

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012713.D
 Acq On : 07 Sep 2019 11:30
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:02:34 PM

Quant Time: Sep 08 05:00:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 04:47:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	335148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147877	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	241904	95.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.68%	
35) Dibromofluoromethane	7.88	113	191827	96.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.54%	
50) Toluene-d8	10.32	98	790369	101.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.50%	
62) 4-Bromofluorobenzene	12.62	95	273217	96.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	108705	88.301	ug/l	98
3) Chloromethane	2.21	50	124899	83.481	ug/l	99
4) Vinyl Chloride	2.36	62	157333	85.766	ug/l	99
5) Bromomethane	2.77	94	86640	86.975	ug/l	99
6) Chloroethane	2.92	64	96184	87.865	ug/l	93
7) Trichlorofluoromethane	3.25	101	111950	88.434	ug/l	99
8) Diethyl Ether	3.68	74	98826	92.885	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	185108	93.179	ug/l	100
10) Methyl Iodide	4.27	142	231266	92.475	ug/l	100
11) Tert butyl alcohol	5.20	59	107824	555.423	ug/l	98
12) 1,1-Dichloroethene	4.04	96	175063	93.351	ug/l	95
13) Acrolein	3.89	56	105584	512.525	ug/l	99
14) Allyl chloride	4.67	41	372574	96.039	ug/l	99
15) Acrylonitrile	5.37	53	350249	563.614	ug/l	99
16) Acetone	4.13	43	389956	563.752	ug/l	98
17) Carbon Disulfide	4.38	76	362766	91.132	ug/l	99
18) Methyl Acetate	4.67	43	178153	109.776	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	381477	102.571	ug/l	98
20) Methylene Chloride	4.92	84	189254	87.454	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	182976	95.624	ug/l	98
22) Diisopropyl ether	6.31	45	748160	97.237	ug/l	100
23) Vinyl Acetate	6.25	43	2627033	538.750	ug/l	99
24) 1,1-Dichloroethane	6.21	63	397847	96.032	ug/l	99
25) 2-Butanone	7.17	43	522392	572.140	ug/l	98
26) 2,2-Dichloropropane	7.16	77	246730	94.294	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	216219	97.453	ug/l	100
28) Bromochloromethane	7.51	49	199300	104.768	ug/l	97
29) Tetrahydrofuran	7.53	42	314574	563.159	ug/l	100
30) Chloroform	7.67	83	384602	93.672	ug/l	97
31) Cyclohexane	7.96	56	325351	87.233	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	320255	96.226	ug/l	99
36) 1,1-Dichloropropene	8.08	75	291829	97.999	ug/l	99
37) Ethyl Acetate	7.25	43	214271	112.874	ug/l	100
38) Carbon Tetrachloride	8.07	117	289602	98.657	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	330376	98.780	ug/l	97
40) Benzene	8.32	78	763183	92.371	ug/l	100
41) Methacrylonitrile	7.48	41	134023	117.094	ug/l	95
42) 1,2-Dichloroethane	8.40	62	291852	100.370	ug/l	100
43) Isopropyl Acetate	8.42	43	401177	111.547	ug/l	99
44) Trichloroethene	9.09	130	208345	97.827	ug/l	96
45) 1,2-Dichloropropane	9.37	63	226529	98.855	ug/l	99
46) Dibromomethane	9.46	93	111042	102.331	ug/l	99
47) Bromodichloromethane	9.64	83	298701	100.053	ug/l	96
48) Methyl methacrylate	9.43	41	193521	112.596	ug/l	96
49) 1,4-Dioxane	9.46	88	47194	2201.782	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	1071301	567.674	ug/l	100
52) Toluene	10.38	92	509149	98.734	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	321529	104.738	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	357986	102.796	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	168384	103.649	ug/l	98
56) Ethyl methacrylate	10.65	69	267232	112.374	ug/l	99
57) 1,3-Dichloropropane	10.93	76	302619	100.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	732212	579.988	ug/l	99
59) 2-Hexanone	10.97	43	786941	570.769	ug/l	100
60) Dibromochloromethane	11.13	129	199976	104.665	ug/l	99
61) 1,2-Dibromoethane	11.24	107	156167	104.852	ug/l	99
64) Tetrachloroethene	10.86	164	171145	95.255	ug/l	97
65) Chlorobenzene	11.66	112	535077	95.609	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	205991	98.837	ug/l	99
67) Ethyl Benzene	11.73	91	1025725	97.685	ug/l	98
68) m/p-Xylenes	11.84	106	737973	194.708	ug/l	100
69) o-Xylene	12.16	106	347412	97.158	ug/l	99
70) Styrene	12.18	104	621388	98.343	ug/l	100
71) Bromoform	12.35	173	119515	103.214	ug/l	98
73) Isopropylbenzene	12.46	105	962886	90.786	ug/l	99
74) N-amyl acetate	12.27	43	332248	98.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	214086	100.509	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	150308m	103.576	ug/l	
77) Bromobenzene	12.74	156	225553	93.866	ug/l	99
78) n-propylbenzene	12.80	91	1193938	94.123	ug/l	100
79) 2-Chlorotoluene	12.89	91	674938	92.685	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	835518	93.488	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	76497	107.001	ug/l	100
82) 4-Chlorotoluene	12.99	91	717348	93.129	ug/l	99
83) tert-Butylbenzene	13.21	119	737244	93.295	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	837595	93.010	ug/l	100
85) sec-Butylbenzene	13.38	105	1024067	93.389	ug/l	100
86) p-Isopropyltoluene	13.50	119	934053	93.255	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	432657	91.605	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	432718	92.073	ug/l	99
89) n-Butylbenzene	13.82	91	914007	93.996	ug/l	100
90) Hexachloroethane	14.09	117	166438	95.186	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	393318	92.523	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	41346	106.069	ug/l	98

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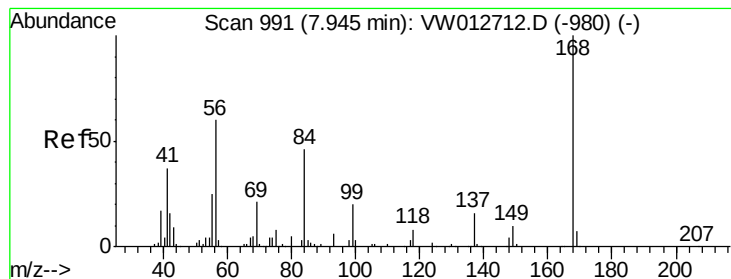
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	290328	98.094	ug/l	99
94) Hexachlorobutadiene	15.24	225	185817	90.705	ug/l	99
95) Naphthalene	15.36	128	615646	111.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	244140	93.450	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 227085

Ion Ratio Lower Upper

168 100

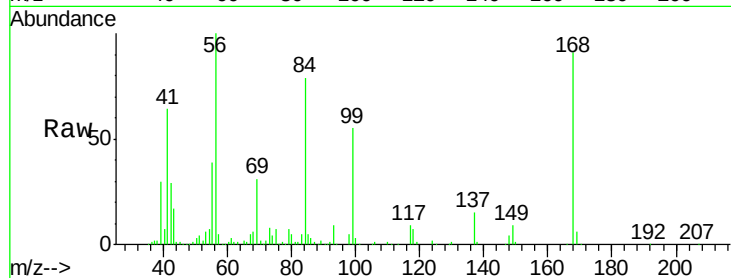
99 60.1 47.8 71.6

Manual Integrations

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9/10/2019 1:02:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

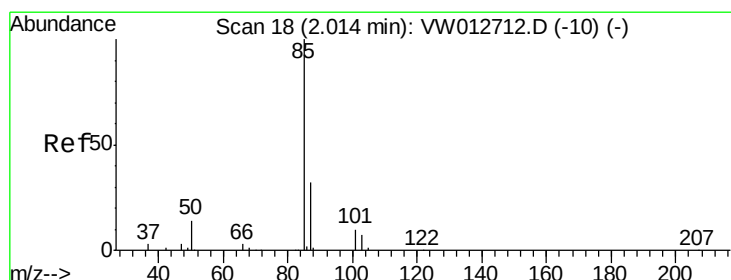
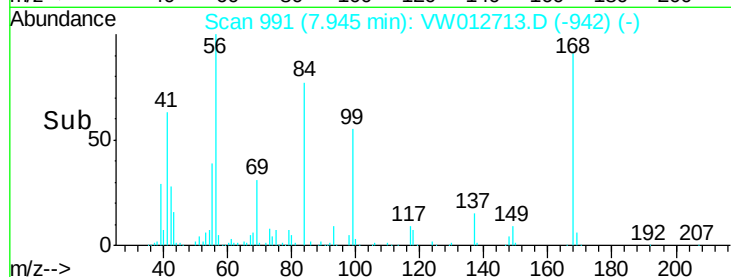
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 88.301 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012713.D

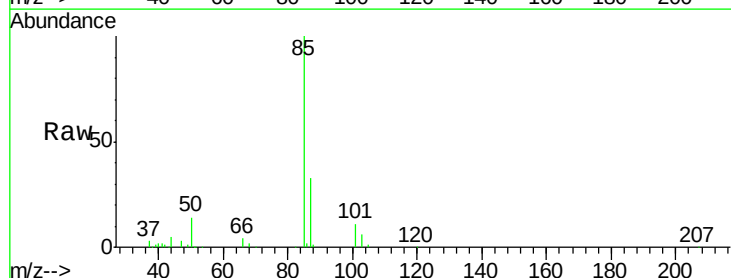
Acq: 07 Sep 2019 11:30

Tgt Ion: 85 Resp: 108705

Ion Ratio Lower Upper

85 100

87 32.8 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

40000

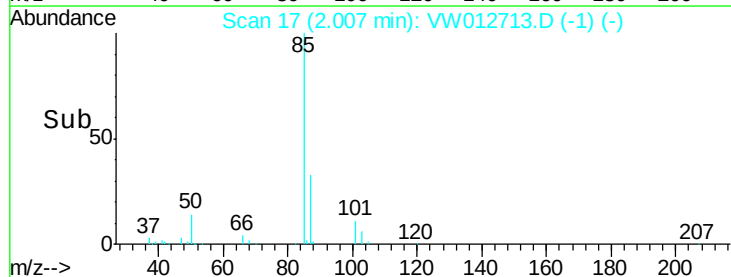
30000

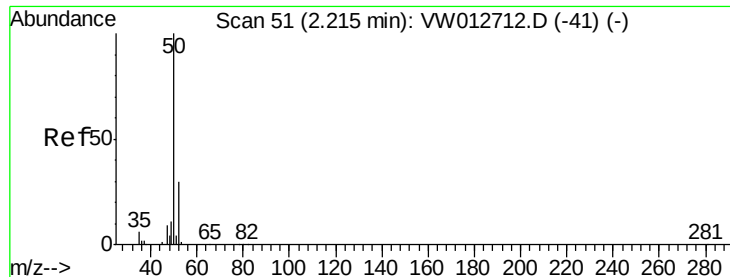
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 83.481 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 124899

Ion Ratio Lower Upper

50 100

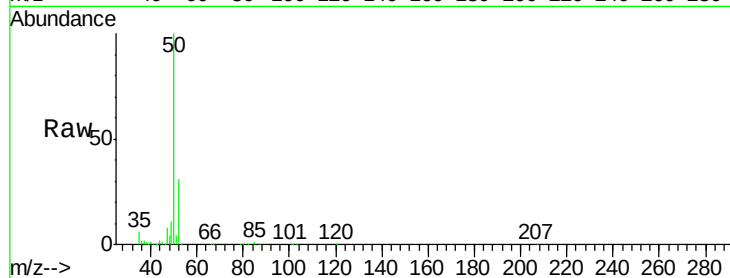
52 30.5 24.2 36.2

Manual Integrations

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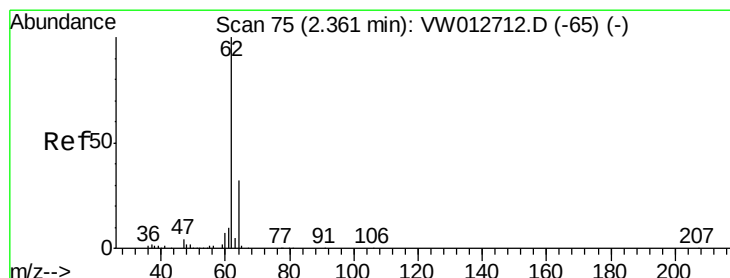
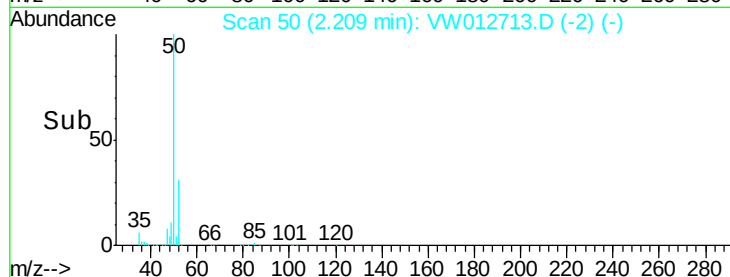
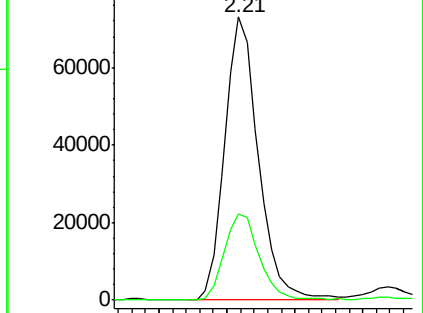
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 85.766 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012713.D

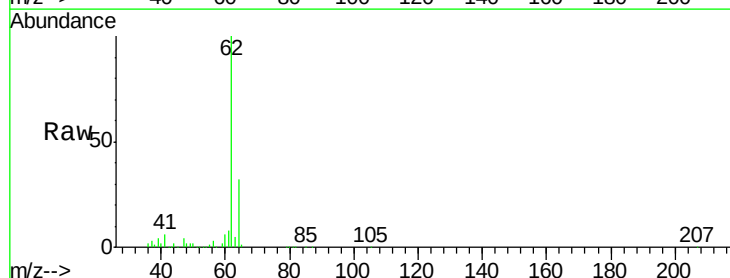
Acq: 07 Sep 2019 11:30

Tgt Ion: 62 Resp: 157333

Ion Ratio Lower Upper

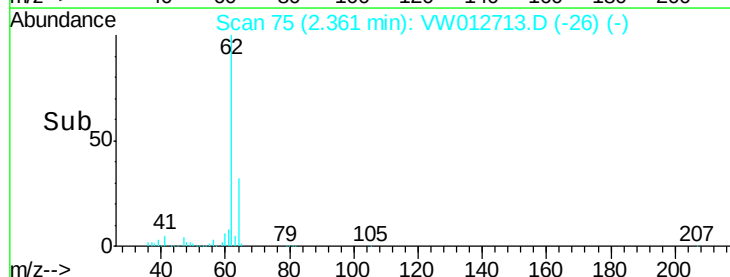
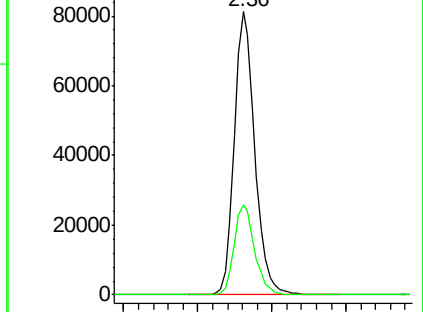
62 100

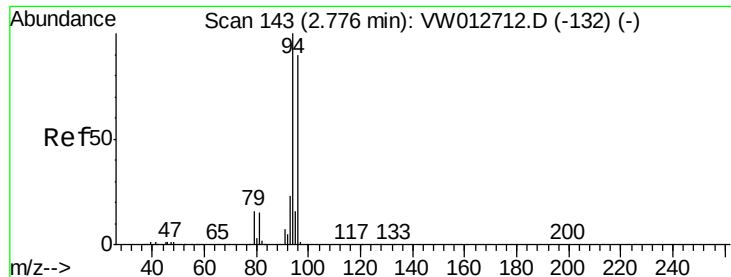
64 32.0 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 86.975 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 94 Resp: 86640

Ion Ratio Lower Upper

94 100

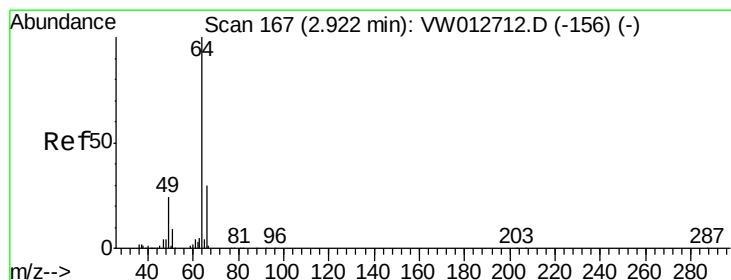
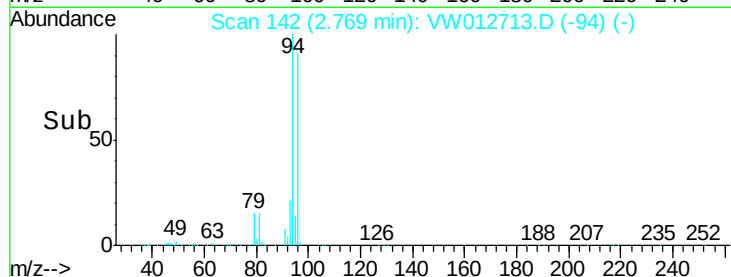
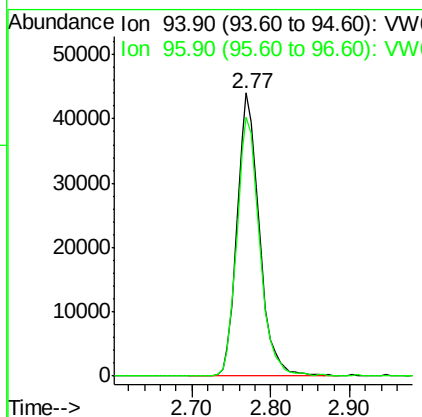
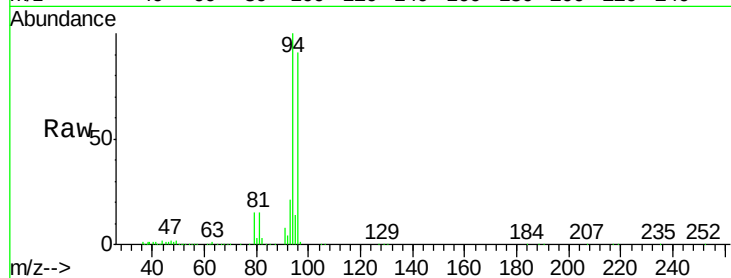
96 91.5 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 87.865 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012713.D

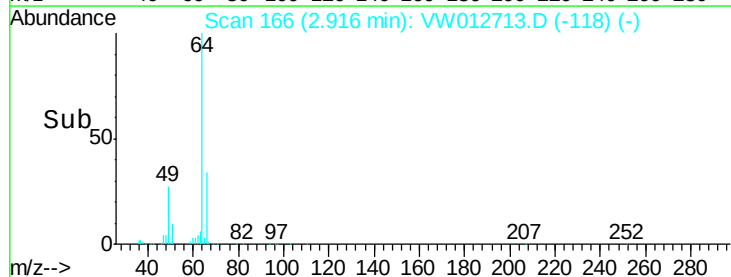
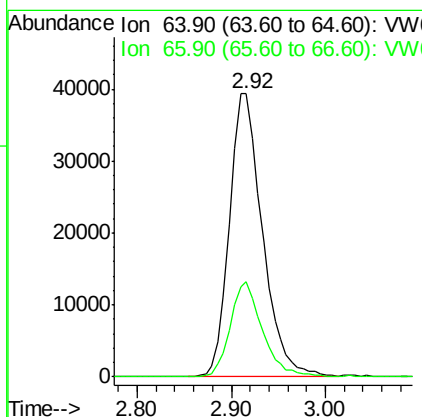
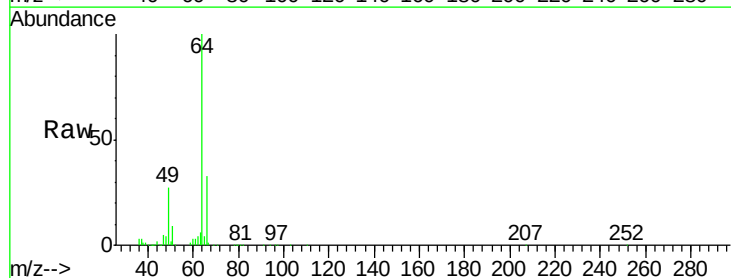
Acq: 07 Sep 2019 11:30

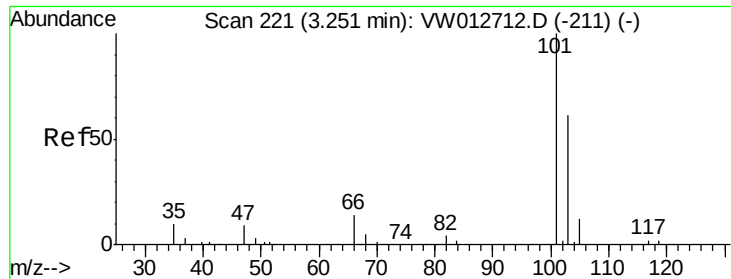
Tgt Ion: 64 Resp: 96184

Ion Ratio Lower Upper

64 100

66 33.4 23.8 35.6





#7

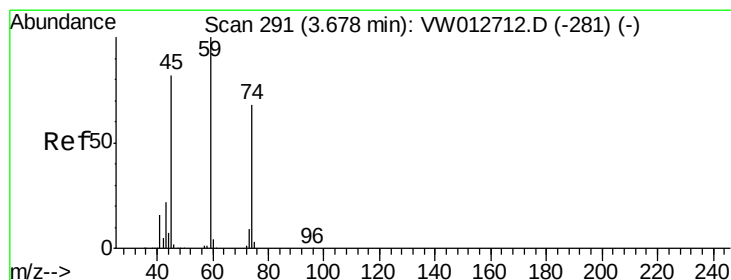
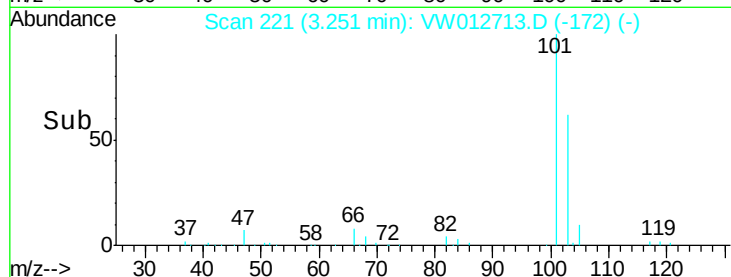
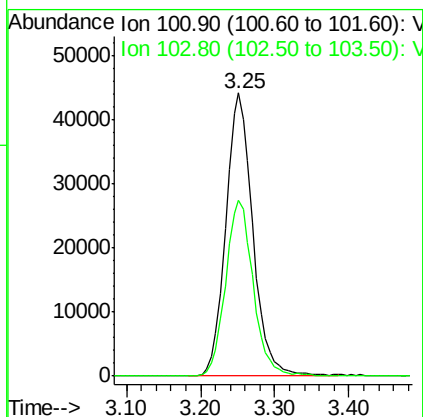
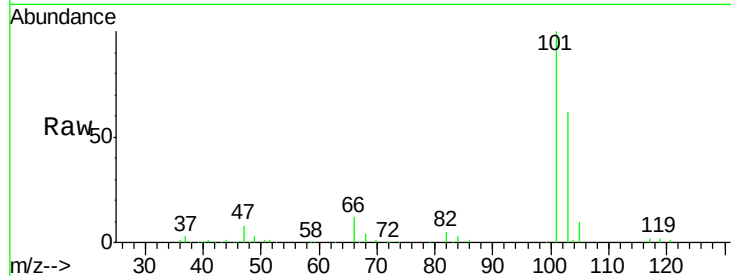
Trichlorofluoromethane
Concen: 88.434 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

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VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	111950		
103	62.2	49.0	73.4	

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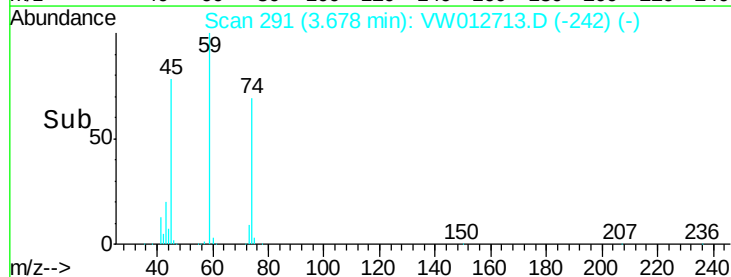
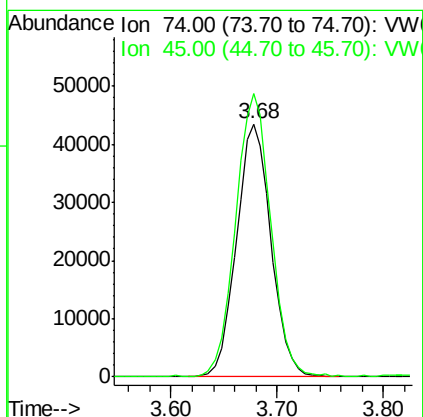
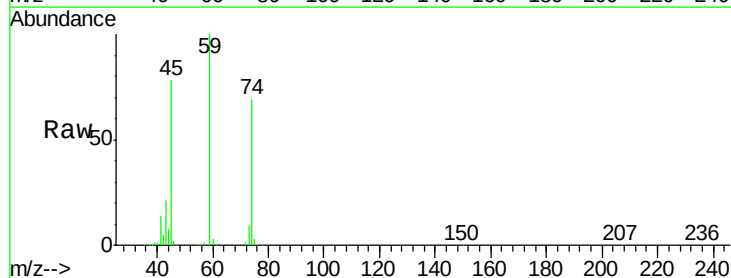
MMDadoda
9/10/2019 1:02:34 PM

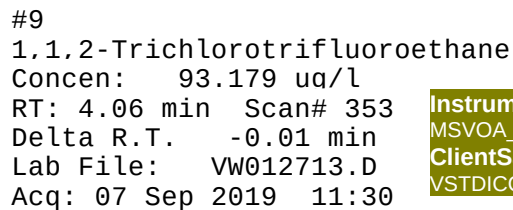


#8

Diethyl Ether
Concen: 92.885 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	98826		
45	113.1	58.8	176.4	



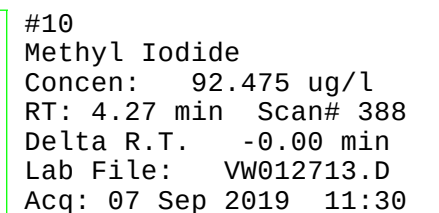
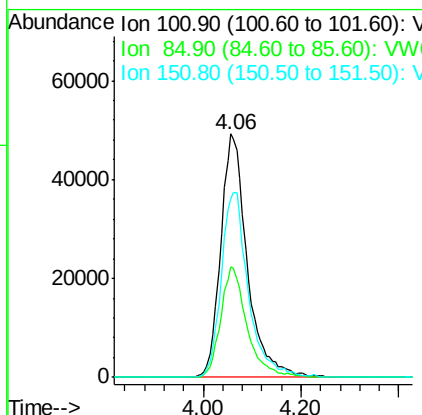


Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

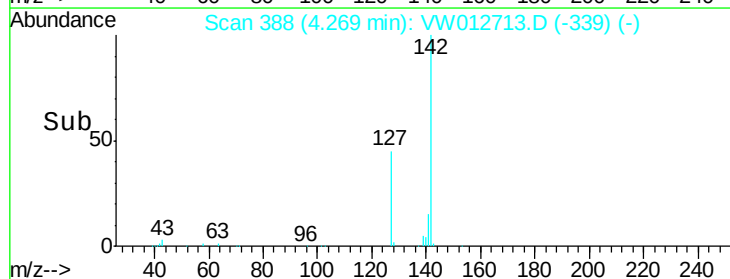
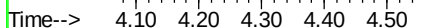
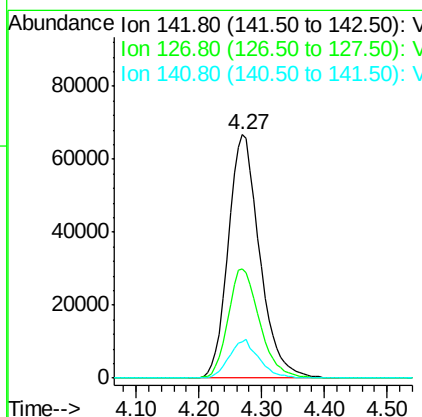
Tqt	Ion:101	Resp:	185108
Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.2	54.2
151	77.4	61.9	92.9

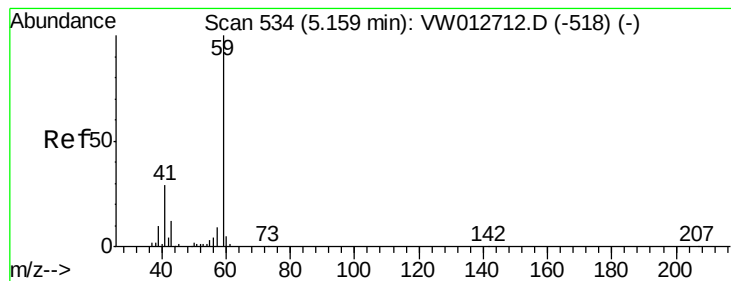
Manual Integrations

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9/10/2019 1:02:34 PM



Tgt	Ion:142	Resp:	231266
Ion	Ratio	Lower	Upper
142	100		
127	45.2	36.0	54.0
141	15.0	12.2	18.4





