

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100419\
 Data File : VW013450.D
 Acq On : 04 Oct 2019 20:03
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 11:47:51 AM

Quant Time: Oct 05 07:09:46 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	338460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	125821	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	7.88	113	123656	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	10.32	98	518226	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.62	95	177569	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	50234	38.373	ug/l	99
3) Chloromethane	2.21	50	95421	44.171	ug/l	97
4) Vinyl Chloride	2.36	62	146587	47.813	ug/l	99
5) Bromomethane	2.76	94	83939	44.563	ug/l	95
6) Chloroethane	2.91	64	78638	44.420	ug/l	96
7) Trichlorofluoromethane	3.25	101	70235	52.804	ug/l	97
8) Diethyl Ether	3.68	74	76703	49.823	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	144606	49.037	ug/l	99
10) Methyl Iodide	4.27	142	224542	47.150	ug/l	99
11) Tert butyl alcohol	5.19	59	59680	287.876	ug/l	97
12) 1,1-Dichloroethene	4.04	96	150128	48.185	ug/l	93
13) Acrolein	3.89	56	48609	192.767	ug/l	97
14) Allyl chloride	4.66	41	234817	50.946	ug/l	98
15) Acrylonitrile	5.37	53	193422	277.925	ug/l	99
16) Acetone	4.12	43	165267	213.349	ug/l	98
17) Carbon Disulfide	4.38	76	417094	47.986	ug/l	99
18) Methyl Acetate	4.67	43	97185	53.603	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	244051	53.221	ug/l	98
20) Methylene Chloride	4.91	84	156770	48.421	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	160286	48.308	ug/l	97
22) Diisopropyl ether	6.31	45	450561	50.619	ug/l	98
23) Vinyl Acetate	6.25	43	1422012	266.244	ug/l	99
24) 1,1-Dichloroethane	6.21	63	261627	48.257	ug/l	98
25) 2-Butanone	7.17	43	247101	249.295	ug/l	94
26) 2,2-Dichloropropane	7.17	77	158307	50.484	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	171539	49.391	ug/l	97
28) Bromochloromethane	7.51	49	103680	52.893	ug/l	96
29) Tetrahydrofuran	7.53	42	162969	281.409	ug/l	99
30) Chloroform	7.67	83	254624	47.897	ug/l	98
31) Cyclohexane	7.95	56	275420	47.636	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	209673	50.344	ug/l	98
36) 1,1-Dichloropropene	8.08	75	220803	49.645	ug/l	99
37) Ethyl Acetate	7.25	43	111200	56.630	ug/l	99
38) Carbon Tetrachloride	8.07	117	194254	50.420	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100419\
 Data File : VW013450.D
 Acq On : 04 Oct 2019 20:03
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 11:47:51 AM

Quant Time: Oct 05 07:09:46 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	297277	50.752	ug/l	99
40) Benzene	8.32	78	623212	49.500	ug/l	98
41) Methacrylonitrile	7.48	41	65360	55.225	ug/l	97
42) 1,2-Dichloroethane	8.40	62	165536	51.156	ug/l	97
43) Isopropyl Acetate	8.42	43	208173	56.348	ug/l	98
44) Trichloroethene	9.09	130	177201	49.980	ug/l	94
45) 1,2-Dichloropropane	9.37	63	151941	50.263	ug/l	98
46) Dibromomethane	9.46	93	76784	50.996	ug/l	95
47) Bromodichloromethane	9.64	83	188063	50.738	ug/l	97
48) Methyl methacrylate	9.43	41	104476	58.856	ug/l	95
49) 1,4-Dioxane	9.46	88	28041	1212.081	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	540359	278.389	ug/l	99
52) Toluene	10.38	92	403873	49.734	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	201706	52.317	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	242823	51.947	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	117191	52.175	ug/l	98
56) Ethyl methacrylate	10.65	69	168132	55.613	ug/l	98
57) 1,3-Dichloropropane	10.93	76	204065	52.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	368509	296.733	ug/l	99
59) 2-Hexanone	10.97	43	375536	279.130	ug/l	99
60) Dibromochloromethane	11.13	129	137880	53.658	ug/l	98
61) 1,2-Dibromoethane	11.23	107	116768	53.799	ug/l	99
64) Tetrachloroethene	10.86	164	159428	50.865	ug/l	98
65) Chlorobenzene	11.66	112	423403	50.165	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	150679	52.415	ug/l	98
67) Ethyl Benzene	11.73	91	768150	50.780	ug/l	99
68) m/p-Xylenes	11.84	106	589760	101.006	ug/l	99
69) o-Xylene	12.16	106	272802	50.533	ug/l	97
70) Styrene	12.18	104	474627	51.431	ug/l	99
71) Bromoform	12.35	173	85566	54.900	ug/l #	99
73) Isopropylbenzene	12.46	105	776395	50.644	ug/l	100
74) N-amyl acetate	12.27	43	185208	56.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	141815	54.654	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	89837m	48.230	ug/l	
77) Bromobenzene	12.74	156	180887	49.139	ug/l	98
78) n-propylbenzene	12.80	91	889825	50.460	ug/l	99
79) 2-Chlorotoluene	12.89	91	496216	50.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	631906	49.620	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	48109	54.509	ug/l	94
82) 4-Chlorotoluene	12.99	91	515645	50.257	ug/l	100
83) tert-Butylbenzene	13.21	119	572462	51.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	632395	49.953	ug/l	99
85) sec-Butylbenzene	13.38	105	792259	51.659	ug/l	100
86) p-Isopropyltoluene	13.50	119	728003	51.221	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	346230	49.994	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	333693	48.123	ug/l	99
89) n-Butylbenzene	13.82	91	663496	51.780	ug/l	100
90) Hexachloroethane	14.09	117	122335	52.099	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	305129	49.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22657	58.377	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
Data File : VW013450.D
Acq On : 04 Oct 2019 20:03
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

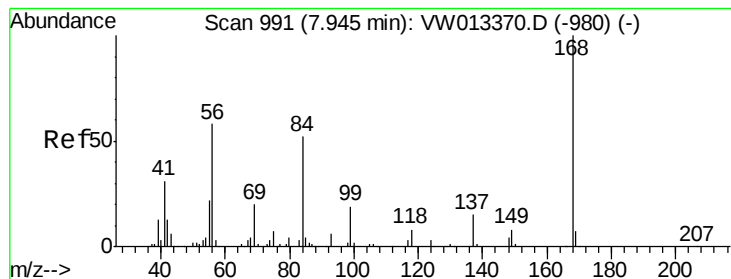
Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM

Quant Time: Oct 05 07:09:46 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	227779	51.843	ug/l	98
94) Hexachlorobutadiene	15.23	225	147760	51.771	ug/l	98
95) Naphthalene	15.36	128	434411	58.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	201307	52.478	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: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 338460

Ion Ratio Lower Upper

168 100

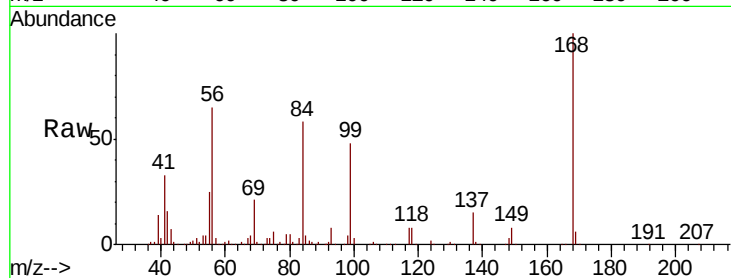
99 48.3 40.2 60.4

Manual Integrations

APPROVED

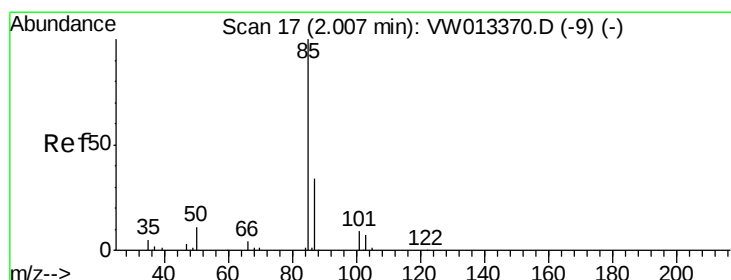
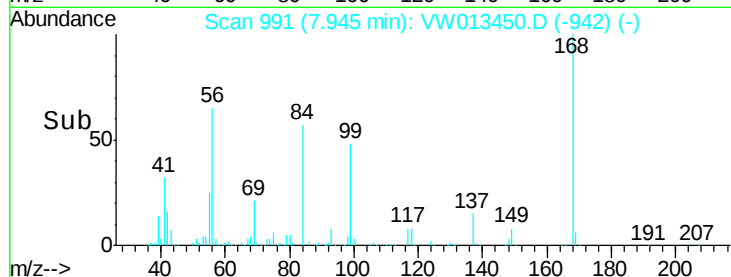
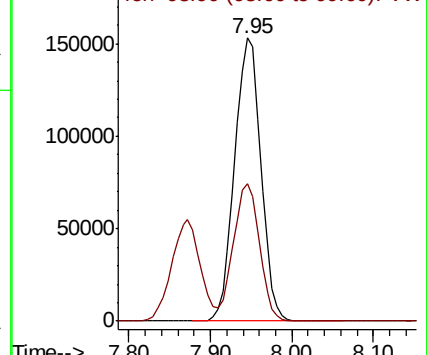
MMDadoda

10/9/2019 11:47:51 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 38.373 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013450.D

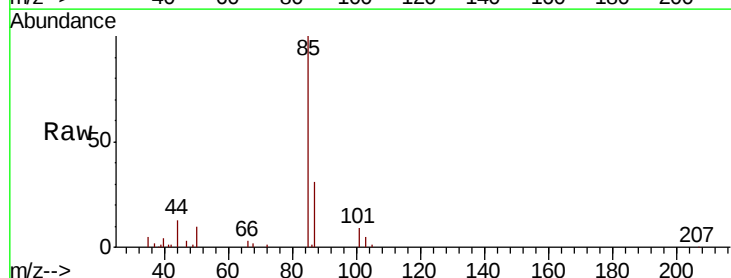
Acq: 04 Oct 2019 20:03

Tgt Ion: 85 Resp: 50234

Ion Ratio Lower Upper

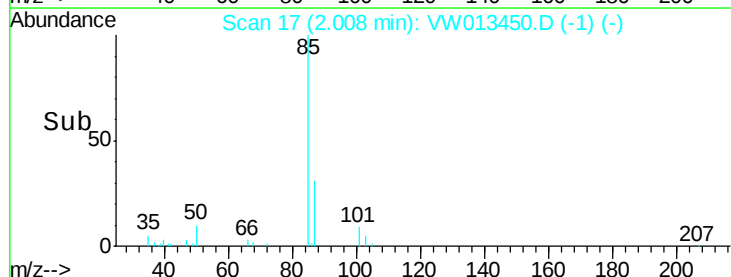
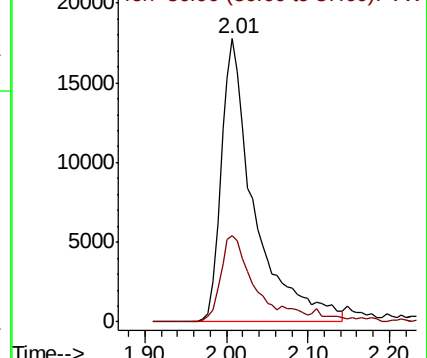
85 100

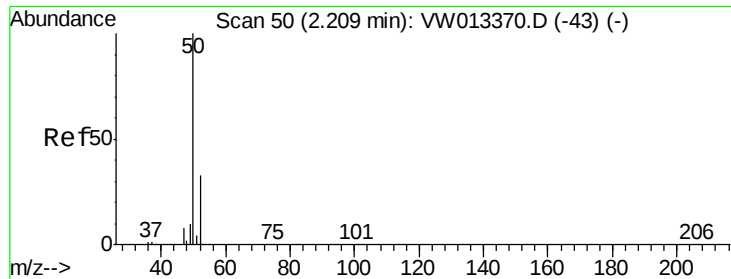
87 30.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 44.171 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 95421

Ion Ratio Lower Upper

50 100

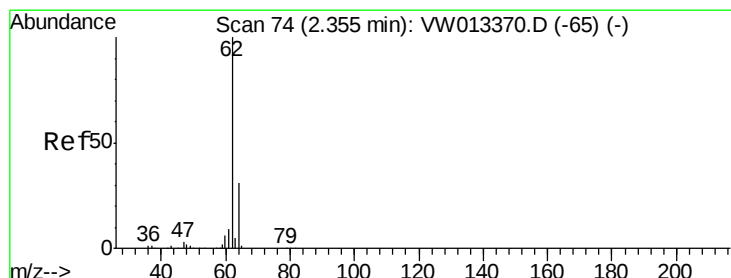
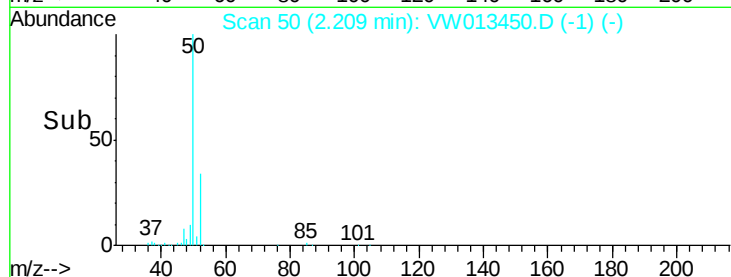
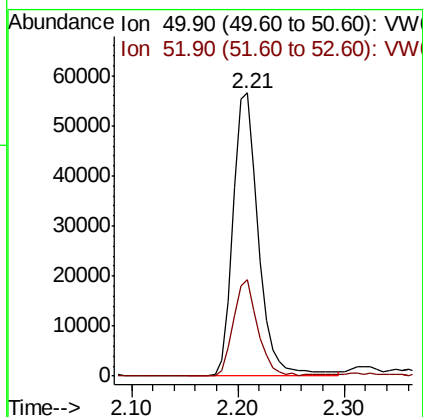
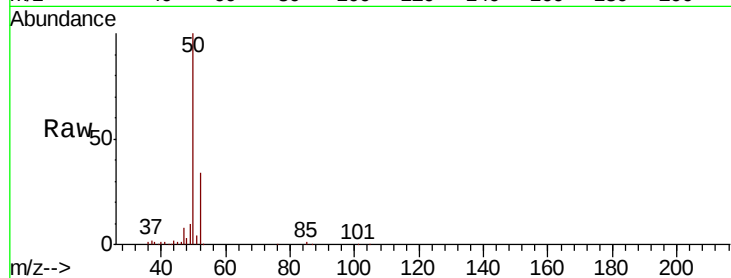
52 34.0 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

10/9/2019 11:47:51 AM



#4

Vinyl Chloride

Concen: 47.813 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013450.D

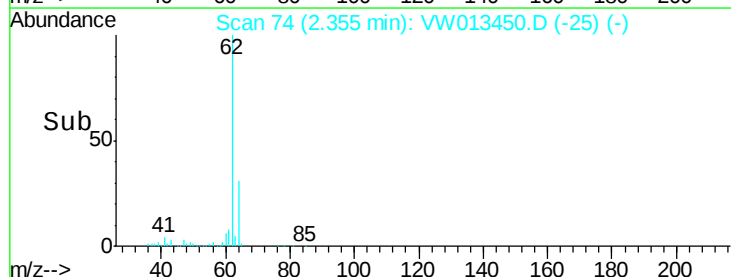
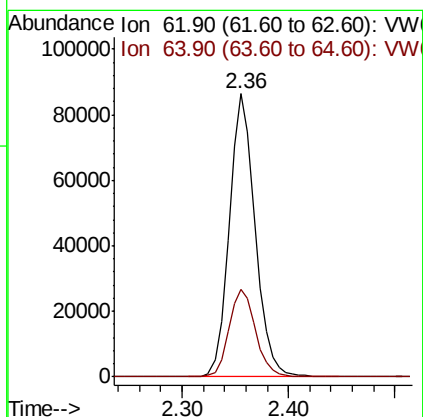
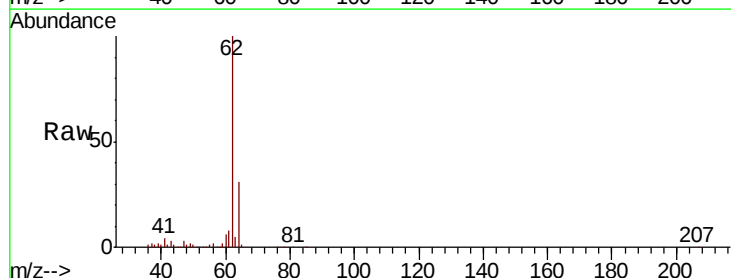
Acq: 04 Oct 2019 20:03

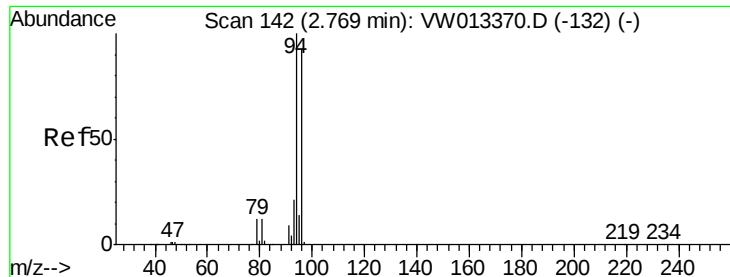
Tgt Ion: 62 Resp: 146587

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 44.563 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 83939

Ion Ratio Lower Upper

94 100

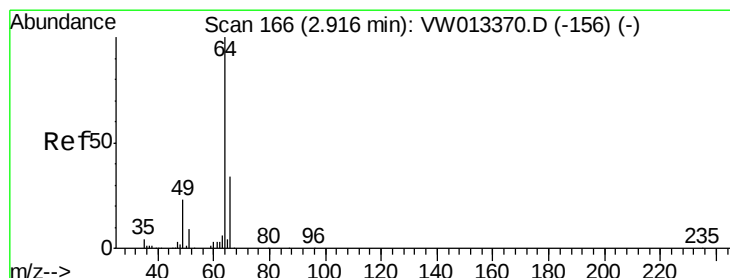
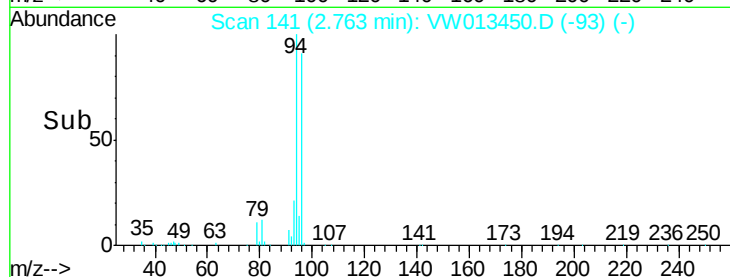
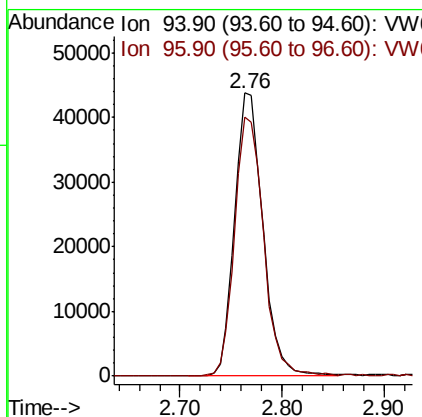
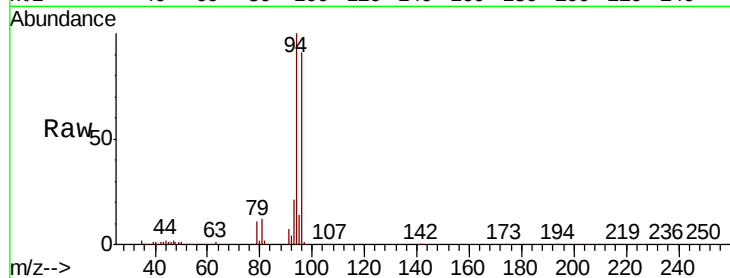
96 91.5 69.7 104.5

Manual Integrations

APPROVED

MMDadoda

10/9/2019 11:47:51 AM



#6

Chloroethane

Concen: 44.420 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013450.D

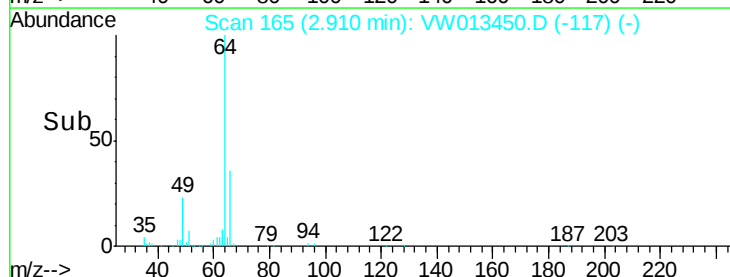
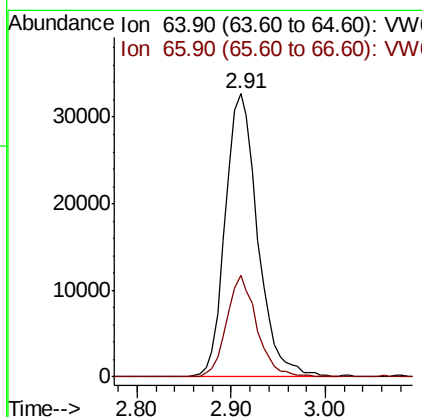
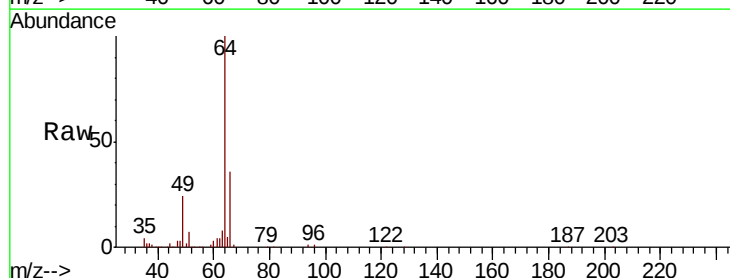
Acq: 04 Oct 2019 20:03

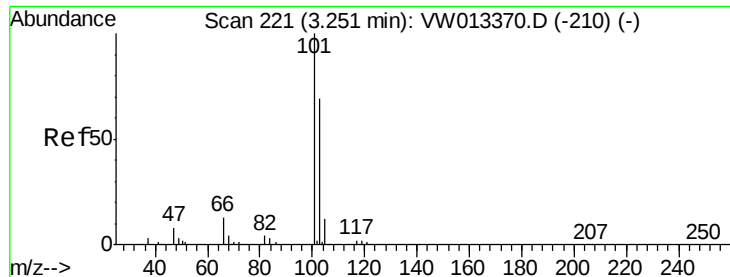
Tgt Ion: 64 Resp: 78638

Ion Ratio Lower Upper

64 100

66 35.7 26.6 39.8





#7

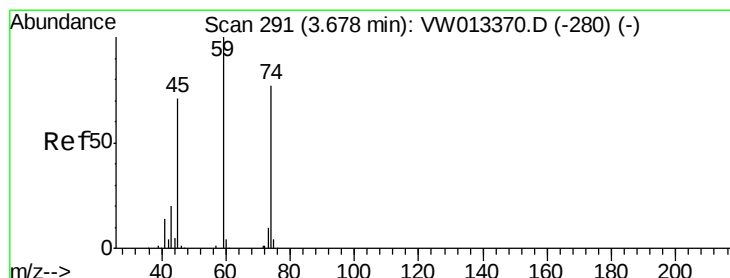
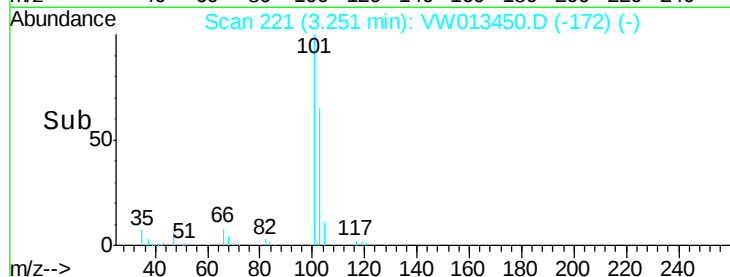
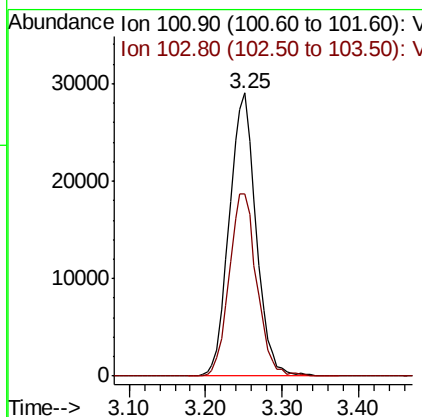
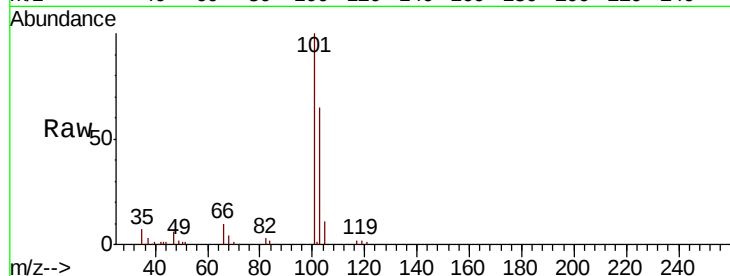
Trichlorofluoromethane
Concen: 52.804 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	49.7	74.5

Manual Integrations
APPROVED

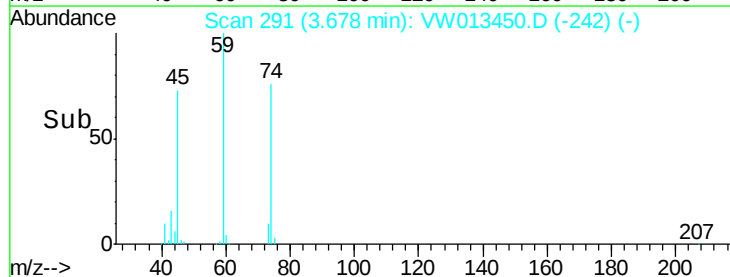
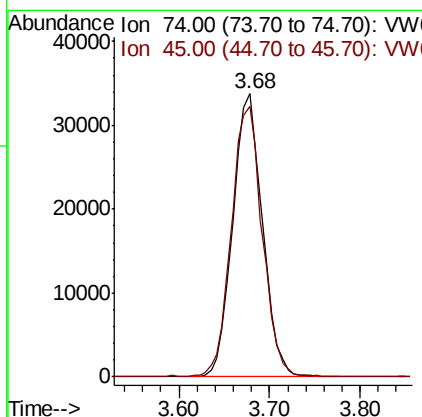
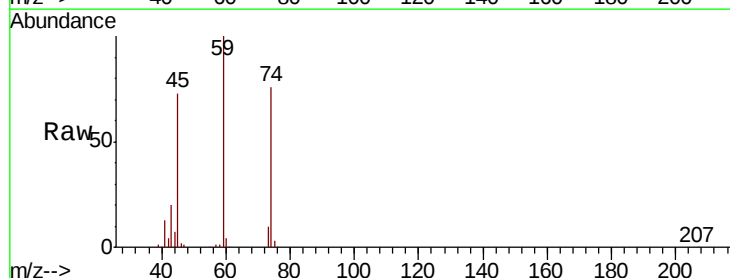
MMDadoda
10/9/2019 11:47:51 AM

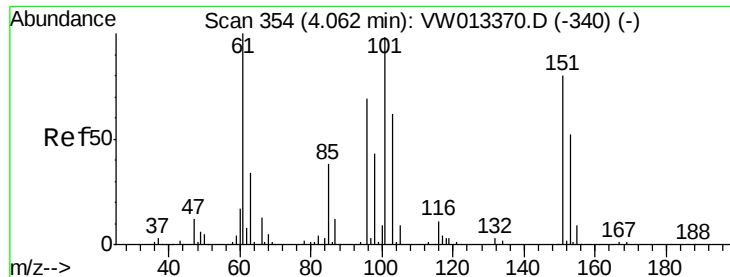


#8

Diethyl Ether
Concen: 49.823 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.037 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

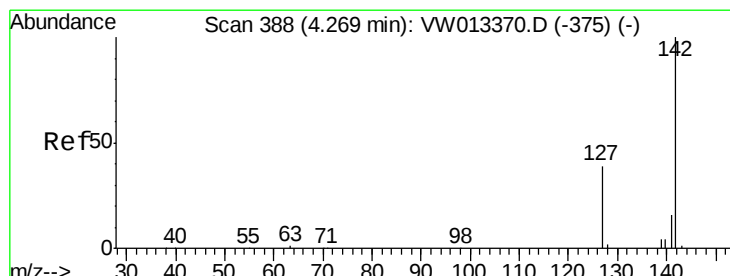
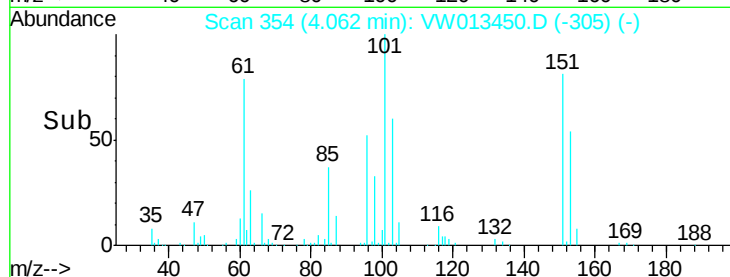
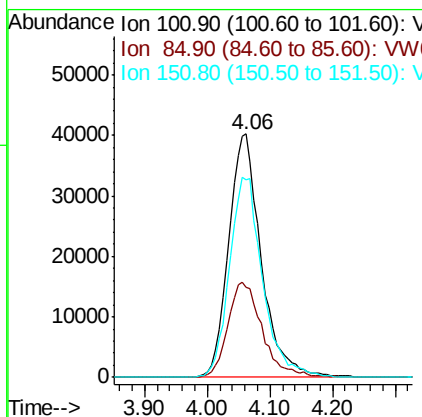
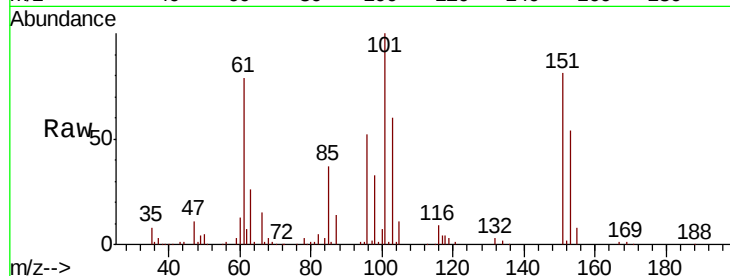
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	144606
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.4	50.0
151	83.9	66.9	100.3

Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM



#10

Methyl Iodide

Concen: 47.150 ug/l

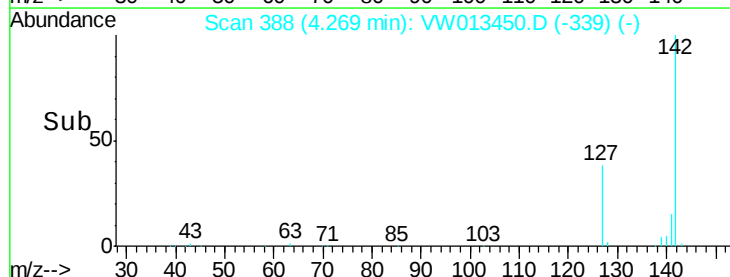
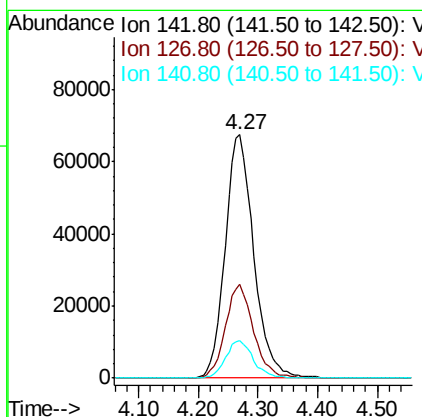
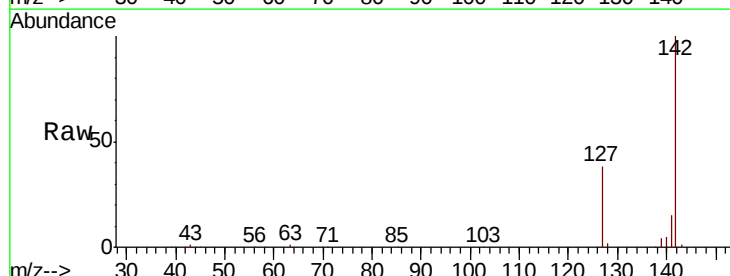
RT: 4.27 min Scan# 388

