

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012742.D
 Acq On : 08 Sep 2019 01:56
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:03:10 PM

Quant Time: Sep 08 05:56:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	148984	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	145141	59.17	ug/l	0.00
Spiked Amount			Recovery	=	118.34%	
35) Dibromofluoromethane	7.88	113	108254	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
50) Toluene-d8	10.32	98	422947	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	154776	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52939	44.483	ug/l	97
3) Chloromethane	2.21	50	61821	42.743	ug/l	96
4) Vinyl Chloride	2.35	62	76539	43.160	ug/l	99
5) Bromomethane	2.78	94	47554	49.382	ug/l	98
6) Chloroethane	2.92	64	48591	45.917	ug/l	94
7) Trichlorofluoromethane	3.25	101	49405	40.371	ug/l	95
8) Diethyl Ether	3.68	74	49596	48.220	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	84221	43.855	ug/l	98
10) Methyl Iodide	4.27	142	116442	48.164	ug/l	98
11) Tert butyl alcohol	5.21	59	52694	280.785	ug/l	97
12) 1,1-Dichloroethene	4.04	96	80319	44.304	ug/l	98
13) Acrolein	3.89	56	34489	173.182	ug/l	100
14) Allyl chloride	4.67	41	178975	47.724	ug/l	99
15) Acrylonitrile	5.37	53	166722	277.525	ug/l	99
16) Acetone	4.14	43	134499m	201.139	ug/l	
17) Carbon Disulfide	4.38	76	169280	43.990	ug/l	100
18) Methyl Acetate	4.67	43	88019	56.104	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	211142	58.726	ug/l	99
20) Methylene Chloride	4.92	84	106428	50.874	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	97906	52.928	ug/l	96
22) Diisopropyl ether	6.31	45	424162	57.026	ug/l	97
23) Vinyl Acetate	6.25	43	1321585	280.364	ug/l	100
24) 1,1-Dichloroethane	6.21	63	221468	55.299	ug/l	99
25) 2-Butanone	7.17	43	226039	231.186	ug/l	99
26) 2,2-Dichloropropane	7.16	77	116908	46.218	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	118538	55.267	ug/l	98
28) Bromochloromethane	7.51	49	108634	59.074	ug/l #	98
29) Tetrahydrofuran	7.53	42	146601	271.487	ug/l	98
30) Chloroform	7.67	83	224732	56.620	ug/l	98
31) Cyclohexane	7.95	56	162810	45.156	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	173510	53.929	ug/l	100
36) 1,1-Dichloropropene	8.08	75	152860	50.819	ug/l	99
37) Ethyl Acetate	7.25	43	98798	51.525	ug/l	99
38) Carbon Tetrachloride	8.07	117	154841	52.222	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	158314	46.862	ug/l	98
40) Benzene	8.32	78	445820	53.420	ug/l	98
41) Methacrylonitrile	7.48	41	63102	48.534	ug/l	98
42) 1,2-Dichloroethane	8.40	62	165687	56.412	ug/l	100
43) Isopropyl Acetate	8.42	43	204044	56.168	ug/l	99
44) Trichloroethene	9.09	130	110571	51.399	ug/l	98
45) 1,2-Dichloropropane	9.37	63	124384	53.738	ug/l	99
46) Dibromomethane	9.46	93	61845	56.424	ug/l	98
47) Bromodichloromethane	9.64	83	169977	56.367	ug/l	100
48) Methyl methacrylate	9.43	41	96091	55.350	ug/l	97
49) 1,4-Dioxane	9.46	88	23330	1077.564	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	555351	291.337	ug/l	100
52) Toluene	10.38	92	280438	53.840	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	172190	55.531	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	189529	53.880	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	90767	55.314	ug/l	98
56) Ethyl methacrylate	10.65	69	139119	57.917	ug/l	98
57) 1,3-Dichloropropane	10.93	76	166071	54.705	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	350587	274.928	ug/l	99
59) 2-Hexanone	10.96	43	376336	270.231	ug/l	99
60) Dibromochloromethane	11.13	129	107985	55.954	ug/l	100
61) 1,2-Dibromoethane	11.23	107	84031	55.856	ug/l	98
64) Tetrachloroethene	10.86	164	100382	53.957	ug/l	97
65) Chlorobenzene	11.66	112	301883	52.095	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	119243	55.255	ug/l	100
67) Ethyl Benzene	11.73	91	561167	51.613	ug/l	100
68) m/p-Xylenes	11.83	106	404810	103.149	ug/l	99
69) o-Xylene	12.16	106	199067	53.766	ug/l	98
70) Styrene	12.18	104	355398	54.321	ug/l	99
71) Bromoform	12.35	173	66428	55.404	ug/l #	99
73) Isopropylbenzene	12.46	105	547097	51.200	ug/l	99
74) N-amyl acetate	12.27	43	168843	49.780	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	118064	55.017	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	79691m	52.310	ug/l	
77) Bromobenzene	12.74	156	131779	54.434	ug/l	99
78) n-propylbenzene	12.80	91	668119	52.279	ug/l	100
79) 2-Chlorotoluene	12.89	91	388971	53.018	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	484264	53.783	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35831	49.746	ug/l	94
82) 4-Chlorotoluene	12.99	91	415346	53.521	ug/l	100
83) tert-Butylbenzene	13.21	119	399715	50.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	479421	52.842	ug/l	99
85) sec-Butylbenzene	13.38	105	564808	51.125	ug/l	100
86) p-Isopropyltoluene	13.50	119	515291	51.064	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	253352	53.243	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	247230	52.214	ug/l	100
89) n-Butylbenzene	13.82	91	496557	50.686	ug/l	99
90) Hexachloroethane	14.09	117	95322	54.110	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	232896	54.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22317	56.827	ug/l	97

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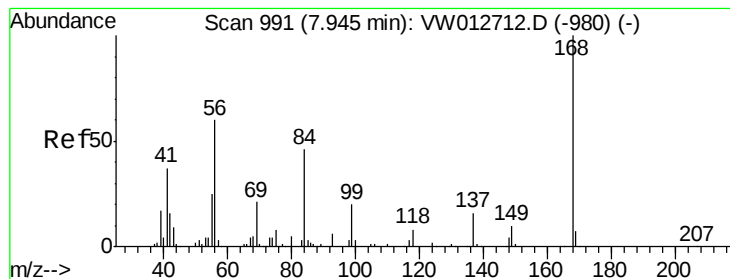
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	168295	56.440	ug/l	99
94) Hexachlorobutadiene	15.24	225	105493	51.113	ug/l	99
95) Naphthalene	15.36	128	332049	52.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	152464	57.926	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 219525

Ion Ratio Lower Upper

168 100

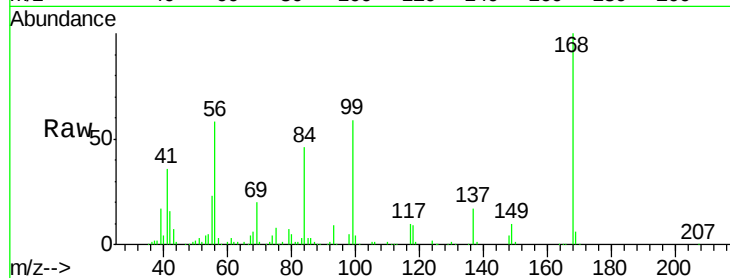
99 59.4 47.8 71.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

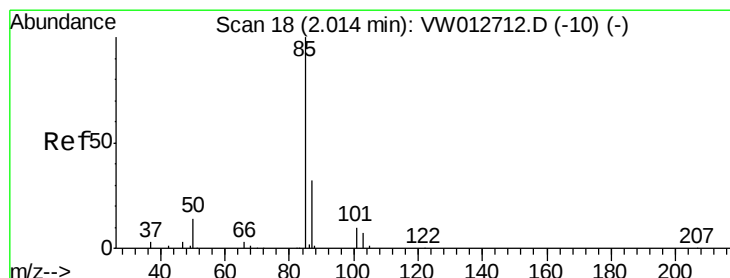
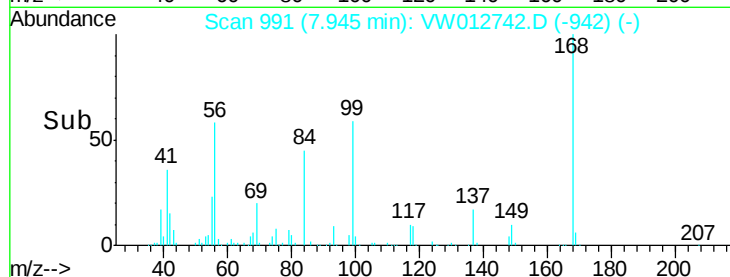
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 44.483 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012742.D

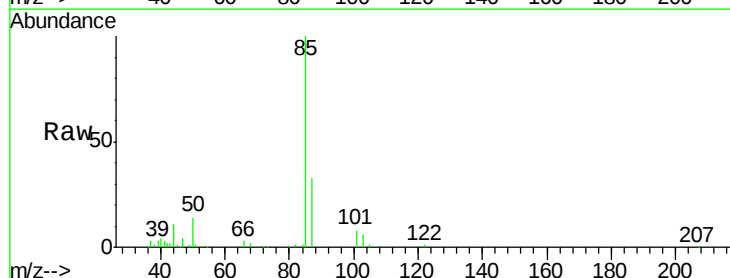
Acq: 08 Sep 2019 01:56

Tgt Ion: 85 Resp: 52939

Ion Ratio Lower Upper

85 100

87 33.4 15.8 47.4



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

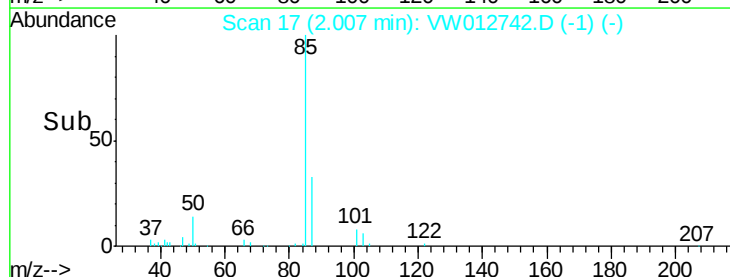
0

1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 42.743 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 61821

Ion Ratio Lower Upper

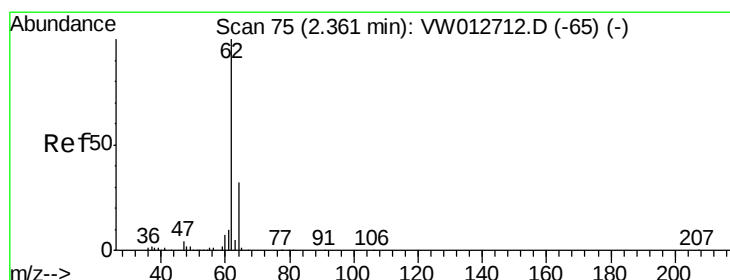
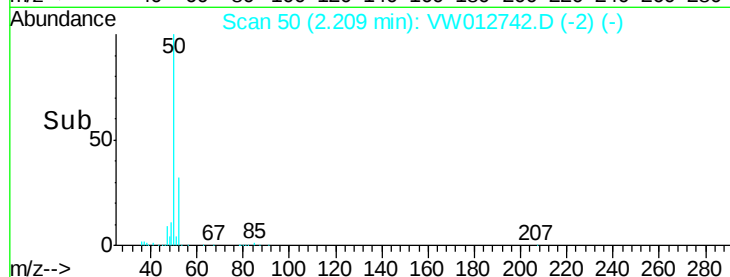
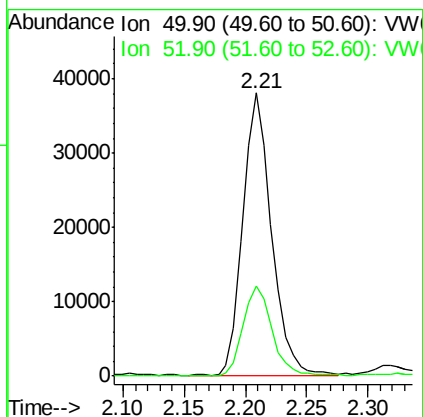
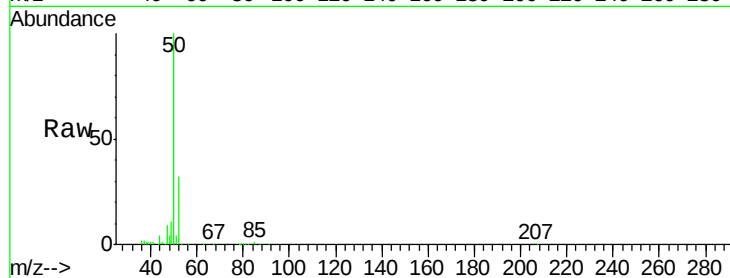
50 100

52 32.1 24.2 36.2

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#4

Vinyl Chloride

Concen: 43.160 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012742.D

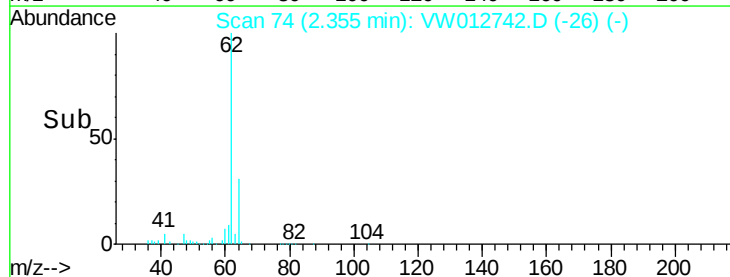
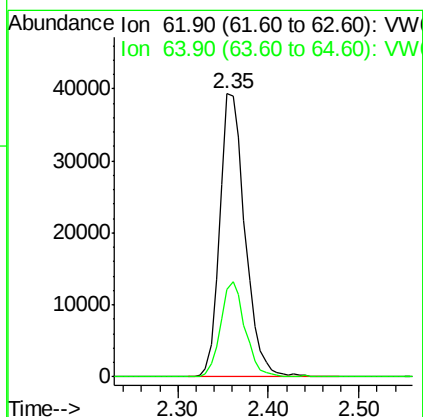
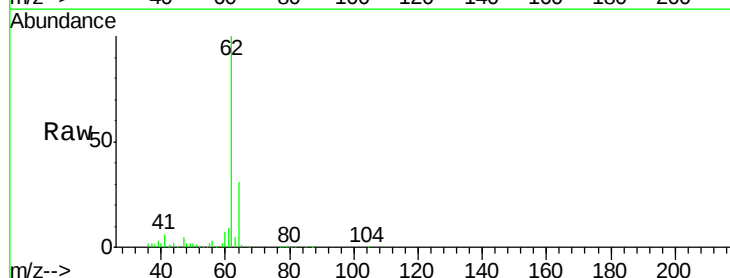
Acq: 08 Sep 2019 01:56

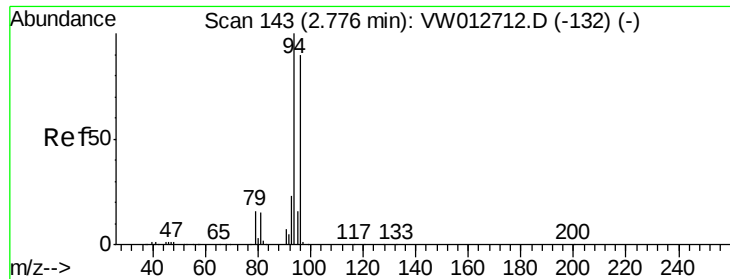
Tgt Ion: 62 Resp: 76539

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 49.382 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 47554

Ion Ratio Lower Upper

94 100

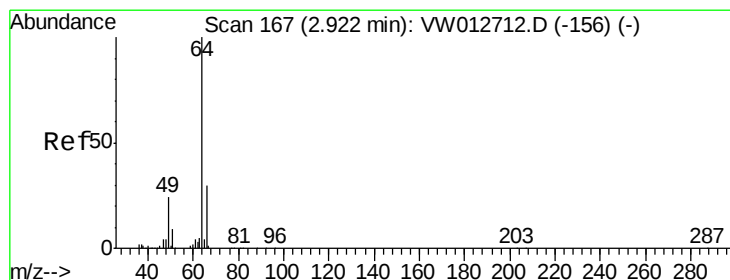
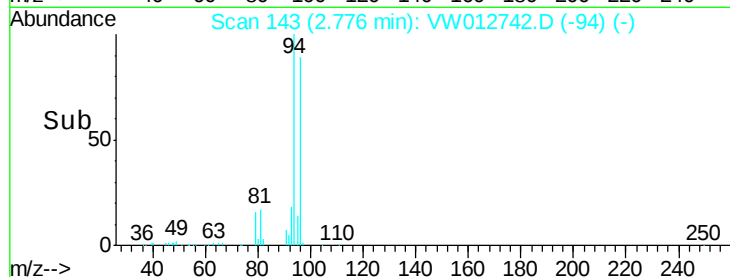
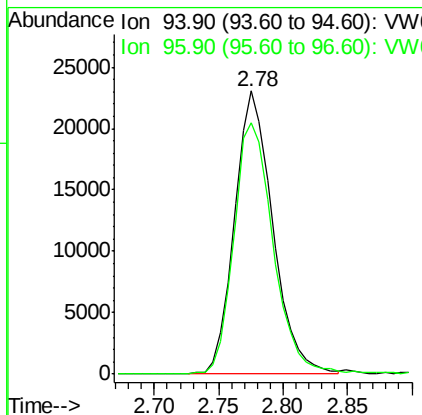
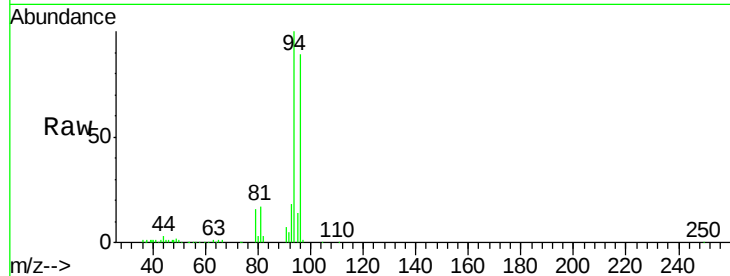
96 88.7 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 45.917 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012742.D

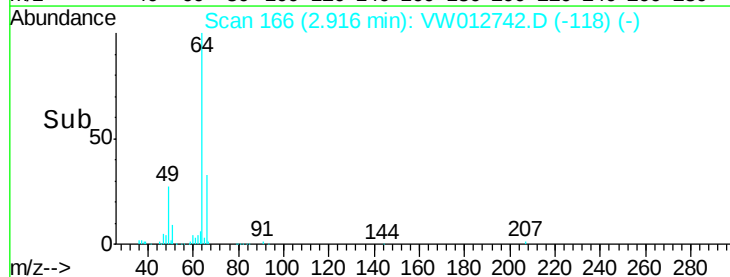
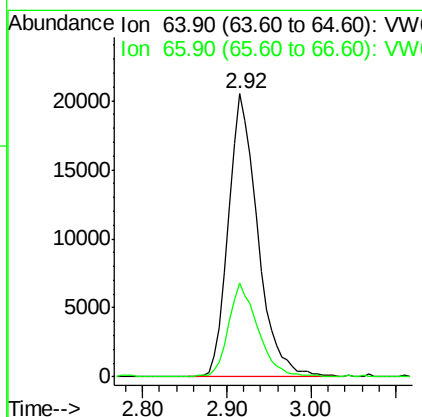
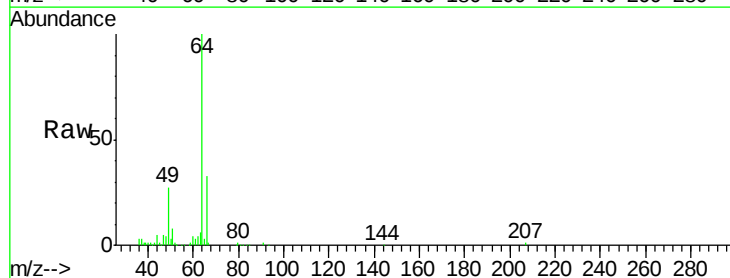
Acq: 08 Sep 2019 01:56

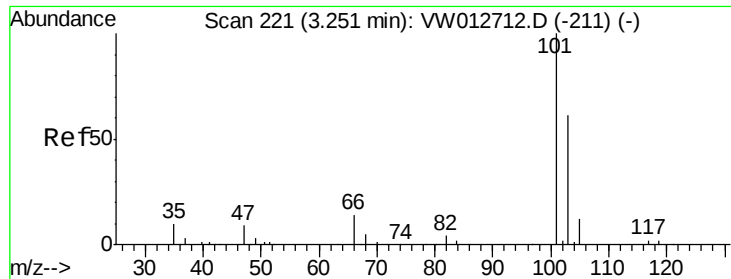
Tgt Ion: 64 Resp: 48591

Ion Ratio Lower Upper

64 100

66 33.2 23.8 35.6





#7

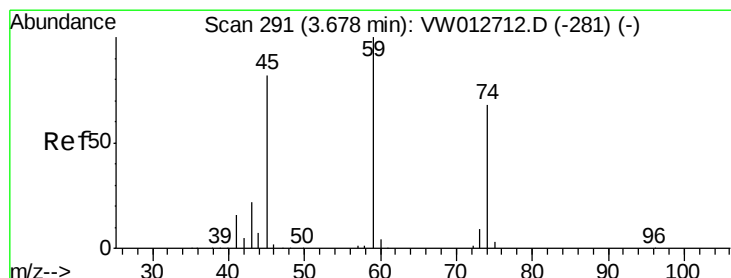
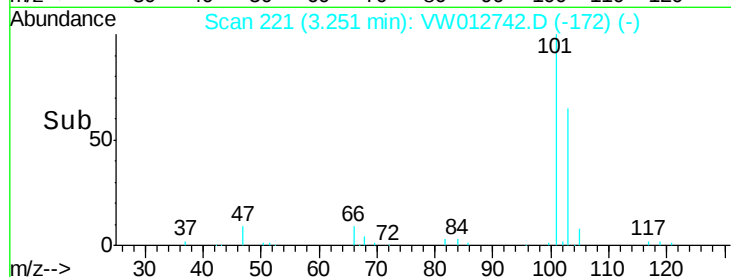
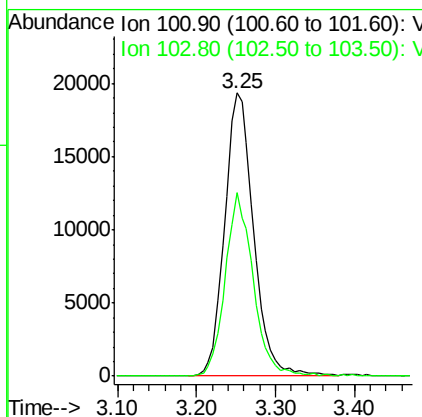
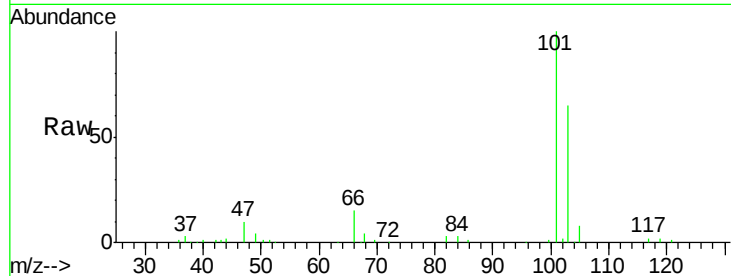
Trichlorofluoromethane
 Concen: 40.371 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW012742.D
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	49.0	73.4

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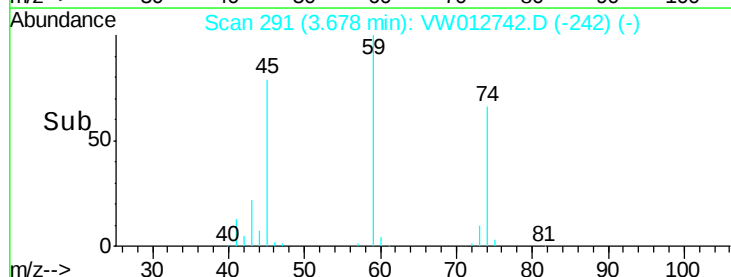
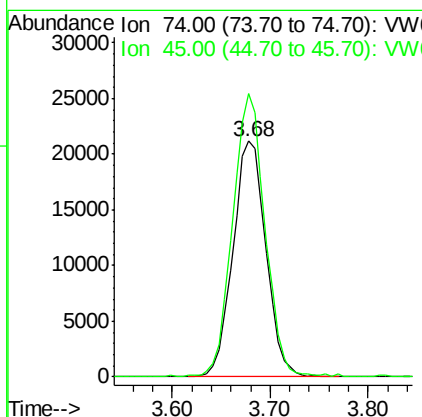
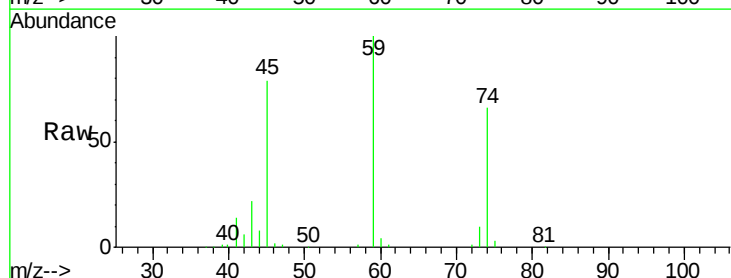
MMDadoda
 9/10/2019 1:03:10 PM

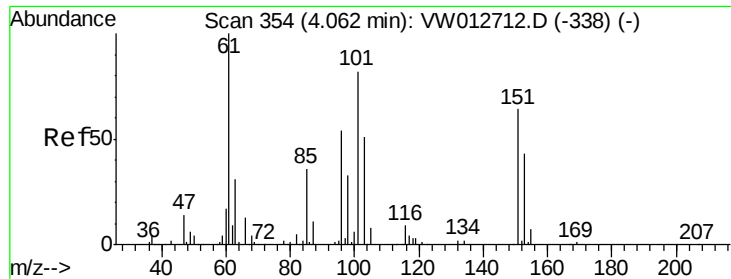


#8

Diethyl Ether
 Concen: 48.220 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.6	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.855 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

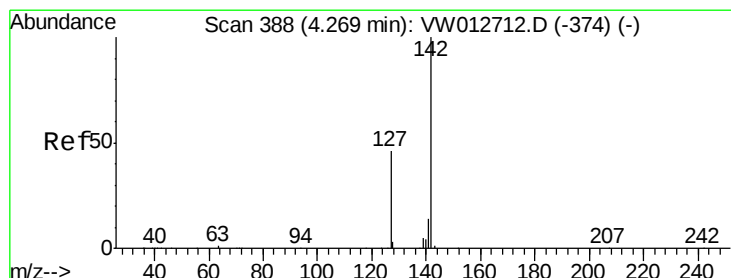
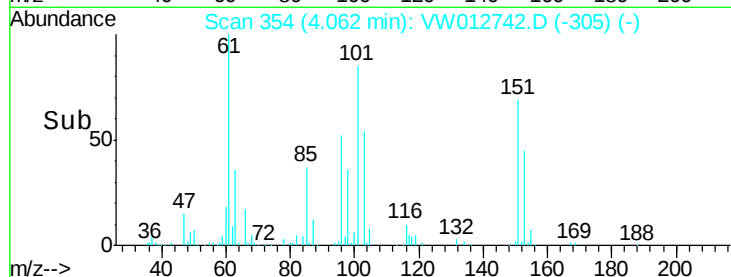
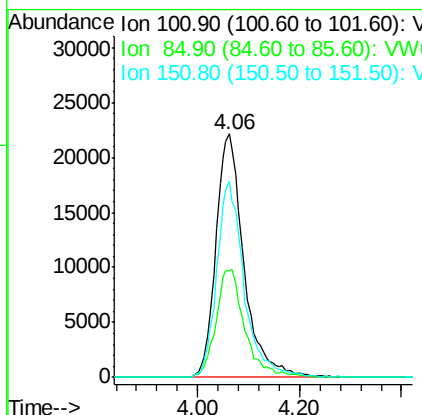
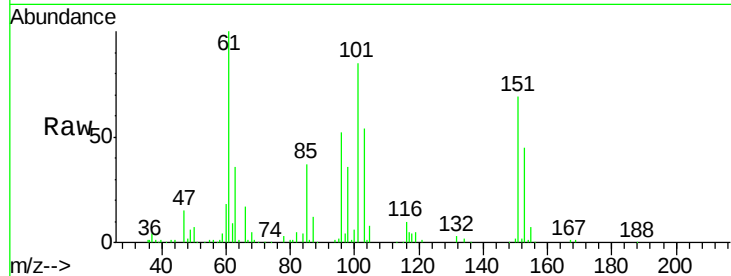
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	84221
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.2	54.2
151	79.1	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.164 ug/l

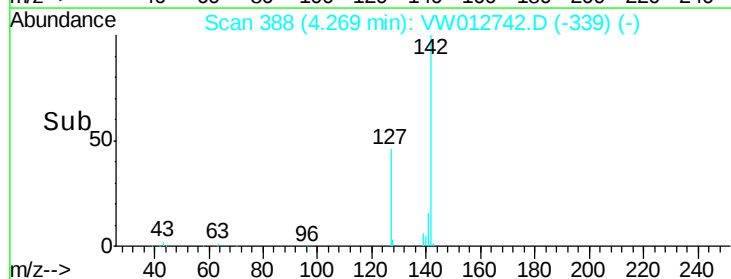
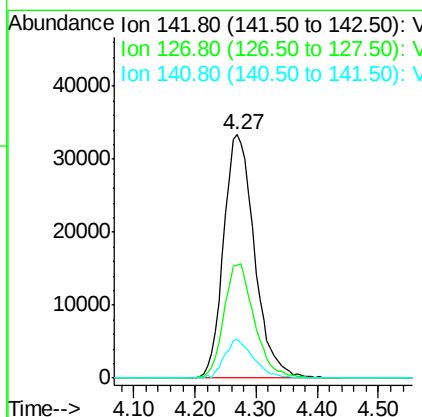
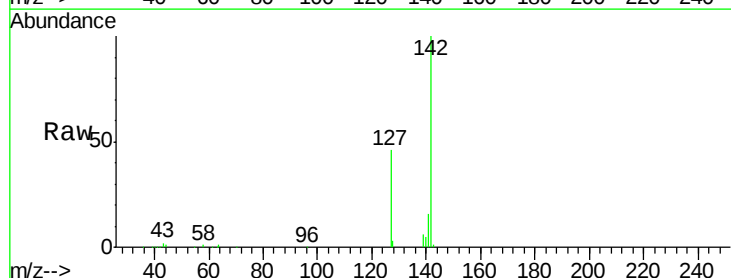
RT: 4.27 min Scan# 388

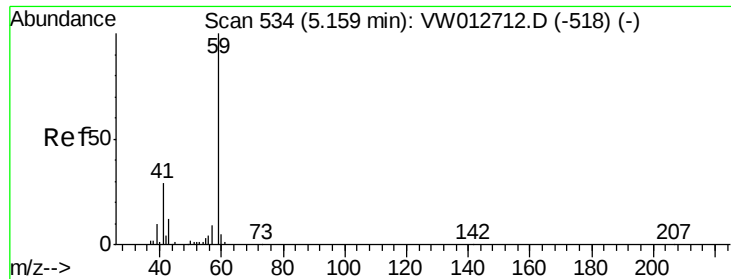
Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Tgt Ion:	142	Resp:	116442
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.0	54.0
141	14.9	12.2	18.4





