

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014611.D
 Acq On : 10 Jan 2020 20:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:01:52 PM

Quant Time: Jan 11 04:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	696300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1031106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	909257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	435454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	308711	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	7.88	113	302437	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.32	98	1253222	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.62	95	440219	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	189459	48.191	ug/l	98
3) Chloromethane	2.21	50	222372	46.210	ug/l	99
4) Vinyl Chloride	2.36	62	366295	51.752	ug/l	96
5) Bromomethane	2.78	94	227405	52.010	ug/l	97
6) Chloroethane	2.92	64	215104	53.313	ug/l	99
7) Trichlorofluoromethane	3.25	101	167000	47.158	ug/l	100
8) Diethyl Ether	3.68	74	193013	54.778	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	360907	54.544	ug/l	99
10) Methyl Iodide	4.27	142	518400	51.925	ug/l	100
11) Tert butyl alcohol	5.16	59	134768	290.858	ug/l	98
12) 1,1-Dichloroethene	4.04	96	372486	53.756	ug/l	95
13) Acrolein	3.89	56	185131	348.415	ug/l	100
14) Allyl chloride	4.66	41	558499	52.744	ug/l	100
15) Acrylonitrile	5.36	53	483008	299.896	ug/l	99
16) Acetone	4.12	43	502247	292.173	ug/l	99
17) Carbon Disulfide	4.38	76	1052669	50.404	ug/l	99
18) Methyl Acetate	4.66	43	239686	57.733	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	507904	59.049	ug/l	99
20) Methylene Chloride	4.92	84	374150	54.191	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	389560	52.947	ug/l	99
22) Diisopropyl ether	6.31	45	1084176	54.702	ug/l	99
23) Vinyl Acetate	6.25	43	3274347	273.584	ug/l	100
24) 1,1-Dichloroethane	6.21	63	665114	53.200	ug/l	99
25) 2-Butanone	7.16	43	656435	297.562	ug/l	99
26) 2,2-Dichloropropane	7.16	77	351770	50.821	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	412765	53.390	ug/l	100
28) Bromochloromethane	7.51	49	279025	56.927	ug/l	100
29) Tetrahydrofuran	7.52	42	400462	293.022	ug/l	98
30) Chloroform	7.67	83	624140	53.386	ug/l	99
31) Cyclohexane	7.95	56	664254	51.125	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	509265	54.162	ug/l	99
36) 1,1-Dichloropropene	8.08	75	535303	53.852	ug/l	100
37) Ethyl Acetate	7.24	43	265671	58.930	ug/l	99
38) Carbon Tetrachloride	8.07	117	468120	54.282	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014611.D
 Acq On : 10 Jan 2020 20:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:01:52 PM

Quant Time: Jan 11 04:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	704911	55.259	ug/l	99
40) Benzene	8.32	78	1512466	53.777	ug/l	100
41) Methacrylonitrile	7.48	41	148514	59.097	ug/l	100
42) 1,2-Dichloroethane	8.40	62	400567	54.883	ug/l	99
43) Isopropyl Acetate	8.42	43	483484	59.059	ug/l	100
44) Trichloroethene	9.09	130	416461	54.723	ug/l	90
45) 1,2-Dichloropropane	9.37	63	375736	54.442	ug/l	97
46) Dibromomethane	9.46	93	188683	55.380	ug/l	99
47) Bromodichloromethane	9.64	83	466113	55.413	ug/l	98
48) Methyl methacrylate	9.43	41	238627	59.702	ug/l	99
49) 1,4-Dioxane	9.44	88	74525	1169.494	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1299108	305.581	ug/l	99
52) Toluene	10.38	92	962661	54.407	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	482737	55.428	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	580534	54.540	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	280759	56.423	ug/l	99
56) Ethyl methacrylate	10.64	69	395020	61.085	ug/l	99
57) 1,3-Dichloropropane	10.93	76	495750	56.687	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	617601	314.021	ug/l	99
59) 2-Hexanone	10.96	43	941111	321.253	ug/l	100
60) Dibromochloromethane	11.13	129	312705	55.697	ug/l	99
61) 1,2-Dibromoethane	11.23	107	270325	57.232	ug/l	99
64) Tetrachloroethene	10.86	164	412159	62.612	ug/l	97
65) Chlorobenzene	11.65	112	984667	52.860	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	337288	53.777	ug/l	99
67) Ethyl Benzene	11.73	91	1820187	54.220	ug/l	99
68) m/p-Xylenes	11.83	106	1383882	107.711	ug/l	99
69) o-Xylene	12.16	106	649011	54.686	ug/l	100
70) Styrene	12.18	104	1108580	55.225	ug/l	99
71) Bromoform	12.35	173	189368	55.354	ug/l #	99
73) Isopropylbenzene	12.46	105	1801624	56.386	ug/l	100
74) N-amyl acetate	12.27	43	440498	61.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	324510	56.269	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	202016m	49.067	ug/l	
77) Bromobenzene	12.74	156	409245	55.147	ug/l	100
78) n-propylbenzene	12.80	91	2097311	55.822	ug/l	100
79) 2-Chlorotoluene	12.89	91	1171238	54.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1497982	55.837	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	108598	58.769	ug/l	98
82) 4-Chlorotoluene	12.99	91	1216689	54.772	ug/l	100
83) tert-Butylbenzene	13.21	119	1328122	56.544	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1471355	55.113	ug/l	99
85) sec-Butylbenzene	13.38	105	1859273	57.187	ug/l	100
86) p-Isopropyltoluene	13.49	119	1691079	57.065	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	794320	55.044	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	781615	54.863	ug/l	99
89) n-Butylbenzene	13.82	91	1589574	57.762	ug/l	99
90) Hexachloroethane	14.09	117	283570	54.776	ug/l	98
91) 1,2-Dichlorobenzene	13.86	146	708567	55.866	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	53393	58.464	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014611.D
 Acq On : 10 Jan 2020 20:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

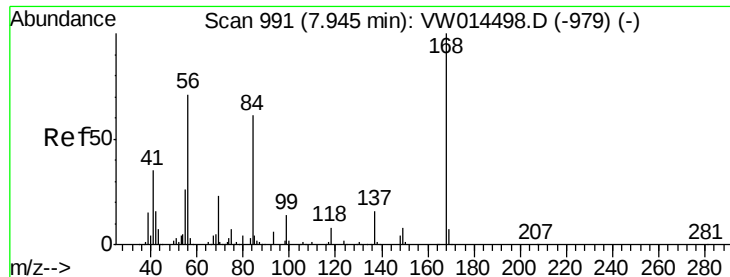
Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:01:52 PM

Quant Time: Jan 11 04:49:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	507270	59.225	ug/l	99
94) Hexachlorobutadiene	15.23	225	325741	56.751	ug/l	97
95) Naphthalene	15.36	128	980085	67.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	444412	59.526	ug/l	99

(#) = 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: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion:168 Resp: 696300

Ion Ratio Lower Upper

168 100

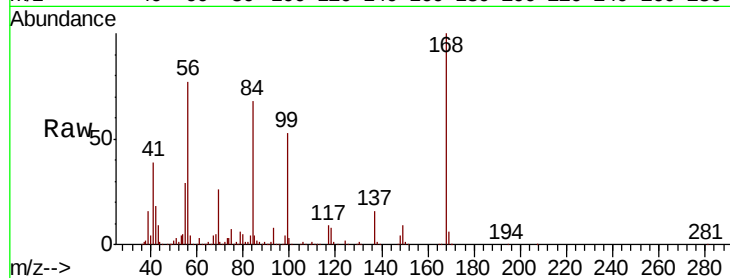
99 52.5 41.1 61.7

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:01:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

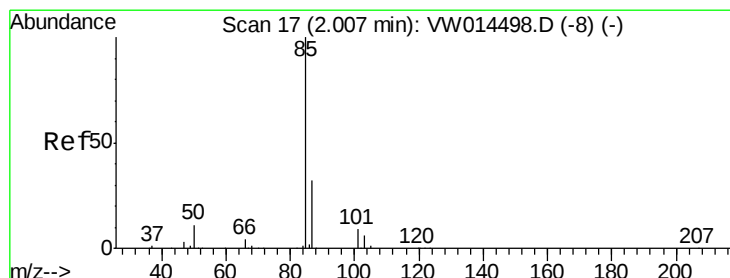
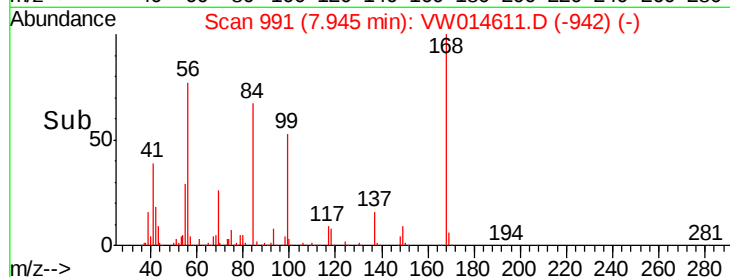
200000

100000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.191 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014611.D

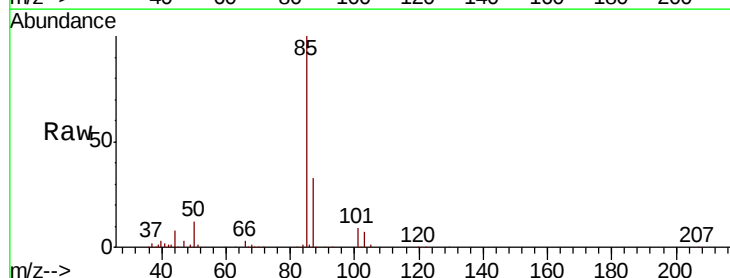
Acq: 10 Jan 2020 20:21

Tgt Ion: 85 Resp: 189459

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

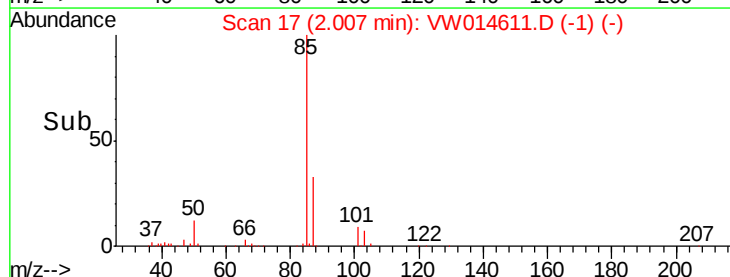
40000

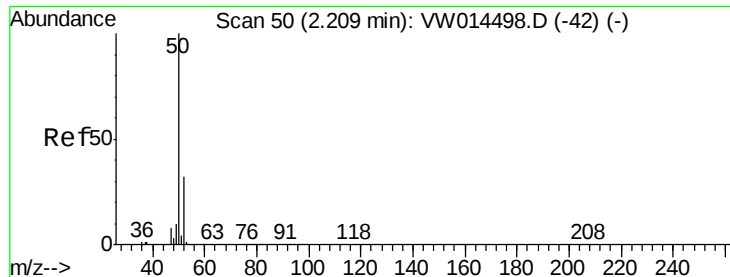
20000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 46.210 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 222372

Ion Ratio Lower Upper

50 100

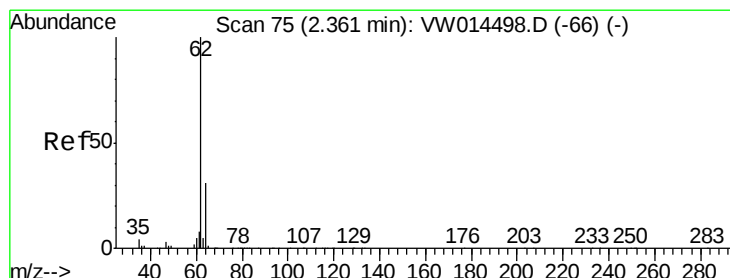
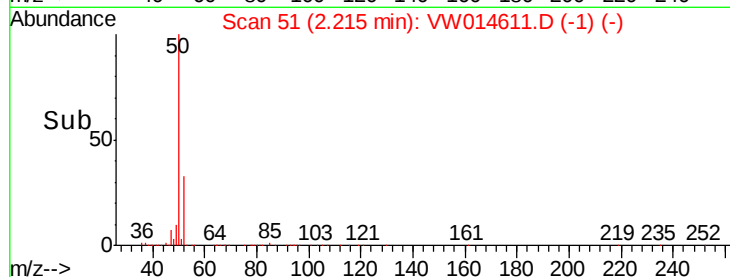
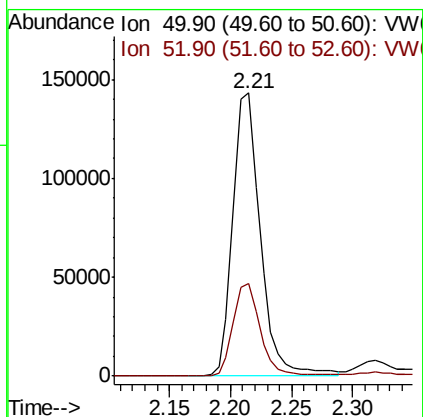
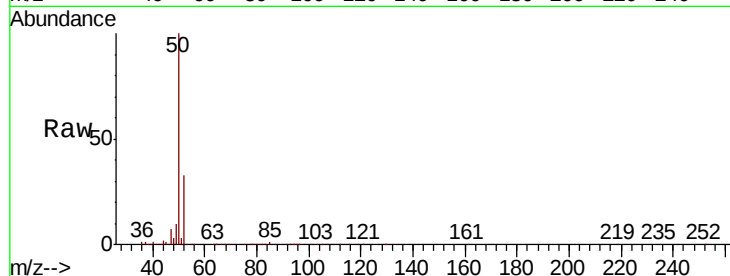
52 32.8 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:01:52 PM



#4

Vinyl Chloride

Concen: 51.752 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014611.D

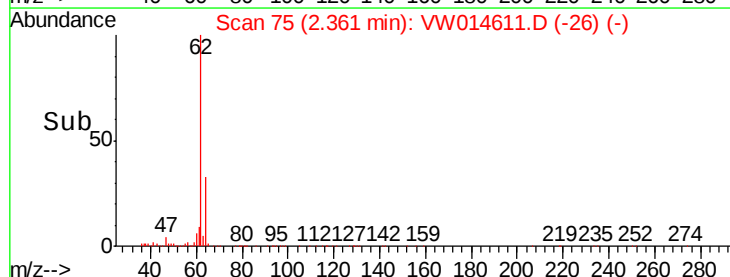
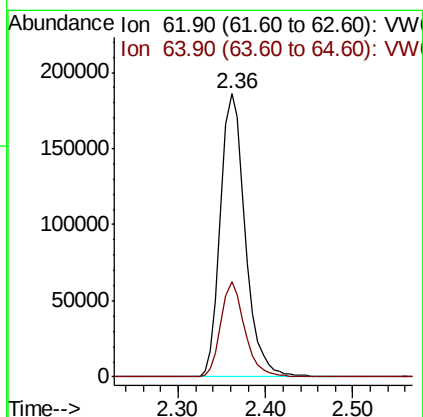
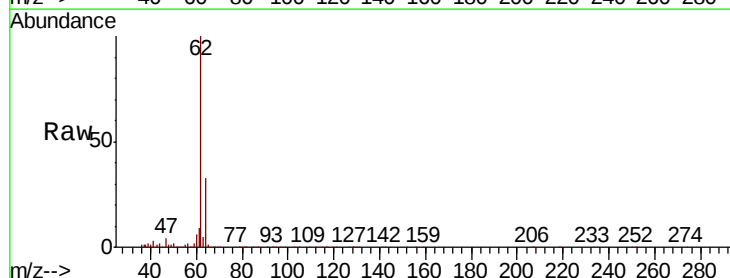
Acq: 10 Jan 2020 20:21

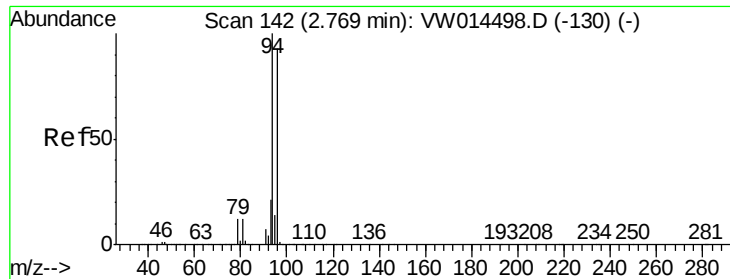
Tgt Ion: 62 Resp: 366295

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.4





#5

Bromomethane

Concen: 52.010 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 227405

Ion Ratio Lower Upper

94 100

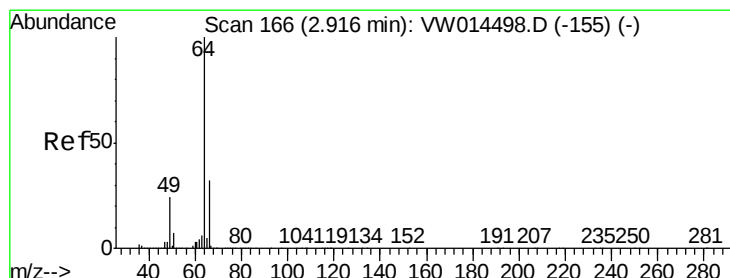
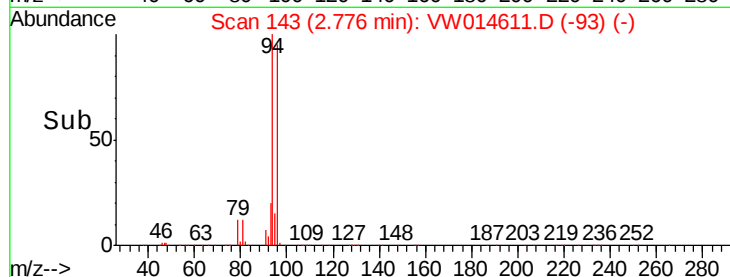
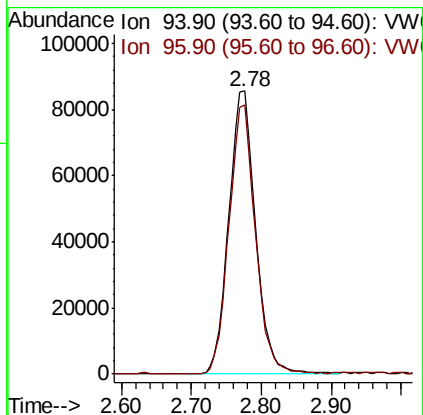
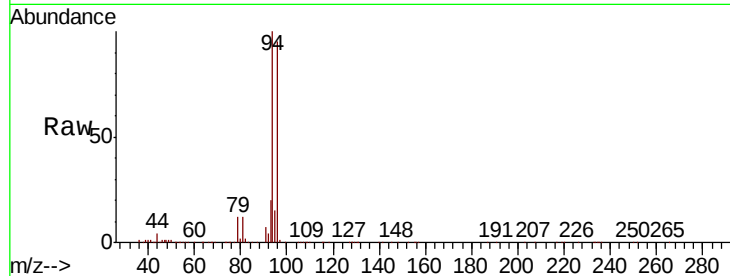
96 95.2 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:01:52 PM



#6

Chloroethane

Concen: 53.313 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014611.D

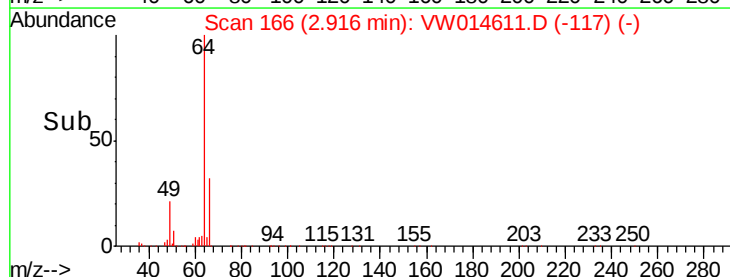
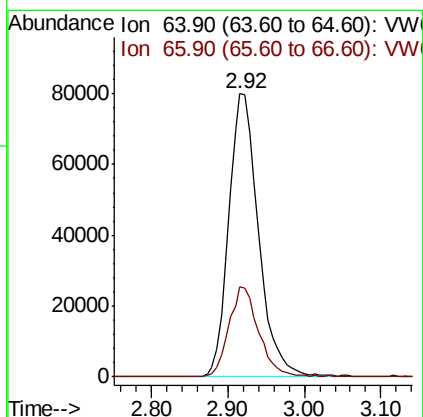
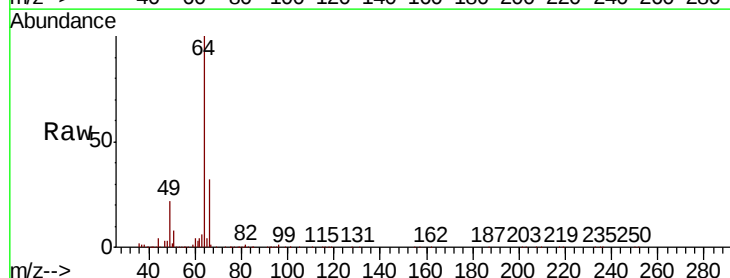
Acq: 10 Jan 2020 20:21

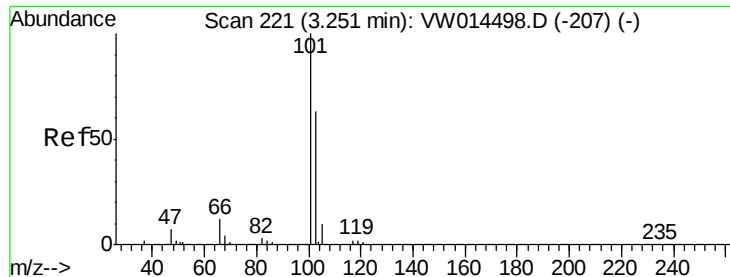
Tgt Ion: 64 Resp: 215104

Ion Ratio Lower Upper

64 100

66 31.6 25.7 38.5





#7

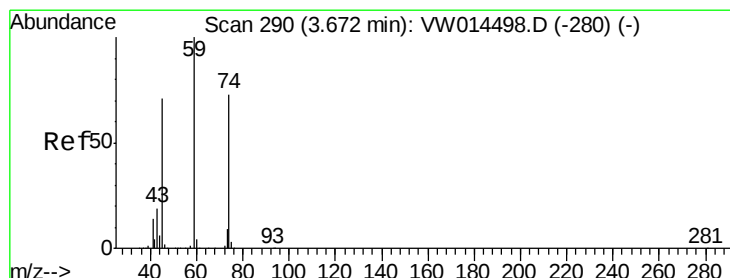
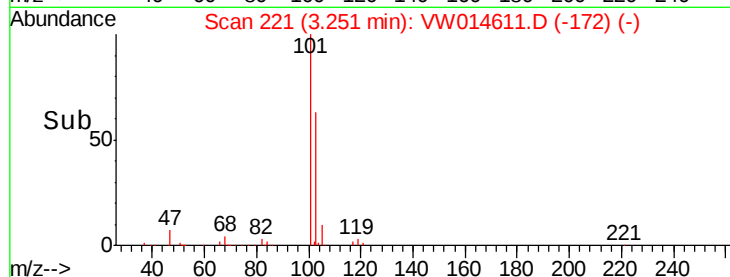
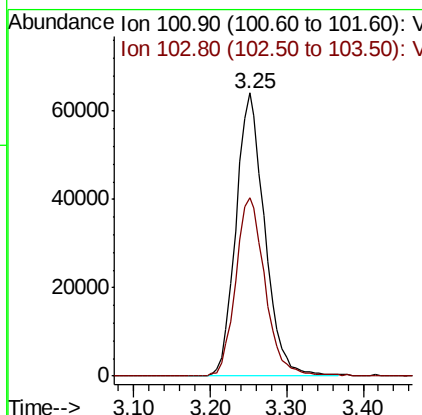
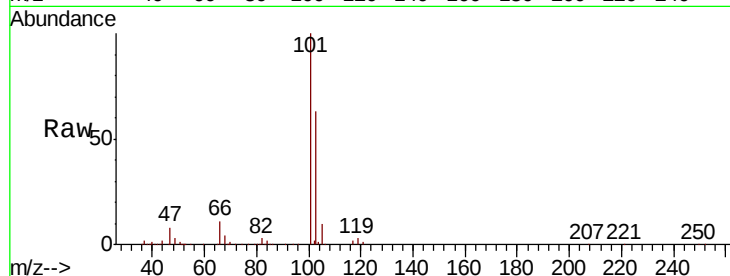
Trichlorofluoromethane
Concen: 47.158 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.1	75.1

Manual Integrations
APPROVED

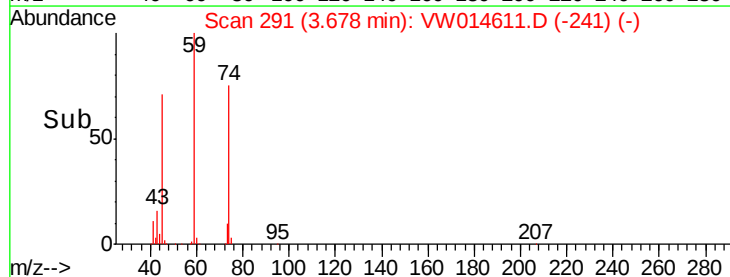
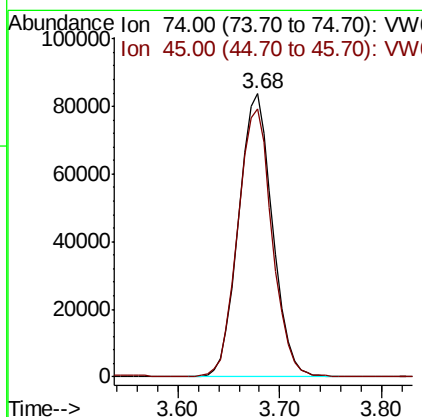
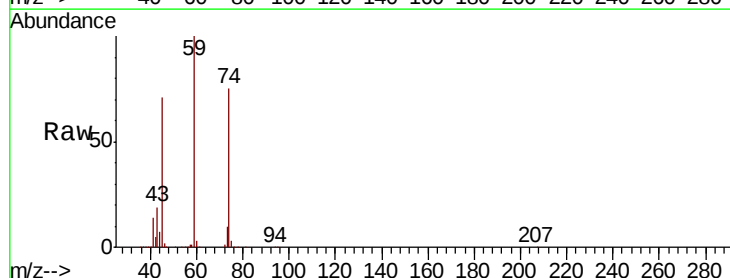
MMDadoda
1/13/2020 12:01:52 PM

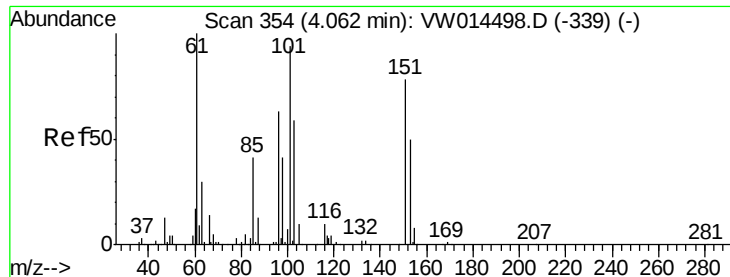


#8

Diethyl Ether
Concen: 54.778 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.544 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

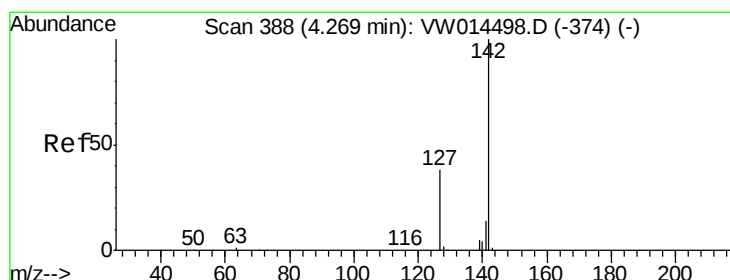
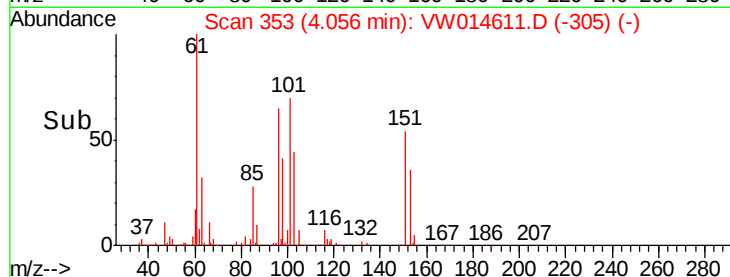
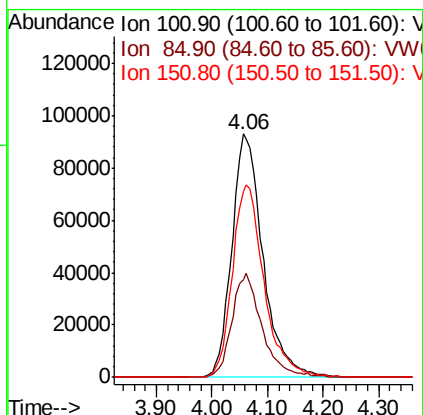
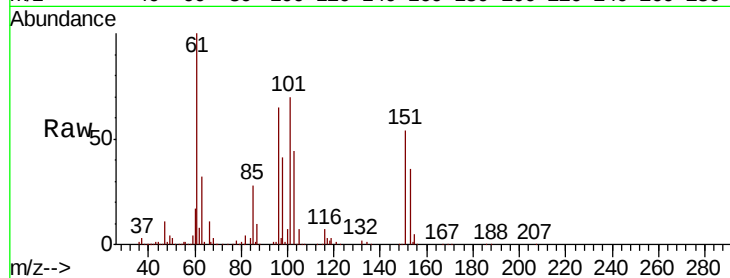
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	360907
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.7	50.5
151	80.2	63.5	95.3

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#10

Methyl Iodide

Concen: 51.925 ug/l

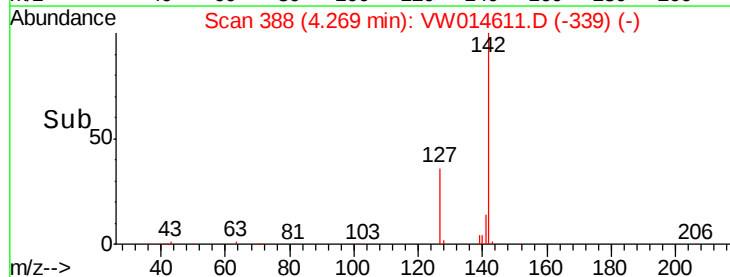
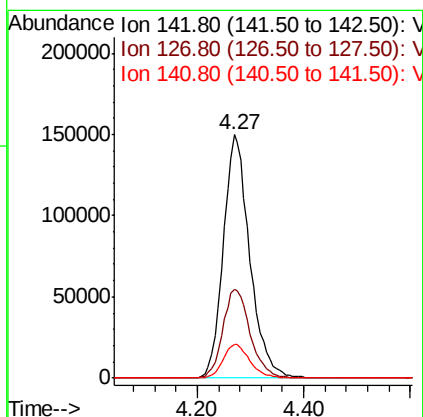
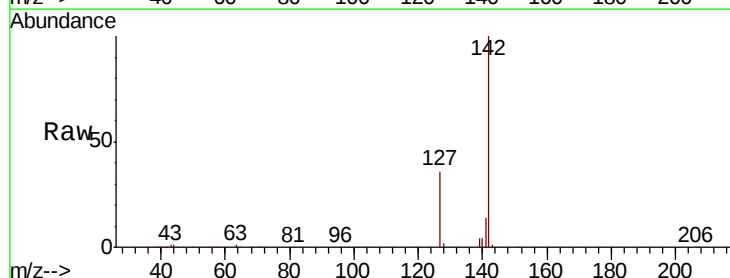
RT: 4.27 min Scan# 388

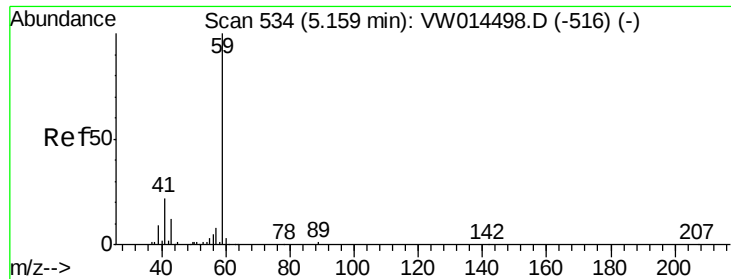
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:	142	Resp:	518400
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.2	45.4
141	14.3	11.4	17.2





