

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012462.D
 Acq On : 01 Sep 2019 21:13
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:40 AM

Quant Time: Sep 02 08:13:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	167290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	261340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	231515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	115894	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	112032	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	
35) Dibromofluoromethane	7.88	113	83725	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.32	98	330217	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.61	95	118839	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	50362	48.892	ug/l	96
3) Chloromethane	2.21	50	84601	53.012	ug/l	99
4) Vinyl Chloride	2.35	62	104133	53.312	ug/l	98
5) Bromomethane	2.74	94	54003	54.591	ug/l	100
6) Chloroethane	2.90	64	61774	56.062	ug/l	99
7) Trichlorofluoromethane	3.24	101	58589	59.736	ug/l	97
8) Diethyl Ether	3.68	74	53482	57.448	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	92919	55.735	ug/l	97
10) Methyl Iodide	4.26	142	125029	55.428	ug/l	98
11) Tert butyl alcohol	5.15	59	42387	354.178	ug/l	100
12) 1,1-Dichloroethene	4.04	96	87668	52.246	ug/l	95
13) Acrolein	3.88	56	31007	275.240	ug/l	99
14) Allyl chloride	4.66	41	195315	54.446	ug/l	99
15) Acrylonitrile	5.36	53	152473	330.426	ug/l	99
16) Acetone	4.11	43	148419	291.965	ug/l	96
17) Carbon Disulfide	4.38	76	250182	49.334	ug/l	98
18) Methyl Acetate	4.66	43	87935	69.841	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	172776	63.671	ug/l	99
20) Methylene Chloride	4.91	84	100913	52.511	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	96063	53.386	ug/l	97
22) Diisopropyl ether	6.31	45	387036	58.206	ug/l	98
23) Vinyl Acetate	6.25	43	1233434	301.414	ug/l	99
24) 1,1-Dichloroethane	6.21	63	201504	55.656	ug/l	99
25) 2-Butanone	7.16	43	216628	313.598	ug/l	100
26) 2,2-Dichloropropane	7.16	77	113165	55.223	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	107212	55.767	ug/l	99
28) Bromochloromethane	7.51	49	81388	51.577	ug/l	97
29) Tetrahydrofuran	7.52	42	140919	340.022	ug/l	99
30) Chloroform	7.67	83	193819	58.514	ug/l	99
31) Cyclohexane	7.95	56	178196	49.748	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	157466	60.094	ug/l	99
36) 1,1-Dichloropropene	8.08	75	152226	56.367	ug/l	99
37) Ethyl Acetate	7.25	43	94081	63.572	ug/l	99
38) Carbon Tetrachloride	8.07	117	140385	60.058	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012462.D
 Acq On : 01 Sep 2019 21:13
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:40 AM

Quant Time: Sep 02 08:13:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	167318	55.148	ug/l	99
40) Benzene	8.32	78	414083	56.152	ug/l	100
41) Methacrylonitrile	7.48	41	52890	60.807	ug/l	94
42) 1,2-Dichloroethane	8.40	62	146936	63.576	ug/l	100
43) Isopropyl Acetate	8.42	43	173098	63.145	ug/l	99
44) Trichloroethene	9.09	130	103003	57.458	ug/l	94
45) 1,2-Dichloropropane	9.37	63	113161	57.018	ug/l	99
46) Dibromomethane	9.46	93	54788	62.045	ug/l	99
47) Bromodichloromethane	9.64	83	143323	60.985	ug/l	100
48) Methyl methacrylate	9.43	41	85694	65.681	ug/l	98
49) 1,4-Dioxane	9.44	88	19817	1465.954	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	469268	336.564	ug/l	99
52) Toluene	10.38	92	253704	57.269	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	145380	60.730	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	168980	58.461	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	76874	61.530	ug/l	98
56) Ethyl methacrylate	10.65	69	117162	64.433	ug/l	99
57) 1,3-Dichloropropane	10.93	76	145430	61.597	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	292121	313.026	ug/l	99
59) 2-Hexanone	10.97	43	322308	326.702	ug/l	99
60) Dibromochloromethane	11.13	129	89078	64.012	ug/l	99
61) 1,2-Dibromoethane	11.23	107	73502	63.149	ug/l	99
64) Tetrachloroethene	10.86	164	87182	58.083	ug/l	95
65) Chlorobenzene	11.66	112	254902	55.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	94054	59.140	ug/l	98
67) Ethyl Benzene	11.73	91	498545	56.771	ug/l	100
68) m/p-Xylenes	11.84	106	361990	114.436	ug/l	99
69) o-Xylene	12.16	106	168611	57.592	ug/l	100
70) Styrene	12.18	104	295524	58.317	ug/l	99
71) Bromoform	12.35	173	51751	65.312	ug/l #	99
73) Isopropylbenzene	12.46	105	474597	54.651	ug/l	100
74) N-amyl acetate	12.27	43	159225	60.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	93504	58.732	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	81143m	71.889	ug/l	
77) Bromobenzene	12.74	156	106176	56.515	ug/l	99
78) n-propylbenzene	12.80	91	577230	54.448	ug/l	99
79) 2-Chlorotoluene	12.89	91	329533	54.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	406192	55.977	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	30239	58.739	ug/l	97
82) 4-Chlorotoluene	12.99	91	348316	55.268	ug/l	100
83) tert-Butylbenzene	13.21	119	351660	57.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	405304	55.603	ug/l	100
85) sec-Butylbenzene	13.38	105	489782	55.617	ug/l	100
86) p-Isopropyltoluene	13.50	119	444001	56.456	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	203242	55.309	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	200823	55.040	ug/l	100
89) n-Butylbenzene	13.82	91	432181	55.260	ug/l	99
90) Hexachloroethane	14.09	117	78375	56.801	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	184314	57.175	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17805	66.339	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
Data File : VW012462.D
Acq On : 01 Sep 2019 21:13
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM

Quant Time: Sep 02 08:13:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	128866	57.846	ug/l	100
94) Hexachlorobutadiene	15.24	225	89985	61.174	ug/l	99
95) Naphthalene	15.36	128	247630	56.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	117036	60.214	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: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 167290

Ion Ratio Lower Upper

168 100

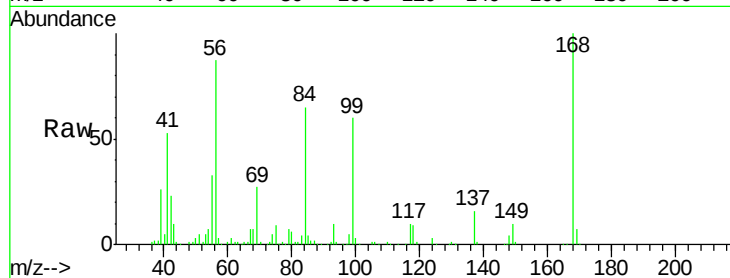
99 60.0 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

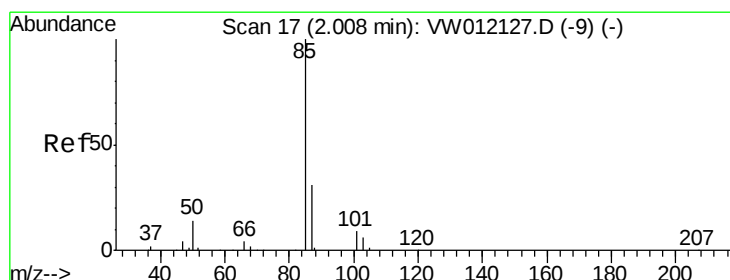
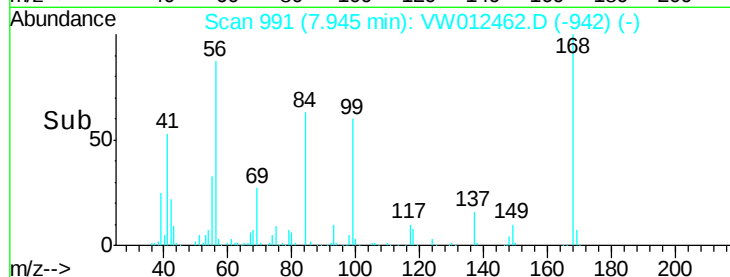
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 48.892 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012462.D

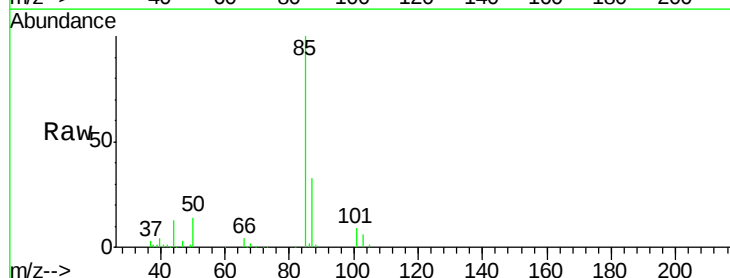
Acq: 01 Sep 2019 21:13

Tgt Ion: 85 Resp: 50362

Ion Ratio Lower Upper

85 100

87 33.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

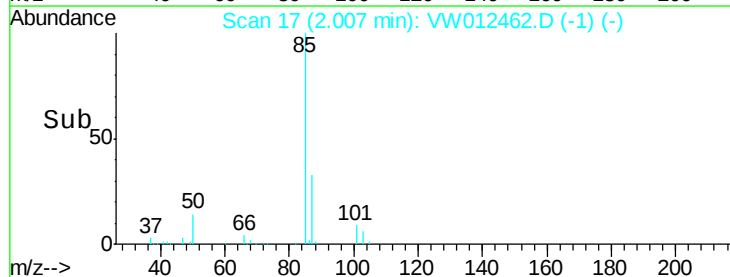
10000

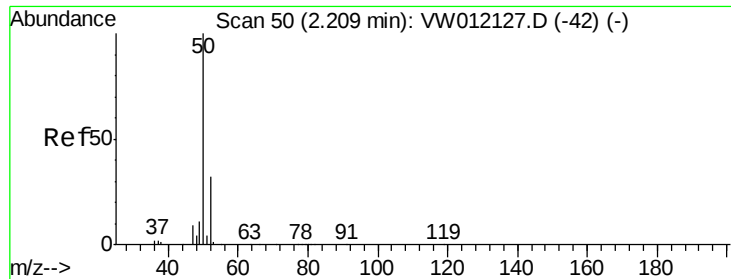
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.012 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 84601

Ion Ratio Lower Upper

50 100

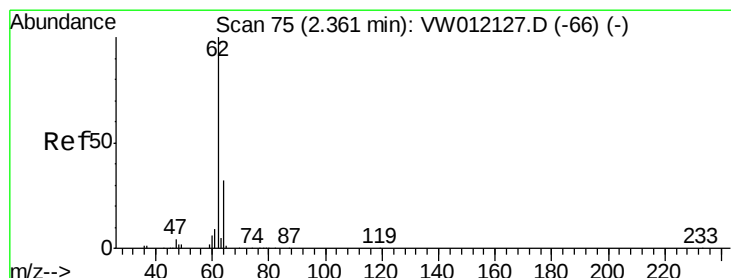
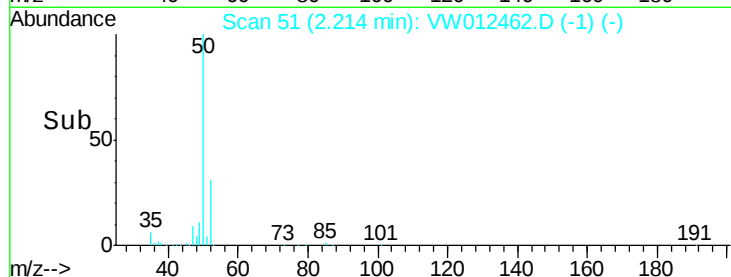
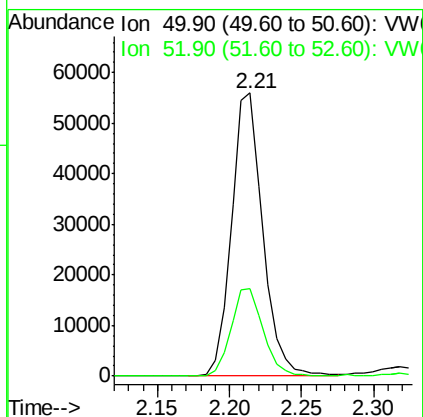
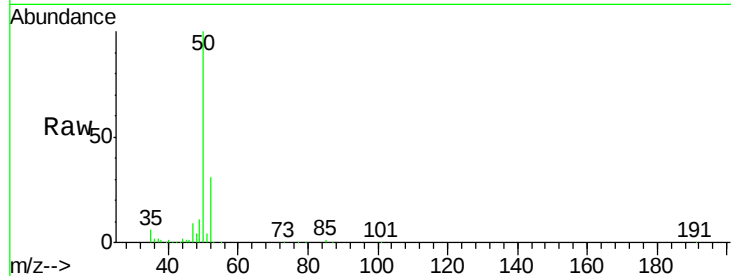
52 31.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:40 AM



#4

Vinyl Chloride

Concen: 53.312 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012462.D

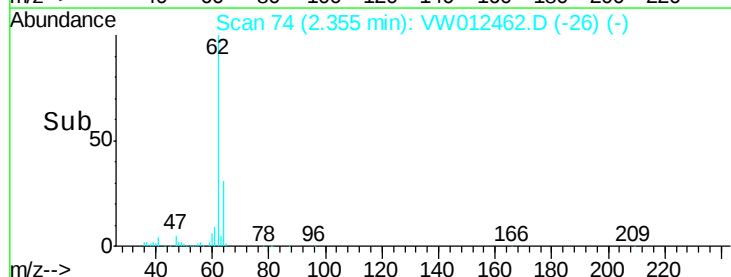
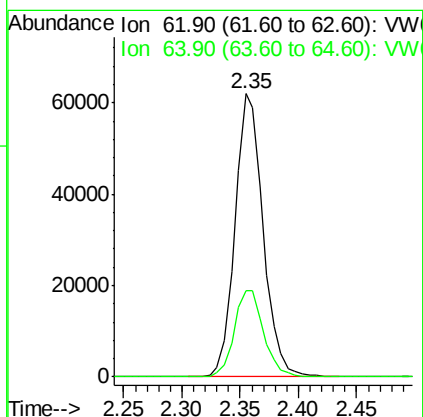
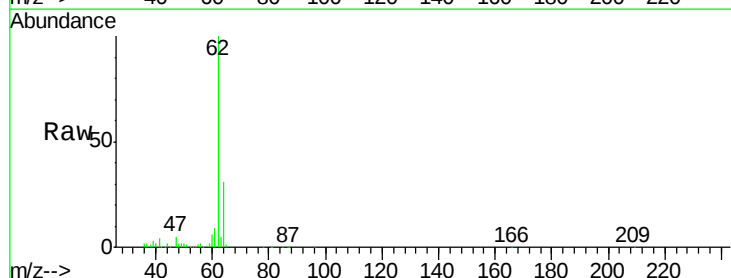
Acq: 01 Sep 2019 21:13

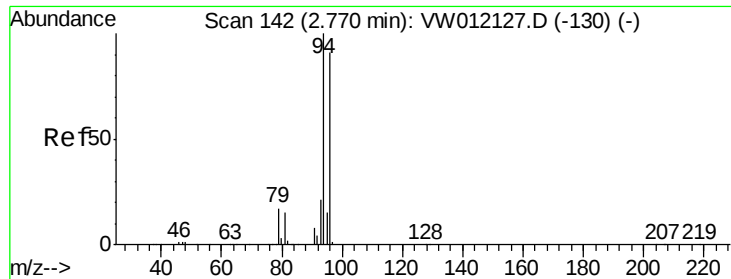
Tgt Ion: 62 Resp: 104133

Ion Ratio Lower Upper

62 100

64 30.5 25.3 37.9





#5

Bromomethane

Concen: 54.591 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 54003

Ion Ratio Lower Upper

94 100

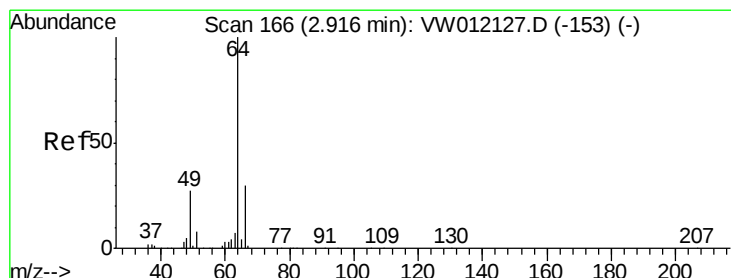
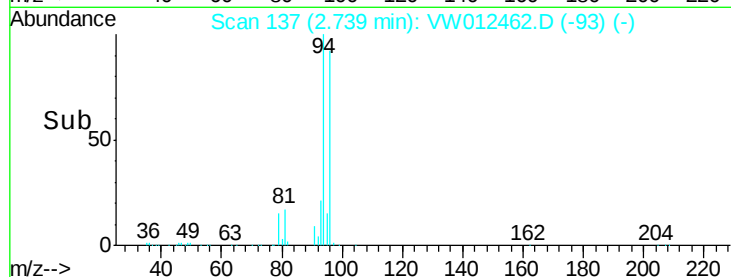
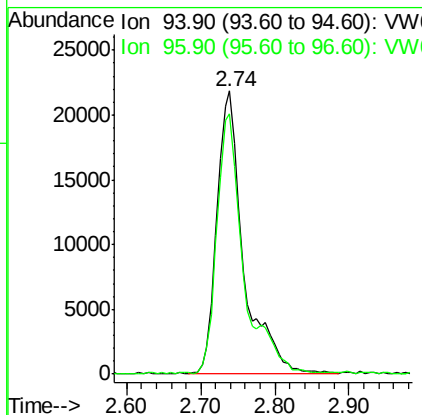
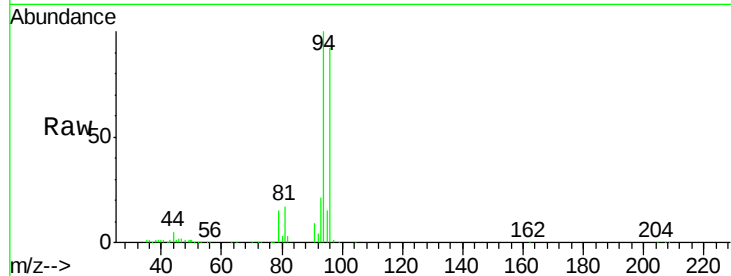
96 91.5 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:40 AM



#6

Chloroethane

Concen: 56.062 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012462.D

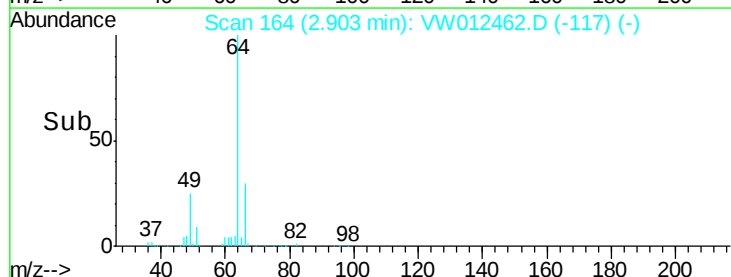
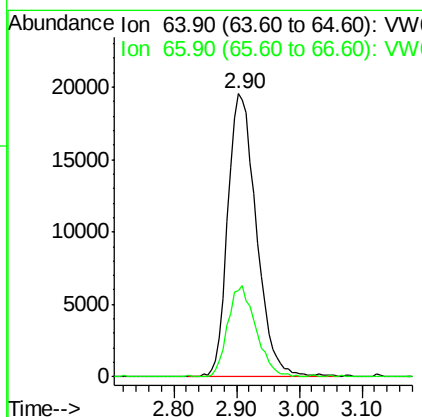
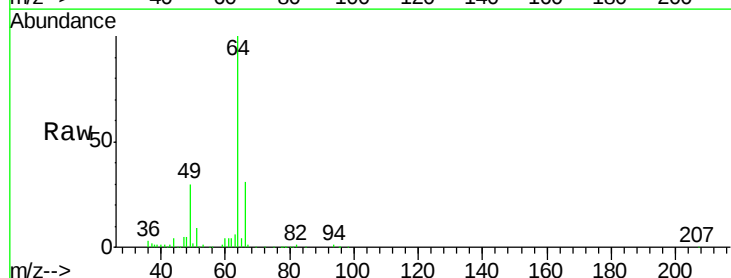
Acq: 01 Sep 2019 21:13

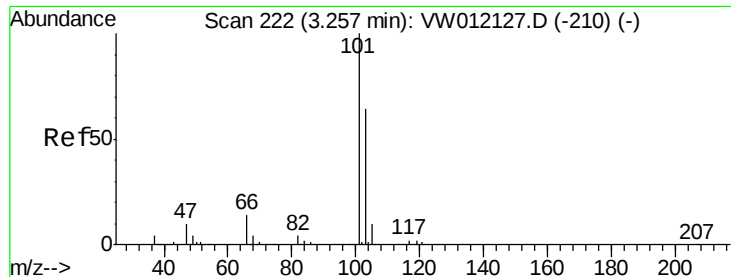
Tgt Ion: 64 Resp: 61774

Ion Ratio Lower Upper

64 100

66 30.3 23.8 35.8





#7

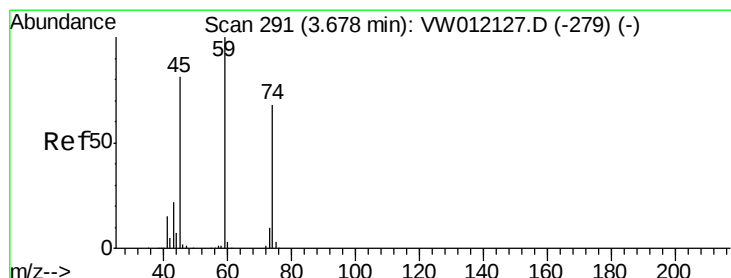
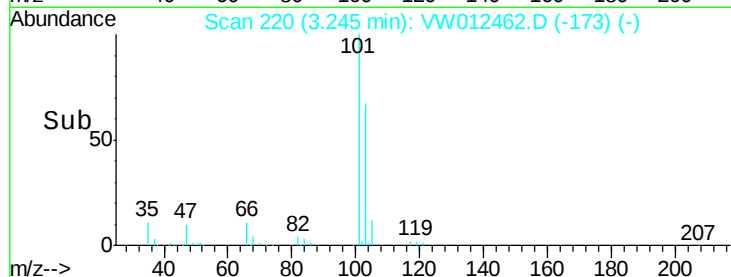
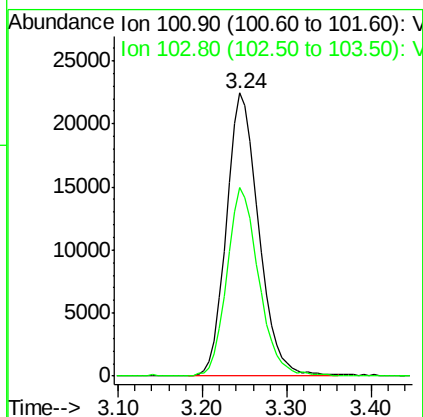
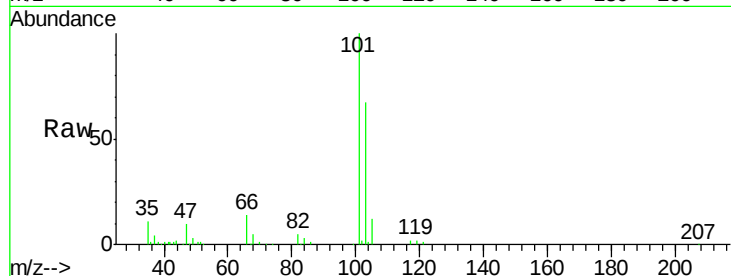
Trichlorofluoromethane
Concen: 59.736 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	58589		
103	66.6		51.2	76.8

Manual Integrations
APPROVED

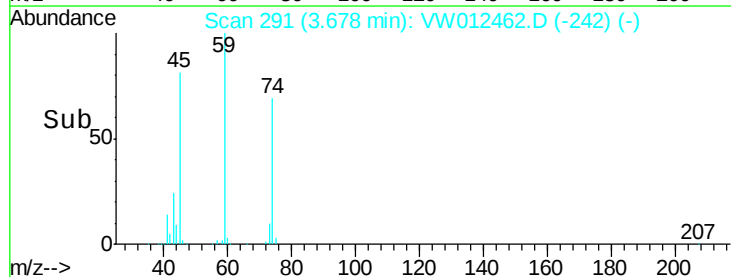
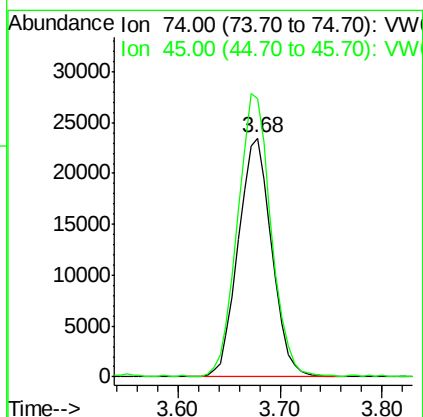
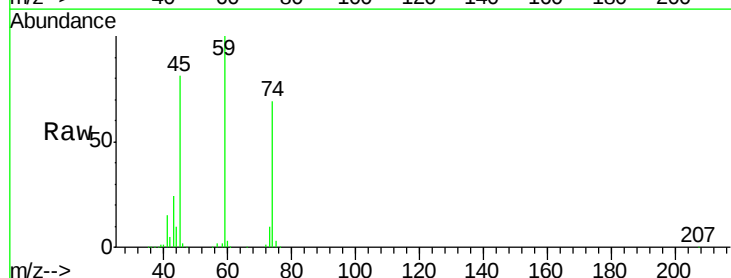
MMDadoda
9/3/2019 10:44:40 AM

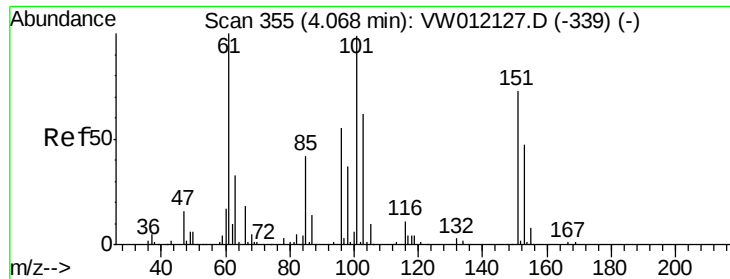


#8

Diethyl Ether
Concen: 57.448 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	53482		
45	119.1		59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.735 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

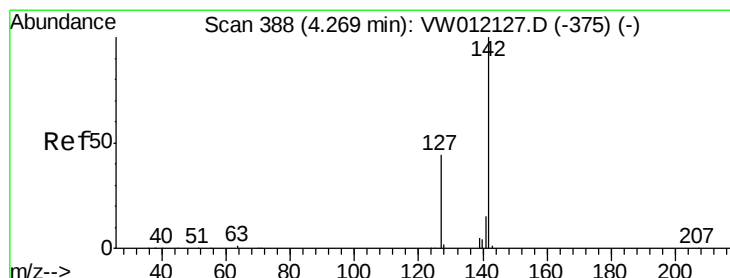
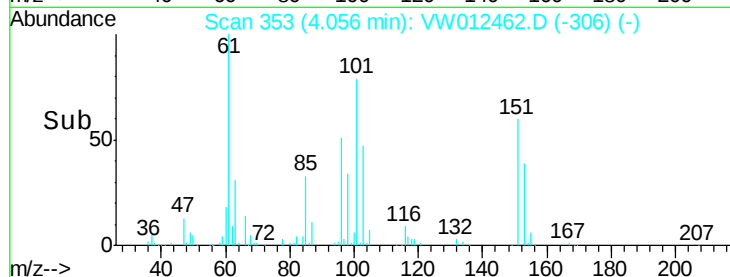
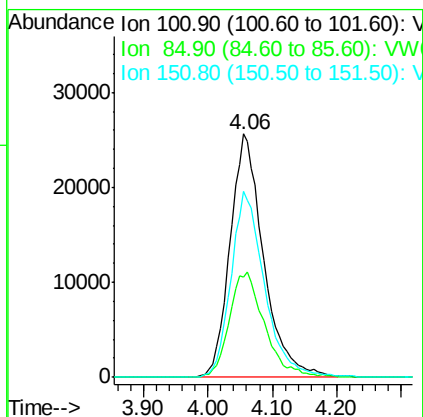
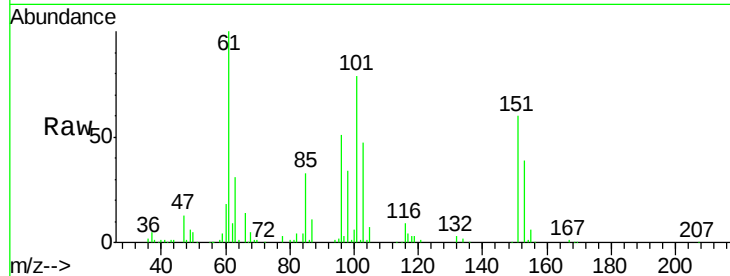
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	92919
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.8	53.6
151	76.4	58.6	87.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#10

Methyl Iodide

Concen: 55.428 ug/l

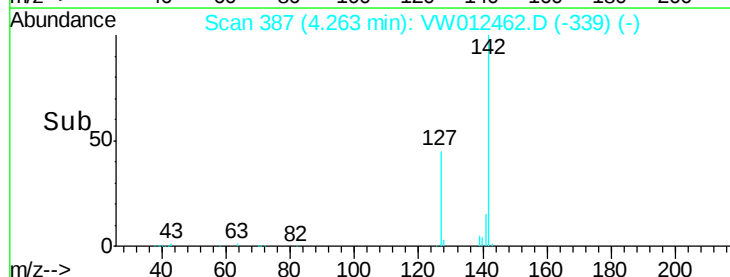
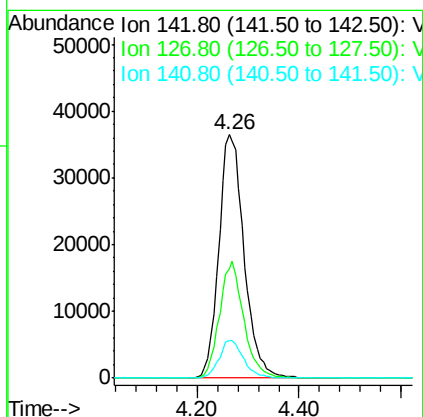
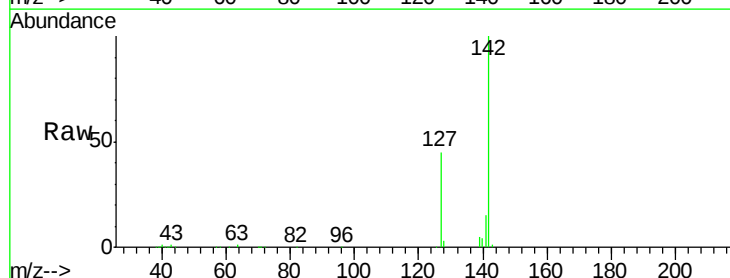
RT: 4.26 min Scan# 387

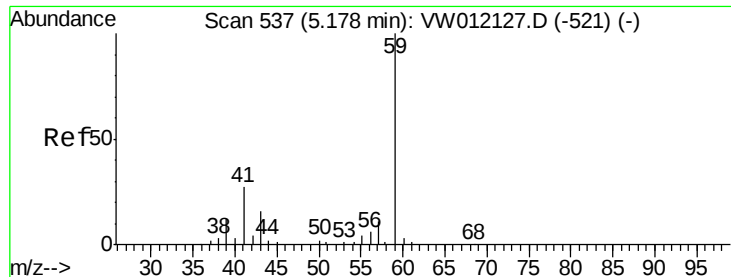
Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion:	142	Resp:	125029
Ion Ratio	Lower	Upper	
142	100		
127	46.0	35.5	53.3
141	15.0	11.8	17.8