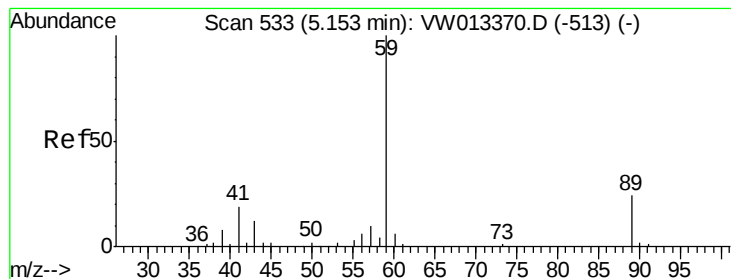
Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion:	142	Resp:	224542
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.9	46.3
141	15.1	11.7	17.5





#11

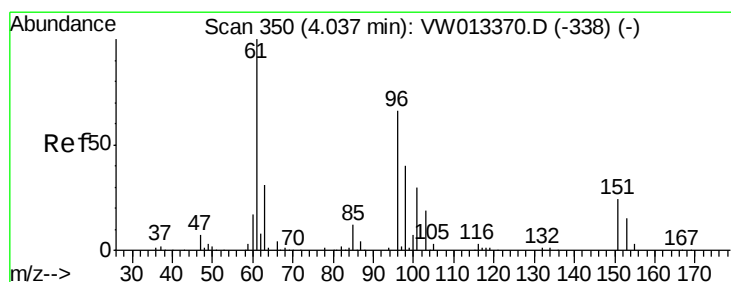
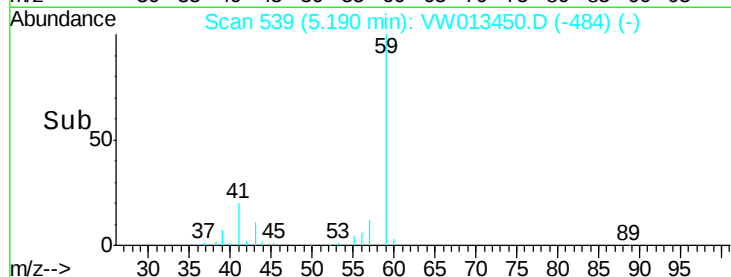
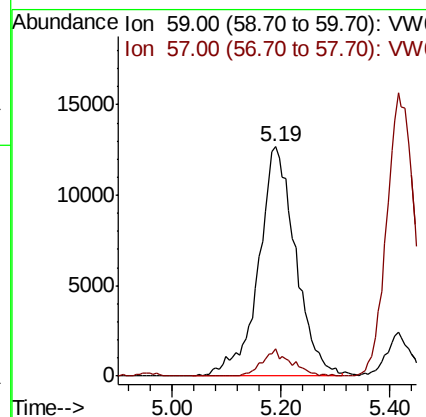
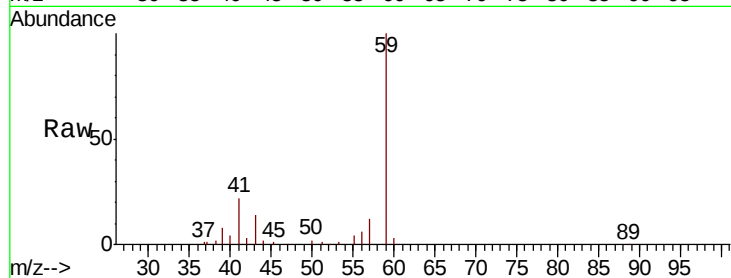
Tert butyl alcohol
 Concen: 287.876 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.04 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.2	12.2

Manual Integrations
 APPROVED

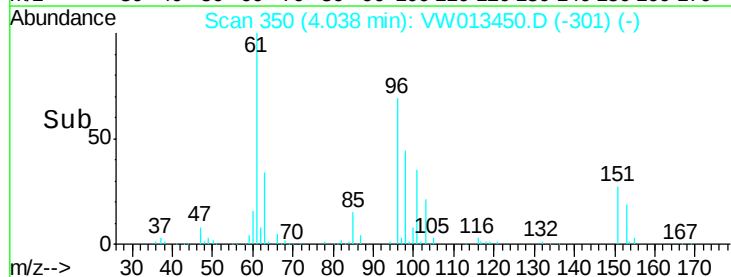
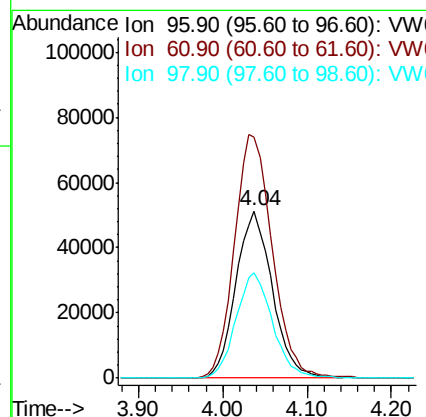
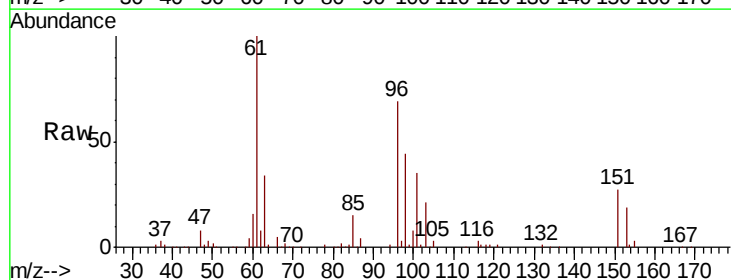
MMDadoda
 10/9/2019 11:47:51 AM

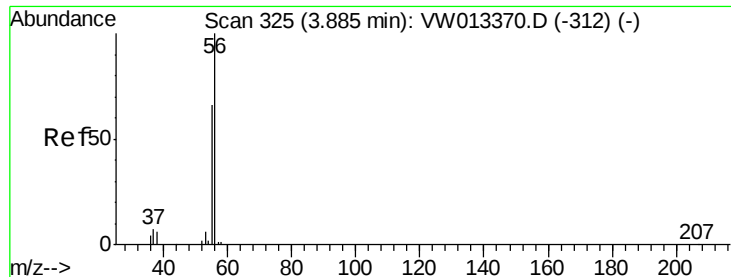


#12

1,1-Dichloroethene
 Concen: 48.185 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.2	125.1	187.7
98	63.0	50.8	76.2





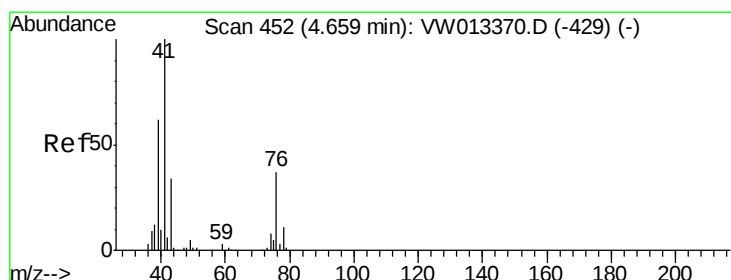
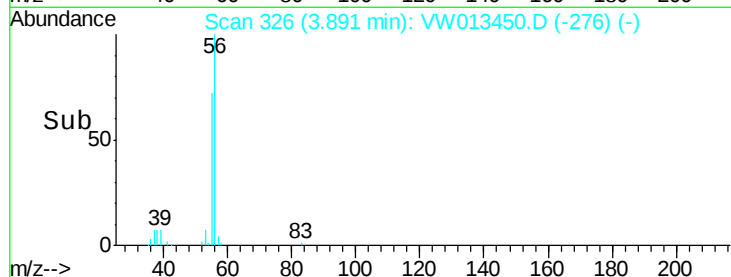
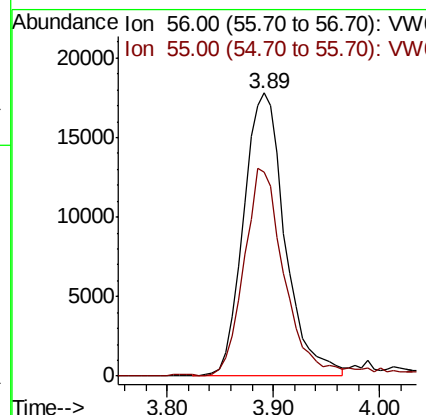
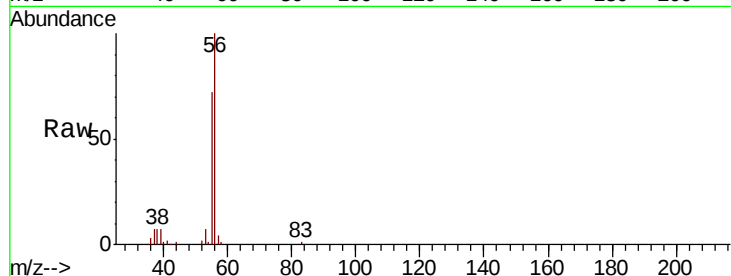
#13
Acrolein
Concen: 192.767 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	48609
Ion Ratio	100	Lower	Upper
55	71.3	55.4	83.0

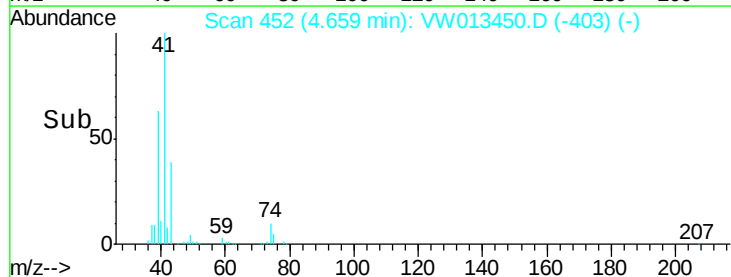
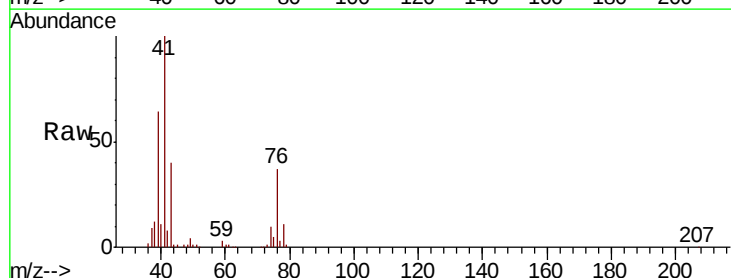
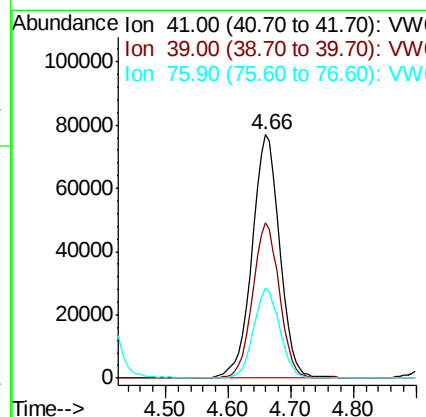
Manual Integrations
APPROVED

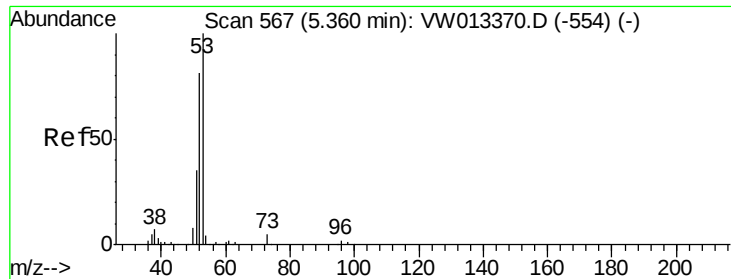
MMDadoda
10/9/2019 11:47:51 AM



#14
Allyl chloride
Concen: 50.946 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	41	Resp	234817
Ion Ratio	100	Lower	Upper
39	61.7	51.0	76.4
76	34.6	28.4	42.6





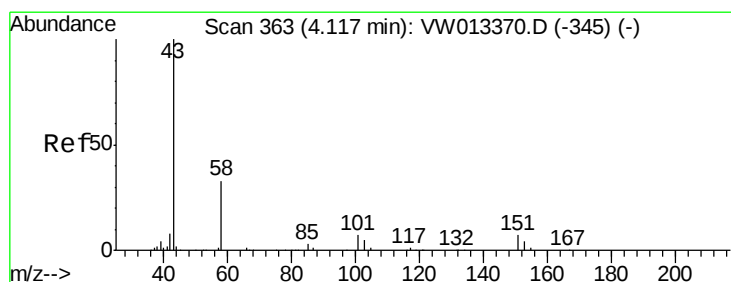
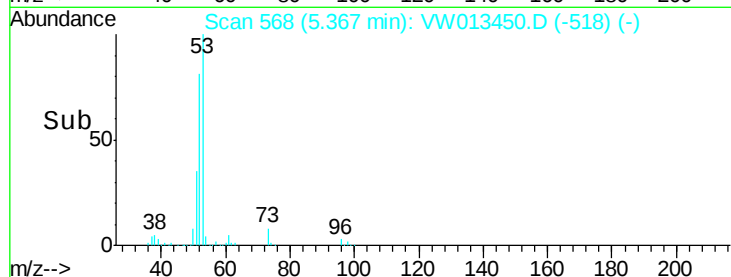
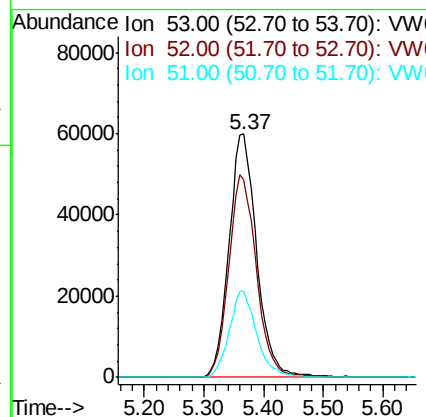
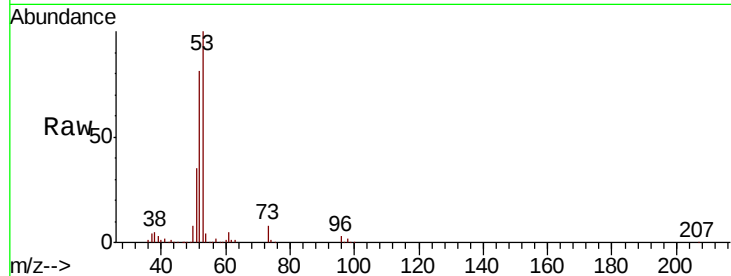
#15
 Acrylonitrile
 Concen: 277.925 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	193422
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.3	97.9
51	35.3	29.0	43.4

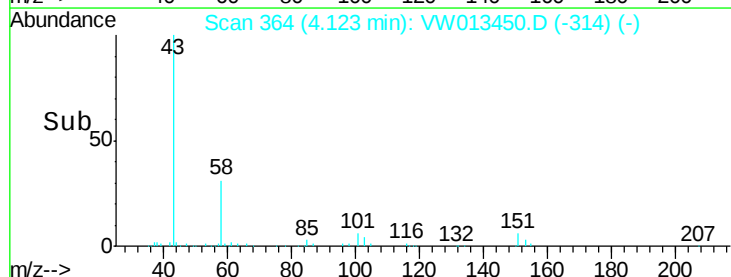
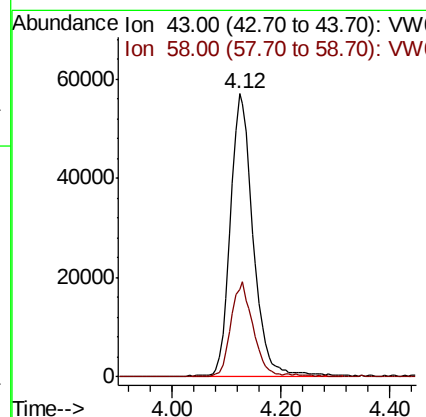
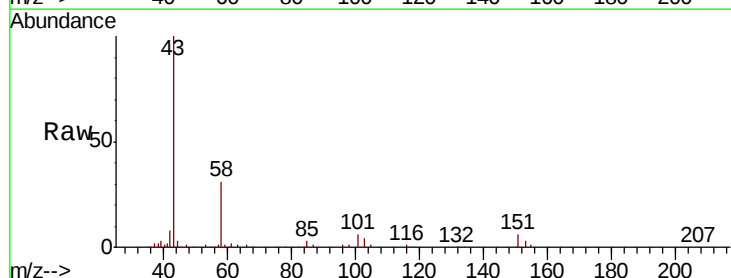
Manual Integrations
 APPROVED

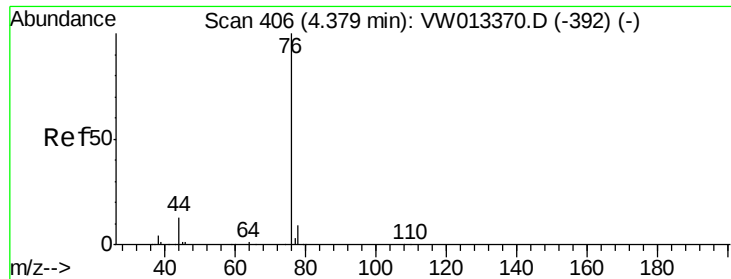
MMDadoda
 10/9/2019 11:47:51 AM



#16
 Acetone
 Concen: 213.349 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion:	43	Resp:	165267
Ion Ratio	Lower	Upper	
43	100		
58	31.0	24.1	36.1





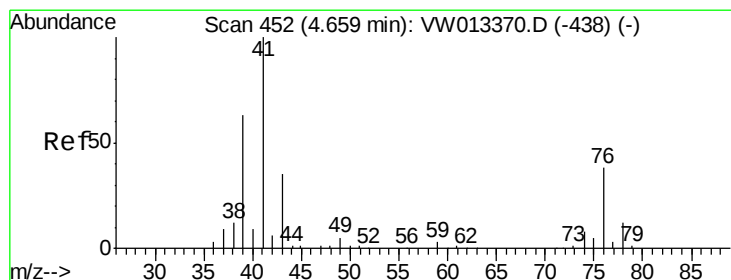
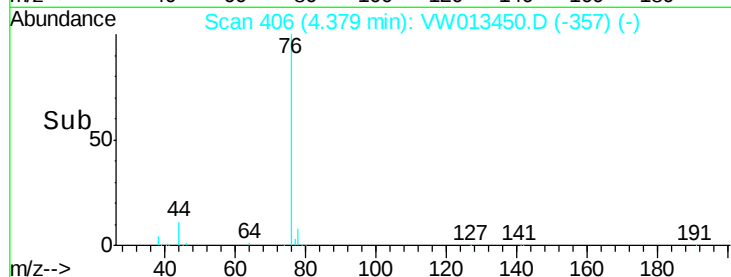
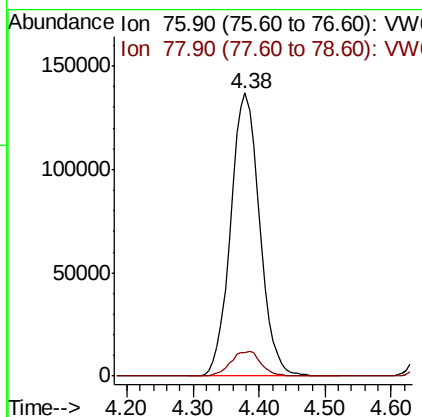
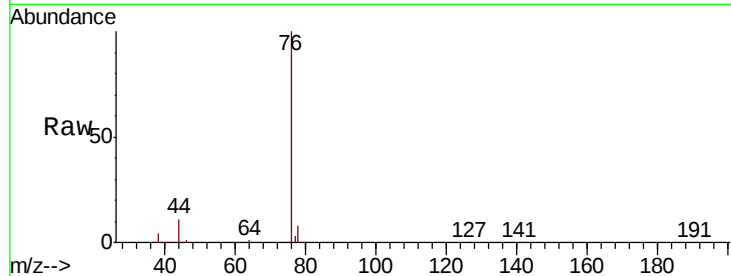
#17
Carbon Disulfide
Concen: 47.986 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.4

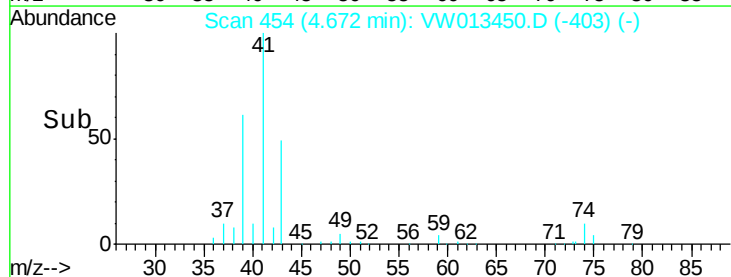
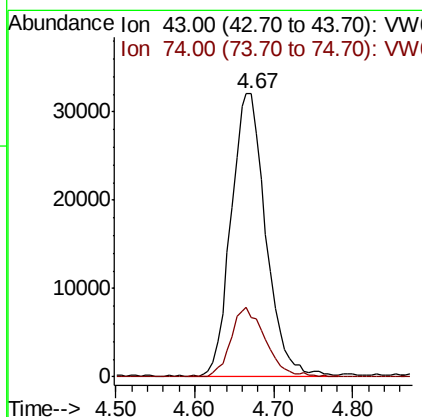
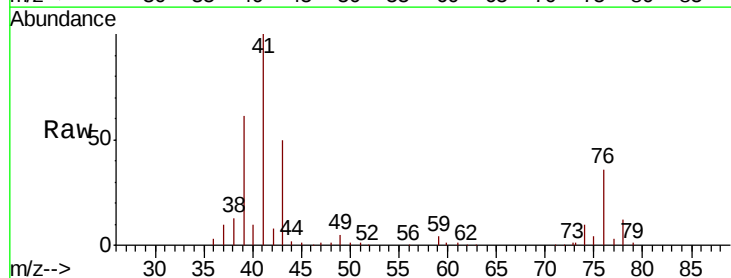
Manual Integrations
APPROVED

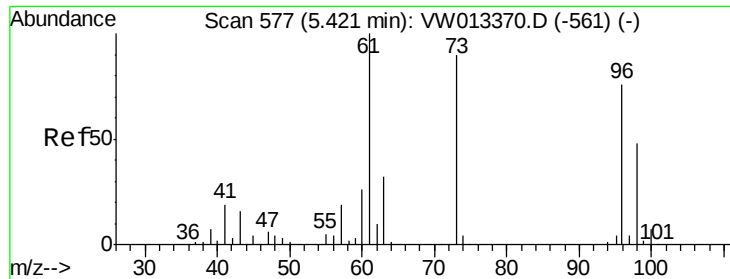
MMDadoda
10/9/2019 11:47:51 AM



#18
Methyl Acetate
Concen: 53.603 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.3	28.9





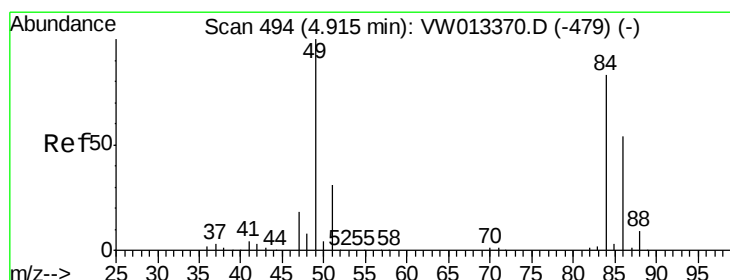
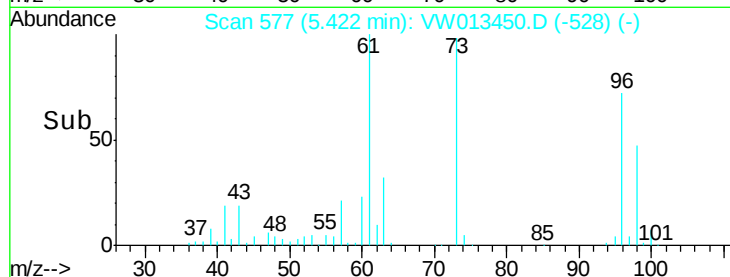
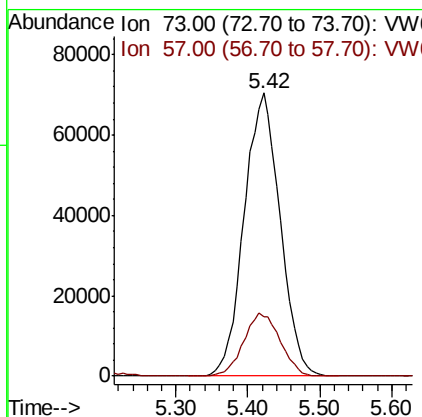
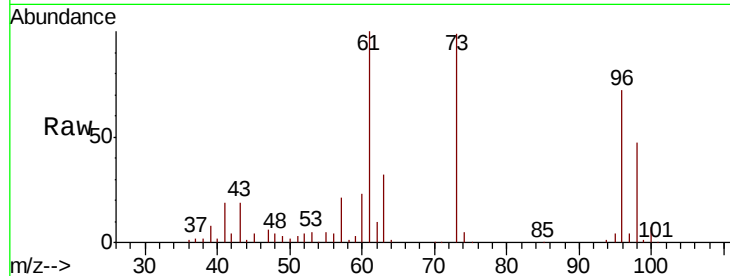
#19
Methyl tert-butyl Ether
Concen: 53.221 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 244051
Ion Ratio Lower Upper
73 100
57 21.1 17.6 26.4

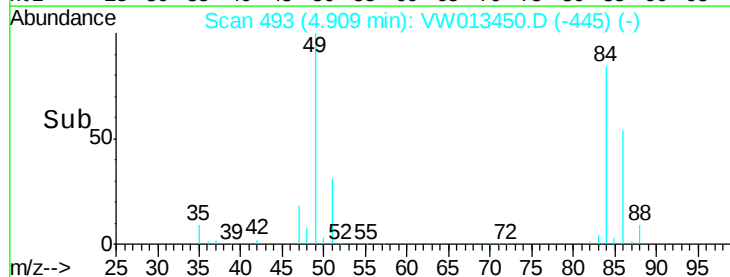
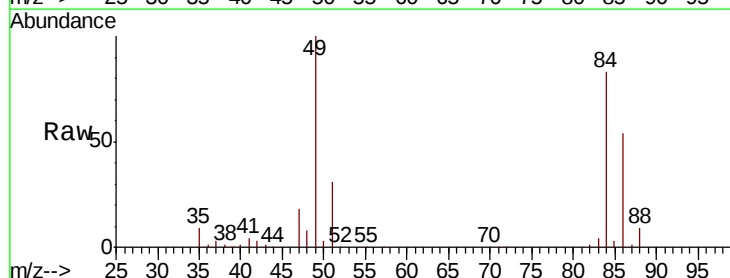
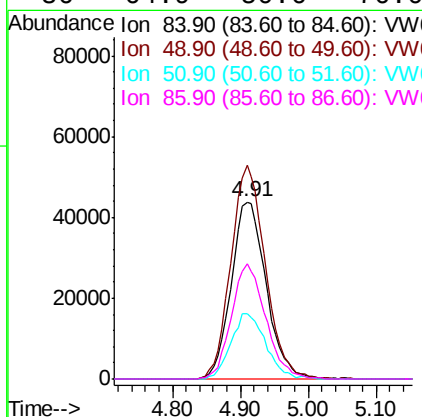
Manual Integrations
APPROVED

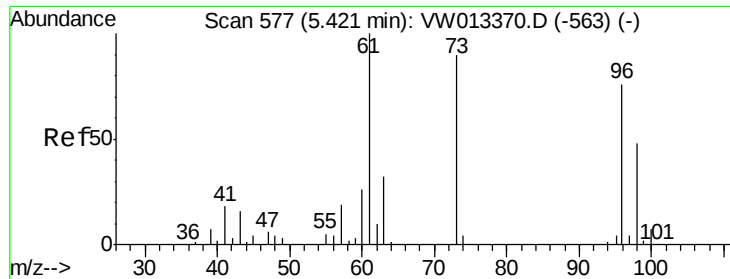
MMDadoda
10/9/2019 11:47:51 AM



#20
Methylene Chloride
Concen: 48.421 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 84 Resp: 156770
Ion Ratio Lower Upper
84 100
49 120.5 97.6 146.4
51 37.0 30.2 45.2
86 64.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.308 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

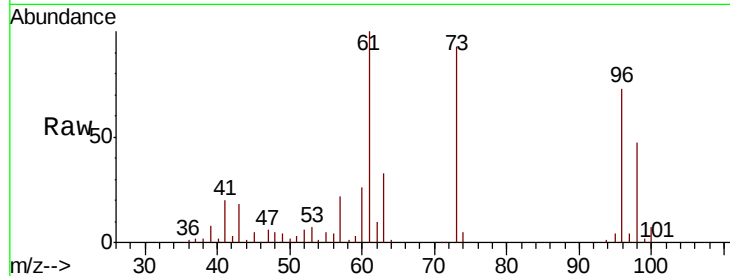
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	160286
Ion	Ratio	Lower	Upper
96	100		
61	137.5	106.6	159.8
98	64.0	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM

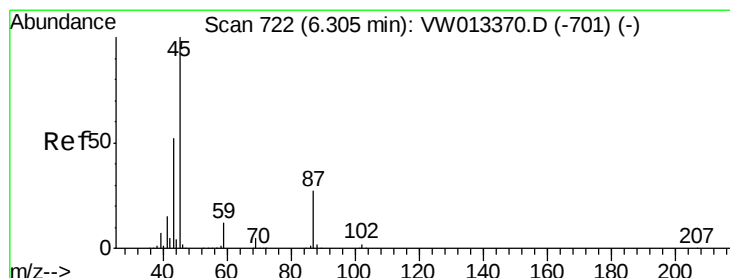
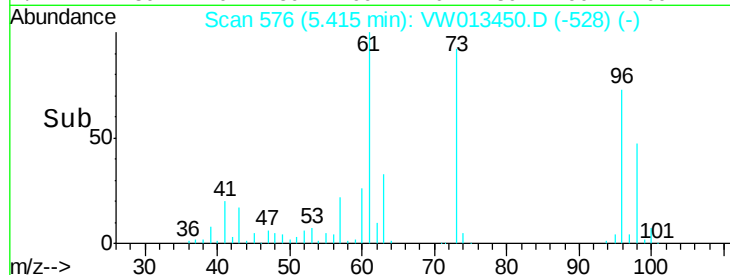
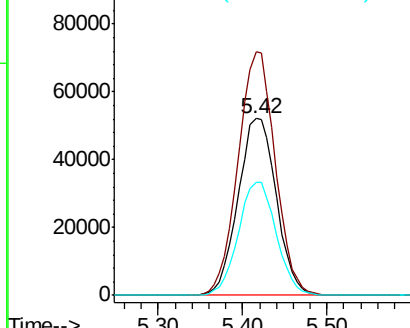


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 50.619 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion:	45	Resp:	450561
Ion	Ratio	Lower	Upper
45	100		
43	52.0	42.4	63.6
87	27.6	20.4	30.6
59	11.7	8.8	13.2

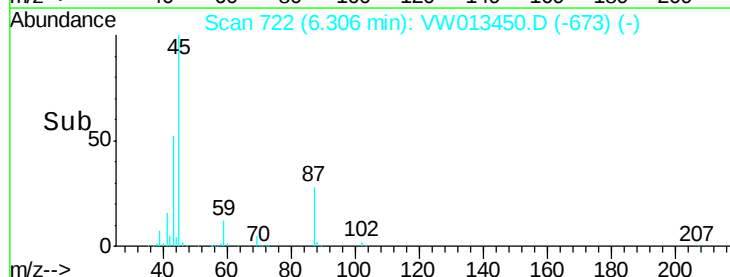
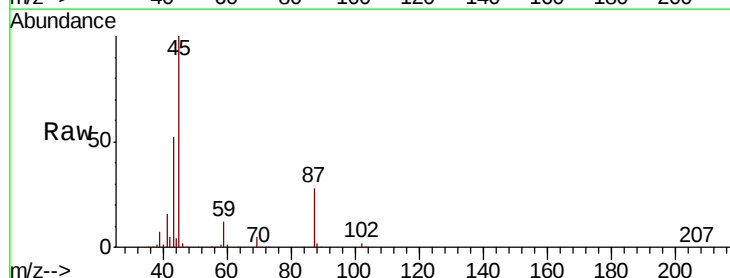
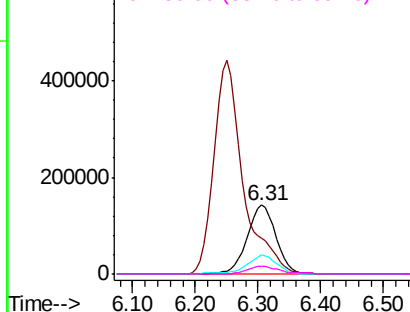
Abundance