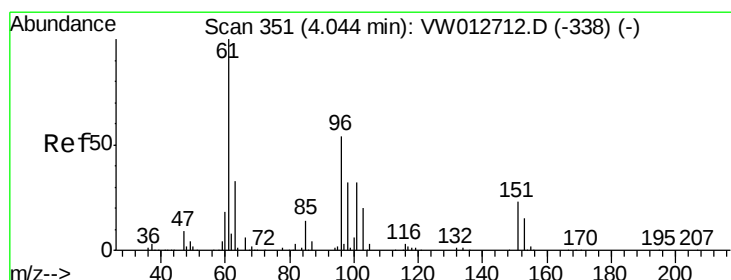
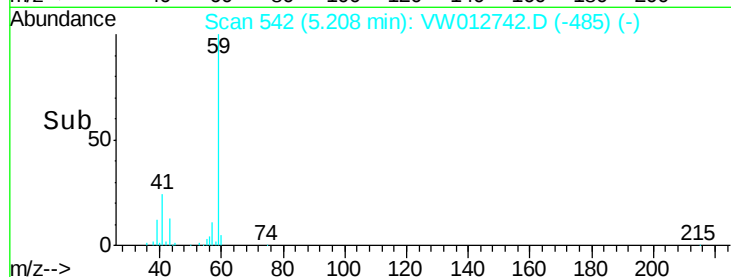
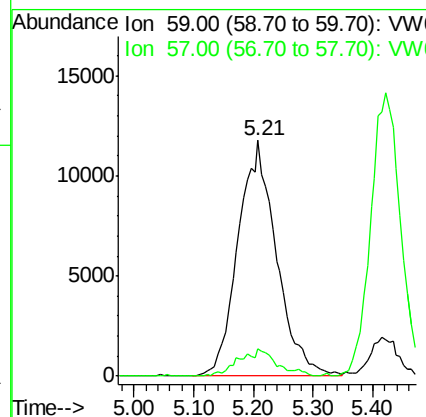
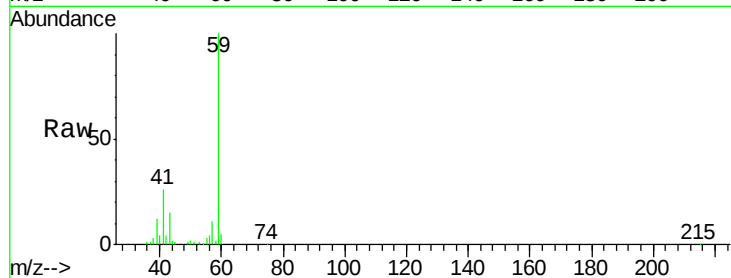
#11
Tert butyl alcohol
Concen: 280.785 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.05 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.4

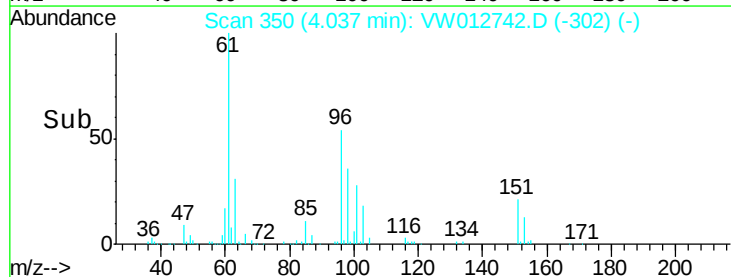
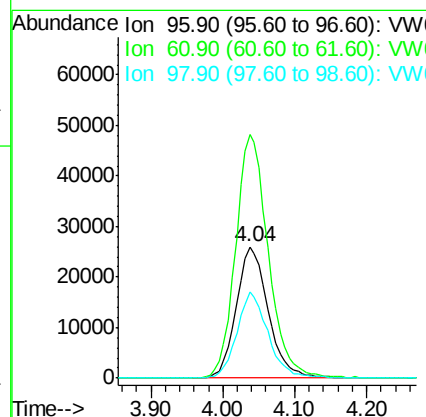
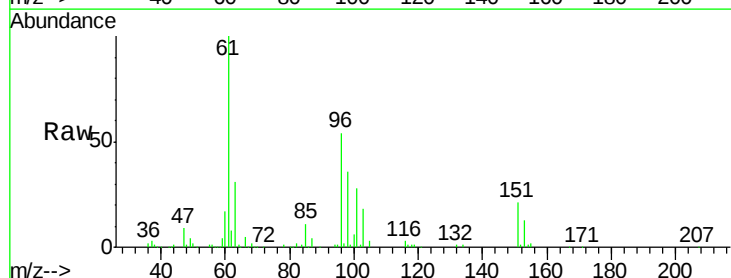
Manual Integrations
APPROVED

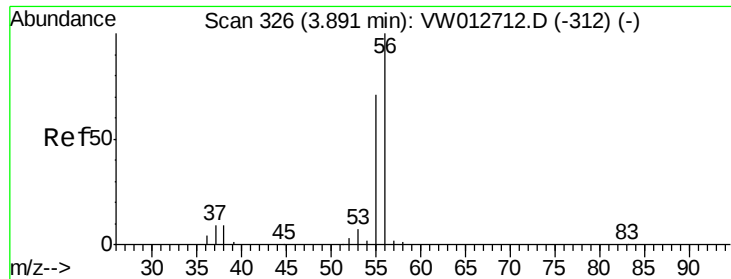
MMDadoda
9/10/2019 1:03:10 PM



#12
1,1-Dichloroethene
Concen: 44.304 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.0	147.8	221.6
98	65.8	47.9	71.9





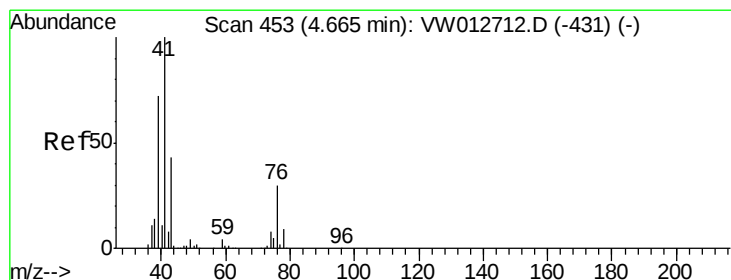
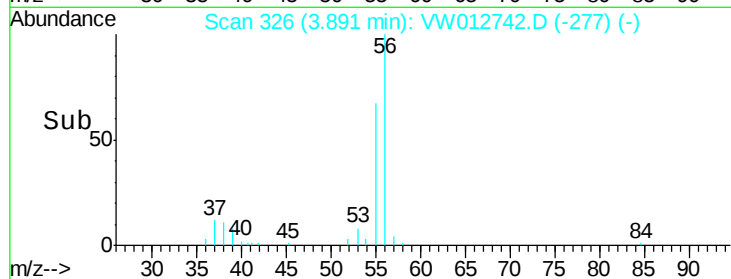
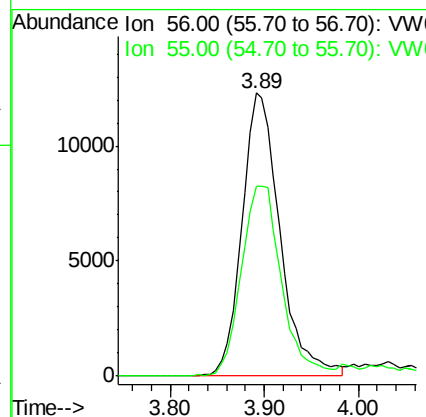
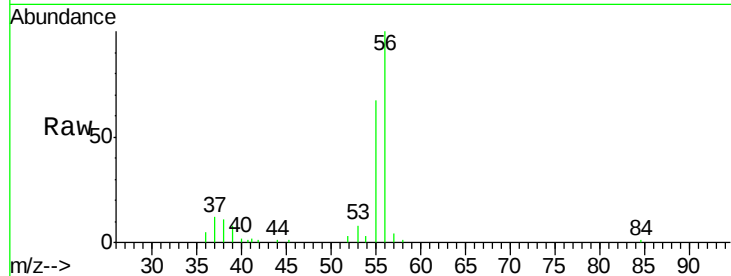
#13
Acrolein
Concen: 173.182 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	56	Resp	34489
Ion Ratio	100	Lower	Upper
55	70.7	56.9	85.3

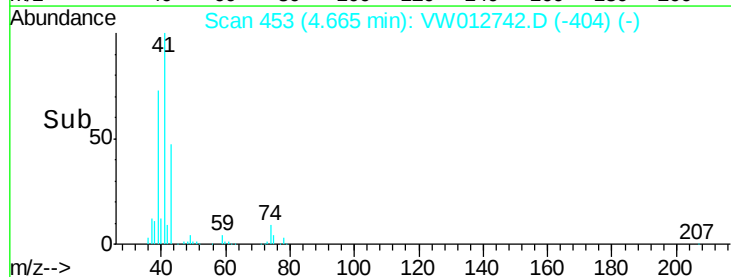
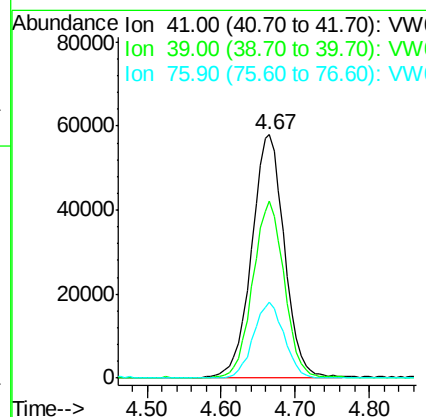
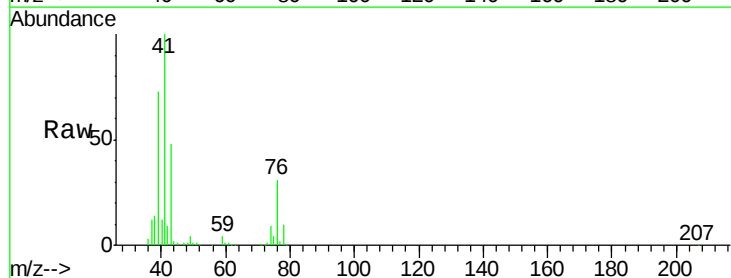
Manual Integrations
APPROVED

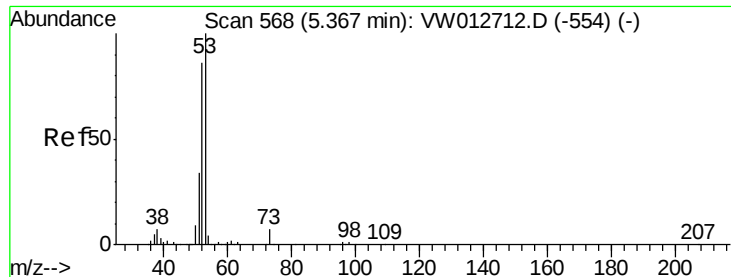
MMDadoda
9/10/2019 1:03:10 PM



#14
Allyl chloride
Concen: 47.724 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	41	Resp	178975
Ion Ratio	100	Lower	Upper
39	70.0	55.0	82.6
76	29.2	23.0	34.4





#15

Acrylonitrile

Concen: 277.525 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

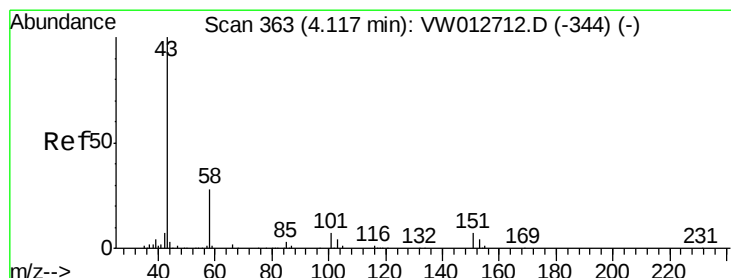
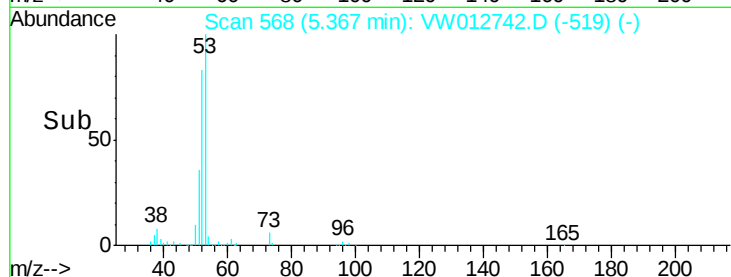
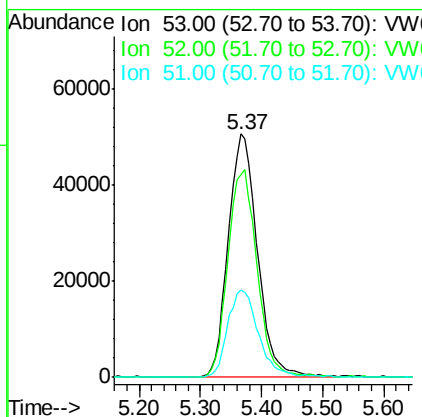
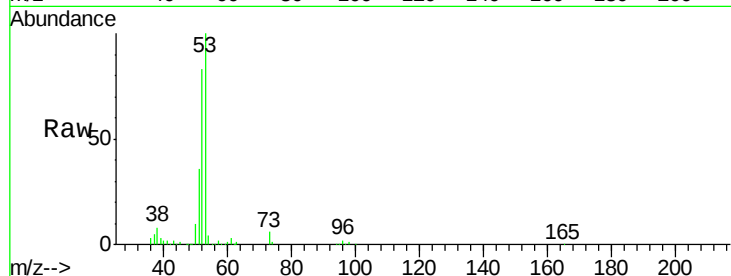
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	166722
Ion Ratio	Lower	Upper	
53	100		
52	84.6	67.0	100.4
51	37.7	29.8	44.8

Manual Integrations
APPROVED

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9/10/2019 1:03:10 PM



#16

Acetone

Concen: 201.139 ug/l m

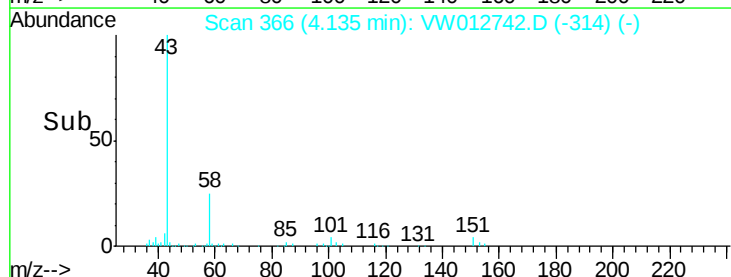
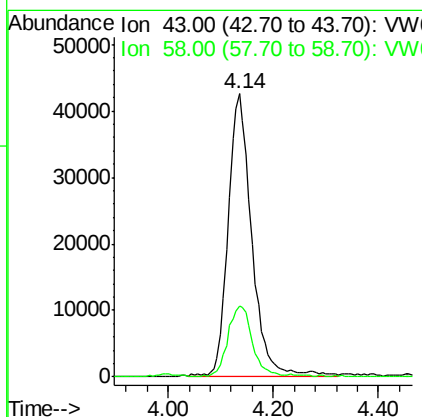
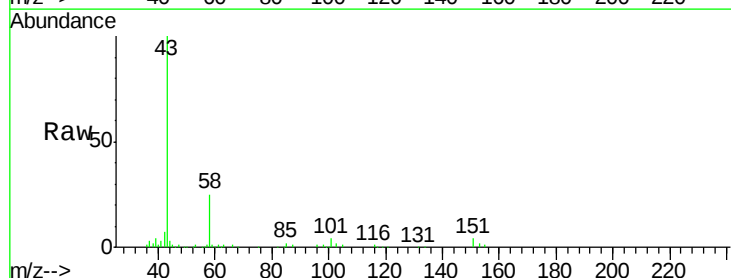
RT: 4.14 min Scan# 366

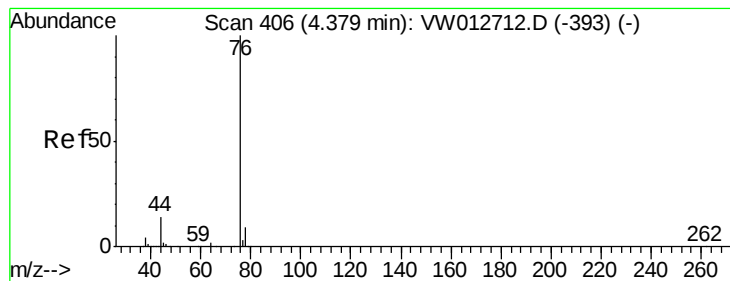
Delta R.T. 0.02 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Tgt Ion:	43	Resp:	134499
Ion Ratio	Lower	Upper	
43	100		
58	25.2	22.6	33.8





#17

Carbon Disulfide

Concen: 43.990 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 169280

Ion Ratio Lower Upper

76 100

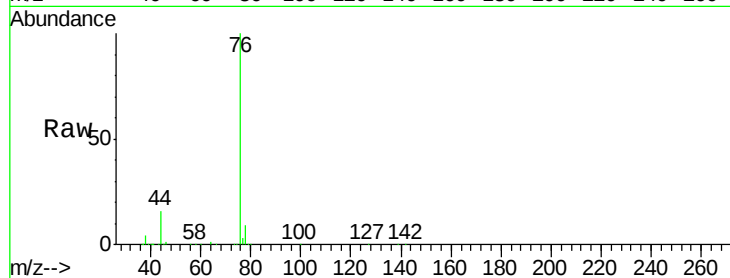
78 9.1 7.2 10.8

Manual Integrations

APPROVED

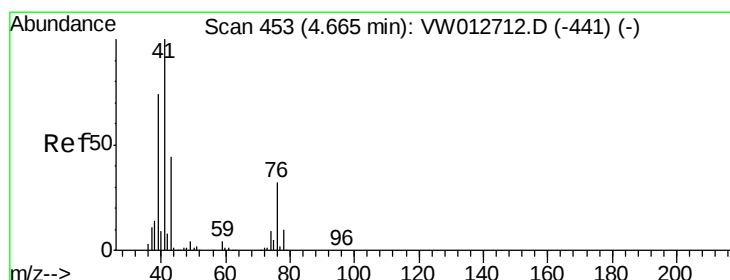
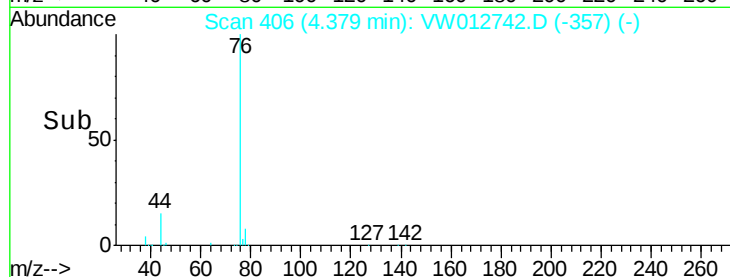
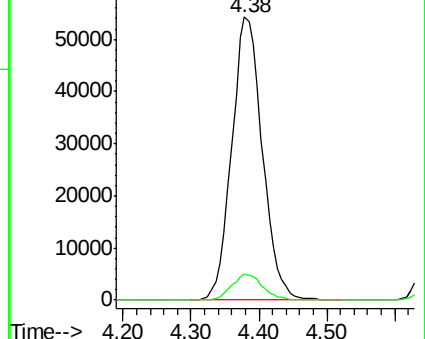
MMDadoda

9/10/2019 1:03:10 PM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 56.104 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012742.D

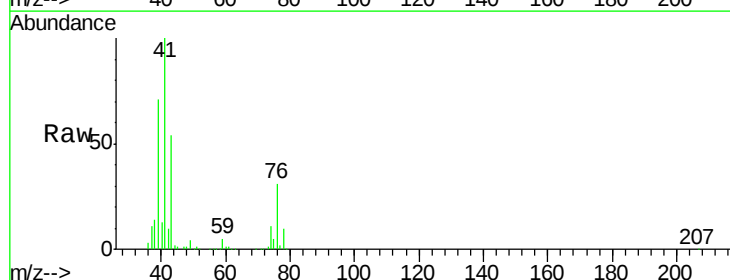
Acq: 08 Sep 2019 01:56

Tgt Ion: 43 Resp: 88019

Ion Ratio Lower Upper

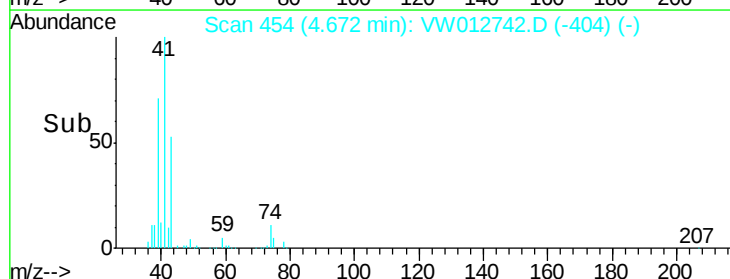
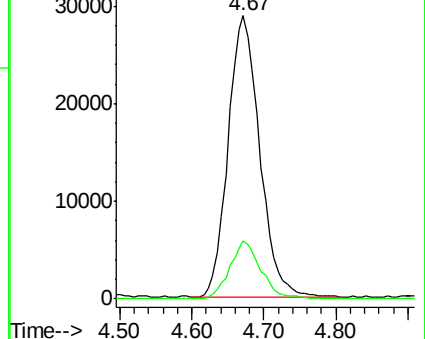
43 100

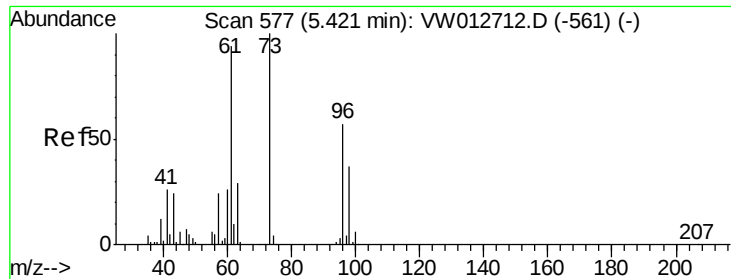
74 20.2 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





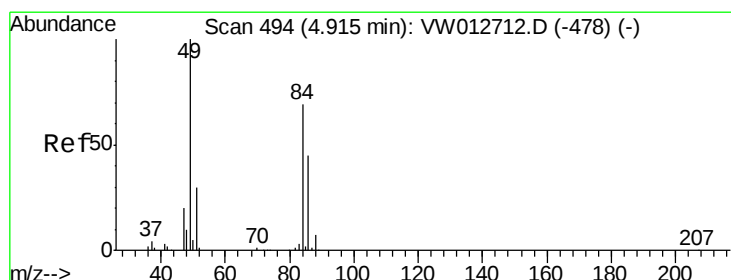
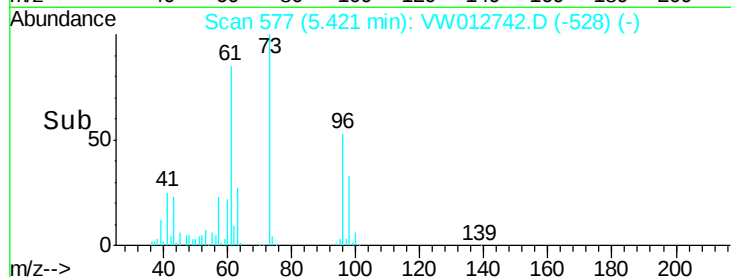
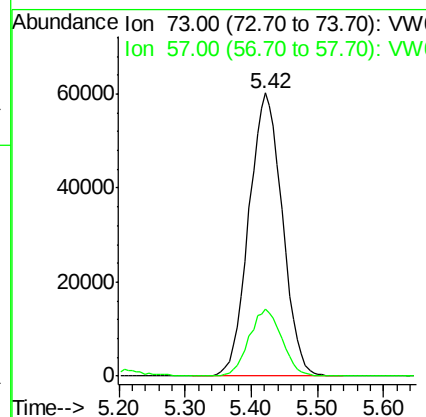
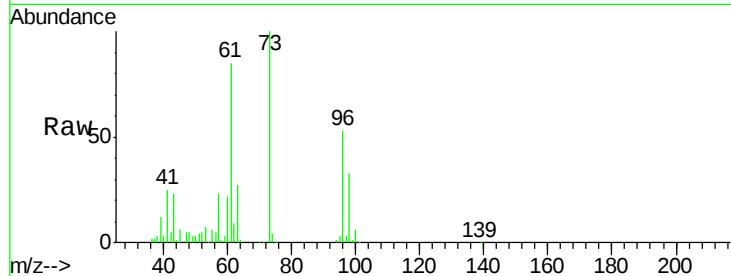
#19
Methvl tert-butvl Ether
Concen: 58.726 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 211142
Ion Ratio Lower Upper
73 100
57 23.5 19.2 28.8

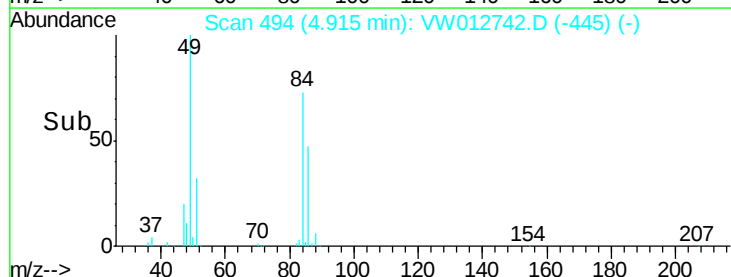
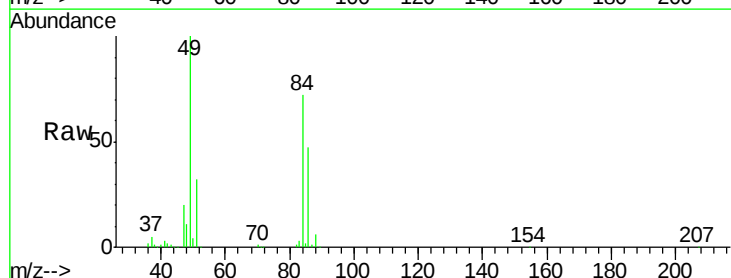
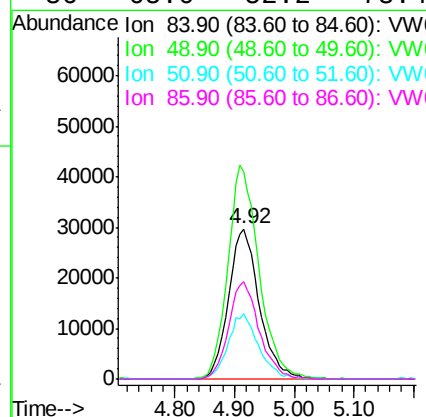
Manual Integrations
APPROVED

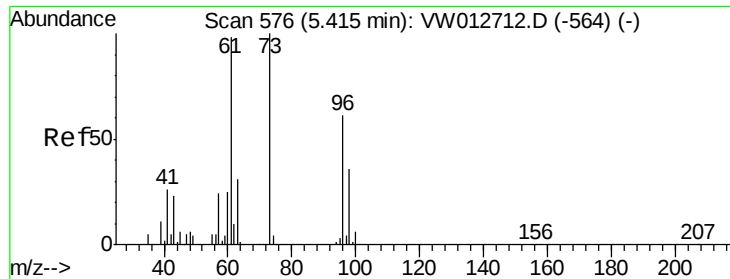
MMDadoda
9/10/2019 1:03:10 PM



#20
Methylene Chloride
Concen: 50.874 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion: 84 Resp: 106428
Ion Ratio Lower Upper
84 100
49 137.8 115.4 173.0
51 43.6 34.9 52.3
86 65.0 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 52.928 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 97906

Ion Ratio Lower Upper

96 100

61 157.0 129.2 193.8

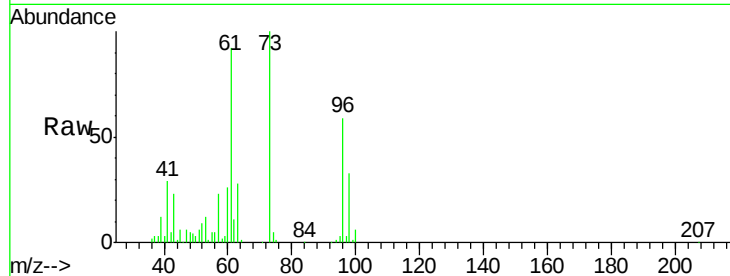
98 56.4 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:03:10 PM

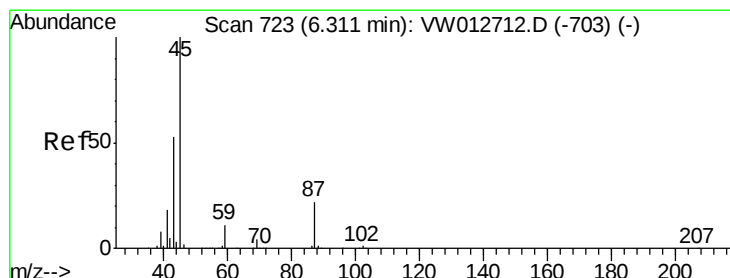
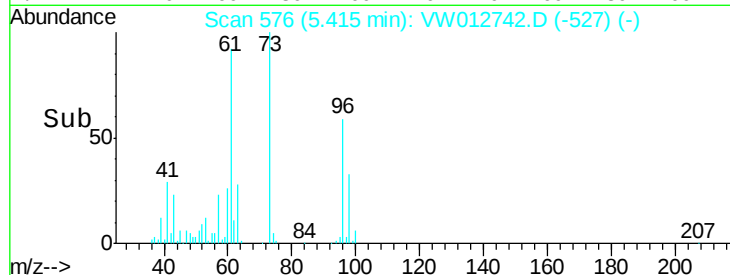
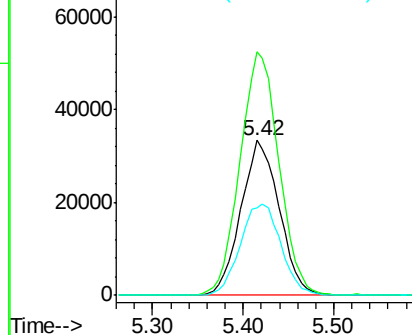


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 57.026 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Tgt Ion: 45 Resp: 424162

Ion Ratio Lower Upper

45 100

43 56.5 42.3 63.5

87 22.7 18.2 27.2

59 10.5 8.5 12.7

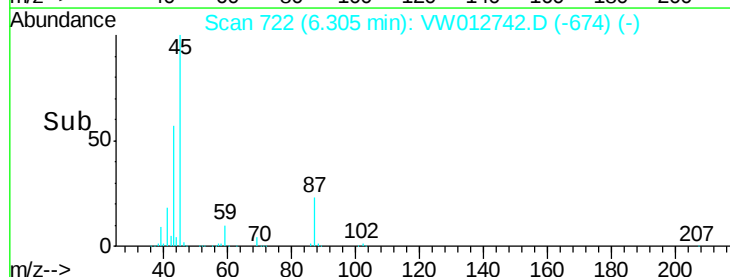
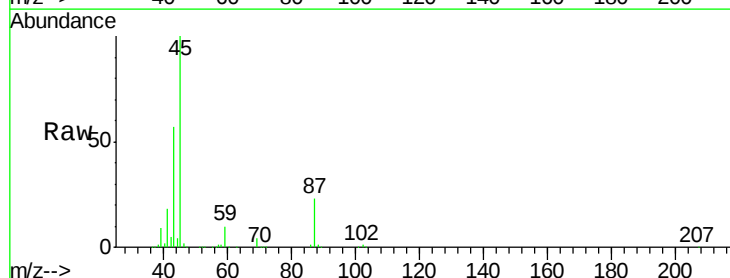
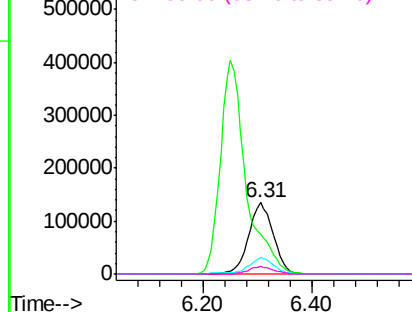
Abundance

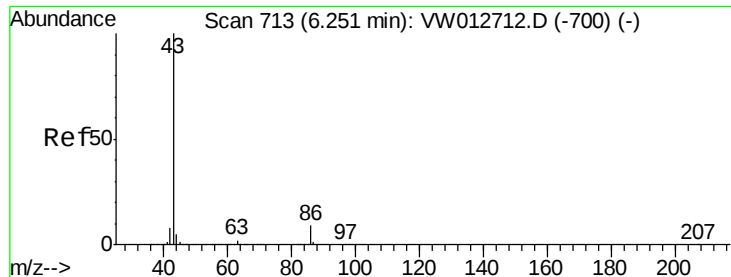
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 280.364 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1321585

