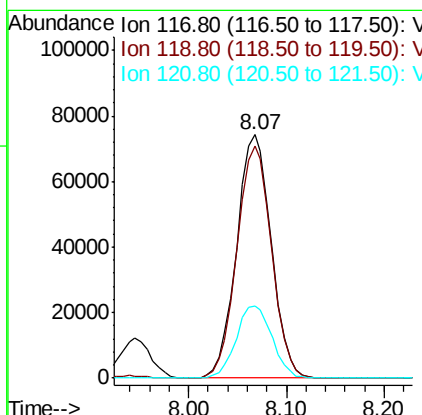
Manual Integrations
APPROVED

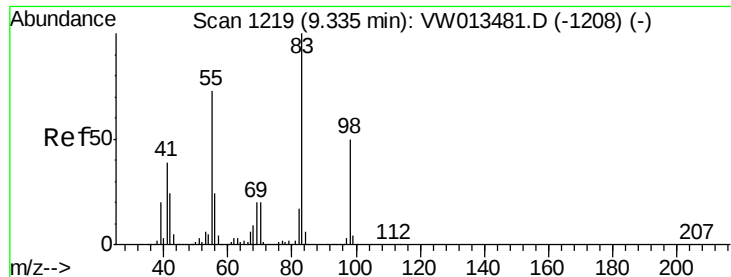
MMDadoda
10/9/2019 4:08:47 PM



#38
Carbon Tetrachloride
Concen: 50.908 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.3	114.5
121	29.5	23.6	35.4





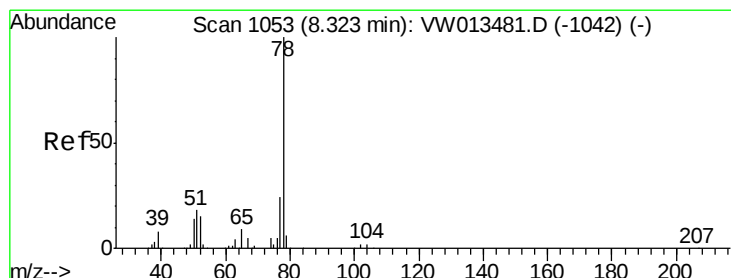
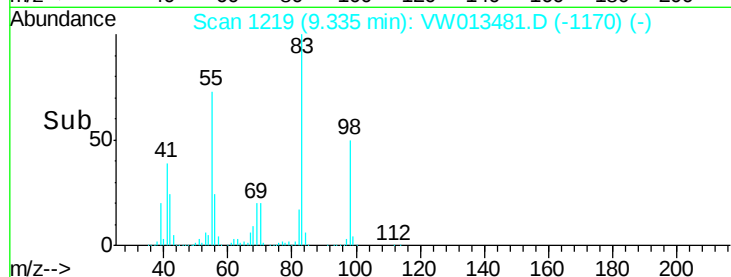
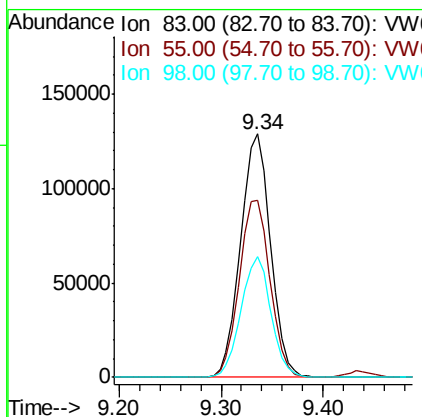
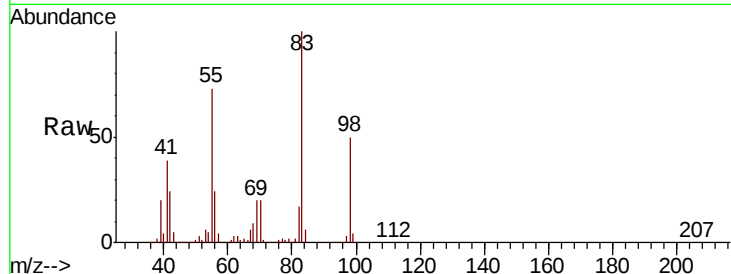
#39
Methvlcvclohexane
Concen: 50.396 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	58.2	87.4
98	49.7	39.8	59.6

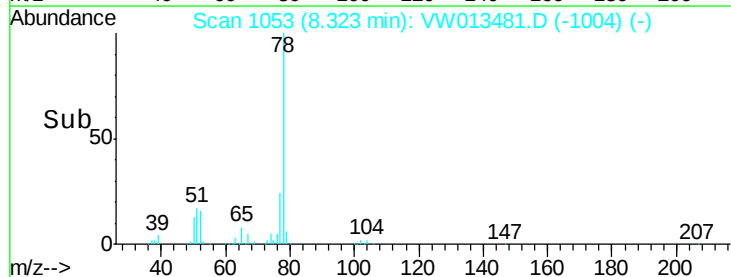
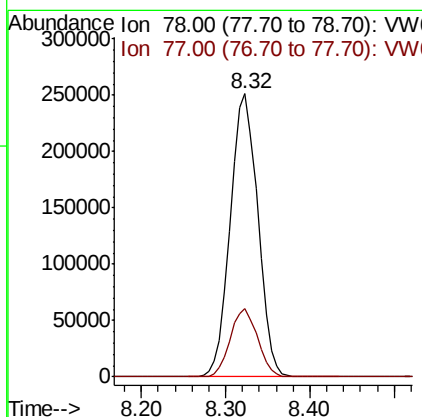
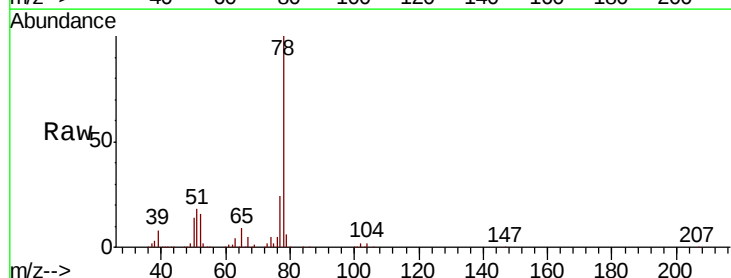
Manual Integrations
APPROVED

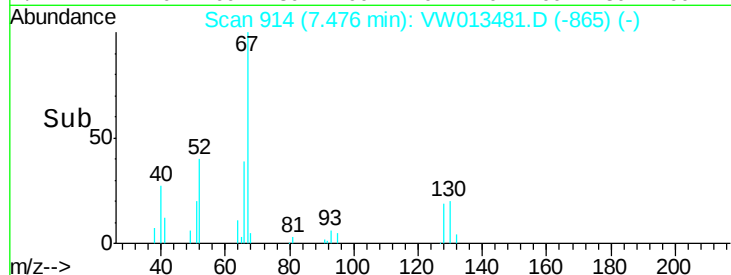
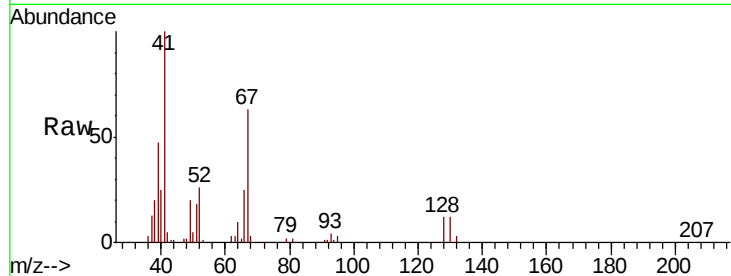
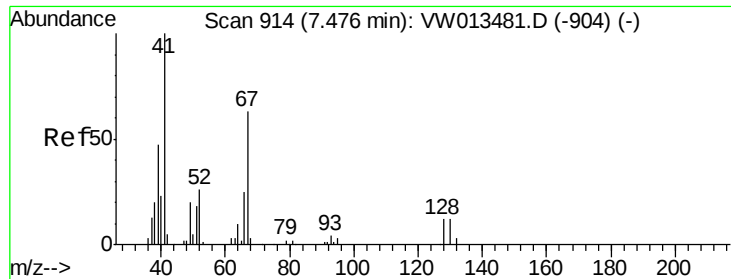
MMDadoda
10/9/2019 4:08:47 PM



#40
Benzene
Concen: 49.640 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

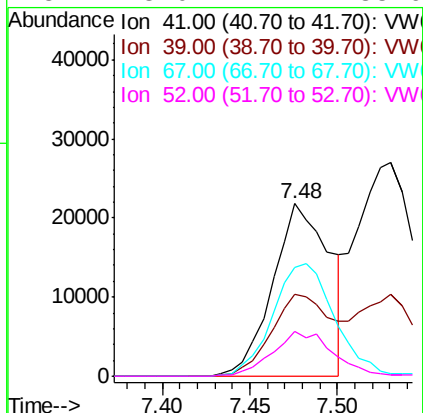
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41
Methacrylonitrile
Concen: 47.400 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

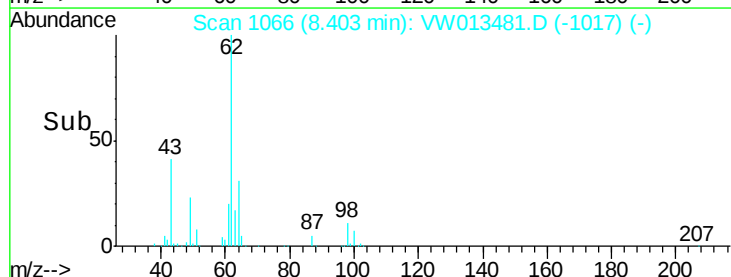
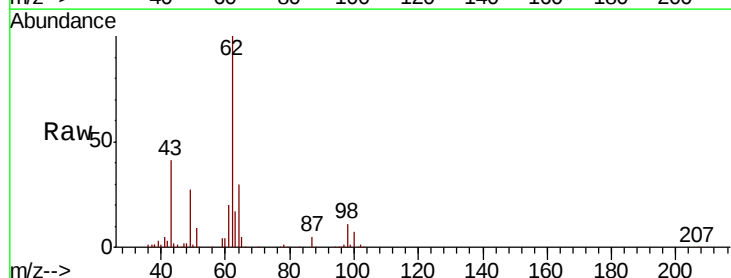
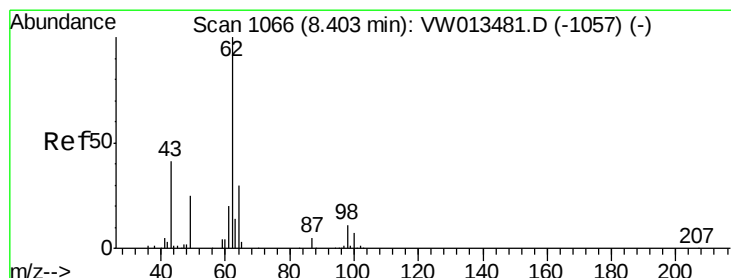
Tot Ion	41	Resp	49327
Ion	Ratio	Lower	Upper
41	100		
39	49.2	39.4	59.0
67	71.3	57.0	85.6
52	28.0	22.4	33.6



Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

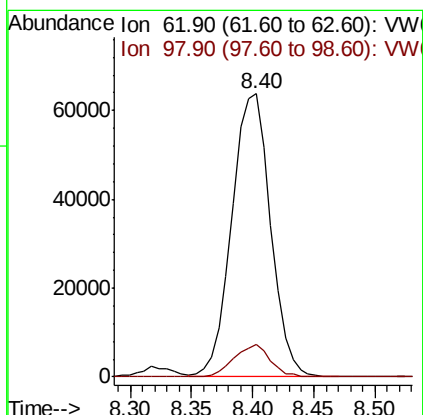
Manual Integrations
APPROVED

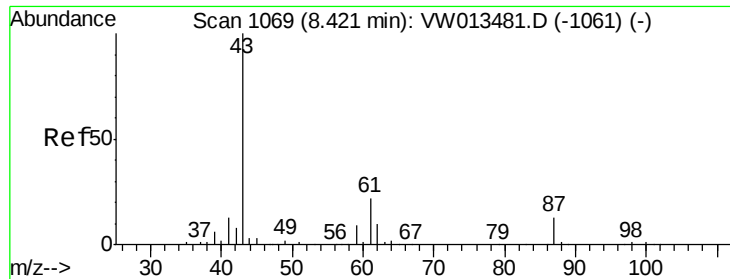
MMDadoda
10/9/2019 4:08:47 PM



#42
1,2-Dichloroethane
Concen: 49.201 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	62	Resp	140020
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





#43

Isopropyl Acetate

Concen: 48.193 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

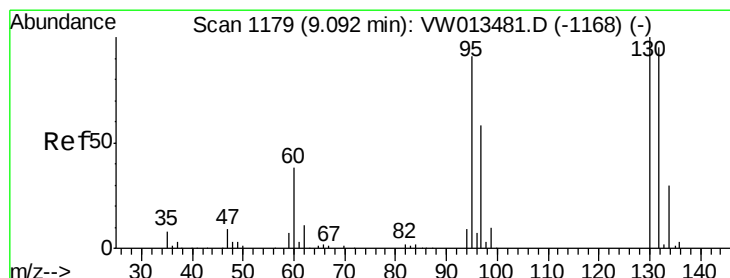
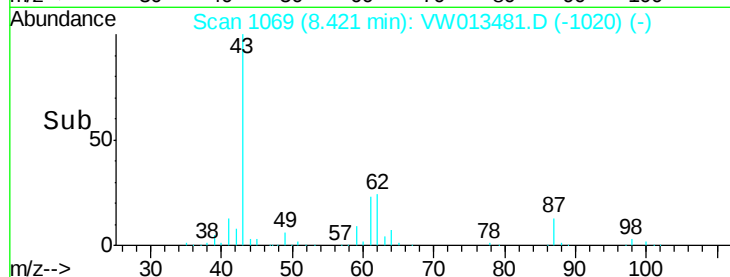
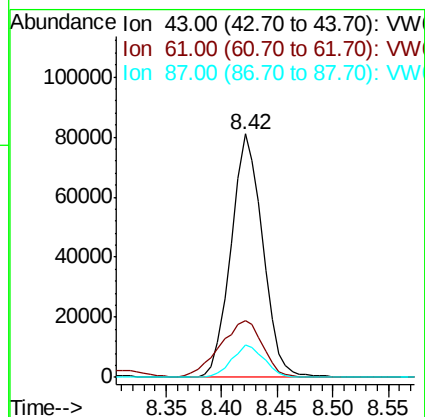
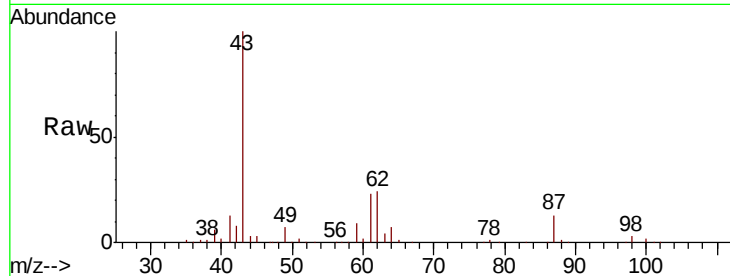
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	159339
Ion	Ratio	Lower	Upper
43	100		
61	31.8	25.4	38.2
87	13.5	10.8	16.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#44

Trichloroethene

Concen: 50.057 ug/l

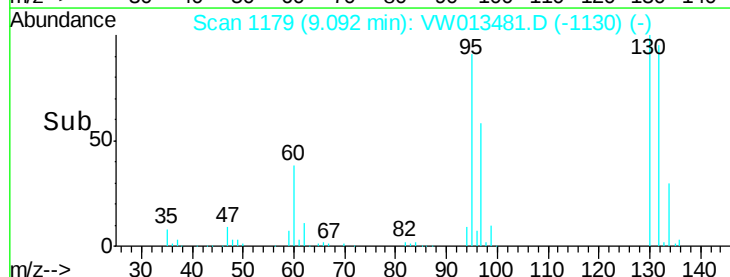
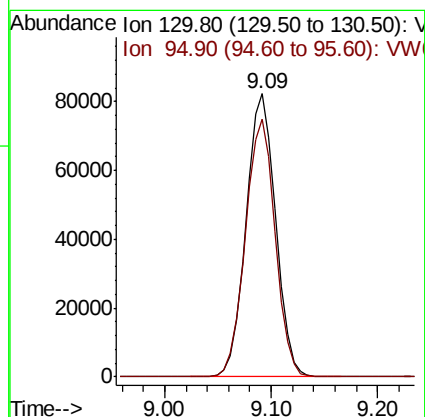
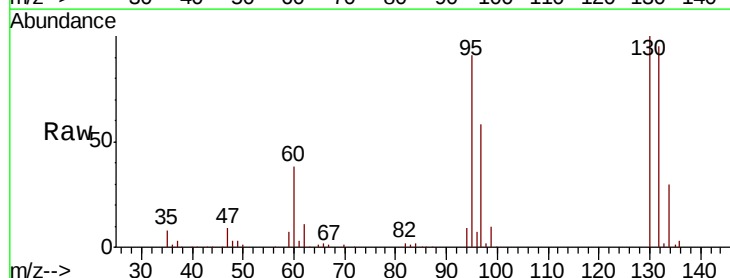
RT: 9.09 min Scan# 1179

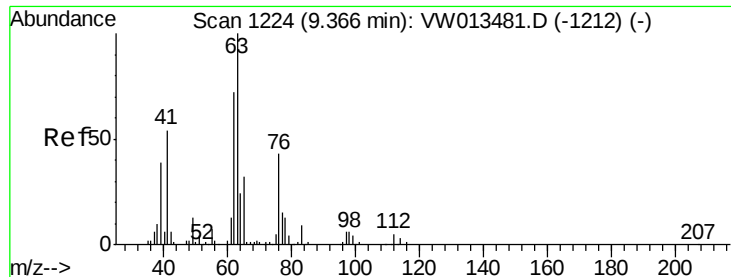
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion:	130	Resp:	160782
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	182.2





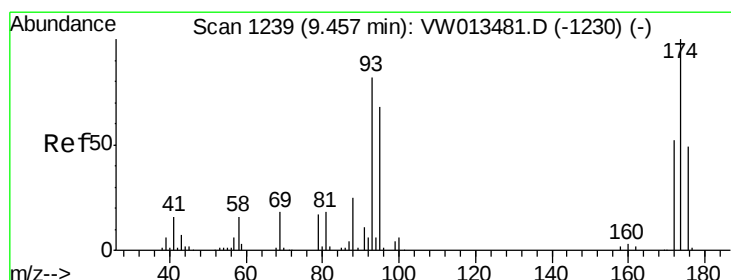
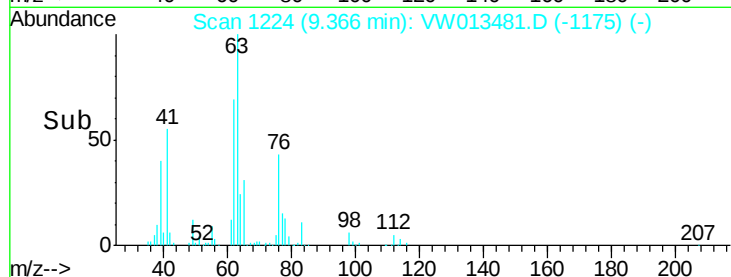
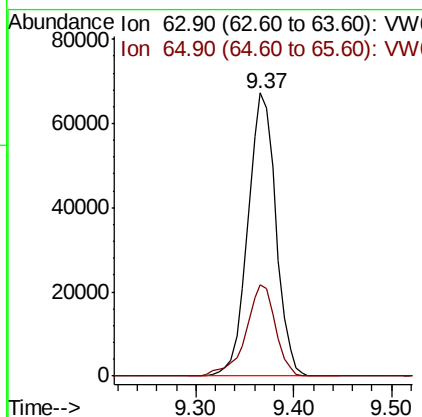
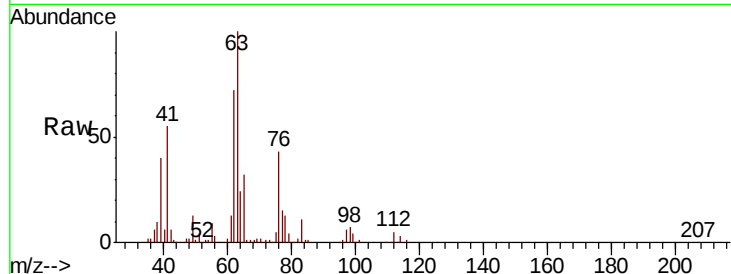
#45
 1,2-Dichloropropane
 Concen: 49.410 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 133526
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.8 38.6