#11

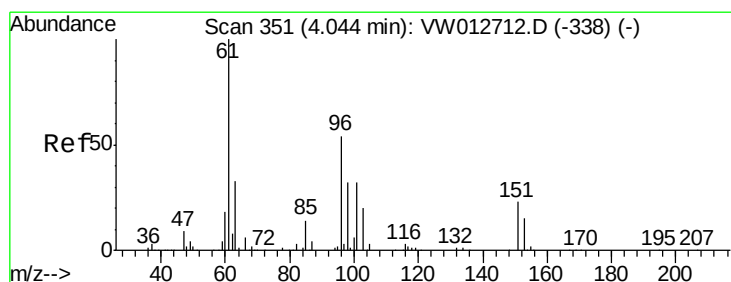
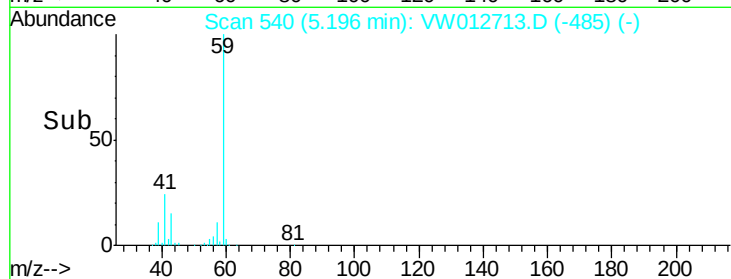
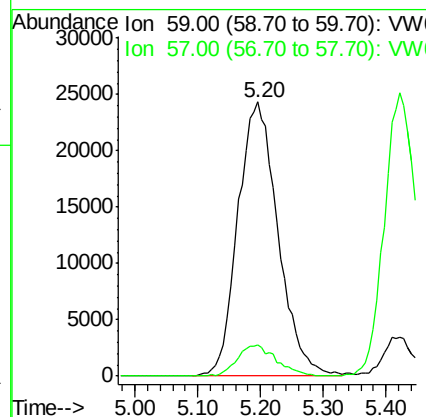
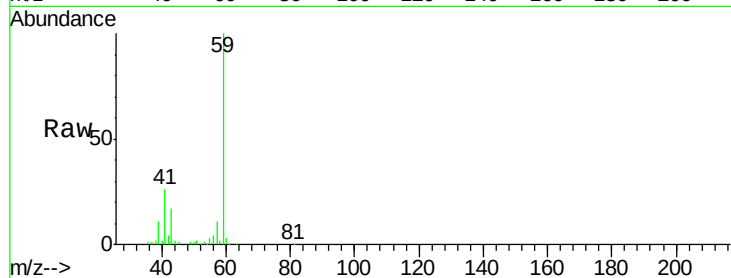
Tert butyl alcohol
 Concen: 555.423 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.04 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	107824
Ion Ratio	59	100	
Lower	57	11.1	8.2
Upper			12.4

Manual Integrations
 APPROVED

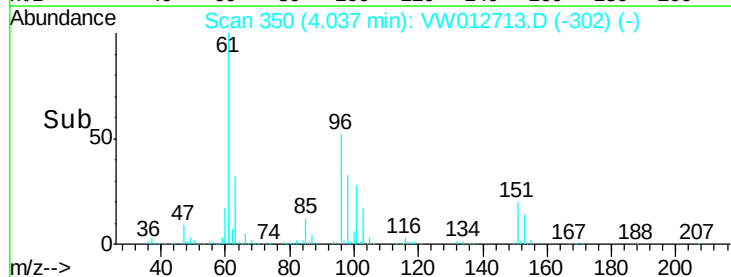
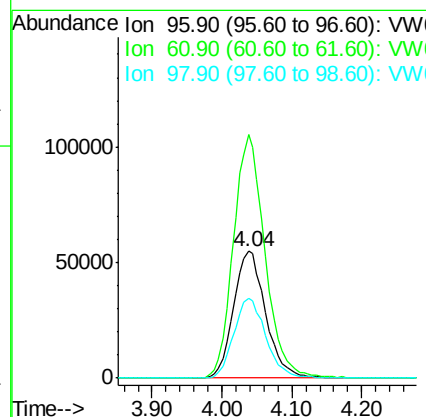
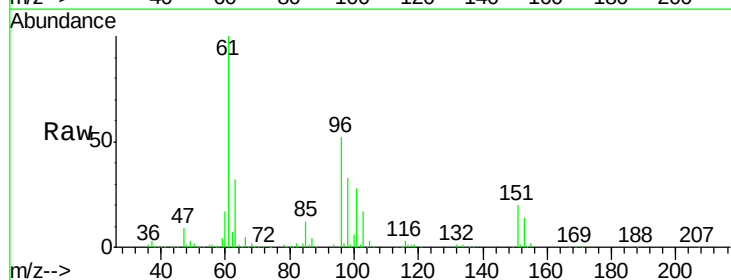
MMDadoda
 9/10/2019 1:02:34 PM

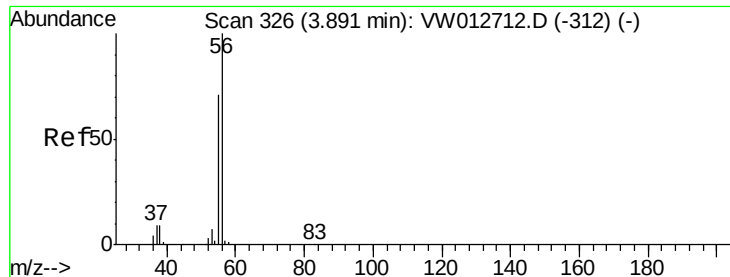


#12

1,1-Dichloroethene
 Concen: 93.351 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion	96	Resp	175063
Ion Ratio	96	100	
Lower	61	191.6	147.8
Upper	98	63.0	47.9





#13

Acrolein

Concen: 512.525 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 105584

Ion Ratio Lower Upper

56 100

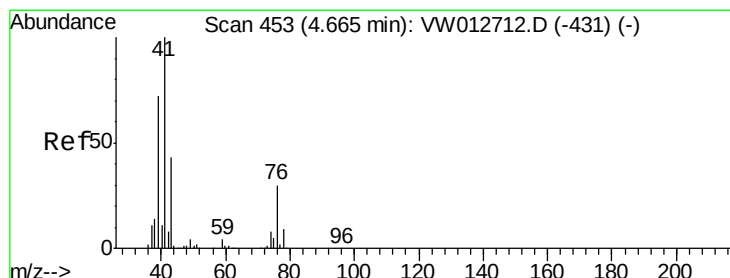
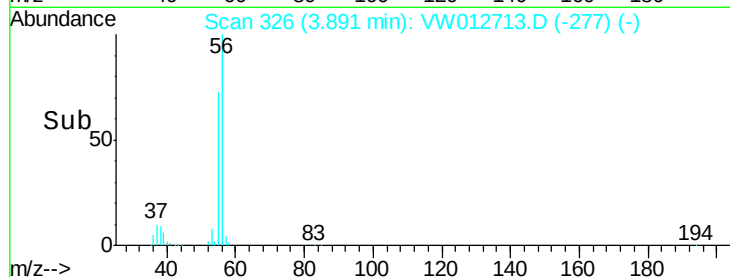
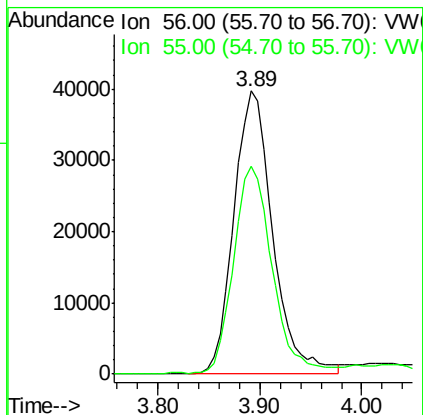
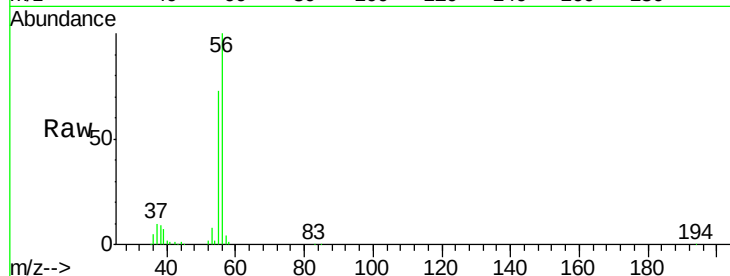
55 72.0 56.9 85.3

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 96.039 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

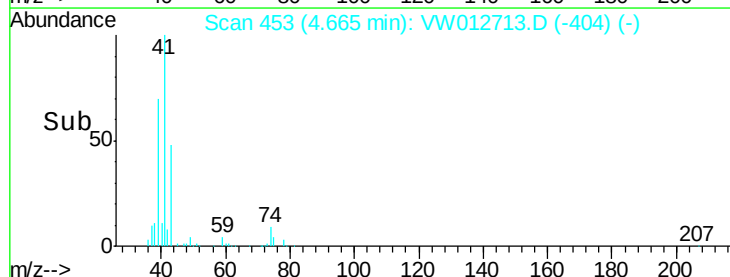
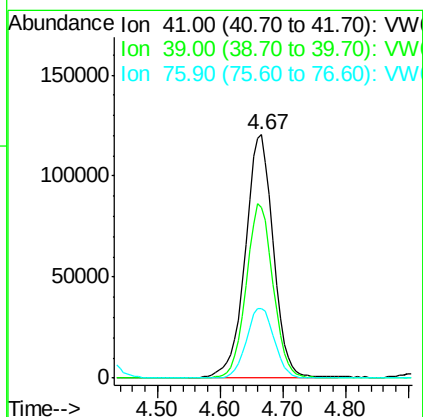
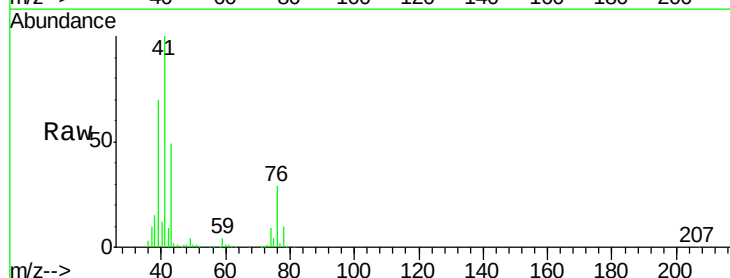
Tgt Ion: 41 Resp: 372574

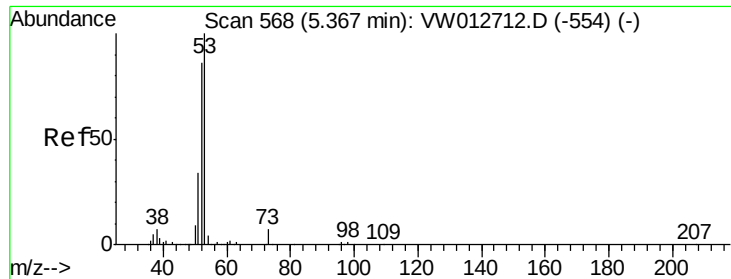
Ion Ratio Lower Upper

41 100

39 68.4 55.0 82.6

76 28.4 23.0 34.4





#15

Acrylonitrile

Concen: 563.614 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

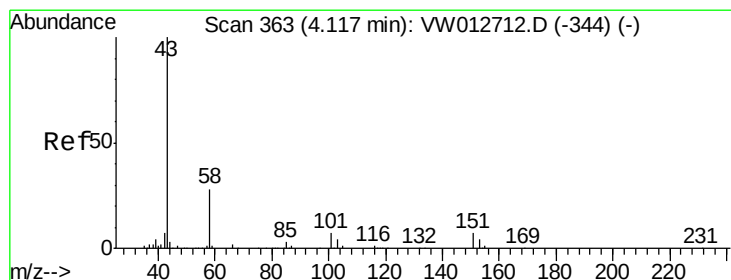
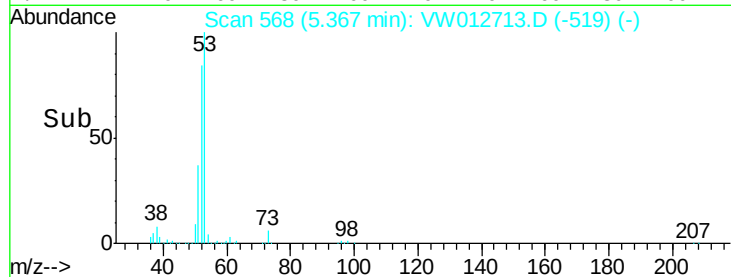
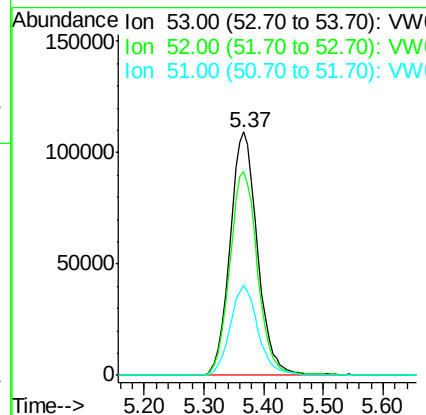
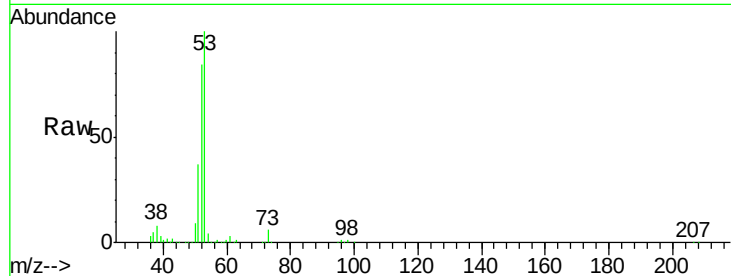
ClientSampled :

VSTDICC100

Tot Ion:	53	Resp:	350249
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.0	100.4
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 563.752 ug/l

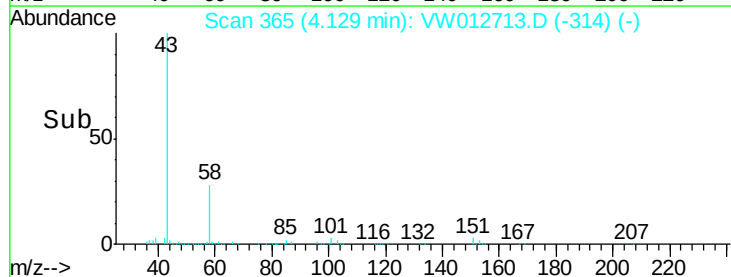
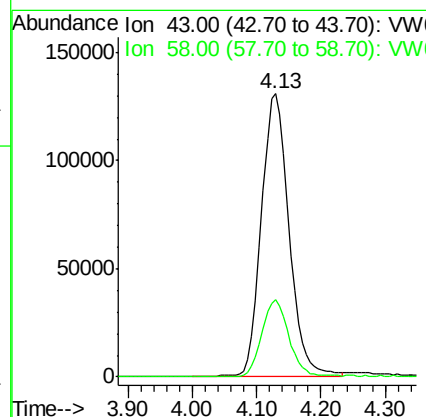
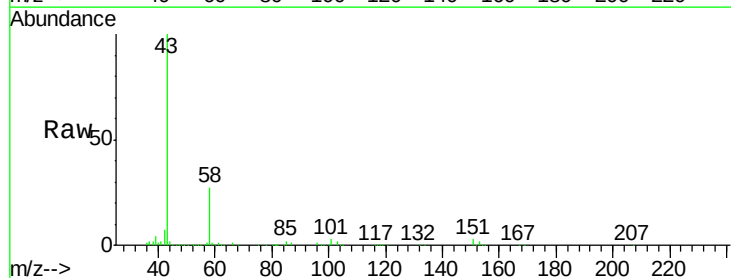
RT: 4.13 min Scan# 365

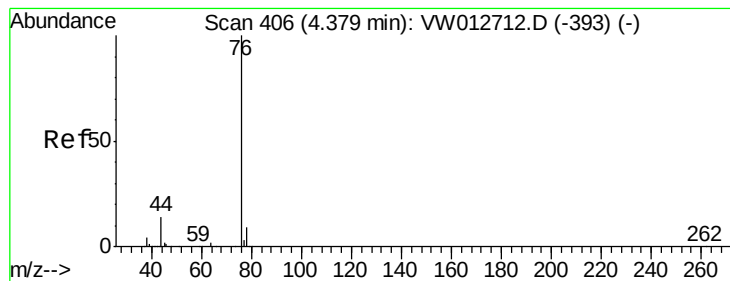
Delta R.T. 0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tgt Ion:	43	Resp:	389956
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.6	33.8





#17

Carbon Disulfide

Concen: 91.132 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 362766

Ion Ratio Lower Upper

76 100

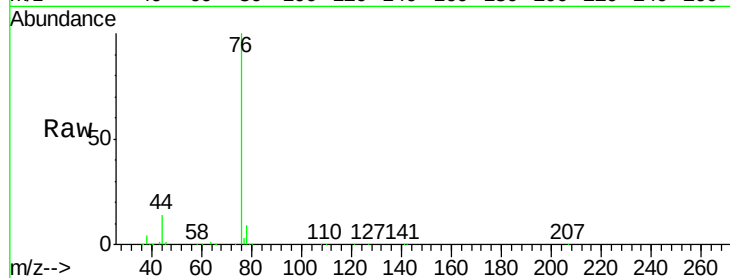
78 9.2 7.2 10.8

Manual Integrations

APPROVED

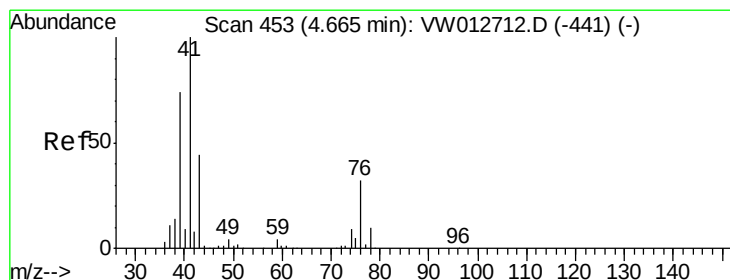
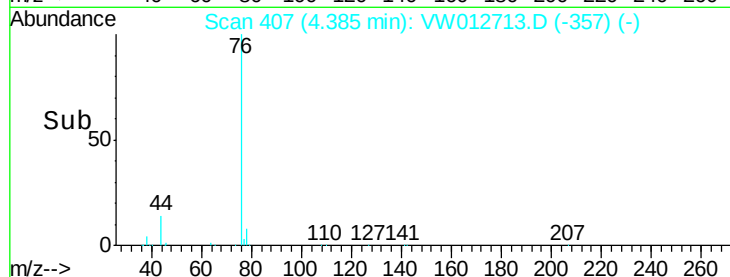
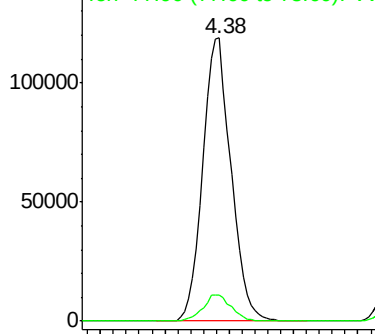
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 109.776 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012713.D

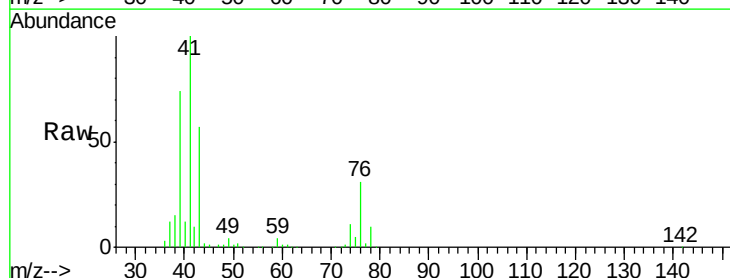
Acq: 07 Sep 2019 11:30

Tgt Ion: 43 Resp: 178153

Ion Ratio Lower Upper

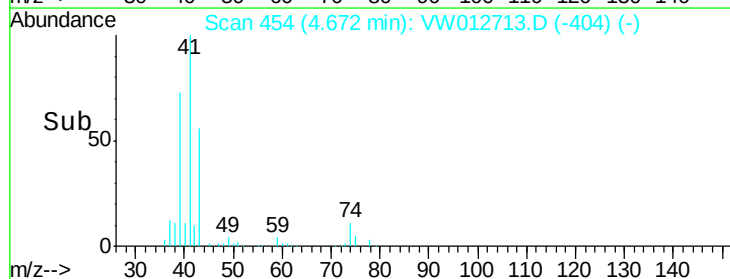
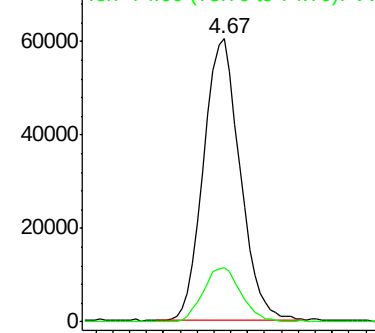
43 100

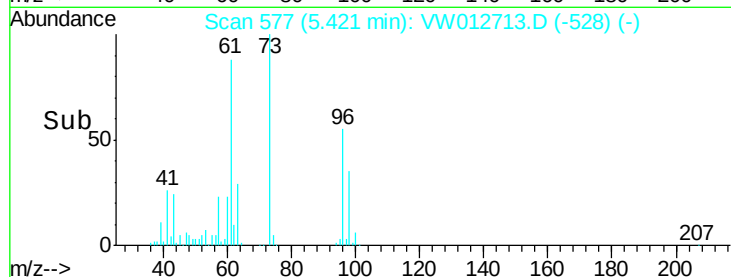
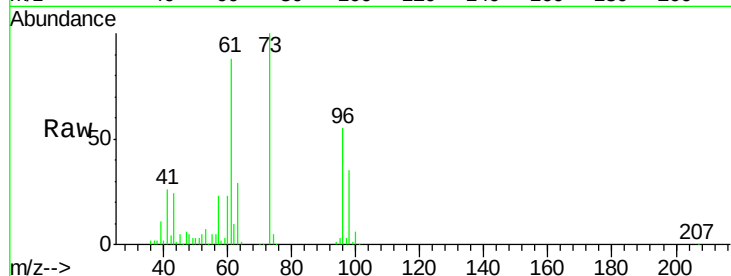
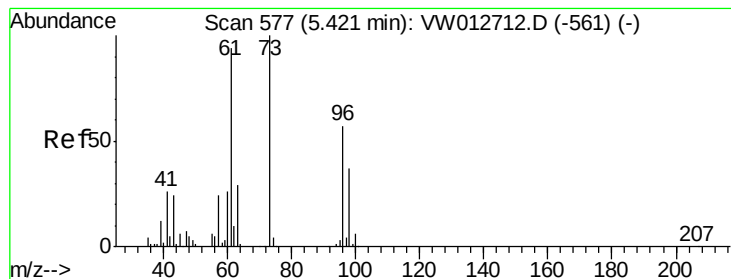
74 20.0 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

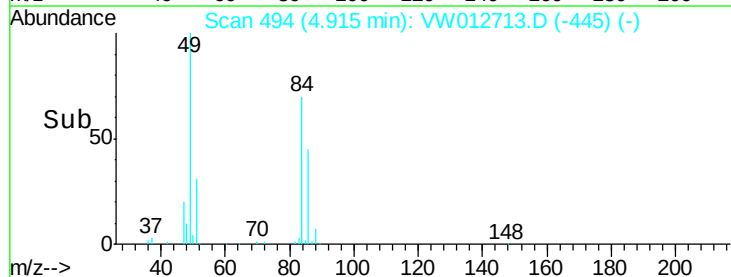
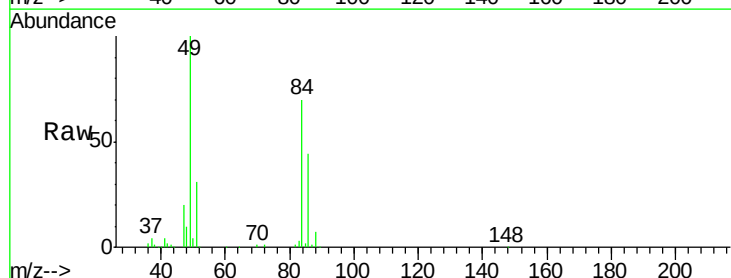
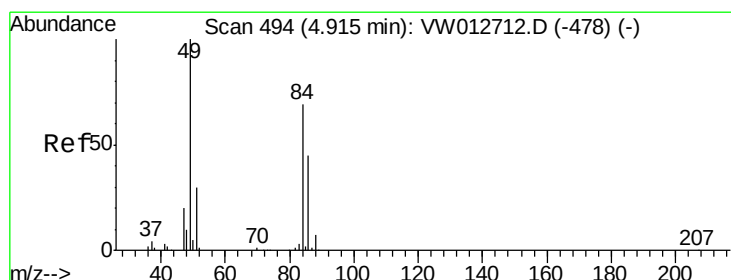
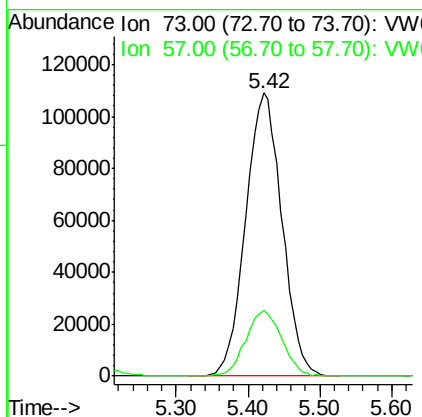
Methyl tert-butyl Ether
Concen: 102.571 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.2	28.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

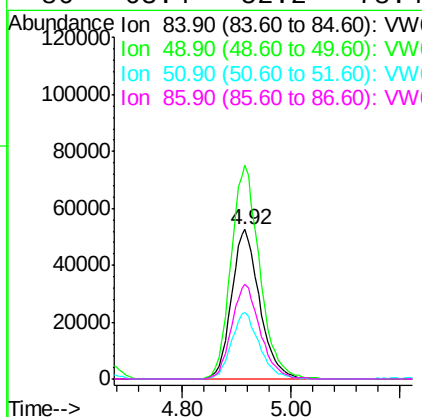
MMDadoda
9/10/2019 1:02:34 PM

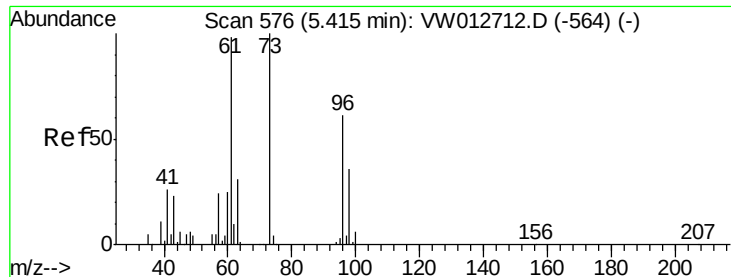


#20

Methylene Chloride
Concen: 87.454 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.1	115.4	173.0
51	44.2	34.9	52.3
86	63.4	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 95.624 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

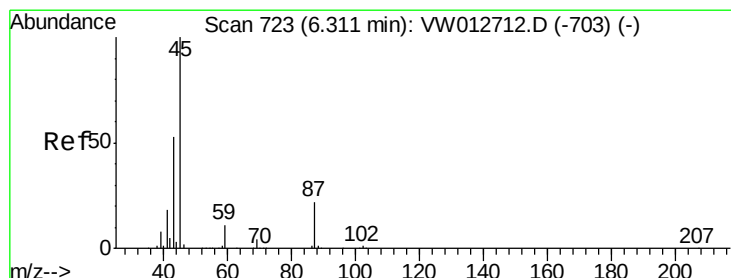
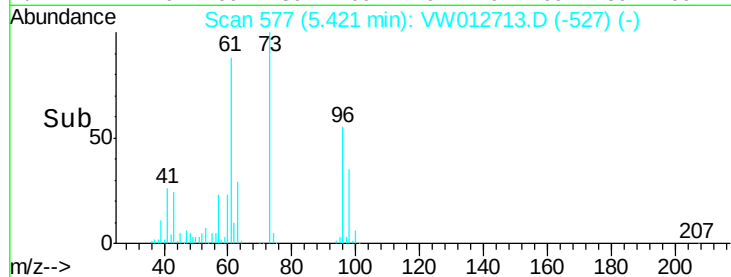
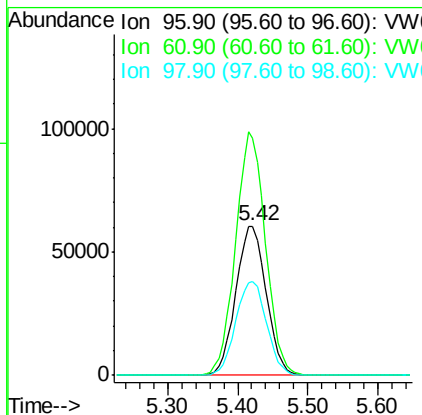
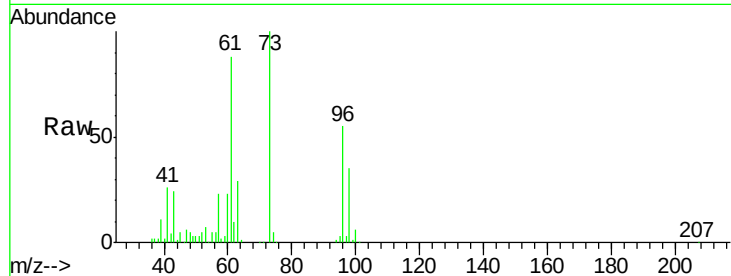
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	182976
Ion	Ratio	Lower	Upper
96	100		
61	159.2	129.2	193.8
98	62.6	48.0	72.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 97.237 ug/l

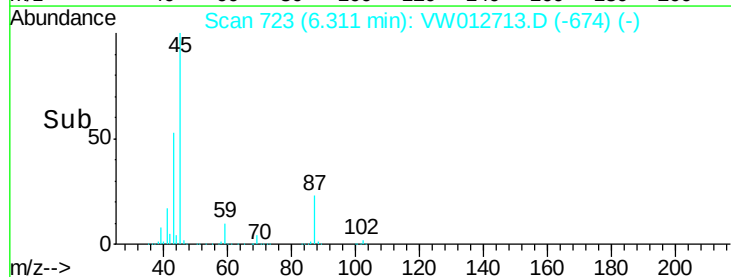
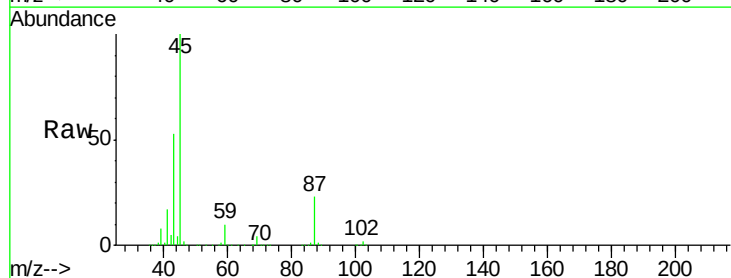
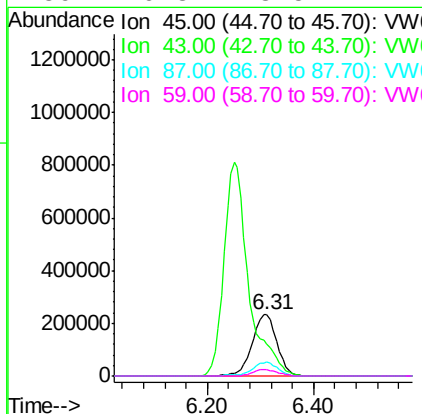
RT: 6.31 min Scan# 723

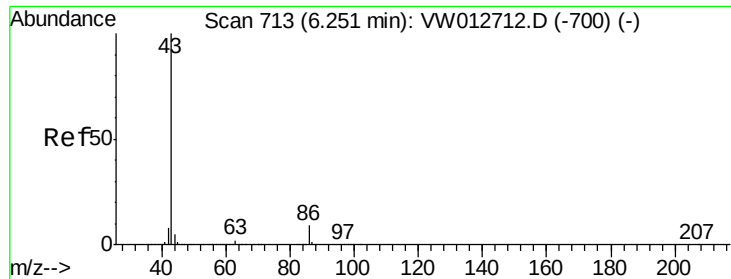
Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tgt Ion:	45	Resp:	748160
Ion	Ratio	Lower	Upper
45	100		
43	53.2	42.3	63.5
87	22.5	18.2	27.2
59	10.3	8.5	12.7