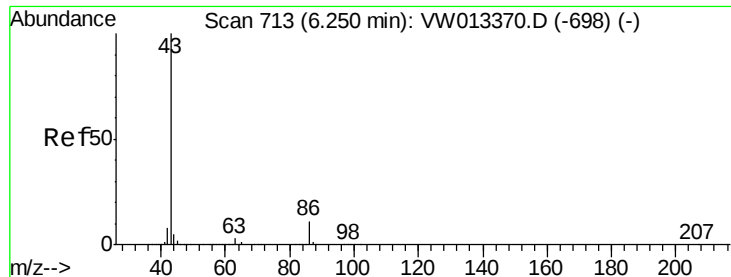
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 266.244 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1422012

Ion Ratio Lower Upper

43 100

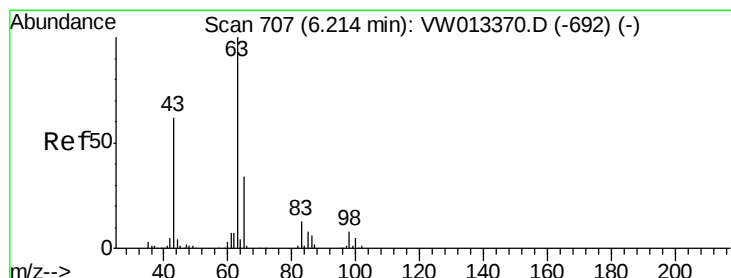
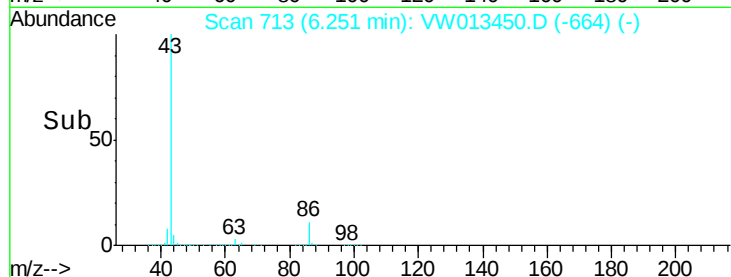
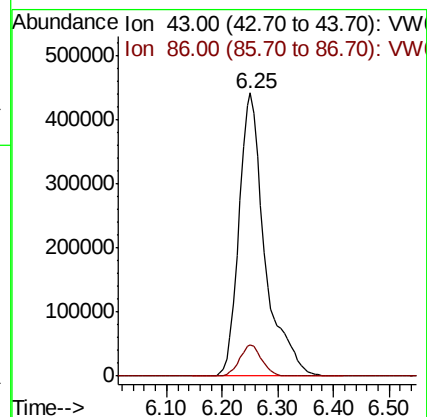
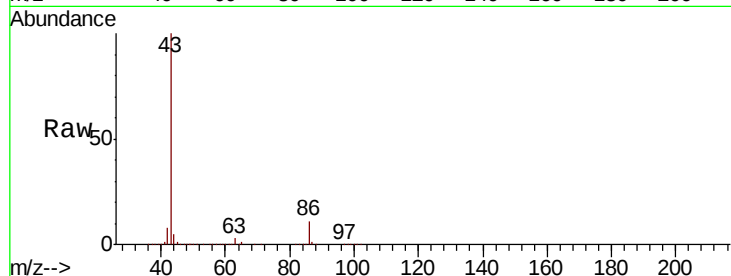
86 10.9 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

10/9/2019 11:47:51 AM



#24

1,1-Dichloroethane

Concen: 48.257 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

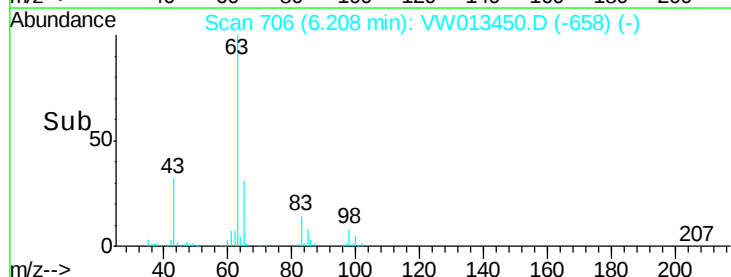
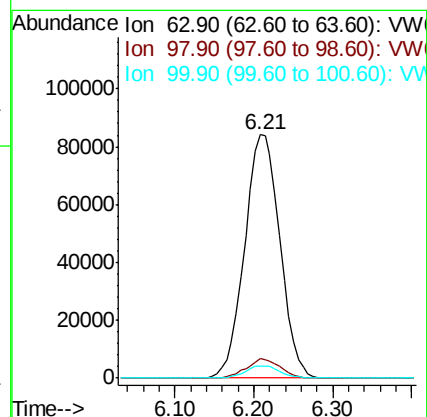
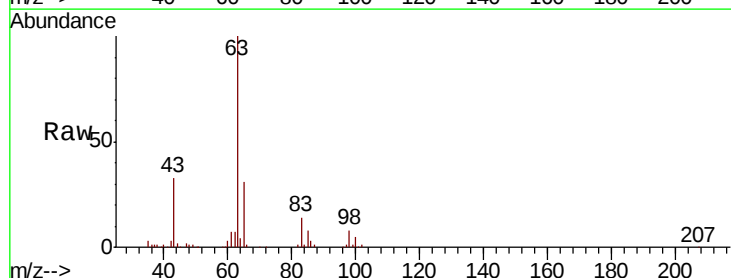
Tgt Ion: 63 Resp: 261627

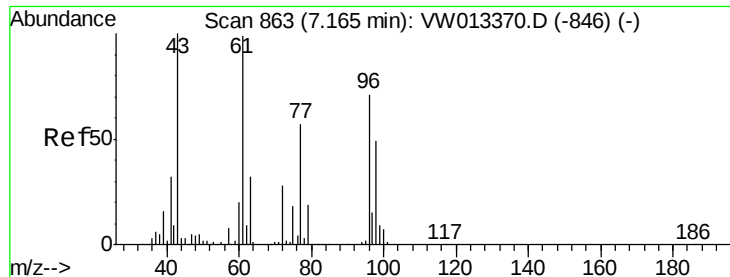
Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.5

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 249.295 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 247101

Ion Ratio Lower Upper

43 100

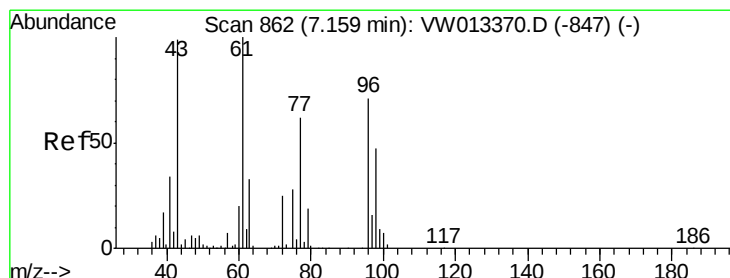
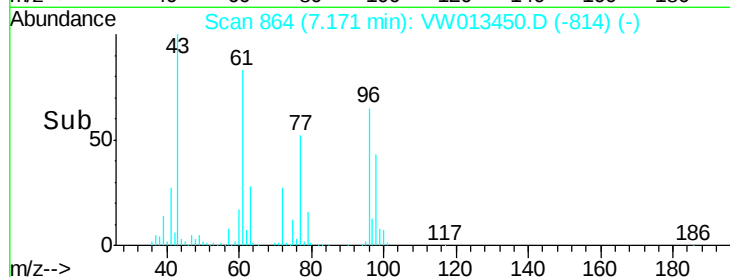
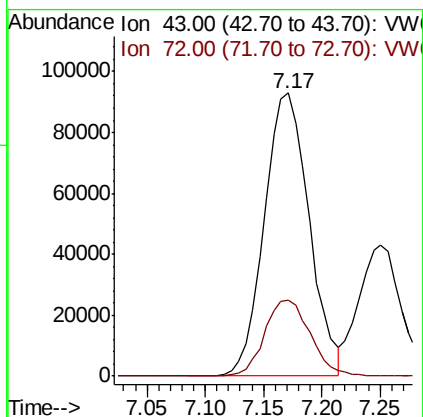
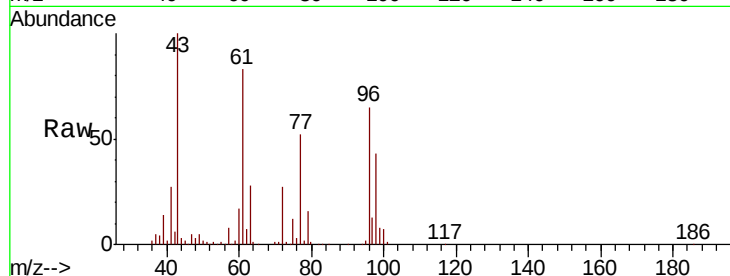
72 27.0 19.4 29.0

Manual Integrations

APPROVED

MMDadoda

10/9/2019 11:47:51 AM



#26

2,2-Dichloropropane

Concen: 50.484 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013450.D

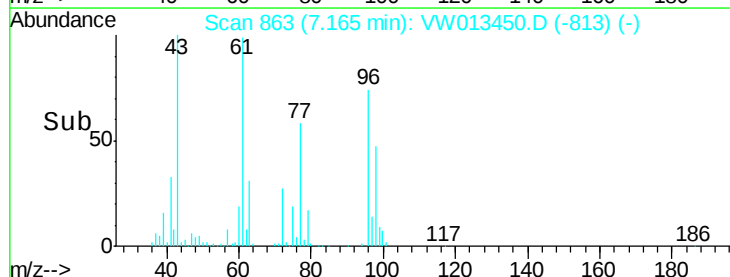
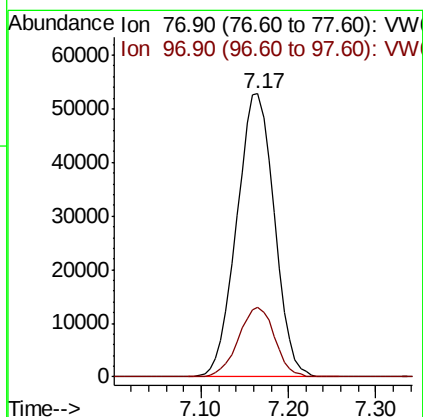
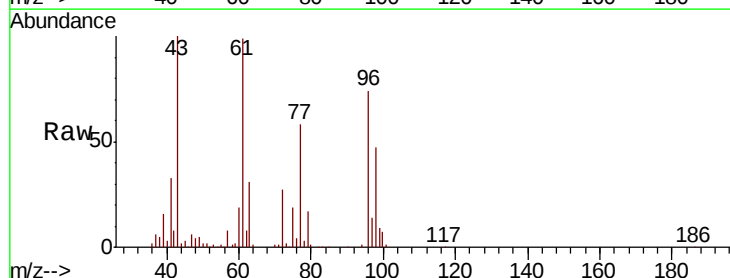
Acq: 04 Oct 2019 20:03

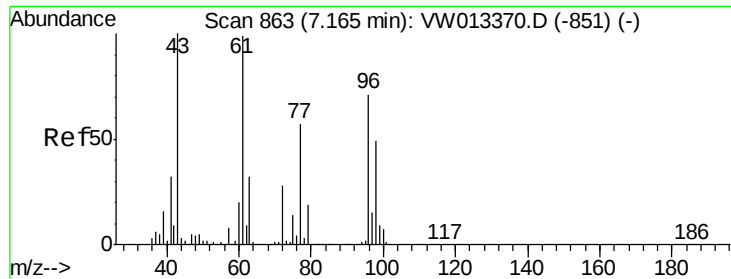
Tgt Ion: 77 Resp: 158307

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.4





#27

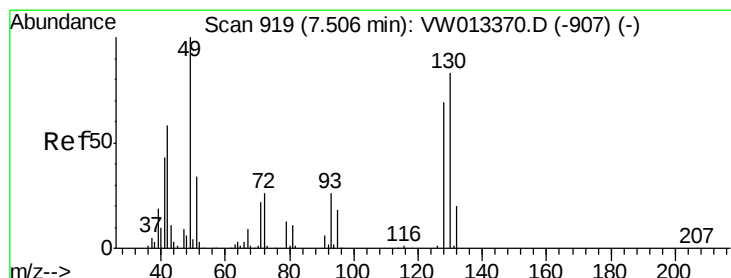
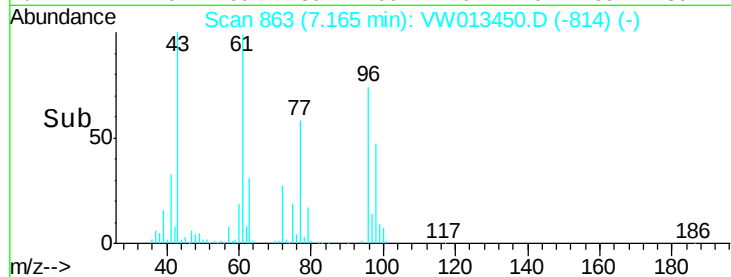
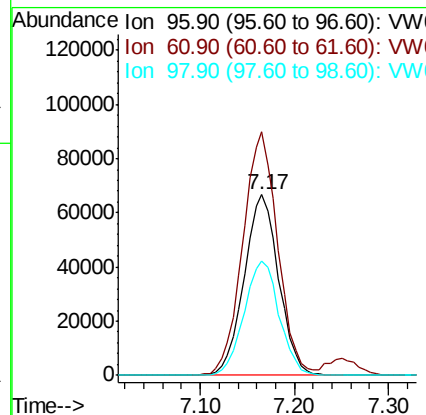
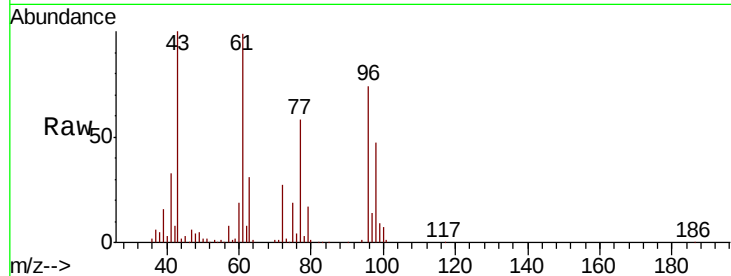
cis-1,2-Dichloroethene
Concen: 49.391 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	282.4
98	64.5	0.0	128.2

Manual Integrations
APPROVED

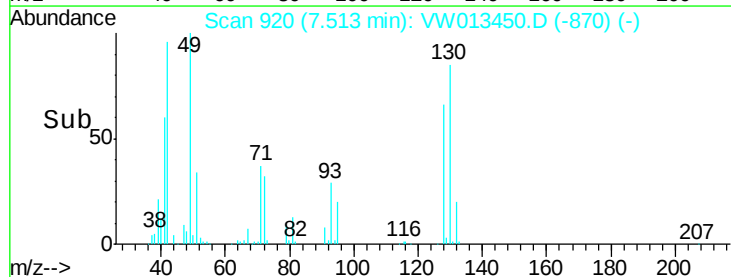
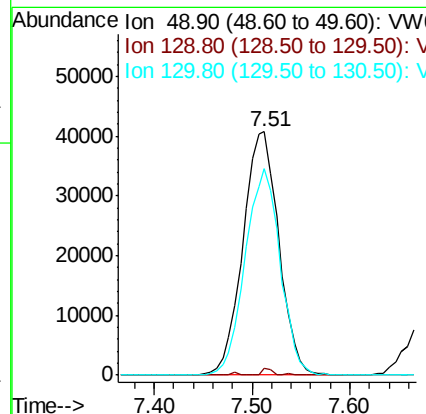
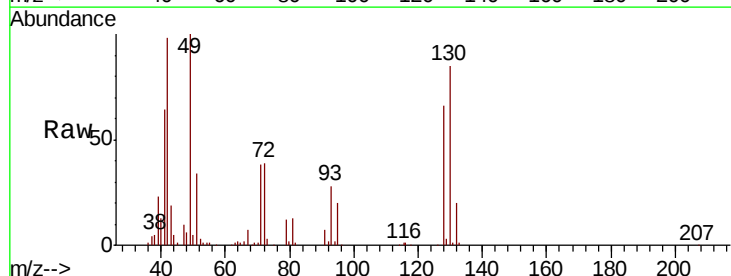
MMDadoda
10/9/2019 11:47:51 AM

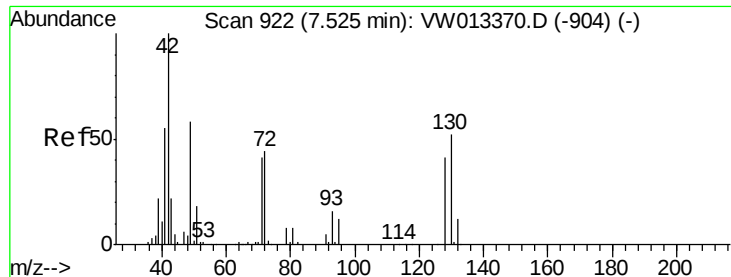


#28

Bromochloromethane
Concen: 52.893 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	82.8	63.4	95.2





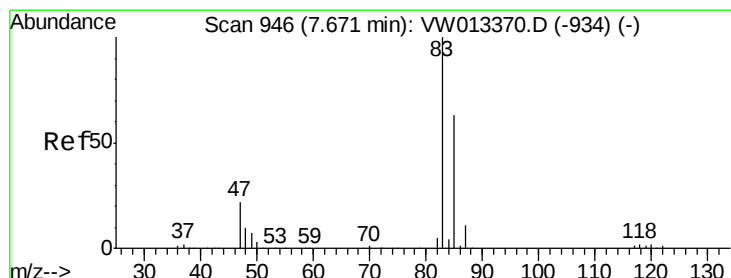
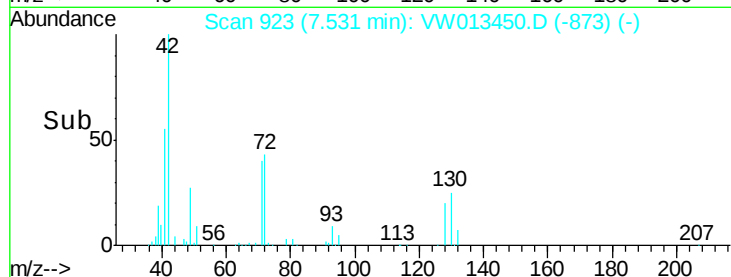
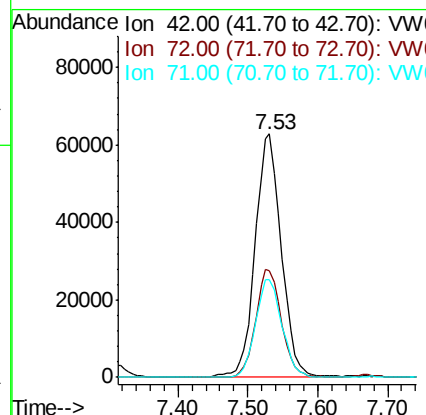
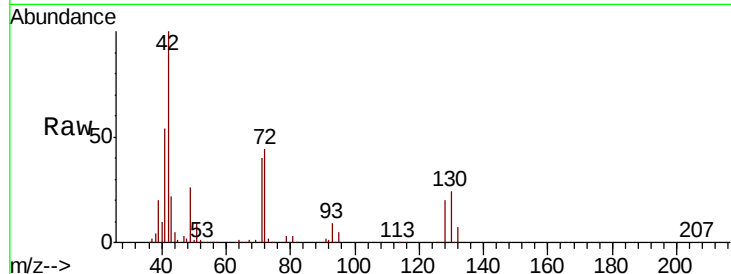
#29
Tetrahydrofuran
Concen: 281.409 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.9	50.9
71	40.7	31.9	47.9

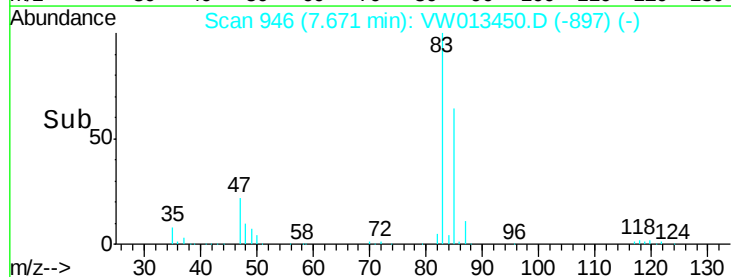
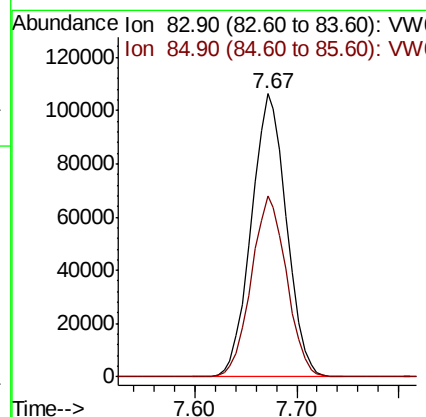
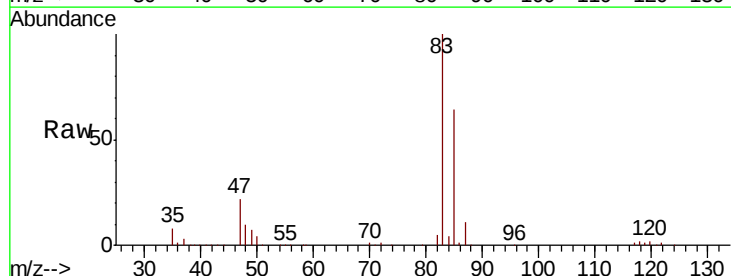
Manual Integrations
APPROVED

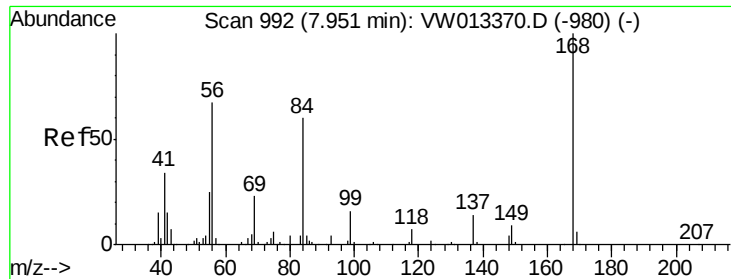
MMDadoda
10/9/2019 11:47:51 AM



#30
Chloroform
Concen: 47.897 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.3	78.5





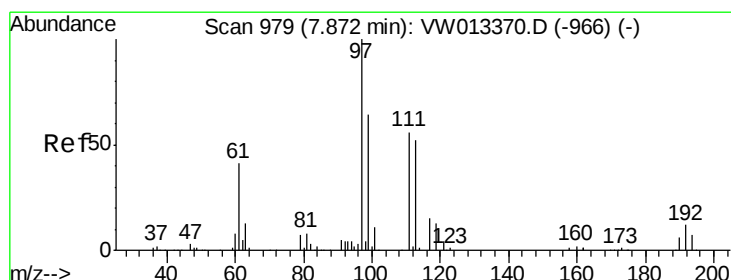
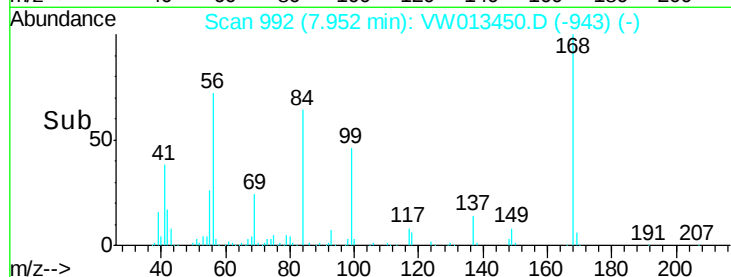
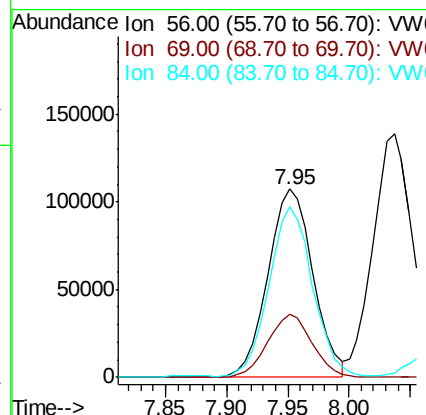
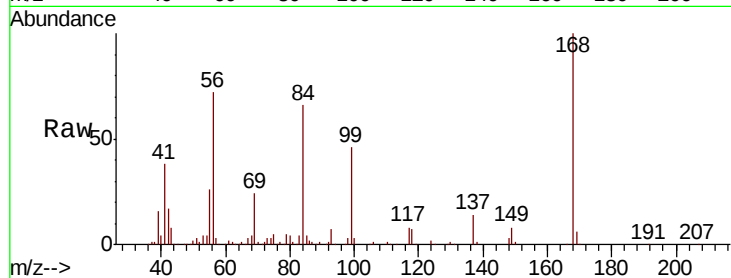
#31
Cyclohexane
Concen: 47.636 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	27.2	40.8
84	89.4	70.8	106.2

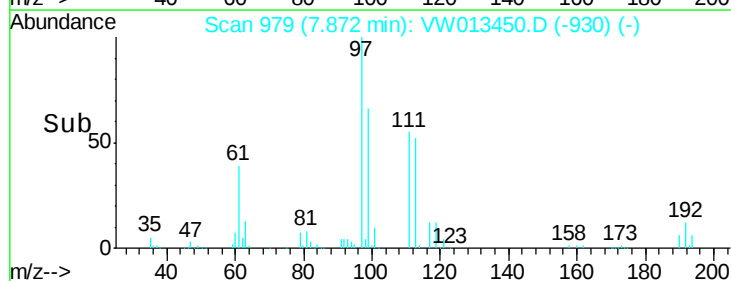
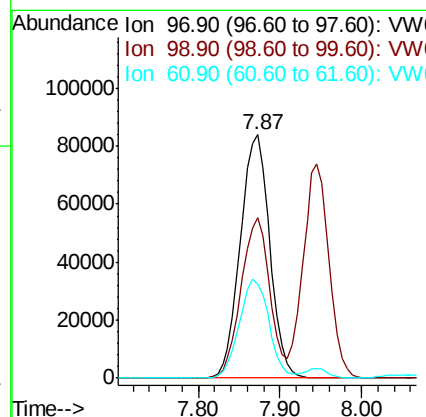
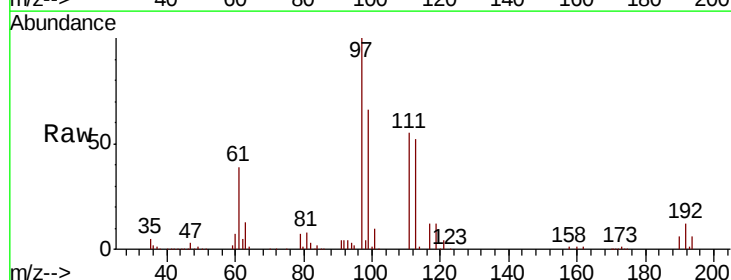
Manual Integrations
APPROVED

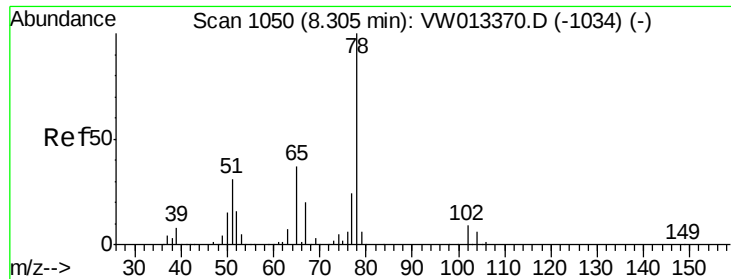
MMDadoda
10/9/2019 11:47:51 AM



#32
1,1,1-Trichloroethane
Concen: 50.344 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	41.1	34.6	51.8





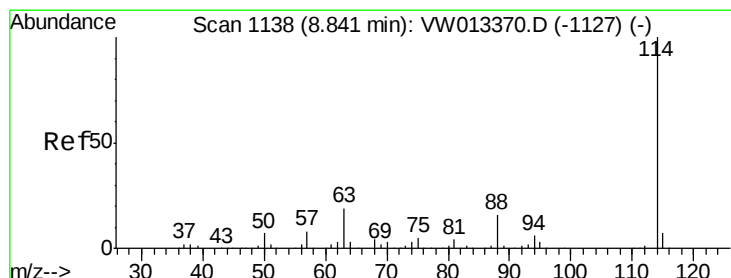
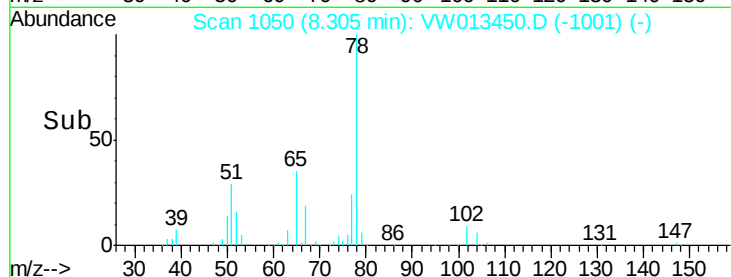
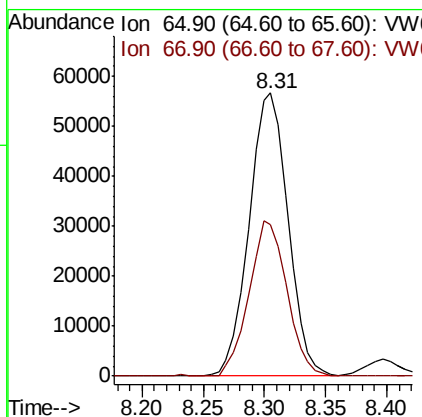
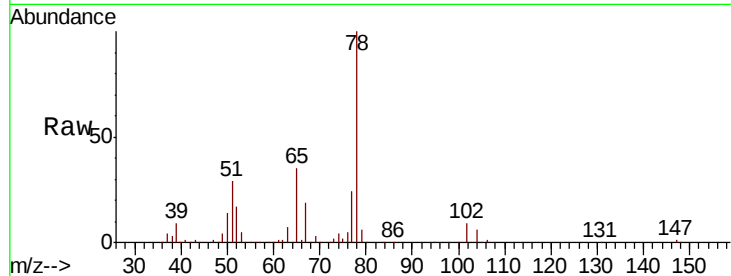
#33
 1,2-Dichloroethane-d4
 Concen: 49.787 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	125821		
67	53.4	0.0	106.2	

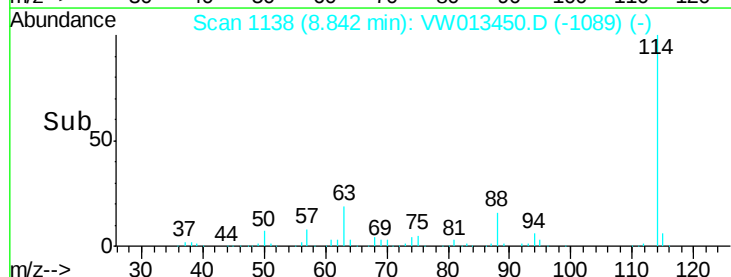
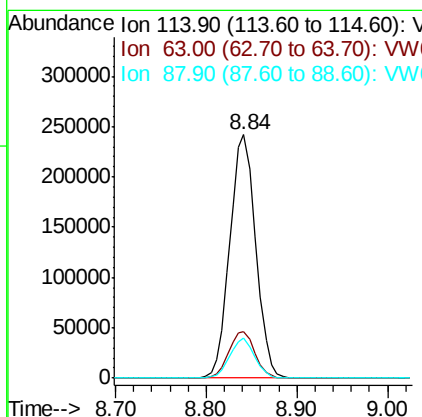
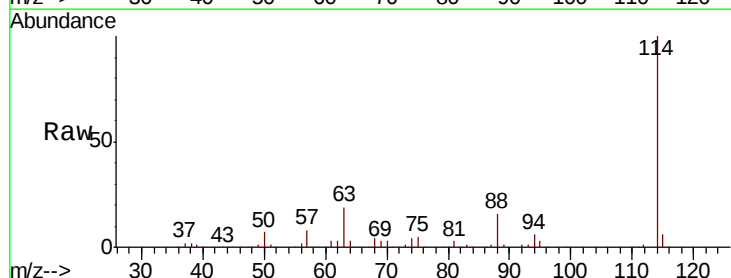
Manual Integrations
 APPROVED

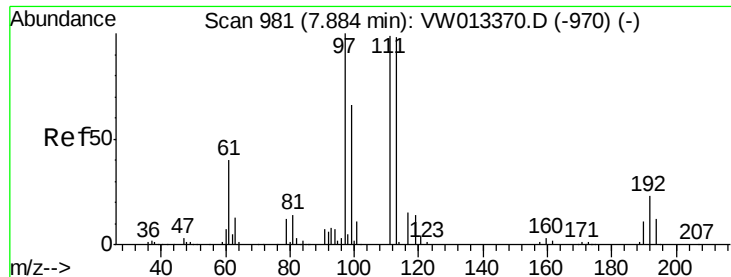
MMDadoda
 10/9/2019 11:47:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478851		
63	19.2	0.0	41.4	
88	16.2	0.0	32.0	





