

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100319\
 Data File : VW013429.D
 Acq On : 03 Oct 2019 19:36
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:06:40 PM

Quant Time: Oct 04 09:37:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	333643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	483532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	208864	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	137154	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	
35) Dibromofluoromethane	7.88	113	140012	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	10.32	98	576524	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
62) 4-Bromofluorobenzene	12.62	95	195660	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	67443	52.262	ug/l	99
3) Chloromethane	2.21	50	110659	51.964	ug/l	99
4) Vinyl Chloride	2.36	62	167430	55.399	ug/l	99
5) Bromomethane	2.77	94	100534	54.144	ug/l	95
6) Chloroethane	2.92	64	92498	53.003	ug/l	97
7) Trichlorofluoromethane	3.25	101	81212	61.939	ug/l	93
8) Diethyl Ether	3.68	74	87178	57.444	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	160897	55.349	ug/l	99
10) Methyl Iodide	4.27	142	267202	56.917	ug/l	98
11) Tert butyl alcohol	5.18	59	58903	288.238	ug/l	98
12) 1,1-Dichloroethene	4.04	96	169872	55.309	ug/l	98
13) Acrolein	3.89	56	48658	195.584	ug/l	99
14) Allyl chloride	4.67	41	269169	59.243	ug/l	99
15) Acrylonitrile	5.37	53	196443	286.341	ug/l	98
16) Acetone	4.12	43	163642	214.302	ug/l	94
17) Carbon Disulfide	4.38	76	490223	57.214	ug/l	98
18) Methyl Acetate	4.67	43	96341	53.904	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	269412	59.599	ug/l	100
20) Methylene Chloride	4.91	84	181278	57.120	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	181927	55.622	ug/l	99
22) Diisopropyl ether	6.31	45	517260	58.952	ug/l	99
23) Vinyl Acetate	6.25	43	1569169	298.038	ug/l	99
24) 1,1-Dichloroethane	6.21	63	308138	57.657	ug/l	99
25) 2-Butanone	7.17	43	249325	255.170	ug/l	95
26) 2,2-Dichloropropane	7.17	77	177315	57.596	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	197041	57.553	ug/l	97
28) Bromochloromethane	7.51	49	110441	57.155	ug/l	95
29) Tetrahydrofuran	7.53	42	164325	287.626	ug/l	100
30) Chloroform	7.68	83	296301	56.541	ug/l	99
31) Cyclohexane	7.96	56	302969	53.158	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	237927	57.953	ug/l	99
36) 1,1-Dichloropropene	8.08	75	249780	55.617	ug/l	99
37) Ethyl Acetate	7.25	43	114009	57.496	ug/l	97
38) Carbon Tetrachloride	8.07	117	220142	56.586	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100319\
 Data File : VW013429.D
 Acq On : 03 Oct 2019 19:36
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:06:40 PM

Quant Time: Oct 04 09:37:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	327932	55.444	ug/l	98
40) Benzene	8.32	78	717290	56.420	ug/l	99
41) Methacrylonitrile	7.48	41	66110	55.318	ug/l	93
42) 1,2-Dichloroethane	8.40	62	186171	56.976	ug/l	98
43) Isopropyl Acetate	8.42	43	215392	57.738	ug/l	98
44) Trichloroethene	9.09	130	201451	56.270	ug/l	98
45) 1,2-Dichloropropane	9.37	63	175217	57.402	ug/l	97
46) Dibromomethane	9.46	93	86620	56.972	ug/l	98
47) Bromodichloromethane	9.65	83	217348	58.071	ug/l	96
48) Methyl methacrylate	9.43	41	108086	60.300	ug/l	95
49) 1,4-Dioxane	9.46	88	27921	1194.914	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	547540	279.358	ug/l	98
52) Toluene	10.38	92	460707	56.183	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	228371	58.660	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	277721	58.837	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	130386	57.488	ug/l	99
56) Ethyl methacrylate	10.65	69	179715	58.869	ug/l	97
57) 1,3-Dichloropropane	10.93	76	223970	56.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	342140	272.833	ug/l	99
59) 2-Hexanone	10.97	43	379170	279.103	ug/l	100
60) Dibromochloromethane	11.13	129	153714	59.241	ug/l	98
61) 1,2-Dibromoethane	11.24	107	125986	57.484	ug/l	99
64) Tetrachloroethene	10.86	164	175691	55.632	ug/l	99
65) Chlorobenzene	11.66	112	481995	56.677	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	169786	58.618	ug/l	100
67) Ethyl Benzene	11.73	91	877702	57.586	ug/l	100
68) m/p-Xylenes	11.84	106	665330	113.091	ug/l	99
69) o-Xylene	12.16	106	315505	58.003	ug/l	97
70) Styrene	12.18	104	547909	58.925	ug/l	99
71) Bromoform	12.35	173	94054	59.892	ug/l #	100
73) Isopropylbenzene	12.46	105	864485	56.584	ug/l	100
74) N-amyl acetate	12.27	43	199069	61.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	147565	57.065	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	94011m	50.644	ug/l	
77) Bromobenzene	12.74	156	204793	55.825	ug/l	99
78) n-propylbenzene	12.80	91	1000991	56.959	ug/l	100
79) 2-Chlorotoluene	12.89	91	560528	57.425	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	719290	56.676	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	50071	56.741	ug/l	93
82) 4-Chlorotoluene	12.99	91	581665	56.887	ug/l	99
83) tert-Butylbenzene	13.21	119	646269	58.300	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	710767	56.336	ug/l	100
85) sec-Butylbenzene	13.38	105	877598	57.420	ug/l	99
86) p-Isopropyltoluene	13.50	119	814844	57.528	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	397203	57.551	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	388324	56.193	ug/l	100
89) n-Butylbenzene	13.82	91	740347	57.976	ug/l	100
90) Hexachloroethane	14.09	117	138881	59.348	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	347337	56.929	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22967	59.379	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013429.D
Acq On : 03 Oct 2019 19:36
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

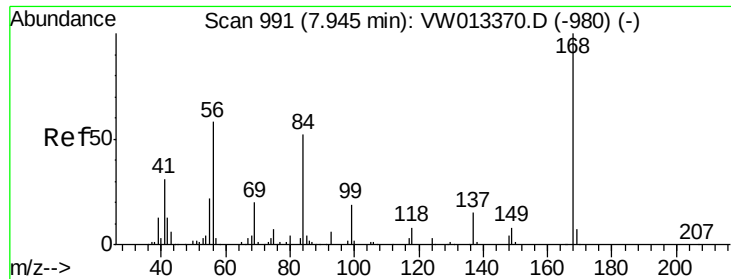
Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM

Quant Time: Oct 04 09:37:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	254595	58.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	163618	57.524	ug/l	100
95) Naphthalene	15.36	128	451215	61.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	218227	57.084	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: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 333643

Ion Ratio Lower Upper

168 100

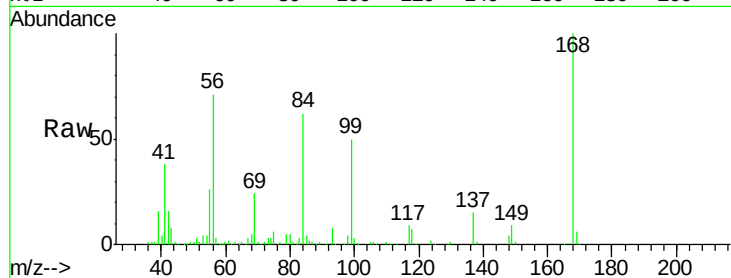
99 49.8 40.2 60.4

Manual Integrations

APPROVED

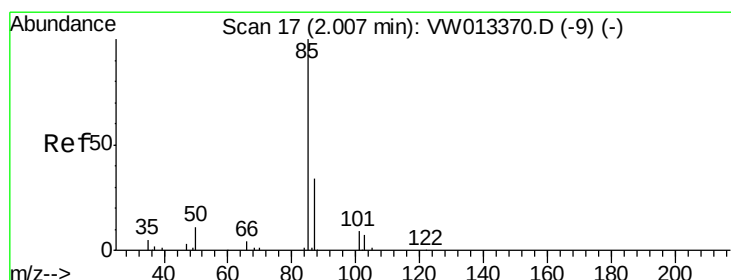
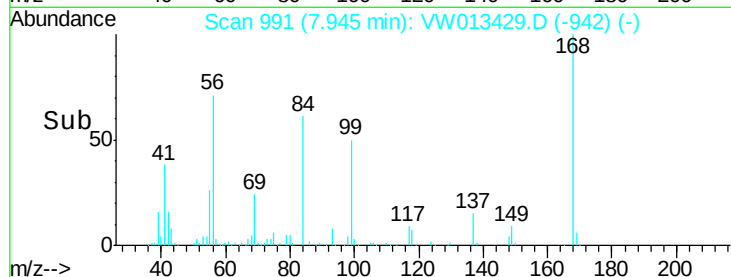
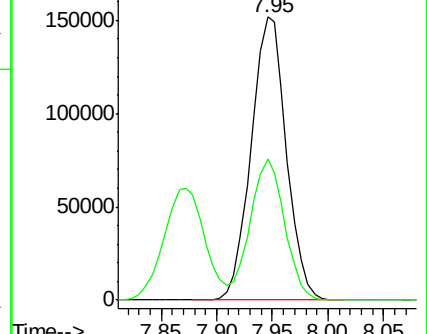
MMDadoda

10/4/2019 12:06:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.262 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013429.D

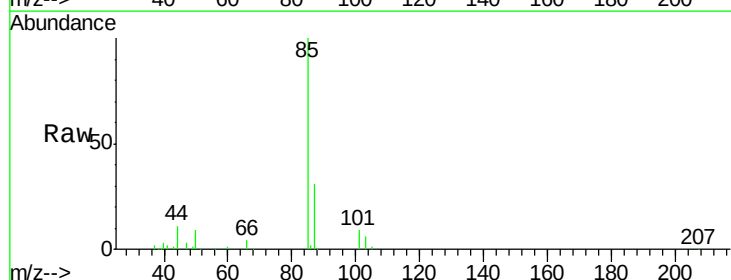
Acq: 03 Oct 2019 19:36

Tgt Ion: 85 Resp: 67443

Ion Ratio Lower Upper

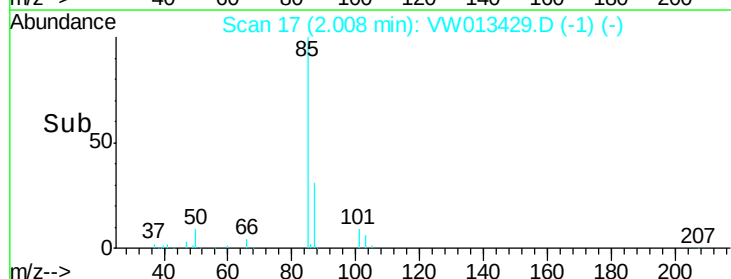
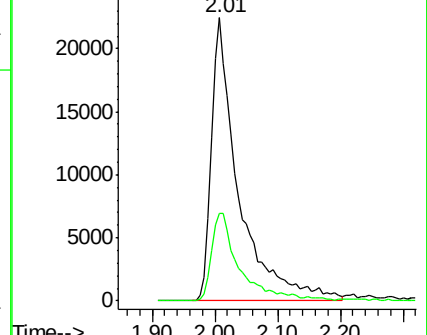
85 100

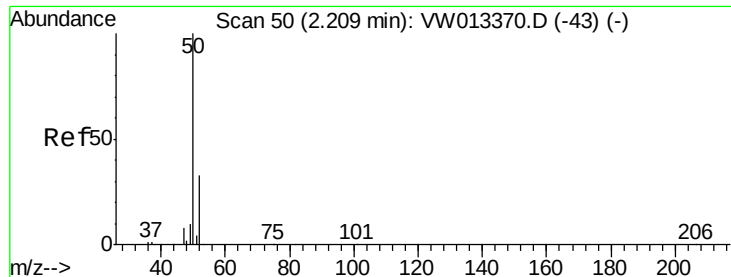
87 31.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 51.964 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110659

Ion Ratio Lower Upper

50 100

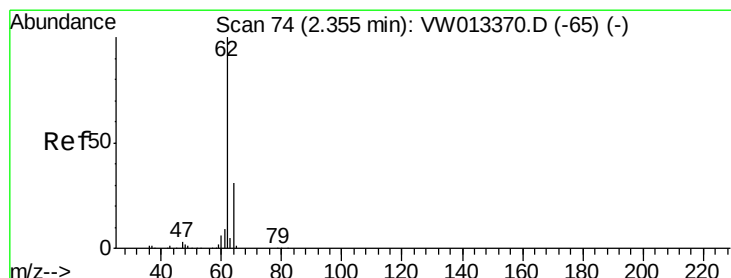
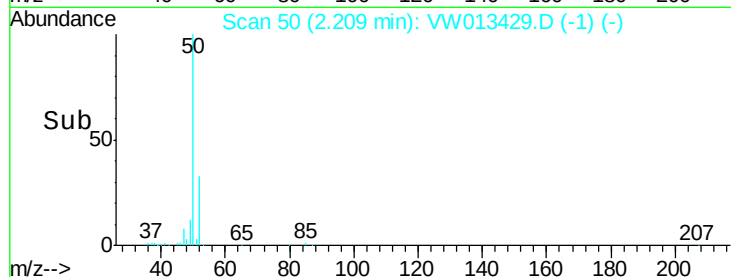
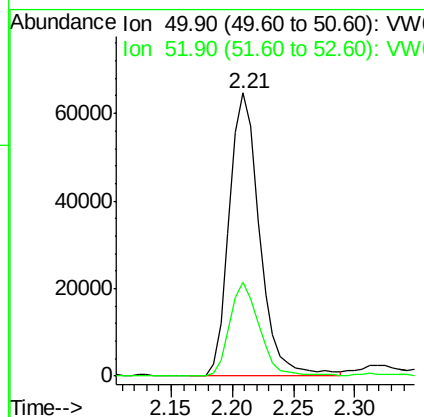
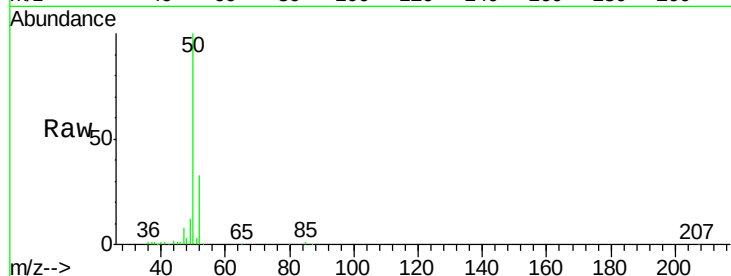
52 33.1 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



#4

Vinyl Chloride

Concen: 55.399 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013429.D

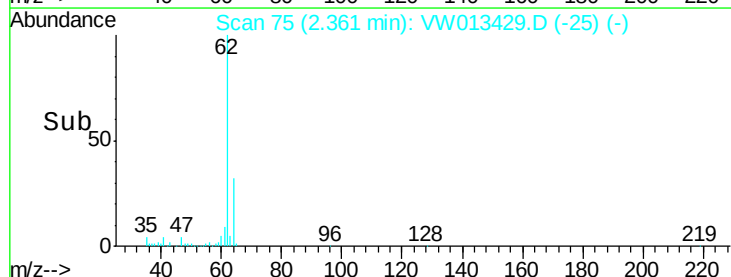
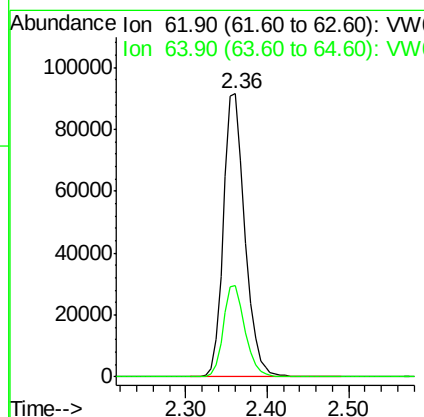
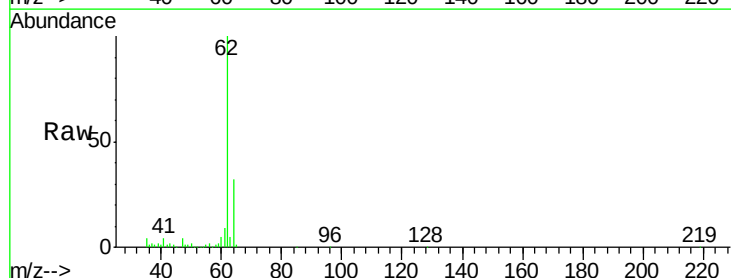
Acq: 03 Oct 2019 19:36

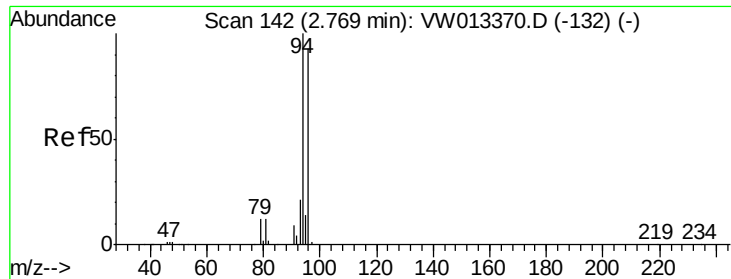
Tgt Ion: 62 Resp: 167430

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 54.144 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 100534

Ion Ratio Lower Upper

94 100

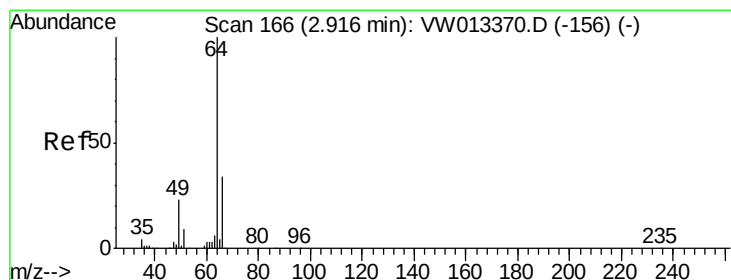
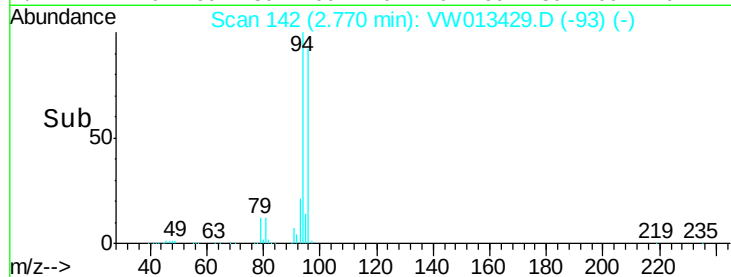
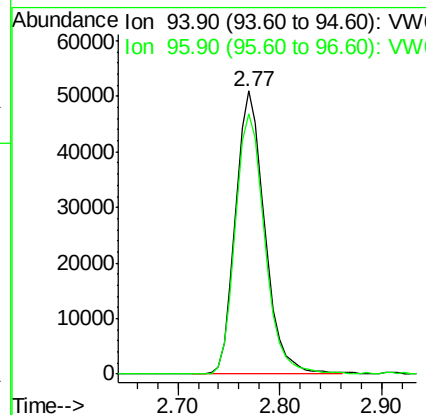
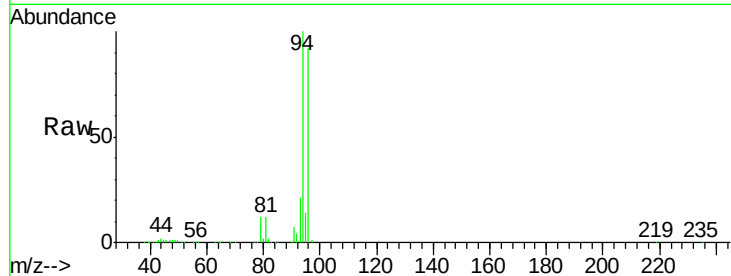
96 92.1 69.7 104.5

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



#6

Chloroethane

Concen: 53.003 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013429.D

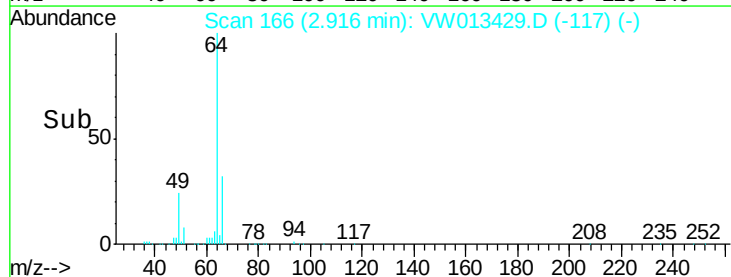
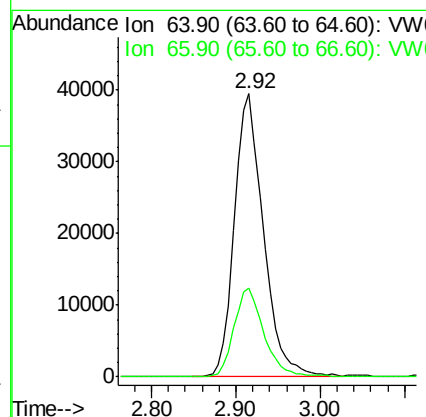
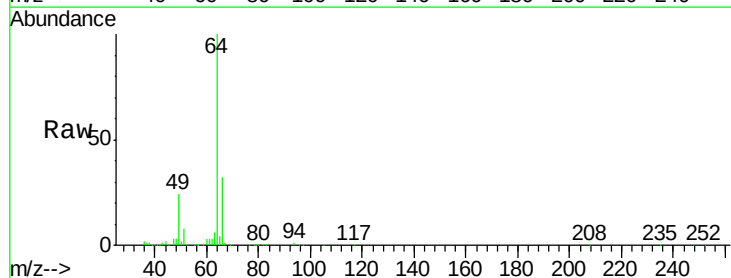
Acq: 03 Oct 2019 19:36

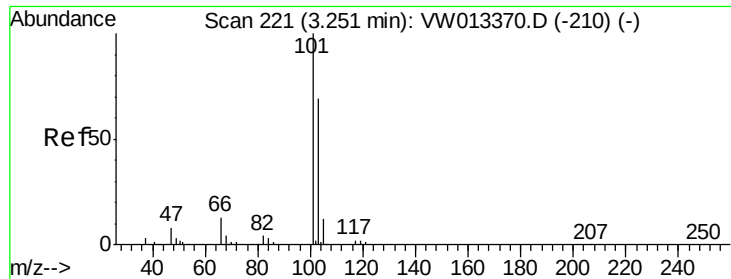
Tgt Ion: 64 Resp: 92498

Ion Ratio Lower Upper

64 100

66 31.5 26.6 39.8





#7

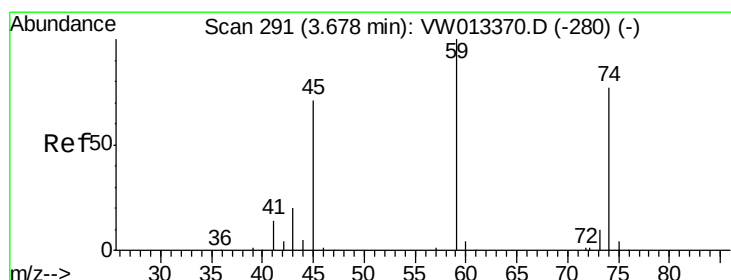
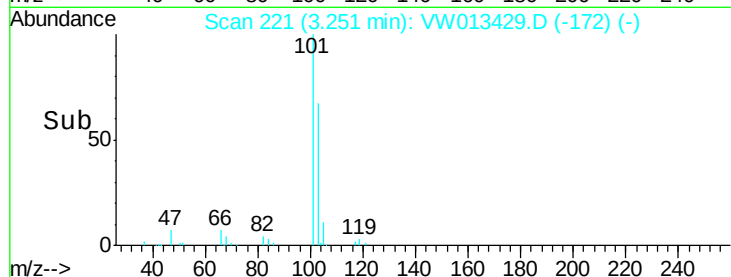
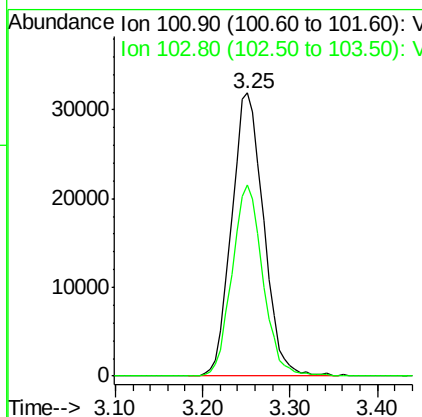
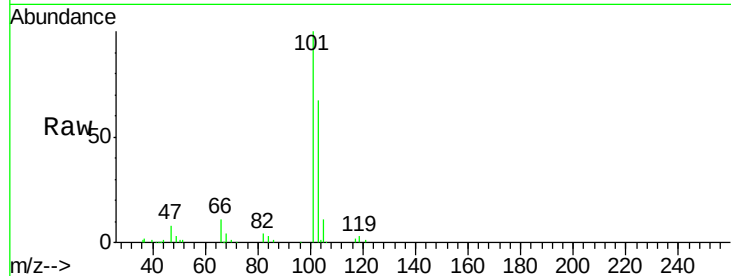
Trichlorofluoromethane
Concen: 61.939 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	49.7	74.5

Manual Integrations
APPROVED

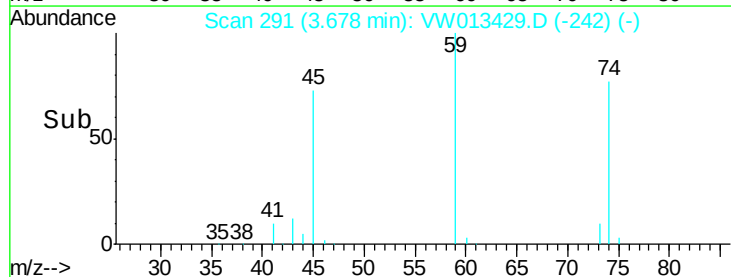
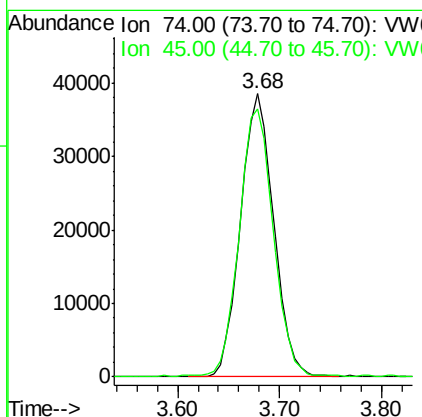
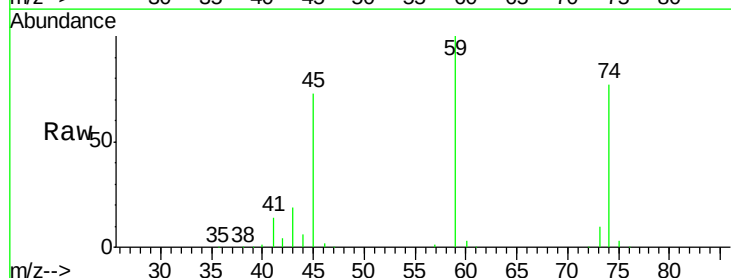
MMDadoda
10/4/2019 12:06:40 PM

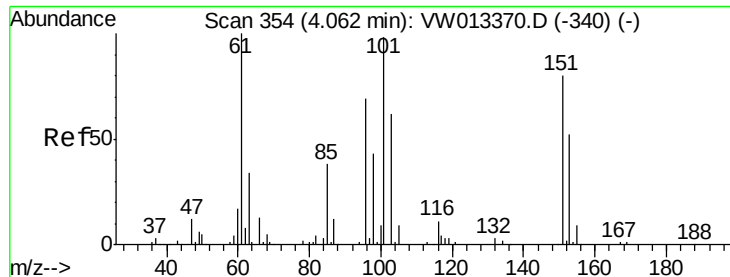


#8

Diethyl Ether
Concen: 57.444 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.349 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

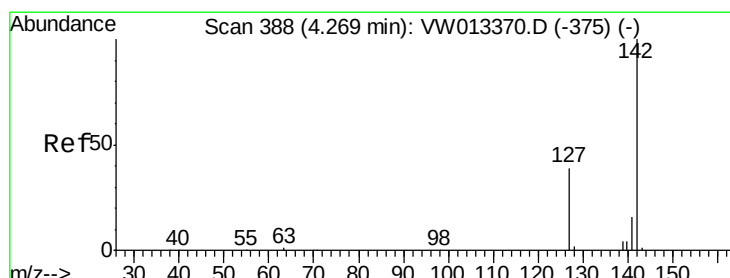
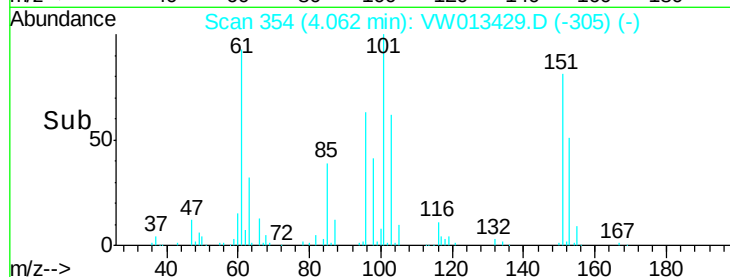
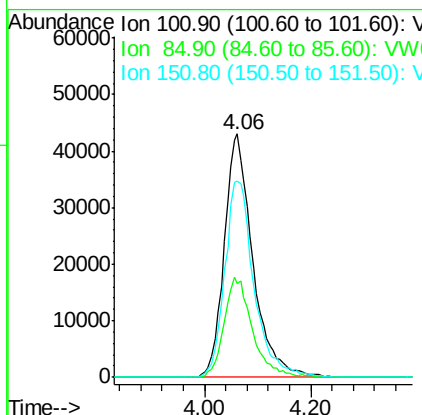
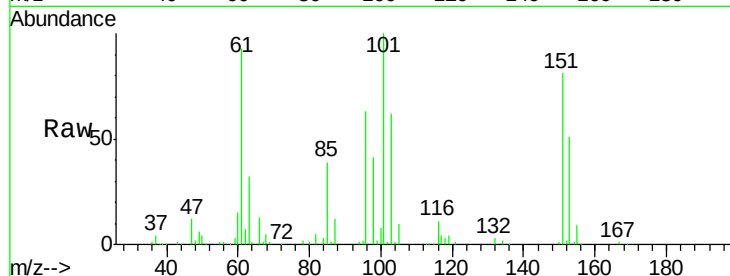
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	160897
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.4	50.0
151	83.3	66.9	100.3

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#10

Methyl Iodide

Concen: 56.917 ug/l

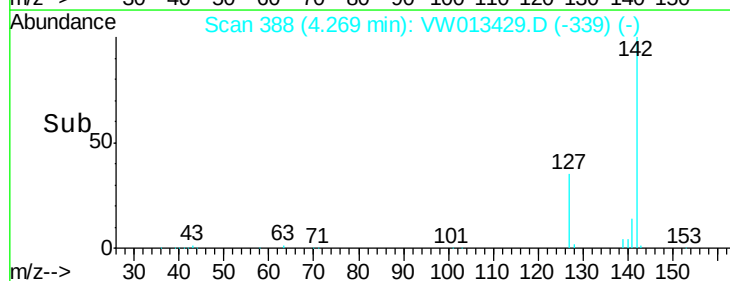
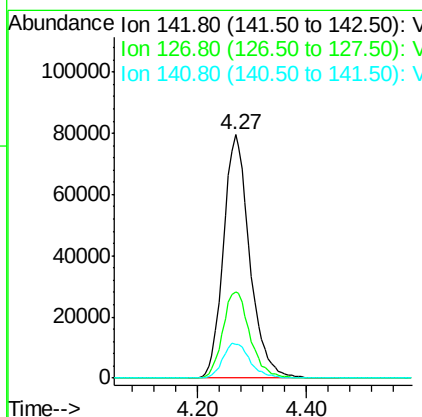
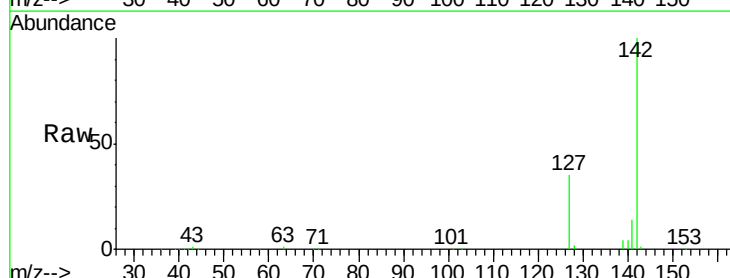
RT: 4.27 min Scan# 388