Ion Ratio Lower Upper

43 100

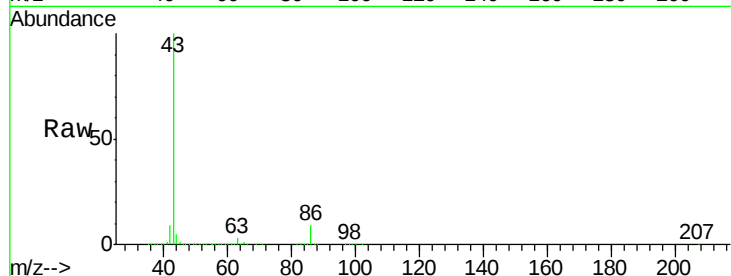
86 8.7 7.0 10.6

Manual Integrations

APPROVED

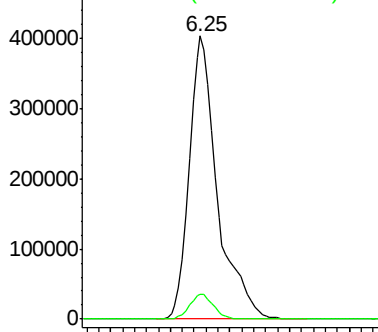
MMDadoda

9/10/2019 1:03:10 PM

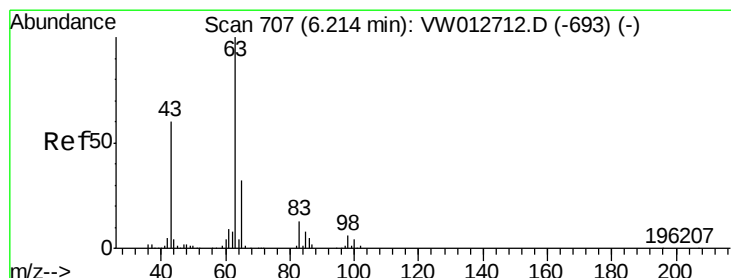
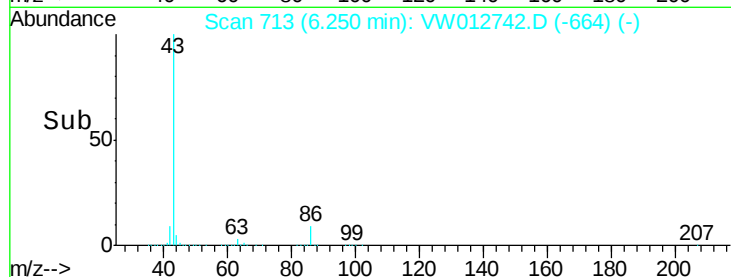


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 55.299 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

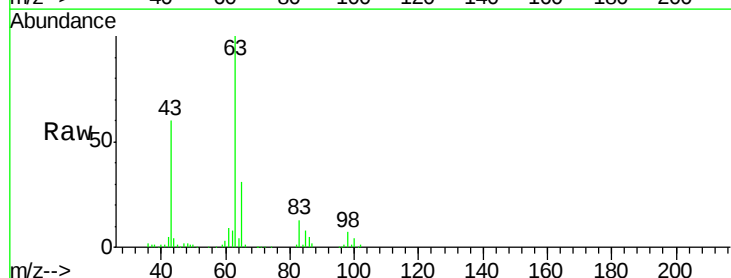
Tgt Ion: 63 Resp: 221468

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.3

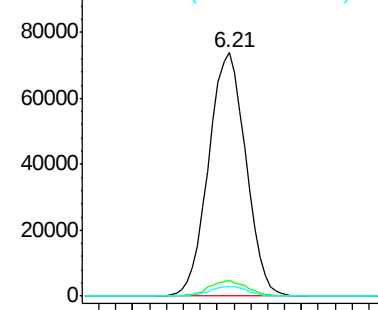
100 3.7 1.8 5.5



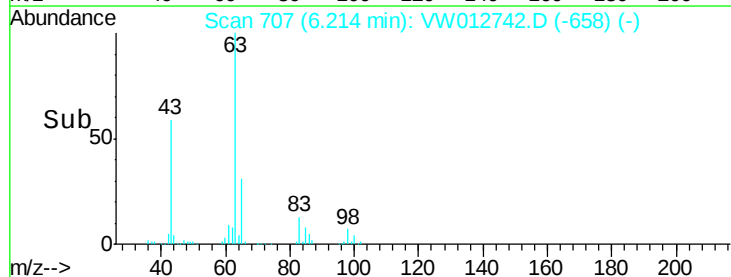
Abundance Ion 62.90 (62.60 to 63.60): VW

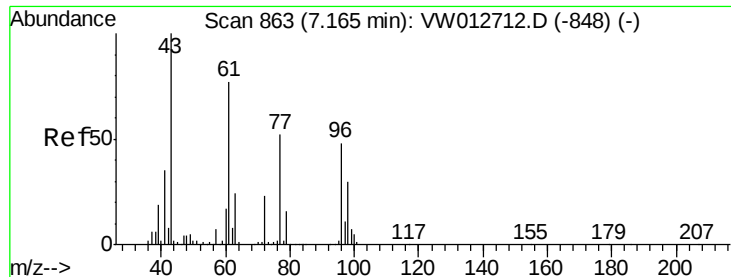
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





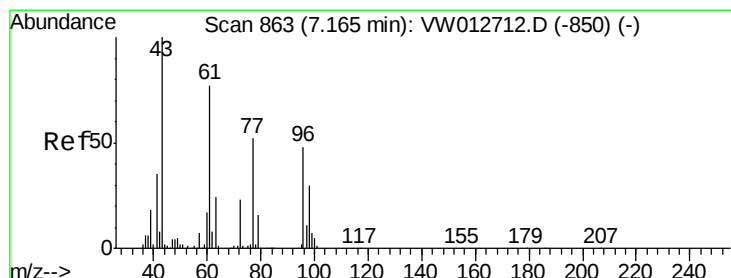
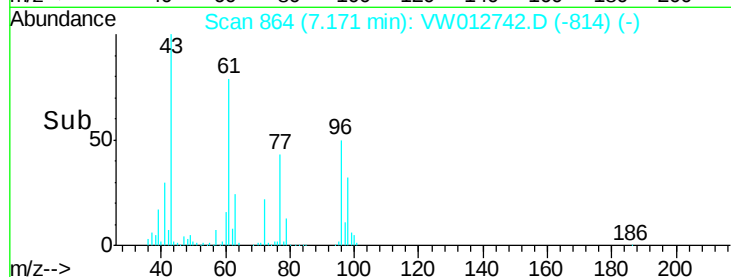
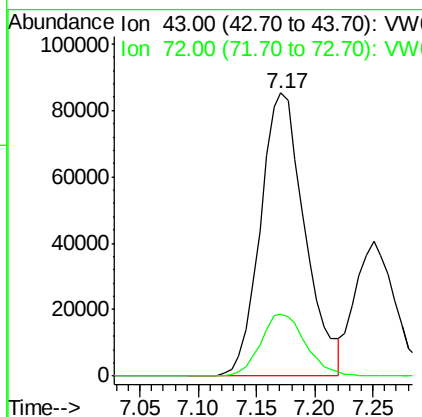
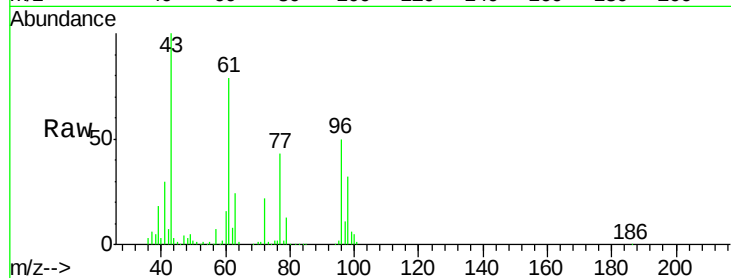
#25
2-Butanone
Concen: 231.186 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 226039
Ion Ratio Lower Upper
43 100
72 21.9 18.0 27.0

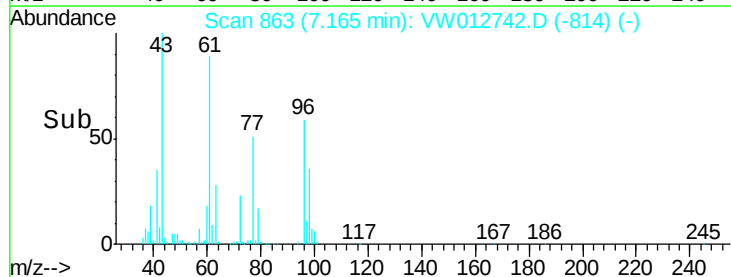
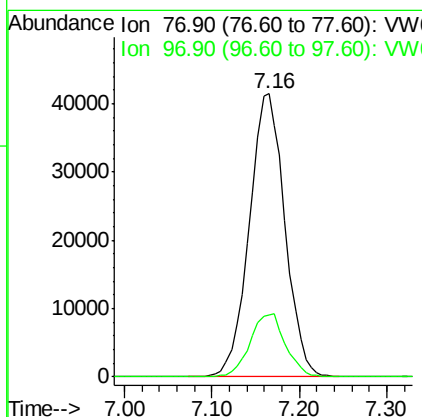
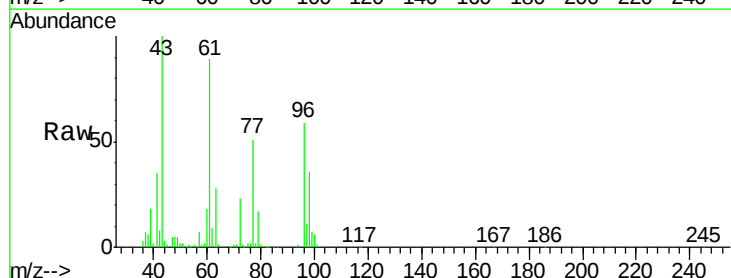
Manual Integrations
APPROVED

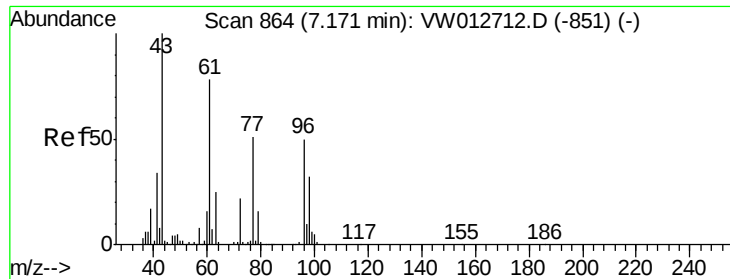
MMDadoda
9/10/2019 1:03:10 PM



#26
2,2-Dichloropropane
Concen: 46.218 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion: 77 Resp: 116908
Ion Ratio Lower Upper
77 100
97 22.2 10.7 32.1





#27

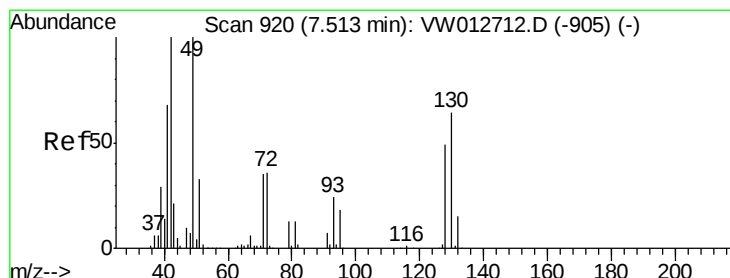
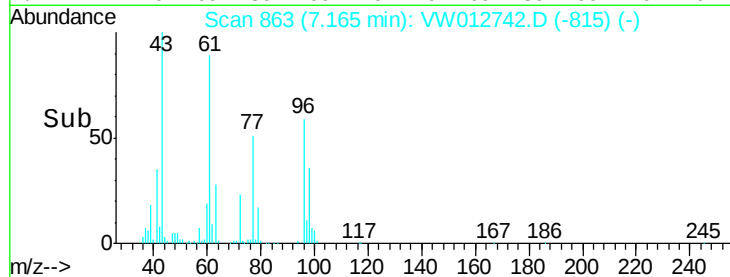
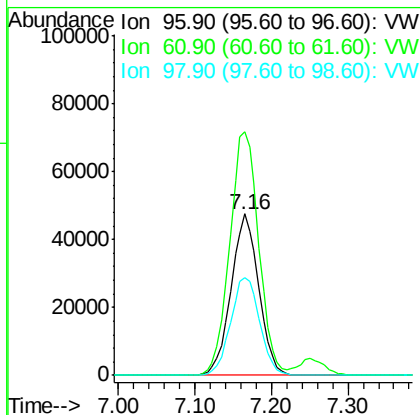
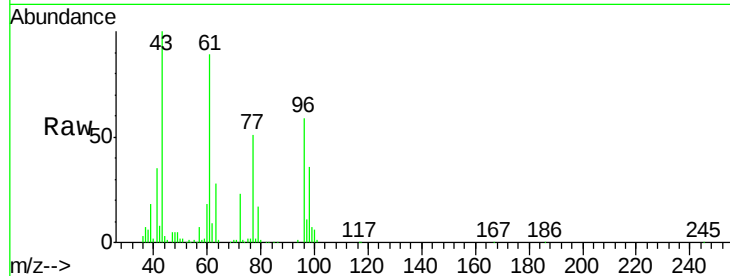
cis-1,2-Dichloroethene
Concen: 55.267 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	118538		
61	158.6	0.0	325.8	
98	63.7	0.0	127.0	

Manual Integrations
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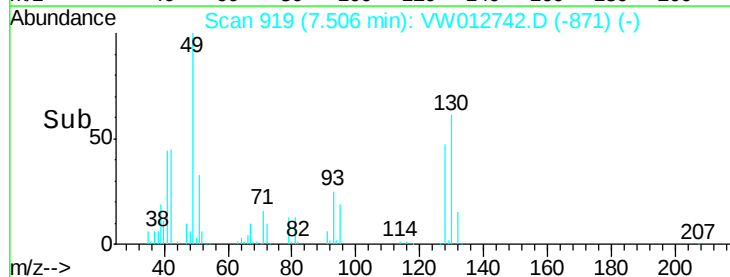
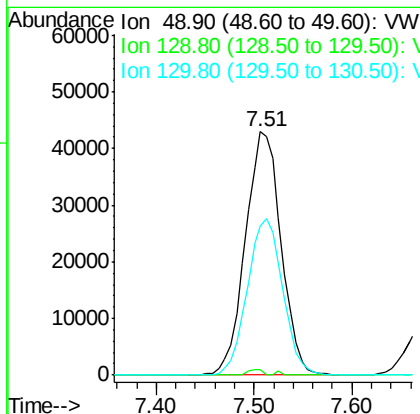
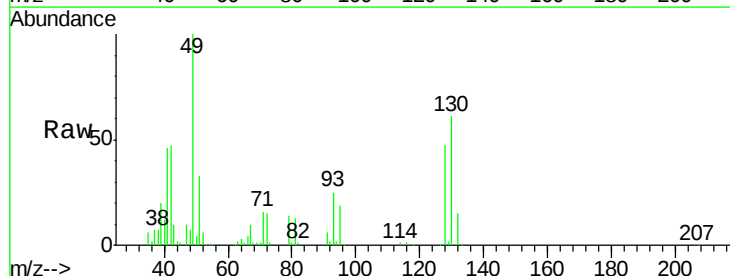
MMDadoda
9/10/2019 1:03:10 PM



#28

Bromochloromethane
Concen: 59.074 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108634		
129	0.9	0.0	0.8#	
130	63.8	49.8	74.8	





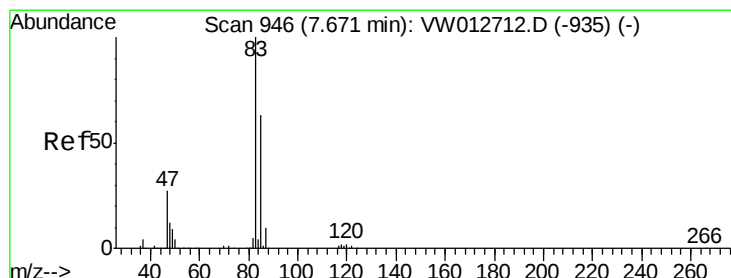
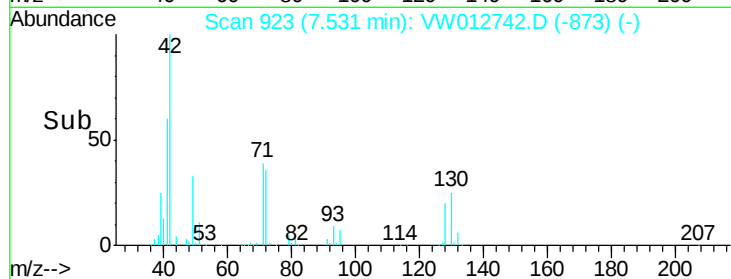
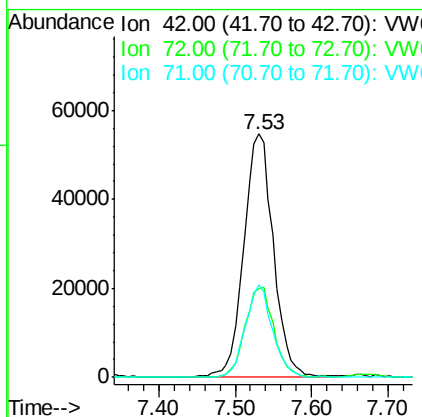
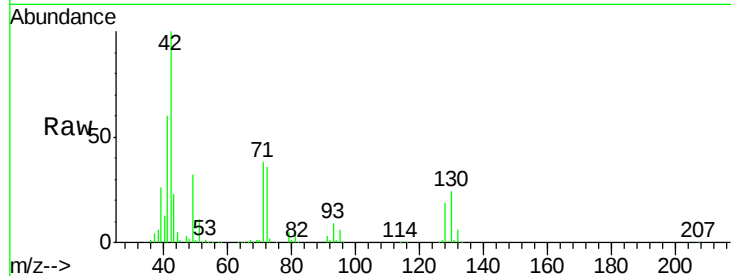
#29
Tetrahydrofuran
Concen: 271.487 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	146601
Ion Ratio		Lower	Upper
42	100		
72	36.4	28.4	42.6
71	35.0	27.1	40.7

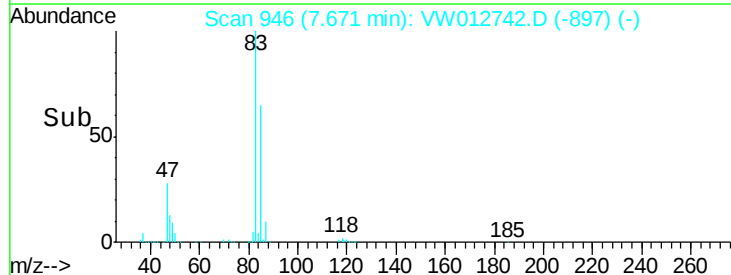
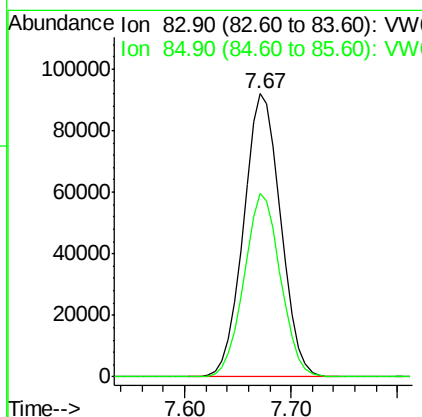
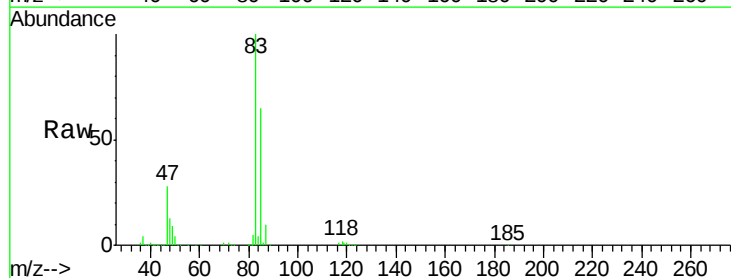
Manual Integrations
APPROVED

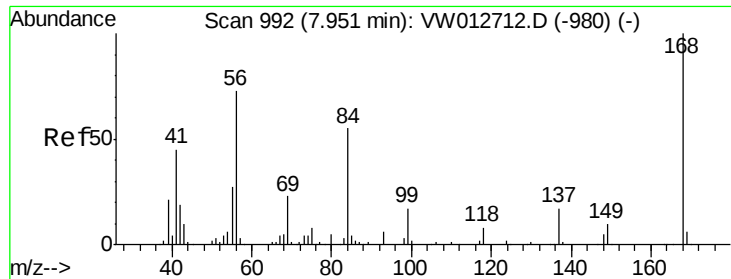
MMDadoda
9/10/2019 1:03:10 PM



#30
Chloroform
Concen: 56.620 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion:	83	Resp:	224732
Ion Ratio		Lower	Upper
83	100		
85	65.0	50.6	76.0





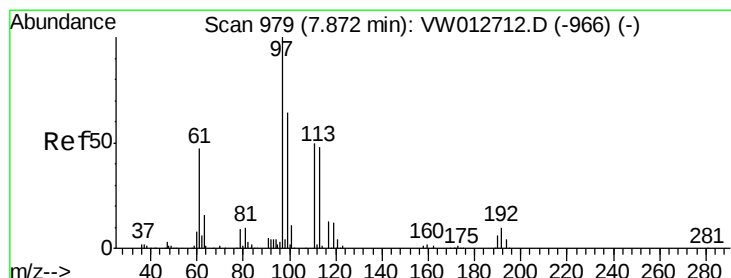
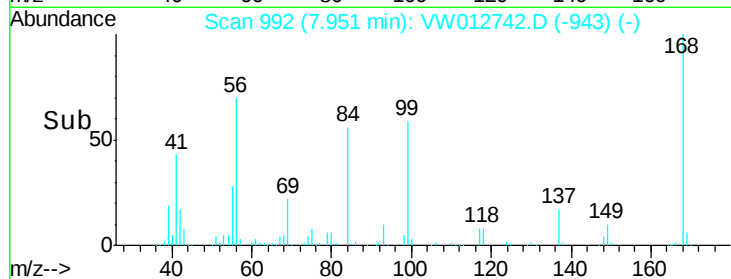
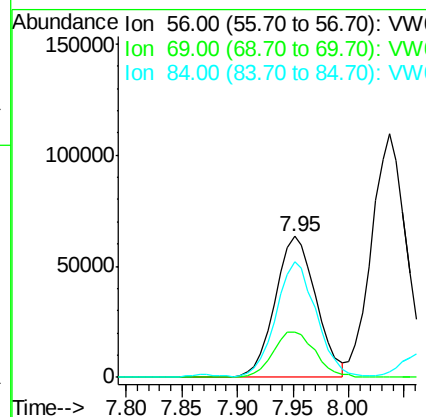
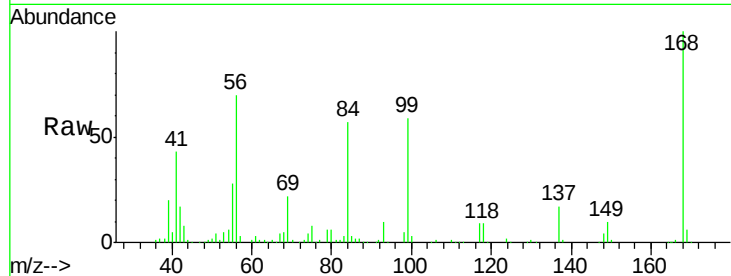
#31
Cyclohexane
Concen: 45.156 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	162810		
69	32.1	25.7	38.5	
84	80.5	60.4	90.6	

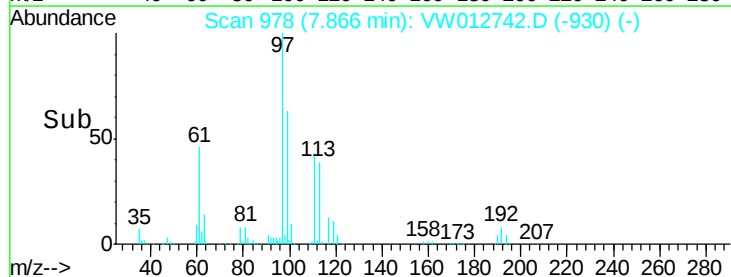
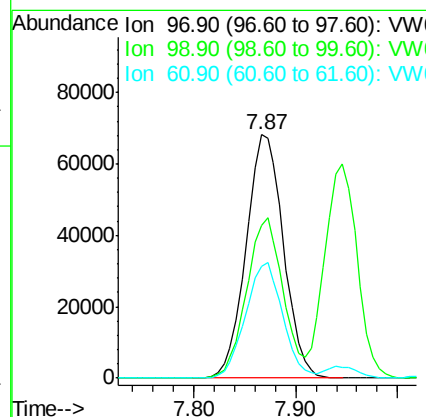
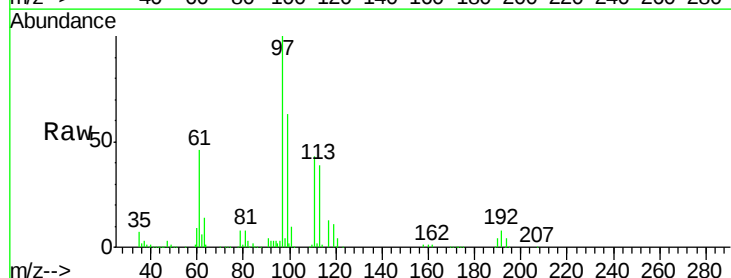
Manual Integrations
APPROVED

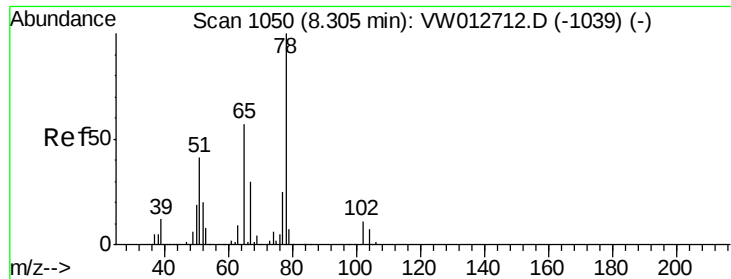
MMDadoda
9/10/2019 1:03:10 PM



#32
1,1,1-Trichloroethane
Concen: 53.929 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	173510		
99	64.6	51.5	77.3	
61	47.4	37.9	56.9	





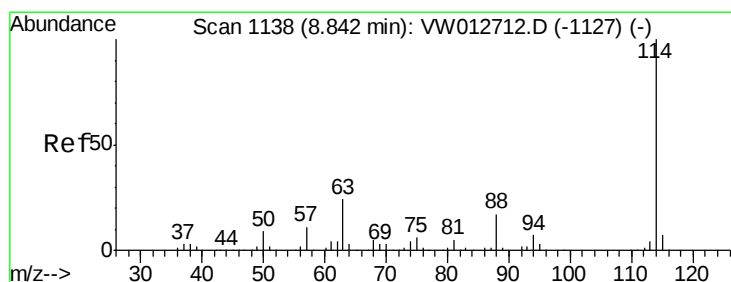
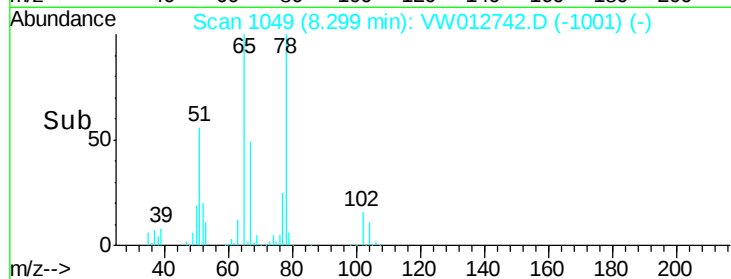
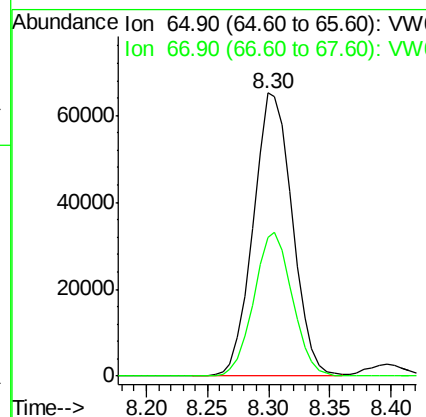
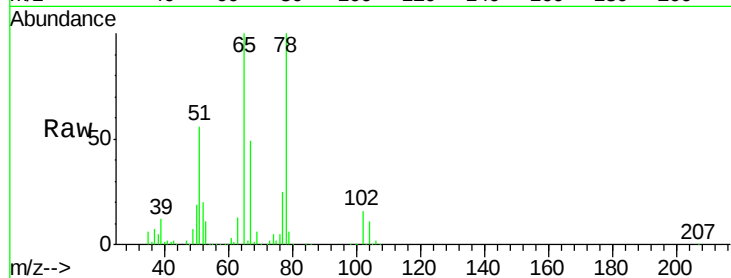
#33
 1,2-Dichloroethane-d4
 Concen: 59.173 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145141		
67	49.7	0.0	101.8	

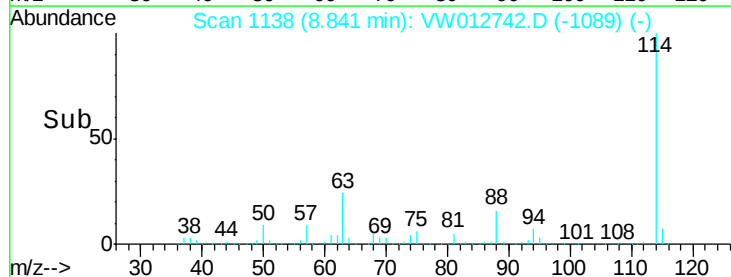
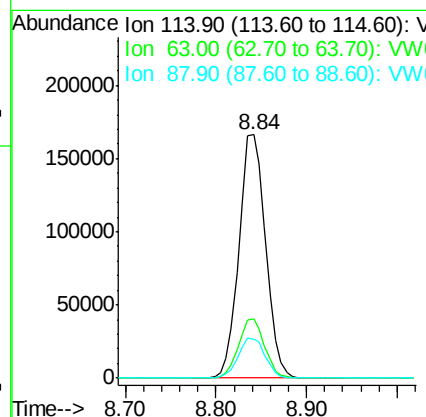
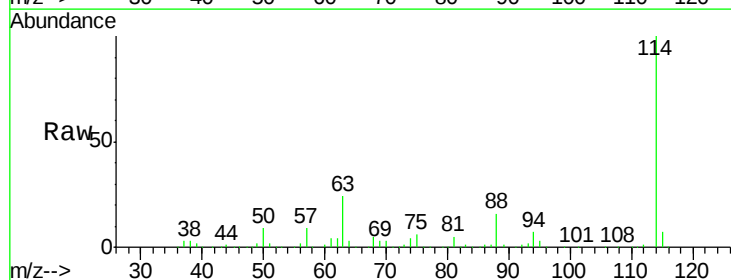
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	338529		
63	24.5	0.0	47.2	
88	16.0	0.0	34.0	





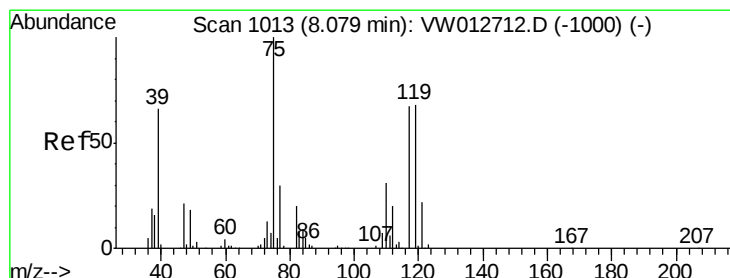
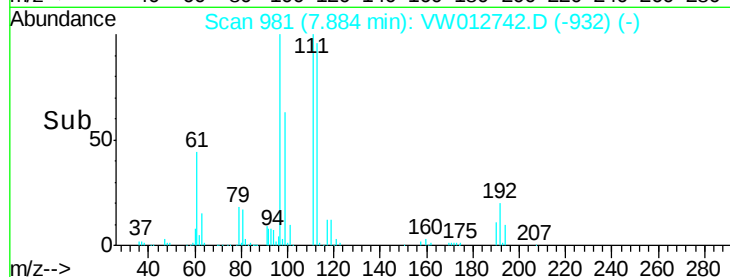
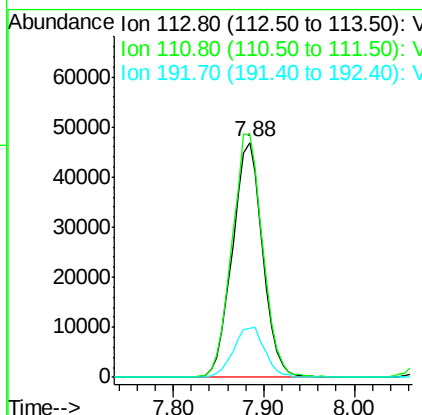
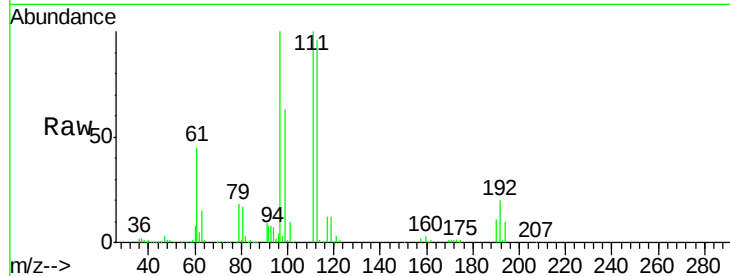
#35
 Dibromofluoromethane
 Concen: 53.787 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108254		
111	106.0		80.2	120.4
192	22.3		17.3	25.9