#11

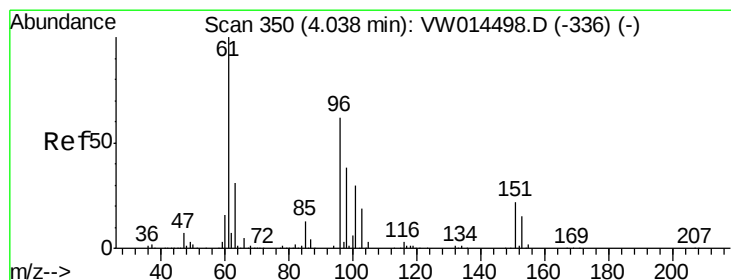
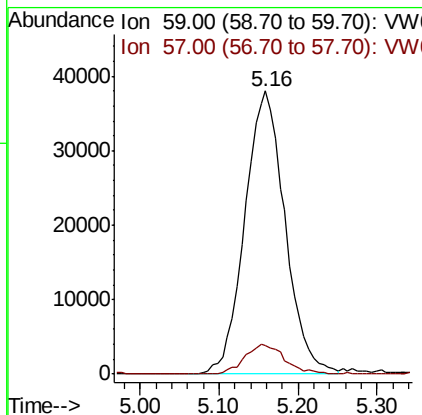
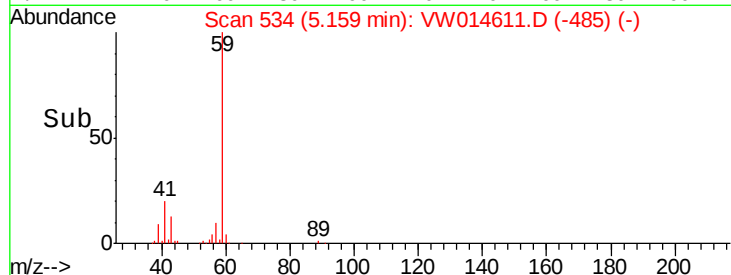
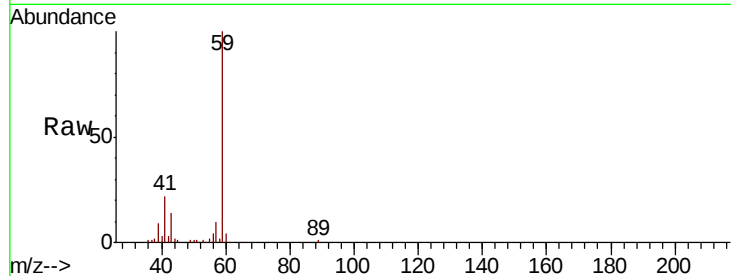
Tert butyl alcohol
Concen: 290.858 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.8

Manual Integrations
APPROVED

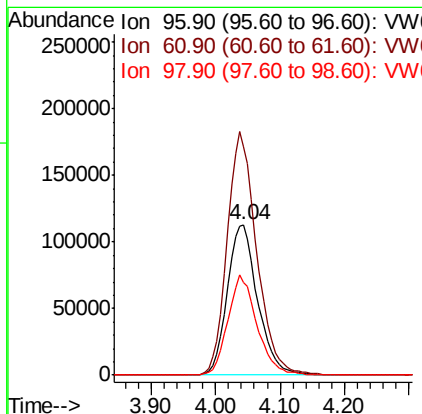
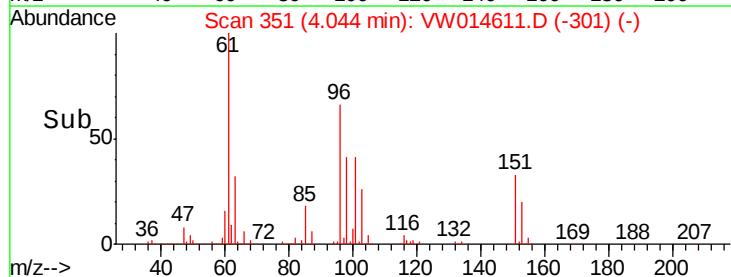
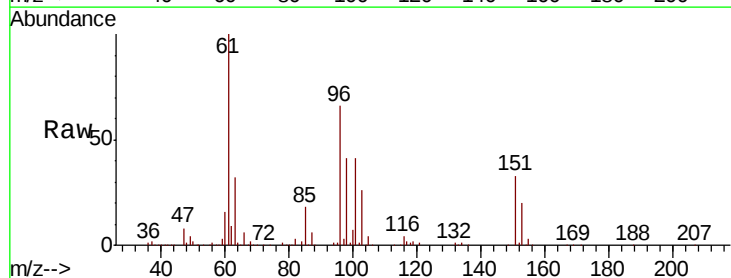
MMDadoda
1/13/2020 12:01:52 PM

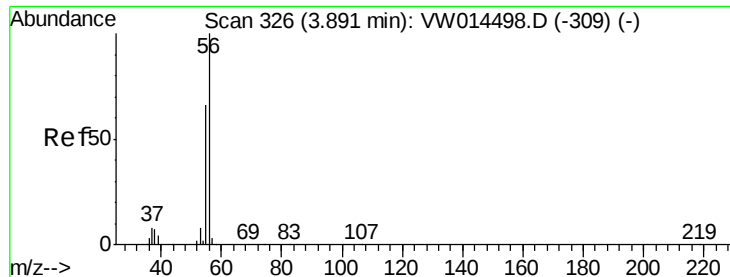


#12

1,1-Dichloroethene
Concen: 53.756 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	128.4	192.6
98	61.6	49.1	73.7





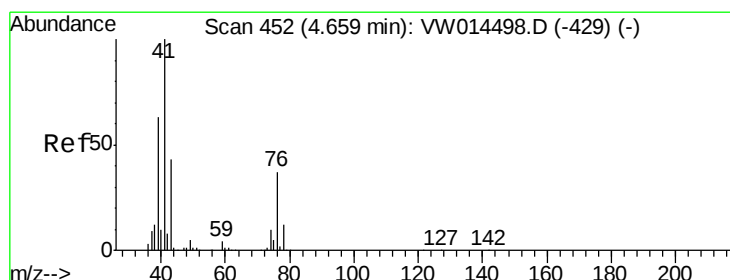
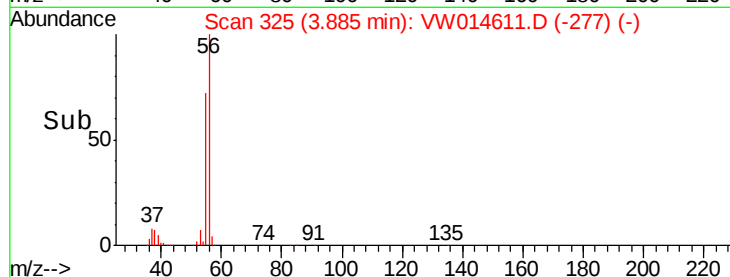
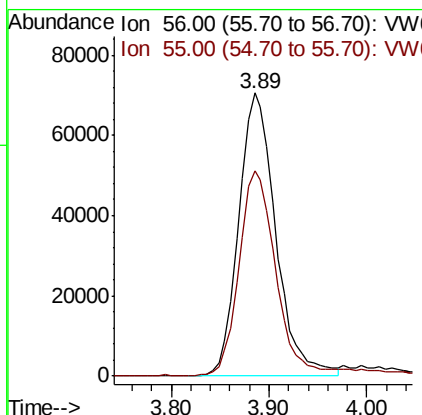
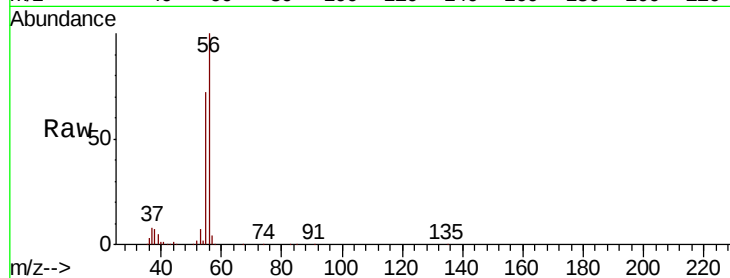
#13
Acrolein
Concen: 348.415 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.7	85.1

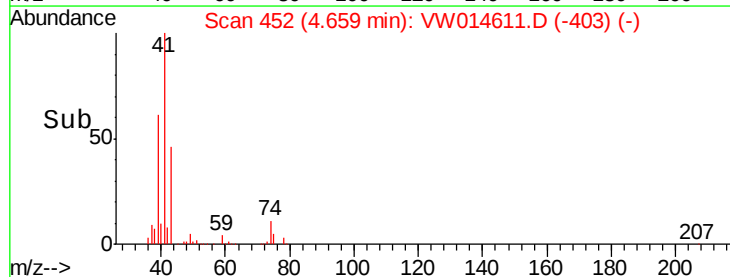
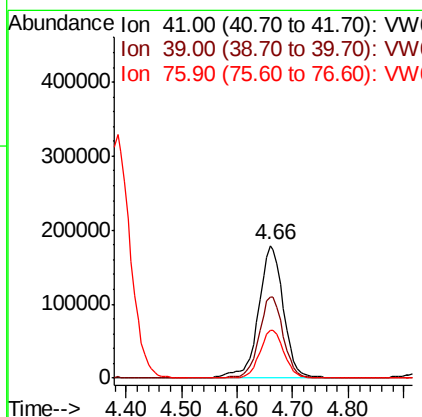
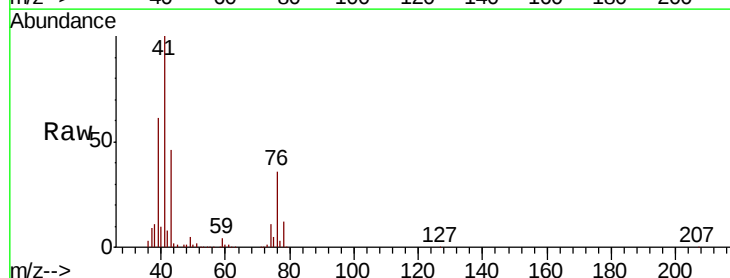
Manual Integrations
APPROVED

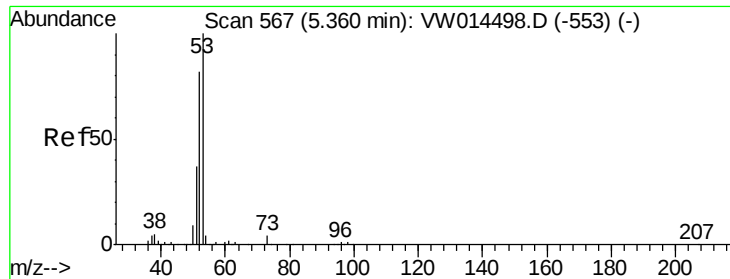
MMDadoda
1/13/2020 12:01:52 PM



#14
Allyl chloride
Concen: 52.744 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.1	48.5	72.7
76	35.0	28.1	42.1





#15

Acrylonitrile

Concen: 299.896 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

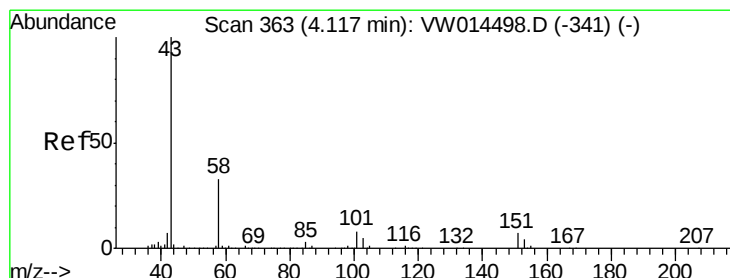
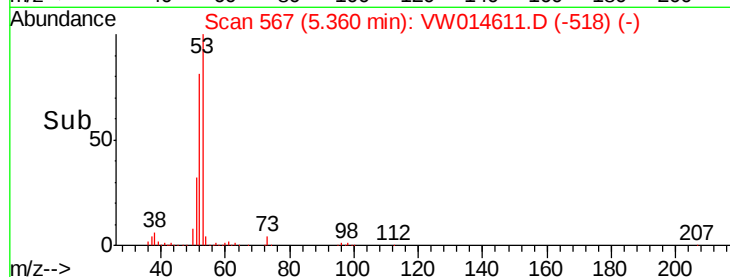
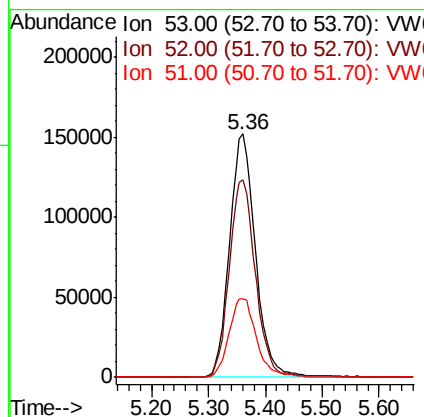
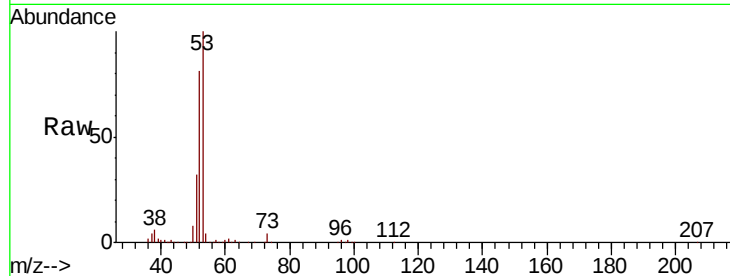
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	483008
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	34.4	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#16

Acetone

Concen: 292.173 ug/l

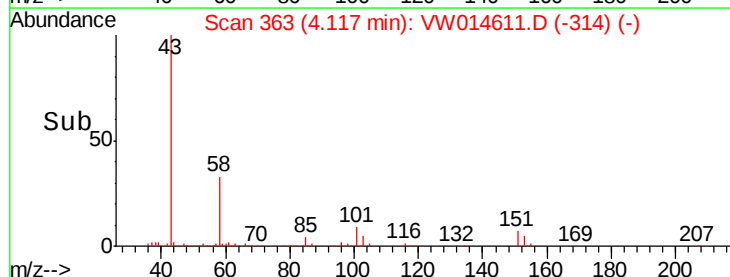
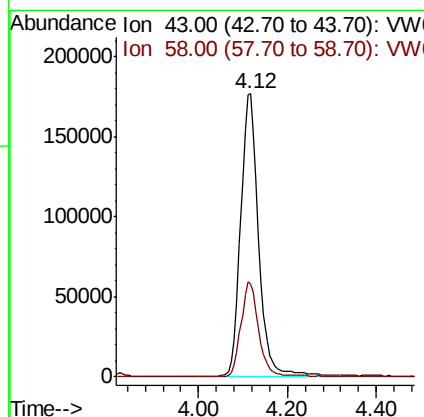
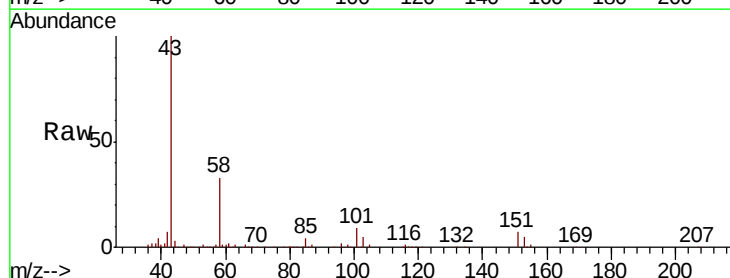
RT: 4.12 min Scan# 363

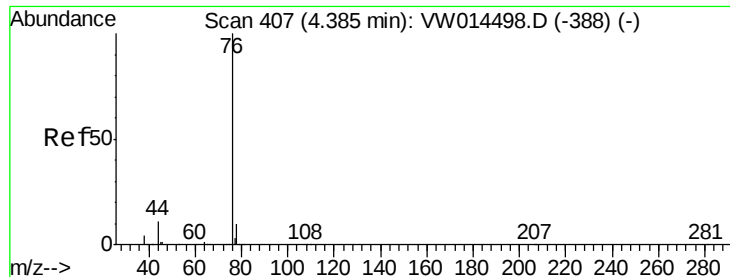
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:	43	Resp:	502247
Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.6	39.8





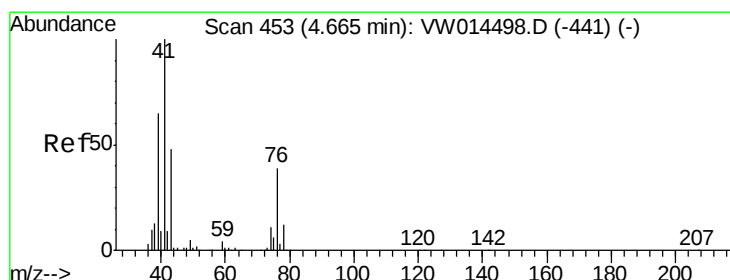
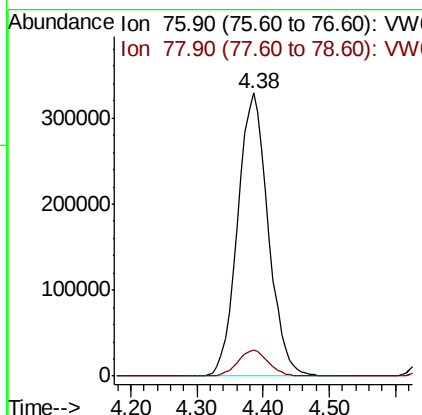
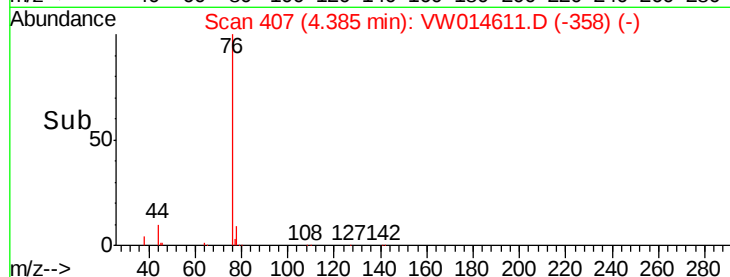
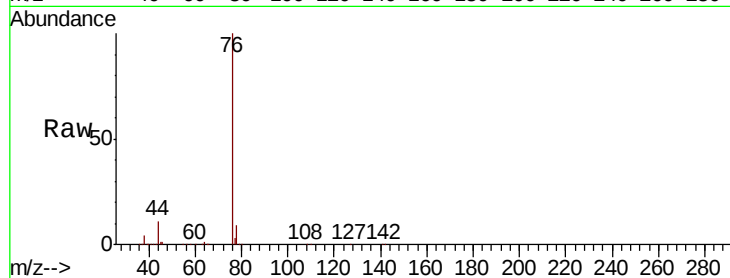
#17
Carbon Disulfide
Concen: 50.404 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.8	11.6

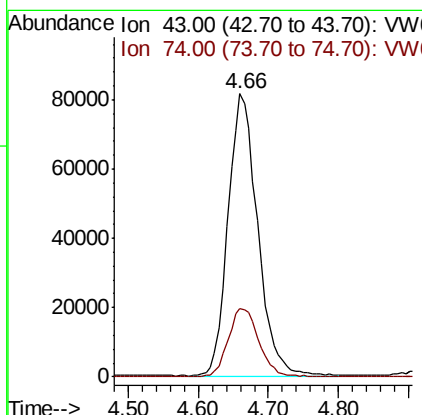
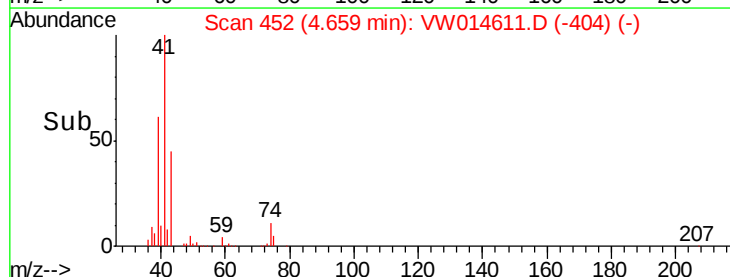
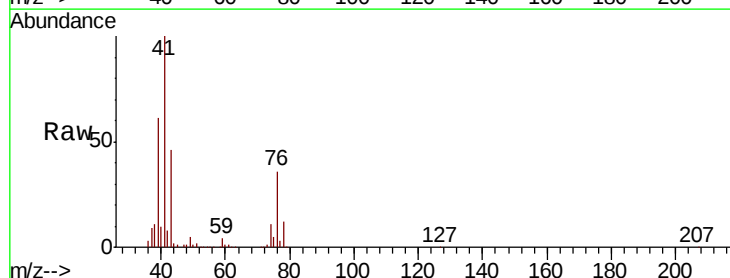
Manual Integrations
APPROVED

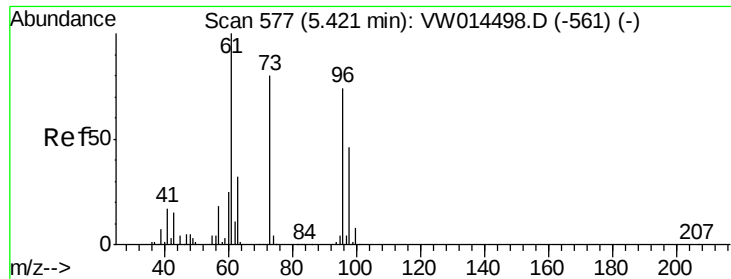
MMDadoda
1/13/2020 12:01:52 PM



#18
Methyl Acetate
Concen: 57.733 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.3	28.9





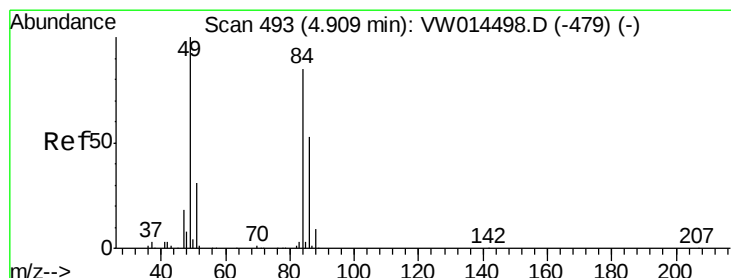
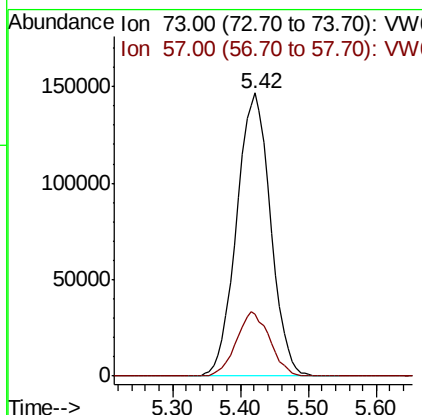
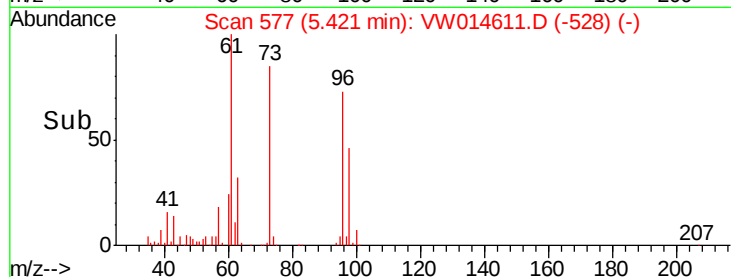
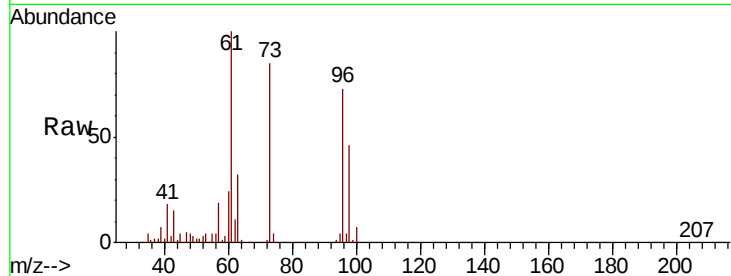
#19
Methvl tert-butvl Ether
Concen: 59.049 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 507904
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

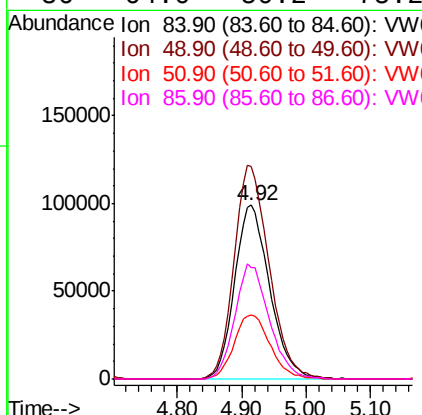
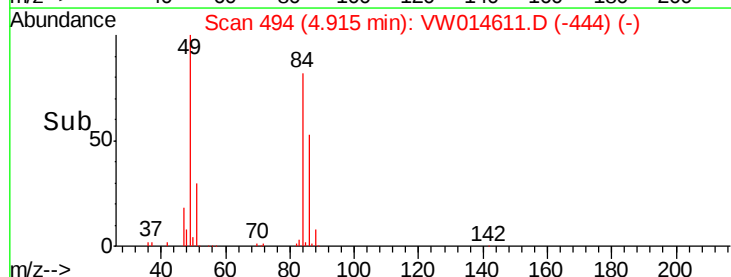
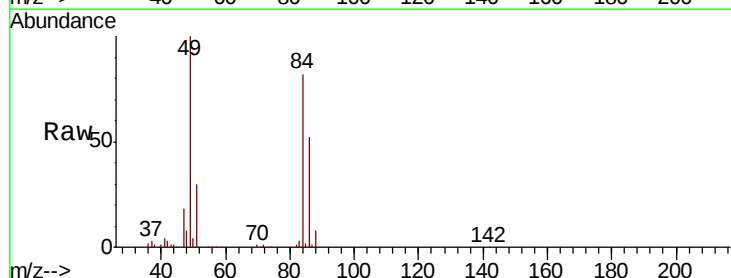
Manual Integrations
APPROVED

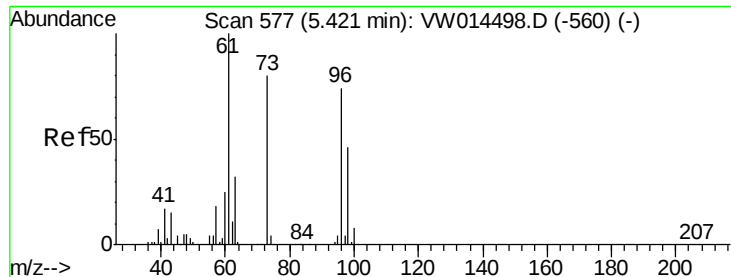
MMDadoda
1/13/2020 12:01:52 PM



#20
Methylene Chloride
Concen: 54.191 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 84 Resp: 374150
Ion Ratio Lower Upper
84 100
49 122.1 94.4 141.6
51 36.9 29.5 44.3
86 64.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 52.947 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

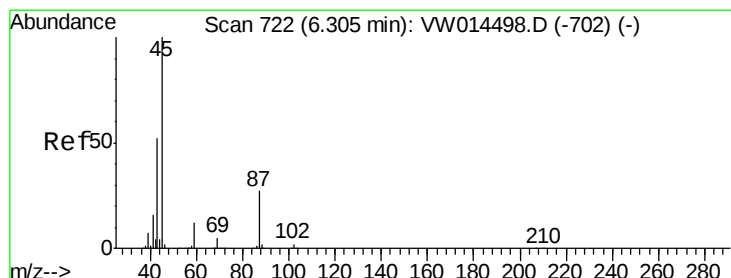
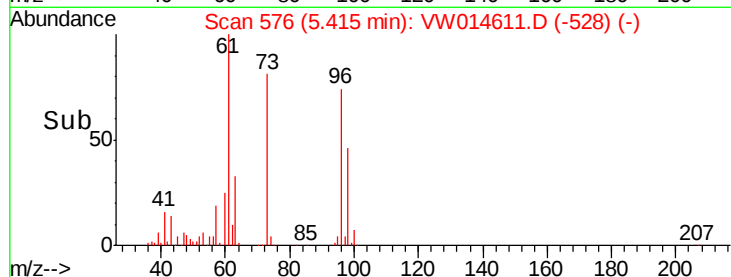
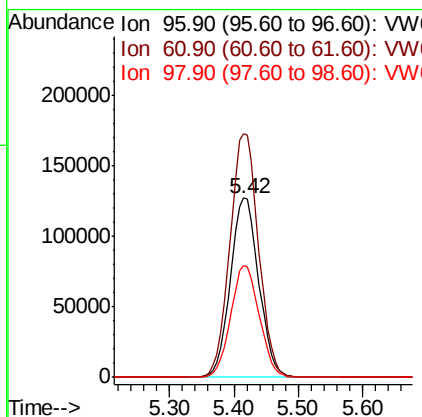
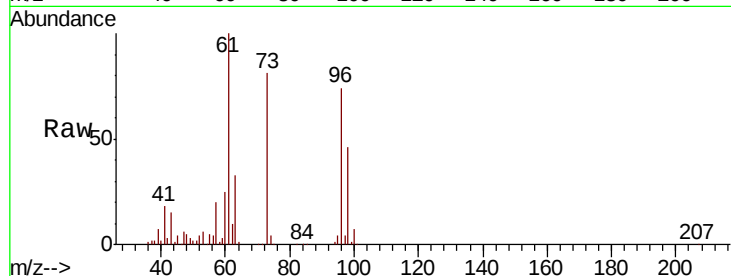
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	389560
Ion	Ratio	Lower	Upper
96	100		
61	135.6	107.8	161.6
98	62.4	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#22

Diisopropyl ether

Concen: 54.702 ug/l

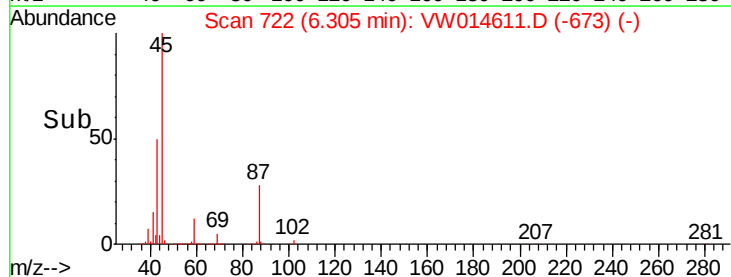
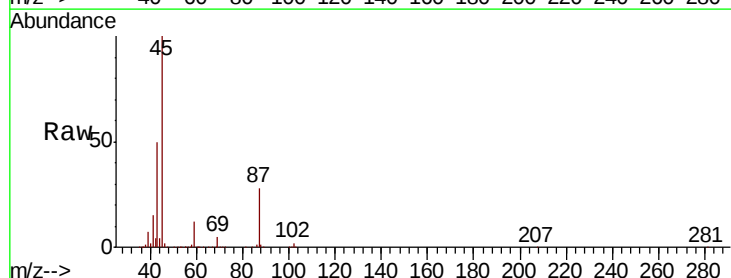
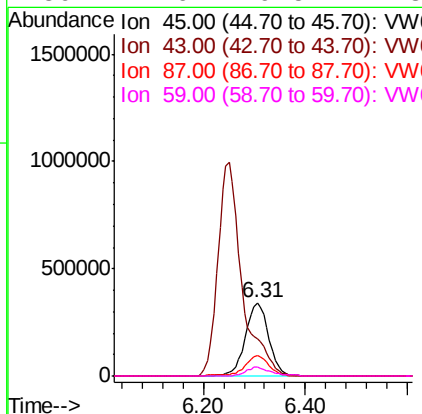
RT: 6.31 min Scan# 722

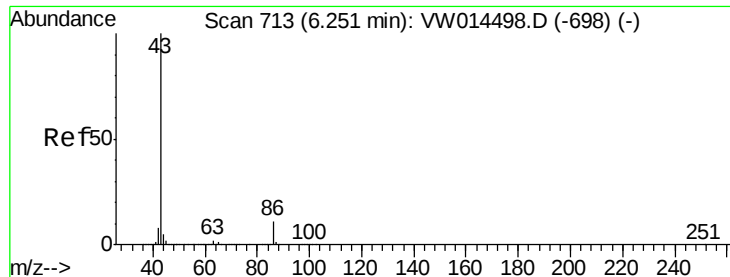
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:	45	Resp:	1084176
Ion	Ratio	Lower	Upper
45	100		
43	50.4	41.4	62.0
87	27.6	22.2	33.2
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 273.584 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3274347