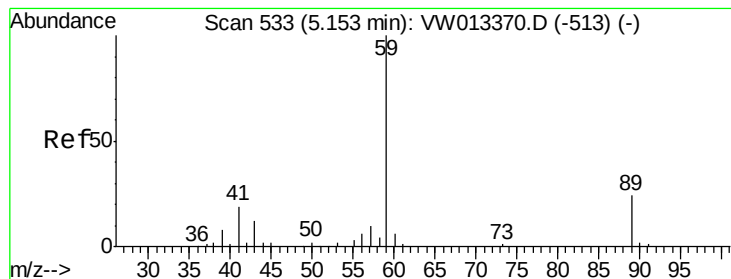
Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	142	Resp:	267202
Ion Ratio	Lower	Upper	
142	100		
127	36.8	30.9	46.3
141	14.6	11.7	17.5





#11

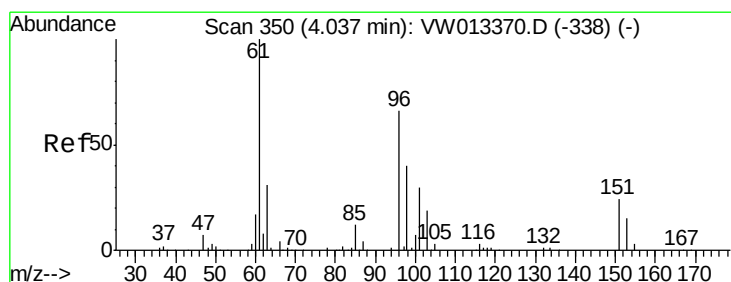
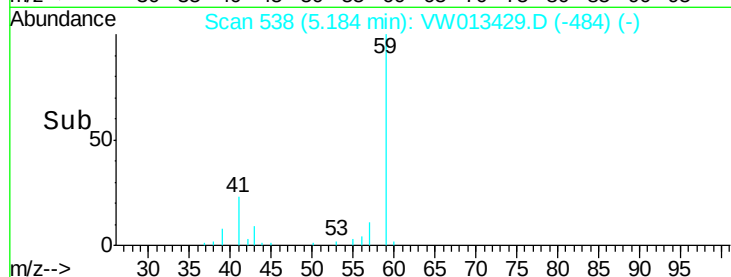
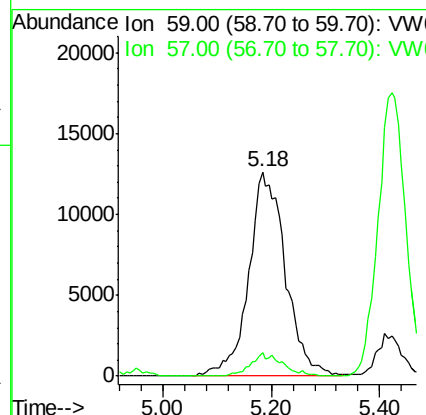
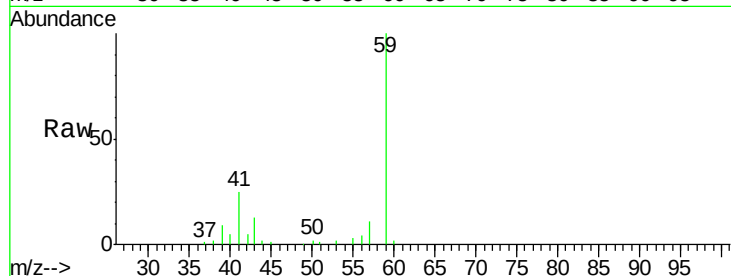
Tert butyl alcohol
 Concen: 288.238 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.03 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	58903		
57	9.3		8.2	12.2

Manual Integrations
 APPROVED

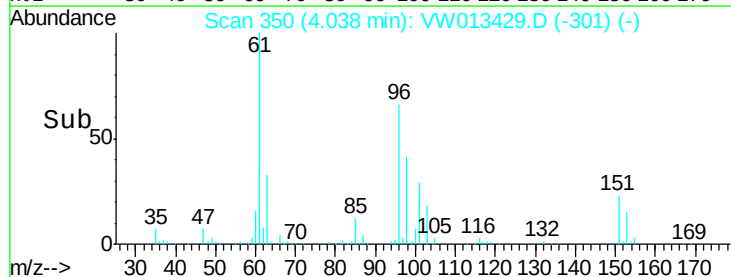
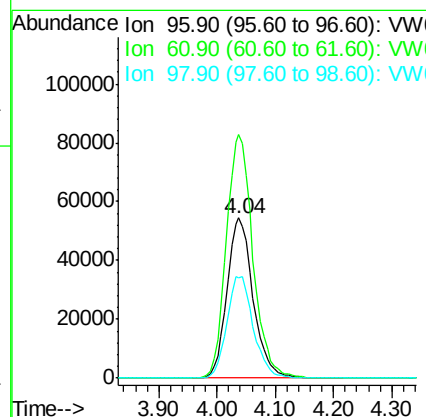
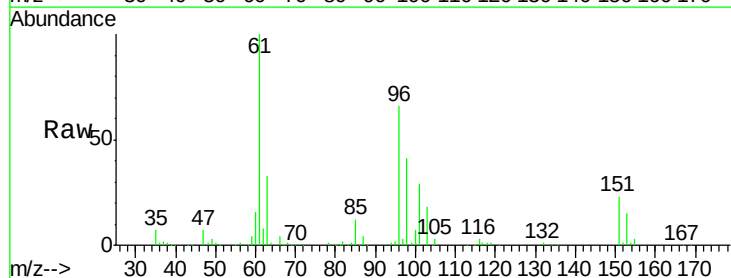
MMDadoda
 10/4/2019 12:06:40 PM

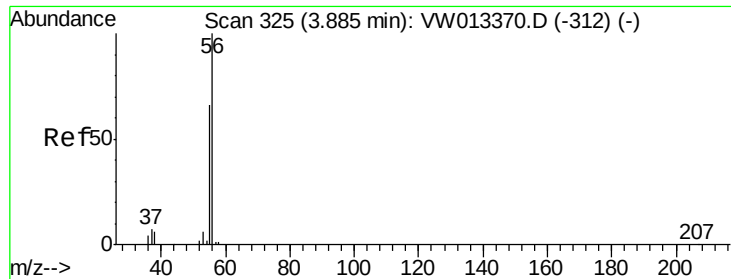


#12

1,1-Dichloroethene
 Concen: 55.309 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	169872		
61	152.3		125.1	187.7
98	63.1		50.8	76.2





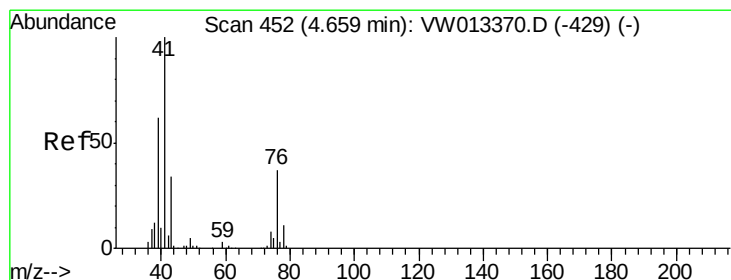
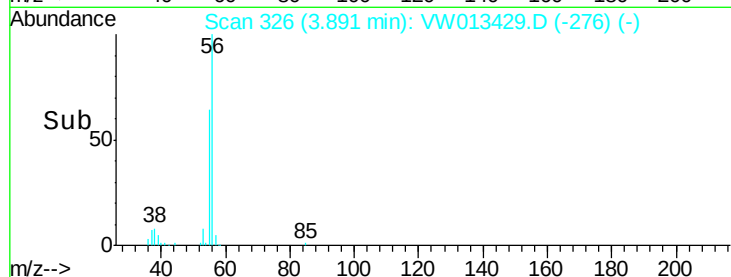
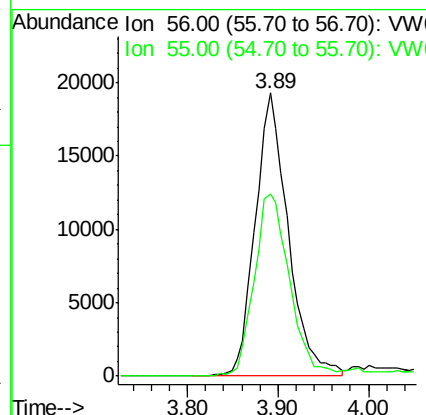
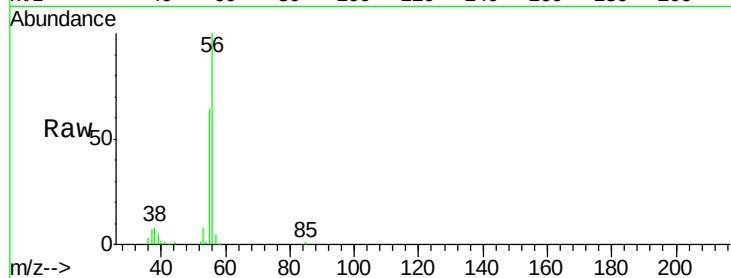
#13
Acrolein
Concen: 195.584 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	48658
Ion Ratio	100	Lower	Upper
55	68.6	55.4	83.0

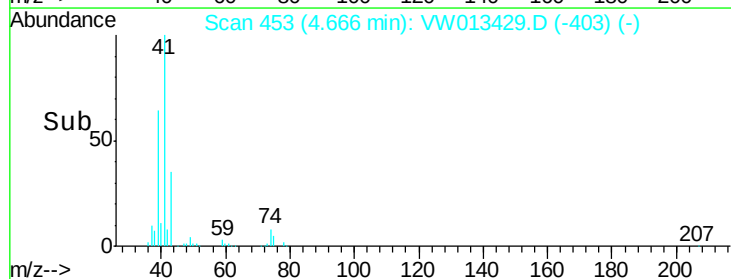
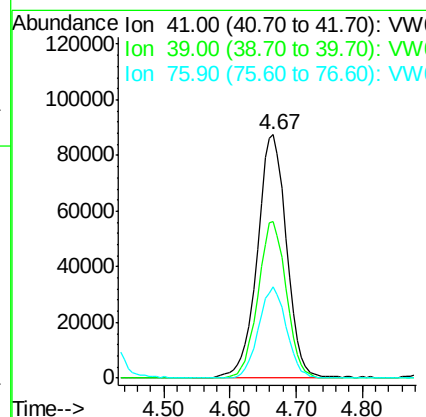
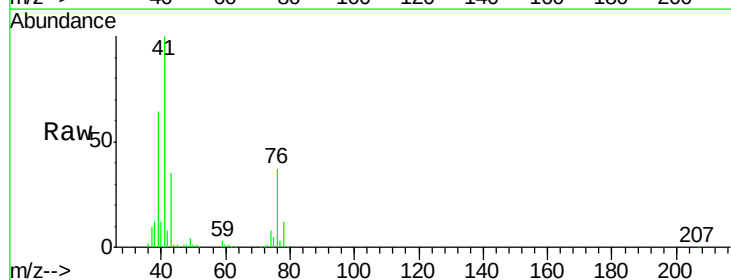
Manual Integrations
APPROVED

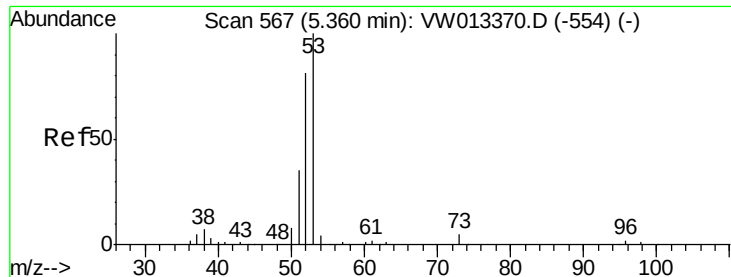
MMDadoda
10/4/2019 12:06:40 PM



#14
Allyl chloride
Concen: 59.243 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	41	Resp	269169
Ion Ratio	100	Lower	Upper
39	62.6	51.0	76.4
76	35.9	28.4	42.6





#15

Acrylonitrile

Concen: 286.341 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

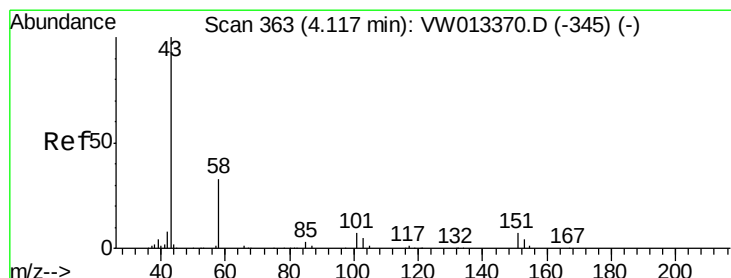
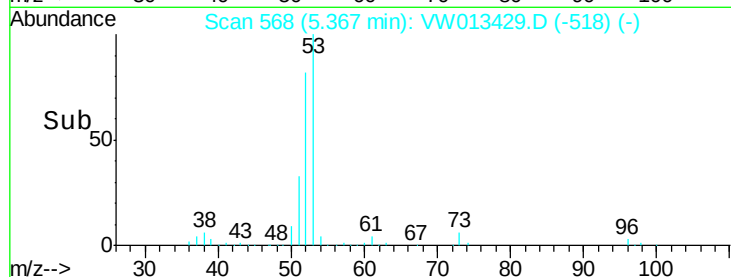
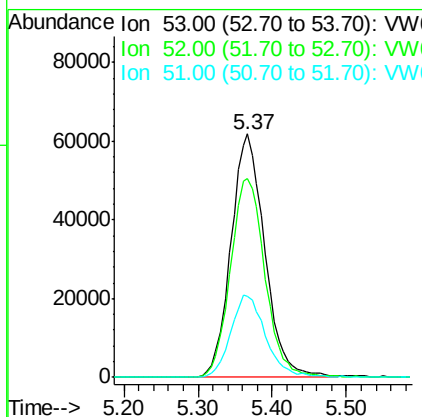
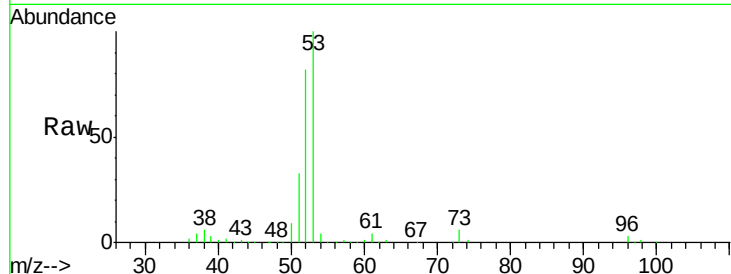
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	196443
Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.3	97.9
51	34.9	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#16

Acetone

Concen: 214.302 ug/l

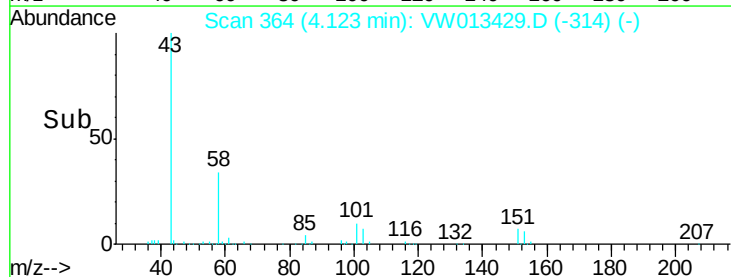
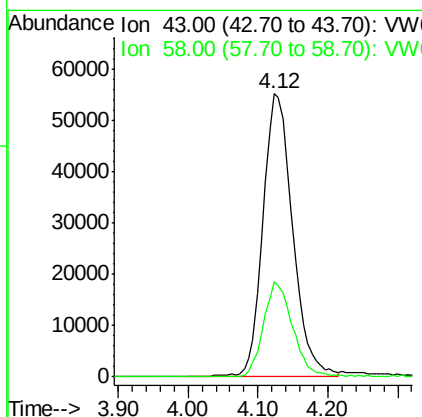
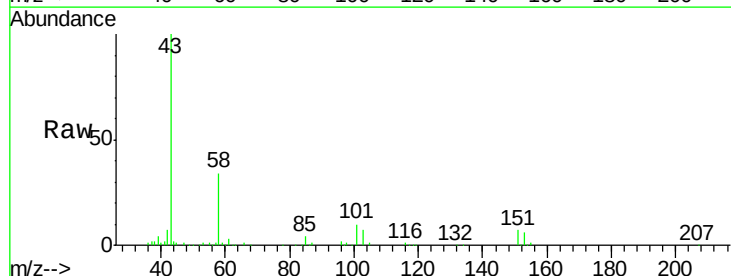
RT: 4.12 min Scan# 364

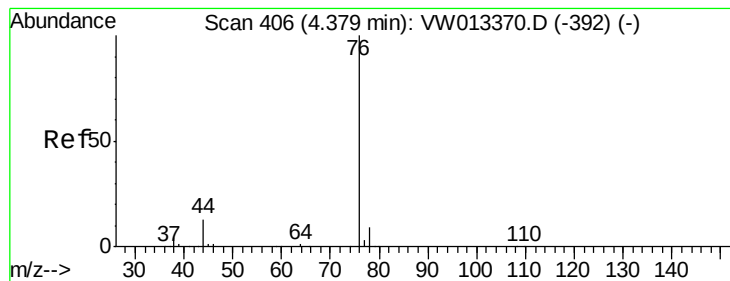
Delta R.T. 0.01 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	43	Resp:	163642
Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.1	36.1





#17

Carbon Disulfide

Concen: 57.214 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 490223

Ion Ratio Lower Upper

76 100

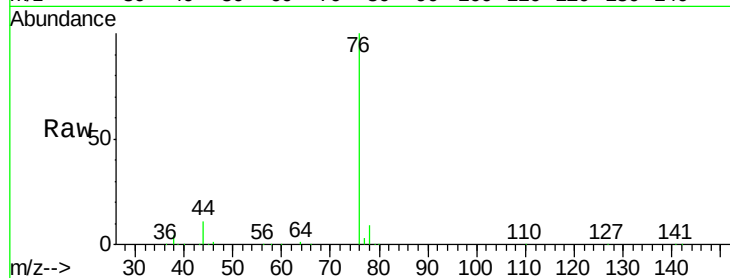
78 9.5 7.0 10.4

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

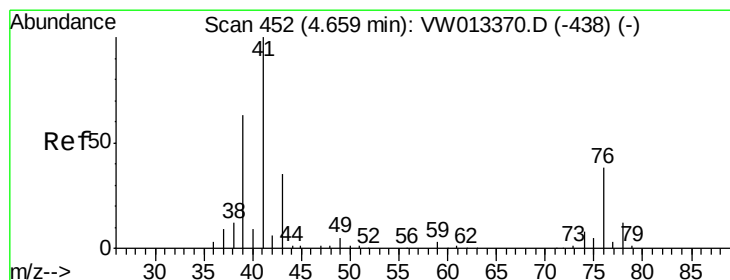
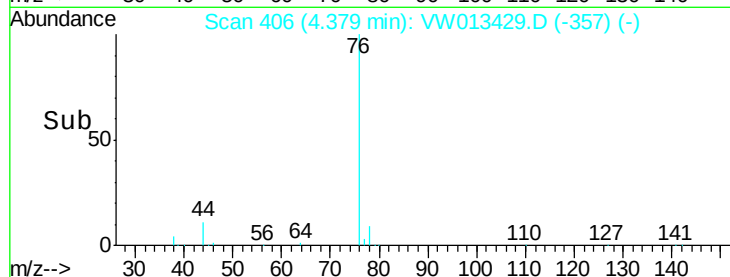
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.904 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013429.D

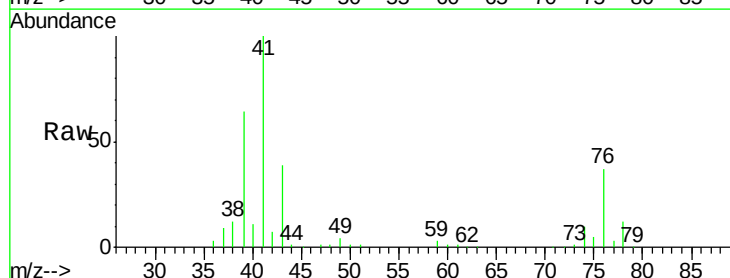
Acq: 03 Oct 2019 19:36

Tgt Ion: 43 Resp: 96341

Ion Ratio Lower Upper

43 100

74 24.5 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

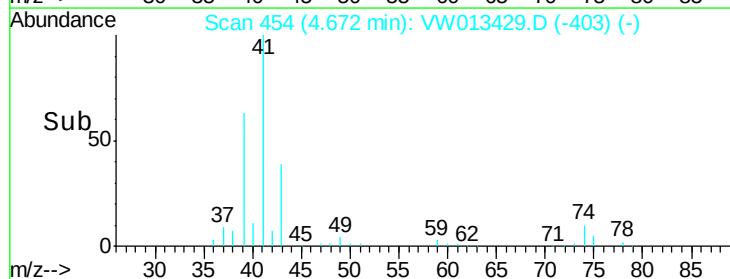
30000

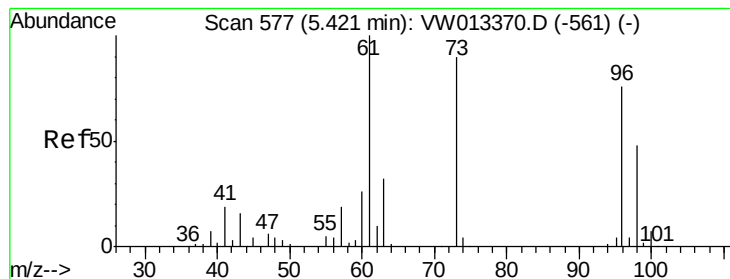
20000

10000

0

Time-->





#19

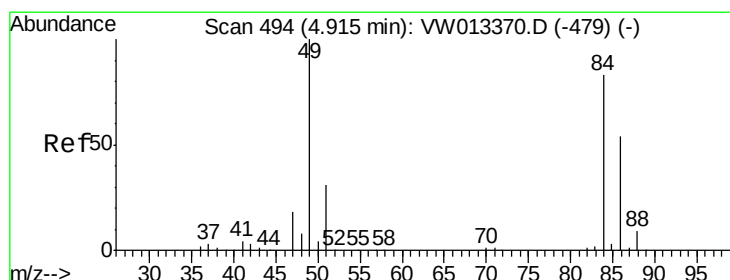
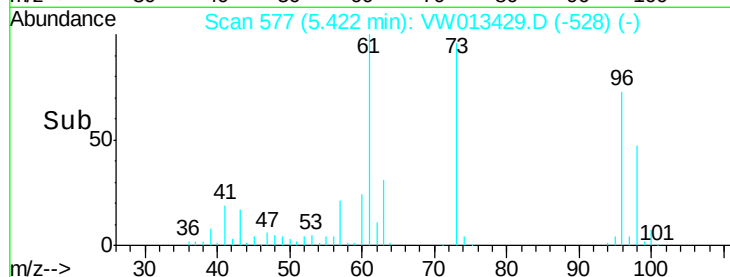
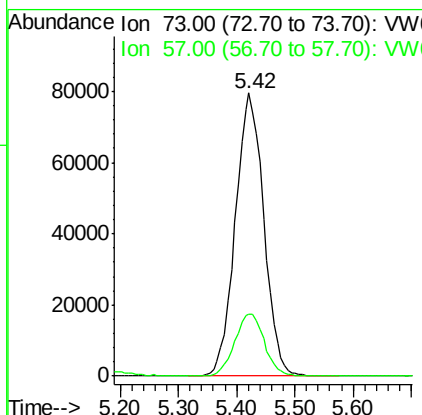
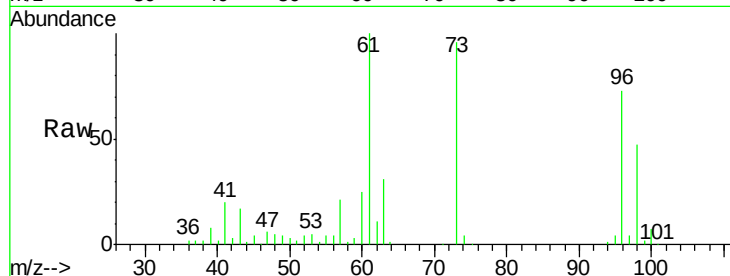
Methyl tert-butyl Ether
 Concen: 59.599 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.6	26.4

Manual Integrations
 APPROVED

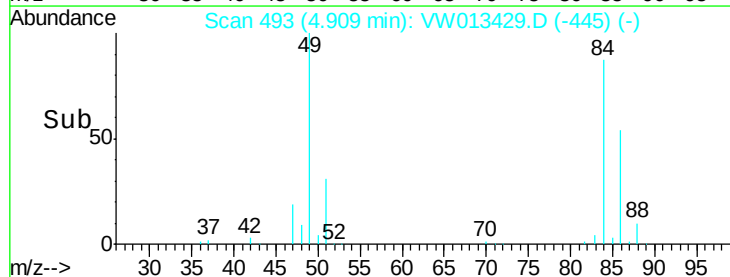
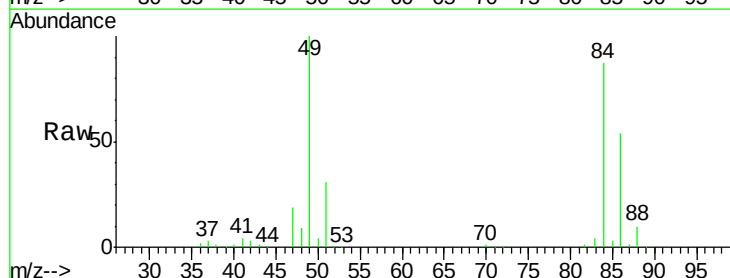
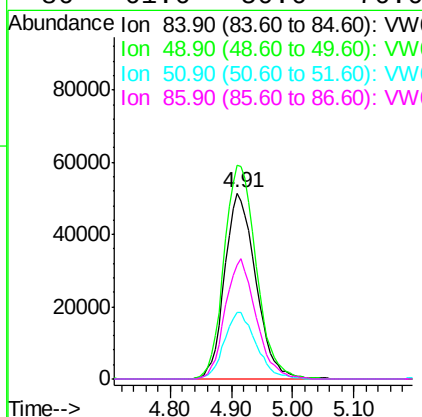
MMDadoda
 10/4/2019 12:06:40 PM

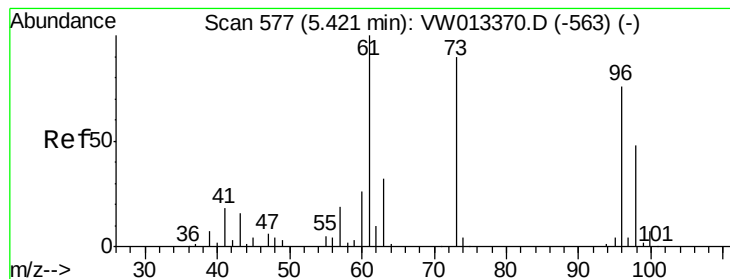


#20

Methylene Chloride
 Concen: 57.120 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.8	97.6	146.4
51	35.6	30.2	45.2
86	61.6	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 55.622 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

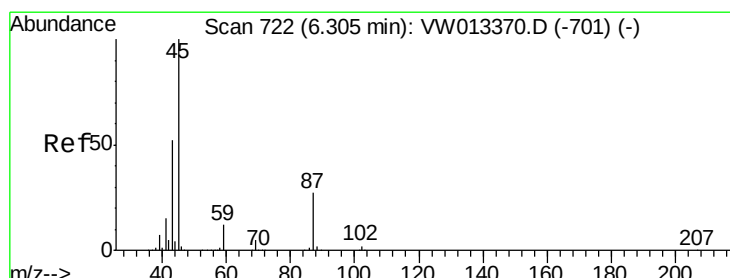
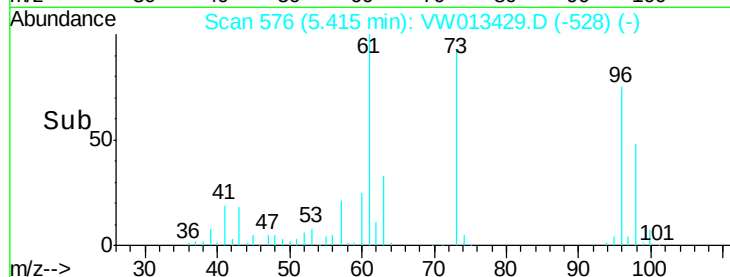
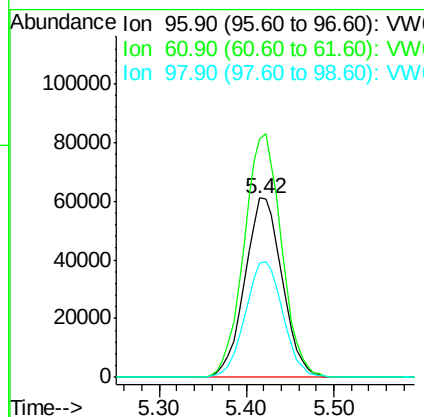
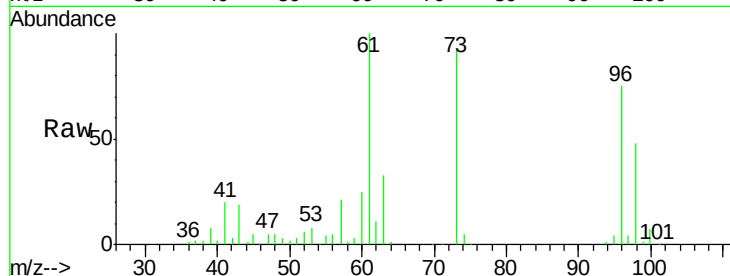
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	181927
Ion Ratio	Lower	Upper	
96	100		
61	132.7	106.6	159.8
98	63.9	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#22

Diisopropyl ether

Concen: 58.952 ug/l

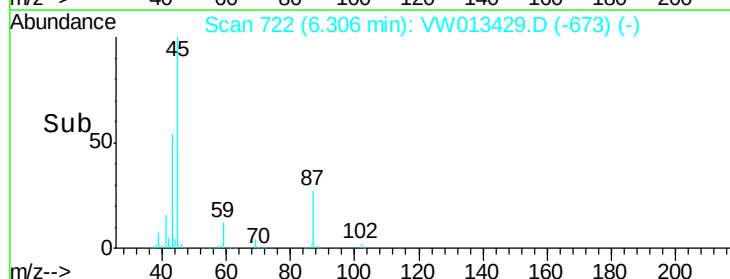
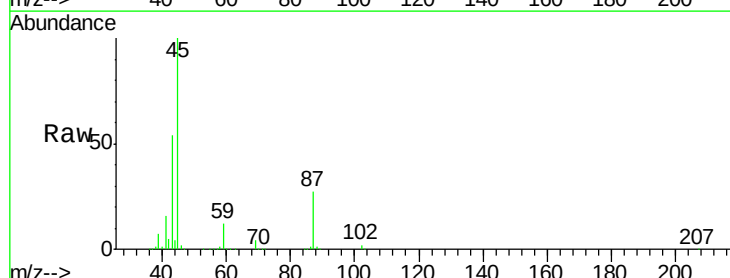
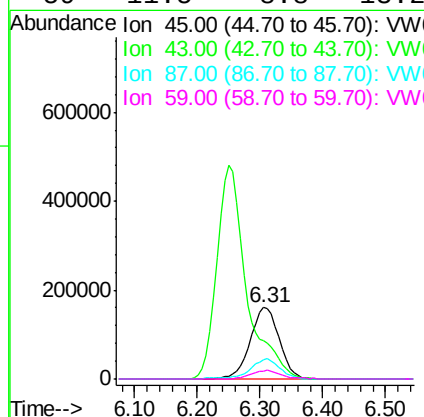
RT: 6.31 min Scan# 722

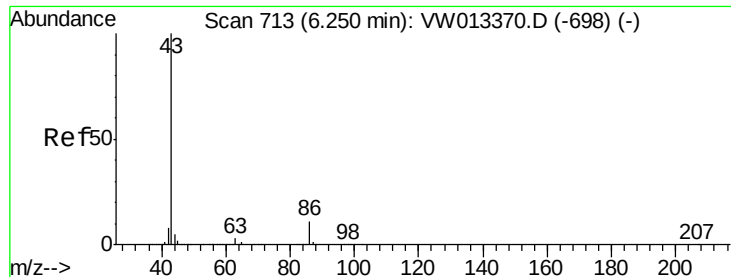
Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	45	Resp:	517260
Ion Ratio	Lower	Upper	
45	100		
43	53.6	42.4	63.6
87	26.6	20.4	30.6
59	11.5	8.8	13.2