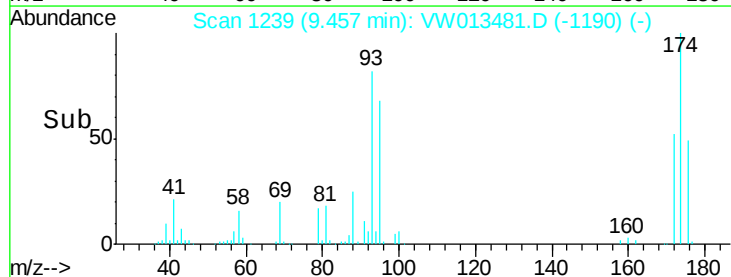
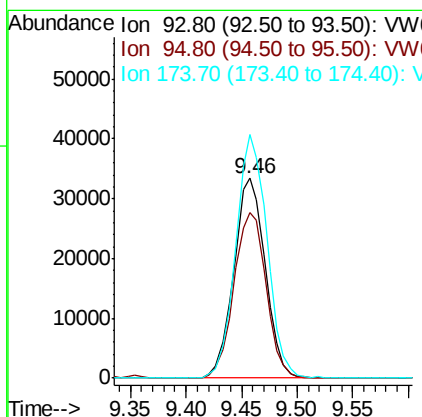
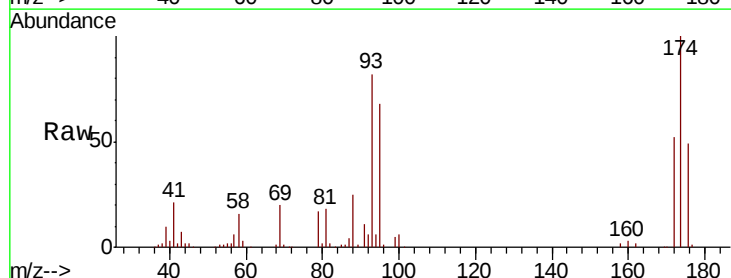
Manual Integrations
 APPROVED

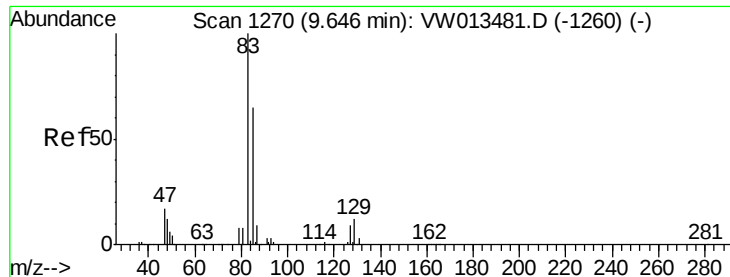
MMDadoda
 10/9/2019 4:08:47 PM



#46
 Dibromomethane
 Concen: 48.447 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion: 93 Resp: 65223
 Ion Ratio Lower Upper
 93 100
 95 85.0 68.0 102.0
 174 121.3 97.0 145.6





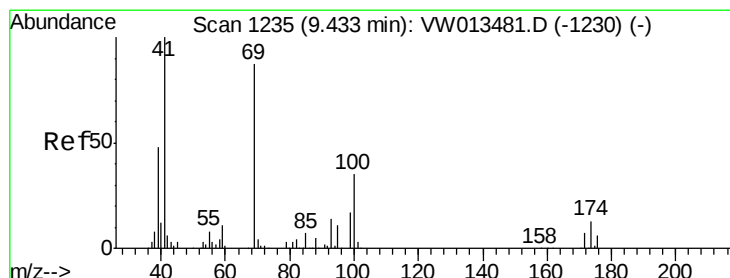
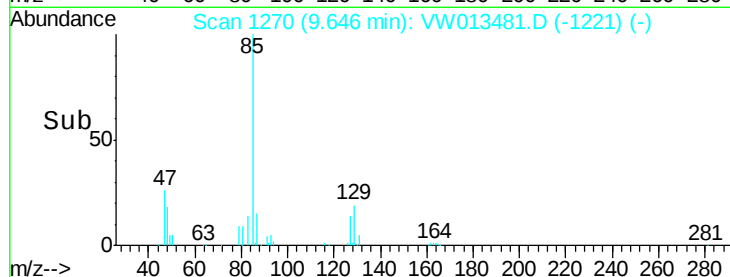
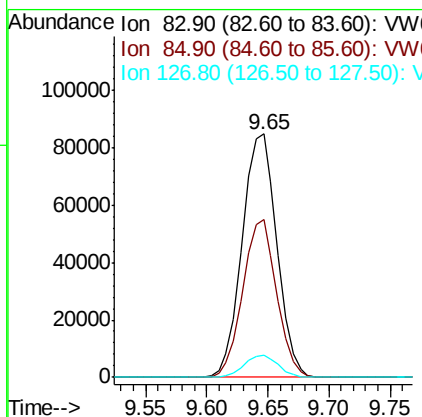
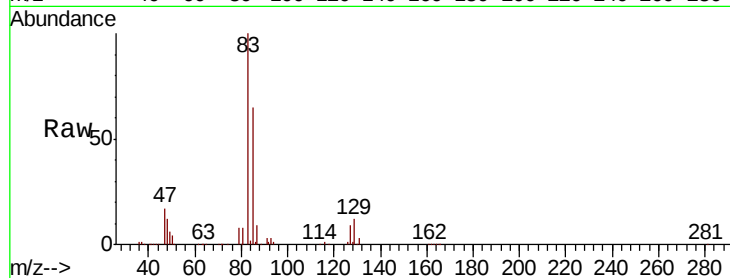
#47
Bromodichloromethane
Concen: 49.924 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	167077
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.9	77.9
127	9.3	7.4	11.2

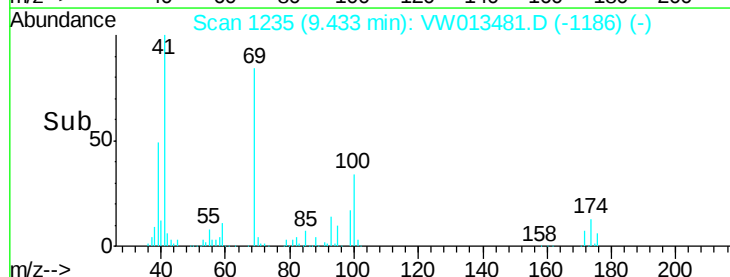
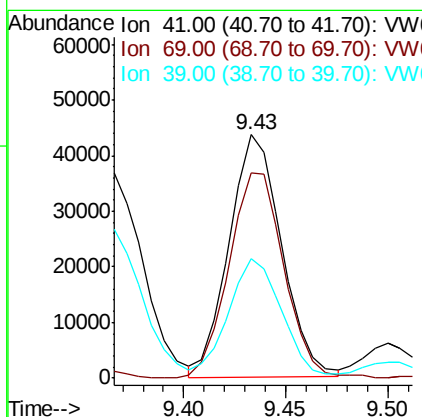
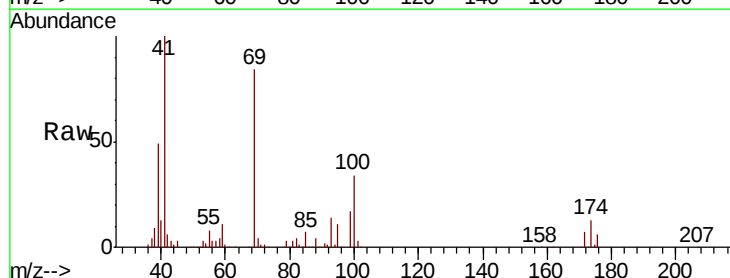
Manual Integrations
APPROVED

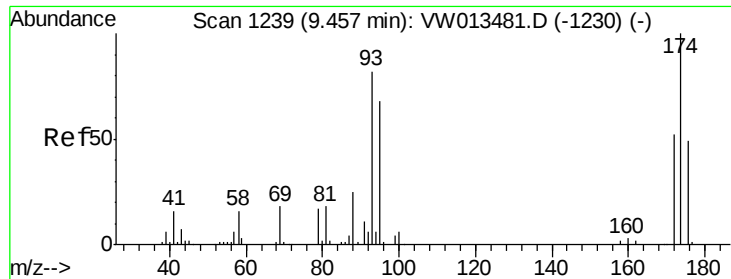
MMDadoda
10/9/2019 4:08:47 PM



#48
Methyl methacrylate
Concen: 48.153 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	41	Resp	78421
Ion Ratio	100	Lower	Upper
41	100		
69	88.0	70.4	105.6
39	46.6	37.3	55.9





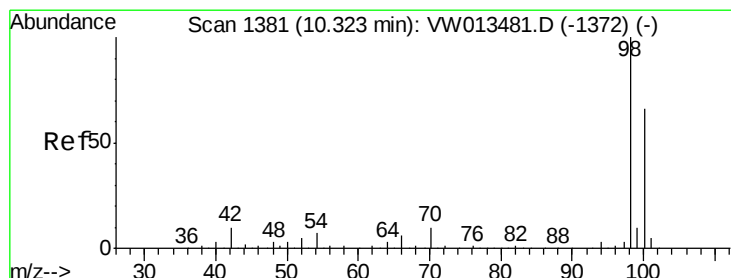
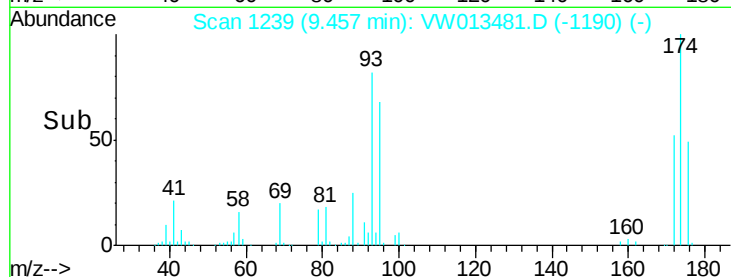
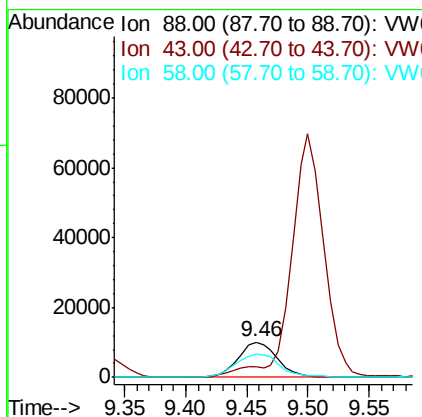
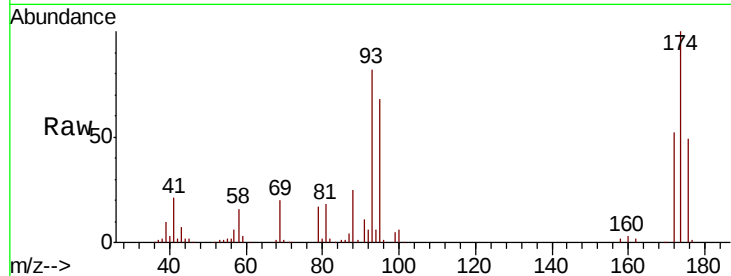
#49
1,4-Dioxane
Concen: 945.924 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.0	60.0	90.0

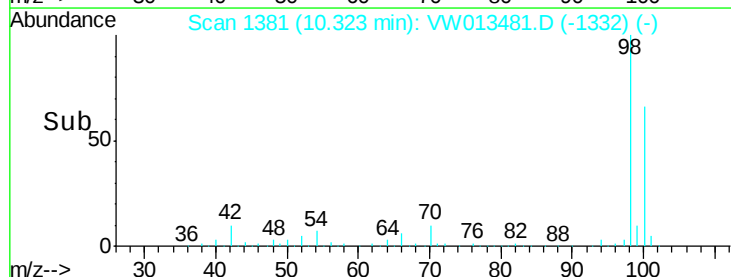
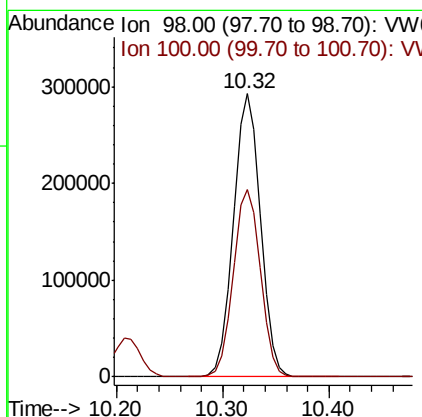
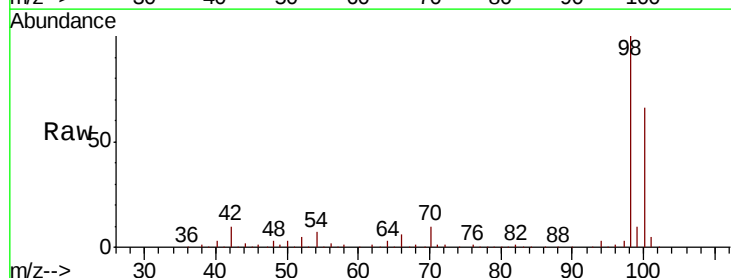
Manual Integrations
APPROVED

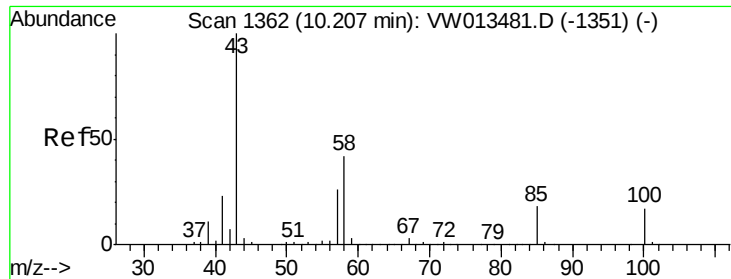
MMDadoda
10/9/2019 4:08:47 PM



#50
Toluene-d8
Concen: 49.780 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 236.625 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 411306

Ion Ratio Lower Upper

43 100

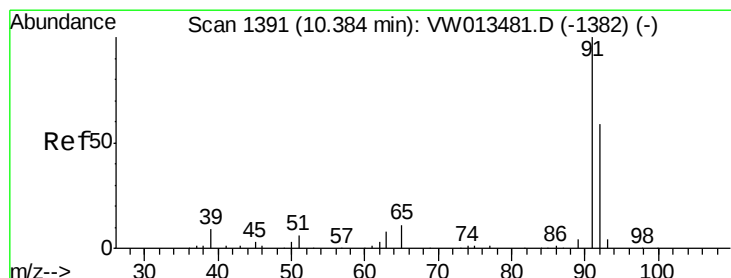
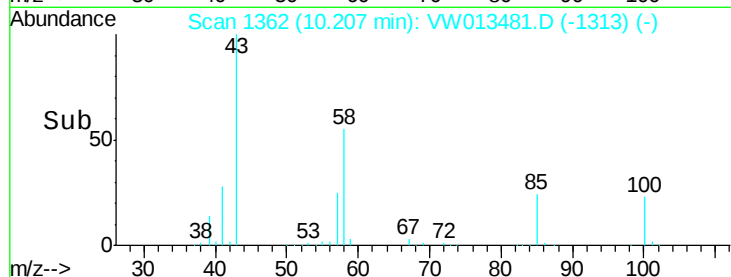
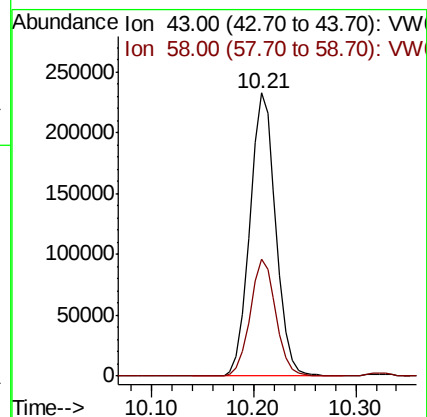
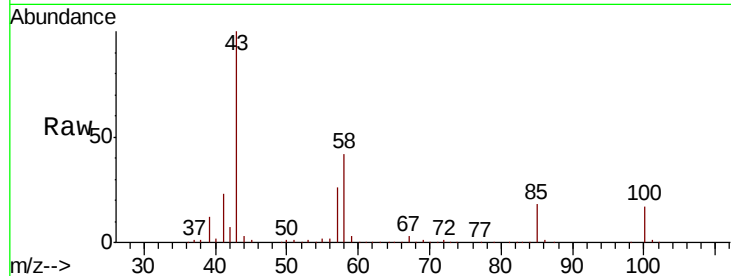
58 41.0 32.8 49.2

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM



#52

Toluene

Concen: 50.223 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013481.D

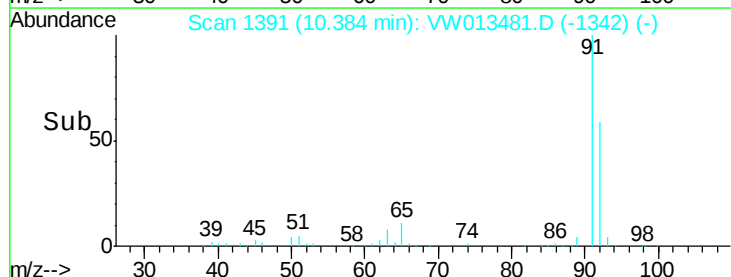
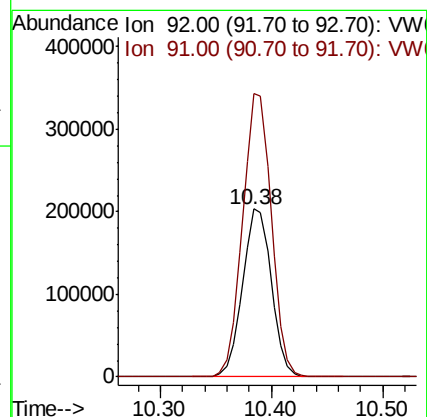
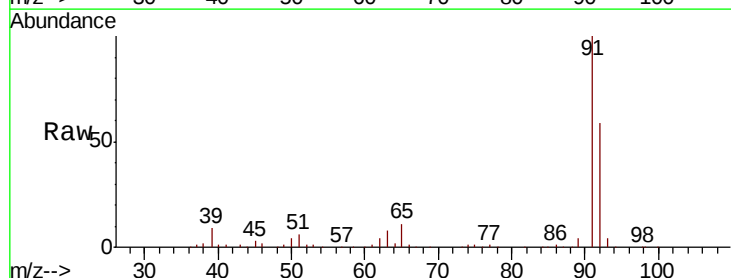
Acq: 08 Oct 2019 11:45