Ion Ratio Lower Upper

43 100

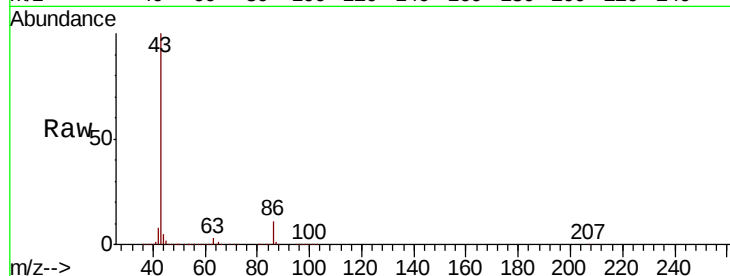
86 11.1 8.8 13.2

Manual Integrations

APPROVED

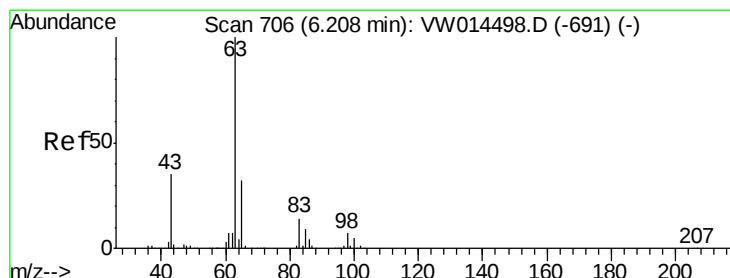
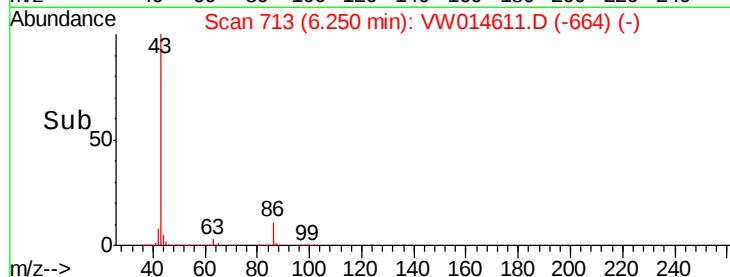
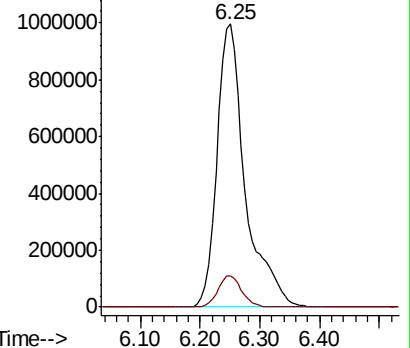
MMDadoda

1/13/2020 12:01:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.200 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

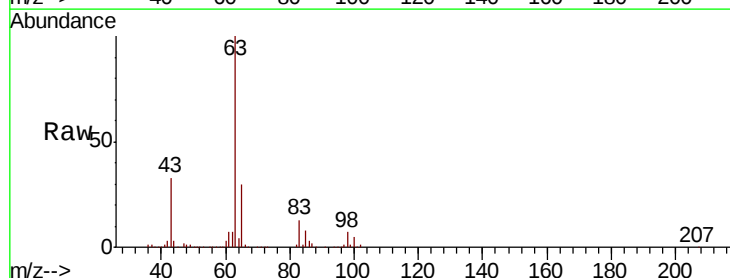
Tgt Ion: 63 Resp: 665114

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

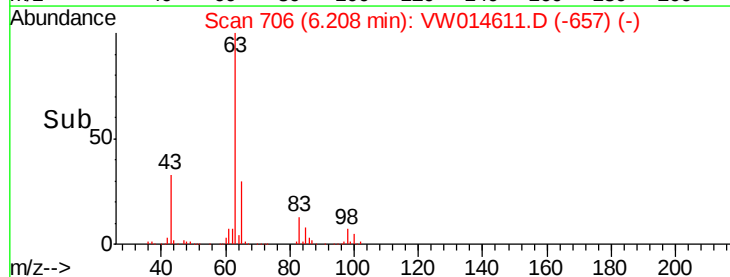
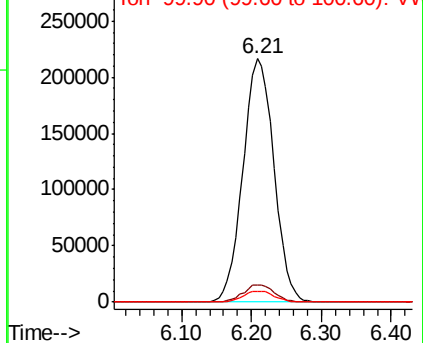
100 4.6 2.5 7.4

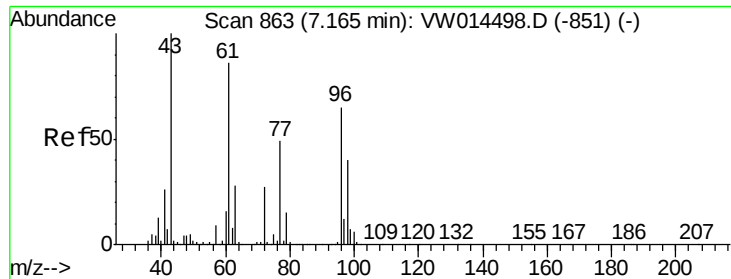


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 297.562 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 656435

Ion Ratio Lower Upper

43 100

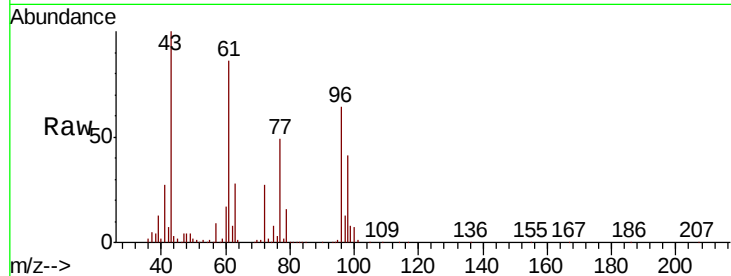
72 27.0 21.9 32.9

Manual Integrations

APPROVED

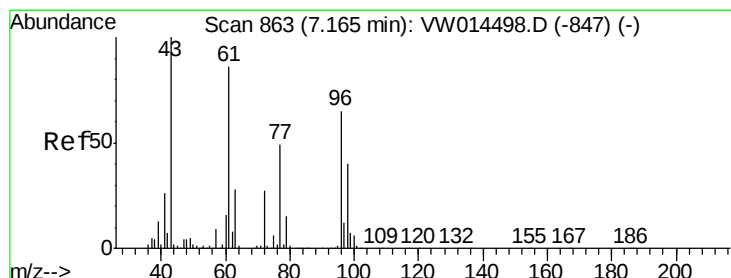
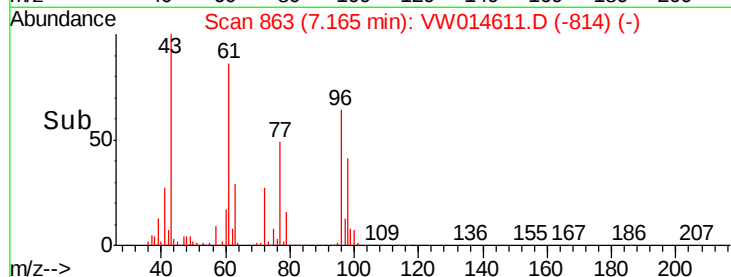
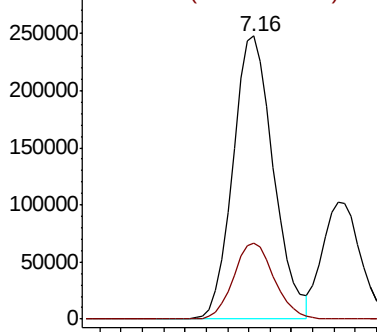
MMDadoda

1/13/2020 12:01:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 50.821 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014611.D

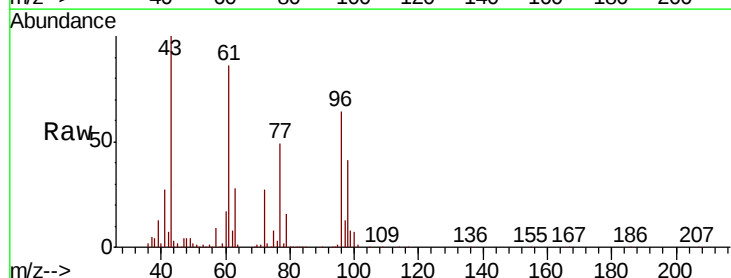
Acq: 10 Jan 2020 20:21

Tgt Ion: 77 Resp: 351770

Ion Ratio Lower Upper

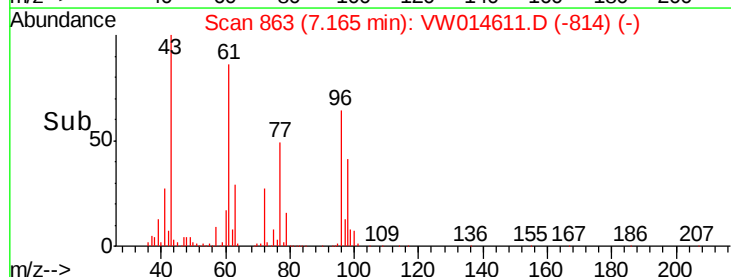
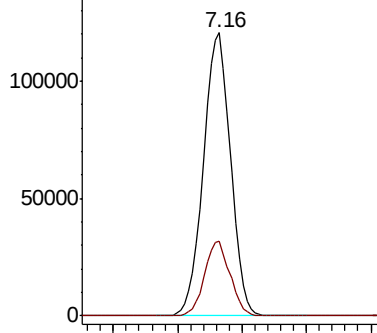
77 100

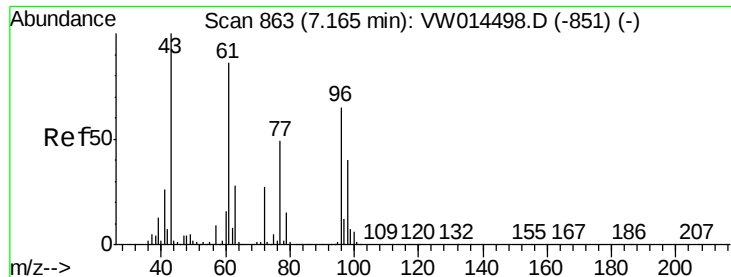
97 24.8 12.5 37.5



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

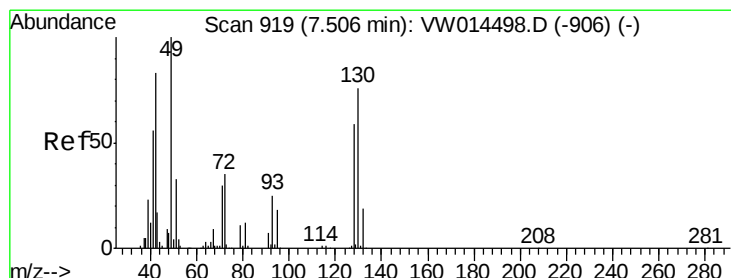
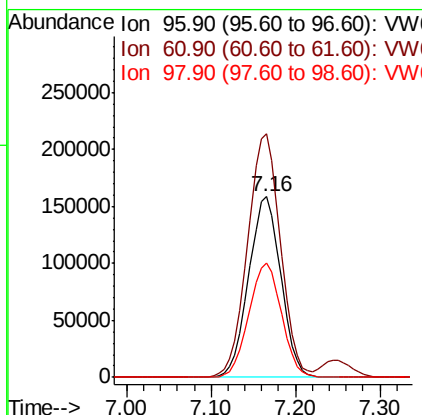
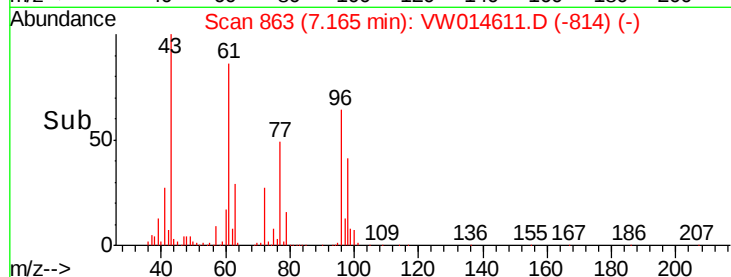
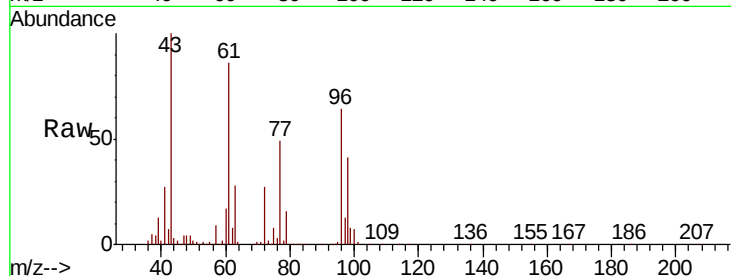
cis-1,2-Dichloroethene
Concen: 53.390 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	412765		
61	137.6	0.0	274.8	
98	64.2	0.0	128.6	

Manual Integrations
APPROVED

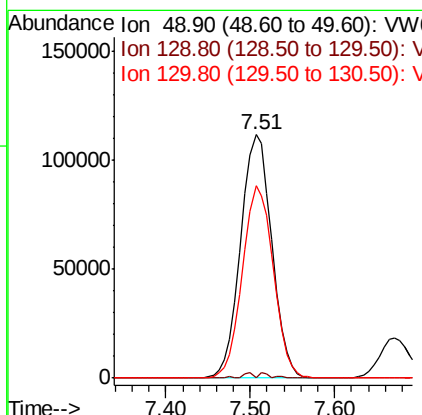
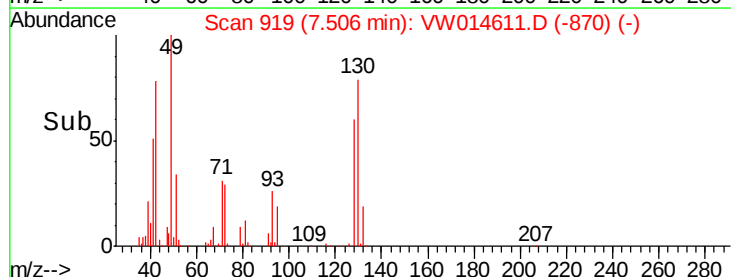
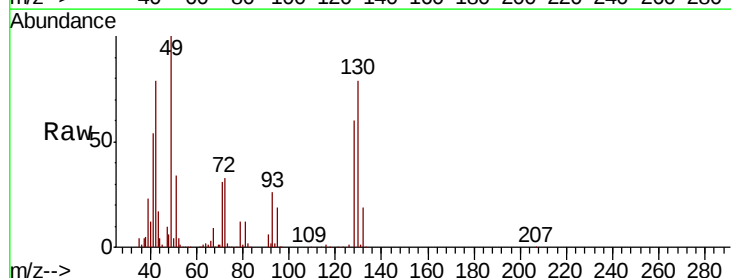
MMDadoda
1/13/2020 12:01:52 PM

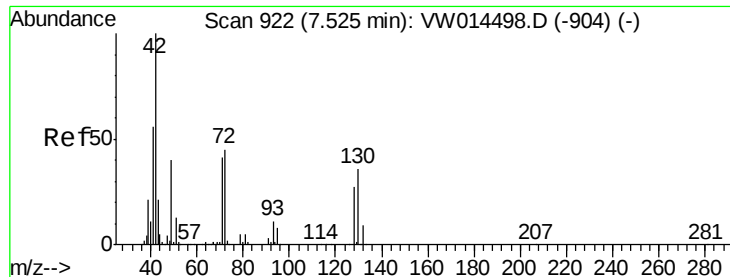


#28

Bromochloromethane
Concen: 56.927 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	279025		
129	0.8	0.0	2.0	
130	78.4	62.5	93.7	





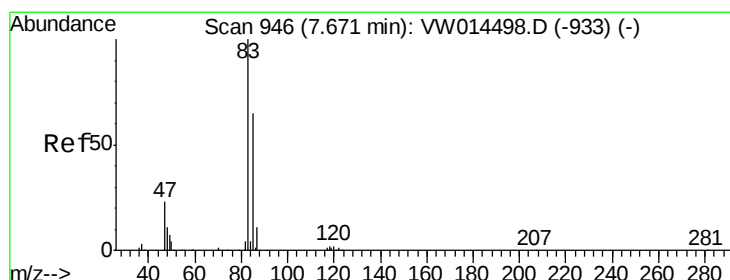
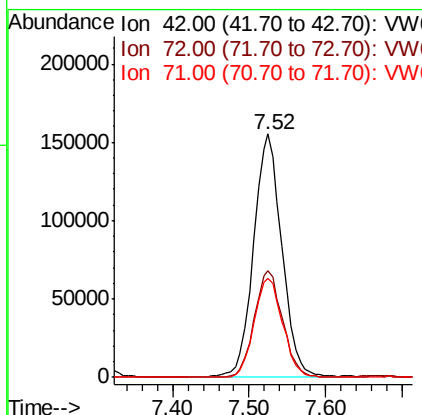
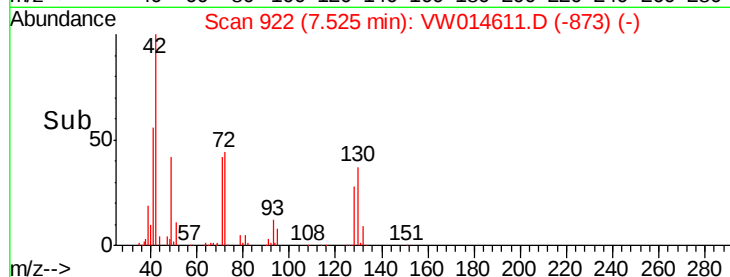
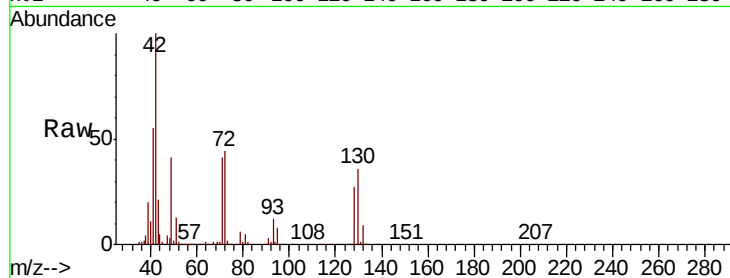
#29
Tetrahydrofuran
Concen: 293.022 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	34.5	51.7
71	41.1	32.0	48.0

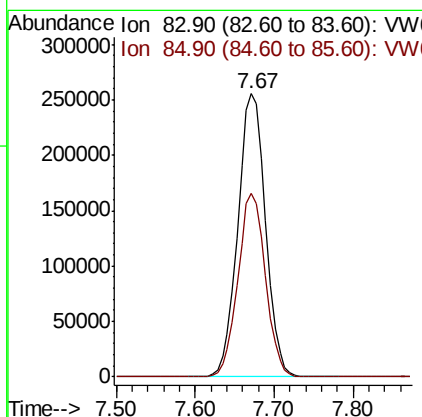
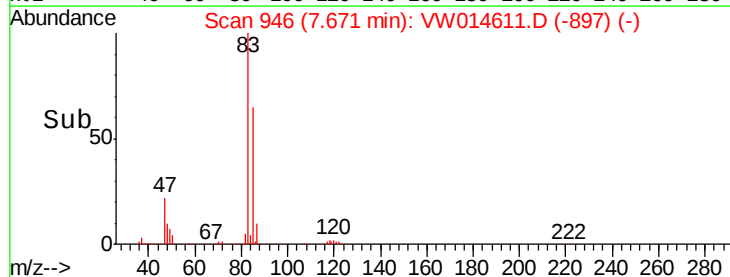
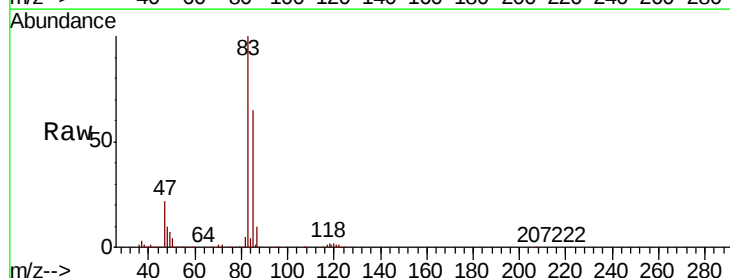
Manual Integrations
APPROVED

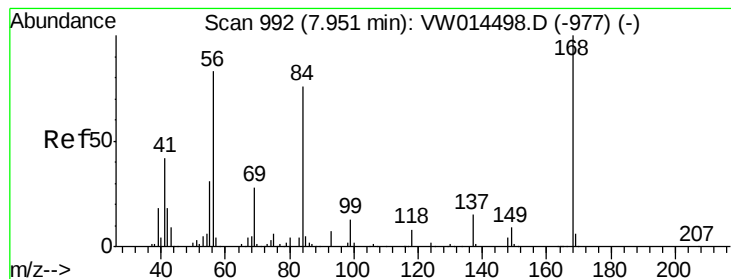
MMDadoda
1/13/2020 12:01:52 PM



#30
Chloroform
Concen: 53.386 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2





#31

Cyclohexane

Concen: 51.125 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

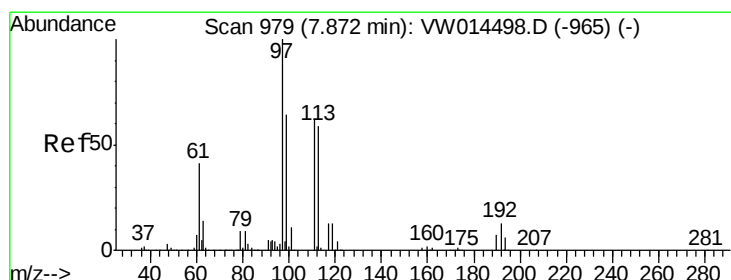
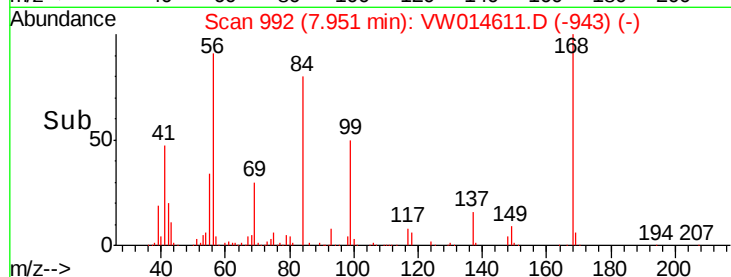
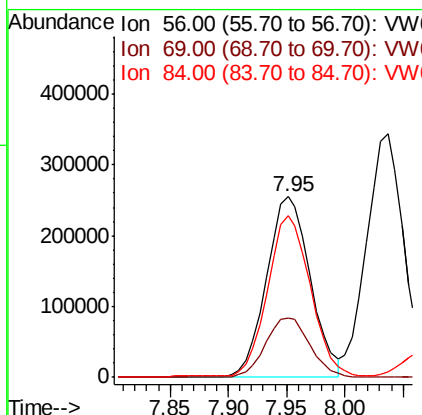
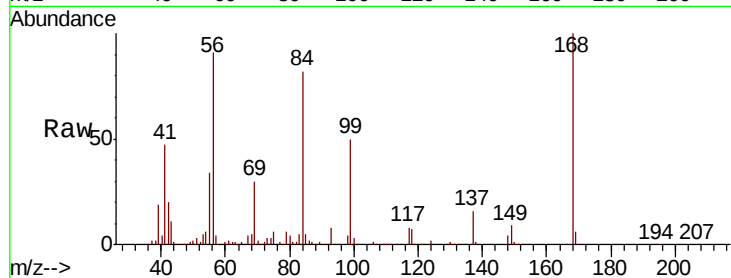
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	664254
Ion Ratio	Lower	Upper	
56	100		
69	33.1	26.8	40.2
84	88.6	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#32

1,1,1-Trichloroethane

Concen: 54.162 ug/l

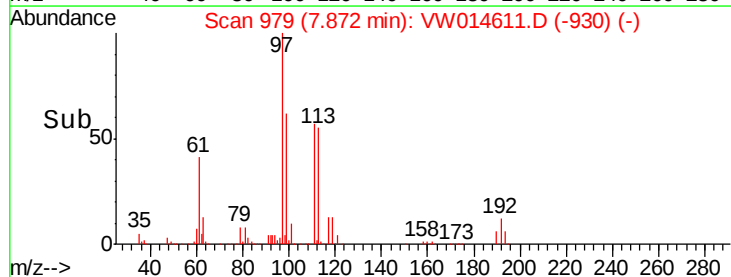
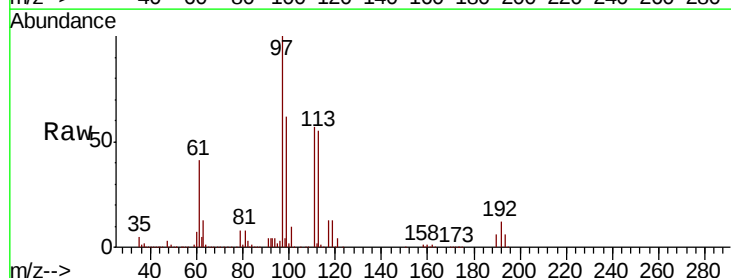
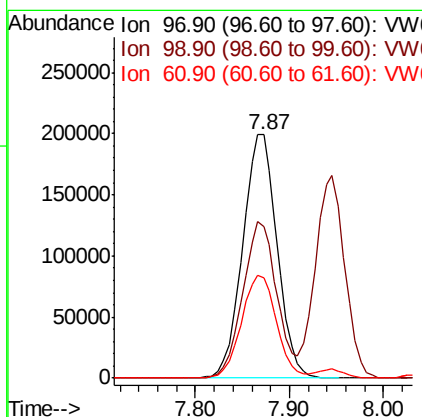
RT: 7.87 min Scan# 979

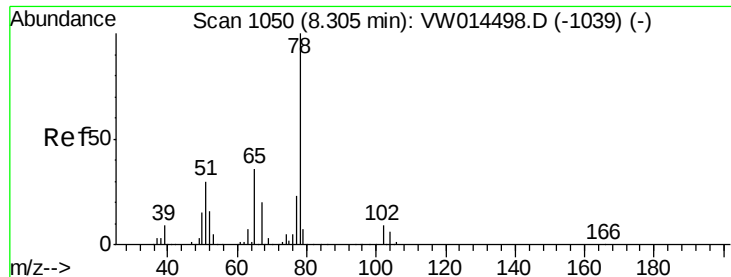
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:	97	Resp:	509265
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.8	77.6
61	42.8	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 50.709 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 308711

Ion Ratio Lower Upper

65 100

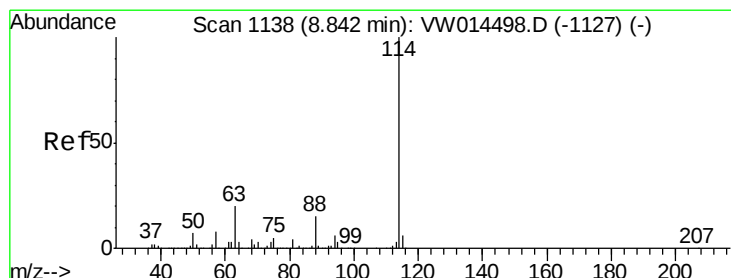
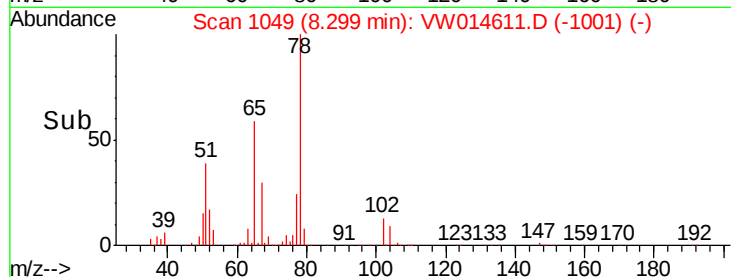
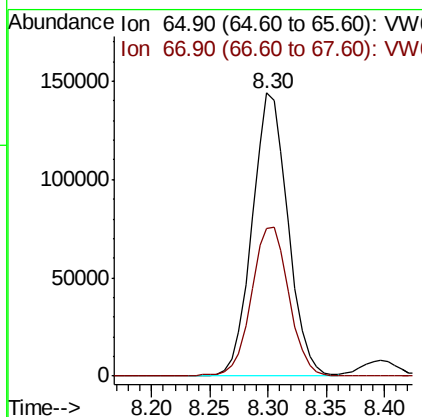
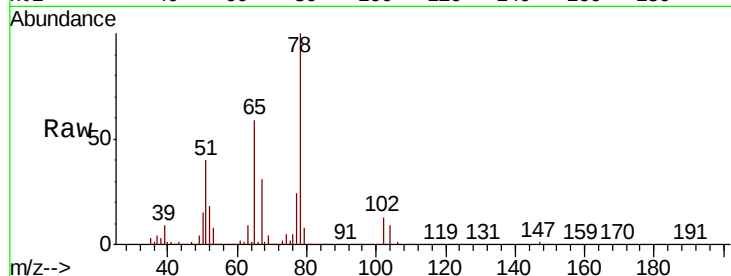
67 55.0 0.0 108.4

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:01:52 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

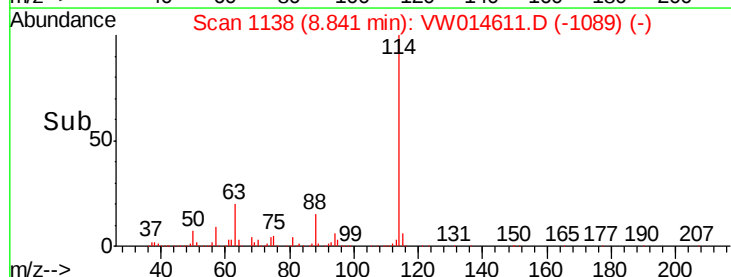
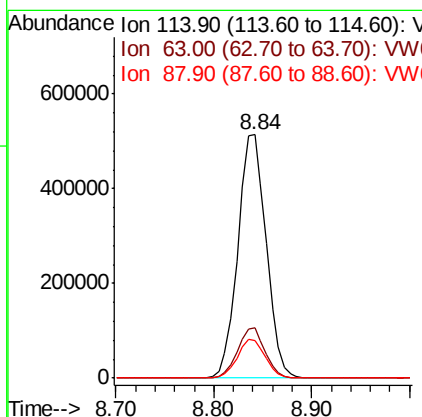
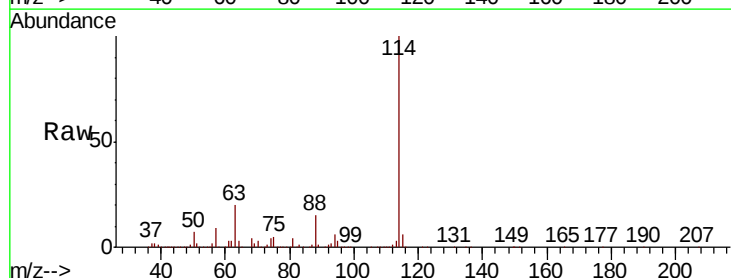
Tgt Ion: 114 Resp: 1031106

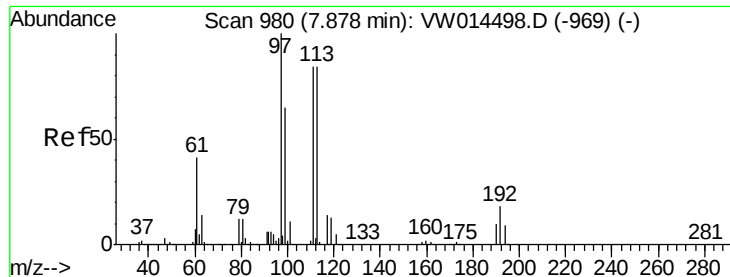
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.322 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