#23

Vinyl Acetate

Concen: 298.038 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1569169

Ion Ratio Lower Upper

43 100

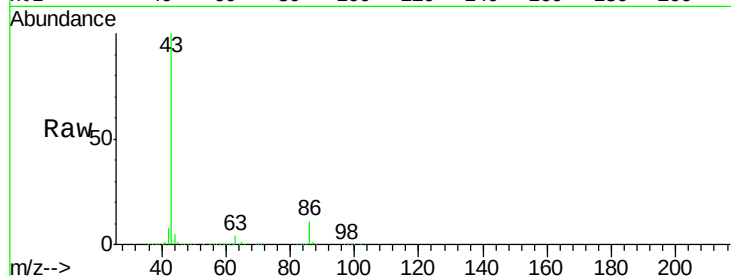
86 10.6 8.3 12.5

Manual Integrations

APPROVED

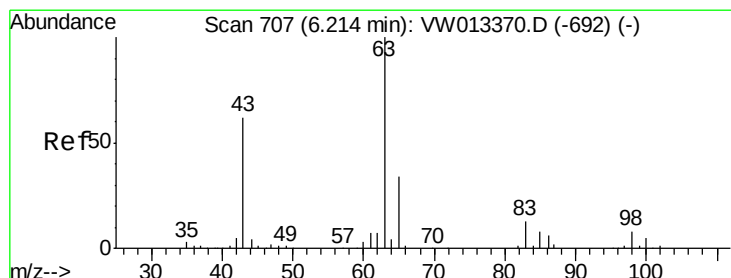
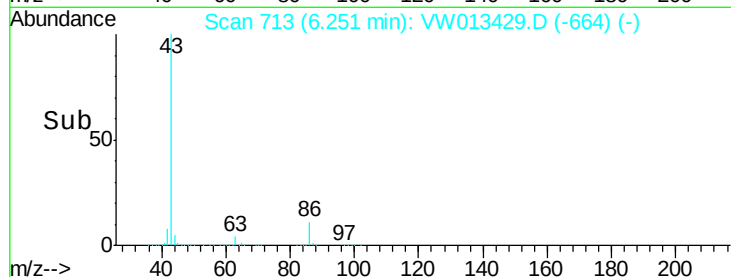
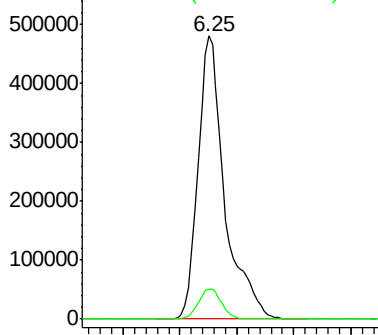
MMDadoda

10/4/2019 12:06:40 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: 57.657 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

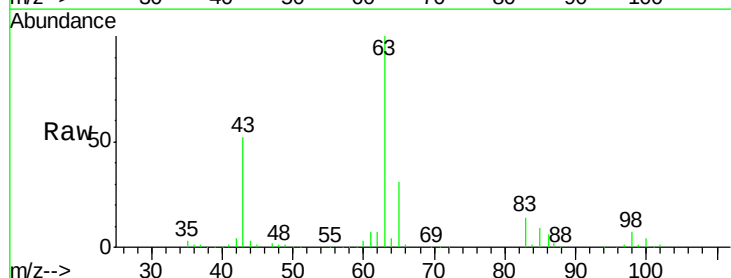
Tgt Ion: 63 Resp: 308138

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

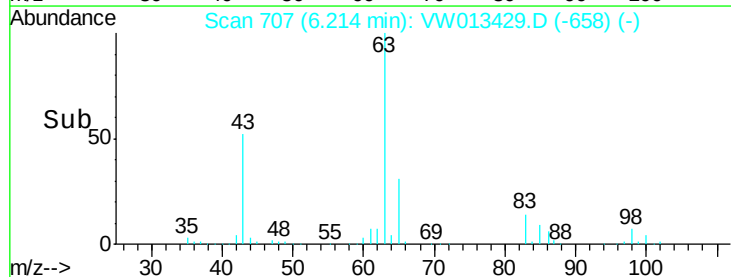
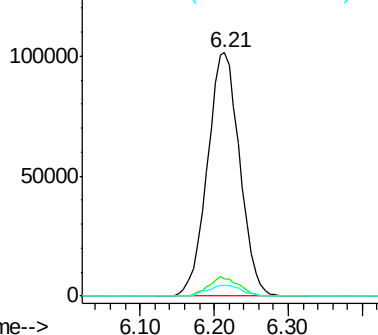
100 4.4 2.4 7.1

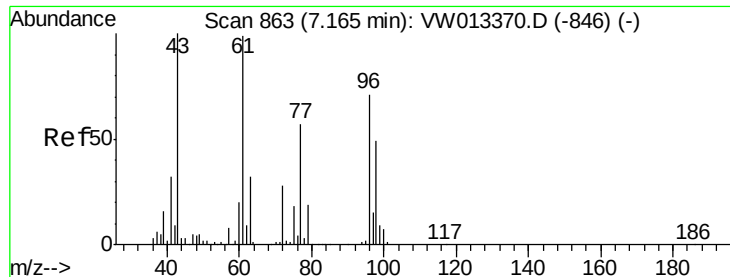


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 255.170 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 249325

Ion Ratio Lower Upper

43 100

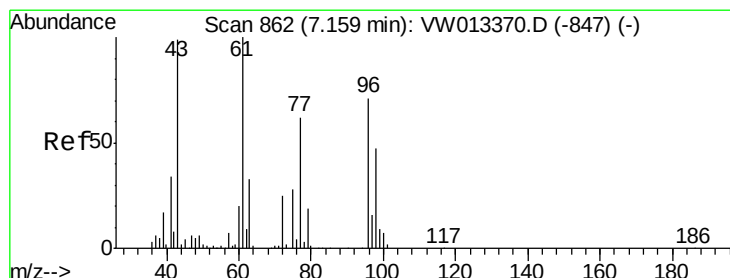
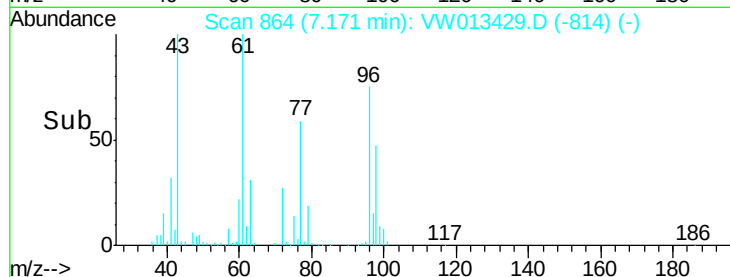
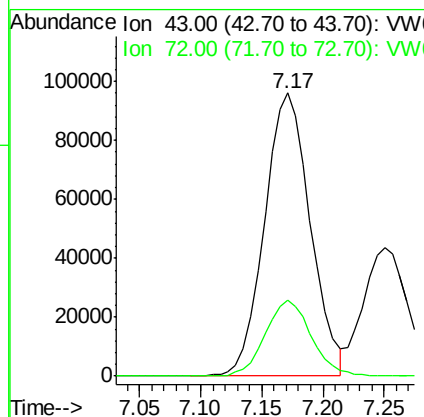
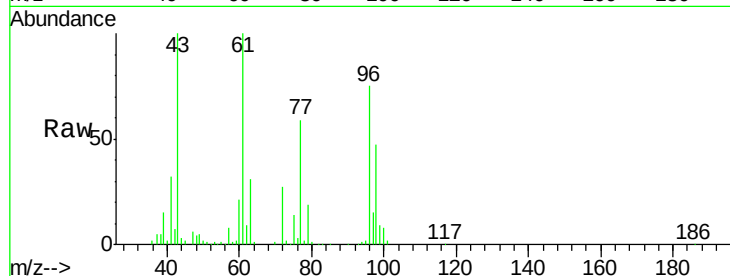
72 26.8 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



#26

2,2-Dichloropropane

Concen: 57.596 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013429.D

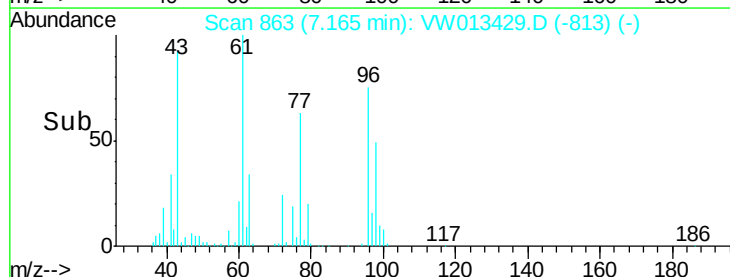
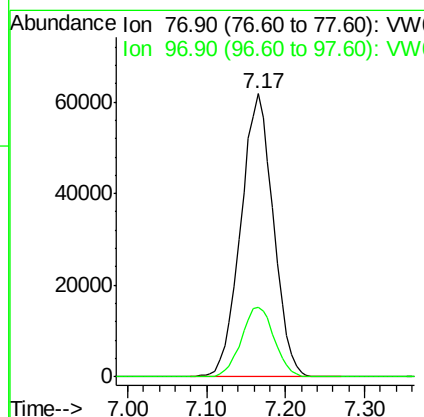
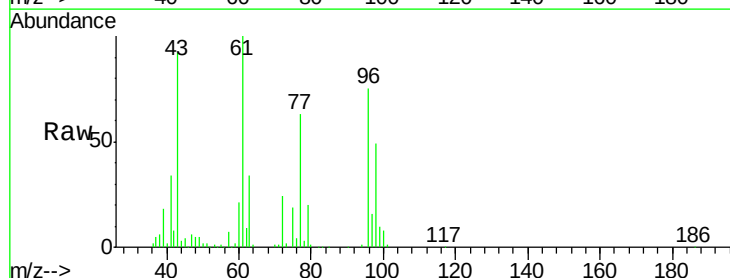
Acq: 03 Oct 2019 19:36

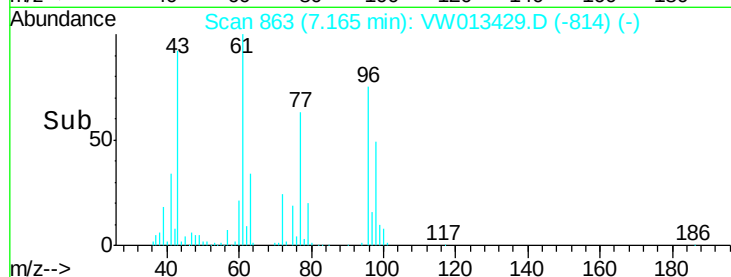
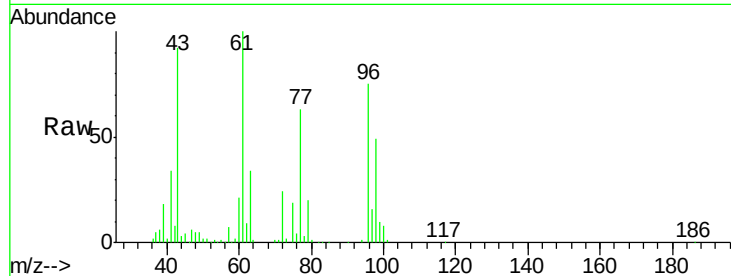
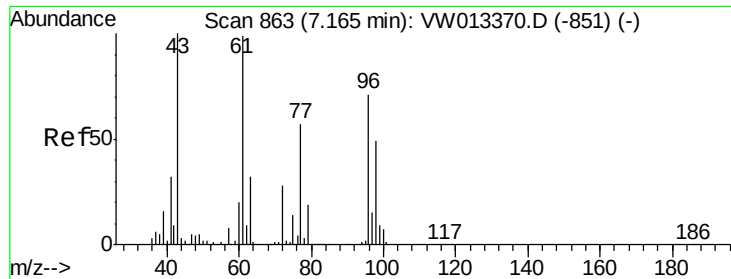
Tgt Ion: 77 Resp: 177315

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.4





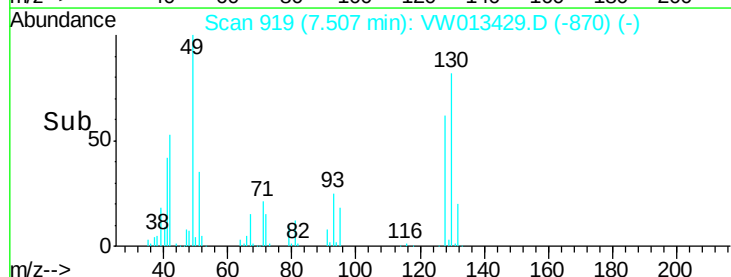
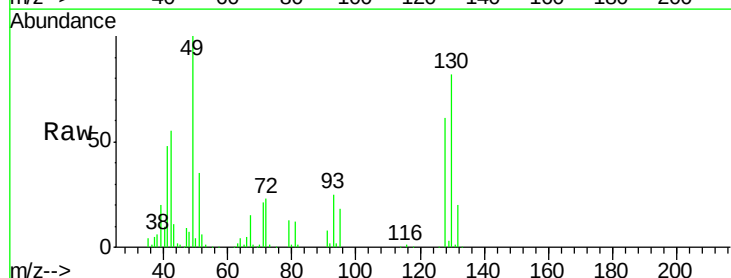
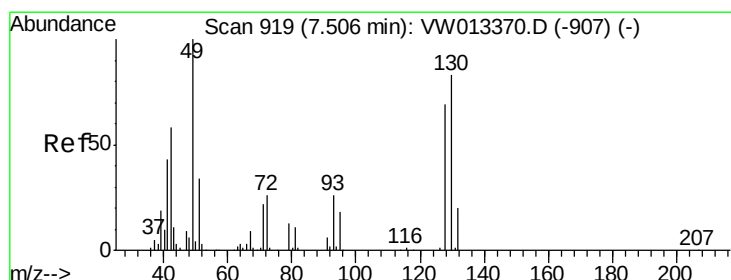
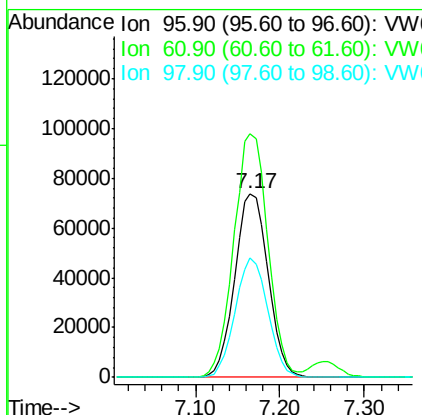
#27
 cis-1,2-Dichloroethene
 Concen: 57.553 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tot Ion	Ratio	Resp	Lower	Upper
96	100	197041		
61	136.3	0.0	282.4	
98	63.8	0.0	128.2	

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

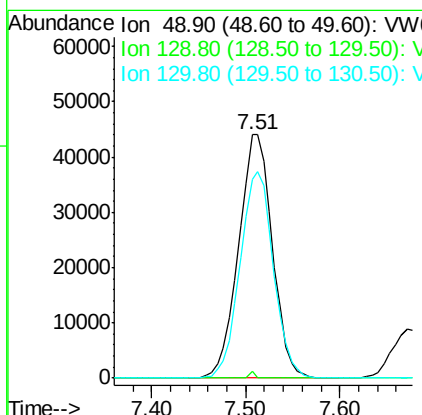
Manual Integrations
 APPROVED

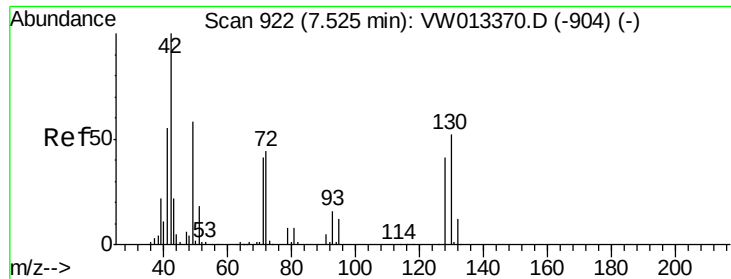
MMDadoda
 10/4/2019 12:06:40 PM



#28
 Bromochloromethane
 Concen: 57.155 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	110441		
129	0.4	0.0	1.0	
130	83.9	63.4	95.2	





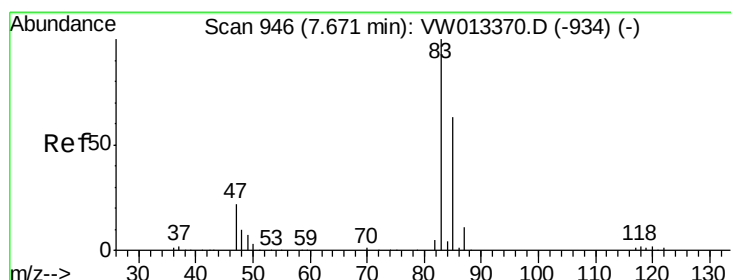
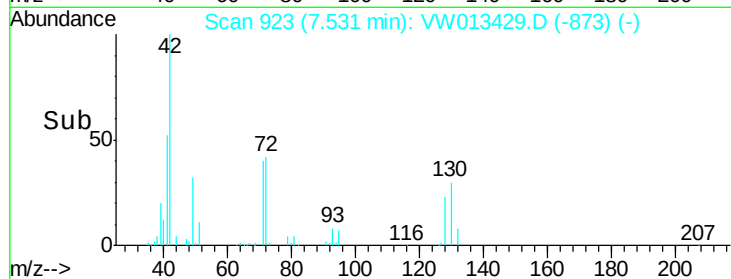
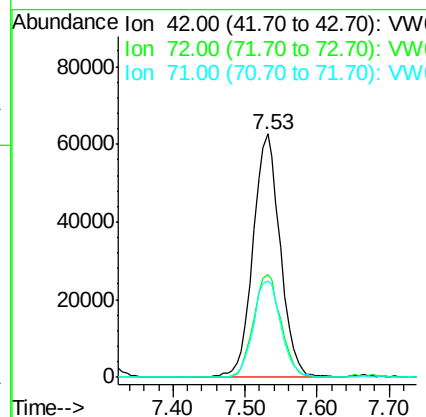
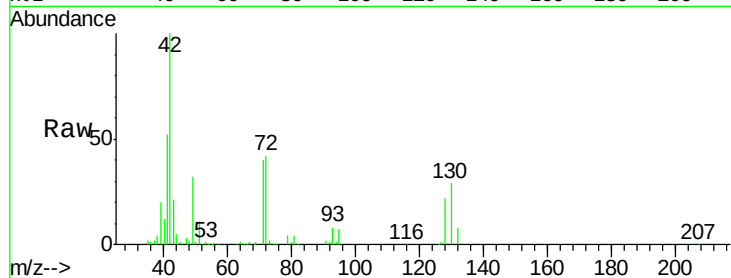
#29
Tetrahydrofuran
Concen: 287.626 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	164325
Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.9	50.9
71	40.1	31.9	47.9

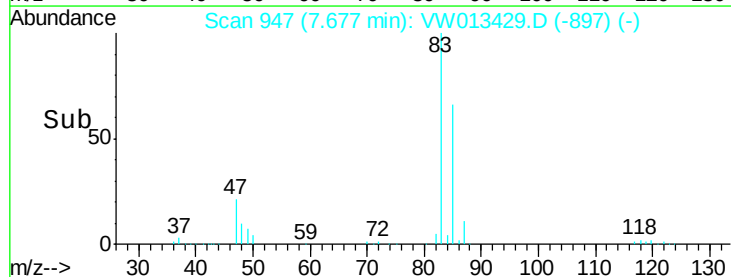
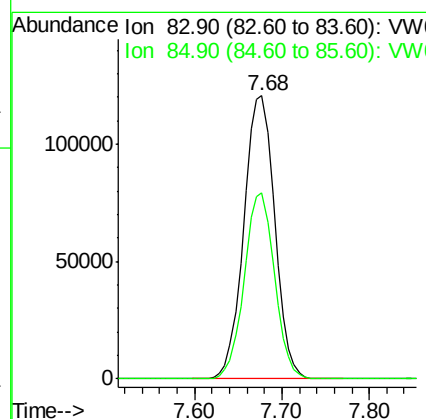
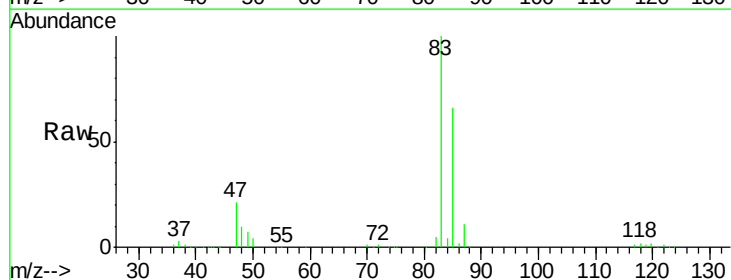
Manual Integrations
APPROVED

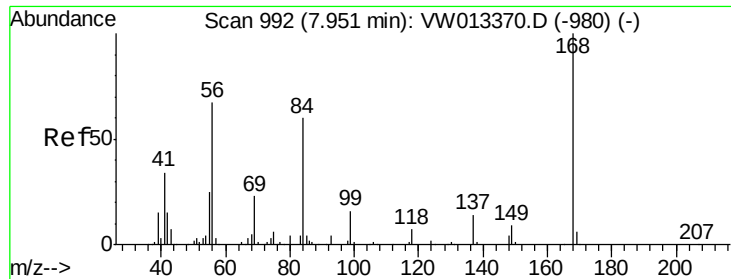
MMDadoda
10/4/2019 12:06:40 PM



#30
Chloroform
Concen: 56.541 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion:	83	Resp:	296301
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.3	78.5





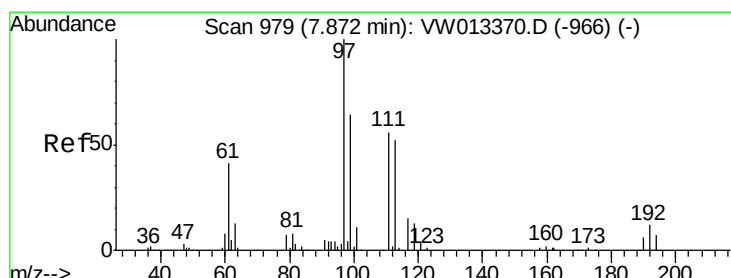
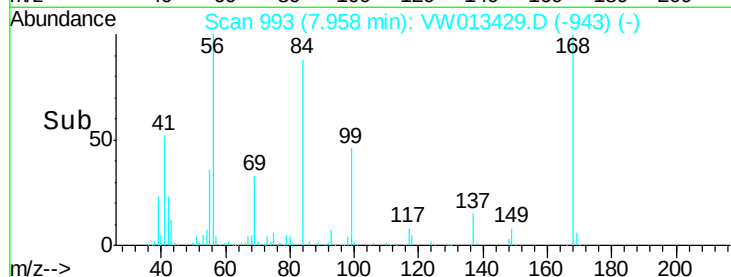
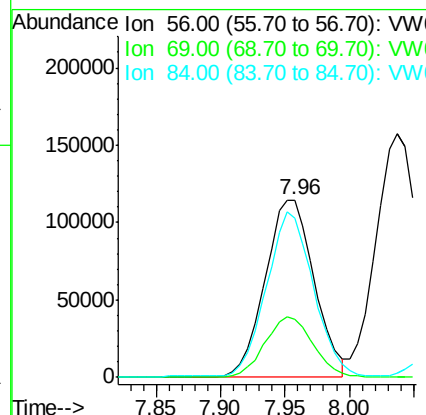
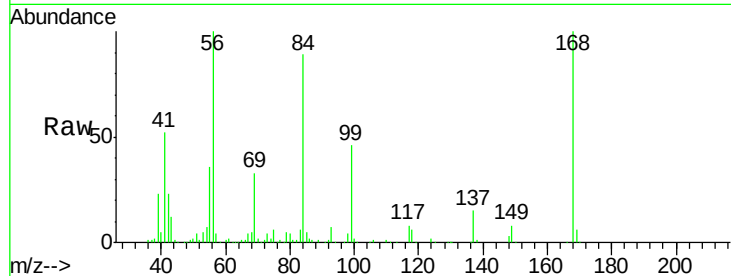
#31
Cyclohexane
Concen: 53.158 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	27.2	40.8
84	88.4	70.8	106.2

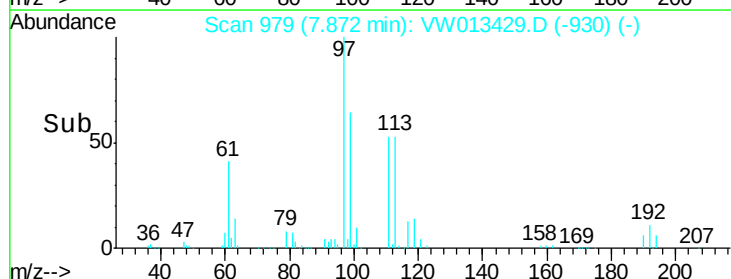
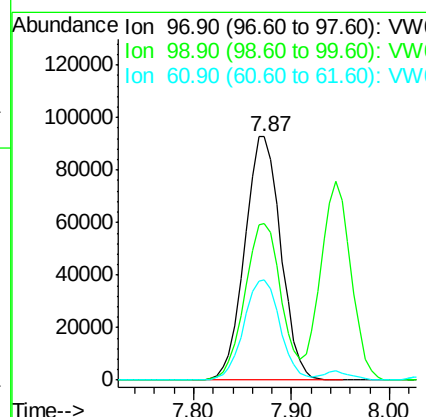
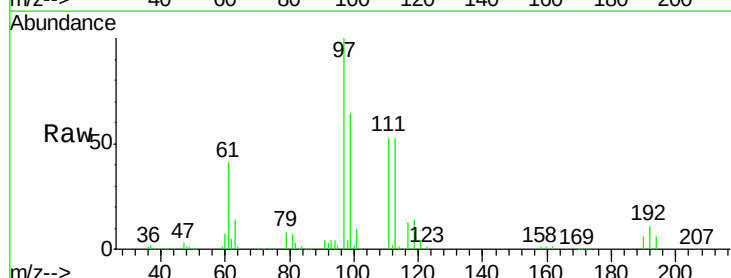
Manual Integrations
APPROVED

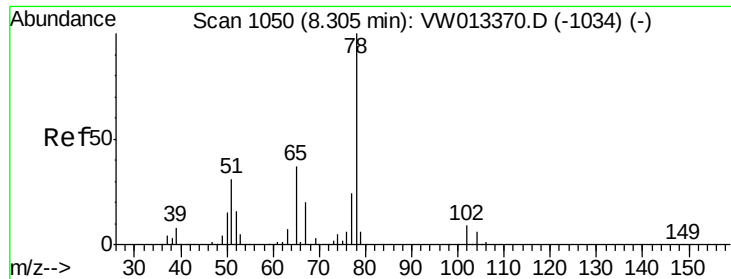
MMDadoda
10/4/2019 12:06:40 PM



#32
1,1,1-Trichloroethane
Concen: 57.953 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	41.3	34.6	51.8





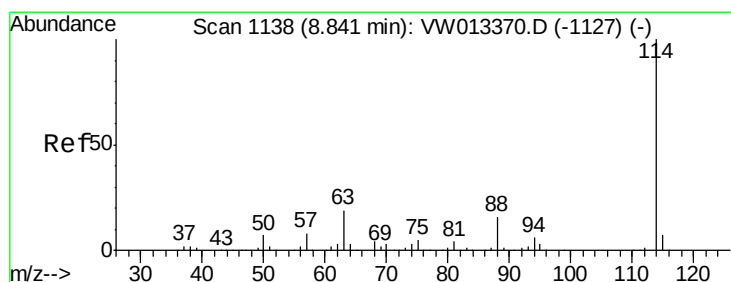
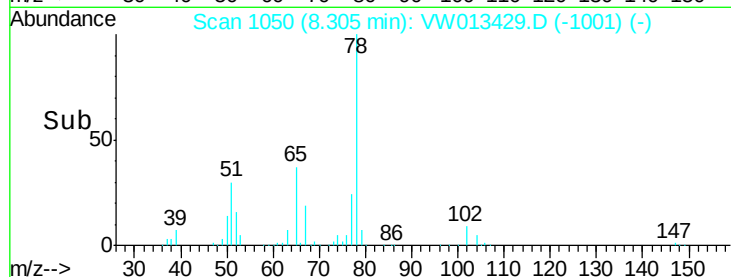
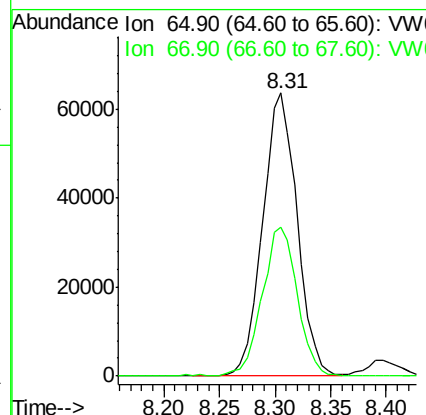
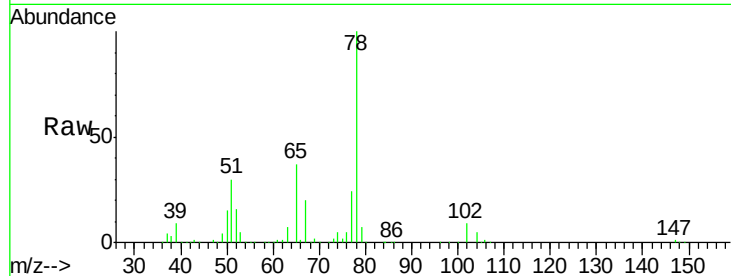
#33
 1,2-Dichloroethane-d4
 Concen: 55.055 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137154		
67	53.6	0.0	106.2	

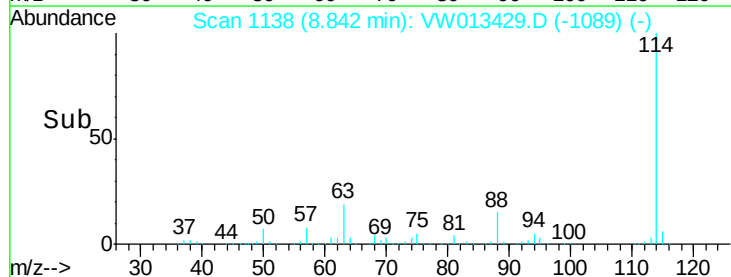
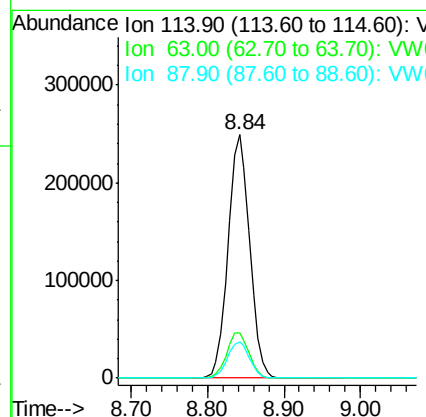
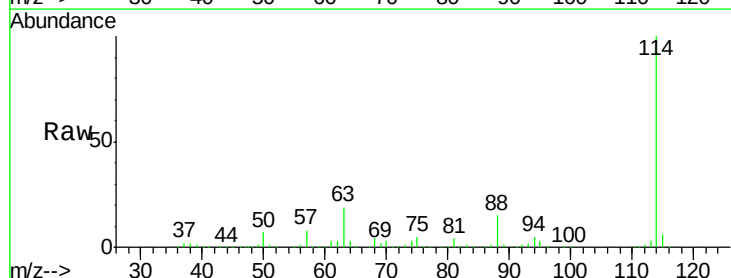
Manual Integrations
 APPROVED

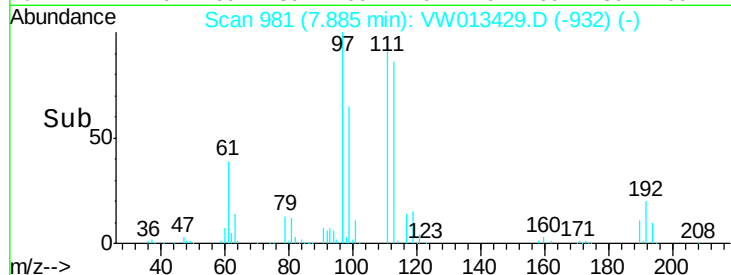
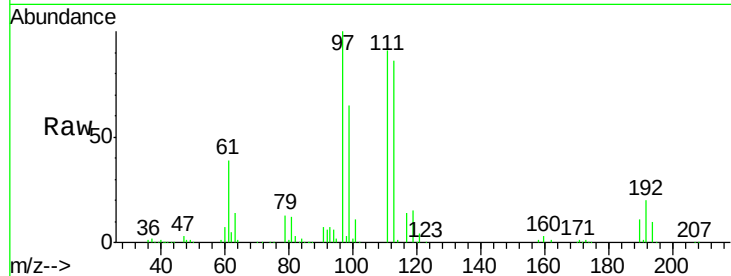
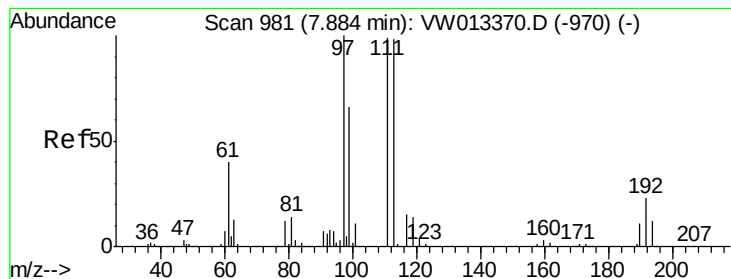
MMDadoda
 10/4/2019 12:06:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	483532		
63	18.6	0.0	41.4	
88	15.0	0.0	32.0	