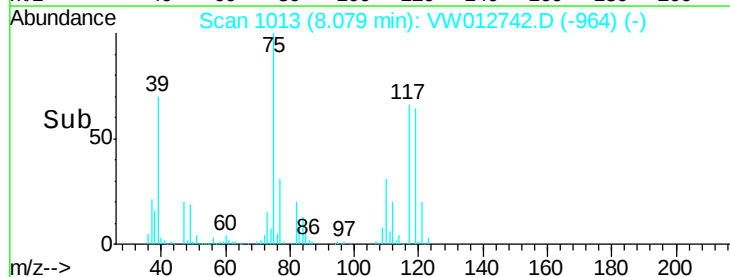
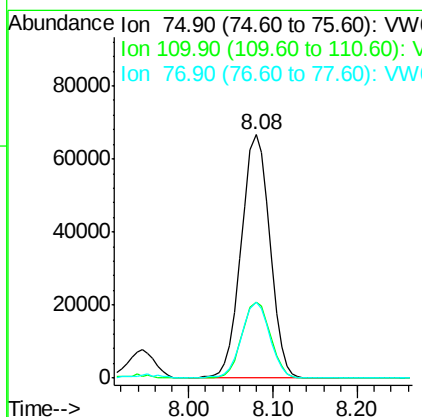
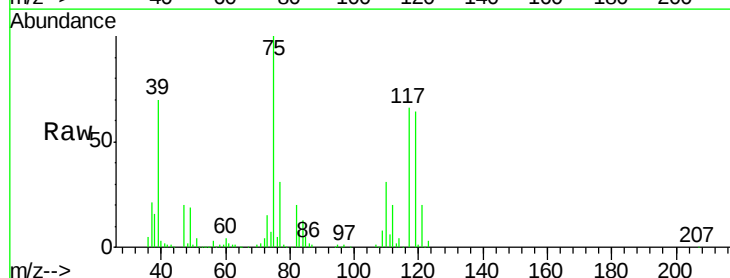
Manual Integrations
 APPROVED

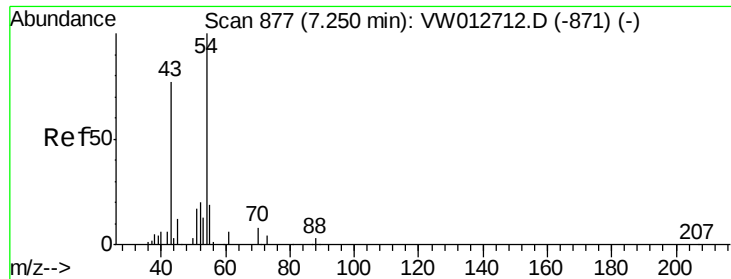
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 9/10/2019 1:03:10 PM



#36
 1,1-Dichloropropene
 Concen: 50.819 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152860		
110	31.0		15.9	47.7
77	30.8		25.0	37.4





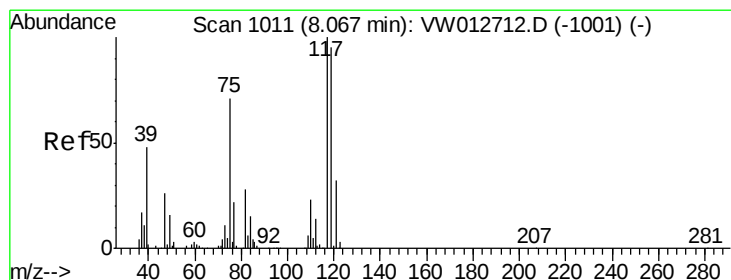
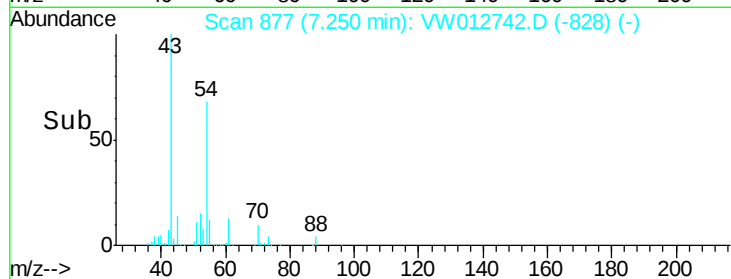
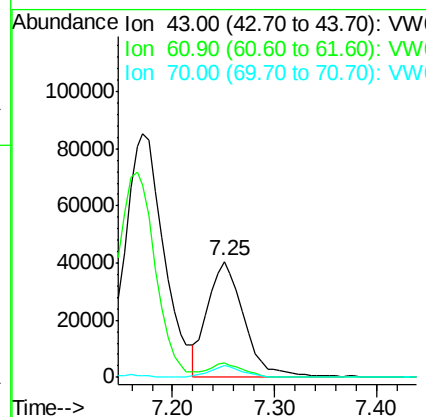
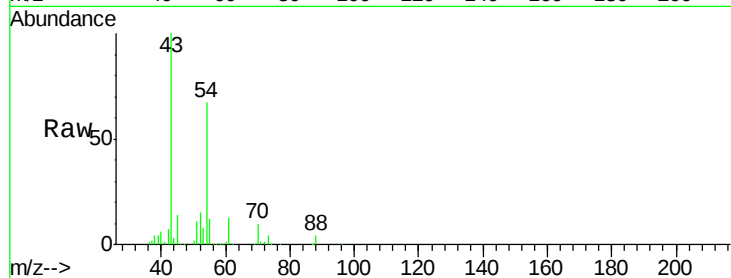
#37
Ethyl Acetate
Concen: 51.525 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.5	14.3
70	9.4	7.0	10.6

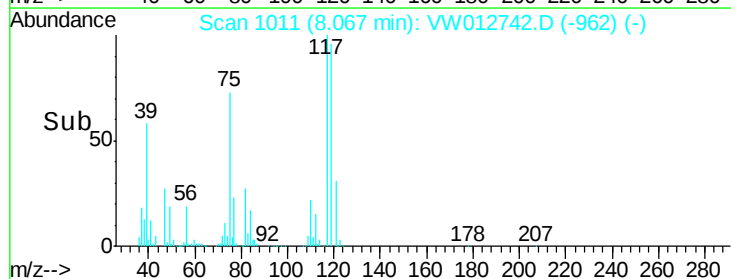
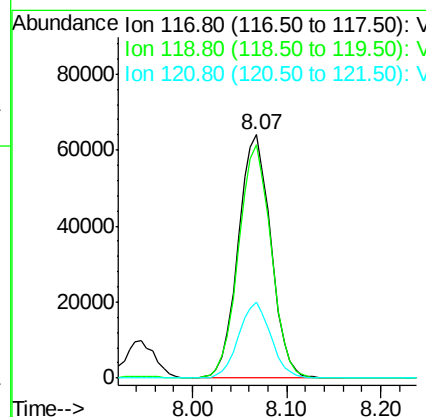
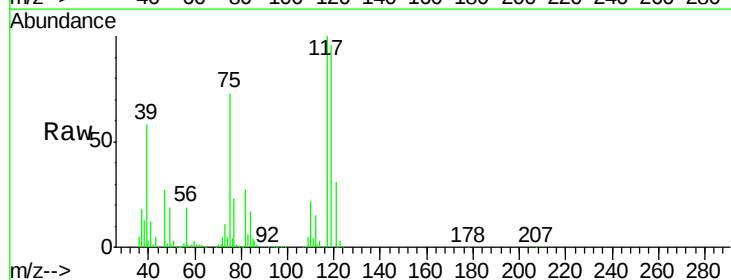
Manual Integrations
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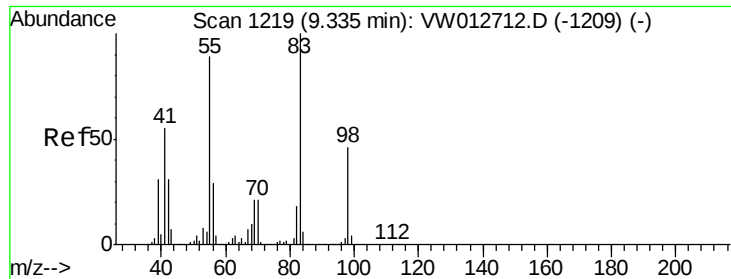
MMDadoda
9/10/2019 1:03:10 PM



#38
Carbon Tetrachloride
Concen: 52.222 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	31.2	25.4	38.2





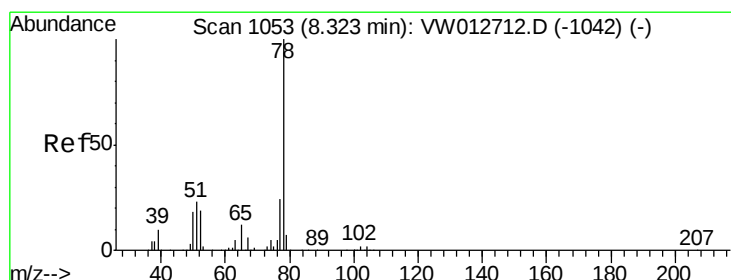
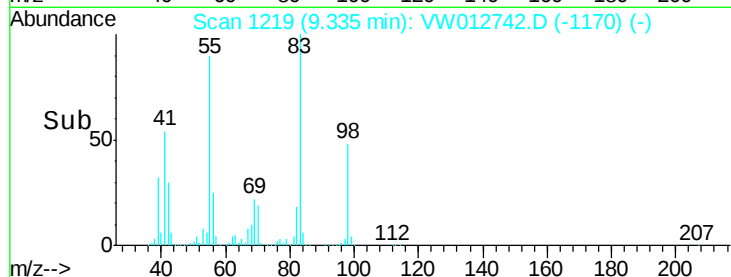
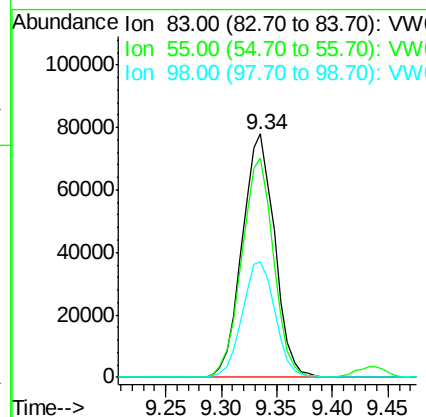
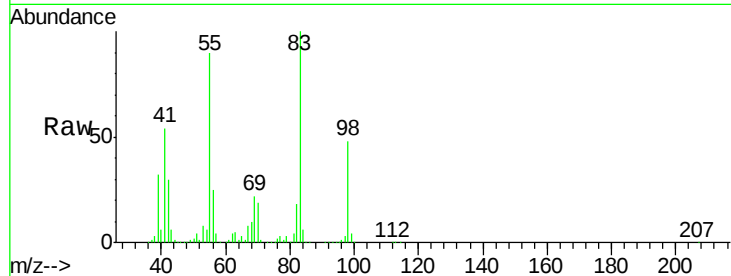
#39
Methvlcvclohexane
Concen: 46.862 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.9	71.0	106.4
98	47.6	36.9	55.3

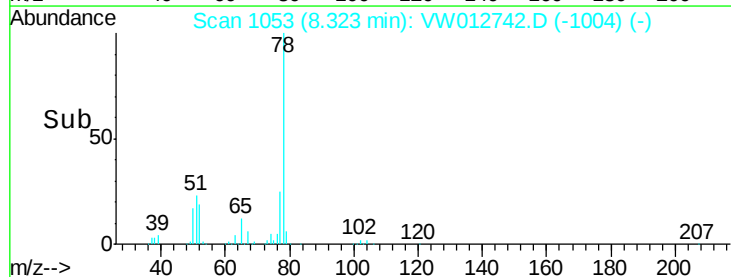
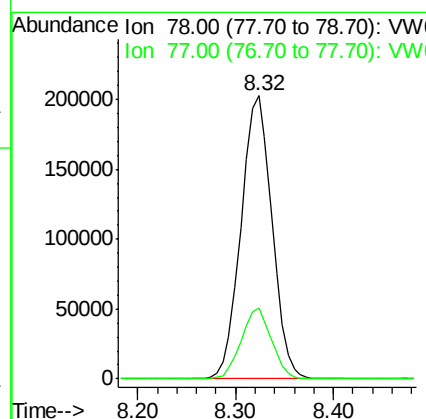
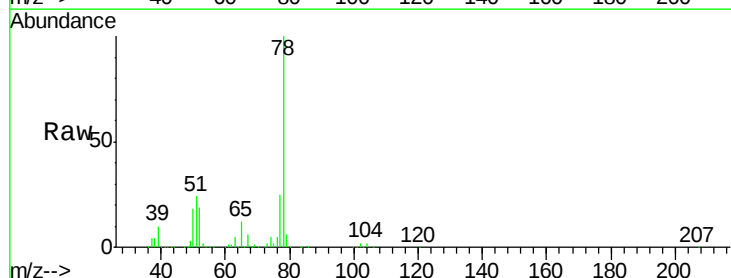
Manual Integrations
APPROVED

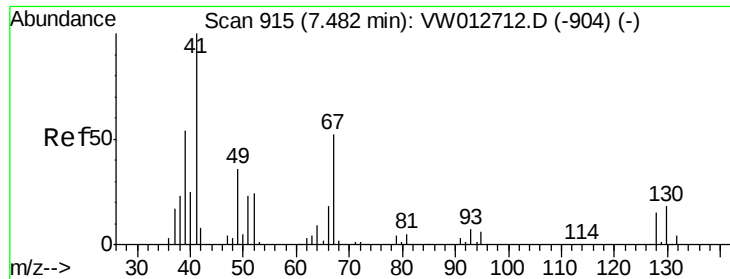
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9/10/2019 1:03:10 PM



#40
Benzene
Concen: 53.420 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.3	28.9





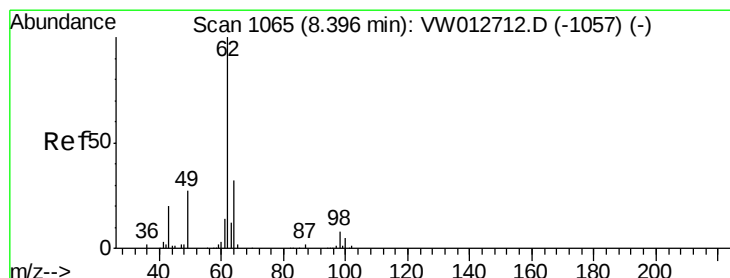
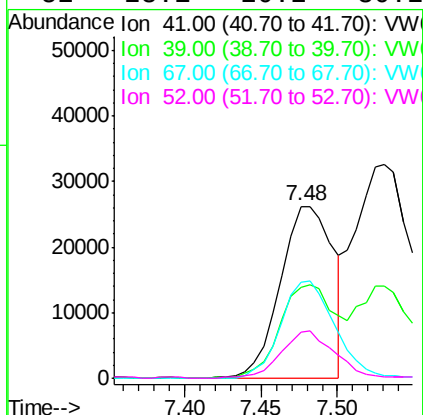
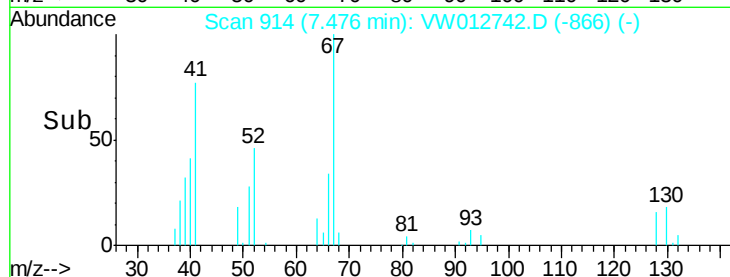
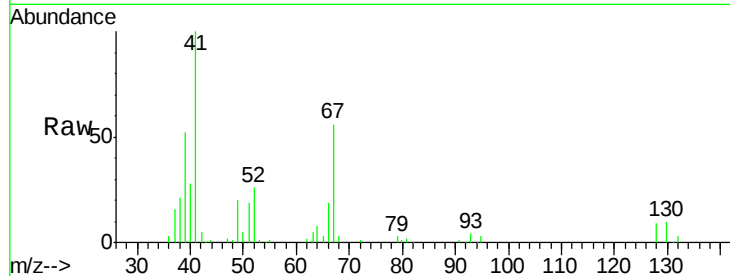
#41
Methacrylonitrile
Concen: 48.534 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	63102
Ion Ratio	Lower	Upper	
41	100		
39	59.1	47.5	71.3
67	58.5	45.1	67.7
52	28.1	20.2	30.2

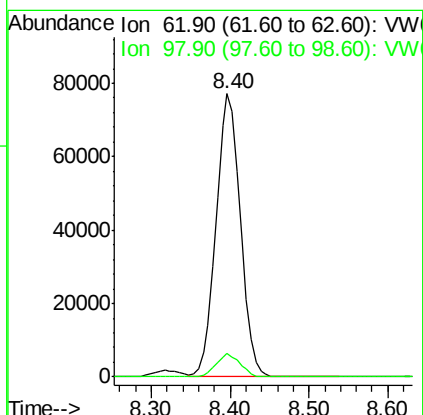
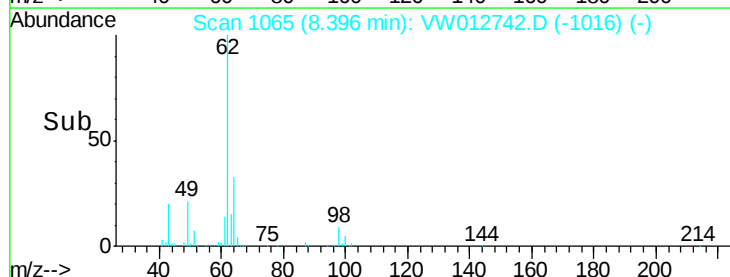
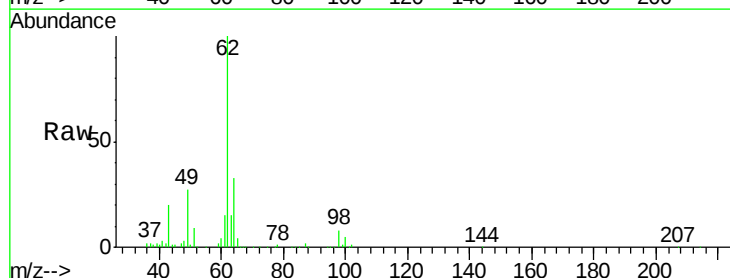
Manual Integrations
APPROVED

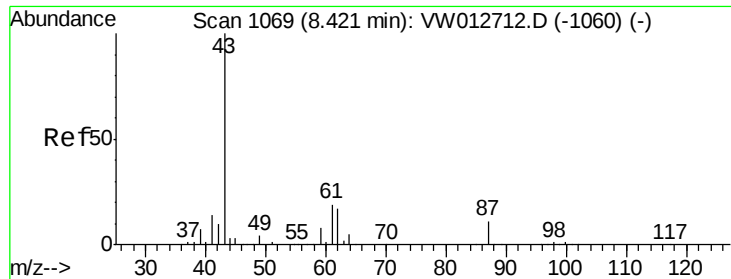
MMDadoda
9/10/2019 1:03:10 PM



#42
1,2-Dichloroethane
Concen: 56.412 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	62	Resp	165687
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.2





#43

Isopropyl Acetate

Concen: 56.168 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

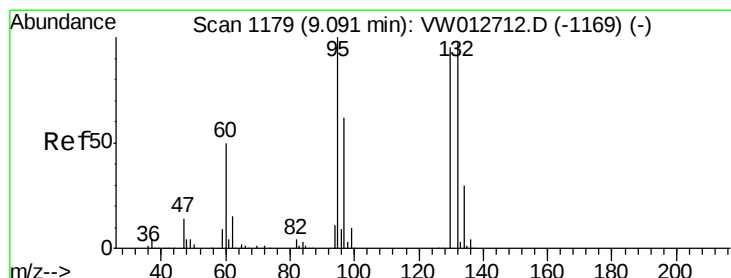
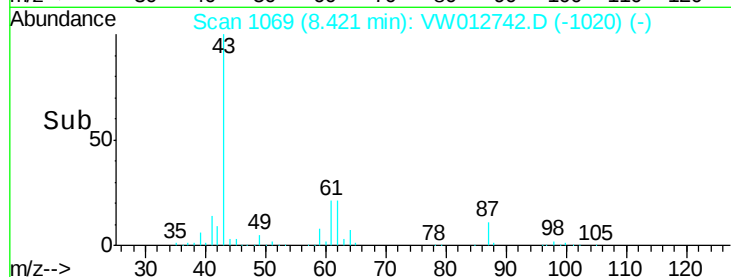
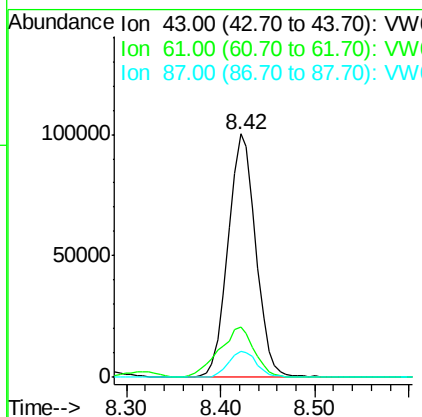
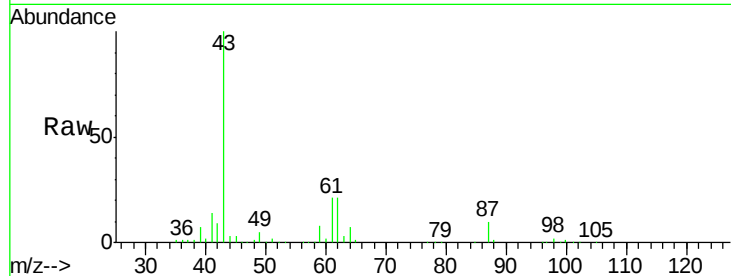
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	204044
Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.6	30.8
87	10.8	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 51.399 ug/l

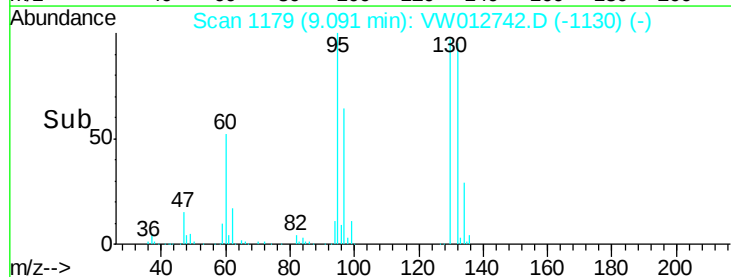
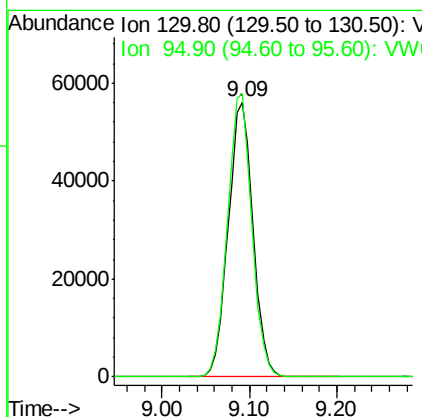
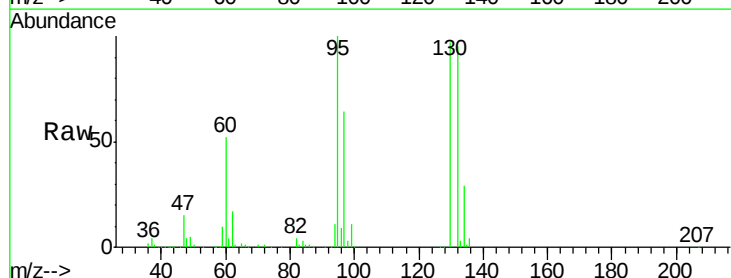
RT: 9.09 min Scan# 1179

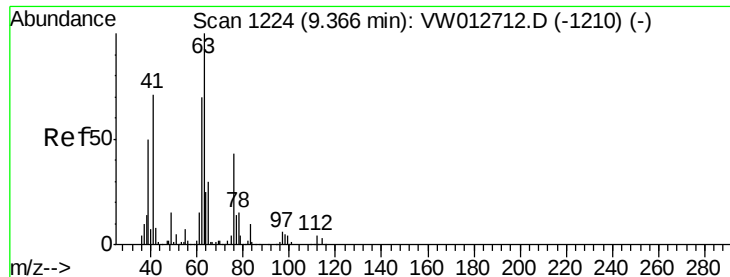
Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Tgt Ion:	130	Resp:	110571
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	210.6





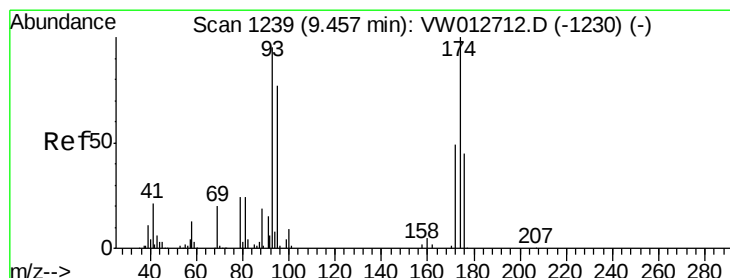
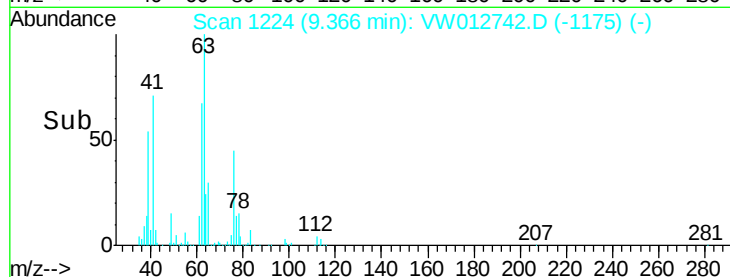
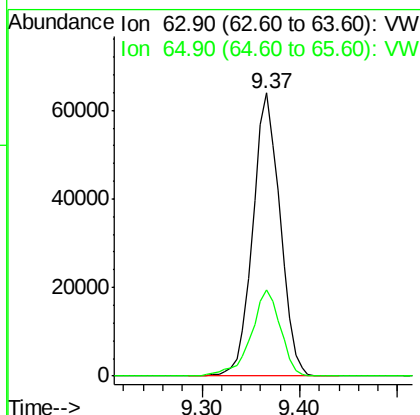
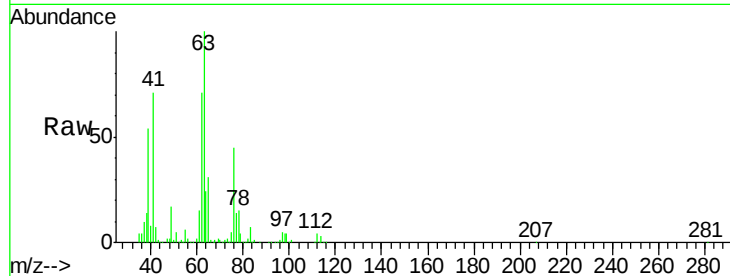
#45
 1,2-Dichloropropane
 Concen: 53.738 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	23.8	35.8

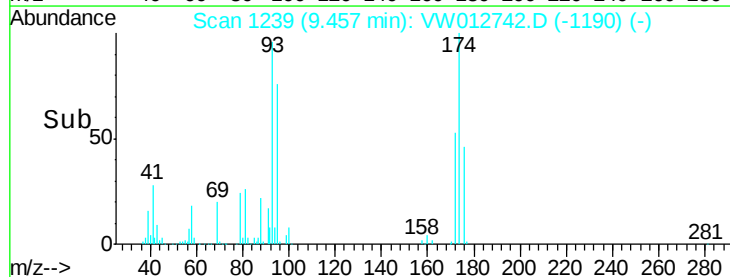
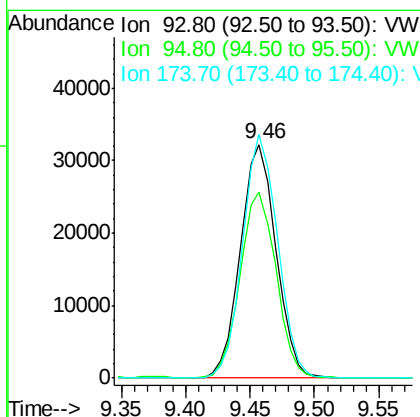
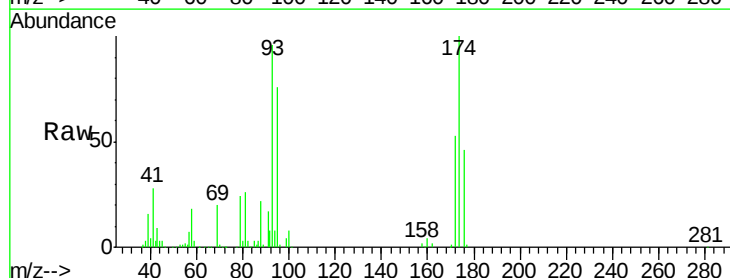
Manual Integrations
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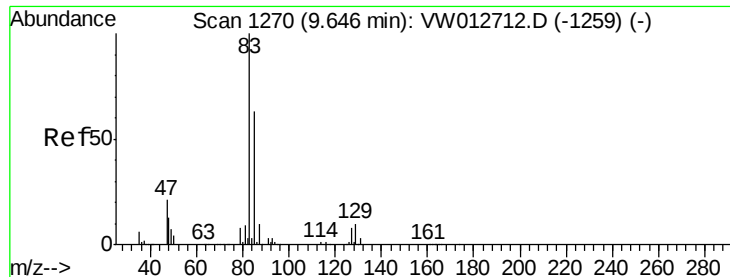
MMDadoda
 9/10/2019 1:03:10 PM



#46
 Dibromomethane
 Concen: 56.424 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	65.2	97.8
174	102.4	84.2	126.4