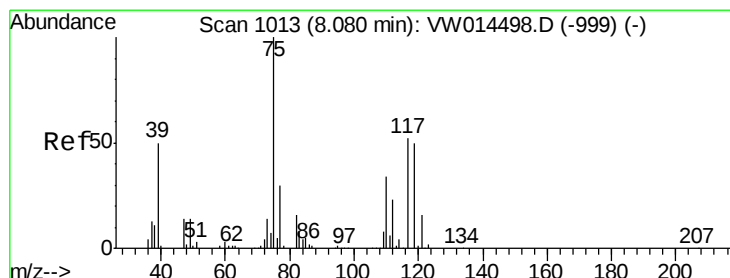
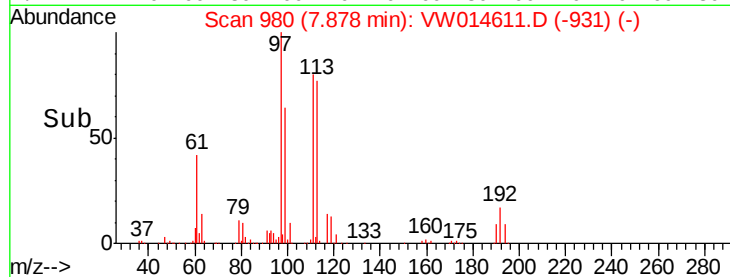
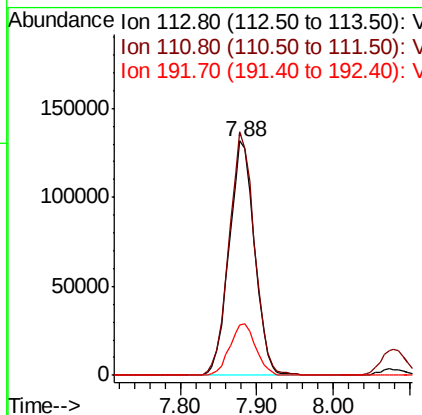
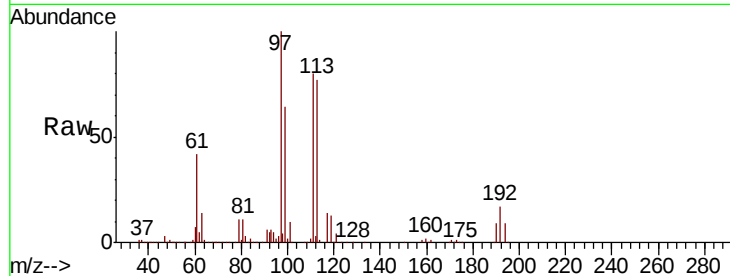
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	302437
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.4	122.2
192	22.6	17.8	26.8

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#36

1,1-Dichloropropene

Concen: 53.852 ug/l

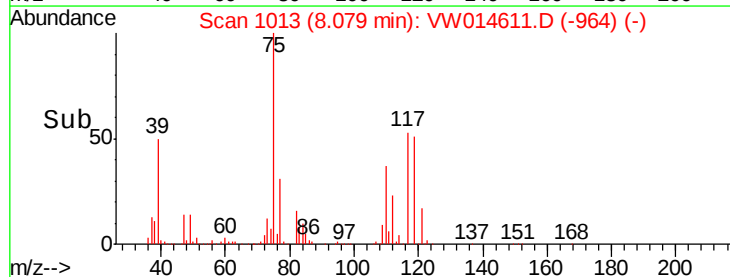
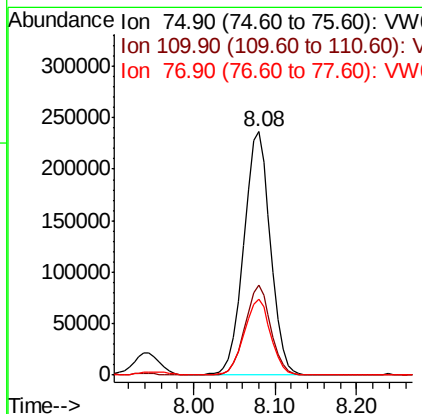
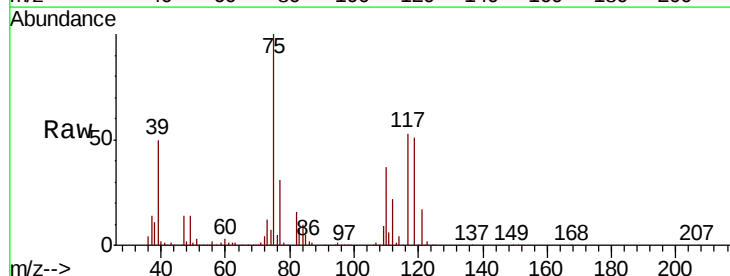
RT: 8.08 min Scan# 1013

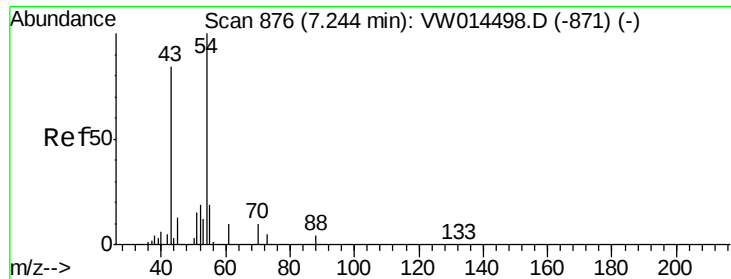
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:	75	Resp:	535303
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.8	53.5
77	31.2	24.7	37.1





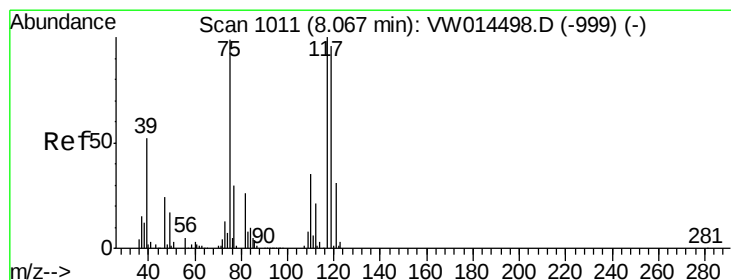
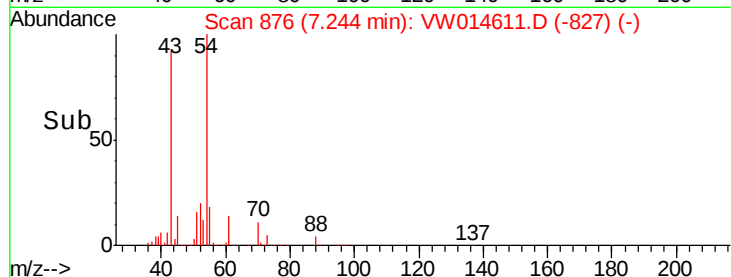
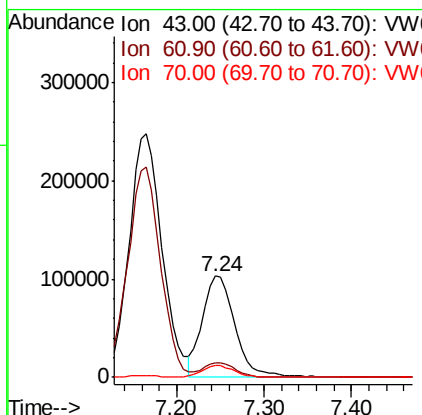
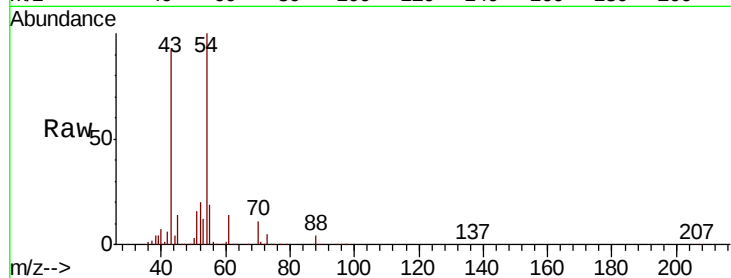
#37
Ethyl Acetate
Concen: 58.930 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.7	17.5
70	11.5	9.0	13.6

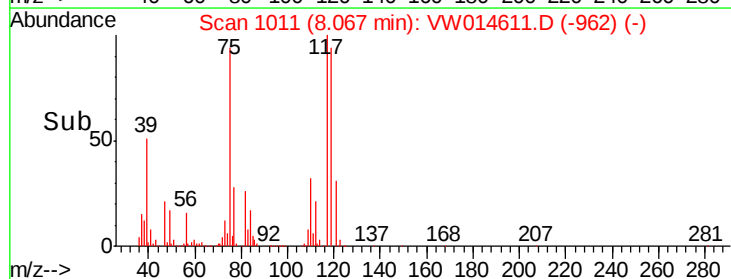
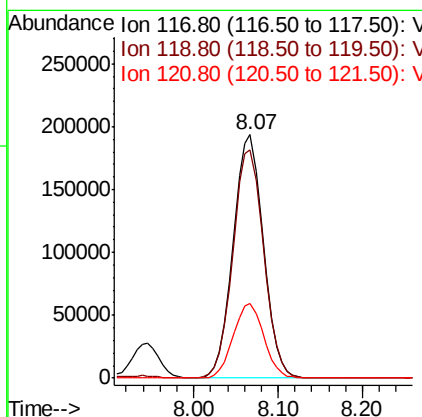
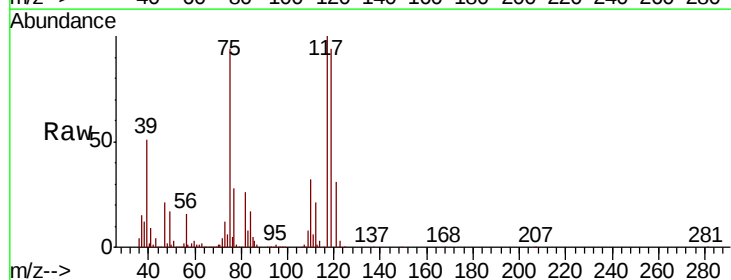
Manual Integrations
APPROVED

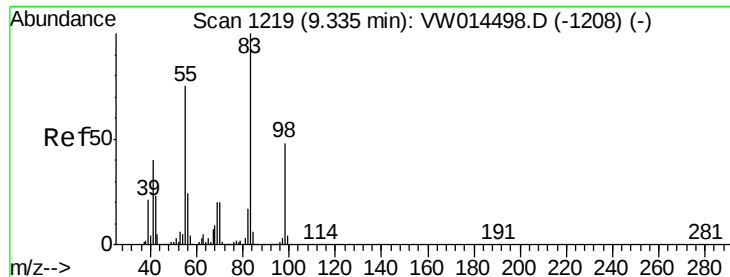
MMDadoda
1/13/2020 12:01:52 PM



#38
Carbon Tetrachloride
Concen: 54.282 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.0	115.6
121	30.8	24.6	36.8





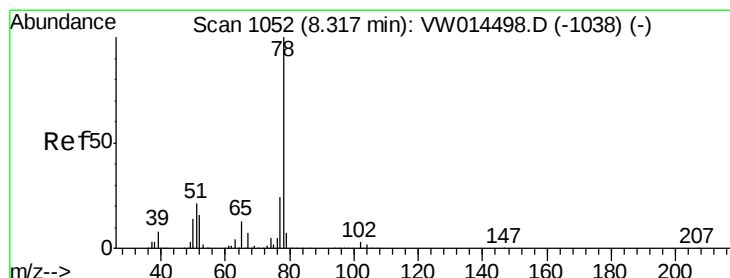
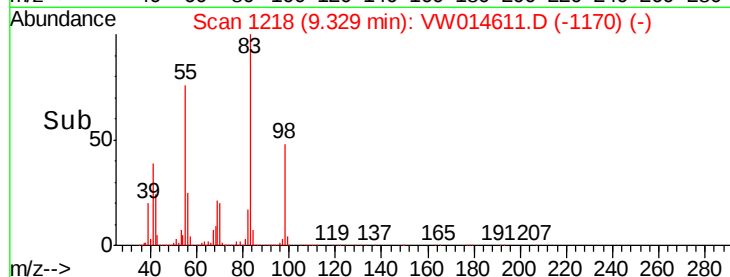
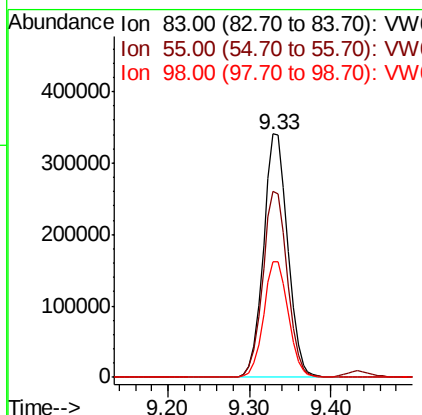
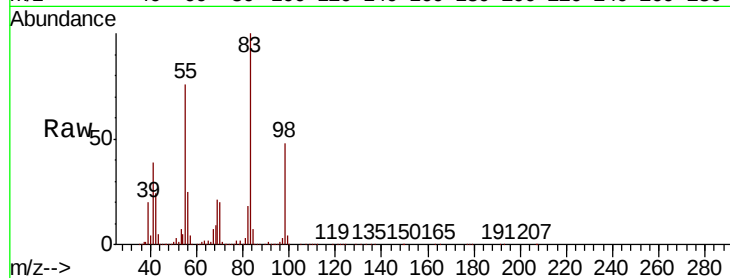
#39
Methvlcvclohexane
Concen: 55.259 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	60.1	90.1
98	47.7	38.8	58.2

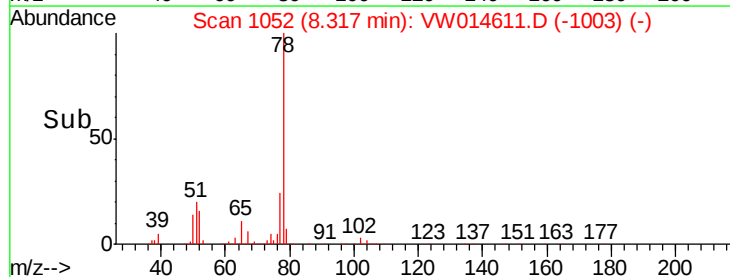
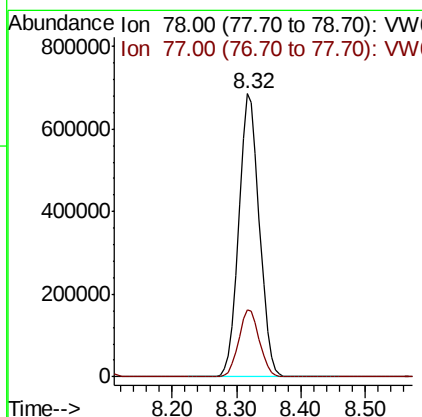
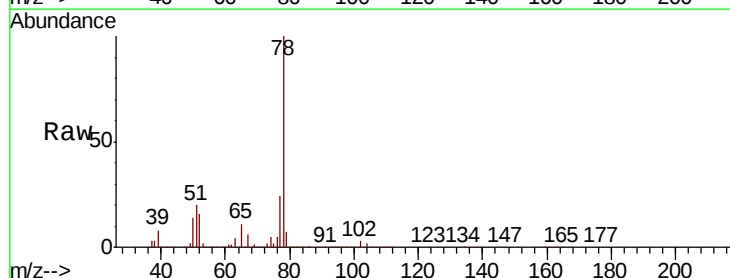
Manual Integrations
APPROVED

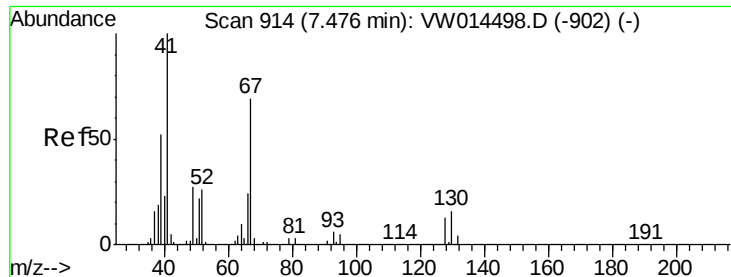
MMDadoda
1/13/2020 12:01:52 PM



#40
Benzene
Concen: 53.777 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





#41

Methacrylonitrile

Concen: 59.097 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

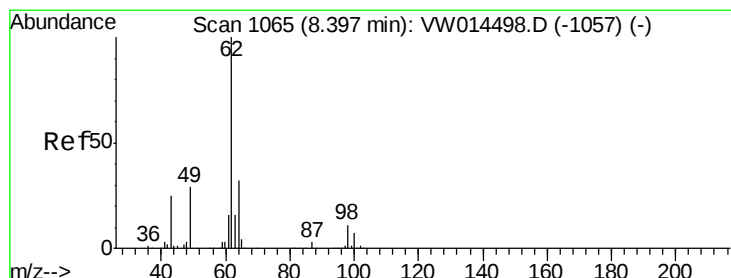
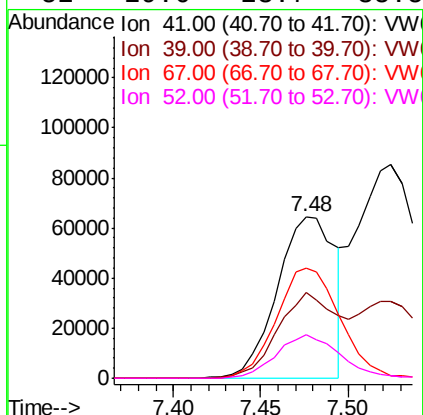
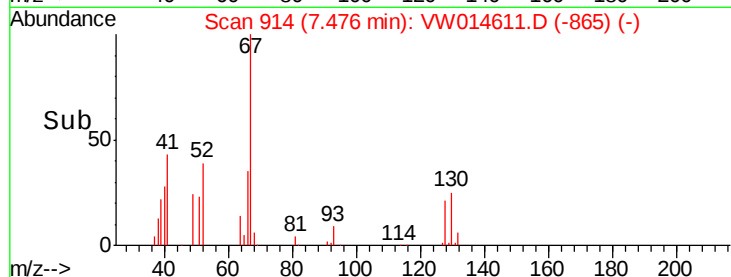
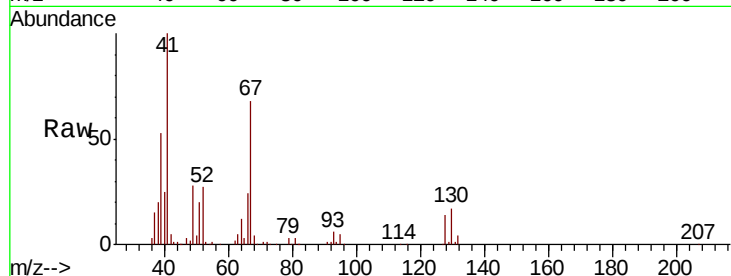
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	148514
Ion	Ratio	Lower	Upper
41	100		
39	56.7	46.0	69.0
67	76.2	60.8	91.2
52	29.6	23.7	35.5

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#42

1,2-Dichloroethane

Concen: 54.883 ug/l

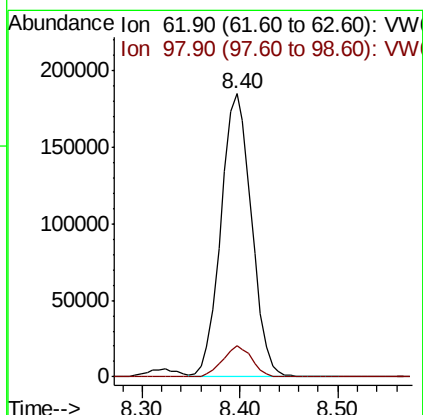
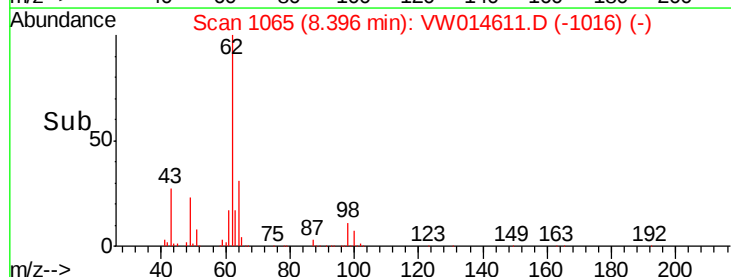
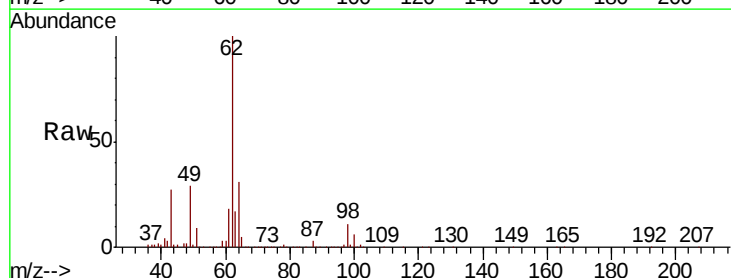
RT: 8.40 min Scan# 1065

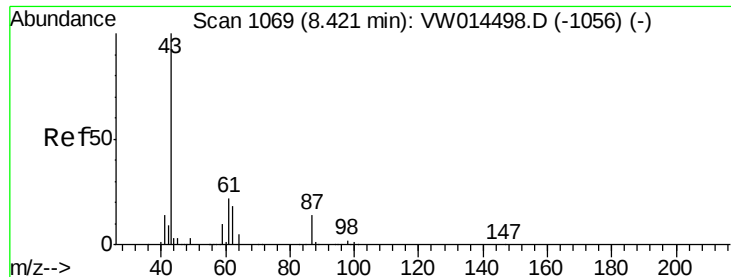
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:	62	Resp:	400567
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	22.0





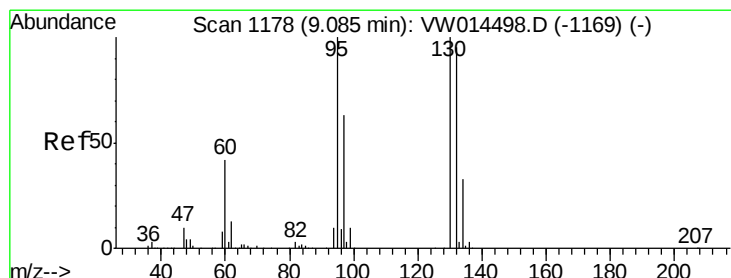
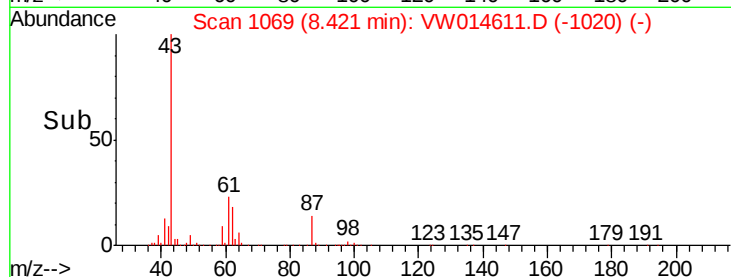
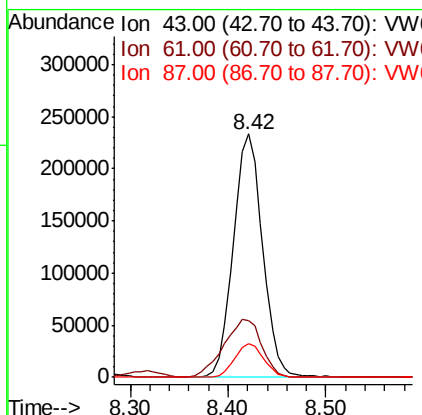
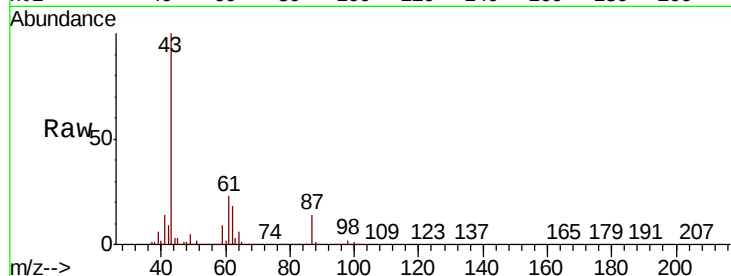
#43
Isopropyl Acetate
Concen: 59.059 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	24.7	37.1
87	13.8	11.1	16.7

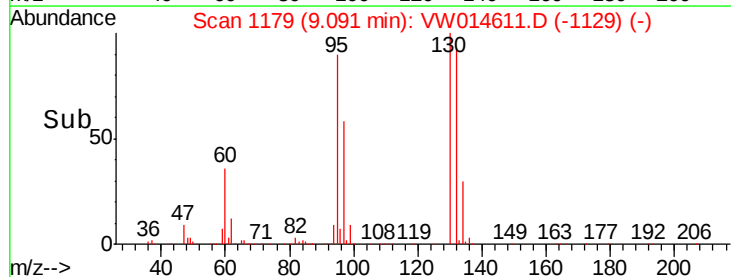
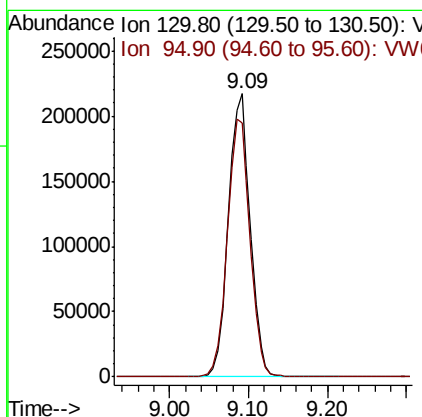
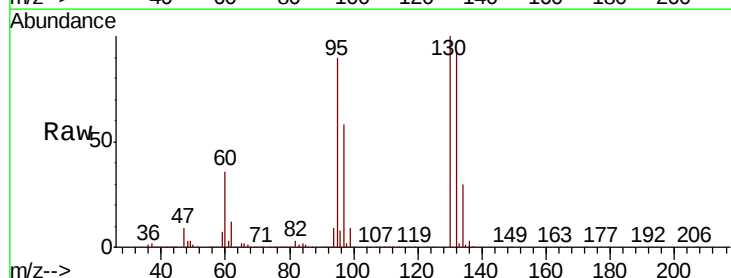
Manual Integrations
APPROVED

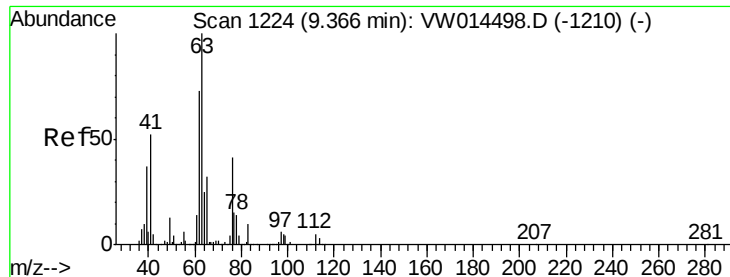
MMDadoda
1/13/2020 12:01:52 PM



#44
Trichloroethene
Concen: 54.723 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	199.4





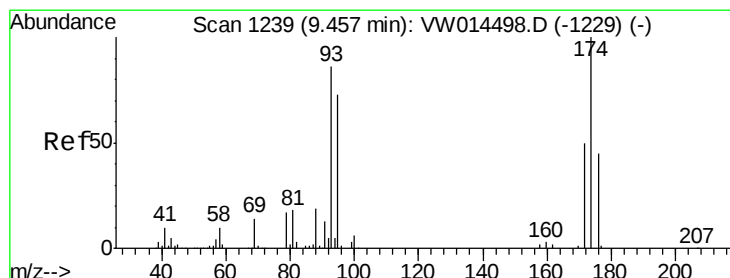
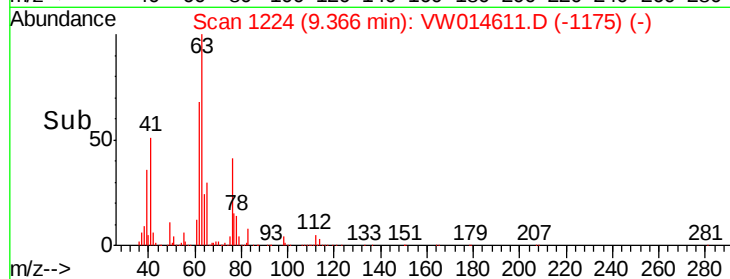
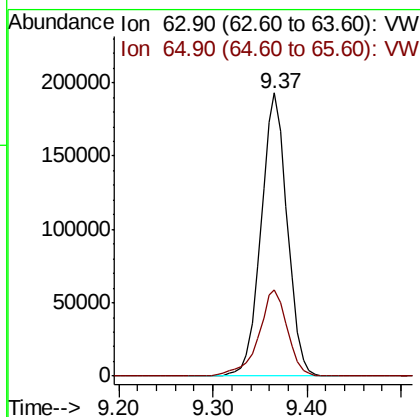
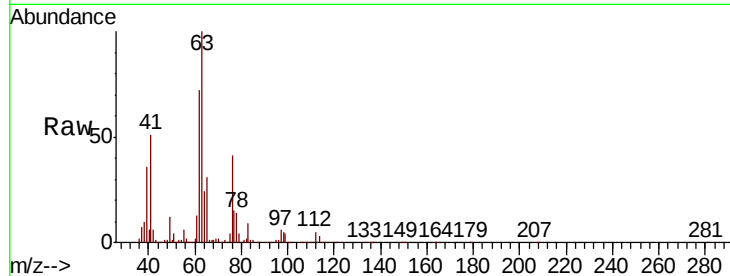
#45
 1,2-Dichloropropane
 Concen: 54.442 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.6	38.4

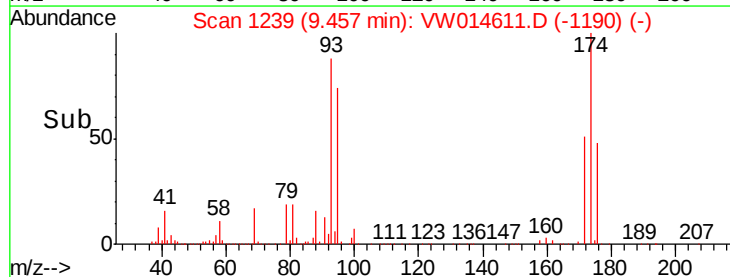
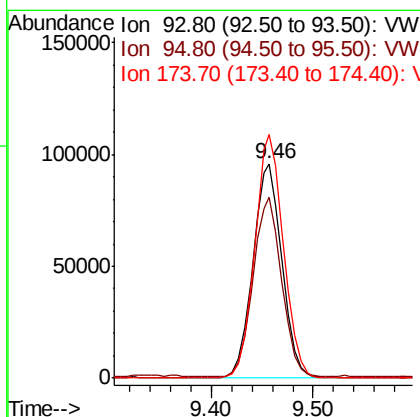
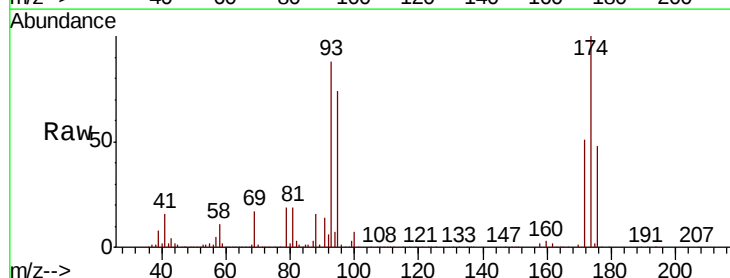
Manual Integrations
 APPROVED

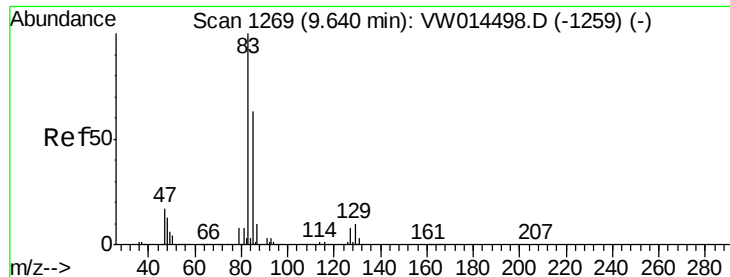
MMDadoda
 1/13/2020 12:01:52 PM



#46
 Dibromomethane
 Concen: 55.380 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	113.0	89.1	133.7