#35

Dibromofluoromethane

Concen: 55.184 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013429.D

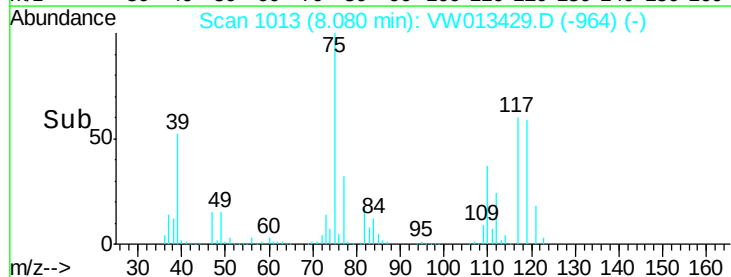
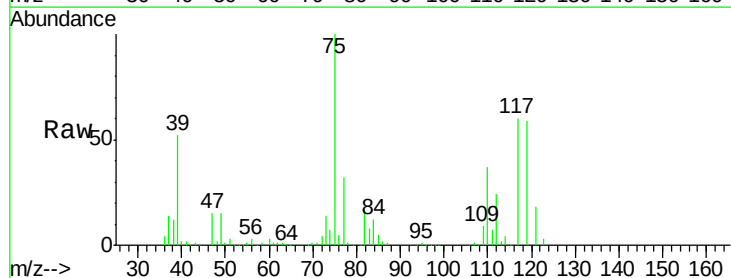
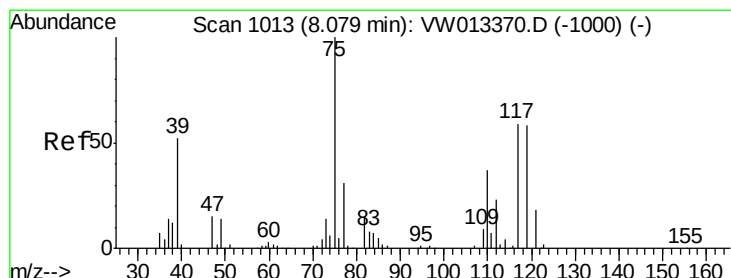
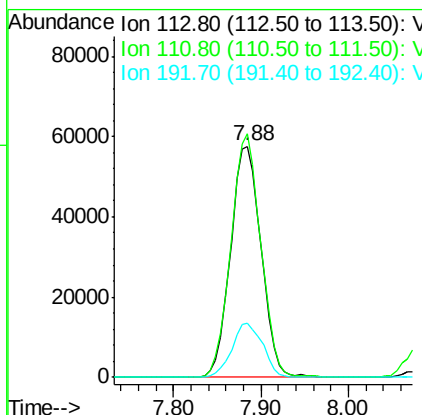
Acq: 03 Oct 2019 19:36

Tot Ion:	113	Resp:	140012
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.9	122.9
192	23.5	19.1	28.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#36

1,1-Dichloropropene

Concen: 55.617 ug/l

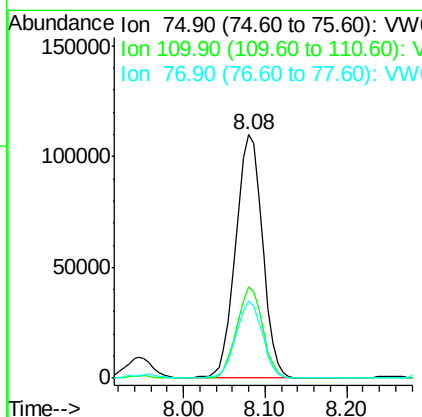
RT: 8.08 min Scan# 1013

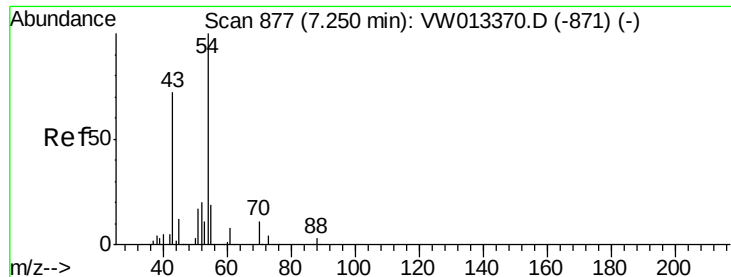
Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	75	Resp:	249780
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.1	54.3
77	31.3	25.8	38.6





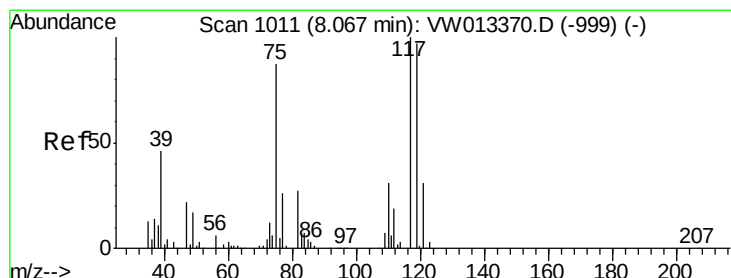
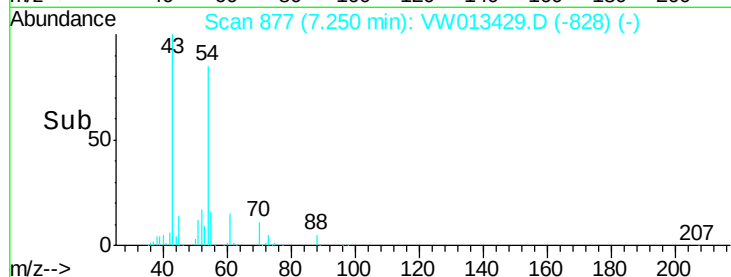
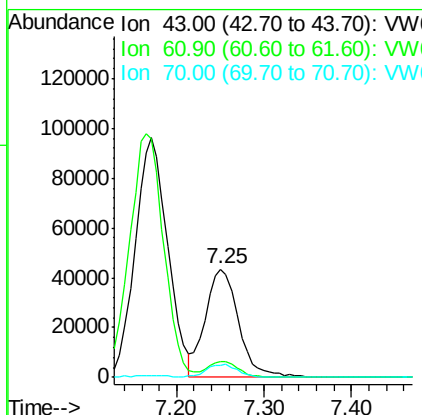
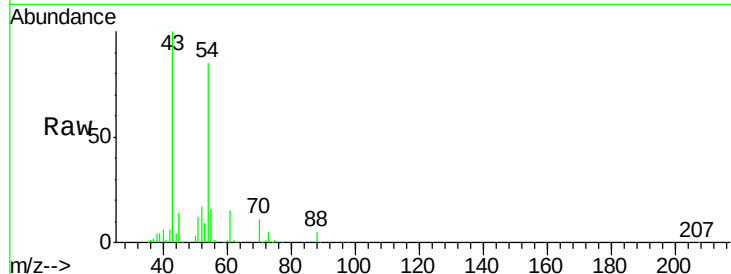
#37
Ethyl Acetate
Concen: 57.496 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	114009
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.9	16.3
70	11.6	8.2	12.2

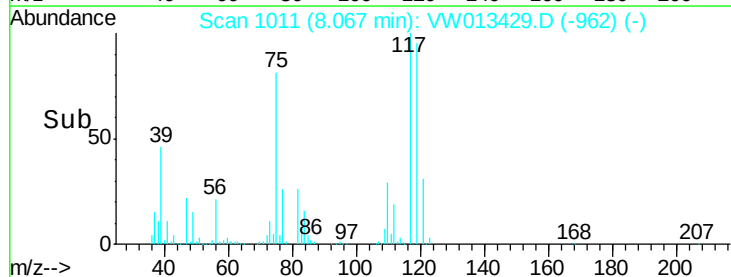
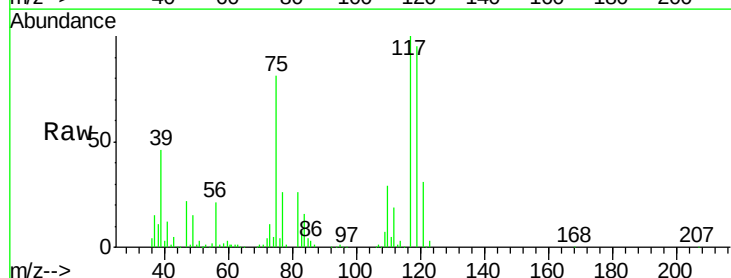
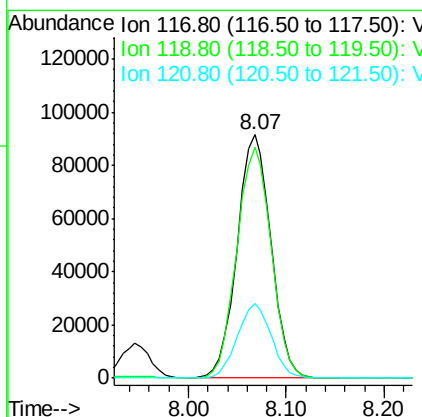
Manual Integrations
APPROVED

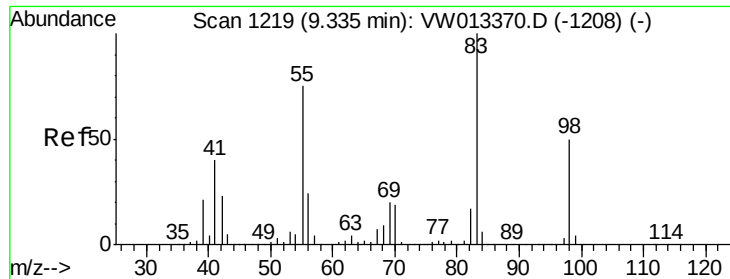
MMDadoda
10/4/2019 12:06:40 PM



#38
Carbon Tetrachloride
Concen: 56.586 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion:	117	Resp:	220142
Ion	Ratio	Lower	Upper
117	100		
119	94.7	73.5	110.3
121	30.9	25.0	37.6





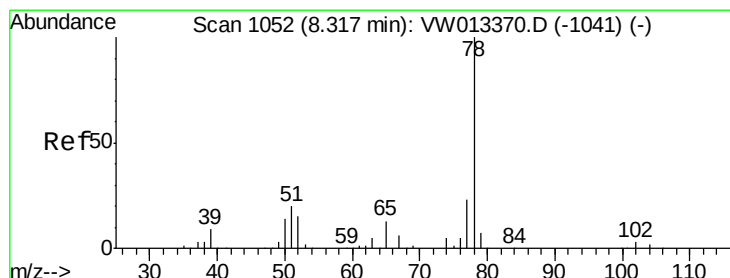
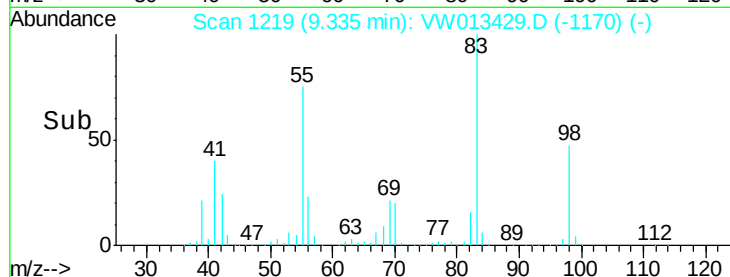
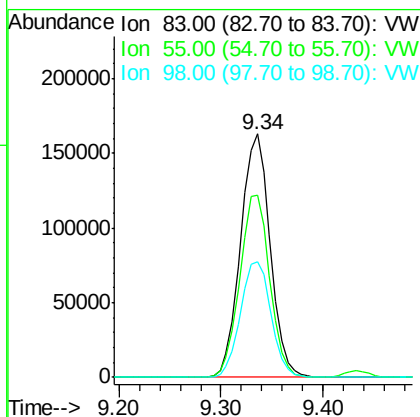
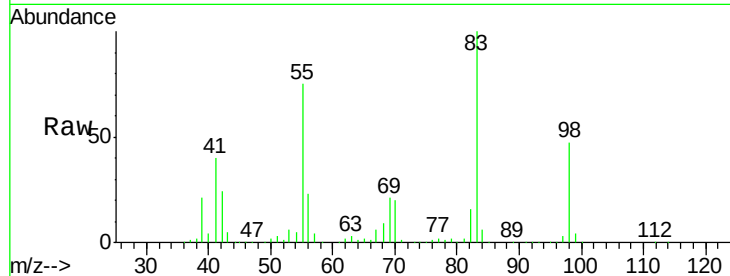
#39
Methylvlcyclohexane
Concen: 55.444 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.4	90.6
98	47.3	40.0	60.0

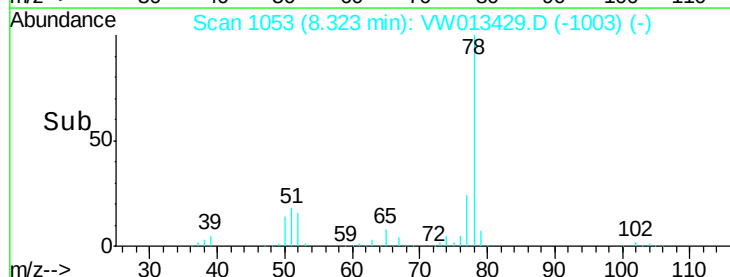
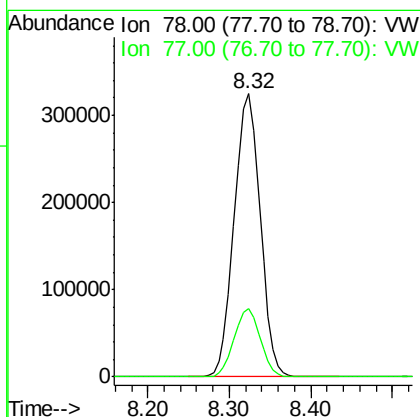
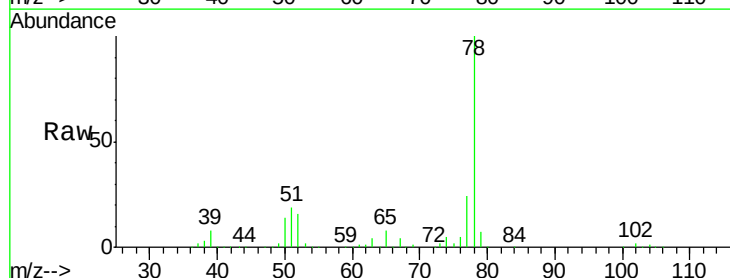
Manual Integrations
APPROVED

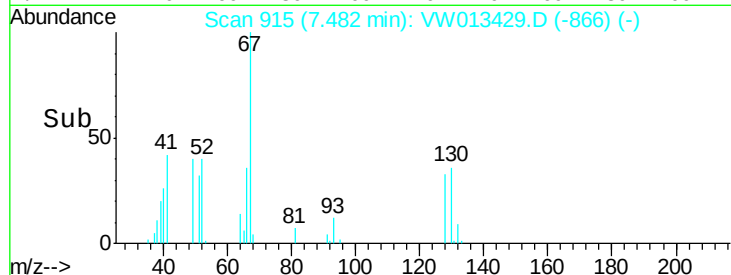
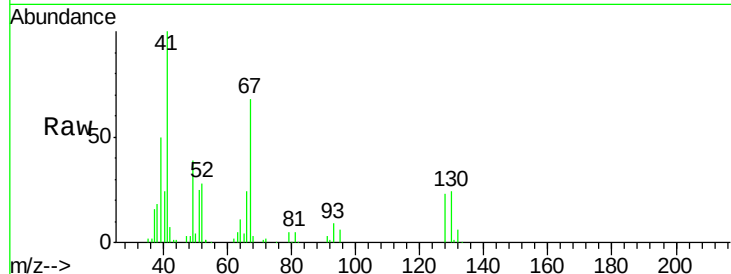
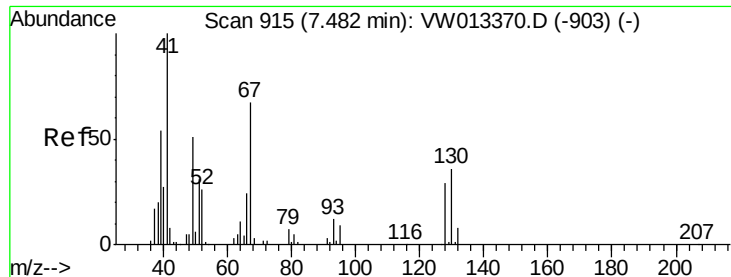
MMDadoda
10/4/2019 12:06:40 PM



#40
Benzene
Concen: 56.420 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





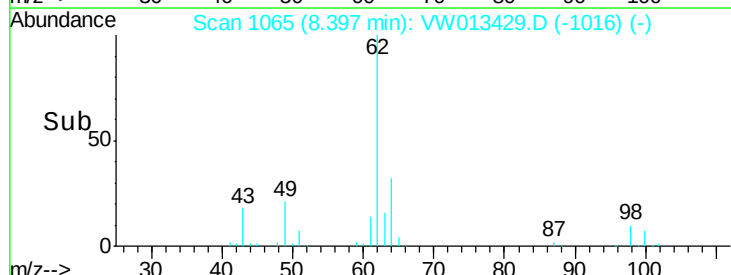
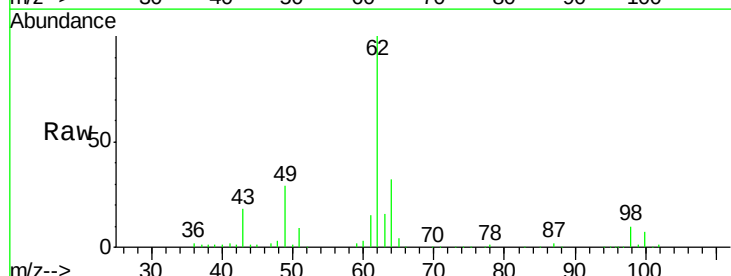
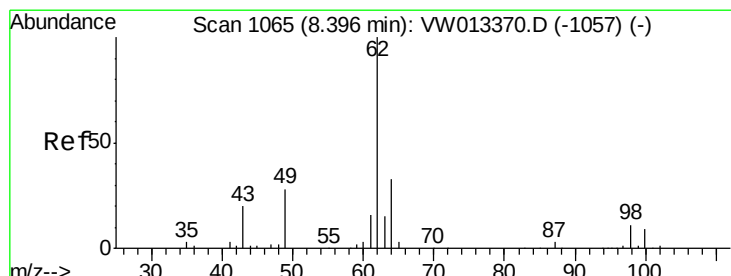
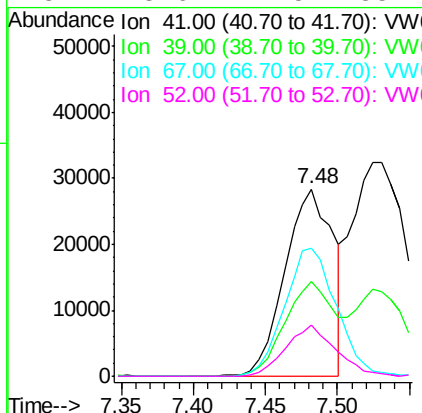
#41
Methacrylonitrile
Concen: 55.318 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tot Ion	41	Resp	66110
Ion	Ratio	Lower	Upper
41	100		
39	49.7	45.9	68.9
67	73.3	54.5	81.7
52	28.6	22.5	33.7

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

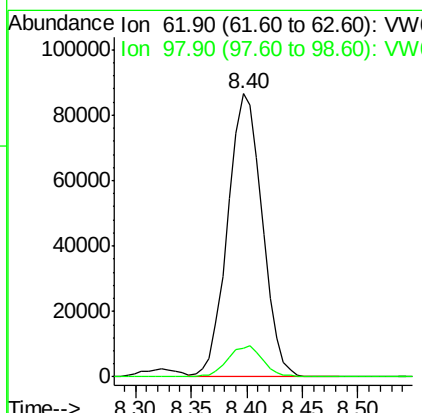
Manual Integrations
APPROVED

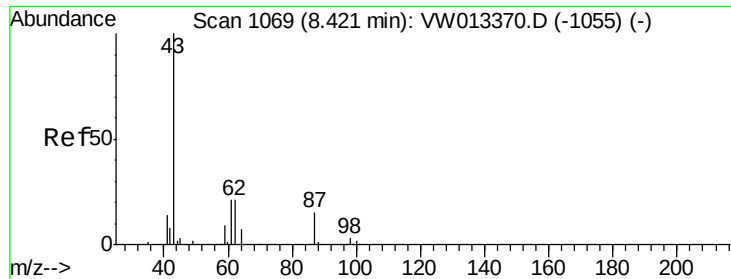
MMDadoda
10/4/2019 12:06:40 PM



#42
1,2-Dichloroethane
Concen: 56.976 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	62	Resp	186171
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 57.738 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

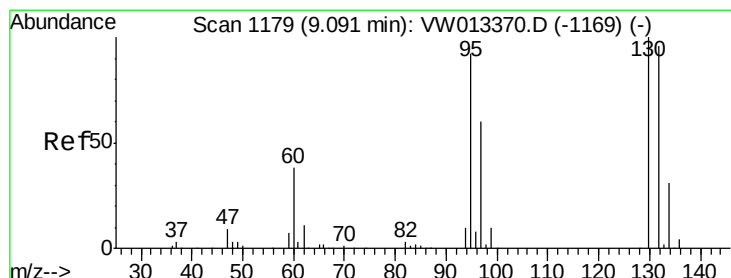
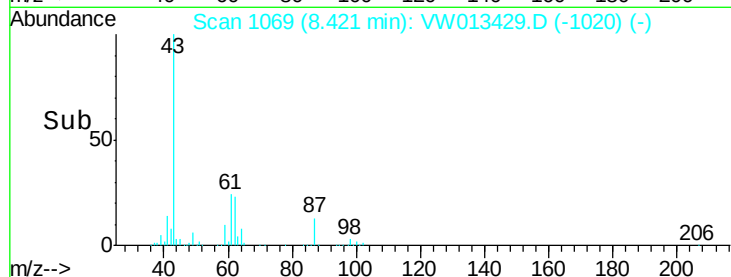
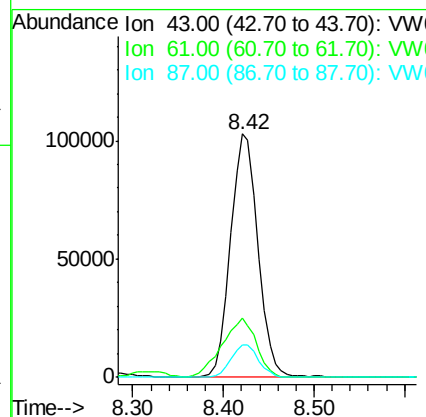
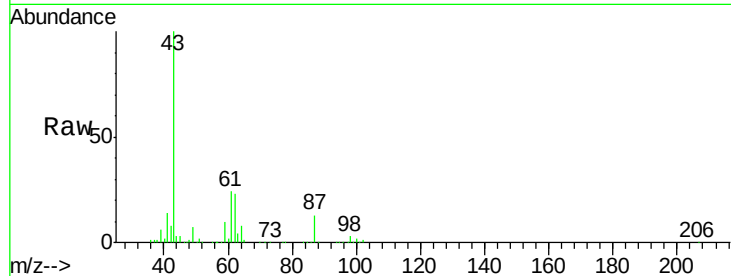
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	215392
Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.5	38.3
87	13.6	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#44

Trichloroethene

Concen: 56.270 ug/l

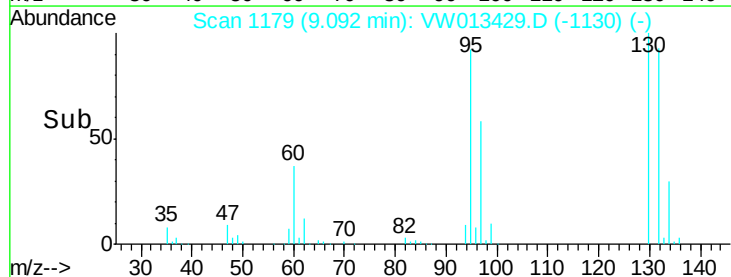
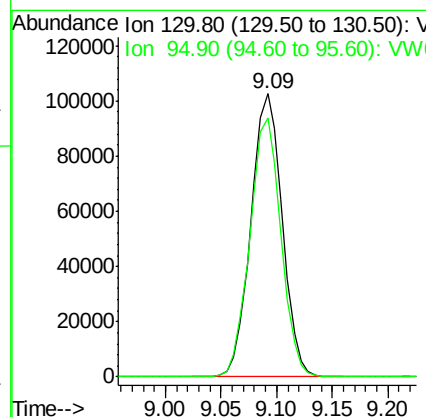
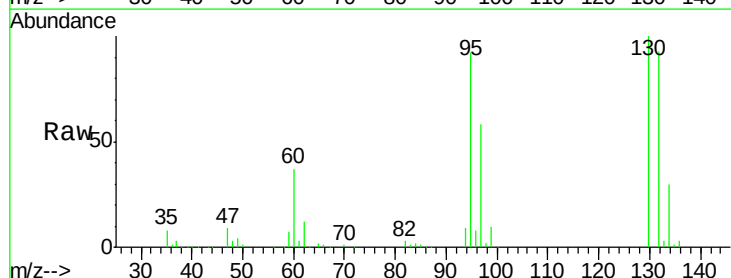
RT: 9.09 min Scan# 1179

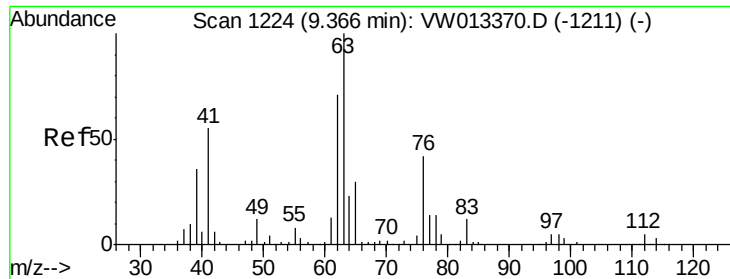
Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	130	Resp:	201451
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	188.0





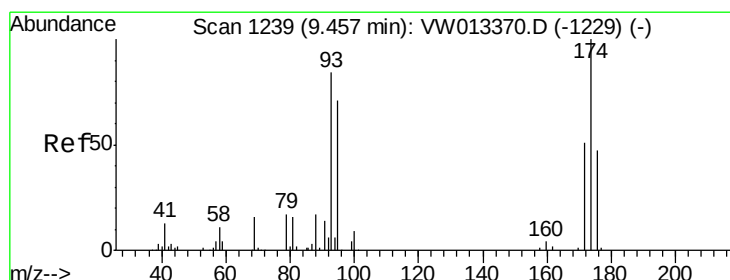
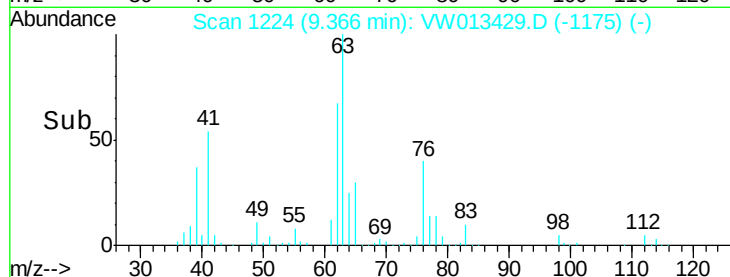
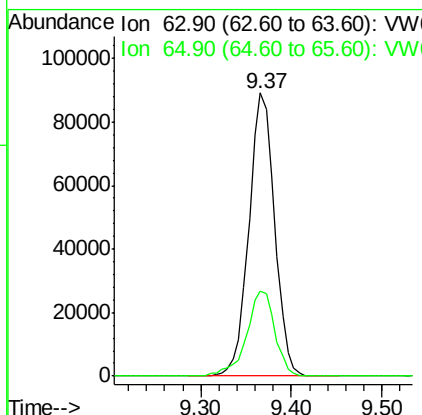
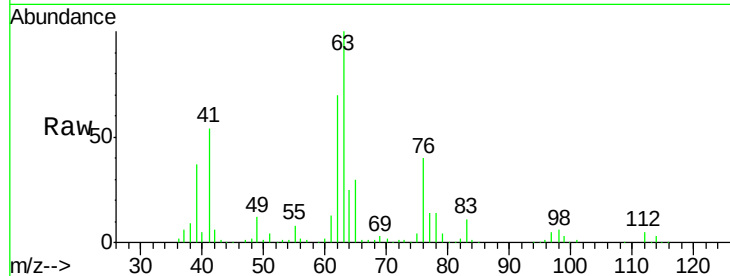
#45
 1,2-Dichloropropane
 Concen: 57.402 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 175217
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.3 37.9

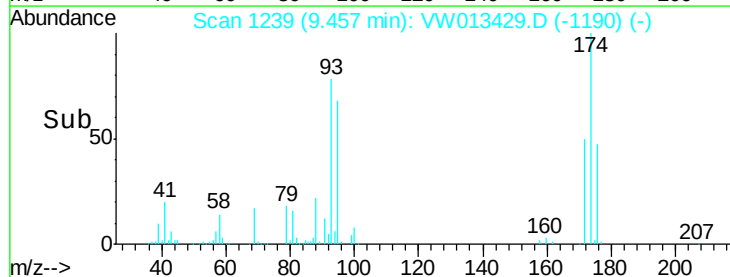
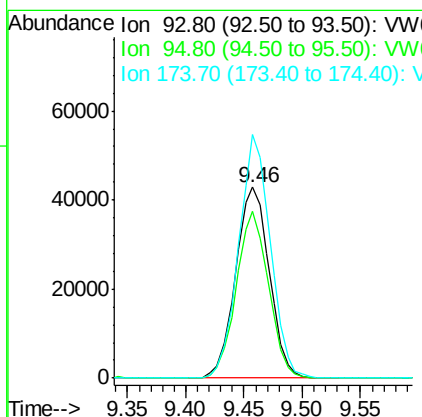
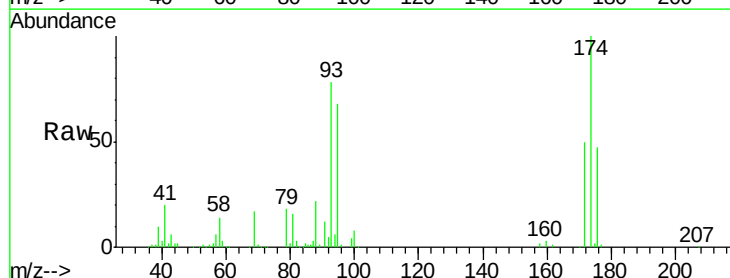
Manual Integrations
 APPROVED

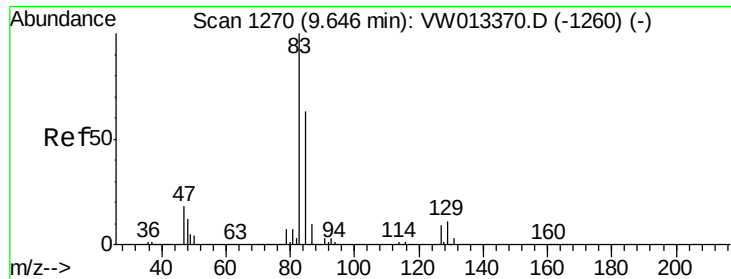
MMDadoda
 10/4/2019 12:06:40 PM



#46
 Dibromomethane
 Concen: 56.972 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion: 93 Resp: 86620
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.4 99.6
 174 120.0 93.0 139.6