#35

Dibromofluoromethane

Concen: 49.214 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

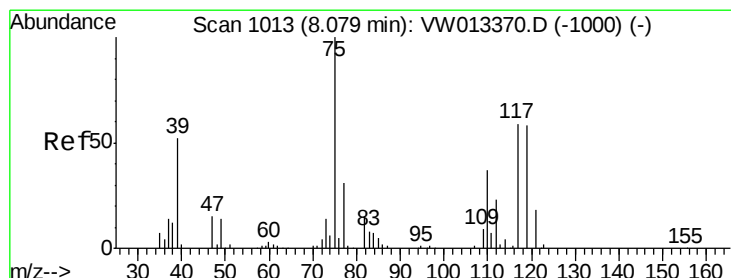
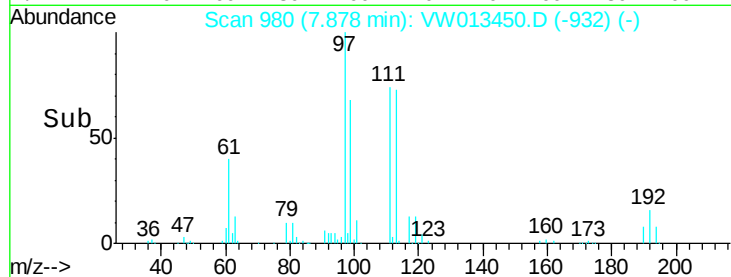
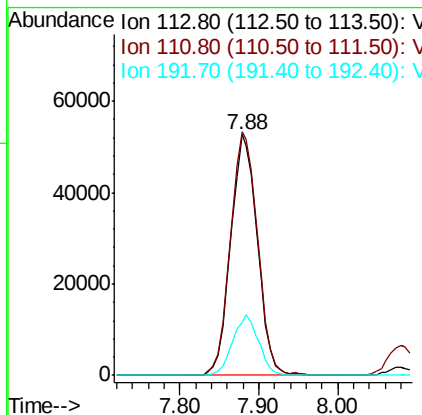
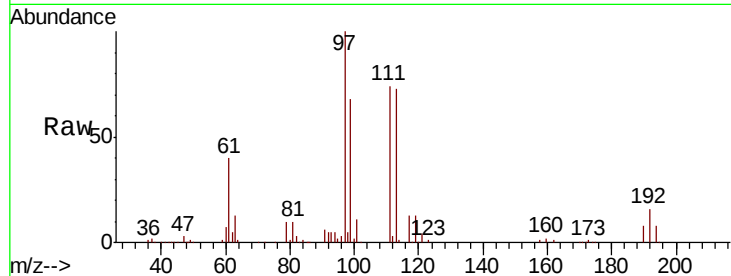
ClientSampleID :

VSTDCCC050EC

Tot Ion:	113	Resp:	123656
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.9	122.9
192	24.2	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM



#36

1,1-Dichloropropene

Concen: 49.645 ug/l

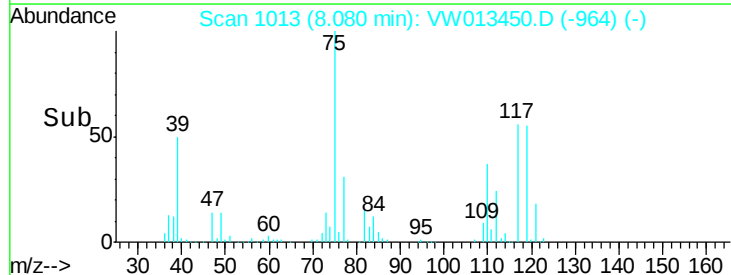
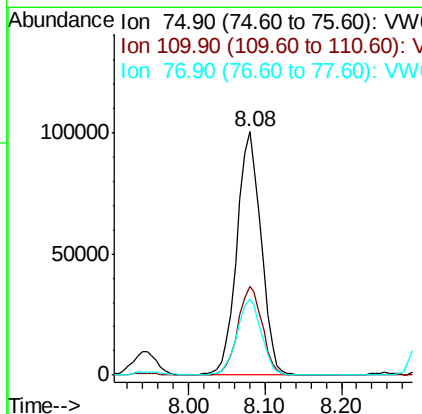
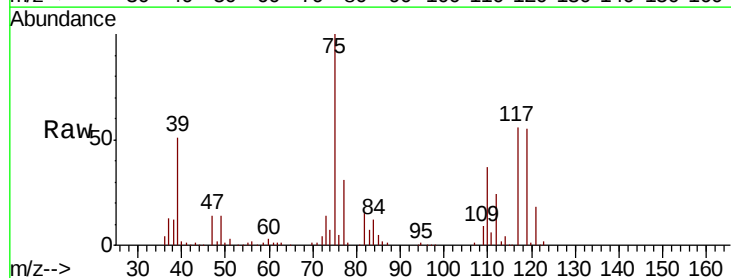
RT: 8.08 min Scan# 1013

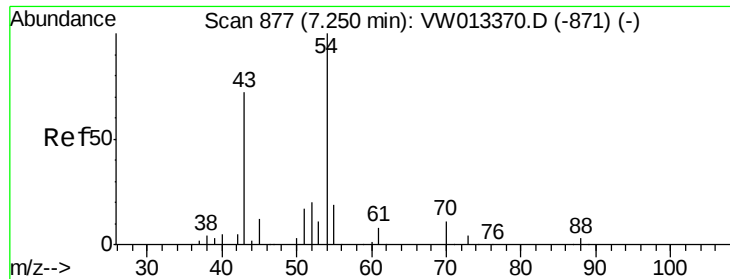
Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion:	75	Resp:	220803
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.1	54.3
77	31.7	25.8	38.6





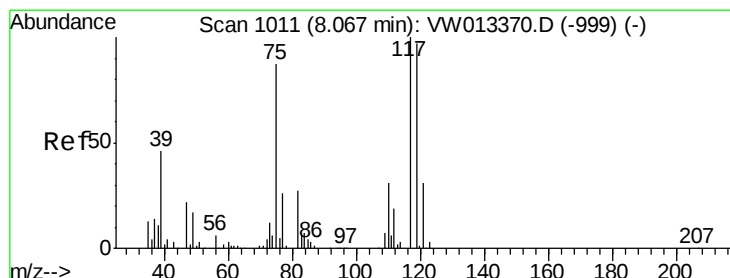
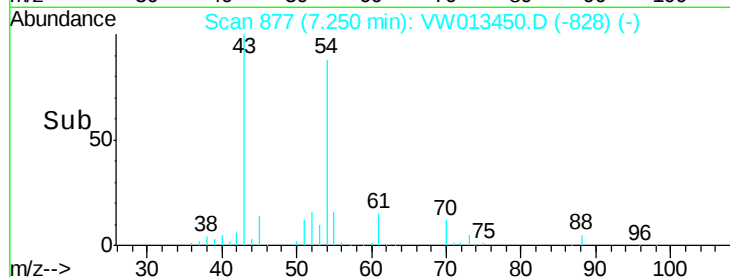
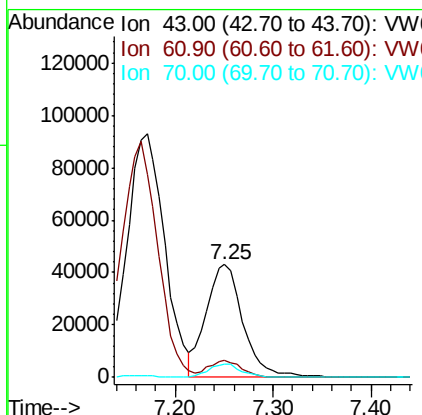
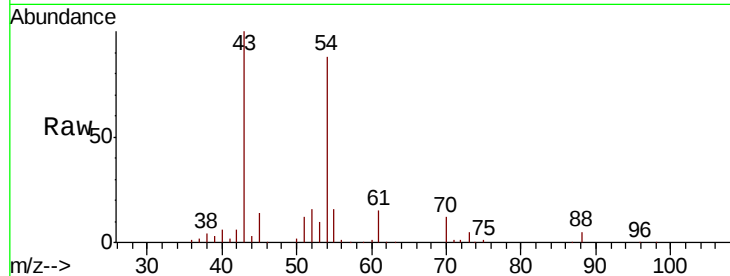
#37
Ethyl Acetate
Concen: 56.630 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	10.9	8.2	12.2

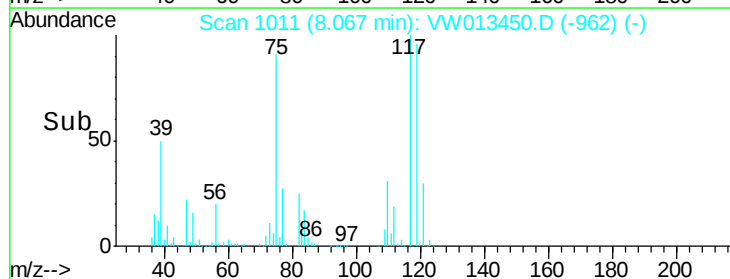
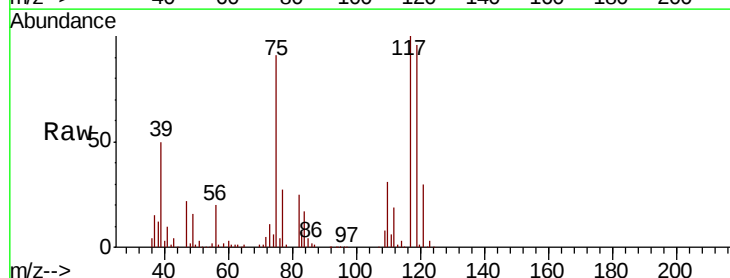
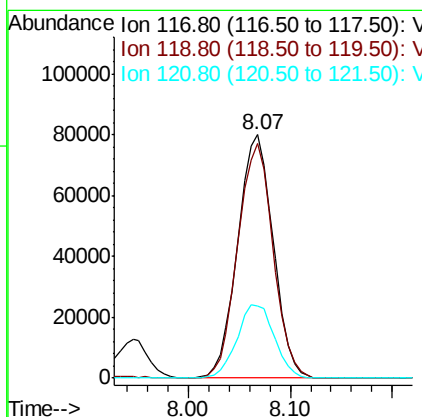
Manual Integrations
APPROVED

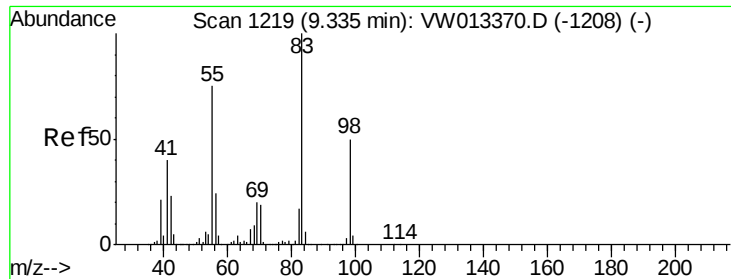
MMDadoda
10/9/2019 11:47:51 AM



#38
Carbon Tetrachloride
Concen: 50.420 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	73.5	110.3
121	29.7	25.0	37.6





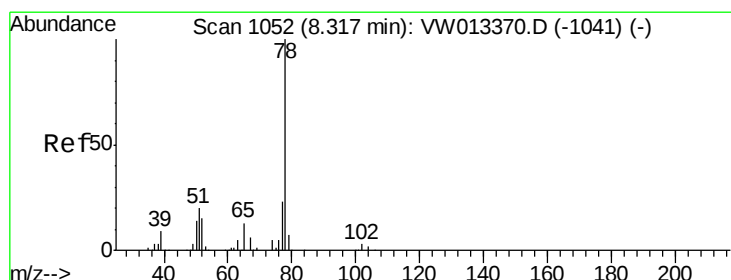
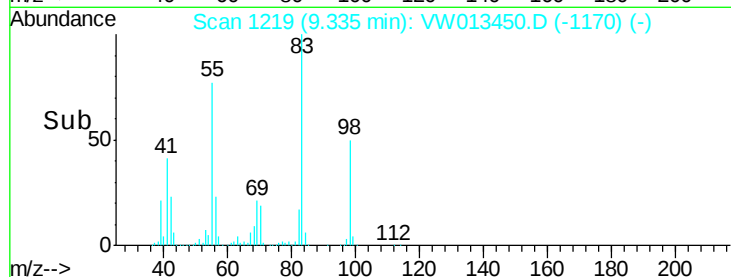
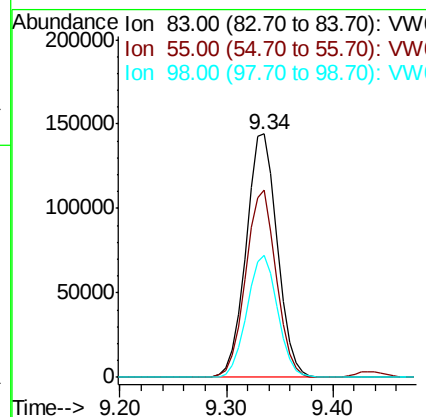
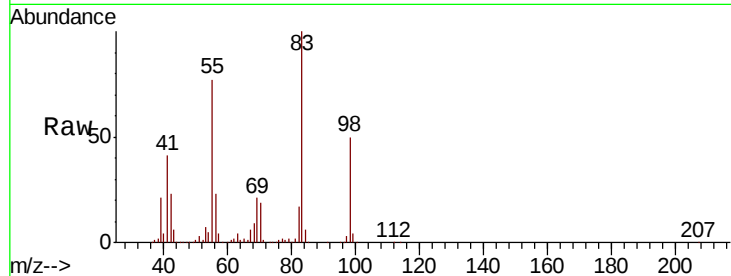
#39
Methvlcvclohexane
Concen: 50.752 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	297277		
55	77.1		60.4	90.6
98	50.1		40.0	60.0

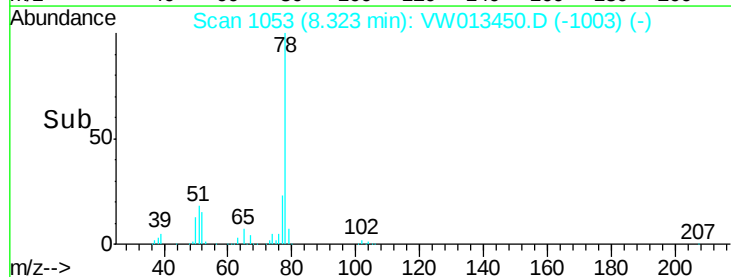
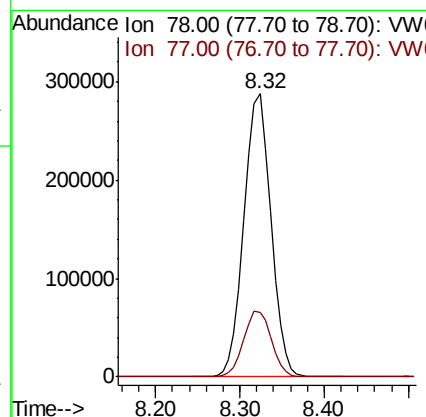
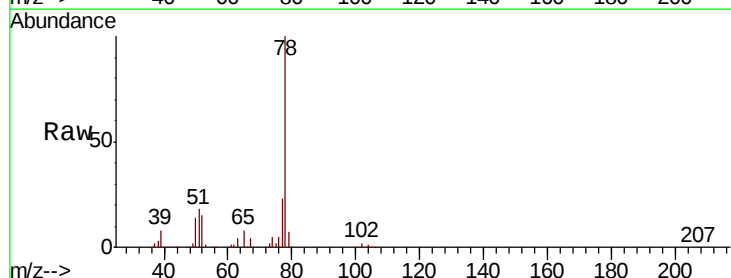
Manual Integrations
APPROVED

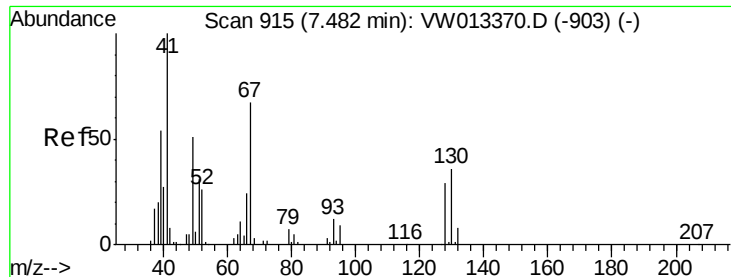
MMDadoda
10/9/2019 11:47:51 AM



#40
Benzene
Concen: 49.500 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	623212		
77	22.9		19.1	28.7





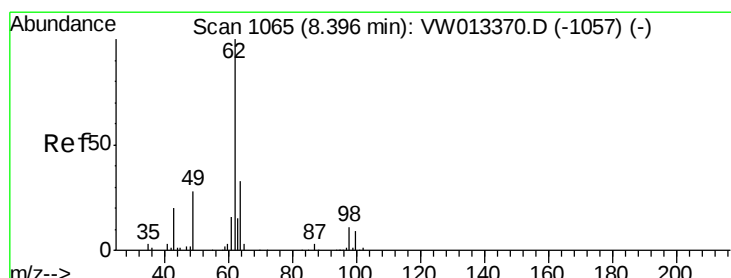
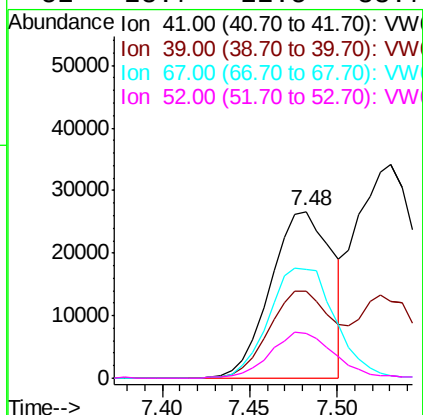
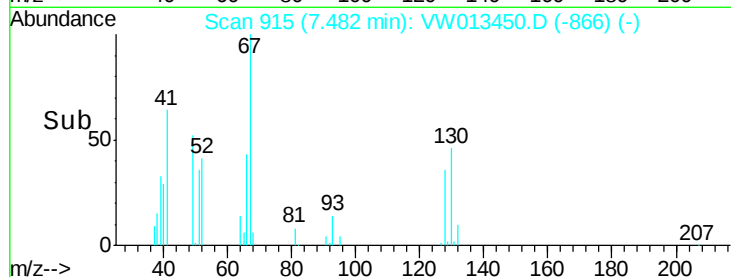
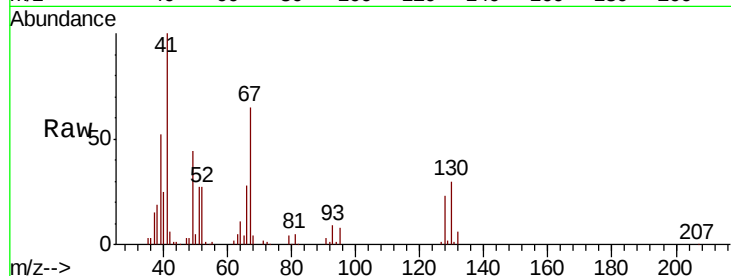
#41
Methacrylonitrile
Concen: 55.225 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.5	45.9	68.9	
67	71.6	54.5	81.7	
52	28.7	22.5	33.7	

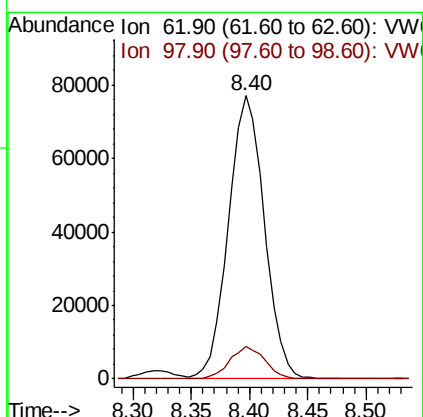
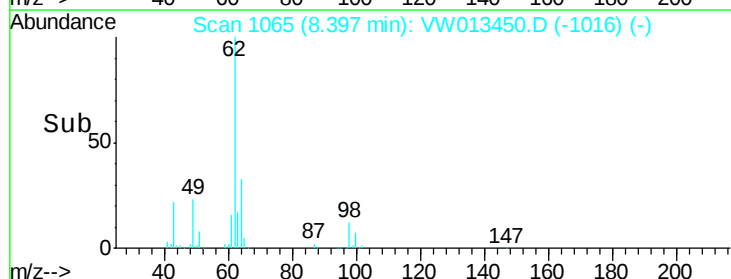
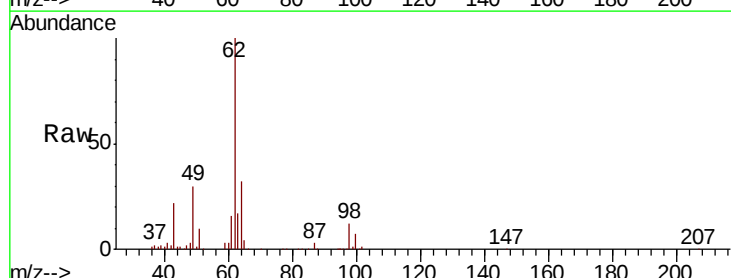
Manual Integrations
APPROVED

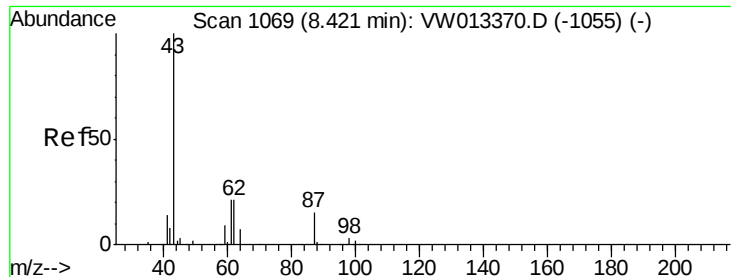
MMDadoda
10/9/2019 11:47:51 AM



#42
1,2-Dichloroethane
Concen: 51.156 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.3	0.0	20.6	





#43

Isopropyl Acetate

Concen: 56.348 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

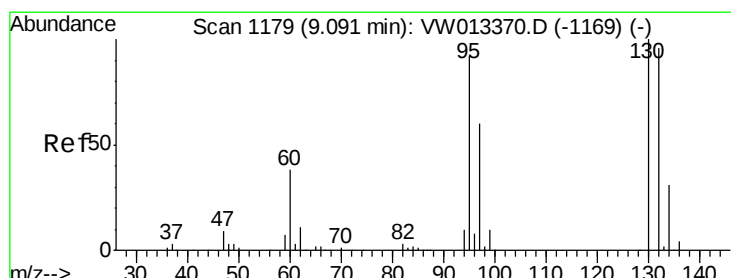
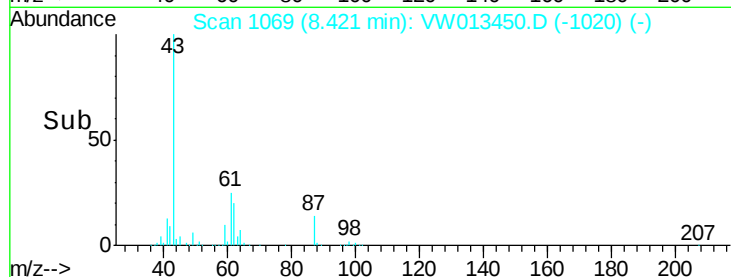
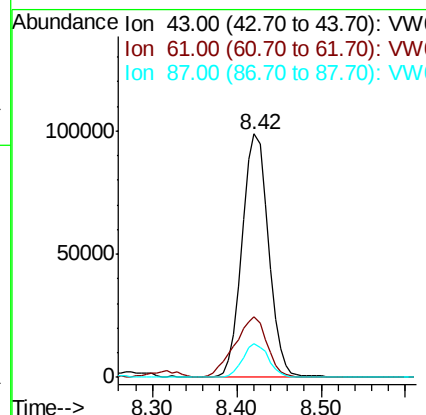
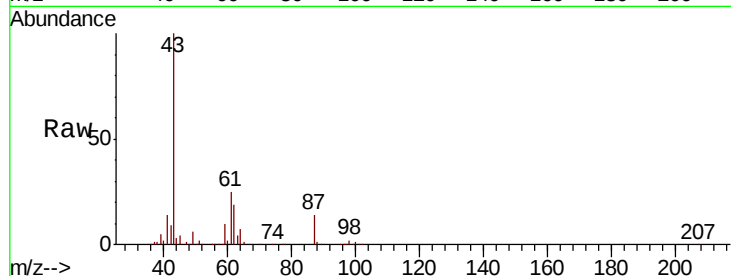
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	208173
Ion	Ratio	Lower	Upper
43	100		
61	30.8	25.5	38.3
87	13.5	11.0	16.4

Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM



#44

Trichloroethene

Concen: 49.980 ug/l

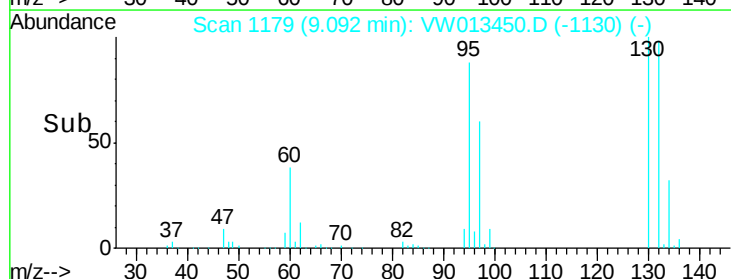
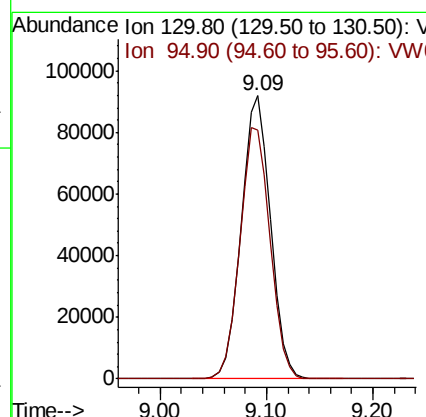
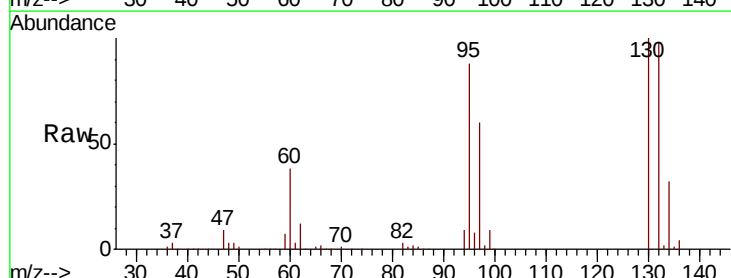
RT: 9.09 min Scan# 1179

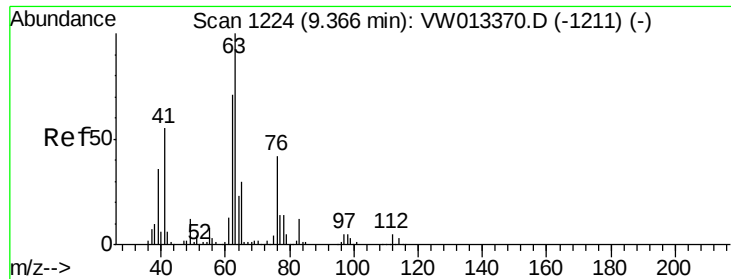
Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion:	130	Resp:	177201
Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	188.0





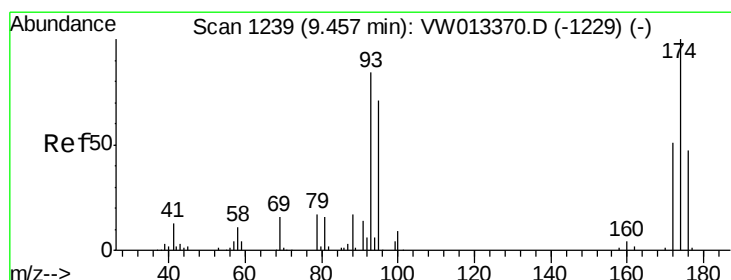
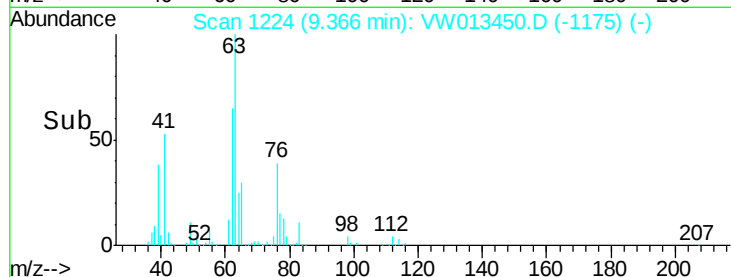
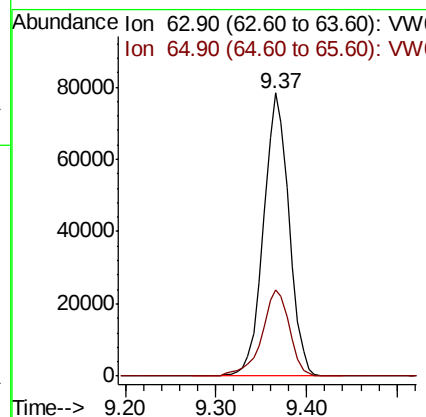
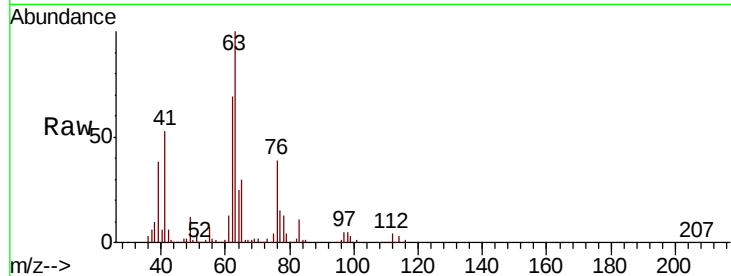
#45
 1,2-Dichloropropane
 Concen: 50.263 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 151941
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.3 37.9

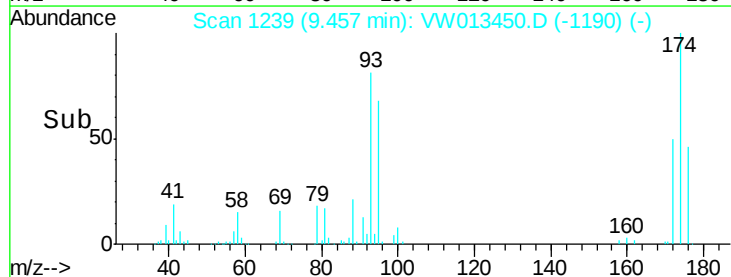
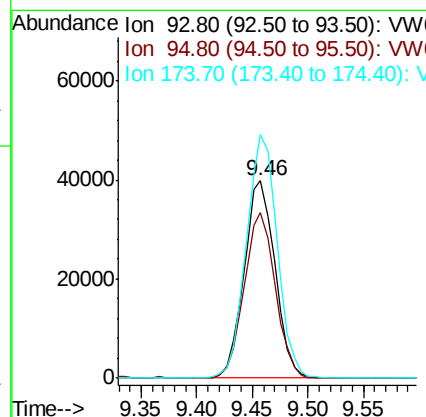
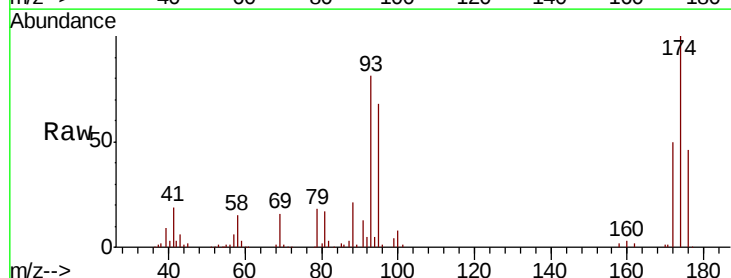
Manual Integrations
 APPROVED

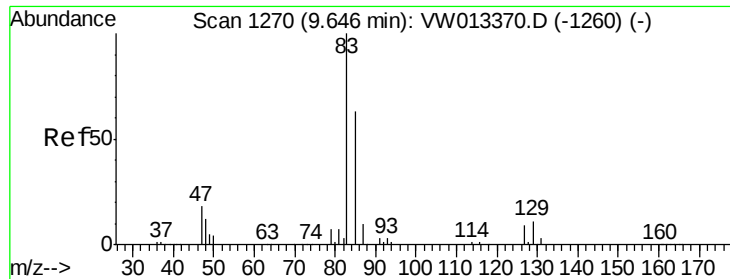
MMDadoda
 10/9/2019 11:47:51 AM



#46
 Dibromomethane
 Concen: 50.996 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 93 Resp: 76784
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.4 99.6
 174 123.5 93.0 139.6