#23

Vinyl Acetate

Concen: 538.750 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2627033

Ion Ratio Lower Upper

43 100

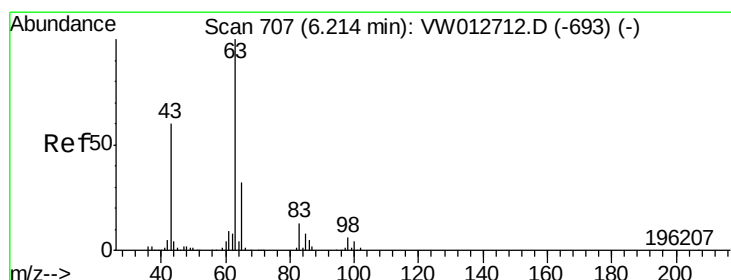
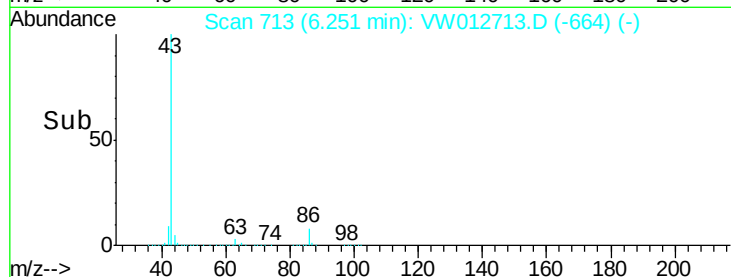
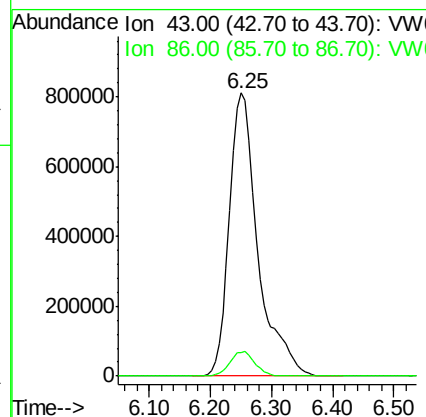
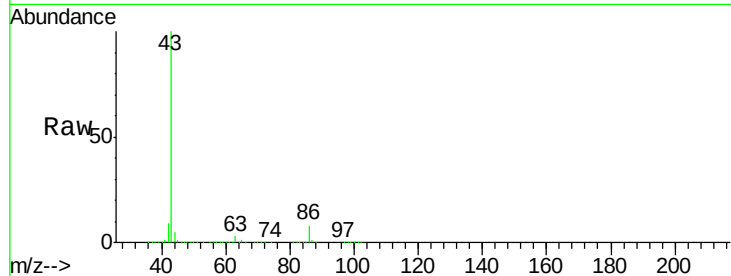
86 8.5 7.0 10.6

Manual Integrations

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9/10/2019 1:02:34 PM



#24

1,1-Dichloroethane

Concen: 96.032 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

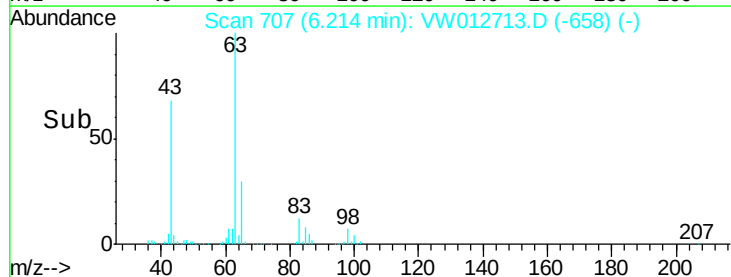
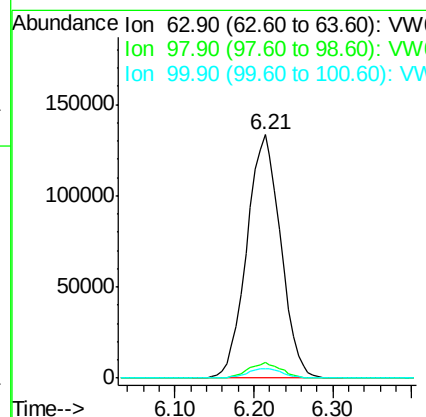
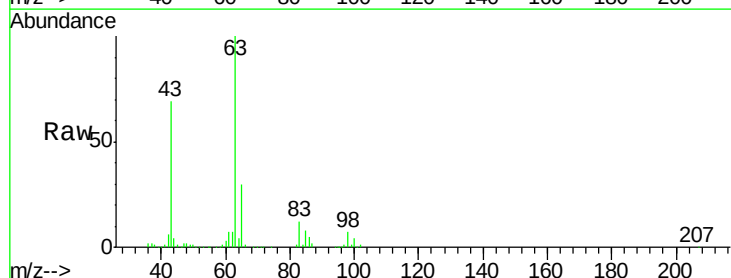
Tgt Ion: 63 Resp: 397847

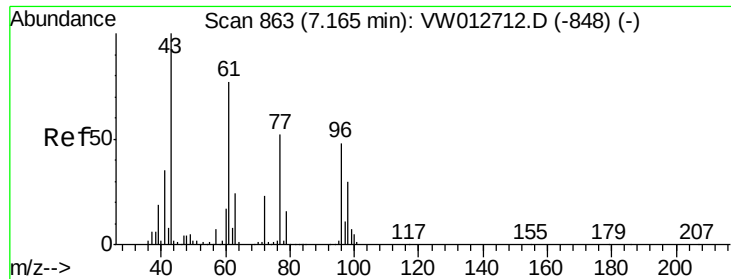
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.3

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 572.140 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 522392

Ion Ratio Lower Upper

43 100

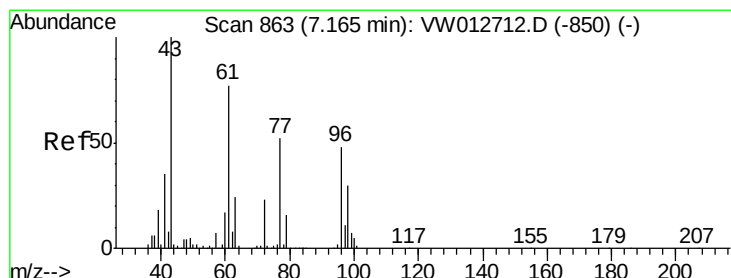
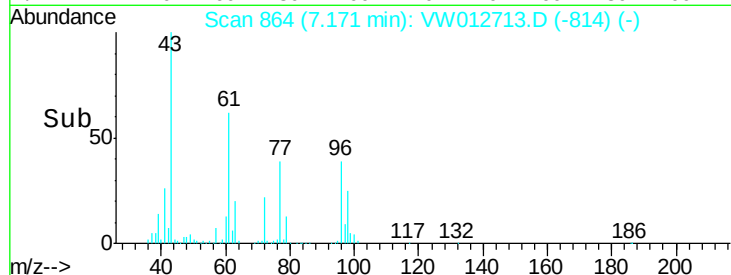
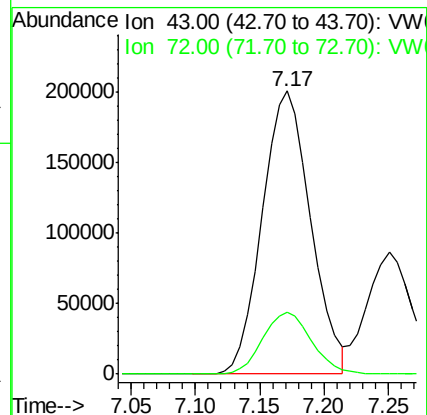
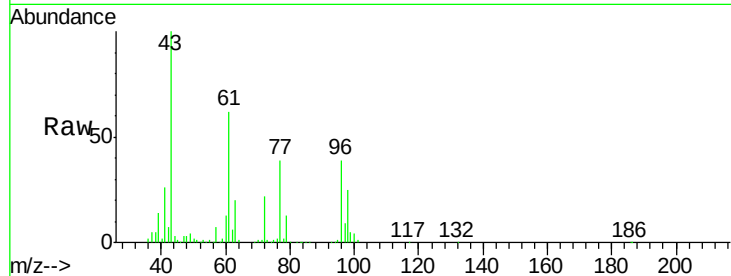
72 21.8 18.0 27.0

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 94.294 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012713.D

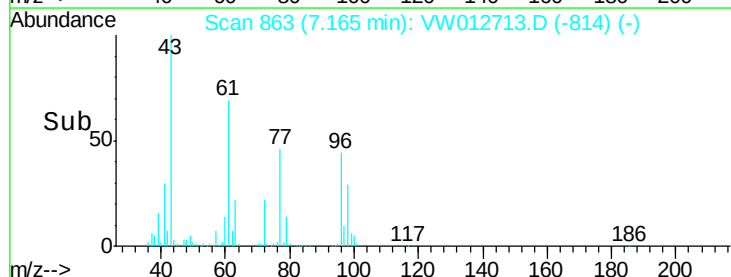
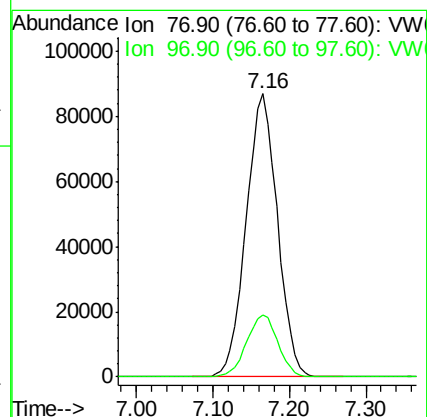
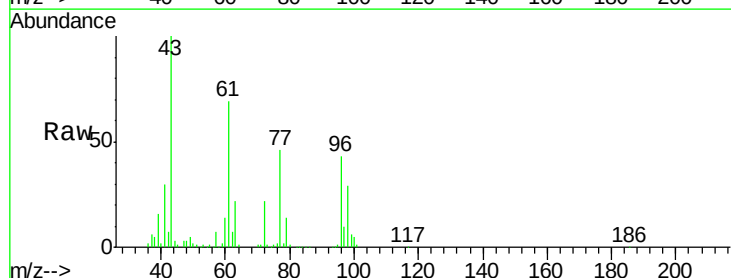
Acq: 07 Sep 2019 11:30

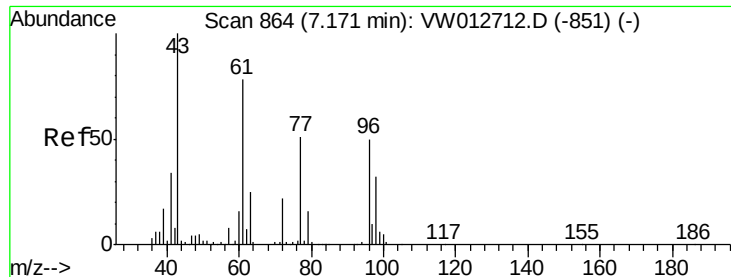
Tgt Ion: 77 Resp: 246730

Ion Ratio Lower Upper

77 100

97 21.9 10.7 32.1





#27

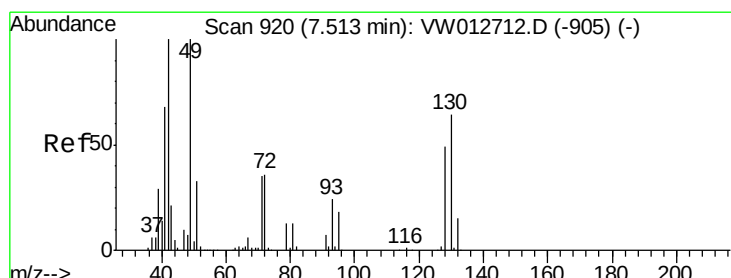
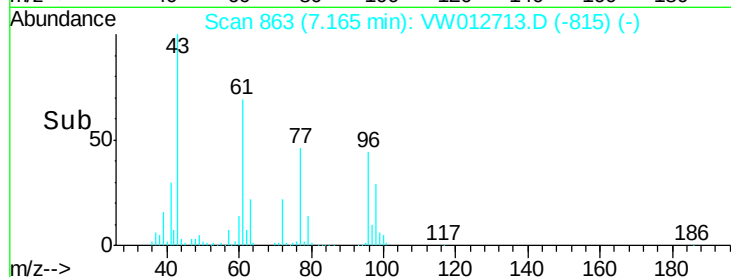
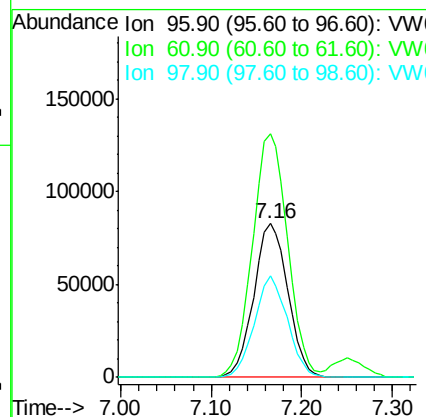
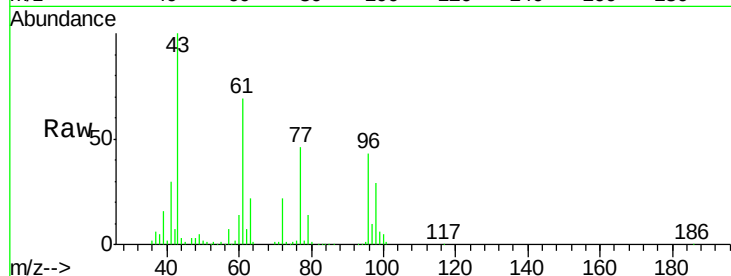
cis-1,2-Dichloroethene
 Concen: 97.453 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	216219		
61	162.7	0.0	325.8	
98	63.6	0.0	127.0	

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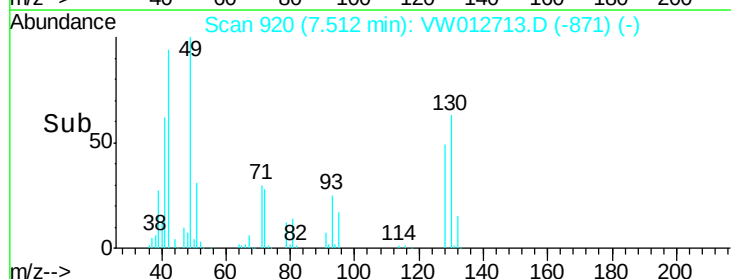
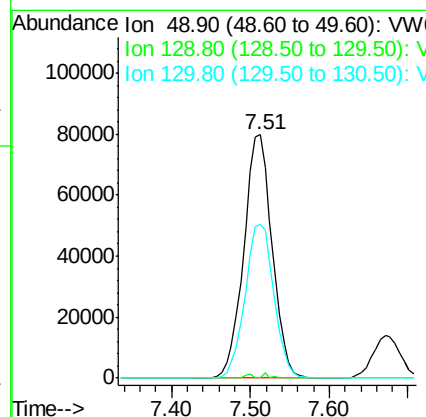
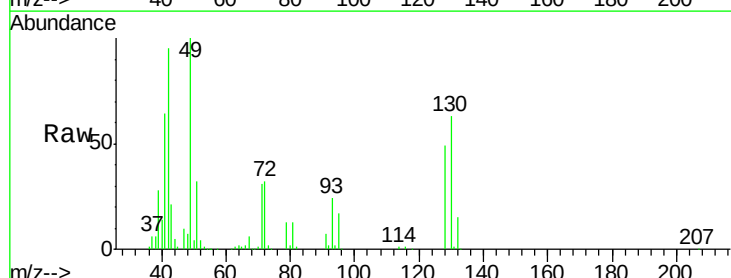
MMDadoda
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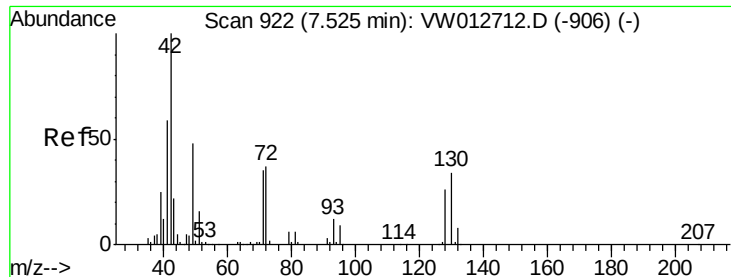


#28

Bromochloromethane
 Concen: 104.768 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	199300		
129	0.5	0.0	0.8	
130	64.5	49.8	74.8	





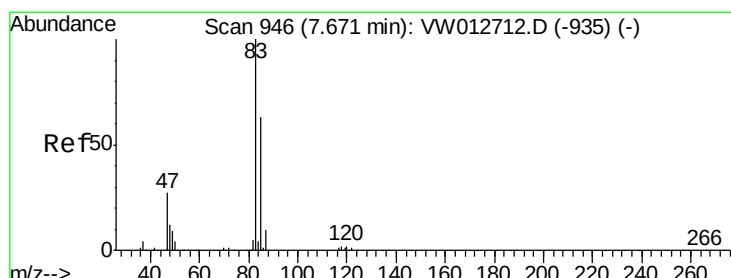
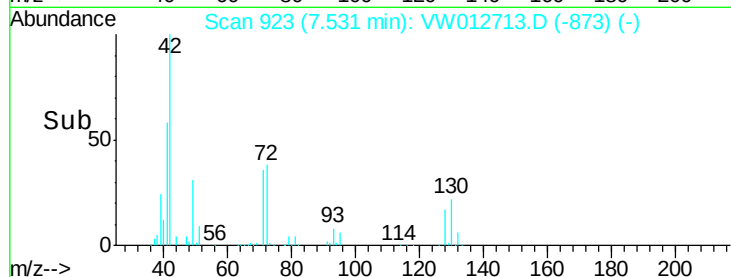
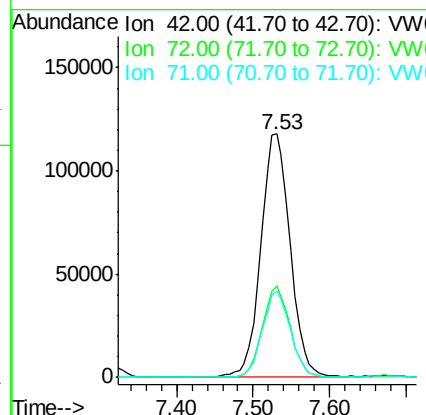
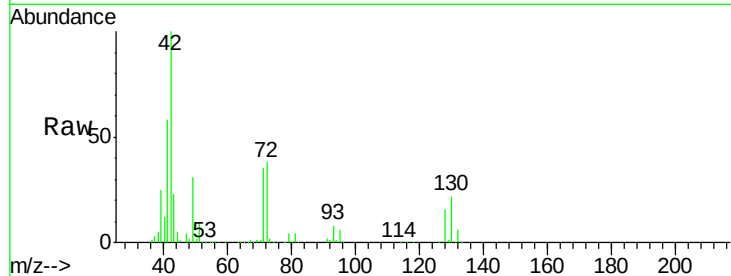
#29
Tetrahydrofuran
Concen: 563.159 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	28.4	42.6
71	34.1	27.1	40.7

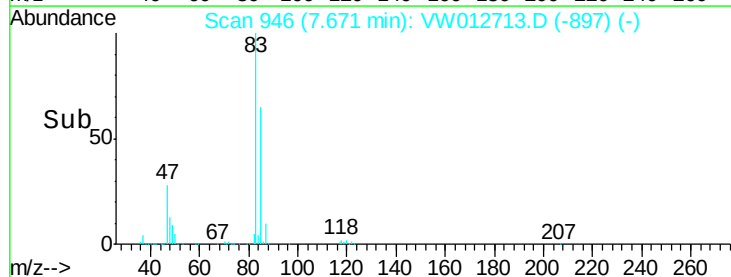
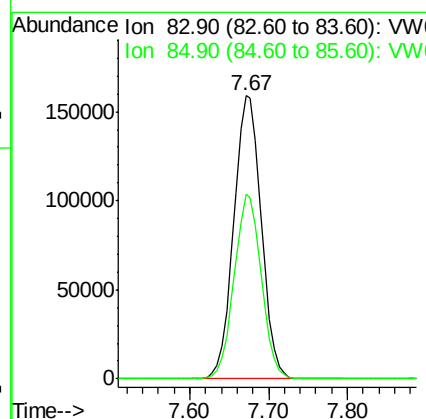
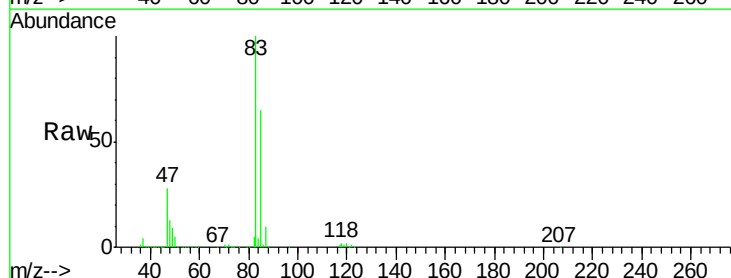
Manual Integrations
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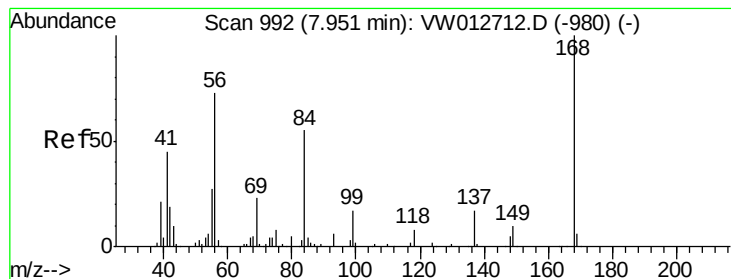
MMDadoda
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#30
Chloroform
Concen: 93.672 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.6	76.0





#31

Cyclohexane

Concen: 87.233 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

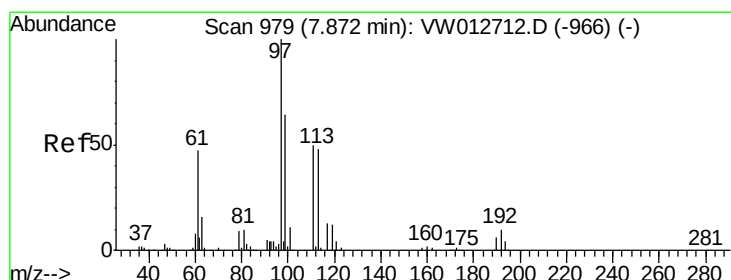
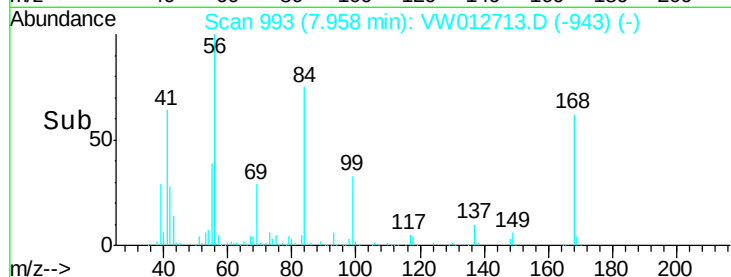
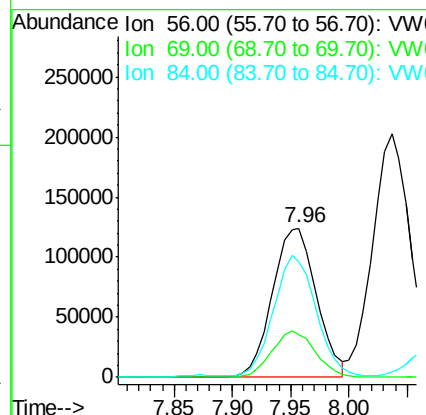
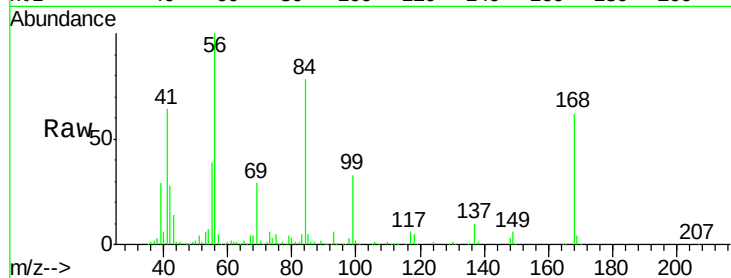
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	325351
Ion Ratio	Lower	Upper	
56	100		
69	28.9	25.7	38.5
84	76.2	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 96.226 ug/l

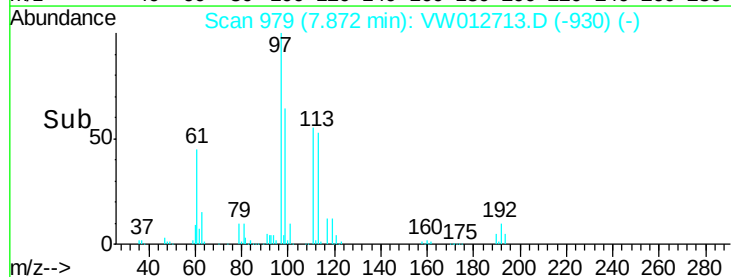
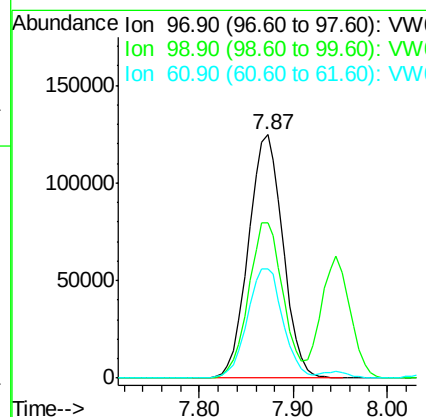
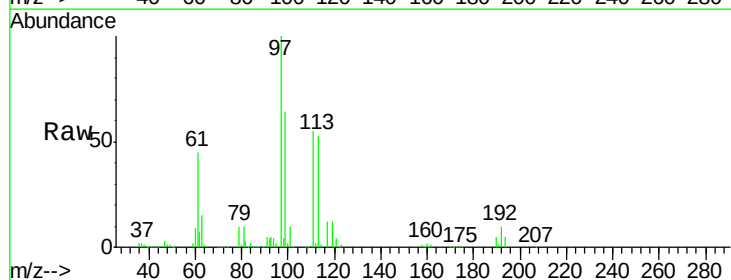
RT: 7.87 min Scan# 979

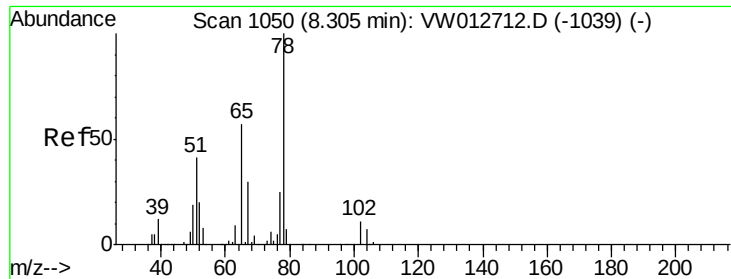
Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tgt Ion:	97	Resp:	320255
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.5	77.3
61	46.1	37.9	56.9





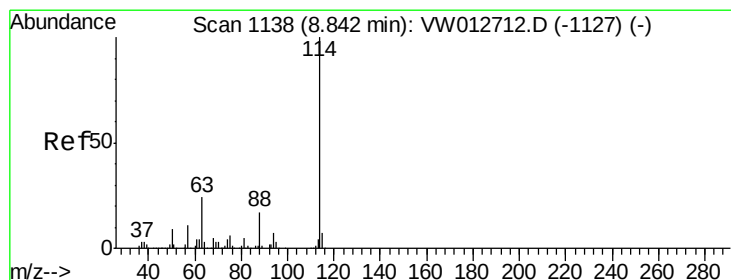
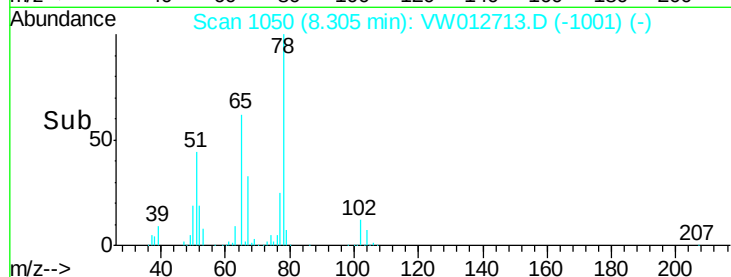
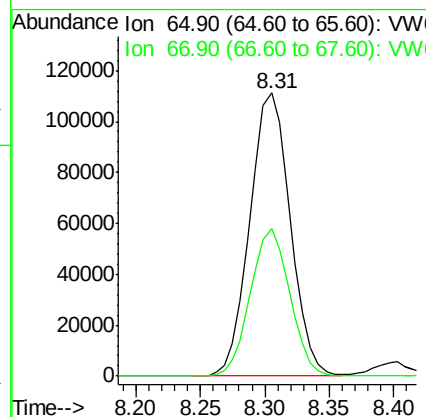
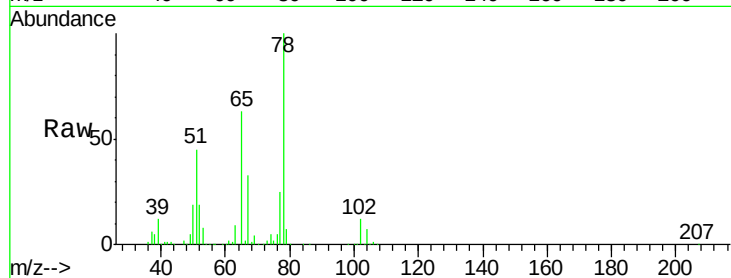
#33
 1,2-Dichloroethane-d4
 Concen: 95.340 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	241904		
67	51.0	0.0	101.8	