#47

Bromodichloromethane

Concen: 56.367 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

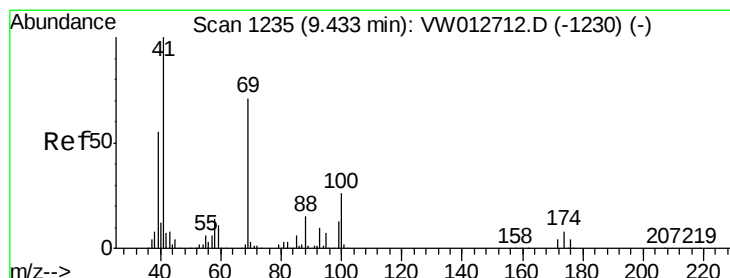
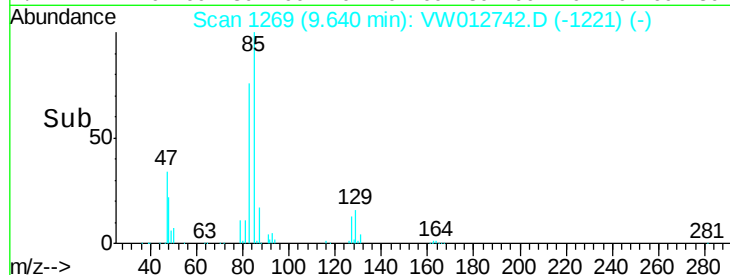
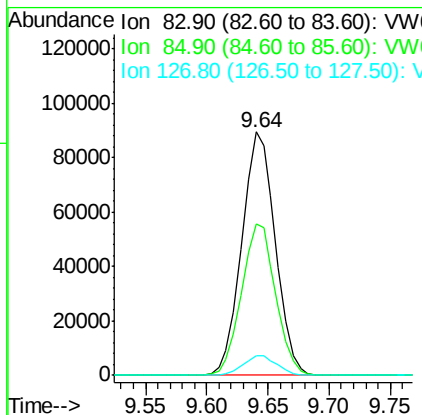
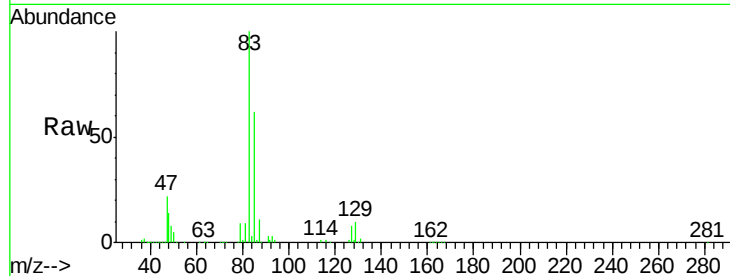
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	169977
Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.2	75.2
127	8.2	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.350 ug/l

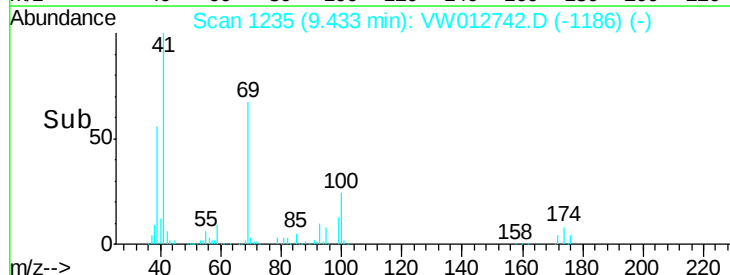
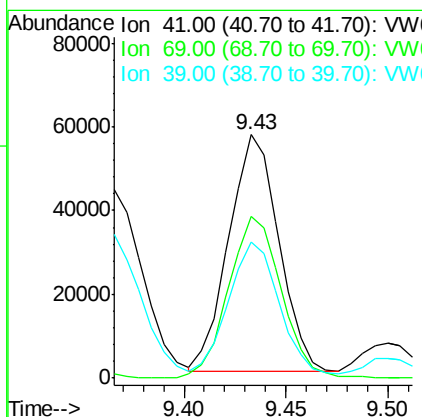
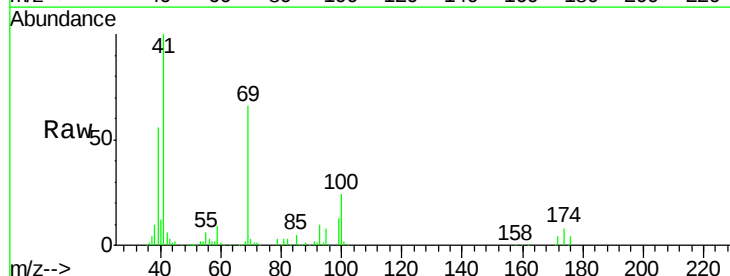
RT: 9.43 min Scan# 1235

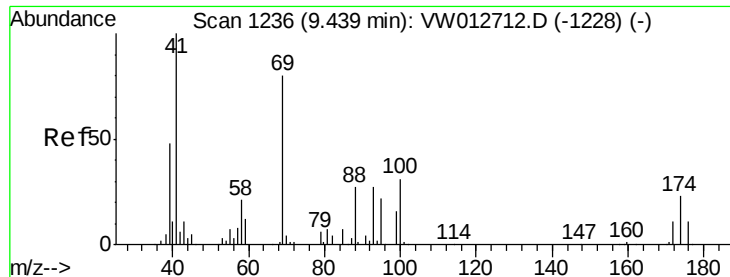
Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Tgt Ion:	41	Resp:	96091
Ion	Ratio	Lower	Upper
41	100		
69	71.8	59.8	89.8
39	59.9	47.0	70.6





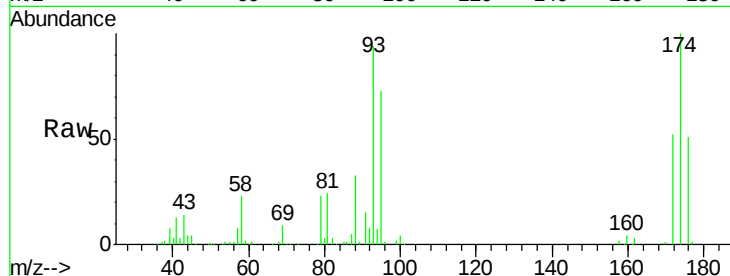
#49
 1,4-Dioxane
 Concen: 1077.564 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.02 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	82.4	64.1	96.1

Manual Integrations
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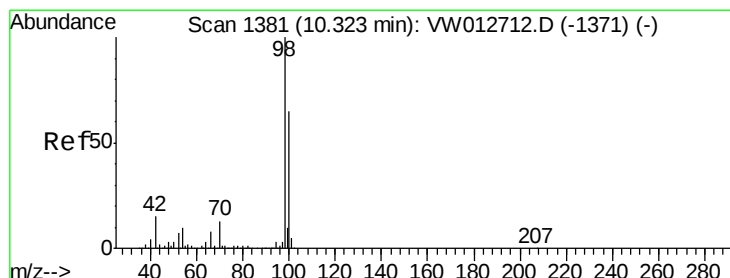
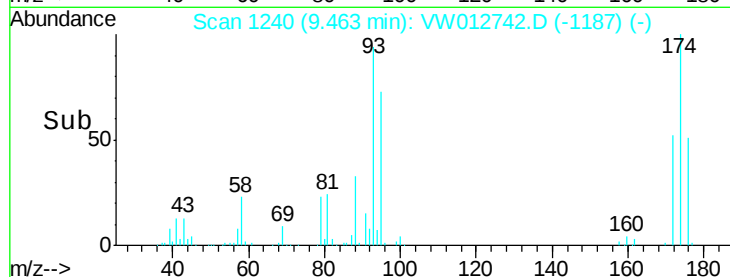
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

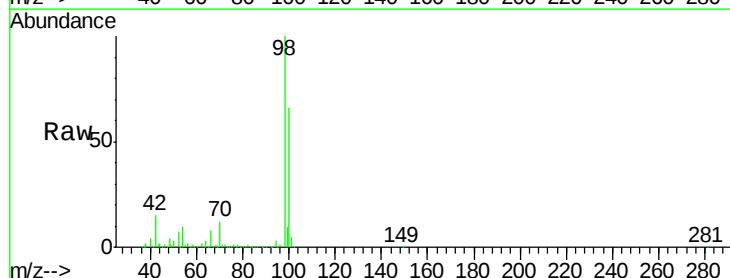
Ion 58.00 (57.70 to 58.70): VW

Time-->



#50
 Toluene-d8
 Concen: 53.639 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4

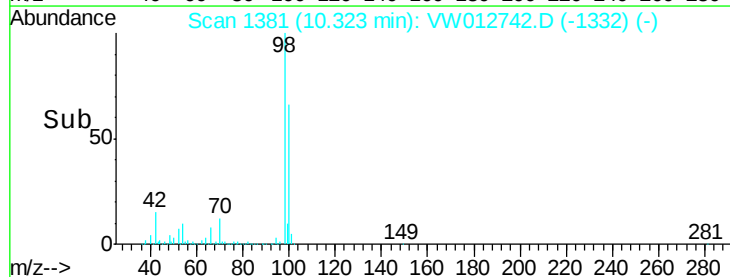


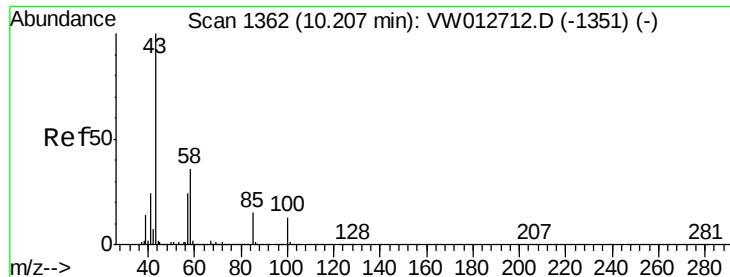
Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->





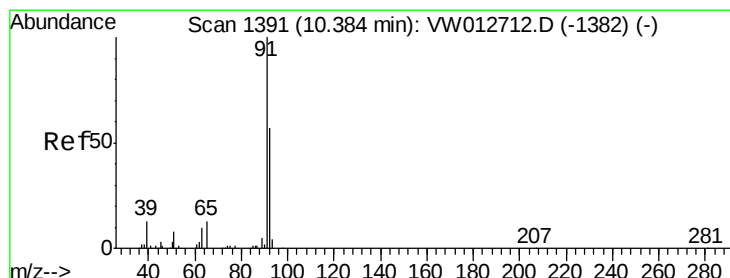
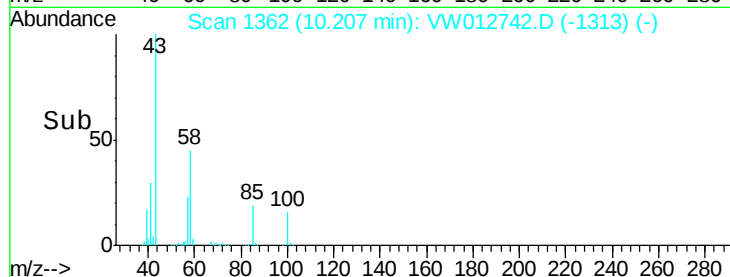
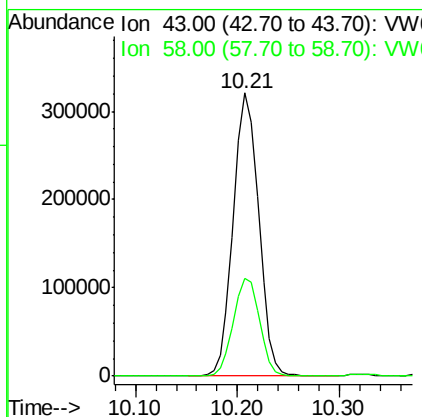
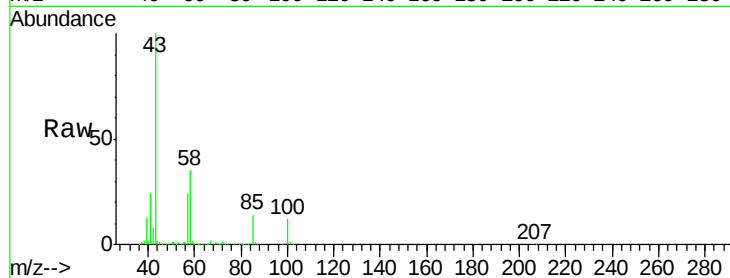
#51
4-Methyl-2-Pentanone
Concen: 291.337 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.4	42.6

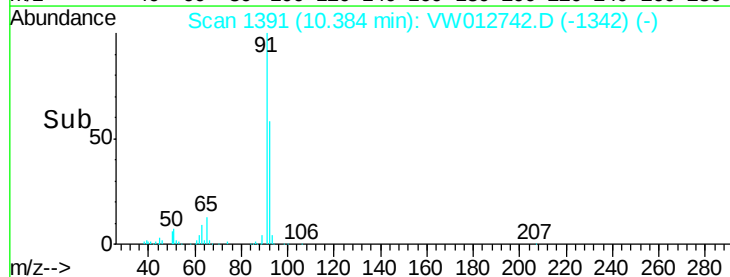
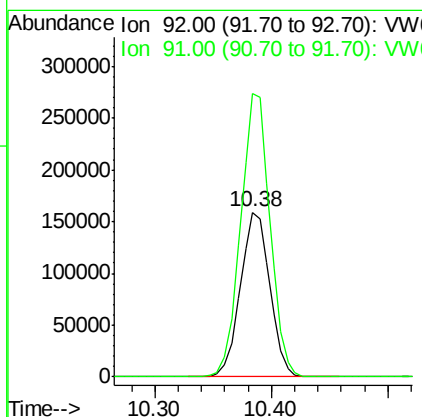
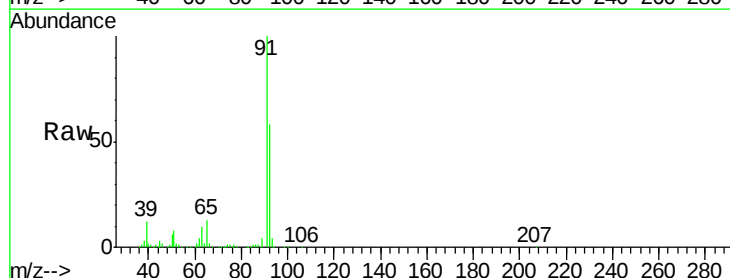
Manual Integrations
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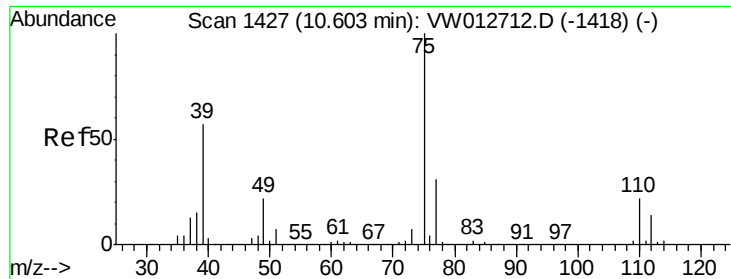
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#52
Toluene
Concen: 53.840 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.0	205.4





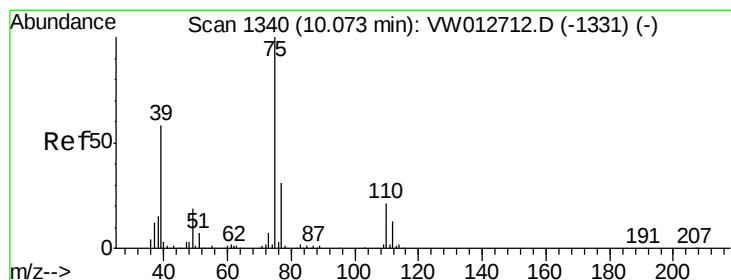
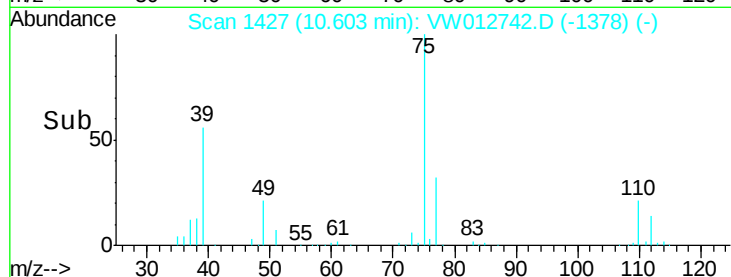
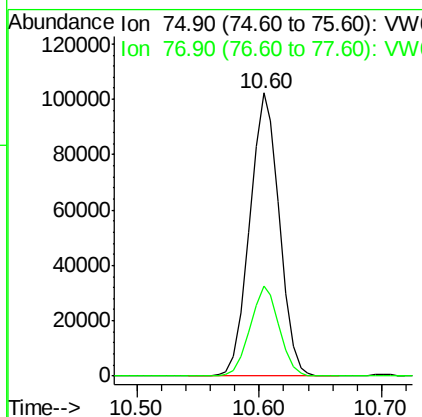
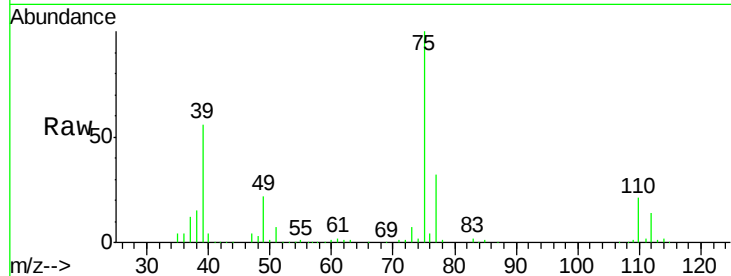
#53
t-1,3-Dichloropropene
Concen: 55.531 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.7	37.1

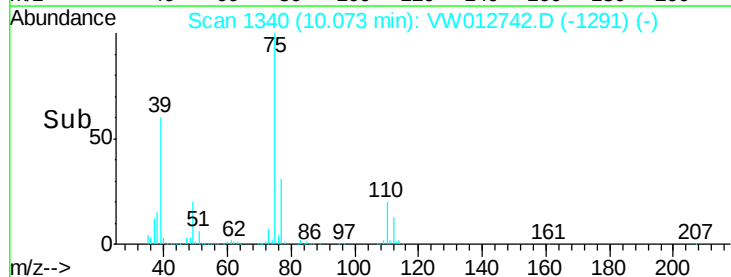
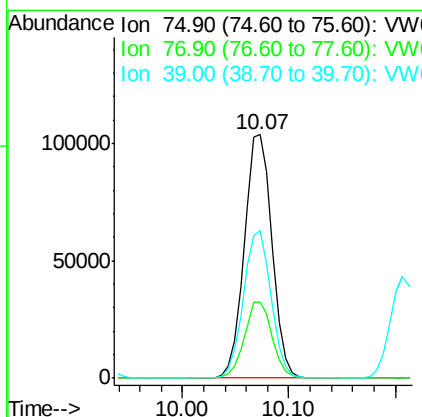
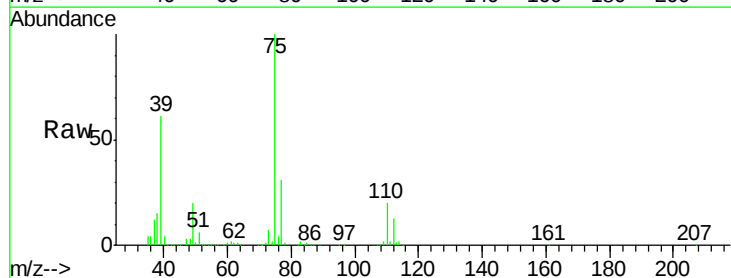
Manual Integrations
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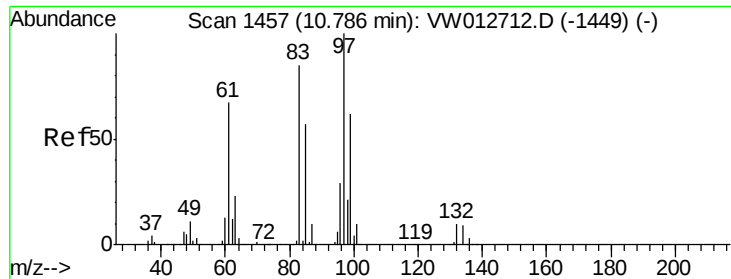
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#54
cis-1,3-Dichloropropene
Concen: 53.880 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	36.8
39	60.3	46.3	69.5





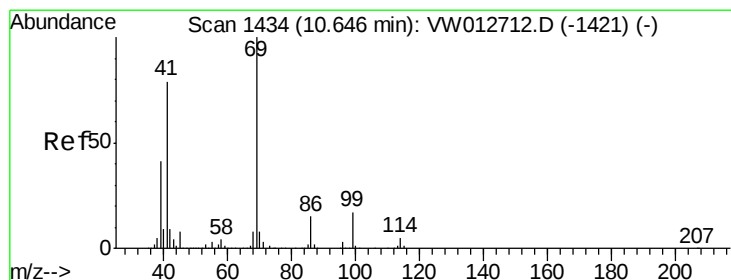
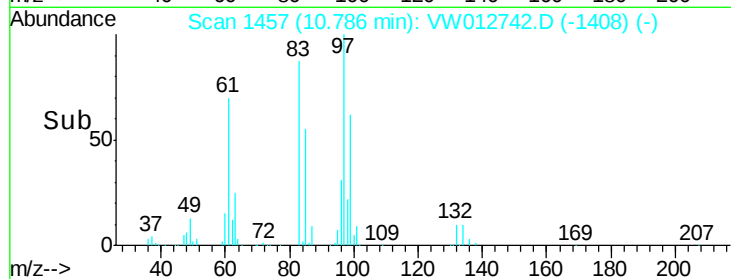
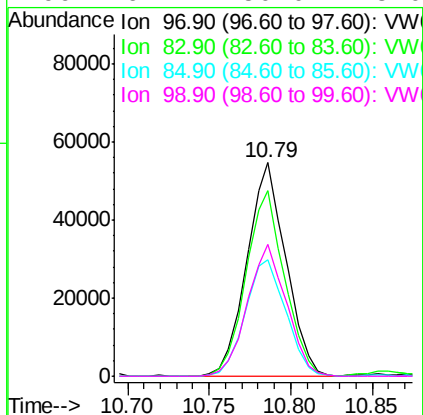
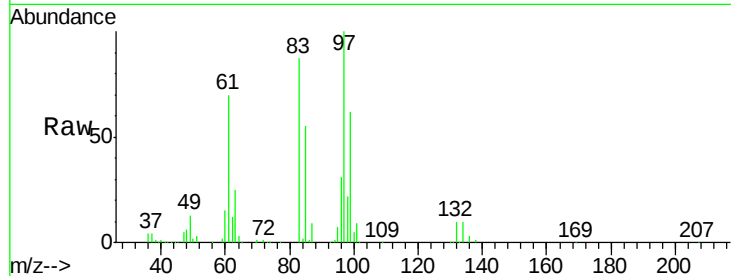
#55
 1,1,2-Trichloroethane
 Concen: 55.314 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	90767
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.1	102.1
85	54.5	45.3	67.9
99	61.7	50.0	75.0

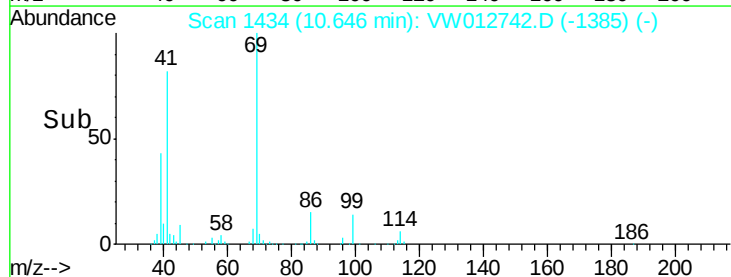
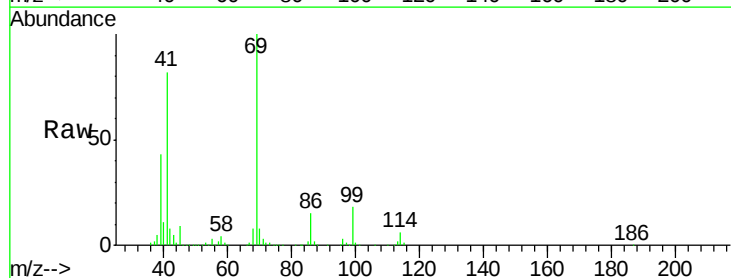
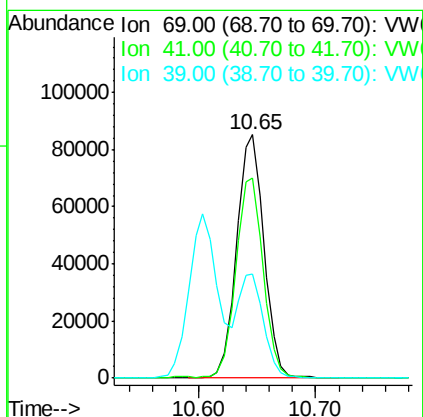
Manual Integrations
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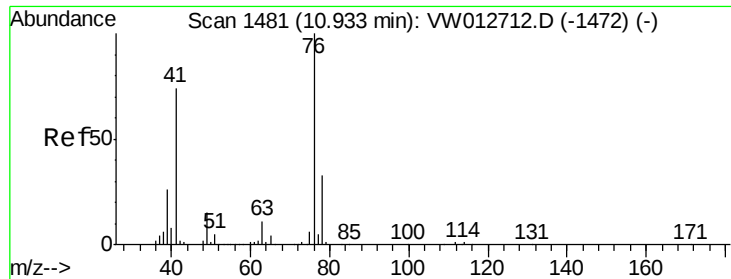
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#56
 Ethyl methacrylate
 Concen: 57.917 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion:	69	Resp:	139119
Ion	Ratio	Lower	Upper
69	100		
41	82.5	64.4	96.6
39	38.5	31.1	46.7





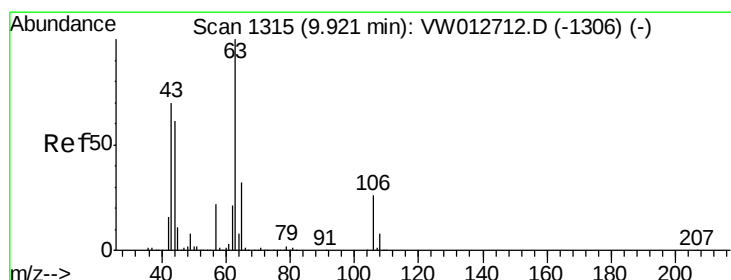
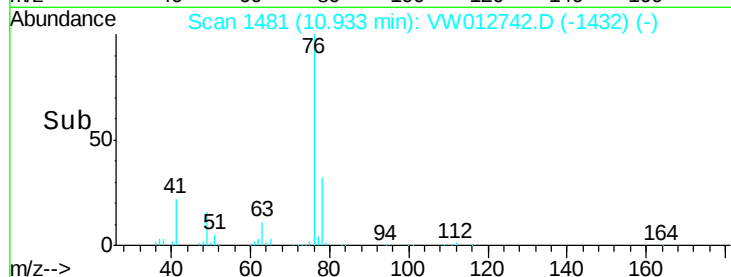
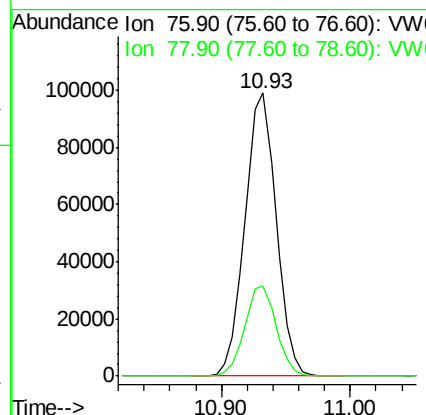
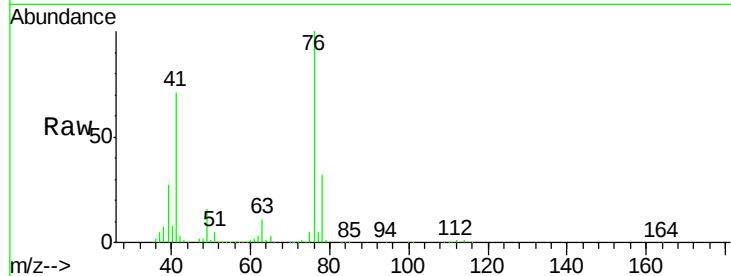
#57
 1,3-Dichloropropane
 Concen: 54.705 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 166071
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

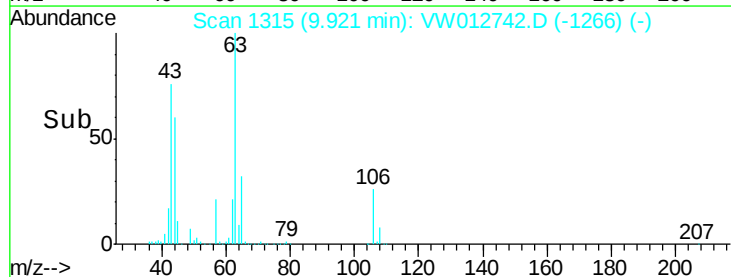
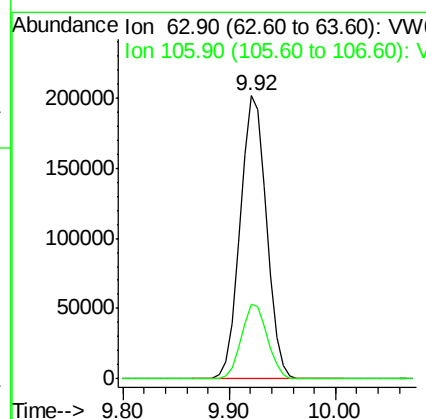
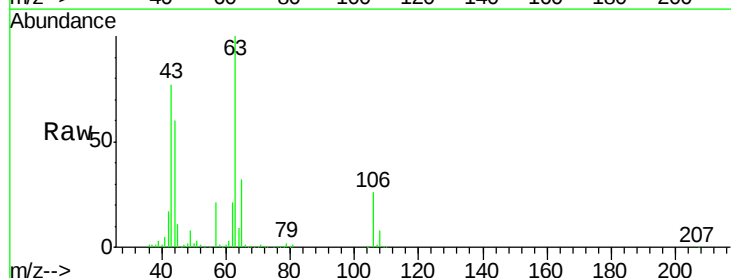
Manual Integrations
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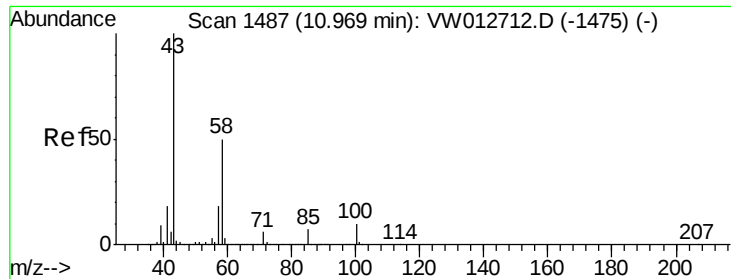
MMDadoda
 9/10/2019 1:03:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.928 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion: 63 Resp: 350587
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.5 30.7





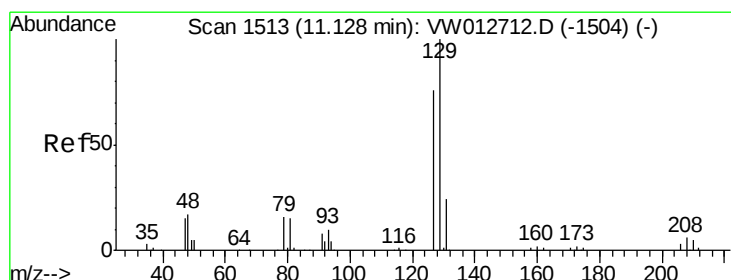
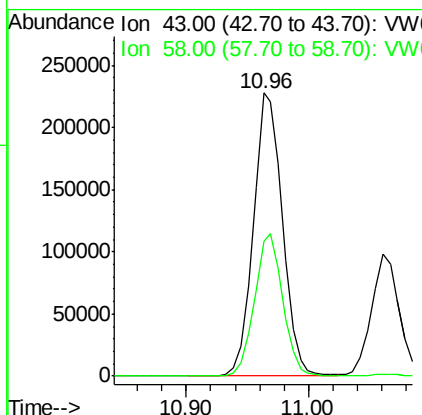
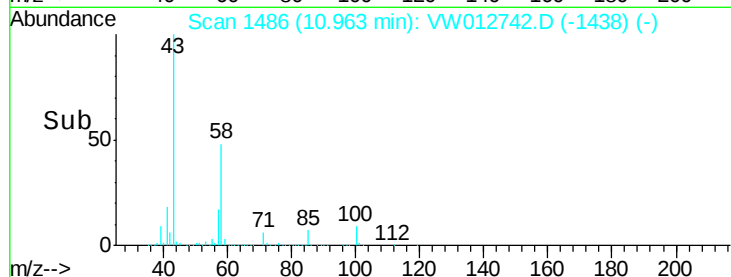
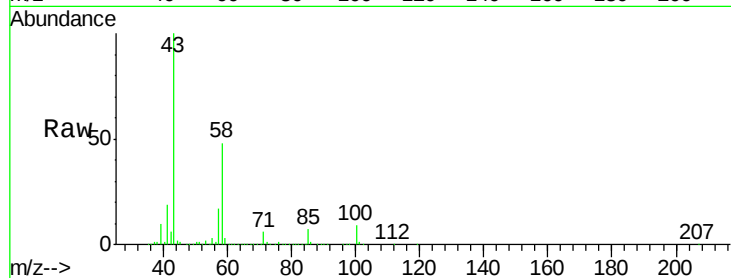
#59
2-Hexanone
Concen: 270.231 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 376336
Ion Ratio Lower Upper
43 100
58 49.0 24.7 74.1