#47

Bromodichloromethane

Concen: 55.413 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

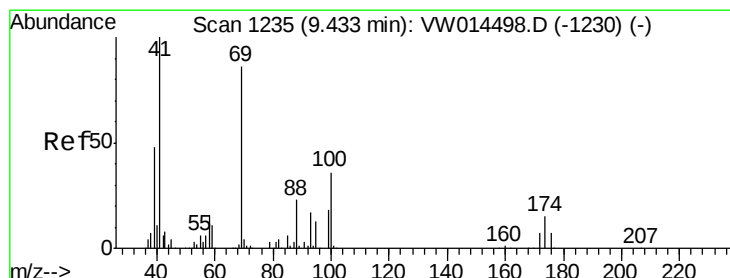
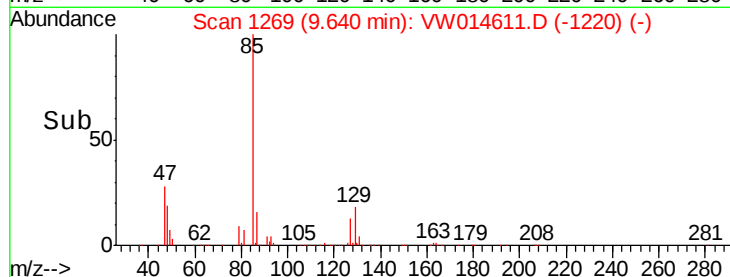
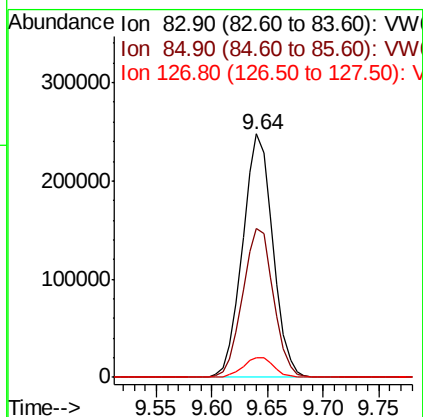
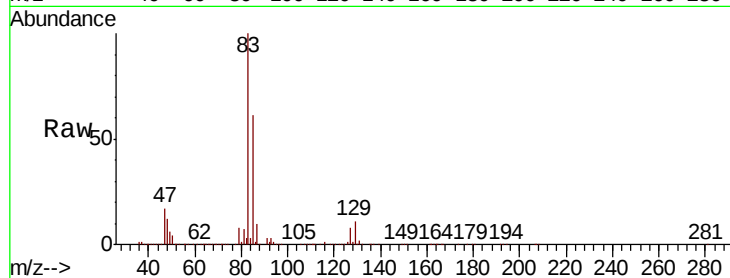
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	466113
Ion Ratio	Lower	Upper	
83	100		
85	61.2	50.6	76.0
127	7.8	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#48

Methyl methacrylate

Concen: 59.702 ug/l

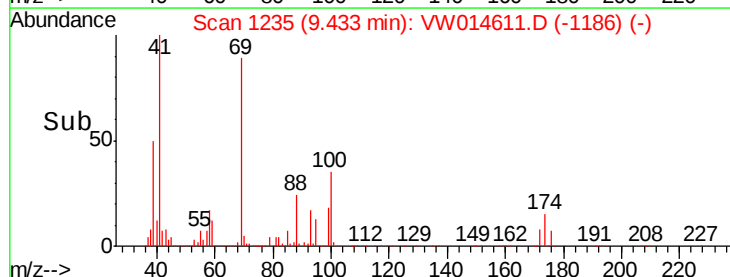
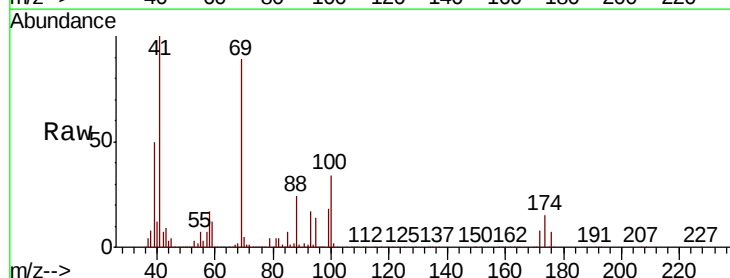
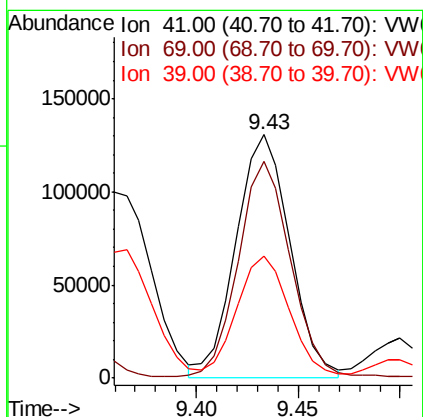
RT: 9.43 min Scan# 1235

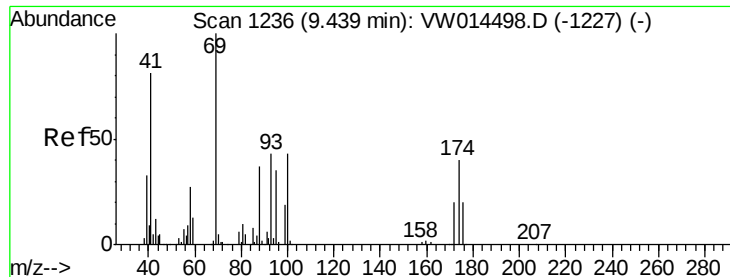
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:	41	Resp:	238627
Ion Ratio	Lower	Upper	
41	100		
69	86.6	68.3	102.5
39	46.2	36.8	55.2





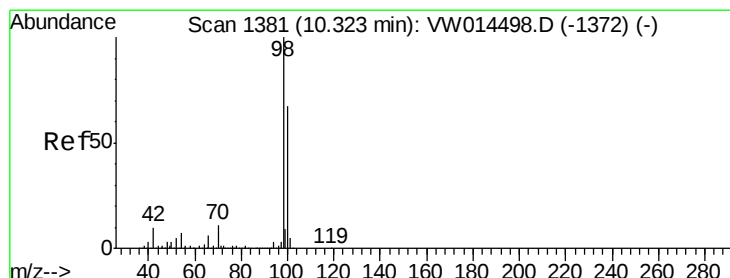
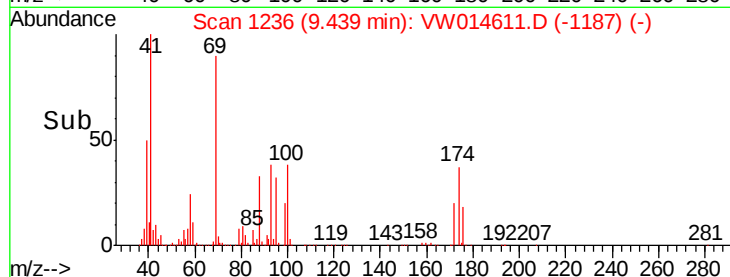
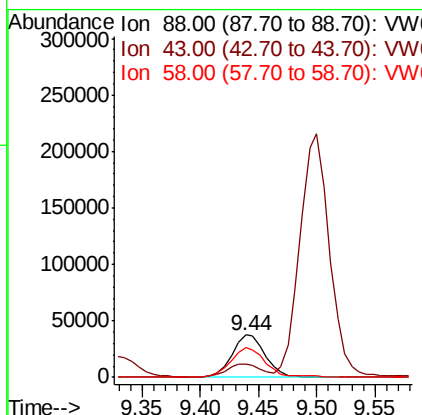
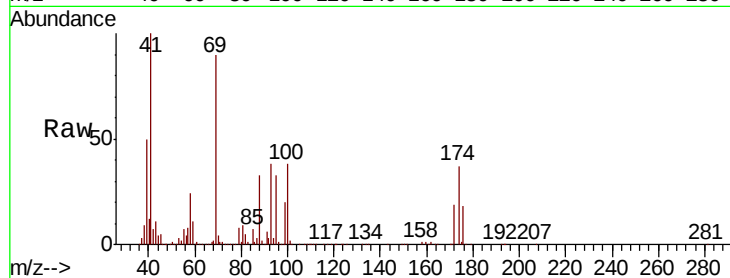
#49
1,4-Dioxane
Concen: 1169.494 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.9	37.3
58	71.5	56.9	85.3

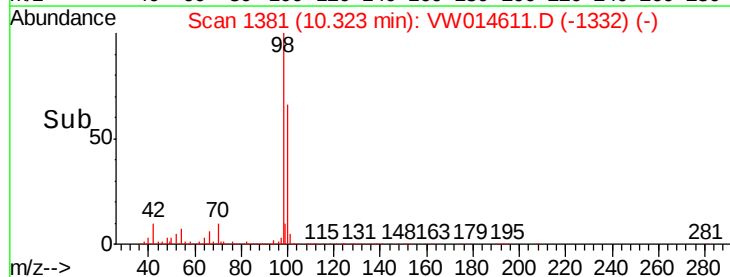
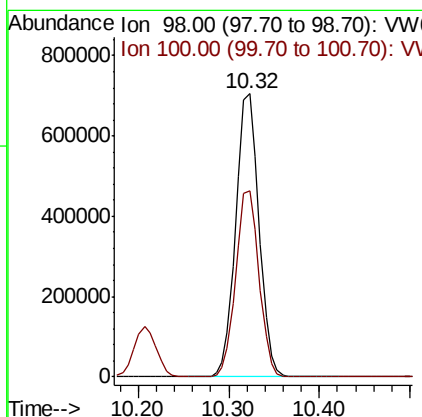
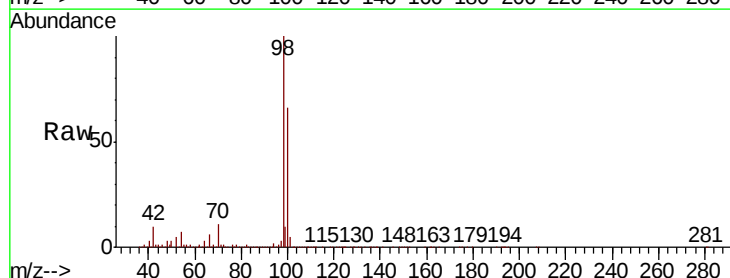
Manual Integrations
APPROVED

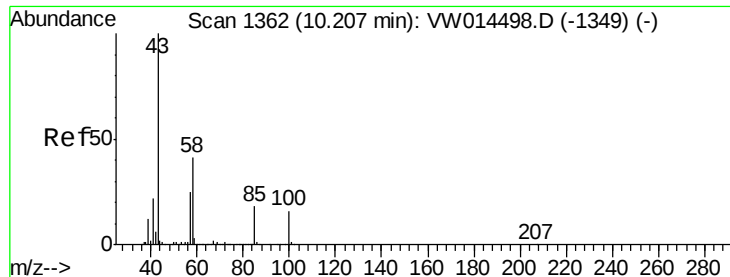
MMDadoda
1/13/2020 12:01:52 PM



#50
Toluene-d8
Concen: 50.959 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 305.581 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1299108

Ion Ratio Lower Upper

43 100

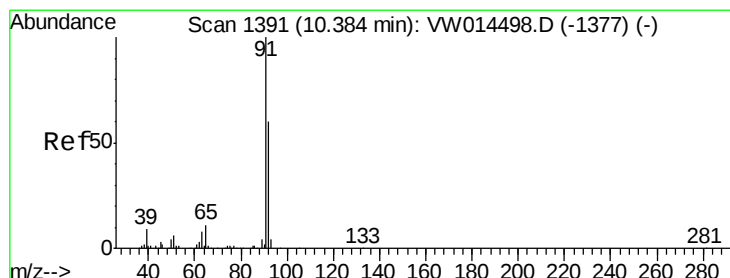
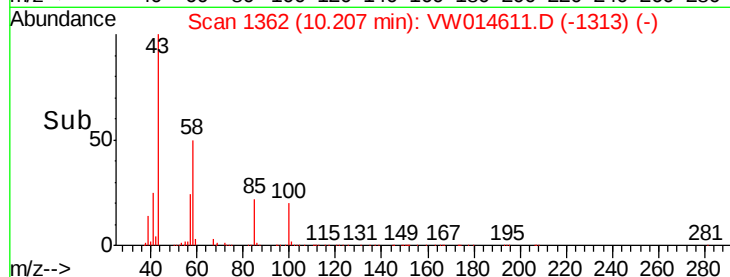
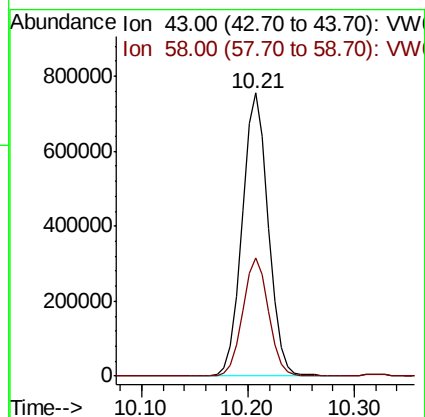
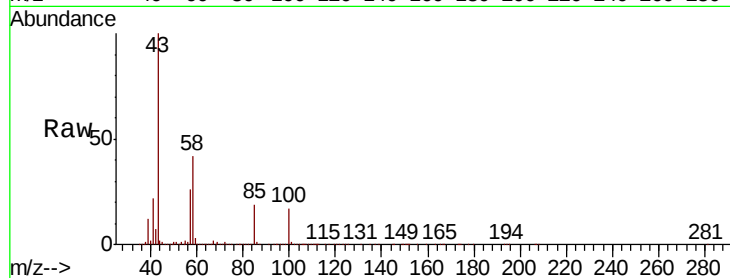
58 41.5 32.7 49.1

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:01:52 PM



#52

Toluene

Concen: 54.407 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014611.D

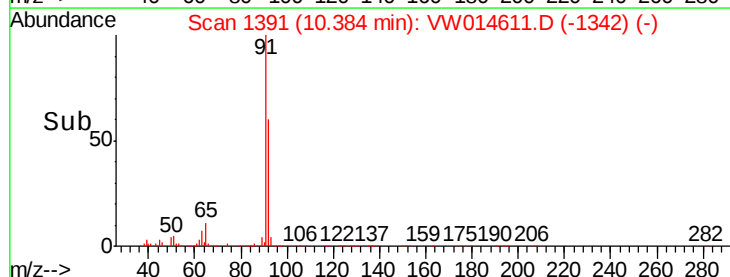
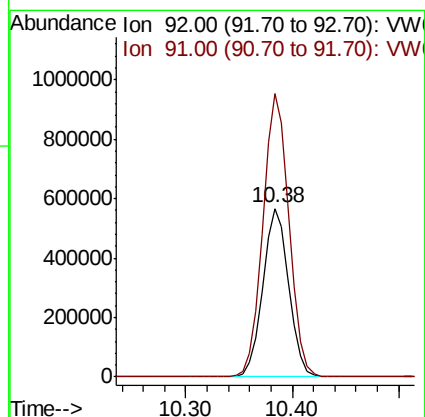
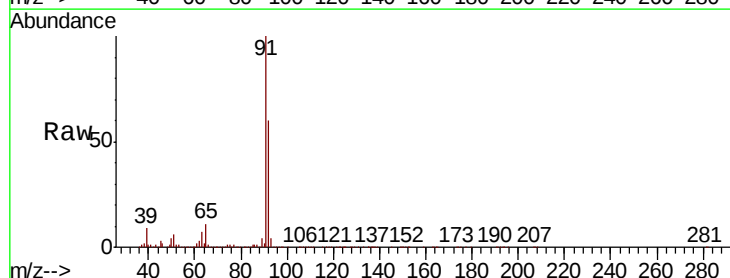
Acq: 10 Jan 2020 20:21

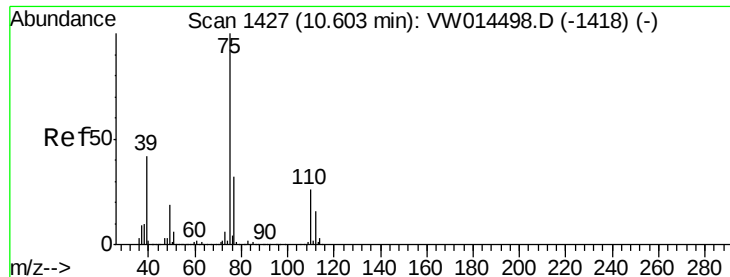
Tgt Ion: 92 Resp: 962661

Ion Ratio Lower Upper

92 100

91 169.4 134.1 201.1





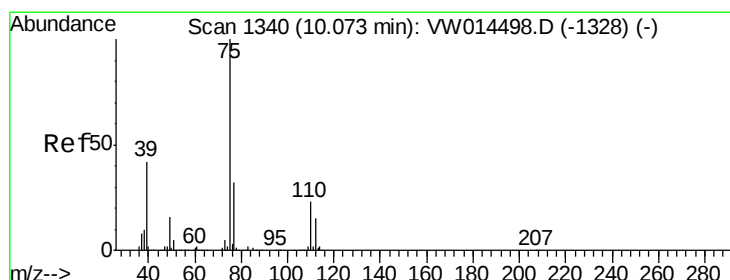
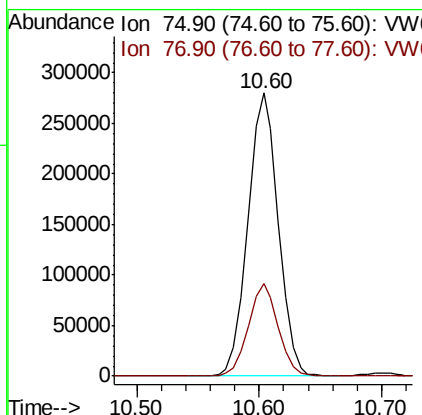
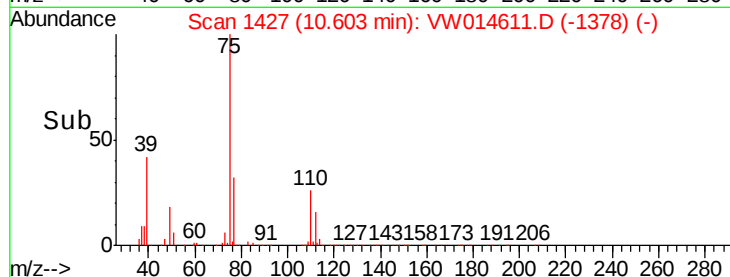
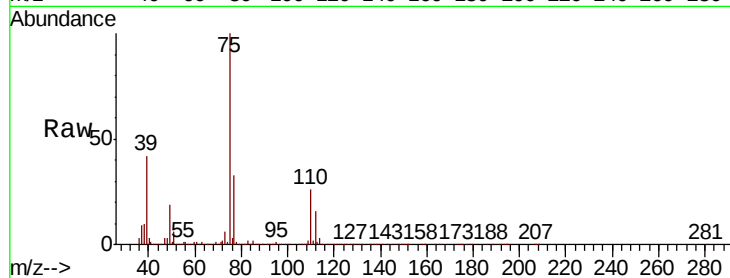
#53
t-1,3-Dichloropropene
Concen: 55.428 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2

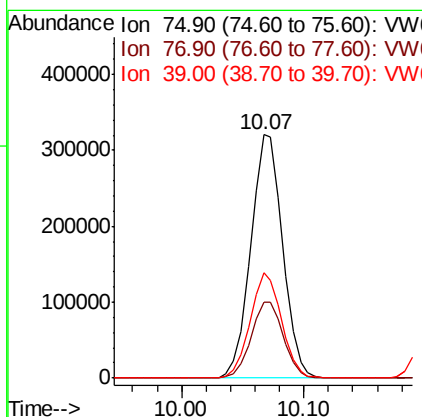
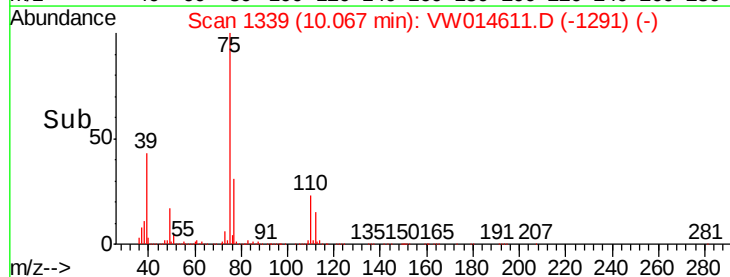
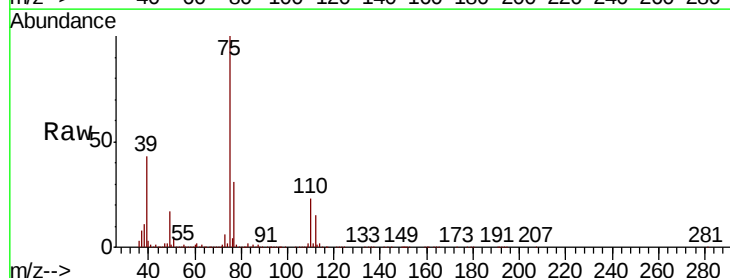
Manual Integrations
APPROVED

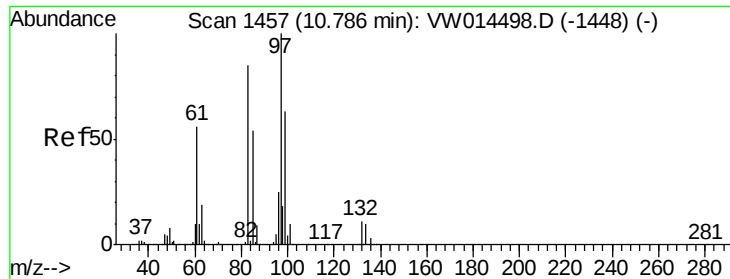
MMDadoda
1/13/2020 12:01:52 PM



#54
cis-1,3-Dichloropropene
Concen: 54.540 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0
39	43.4	33.4	50.2





#55

1,1,2-Trichloroethane

Concen: 56.423 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

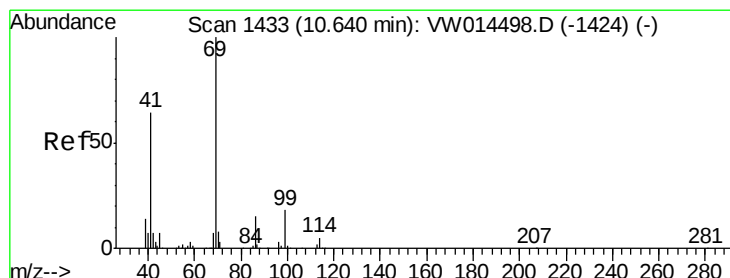
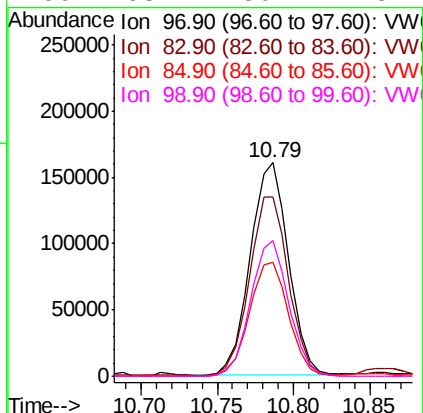
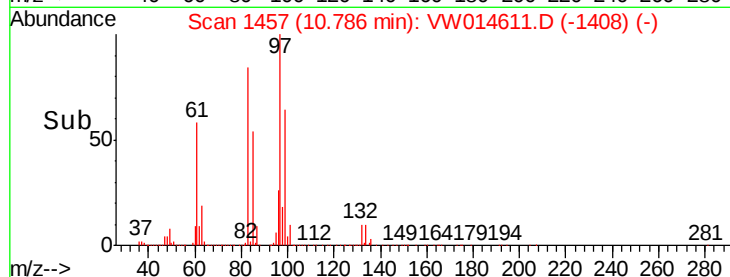
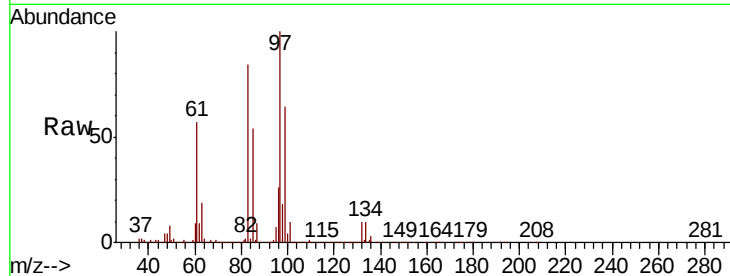
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		280759		
83	83.9	68.2	102.4		
85	53.7	43.0	64.4		
99	63.7	50.1	75.1		

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#56

Ethyl methacrylate

Concen: 61.085 ug/l

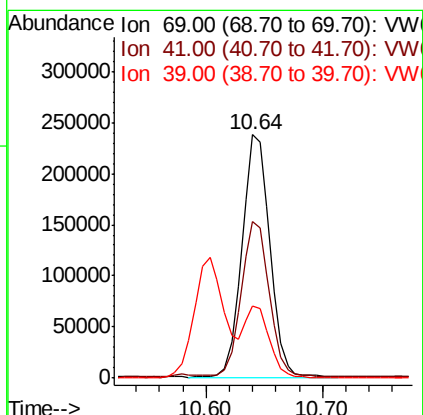
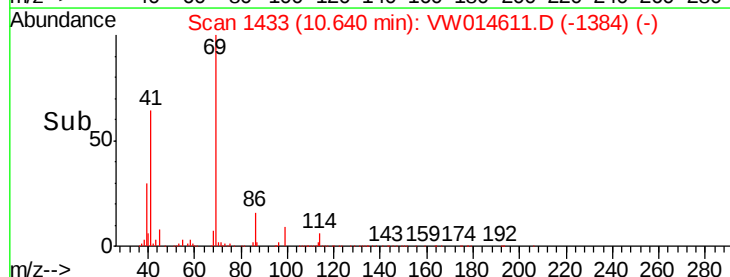
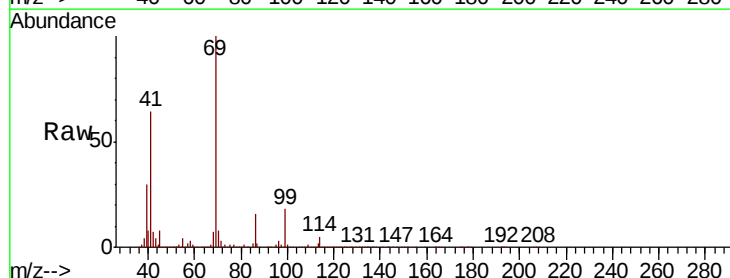
RT: 10.64 min Scan# 1433

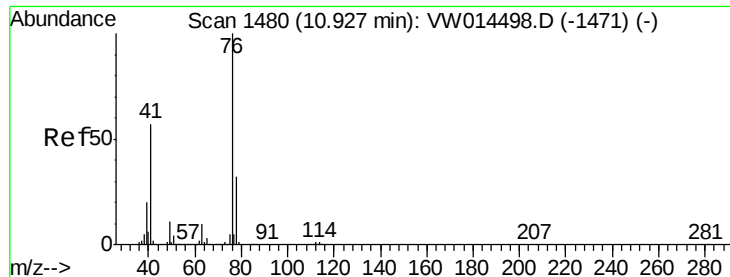
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		395020		
41	64.5	51.3	76.9		
39	25.6	21.0	31.6		





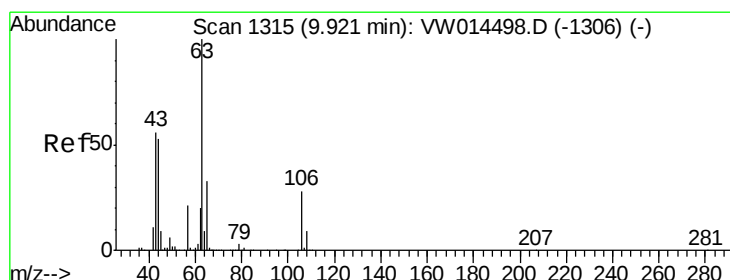
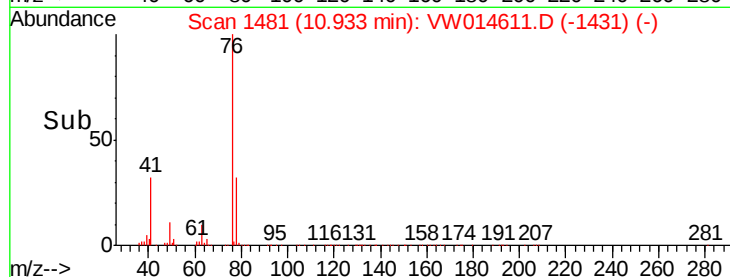
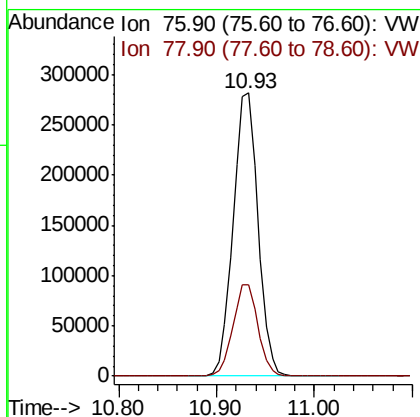
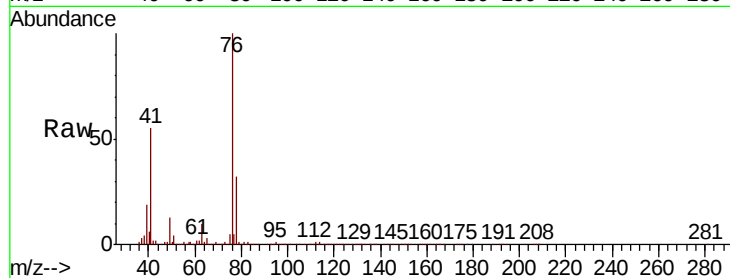
#57
 1,3-Dichloropropane
 Concen: 56.687 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 495750
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9

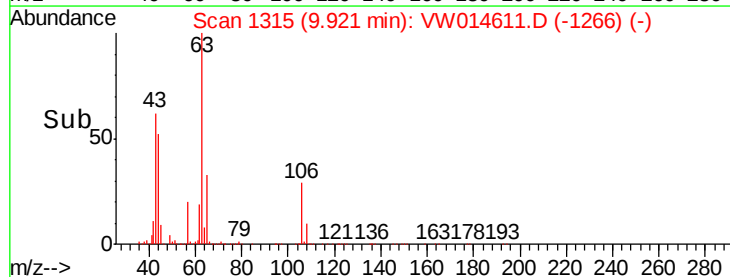
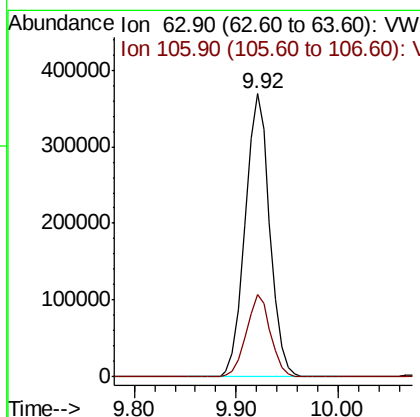
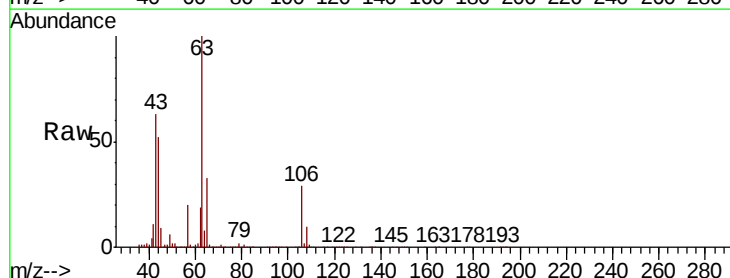
Manual Integrations
 APPROVED

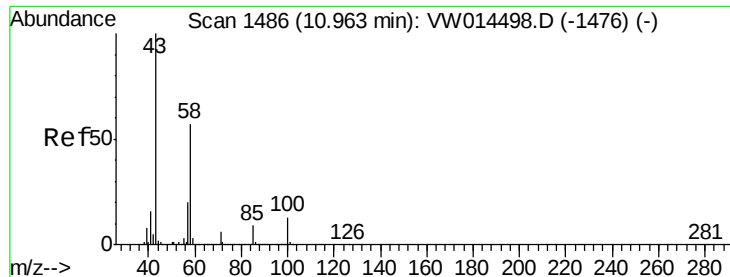
MMDadoda
 1/13/2020 12:01:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 314.021 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion: 63 Resp: 617601
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6