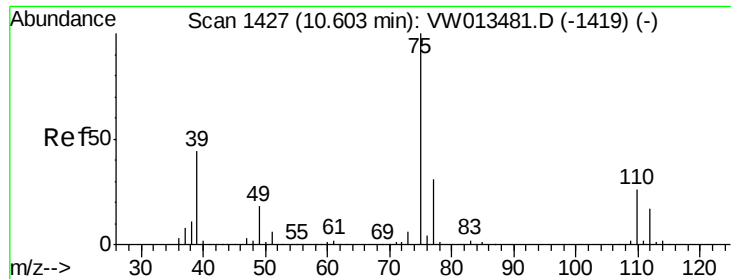
Tgt Ion: 92 Resp: 364250

Ion Ratio Lower Upper

92 100

91 168.5 134.8 202.2





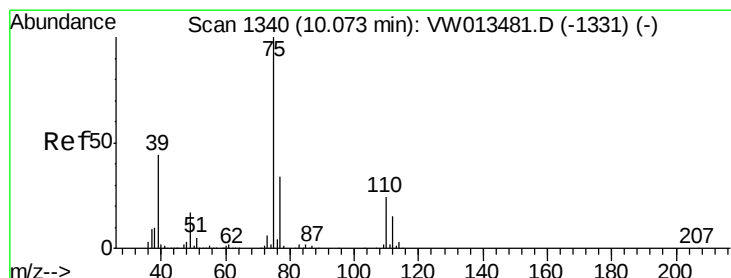
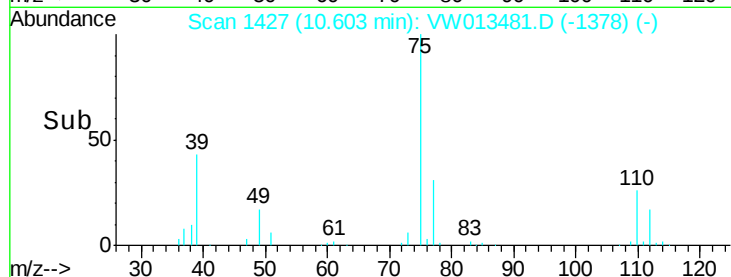
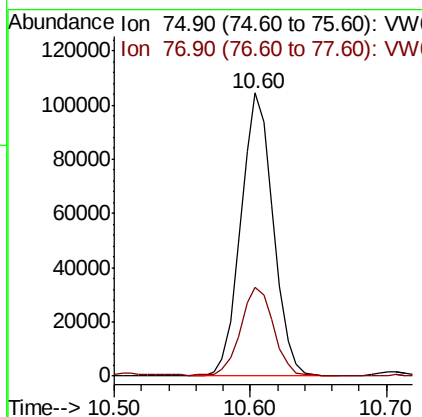
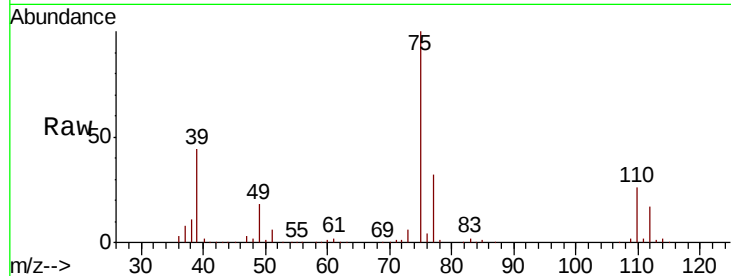
#53
t-1,3-Dichloropropene
Concen: 49.823 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 173260
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8

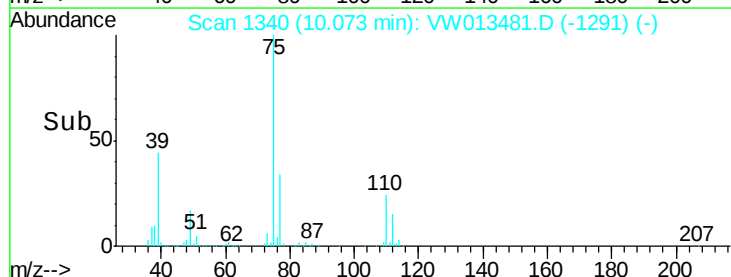
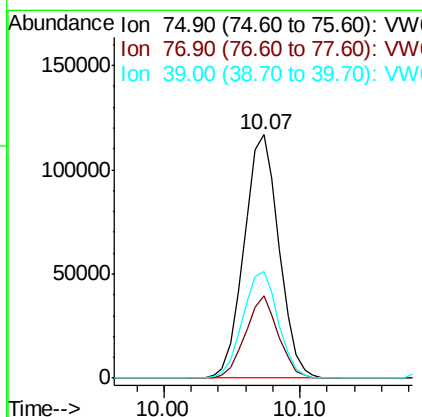
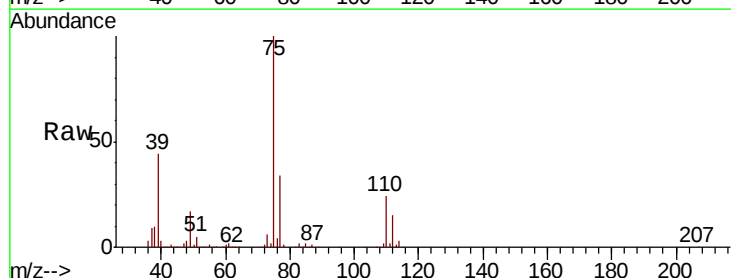
Manual Integrations
APPROVED

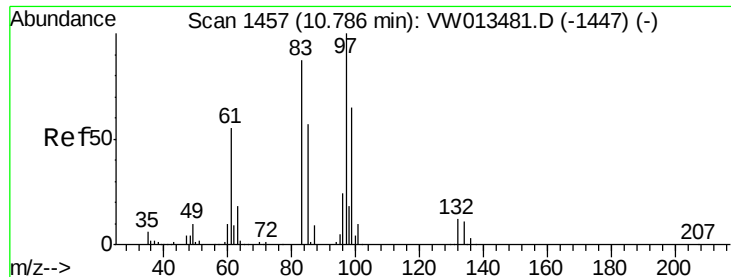
MMDadoda
10/9/2019 4:08:47 PM



#54
cis-1,3-Dichloropropene
Concen: 49.750 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion: 75 Resp: 209597
Ion Ratio Lower Upper
75 100
77 33.7 27.0 40.4
39 43.7 35.0 52.4





#55

1,1,2-Trichloroethane

Concen: 48.042 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 97082

Ion Ratio Lower Upper

97 100

83 87.3 69.8 104.8

85 56.7 45.4 68.0

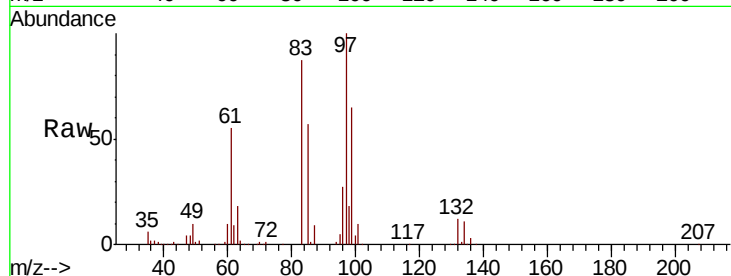
99 64.9 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM

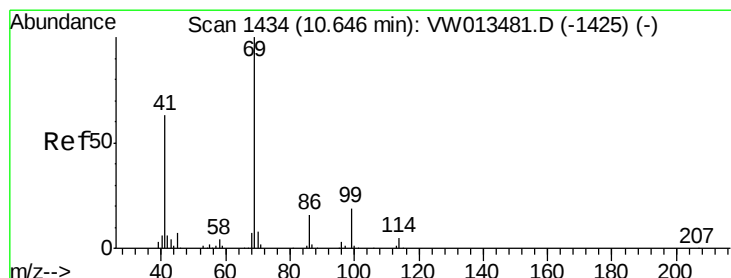
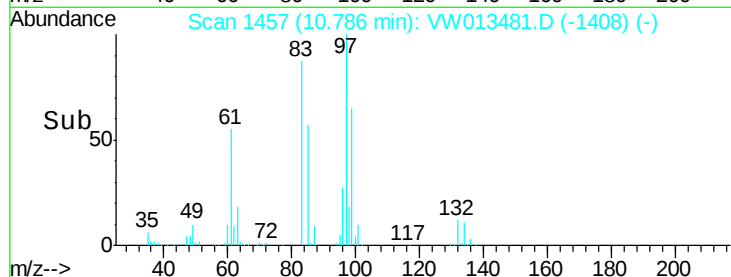
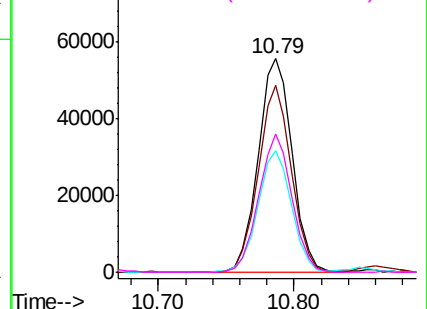


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 50.167 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion: 69 Resp: 136539

Ion Ratio Lower Upper

69 100

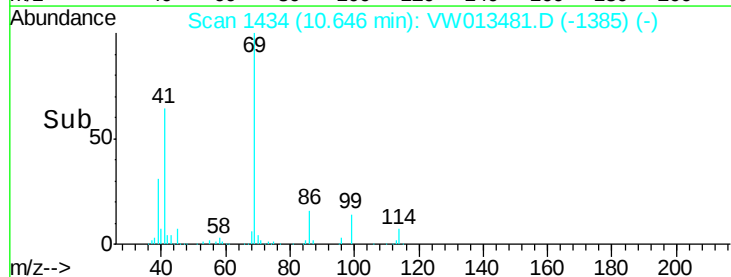
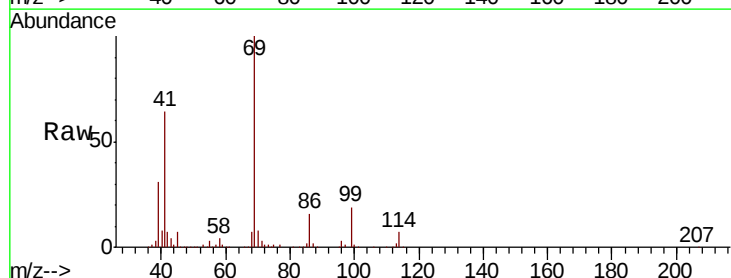
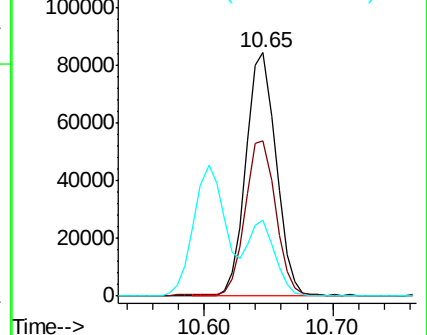
41 64.7 51.8 77.6

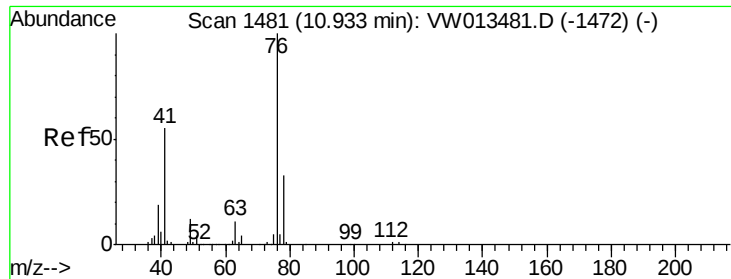
39 27.1 21.7 32.5

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





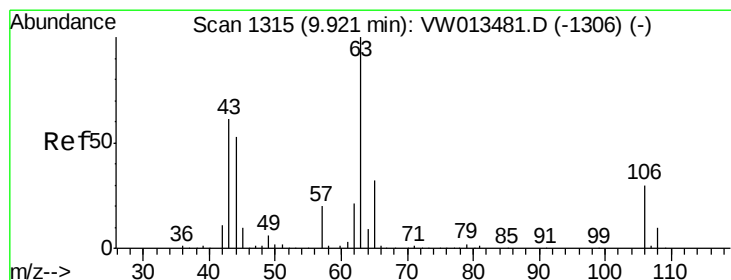
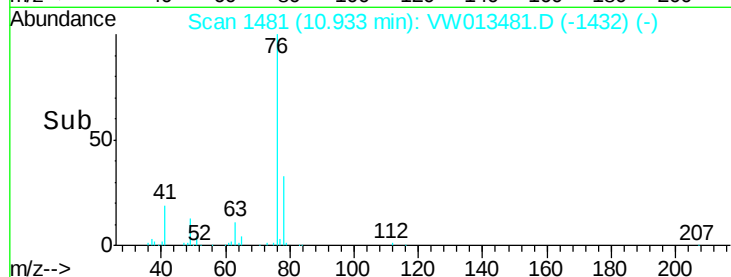
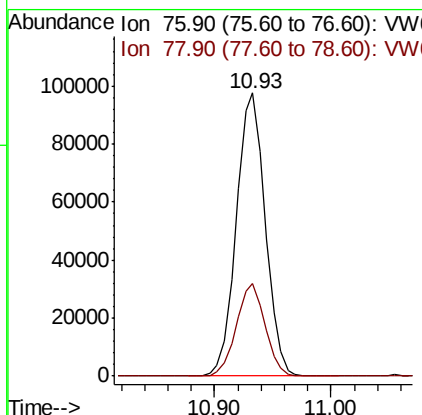
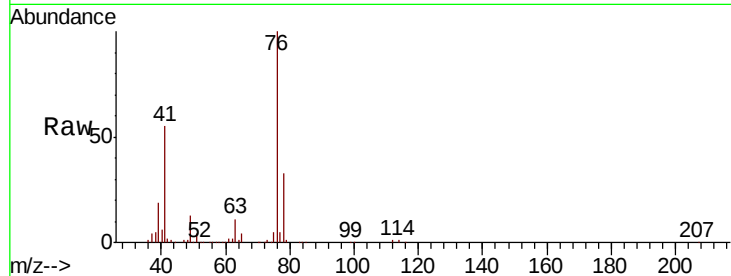
#57
 1,3-Dichloropropane
 Concen: 48.672 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 168886
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9

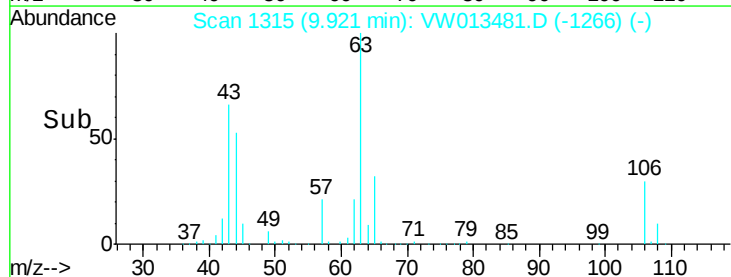
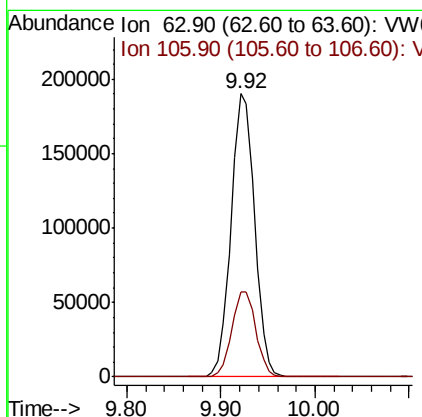
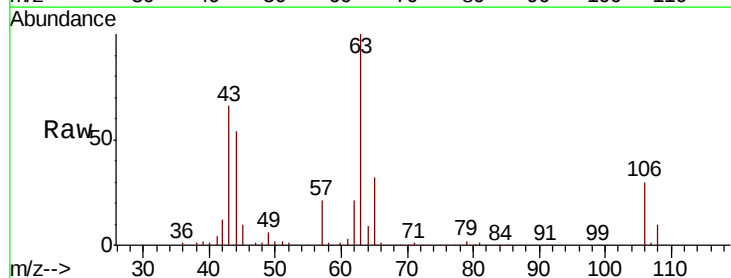
Manual Integrations
 APPROVED

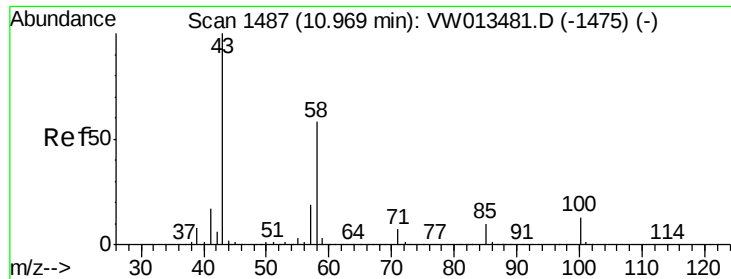
MMDadoda
 10/9/2019 4:08:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.262 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion: 63 Resp: 330332
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.5 36.7





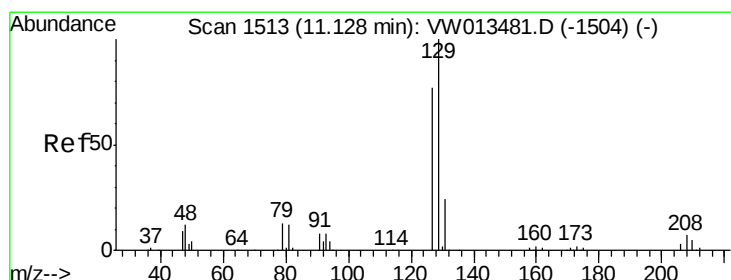
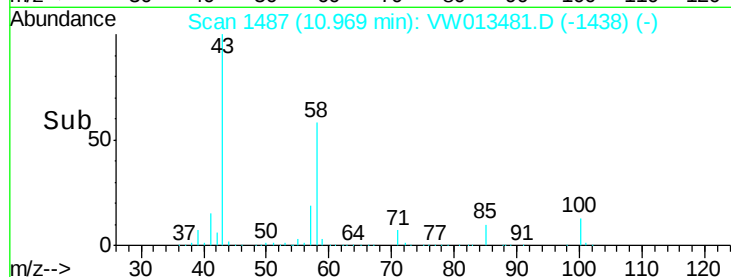
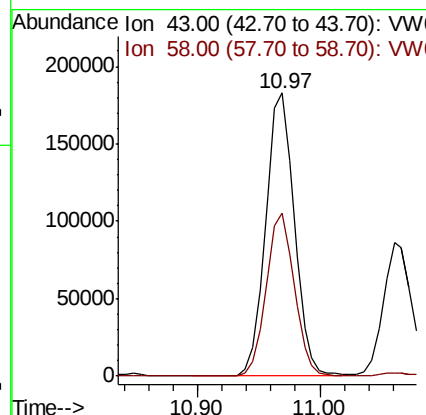
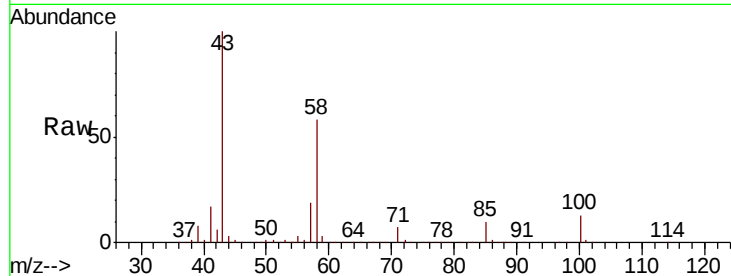
#59
2-Hexanone
Concen: 251.315 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 299551
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.2