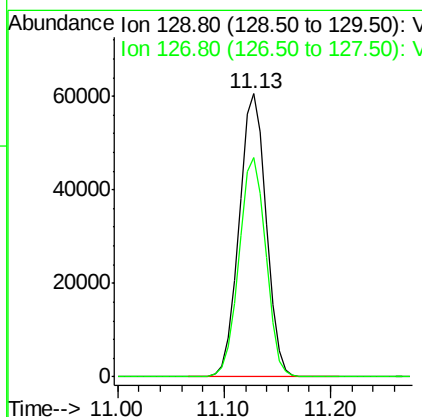
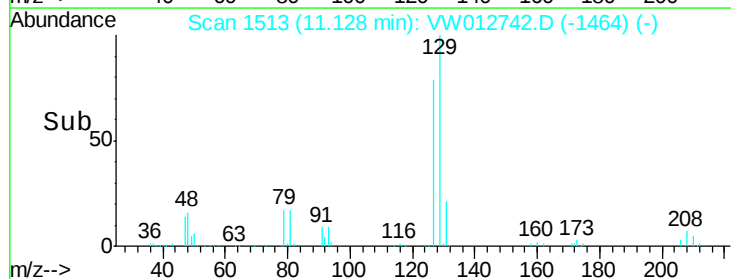
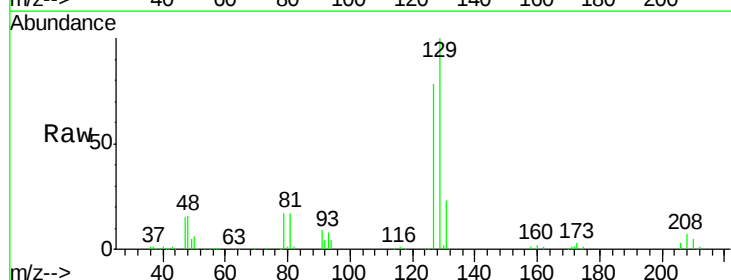
Manual Integrations
APPROVED

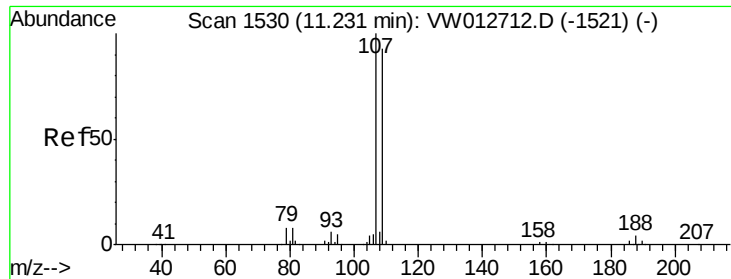
MMDadoda
9/10/2019 1:03:10 PM



#60
Dibromochloromethane
Concen: 55.954 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion: 129 Resp: 107985
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





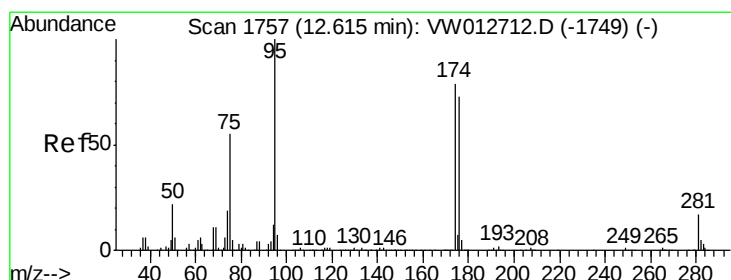
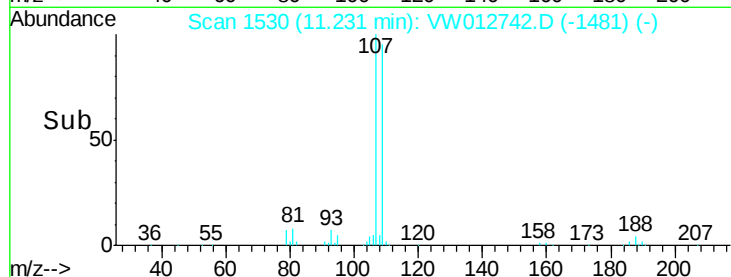
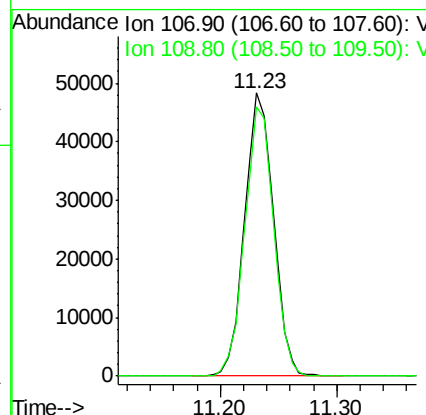
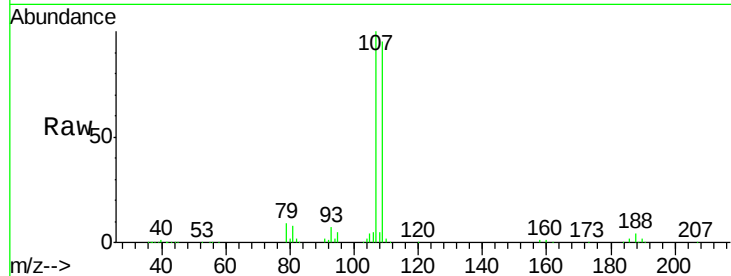
#61
 1,2-Dibromoethane
 Concen: 55.856 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.0	112.6

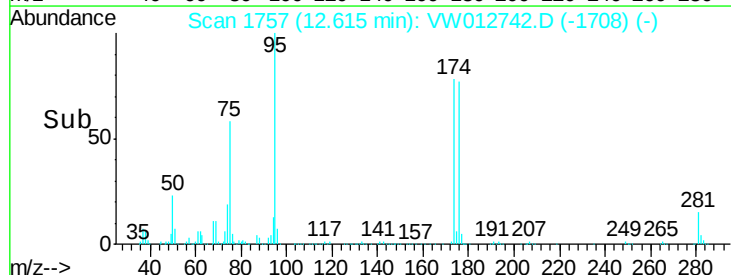
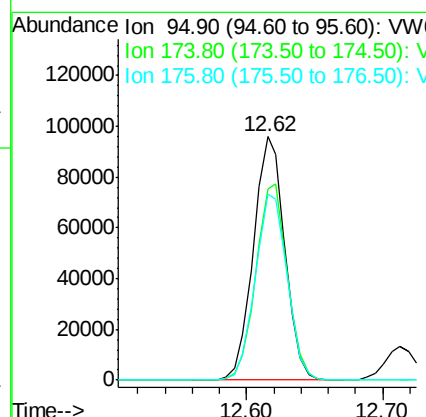
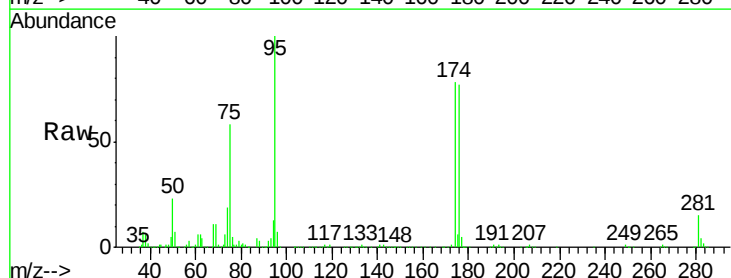
Manual Integrations
 APPROVED

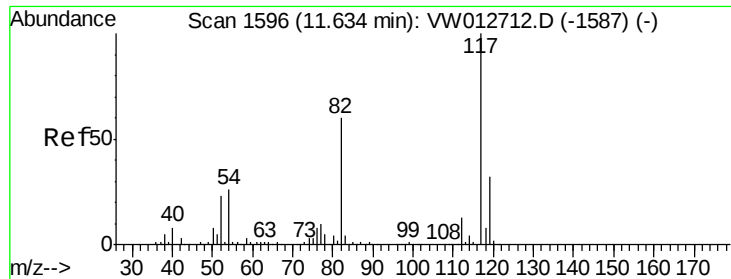
MMDadoda
 9/10/2019 1:03:10 PM



#62
 4-Bromofluorobenzene
 Concen: 54.070 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	161.0
176	78.2	0.0	156.4





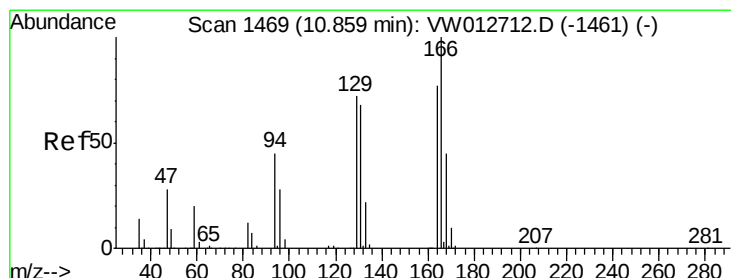
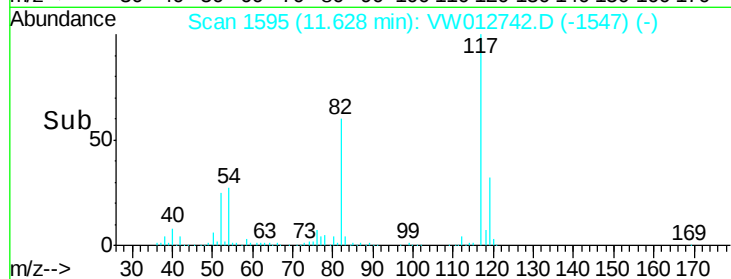
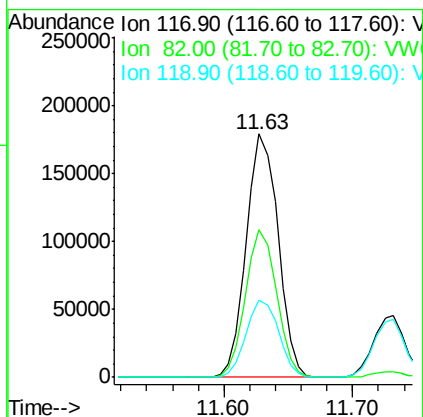
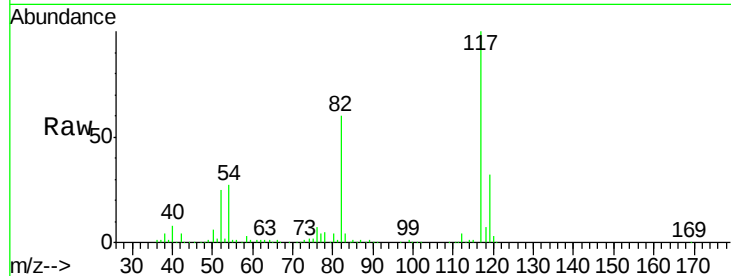
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306603		
82	60.4	48.2	72.4	
119	31.5	25.8	38.6	

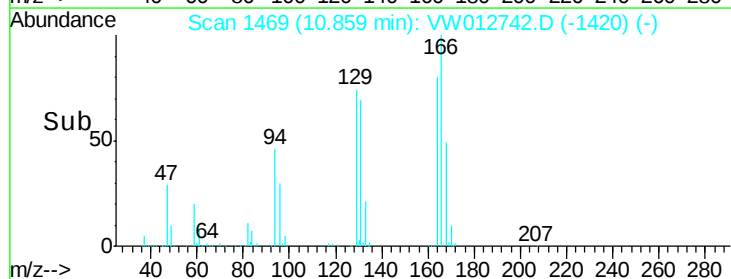
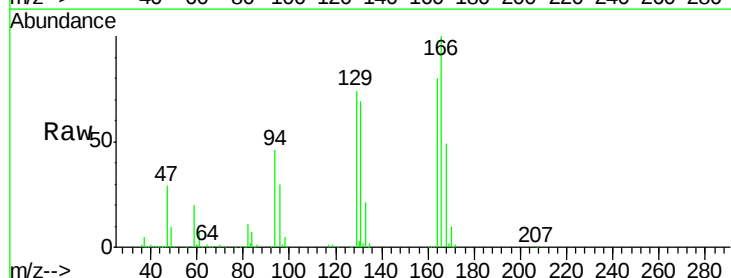
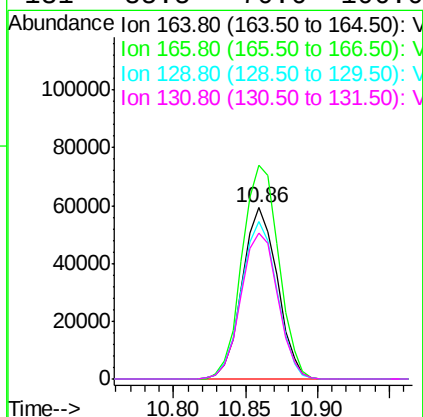
Manual Integrations
APPROVED

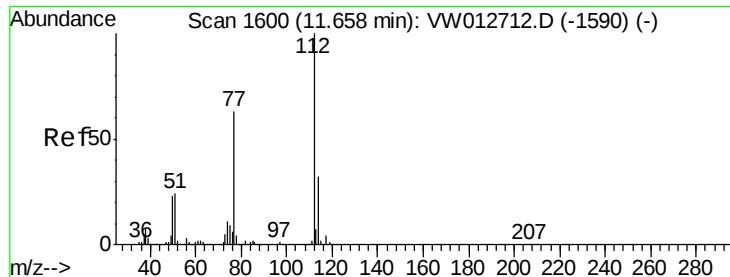
MMDadoda
9/10/2019 1:03:10 PM



#64
Tetrachloroethene
Concen: 53.957 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100382		
166	124.8	103.6	155.4	
129	91.8	74.6	112.0	
131	85.5	70.6	106.0	





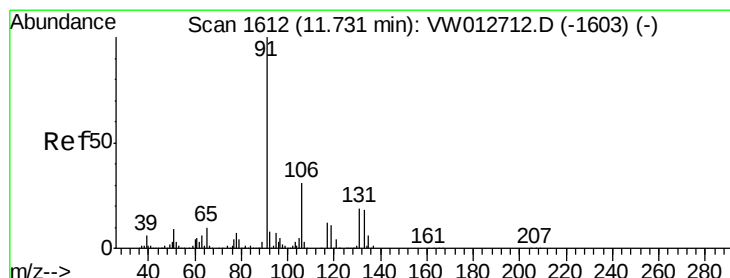
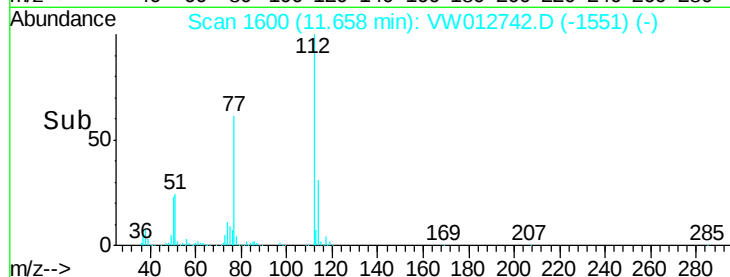
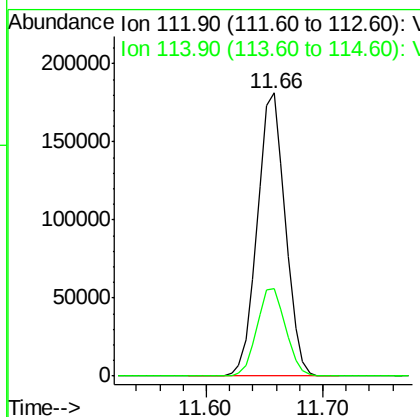
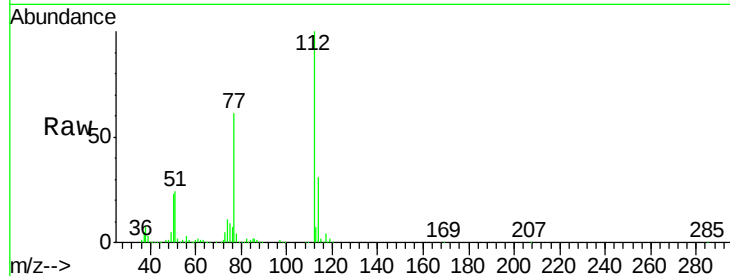
#65
Chlorobenzene
Concen: 52.095 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.3	37.9

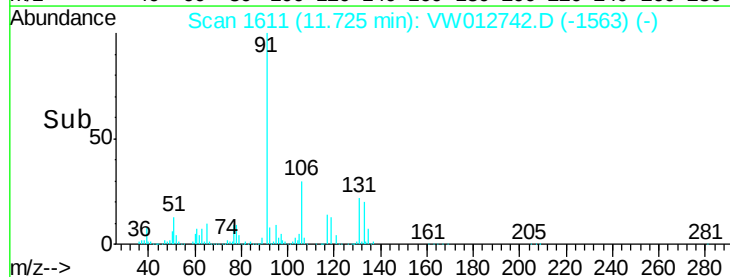
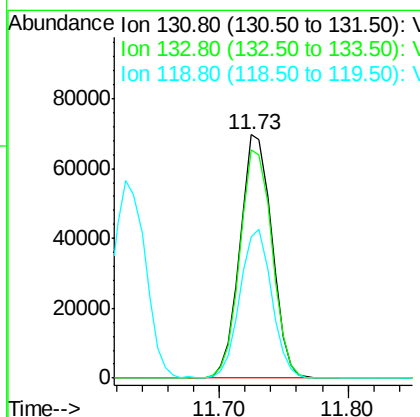
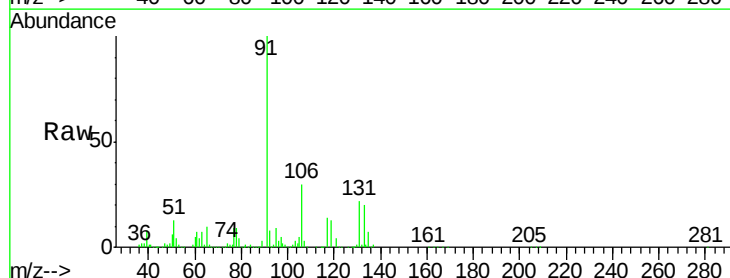
Manual Integrations
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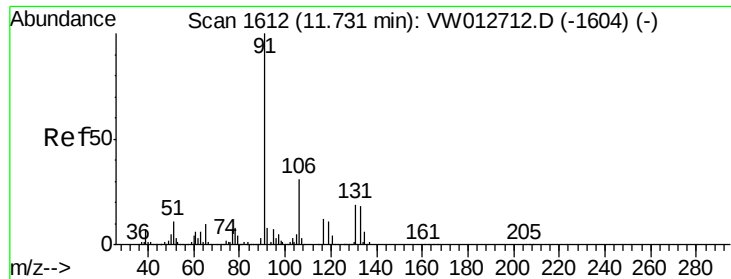
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.255 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.6	142.8
119	61.0	30.6	92.0





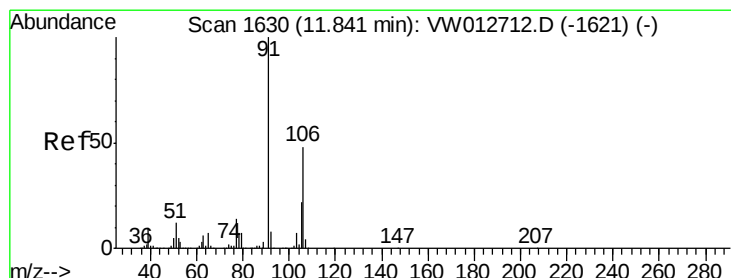
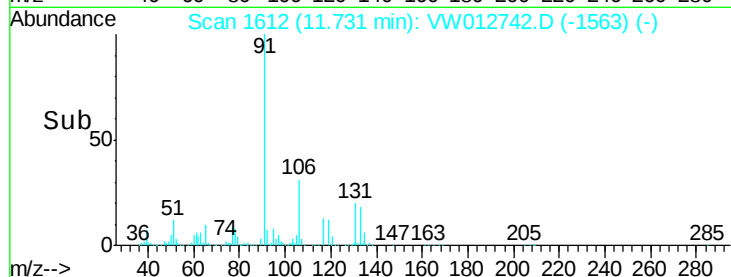
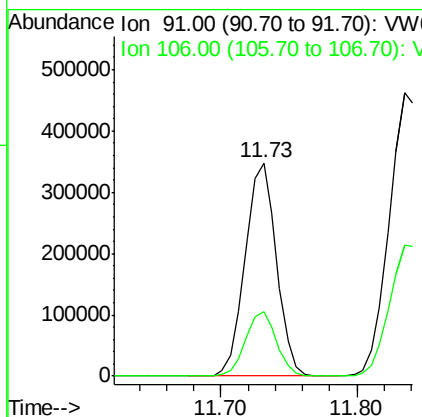
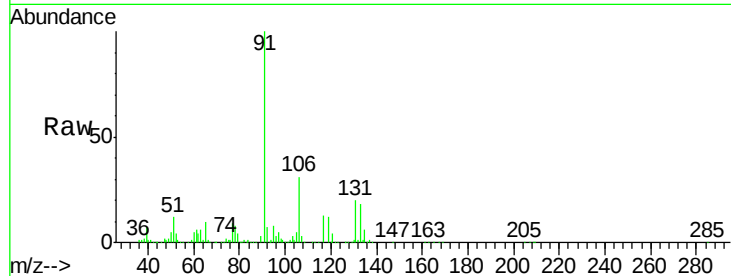
#67
Ethyl Benzene
Concen: 51.613 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.4	36.6

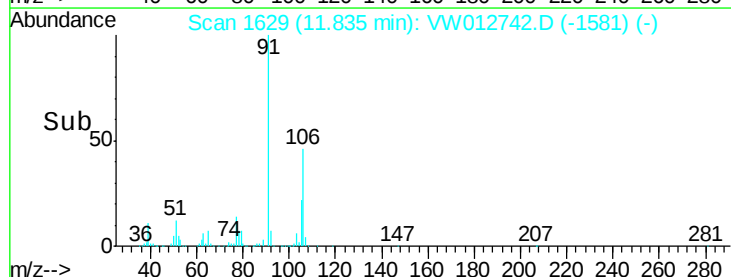
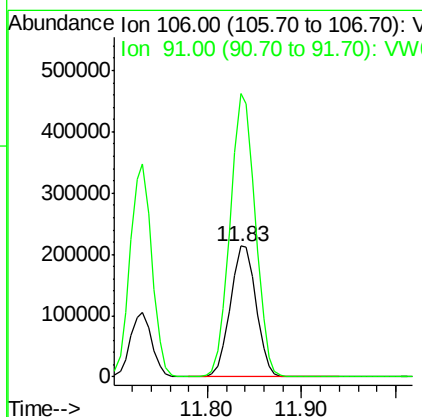
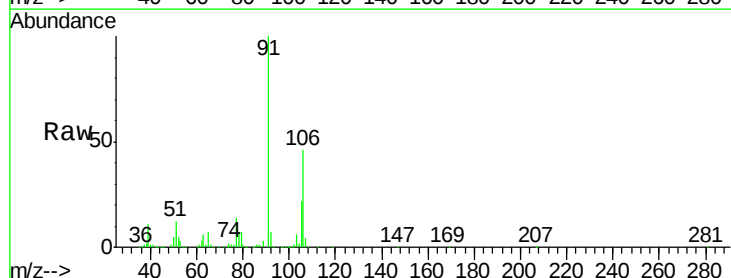
Manual Integrations
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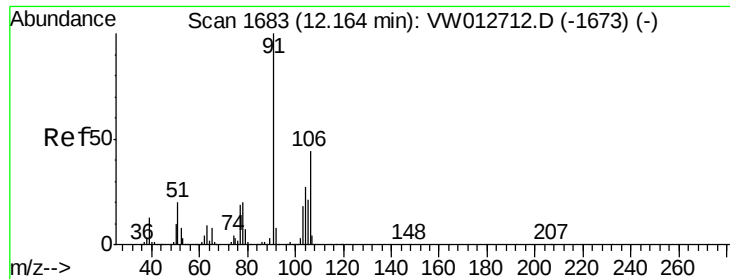
MMDadoda
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#68
m/p-Xylenes
Concen: 103.149 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.7	168.2	252.4





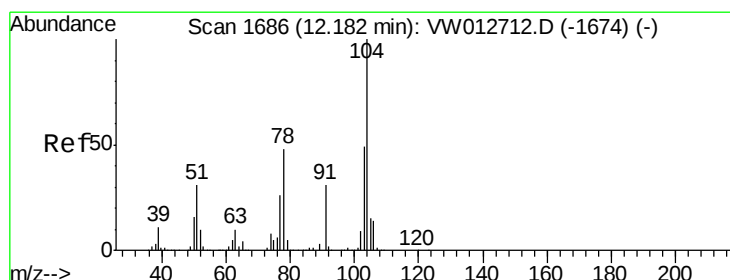
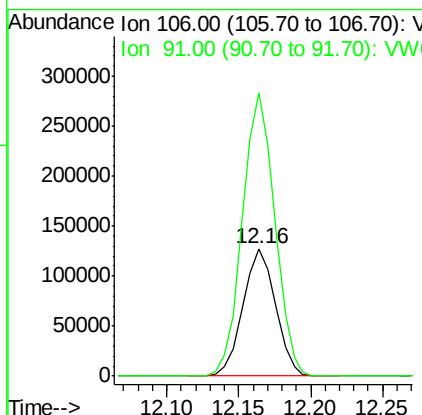
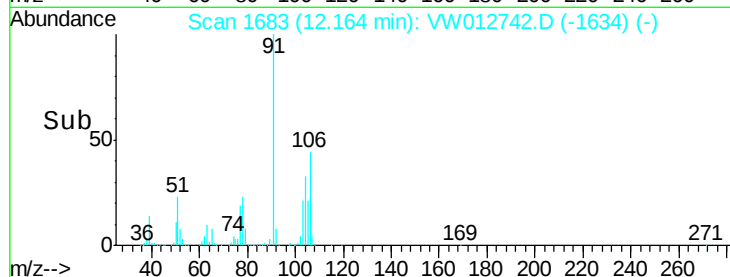
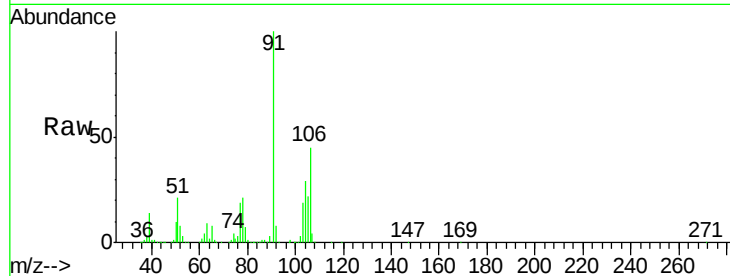
#69
o-Xylene
Concen: 53.766 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.6	112.3	336.8

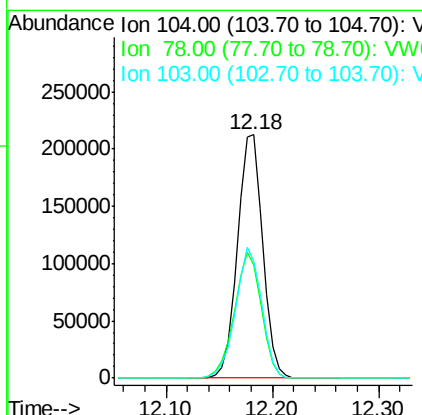
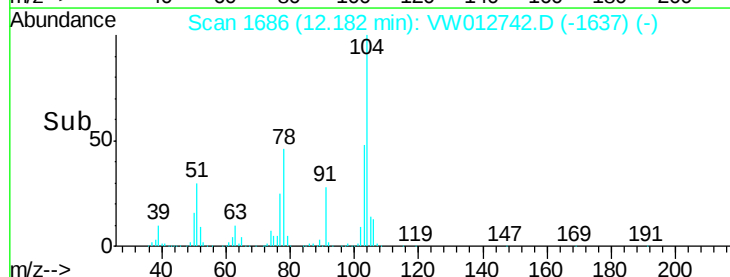
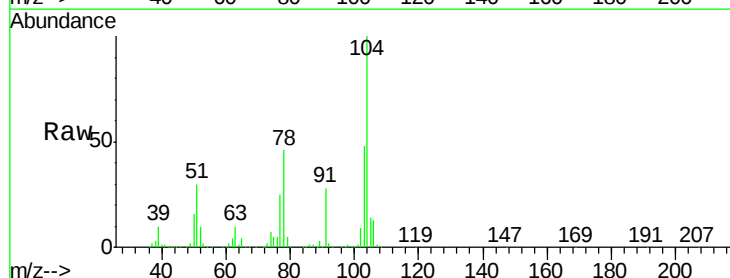
Manual Integrations
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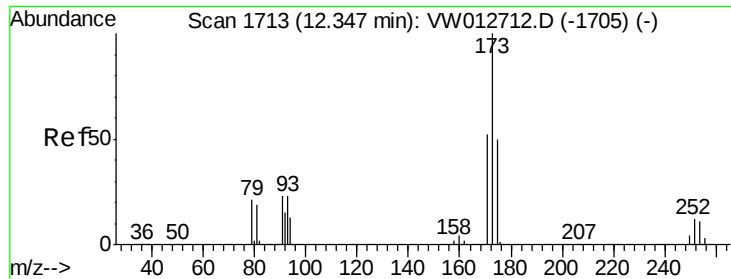
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#70
Styrene
Concen: 54.321 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.3	64.9
103	55.3	44.0	66.0





#71

Bromoform

Concen: 55.404 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 66428

Ion Ratio Lower Upper

173 100

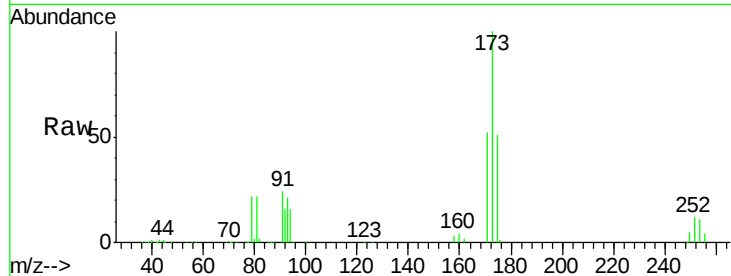
175 48.5 24.8 74.3

254 0.1 0.1 0.1#

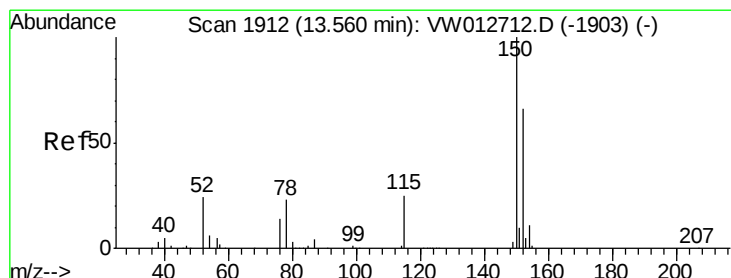
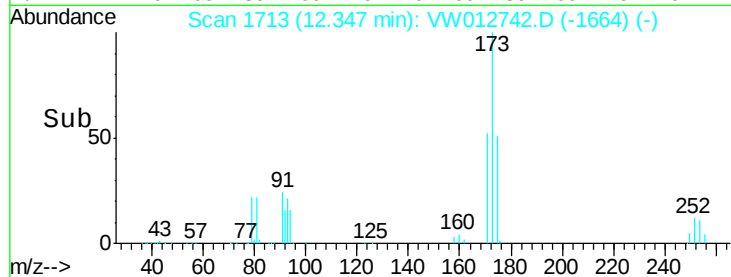
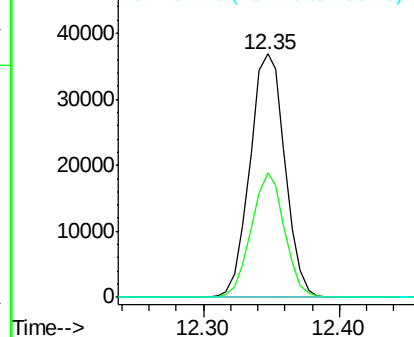
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