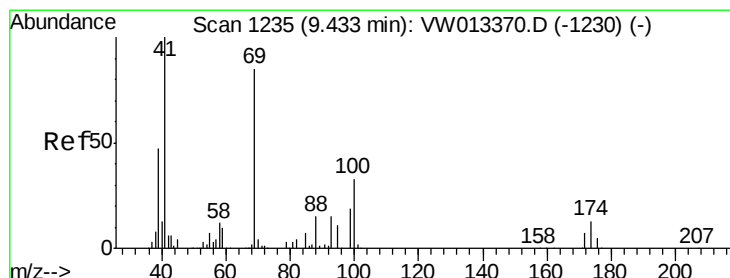
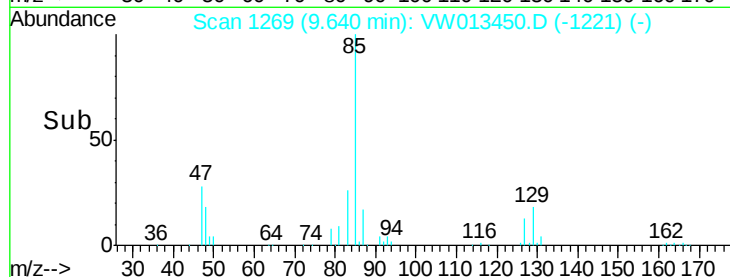
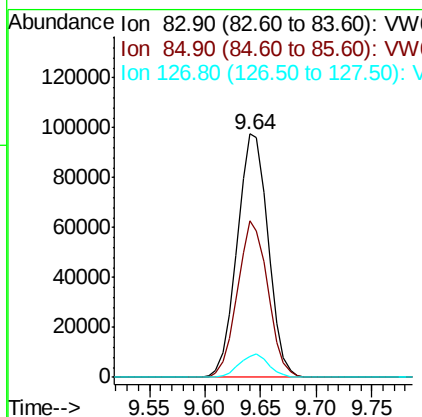
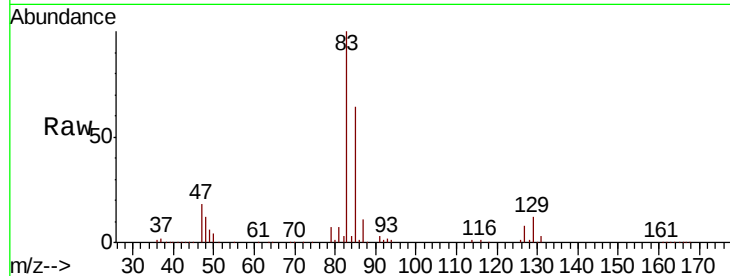
#47
Bromodichloromethane
Concen: 50.738 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	188063
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	49.4	74.2
127	8.4	6.5	9.7

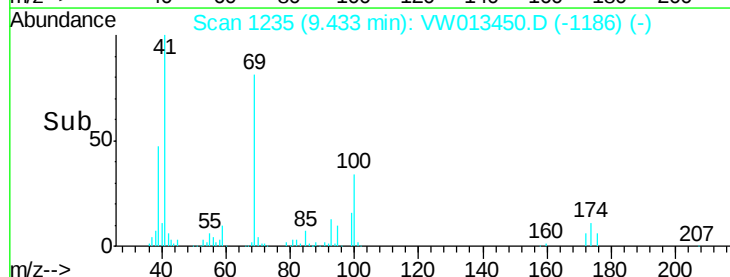
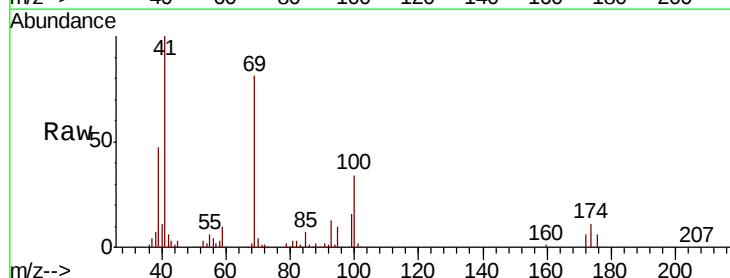
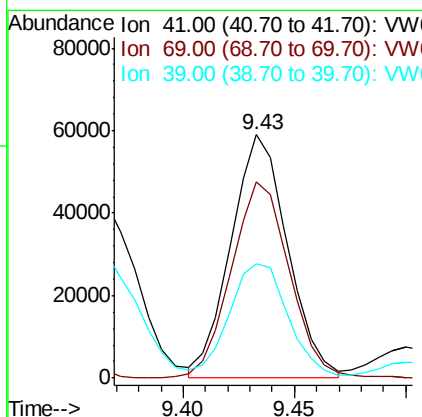
Manual Integrations
APPROVED

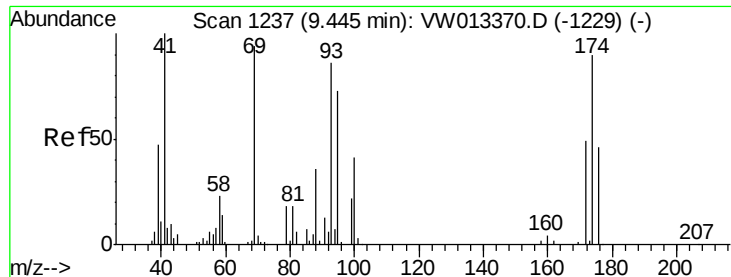
MMDadoda
10/9/2019 11:47:51 AM



#48
Methyl methacrylate
Concen: 58.856 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	41	Resp	104476
Ion Ratio	100	Lower	Upper
41	100		
69	83.3	69.7	104.5
39	46.2	41.1	61.7





#49

1,4-Dioxane

Concen: 1212.081 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

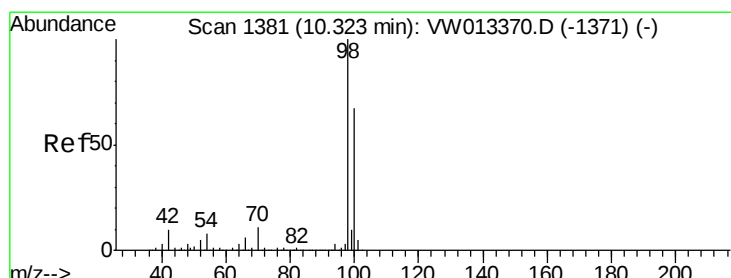
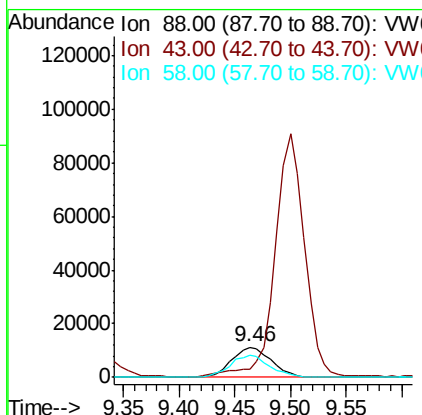
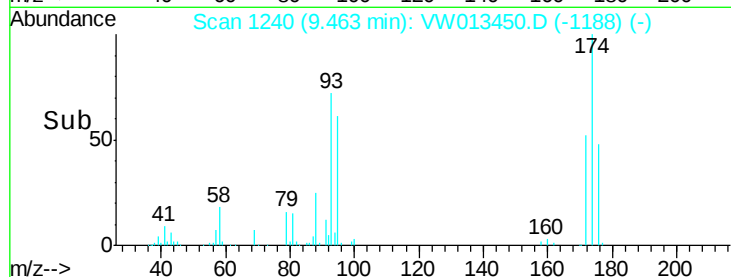
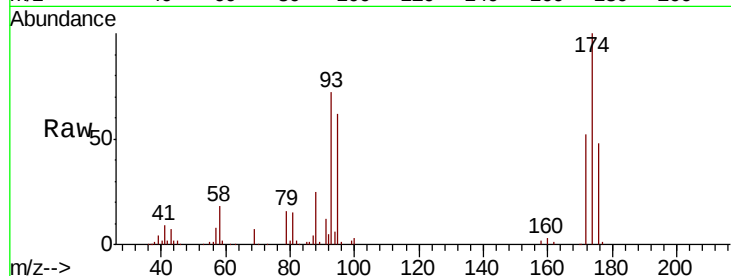
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	28041
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.0	65.4	98.0

Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM



#50

Toluene-d8

Concen: 49.700 ug/l

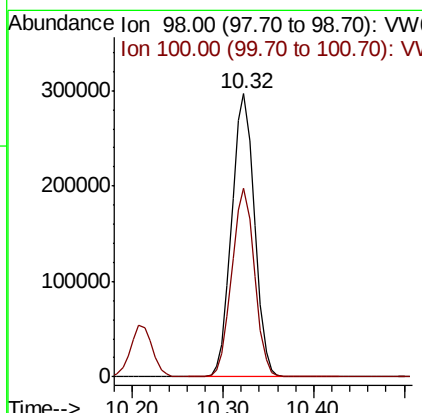
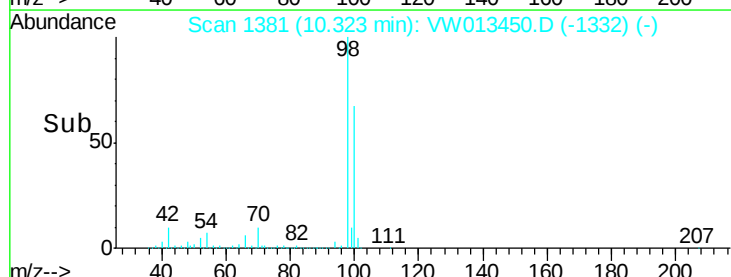
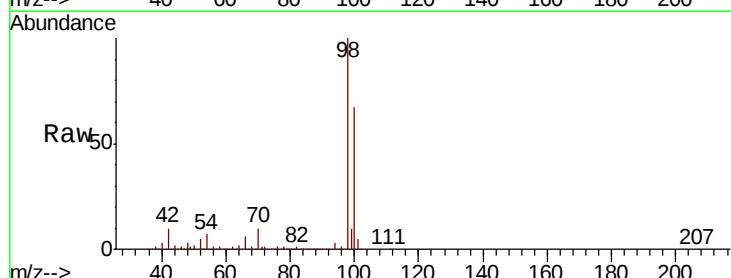
RT: 10.32 min Scan# 1381

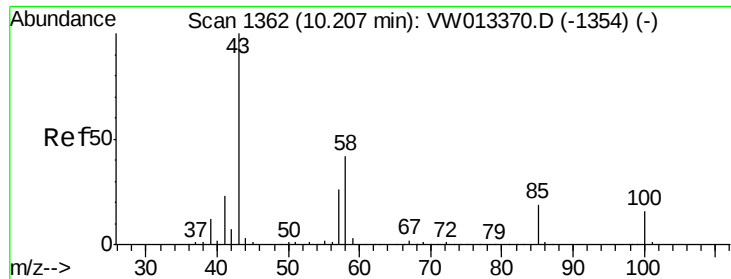
Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion:	98	Resp:	518226
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 278.389 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 540359

Ion Ratio Lower Upper

43 100

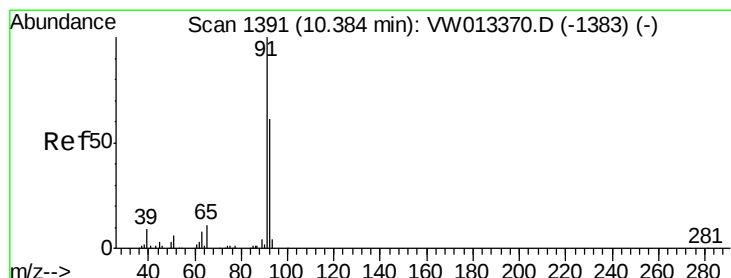
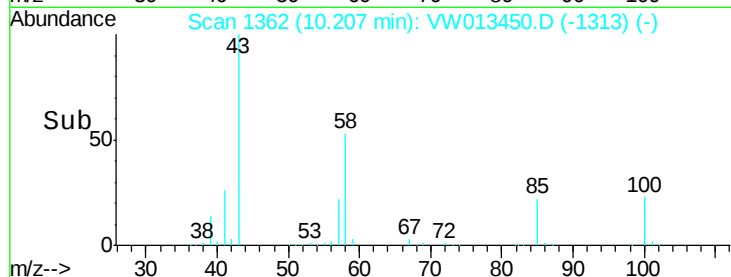
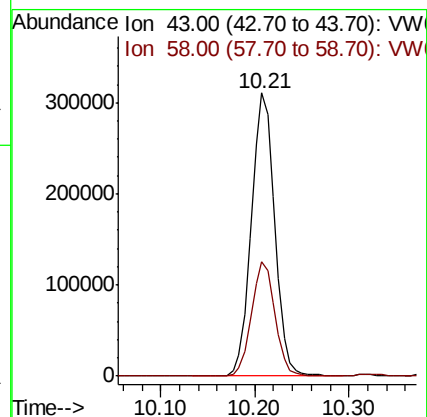
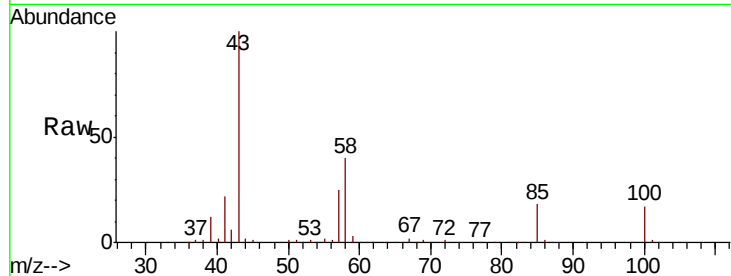
58 40.5 31.7 47.5

Manual Integrations

APPROVED

MMDadoda

10/9/2019 11:47:51 AM



#52

Toluene

Concen: 49.734 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013450.D

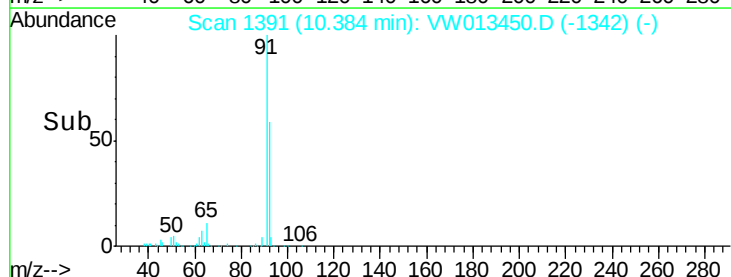
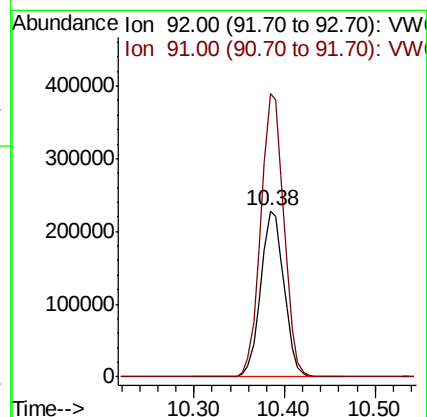
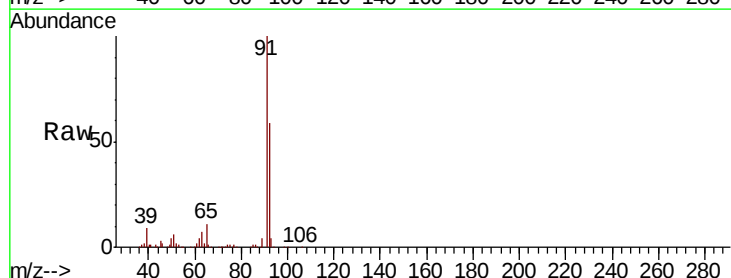
Acq: 04 Oct 2019 20:03

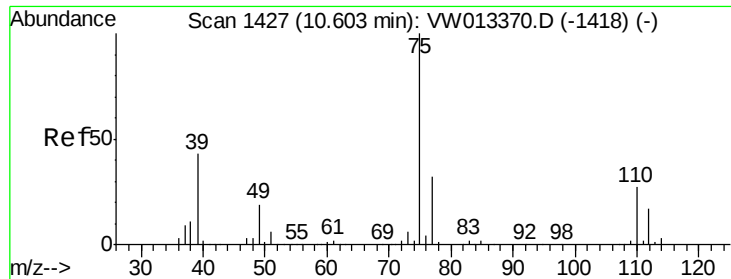
Tgt Ion: 92 Resp: 403873

Ion Ratio Lower Upper

92 100

91 169.7 135.7 203.5





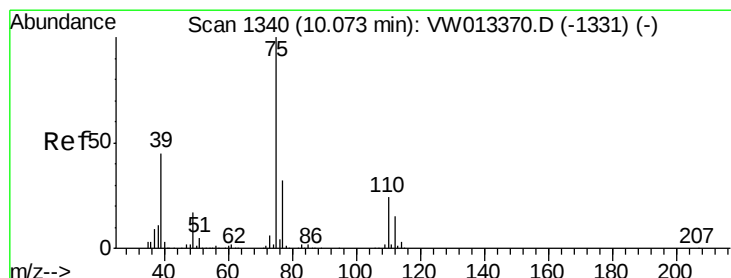
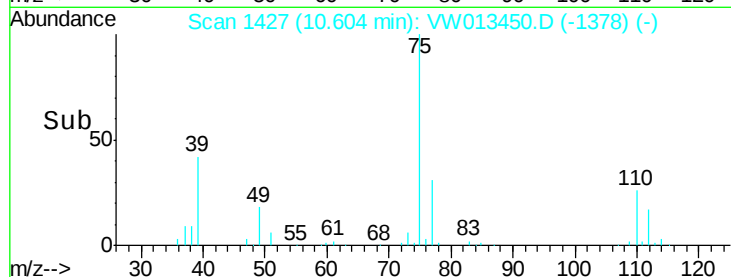
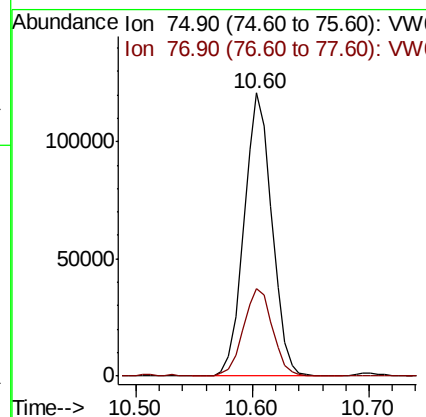
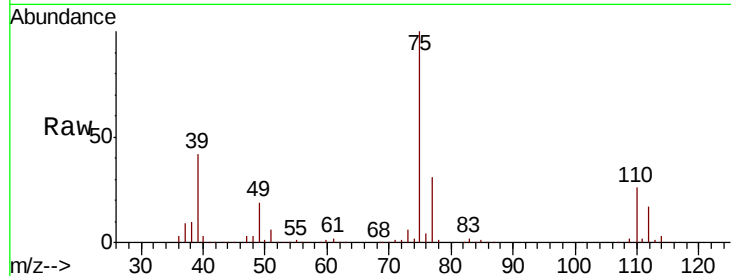
#53
t-1,3-Dichloropropene
Concen: 52.317 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 201706
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3

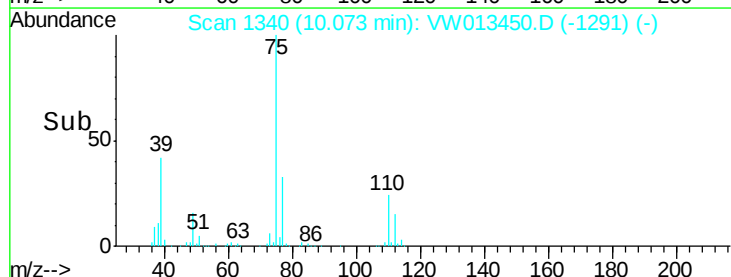
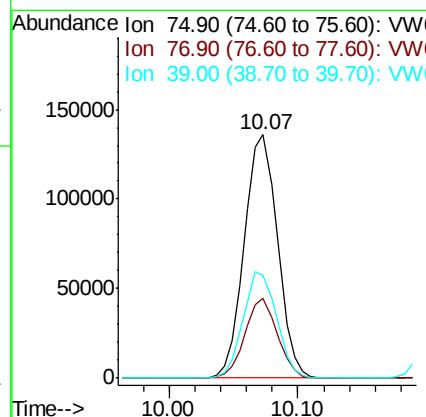
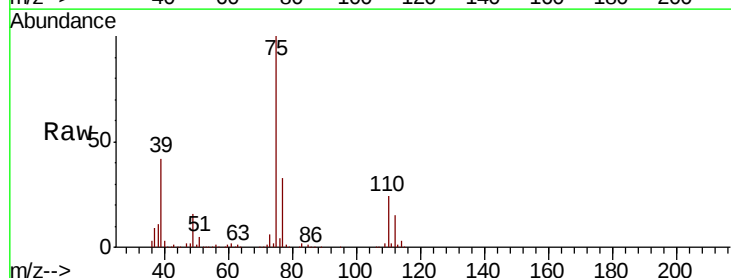
Manual Integrations
APPROVED

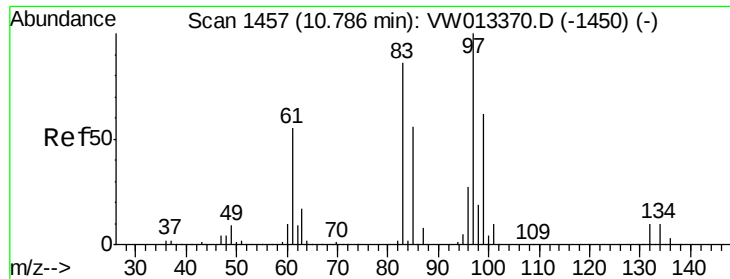
MMDadoda
10/9/2019 11:47:51 AM



#54
cis-1,3-Dichloropropene
Concen: 51.947 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 75 Resp: 242823
Ion Ratio Lower Upper
75 100
77 32.8 25.2 37.8
39 42.4 36.6 55.0





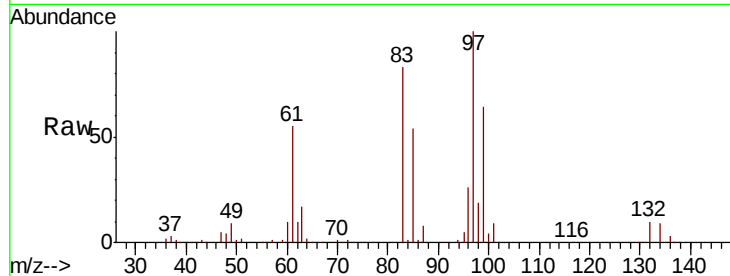
#55
 1,1,2-Trichloroethane
 Concen: 52.175 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

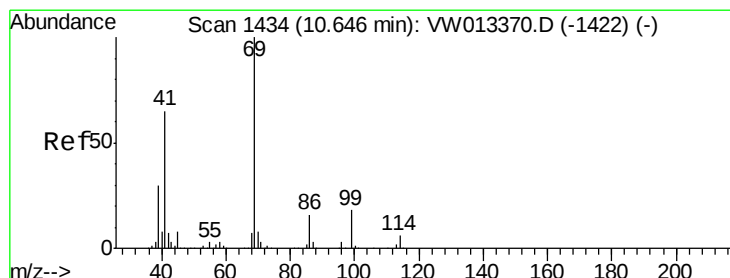
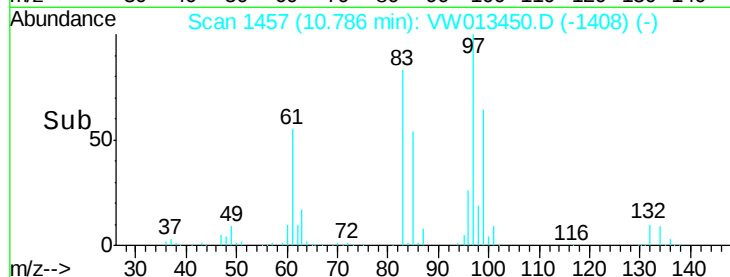
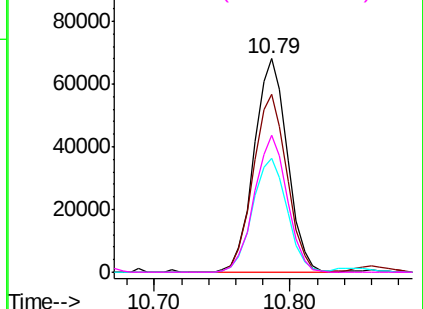
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		117191		
83	83.5	67.6	101.4		
85	53.6	41.9	62.9		
99	64.2	50.1	75.1		

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 11:47:51 AM

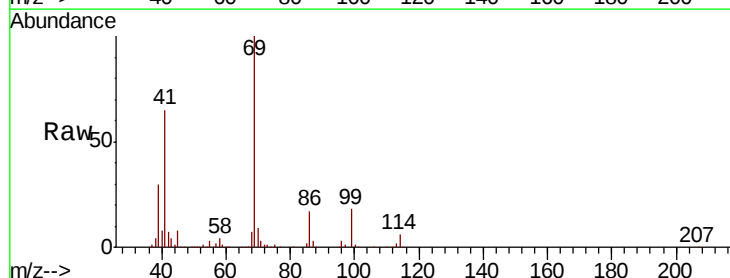


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

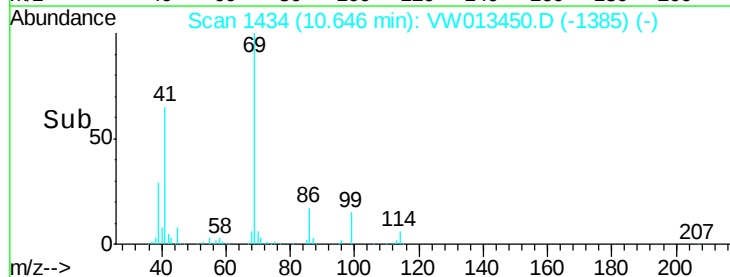
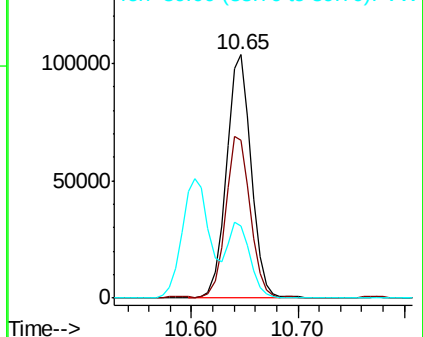


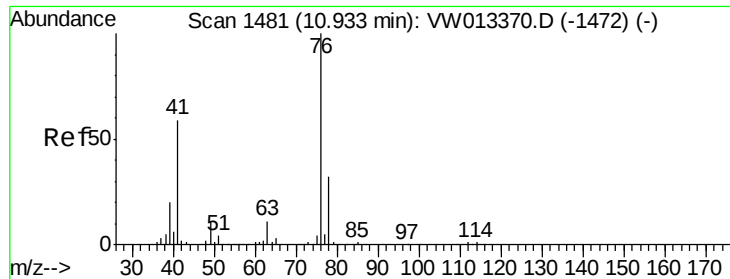
#56
 Ethyl methacrylate
 Concen: 55.613 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		168132		
41	66.1	53.9	80.9		
39	27.4	23.8	35.6		



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





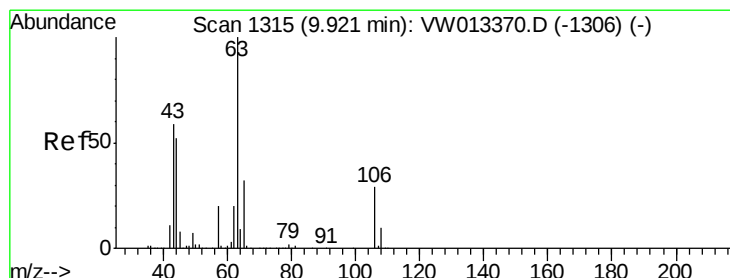
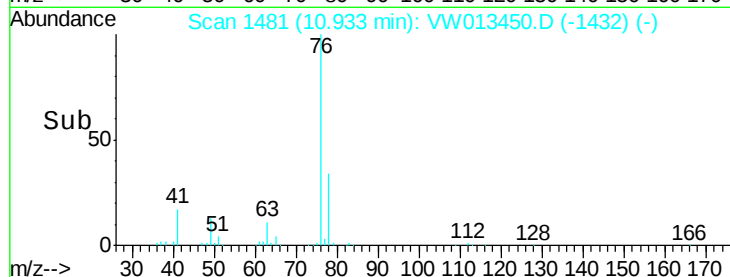
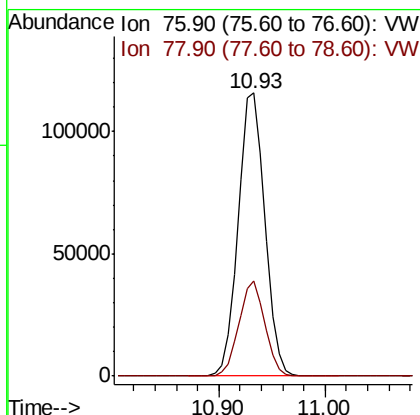
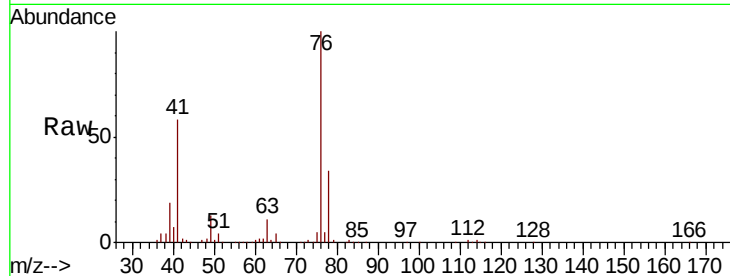
#57
 1,3-Dichloropropane
 Concen: 52.260 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 204065
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3

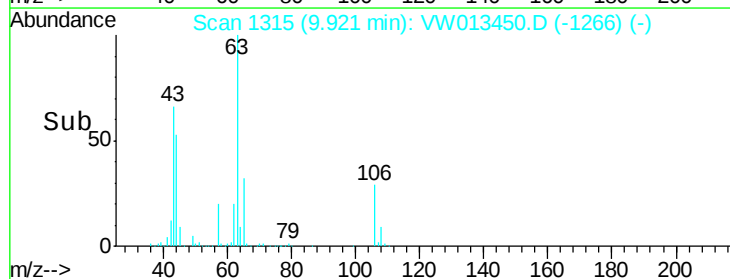
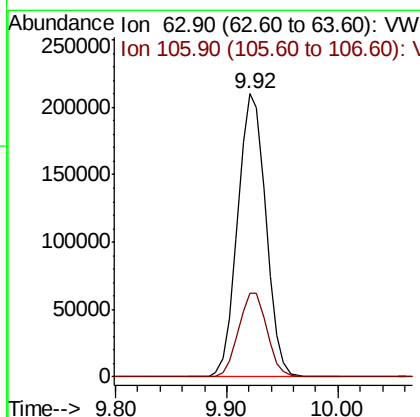
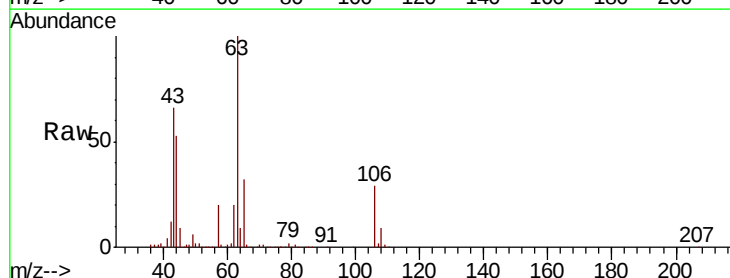
Manual Integrations
 APPROVED

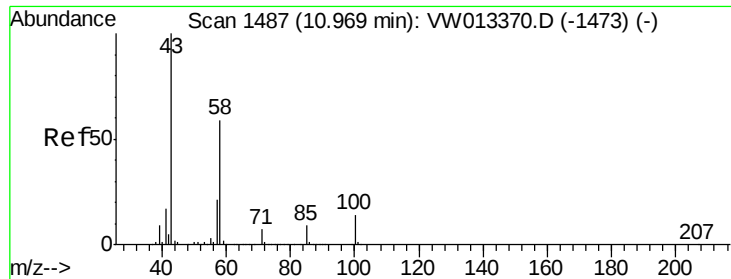
MMDadoda
 10/9/2019 11:47:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 296.733 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion: 63 Resp: 368509
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0