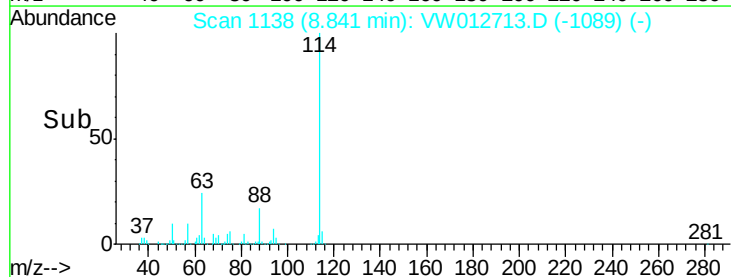
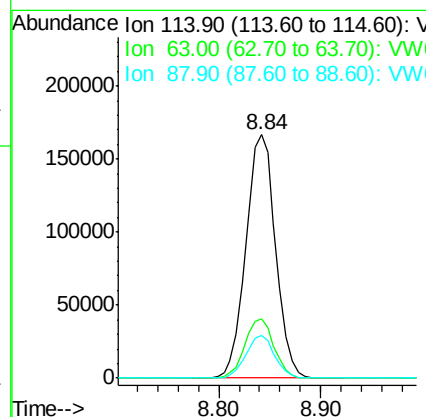
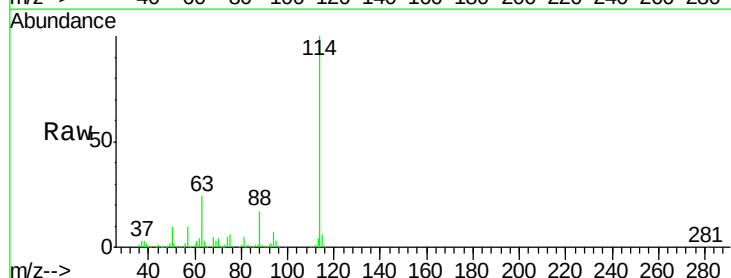
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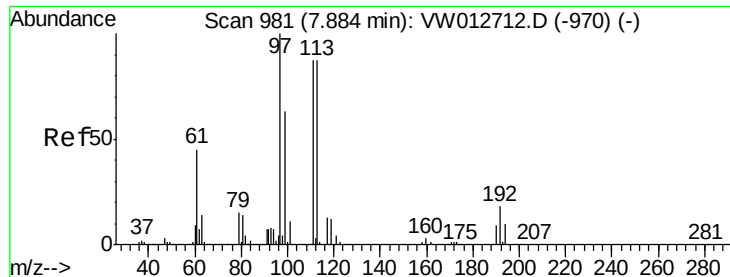
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	335148		
63	24.3	0.0	47.2	
88	17.4	0.0	34.0	





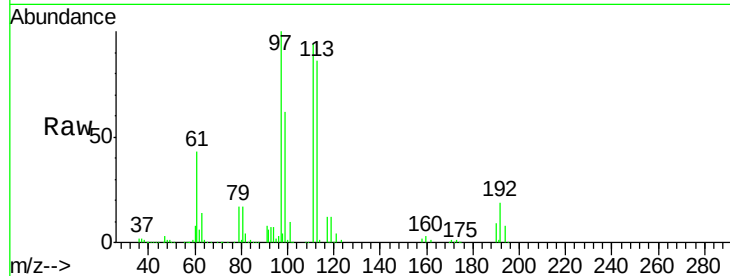
#35
 Dibromofluoromethane
 Concen: 96.272 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

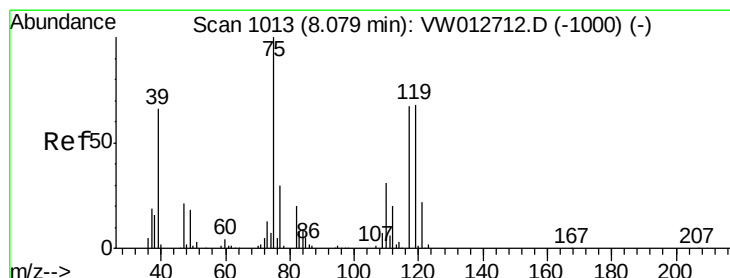
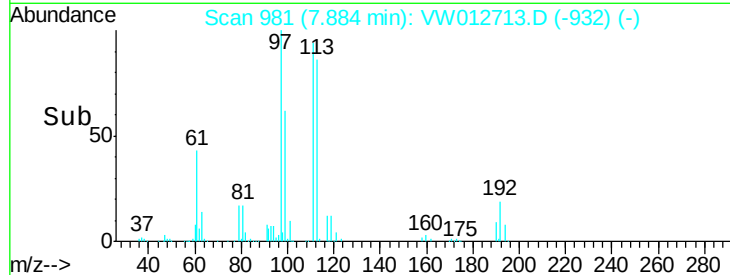
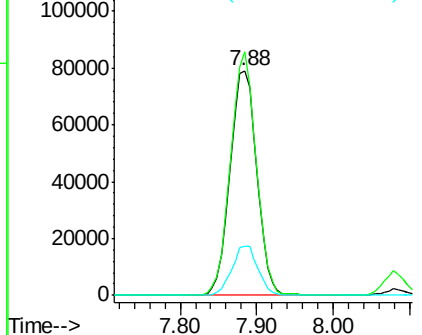
Tot Ion	Ratio	Resp	Lower	Upper
113	100	191827		
111	103.4	80.2	120.4	
192	21.4	17.3	25.9	

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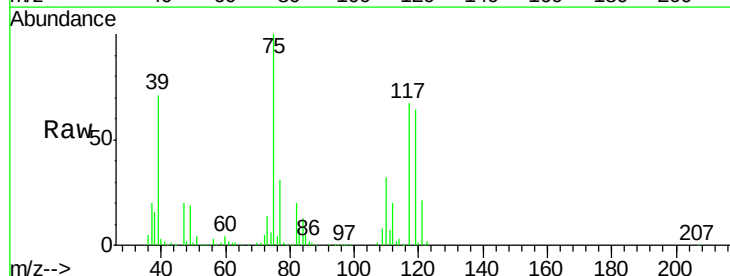


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

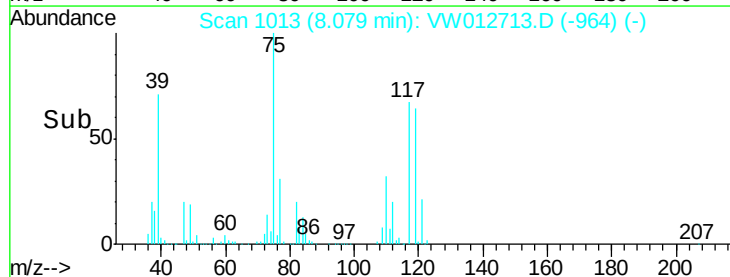
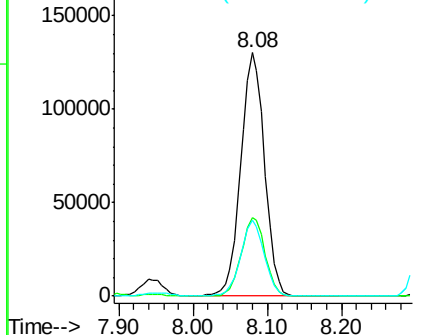


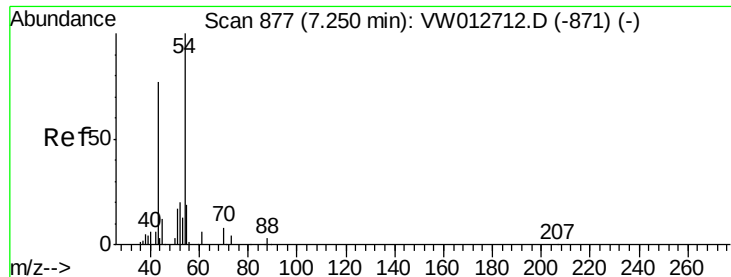
#36
 1,1-Dichloropropene
 Concen: 97.999 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	291829		
110	32.2	15.9	47.7	
77	30.8	25.0	37.4	



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





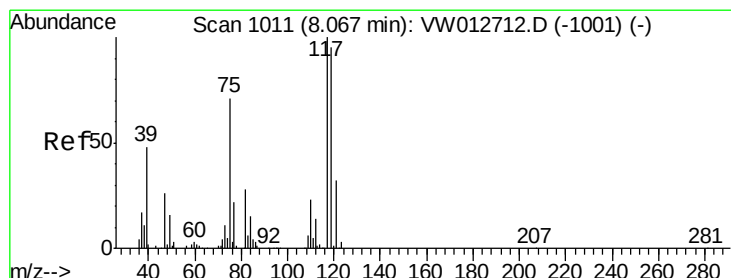
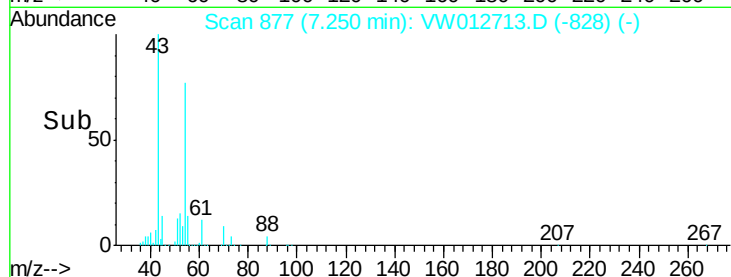
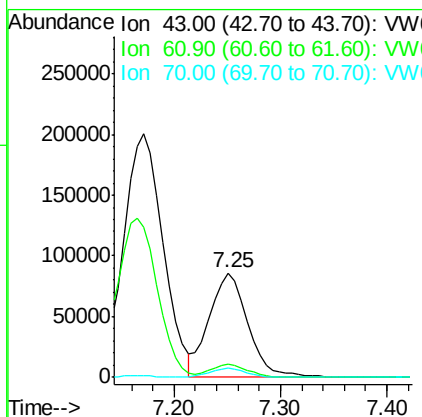
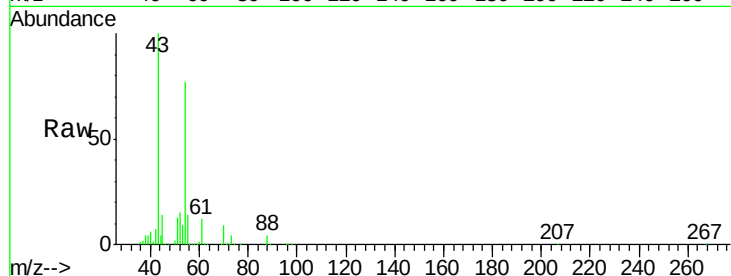
#37
Ethyl Acetate
Concen: 112.874 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
43	100	214271		
61	12.0		9.5	14.3
70	8.6		7.0	10.6

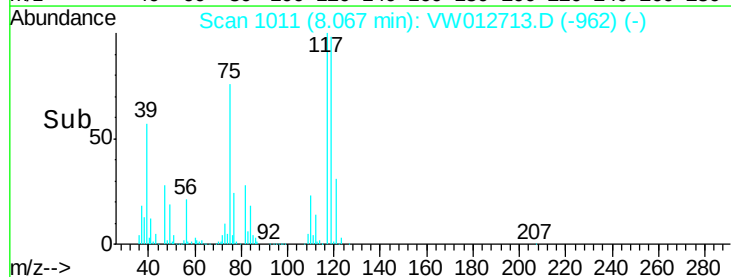
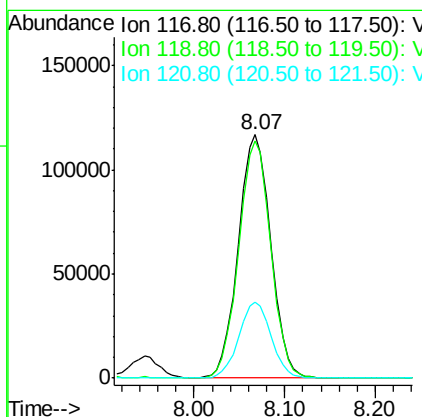
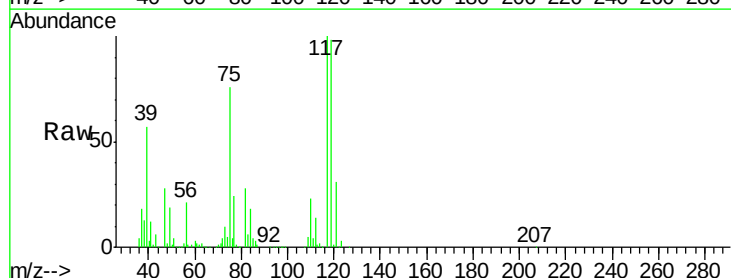
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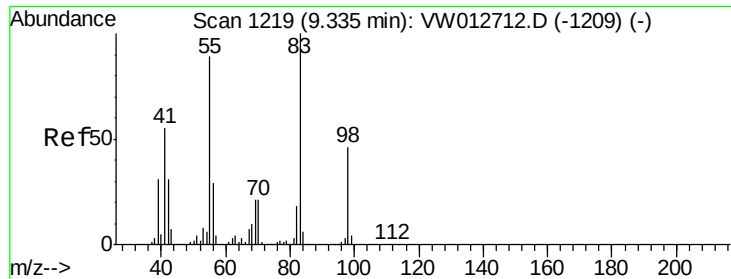
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#38
Carbon Tetrachloride
Concen: 98.657 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	289602		
119	97.7		76.2	114.2
121	31.1		25.4	38.2





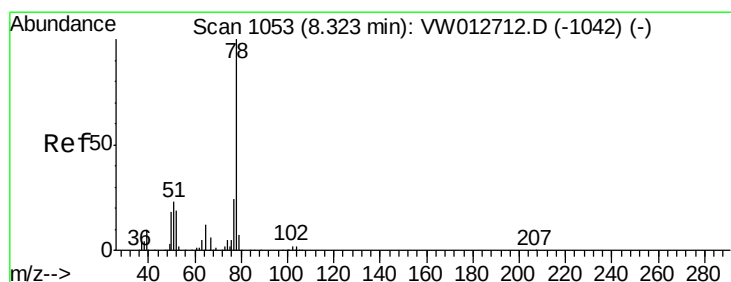
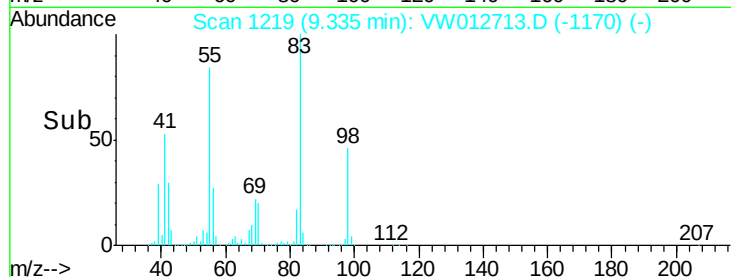
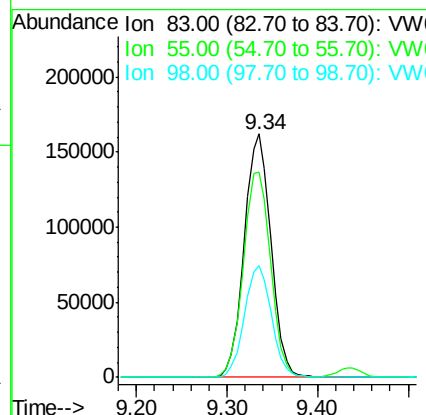
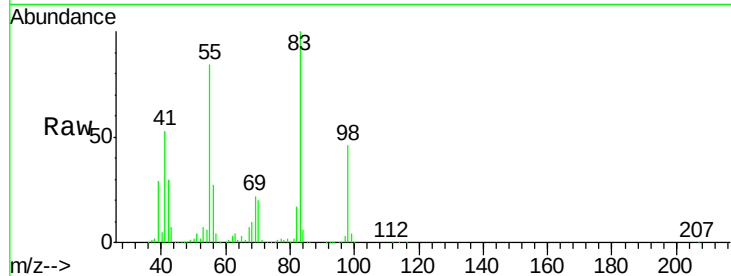
#39
Methylvlcyclohexane
Concen: 98.780 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.3	71.0	106.4	
98	45.8	36.9	55.3	

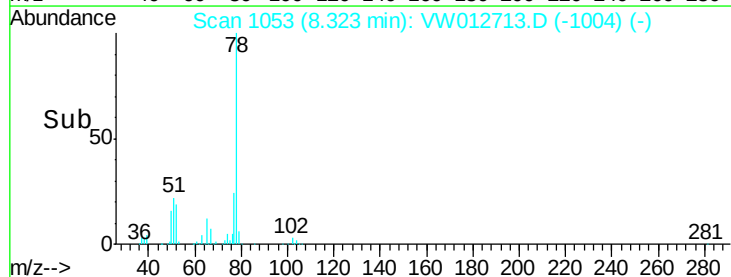
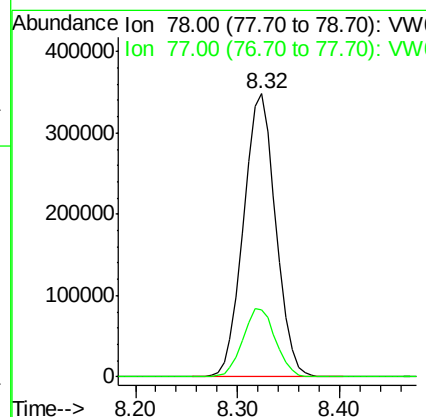
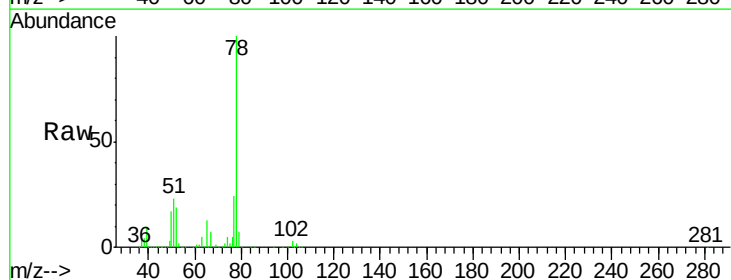
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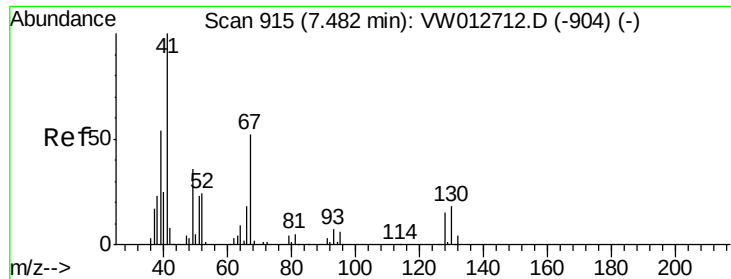
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#40
Benzene
Concen: 92.371 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.3	28.9	





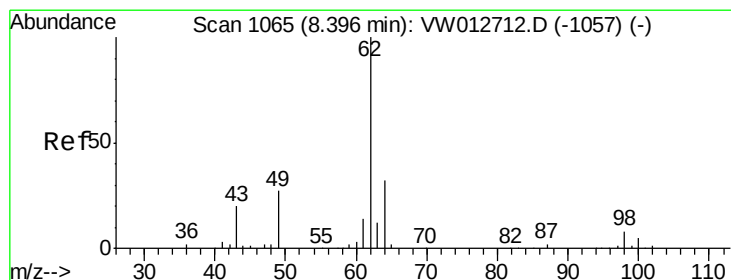
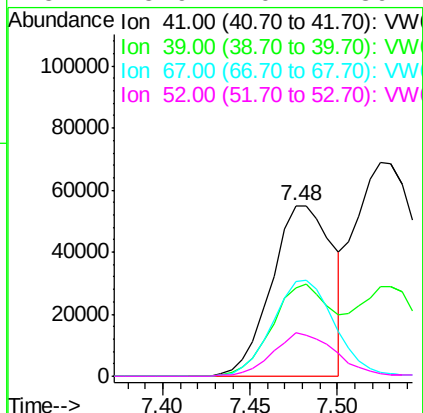
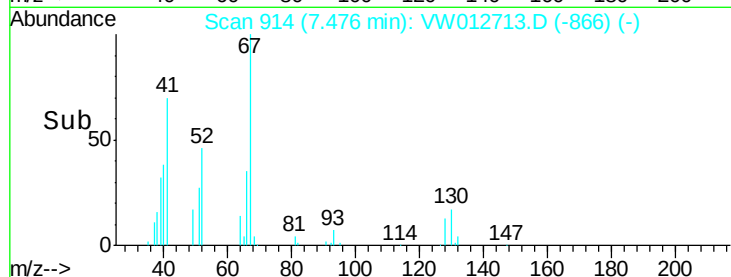
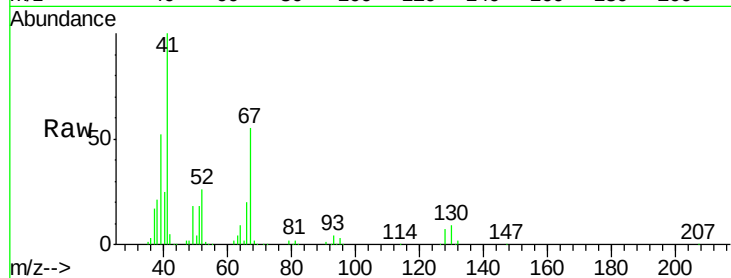
#41
Methacrylonitrile
Concen: 117.094 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		134023		
39	52.1	47.5	71.3		
67	57.7	45.1	67.7		
52	25.9	20.2	30.2		

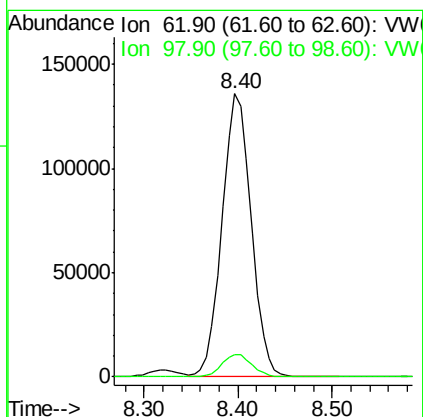
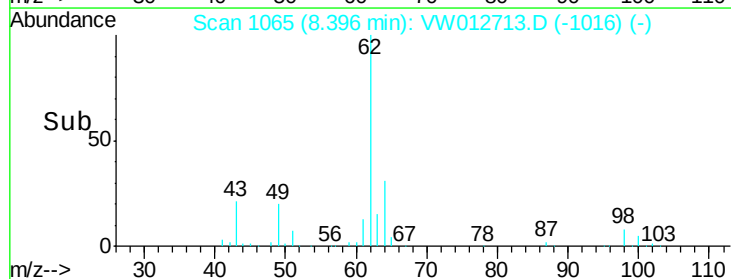
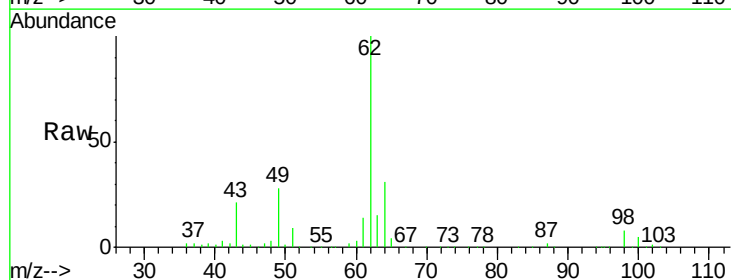
Manual Integrations
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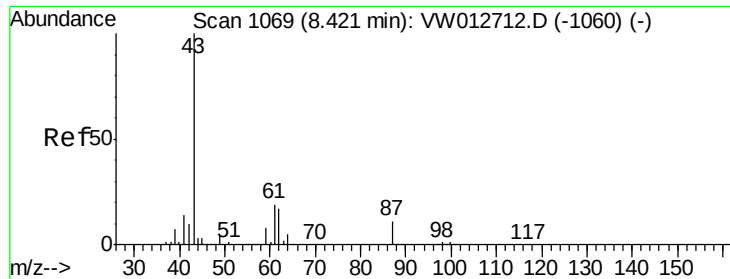
MMDadoda
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#42
1,2-Dichloroethane
Concen: 100.370 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		291852		
98	8.1	0.0	16.2		





#43

Isopropyl Acetate

Concen: 111.547 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

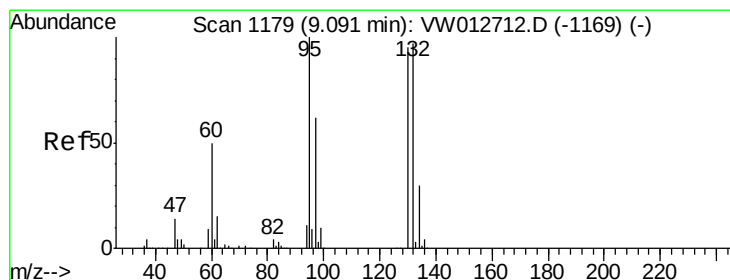
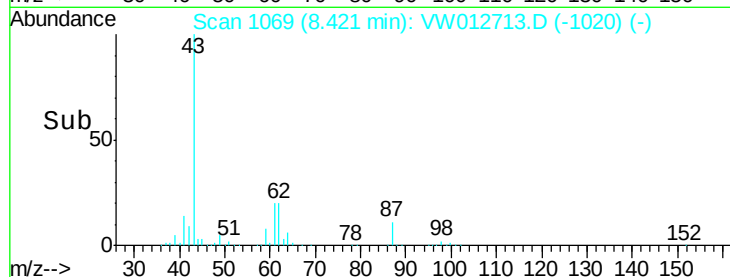
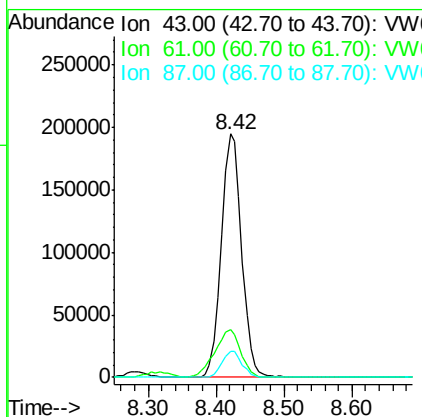
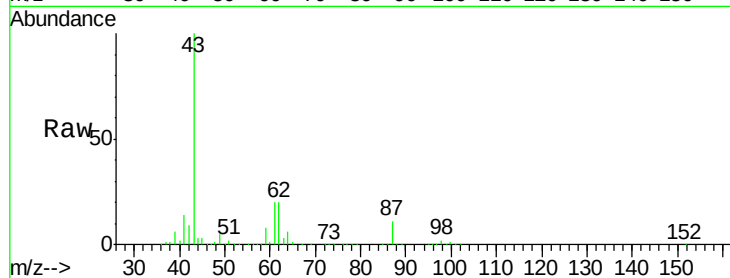
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	401177
Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.6	30.8
87	10.7	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 97.827 ug/l

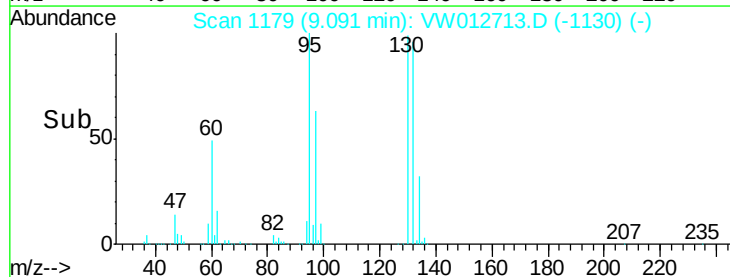
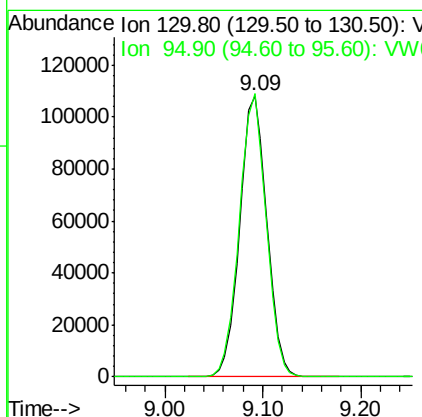
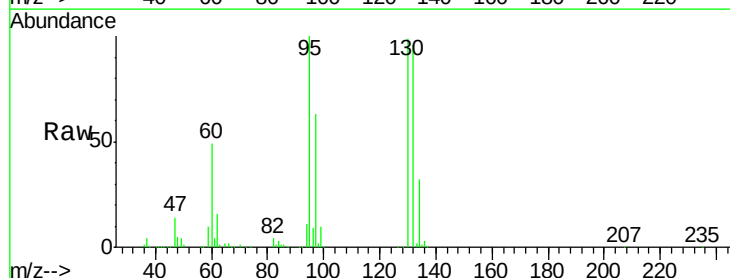
RT: 9.09 min Scan# 1179

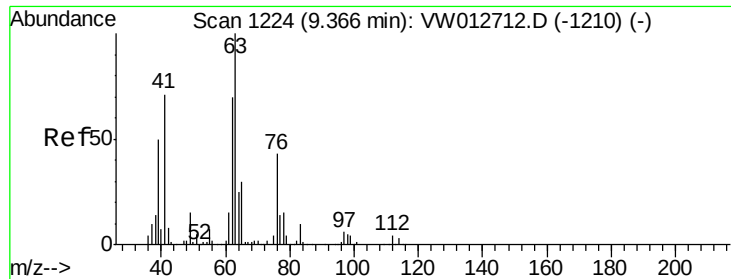
Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tgt Ion:	130	Resp:	208345
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	210.6





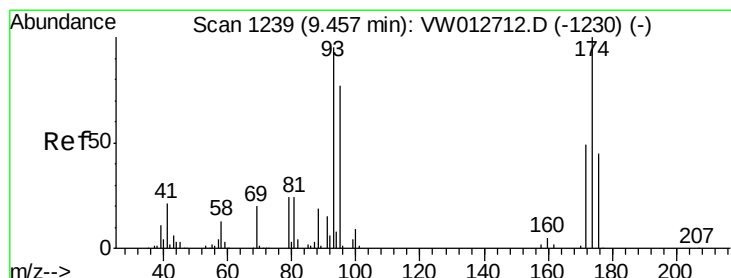
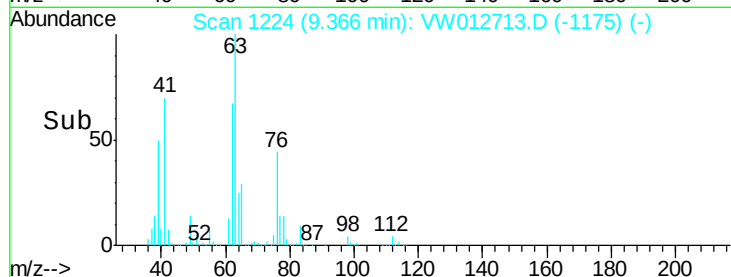
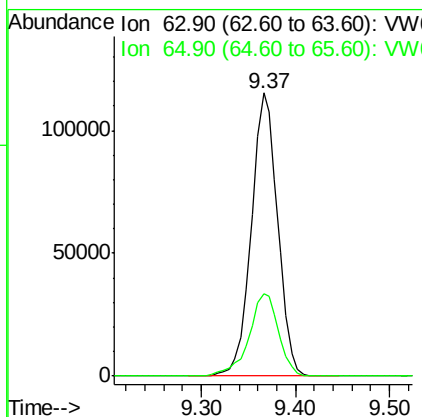
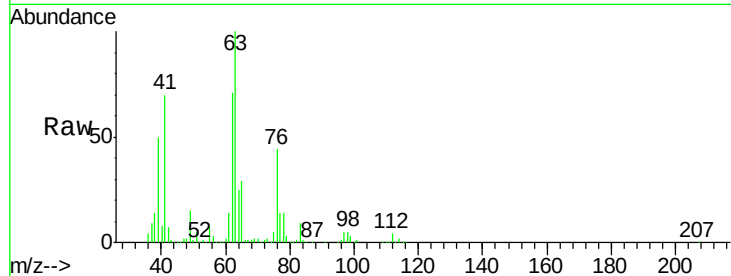
#45
 1,2-Dichloropropane
 Concen: 98.855 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 226529
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.8 35.8