#11

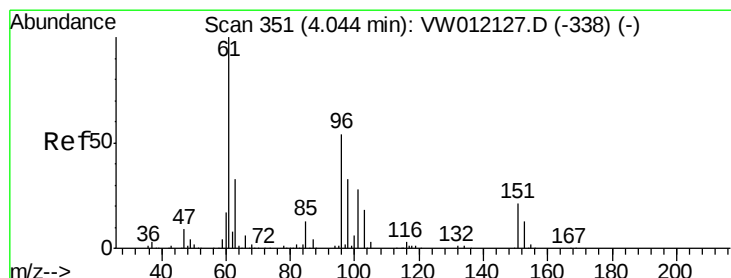
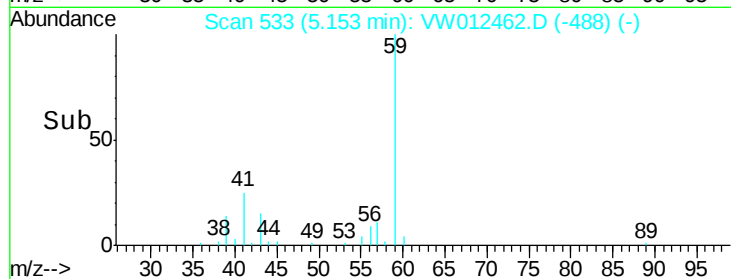
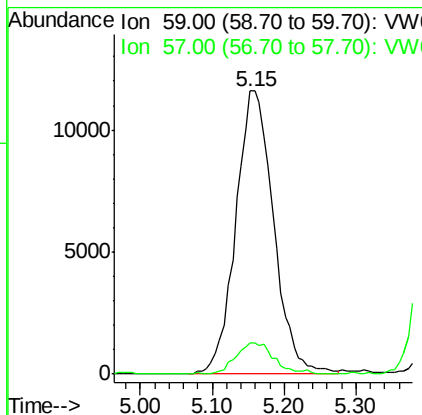
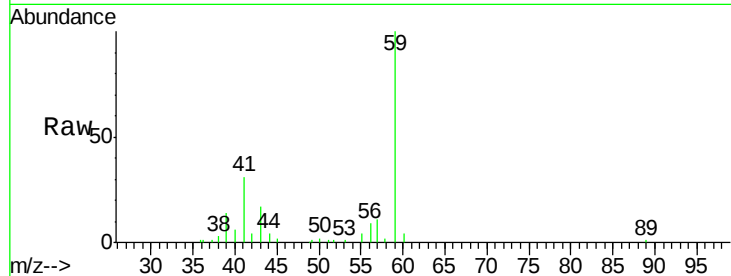
Tert butyl alcohol
 Concen: 354.178 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.02 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	11.2	Resp	42387	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	11.2	Resp	42387	Lower	9.0	Upper	13.4

Manual Integrations
 APPROVED

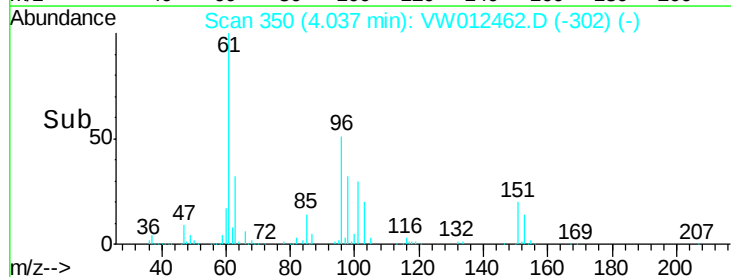
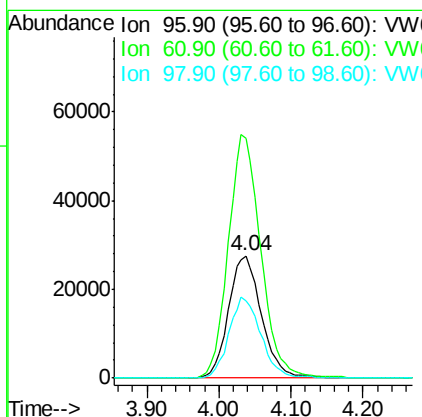
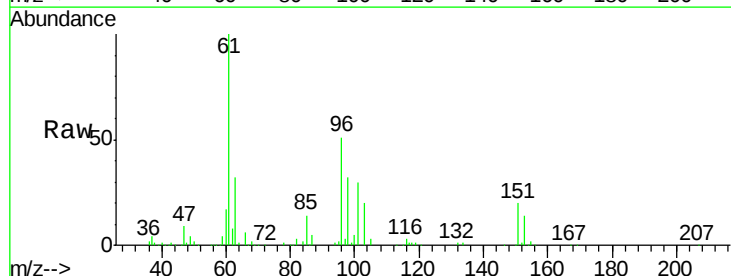
MMDadoda
 9/3/2019 10:44:40 AM

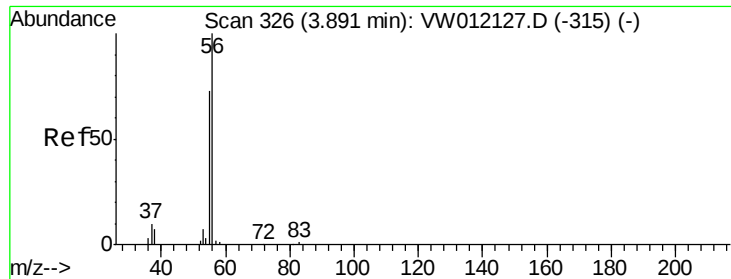


#12

1,1-Dichloroethene
 Concen: 52.246 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion	96	61	98	Ratio	100	195.2	63.2	Resp	87668	Lower	149.1	49.4	Upper	223.7	74.2
Ion	96	61	98	Ratio	100	195.2	63.2	Resp	87668	Lower	149.1	49.4	Upper	223.7	74.2





#13

Acrolein

Concen: 275.240 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 31007

Ion Ratio Lower Upper

56 100

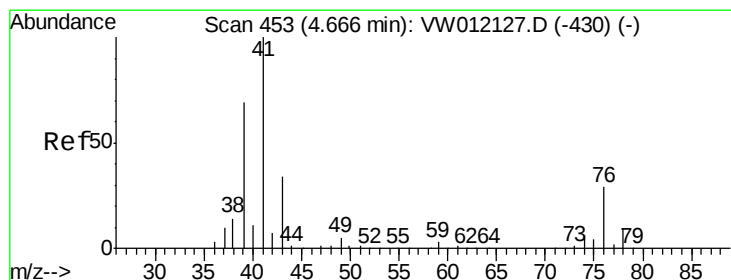
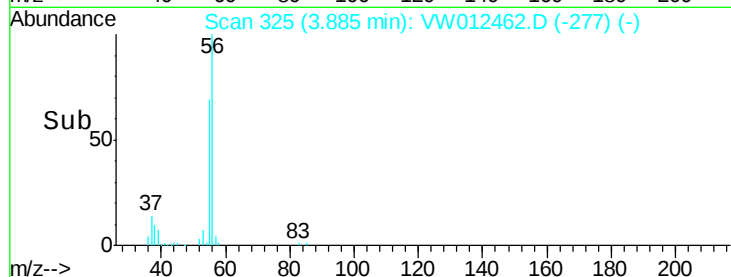
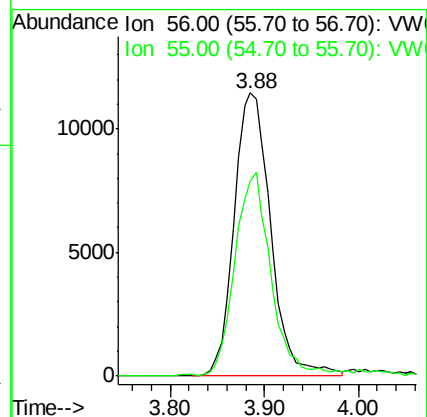
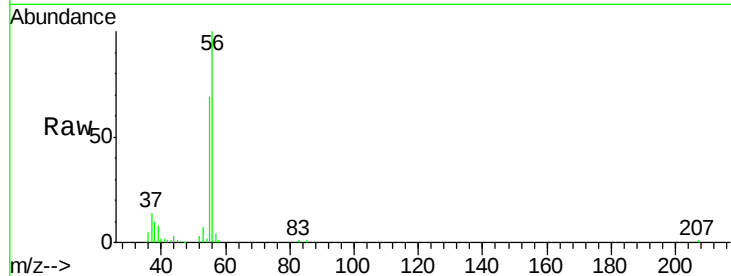
55 70.6 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:40 AM



#14

Allyl chloride

Concen: 54.446 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

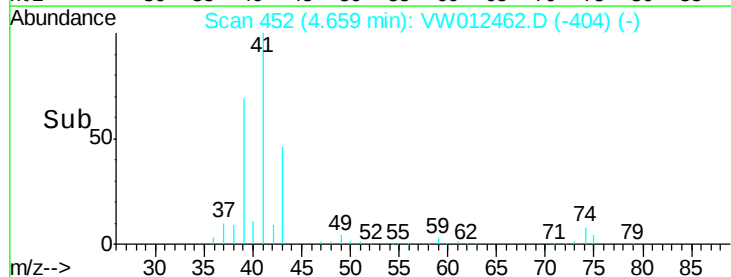
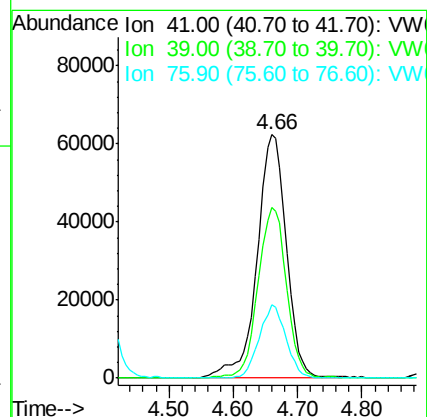
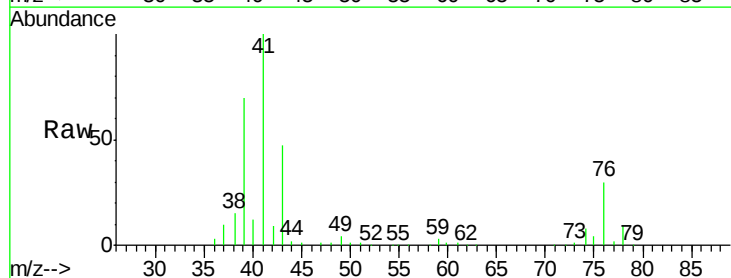
Tgt Ion: 41 Resp: 195315

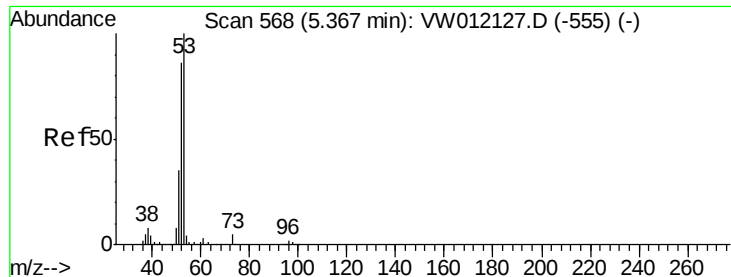
Ion Ratio Lower Upper

41 100

39 67.5 53.4 80.2

76 27.5 22.1 33.1





#15

Acrylonitrile

Concen: 330.426 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

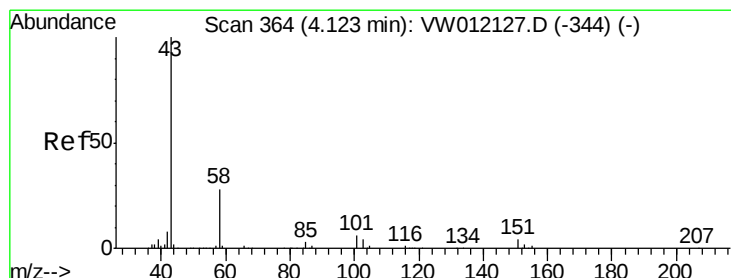
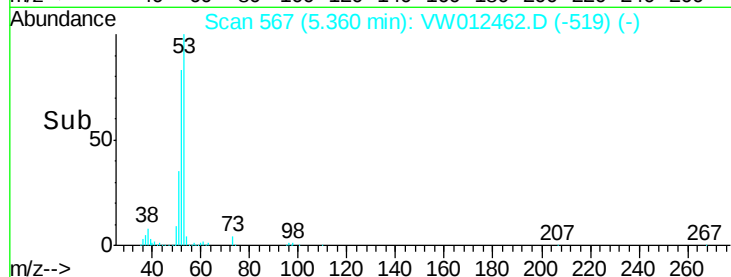
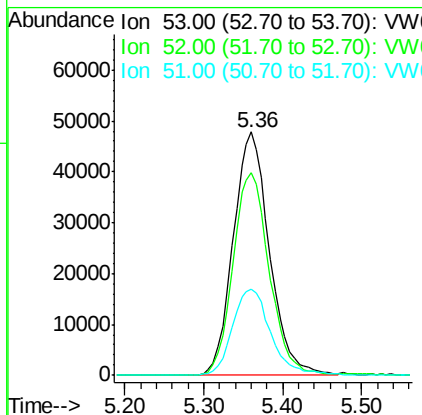
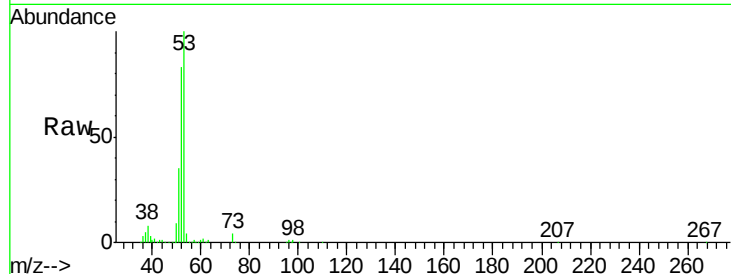
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	152473
Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	37.5	30.1	45.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#16

Acetone

Concen: 291.965 ug/l

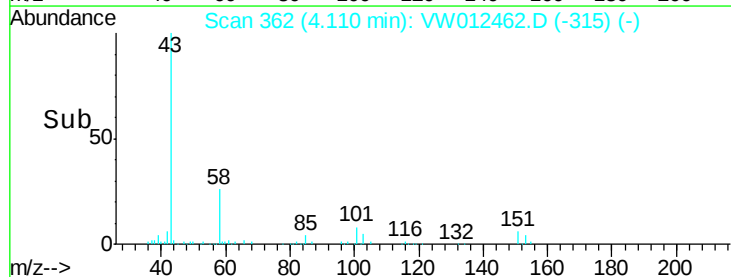
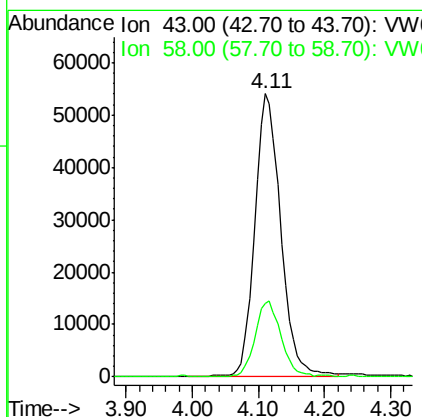
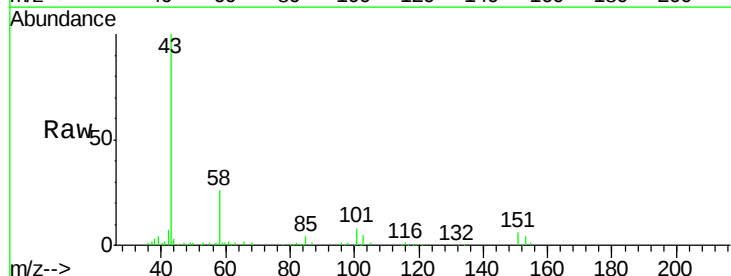
RT: 4.11 min Scan# 362

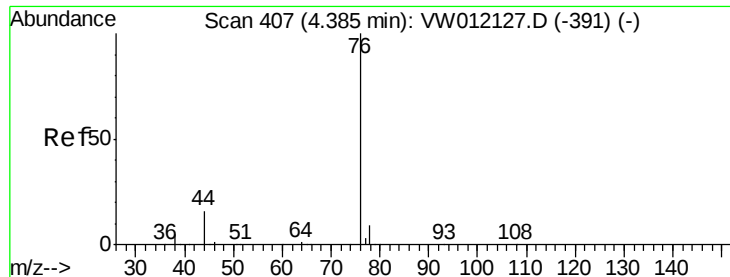
Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion:	43	Resp:	148419
Ion	Ratio	Lower	Upper
43	100		
58	25.8	22.4	33.6





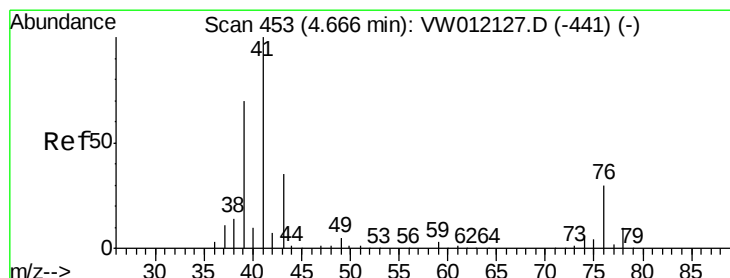
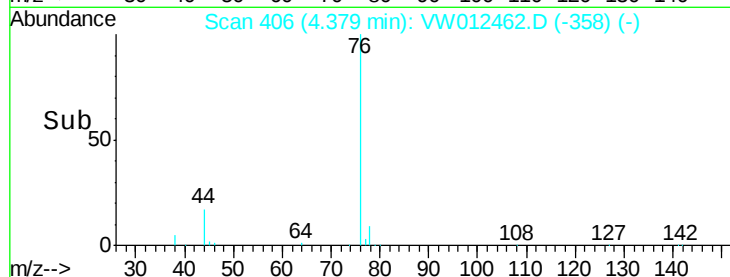
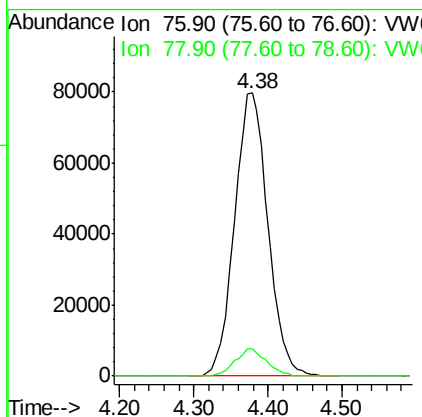
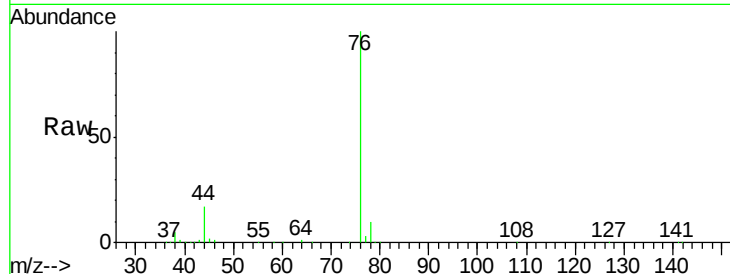
#17
Carbon Disulfide
Concen: 49.334 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

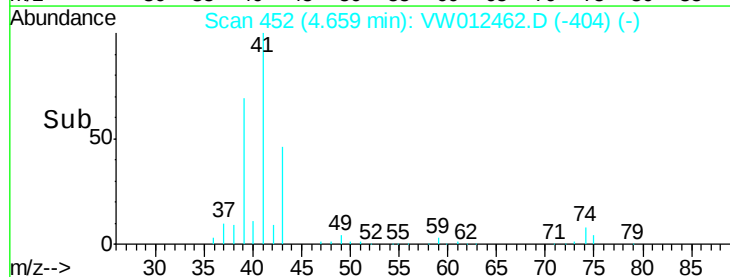
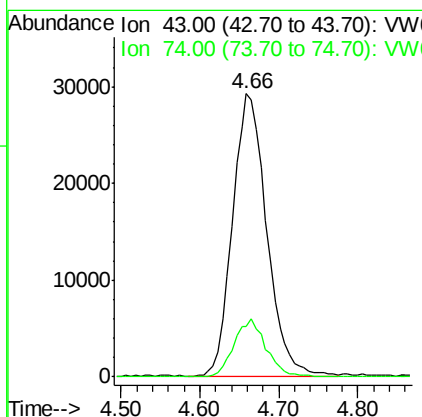
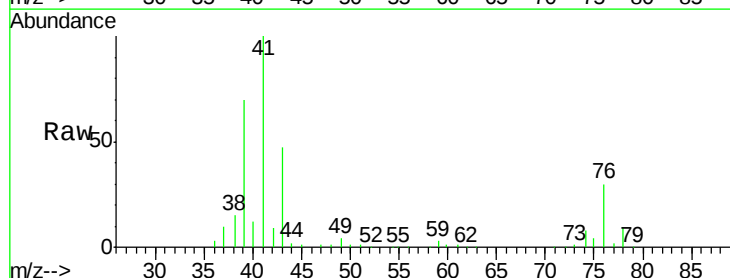
Manual Integrations
APPROVED

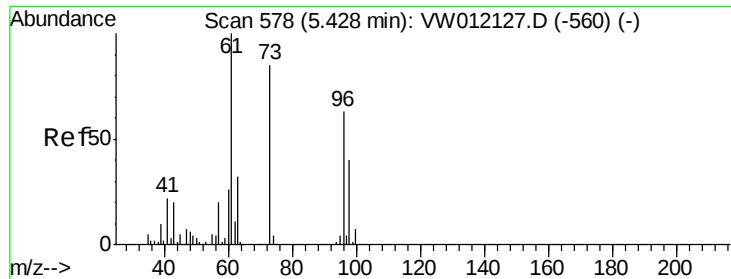
MMDadoda
9/3/2019 10:44:40 AM



#18
Methyl Acetate
Concen: 69.841 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	15.7	23.5





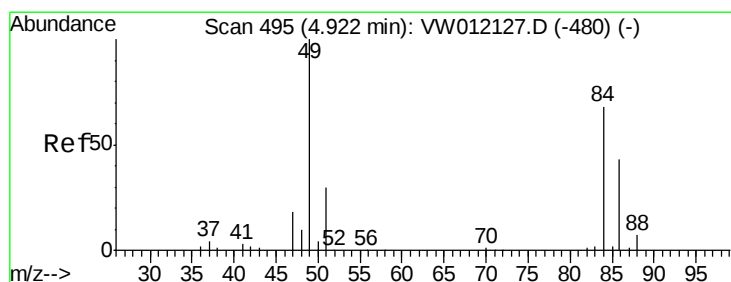
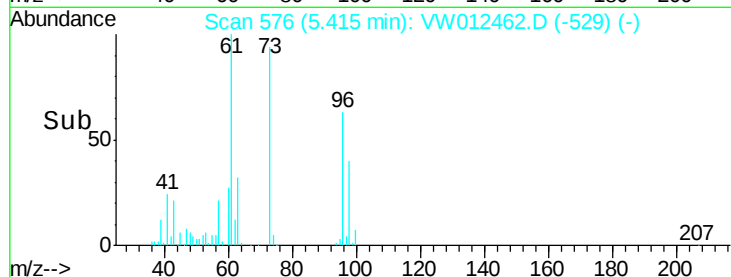
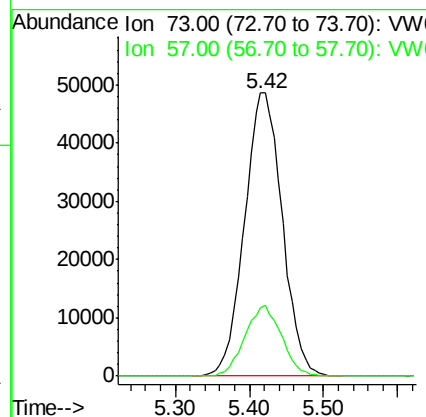
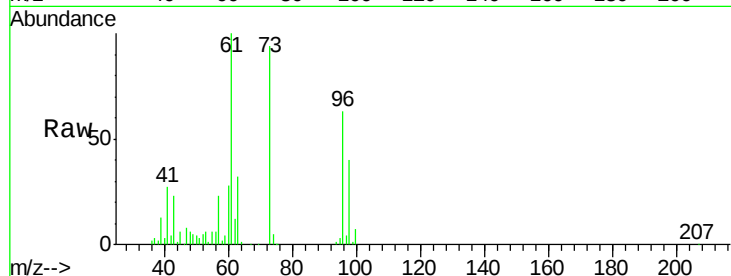
#19
Methvl tert-butvl Ether
Concen: 63.671 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 172776
Ion Ratio Lower Upper
73 100
57 24.0 18.9 28.3

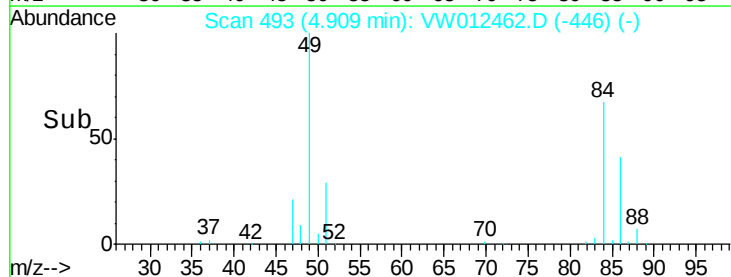
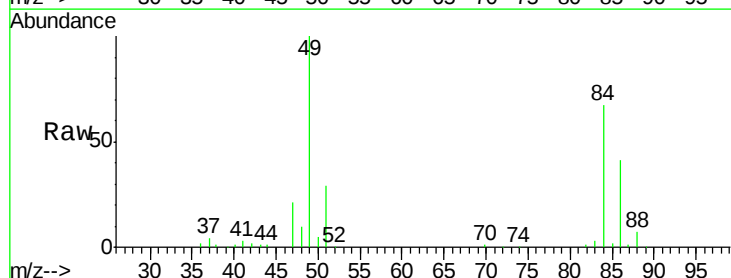
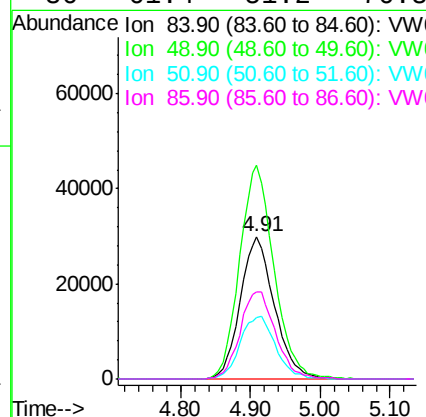
Manual Integrations
APPROVED

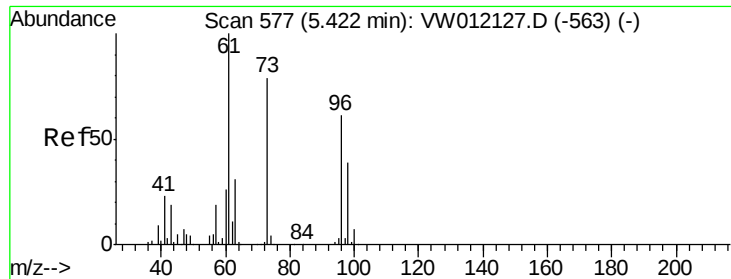
MMDadoda
9/3/2019 10:44:40 AM



#20
Methylene Chloride
Concen: 52.511 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion: 84 Resp: 100913
Ion Ratio Lower Upper
84 100
49 150.3 117.8 176.8
51 43.3 35.6 53.4
86 61.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 53.386 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

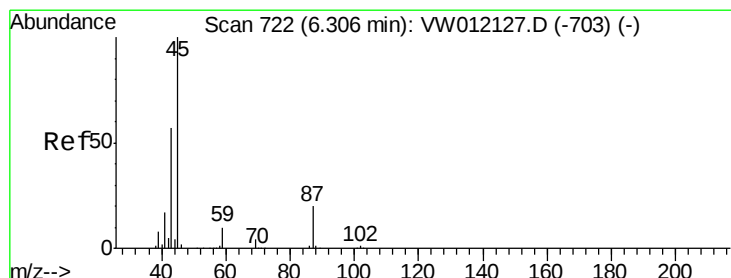
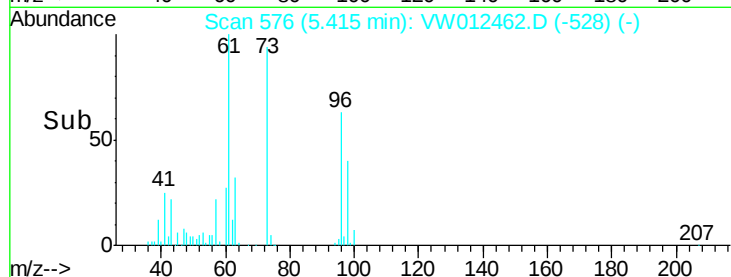
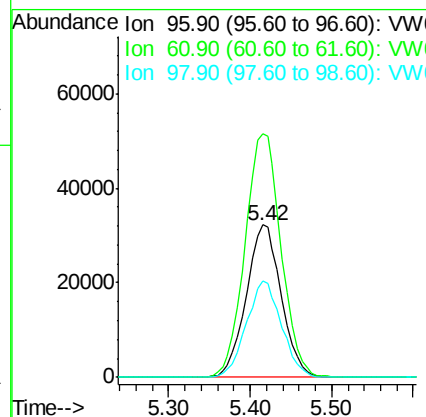
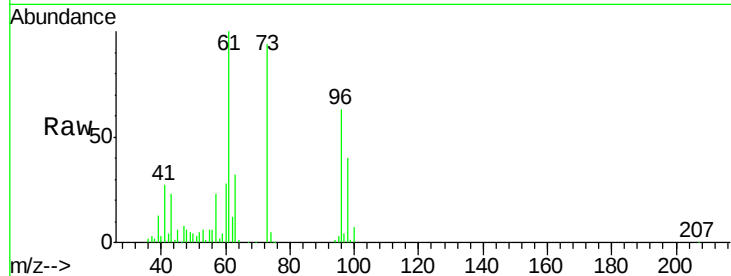
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	96063
Ion	Ratio	Lower	Upper
96	100		
61	159.5	131.4	197.0
98	63.0	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#22

Diisopropyl ether

Concen: 58.206 ug/l

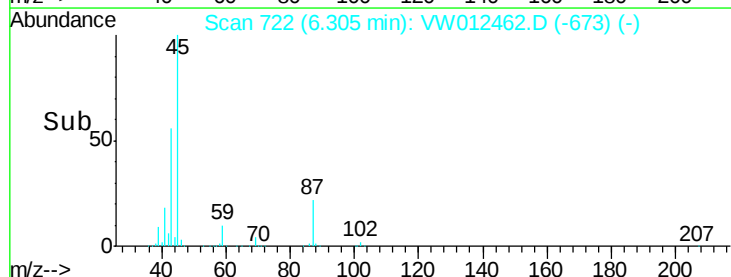
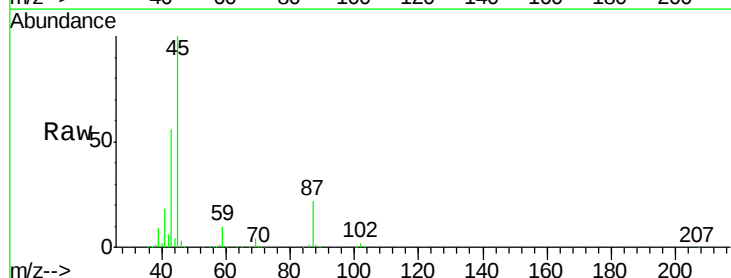
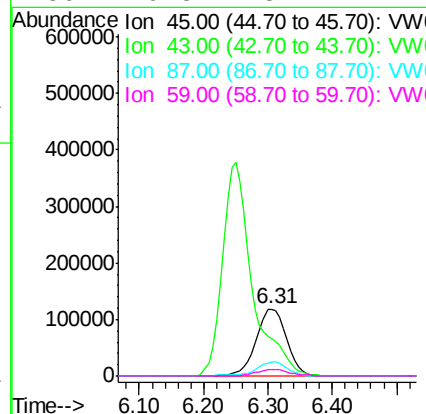
RT: 6.31 min Scan# 722