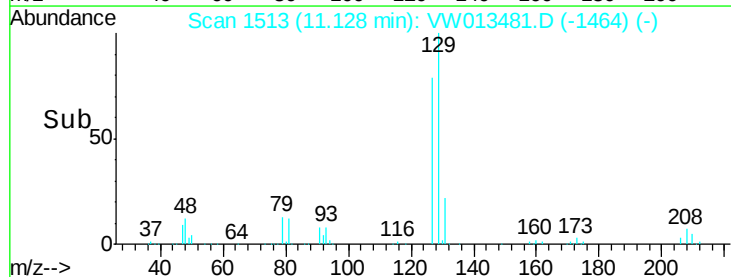
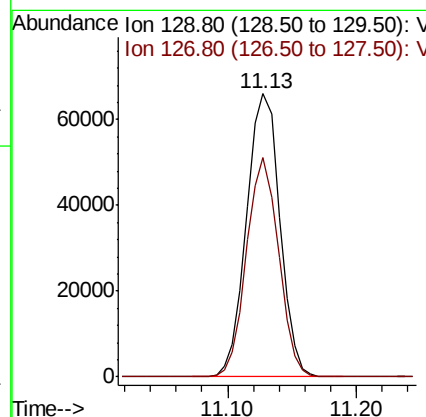
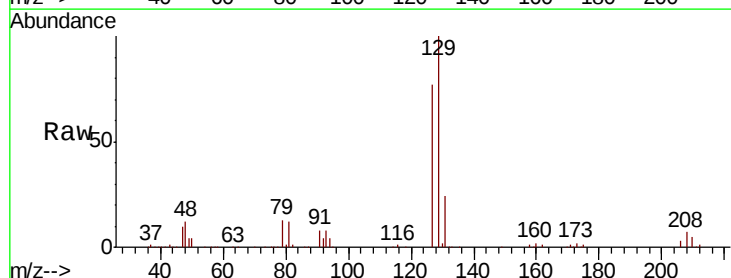
Manual Integrations
APPROVED

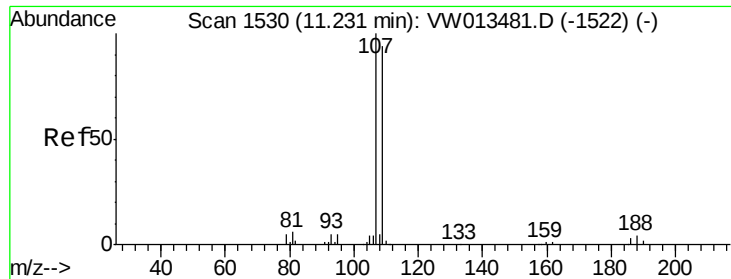
MMDadoda
10/9/2019 4:08:47 PM



#60
Dibromochloromethane
Concen: 50.747 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion: 129 Resp: 117929
Ion Ratio Lower Upper
129 100
127 74.7 37.4 112.1





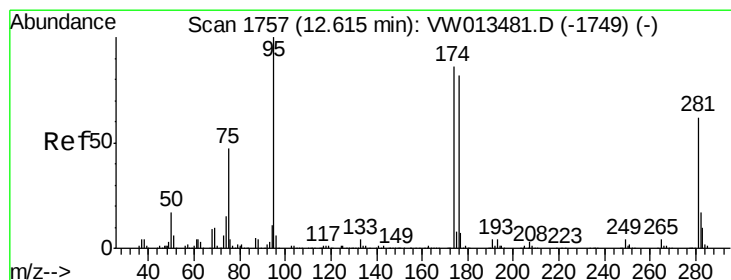
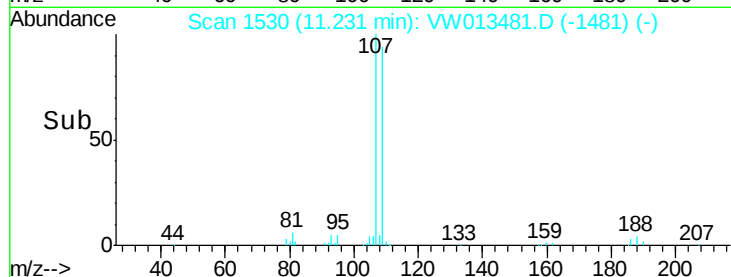
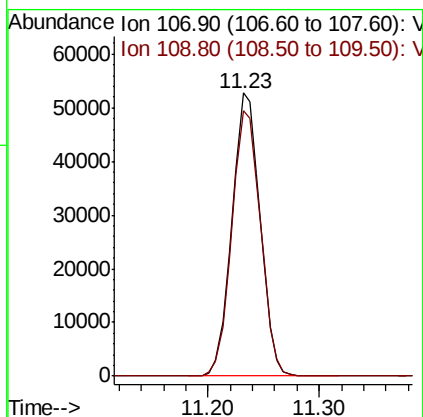
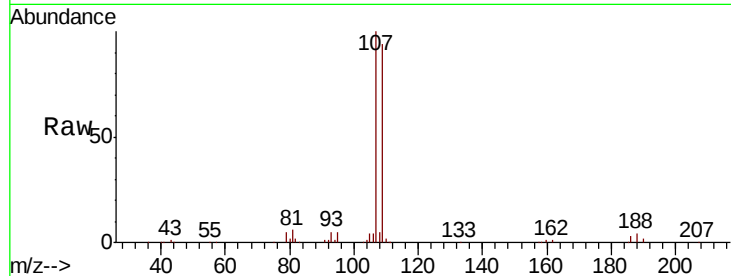
#61
 1,2-Dibromoethane
 Concen: 47.938 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 92140
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.6 115.0

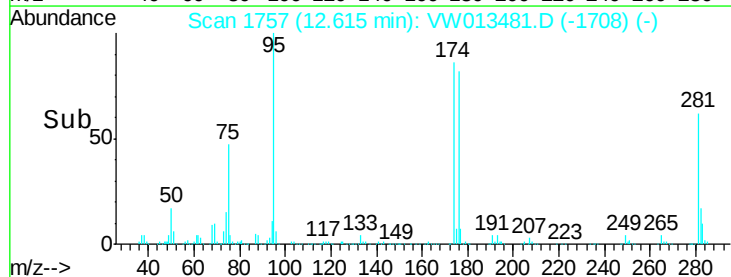
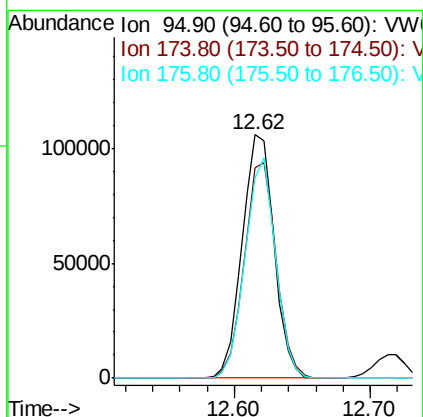
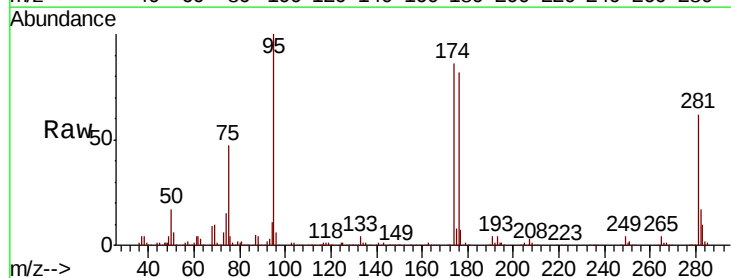
Manual Integrations
 APPROVED

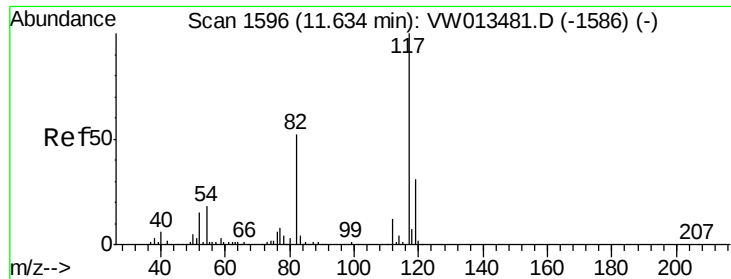
MMDadoda
 10/9/2019 4:08:47 PM



#62
 4-Bromofluorobenzene
 Concen: 49.572 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion: 95 Resp: 174275
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 177.4
 176 86.7 0.0 173.4





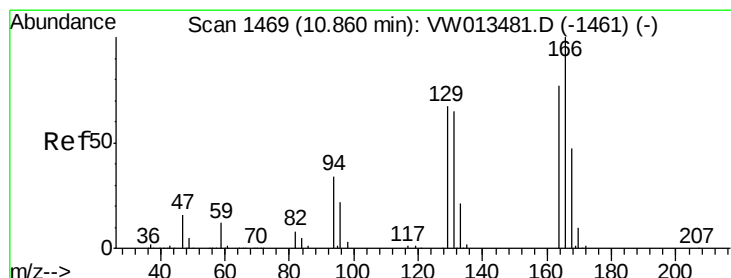
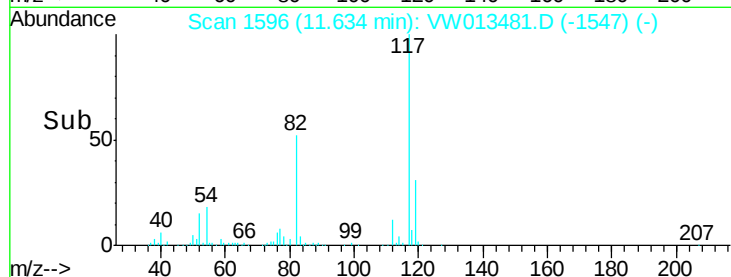
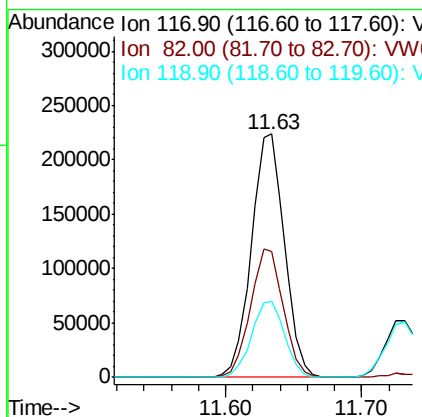
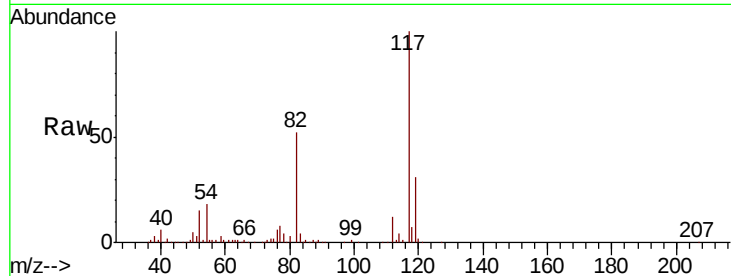
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.4	62.2
119	31.4	25.1	37.7

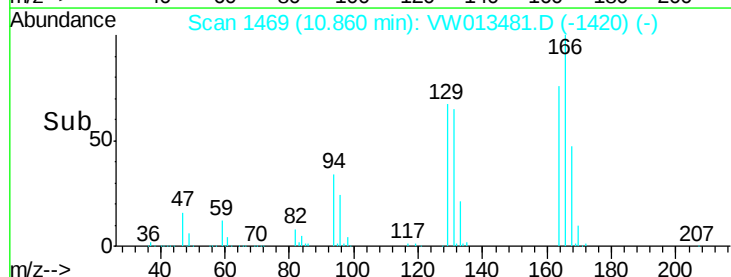
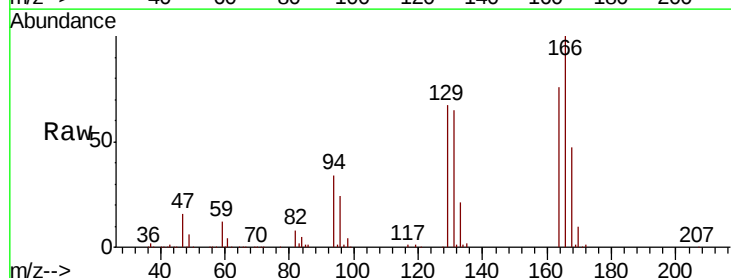
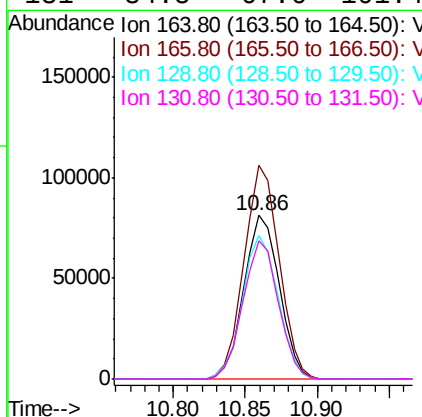
Manual Integrations
APPROVED

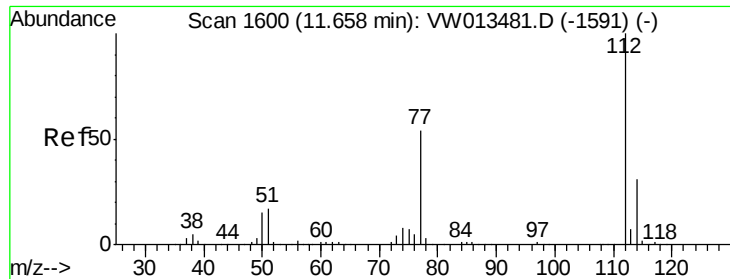
MMDadoda
10/9/2019 4:08:47 PM



#64
Tetrachloroethene
Concen: 49.438 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	104.6	156.8
129	87.7	70.2	105.2
131	84.5	67.6	101.4





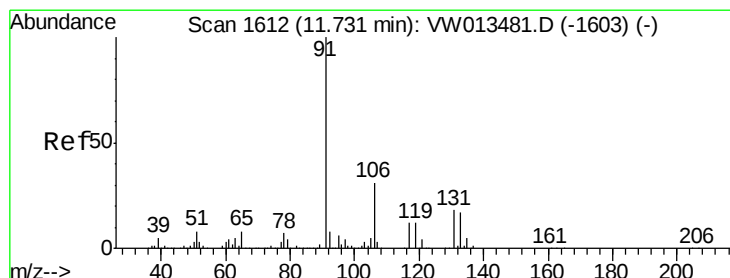
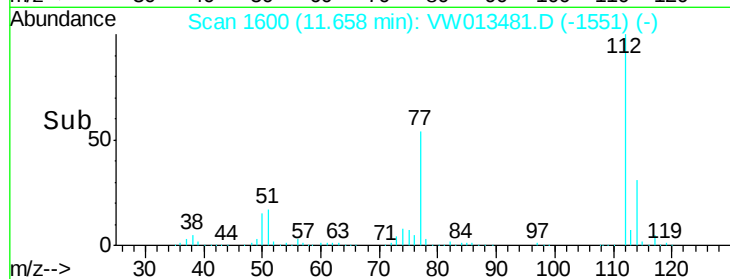
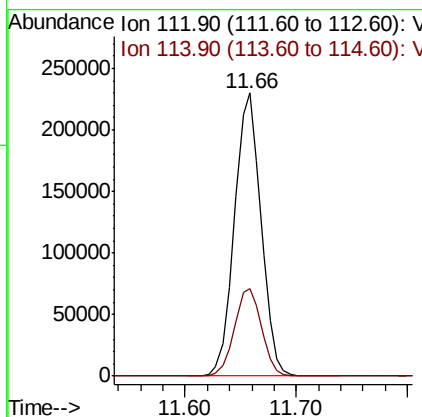
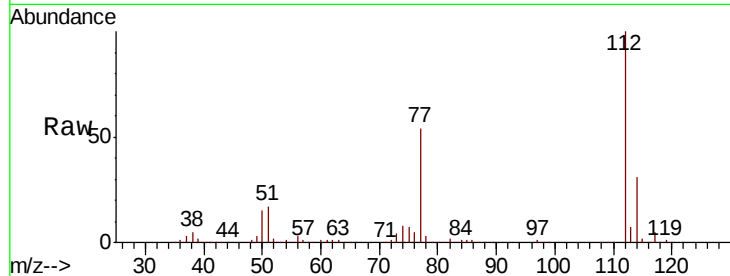
#65
Chlorobenzene
Concen: 49.923 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 378486
Ion Ratio Lower Upper
112 100
114 30.8 24.6 37.0

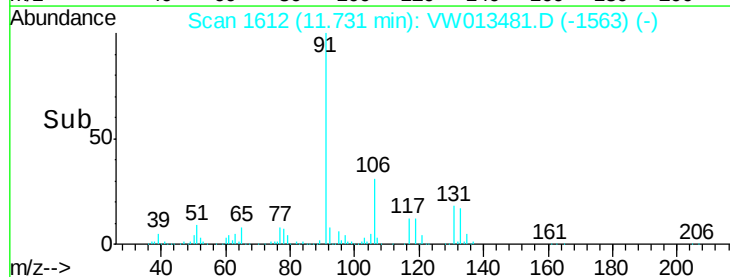
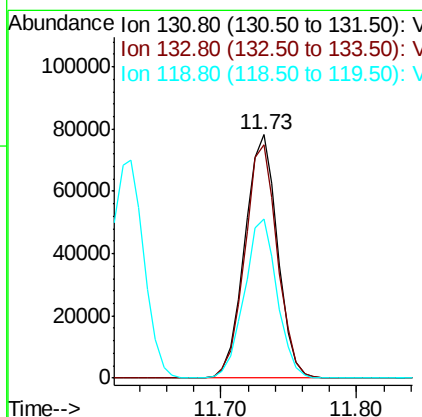
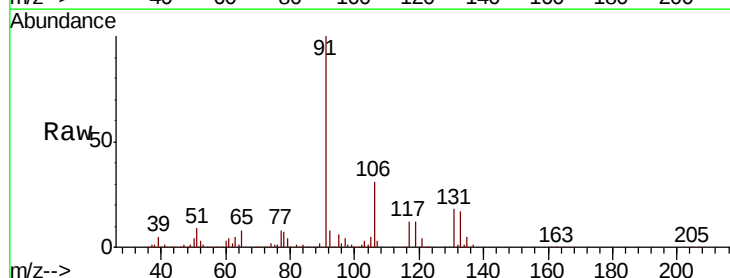
Manual Integrations
APPROVED

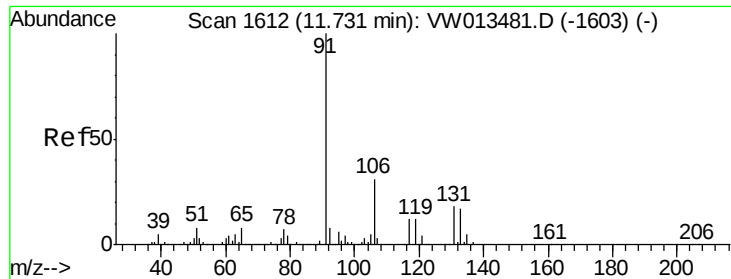
MMDadoda
10/9/2019 4:08:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.916 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion:131 Resp: 131455
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 65.3 32.6 98.0