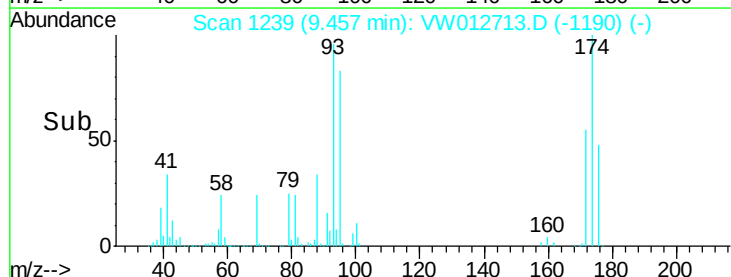
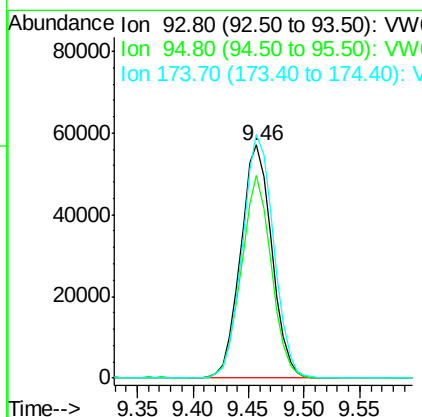
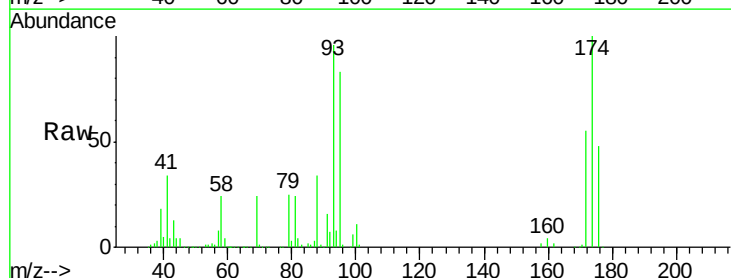
Manual Integrations
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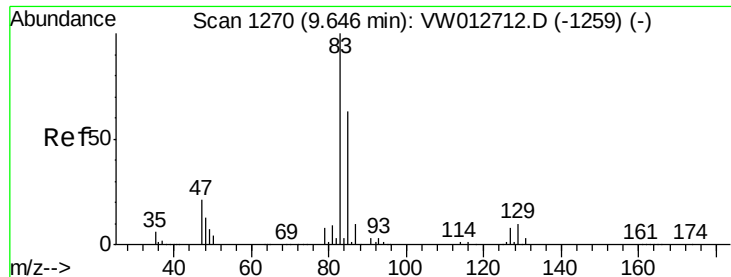
MMDadoda
 9/10/2019 1:02:34 PM



#46
 Dibromomethane
 Concen: 102.331 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion: 93 Resp: 111042
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.2 97.8
 174 105.1 84.2 126.4





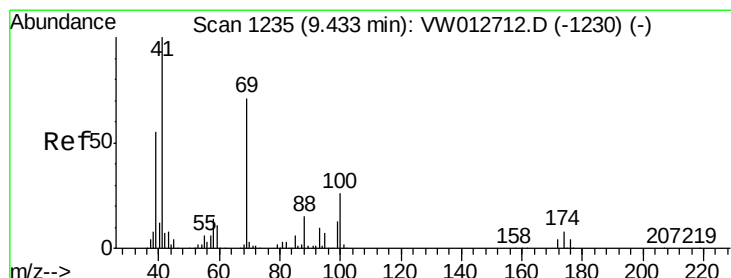
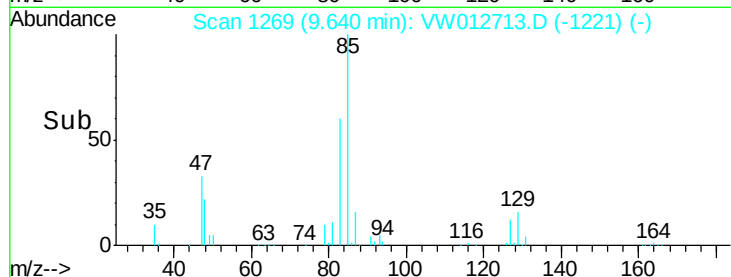
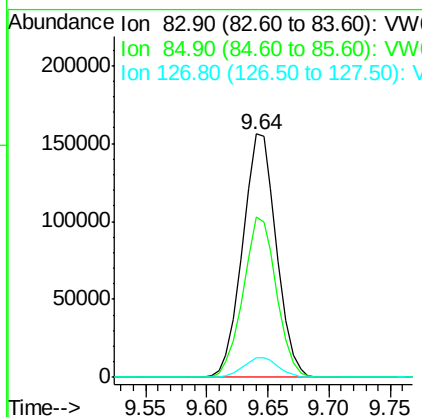
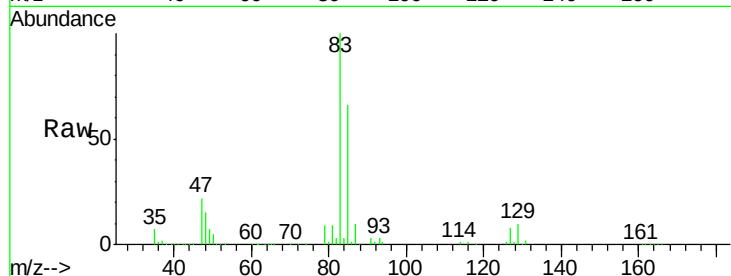
#47
Bromodichloromethane
Concen: 100.053 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	298701		
85	65.7		50.2	75.2
127	8.0		6.6	9.8

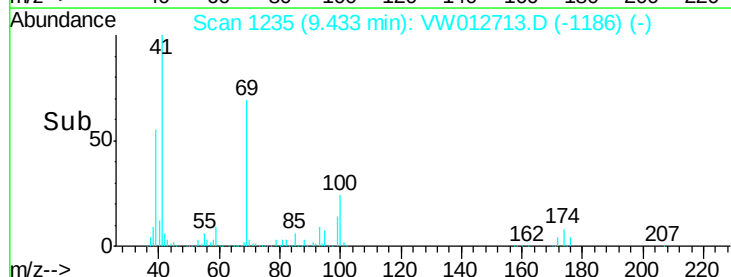
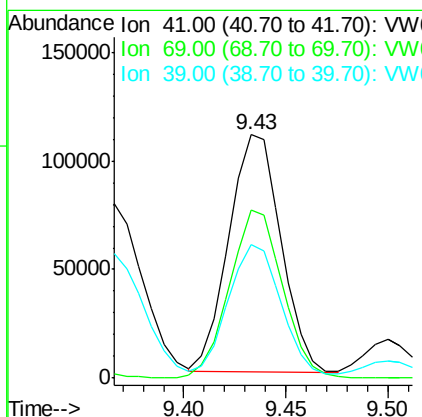
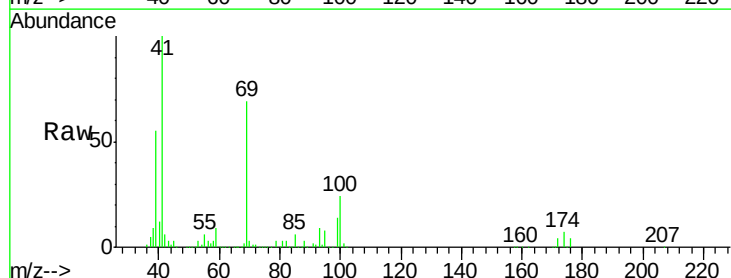
Manual Integrations
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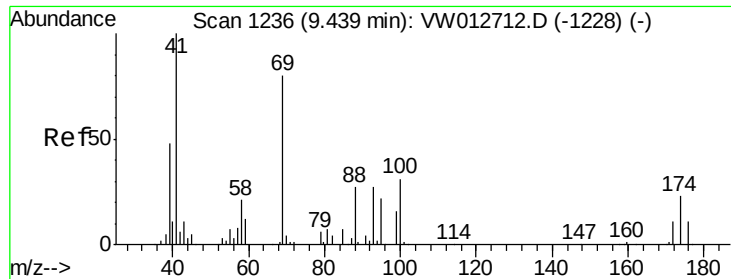
MMDadoda
9/10/2019 1:02:34 PM



#48
Methyl methacrylate
Concen: 112.596 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	193521		
69	72.5		59.8	89.8
39	54.2		47.0	70.6





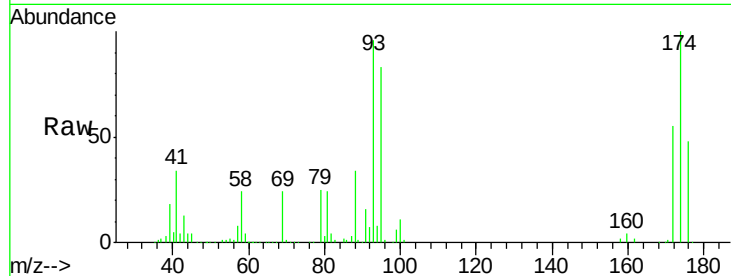
#49
1,4-Dioxane
Concen: 2201.782 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.02 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	47194
Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	82.9	64.1	96.1

Manual Integrations
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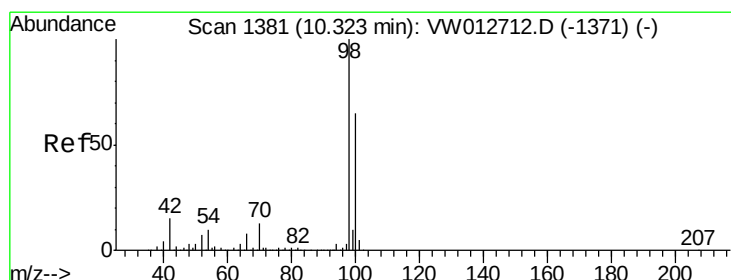
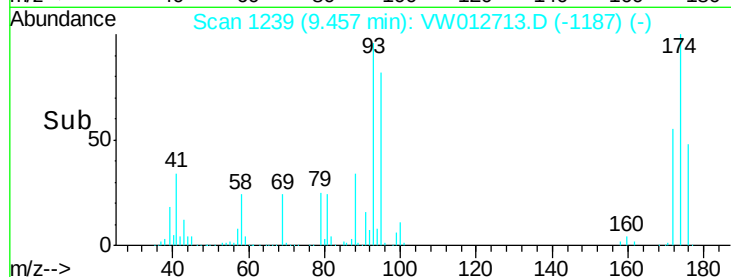
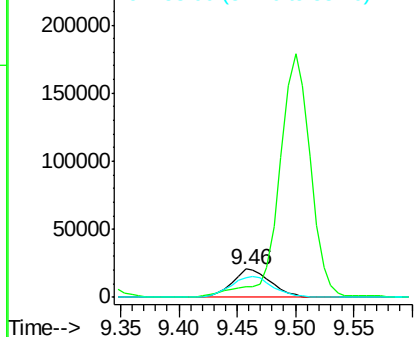


Abundance

Ion 88.00 (87.70 to 88.70): VW

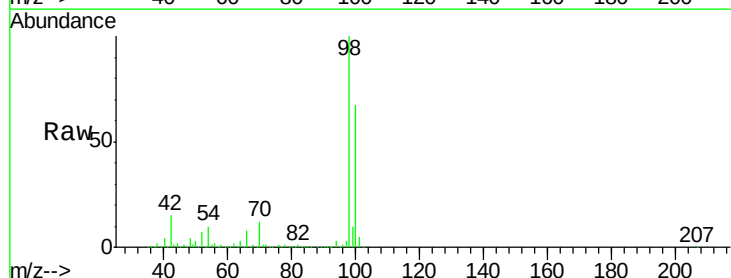
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 101.247 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

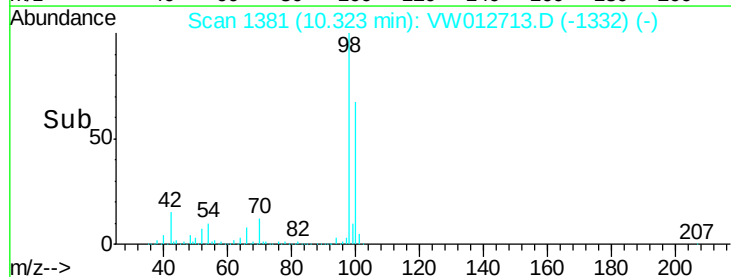
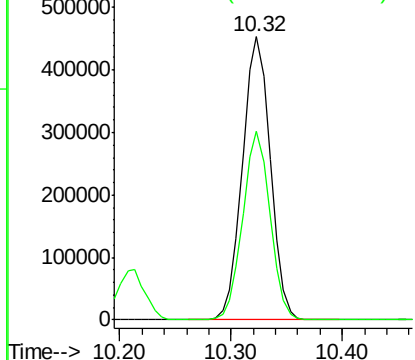
Tgt Ion	98	Resp	790369
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.4

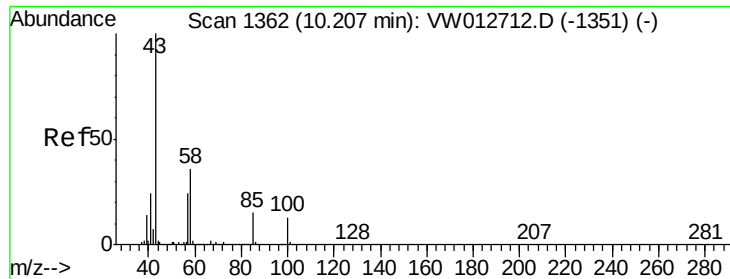


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





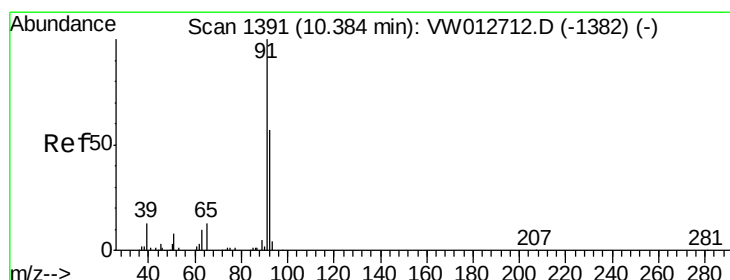
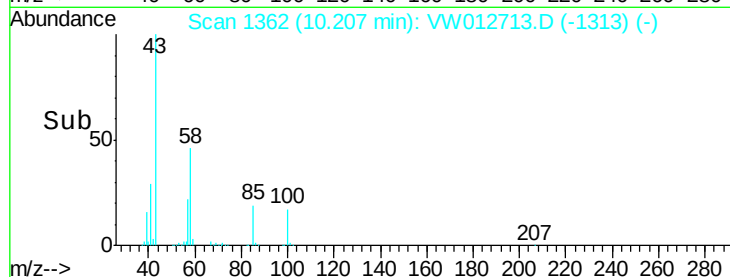
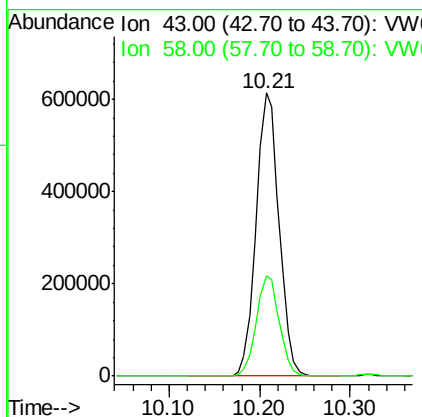
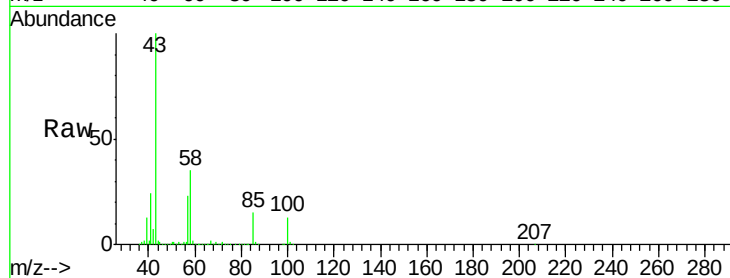
#51
4-Methyl-2-Pentanone
Concen: 567.674 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1071301
Ion Ratio Lower Upper
43 100
58 35.5 28.4 42.6

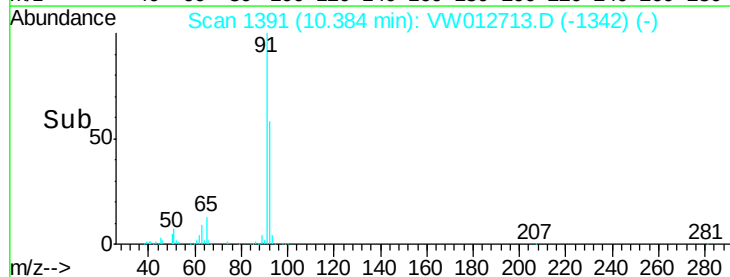
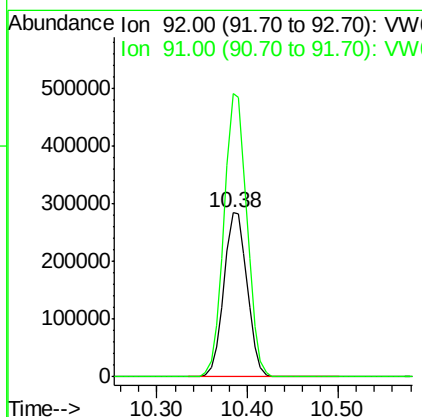
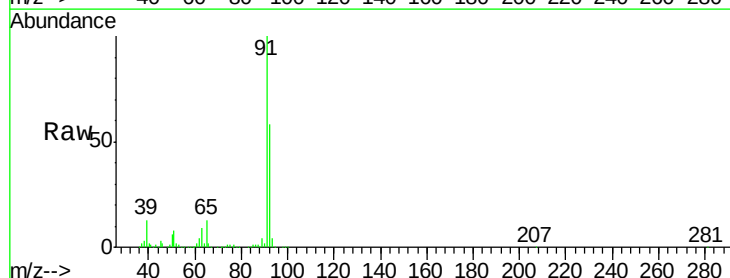
Manual Integrations
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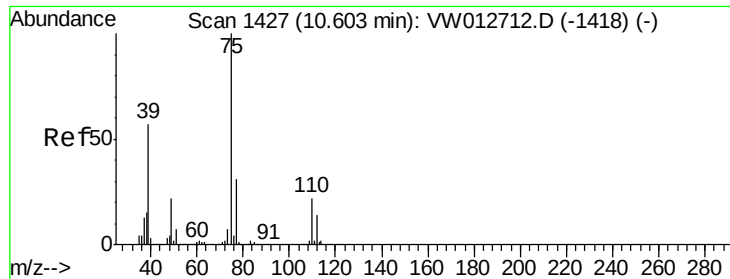
MMDadoda
9/10/2019 1:02:34 PM



#52
Toluene
Concen: 98.734 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion: 92 Resp: 509149
Ion Ratio Lower Upper
92 100
91 170.4 137.0 205.4





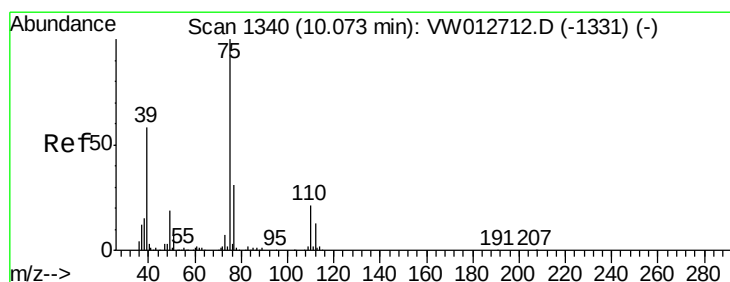
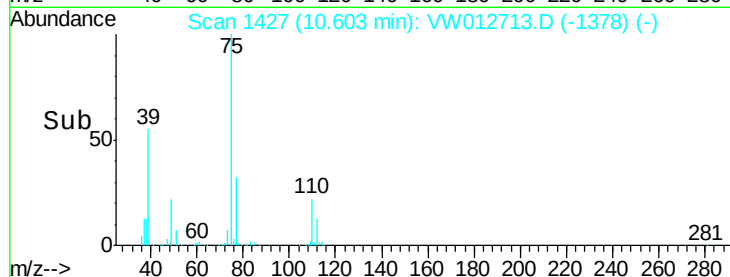
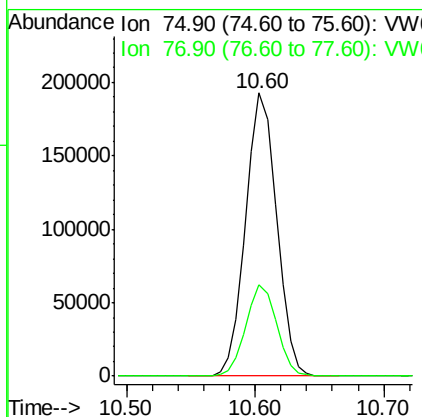
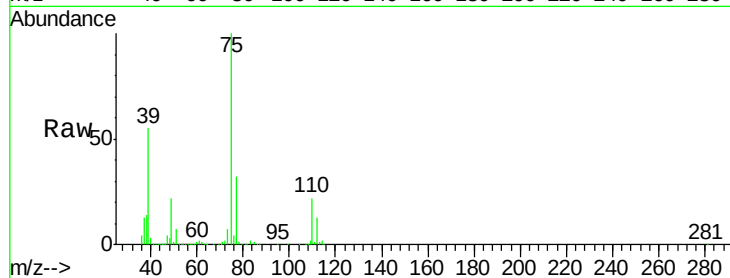
#53
t-1,3-Dichloropropene
Concen: 104.738 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.7	37.1

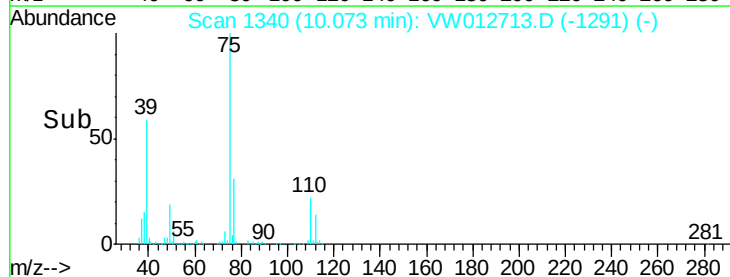
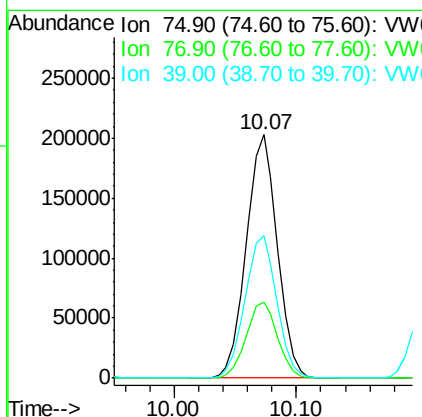
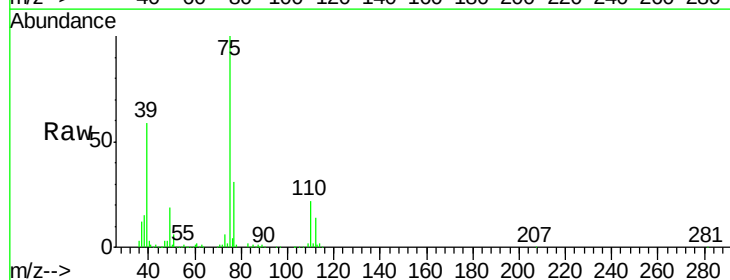
Manual Integrations
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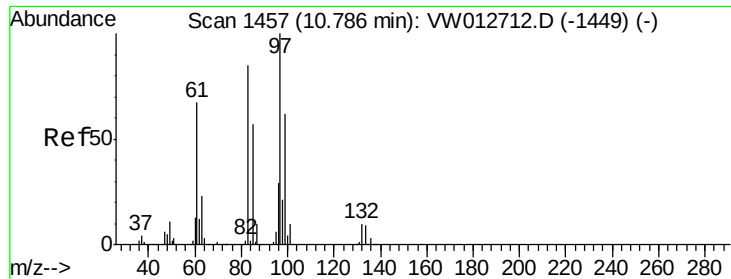
MMDadoda
9/10/2019 1:02:34 PM



#54
cis-1,3-Dichloropropene
Concen: 102.796 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.6	36.8
39	58.6	46.3	69.5





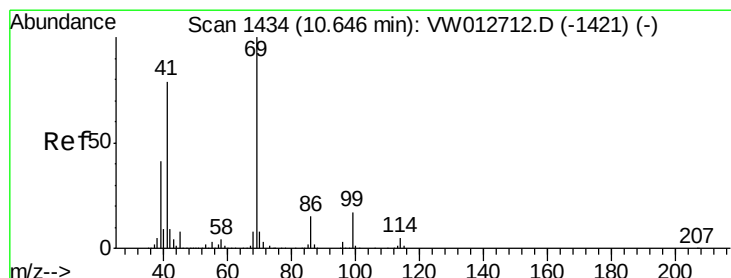
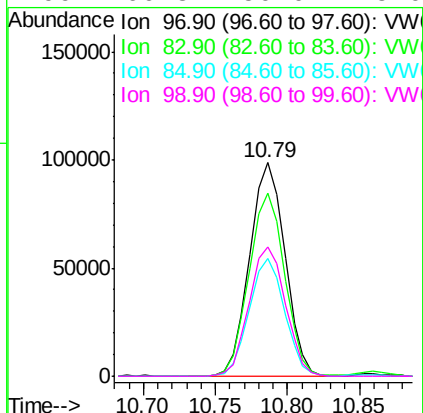
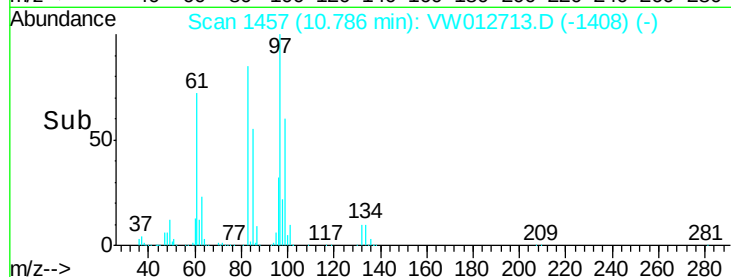
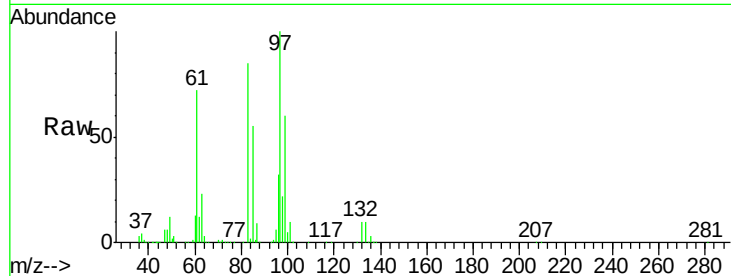
#55
 1,1,2-Trichloroethane
 Concen: 103.649 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	168384
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.1	102.1
85	55.1	45.3	67.9
99	60.3	50.0	75.0

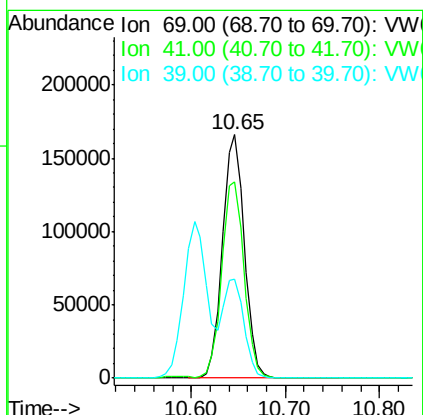
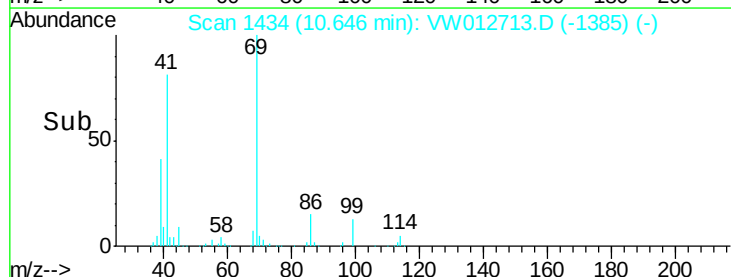
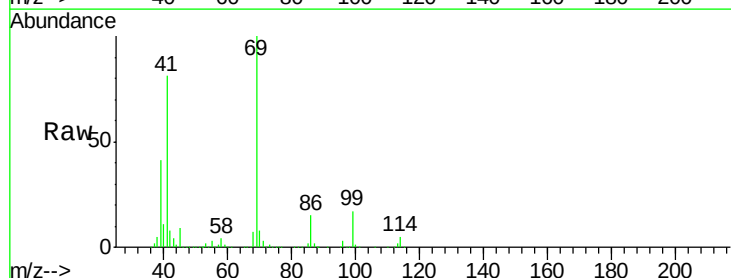
Manual Integrations
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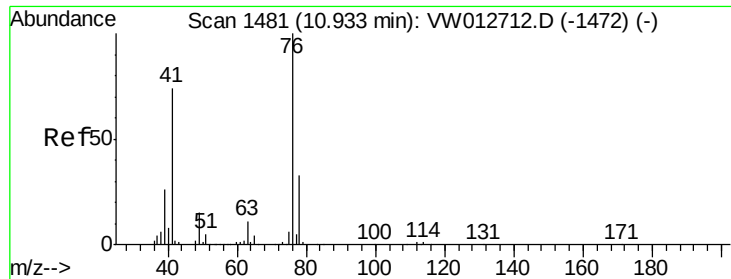
MMDadoda
 9/10/2019 1:02:34 PM



#56
 Ethyl methacrylate
 Concen: 112.374 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion:	69	Resp:	267232
Ion	Ratio	Lower	Upper
69	100		
41	81.6	64.4	96.6
39	38.2	31.1	46.7