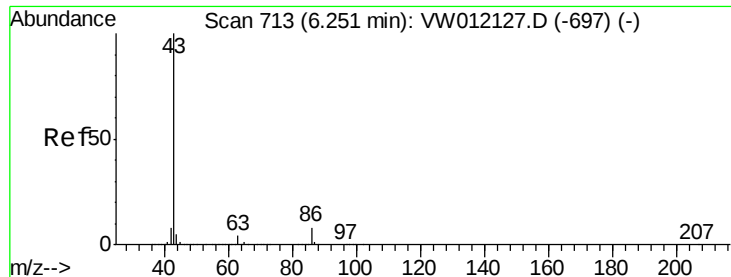
Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion:	45	Resp:	387036
Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.5	68.3
87	21.8	16.1	24.1
59	10.3	8.2	12.2





#23

Vinyl Acetate

Concen: 301.414 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tot Ion: 43 Resp: 1233434

Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7

Instrument :

MSVOA_W

ClientSampleId :

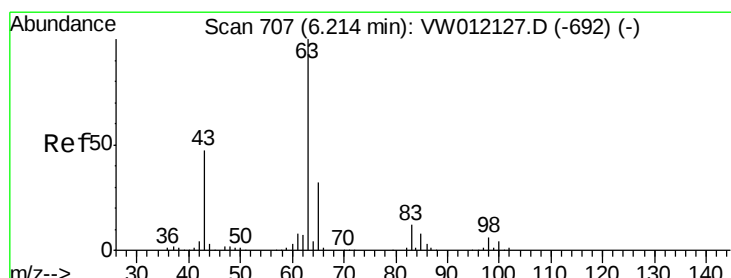
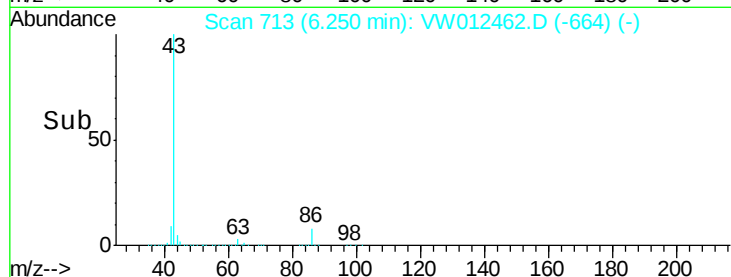
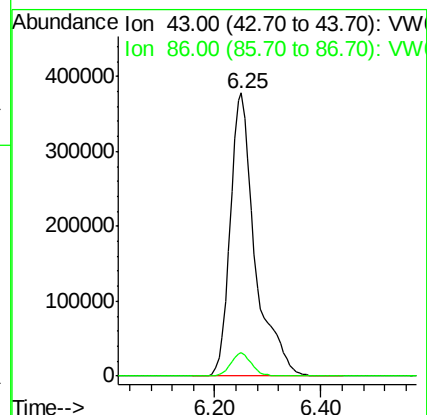
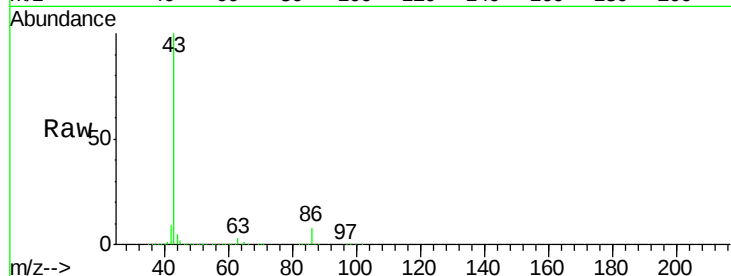
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:40 AM



#24

1,1-Dichloroethane

Concen: 55.656 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

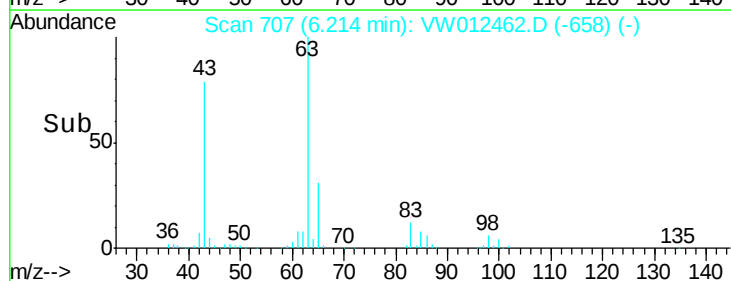
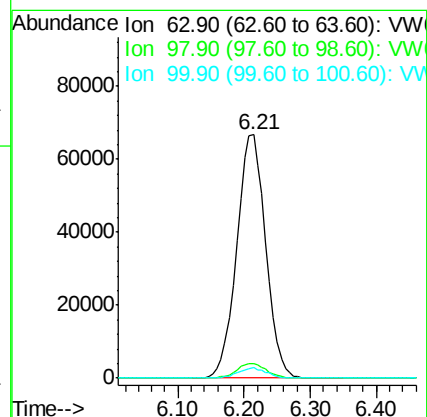
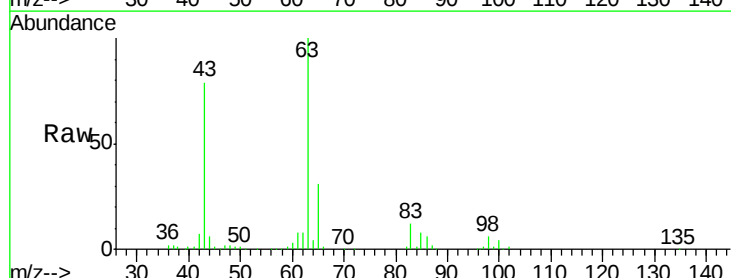
Tgt Ion: 63 Resp: 201504

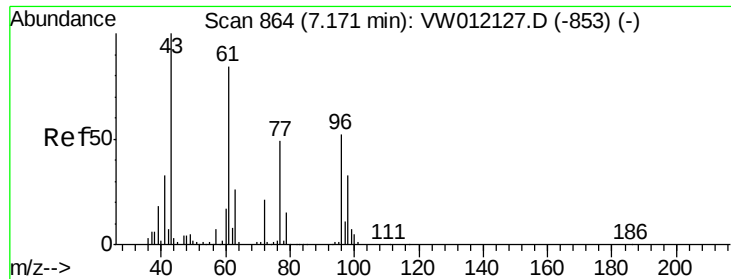
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.3 2.0 6.0





#25

2-Butanone

Concen: 313.598 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 216628

Ion Ratio Lower Upper

43 100

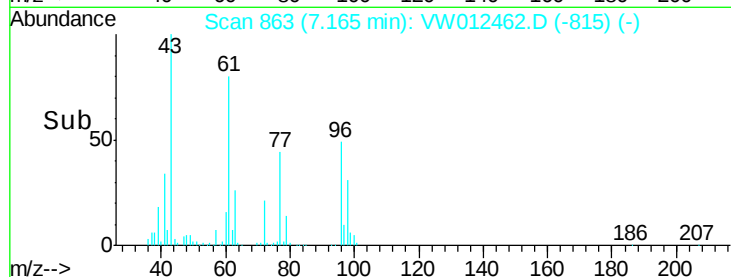
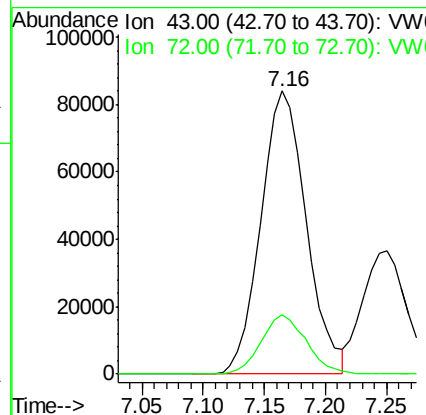
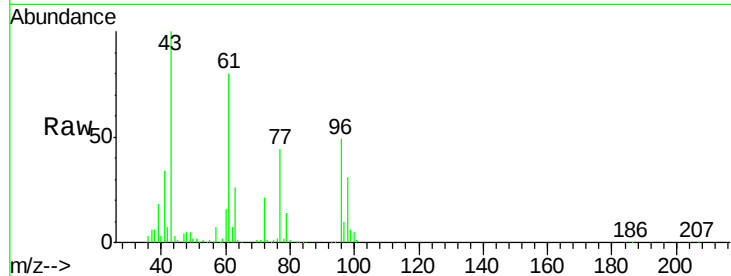
72 20.9 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:40 AM



#26

2,2-Dichloropropane

Concen: 55.223 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012462.D

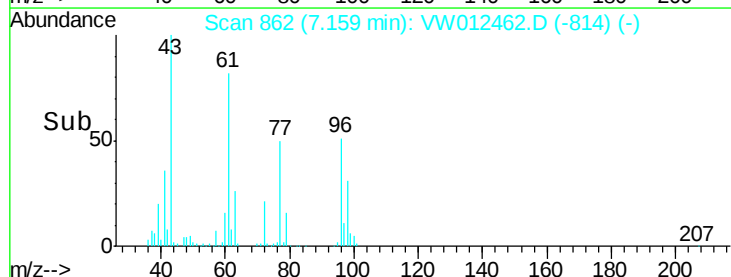
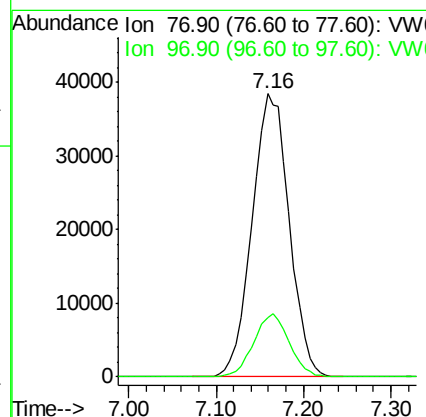
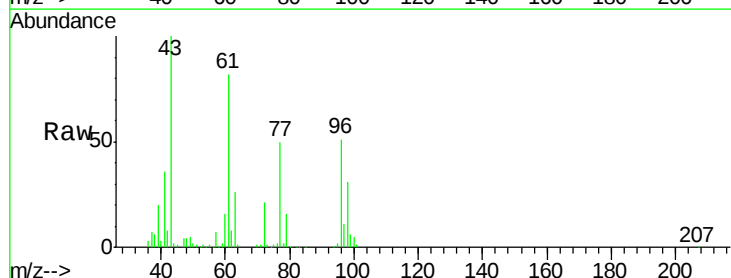
Acq: 01 Sep 2019 21:13

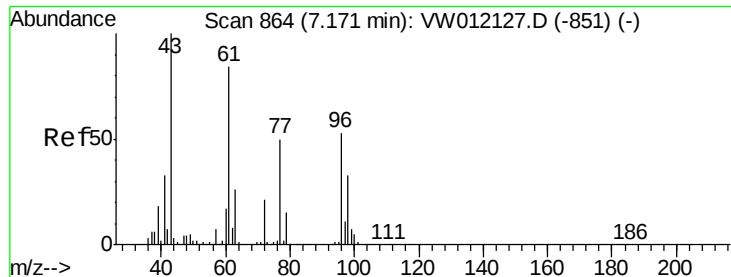
Tgt Ion: 77 Resp: 113165

Ion Ratio Lower Upper

77 100

97 21.3 11.1 33.1





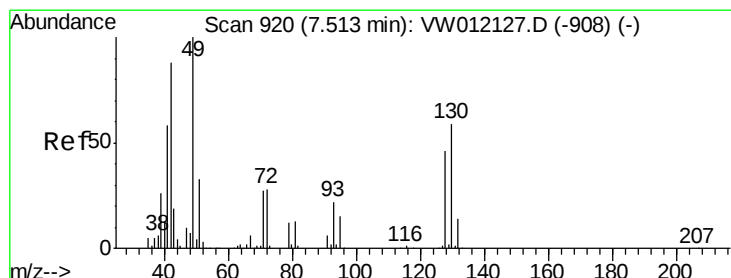
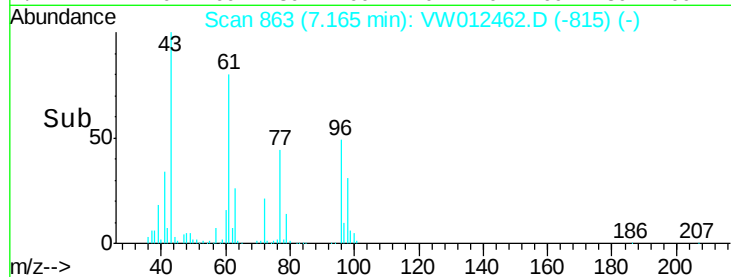
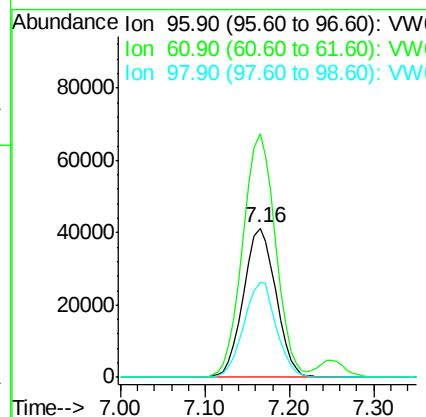
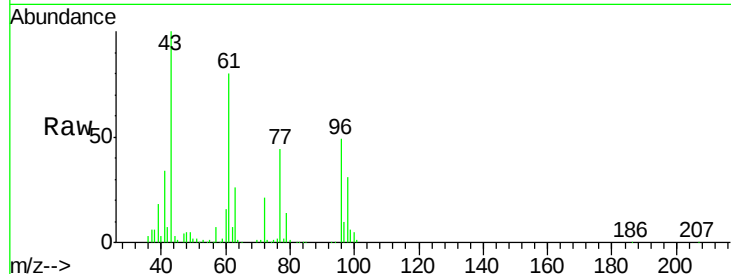
#27
 cis-1,2-Dichloroethene
 Concen: 55.767 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	165.1	0.0	326.6		
98	63.6	0.0	127.4		

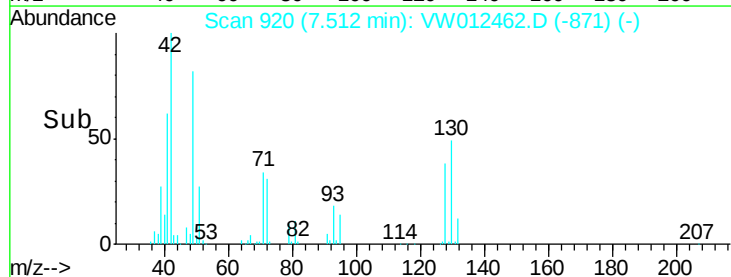
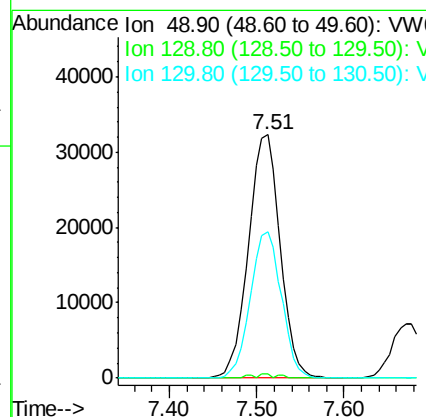
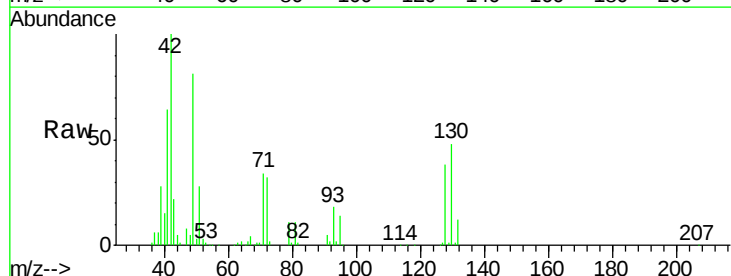
Manual Integrations
 APPROVED

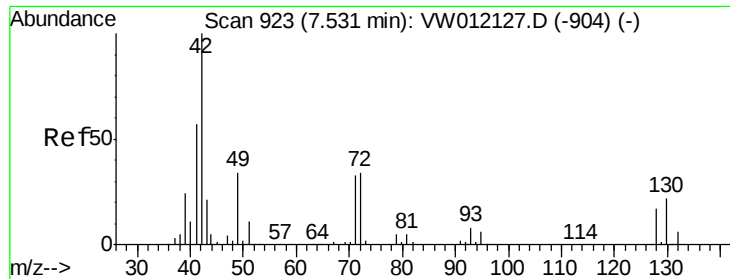
MMDadoda
 9/3/2019 10:44:40 AM



#28
 Bromochloromethane
 Concen: 51.577 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	0.5	0.0	1.4		
130	58.9	45.5	68.3		





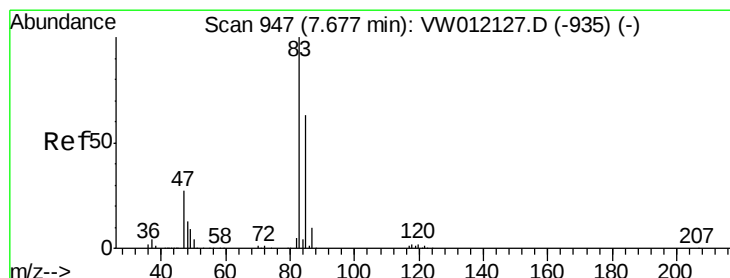
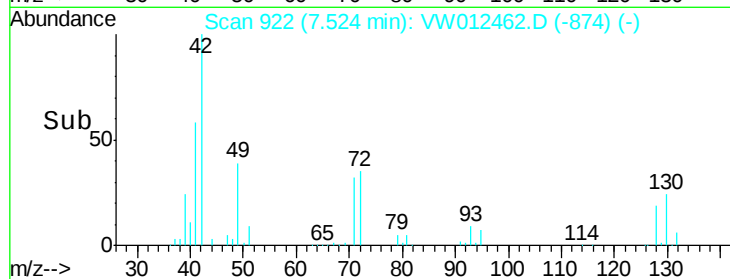
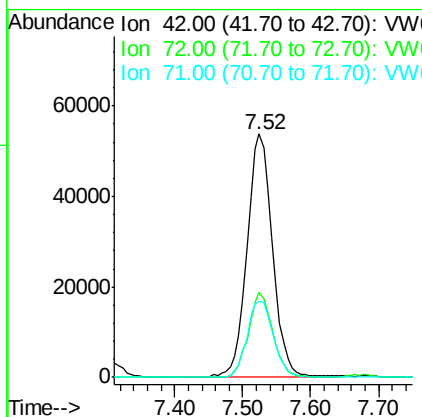
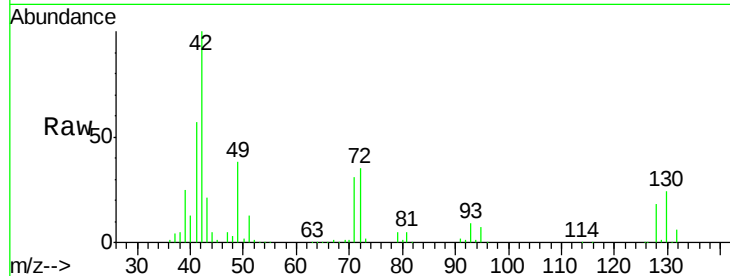
#29
Tetrahydrofuran
Concen: 340.022 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	27.3	40.9
71	32.4	25.5	38.3

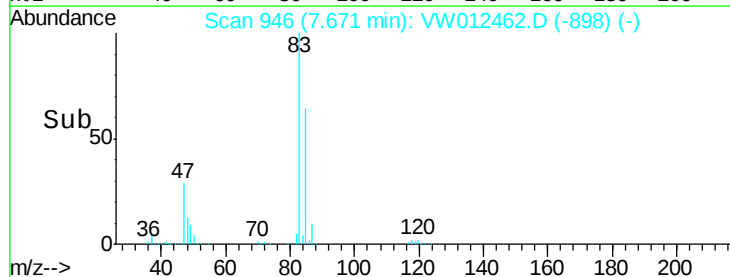
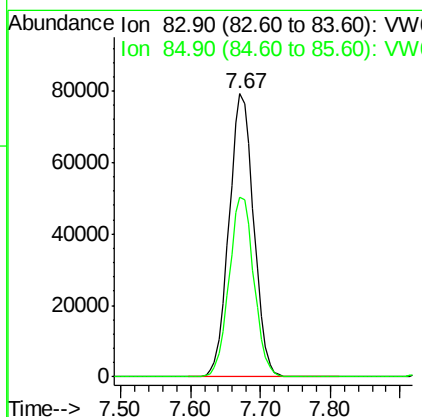
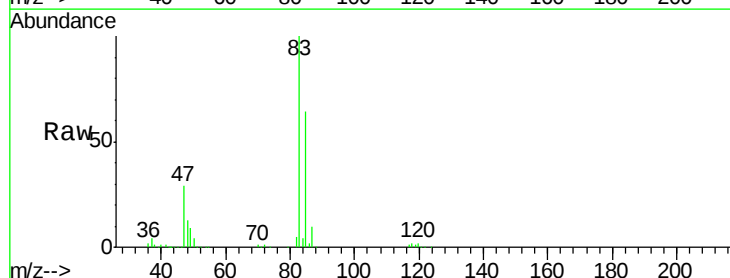
Manual Integrations
APPROVED

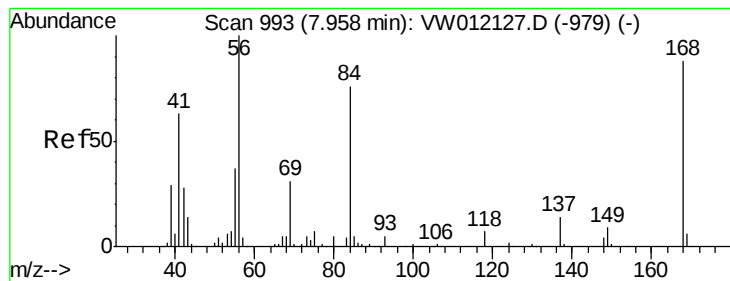
MMDadoda
9/3/2019 10:44:40 AM



#30
Chloroform
Concen: 58.514 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0





#31

Cyclohexane

Concen: 49.748 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampled :

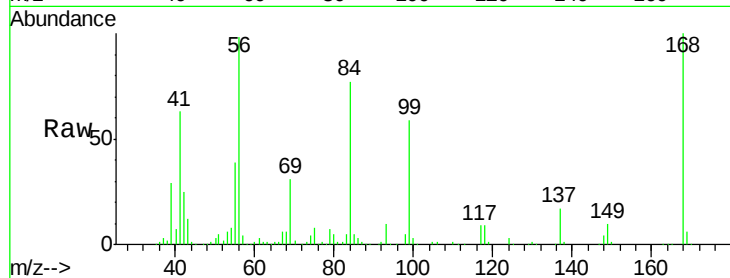
VSTDCCC050EC

Tot Ion: 56 Resp: 178196

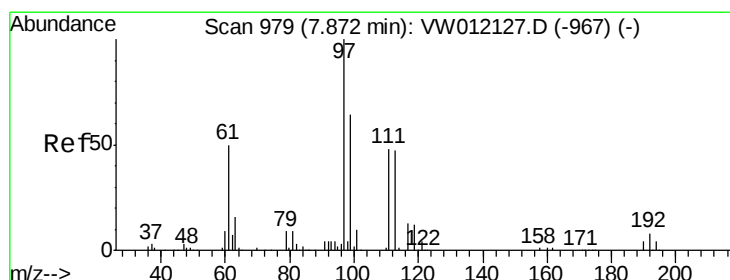
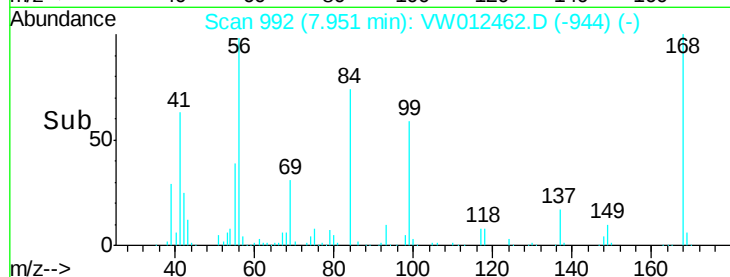
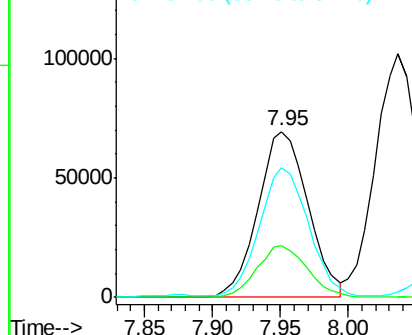
Ion	Ratio	Lower	Upper
56	100		
69	31.5	24.9	37.3
84	77.4	60.6	90.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 60.094 ug/l

RT: 7.87 min Scan# 979

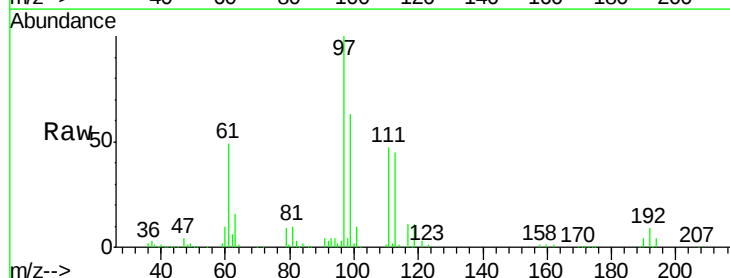
Delta R.T. -0.00 min

Lab File: VW012462.D

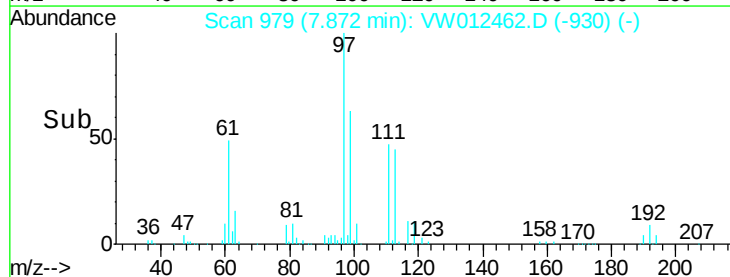
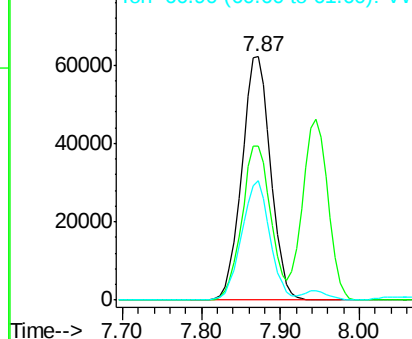
Acq: 01 Sep 2019 21:13

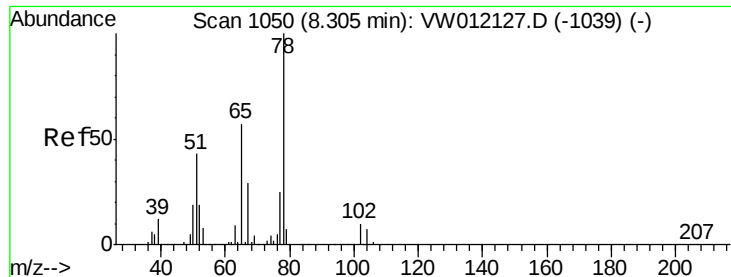
Tgt Ion: 97 Resp: 157466

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	48.2	39.5	59.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





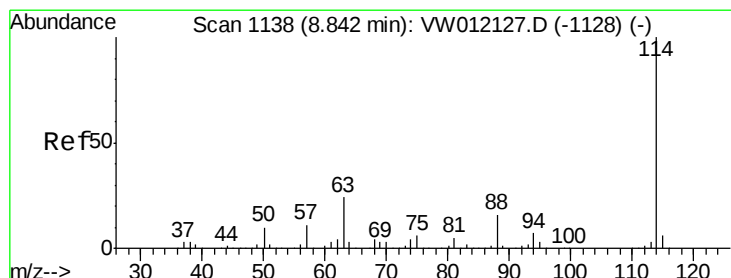
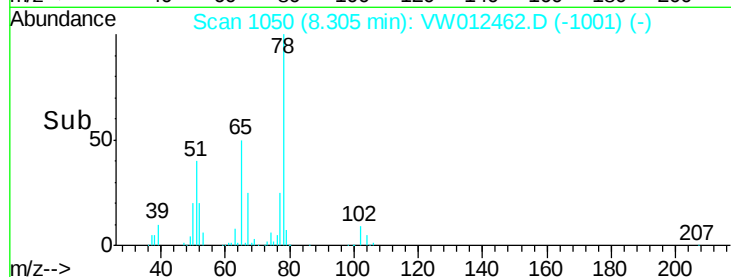
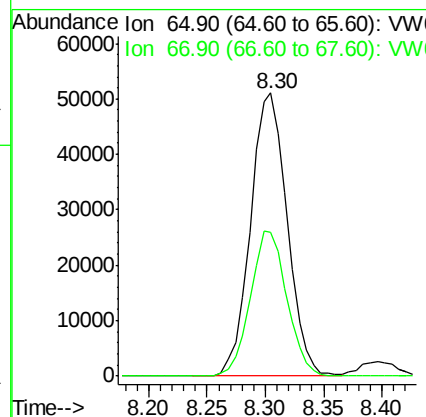
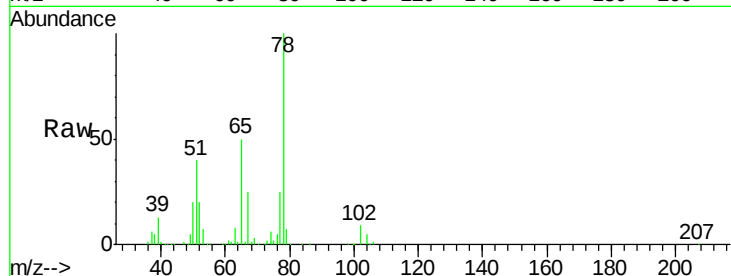
#33
 1,2-Dichloroethane-d4
 Concen: 56.335 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112032		
67	50.9	0.0	102.6	

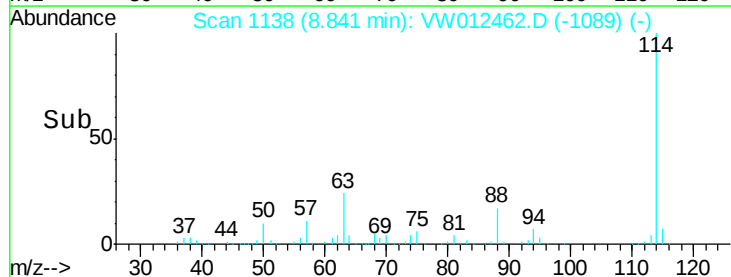
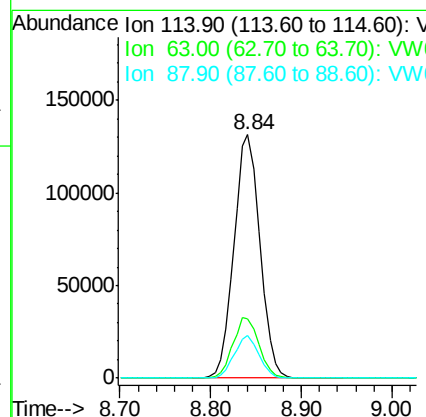
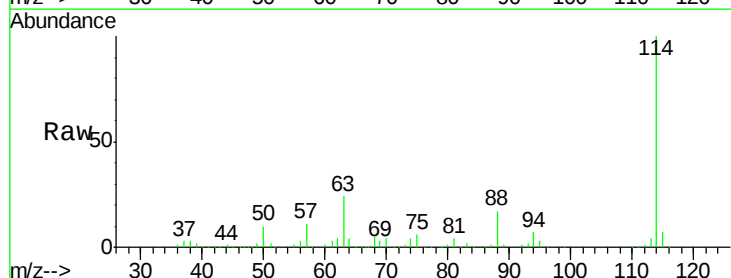
Manual Integrations
 APPROVED

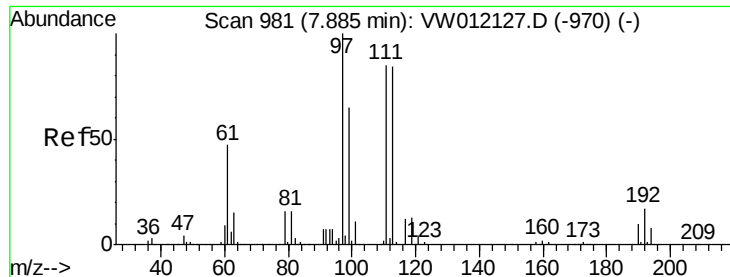
MMDadoda
 9/3/2019 10:44:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	261340		
63	24.3	0.0	48.6	
88	17.4	0.0	32.2	