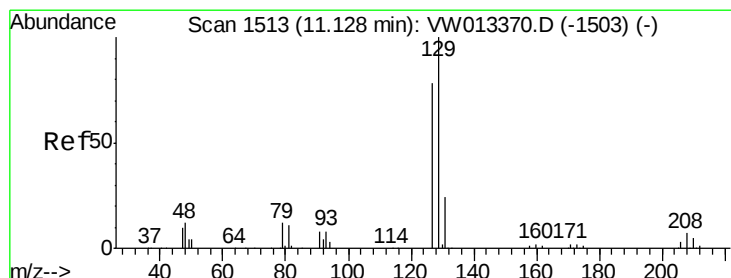
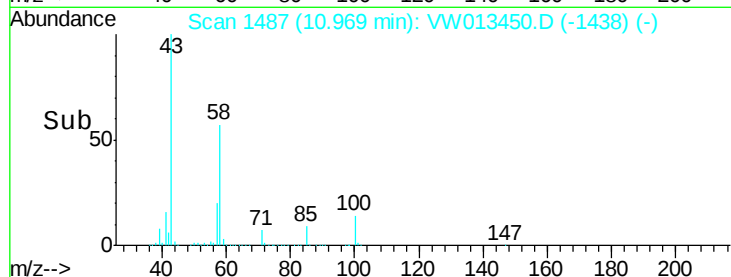
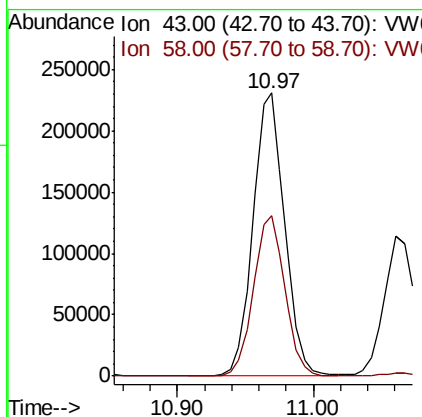
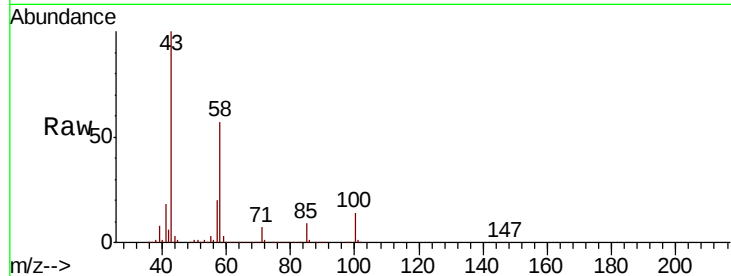
#59
2-Hexanone
Concen: 279.130 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 375536
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.2

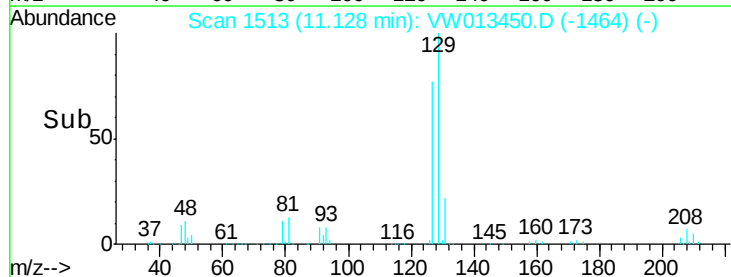
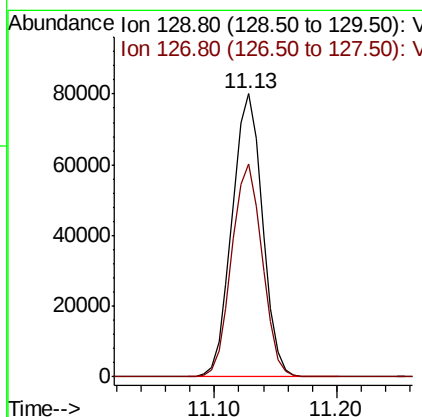
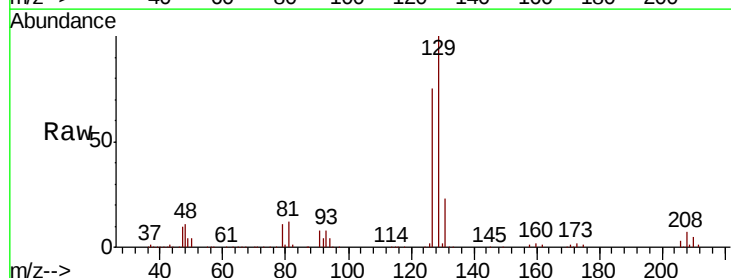
Manual Integrations
APPROVED

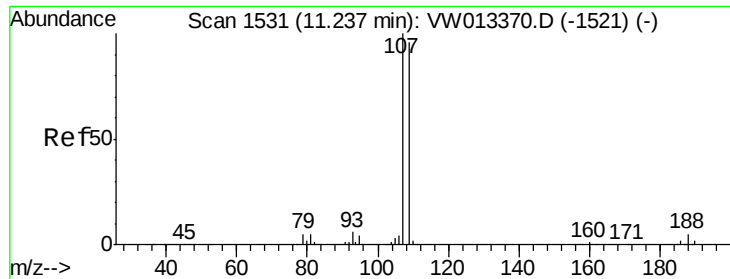
MMDadoda
10/9/2019 11:47:51 AM



#60
Dibromochloromethane
Concen: 53.658 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 129 Resp: 137880
Ion Ratio Lower Upper
129 100
127 75.5 38.8 116.4





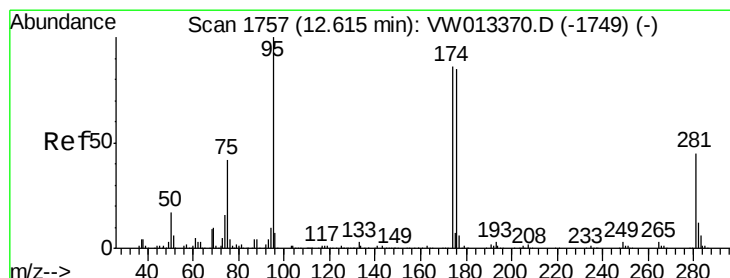
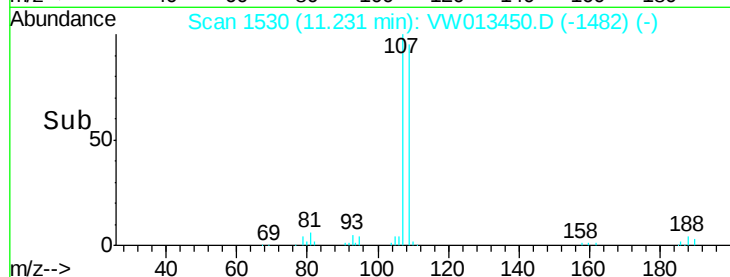
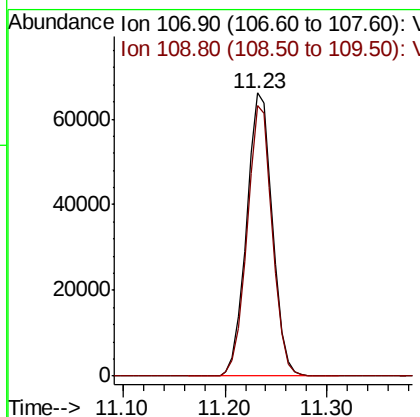
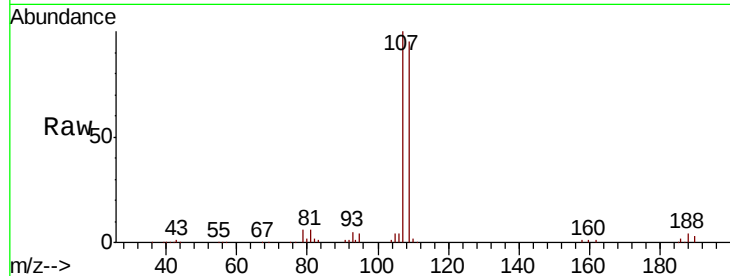
#61
 1,2-Dibromoethane
 Concen: 53.799 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8

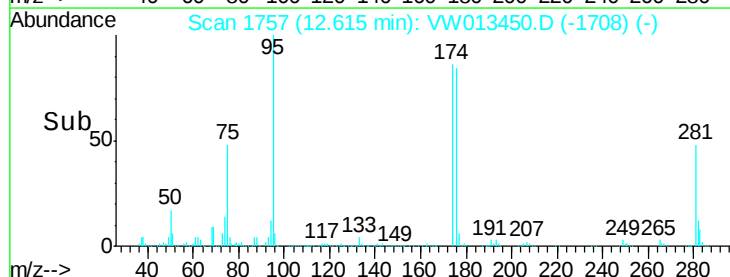
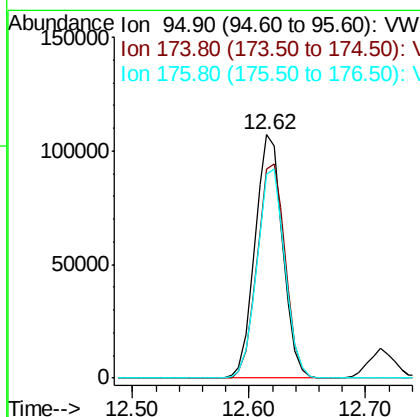
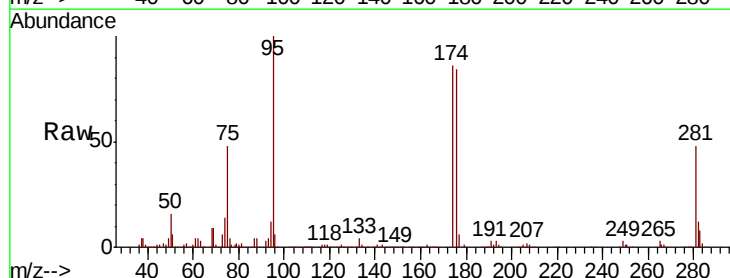
Manual Integrations
 APPROVED

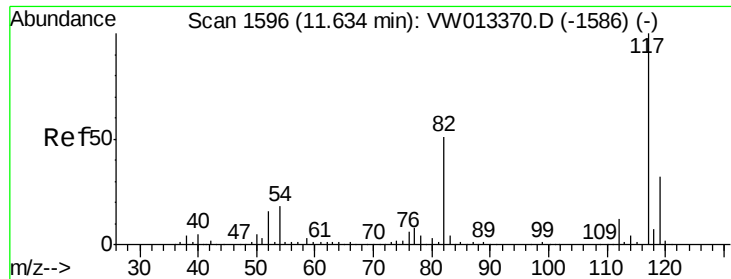
MMDadoda
 10/9/2019 11:47:51 AM



#62
 4-Bromofluorobenzene
 Concen: 50.997 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	178.4
176	86.5	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: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

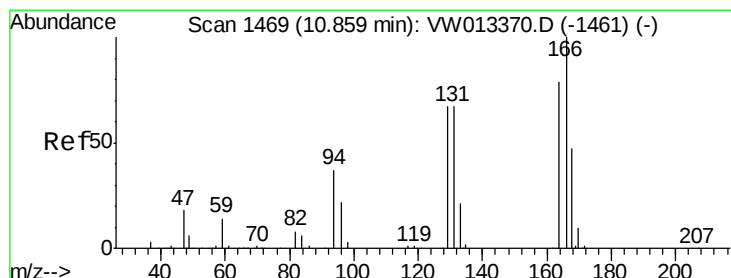
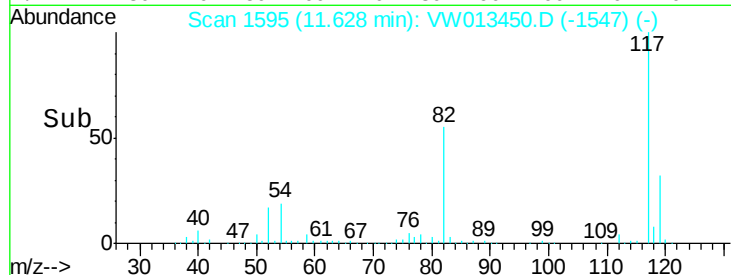
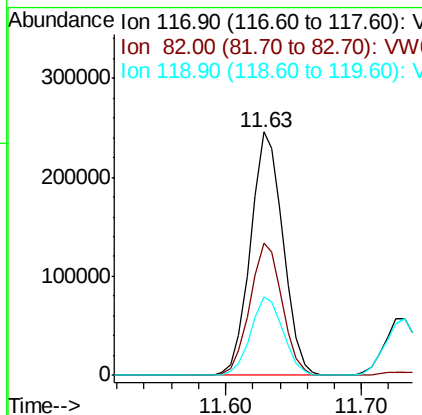
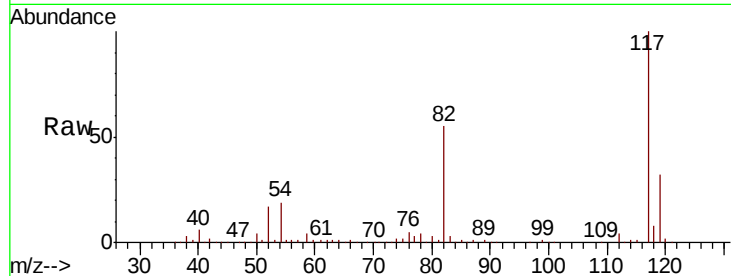
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	411981
Ion Ratio	Lower	Upper	
117	100		
82	54.6	45.9	68.9
119	32.3	26.2	39.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM



#64

Tetrachloroethene

Concen: 50.865 ug/l

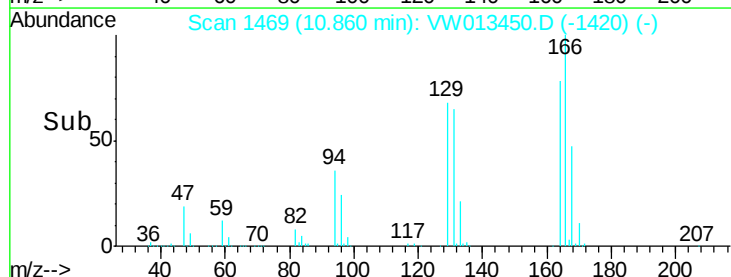
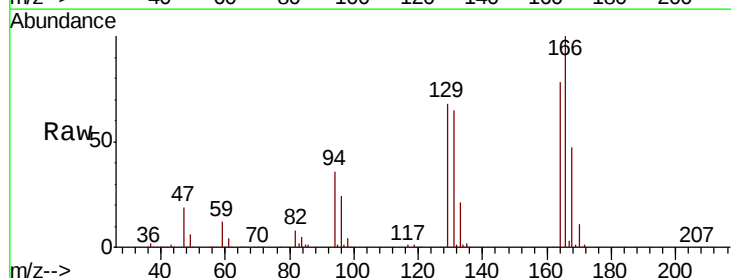
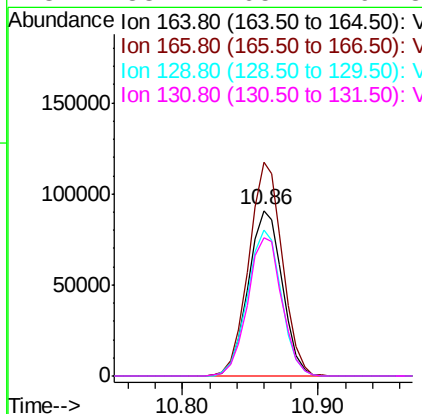
RT: 10.86 min Scan# 1469

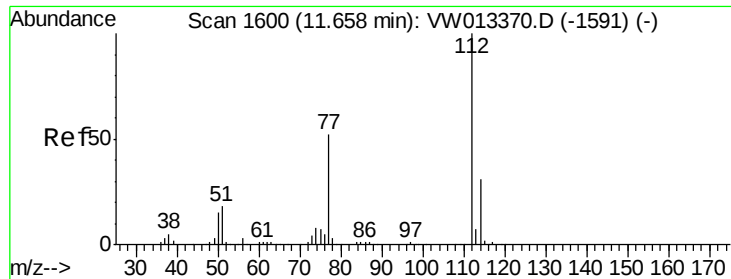
Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion:	164	Resp:	159428
Ion Ratio	Lower	Upper	
164	100		
166	128.9	101.2	151.8
129	88.2	68.8	103.2
131	83.2	65.2	97.8





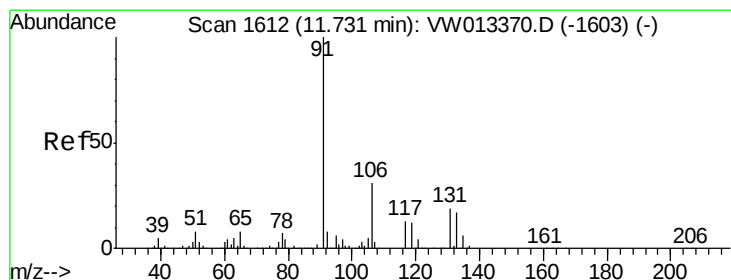
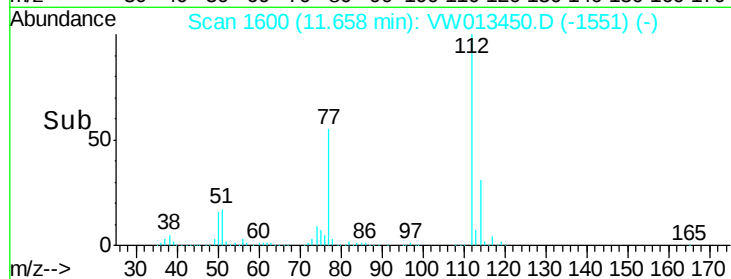
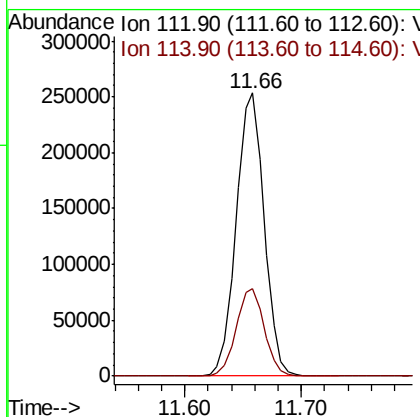
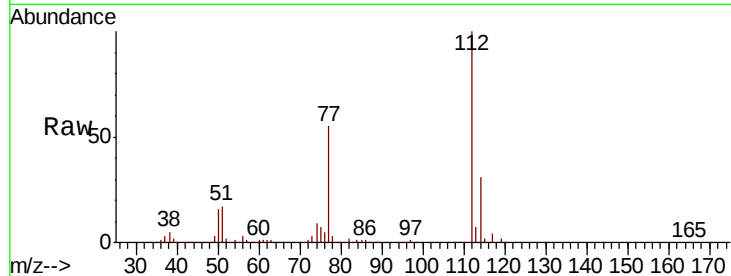
#65
Chlorobenzene
Concen: 50.165 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	26.5	39.7

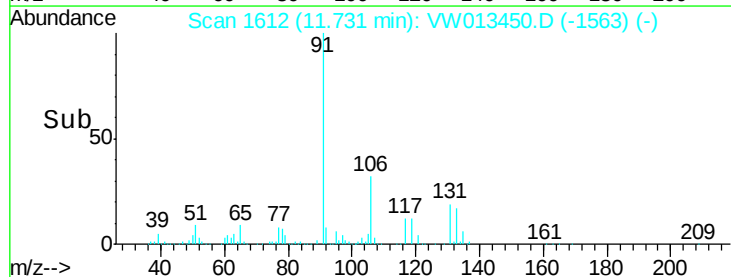
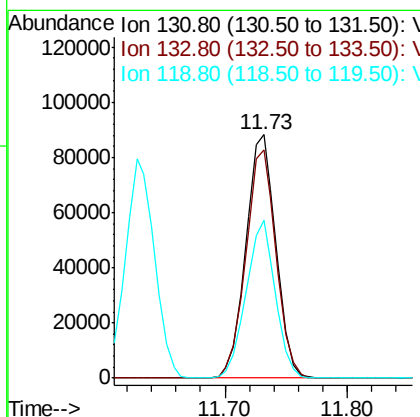
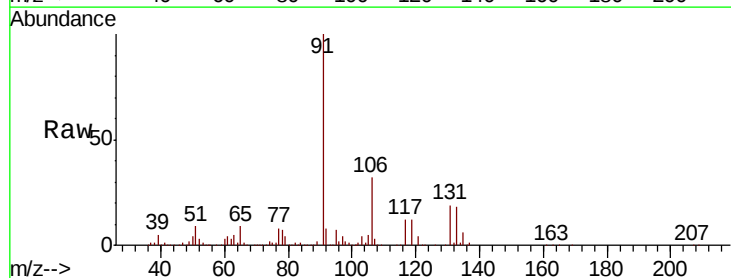
Manual Integrations
APPROVED

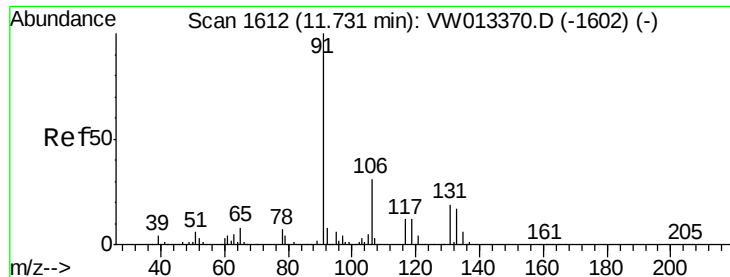
MMDadoda
10/9/2019 11:47:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.5	142.6
119	63.2	32.5	97.5





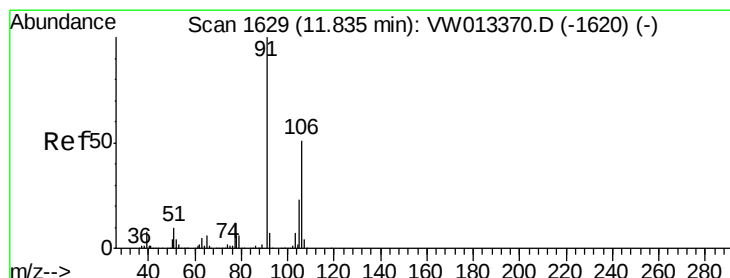
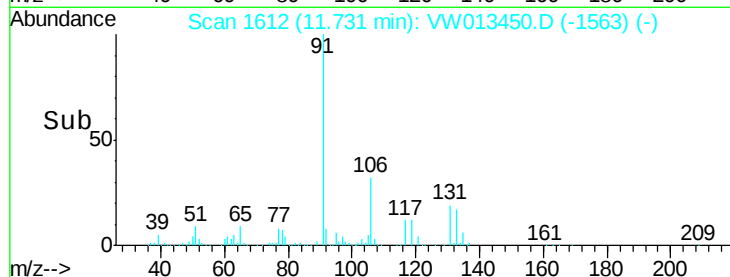
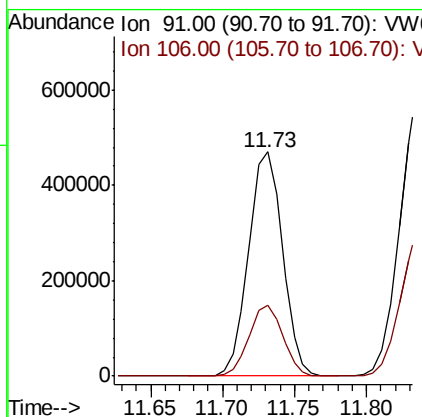
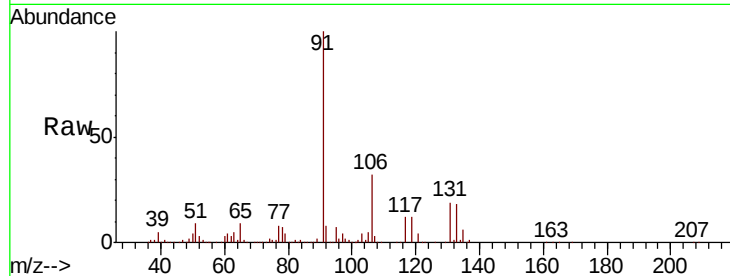
#67
Ethyl Benzene
Concen: 50.780 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 768150
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

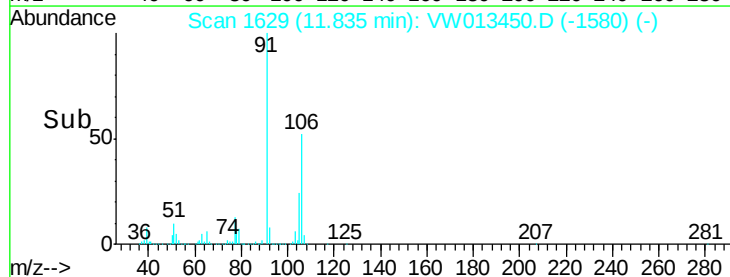
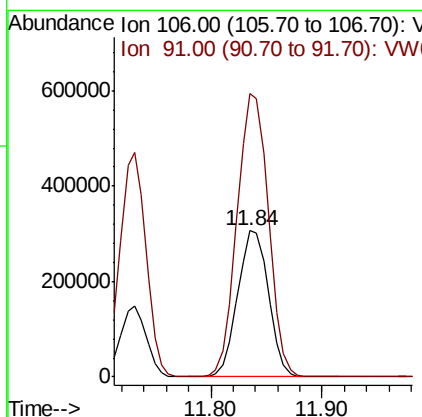
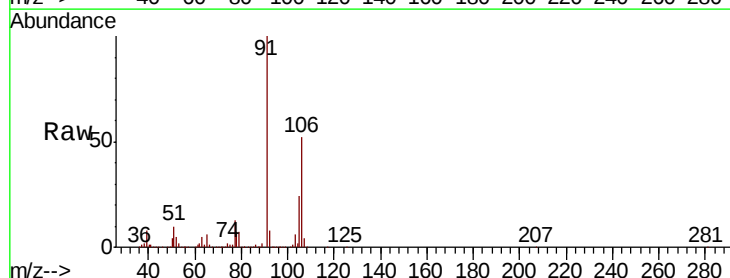
Manual Integrations
APPROVED

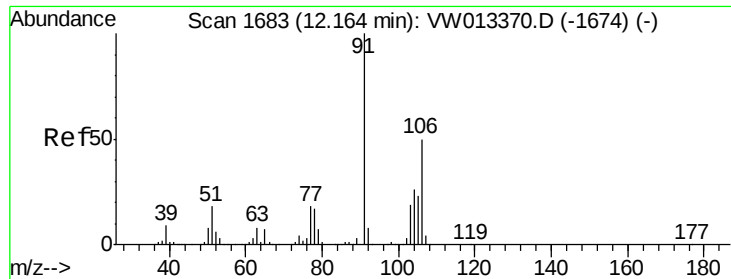
MMDadoda
10/9/2019 11:47:51 AM



#68
m/p-Xylenes
Concen: 101.006 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion: 106 Resp: 589760
Ion Ratio Lower Upper
106 100
91 196.3 157.9 236.9





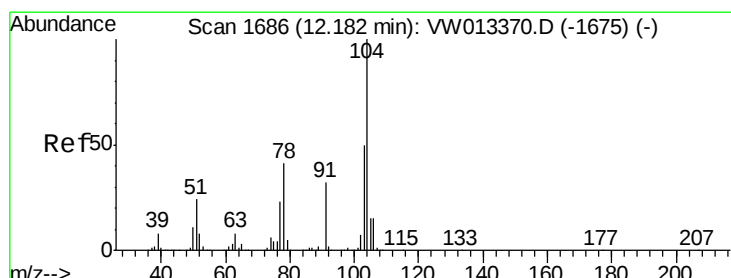
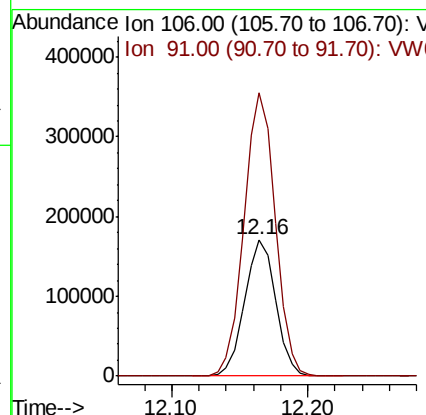
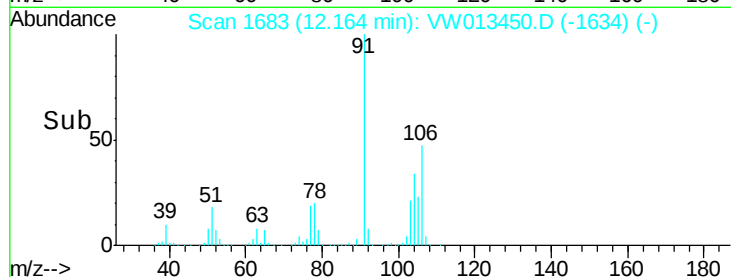
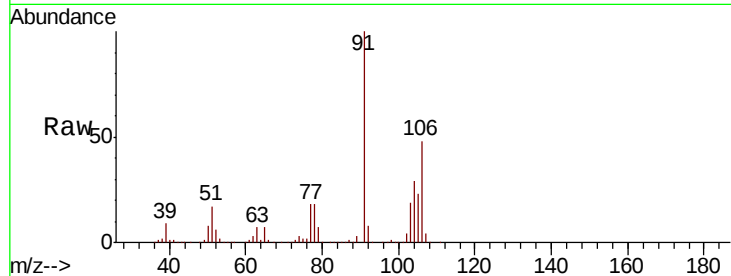
#69
o-Xylene
Concen: 50.533 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		272802		
91	208.9	106.5	319.5		

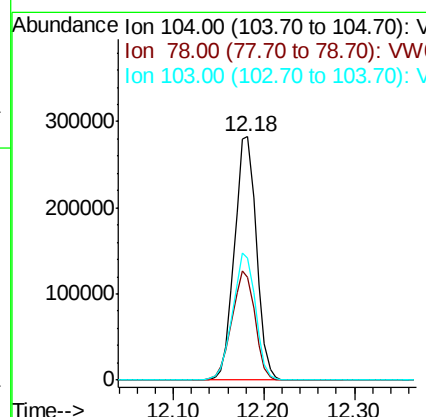
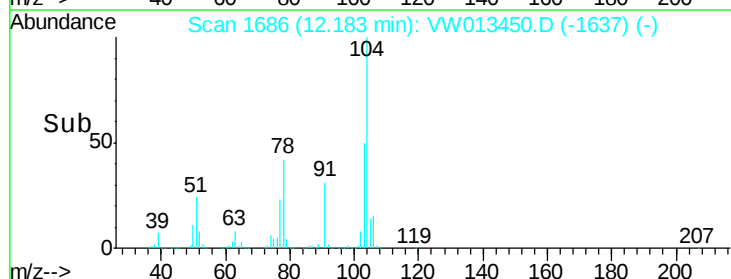
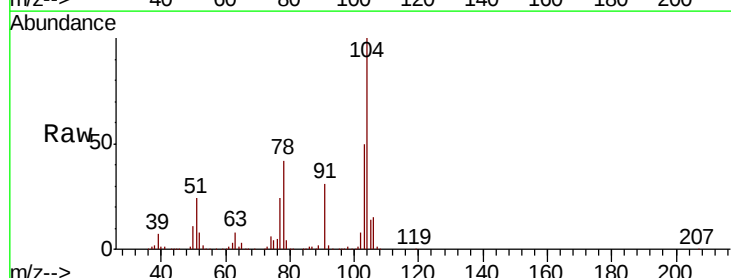
Manual Integrations
APPROVED

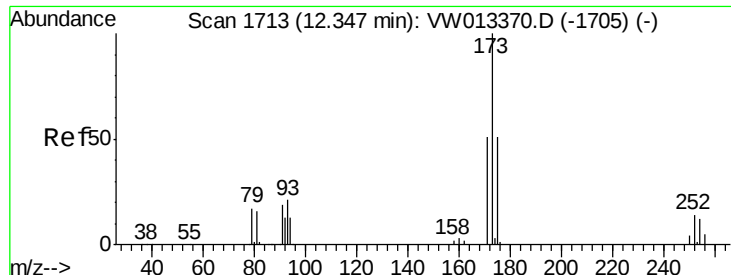
MMDadoda
10/9/2019 11:47:51 AM



#70
Styrene
Concen: 51.431 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		474627		
78	47.1	38.4	57.6		
103	54.4	43.3	64.9		





#71

Bromoform

Concen: 54.900 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 85566

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

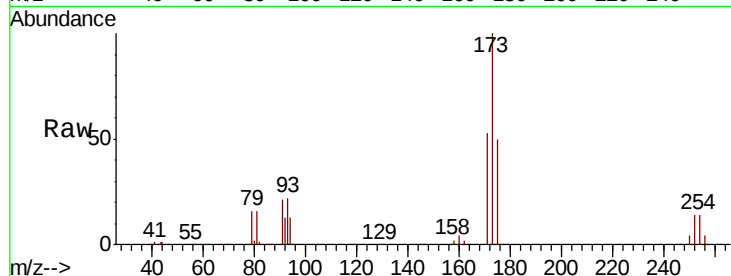
254 0.1 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