#57

1,3-Dichloropropane

Concen: 100.691 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 302619

Ion Ratio Lower Upper

76 100

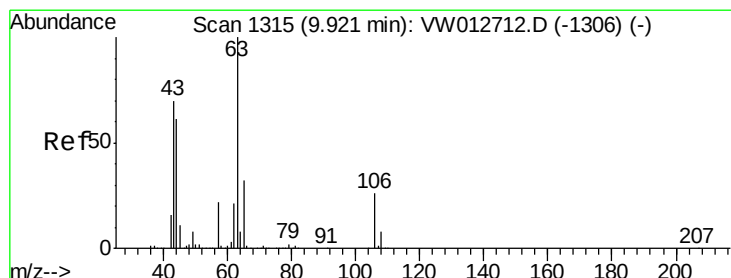
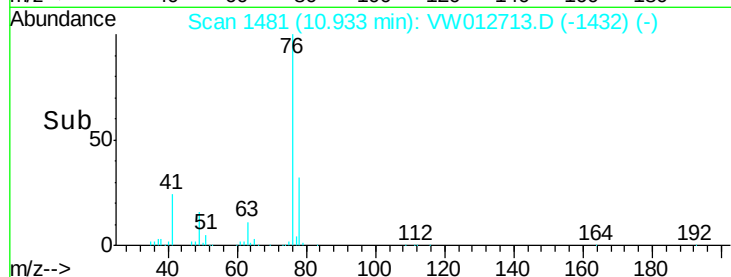
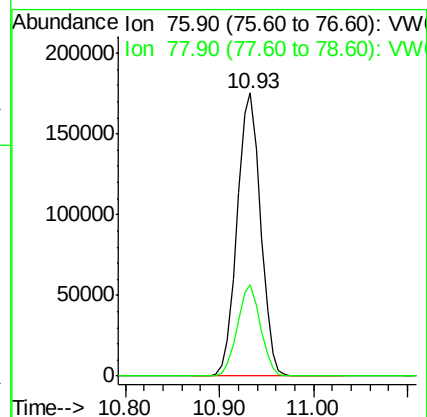
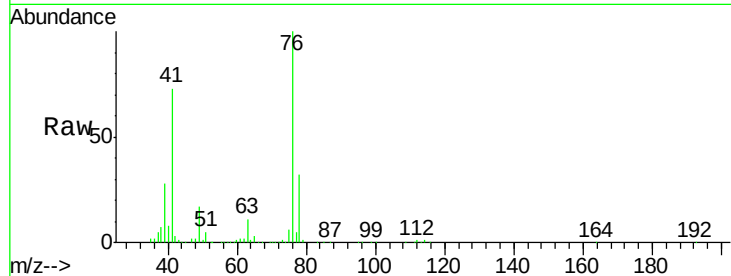
78 31.8 25.9 38.9

Manual Integrations

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9/10/2019 1:02:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 579.988 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012713.D

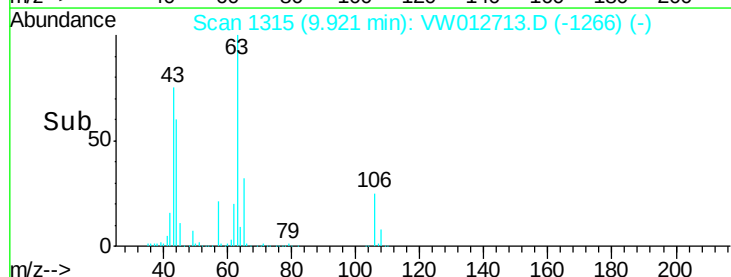
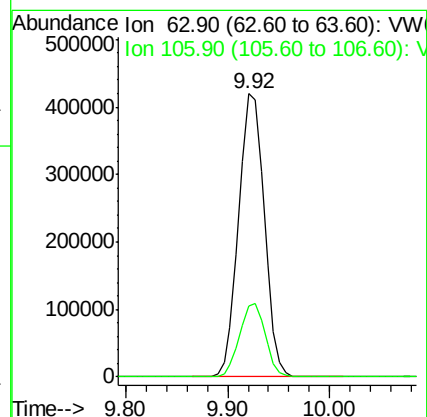
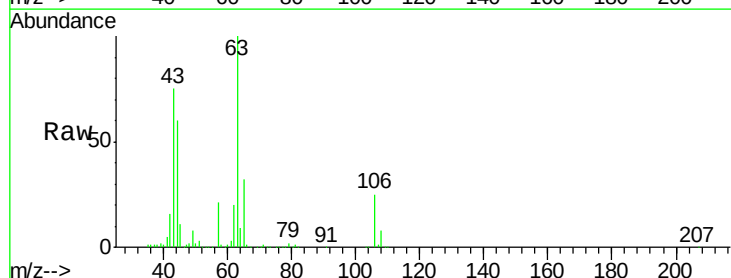
Acq: 07 Sep 2019 11:30

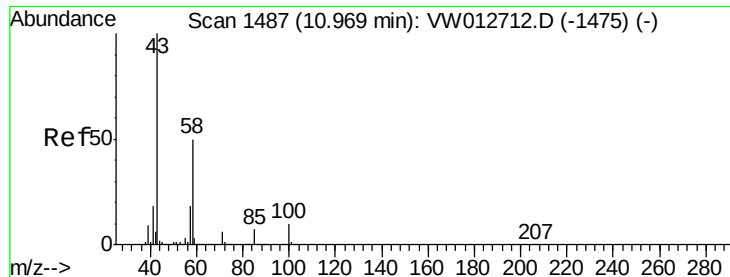
Tgt Ion: 63 Resp: 732212

Ion Ratio Lower Upper

63 100

106 26.1 20.5 30.7





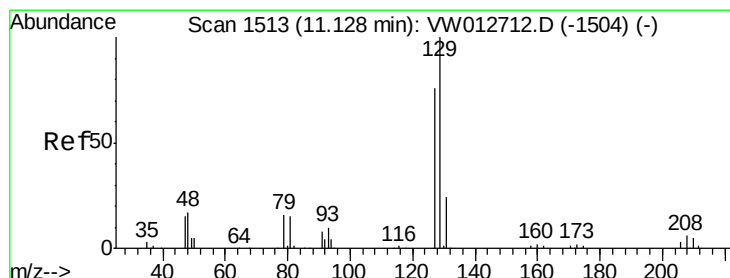
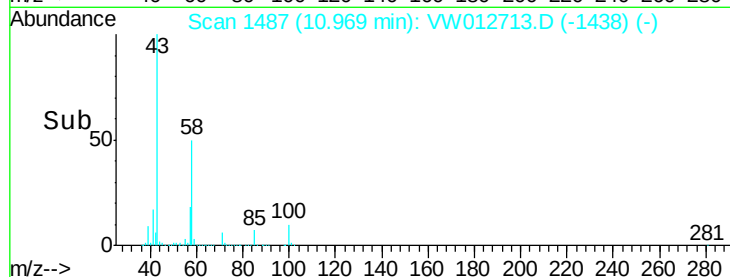
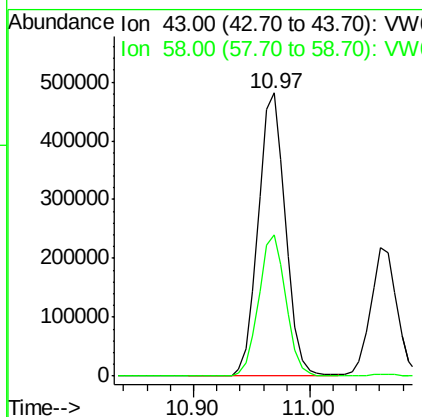
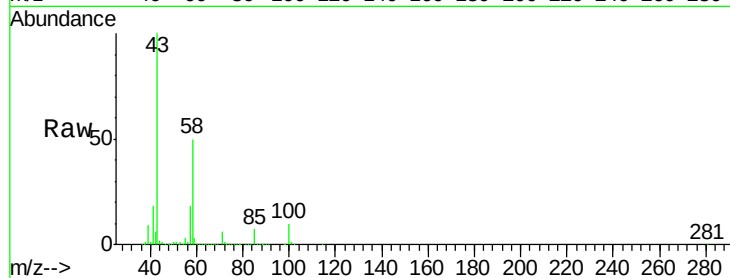
#59
2-Hexanone
Concen: 570.769 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.7	74.1

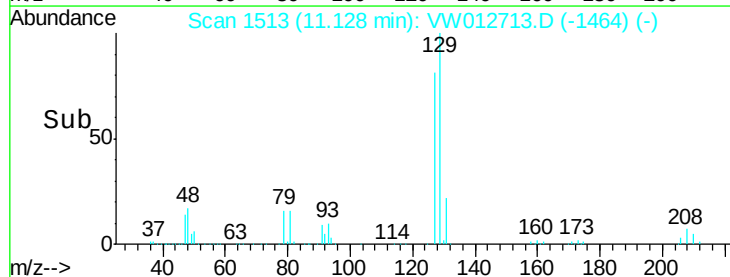
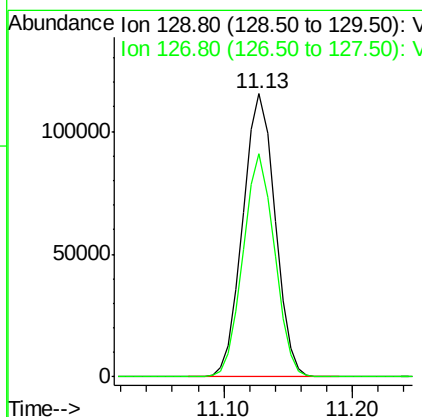
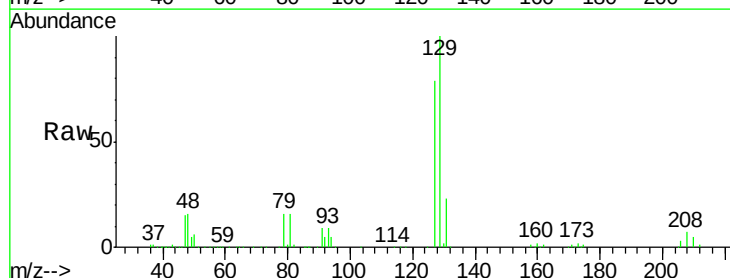
Manual Integrations
APPROVED

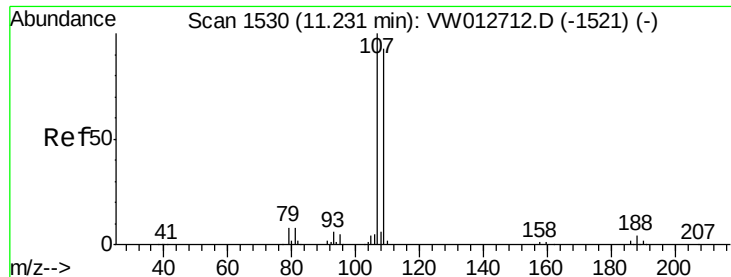
MMDadoda
9/10/2019 1:02:34 PM



#60
Dibromochloromethane
Concen: 104.665 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.8





#61

1,2-Dibromoethane

Concen: 104.852 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 156167

Ion Ratio Lower Upper

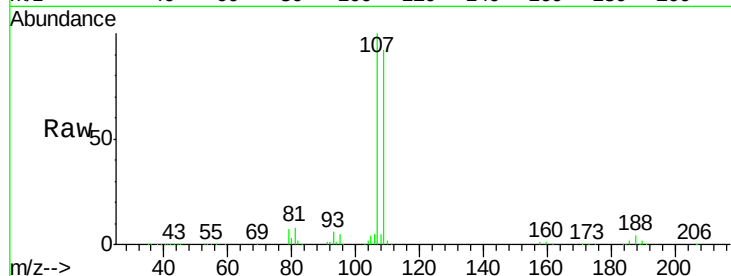
107 100

109 94.7 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

100000

80000

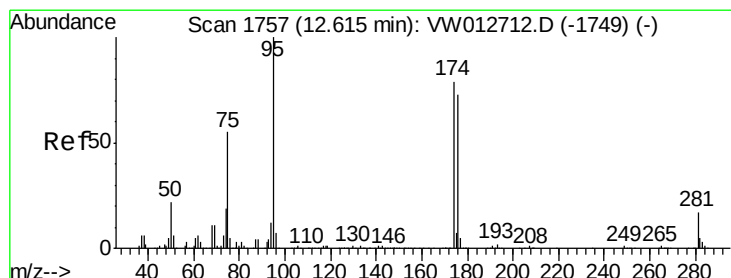
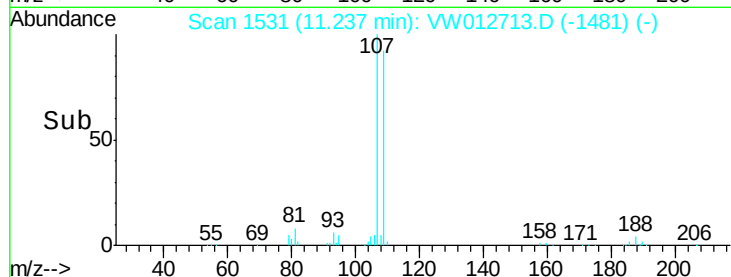
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 96.409 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

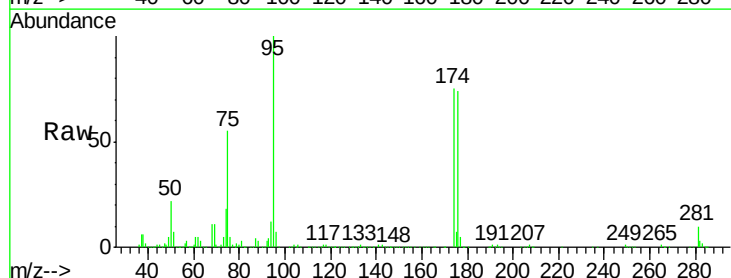
Tgt Ion: 95 Resp: 273217

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.0

176 77.6 0.0 156.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

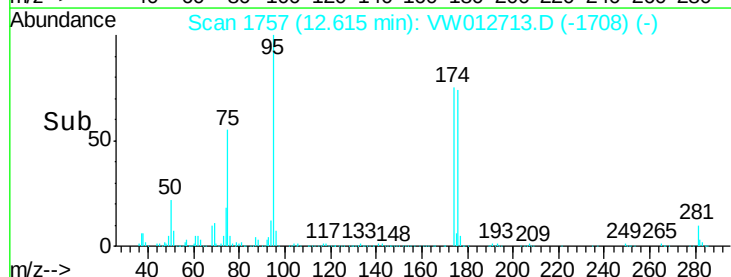
150000

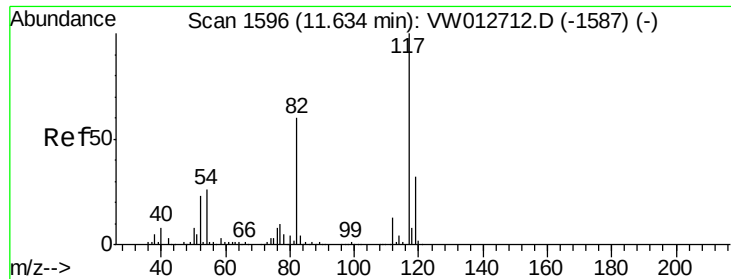
100000

50000

0

Time-->





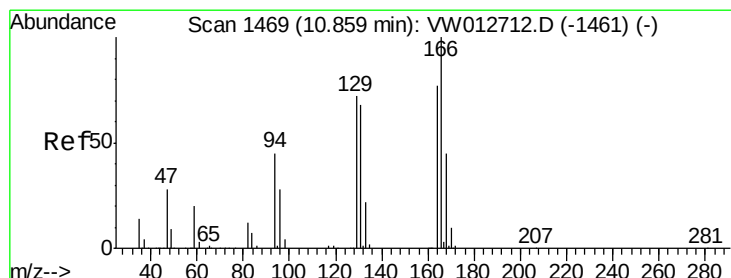
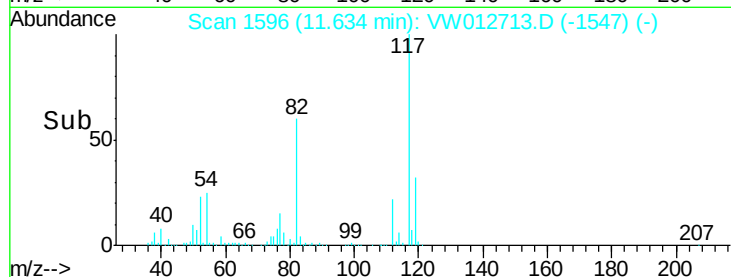
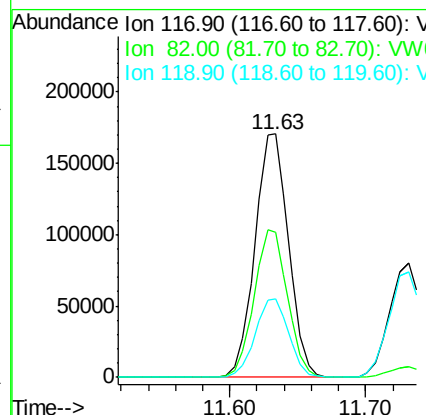
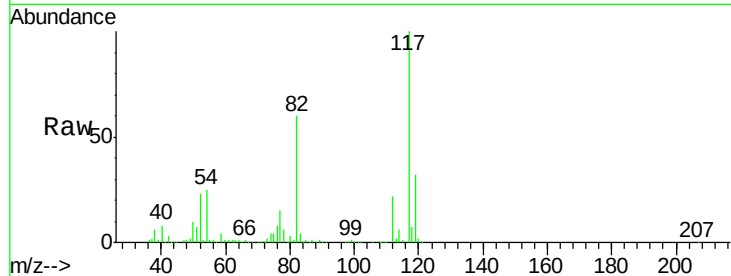
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296106		
82	59.7	48.2	72.4	
119	32.1	25.8	38.6	

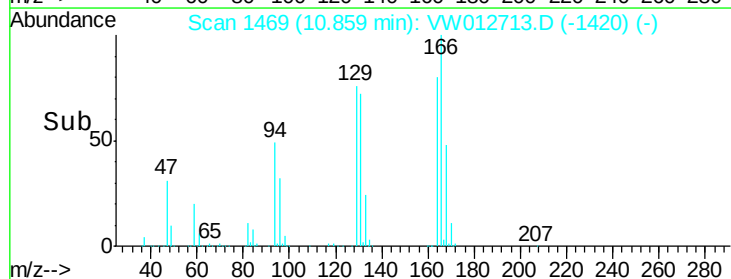
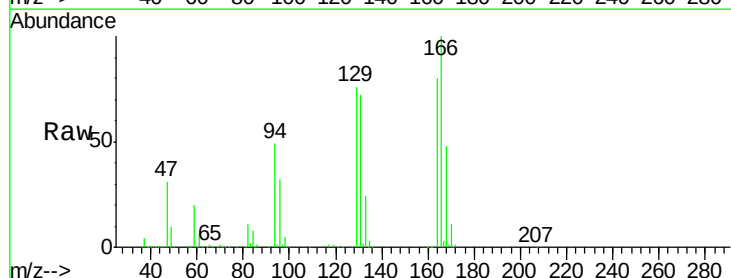
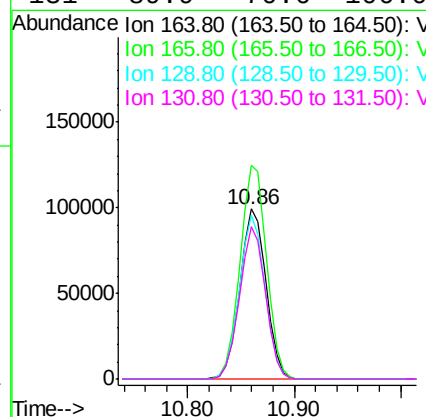
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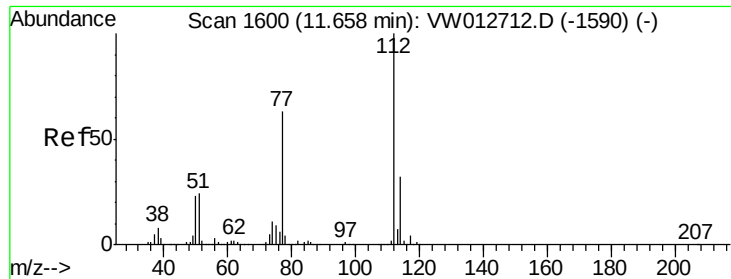
MMDadoda
9/10/2019 1:02:34 PM



#64
Tetrachloroethene
Concen: 95.255 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	171145		
166	125.5	103.6	155.4	
129	95.9	74.6	112.0	
131	89.9	70.6	106.0	





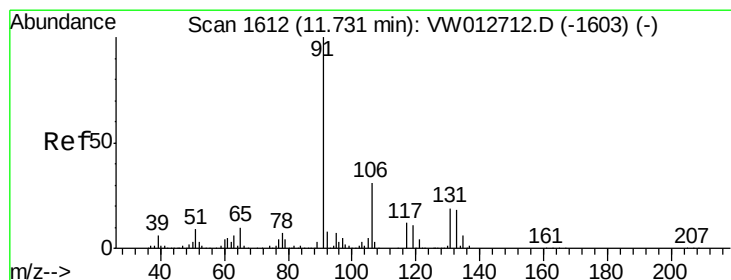
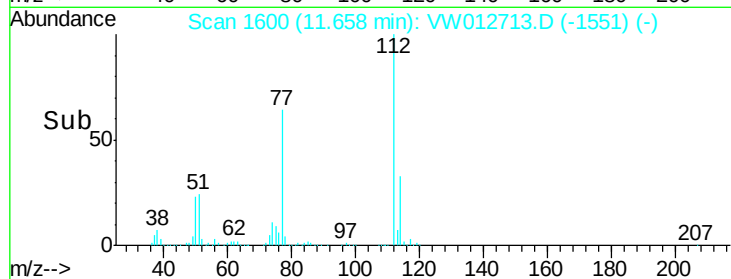
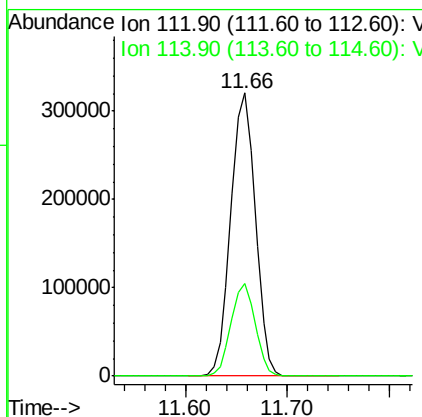
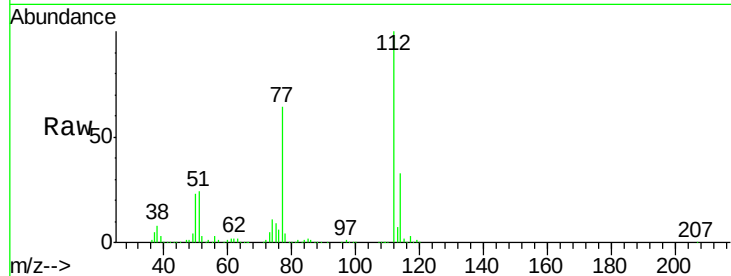
#65
Chlorobenzene
Concen: 95.609 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.3	37.9

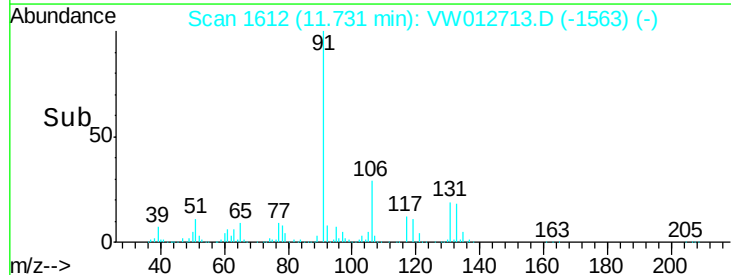
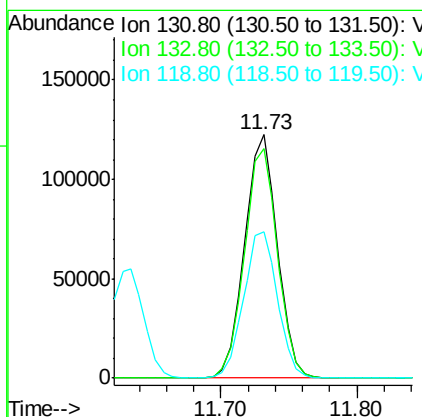
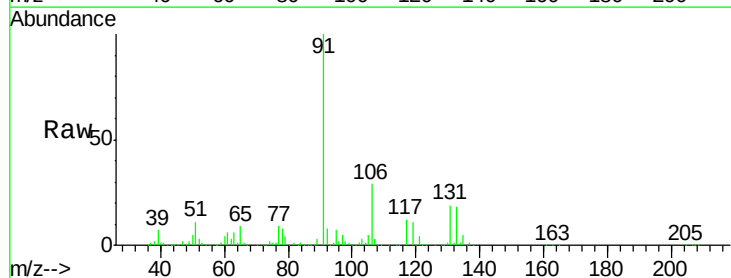
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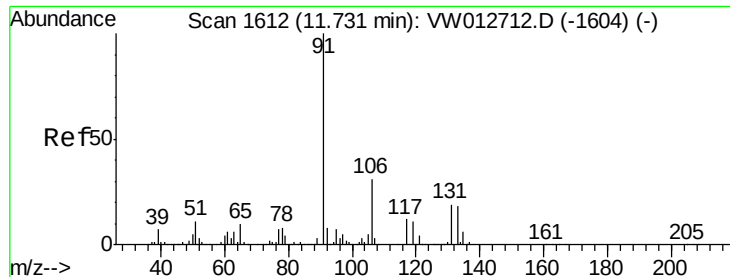
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#66
1,1,1,2-Tetrachloroethane
Concen: 98.837 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.6	142.8
119	62.2	30.6	92.0





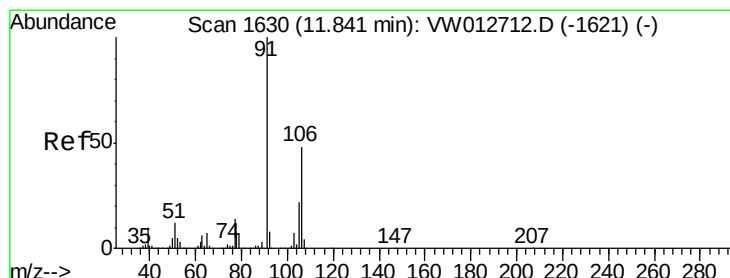
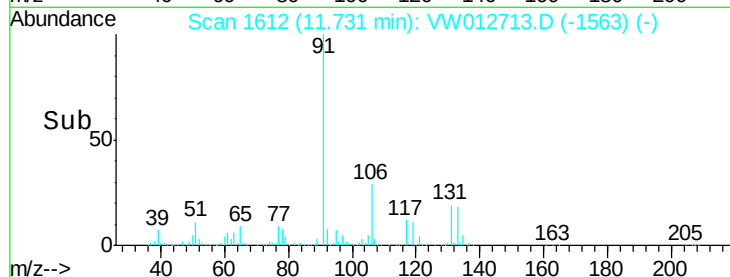
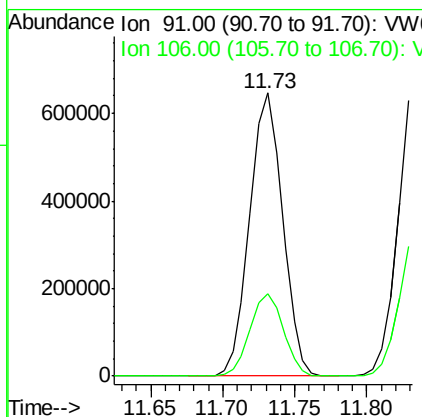
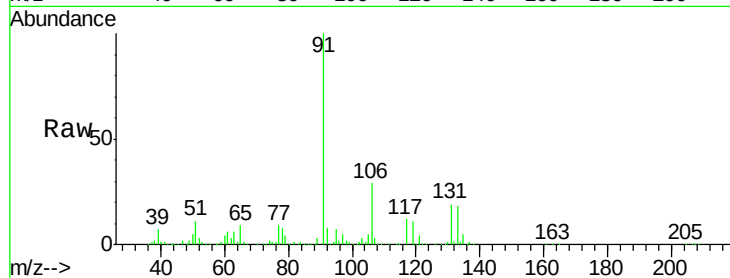
#67
Ethyl Benzene
Concen: 97.685 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1025725
Ion Ratio Lower Upper
91 100
106 29.3 24.4 36.6

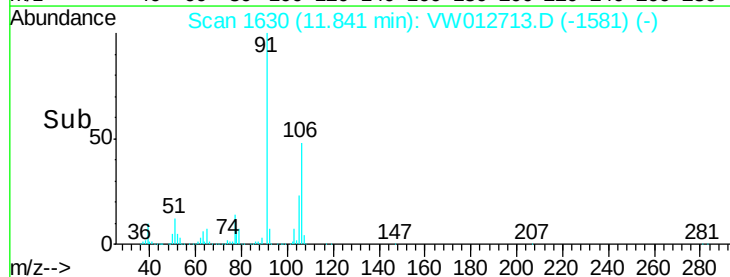
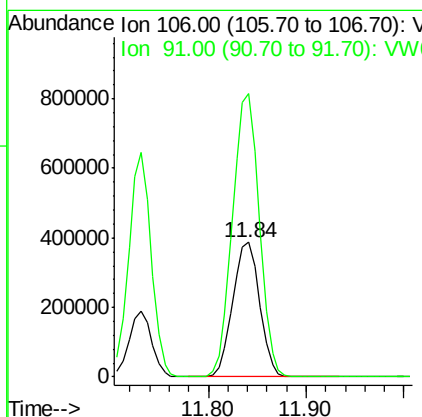
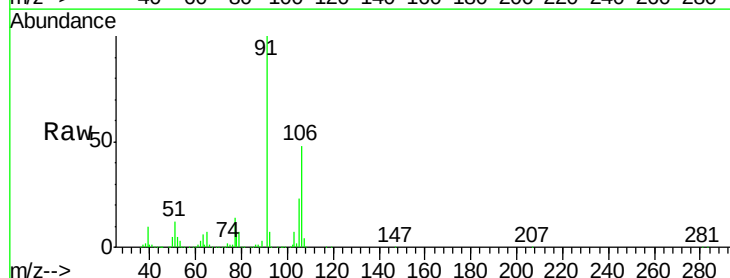
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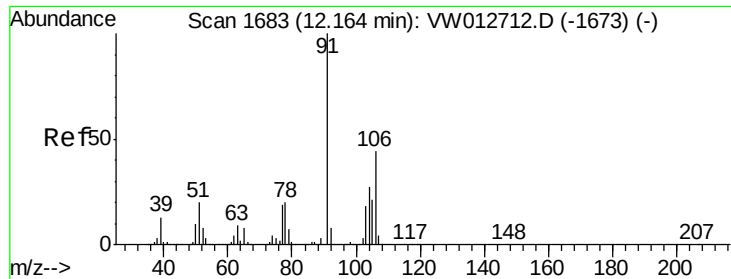
MMDadoda
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#68
m/p-Xylenes
Concen: 194.708 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion: 106 Resp: 737973
Ion Ratio Lower Upper
106 100
91 209.9 168.2 252.4