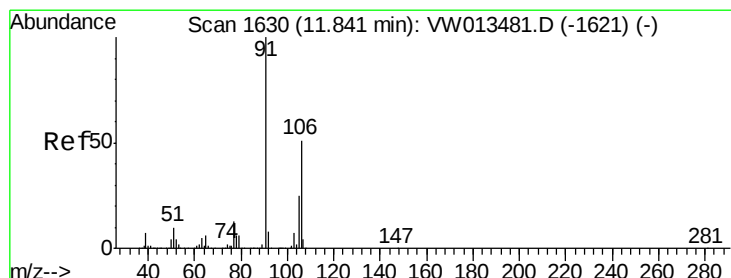
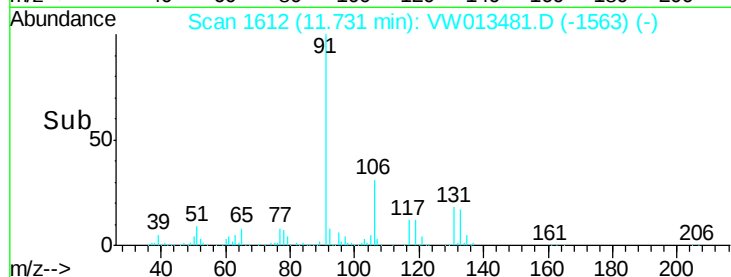
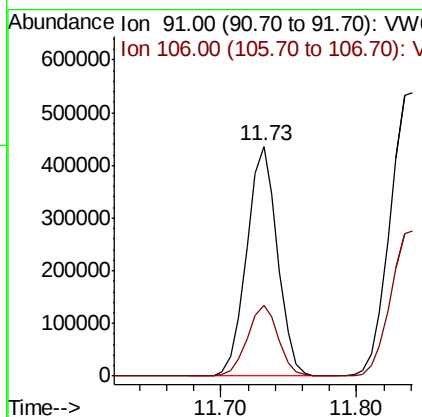
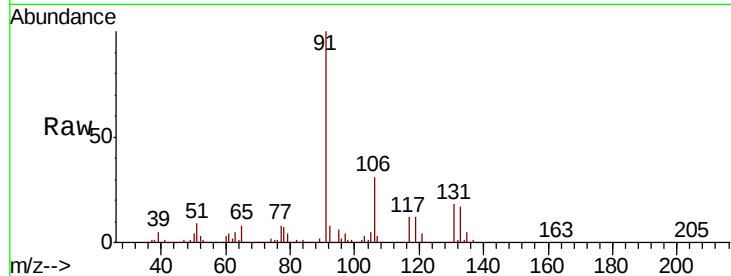
#67
Ethyl Benzene
Concen: 49.688 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.0	24.8	37.2	

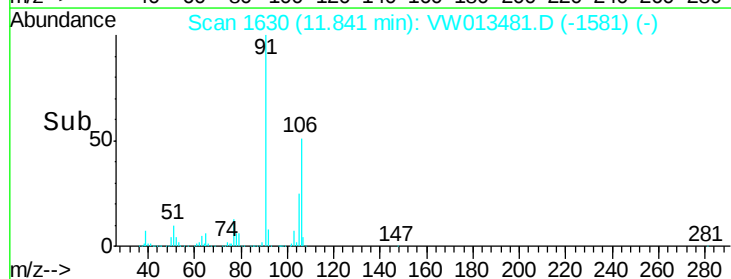
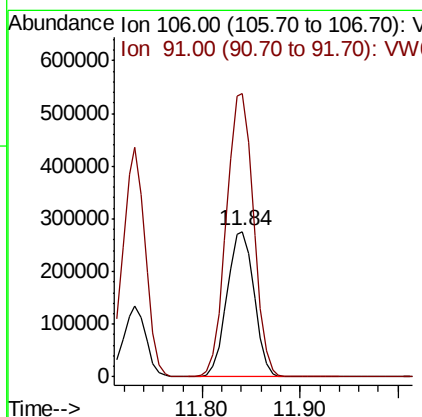
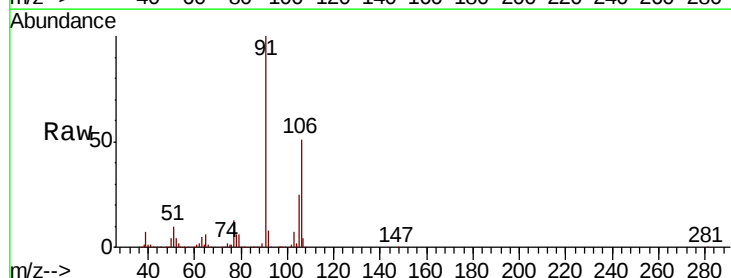
Manual Integrations
APPROVED

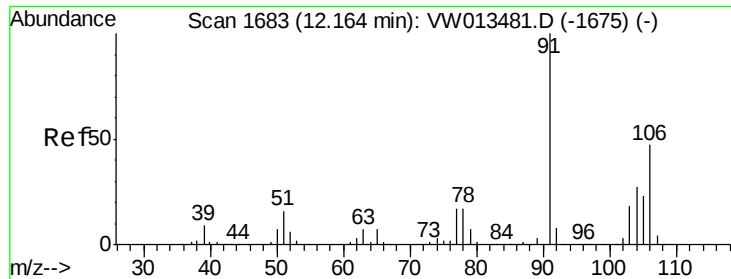
MMDadoda
10/9/2019 4:08:47 PM



#68
m/p-Xylenes
Concen: 100.553 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	195.3	156.2	234.4	





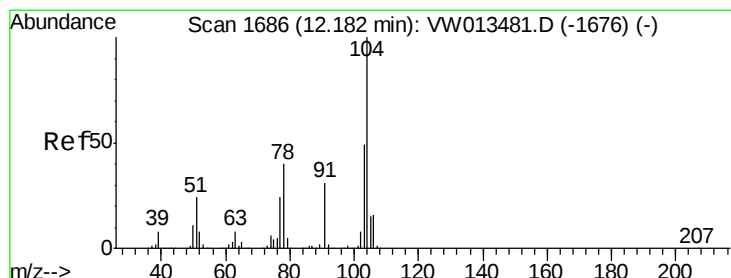
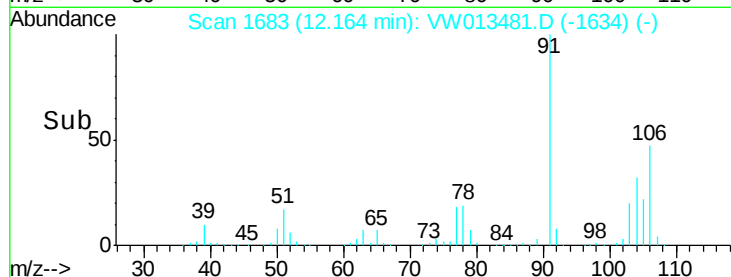
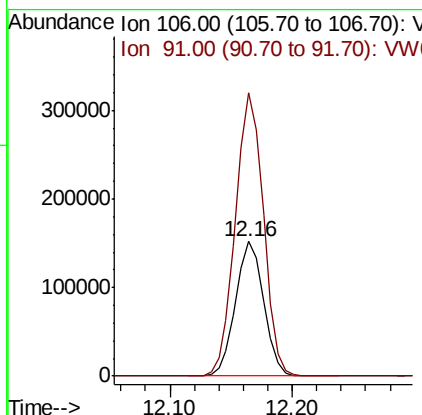
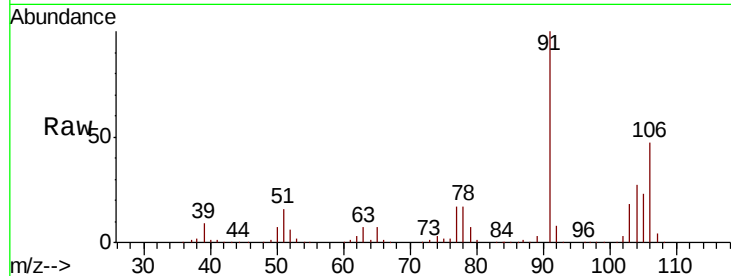
#69
o-Xylene
Concen: 49.567 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 241447
Ion Ratio Lower Upper
106 100
91 210.0 105.0 315.0

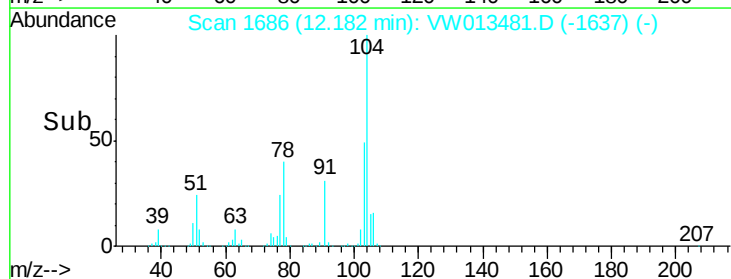
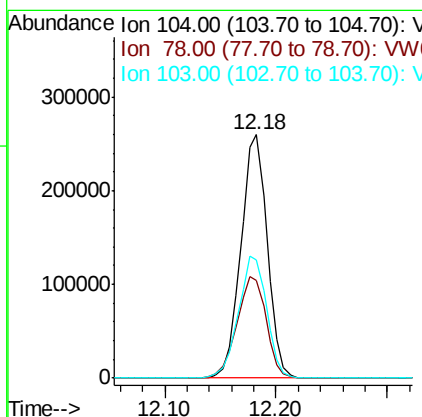
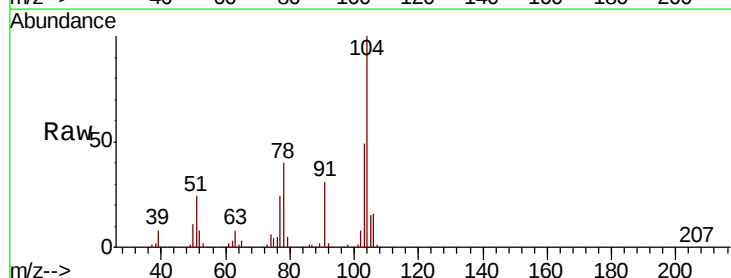
Manual Integrations
APPROVED

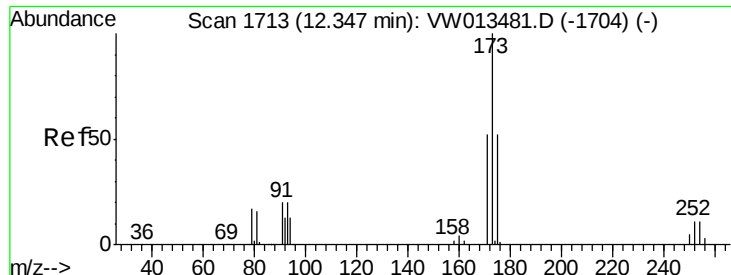
MMDadoda
10/9/2019 4:08:47 PM



#70
Styrene
Concen: 50.799 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion:104 Resp: 424871
Ion Ratio Lower Upper
104 100
78 46.4 37.1 55.7
103 54.0 43.2 64.8





#71

Bromoform

Concen: 49.493 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 71511

Ion Ratio Lower Upper

173 100

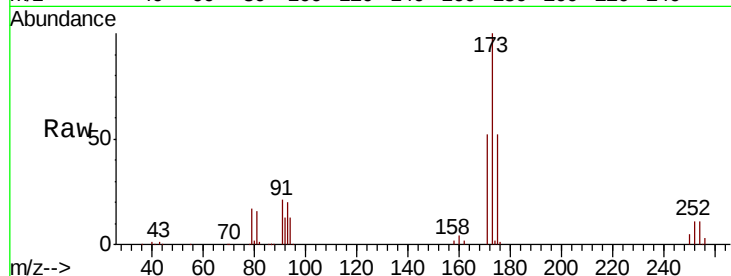
175 48.9 24.4 73.4

254 0.1 0.1 0.1

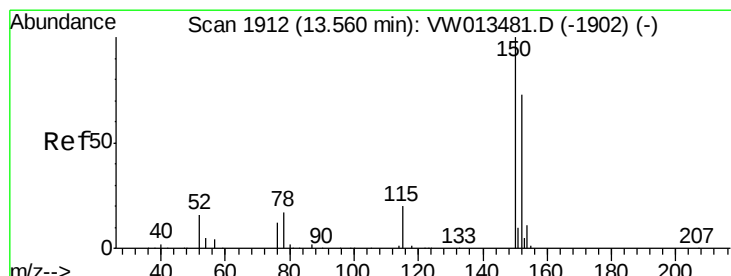
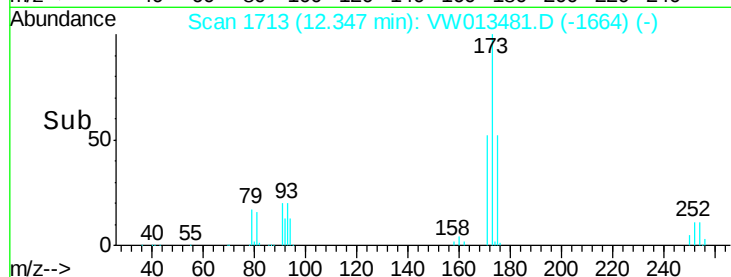
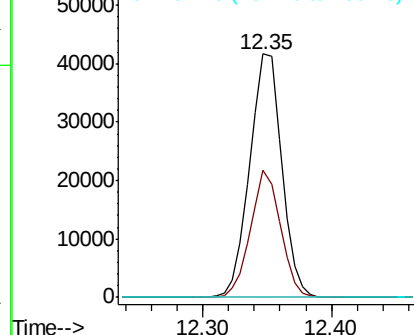
Manual Integrations
APPROVED

MMDadoda

10/9/2019 4:08:47 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

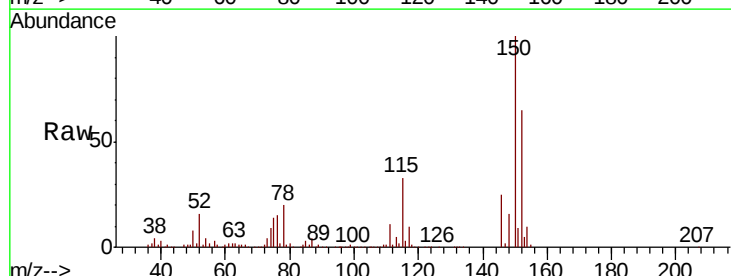
Tgt Ion:152 Resp: 191993

Ion Ratio Lower Upper

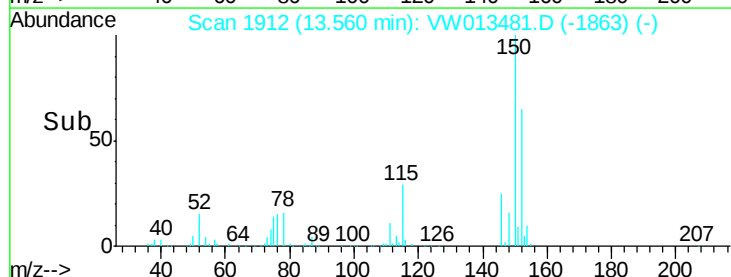
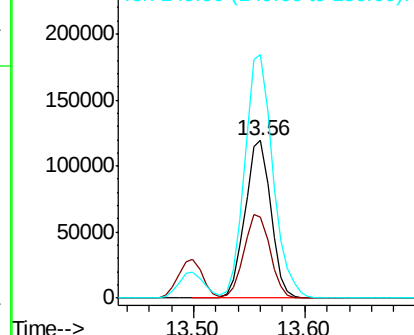
152 100

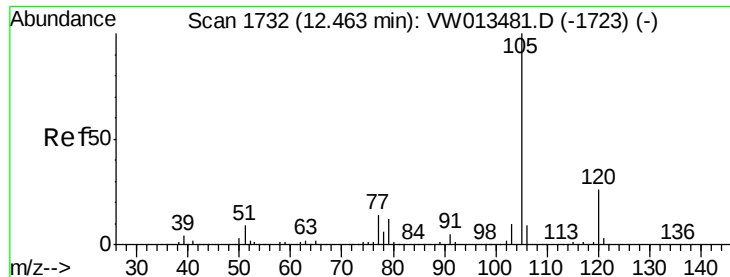
115 54.0 27.0 81.0

150 168.7 0.0 337.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.807 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 684975

Ion Ratio Lower Upper

105 100

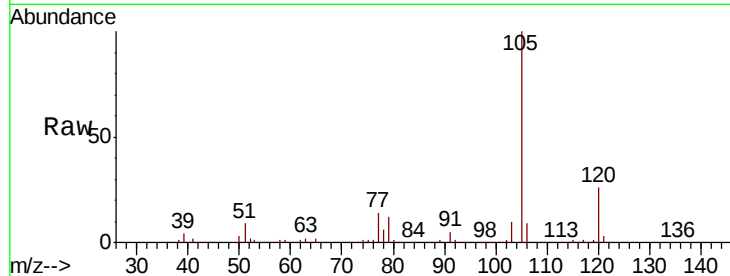
120 27.0 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

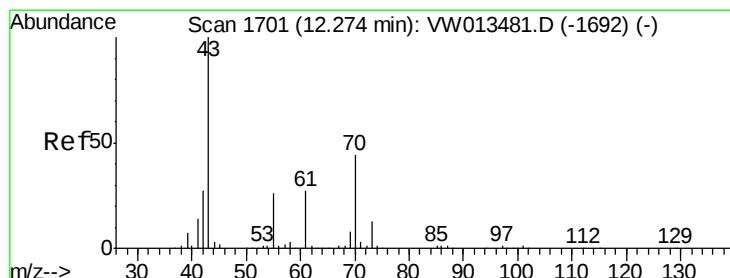
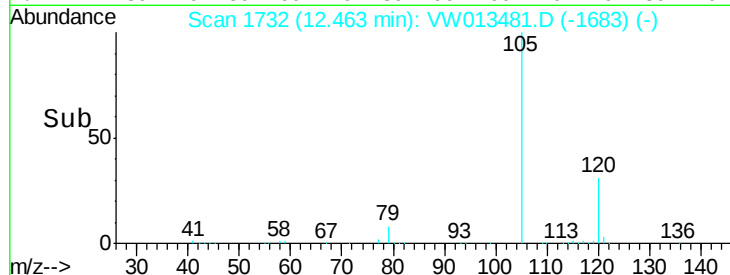
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 48.885 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion: 43 Resp: 147033