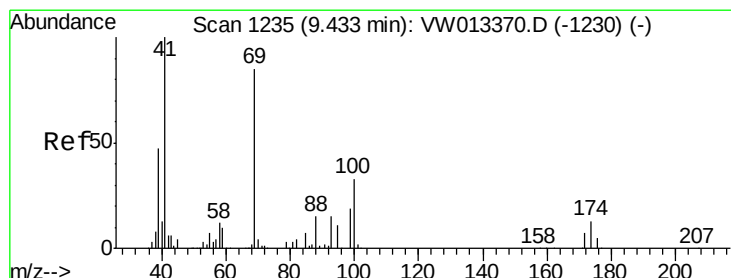
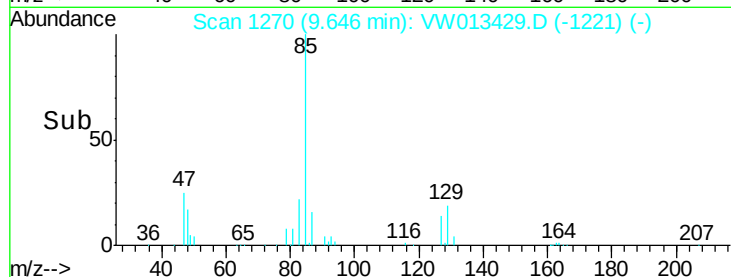
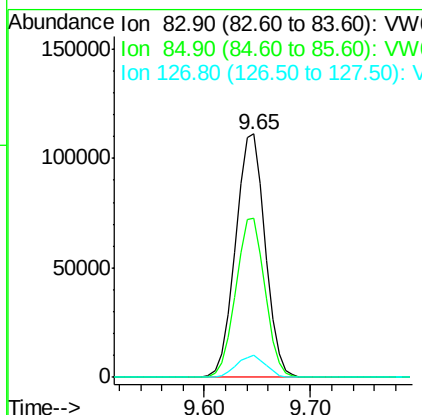
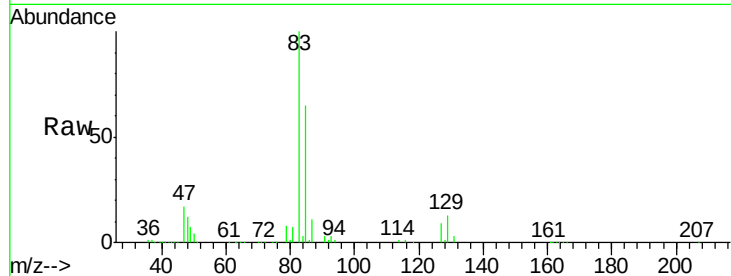
#47
 Bromodichloromethane
 Concen: 58.071 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	217348		
85	65.4	49.4	74.2	
127	9.2	6.5	9.7	

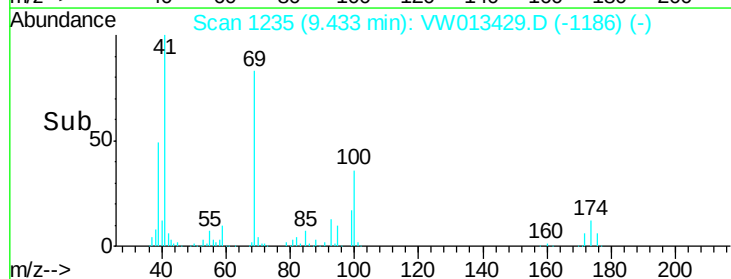
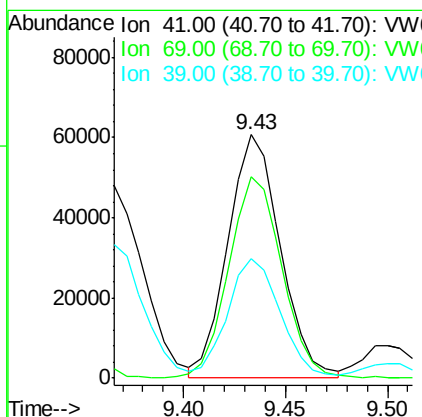
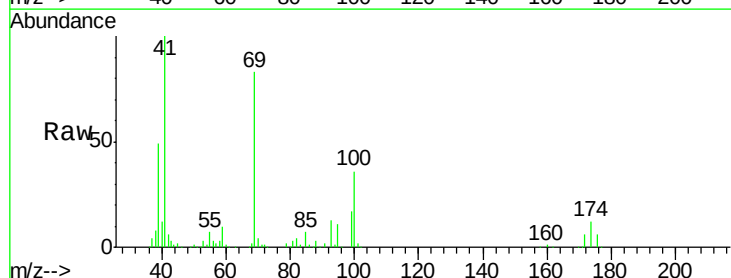
Manual Integrations
 APPROVED

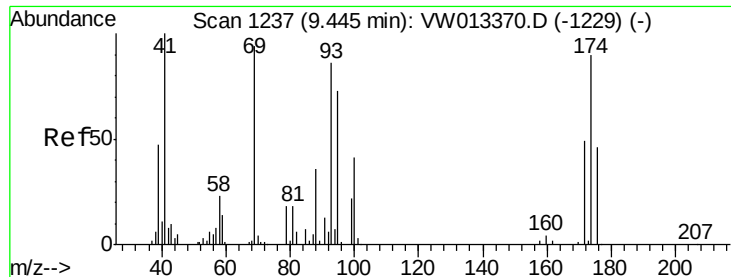
MMDadoda
 10/4/2019 12:06:40 PM



#48
 Methyl methacrylate
 Concen: 60.300 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	108086		
69	84.1	69.7	104.5	
39	46.7	41.1	61.7	





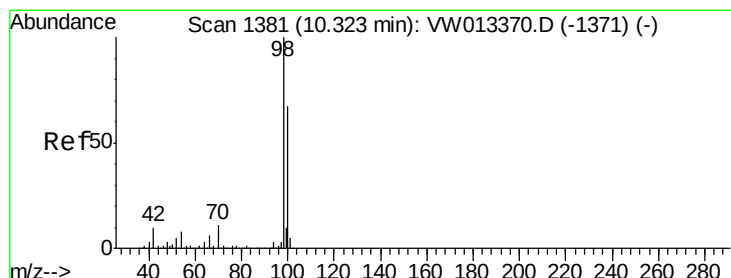
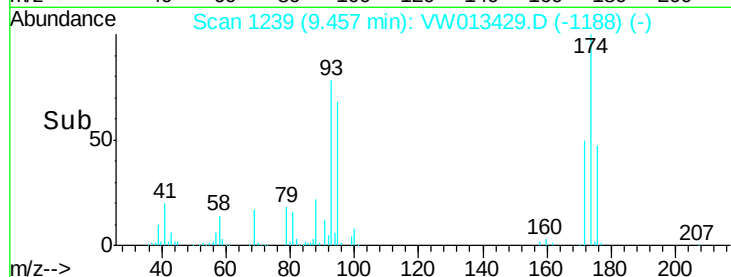
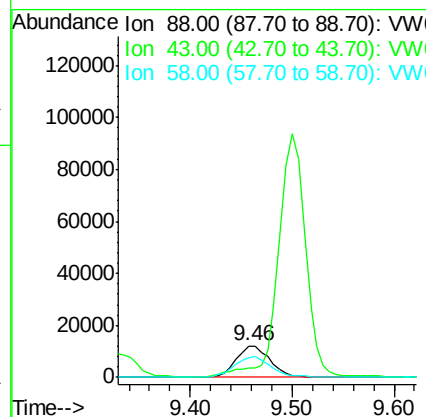
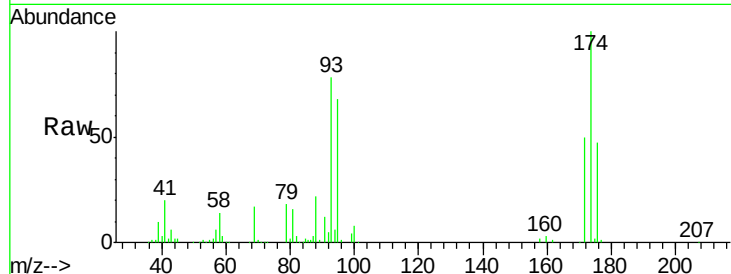
#49
1,4-Dioxane
Concen: 1194.914 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.9	65.4	98.0

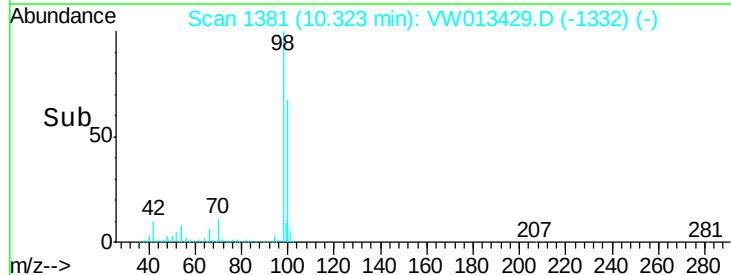
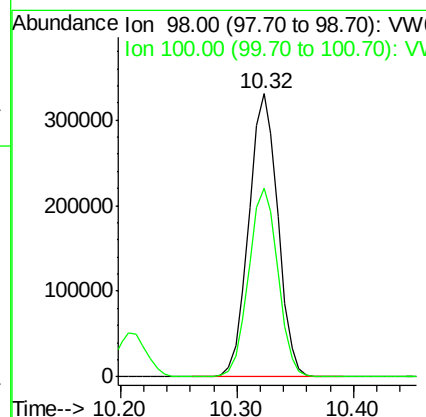
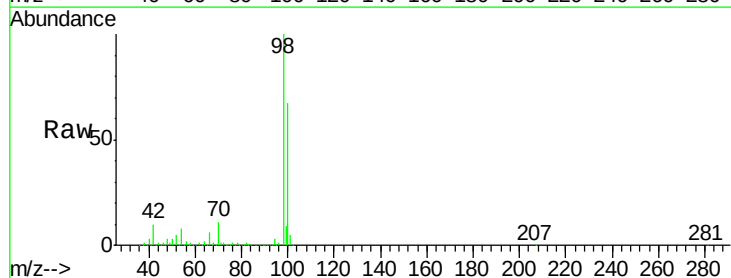
Manual Integrations
APPROVED

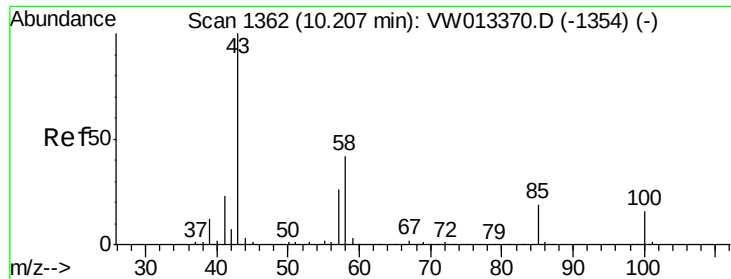
MMDadoda
10/4/2019 12:06:40 PM



#50
Toluene-d8
Concen: 54.756 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 279.358 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 547540

Ion Ratio Lower Upper

43 100

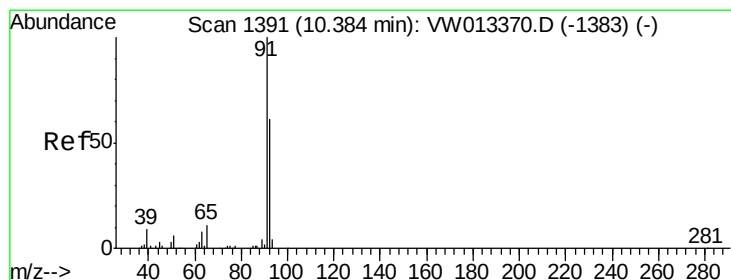
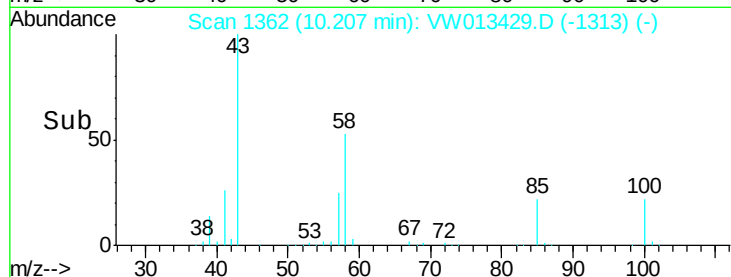
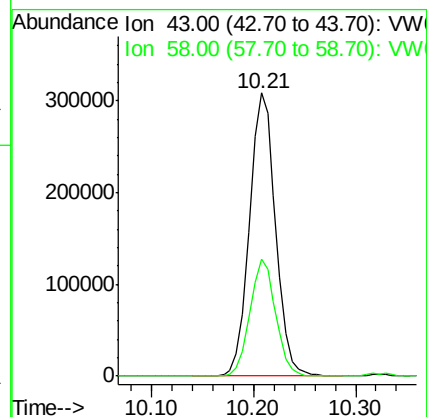
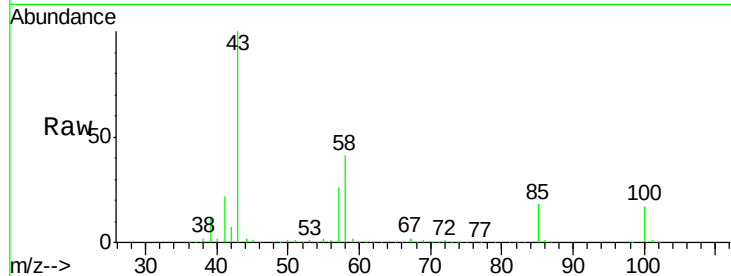
58 40.7 31.7 47.5

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



#52

Toluene

Concen: 56.183 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013429.D

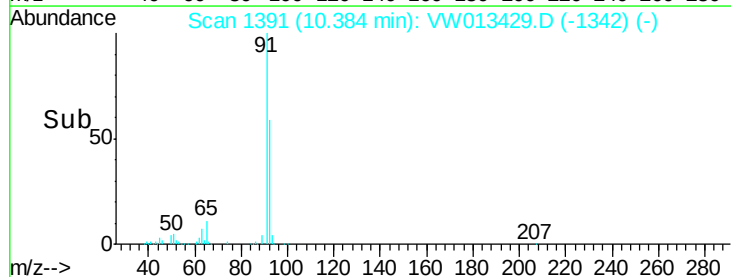
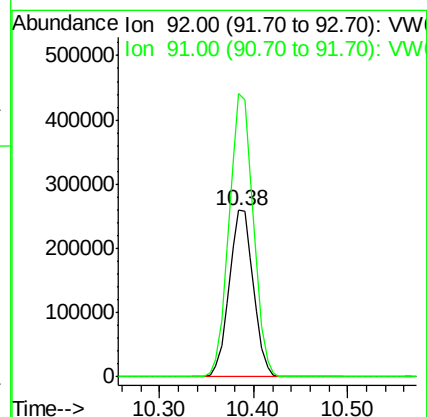
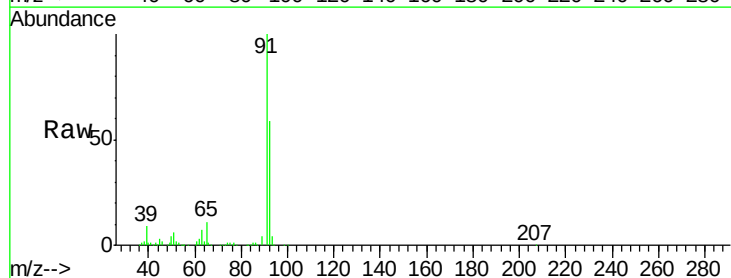
Acq: 03 Oct 2019 19:36

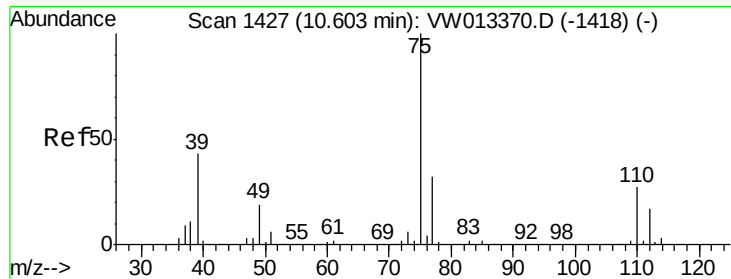
Tgt Ion: 92 Resp: 460707

Ion Ratio Lower Upper

92 100

91 170.3 135.7 203.5





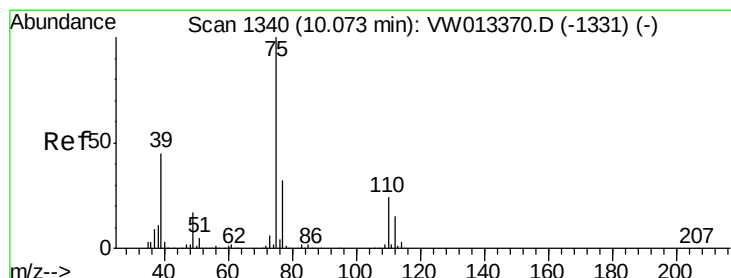
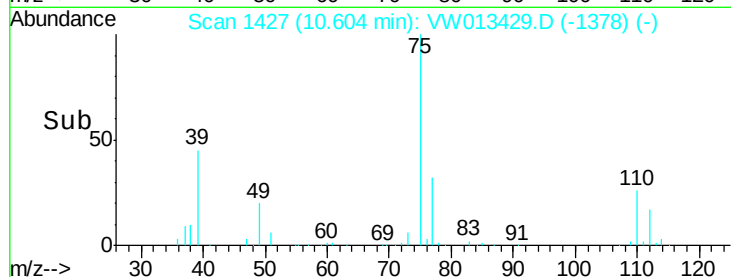
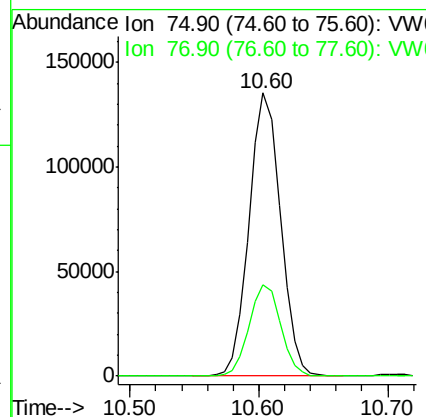
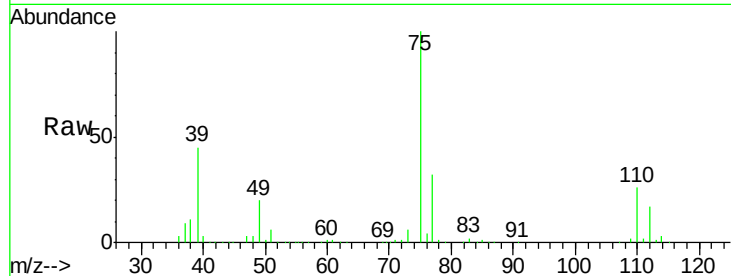
#53
t-1,3-Dichloropropene
Concen: 58.660 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

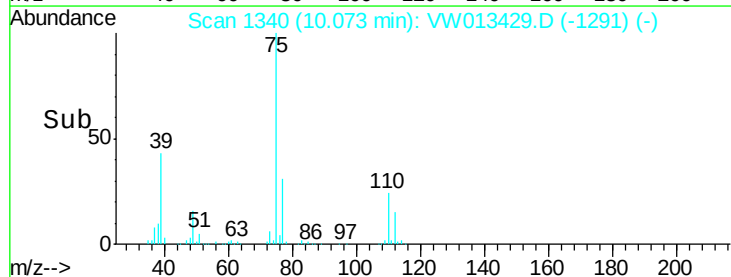
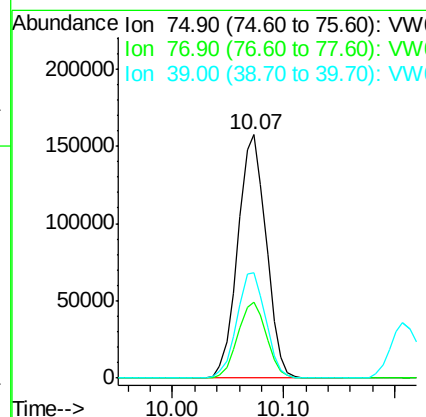
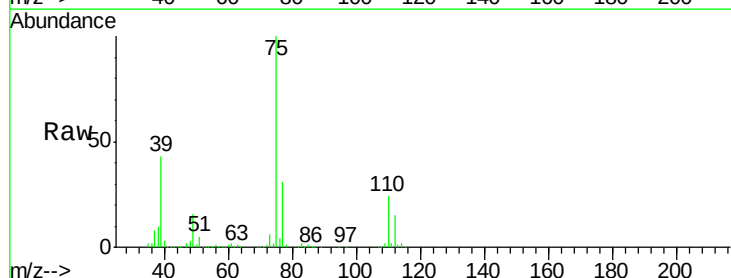
Manual Integrations
APPROVED

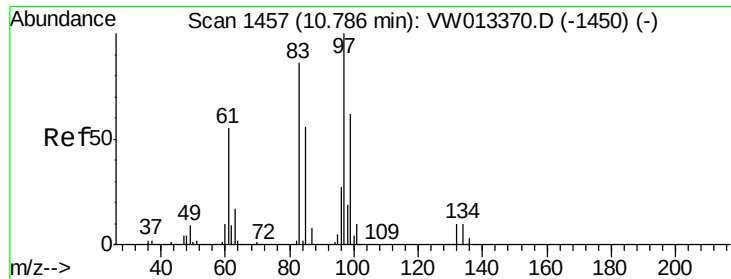
MMDadoda
10/4/2019 12:06:40 PM



#54
cis-1,3-Dichloropropene
Concen: 58.837 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8
39	43.4	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 57.488 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

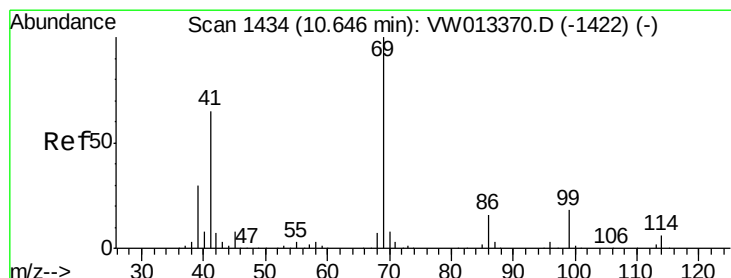
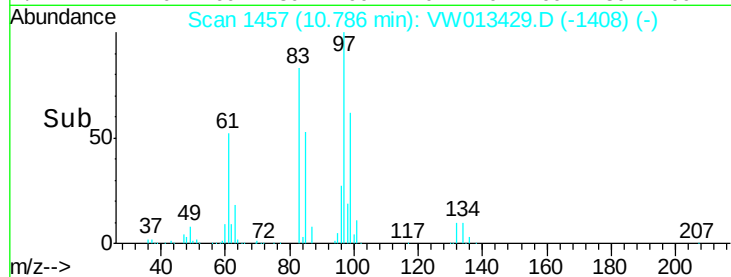
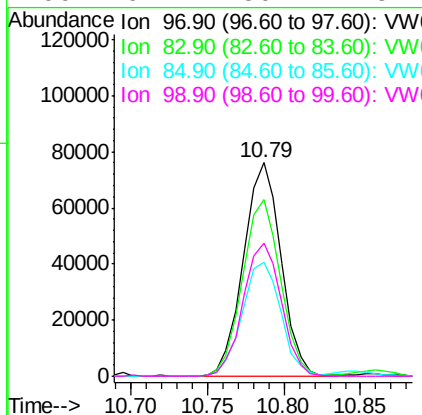
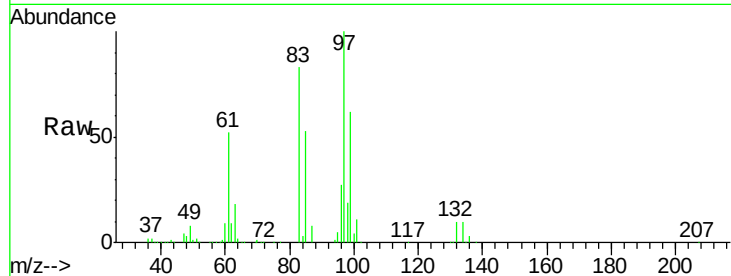
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	130386
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.6	101.4
85	53.2	41.9	62.9
99	62.2	50.1	75.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#56

Ethyl methacrylate

Concen: 58.869 ug/l

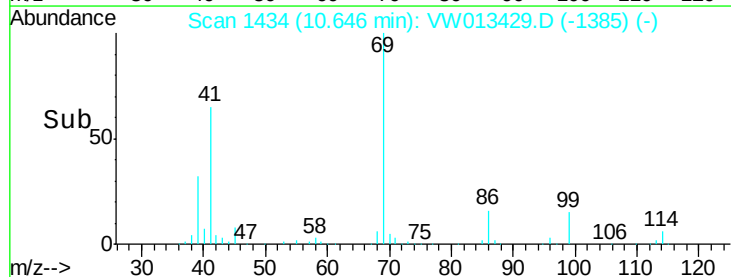
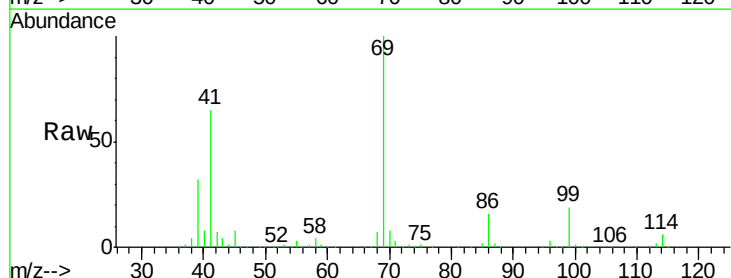
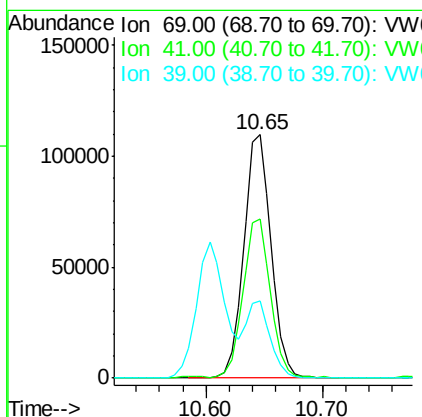
RT: 10.65 min Scan# 1434

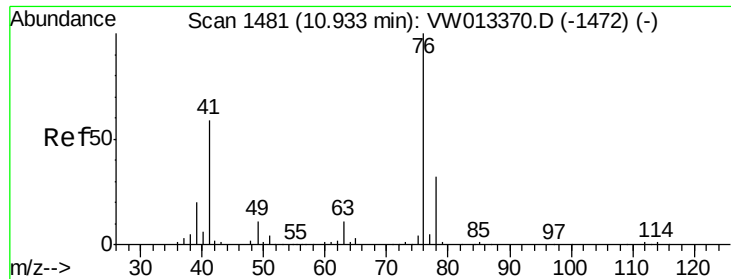
Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	69	Resp:	179715
Ion	Ratio	Lower	Upper
69	100		
41	64.5	53.9	80.9
39	28.0	23.8	35.6





#57

1,3-Dichloropropane

Concen: 56.802 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 223970

Ion Ratio Lower Upper

76 100

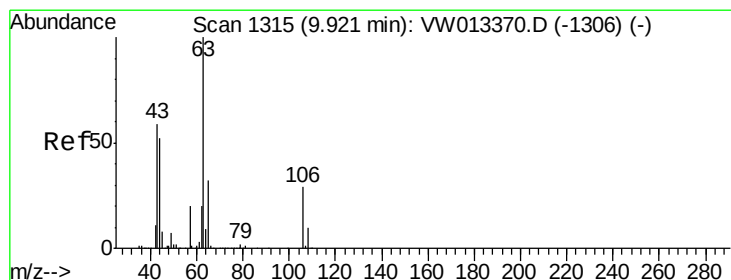
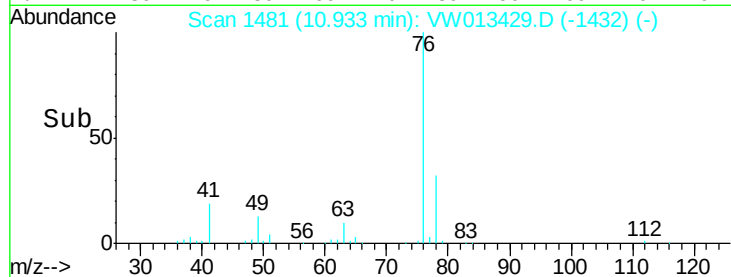
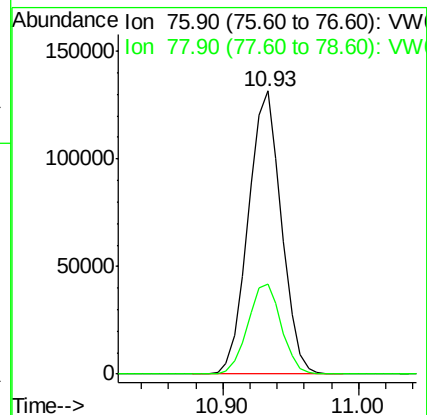
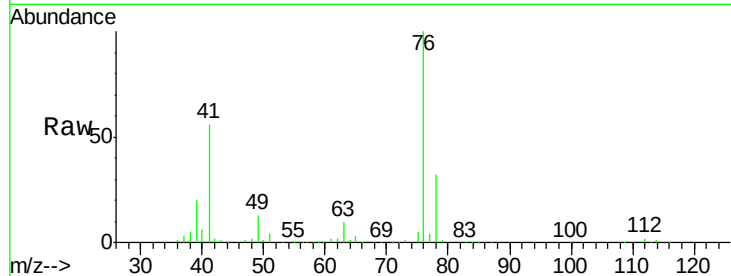
78 32.3 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 272.833 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW013429.D

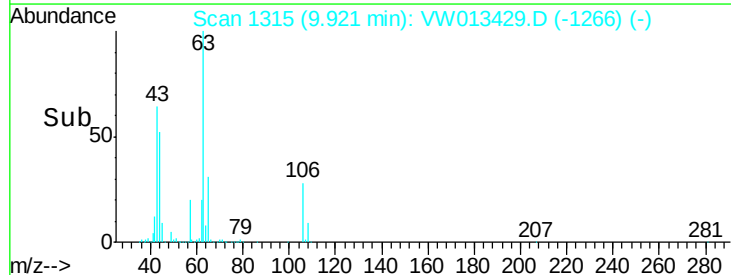
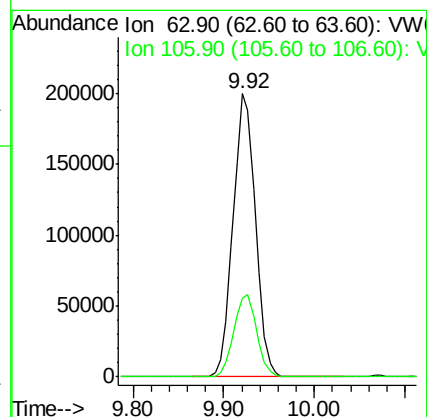
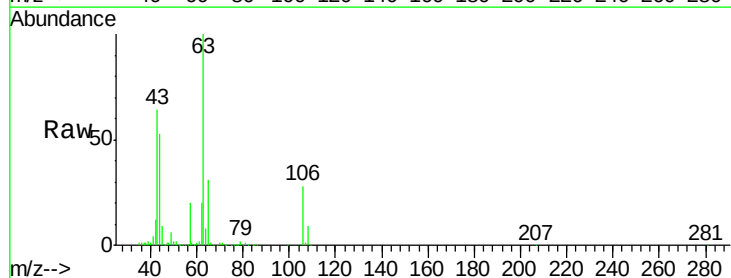
Acq: 03 Oct 2019 19:36

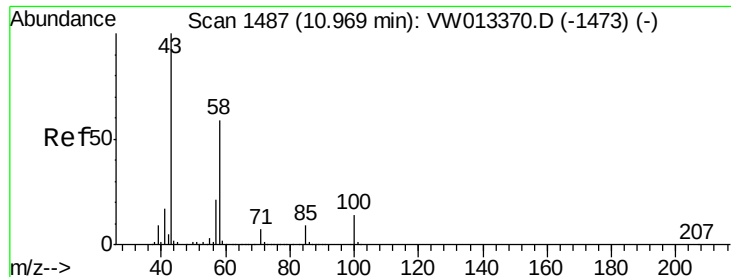
Tgt Ion: 63 Resp: 342140

Ion Ratio Lower Upper

63 100

106 29.6 23.4 35.0





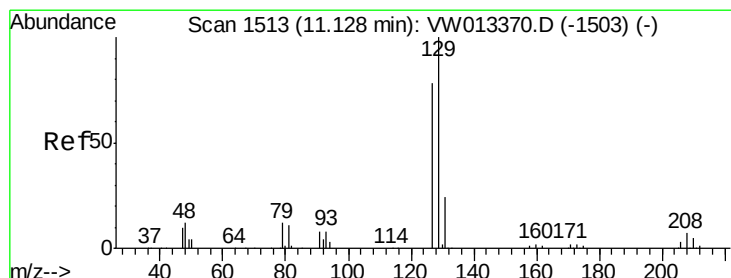
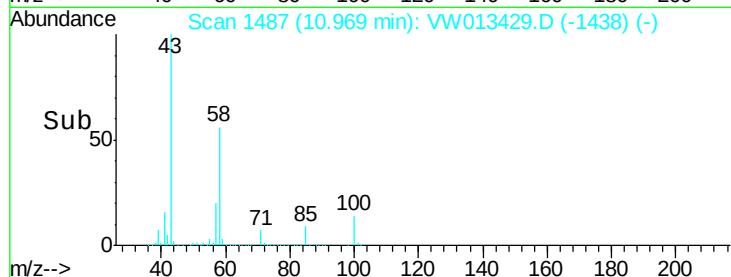
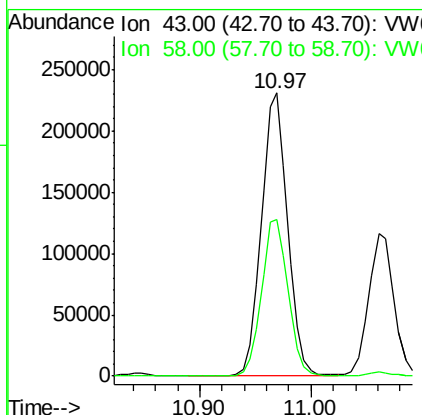
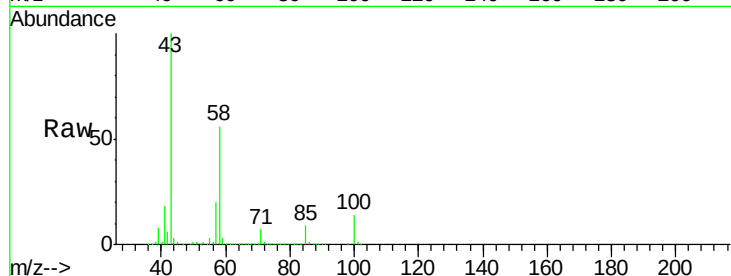
#59
2-Hexanone
Concen: 279.103 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	379170
Ion Ratio	100	Lower	Upper
58	56.2	28.1	84.2