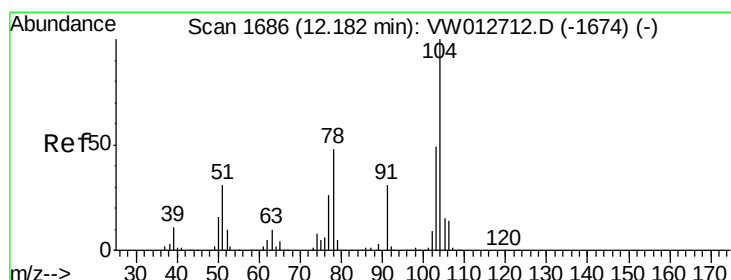
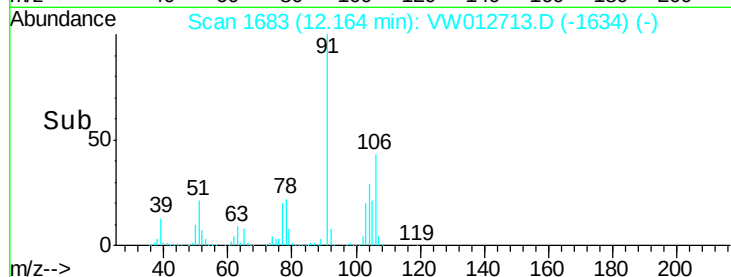
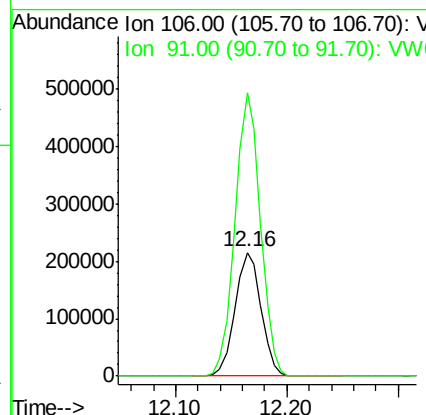
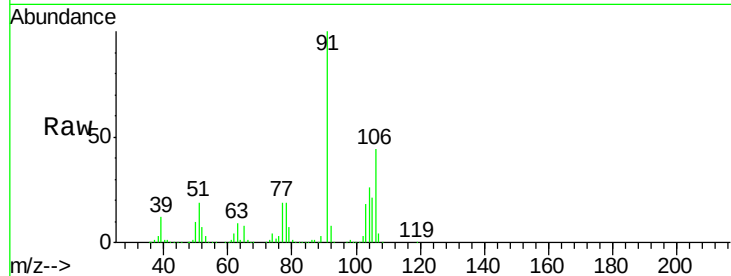
#69
o-Xylene
Concen: 97.158 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.5	112.3	336.8

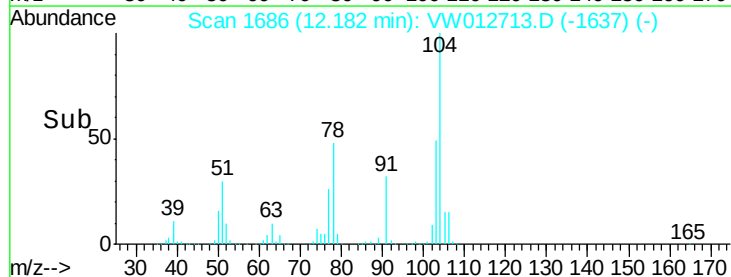
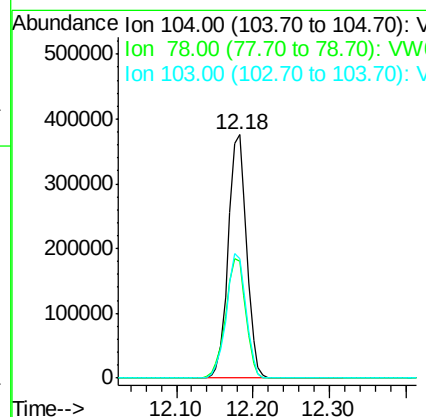
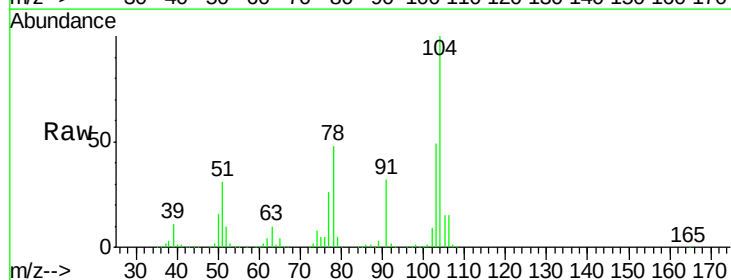
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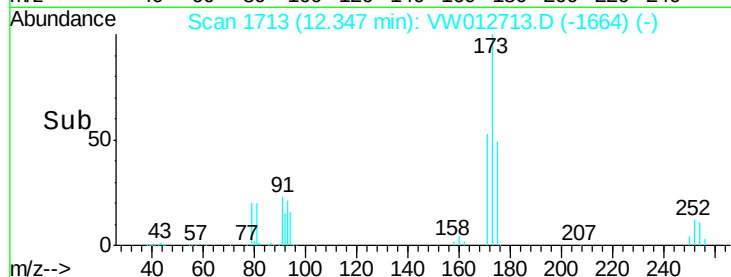
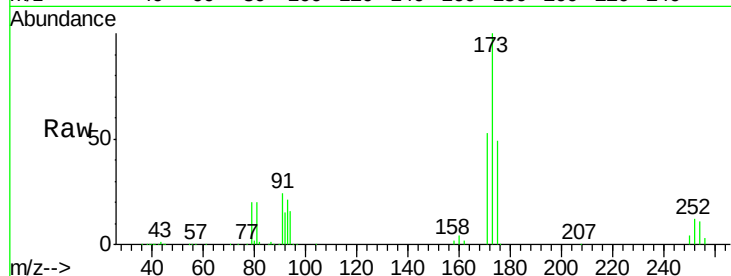
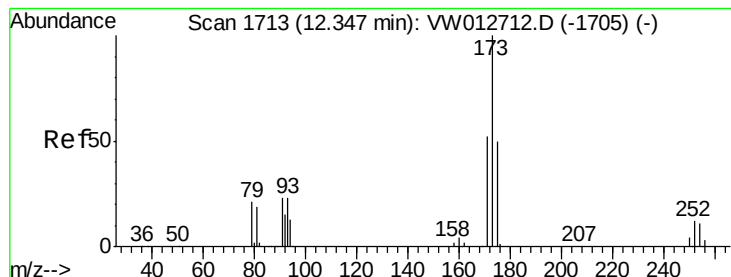
MMDadoda
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#70
Styrene
Concen: 98.343 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.3	64.9
103	54.8	44.0	66.0





#71

Bromoform

Concen: 103.214 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tot Ion:173	Resp:	119515
Ion Ratio	Lower	Upper
173 100		
175 48.3	24.8	74.3
254 0.1	0.1	0.1

Instrument :

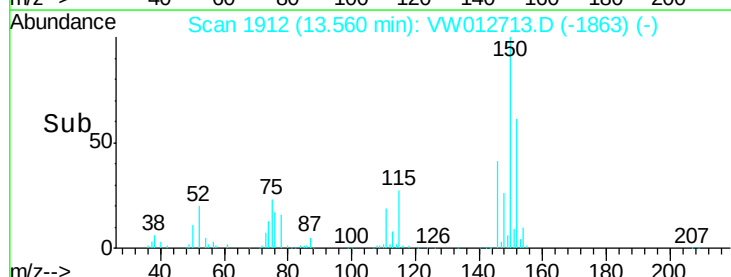
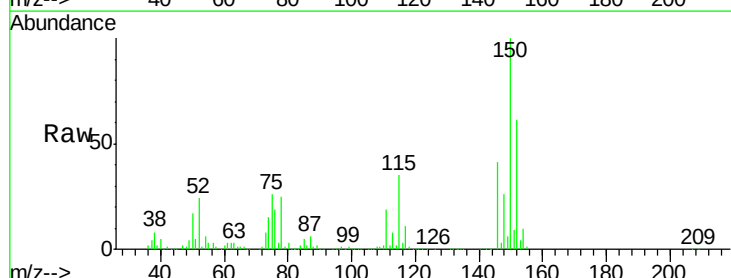
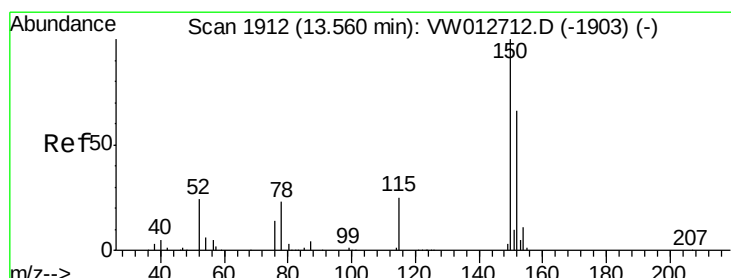
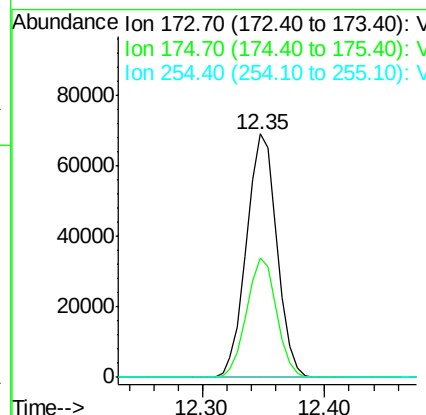
MSVOA_W

ClientSampleId :

VSTDIC100

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

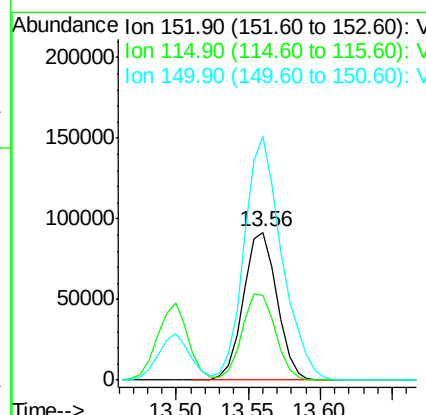
RT: 13.56 min Scan# 1912

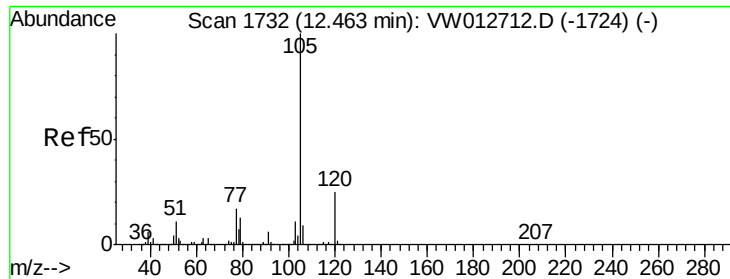
Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tgt Ion:152	Resp:	147877
Ion Ratio	Lower	Upper
152 100		
115 58.5	30.0	90.1
150 184.2	0.0	349.0





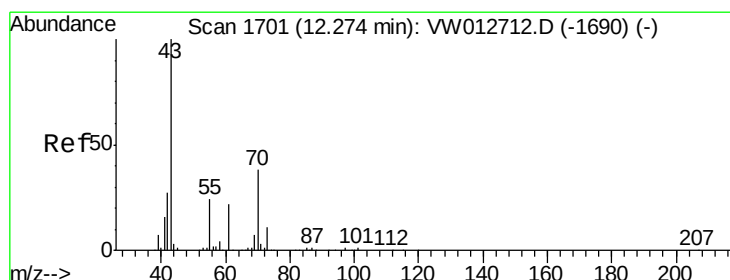
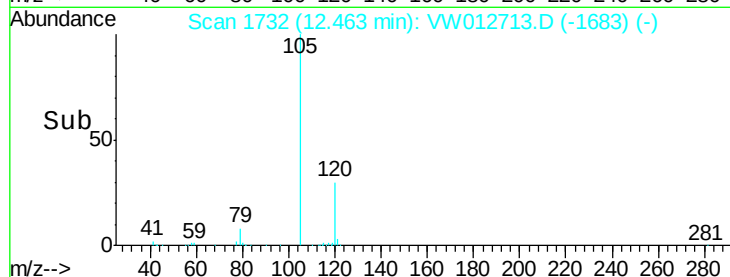
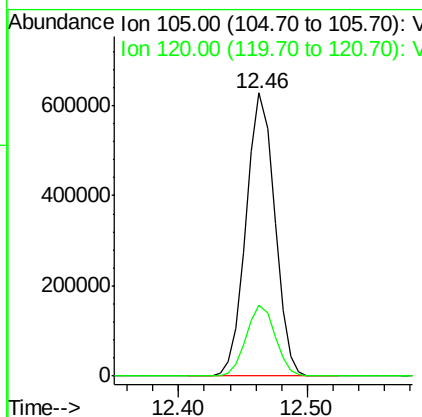
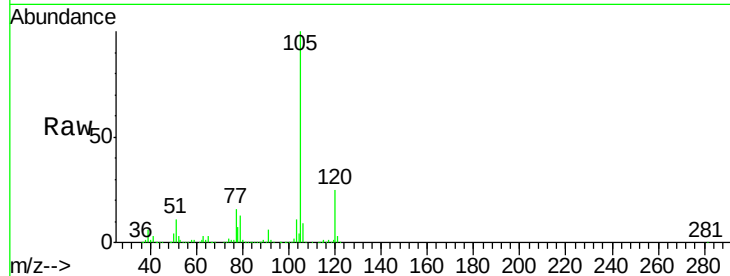
#73
Isopropylbenzene
Concen: 90.786 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.0	38.9

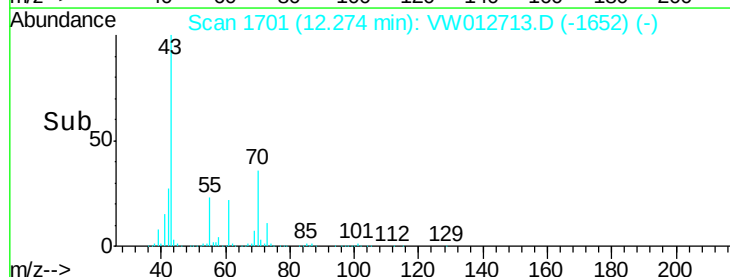
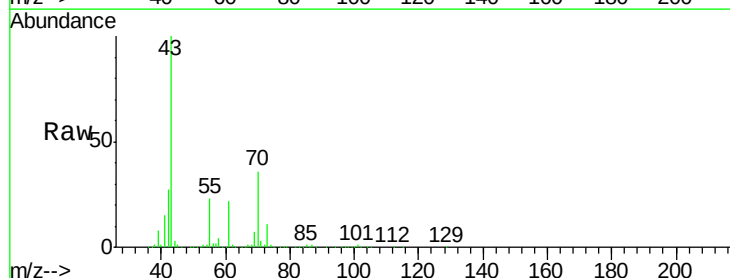
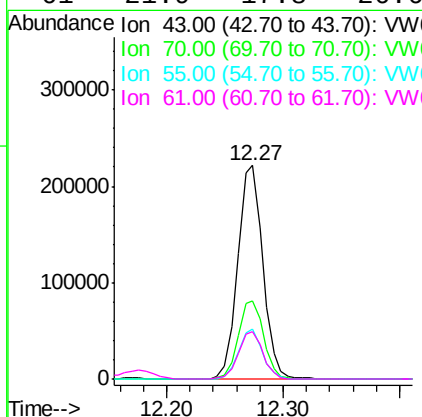
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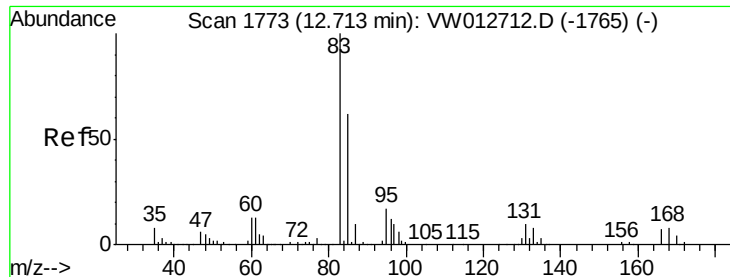
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9/10/2019 1:02:34 PM



#74
N-ethyl acetate
Concen: 98.691 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.1	29.4	44.0
55	22.6	18.6	27.8
61	21.9	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 100.509 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

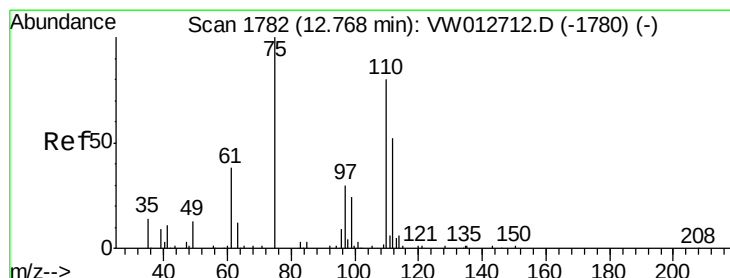
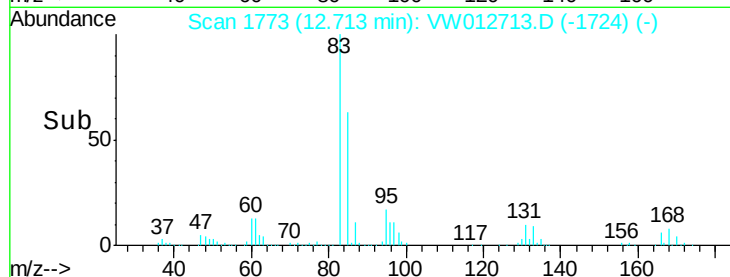
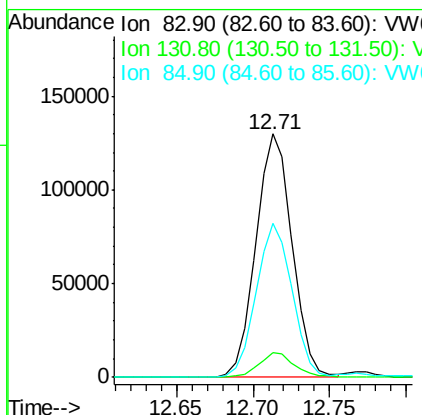
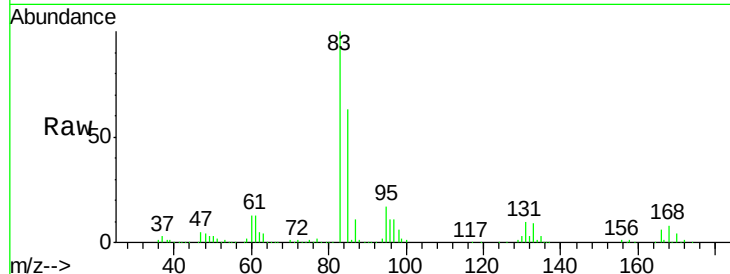
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	214086
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.4
85	62.8	31.4	94.2

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#76

1,2,3-Trichloropropane

Concen: 103.576 ug/l m

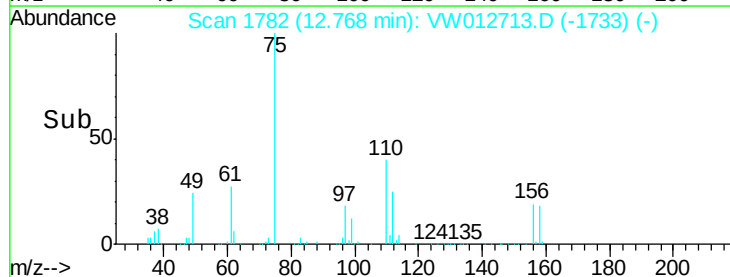
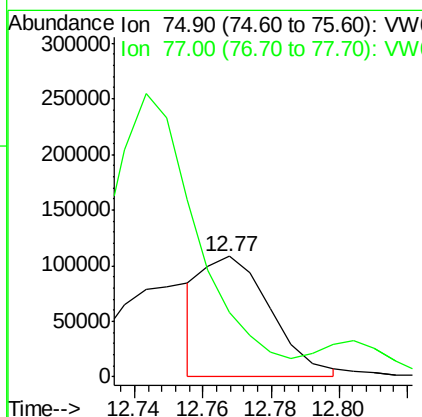
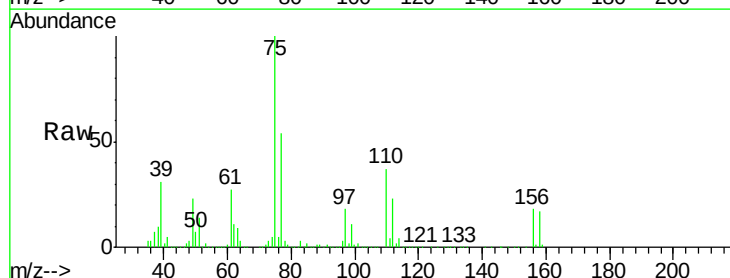
RT: 12.77 min Scan# 1782

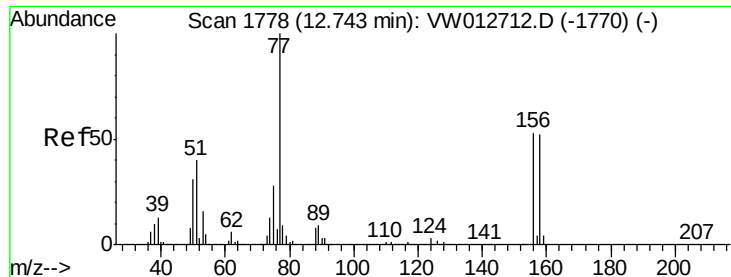
Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tgt Ion:	75	Resp:	150308
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 93.866 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 225553

Ion Ratio Lower Upper

156 100

77 206.7 102.3 306.9

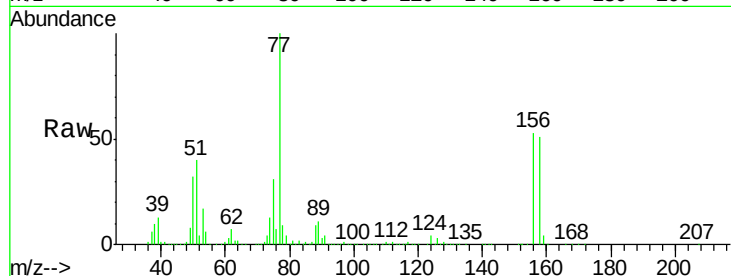
158 98.0 48.9 146.8

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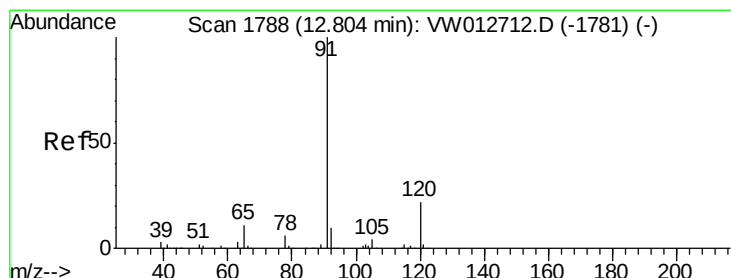
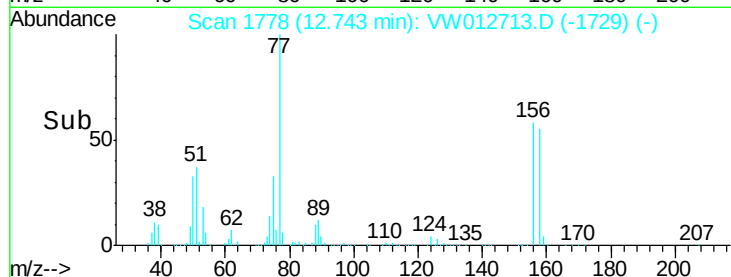
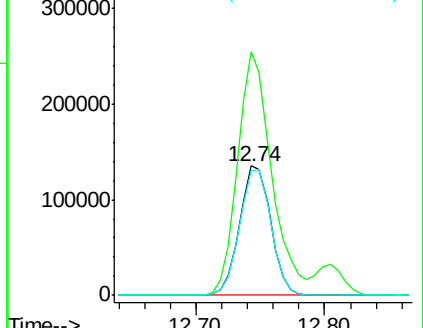
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 94.123 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012713.D

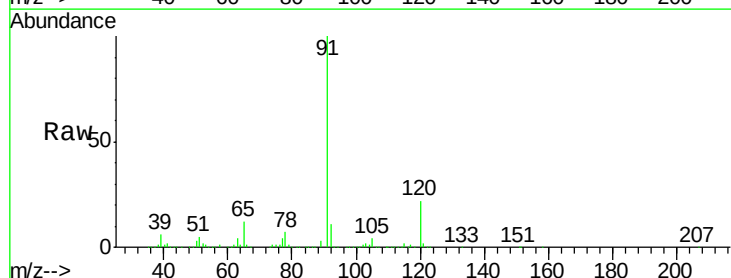
Acq: 07 Sep 2019 11:30

Tgt Ion: 91 Resp: 1193938

Ion Ratio Lower Upper

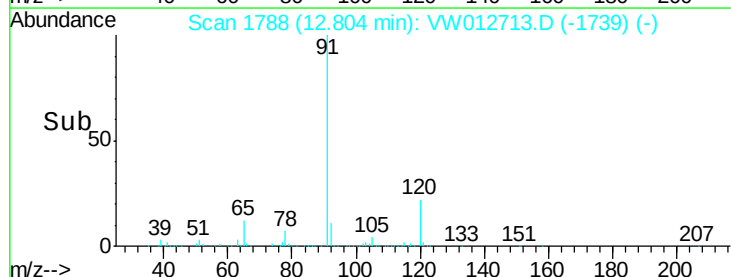
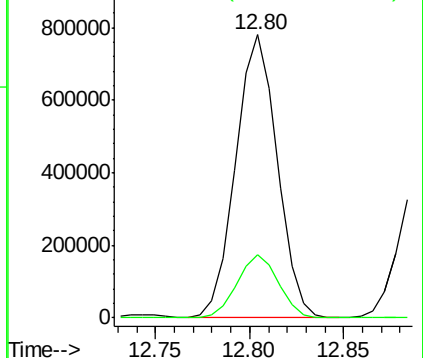
91 100

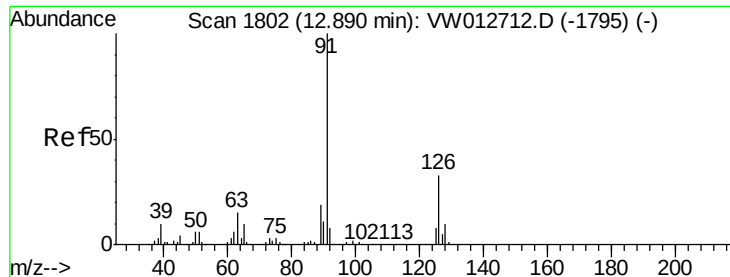
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





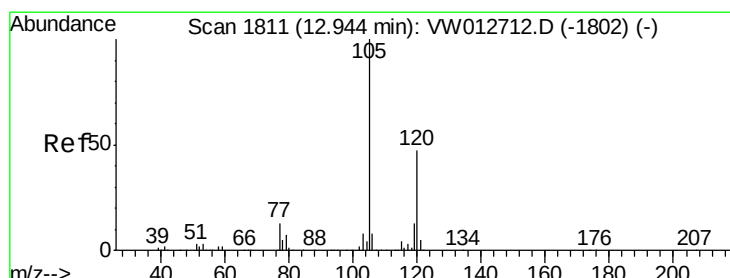
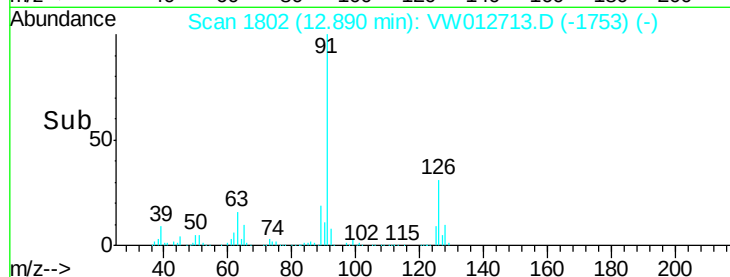
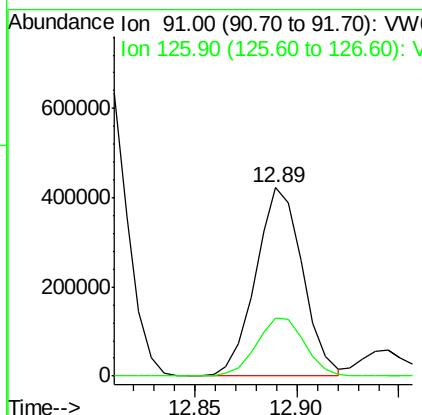
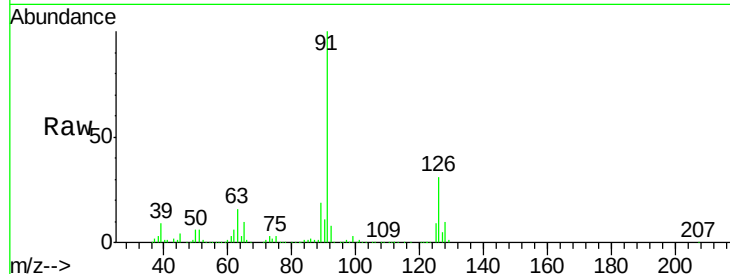
#79
 2-Chlorotoluene
 Concen: 92.685 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 674938
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.1 48.3

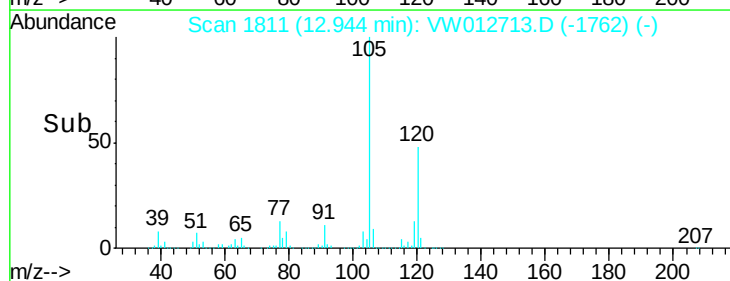
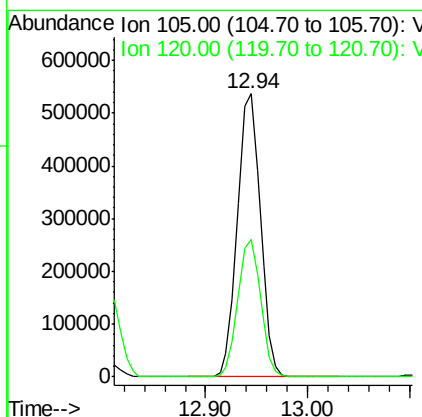
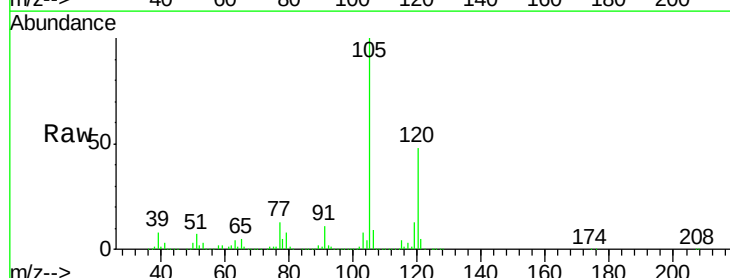
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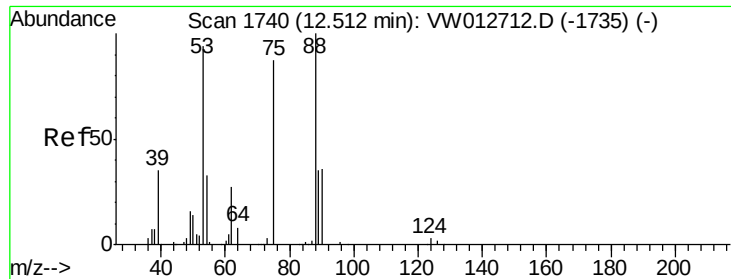
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#80
 1,3,5-Trimethylbenzene
 Concen: 93.488 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion: 105 Resp: 835518
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.9 71.8