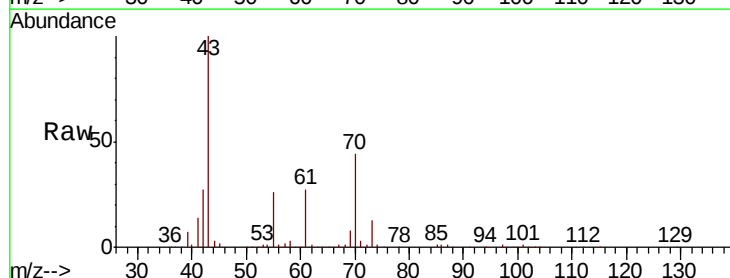
Ion Ratio Lower Upper

43 100

70 44.1 35.3 52.9

55 25.0 20.0 30.0

61 26.5 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

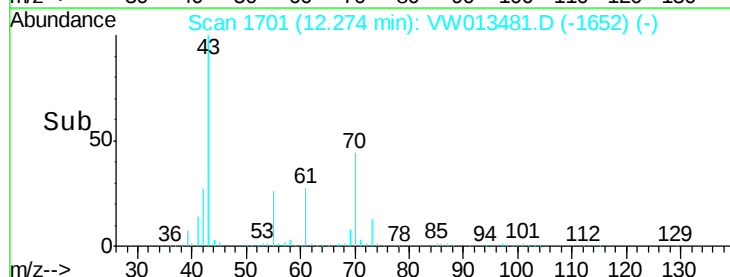
150000

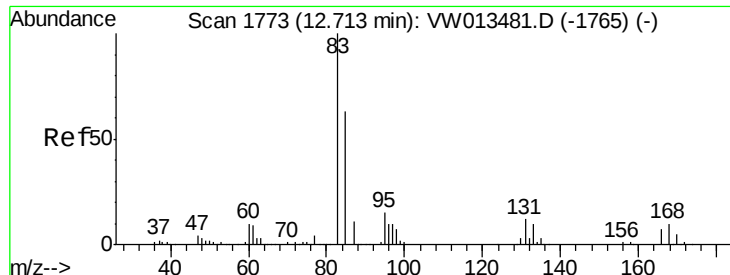
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.476 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

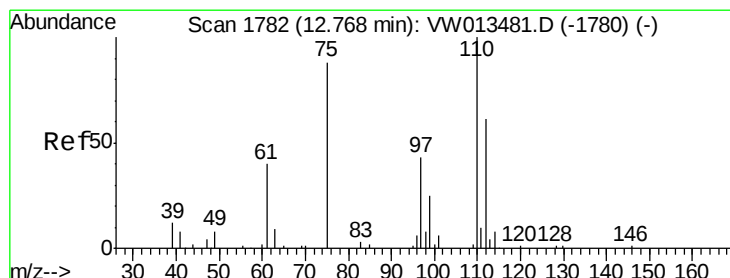
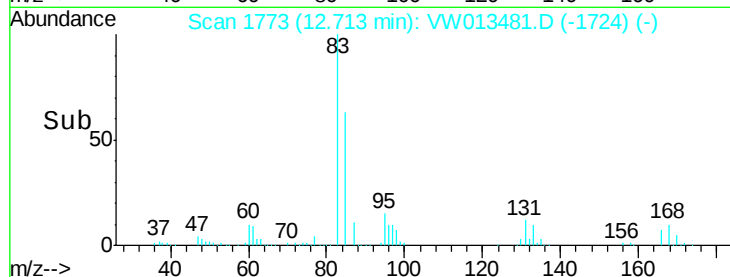
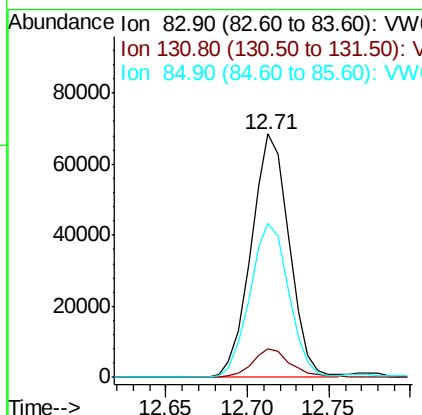
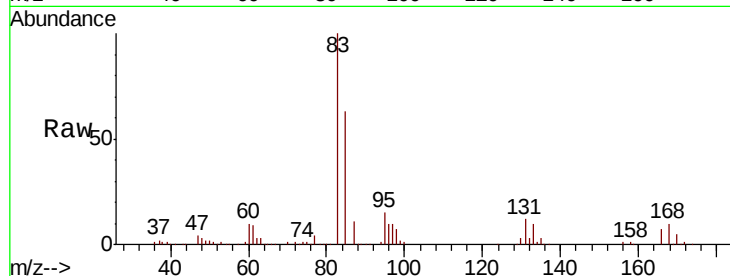
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	111287
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.7
85	64.9	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#76

1,2,3-Trichloropropane

Concen: 46.475 ug/l m

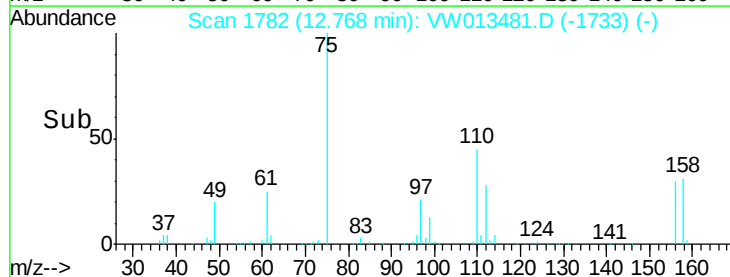
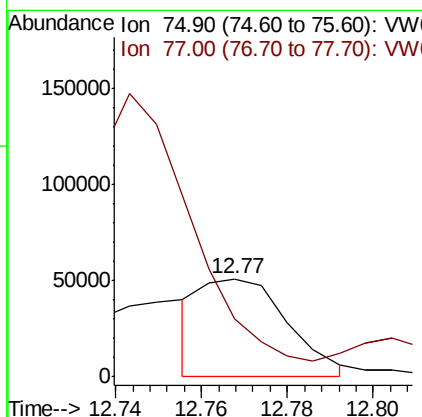
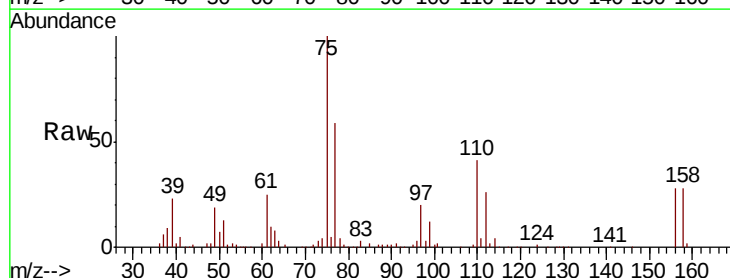
RT: 12.77 min Scan# 1782

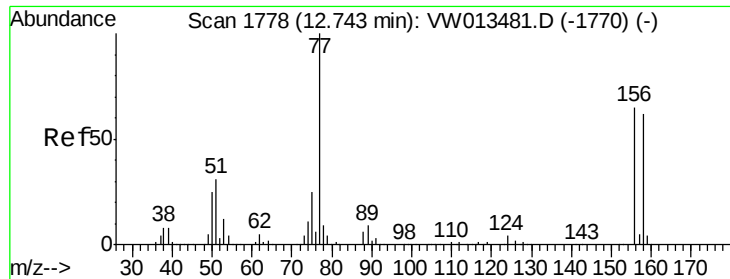
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion:	75	Resp:	71665
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.756 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

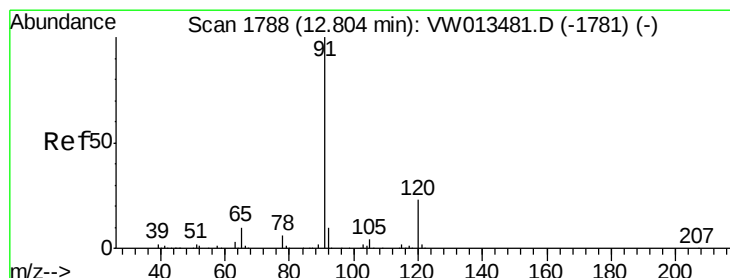
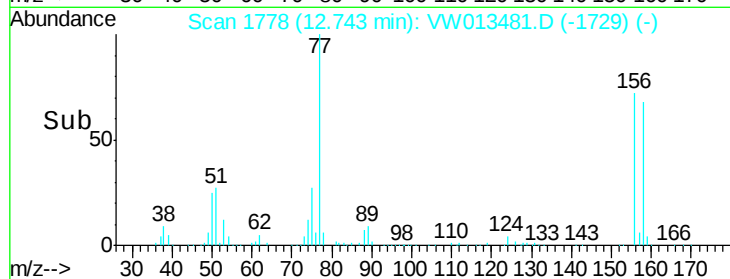
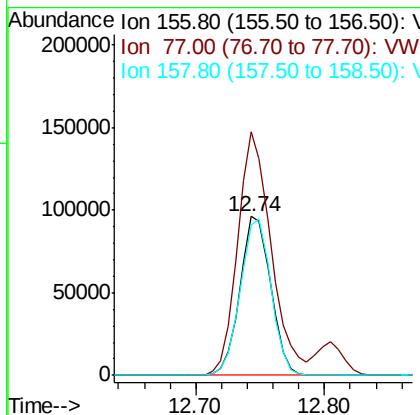
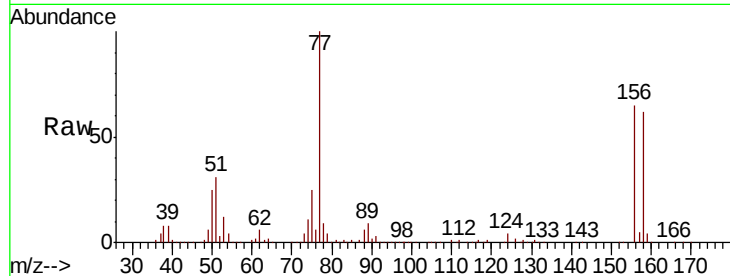
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		158933		
77	167.3	83.7	251.0		
158	98.0	49.0	147.0		

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#78

n-propylbenzene

Concen: 49.884 ug/l

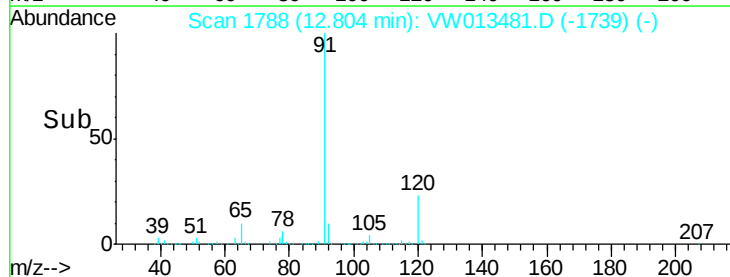
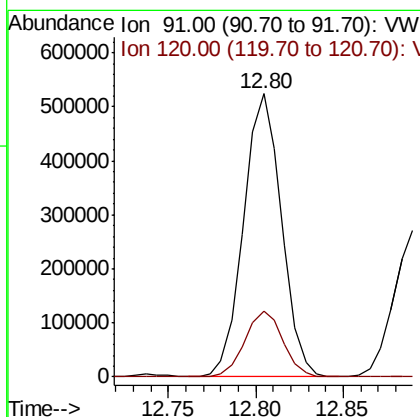
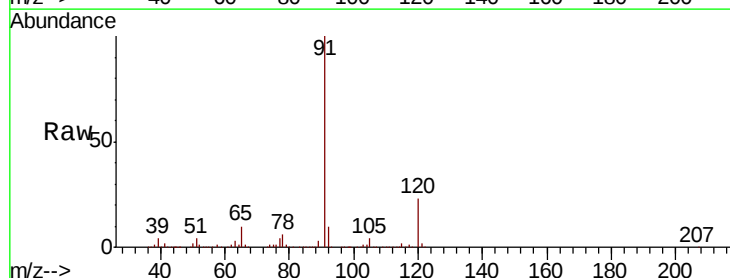
RT: 12.80 min Scan# 1788

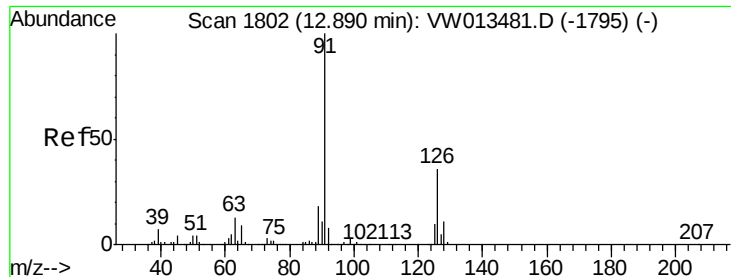
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		793298		
120	23.4	11.7	35.1		





#79

2-Chlorotoluene

Concen: 49.180 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 438178

Ion Ratio Lower Upper

91 100

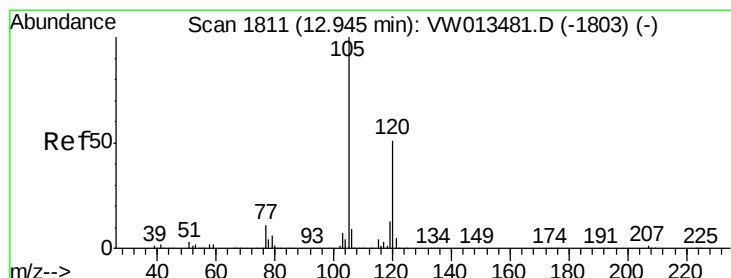
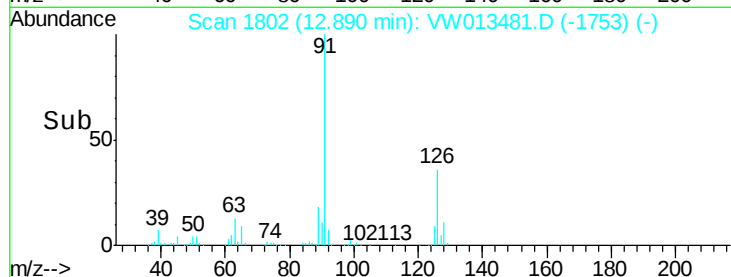
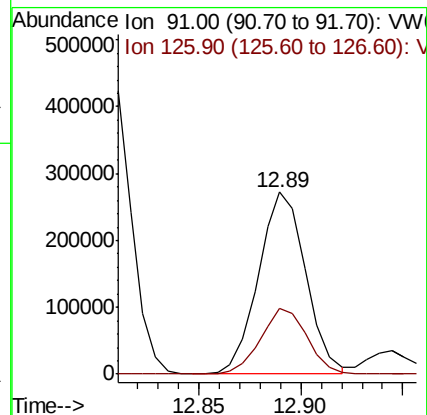
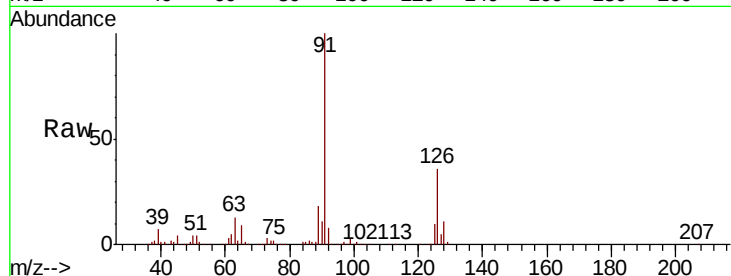
126 35.6 17.8 53.4

Manual Integrations

APPROVED

MMDadoda

10/9/2019 4:08:47 PM



#80

1,3,5-Trimethylbenzene

Concen: 49.754 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013481.D

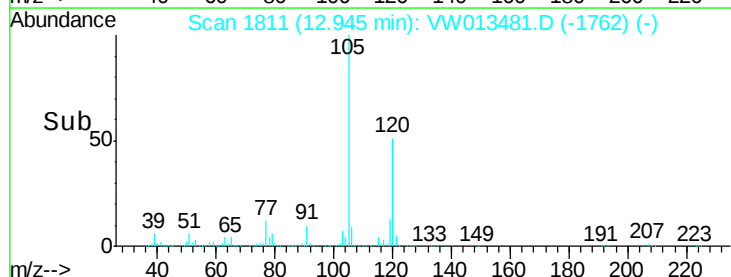
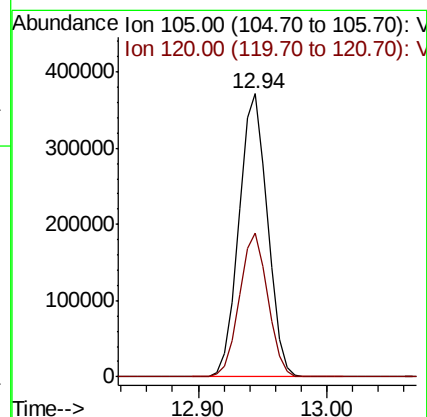
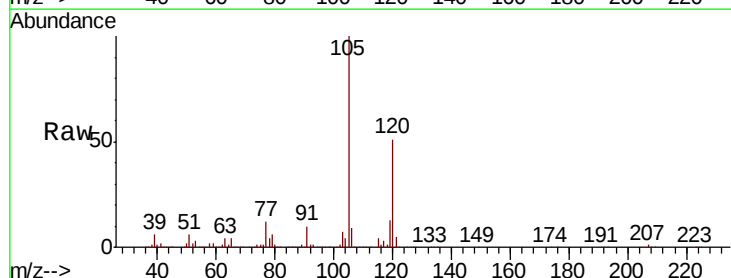
Acq: 08 Oct 2019 11:45

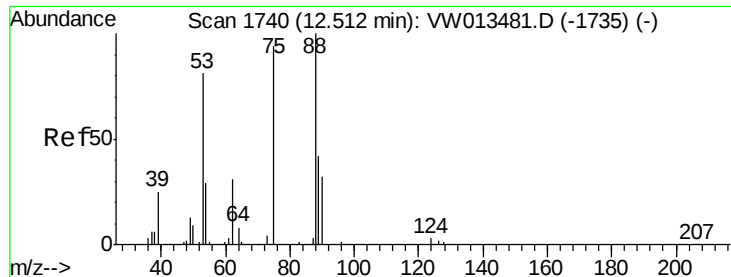
Tgt Ion: 105 Resp: 568533

Ion Ratio Lower Upper

105 100

120 50.7 25.4 76.0





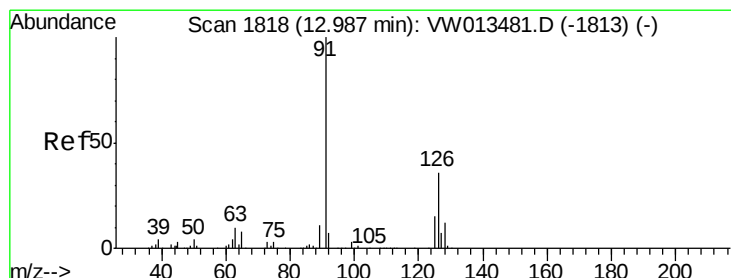
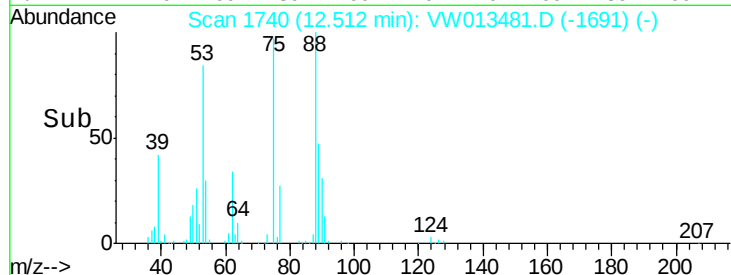
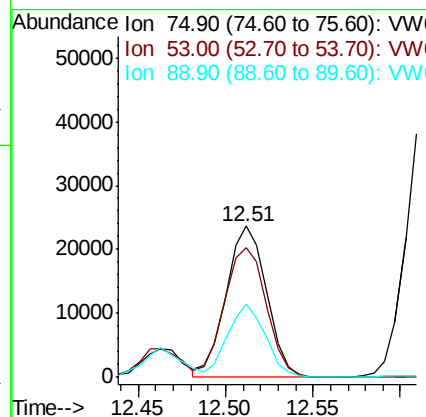
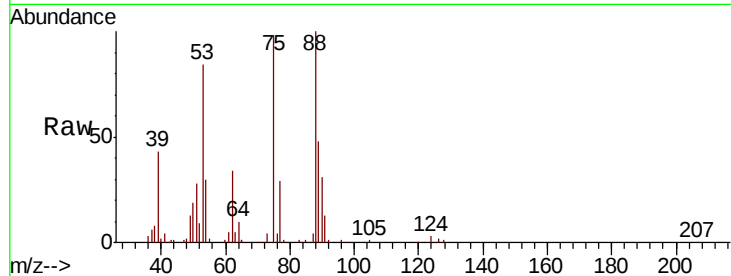
#81
trans-1,4-Dichloro-2-butene
Concen: 48.569 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	71.0	106.6
89	45.1	36.1	54.1