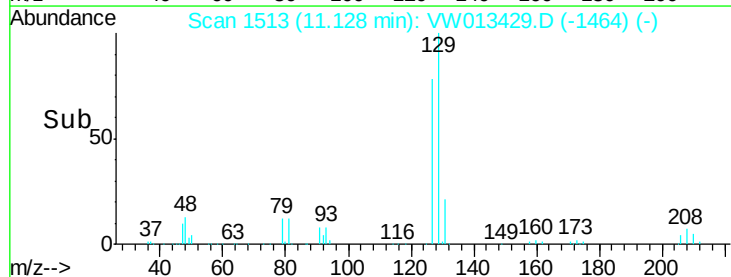
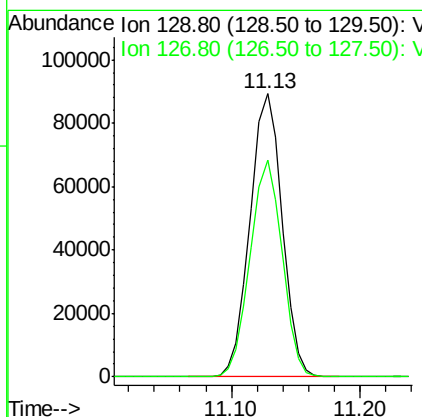
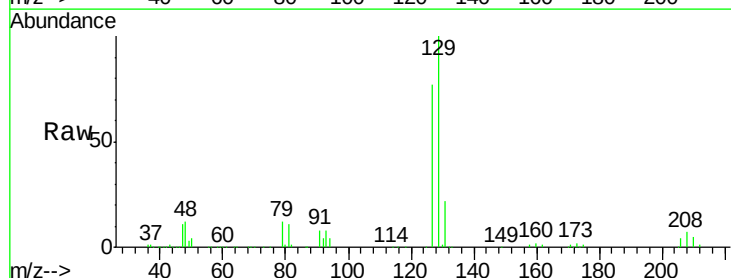
Manual Integrations
APPROVED

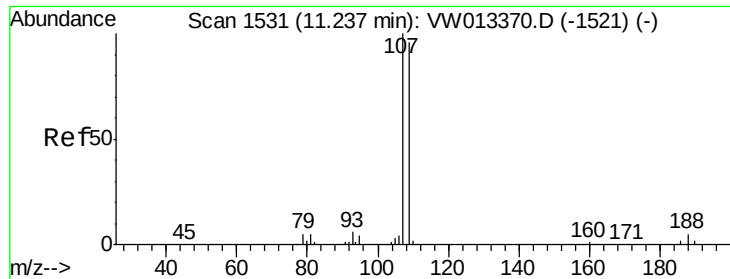
MMDadoda
10/4/2019 12:06:40 PM



#60
Dibromochloromethane
Concen: 59.241 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	129	Resp	153714
Ion Ratio	100	Lower	Upper
127	76.2	38.8	116.4





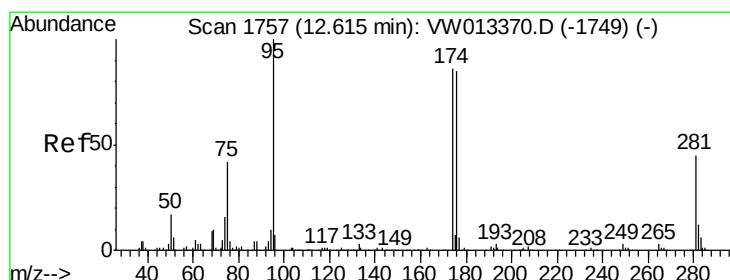
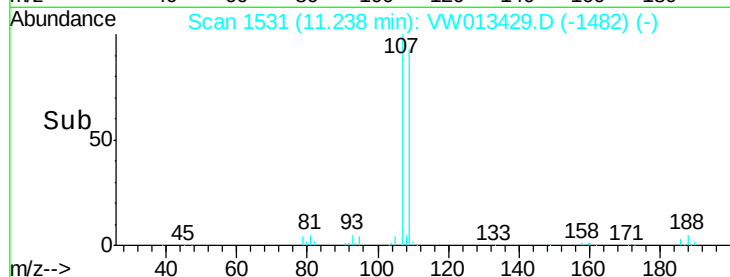
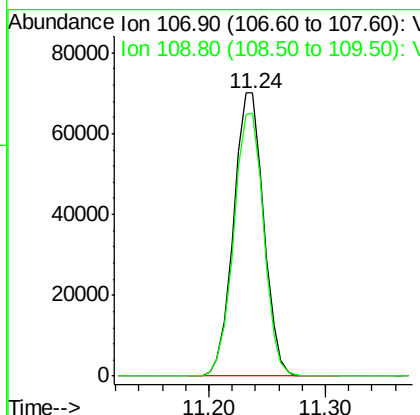
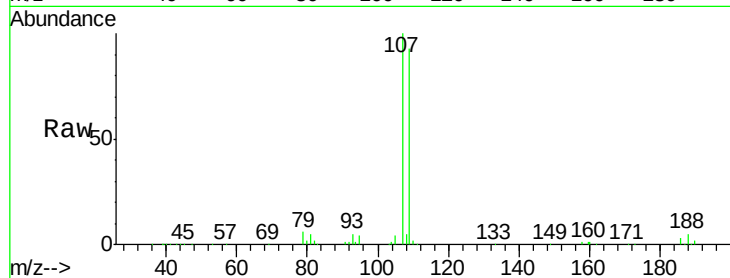
#61
 1,2-Dibromoethane
 Concen: 57.484 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.2	112.8

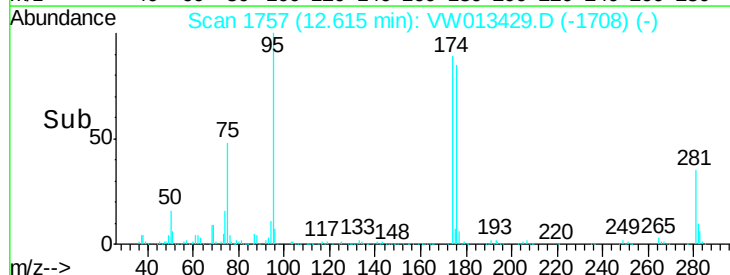
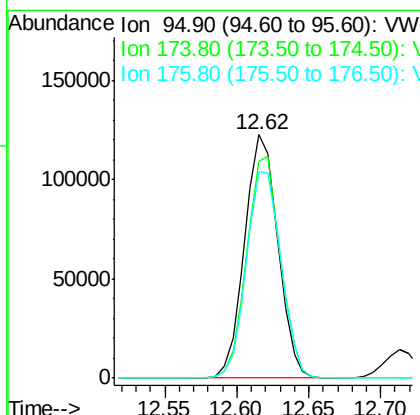
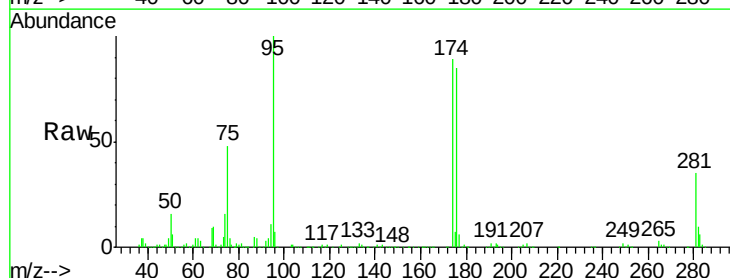
Manual Integrations
 APPROVED

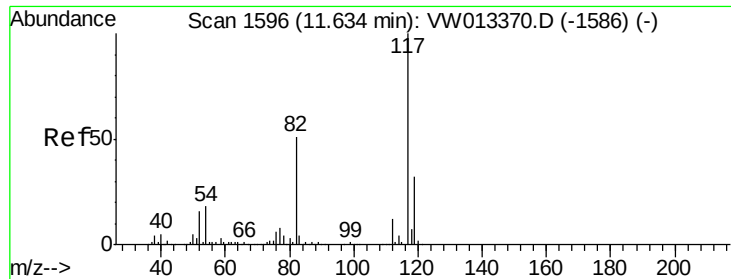
MMDadoda
 10/4/2019 12:06:40 PM



#62
 4-Bromofluorobenzene
 Concen: 55.648 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	178.4
176	88.2	0.0	172.2





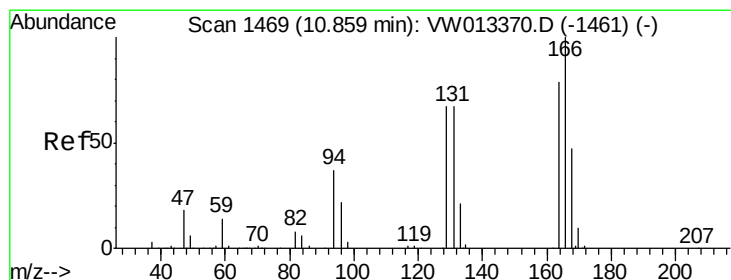
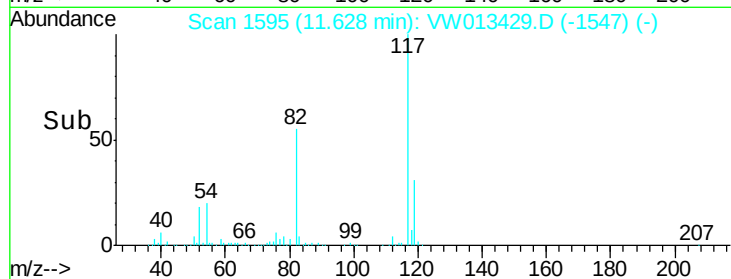
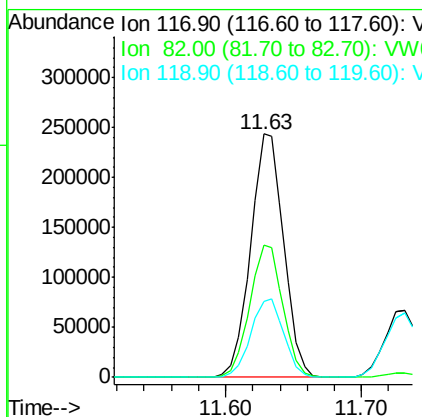
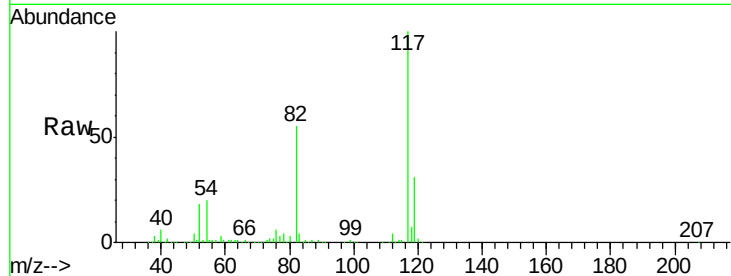
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	415105		
82	54.6	45.9	68.9	
119	31.4	26.2	39.2	

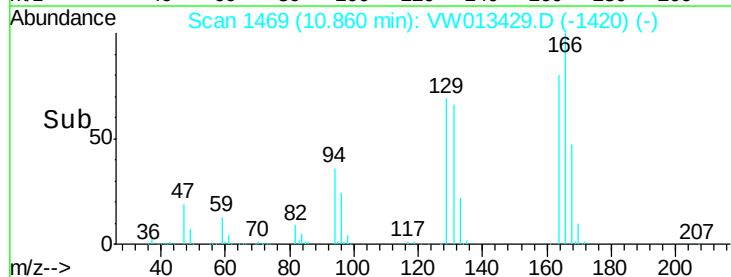
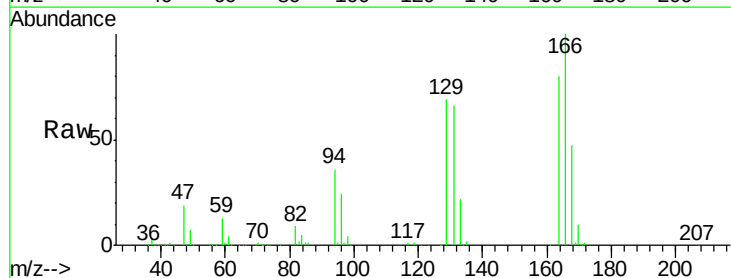
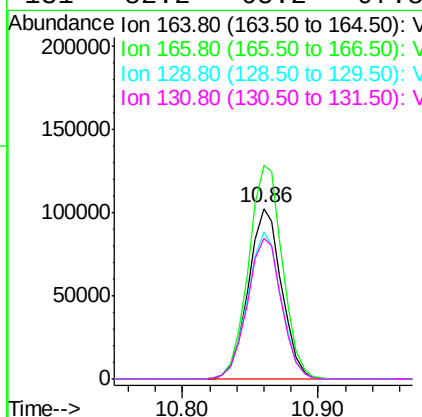
Manual Integrations
APPROVED

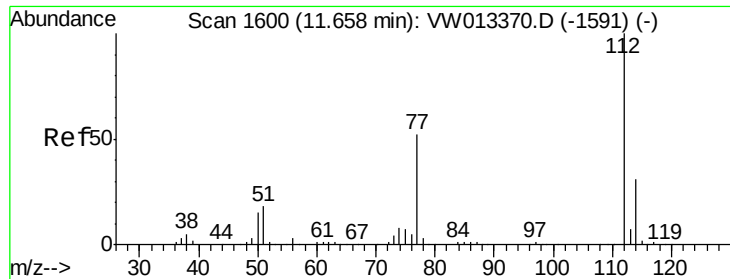
MMDadoda
10/4/2019 12:06:40 PM



#64
Tetrachloroethene
Concen: 55.632 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175691		
166	125.1	101.2	151.8	
129	86.5	68.8	103.2	
131	82.2	65.2	97.8	





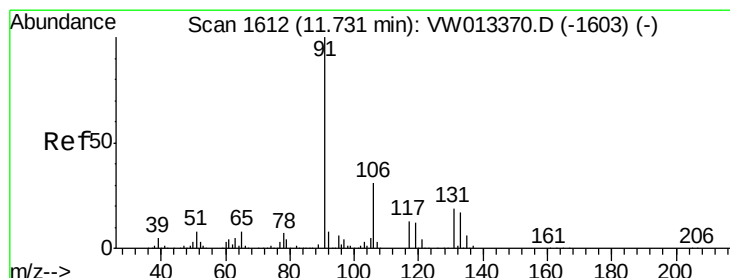
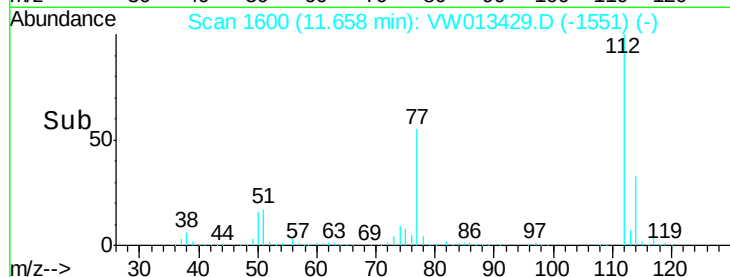
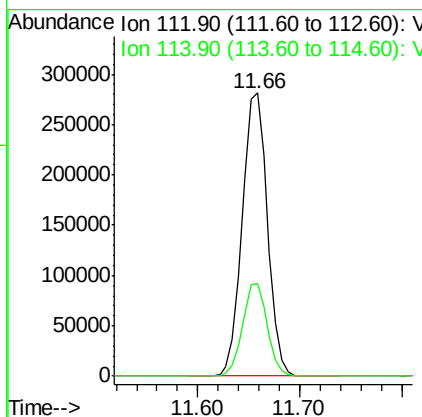
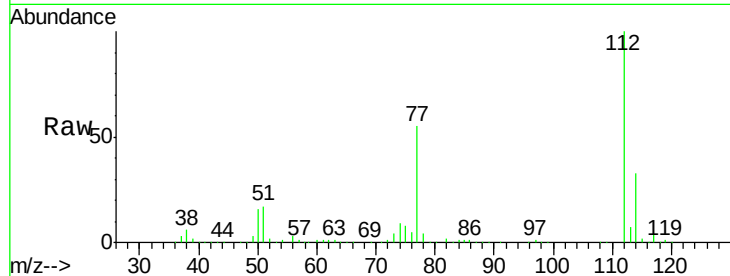
#65
Chlorobenzene
Concen: 56.677 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 481995
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7

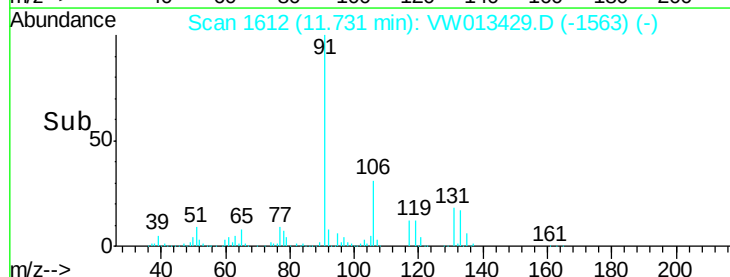
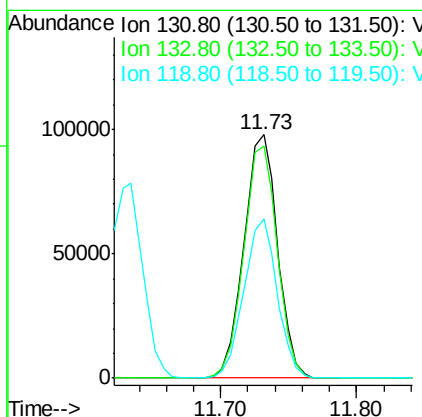
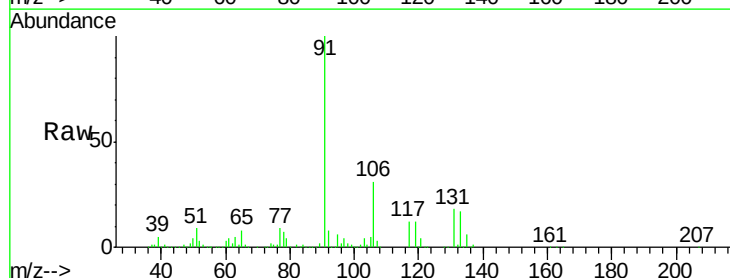
Manual Integrations
APPROVED

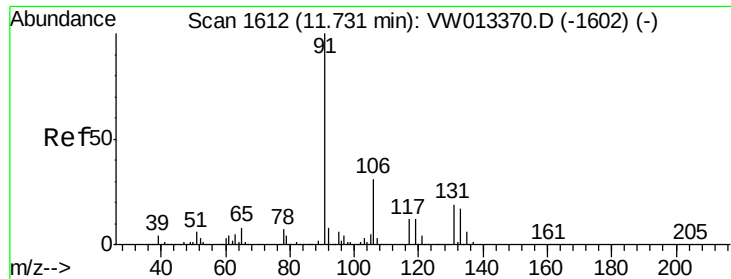
MMDadoda
10/4/2019 12:06:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.618 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion:131 Resp: 169786
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.6
119 64.9 32.5 97.5





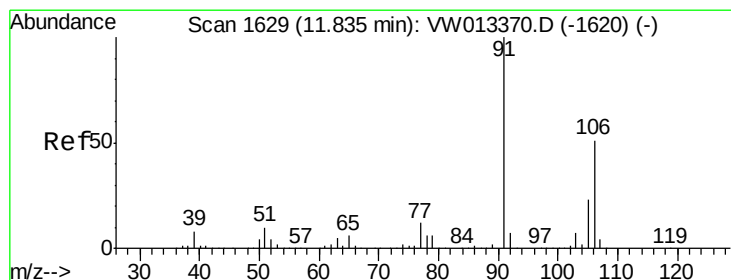
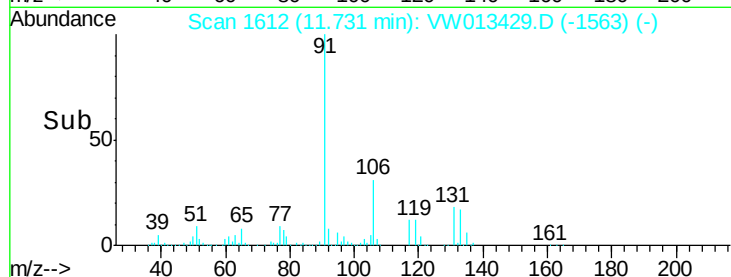
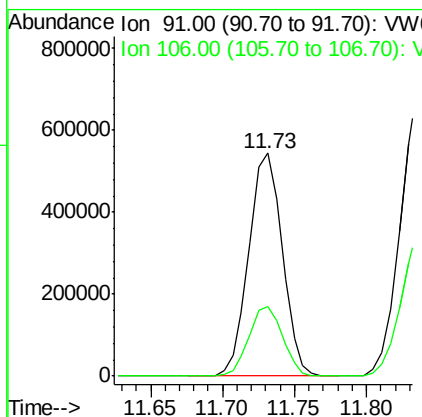
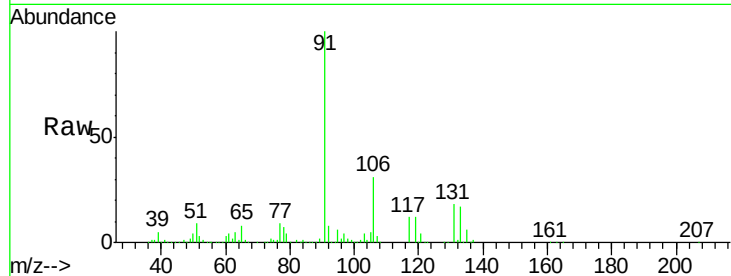
#67
Ethyl Benzene
Concen: 57.586 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 877702
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3

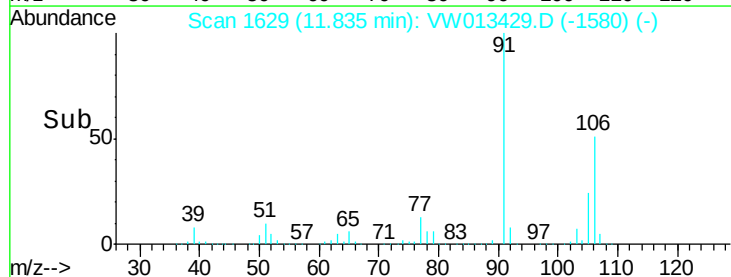
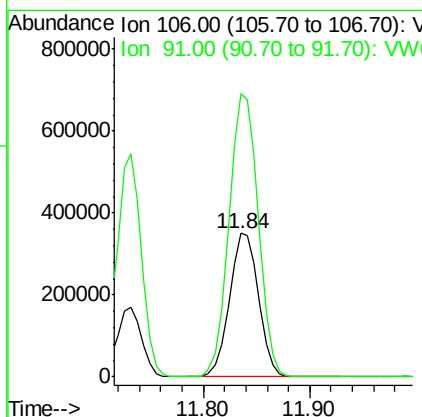
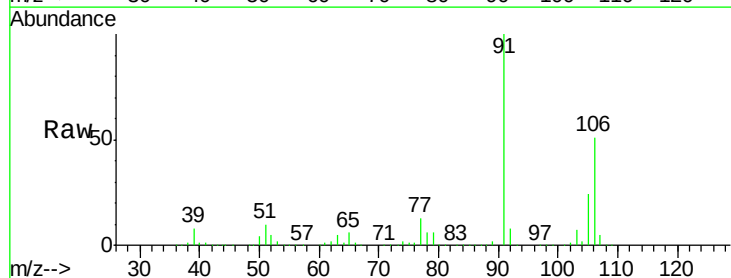
Manual Integrations
APPROVED

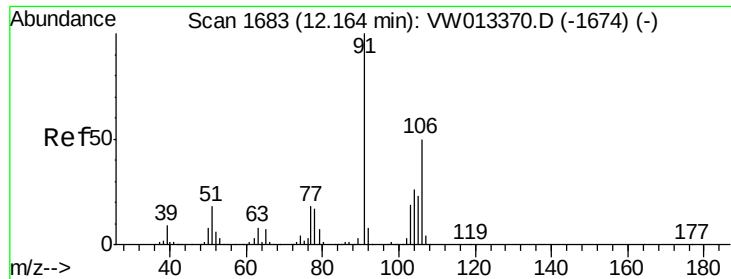
MMDadoda
10/4/2019 12:06:40 PM



#68
m/p-Xylenes
Concen: 113.091 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion: 106 Resp: 665330
Ion Ratio Lower Upper
106 100
91 199.6 157.9 236.9





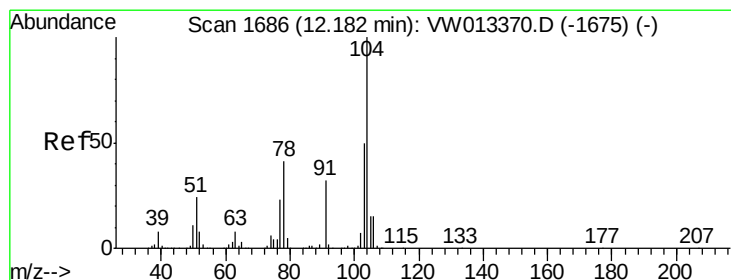
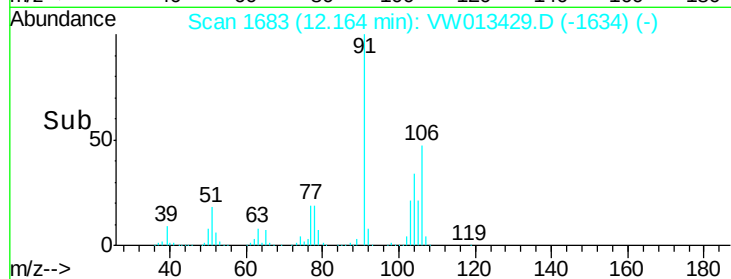
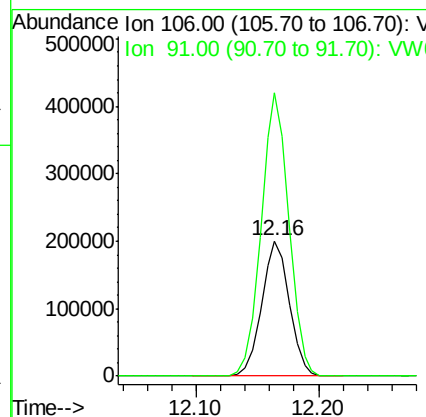
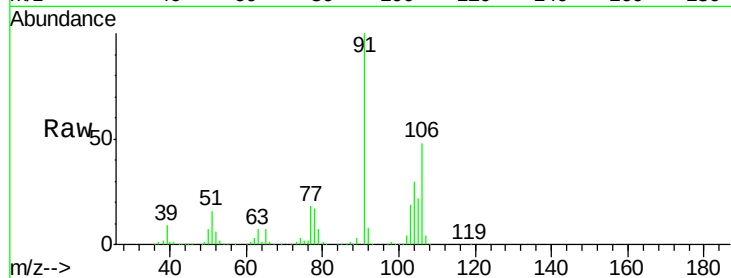
#69
o-Xylene
Concen: 58.003 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.0	106.5	315505	319.5	

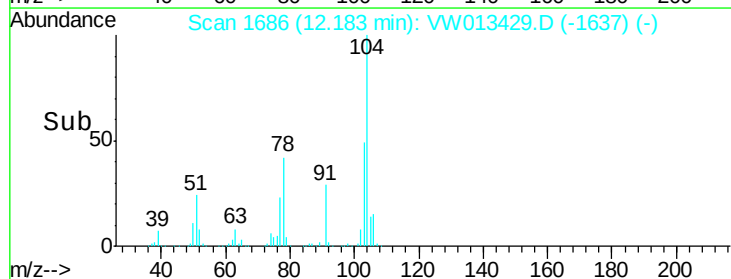
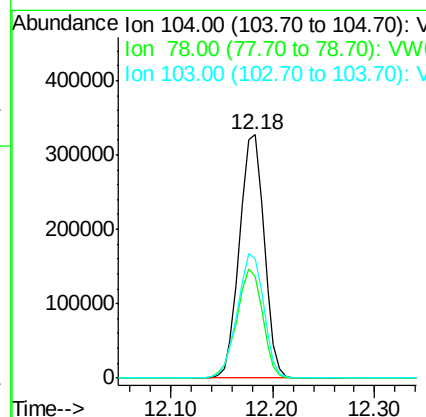
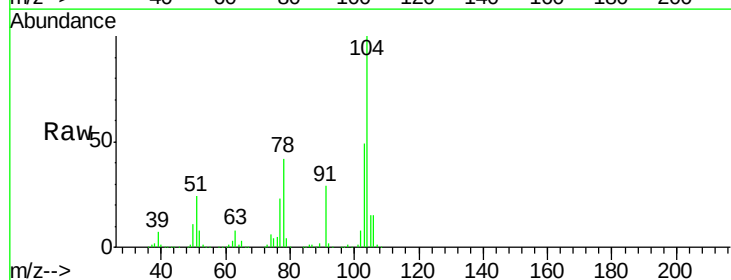
Manual Integrations
APPROVED

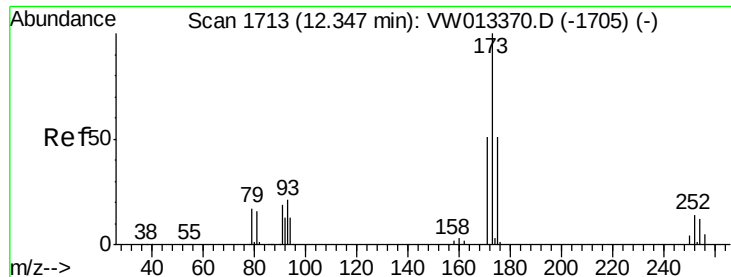
MMDadoda
10/4/2019 12:06:40 PM



#70
Styrene
Concen: 58.925 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.1	38.4	547909	57.6	
103	54.3	43.3		64.9	





#71

Bromoform

Concen: 59.892 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

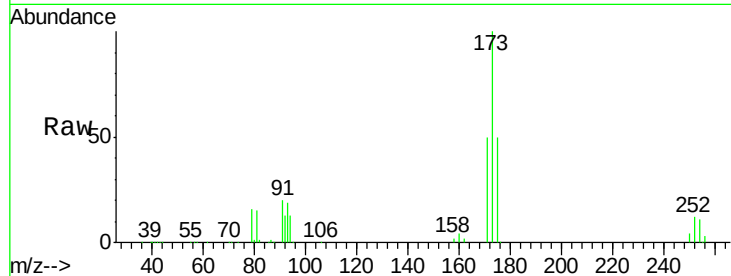
ClientSampleId :

VSTDCCC050EC

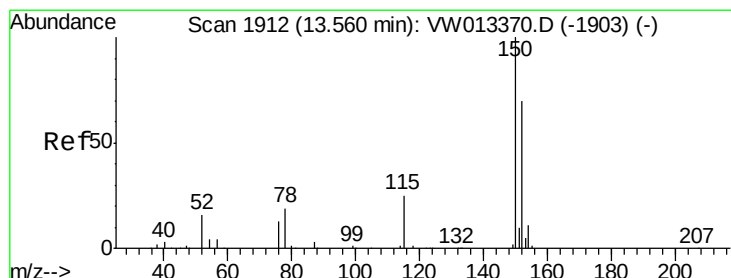
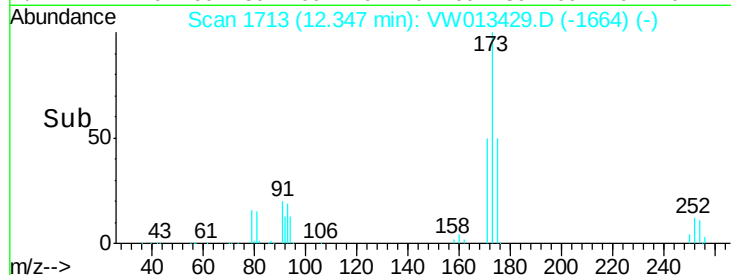
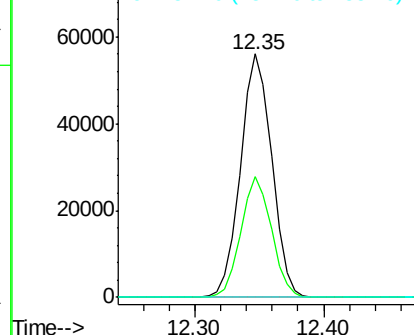
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