#35

Dibromofluoromethane

Concen: 53.672 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

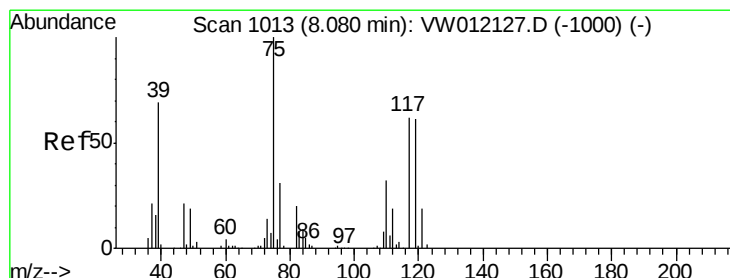
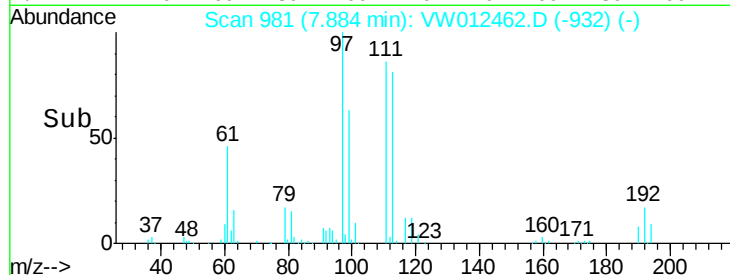
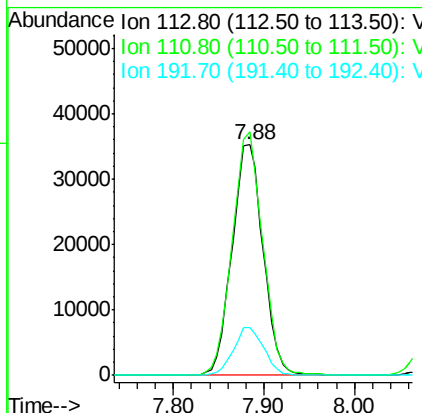
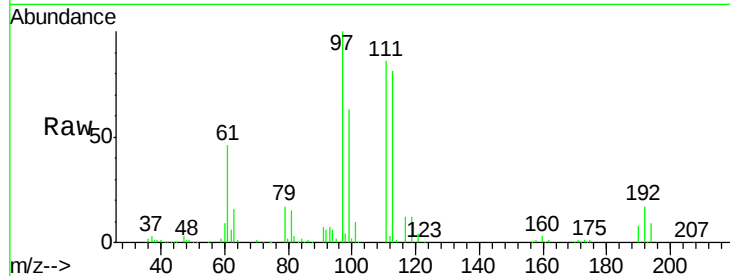
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	83725
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	20.5	16.2	24.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#36

1,1-Dichloropropene

Concen: 56.367 ug/l

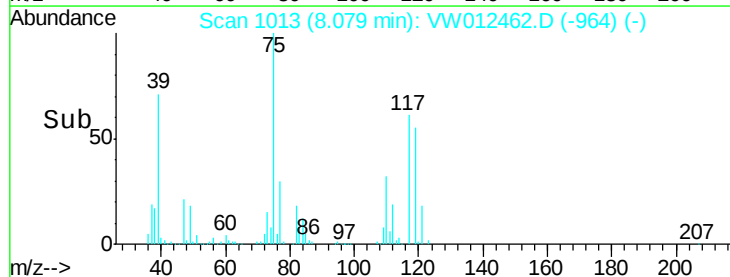
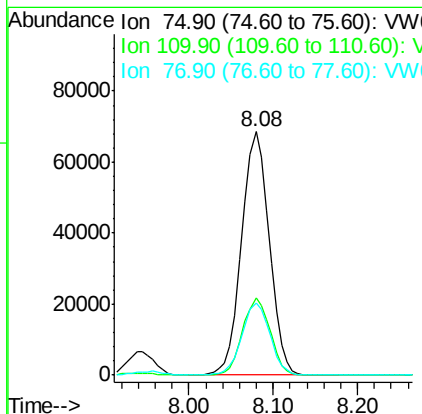
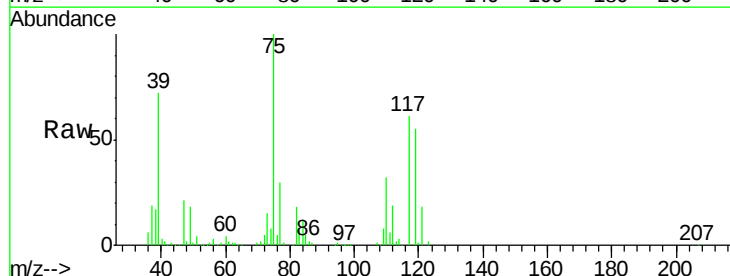
RT: 8.08 min Scan# 1013

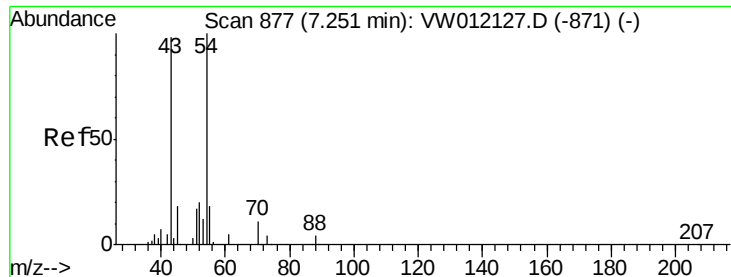
Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion:	75	Resp:	152226
Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.6	46.8
77	30.2	24.6	36.8





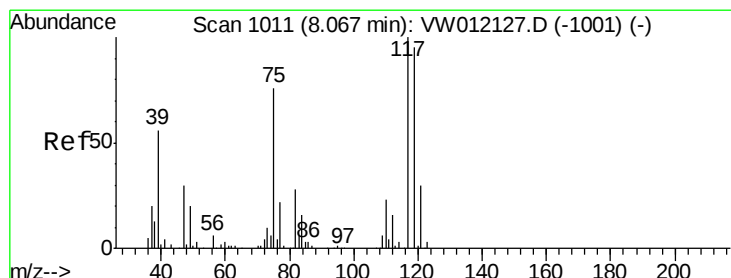
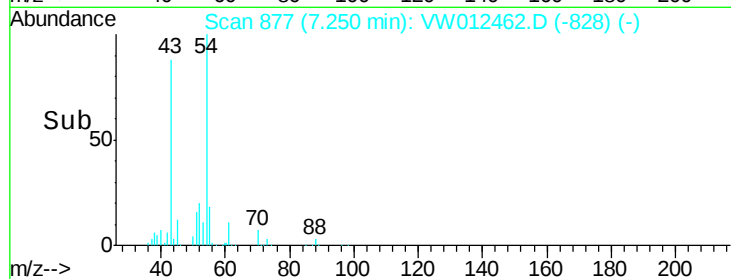
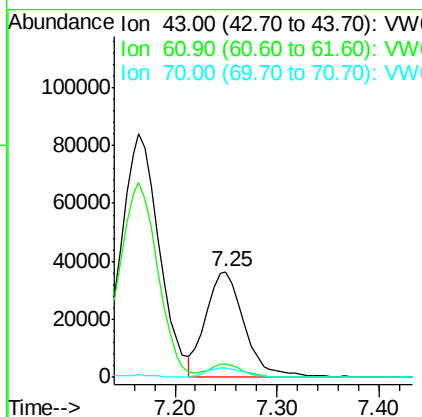
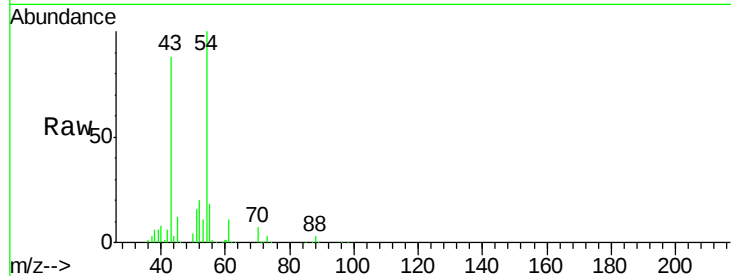
#37
Ethyl Acetate
Concen: 63.572 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.2	13.8
70	8.8	6.9	10.3

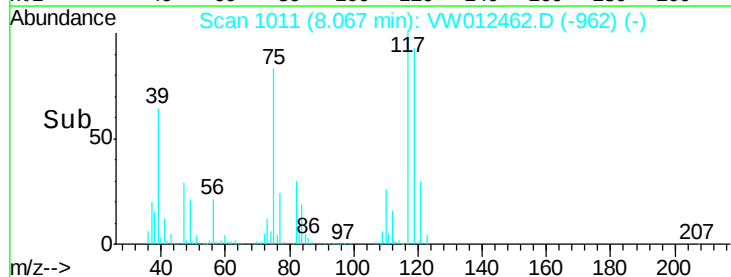
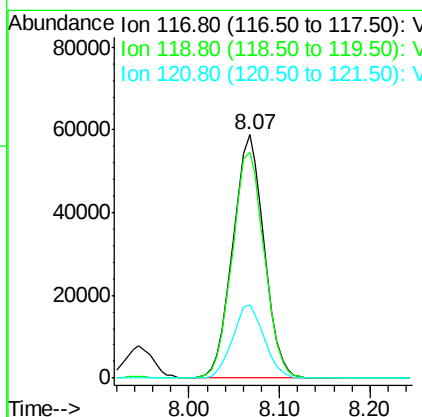
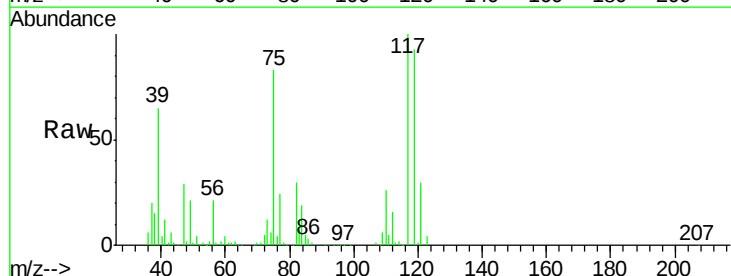
Manual Integrations
APPROVED

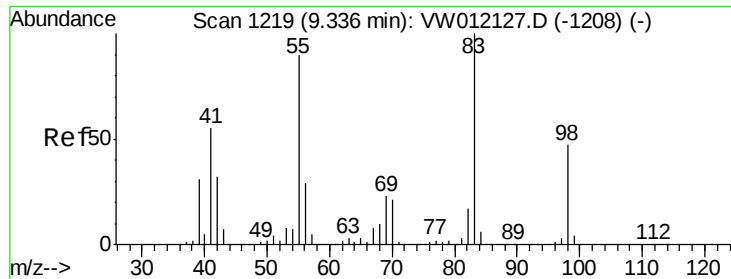
MMDadoda
9/3/2019 10:44:40 AM



#38
Carbon Tetrachloride
Concen: 60.058 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.2	114.2
121	30.1	23.8	35.8





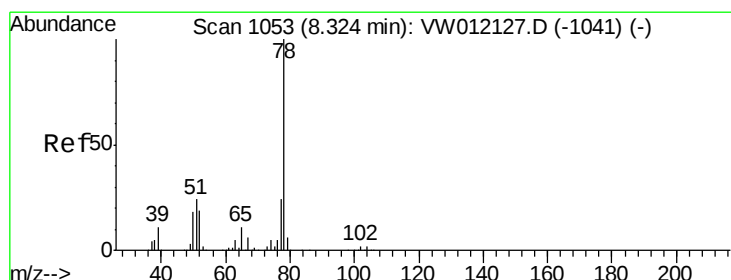
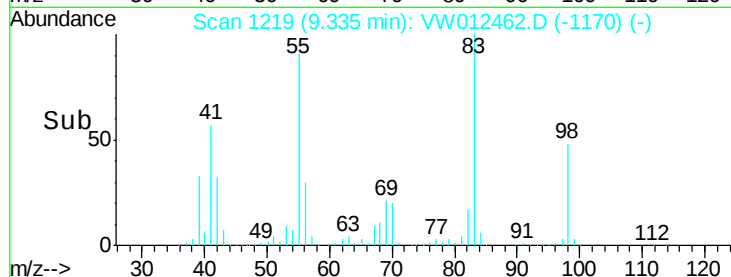
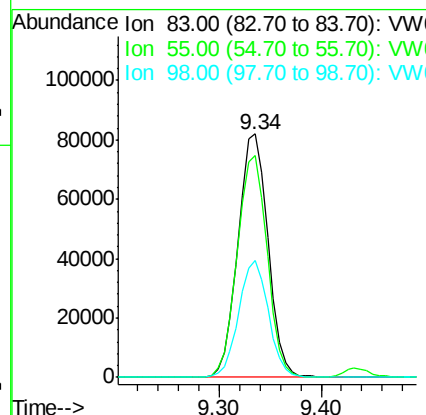
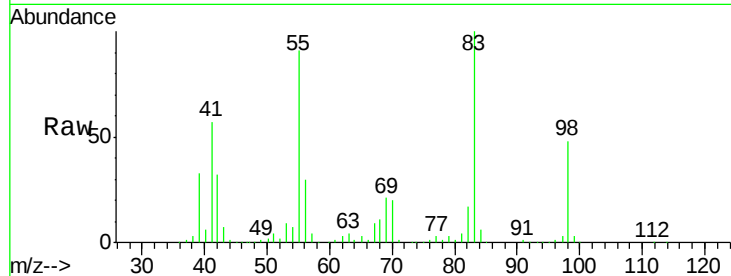
#39
Methvlcvclohexane
Concen: 55.148 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	167318
Ion Ratio	100	Lower	Upper
83	100		
55	91.2	71.8	107.8
98	47.9	37.8	56.8

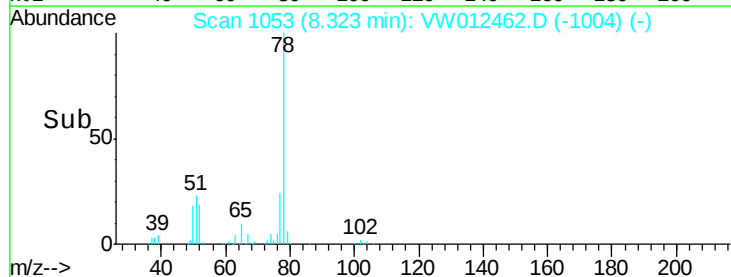
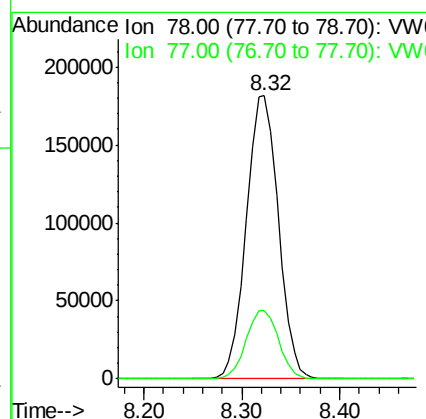
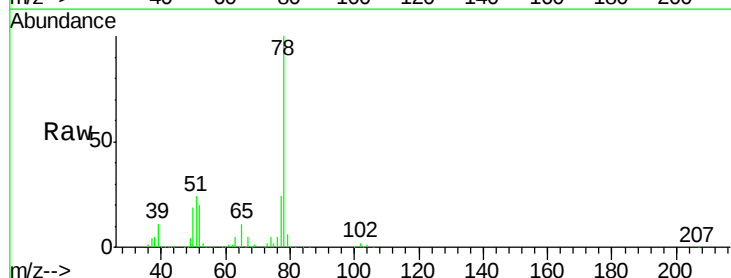
Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#40
Benzene
Concen: 56.152 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	78	Resp	414083
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.5	29.3





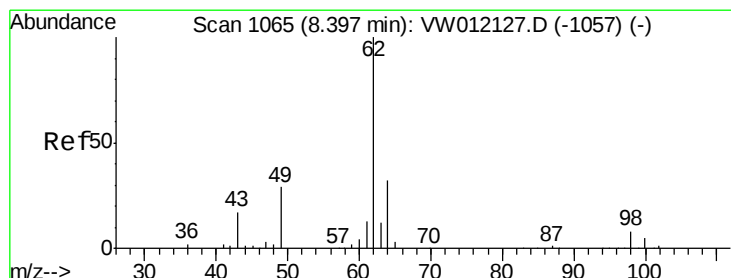
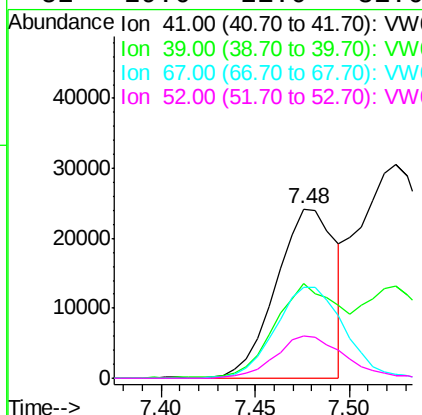
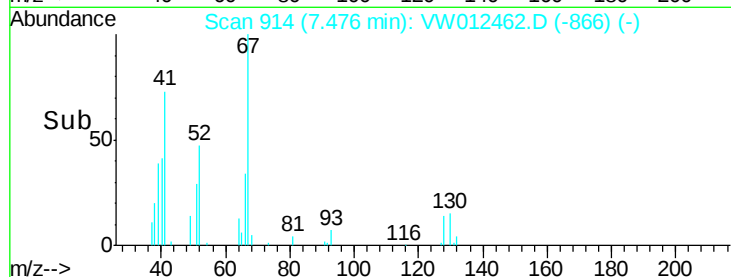
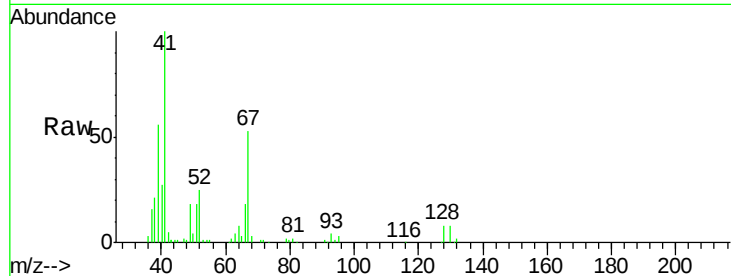
#41
Methacrylonitrile
Concen: 60.807 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	52890
Ion	Ratio	Lower	Upper
41	100		
39	61.6	45.8	68.8
67	63.0	46.2	69.4
52	29.6	21.0	31.6

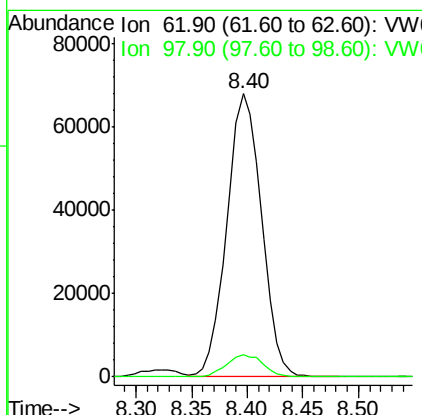
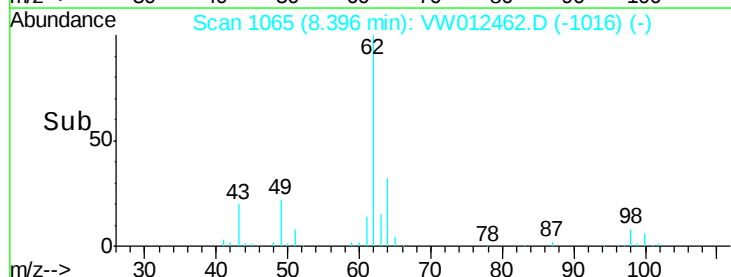
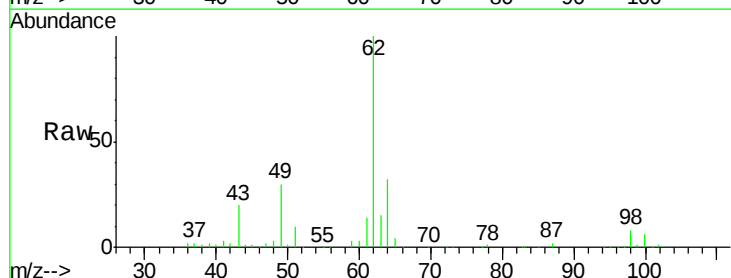
Manual Integrations
APPROVED

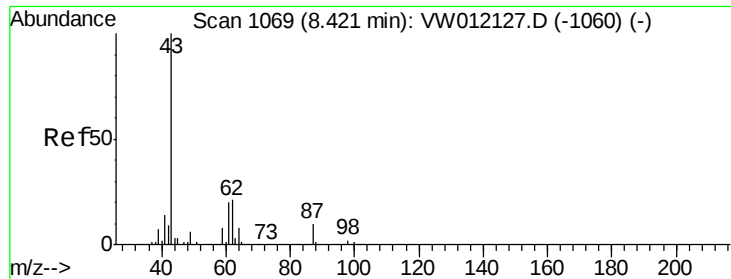
MMDadoda
9/3/2019 10:44:40 AM



#42
1,2-Dichloroethane
Concen: 63.576 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	62	Resp	146936
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





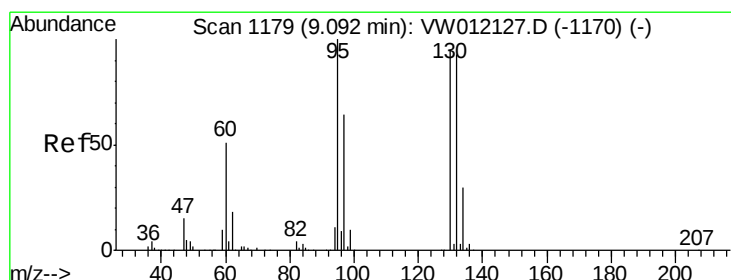
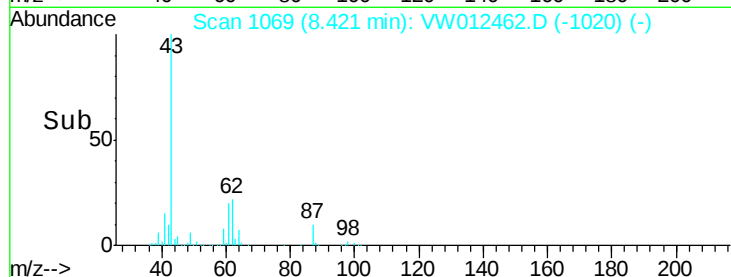
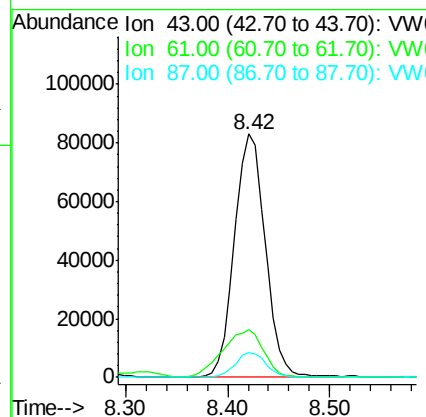
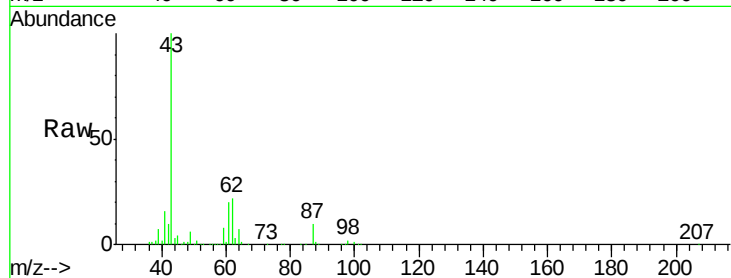
#43
Isopropyl Acetate
Concen: 63.145 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.1	31.7
87	10.1	8.2	12.2

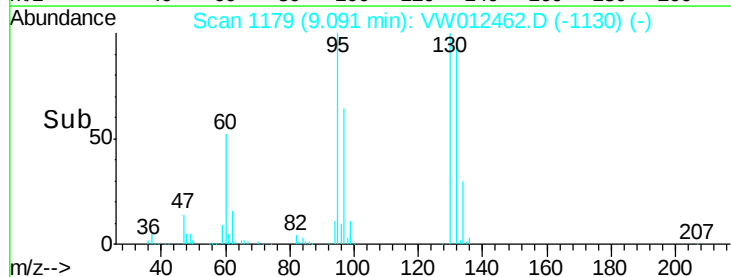
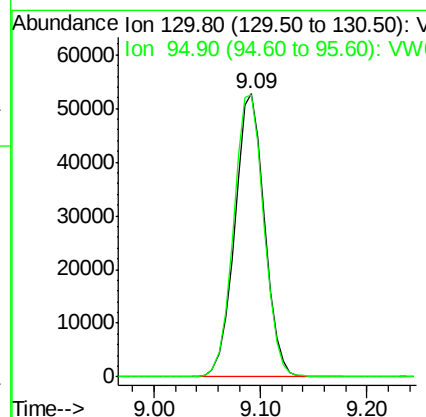
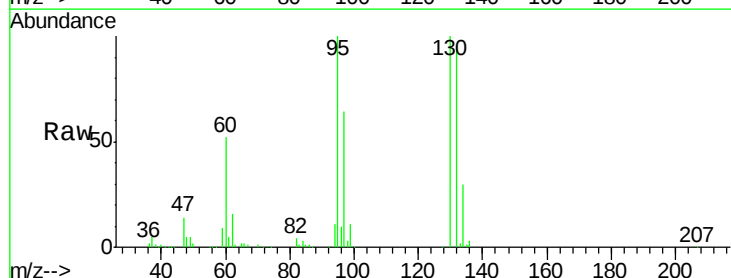
Manual Integrations
APPROVED

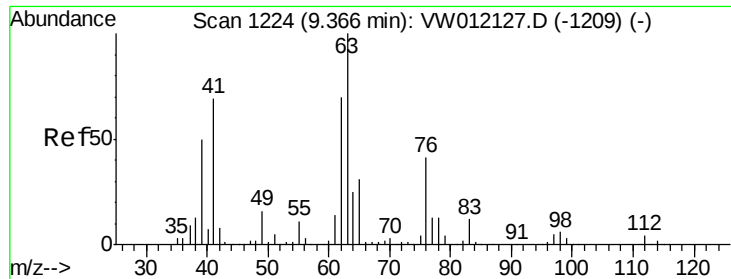
MMDadoda
9/3/2019 10:44:40 AM



#44
Trichloroethene
Concen: 57.458 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	210.6





#45

1,2-Dichloropropane

Concen: 57.018 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.0	37.4

Instrument :

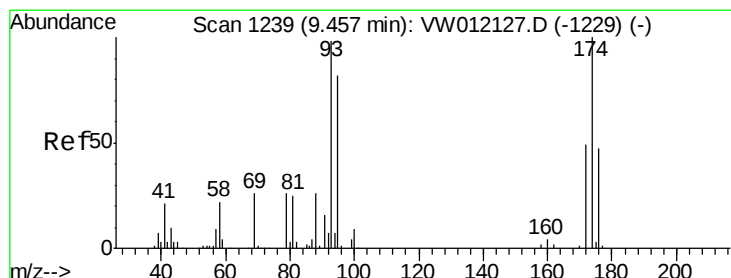
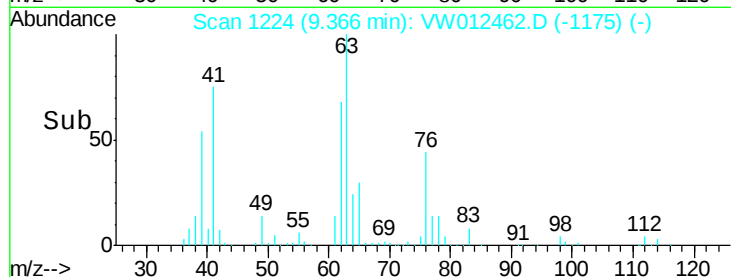
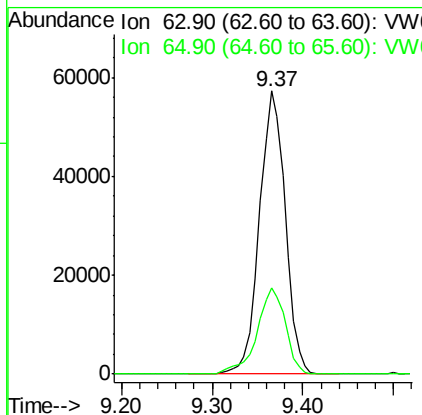
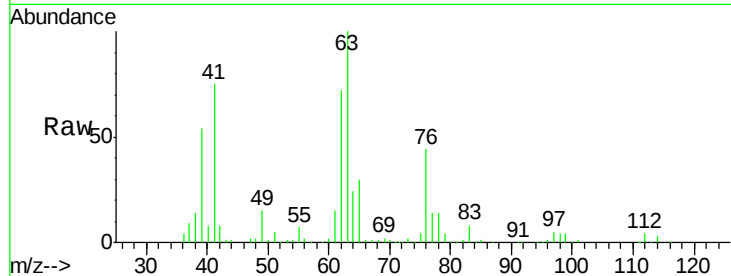
MSVOA_W

ClientSampled :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#46

Dibromomethane

Concen: 62.045 ug/l

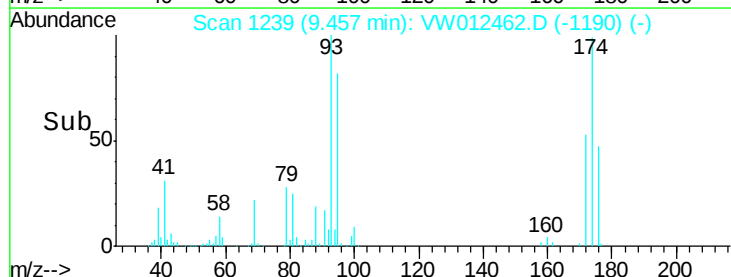
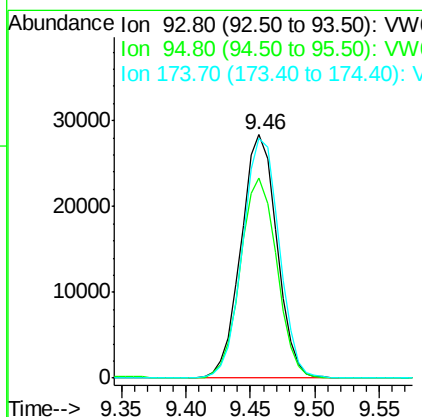
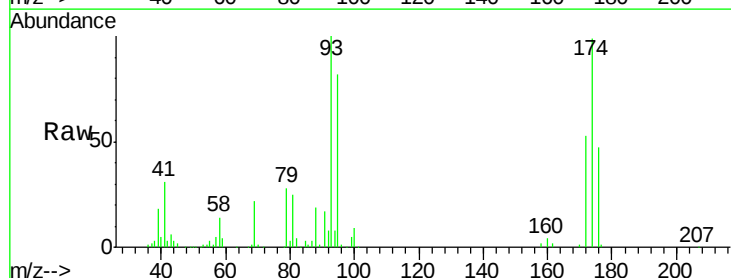
RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.2	100.8
174	100.0	79.0	118.6