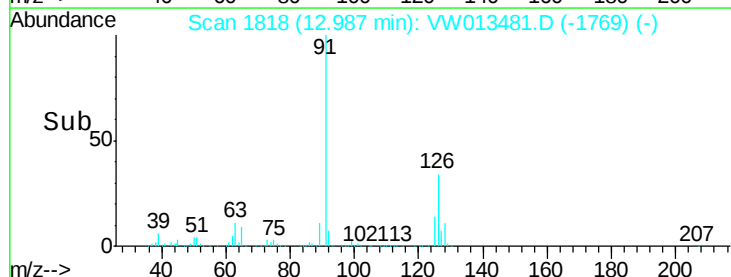
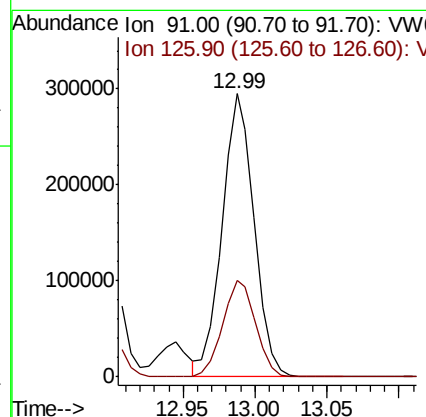
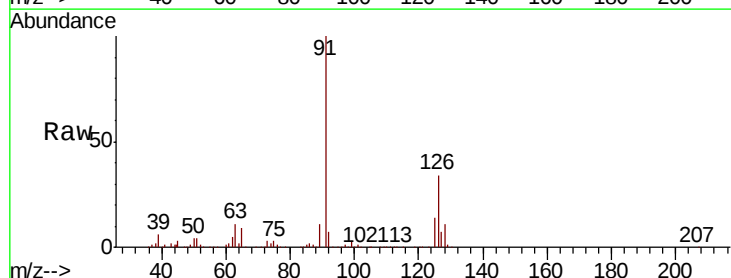
Manual Integrations
APPROVED

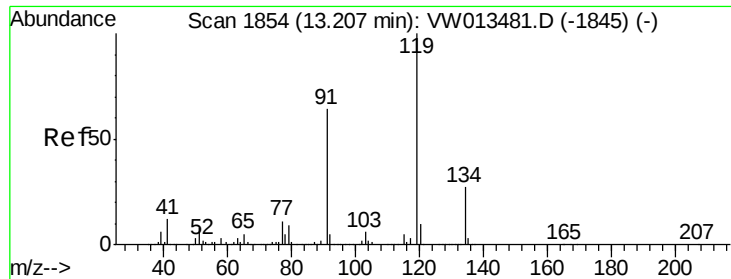
MMDadoda
10/9/2019 4:08:47 PM



#82
4-Chlorotoluene
Concen: 49.452 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





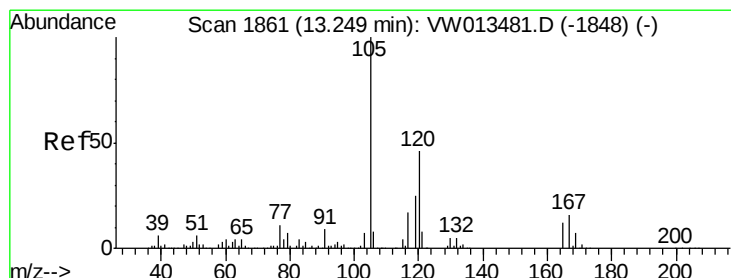
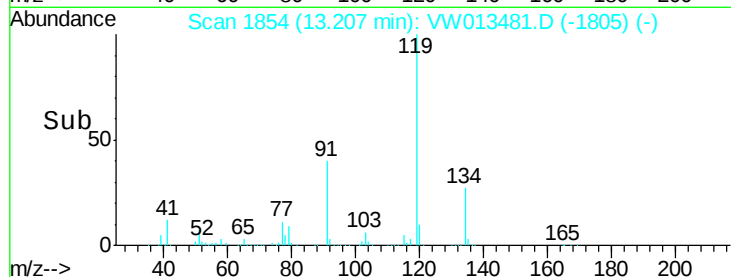
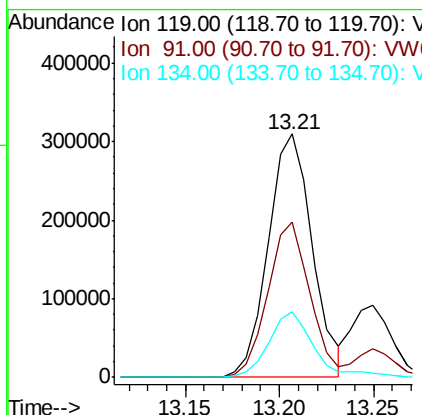
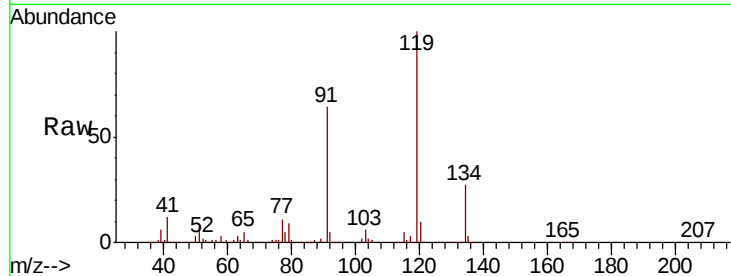
#83
 tert-Butylbenzene
 Concen: 49.449 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.6	91.6
134	27.5	13.8	41.3

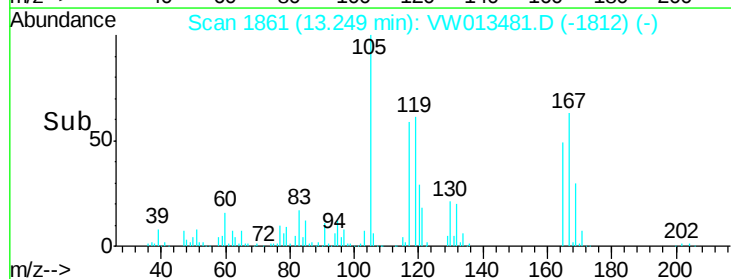
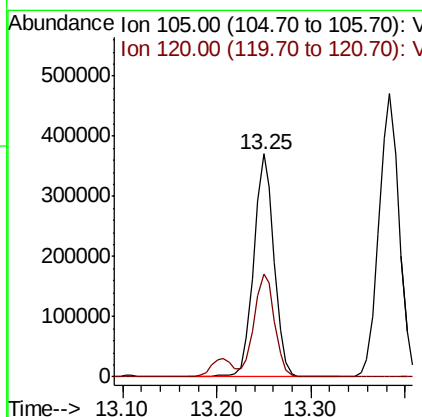
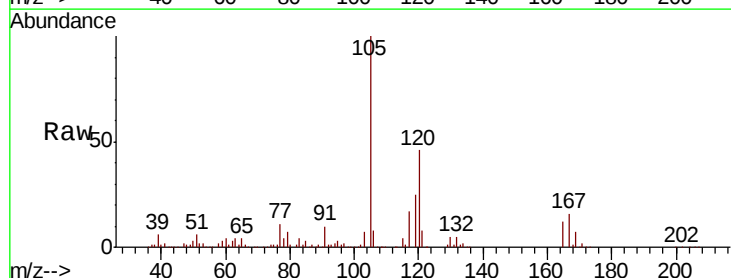
Manual Integrations
 APPROVED

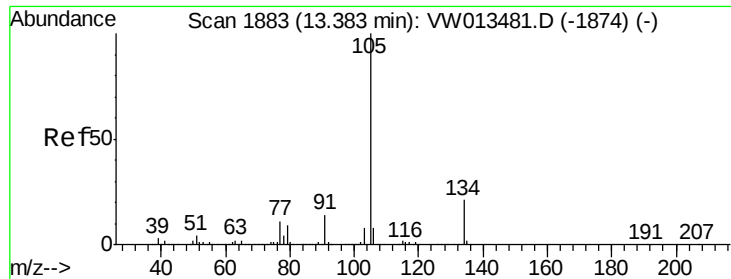
MMDadoda
 10/9/2019 4:08:47 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.633 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





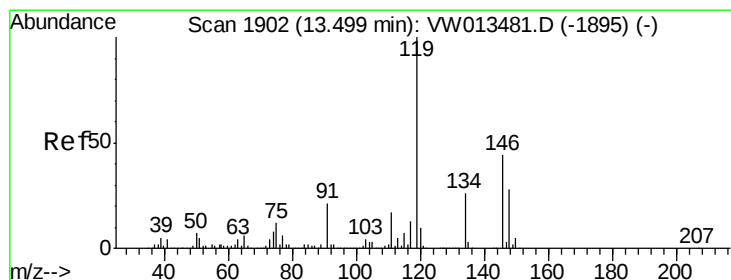
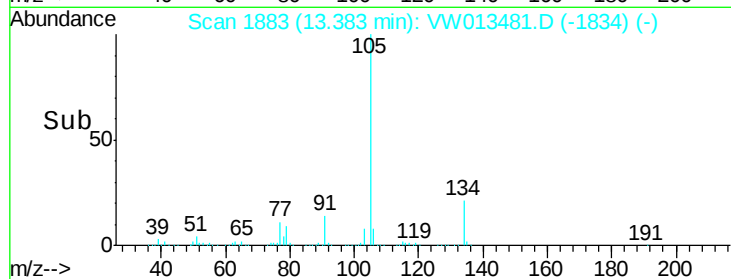
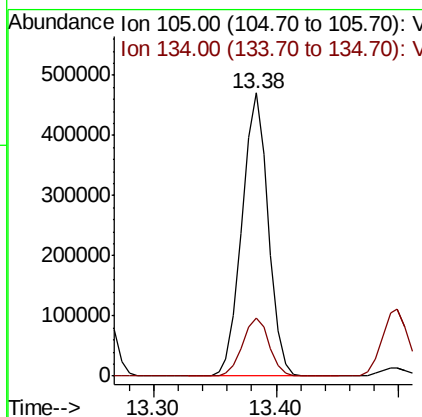
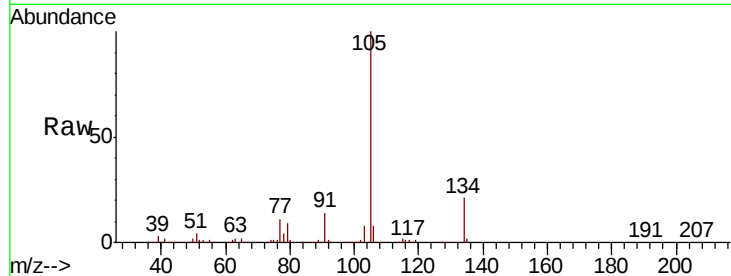
#85
 sec-Butylbenzene
 Concen: 49.860 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.4

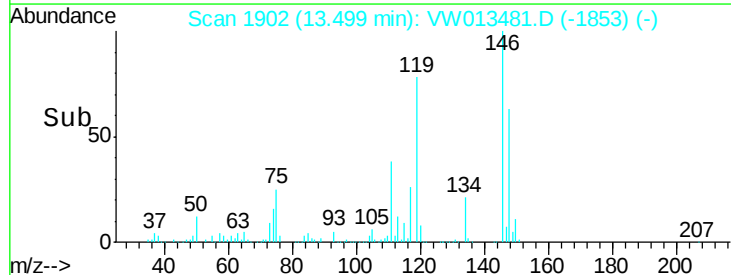
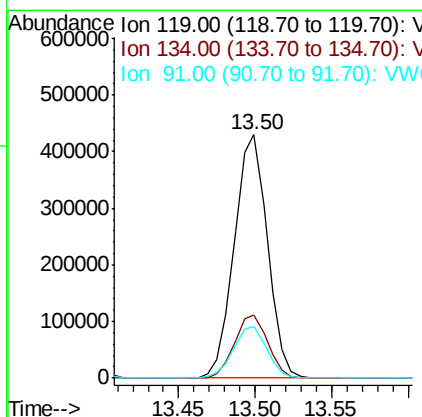
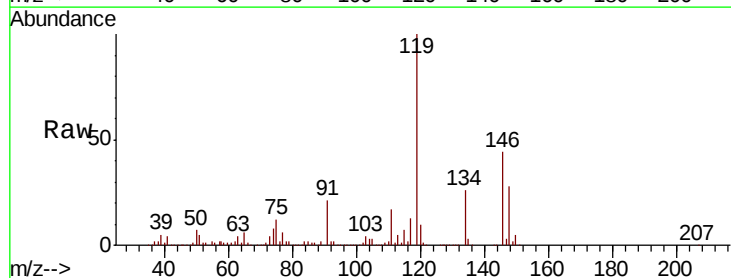
Manual Integrations
 APPROVED

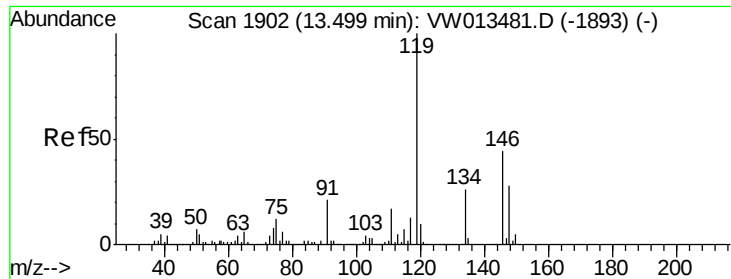
MMDadoda
 10/9/2019 4:08:47 PM



#86
 p-Isopropyltoluene
 Concen: 49.998 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	21.5	10.8	32.3





#87

1,3-Dichlorobenzene

Concen: 49.395 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

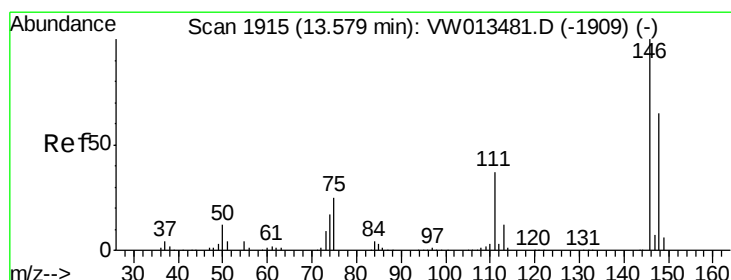
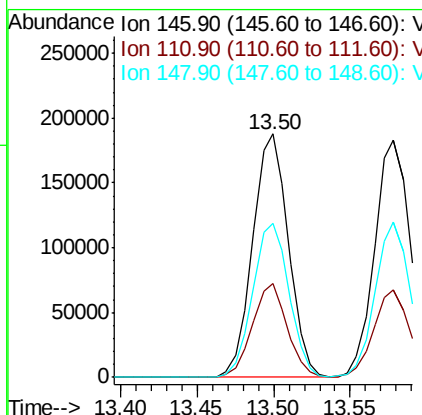
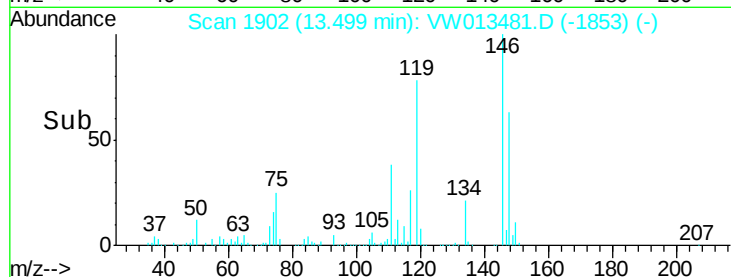
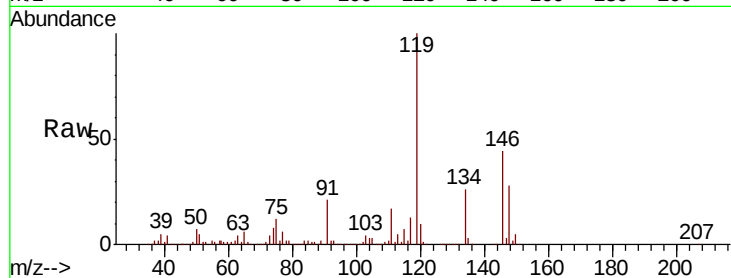
Instrument :
MSVOA_W

ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#88

1,4-Dichlorobenzene

Concen: 49.118 ug/l

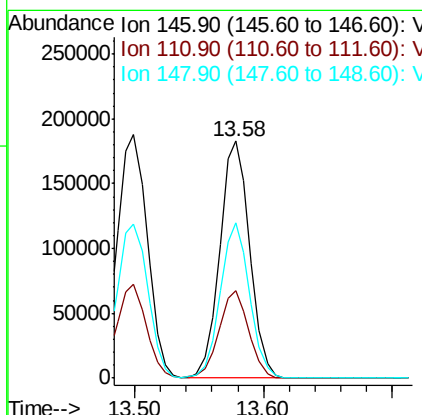
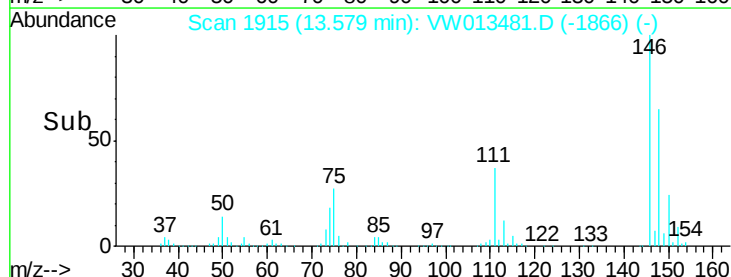
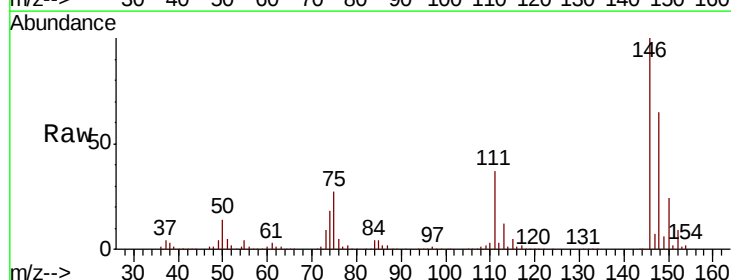
RT: 13.58 min Scan# 1915