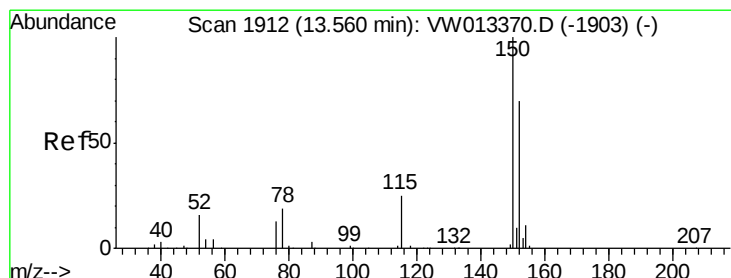
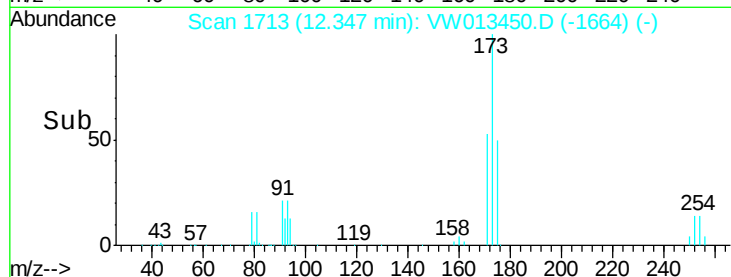
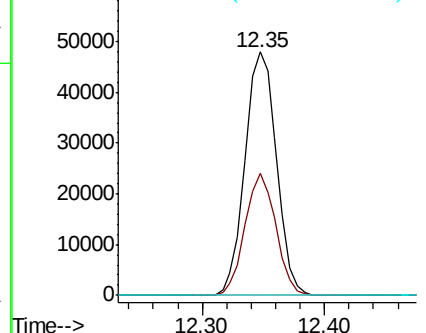
10/9/2019 11:47:51 AM



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: VW013450.D

Acq: 04 Oct 2019 20:03

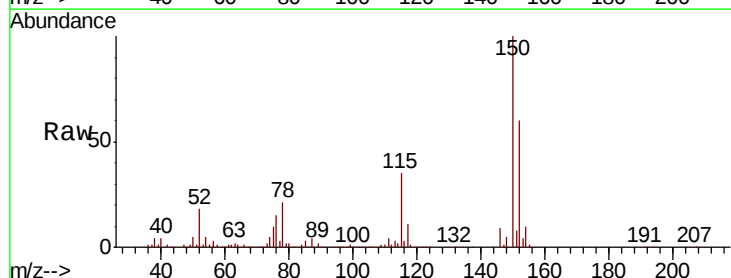
Tgt Ion:152 Resp: 209581

Ion Ratio Lower Upper

152 100

115 55.8 27.3 81.9

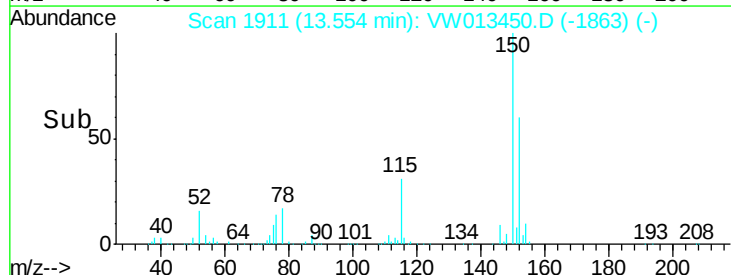
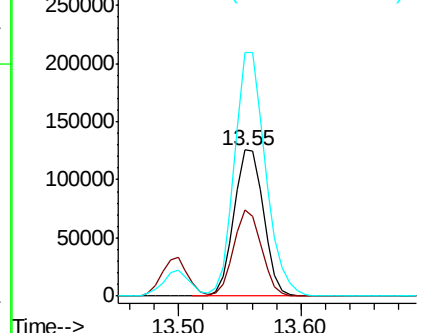
150 175.5 0.0 349.0

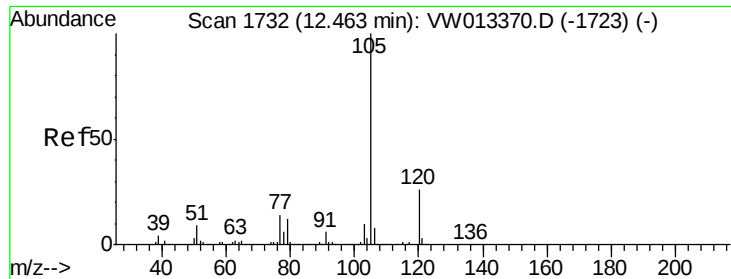


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





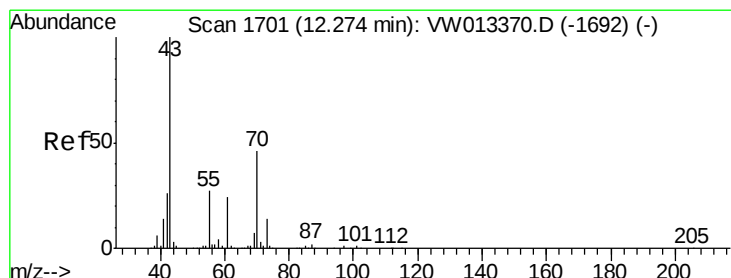
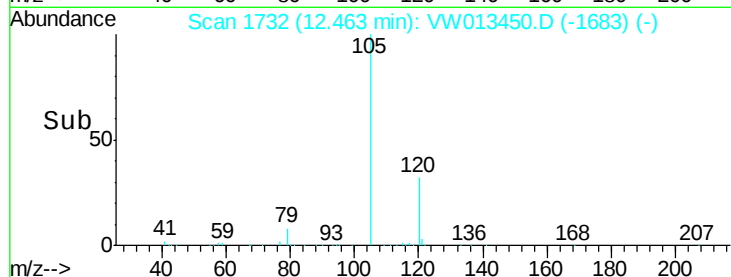
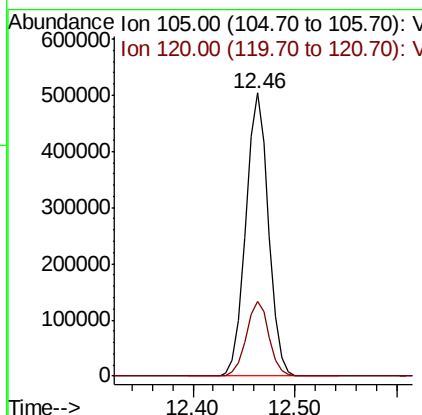
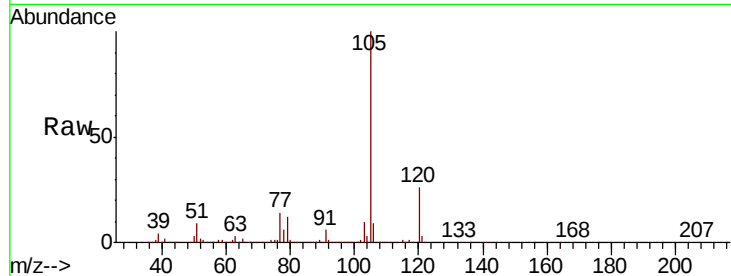
#73
Isopropylbenzene
Concen: 50.644 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.4	40.1

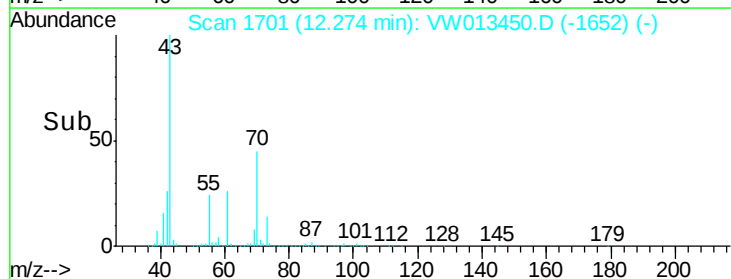
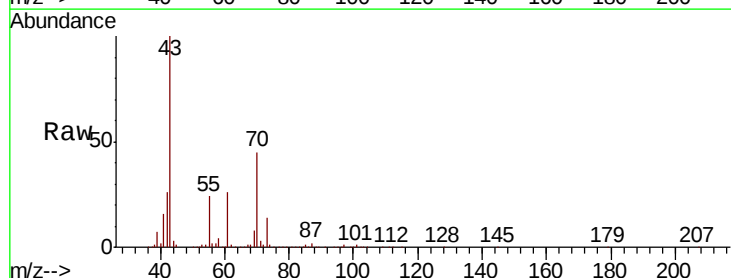
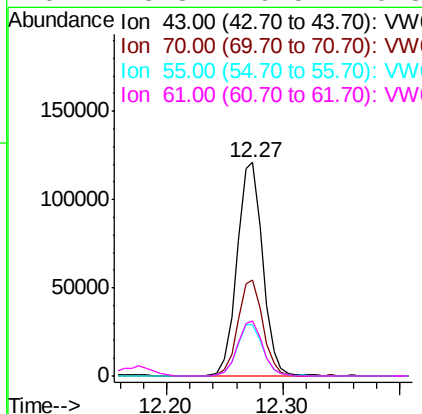
Manual Integrations
APPROVED

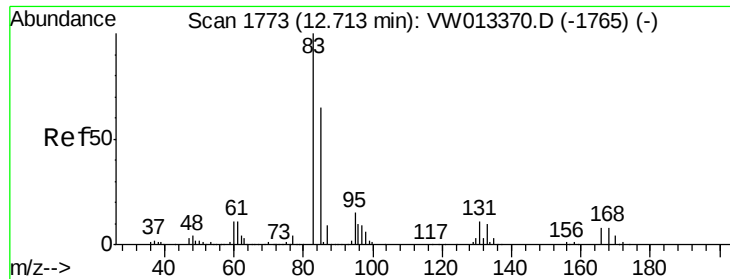
MMDadoda
10/9/2019 11:47:51 AM



#74
N-ethyl acetate
Concen: 56.767 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.0	35.1	52.7
55	24.2	19.9	29.9
61	25.3	19.5	29.3





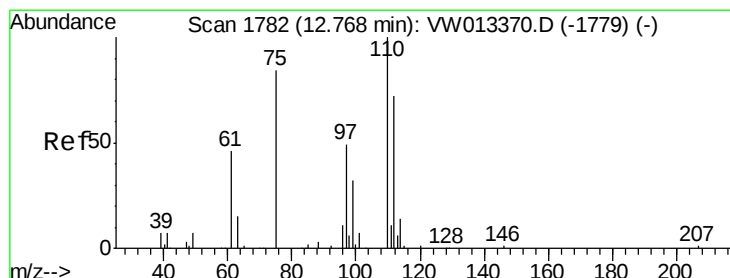
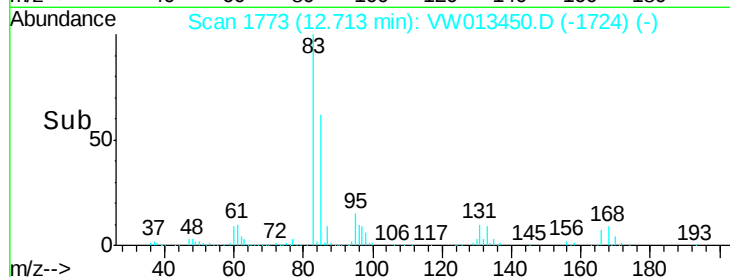
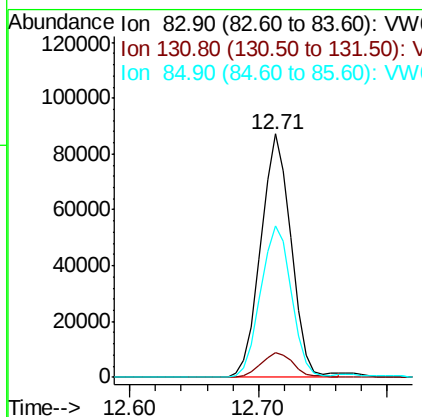
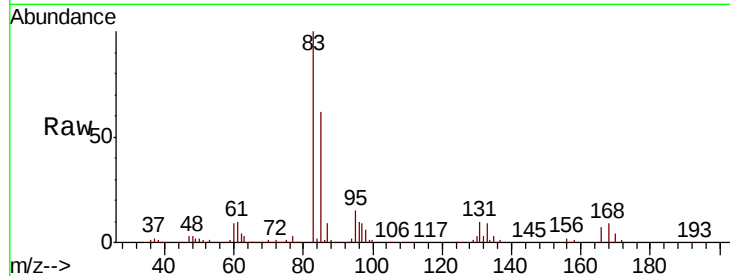
#75
 1,1,2,2-Tetrachloroethane
 Concen: 54.654 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	141815
Ion Ratio	100	Lower	Upper
83	100		
131	11.1	5.4	16.2
85	63.6	31.9	95.9

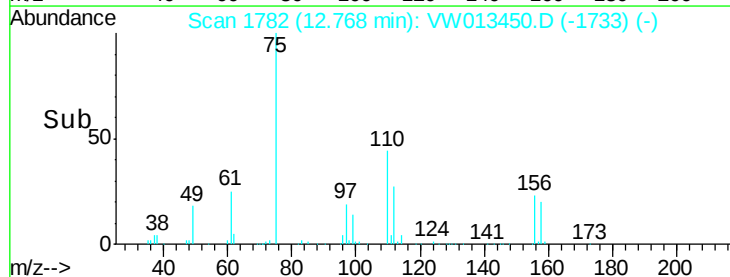
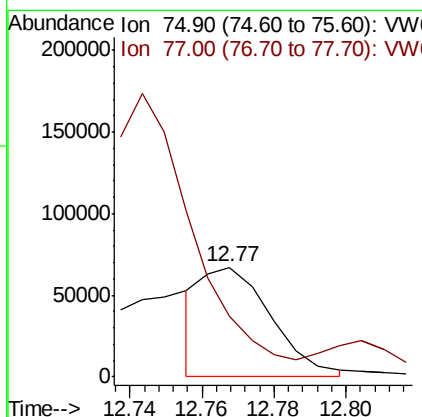
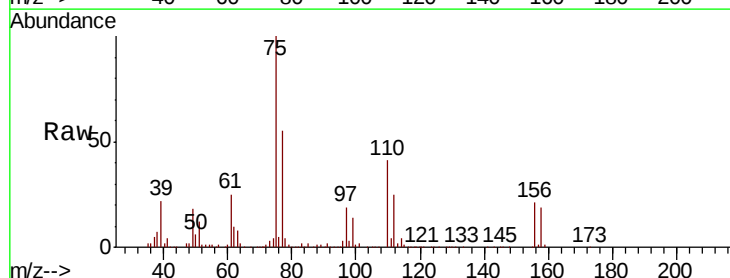
Manual Integrations
 APPROVED

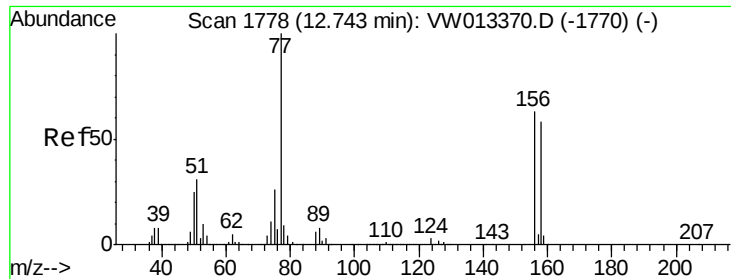
MMDadoda
 10/9/2019 11:47:51 AM



#76
 1,2,3-Trichloropropane
 Concen: 48.230 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	75	Resp	89837
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.139 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

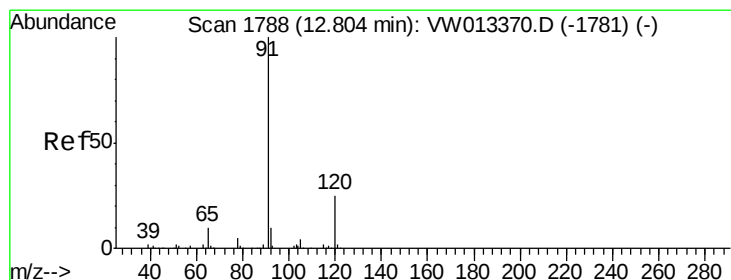
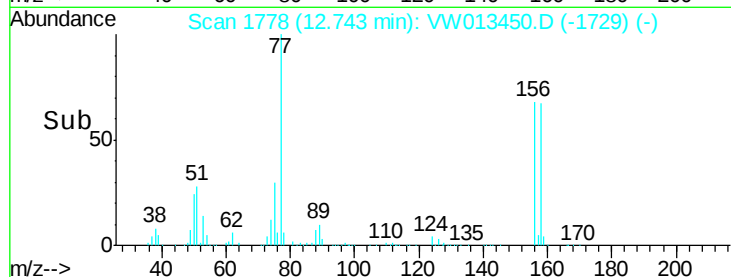
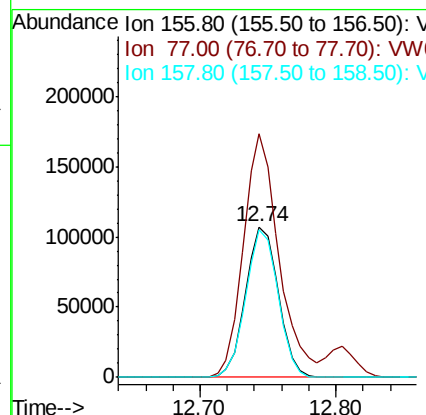
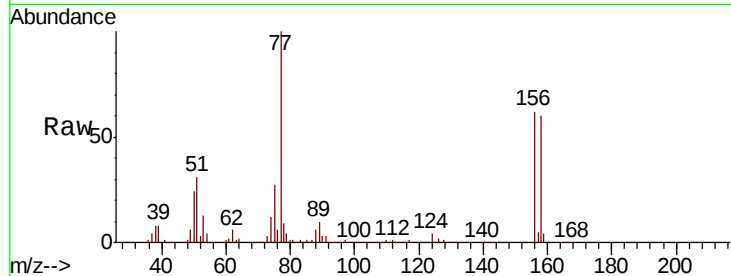
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	180887
Ion Ratio	Lower	Upper	
156	100		
77	174.3	85.7	257.1
158	96.8	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM



#78

n-propylbenzene

Concen: 50.460 ug/l

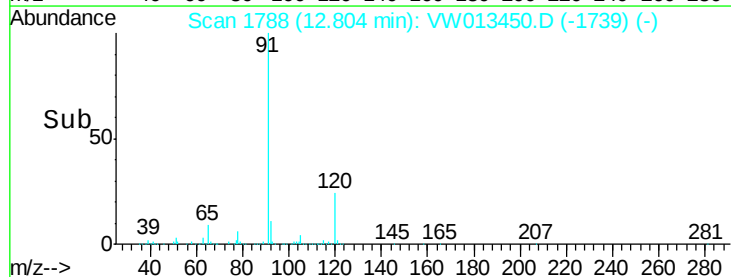
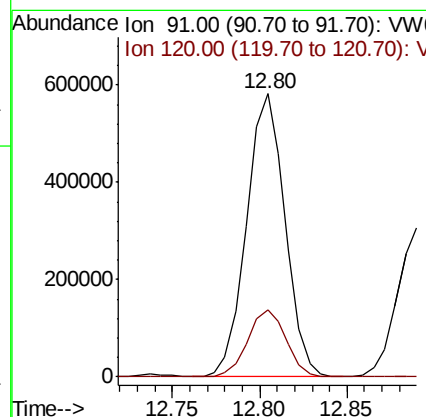
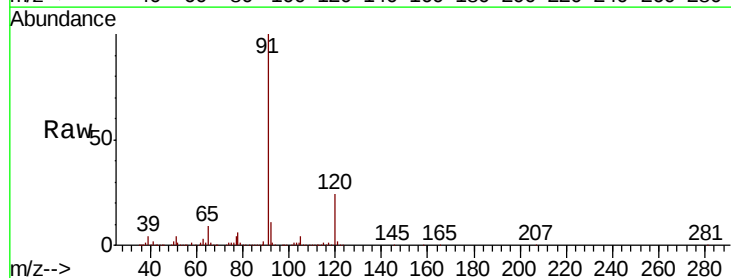
RT: 12.80 min Scan# 1788

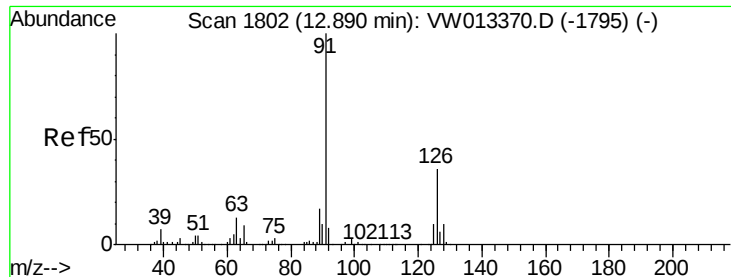
Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Tgt Ion:	91	Resp:	889825
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.7	35.1





#79

2-Chlorotoluene

Concen: 50.662 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 496216

Ion Ratio Lower Upper

91 100

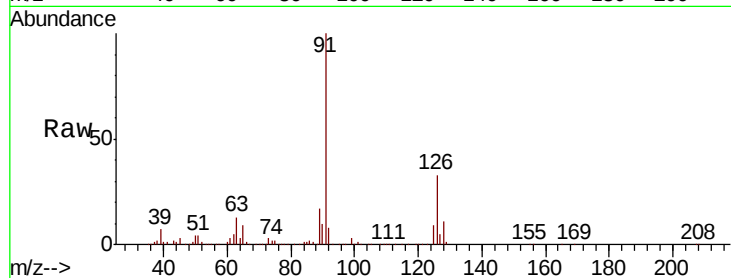
126 35.0 17.2 51.5

Manual Integrations

APPROVED

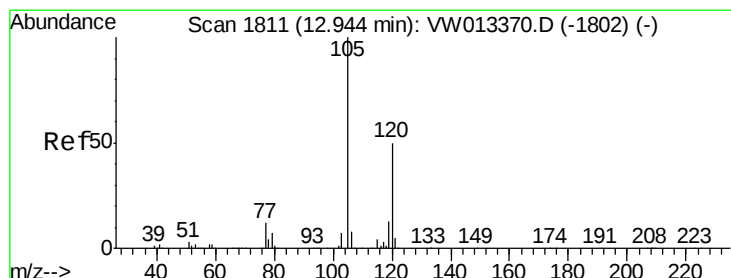
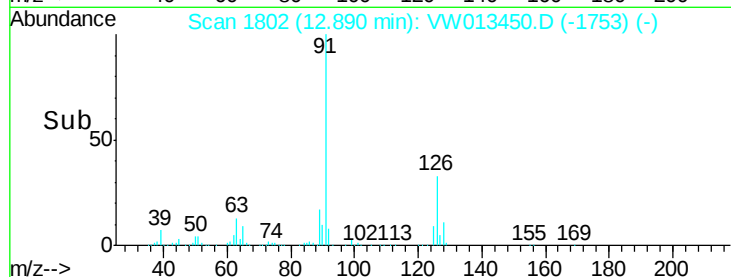
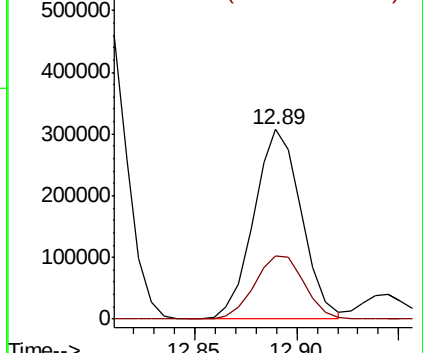
MMDadoda

10/9/2019 11:47:51 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.620 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013450.D

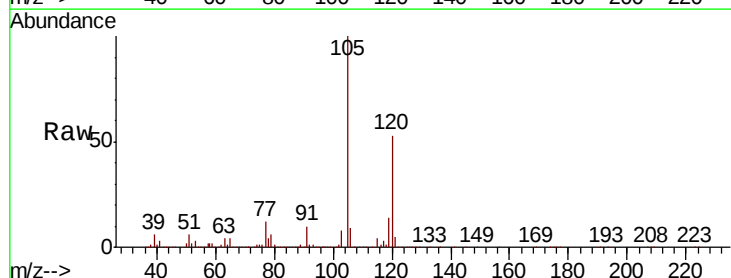
Acq: 04 Oct 2019 20:03

Tgt Ion: 105 Resp: 631906

Ion Ratio Lower Upper

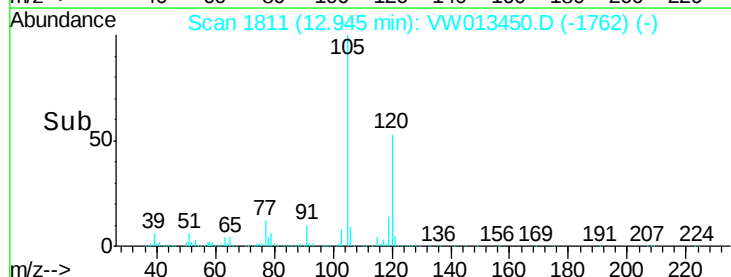
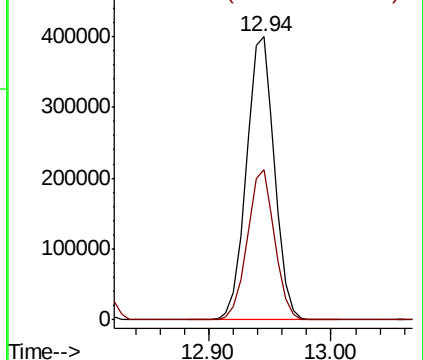
105 100

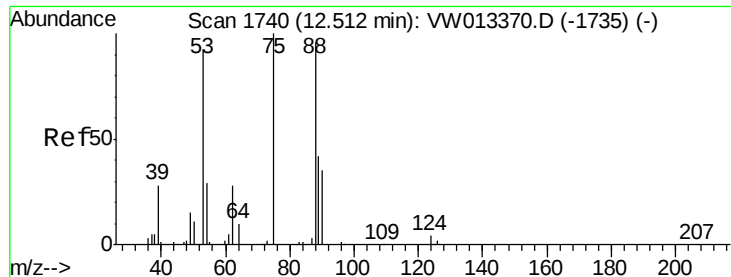
120 51.7 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





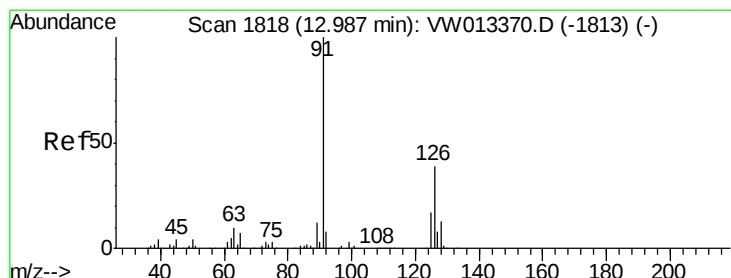
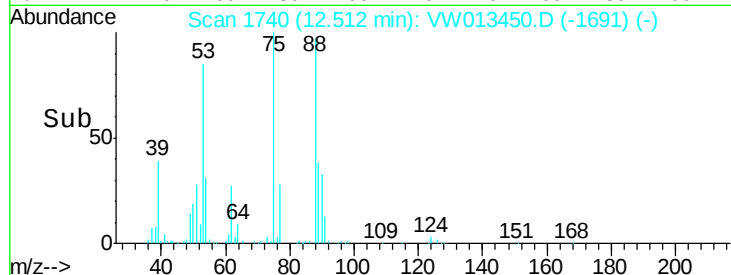
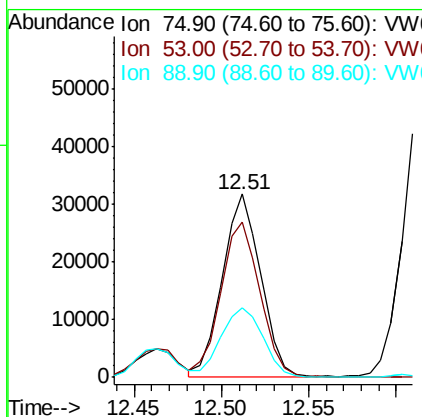
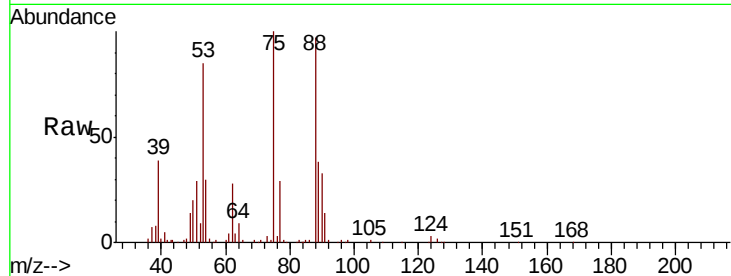
#81
trans-1,4-Dichloro-2-butene
Concen: 54.509 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.7	76.6	114.8
89	41.6	33.5	50.3

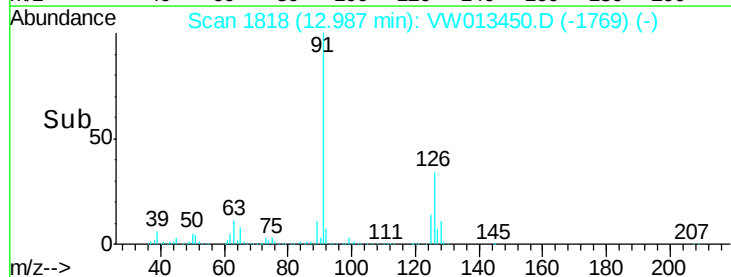
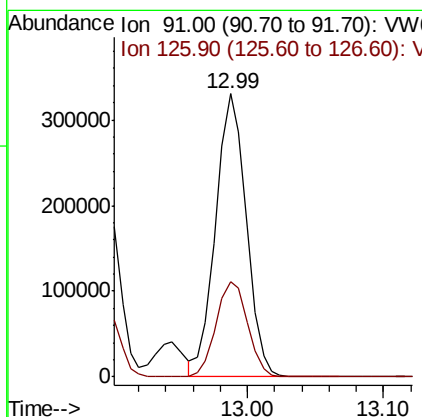
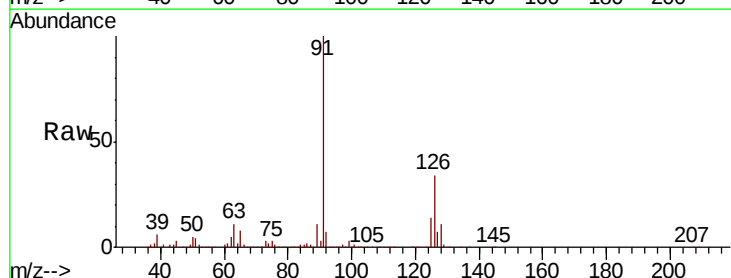
Manual Integrations
APPROVED

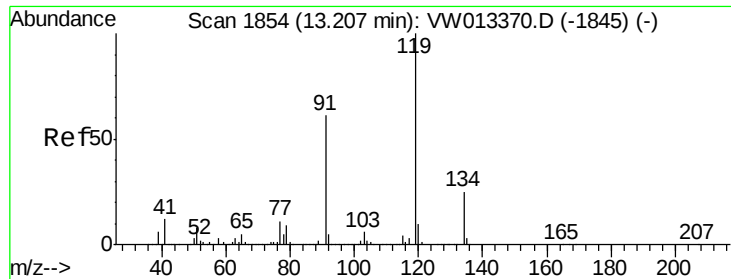
MMDadoda
10/9/2019 11:47:51 AM



#82
4-Chlorotoluene
Concen: 50.257 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.3	51.7





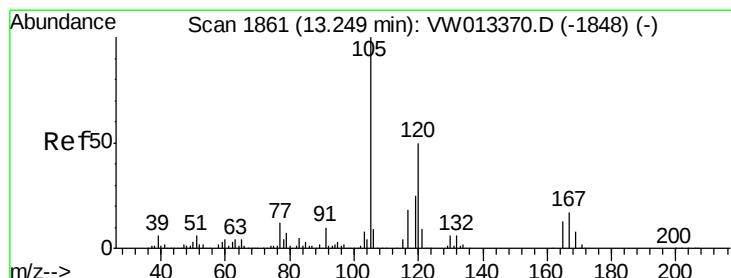
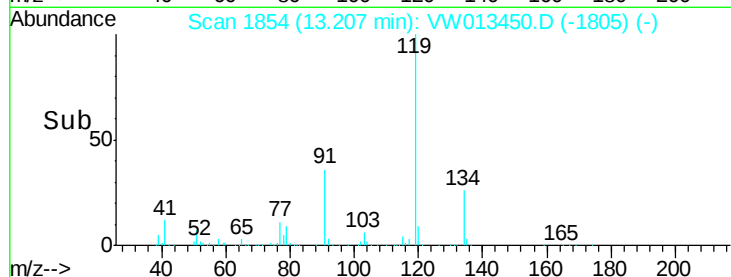
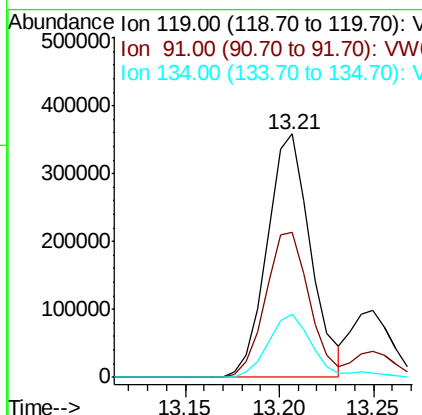
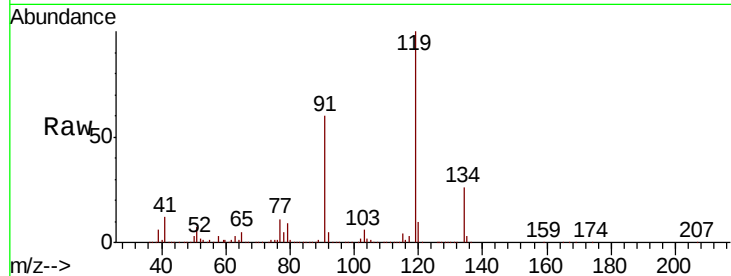
#83
tert-Butylbenzene
Concen: 51.465 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	27.2	12.6	37.6