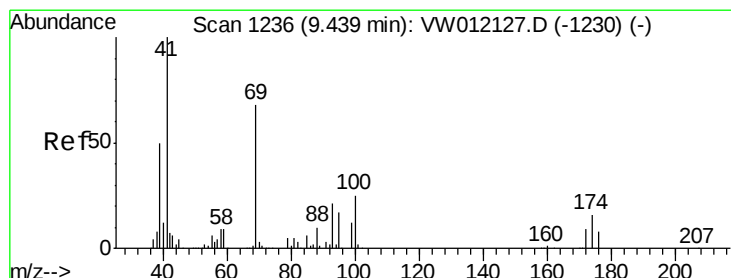
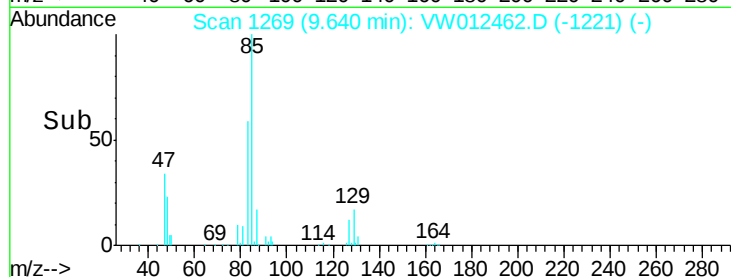
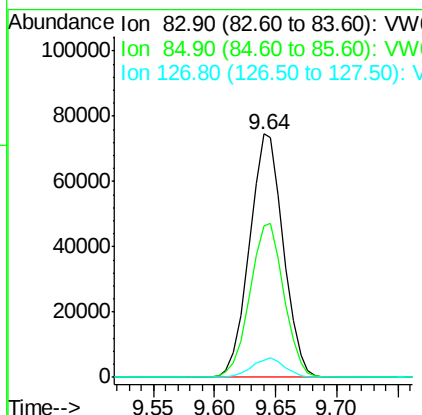
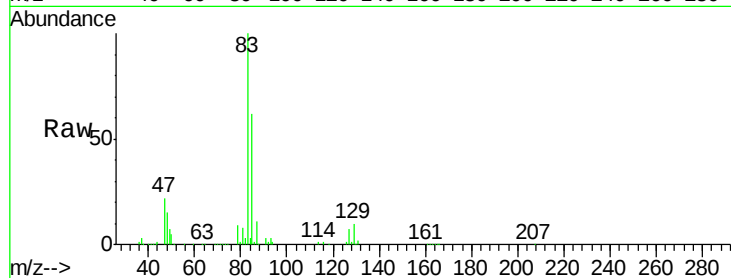
#47
Bromodichloromethane
Concen: 60.985 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	143323		
85	62.0		49.4	74.2
127	7.1		6.1	9.1

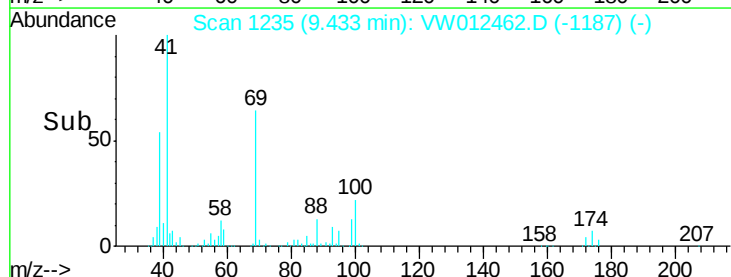
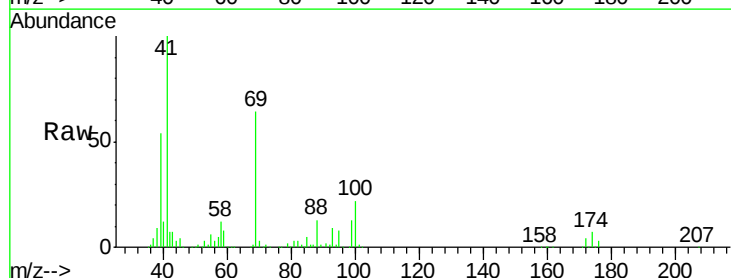
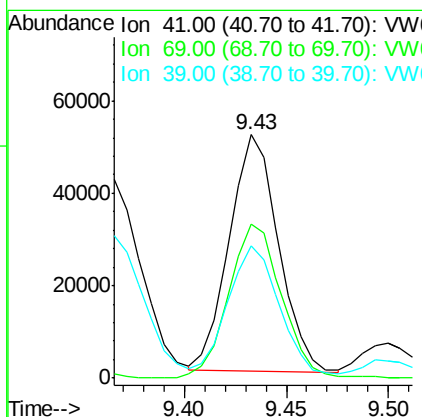
Manual Integrations
APPROVED

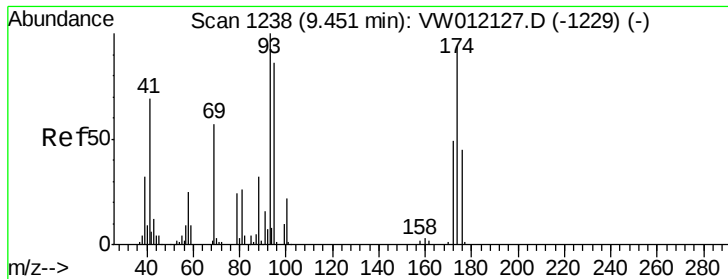
MMDadoda
9/3/2019 10:44:40 AM



#48
Methyl methacrylate
Concen: 65.681 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	85694		
69	69.9		56.7	85.1
39	55.3		42.0	63.0





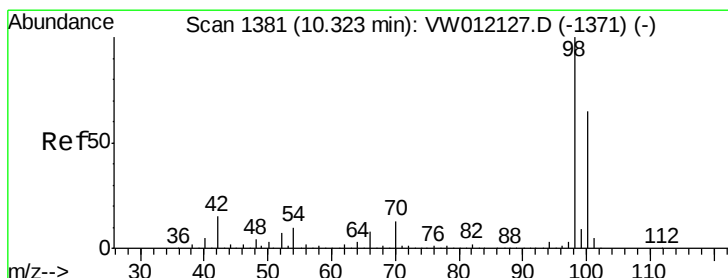
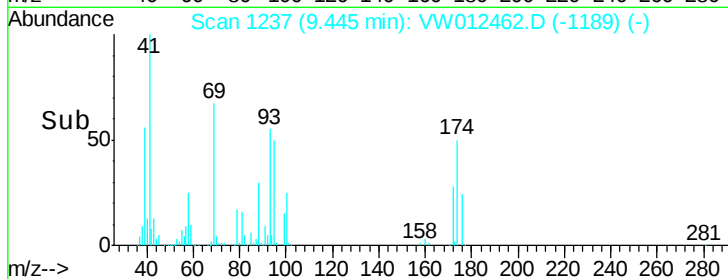
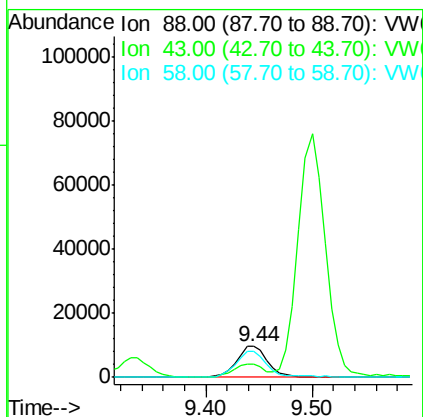
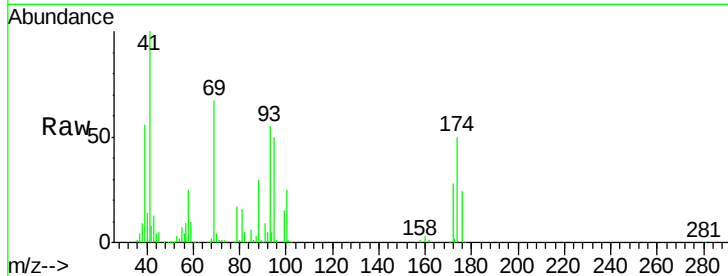
#49
1,4-Dioxane
Concen: 1465.954 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	19817
Ion	Ratio	Lower	Upper
88	100		
43	42.0	32.9	49.3
58	86.5	71.0	106.4

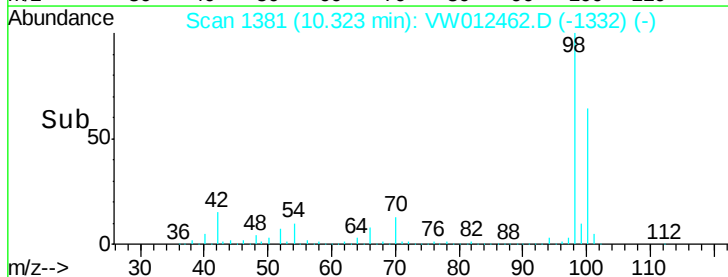
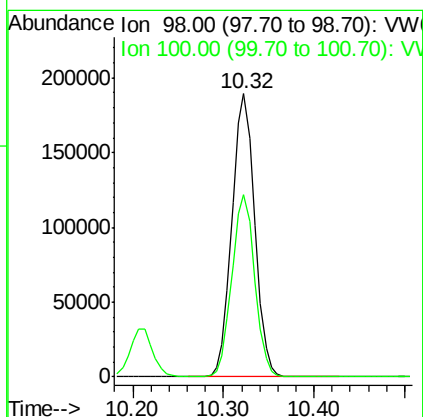
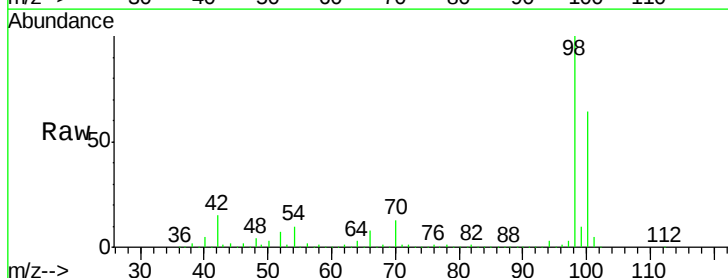
Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#50
Toluene-d8
Concen: 52.207 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	98	Resp	330217
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 336.564 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 469268

Ion Ratio Lower Upper

43 100

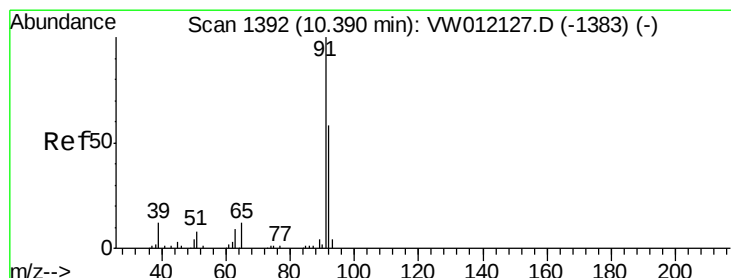
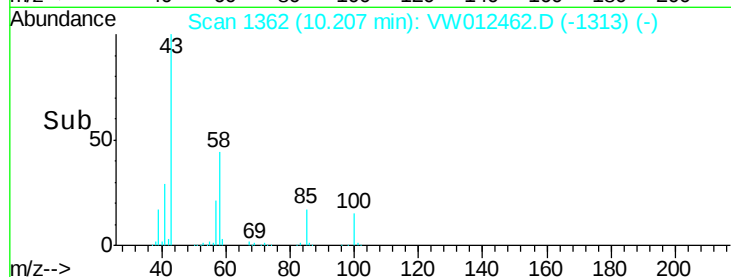
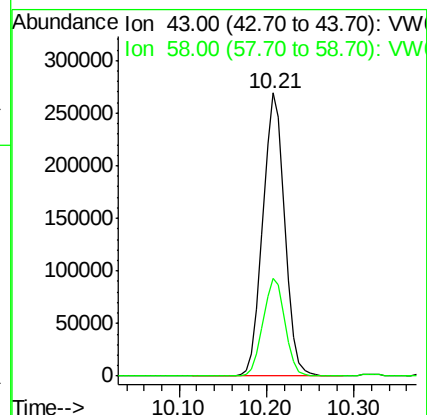
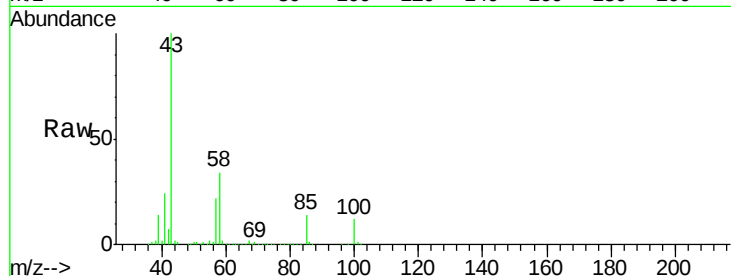
58 34.7 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:40 AM



#52

Toluene

Concen: 57.269 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012462.D

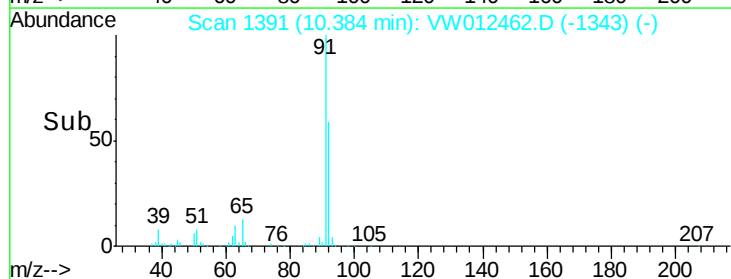
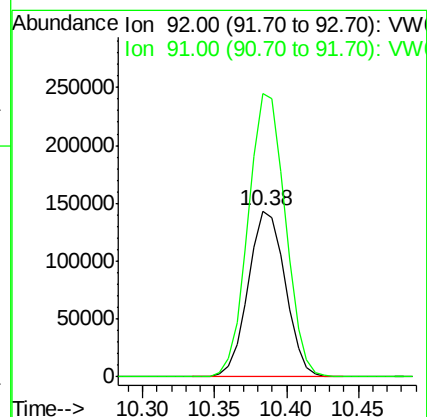
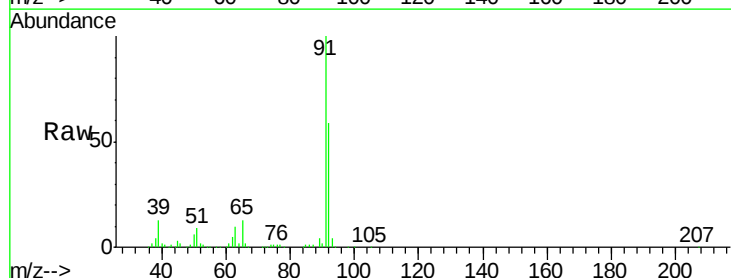
Acq: 01 Sep 2019 21:13

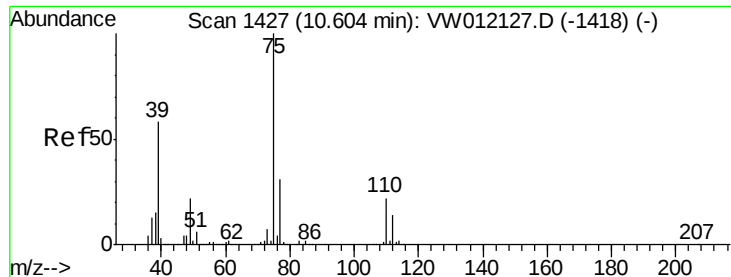
Tgt Ion: 92 Resp: 253704

Ion Ratio Lower Upper

92 100

91 171.9 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 60.730 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 145380

Ion Ratio Lower Upper

75 100

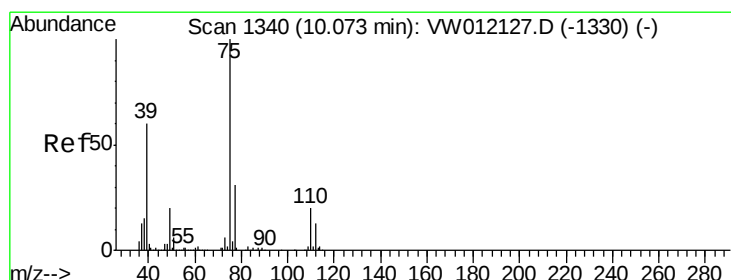
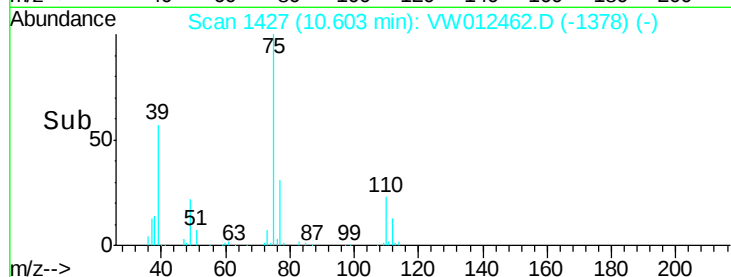
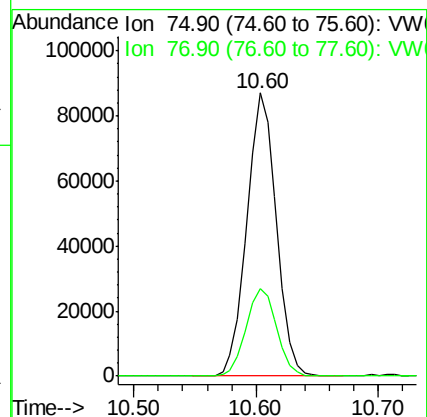
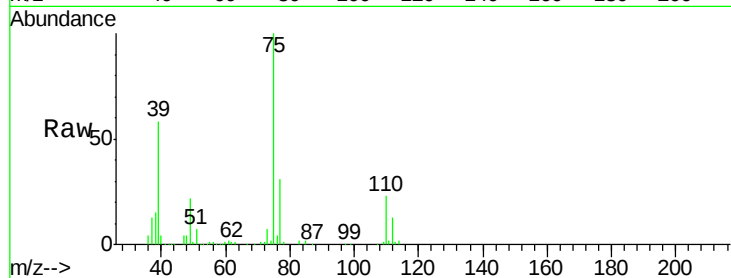
77 31.1 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

9/3/2019 10:44:40 AM



#54

cis-1,3-Dichloropropene

Concen: 58.461 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

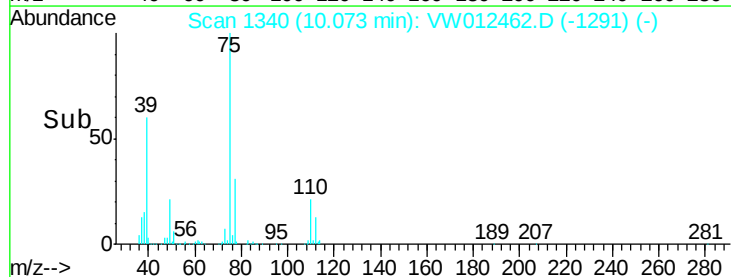
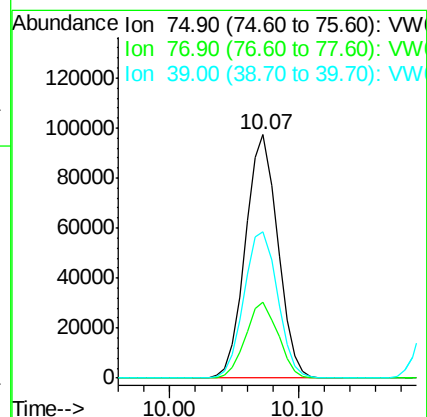
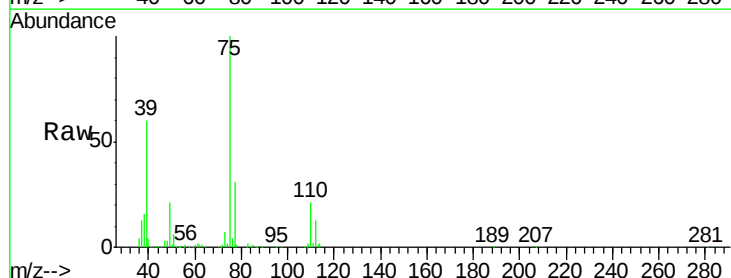
Tgt Ion: 75 Resp: 168980

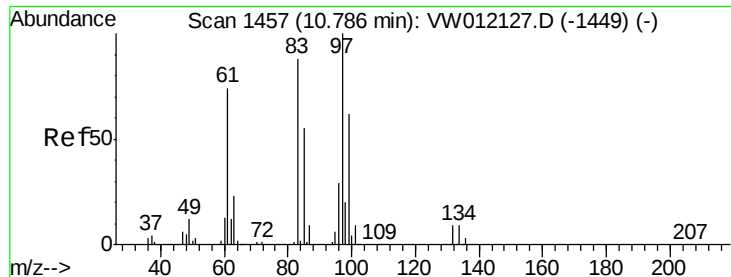
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 60.1 48.3 72.5





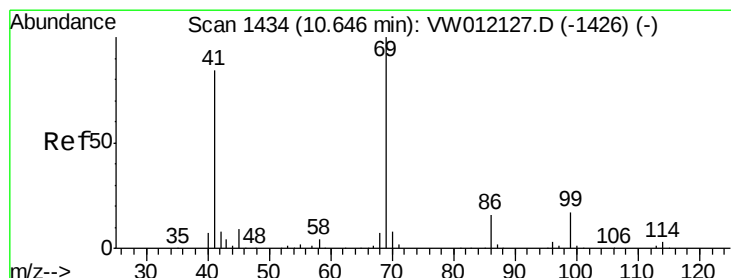
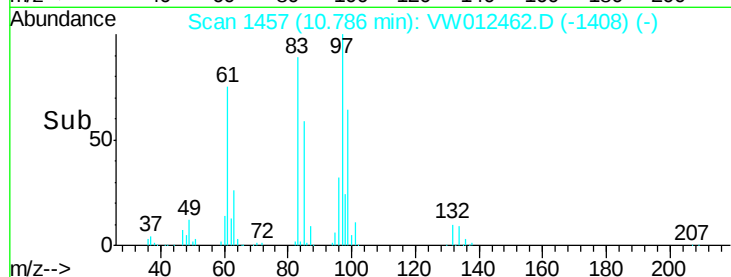
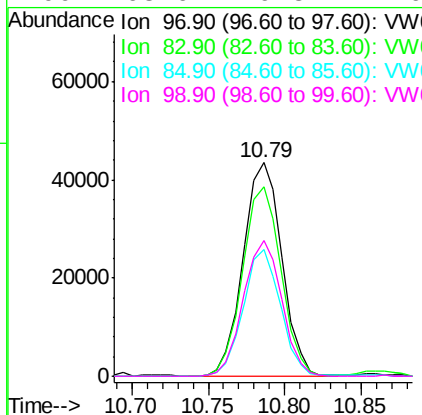
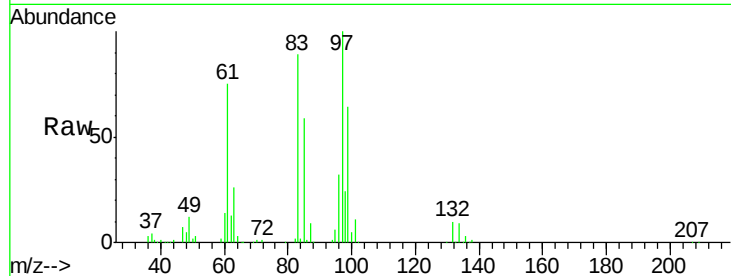
#55
 1,1,2-Trichloroethane
 Concen: 61.530 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	76874
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.8	106.2
85	59.3	43.8	65.8
99	63.6	49.8	74.6

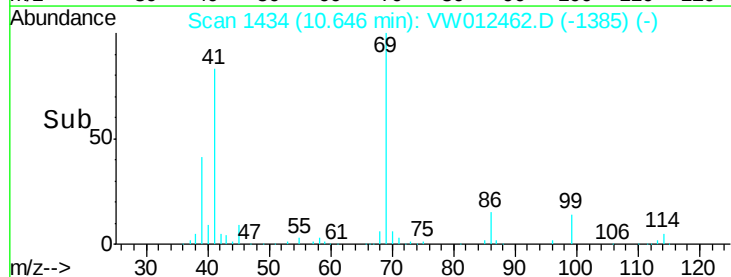
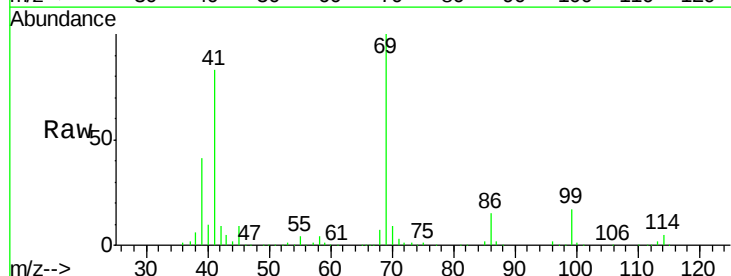
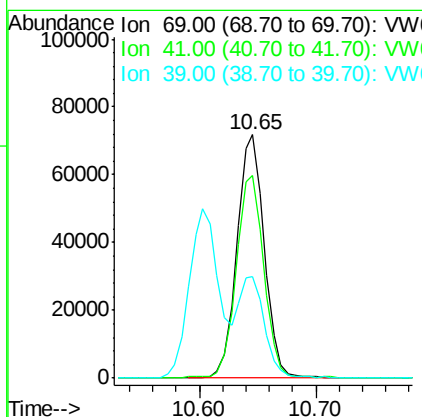
Manual Integrations
 APPROVED

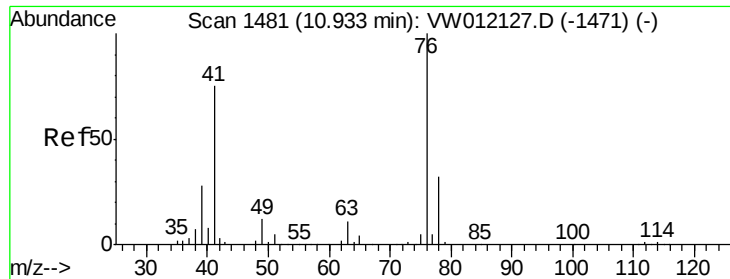
MMDadoda
 9/3/2019 10:44:40 AM



#56
 Ethyl methacrylate
 Concen: 64.433 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion:	69	Resp:	117162
Ion	Ratio	Lower	Upper
69	100		
41	84.4	66.5	99.7
39	39.1	31.0	46.4





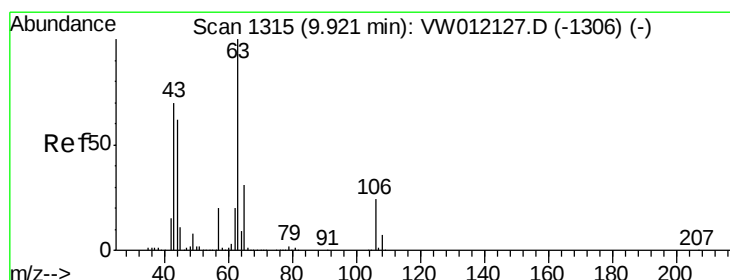
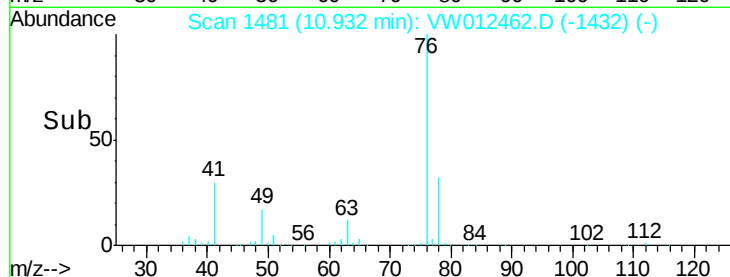
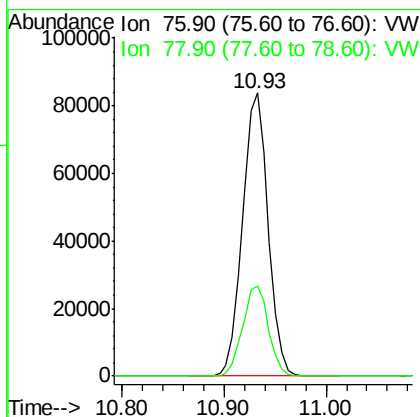
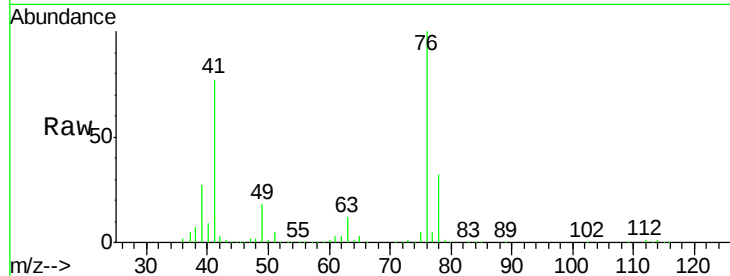
#57
 1,3-Dichloropropane
 Concen: 61.597 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 145430
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

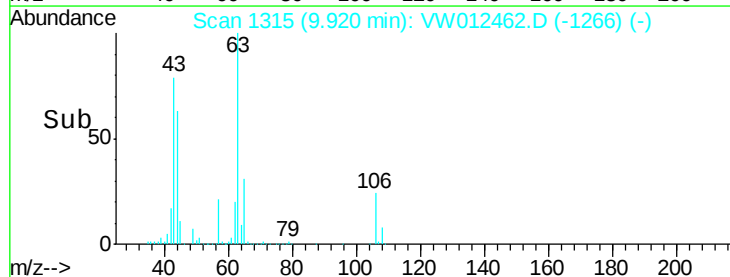
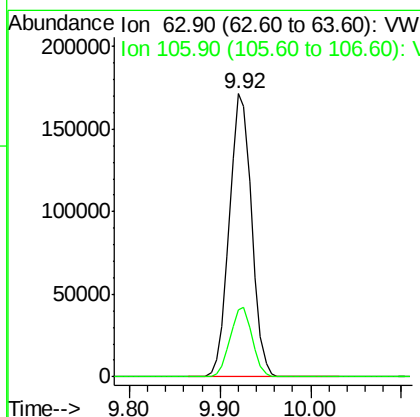
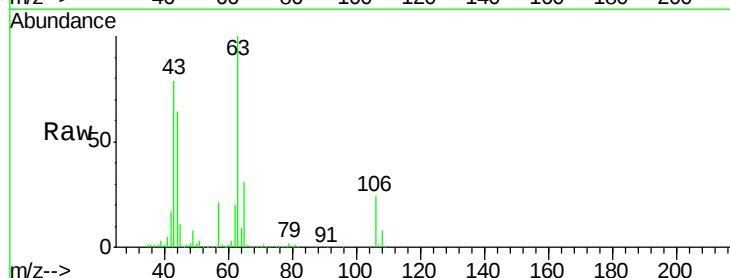
Manual Integrations
 APPROVED

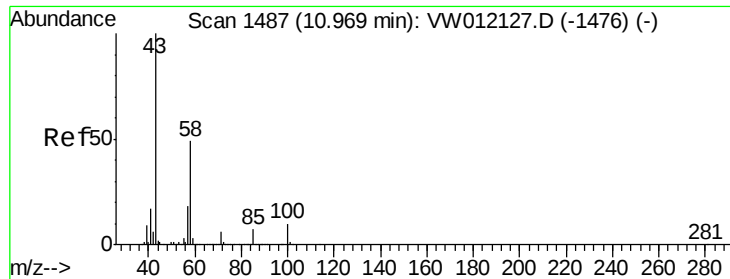
MMDadoda
 9/3/2019 10:44:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 313.026 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion: 63 Resp: 292121
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.8





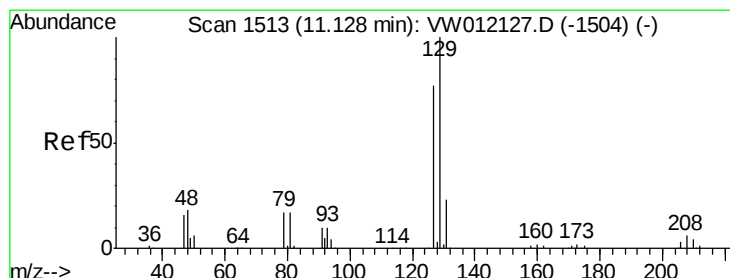
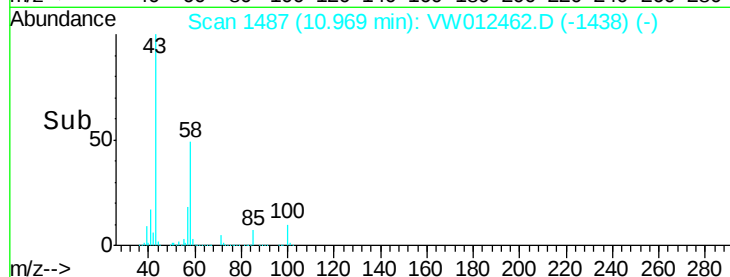
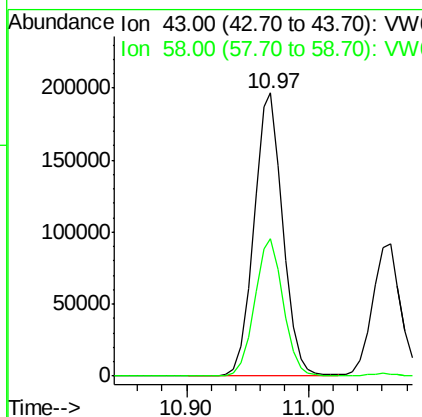
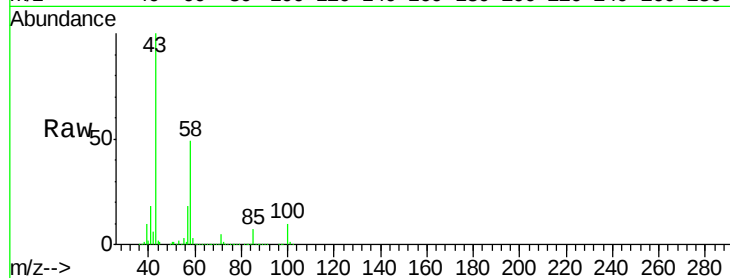
#59
2-Hexanone
Concen: 326.702 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	24.3	72.9