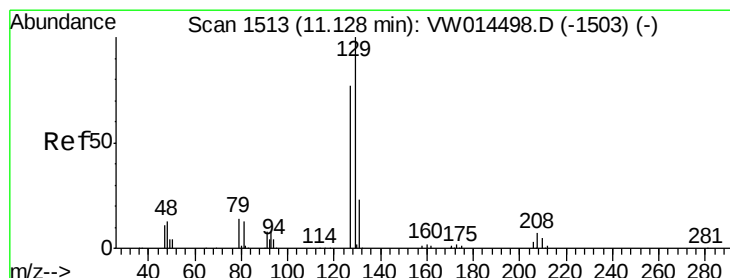
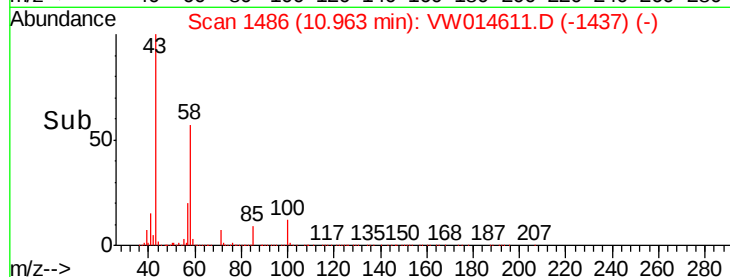
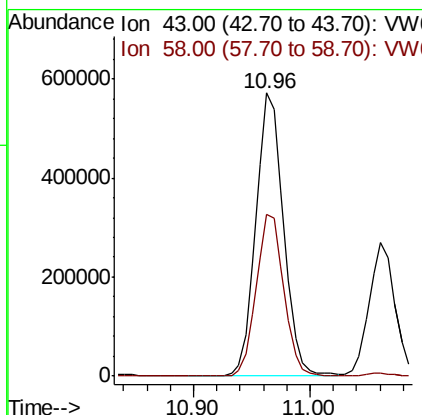
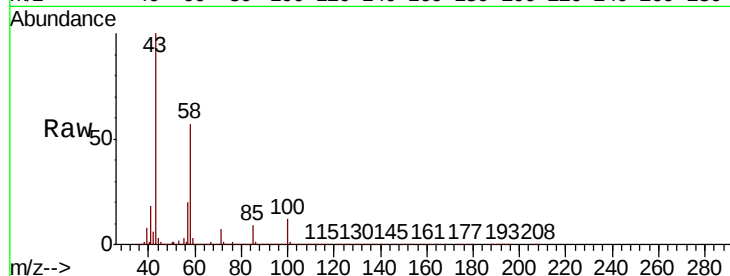
#59
2-Hexanone
Concen: 321.253 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 941111
Ion Ratio Lower Upper
43 100
58 57.4 28.7 86.3

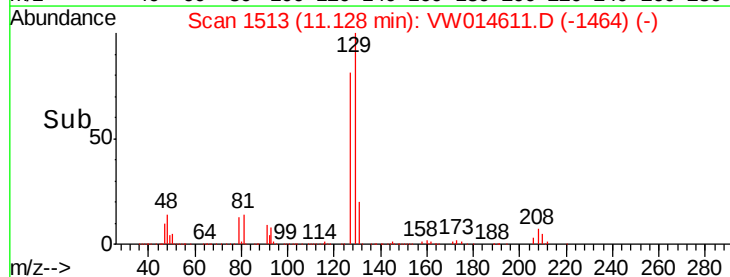
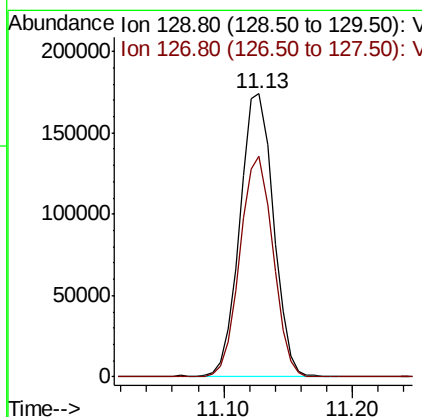
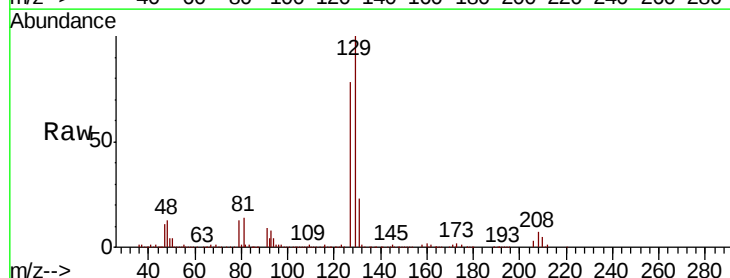
Manual Integrations
APPROVED

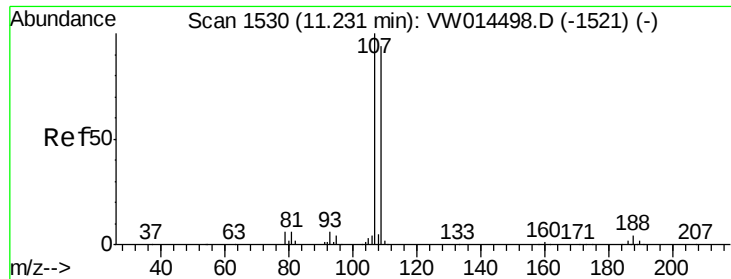
MMDadoda
1/13/2020 12:01:52 PM



#60
Dibromochloromethane
Concen: 55.697 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 129 Resp: 312705
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5





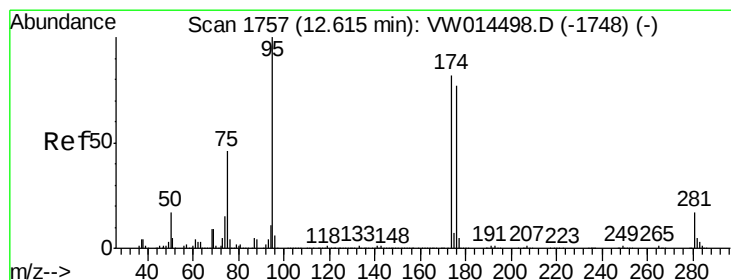
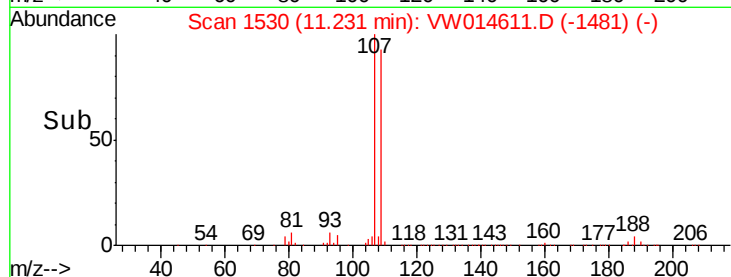
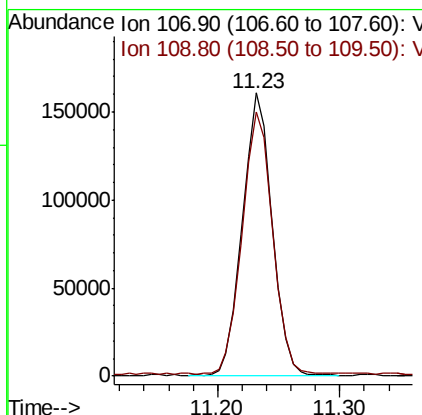
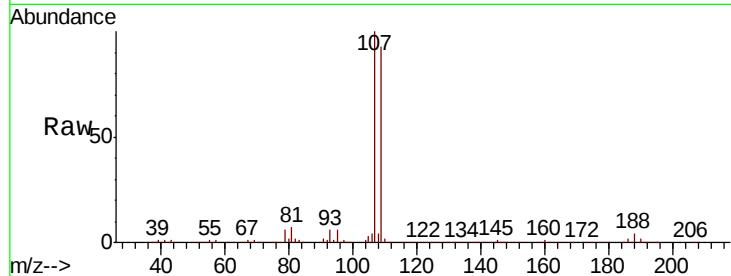
#61
 1,2-Dibromoethane
 Concen: 57.232 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.1	112.7

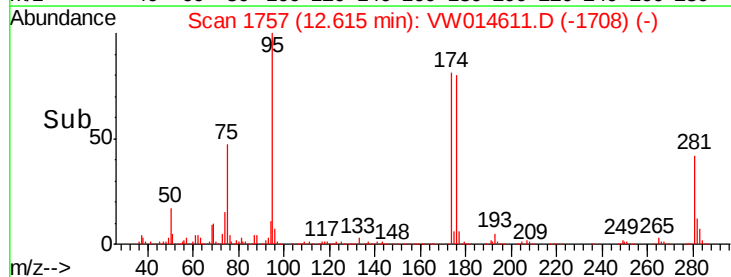
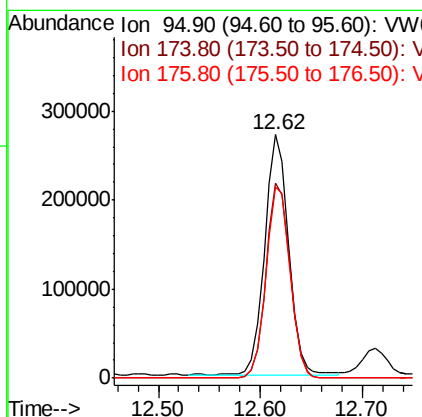
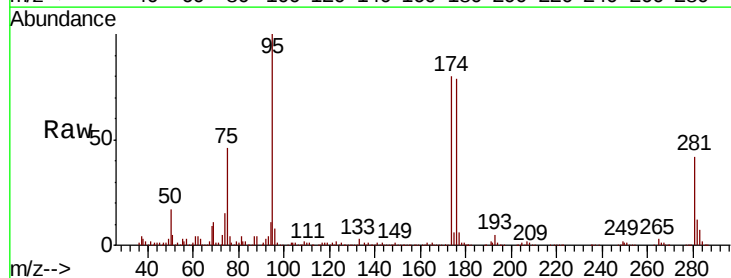
Manual Integrations
 APPROVED

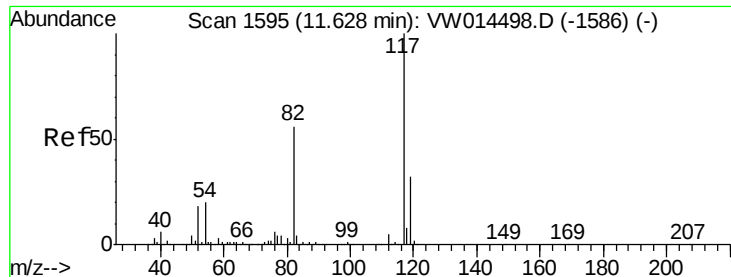
MMDadoda
 1/13/2020 12:01:52 PM



#62
 4-Bromofluorobenzene
 Concen: 52.774 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	0.0	168.6
176	79.4	0.0	162.0





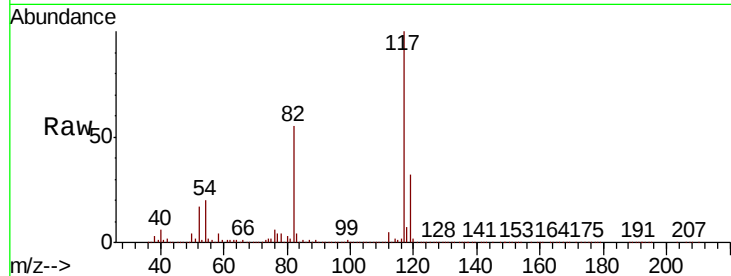
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	67.0
119	31.7	25.7	38.5

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM

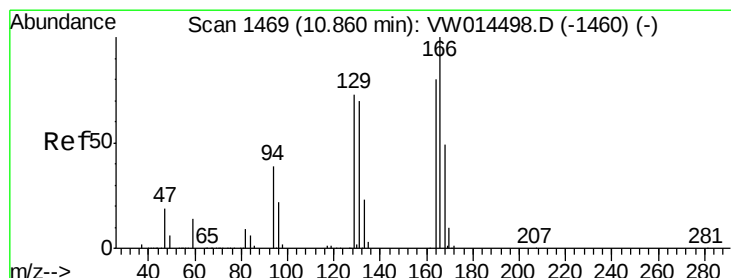
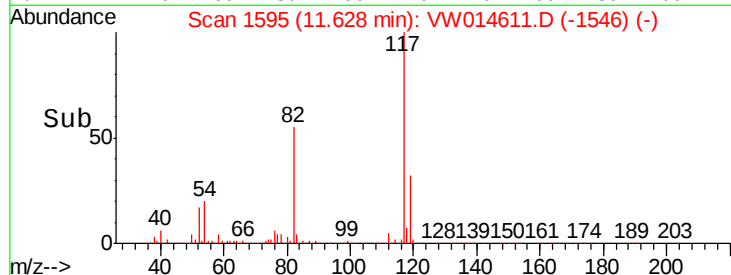
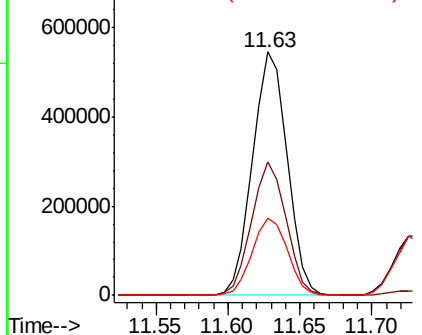


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 62.612 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	99.8	149.6
129	88.1	72.4	108.6
131	84.9	70.1	105.1

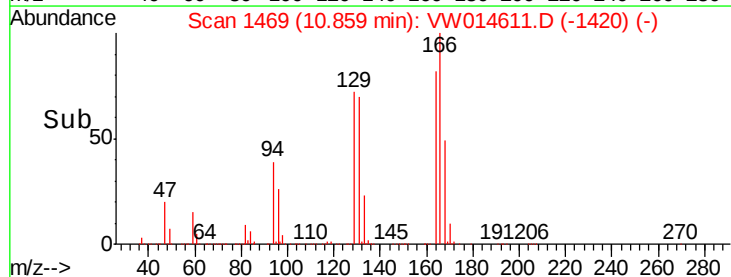
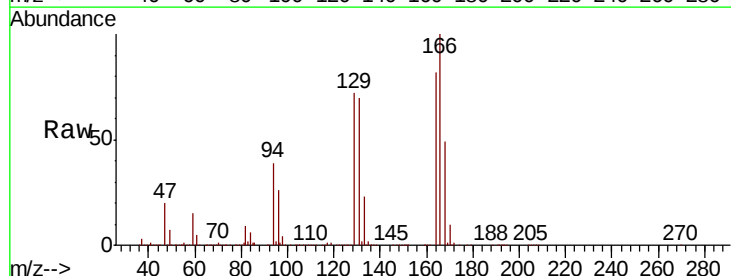
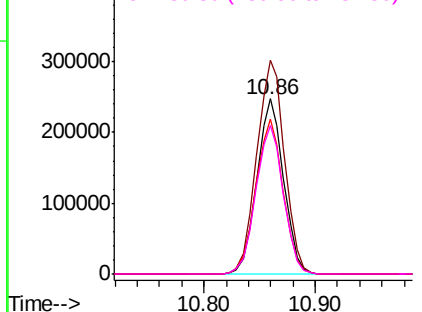
Abundance

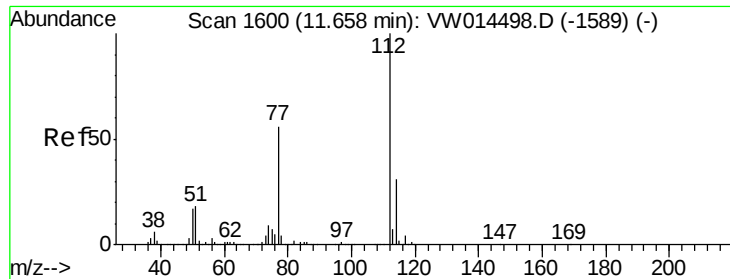
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





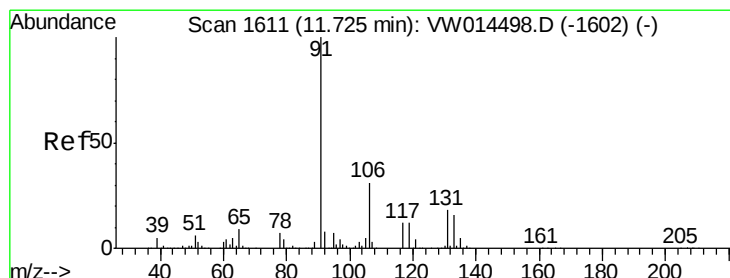
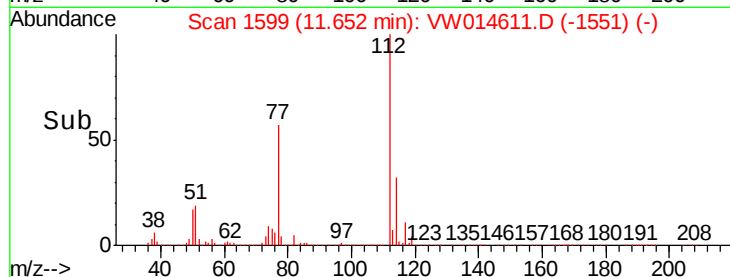
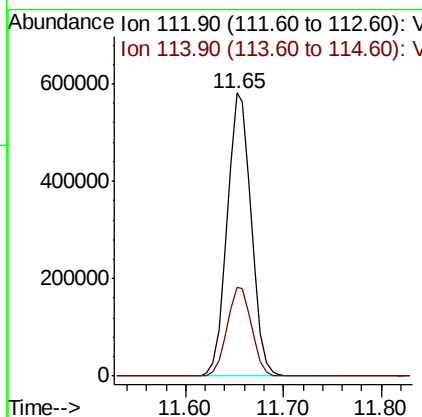
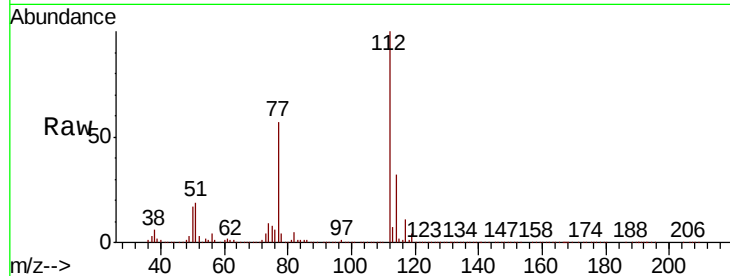
#65
Chlorobenzene
Concen: 52.860 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 984667
Ion Ratio Lower Upper
112 100
114 31.5 24.6 37.0

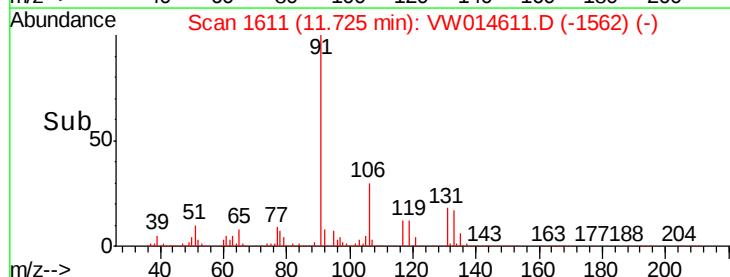
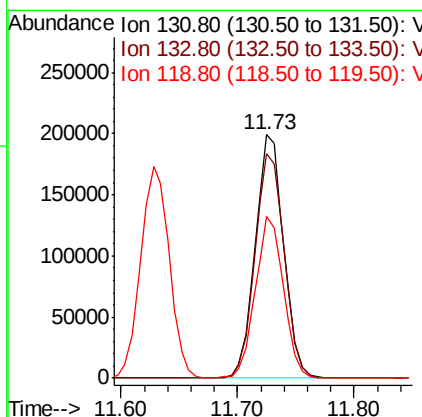
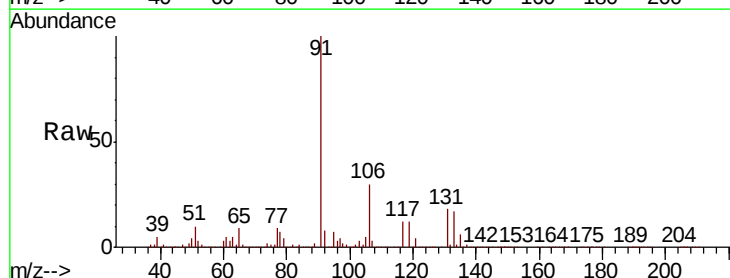
Manual Integrations
APPROVED

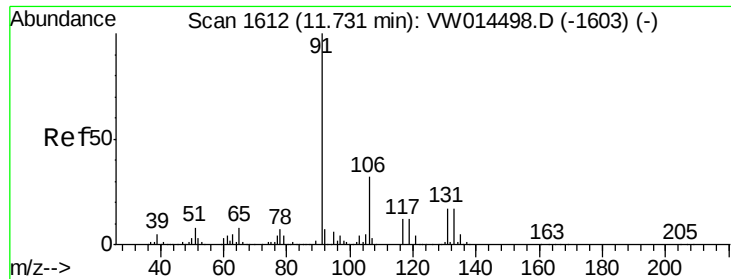
MMDadoda
1/13/2020 12:01:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.777 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion:131 Resp: 337288
Ion Ratio Lower Upper
131 100
133 95.2 47.3 142.0
119 65.8 33.1 99.3





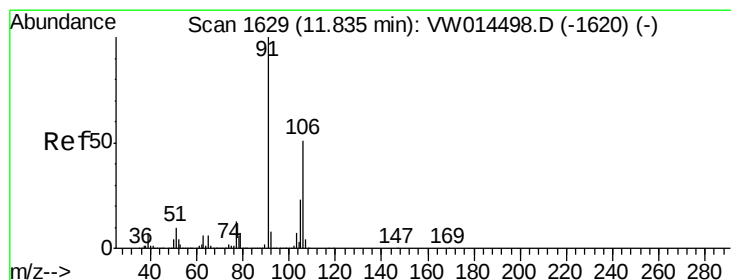
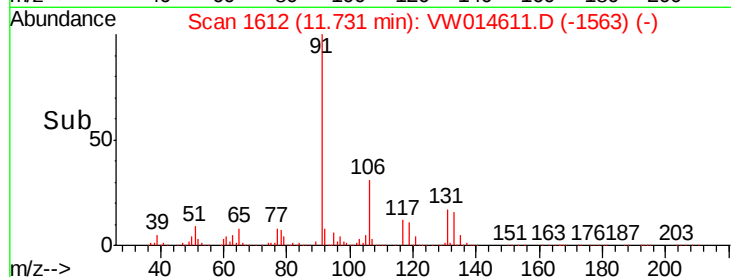
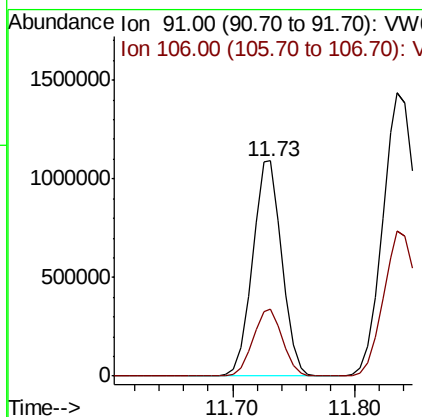
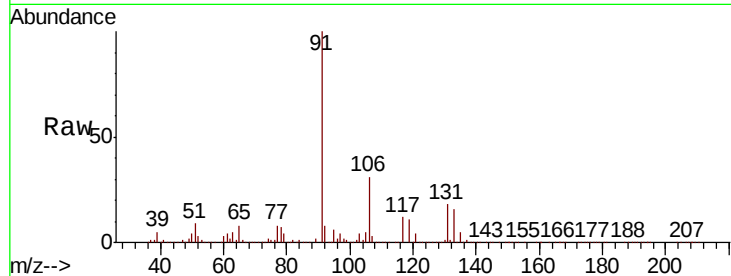
#67
Ethyl Benzene
Concen: 54.220 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1820187
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

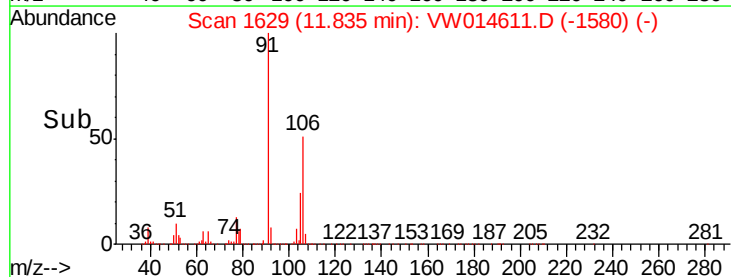
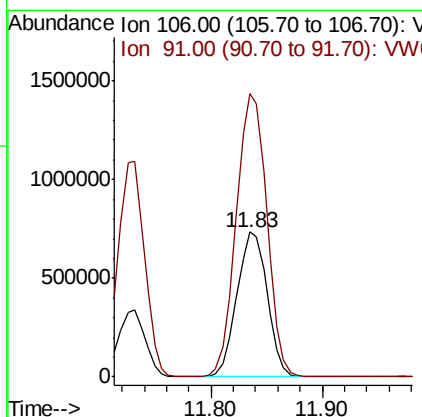
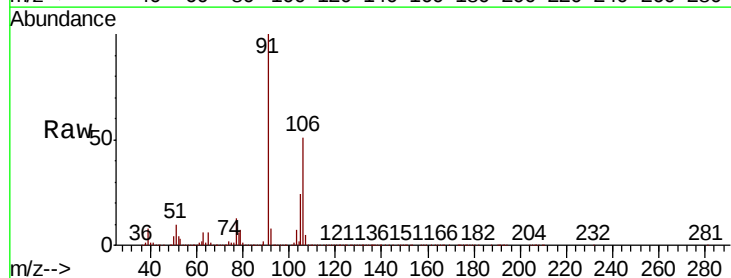
Manual Integrations
APPROVED

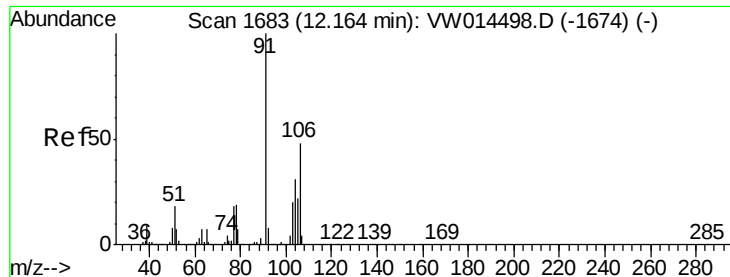
MMDadoda
1/13/2020 12:01:52 PM



#68
m/p-Xylenes
Concen: 107.711 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion: 106 Resp: 1383882
Ion Ratio Lower Upper
106 100
91 197.1 159.0 238.6





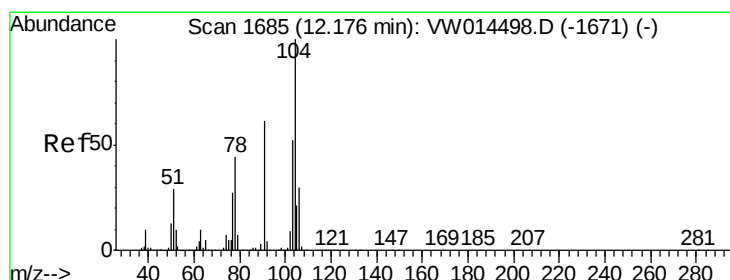
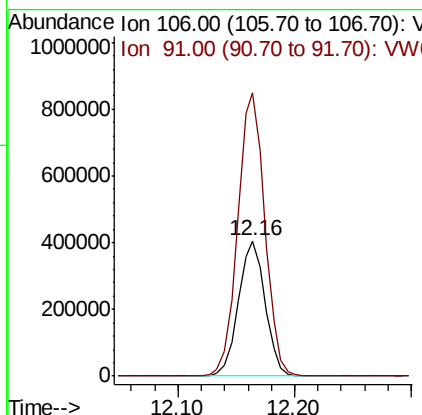
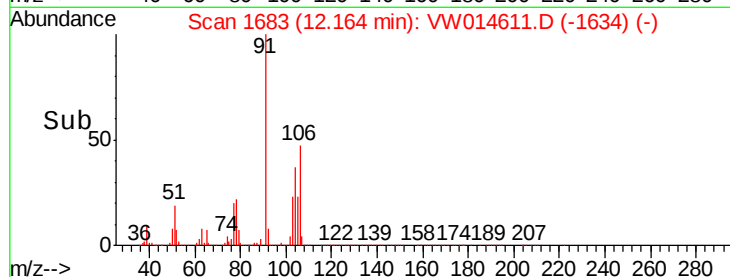
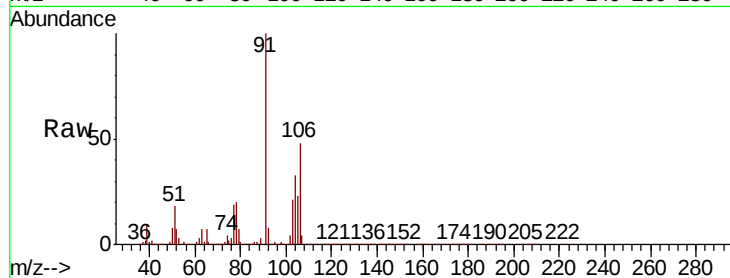
#69
o-Xylene
Concen: 54.686 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 649011
Ion Ratio Lower Upper
106 100
91 210.2 105.2 315.6

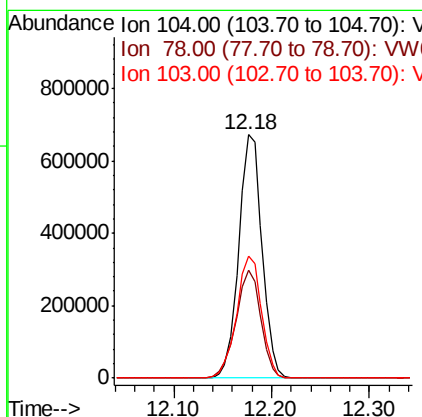
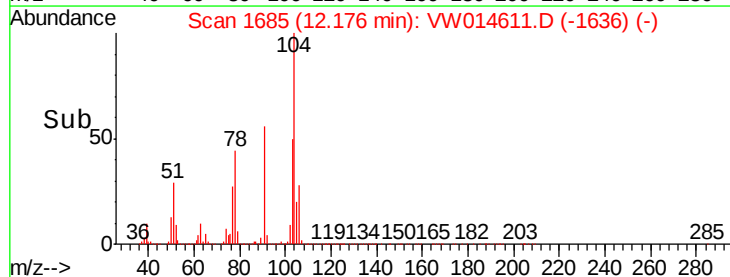
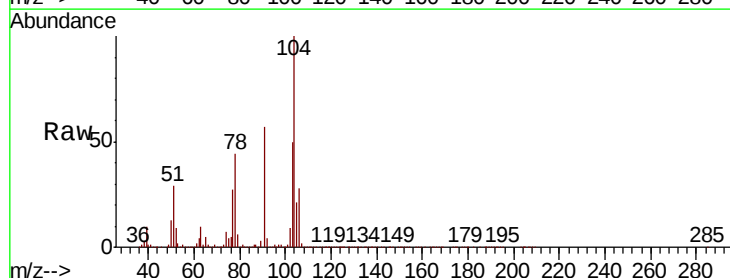
Manual Integrations
APPROVED

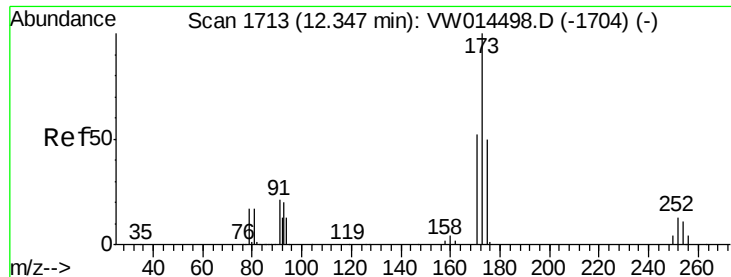
MMDadoda
1/13/2020 12:01:52 PM



#70
Styrene
Concen: 55.225 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion:104 Resp: 1108580
Ion Ratio Lower Upper
104 100
78 47.6 38.4 57.6
103 54.0 43.7 65.5