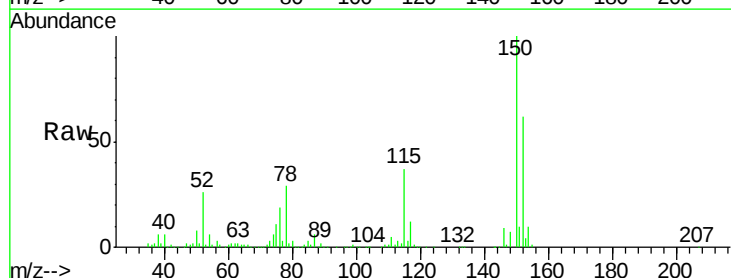
Tgt Ion:152 Resp: 148984

Ion Ratio Lower Upper

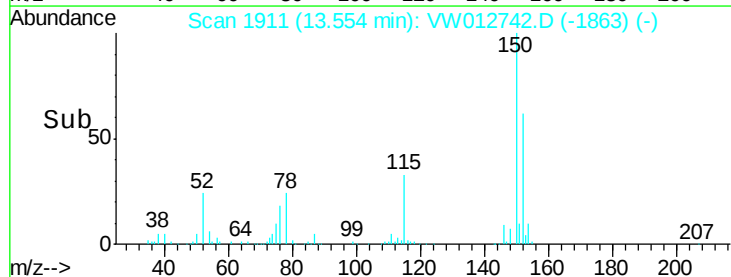
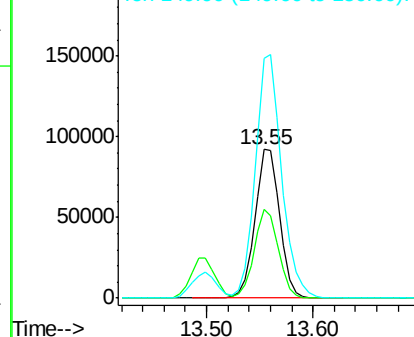
152 100

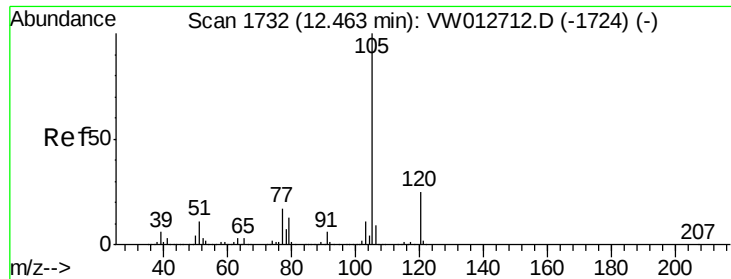
115 58.5 30.0 90.1

150 175.0 0.0 349.0



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





#73

Isopropylbenzene

Concen: 51.200 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 547097

Ion Ratio Lower Upper

105 100

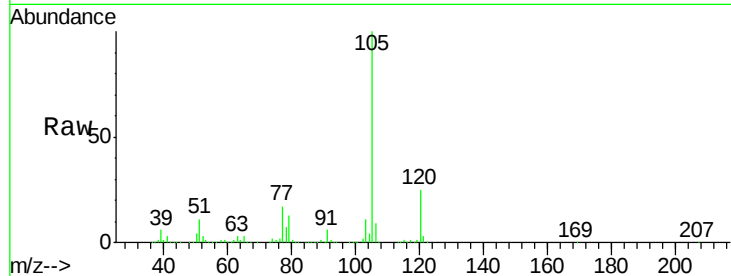
120 25.4 13.0 38.9

Manual Integrations

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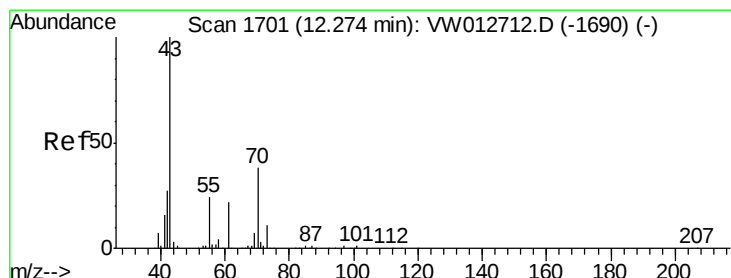
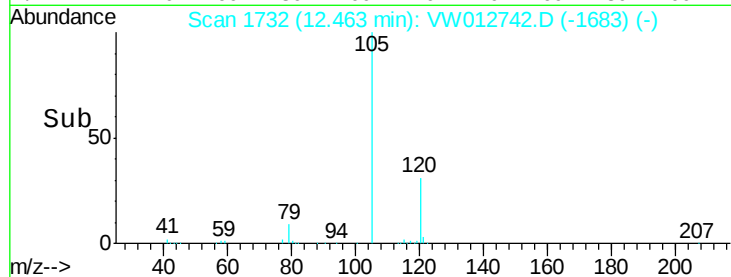
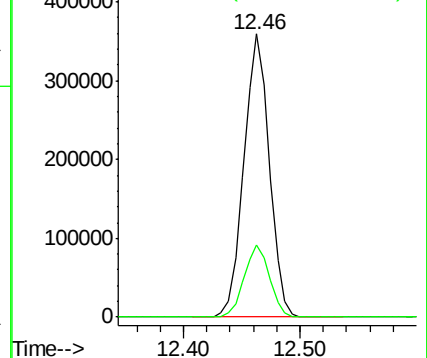
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.780 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Tgt Ion: 43 Resp: 168843

Ion Ratio Lower Upper

43 100

70 36.9 29.4 44.0

55 23.6 18.6 27.8

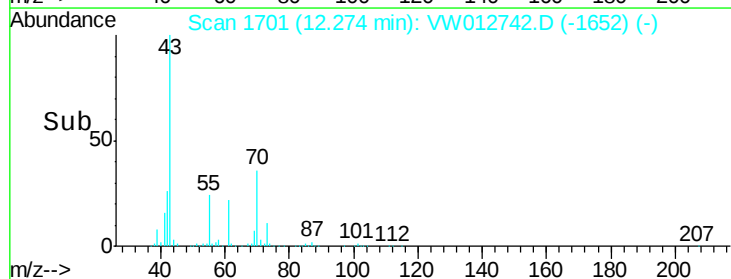
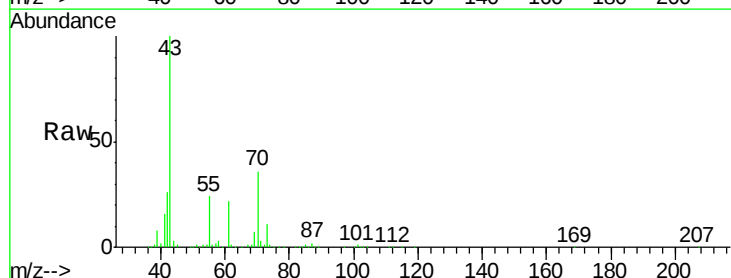
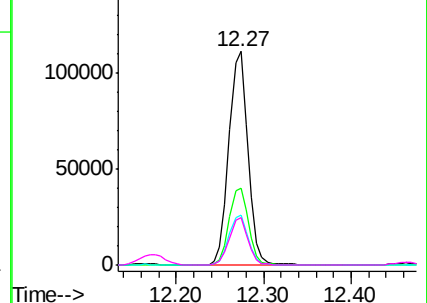
61 21.6 17.8 26.6

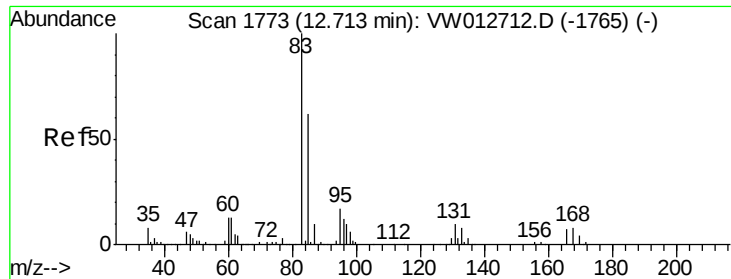
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 55.017 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

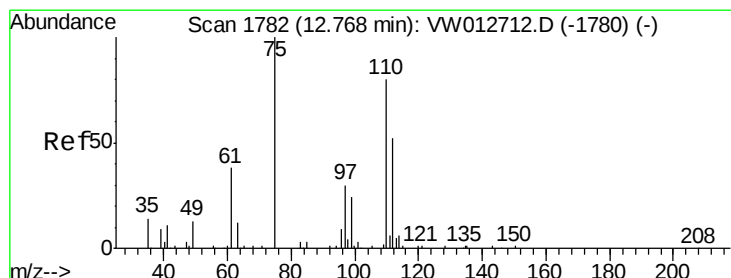
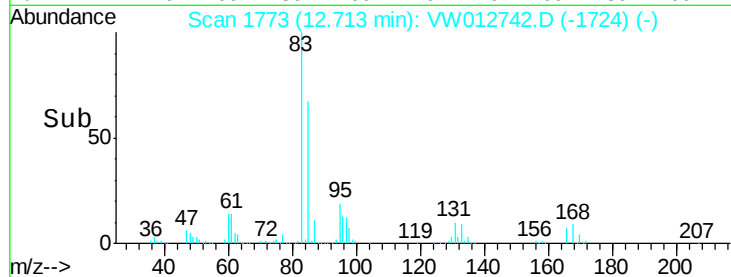
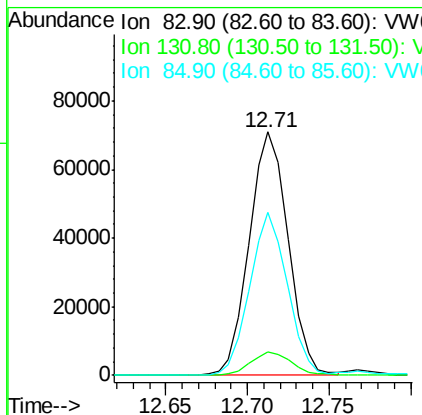
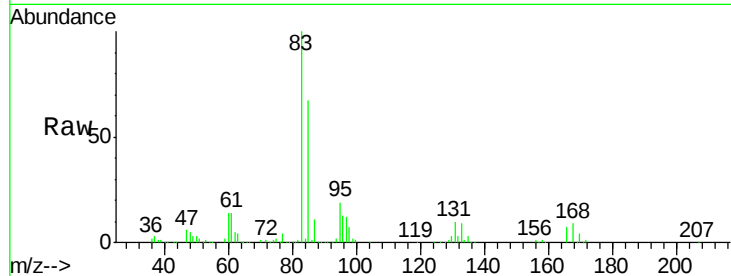
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	118064
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	64.5	31.4	94.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.310 ug/l m

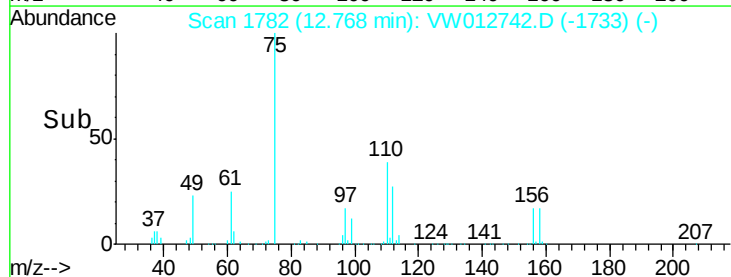
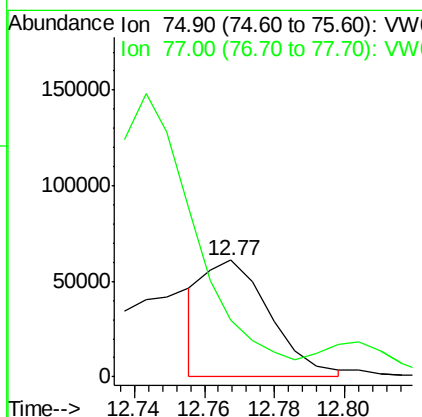
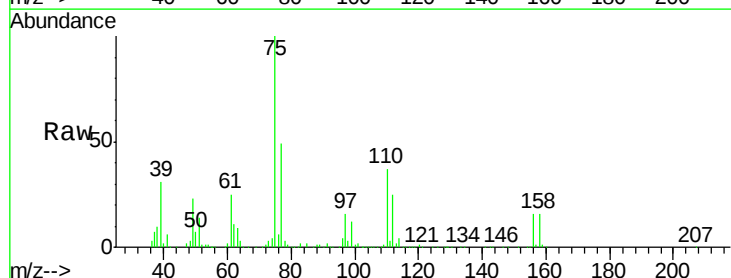
RT: 12.77 min Scan# 1782

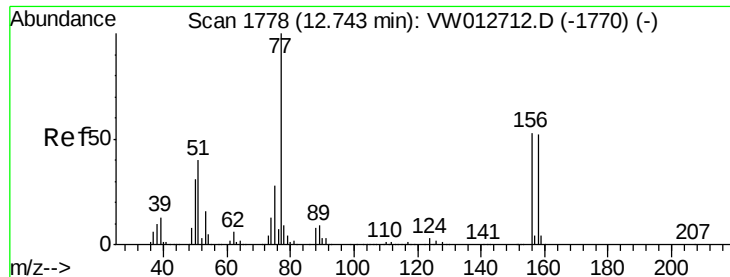
Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Tgt Ion:	75	Resp:	79691
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.434 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 131779

Ion Ratio Lower Upper

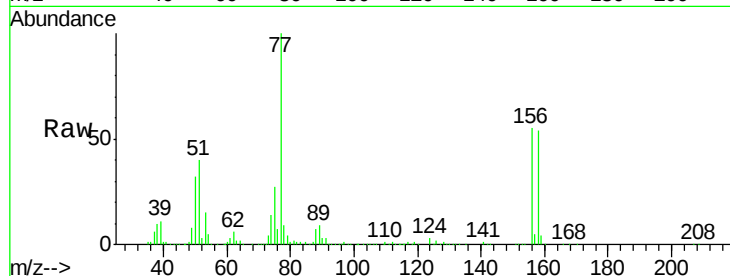
156 100

77 203.4 102.3 306.9

158 97.9 48.9 146.8

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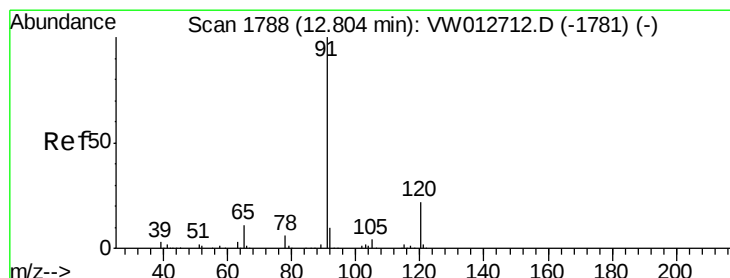
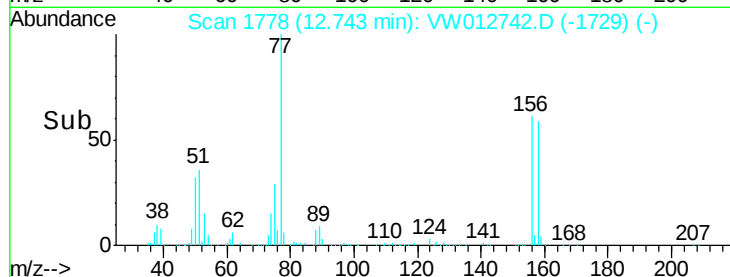
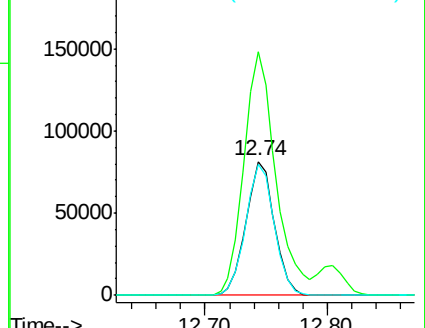
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.279 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012742.D

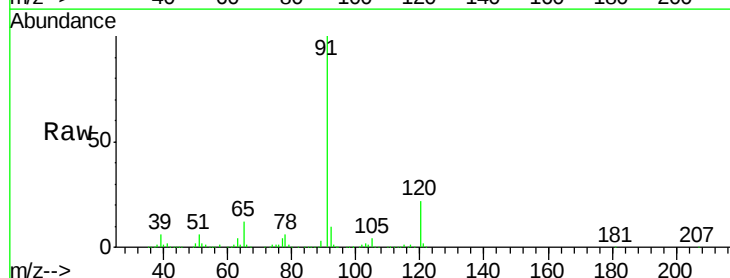
Acq: 08 Sep 2019 01:56

Tgt Ion: 91 Resp: 668119

Ion Ratio Lower Upper

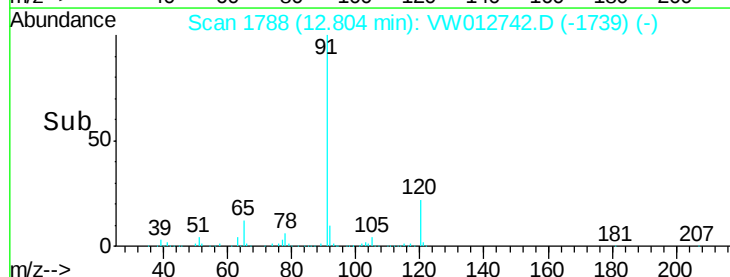
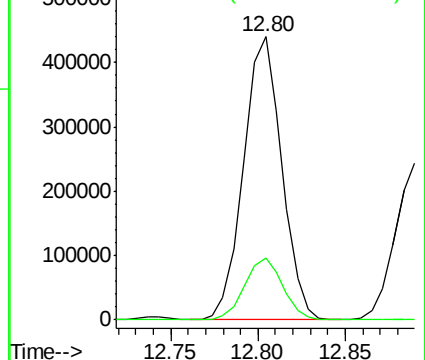
91 100

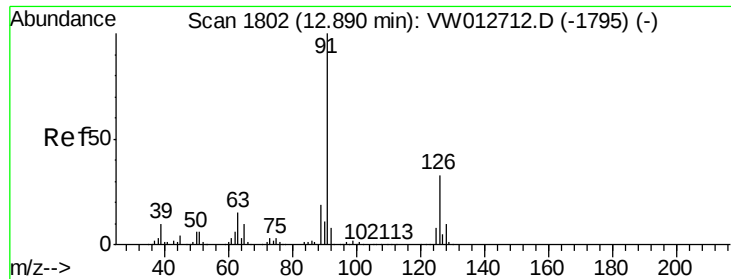
120 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.018 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 388971

Ion Ratio Lower Upper

91 100

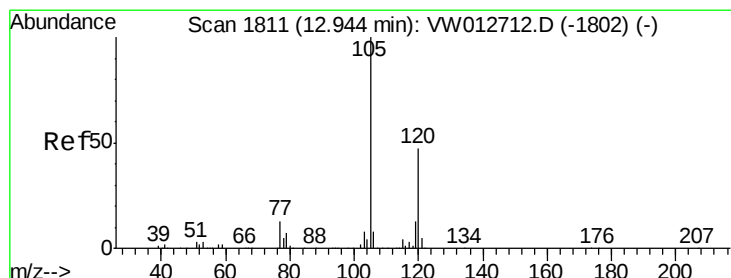
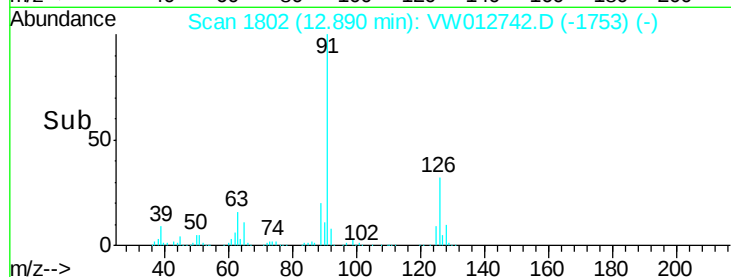
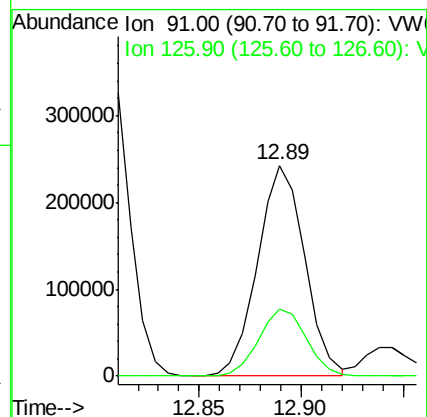
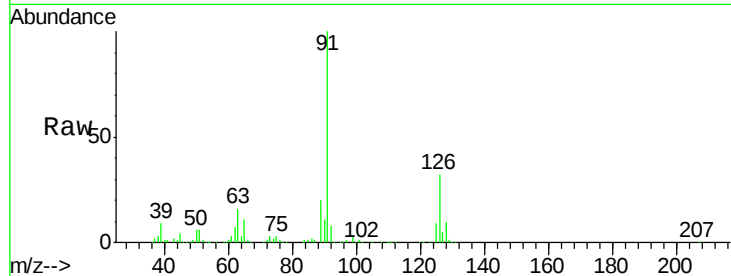
126 32.3 16.1 48.3

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#80

1,3,5-Trimethylbenzene

Concen: 53.783 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012742.D

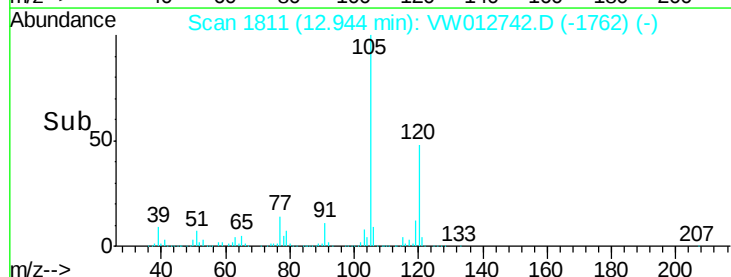
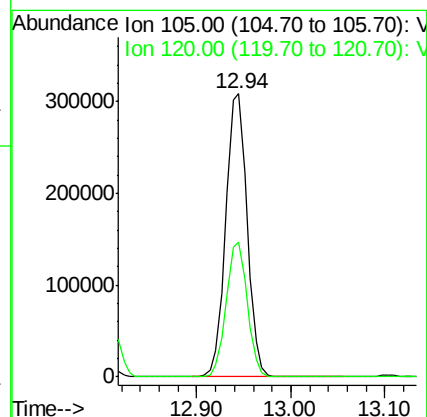
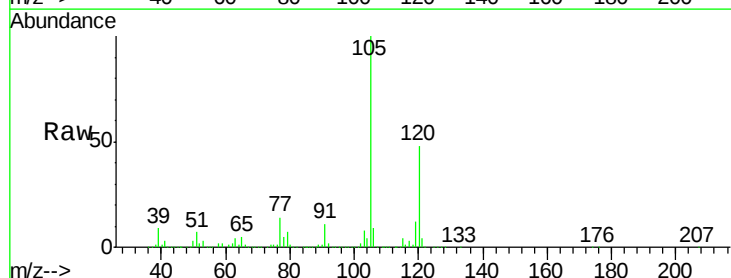
Acq: 08 Sep 2019 01:56

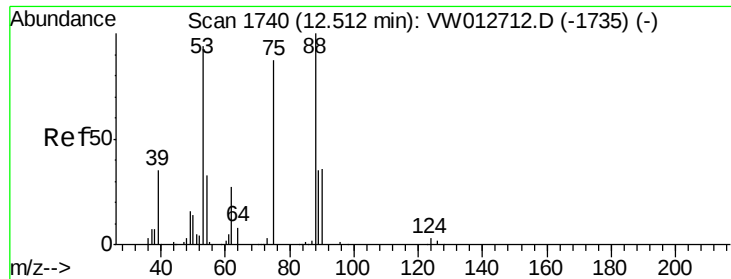
Tgt Ion: 105 Resp: 484264

Ion Ratio Lower Upper

105 100

120 47.1 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.746 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Instrument :

MSVOA_W

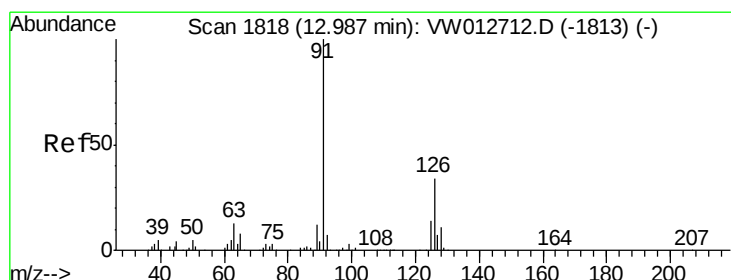
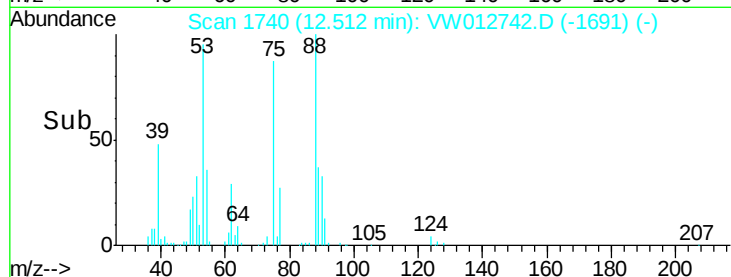
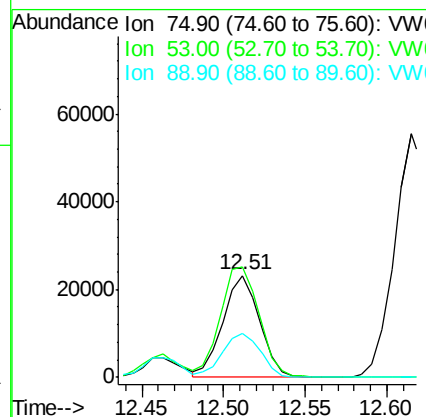
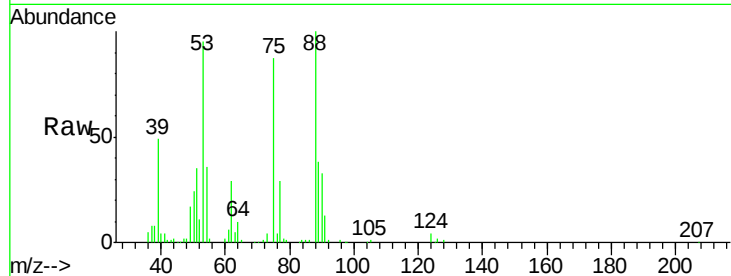
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	35831
Ion	Ratio	Lower	Upper
75	100		
53	117.3	87.6	131.4
89	45.0	35.5	53.3

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#82

4-Chlorotoluene

Concen: 53.521 ug/l

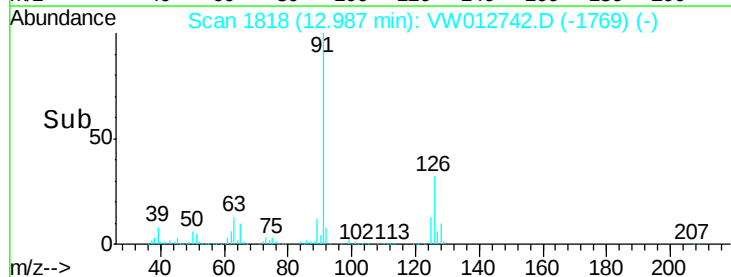
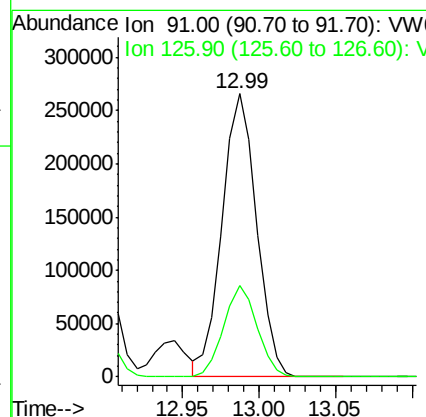
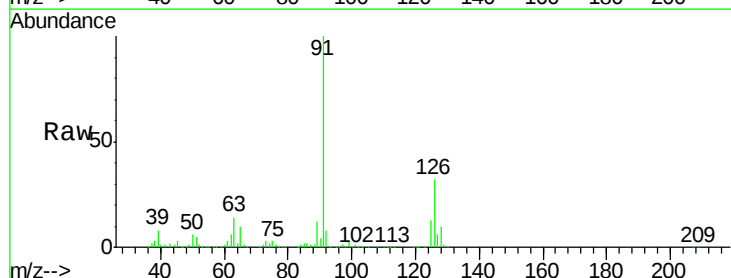
RT: 12.99 min Scan# 1818

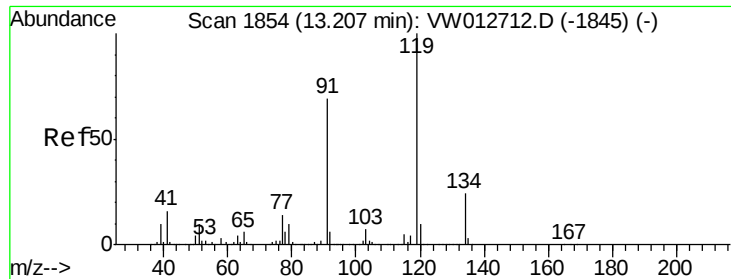
Delta R.T. -0.00 min

Lab File: VW012742.D

Acq: 08 Sep 2019 01:56

Tgt Ion:	91	Resp:	415346
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.6





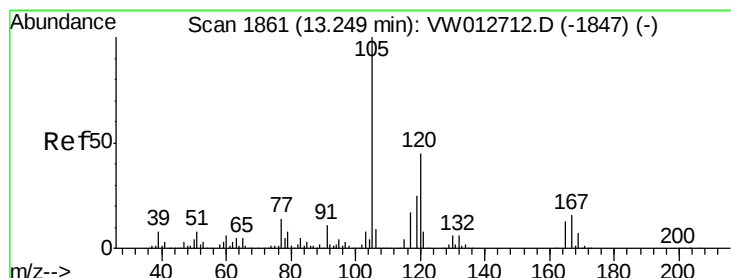
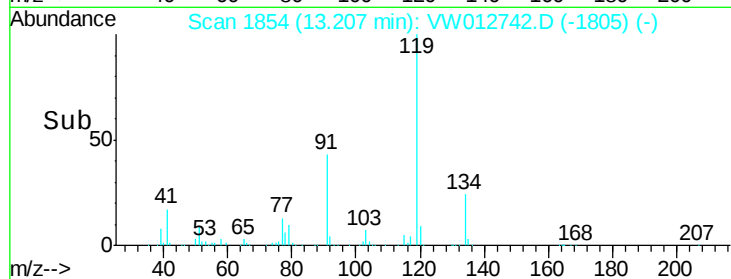
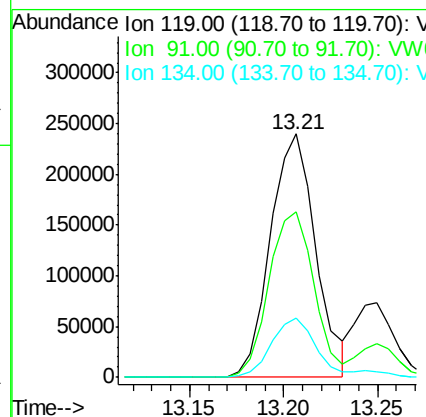
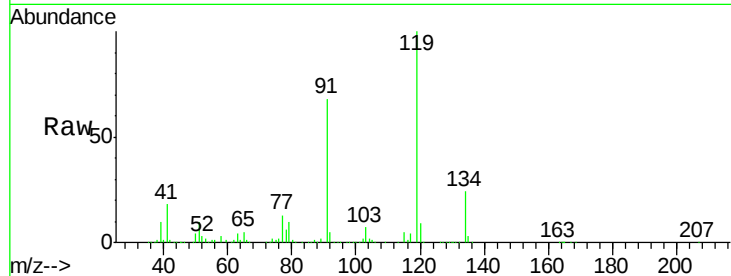
#83
tert-Butylbenzene
Concen: 50.206 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	399715		
91	67.9		34.2	102.5
134	24.0		12.3	36.9