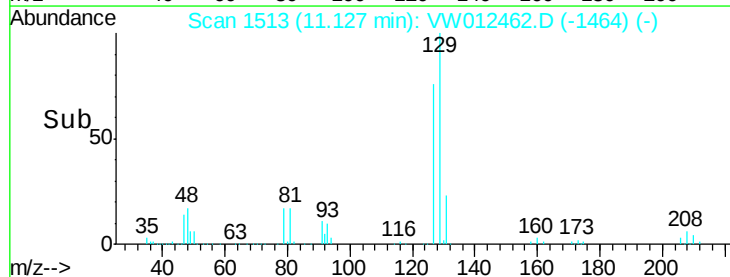
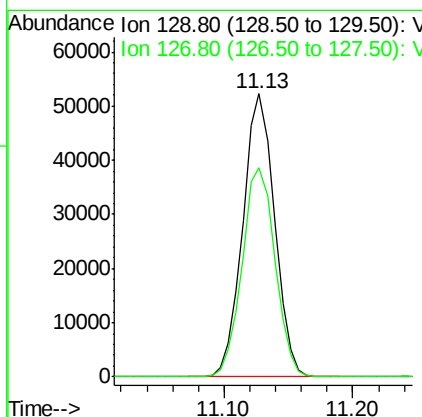
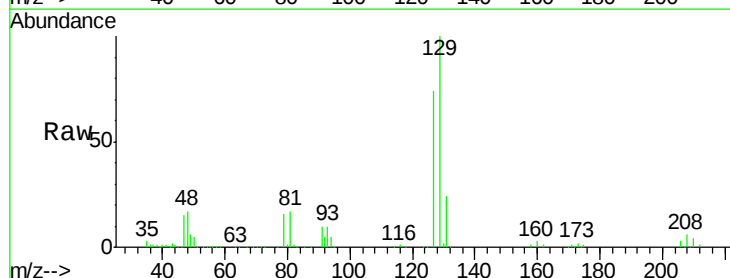
Manual Integrations
APPROVED

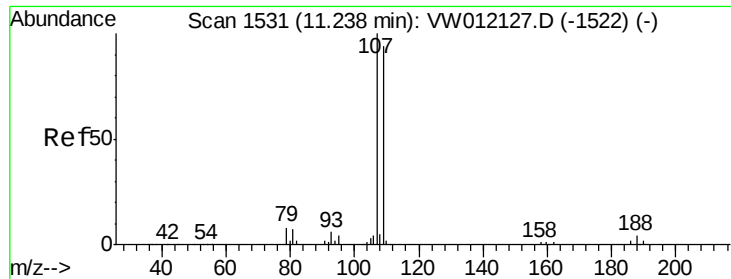
MMDadoda
9/3/2019 10:44:40 AM



#60
Dibromochloromethane
Concen: 64.012 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.6	115.8





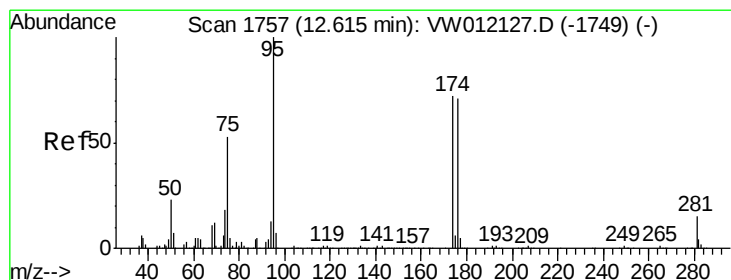
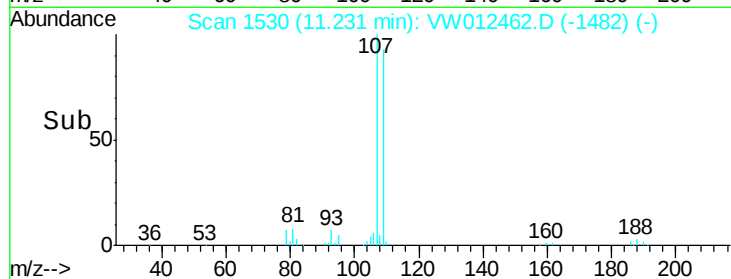
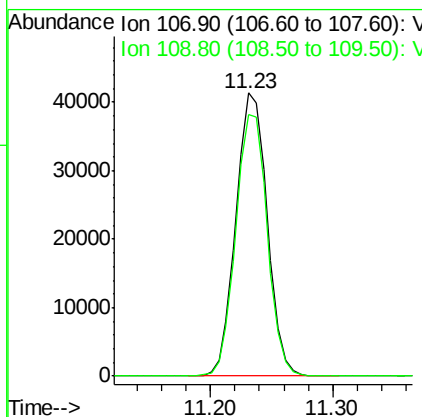
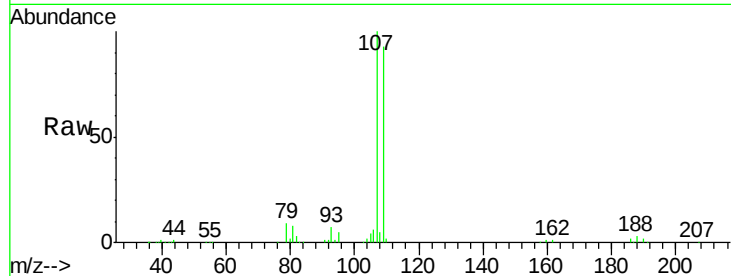
#61
 1,2-Dibromoethane
 Concen: 63.149 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.4	113.2

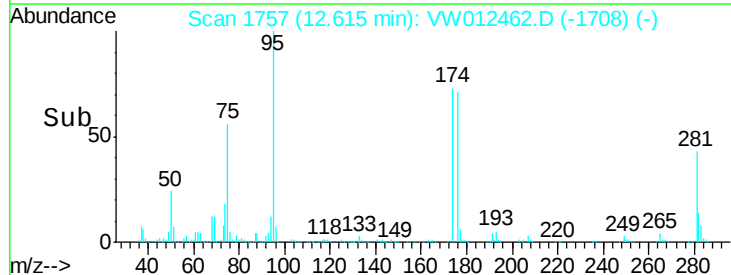
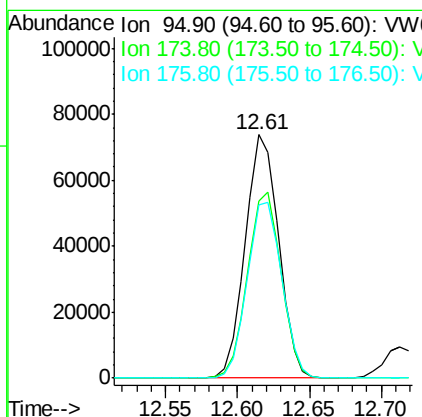
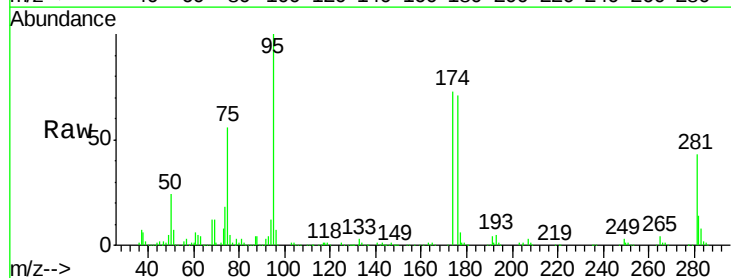
Manual Integrations
 APPROVED

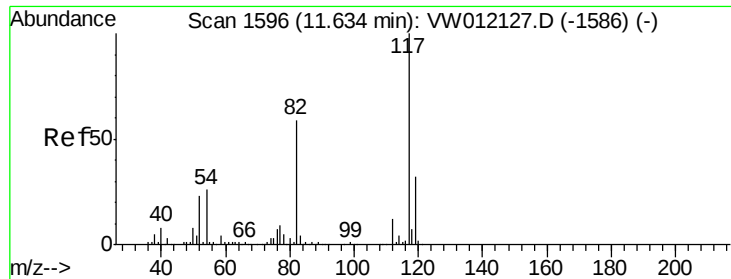
MMDadoda
 9/3/2019 10:44:40 AM



#62
 4-Bromofluorobenzene
 Concen: 53.301 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	150.8
176	74.6	0.0	148.6





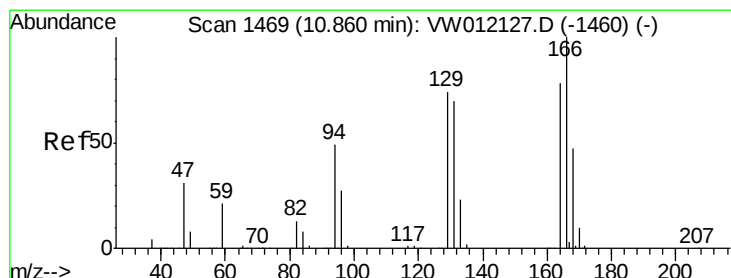
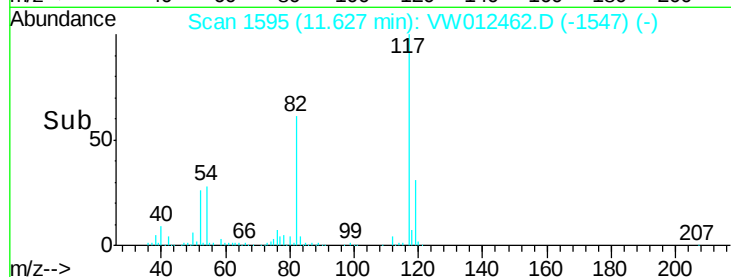
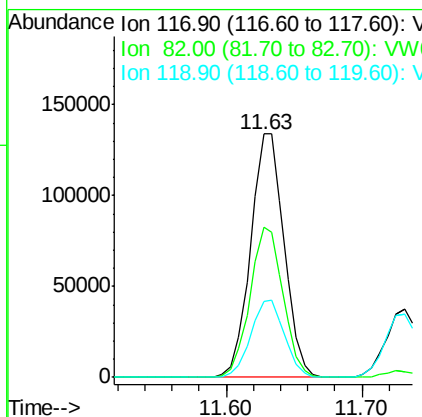
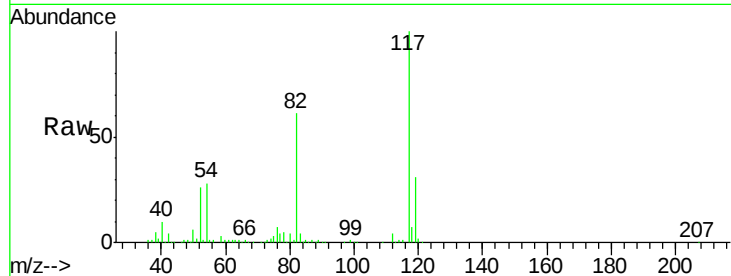
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	231515		
82	61.5	47.4	71.2	
119	31.3	25.4	38.2	

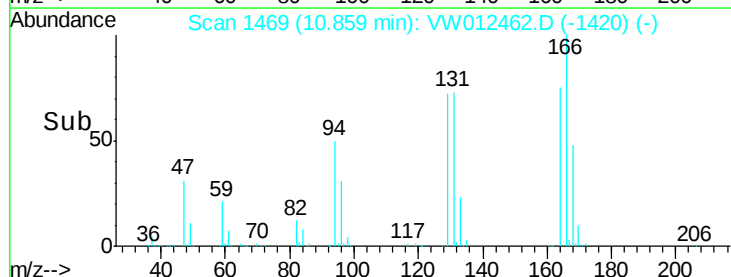
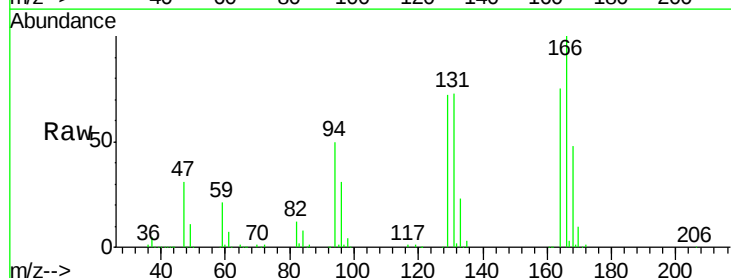
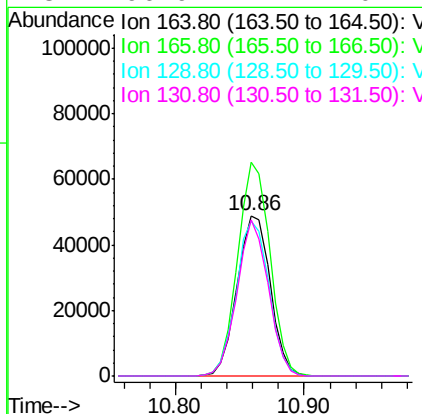
Manual Integrations
APPROVED

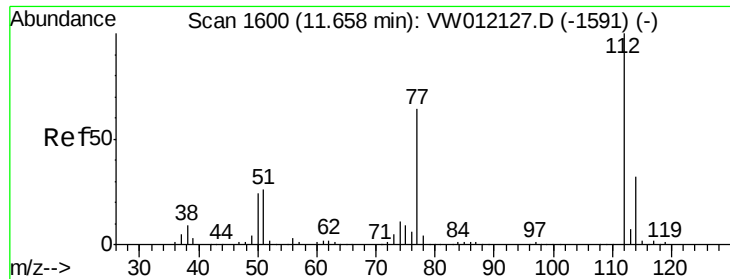
MMDadoda
9/3/2019 10:44:40 AM



#64
Tetrachloroethene
Concen: 58.083 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87182		
166	133.1	102.4	153.6	
129	96.3	75.8	113.6	
131	96.9	71.4	107.2	





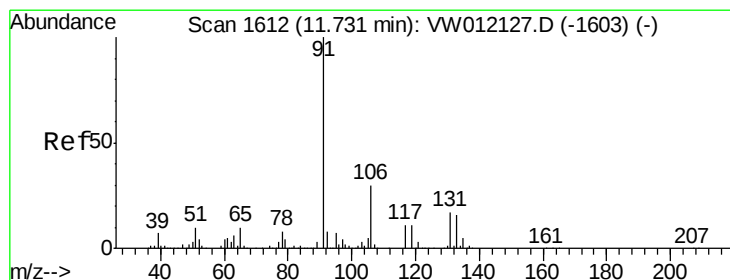
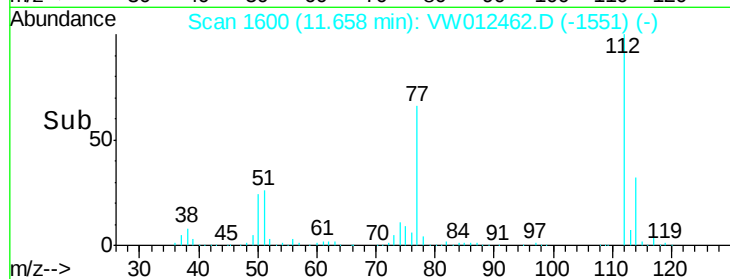
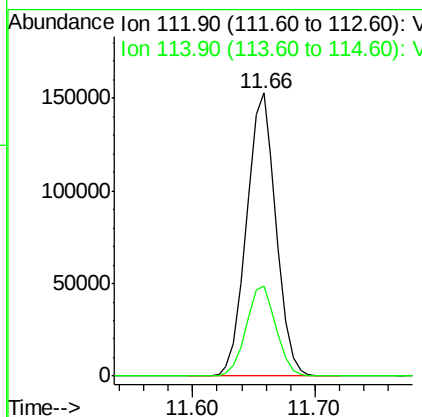
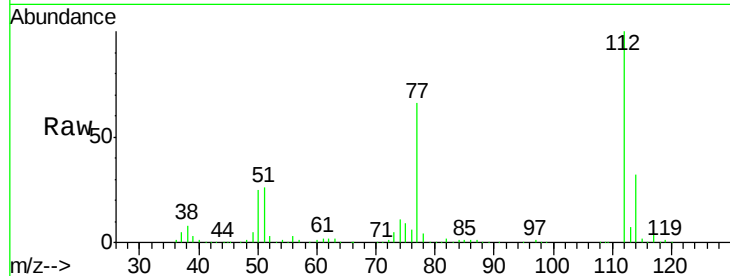
#65
Chlorobenzene
Concen: 55.915 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 254902
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

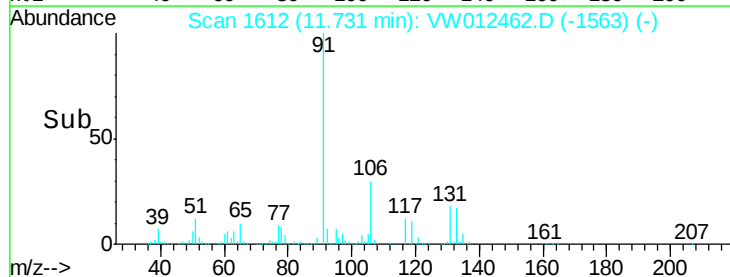
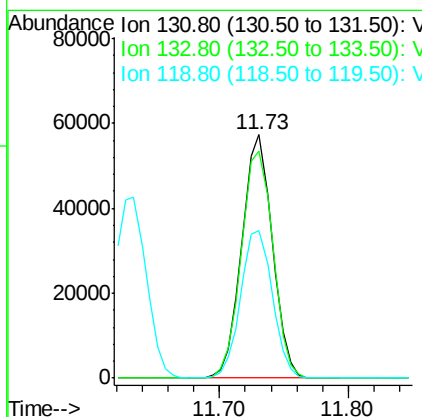
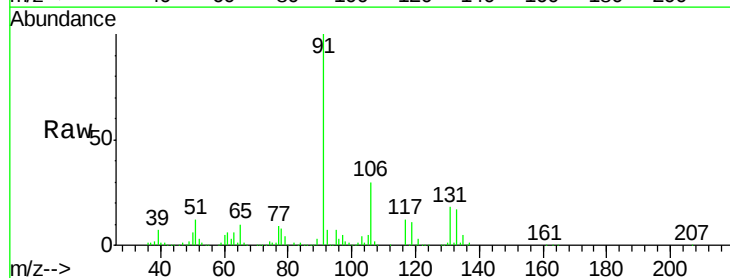
Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 59.140 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion:131 Resp: 94054
Ion Ratio Lower Upper
131 100
133 96.9 47.1 141.3
119 63.2 31.8 95.3





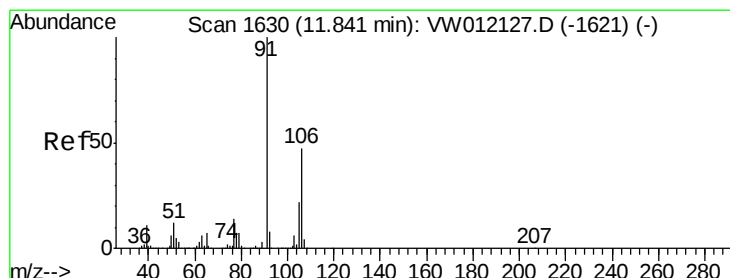
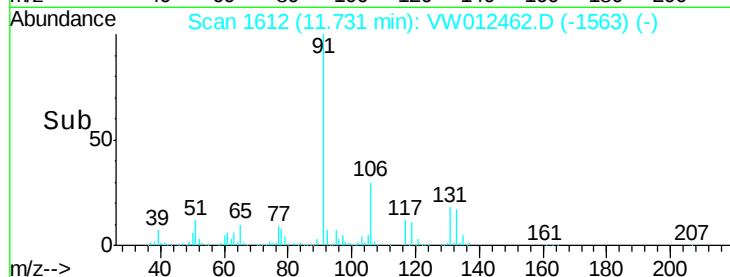
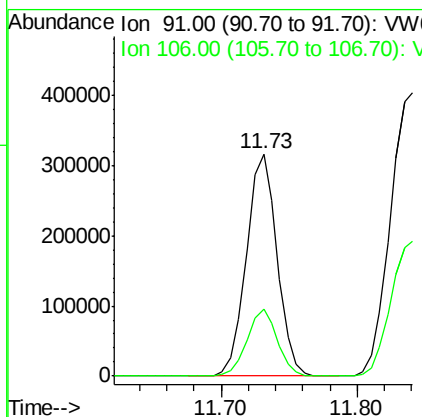
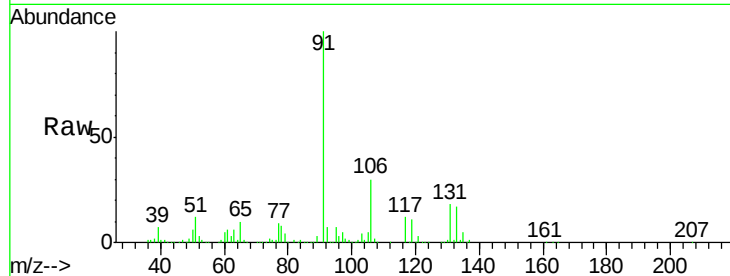
#67
Ethyl Benzene
Concen: 56.771 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	498545		
106	30.1	24.3	36.5	

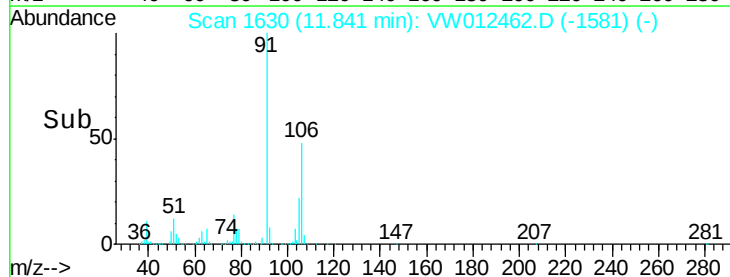
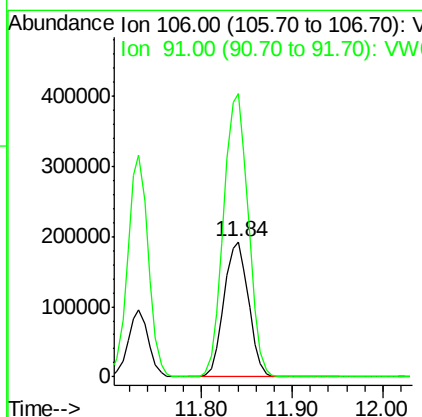
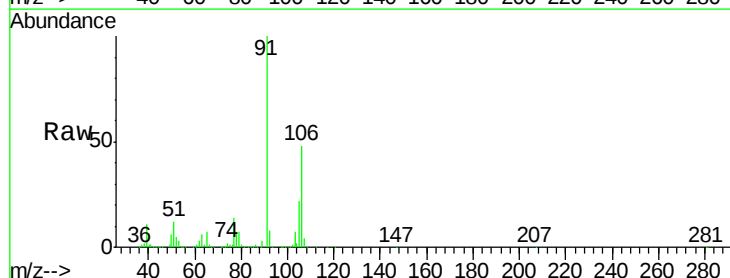
Manual Integrations
APPROVED

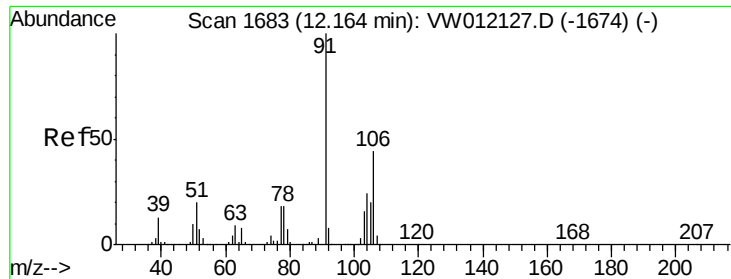
MMDadoda
9/3/2019 10:44:40 AM



#68
m/p-Xylenes
Concen: 114.436 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	361990		
91	210.9	169.5	254.3	





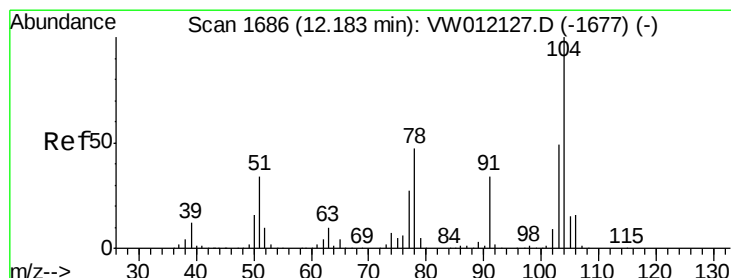
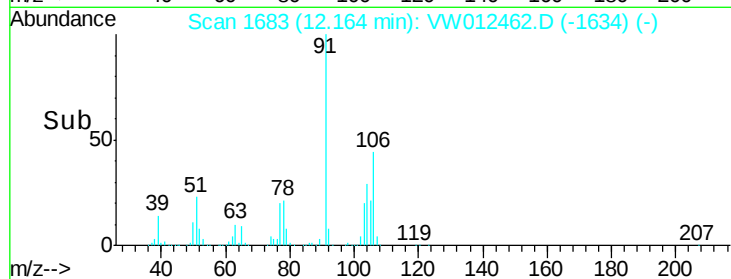
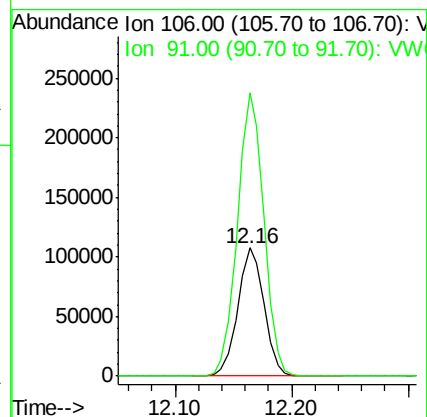
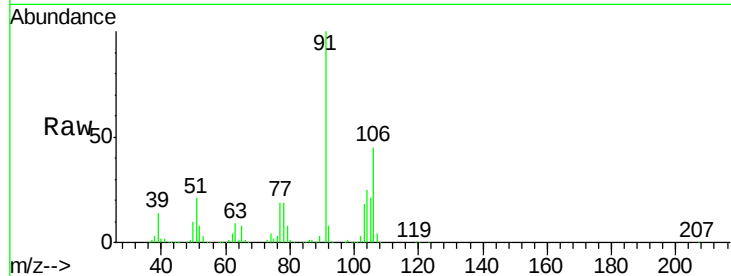
#69
o-Xylene
Concen: 57.592 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	168611		
91	91	222.8	111.6	334.6	

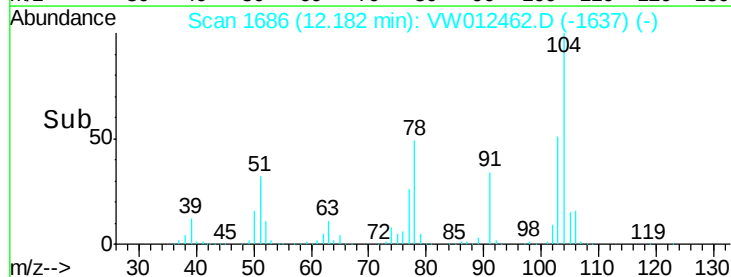
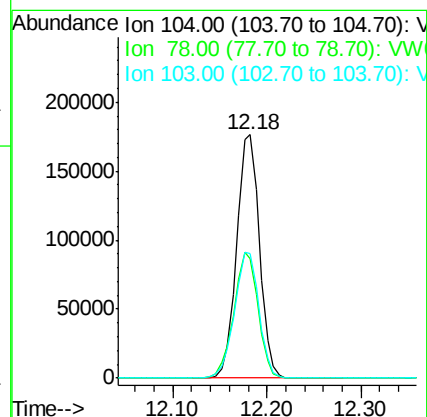
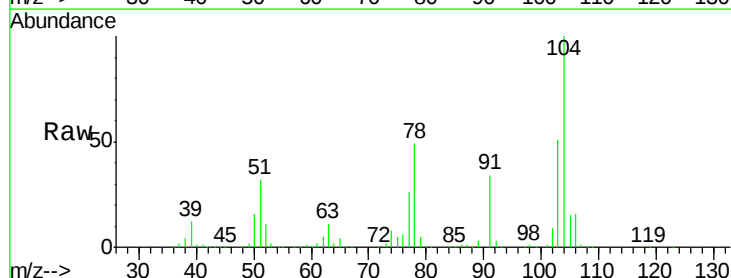
Manual Integrations
APPROVED

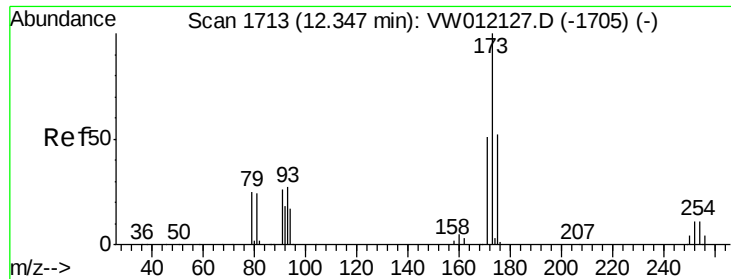
MMDadoda
9/3/2019 10:44:40 AM



#70
Styrene
Concen: 58.317 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	295524		
78	78	54.8	43.1	64.7	
103	103	55.4	43.5	65.3	





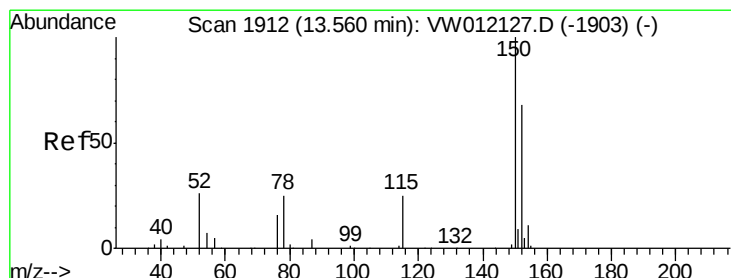
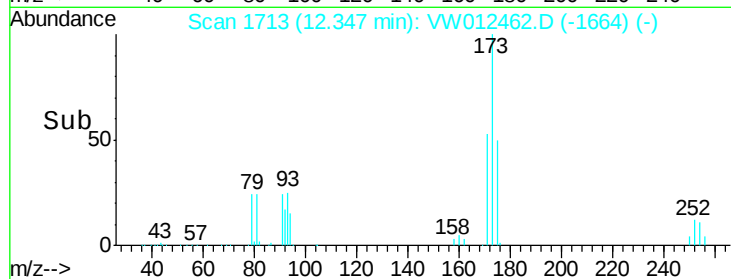
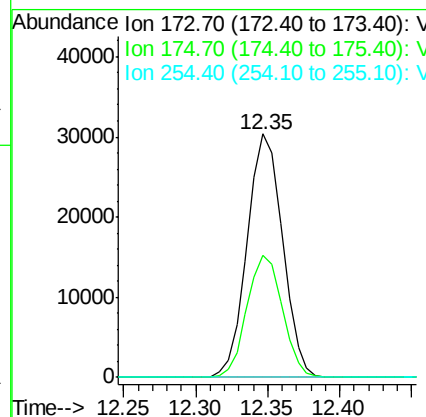
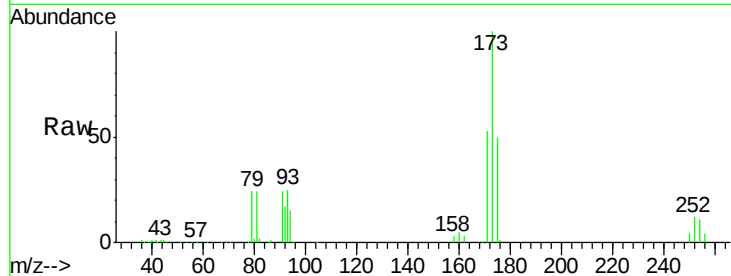
#71
Bromoform
Concen: 65.312 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.6	74.0
254	0.0	0.2	0.2