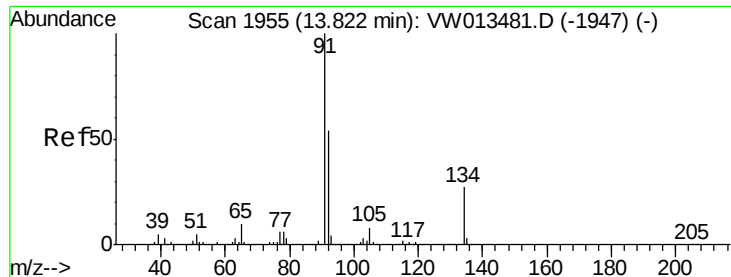
Delta R.T. 0.00 min

Lab File: VW013481.D

Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	64.1	32.0	96.2





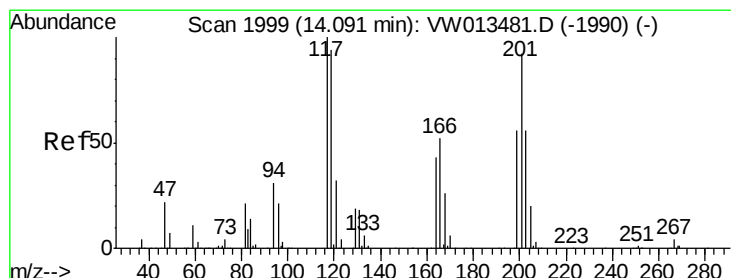
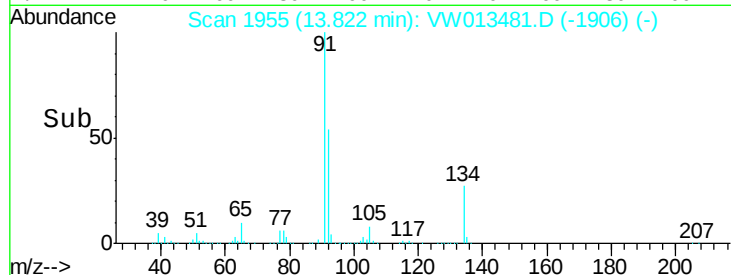
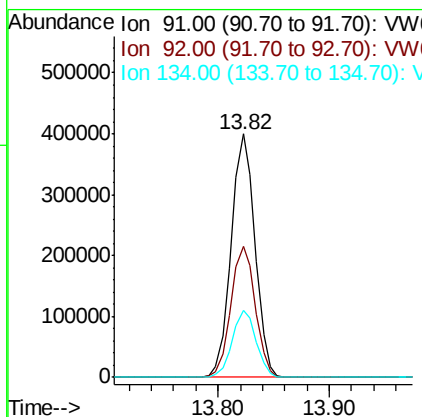
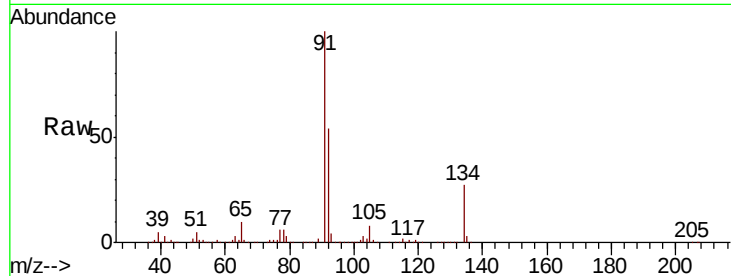
#89
n-Butylbenzene
Concen: 50.732 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	27.5	13.8	41.3

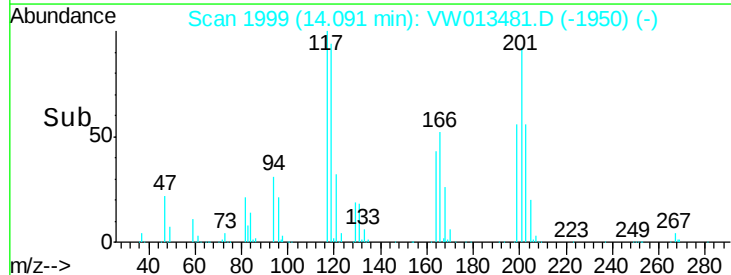
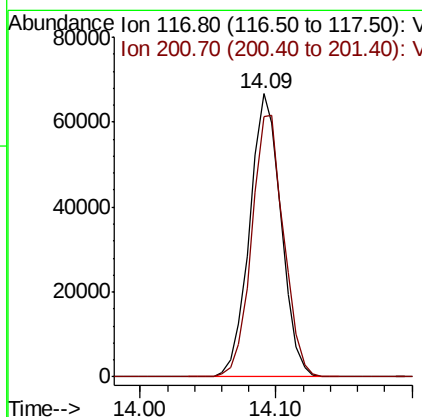
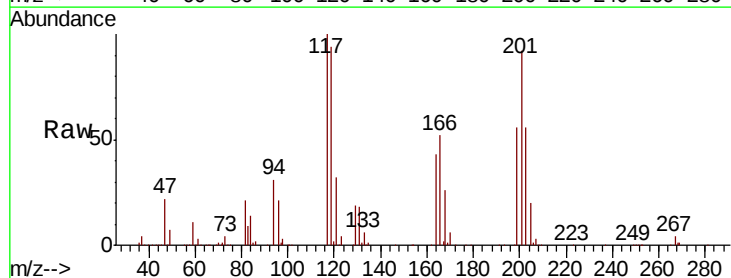
Manual Integrations
APPROVED

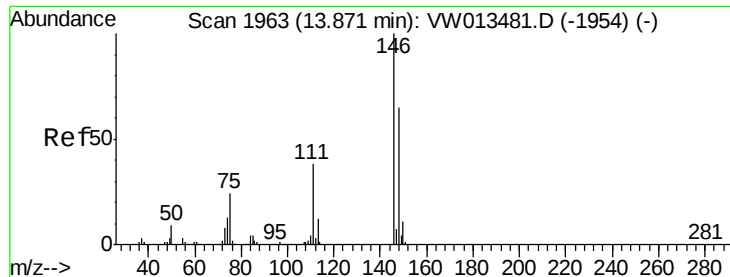
MMDadoda
10/9/2019 4:08:47 PM



#90
Hexachloroethane
Concen: 49.189 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.8	46.9	140.7





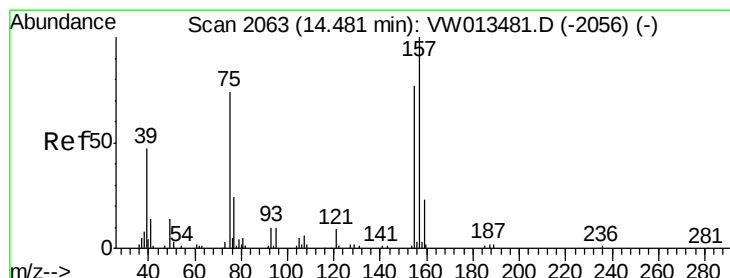
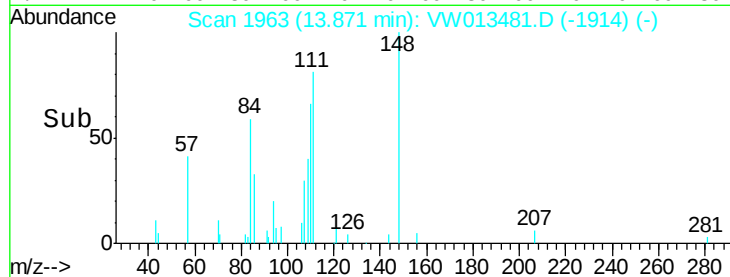
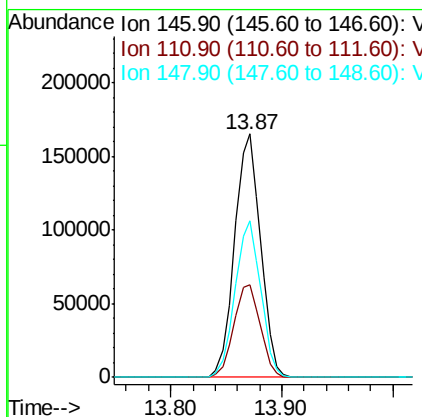
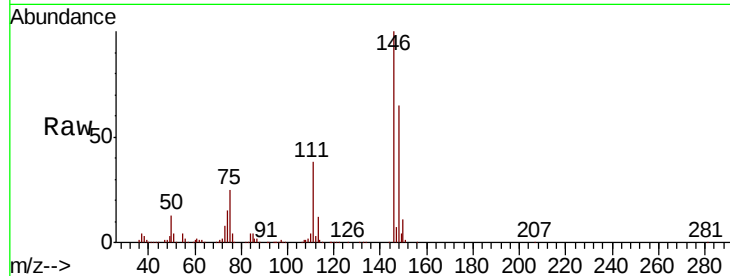
#91
 1,2-Dichlorobenzene
 Concen: 48.811 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.5	31.8	95.3

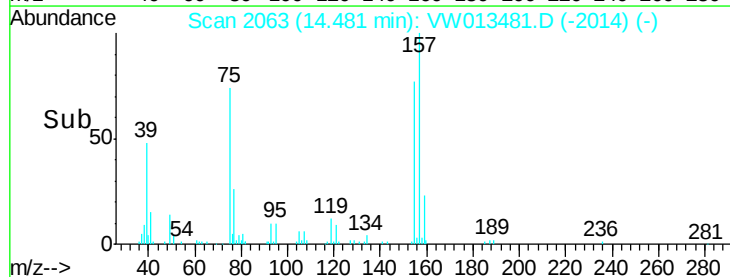
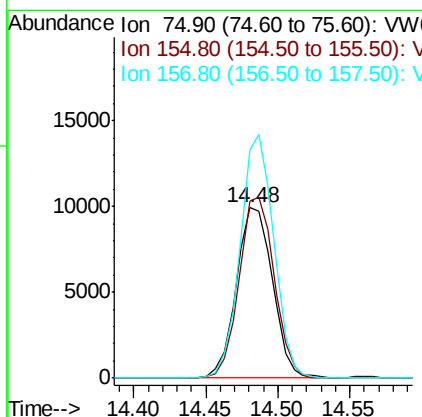
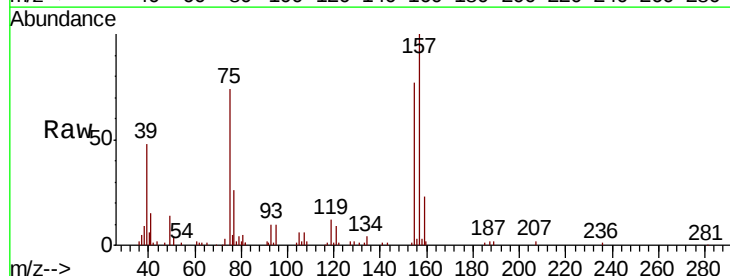
Manual Integrations
 APPROVED

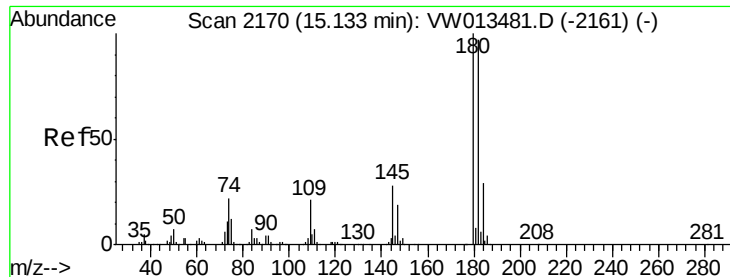
MMDadoda
 10/9/2019 4:08:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.476 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.1	51.0	153.1
157	131.8	65.9	197.7





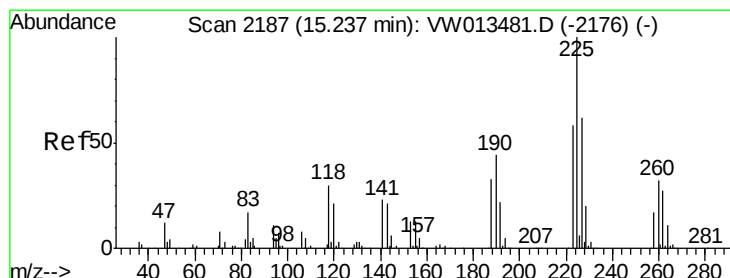
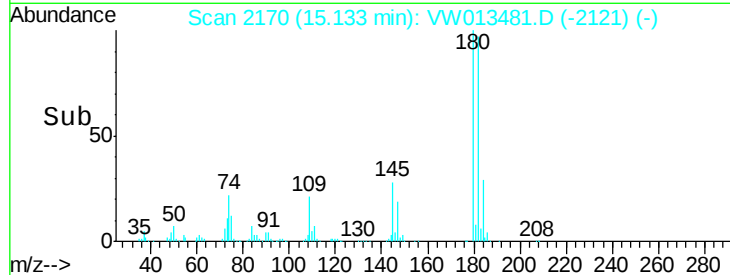
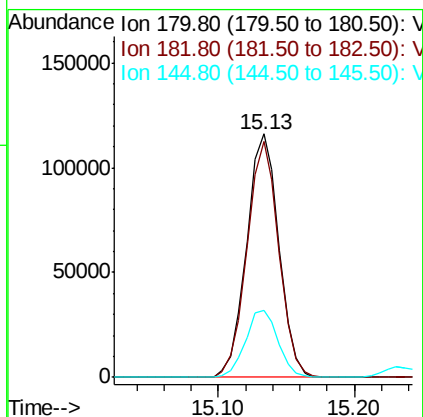
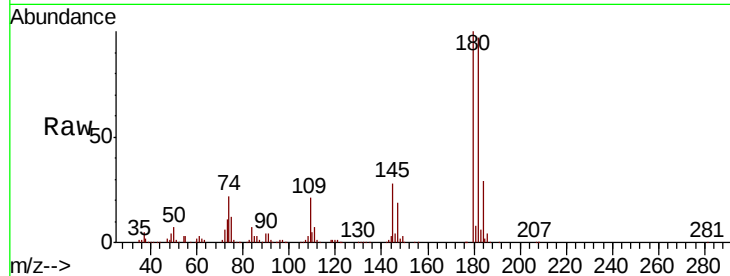
#93
 1,2,4-Trichlorobenzene
 Concen: 49.974 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	192744		
182	95.4	47.7	143.1	
145	27.9	14.0	41.9	

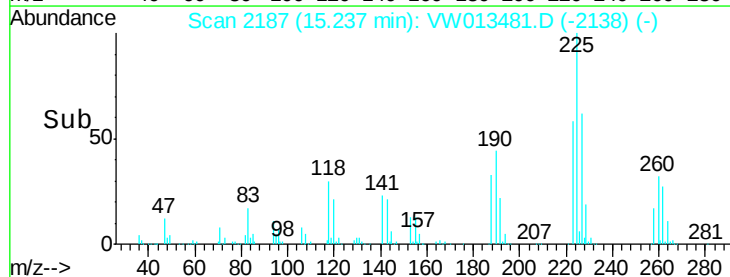
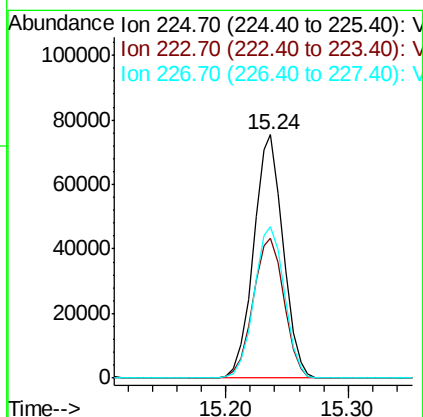
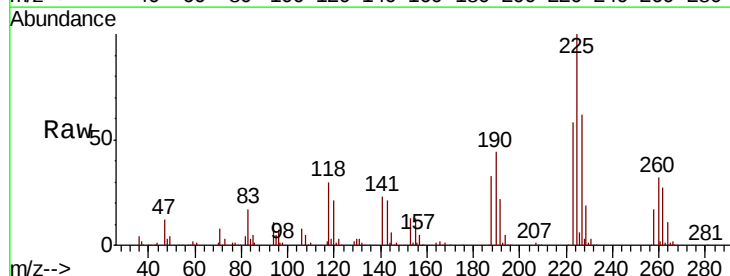
Manual Integrations
 APPROVED

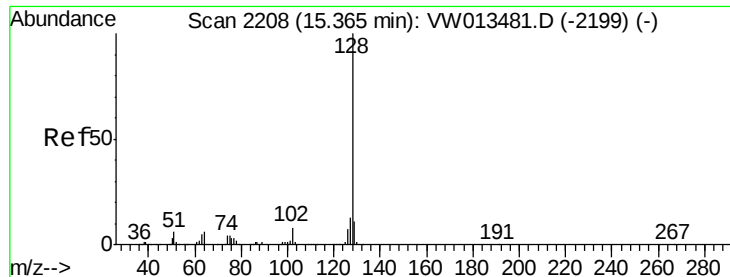
MMDadoda
 10/9/2019 4:08:47 PM



#94
 Hexachlorobutadiene
 Concen: 49.303 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013481.D
 Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126369		
223	60.6	30.3	90.9	
227	64.0	32.0	96.0	





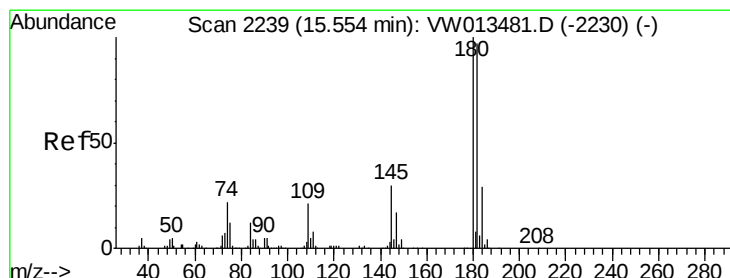
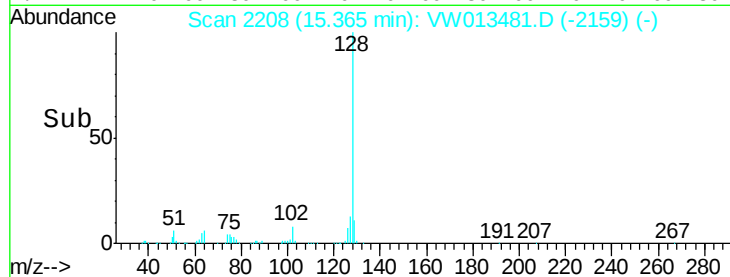
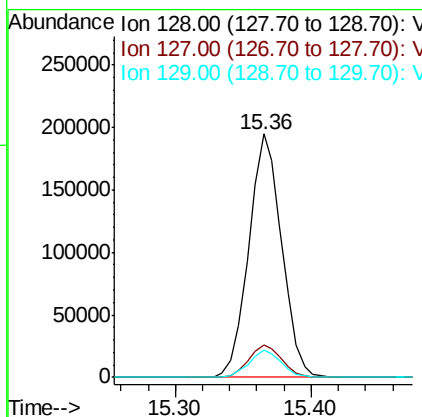
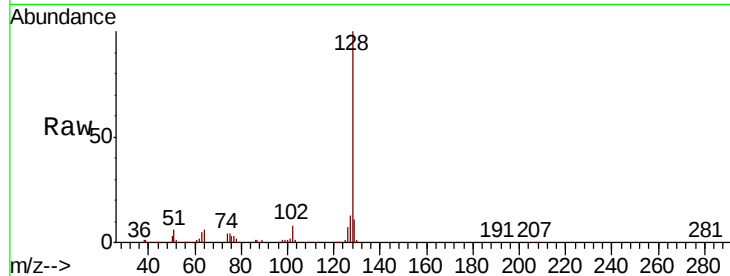
#95
Naphthalene
Concen: 49.464 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:08:47 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.938 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013481.D
Acq: 08 Oct 2019 11:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.7	143.1
145	29.9	14.9	44.9