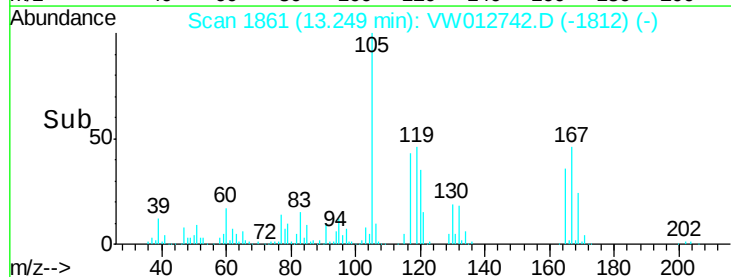
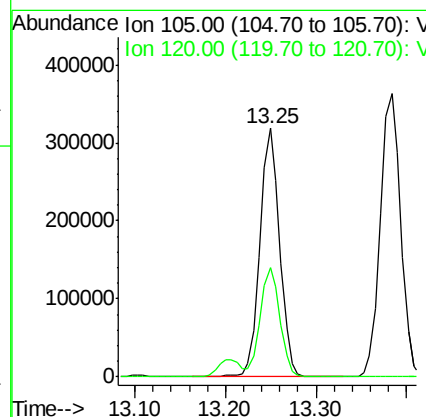
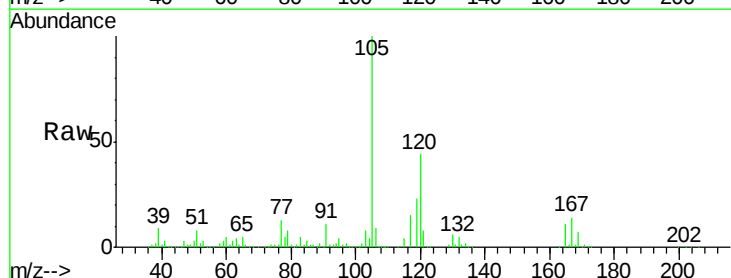
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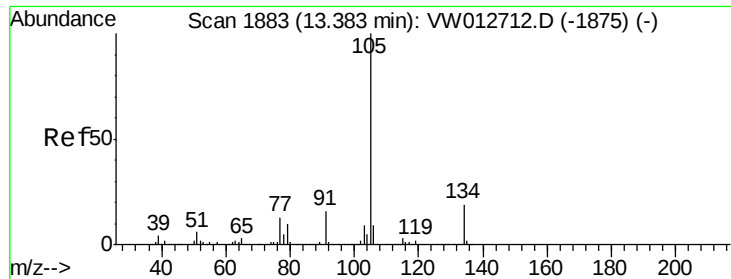
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#84
1,2,4-Trimethylbenzene
Concen: 52.842 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	479421		
120	43.5		22.1	66.3





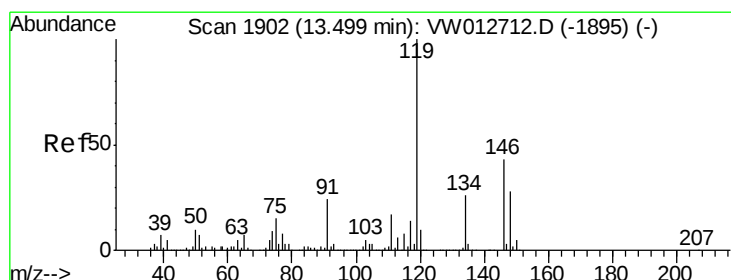
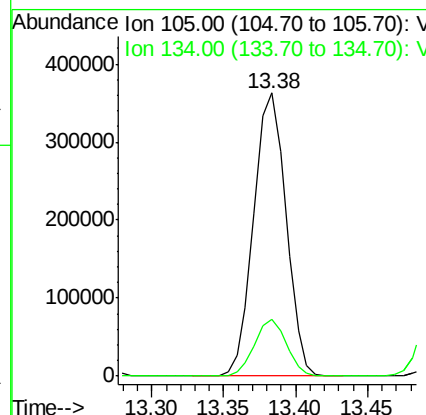
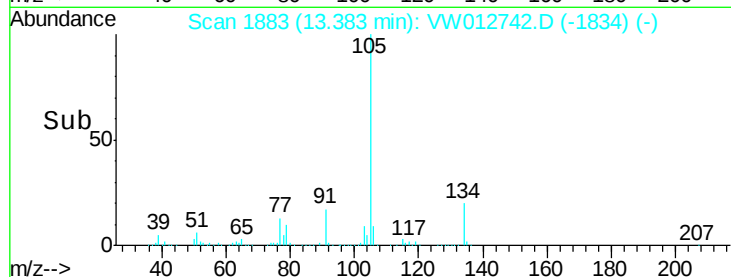
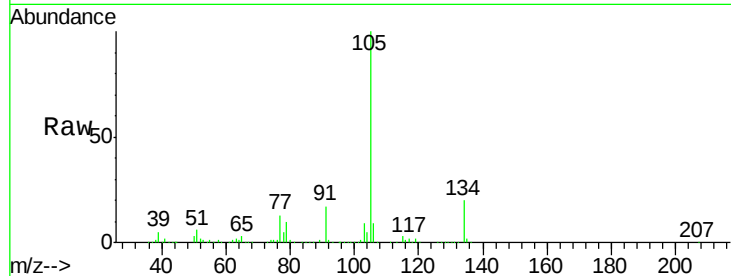
#85
 sec-Butylbenzene
 Concen: 51.125 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	564808		
134	19.6	9.8	29.3	

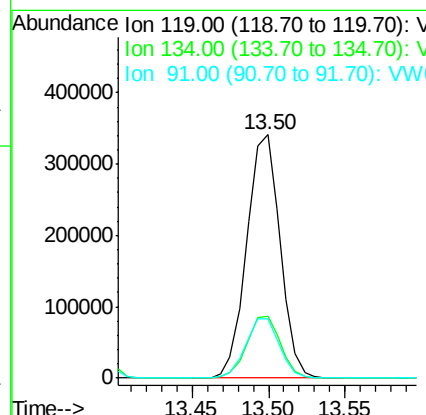
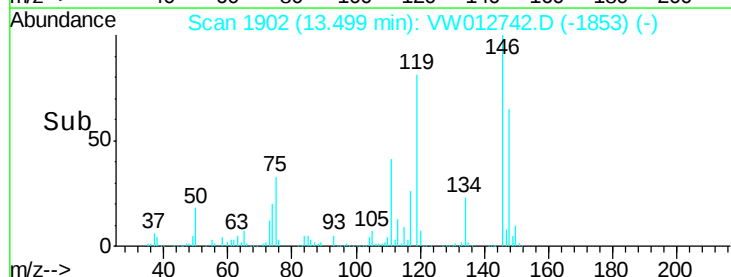
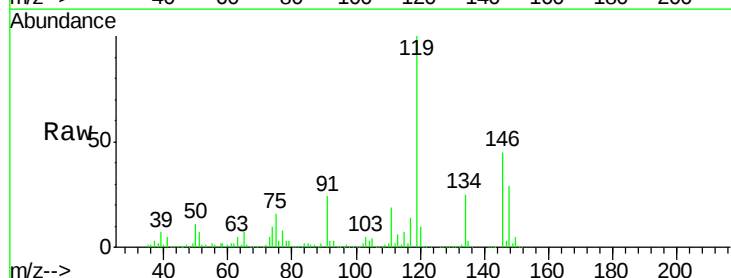
Manual Integrations
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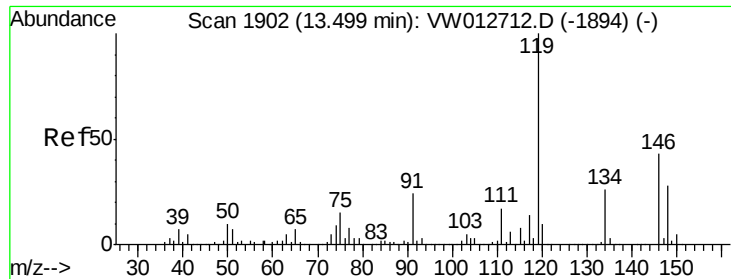
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#86
 p-Isopropyltoluene
 Concen: 51.064 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	515291		
134	25.8	12.7	38.1	
91	24.8	12.2	36.6	





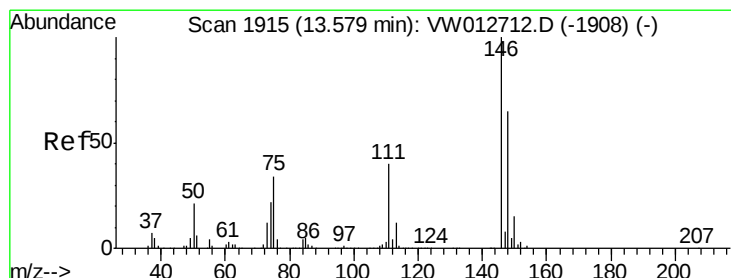
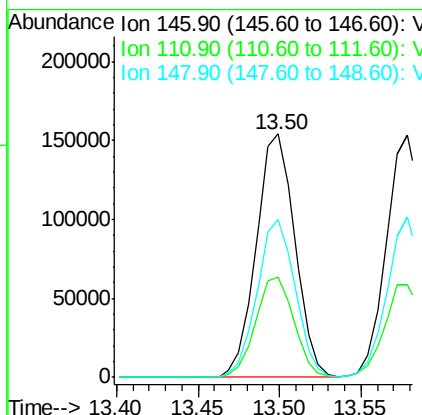
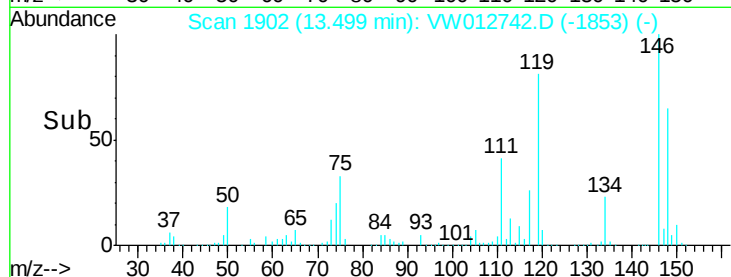
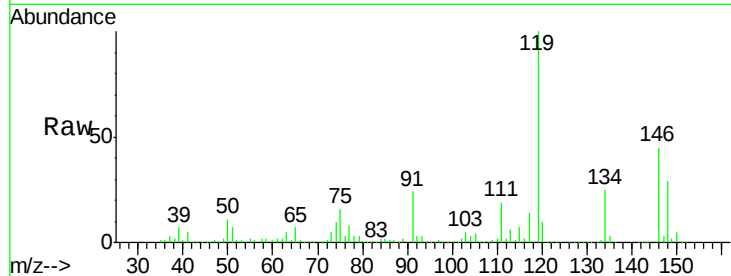
#87
 1,3-Dichlorobenzene
 Concen: 53.243 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.2
148	63.7	31.8	95.4

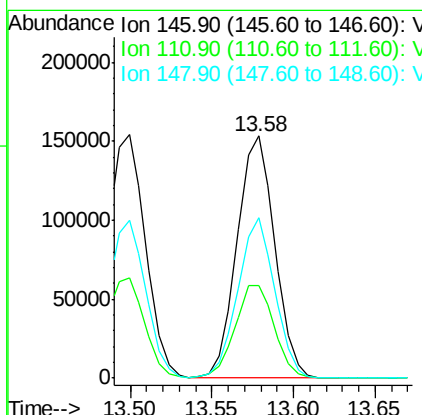
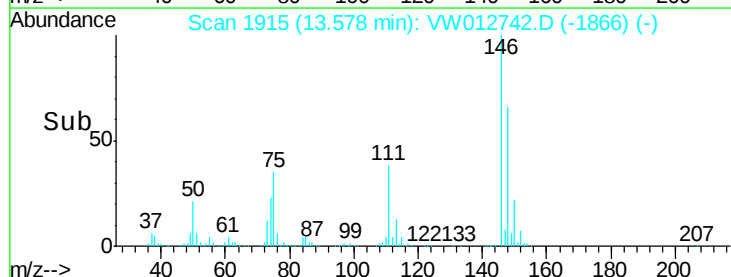
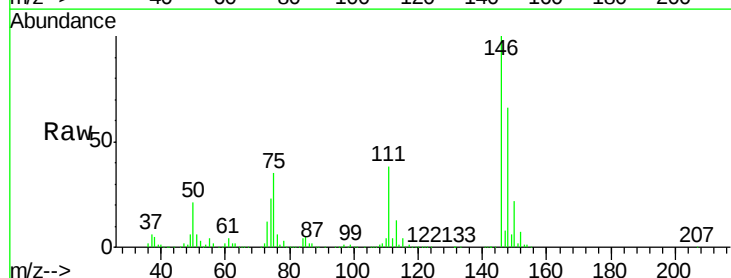
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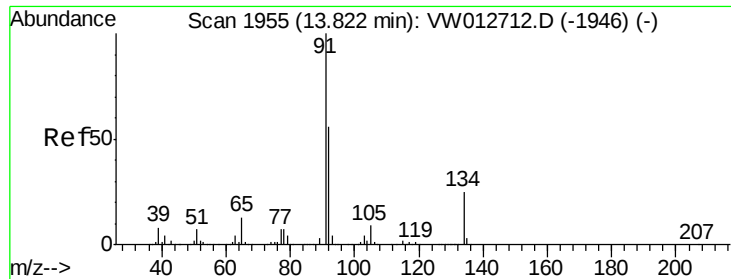
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#88
 1,4-Dichlorobenzene
 Concen: 52.214 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.9	32.2	96.6





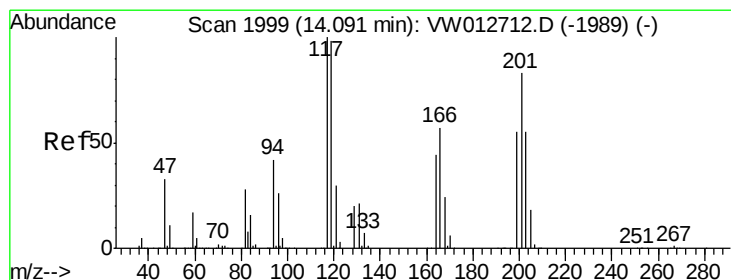
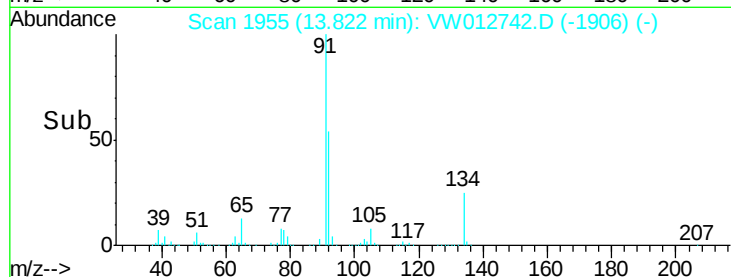
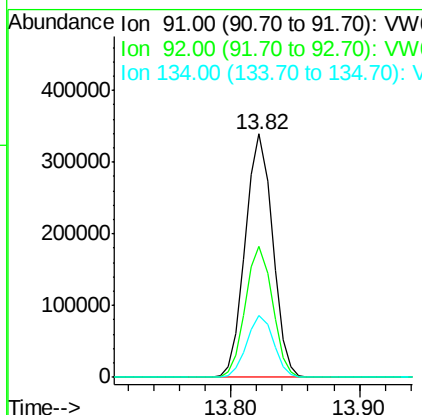
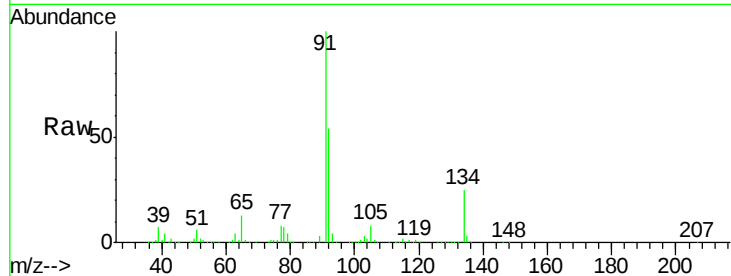
#89
n-Butylbenzene
Concen: 50.686 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.6	27.2	81.5	
134	25.1	12.7	38.1	

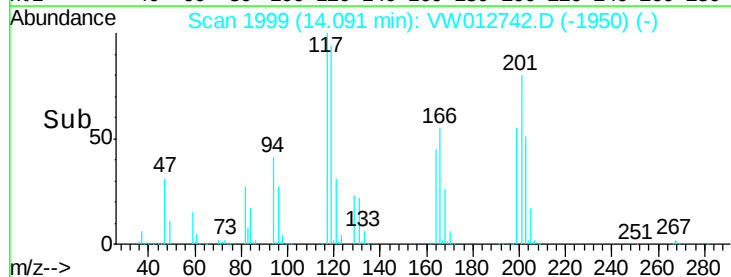
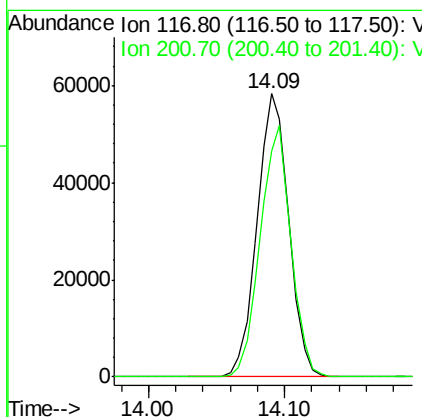
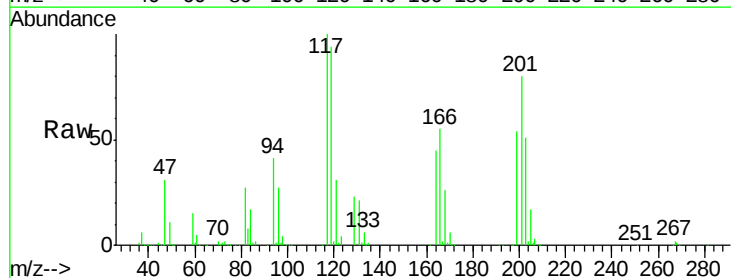
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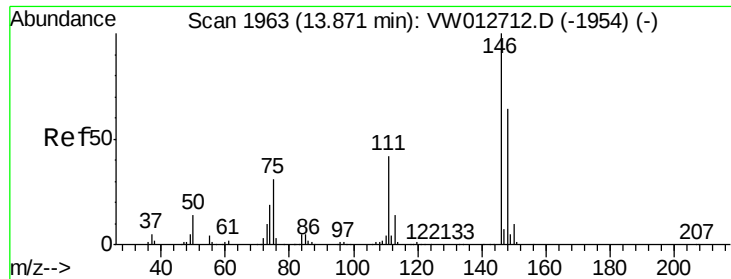
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#90
Hexachloroethane
Concen: 54.110 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.9	42.8	128.4	





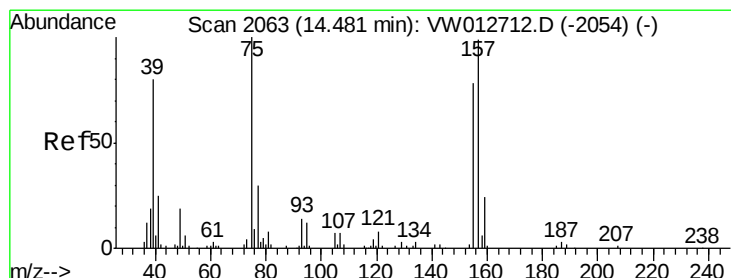
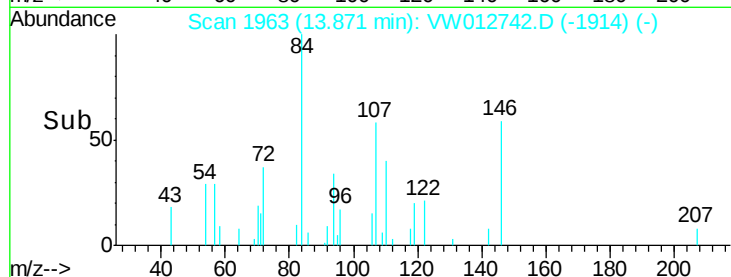
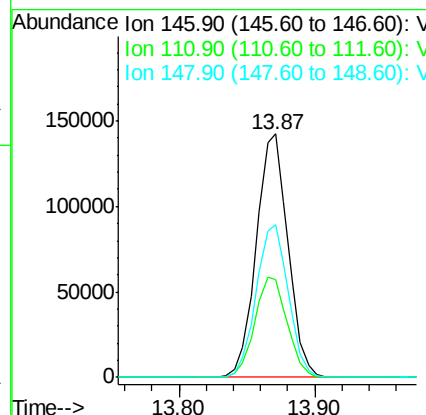
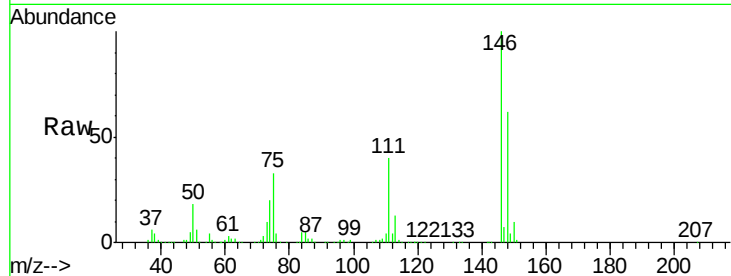
#91
 1,2-Dichlorobenzene
 Concen: 54.378 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	232896		
111	42.1	21.3	63.9	
148	63.4	32.1	96.5	

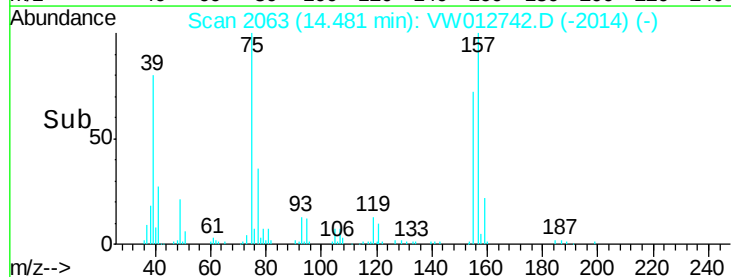
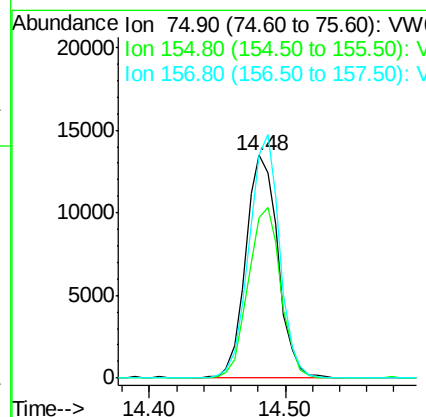
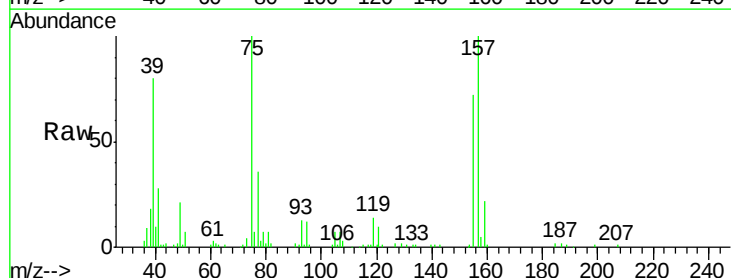
Manual Integrations
 APPROVED

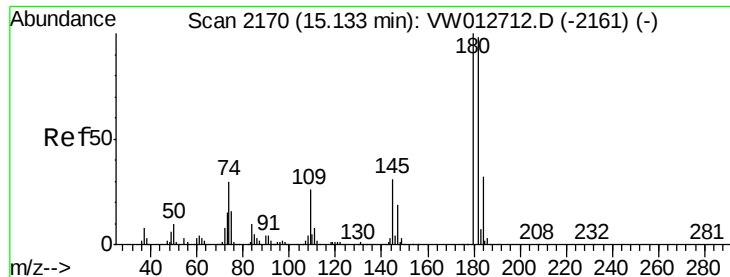
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 9/10/2019 1:03:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.827 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22317		
155	77.3	40.6	122.0	
157	103.6	52.5	157.5	





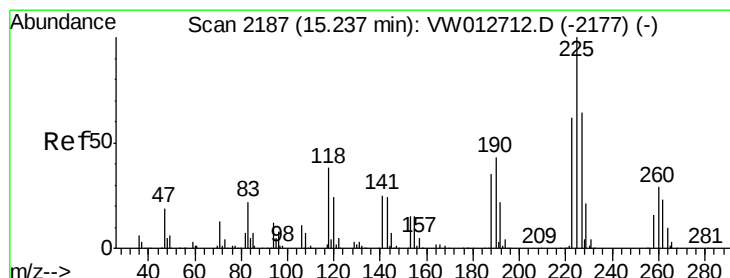
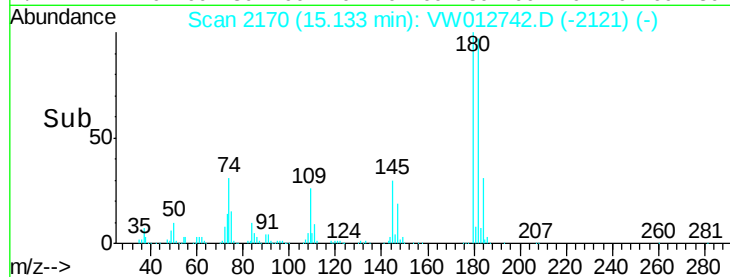
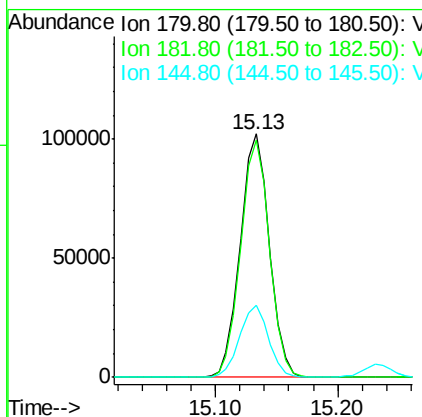
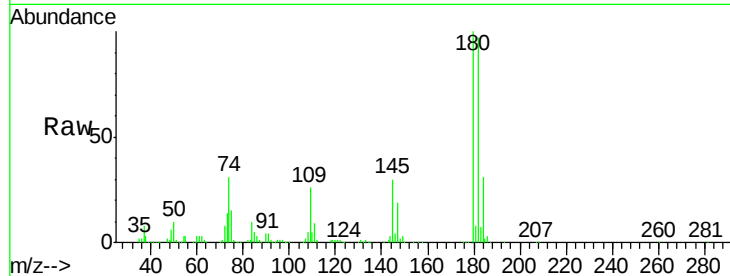
#93
 1,2,4-Trichlorobenzene
 Concen: 56.440 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	168295		
182	96.6	48.7	146.1	
145	29.5	15.0	45.1	

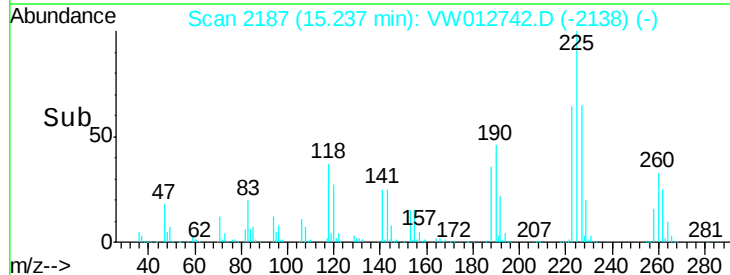
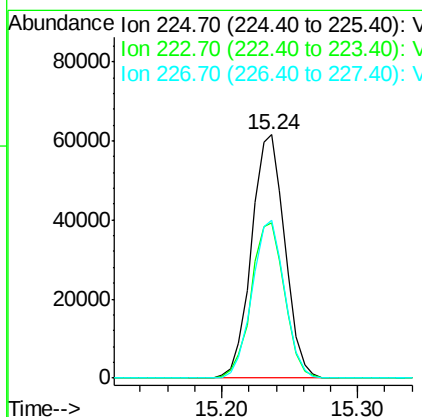
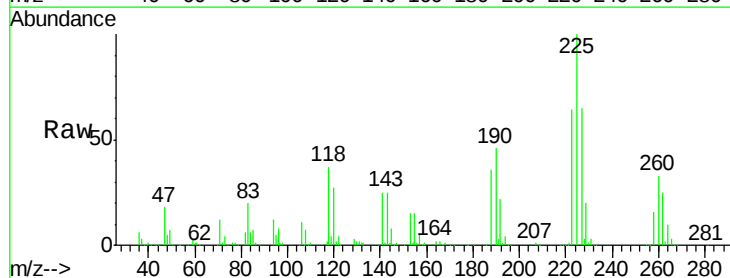
Manual Integrations
 APPROVED

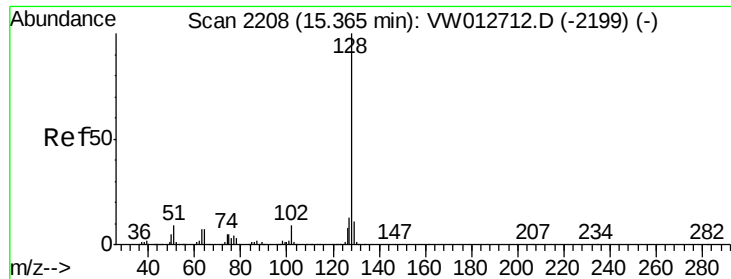
MMDadoda
 9/10/2019 1:03:10 PM



#94
 Hexachlorobutadiene
 Concen: 51.113 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012742.D
 Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105493		
223	63.6	31.1	93.3	
227	63.3	31.4	94.2	





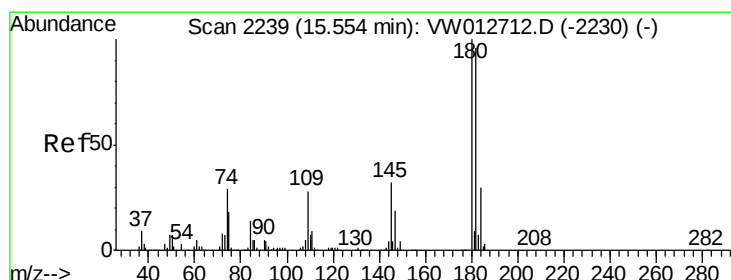
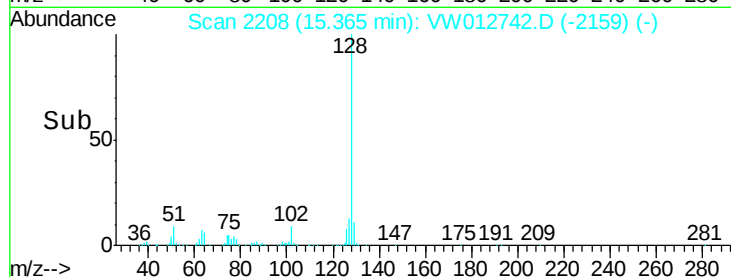
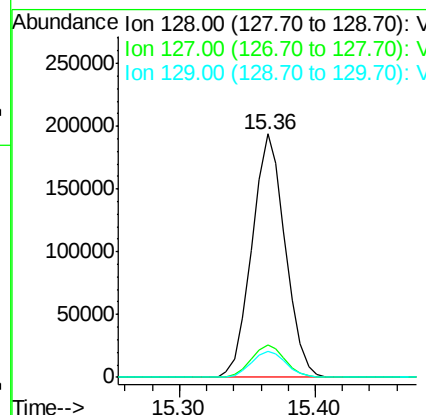
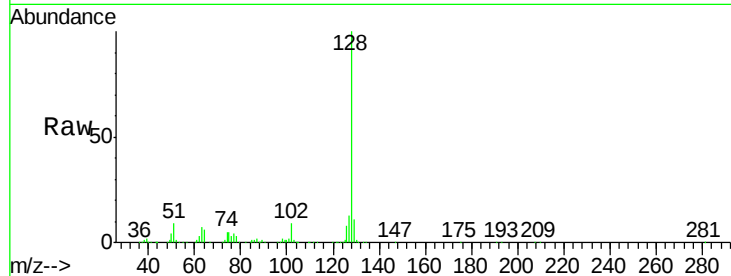
#95
Naphthalene
Concen: 52.846 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:03:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.926 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012742.D
Acq: 08 Sep 2019 01:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	31.4	15.4	46.2