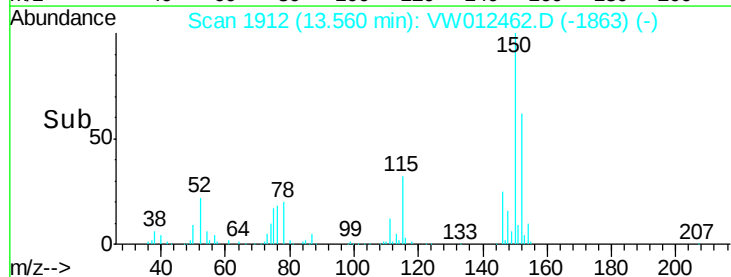
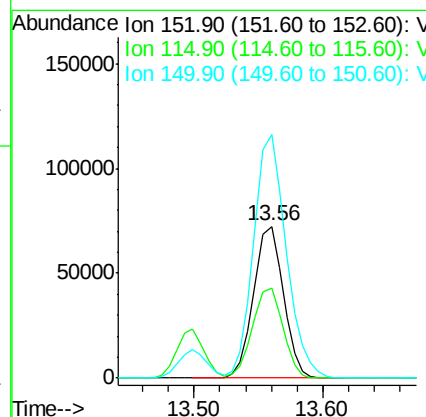
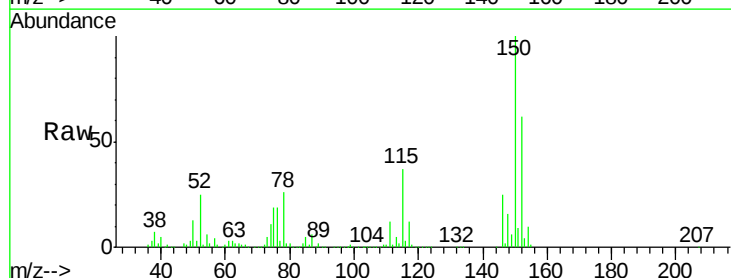
Manual Integrations
APPROVED

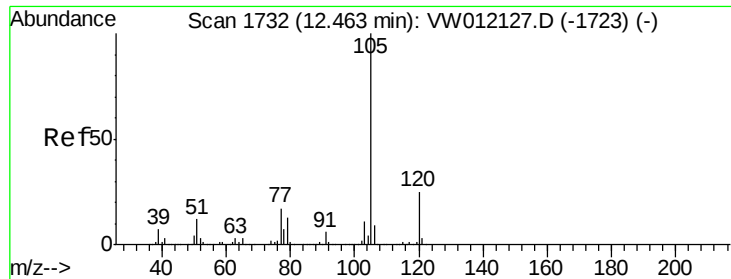
MMDadoda
9/3/2019 10:44:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.3
150	174.9	0.0	345.8





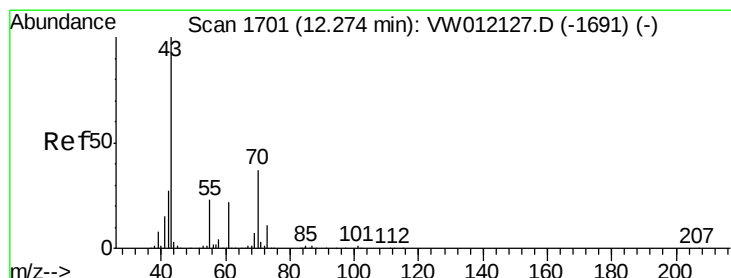
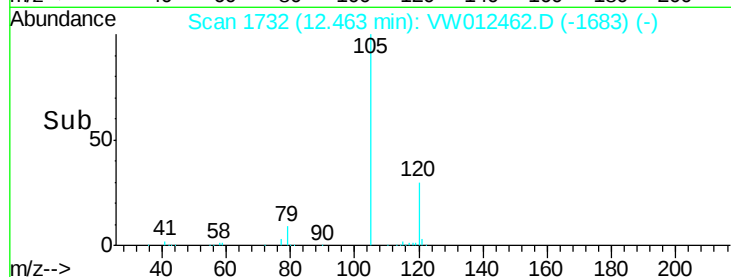
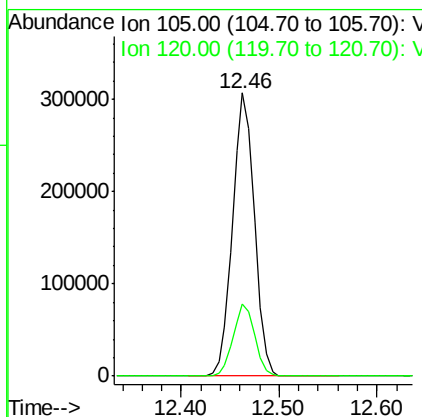
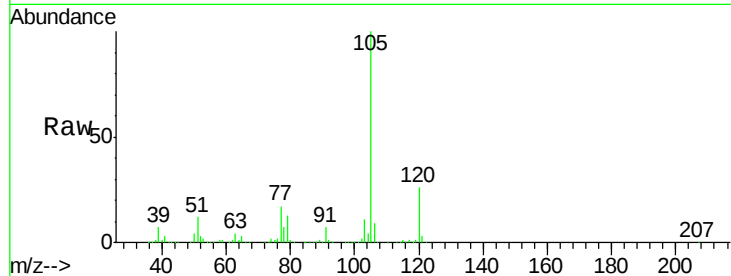
#73
Isopropylbenzene
Concen: 54.651 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.5	37.5

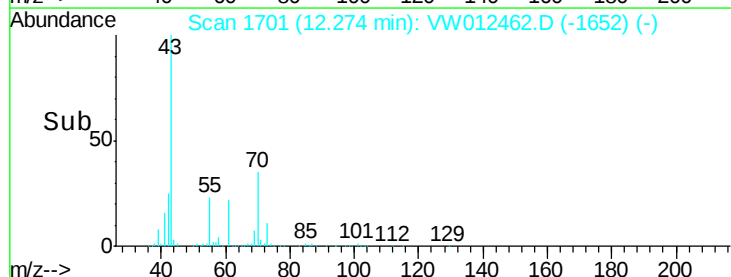
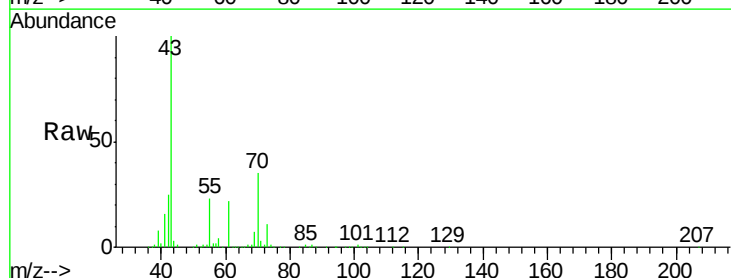
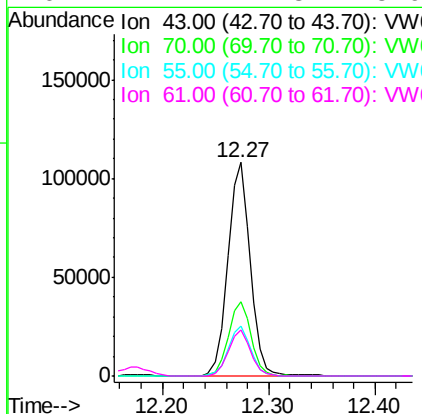
Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#74
N-ethyl acetate
Concen: 60.687 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.3	28.6	43.0
55	23.5	17.8	26.6
61	21.4	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 58.732 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

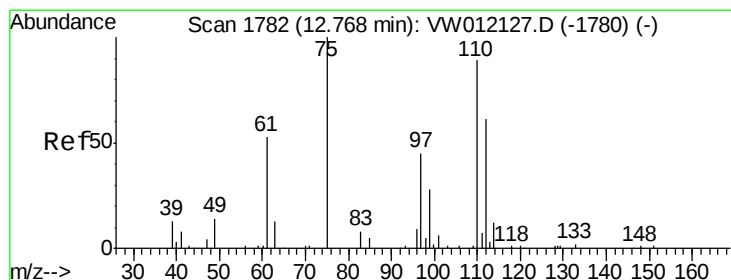
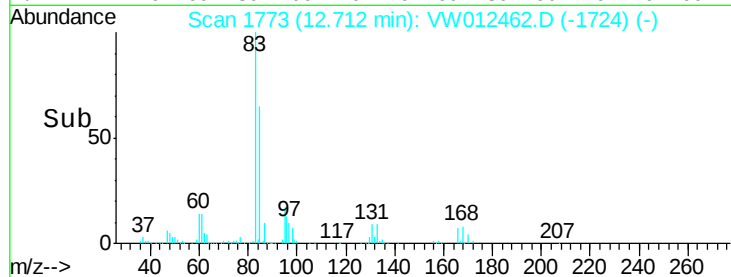
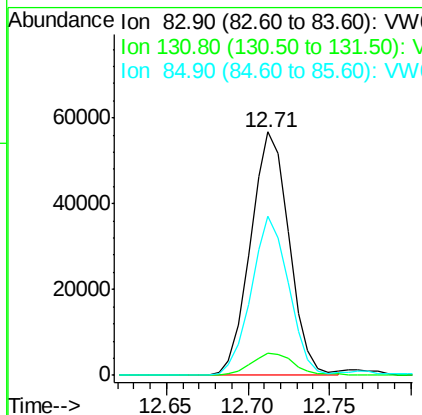
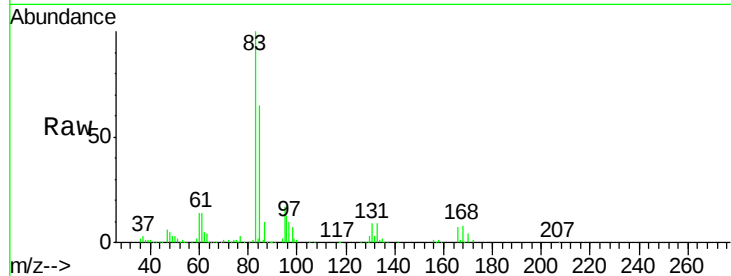
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	93504
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.7
85	63.8	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#76

1,2,3-Trichloropropane

Concen: 71.889 ug/l m

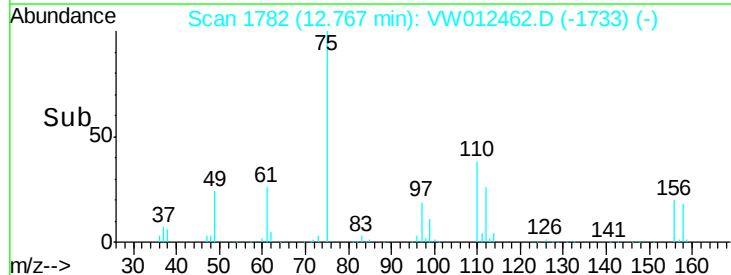
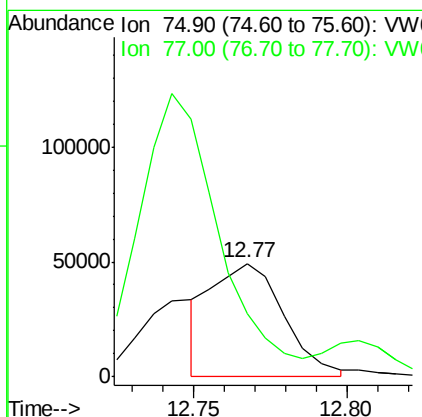
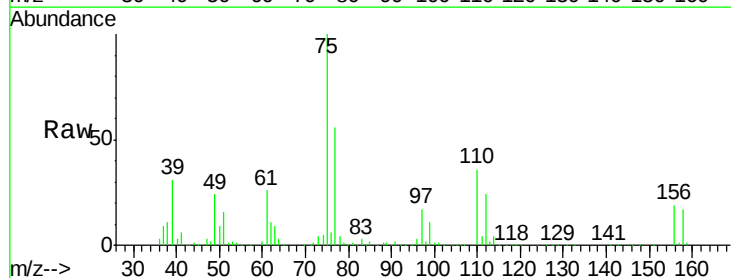
RT: 12.77 min Scan# 1782

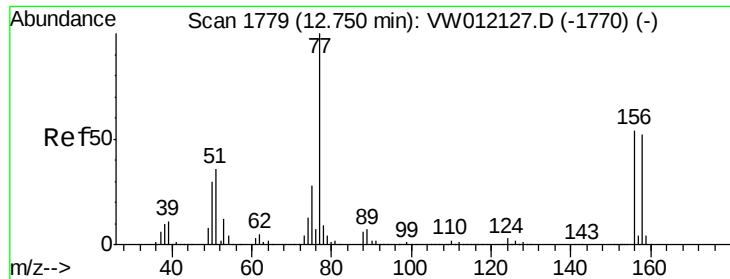
Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion:	75	Resp:	81143
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





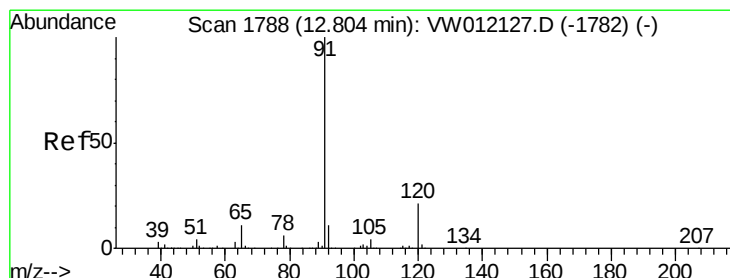
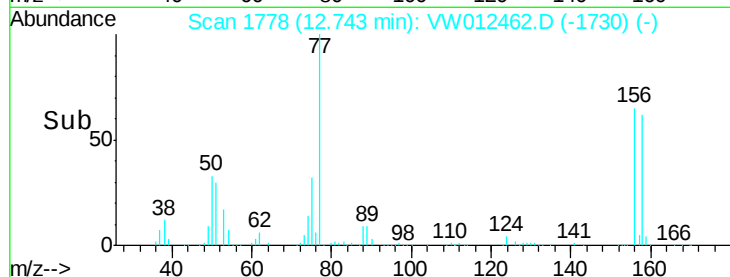
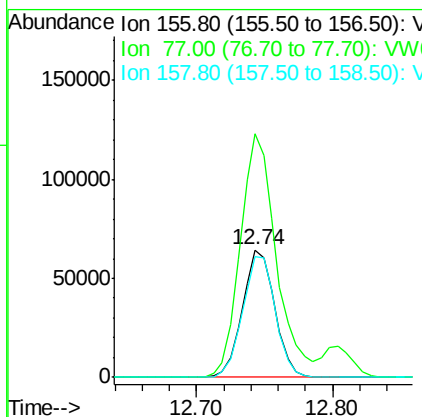
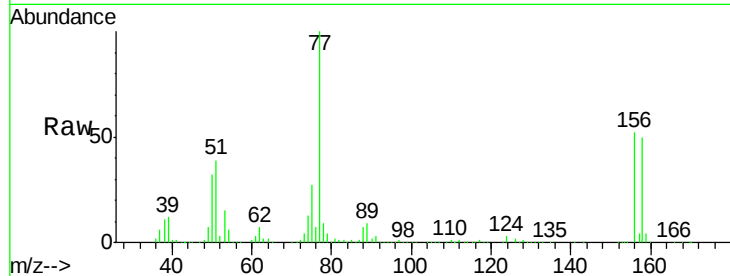
#77
Bromobenzene
Concen: 56.515 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	213.5	107.3	321.8	
158	96.9	49.0	147.0	

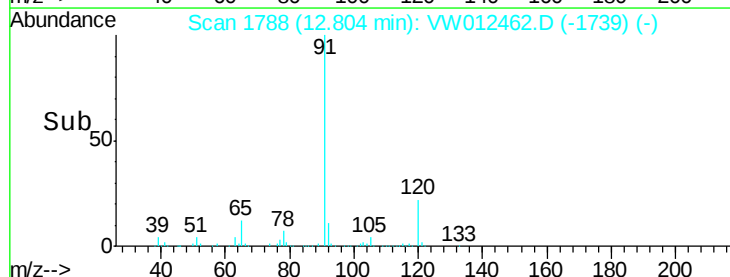
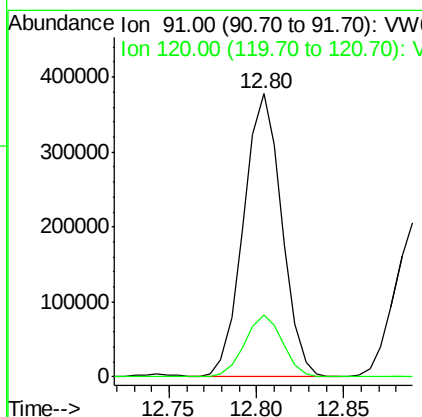
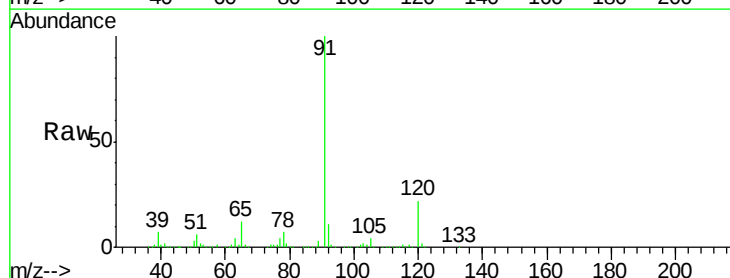
Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#78
n-propylbenzene
Concen: 54.448 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.8	10.5	31.6	





#79

2-Chlorotoluene

Concen: 54.749 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 329533

Ion Ratio Lower Upper

91 100

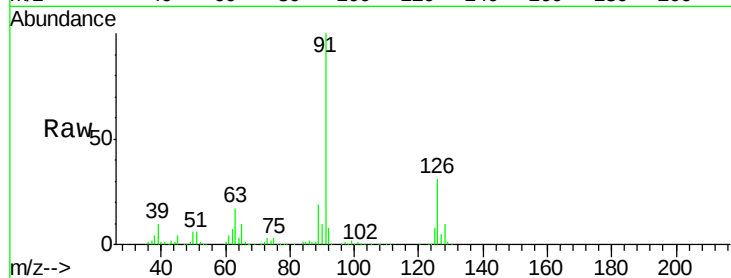
126 31.2 15.7 47.0

Manual Integrations

APPROVED

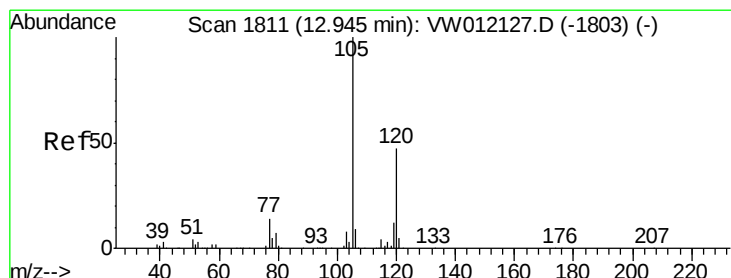
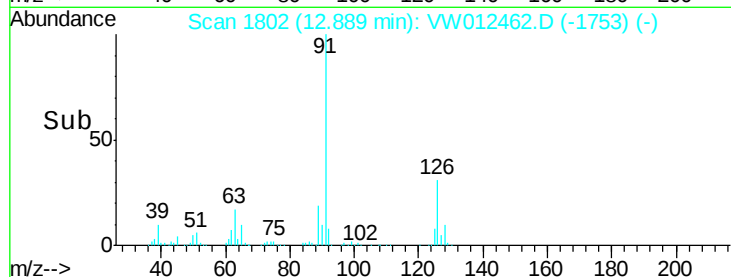
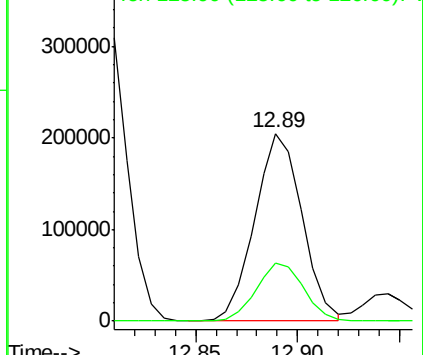
MMDadoda

9/3/2019 10:44:40 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: 55.977 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012462.D

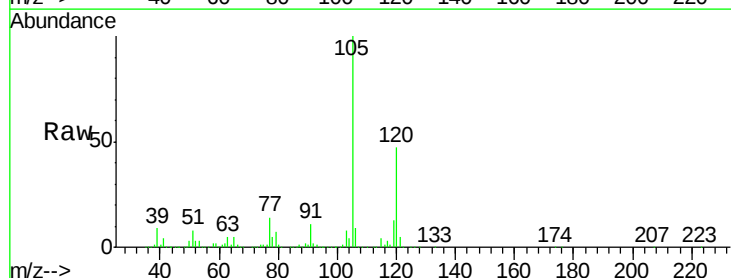
Acq: 01 Sep 2019 21:13

Tgt Ion:105 Resp: 406192

Ion Ratio Lower Upper

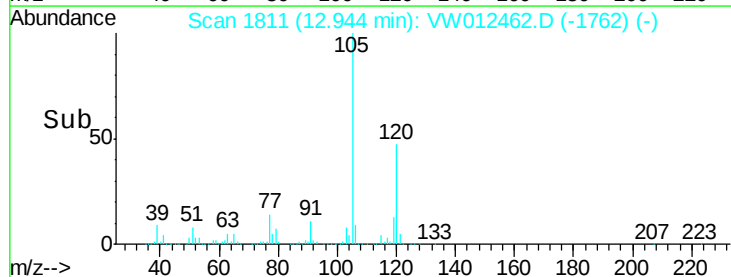
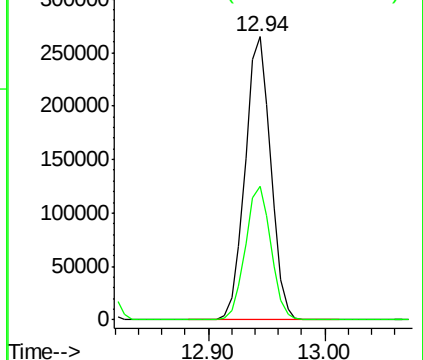
105 100

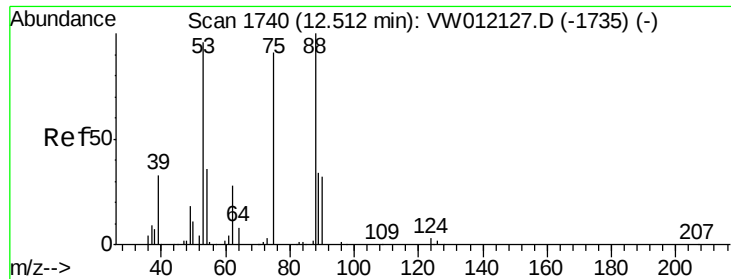
120 47.3 24.0 72.0



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: 58.739 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

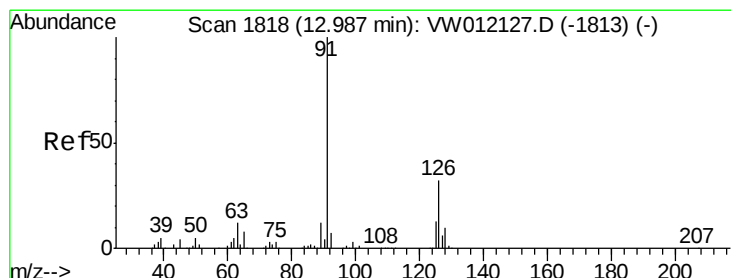
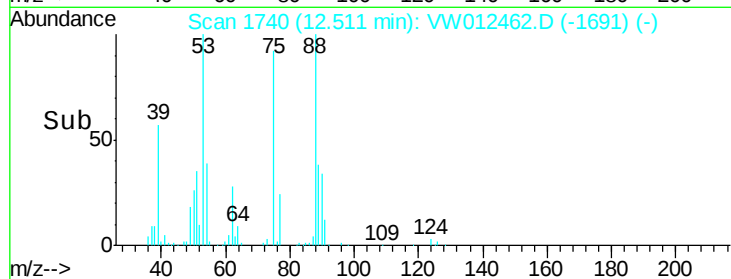
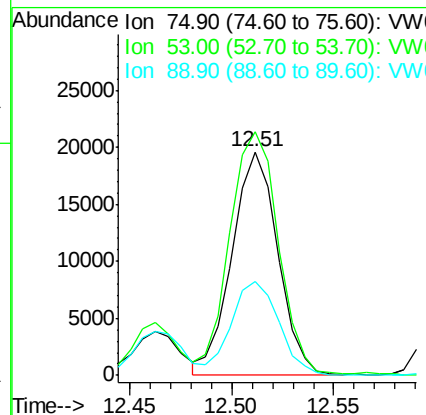
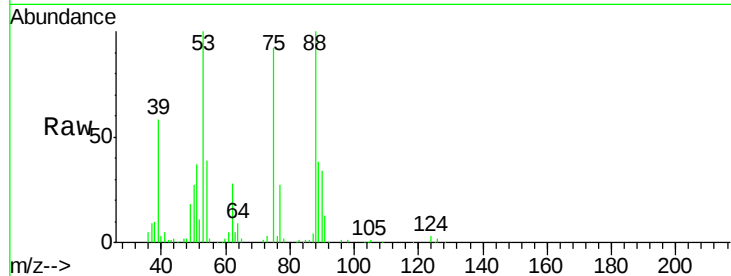
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	30239
Ion	Ratio	Lower	Upper
75	100		
53	115.7	89.4	134.0
89	43.6	34.5	51.7

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#82

4-Chlorotoluene

Concen: 55.268 ug/l

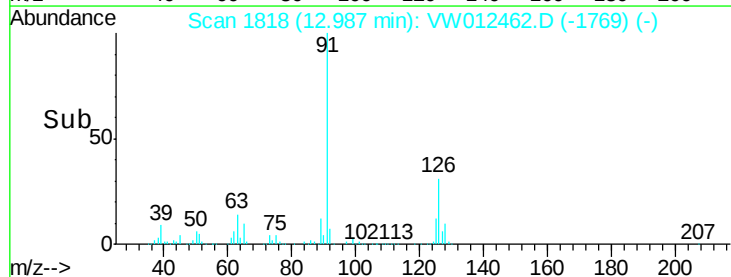
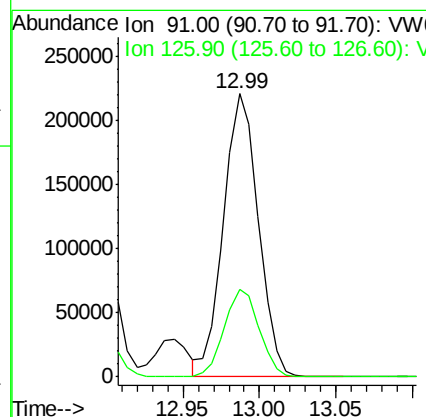
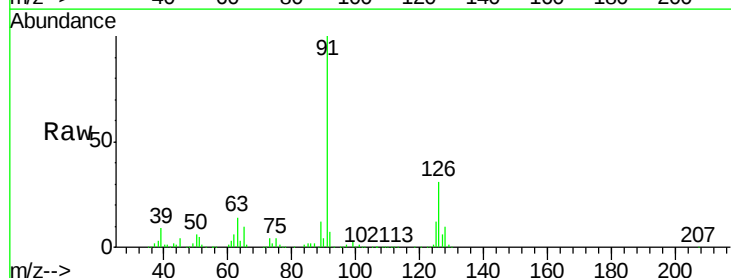
RT: 12.99 min Scan# 1818

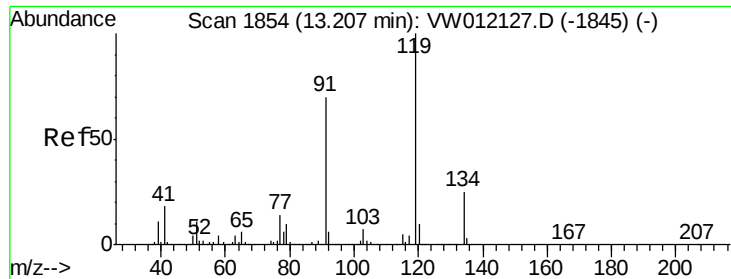
Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion:	91	Resp:	348316
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





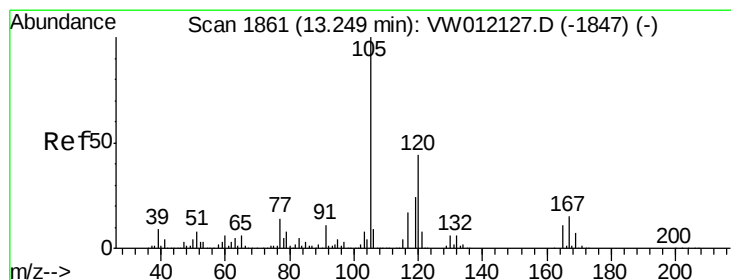
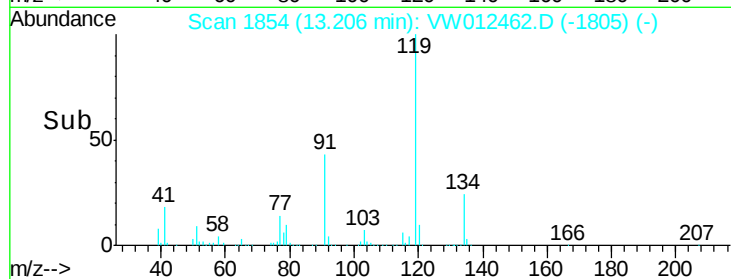
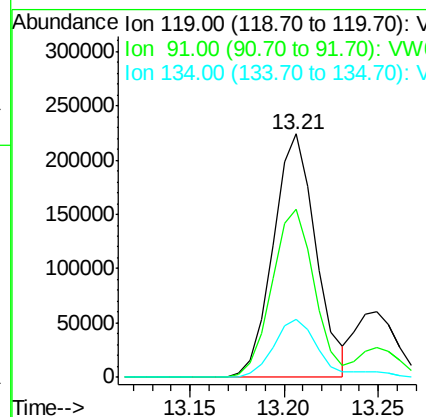
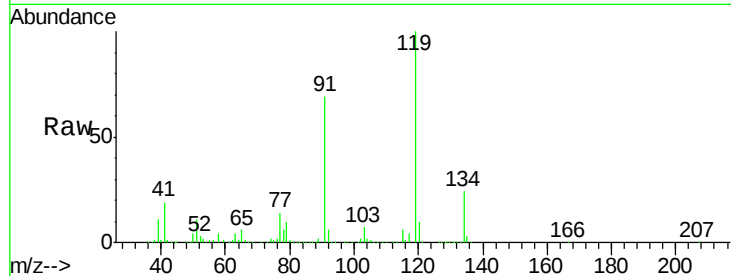
#83
tert-Butylbenzene
Concen: 57.210 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	351660		
91	68.8	34.8	104.3	
134	24.3	13.3	39.8	