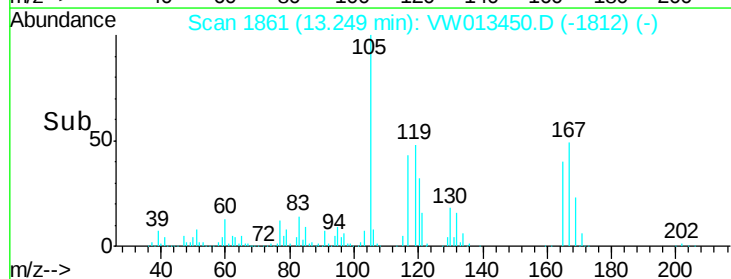
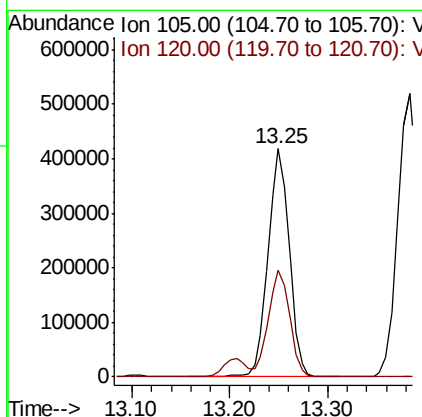
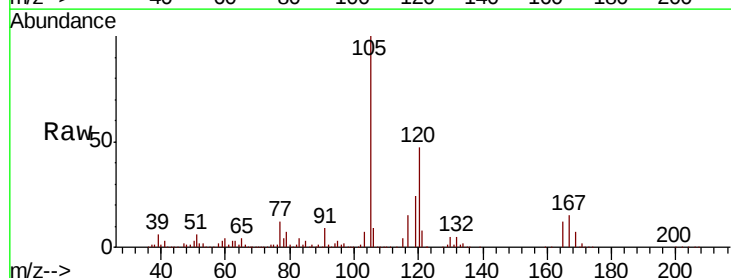
Manual Integrations
APPROVED

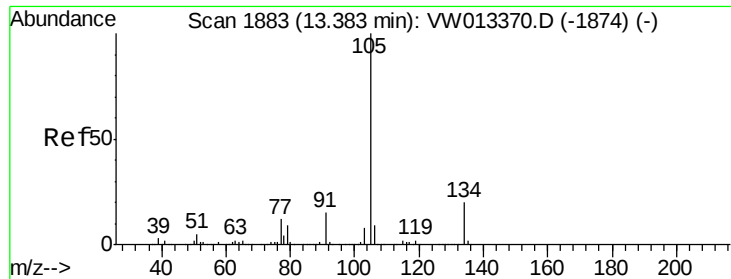
MMDadoda
10/9/2019 11:47:51 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.953 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 51.659 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 792259

Ion Ratio Lower Upper

105 100

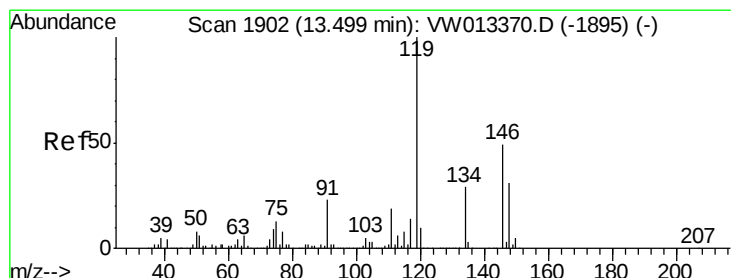
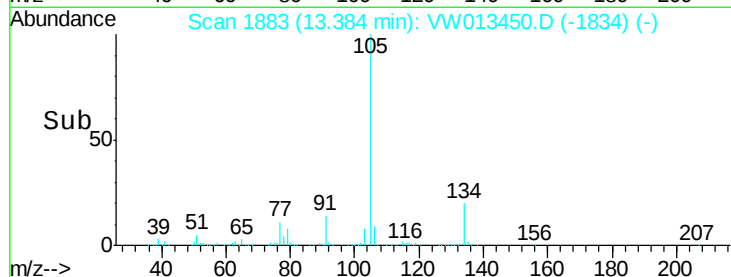
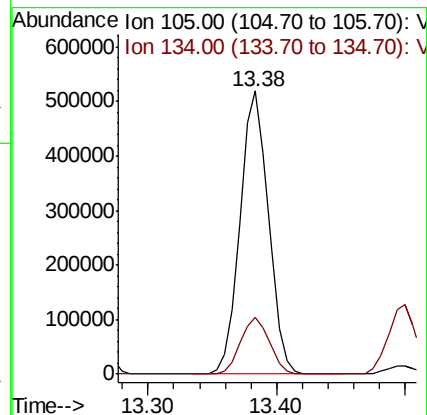
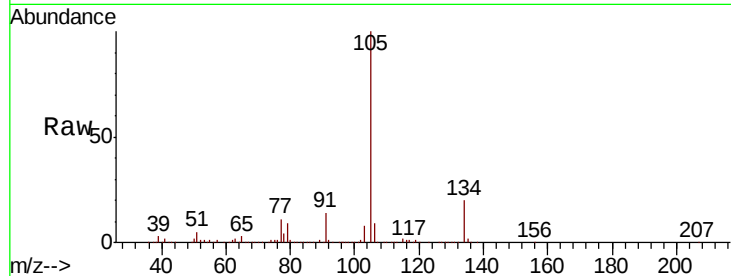
134 20.5 10.3 30.8

Manual Integrations

APPROVED

MMDadoda

10/9/2019 11:47:51 AM



#86

p-Isopropyltoluene

Concen: 51.221 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013450.D

Acq: 04 Oct 2019 20:03

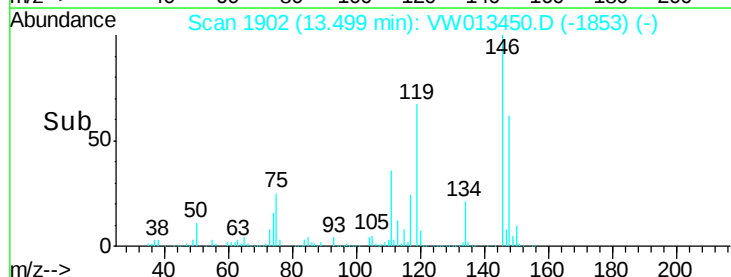
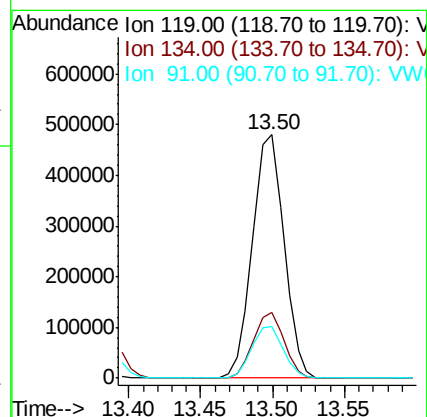
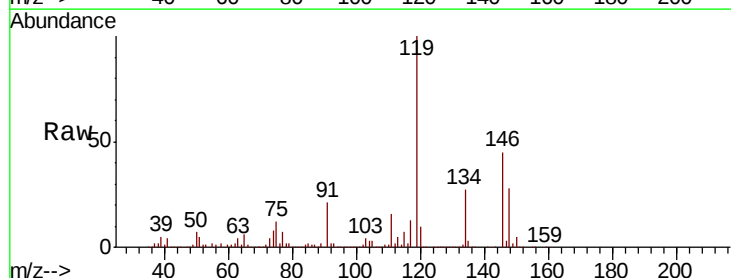
Tgt Ion:119 Resp: 728003

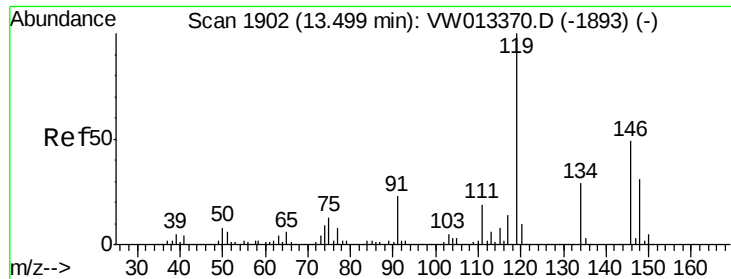
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 21.3 10.8 32.4





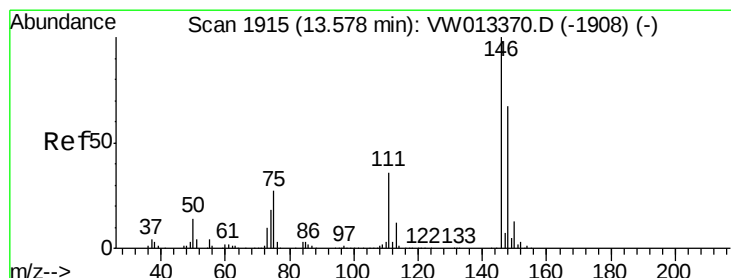
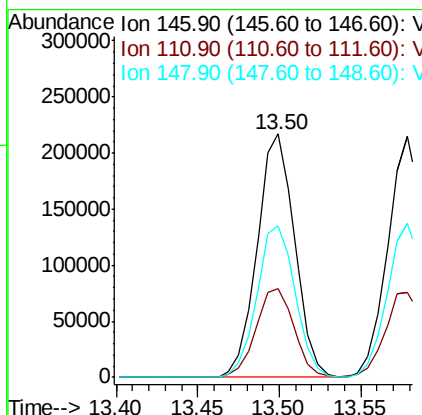
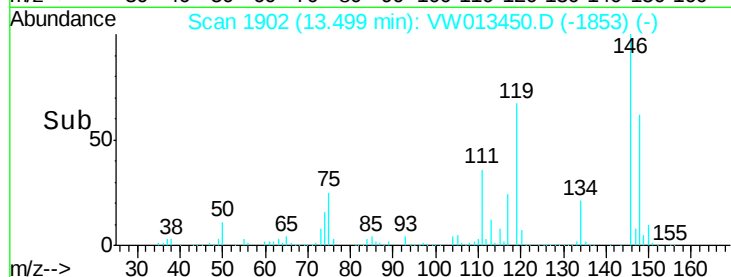
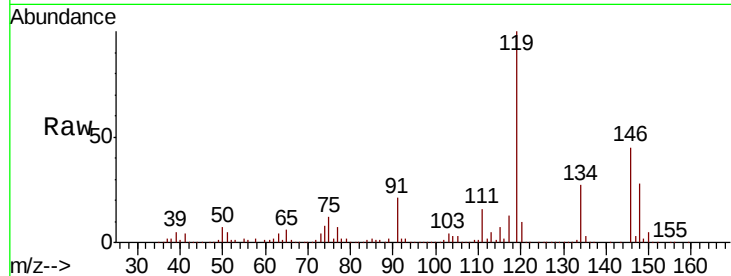
#87
 1,3-Dichlorobenzene
 Concen: 49.994 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	63.7	31.9	95.5

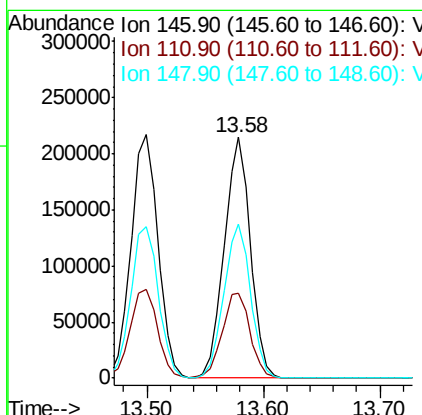
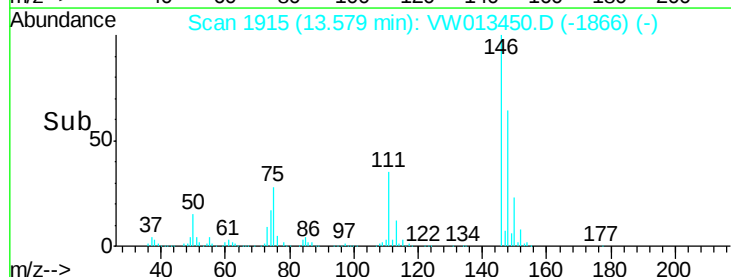
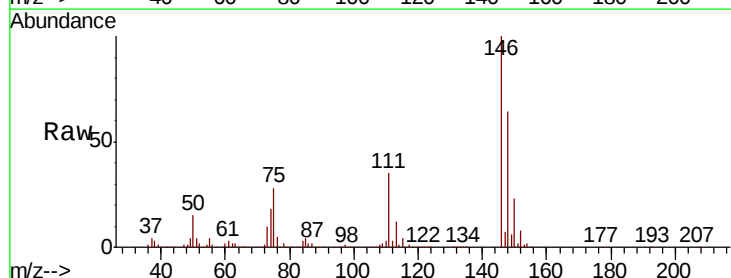
Manual Integrations
 APPROVED

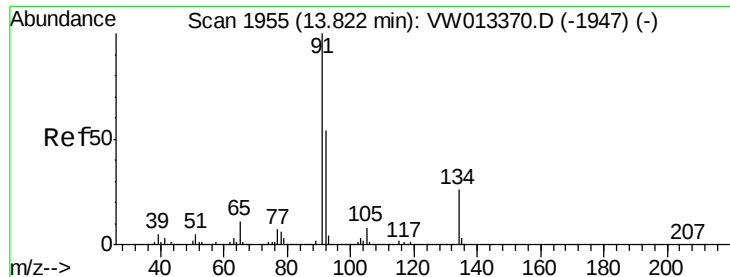
MMDadoda
 10/9/2019 11:47:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.123 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	65.1	32.1	96.3





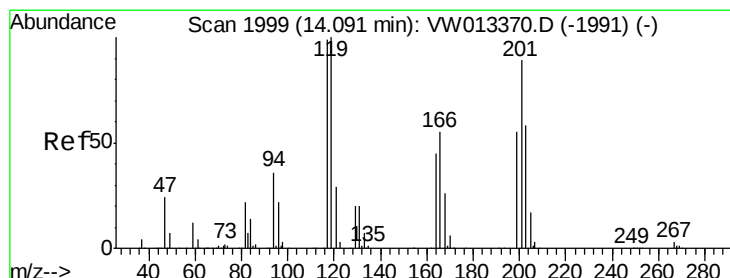
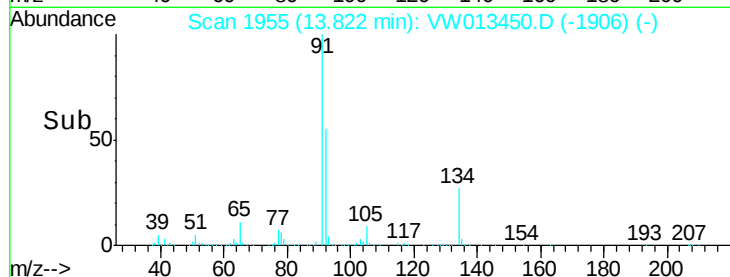
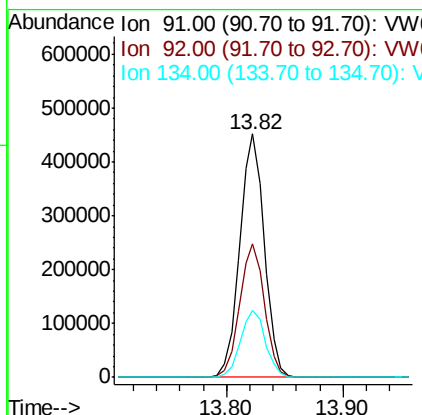
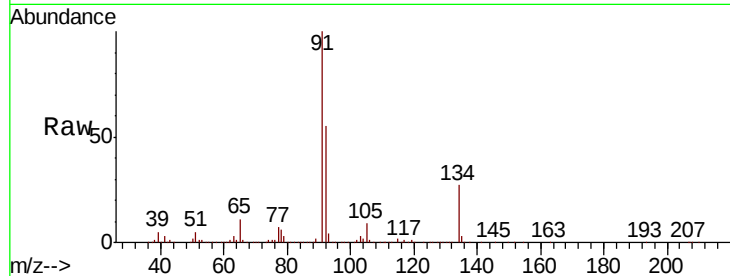
#89
n-Butylbenzene
Concen: 51.780 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.6	82.8
134	27.8	13.7	41.1

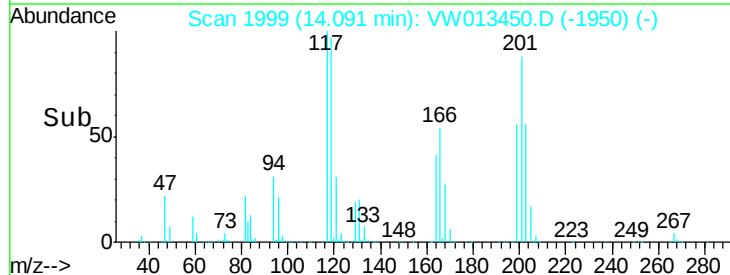
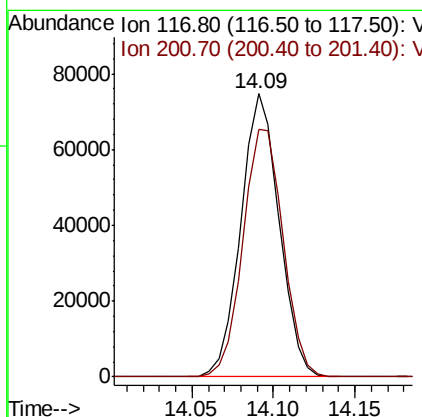
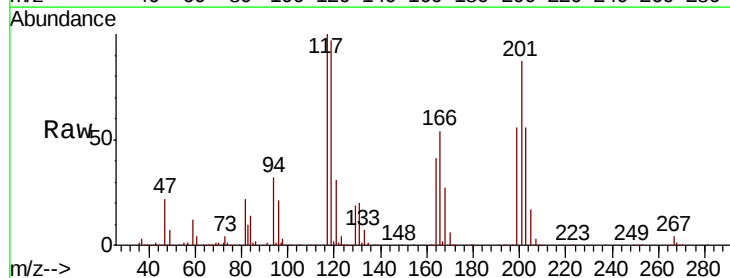
Manual Integrations
APPROVED

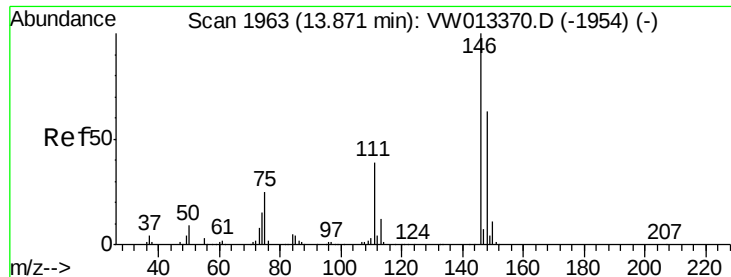
MMDadoda
10/9/2019 11:47:51 AM



#90
Hexachloroethane
Concen: 52.099 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	44.5	133.5





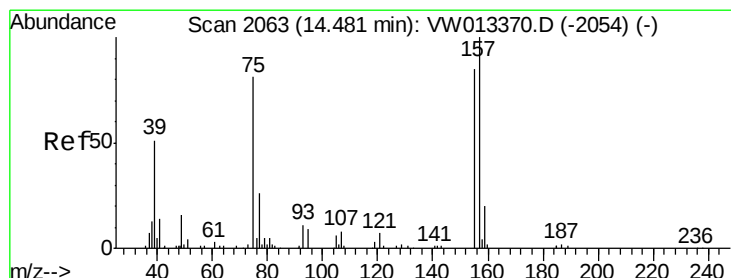
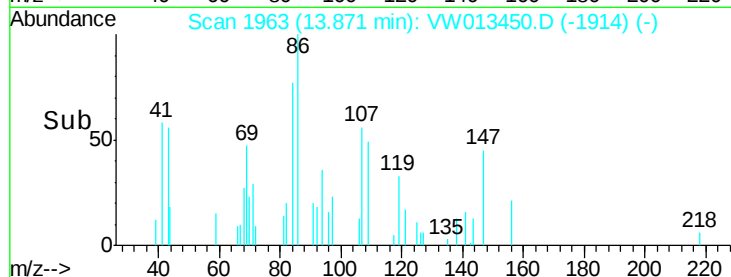
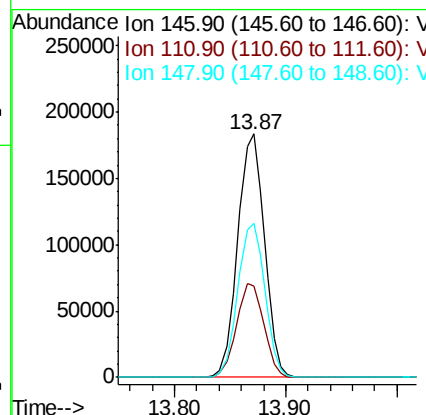
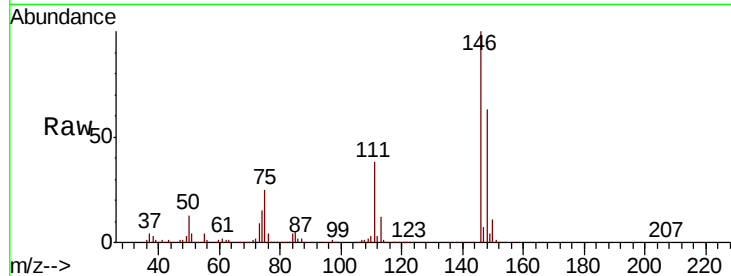
#91
 1,2-Dichlorobenzene
 Concen: 49.840 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	305129		
111	39.3		20.1	60.3
148	64.1		32.0	96.0

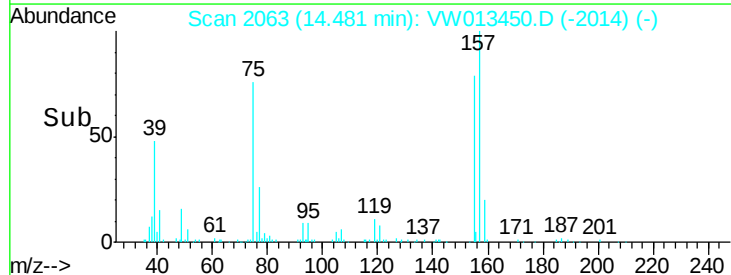
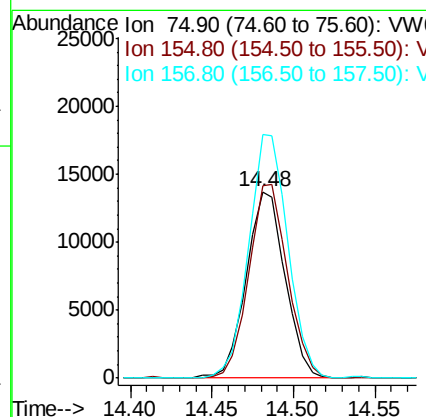
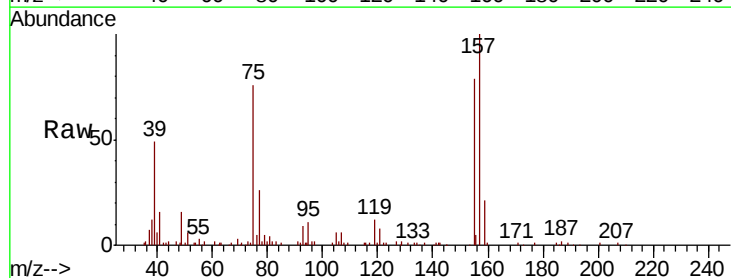
Manual Integrations
 APPROVED

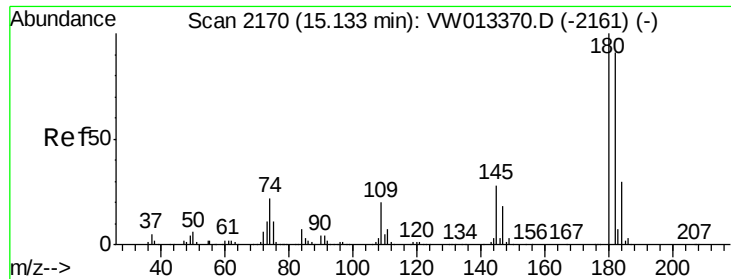
MMDadoda
 10/9/2019 11:47:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.377 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22657		
155	103.8		46.1	138.3
157	132.1		60.4	181.2





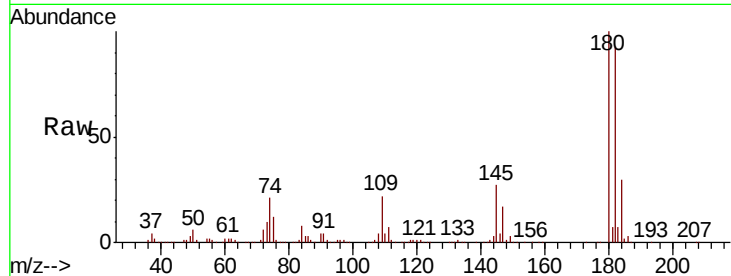
#93
 1,2,4-Trichlorobenzene
 Concen: 51.843 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

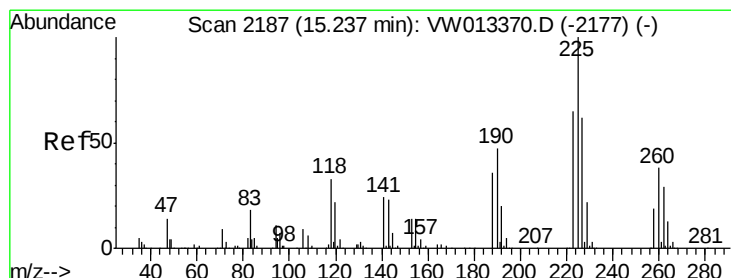
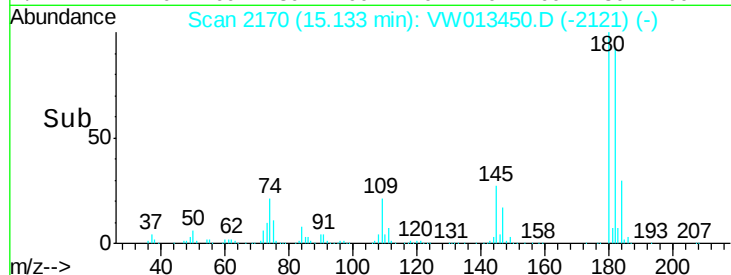
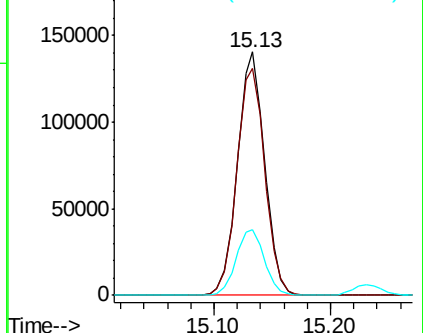
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	142.0
145	28.3	14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 11:47:51 AM

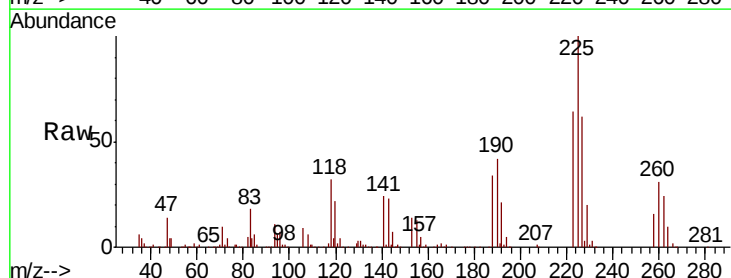


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

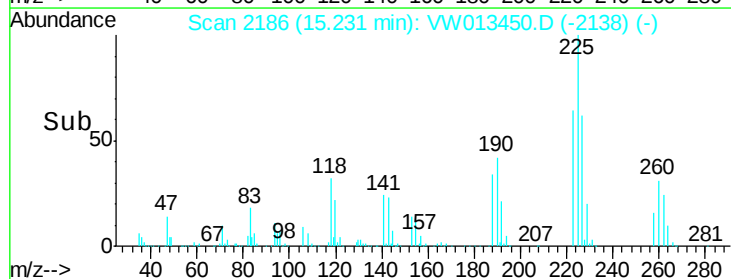
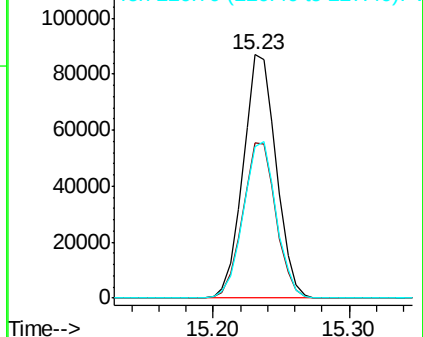


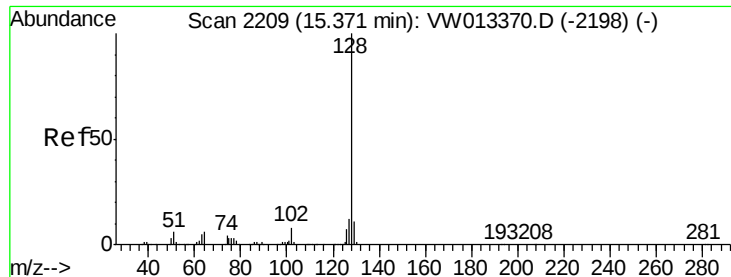
#94
 Hexachlorobutadiene
 Concen: 51.771 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013450.D
 Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	30.6	91.8
227	63.7	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





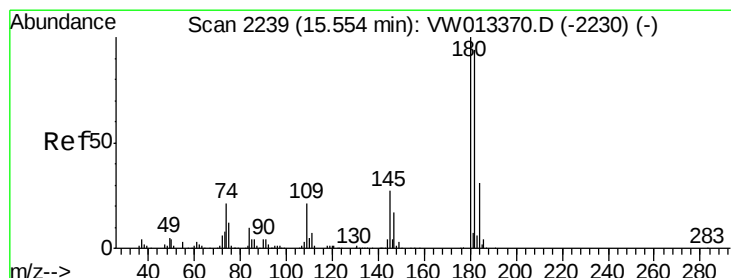
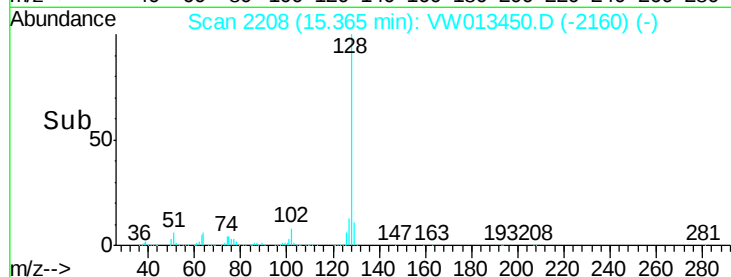
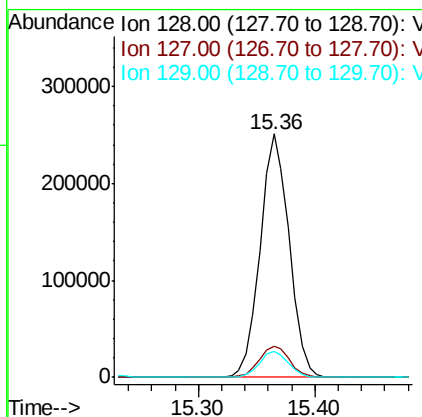
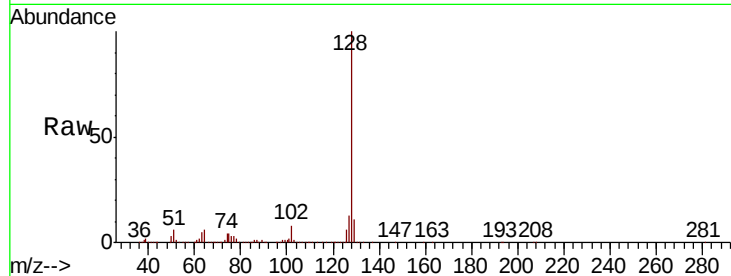
#95
Naphthalene
Concen: 58.612 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/9/2019 11:47:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.478 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013450.D
Acq: 04 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	29.8	15.0	45.0