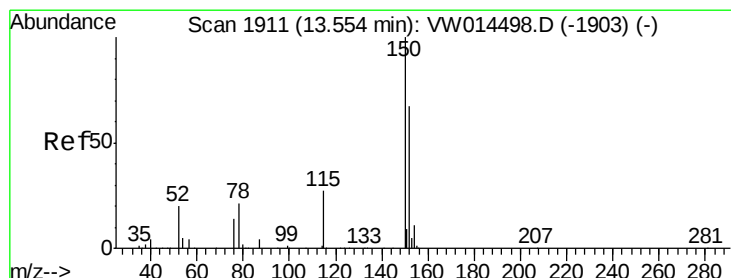
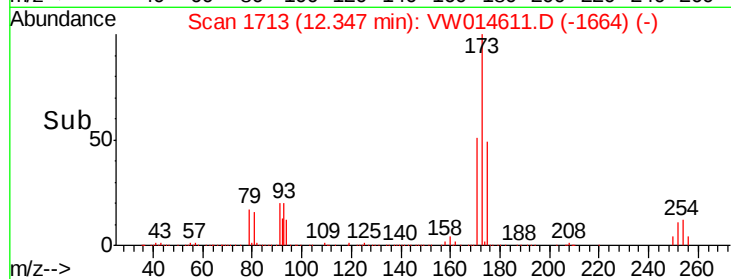
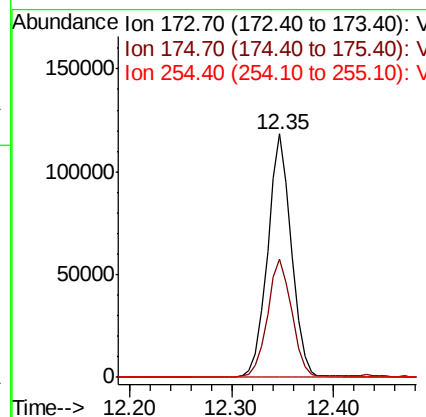
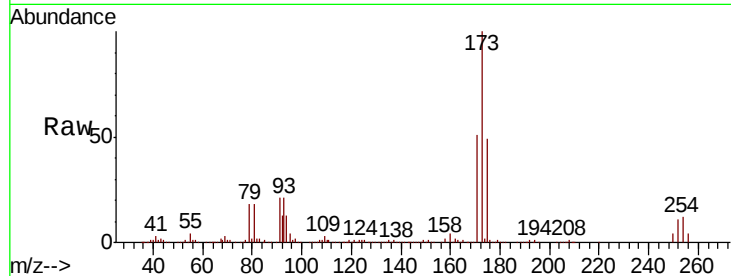
#71
Bromoform
Concen: 55.354 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.5	73.5
254	0.0	0.0	0.0

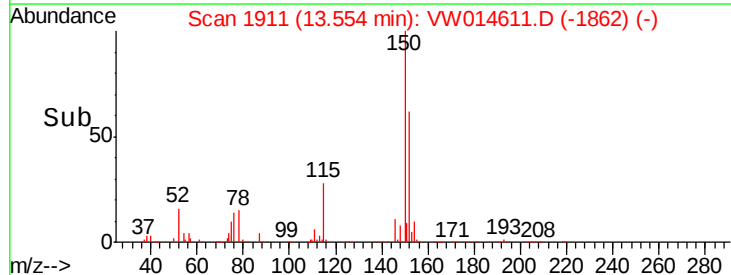
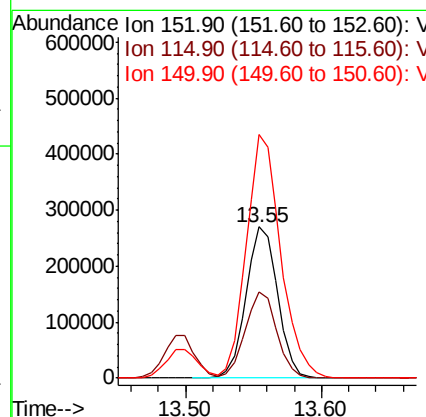
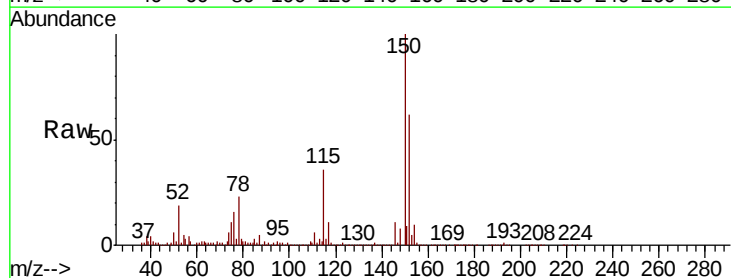
Manual Integrations
APPROVED

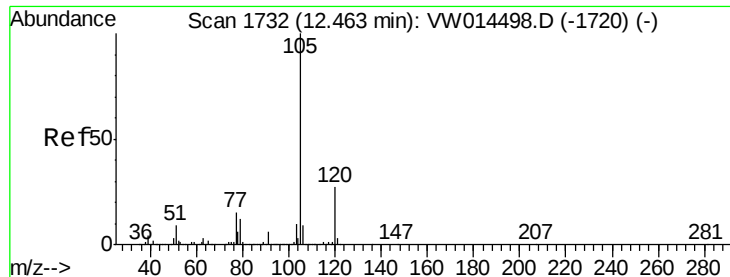
MMDadoda
1/13/2020 12:01:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.7	83.1
150	175.6	0.0	343.4





#73

Isopropylbenzene

Concen: 56.386 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1801624

Ion Ratio Lower Upper

105 100

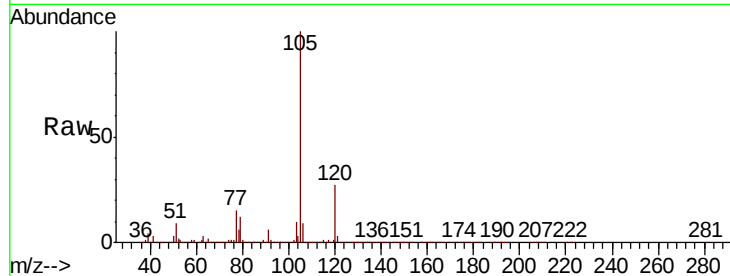
120 26.5 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:01:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

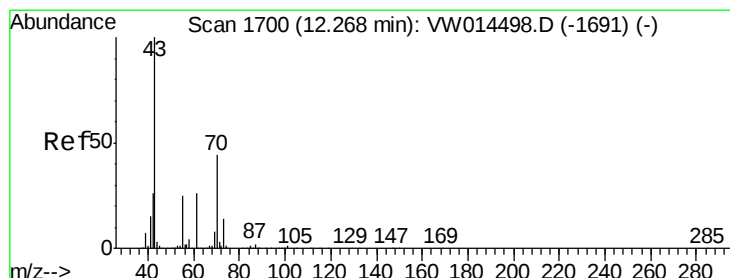
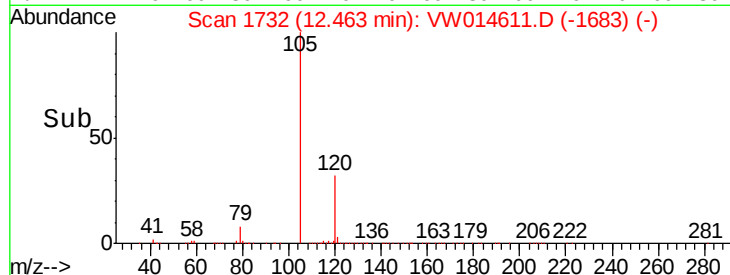
12.46

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 61.486 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion: 43 Resp: 440498

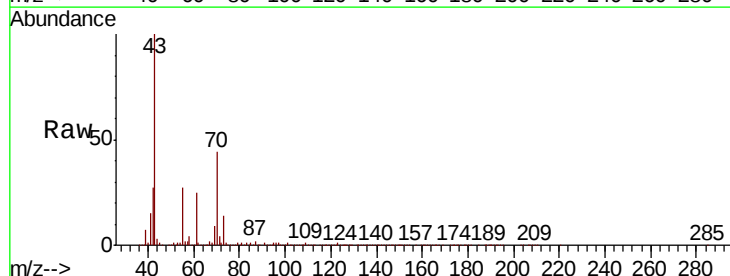
Ion Ratio Lower Upper

43 100

70 46.0 36.5 54.7

55 26.4 20.9 31.3

61 26.1 20.7 31.1



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

400000

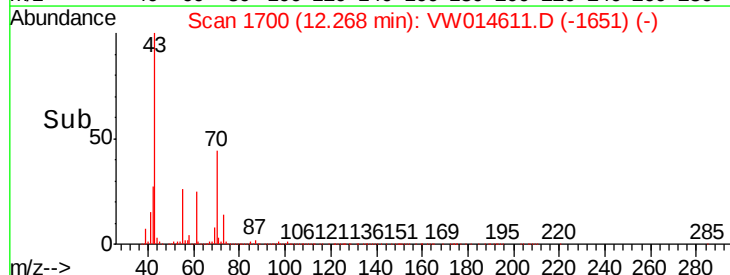
300000

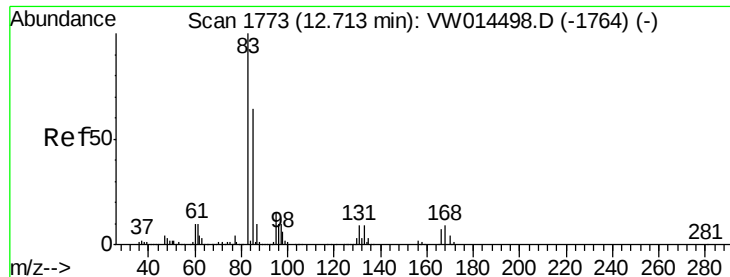
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.269 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

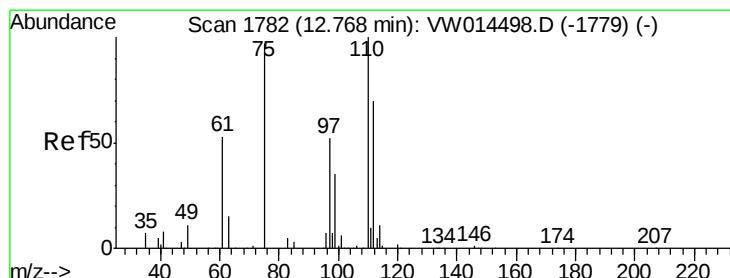
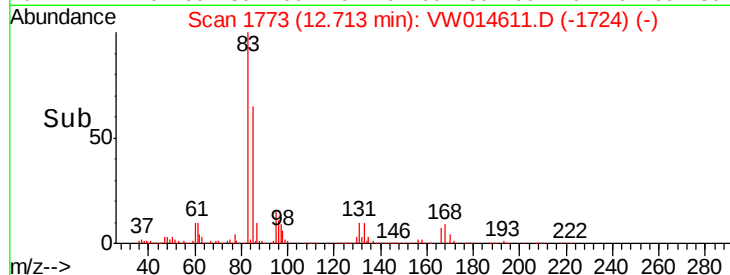
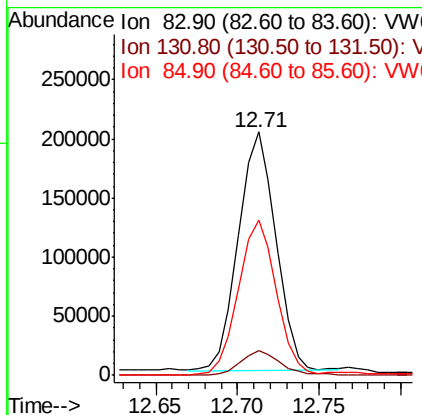
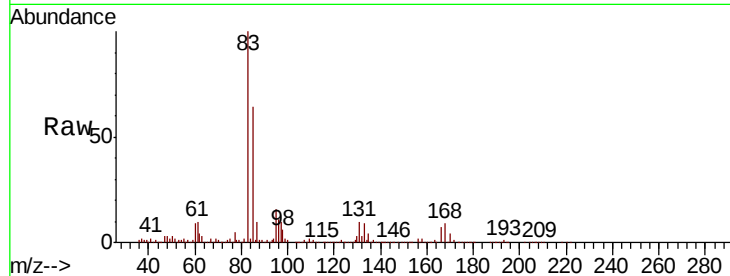
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	324510
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	65.0	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#76

1,2,3-Trichloropropane

Concen: 49.067 ug/l m

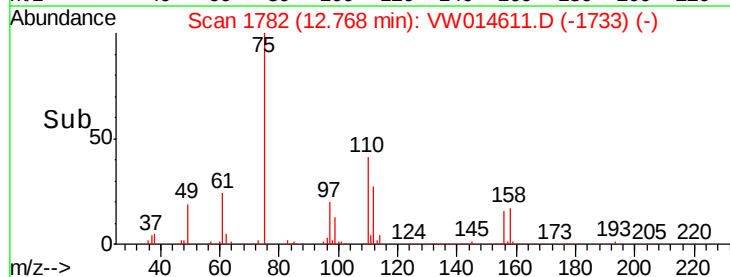
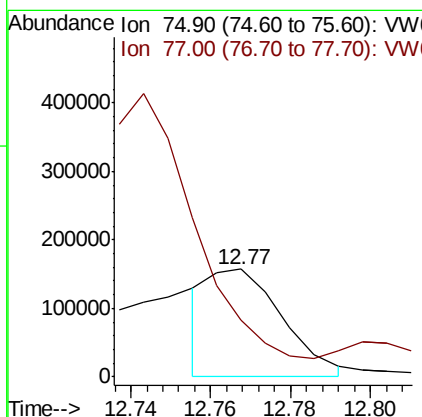
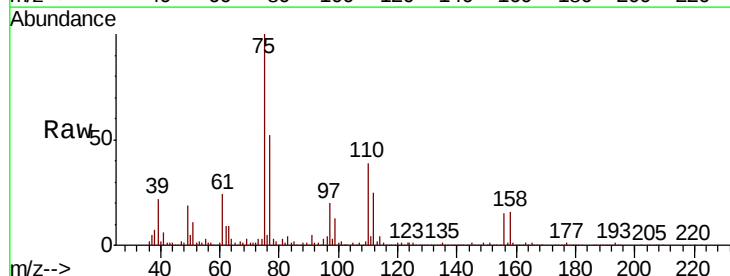
RT: 12.77 min Scan# 1782

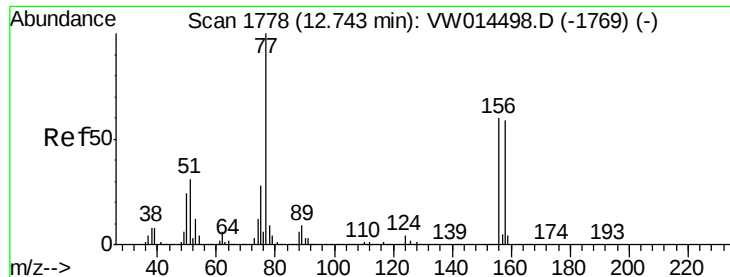
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion:	75	Resp:	202016
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





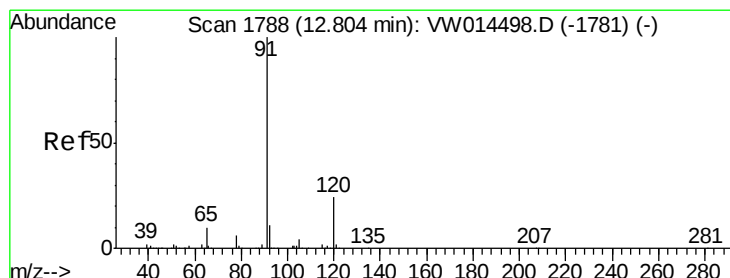
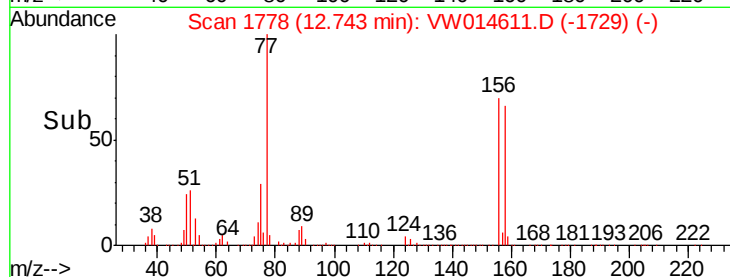
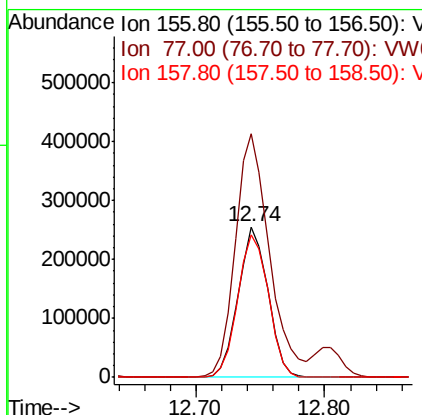
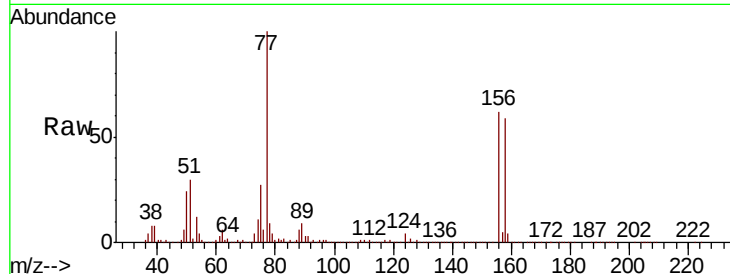
#77
Bromobenzene
Concen: 55.147 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.4	92.3	277.1
158	97.8	48.6	145.9

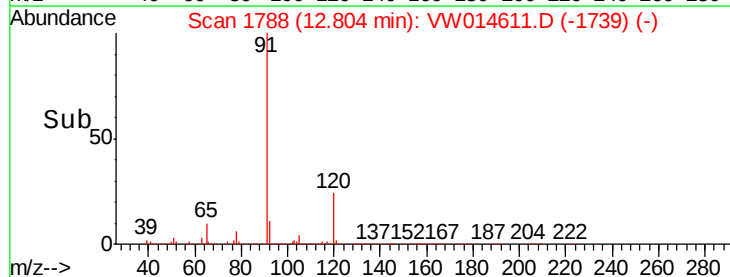
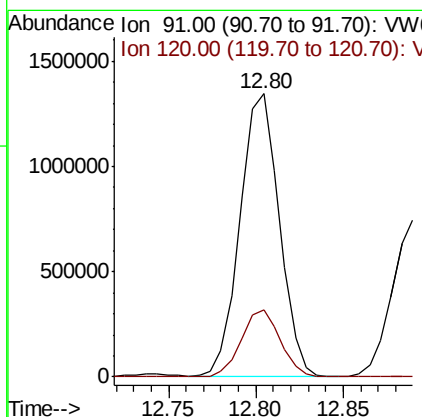
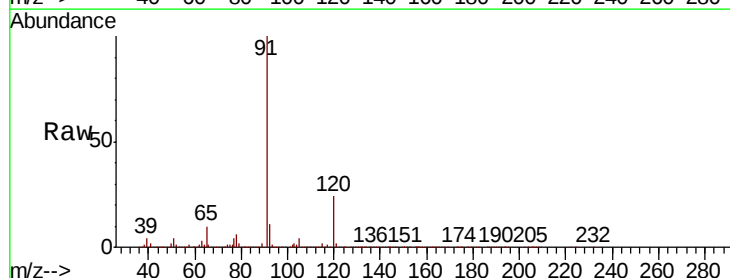
Manual Integrations
APPROVED

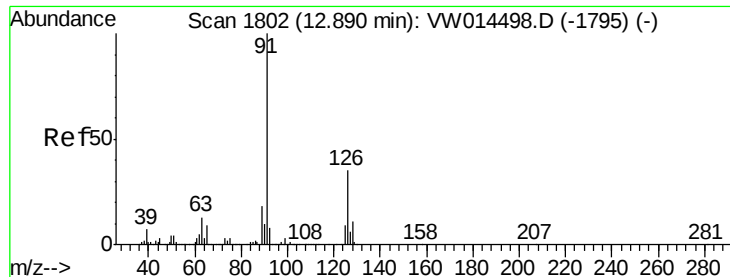
MMDadoda
1/13/2020 12:01:52 PM



#78
n-propylbenzene
Concen: 55.822 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.1





#79

2-Chlorotoluene

Concen: 54.779 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1171238

Ion Ratio Lower Upper

91 100

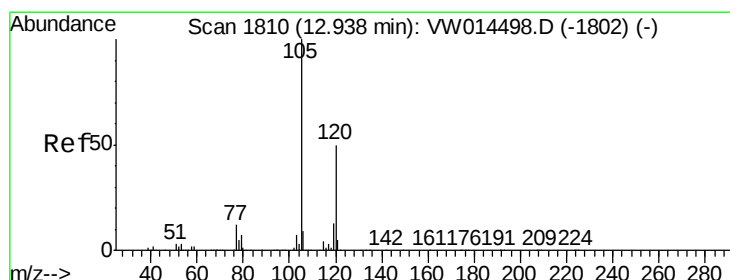
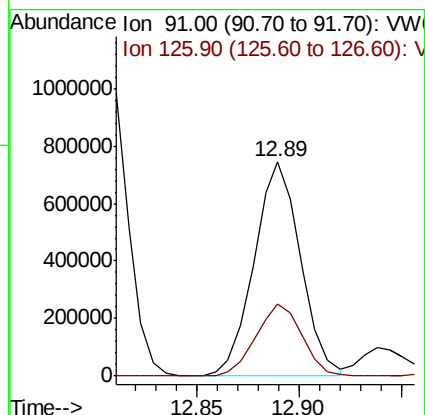
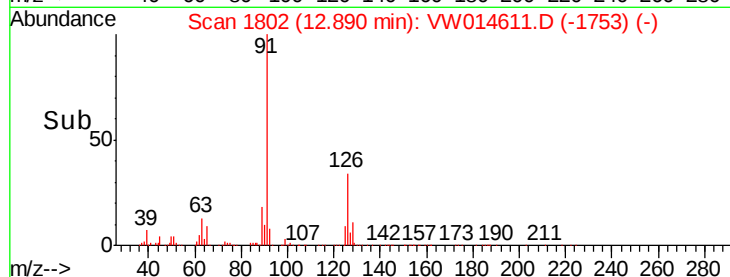
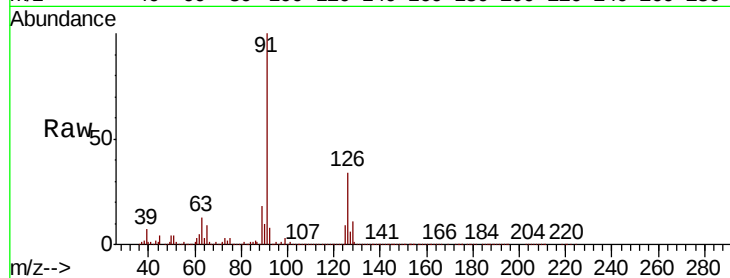
126 33.6 17.1 51.2

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:01:52 PM



#80

1,3,5-Trimethylbenzene

Concen: 55.837 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014611.D

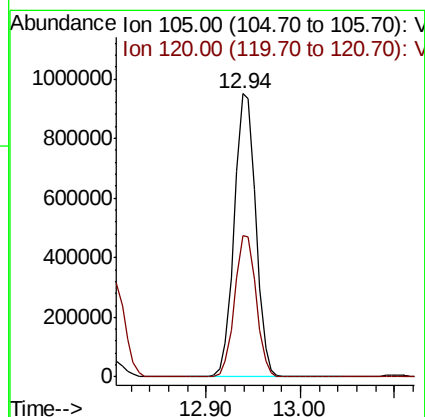
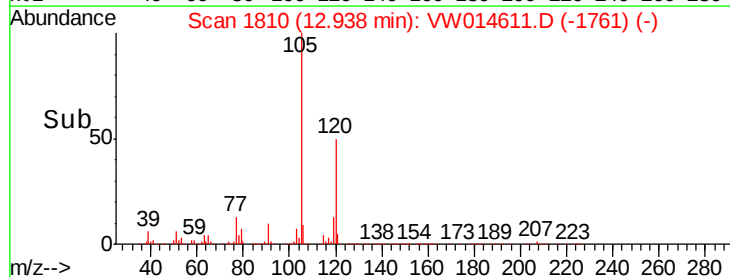
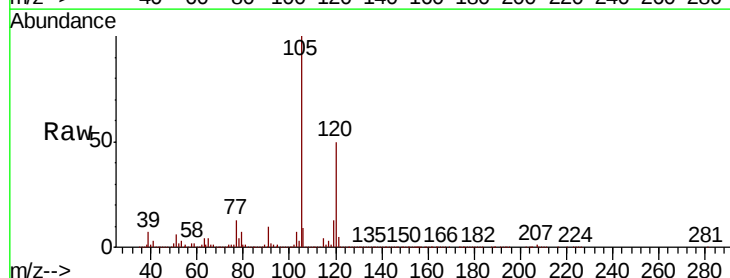
Acq: 10 Jan 2020 20:21

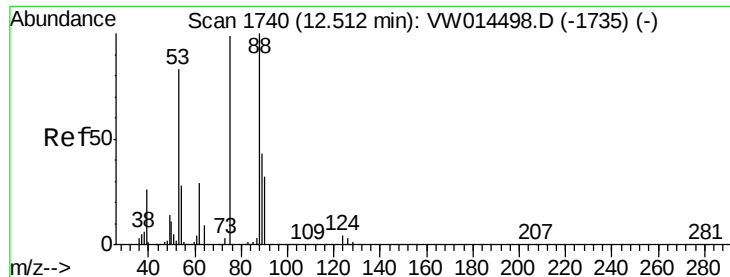
Tgt Ion:105 Resp: 1497982

Ion Ratio Lower Upper

105 100

120 50.1 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.769 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 108598

Ion Ratio Lower Upper

75 100

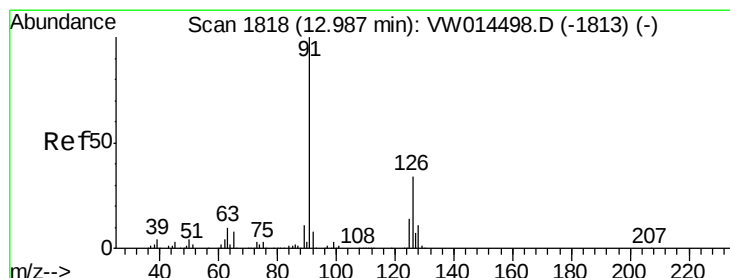
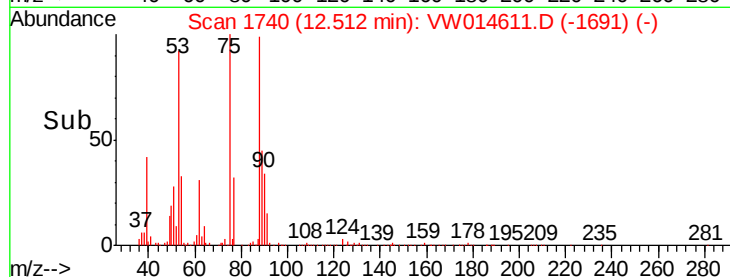
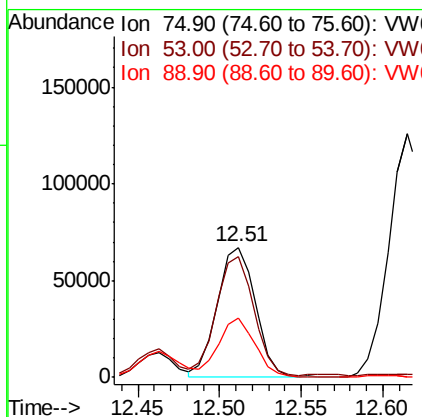
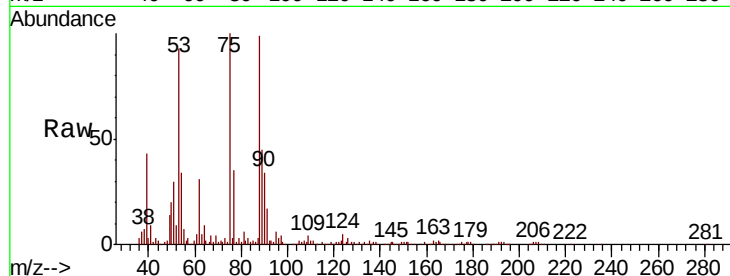
53 89.9 70.9 106.3

89 43.6 35.8 53.8

Manual Integrations
APPROVED

MMDadoda

1/13/2020 12:01:52 PM



#82

4-Chlorotoluene

Concen: 54.772 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014611.D

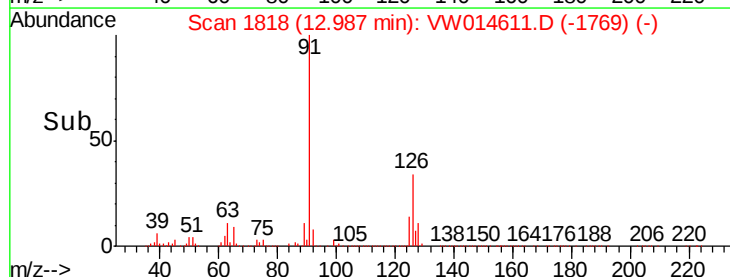
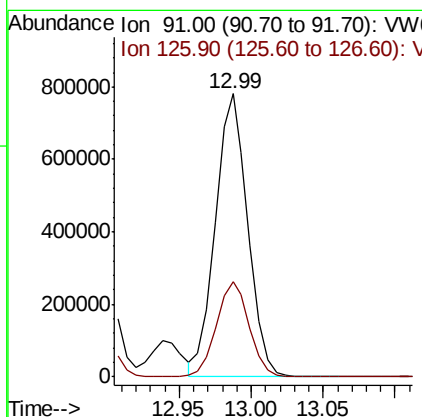
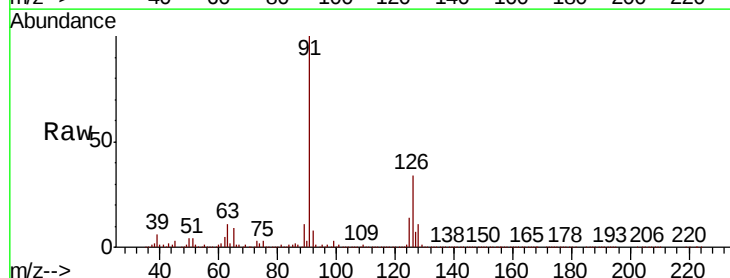
Acq: 10 Jan 2020 20:21

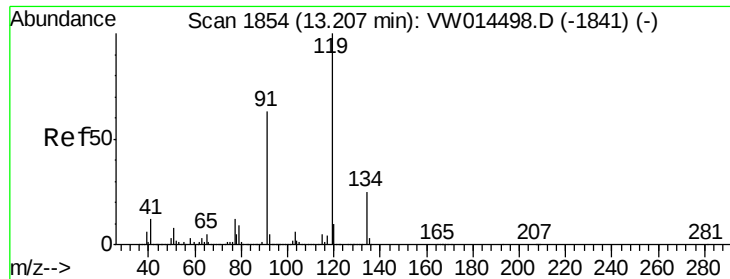
Tgt Ion: 91 Resp: 1216689

Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2





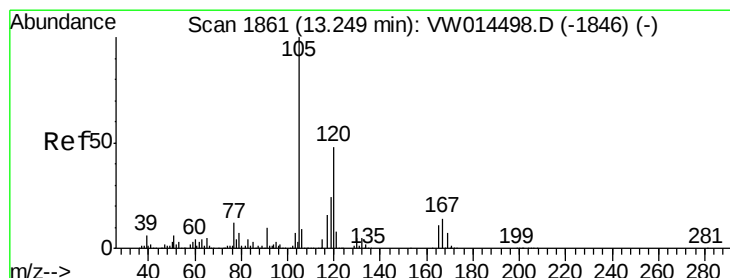
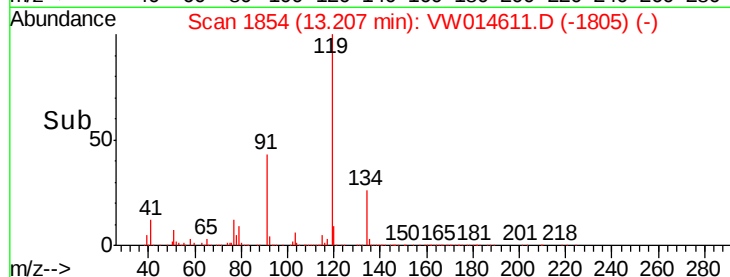
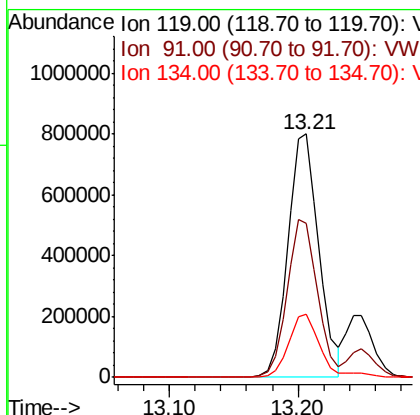
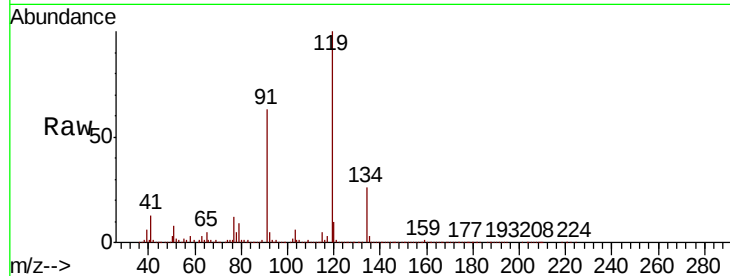
#83
tert-Butylbenzene
Concen: 56.544 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.1	93.3
134	26.7	13.5	40.5