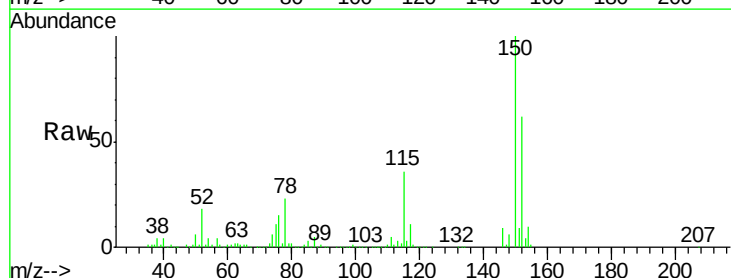
RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

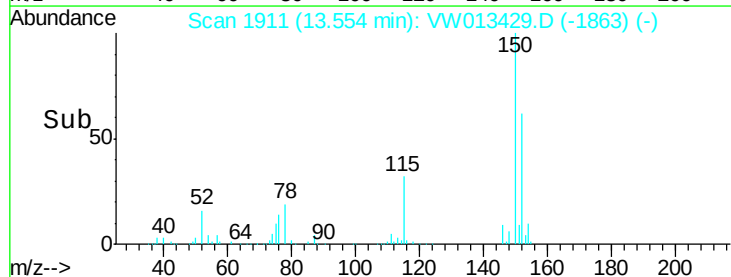
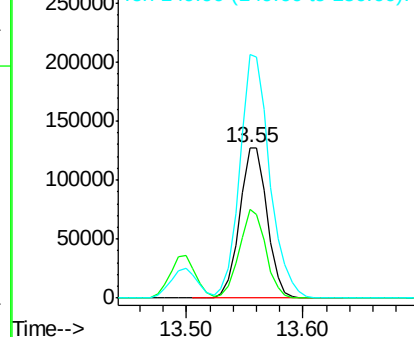
Lab File: VW013429.D

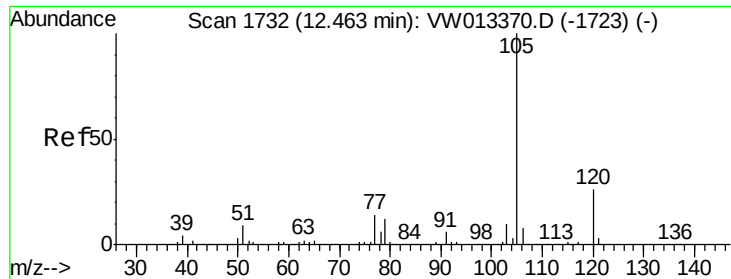
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.3	81.9
150	176.5	0.0	349.0



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





#73

Isopropylbenzene

Concen: 56.584 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 864485

Ion Ratio Lower Upper

105 100

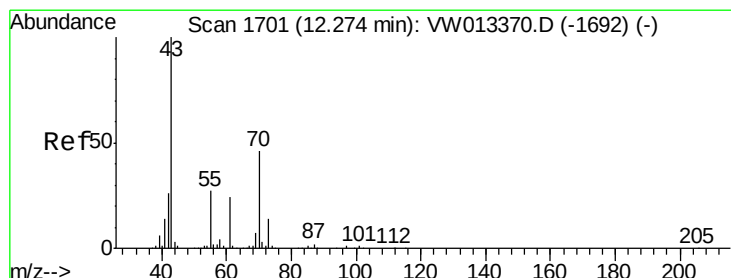
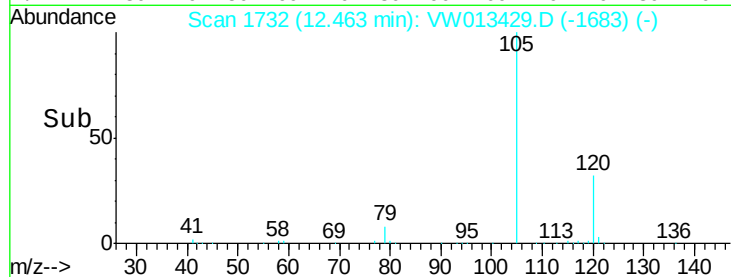
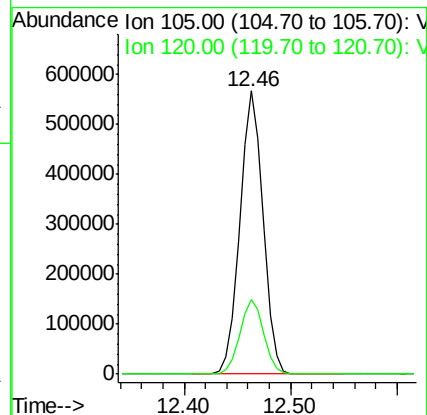
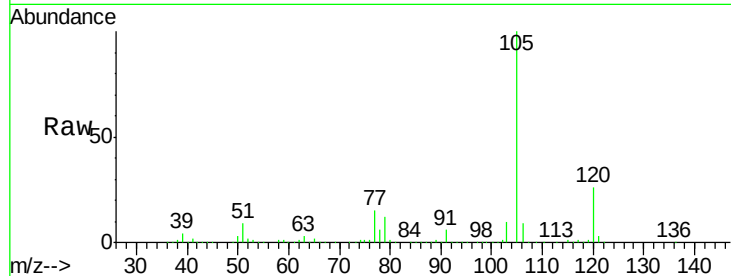
120 26.8 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



#74

N-ethyl acetate

Concen: 61.225 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion: 43 Resp: 199069

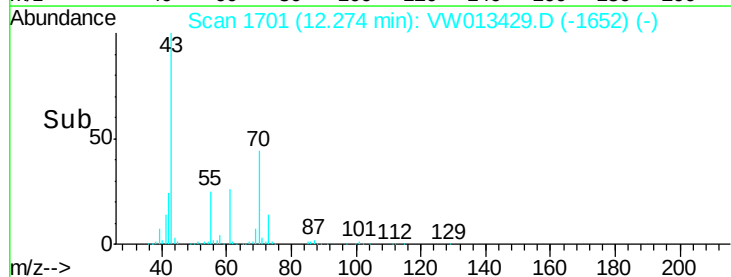
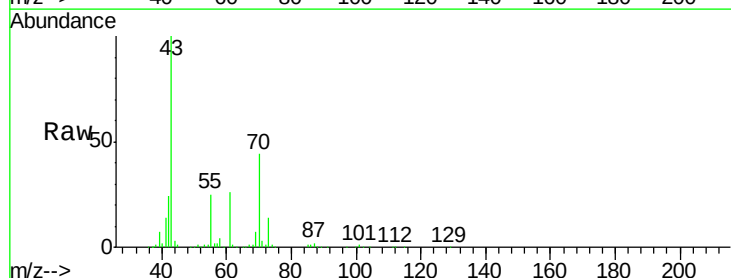
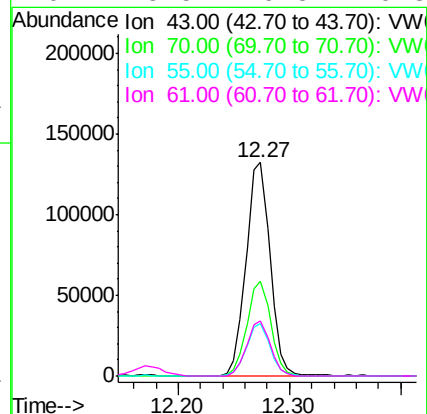
Ion Ratio Lower Upper

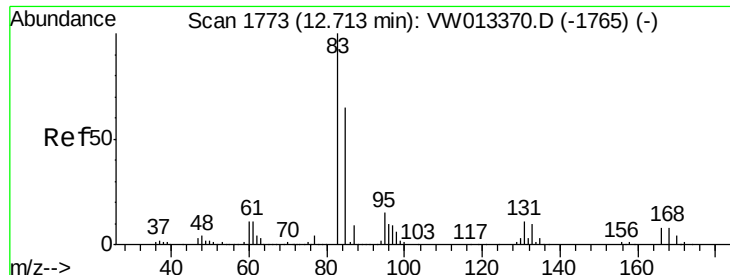
43 100

70 44.2 35.1 52.7

55 24.5 19.9 29.9

61 25.5 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 57.065 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

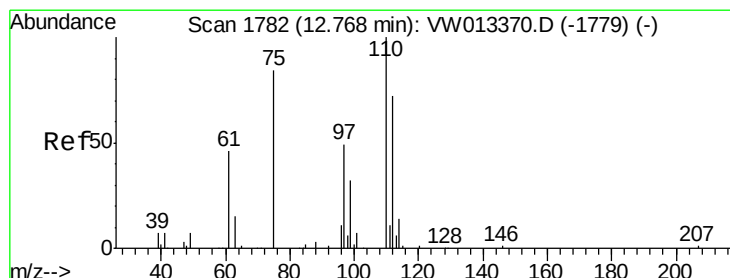
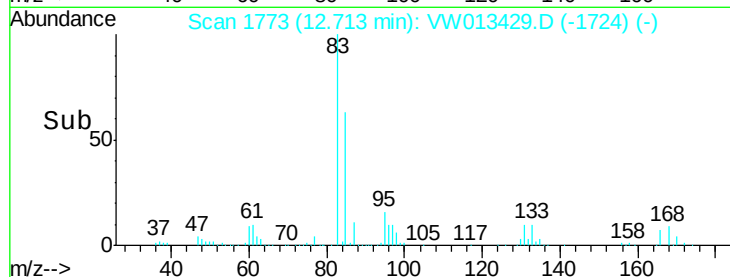
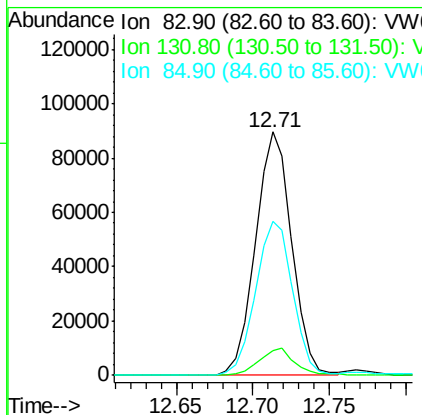
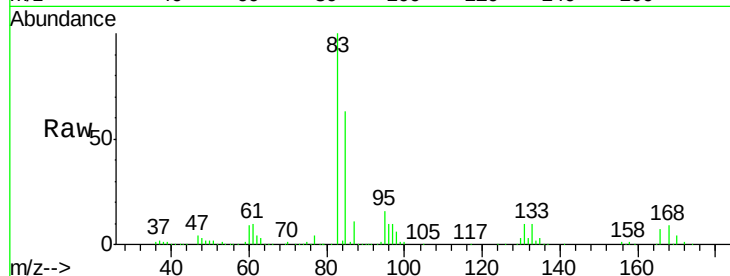
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	147565
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	64.6	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#76

1,2,3-Trichloropropane

Concen: 50.644 ug/l m

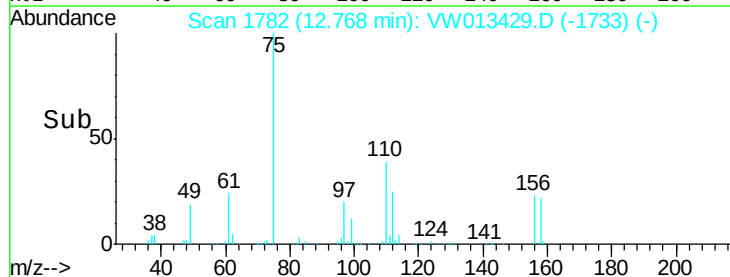
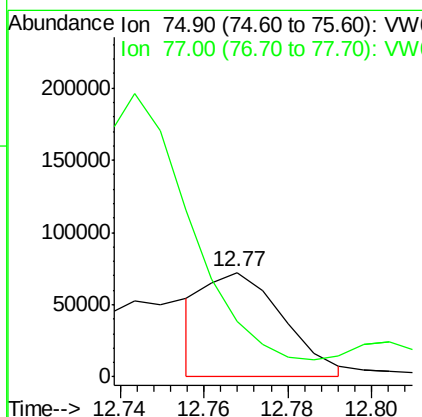
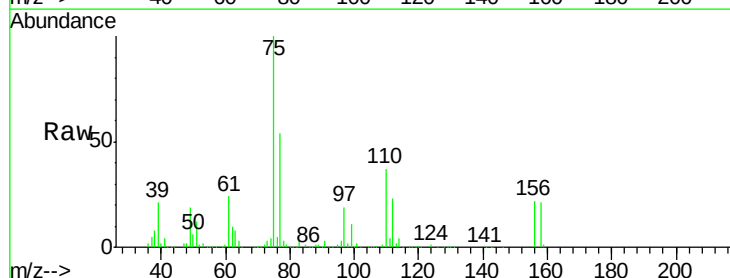
RT: 12.77 min Scan# 1782

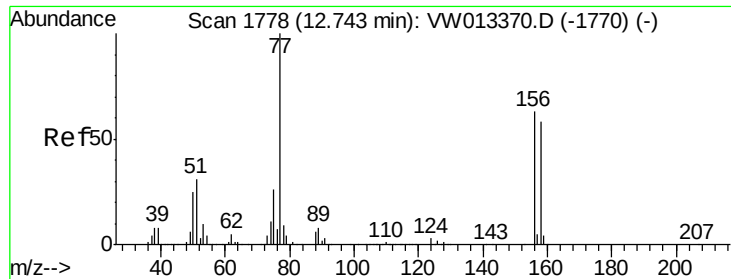
Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	75	Resp:	94011
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





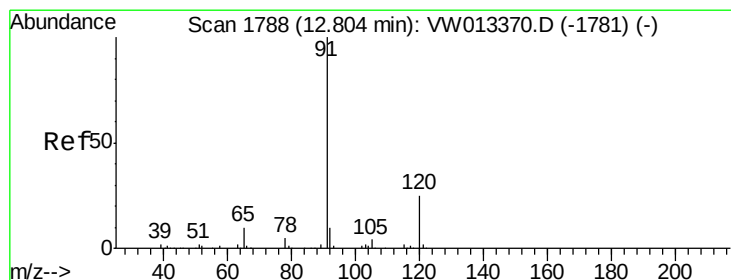
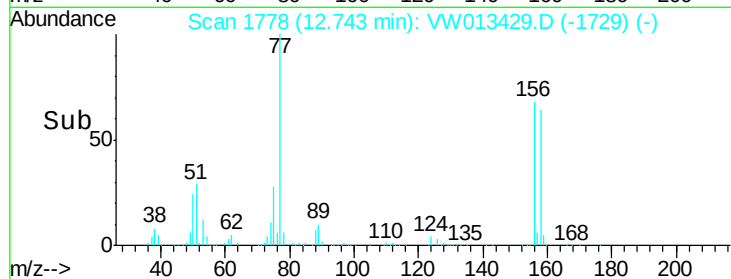
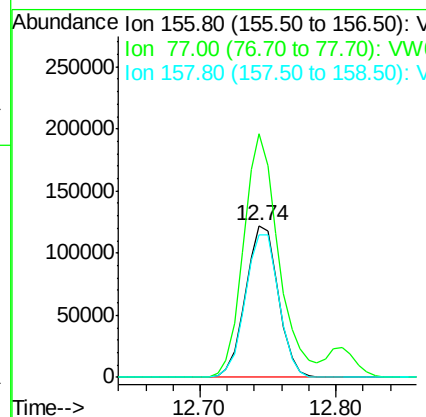
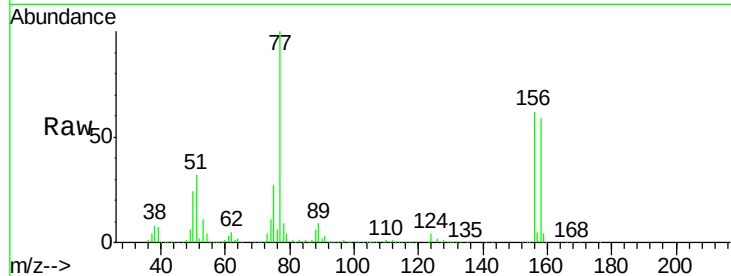
#77
Bromobenzene
Concen: 55.825 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	172.3	85.7	257.1	
158	97.0	48.1	144.4	

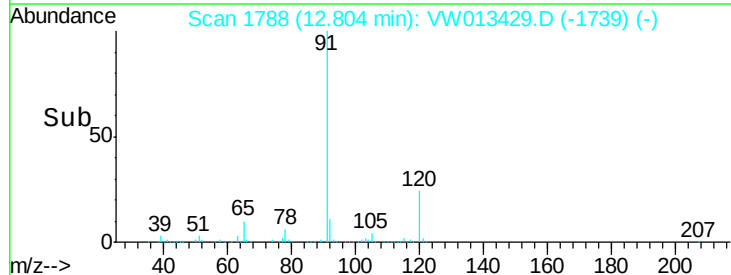
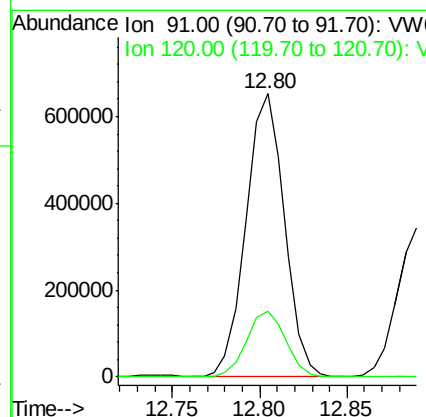
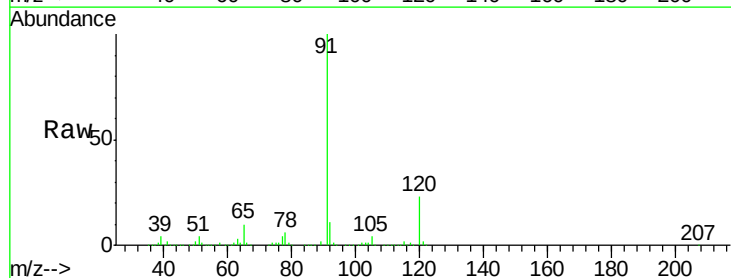
Manual Integrations
APPROVED

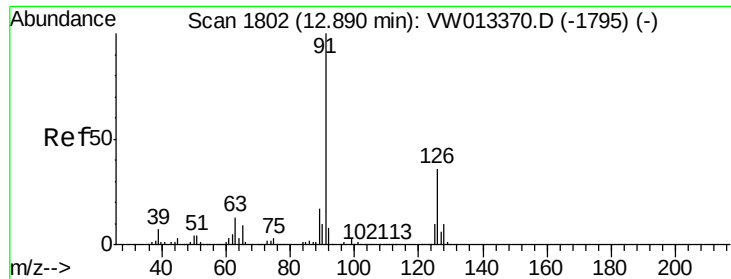
MMDadoda
10/4/2019 12:06:40 PM



#78
n-propylbenzene
Concen: 56.959 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.6	11.7	35.1	





#79

2-Chlorotoluene

Concen: 57.425 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 560528

Ion Ratio Lower Upper

91 100

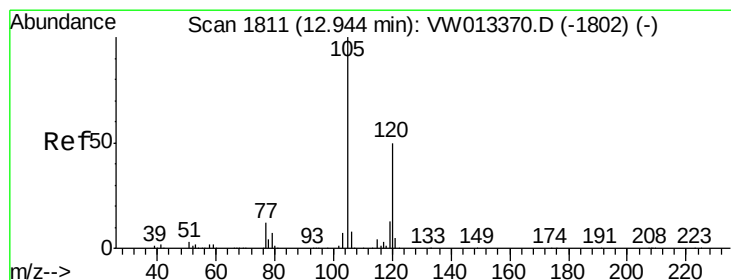
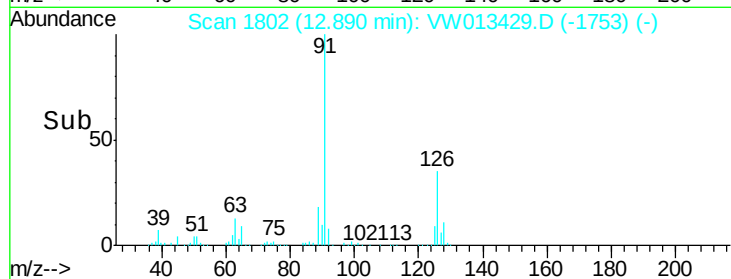
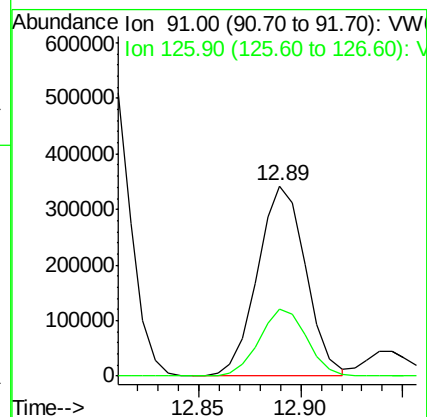
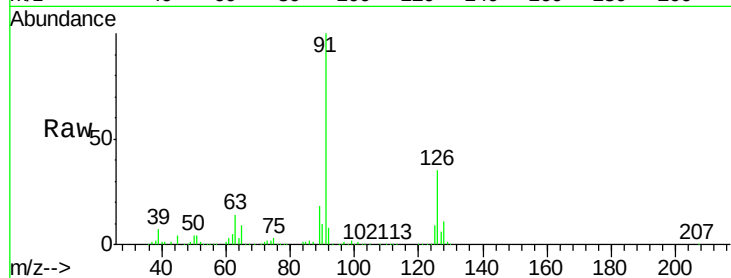
126 35.0 17.2 51.5

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



#80

1,3,5-Trimethylbenzene

Concen: 56.676 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013429.D

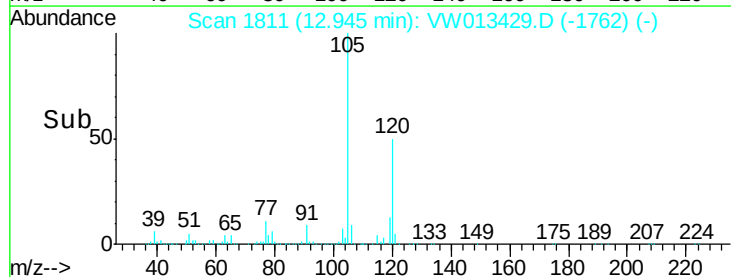
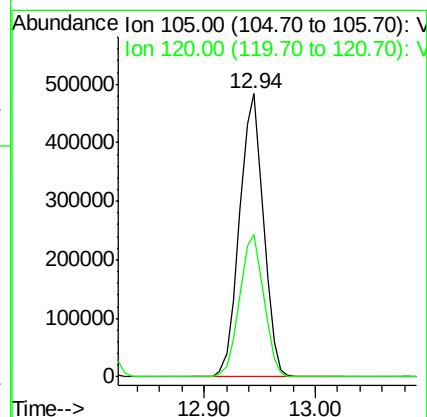
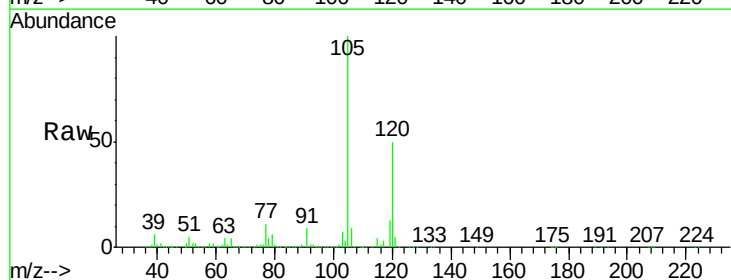
Acq: 03 Oct 2019 19:36

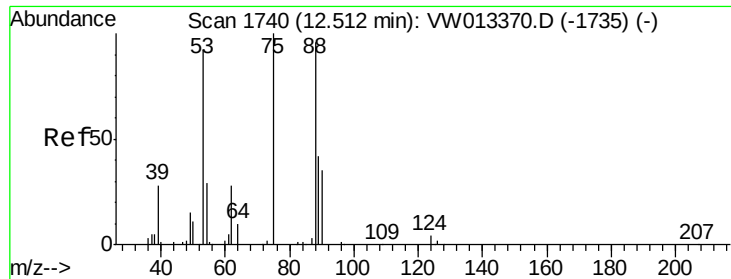
Tgt Ion: 105 Resp: 719290

Ion Ratio Lower Upper

105 100

120 51.0 24.9 74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 56.741 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

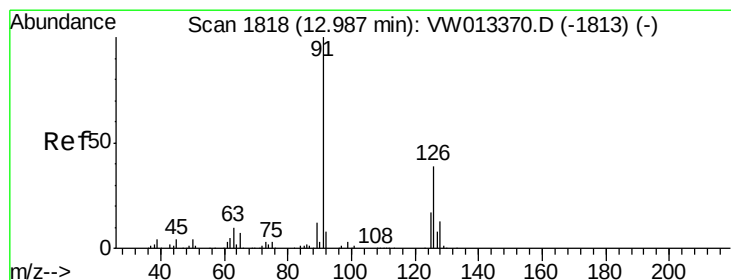
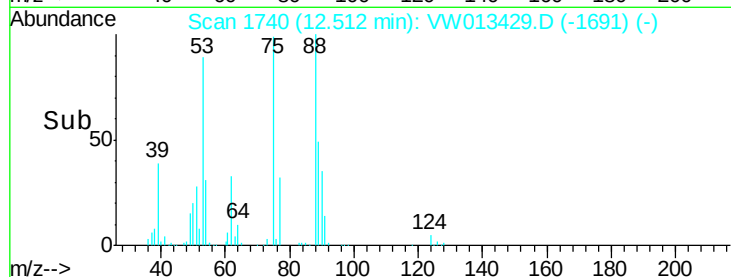
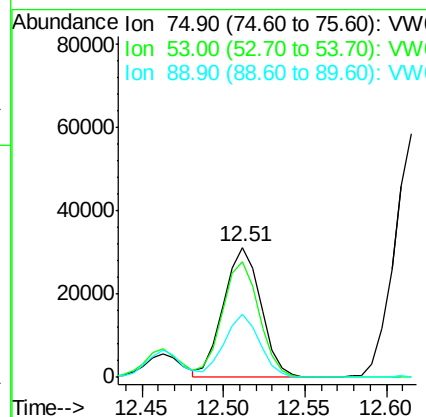
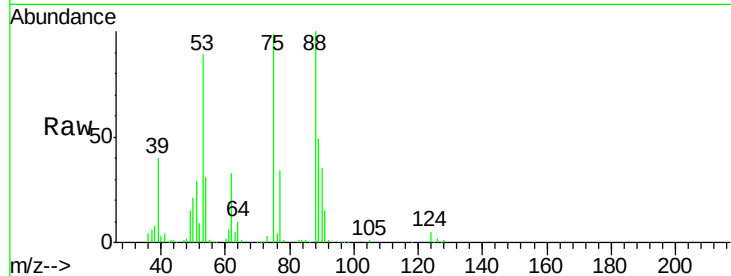
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	50071
Ion Ratio	Lower	Upper	
75	100		
53	88.3	76.6	114.8
89	45.4	33.5	50.3

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#82

4-Chlorotoluene

Concen: 56.887 ug/l

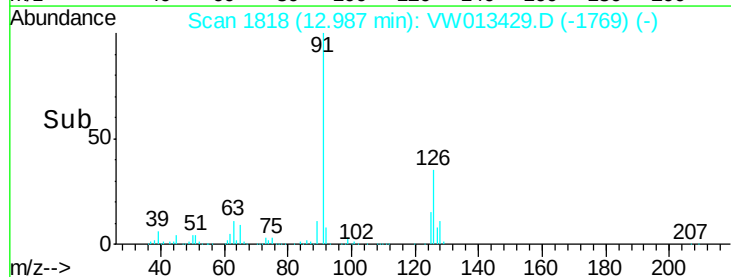
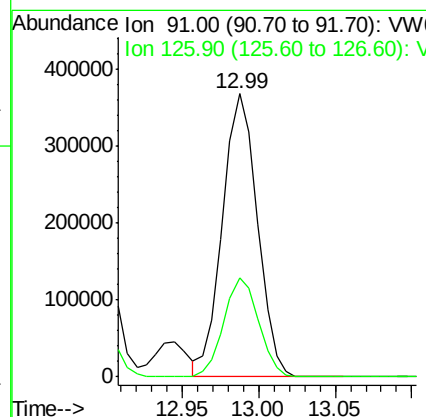
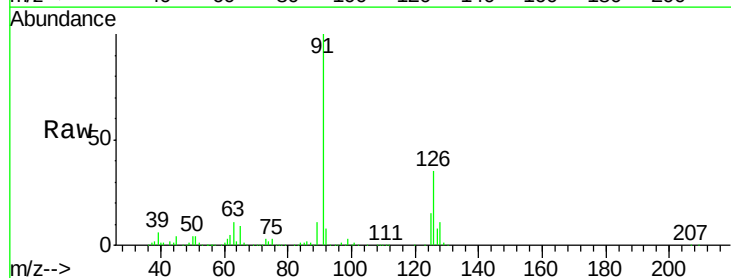
RT: 12.99 min Scan# 1818

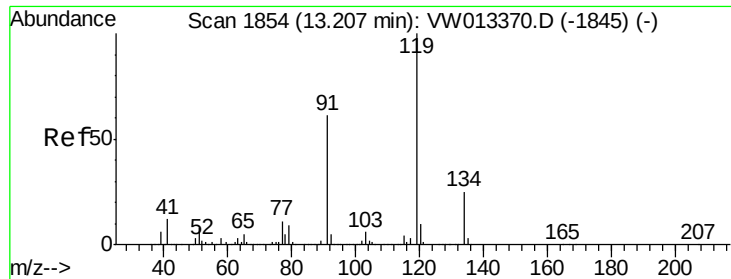
Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	91	Resp:	581665
Ion Ratio	Lower	Upper	
91	100		
126	35.0	17.3	51.7





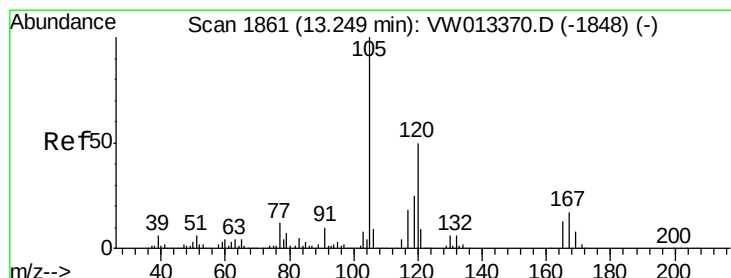
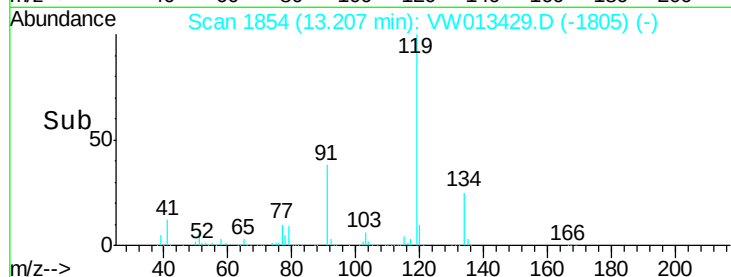
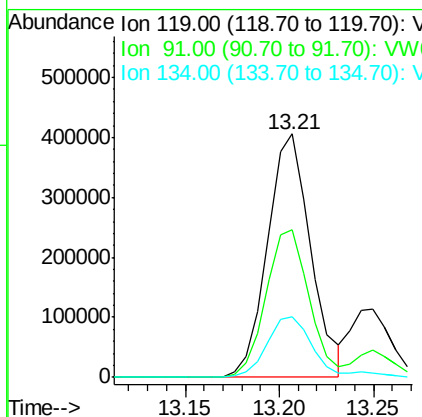
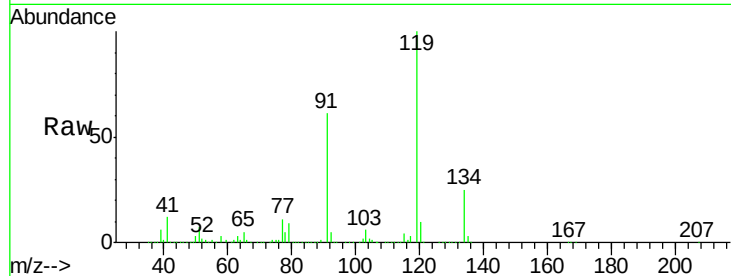
#83
 tert-Butylbenzene
 Concen: 58.300 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.7	92.1
134	27.2	12.6	37.6