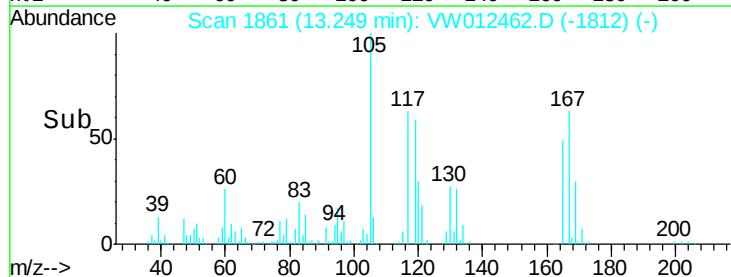
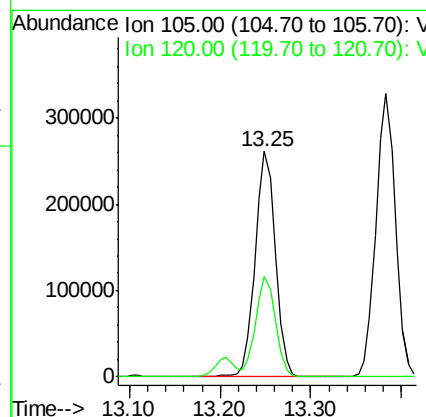
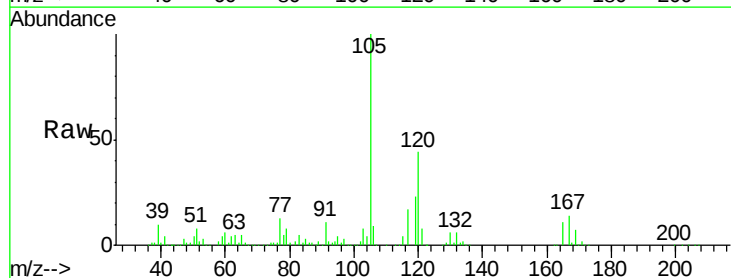
Manual Integrations
APPROVED

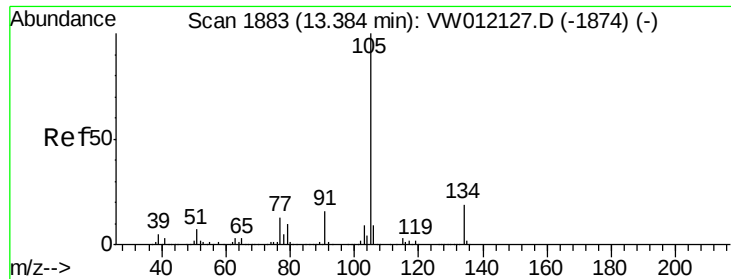
MMDadoda
9/3/2019 10:44:40 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.603 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	405304		
120	43.6	21.9	65.7	





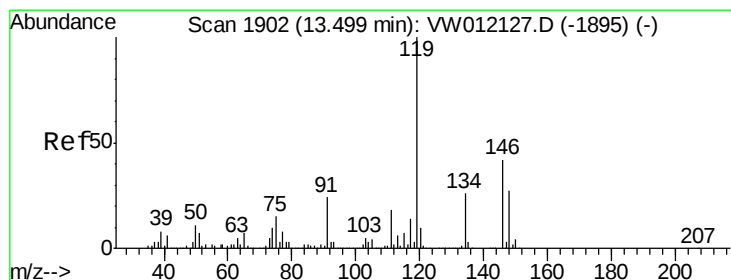
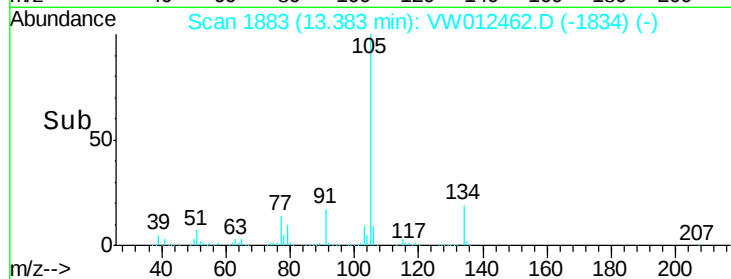
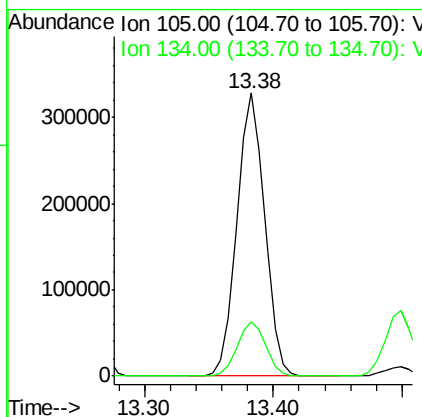
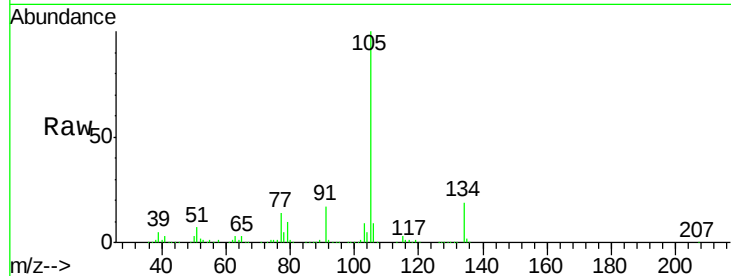
#85
 sec-Butylbenzene
 Concen: 55.617 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	489782		
134	19.6	9.8	29.4	

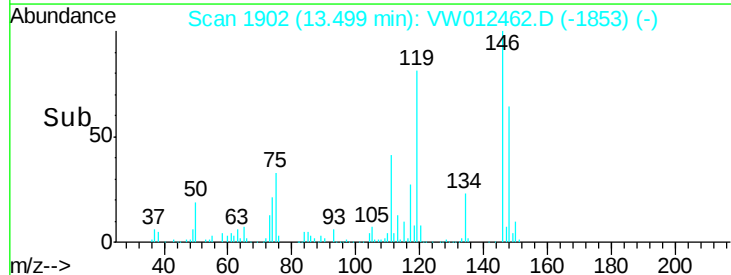
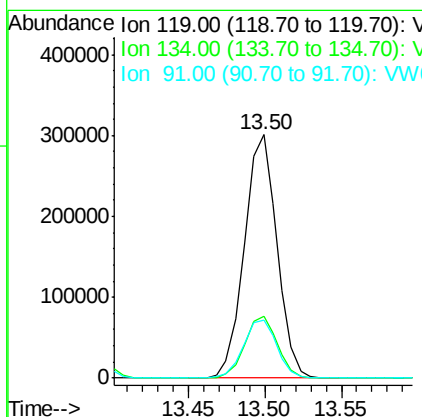
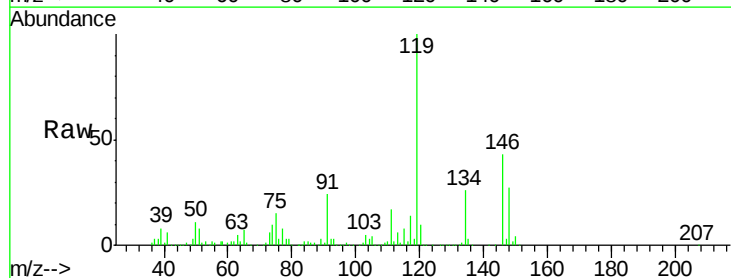
Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:40 AM



#86
 p-Isopropyltoluene
 Concen: 56.456 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	444001		
134	25.5	12.8	38.3	
91	24.6	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 55.309 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

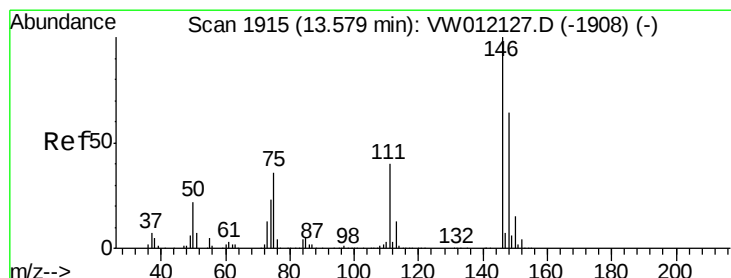
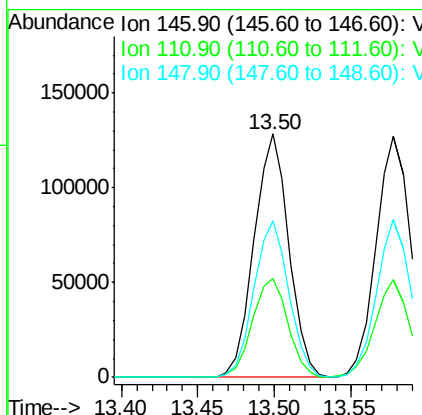
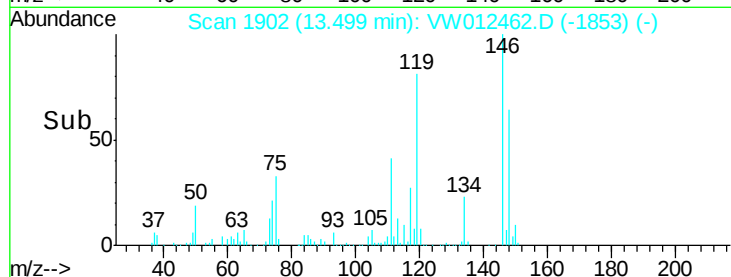
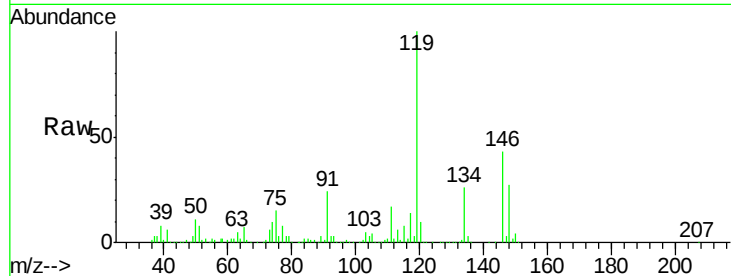
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203242		
111	41.4	20.9	62.7	
148	64.3	32.2	96.6	

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



#88

1,4-Dichlorobenzene

Concen: 55.040 ug/l

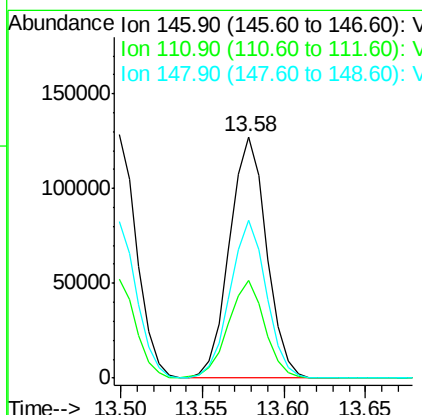
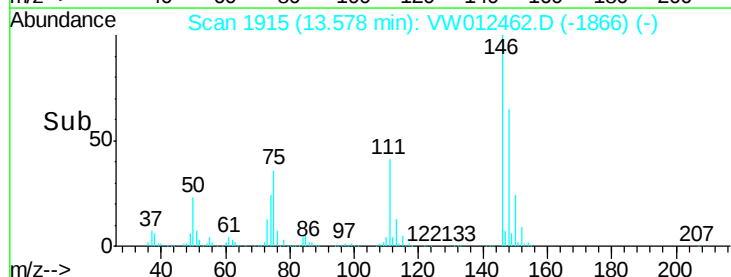
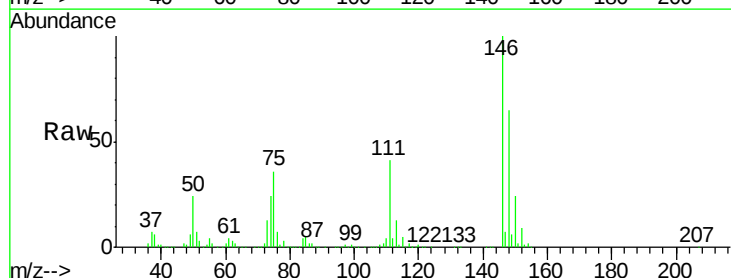
RT: 13.58 min Scan# 1915

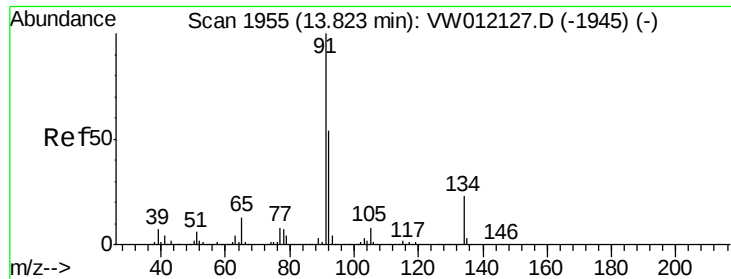
Delta R.T. -0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	200823		
111	40.0	20.0	60.0	
148	64.1	32.1	96.3	





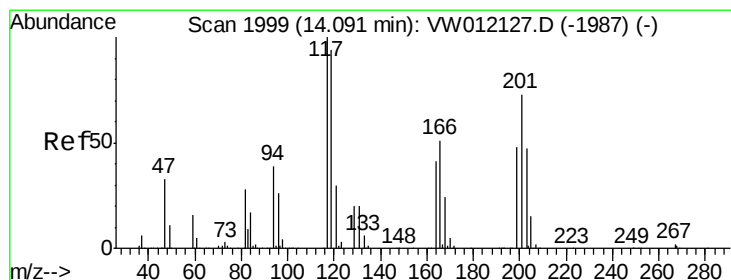
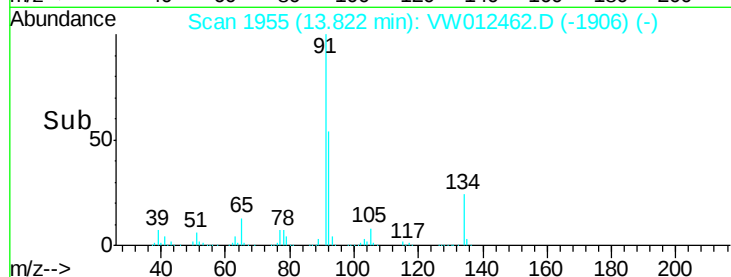
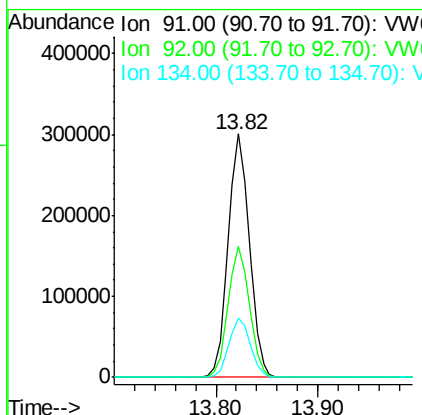
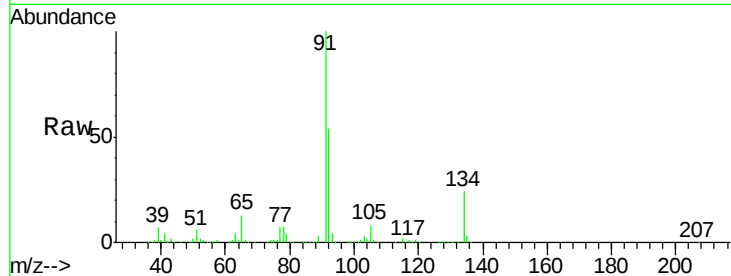
#89
n-Butylbenzene
Concen: 55.260 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.2
134	24.5	12.2	36.4

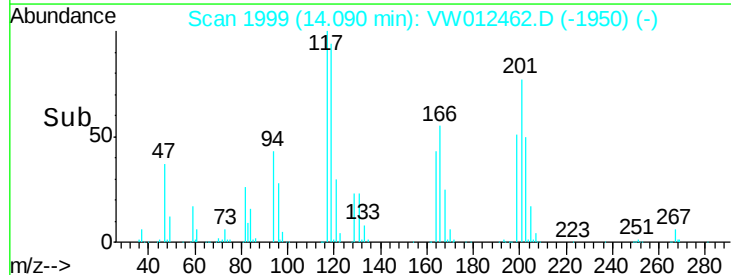
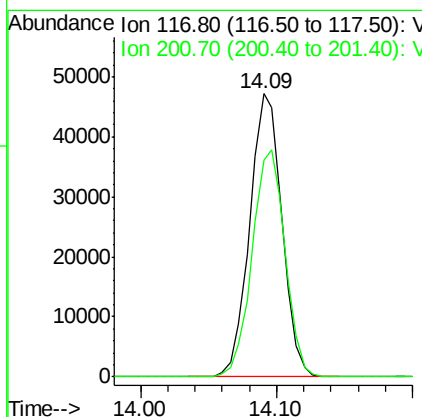
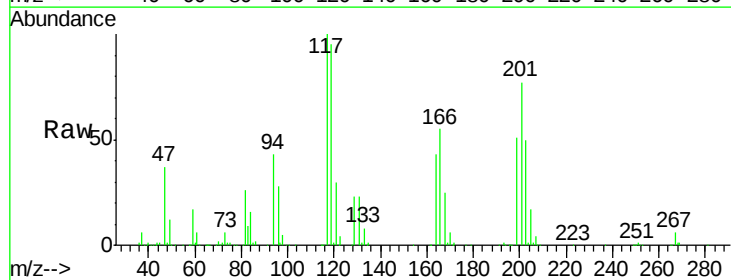
Manual Integrations
APPROVED

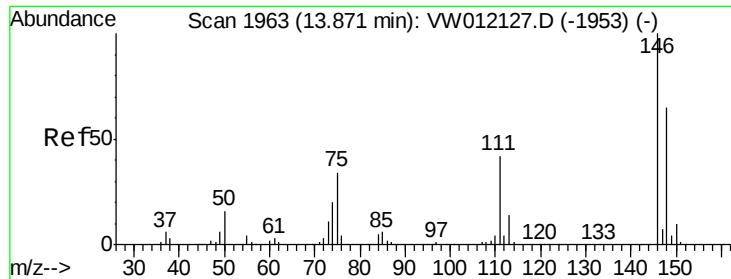
MMDadoda
9/3/2019 10:44:40 AM



#90
Hexachloroethane
Concen: 56.801 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012462.D
Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	38.6	115.7





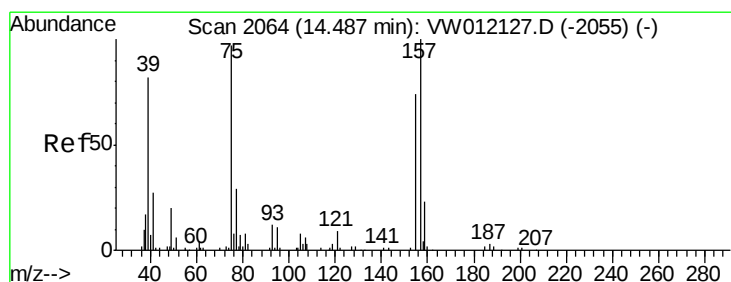
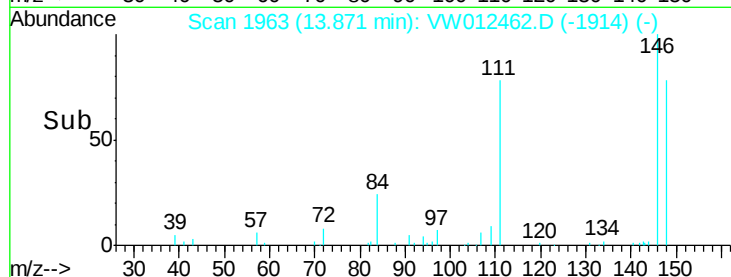
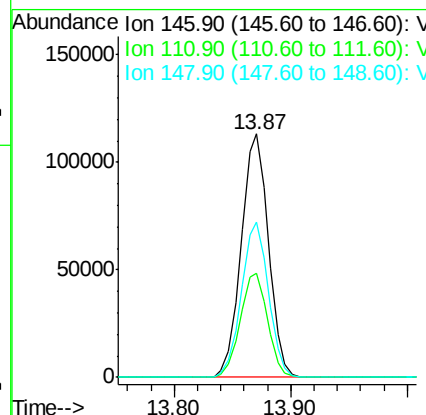
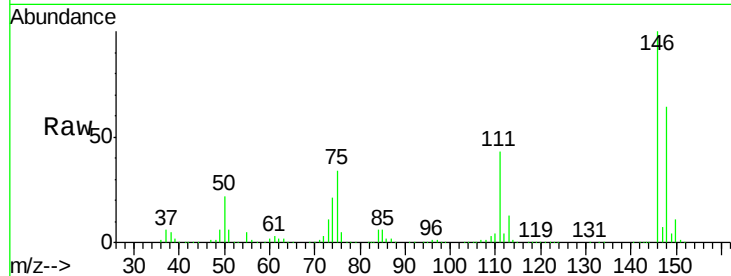
#91
 1,2-Dichlorobenzene
 Concen: 57.175 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.7	32.5	97.4

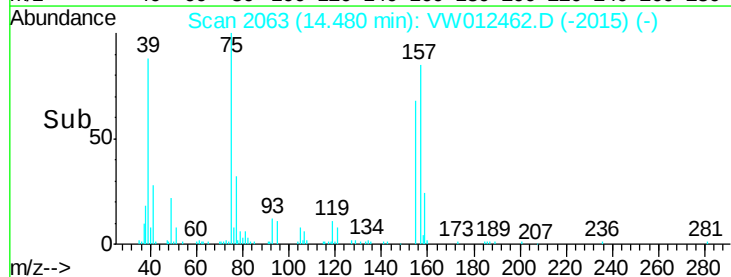
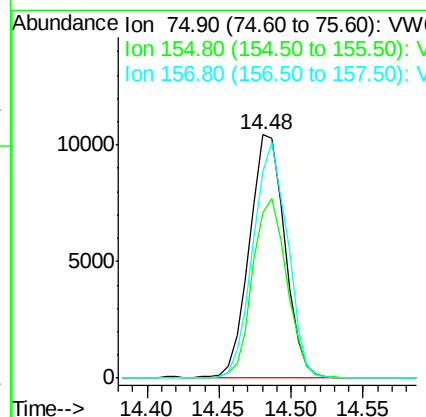
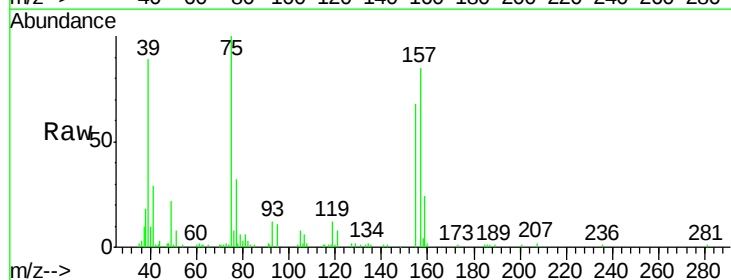
Manual Integrations
 APPROVED

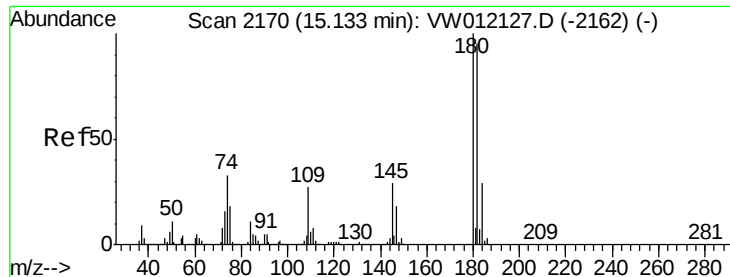
MMDadoda
 9/3/2019 10:44:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.339 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	37.5	112.3
157	93.5	50.5	151.5





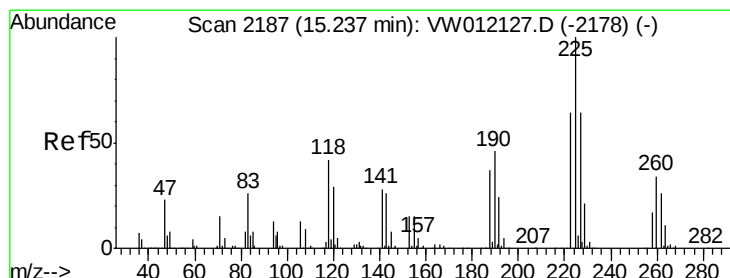
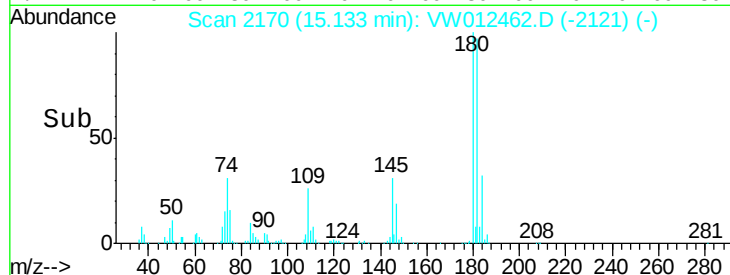
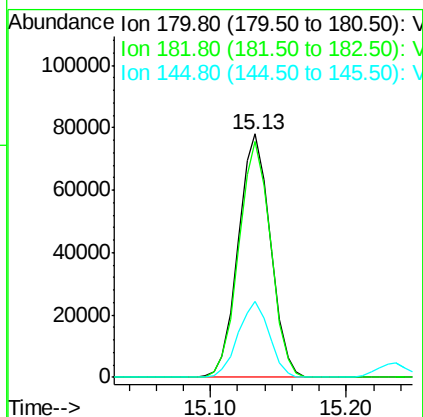
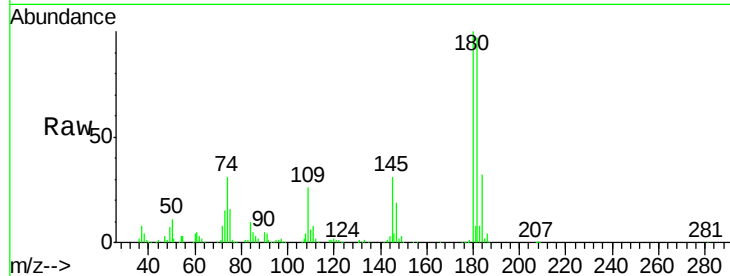
#93
 1,2,4-Trichlorobenzene
 Concen: 57.846 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128866		
182	95.6	47.8	143.4	
145	30.3	15.0	45.1	

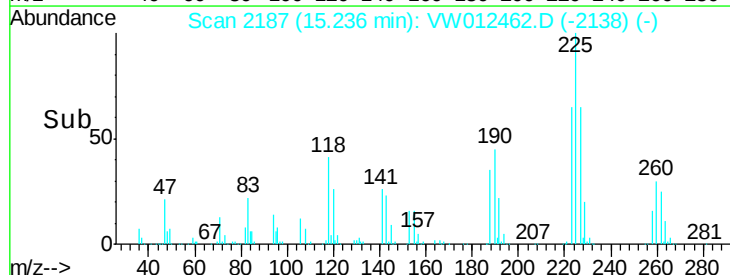
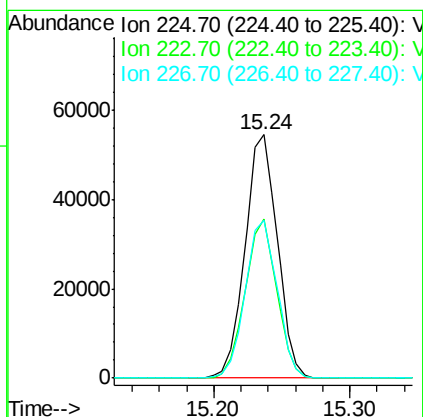
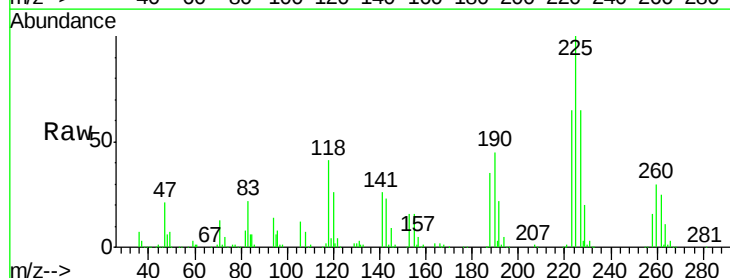
Manual Integrations
 APPROVED

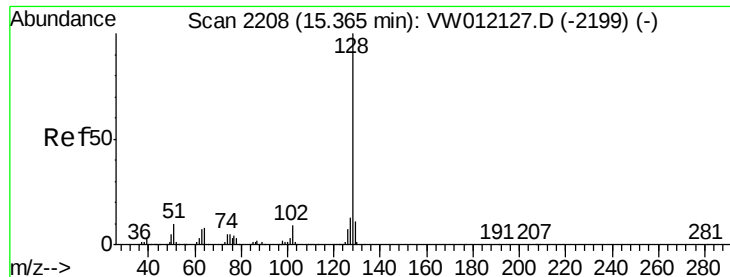
MMDadoda
 9/3/2019 10:44:40 AM



#94
 Hexachlorobutadiene
 Concen: 61.174 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012462.D
 Acq: 01 Sep 2019 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89985		
223	63.8	32.3	96.8	
227	64.1	32.9	98.6	





#95

Naphthalene

Concen: 56.073 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Instrument :

MSVOA_W

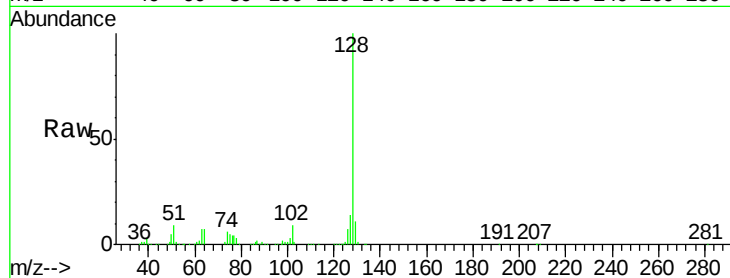
ClientSampleId :

VSTDCCC050EC

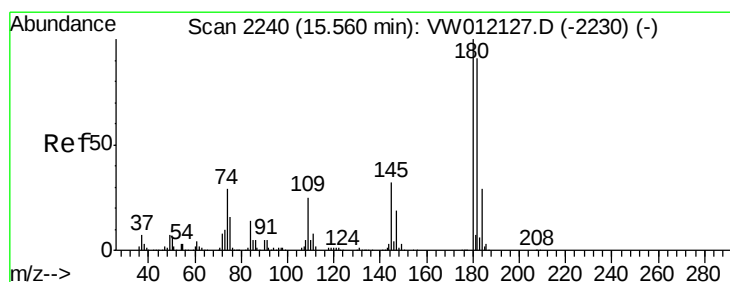
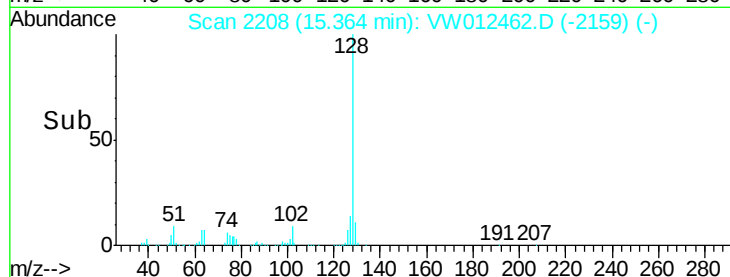
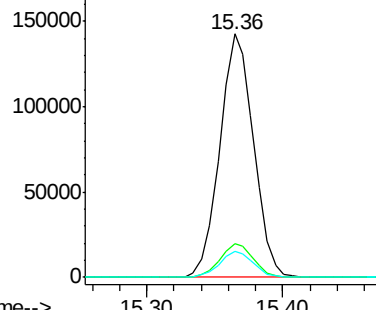
Tot Ion:	128	Resp:	247630
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/3/2019 10:44:40 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 60.214 ug/l

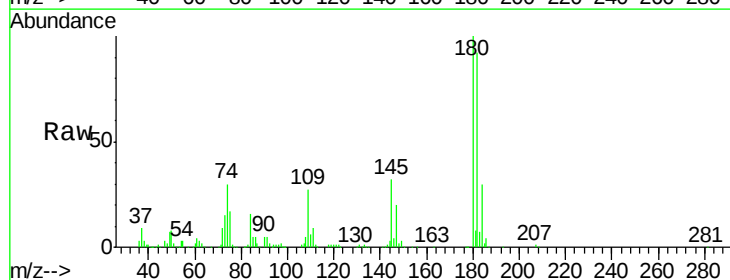
RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012462.D

Acq: 01 Sep 2019 21:13

Tgt Ion:	180	Resp:	117036
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.1	141.3
145	31.5	16.2	48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