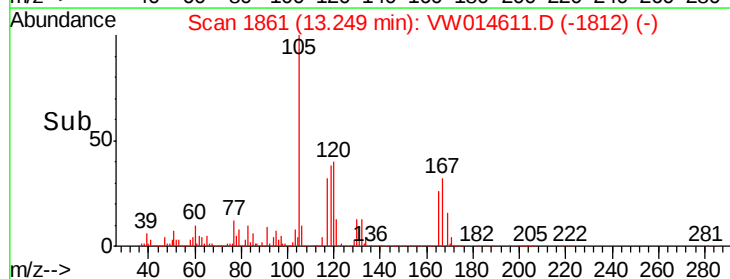
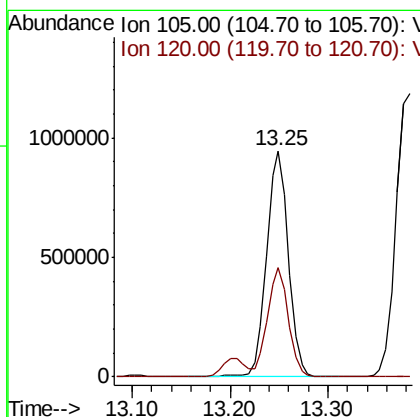
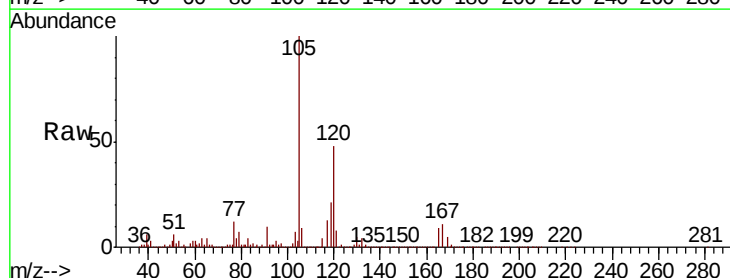
Manual Integrations
APPROVED

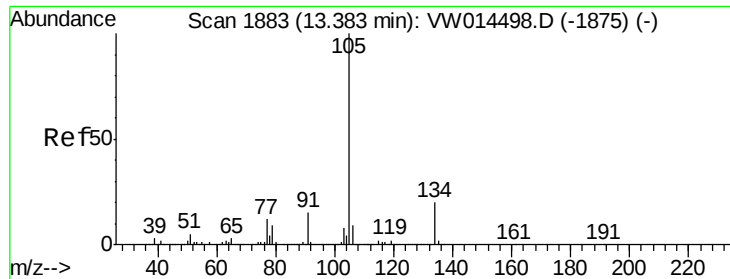
MMDadoda
1/13/2020 12:01:52 PM



#84
1,2,4-Trimethylbenzene
Concen: 55.113 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.0





#85

sec-Butylbenzene

Concen: 57.187 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1859273

Ion Ratio Lower Upper

105 100

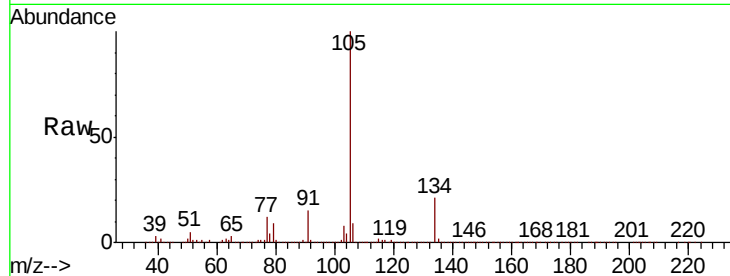
134 20.3 10.2 30.6

Manual Integrations

APPROVED

MMDadoda

1/13/2020 12:01:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

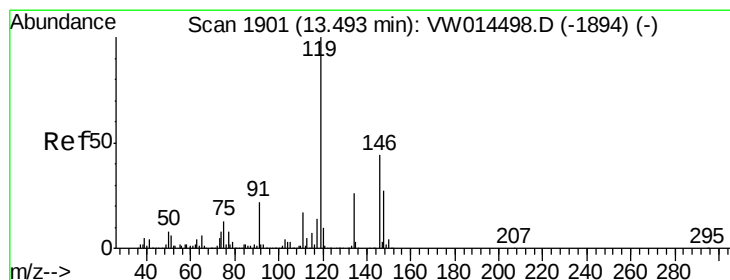
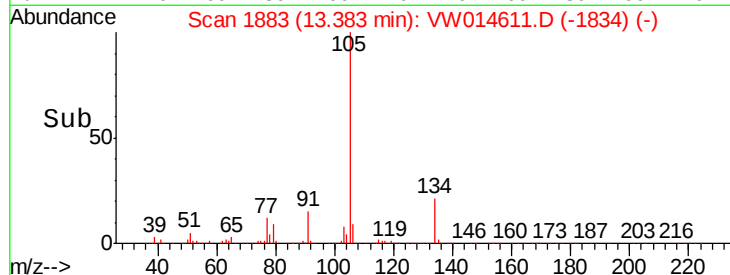
13.38

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 57.065 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

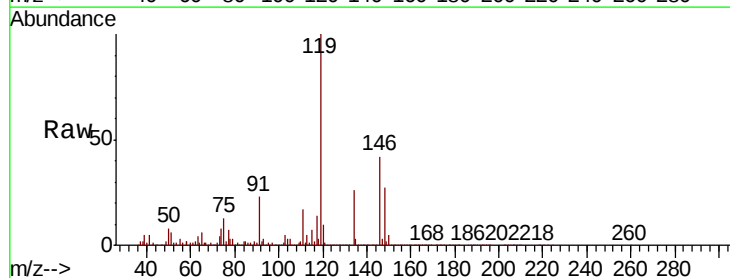
Tgt Ion:119 Resp: 1691079

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 22.0 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

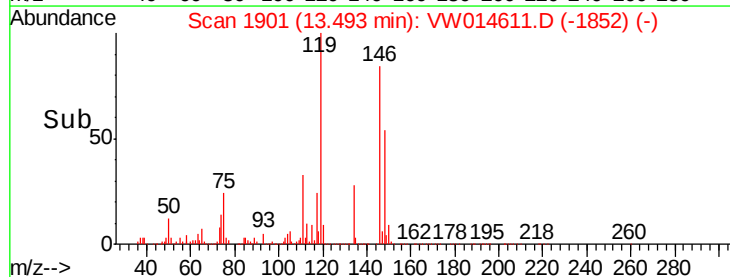
1500000

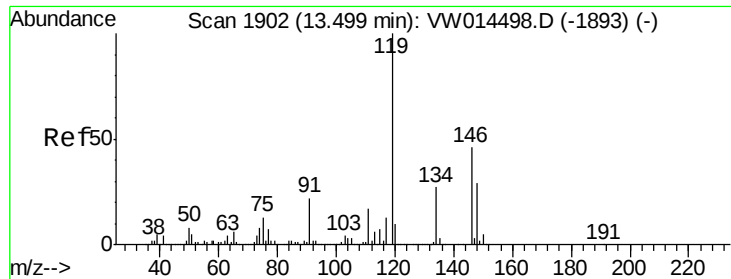
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 55.044 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

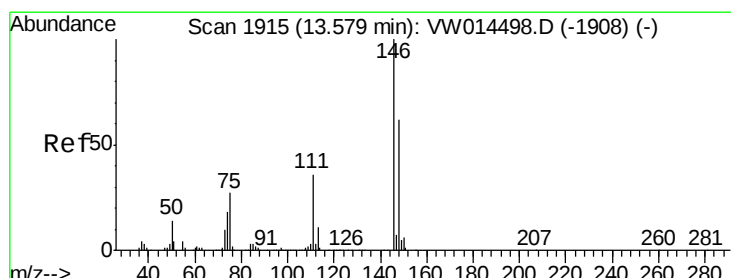
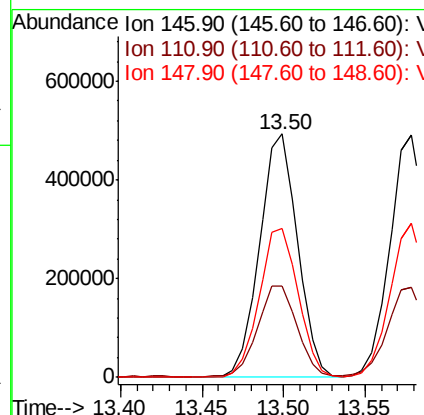
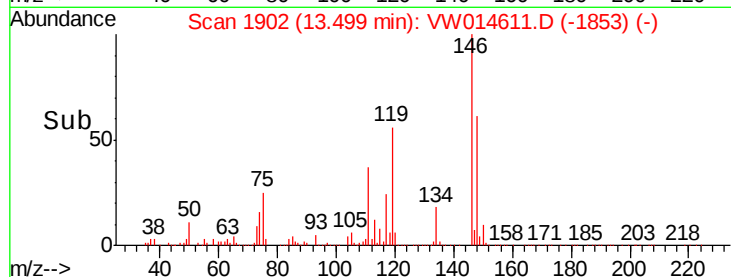
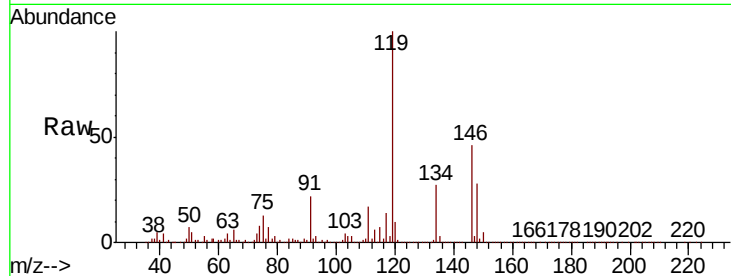
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	62.8	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#88

1,4-Dichlorobenzene

Concen: 54.863 ug/l

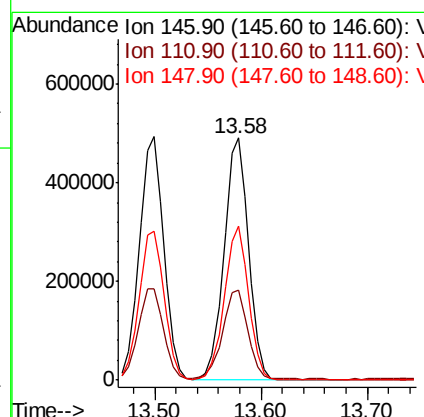
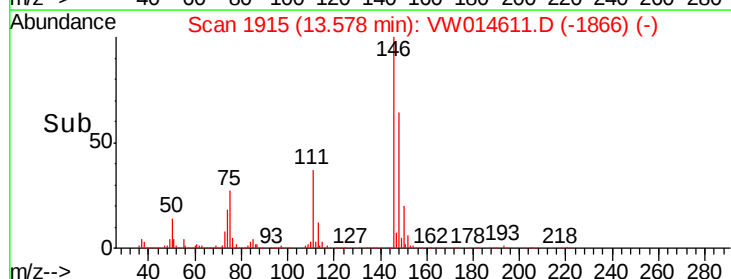
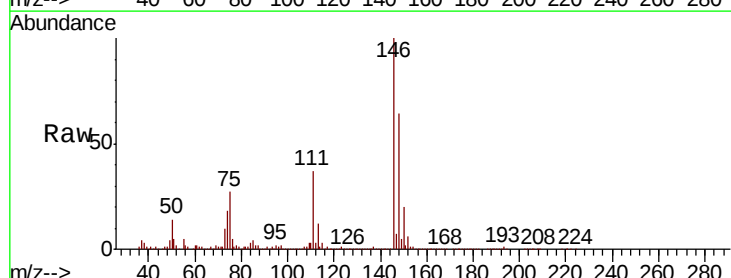
RT: 13.58 min Scan# 1915

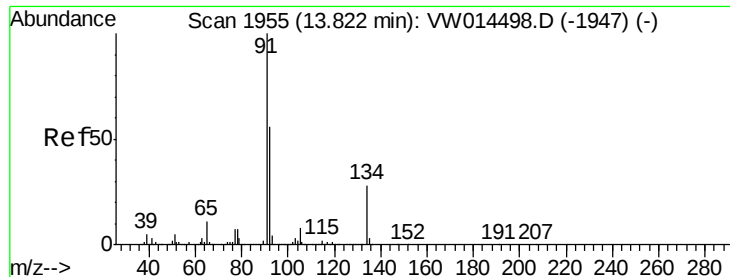
Delta R.T. -0.00 min

Lab File: VW014611.D

Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	63.2	31.7	95.1





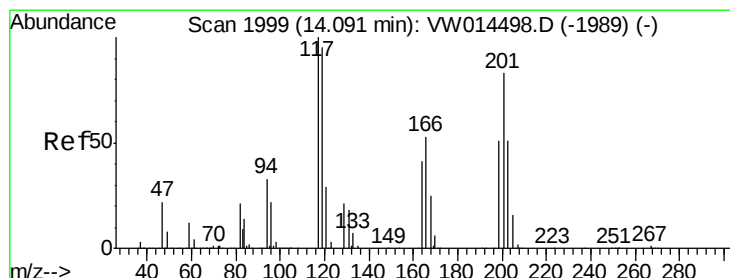
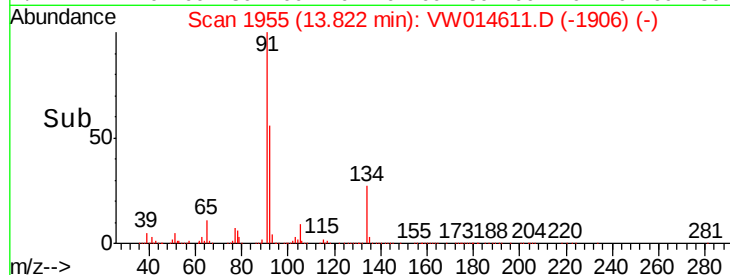
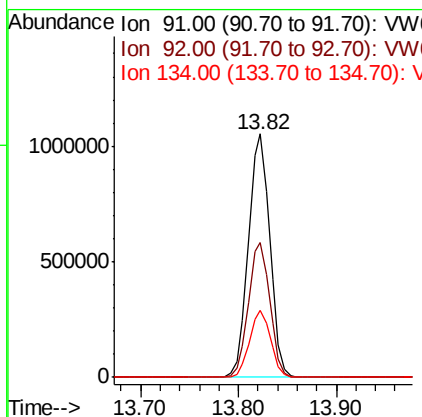
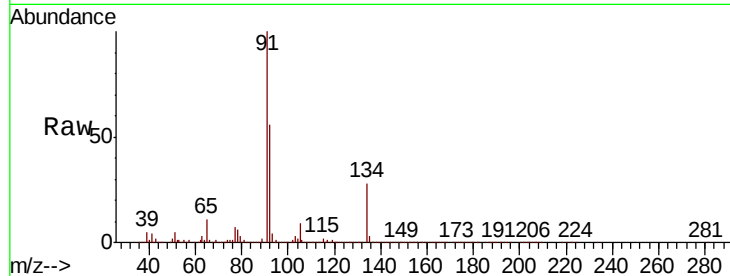
#89
n-Butylbenzene
Concen: 57.762 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.5
134	27.3	13.7	41.1

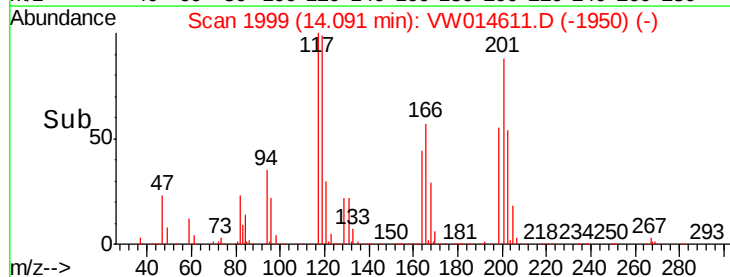
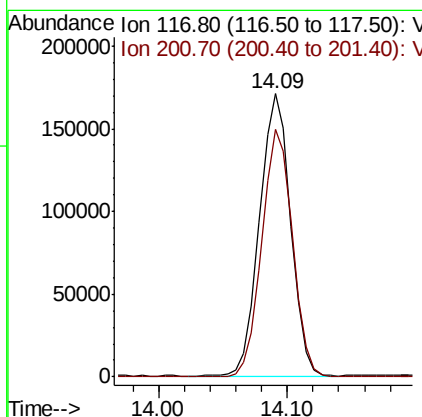
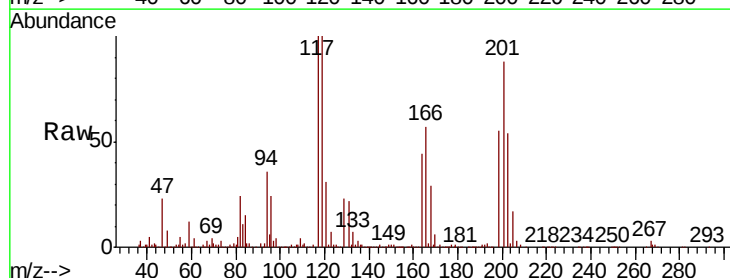
Manual Integrations
APPROVED

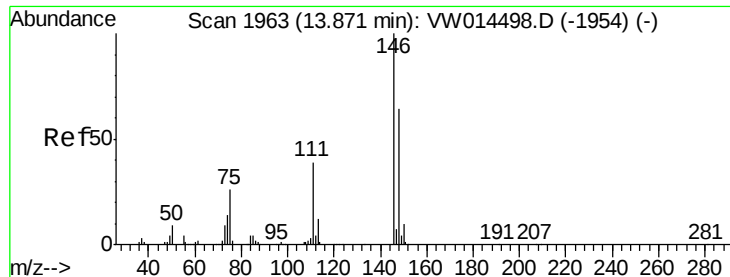
MMDadoda
1/13/2020 12:01:52 PM



#90
Hexachloroethane
Concen: 54.776 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	43.0	128.8





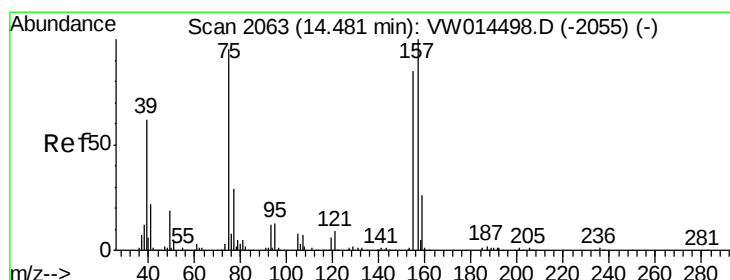
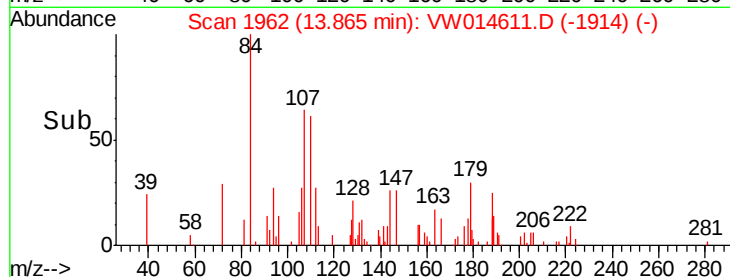
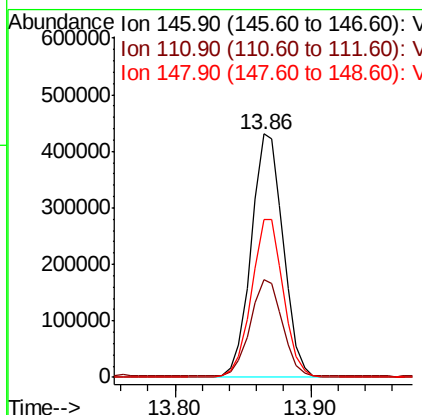
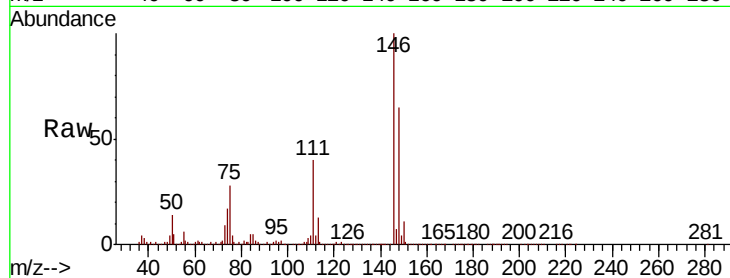
#91
 1,2-Dichlorobenzene
 Concen: 55.866 ug/l
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	708567
Ion Ratio		Lower	Upper
146	100		
111	39.7	20.4	61.3
148	64.8	32.3	96.8

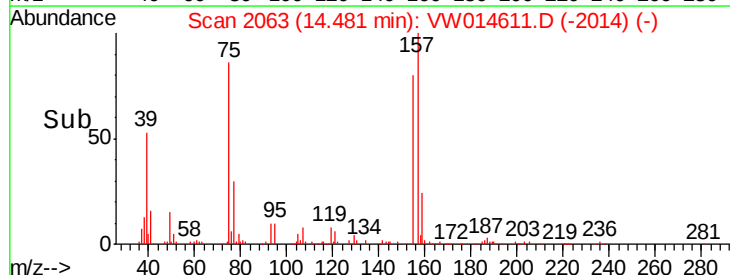
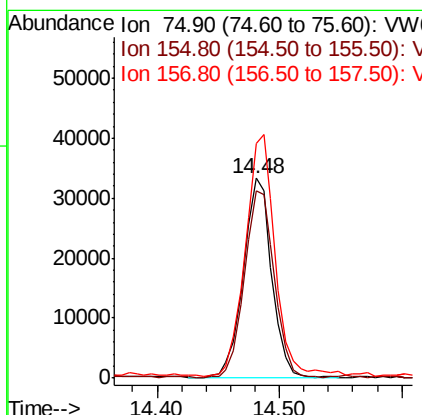
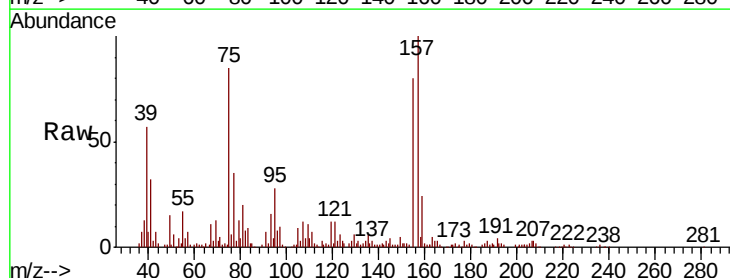
Manual Integrations
 APPROVED

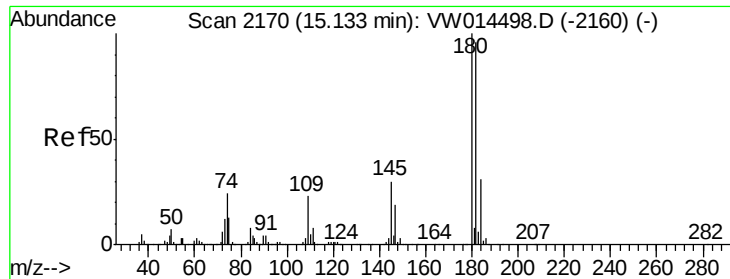
MMDadoda
 1/13/2020 12:01:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.464 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion:	75	Resp:	53393
Ion Ratio		Lower	Upper
75	100		
155	98.0	45.8	137.4
157	128.6	58.1	174.2





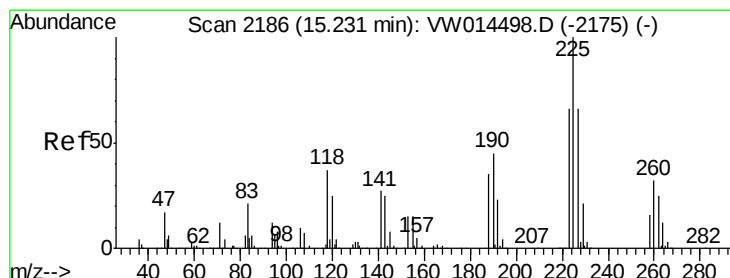
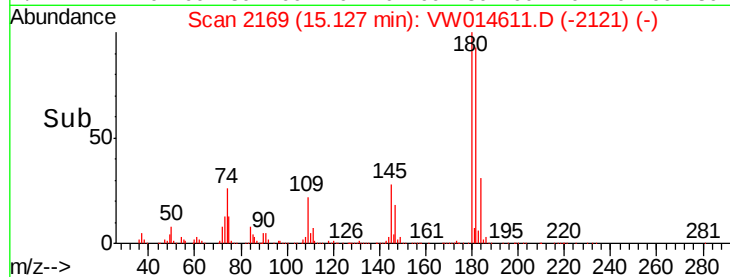
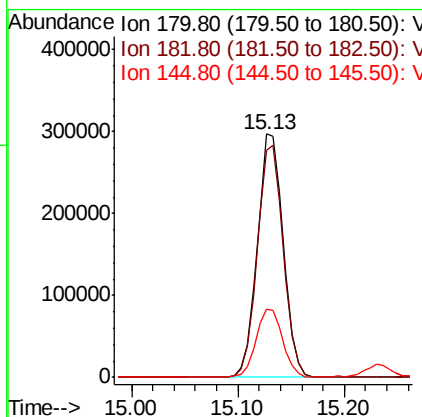
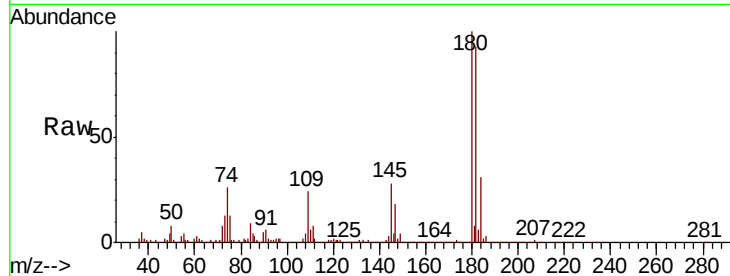
#93
 1,2,4-Trichlorobenzene
 Concen: 59.225 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	507270		
182	95.4	47.3	141.8	
145	28.5	14.7	44.1	

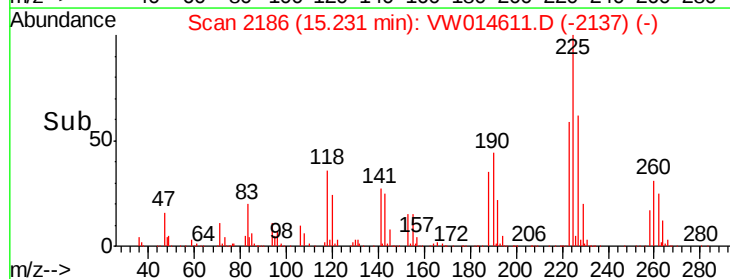
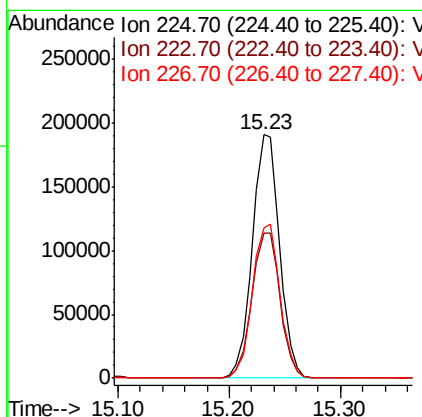
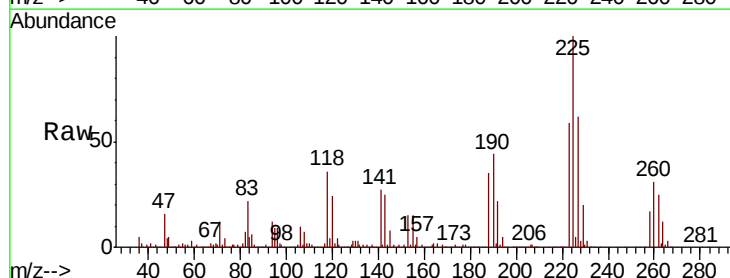
Manual Integrations
 APPROVED

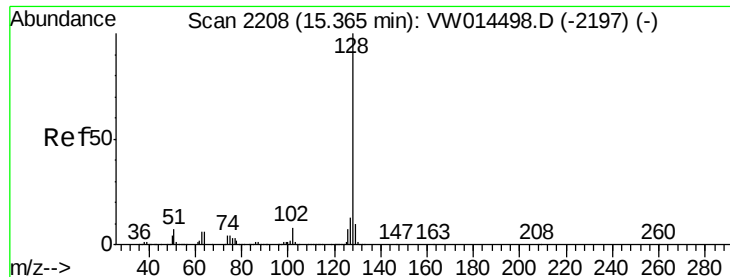
MMDadoda
 1/13/2020 12:01:52 PM



#94
 Hexachlorobutadiene
 Concen: 56.751 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014611.D
 Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	325741		
223	61.5	32.4	97.2	
227	63.8	32.6	97.8	





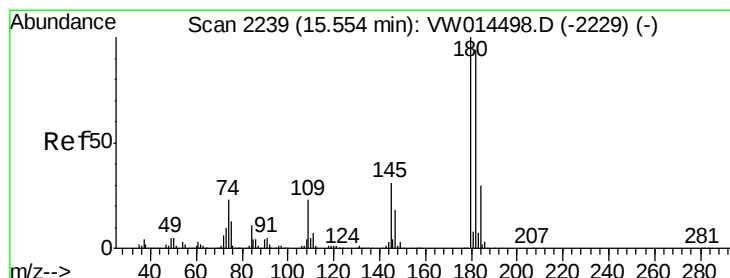
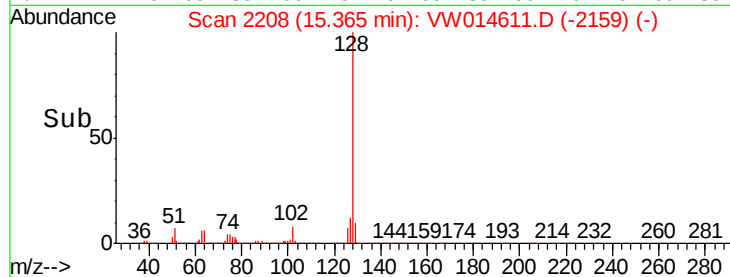
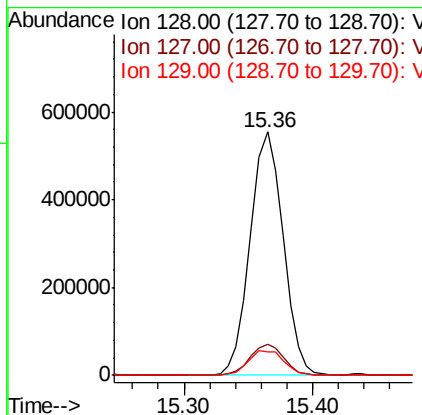
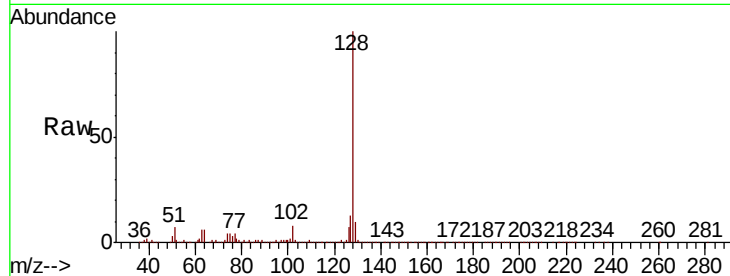
#95
Naphthalene
Concen: 67.095 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:01:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 59.526 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014611.D
Acq: 10 Jan 2020 20:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	31.0	15.5	46.5