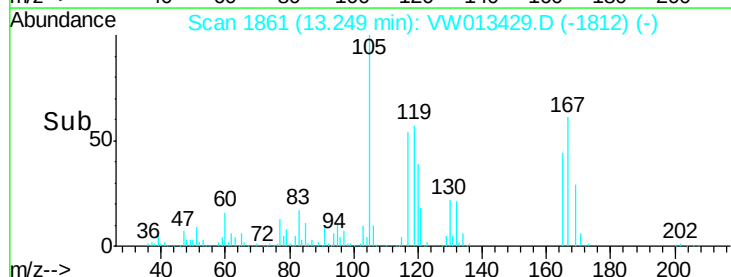
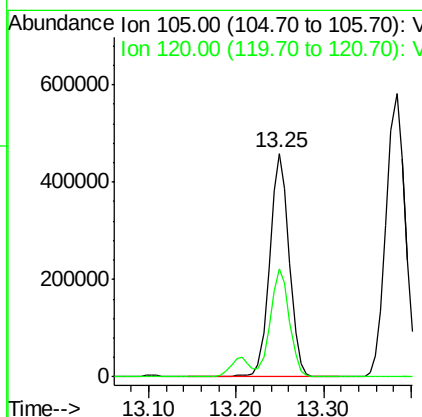
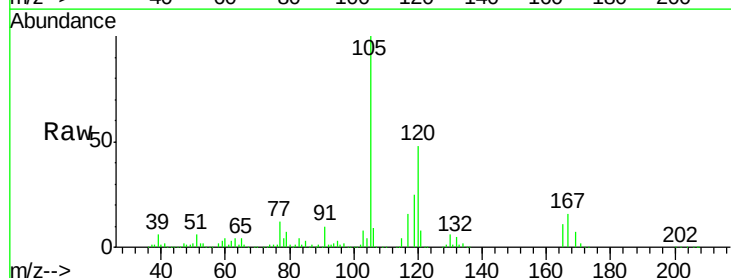
Manual Integrations
 APPROVED

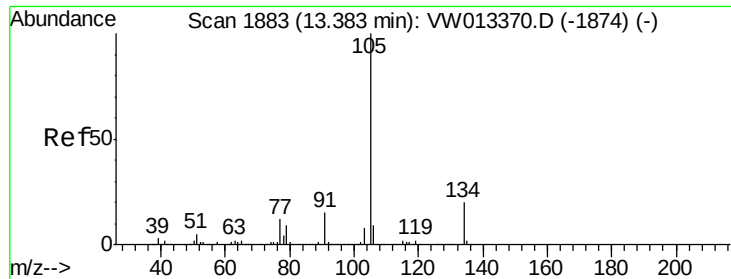
MMDadoda
 10/4/2019 12:06:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.336 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.3





#85

sec-Butylbenzene

Concen: 57.420 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 877598

Ion Ratio Lower Upper

105 100

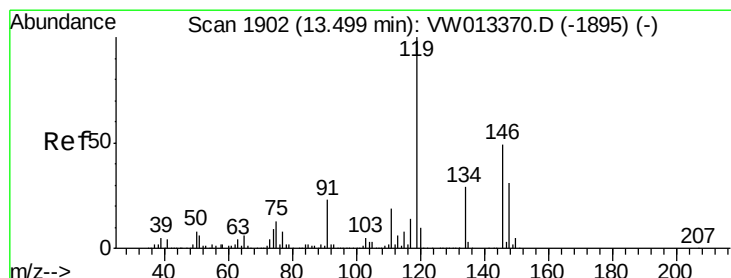
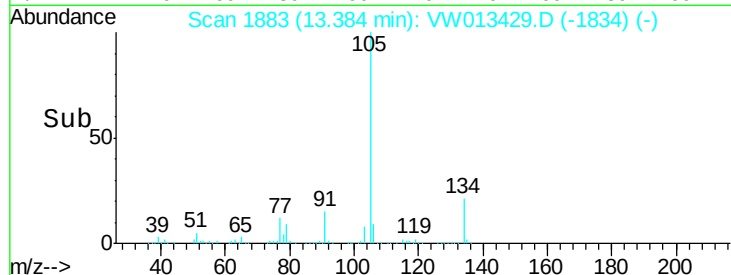
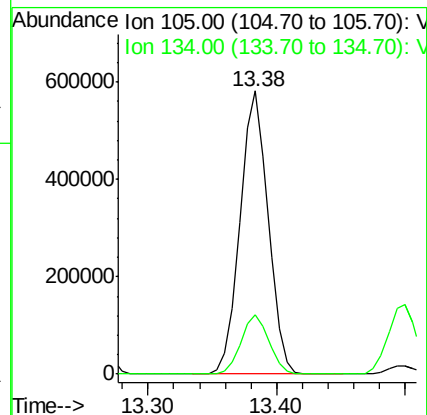
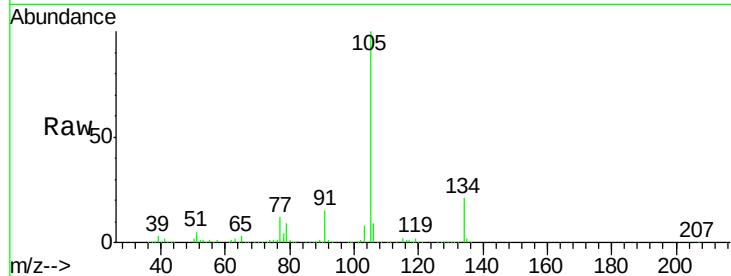
134 20.8 10.3 30.8

Manual Integrations

APPROVED

MMDadoda

10/4/2019 12:06:40 PM



#86

p-Isopropyltoluene

Concen: 57.528 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

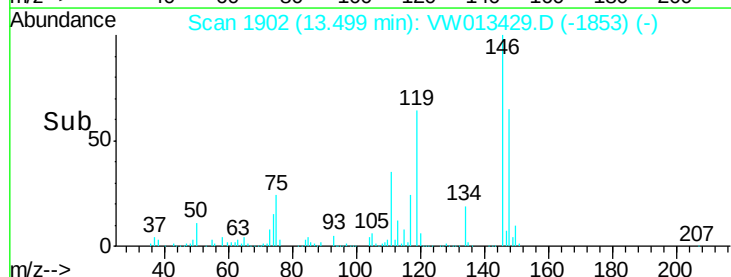
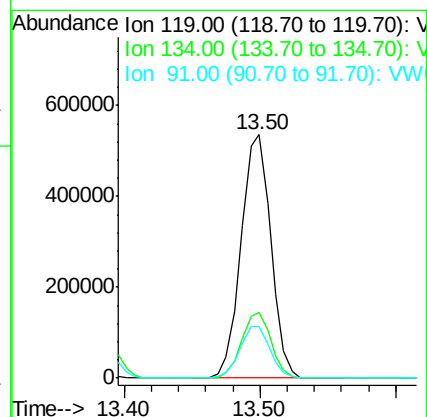
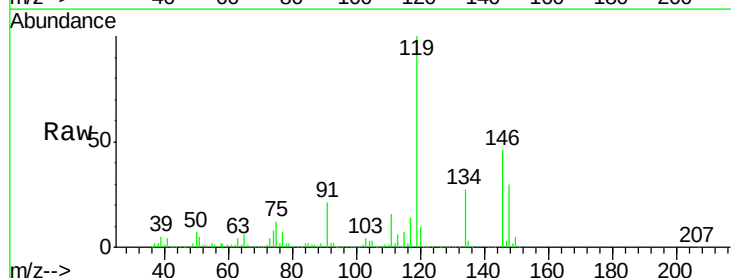
Tgt Ion:119 Resp: 814844

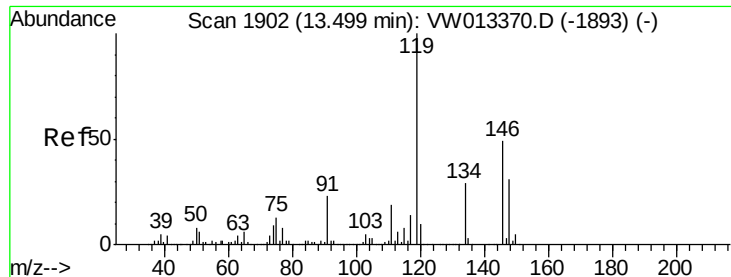
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 21.5 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 57.551 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Instrument :

MSVOA_W

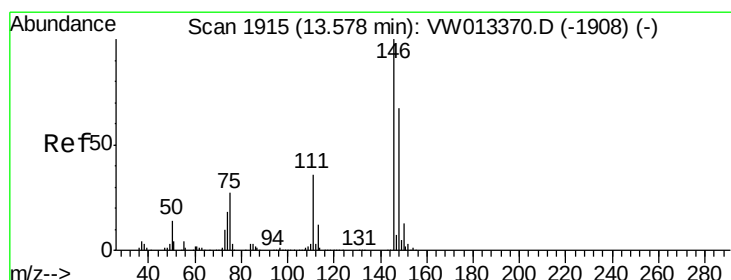
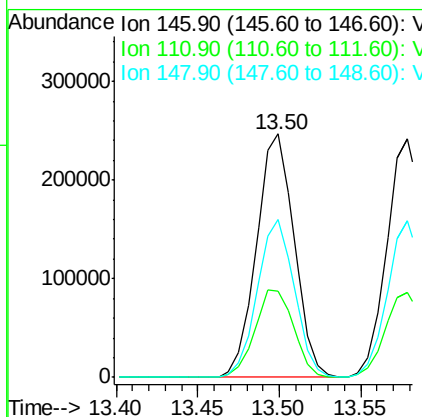
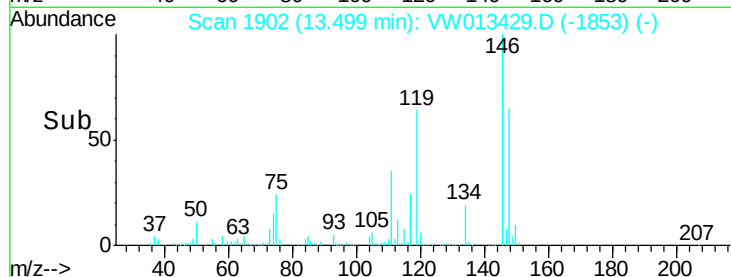
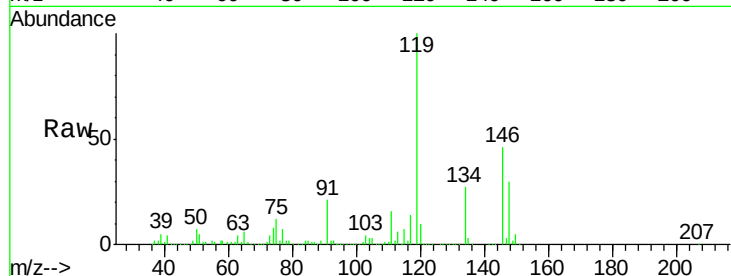
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	397203
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.9	56.9
148	63.7	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#88

1,4-Dichlorobenzene

Concen: 56.193 ug/l

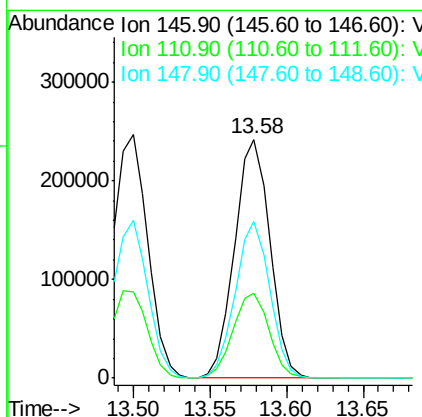
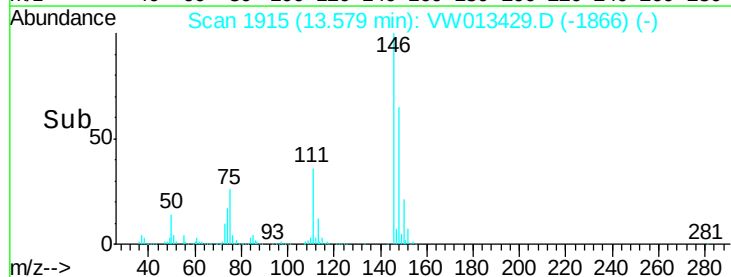
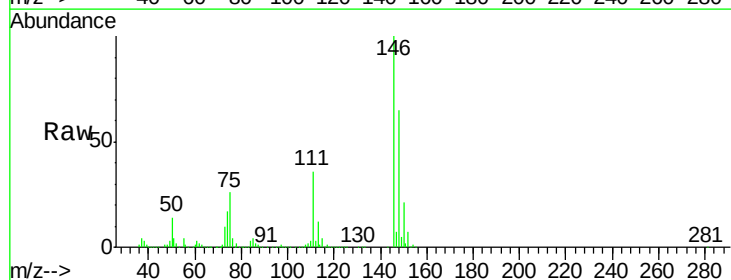
RT: 13.58 min Scan# 1915

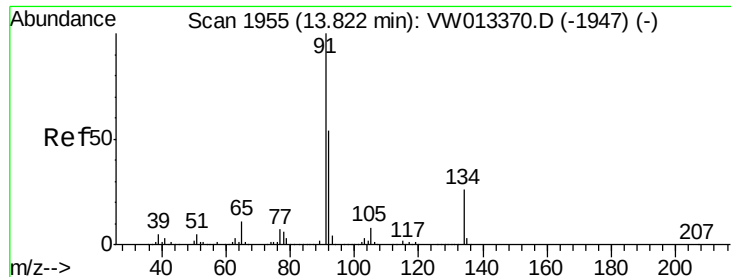
Delta R.T. 0.00 min

Lab File: VW013429.D

Acq: 03 Oct 2019 19:36

Tgt Ion:	146	Resp:	388324
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.4	55.0
148	64.1	32.1	96.3





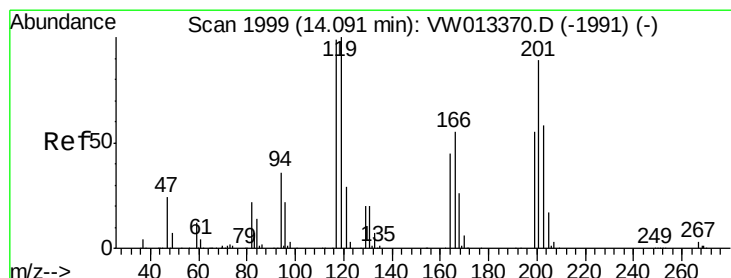
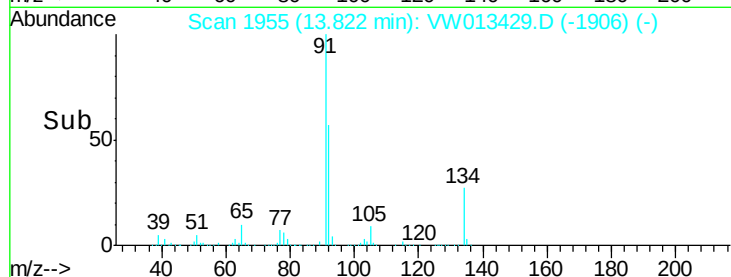
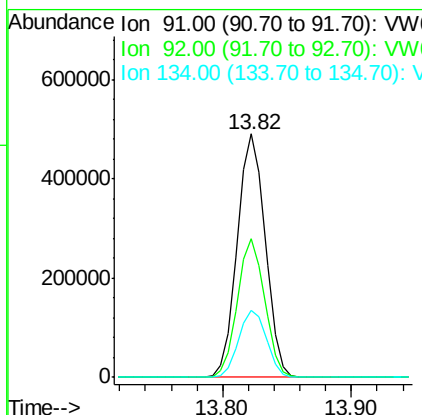
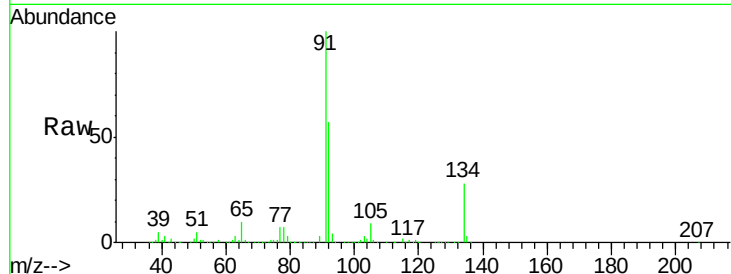
#89
n-Butylbenzene
Concen: 57.976 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.6	82.8
134	27.6	13.7	41.1

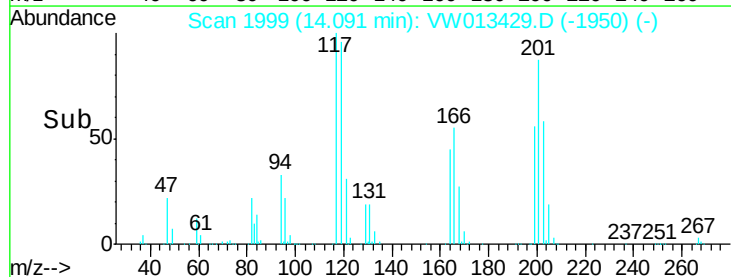
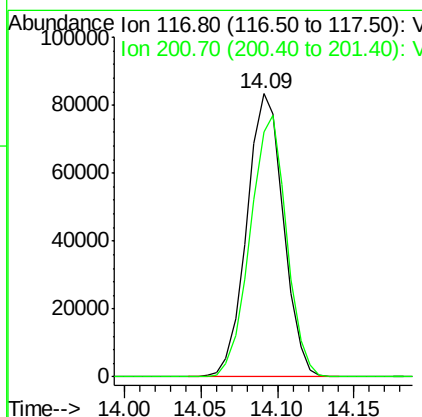
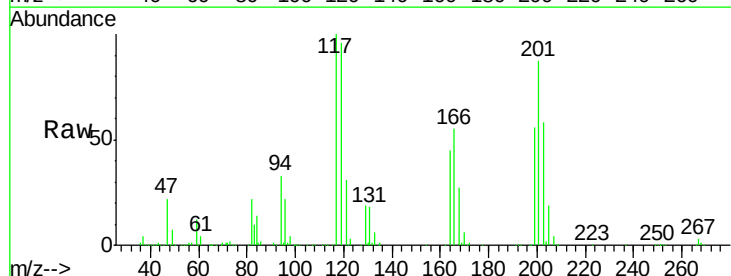
Manual Integrations
APPROVED

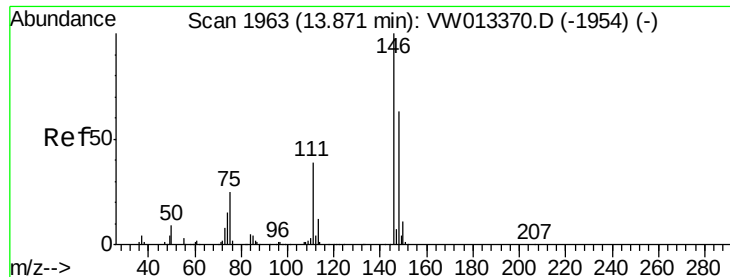
MMDadoda
10/4/2019 12:06:40 PM



#90
Hexachloroethane
Concen: 59.348 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	44.5	133.5





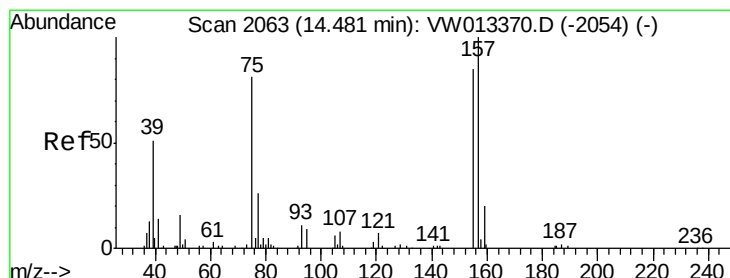
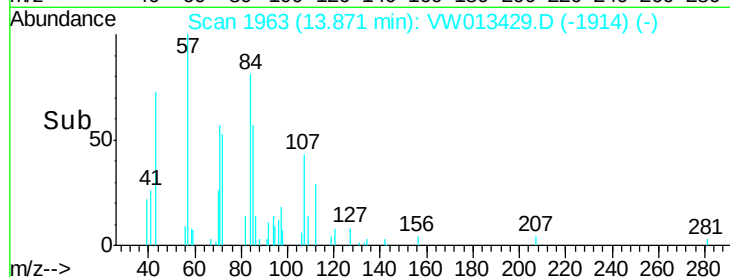
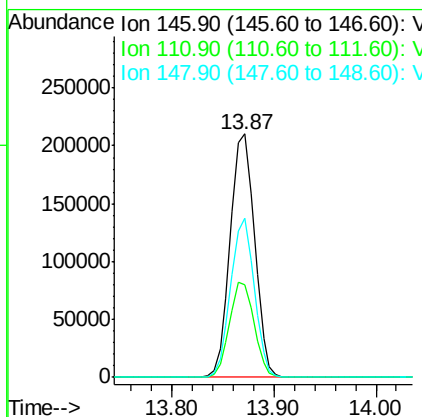
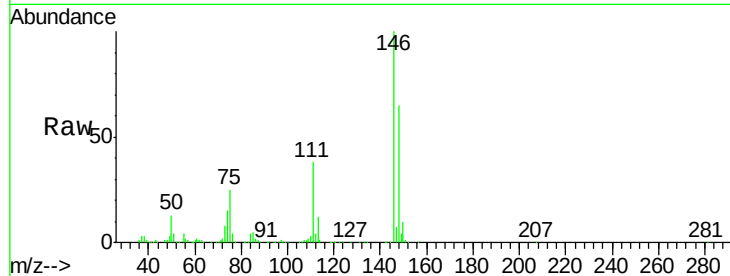
#91
 1,2-Dichlorobenzene
 Concen: 56.929 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.1	60.3
148	63.4	32.0	96.0

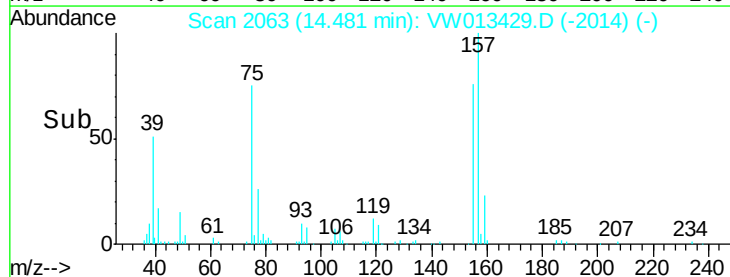
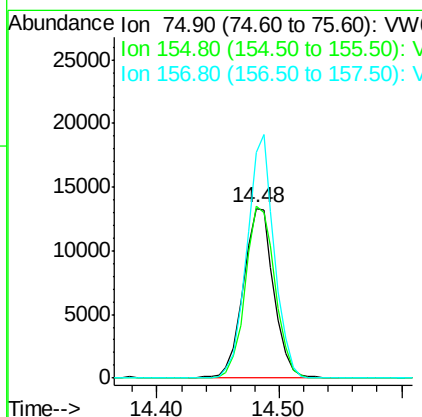
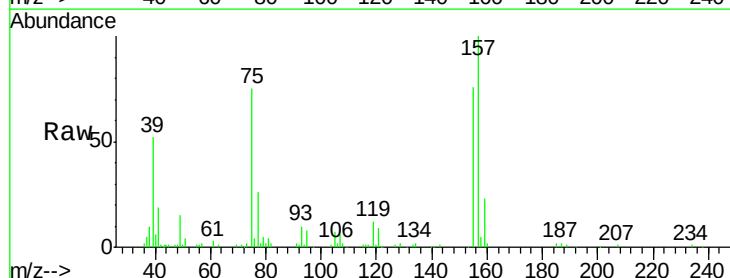
Manual Integrations
 APPROVED

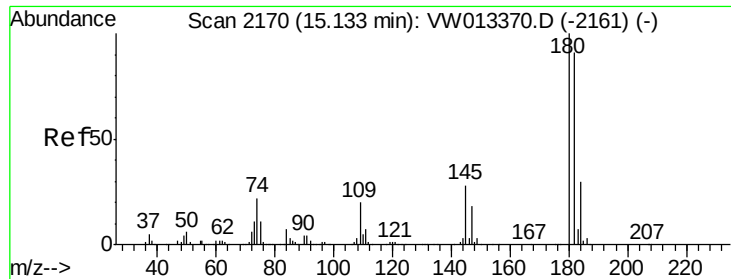
MMDadoda
 10/4/2019 12:06:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.379 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	46.1	138.3
157	129.2	60.4	181.2





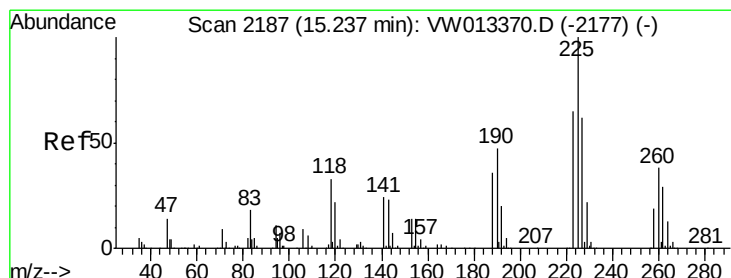
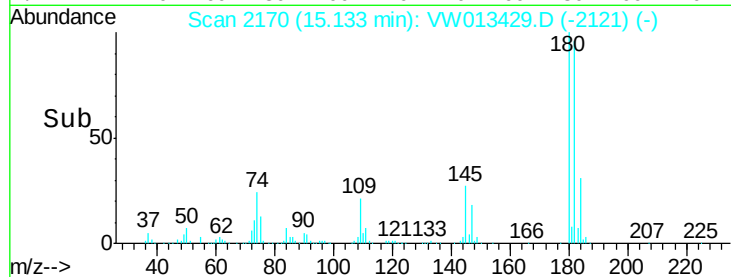
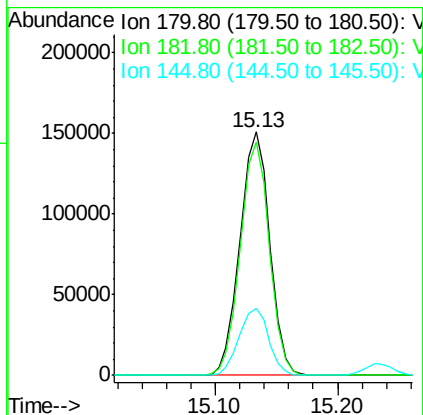
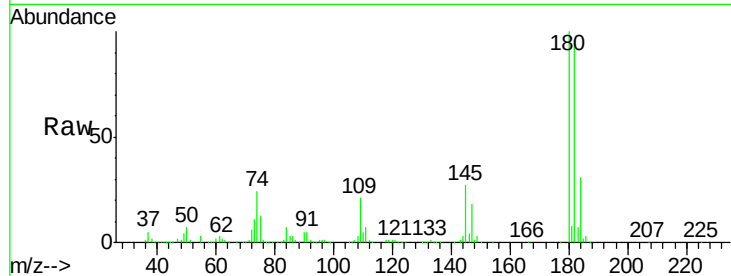
#93
 1,2,4-Trichlorobenzene
 Concen: 58.146 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	254595		
182	93.9	47.3	142.0	
145	27.6	14.2	42.8	

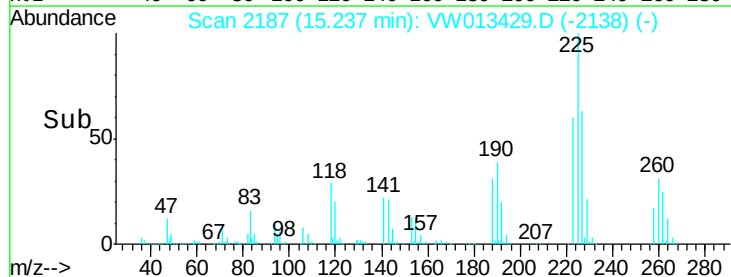
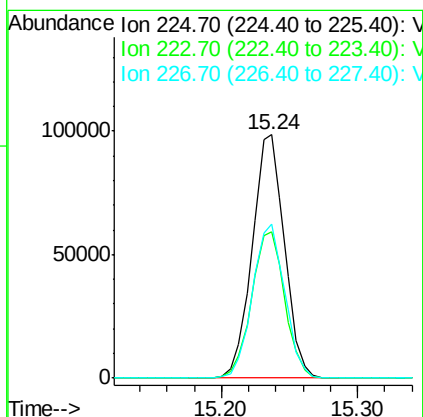
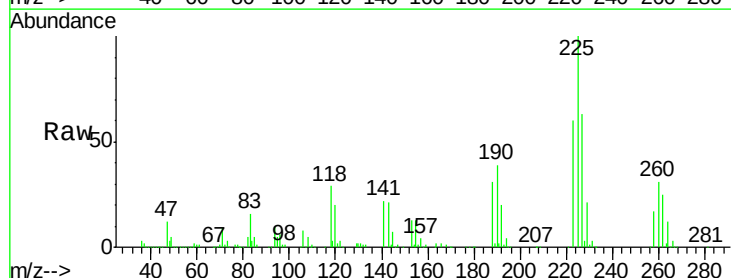
Manual Integrations
 APPROVED

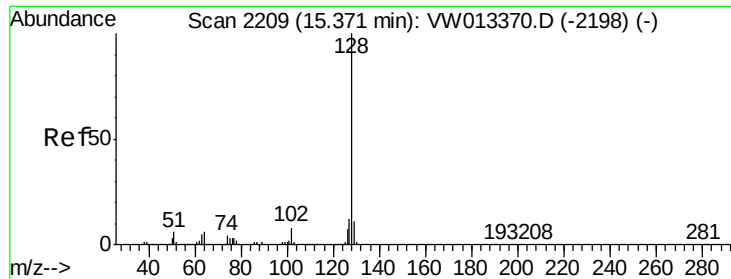
MMDadoda
 10/4/2019 12:06:40 PM



#94
 Hexachlorobutadiene
 Concen: 57.524 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013429.D
 Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163618		
223	61.5	30.6	91.8	
227	63.7	31.9	95.9	





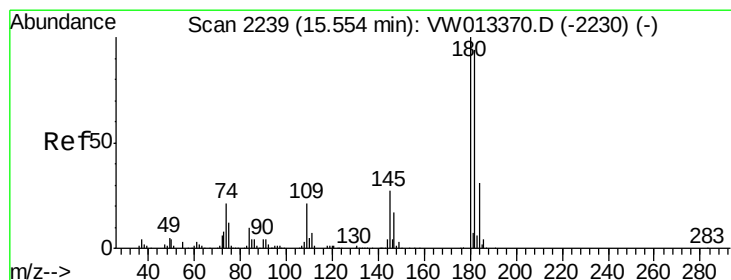
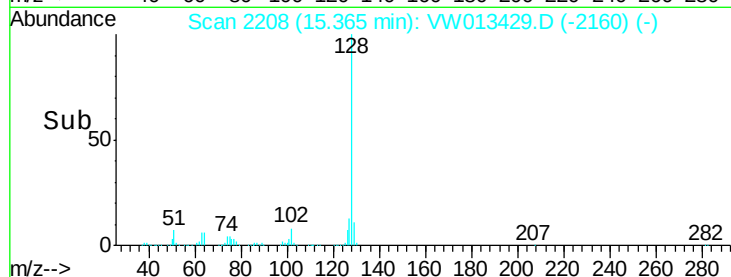
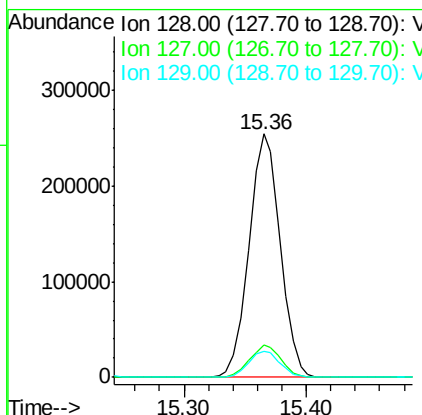
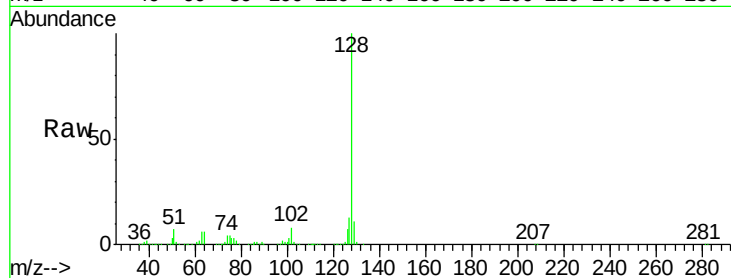
#95
Naphthalene
Concen: 61.089 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	451215		
127	13.3	10.6	15.8	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:06:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.084 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013429.D
Acq: 03 Oct 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	218227		
182	96.3	47.9	143.7	
145	30.4	15.0	45.0	