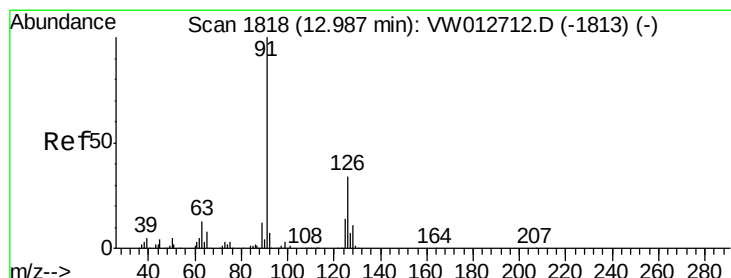
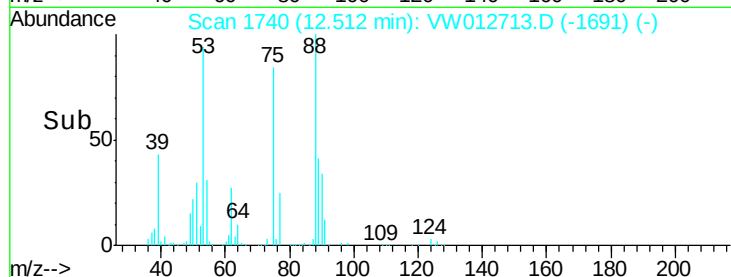
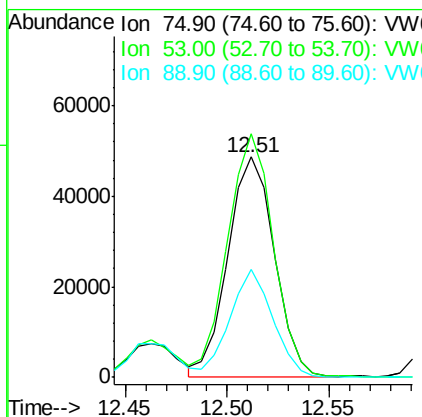
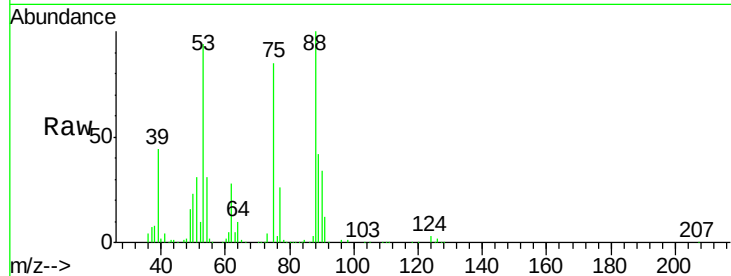
#81
trans-1,4-Dichloro-2-butene
Concen: 107.001 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.6	87.6	131.4
89	45.2	35.5	53.3

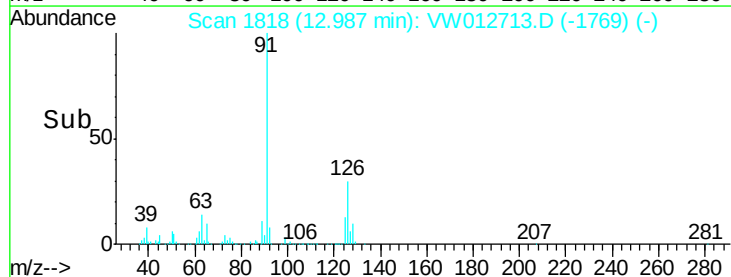
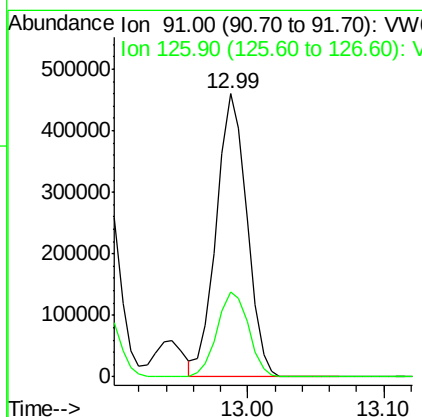
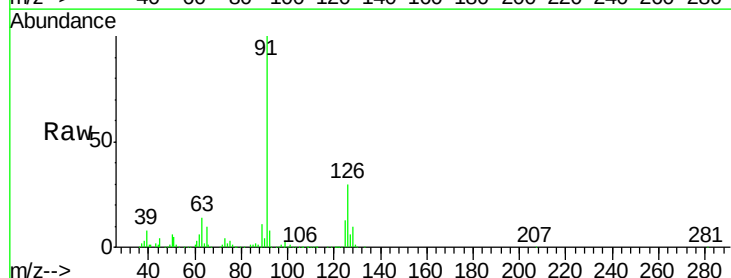
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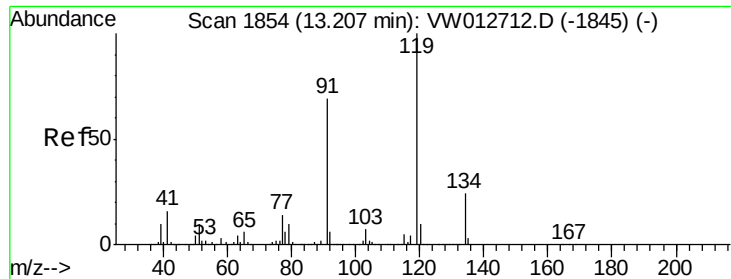
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#82
4-Chlorotoluene
Concen: 93.129 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012713.D
Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.9	47.6





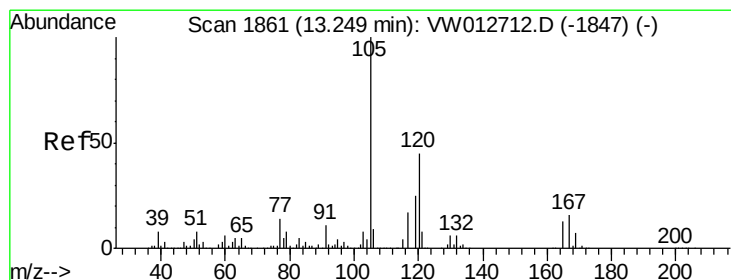
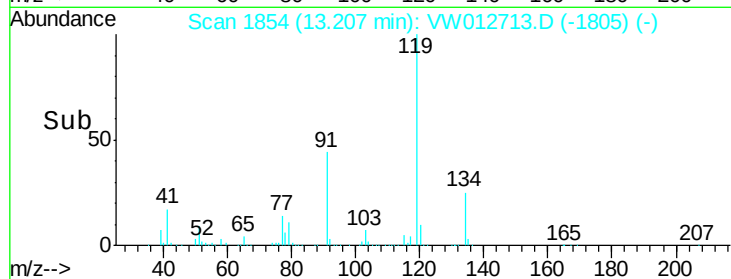
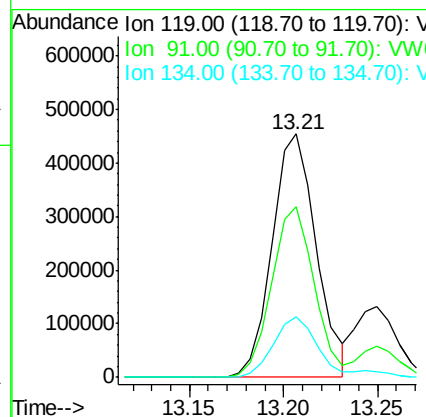
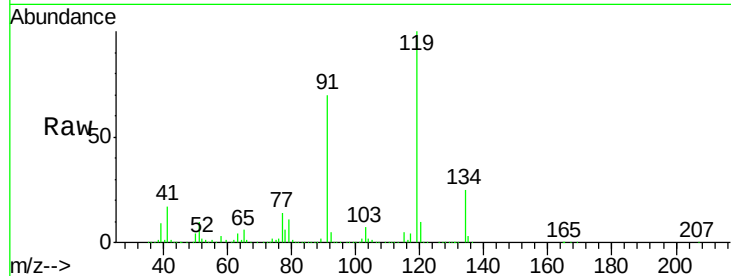
#83
 tert-Butylbenzene
 Concen: 93.295 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.2	102.5
134	24.6	12.3	36.9

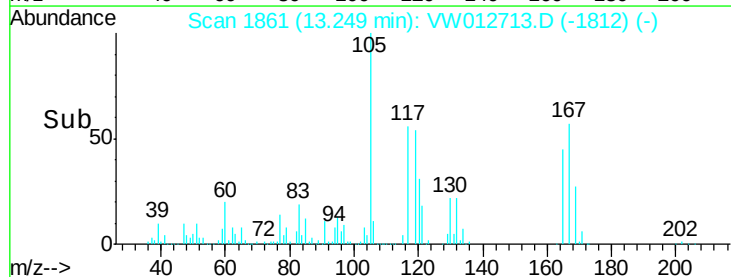
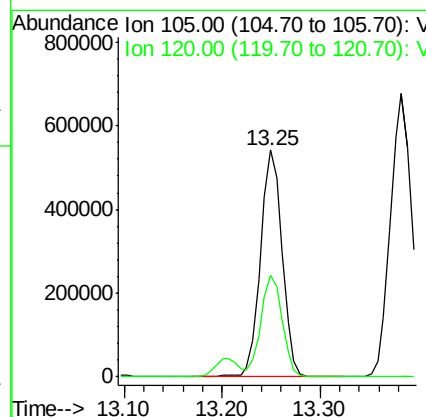
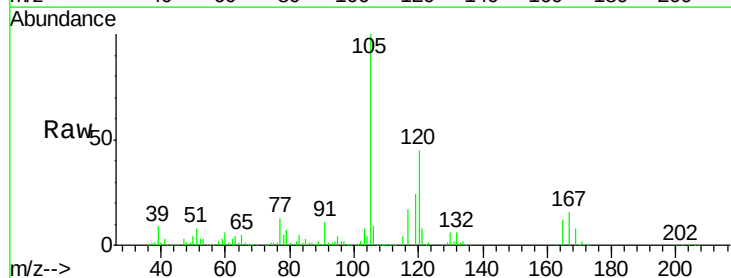
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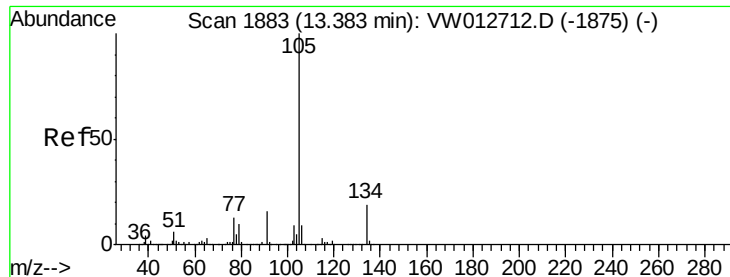
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#84
 1,2,4-Trimethylbenzene
 Concen: 93.010 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.3





#85

sec-Butylbenzene

Concen: 93.389 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1024067

Ion Ratio Lower Upper

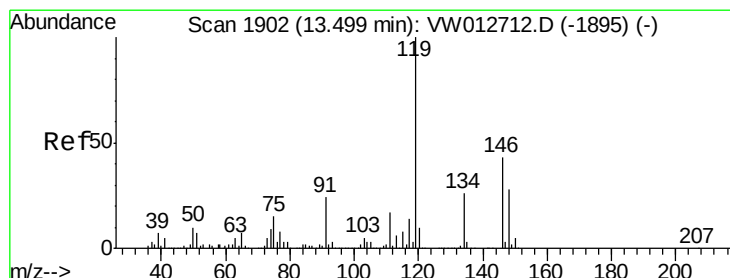
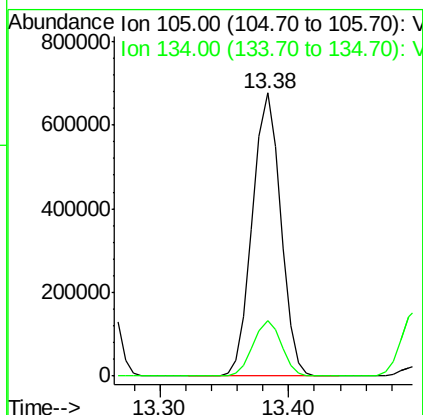
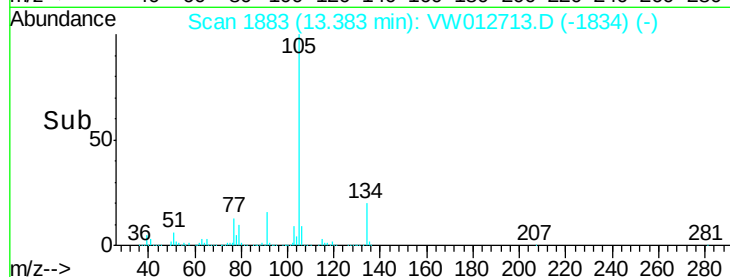
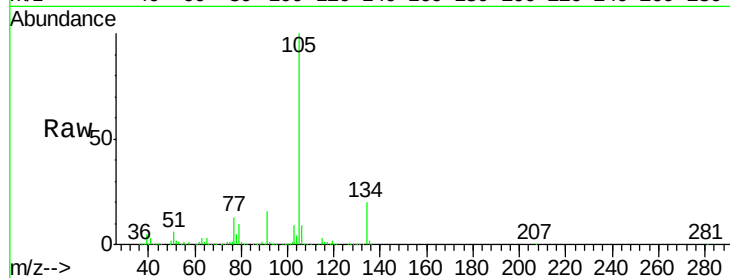
105 100

134 19.7 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 93.255 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

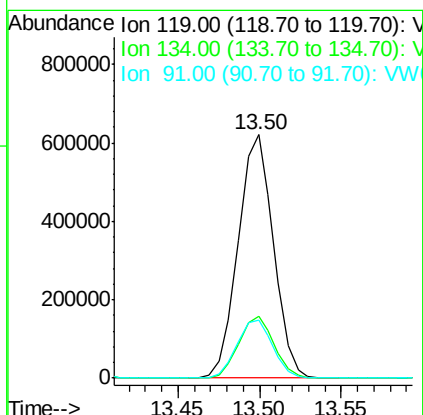
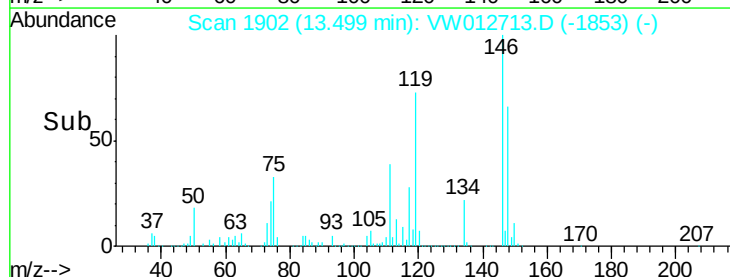
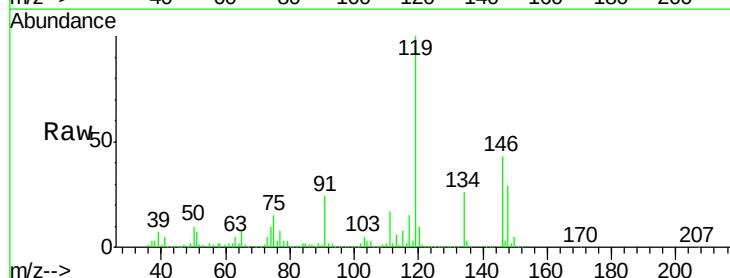
Tgt Ion:119 Resp: 934053

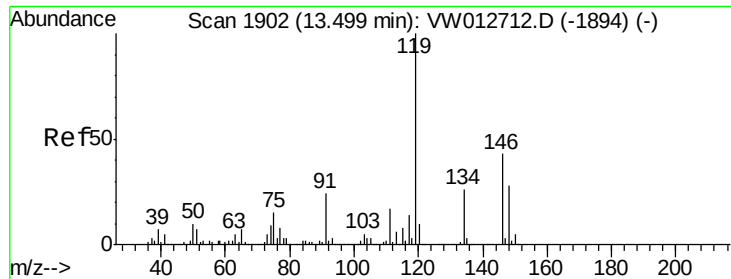
Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.1

91 24.4 12.2 36.6





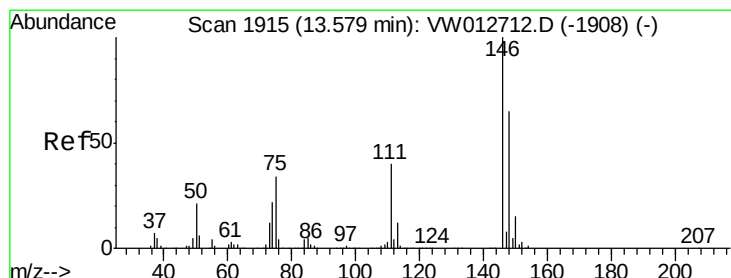
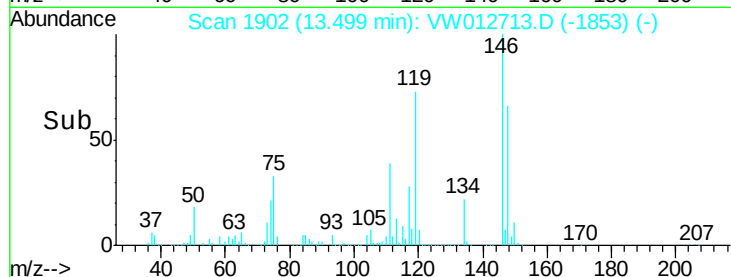
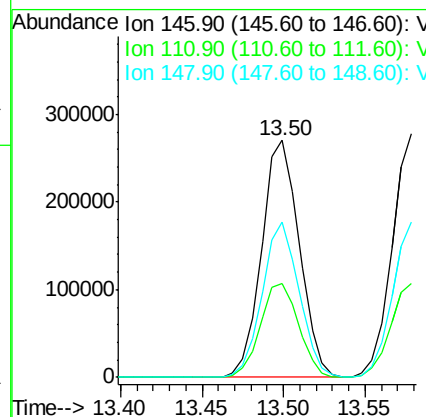
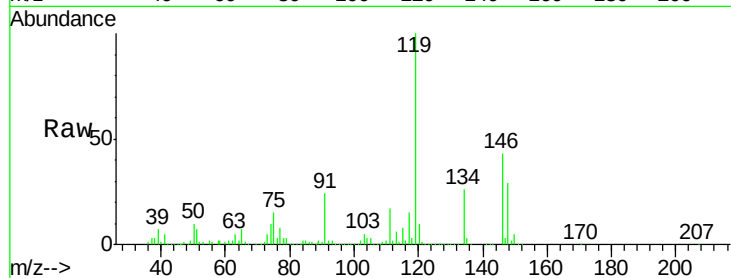
#87
 1,3-Dichlorobenzene
 Concen: 91.605 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.2
148	64.0	31.8	95.4

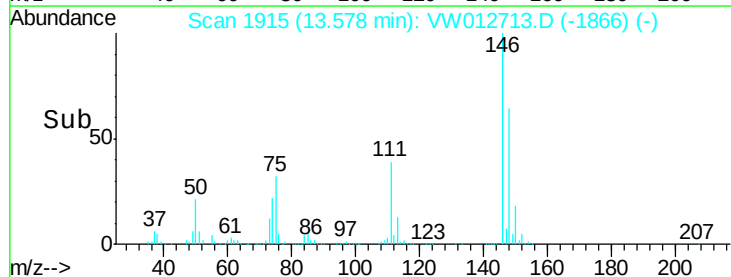
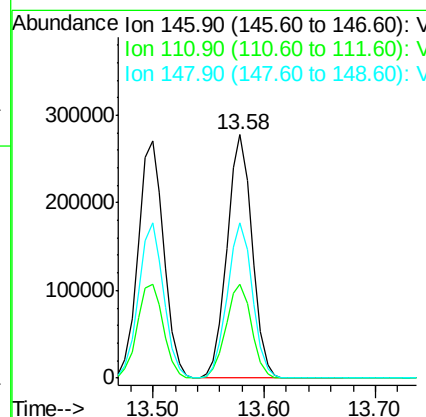
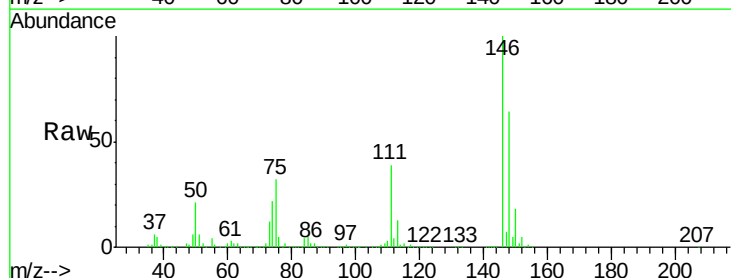
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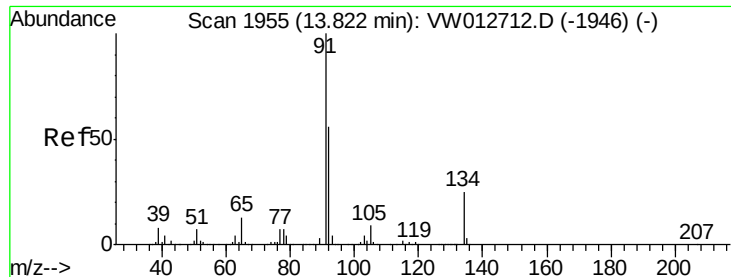
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#88
 1,4-Dichlorobenzene
 Concen: 92.073 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	63.8	32.2	96.6





#89

n-Butylbenzene

Concen: 93.996 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

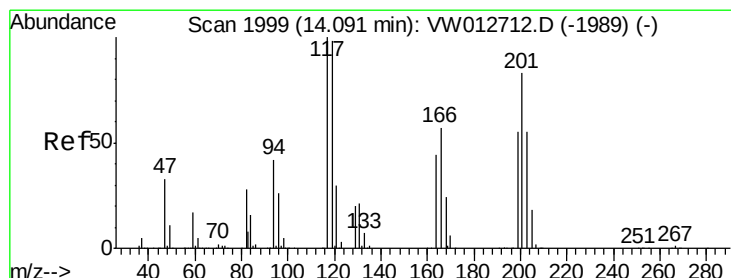
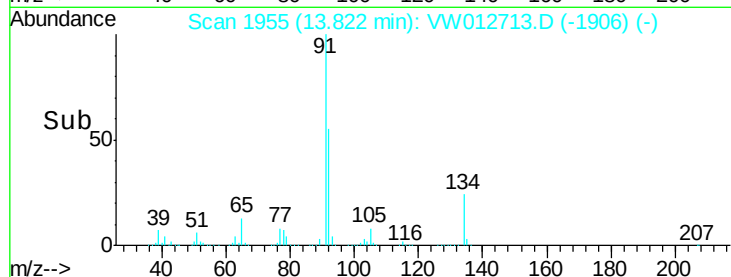
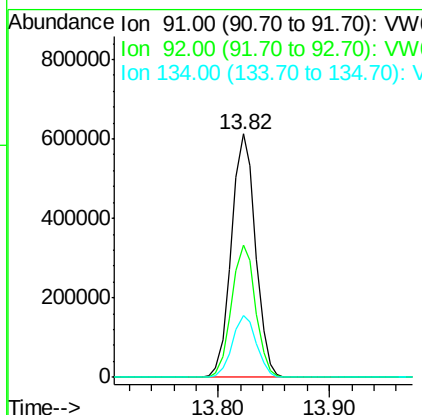
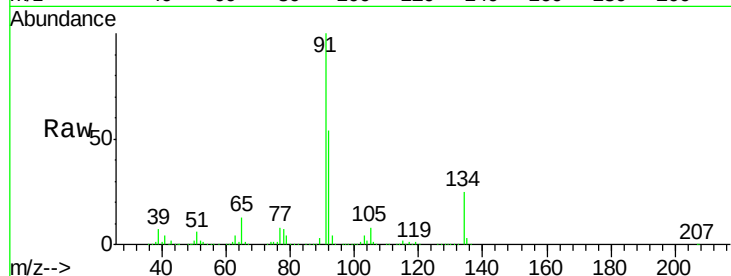
ClientSampleId :

VSTDIC100

Tot Ion:	91	Resp:	914007
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	25.4	12.7	38.1

Manual Integrations
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#90

Hexachloroethane

Concen: 95.186 ug/l

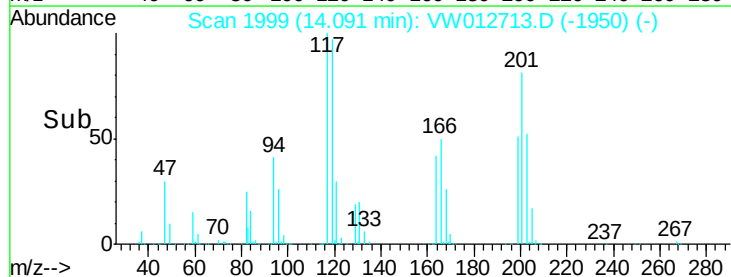
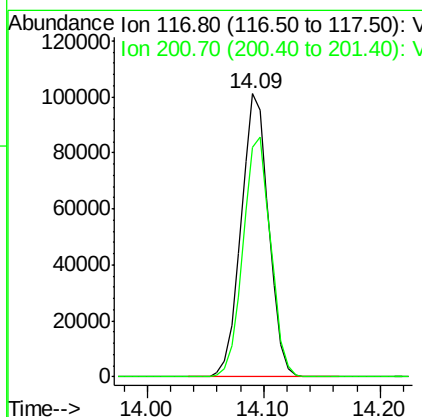
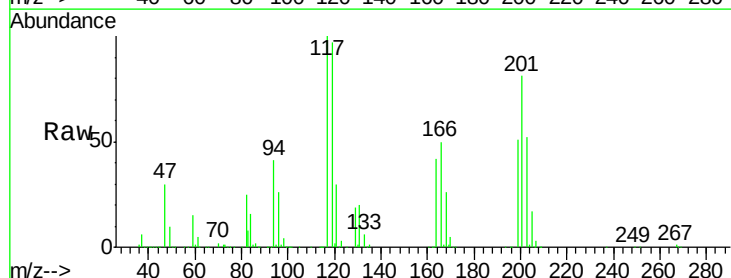
RT: 14.09 min Scan# 1999

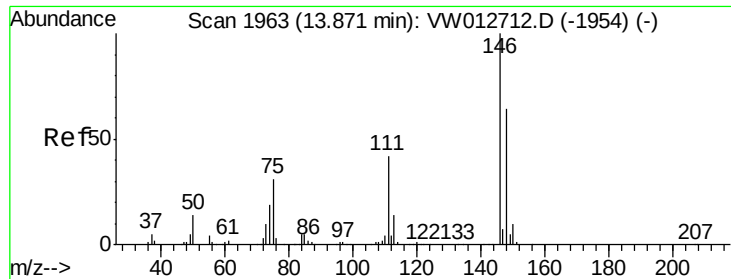
Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tgt Ion:	117	Resp:	166438
Ion	Ratio	Lower	Upper
117	100		
201	85.2	42.8	128.4





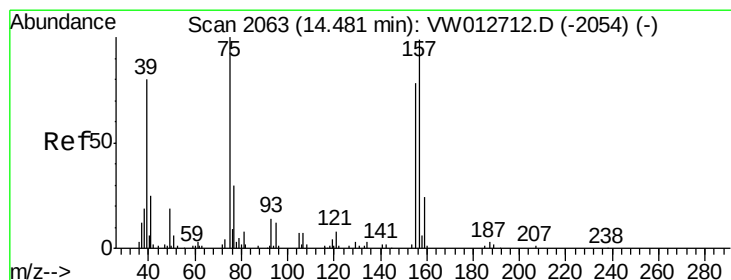
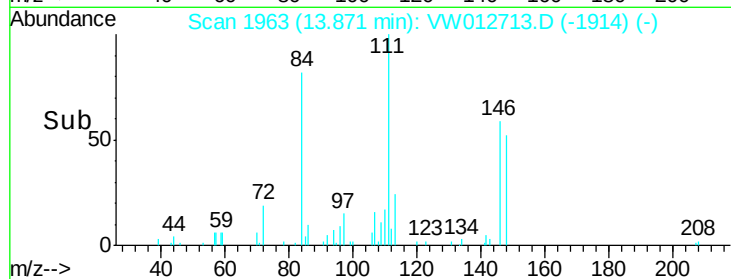
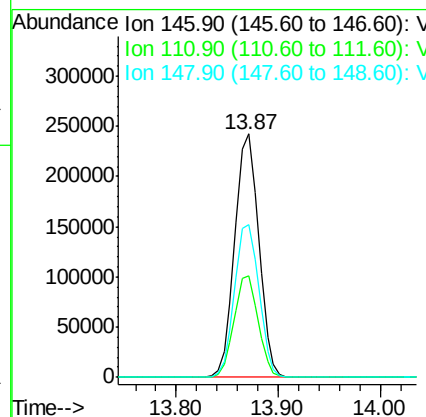
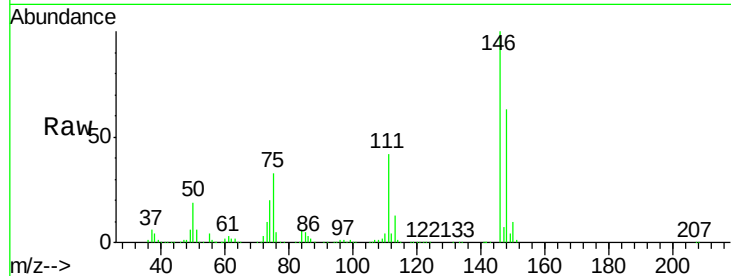
#91
 1,2-Dichlorobenzene
 Concen: 92.523 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.3	63.9
148	64.0	32.1	96.5

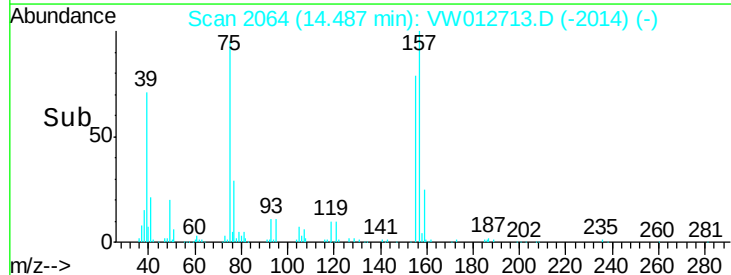
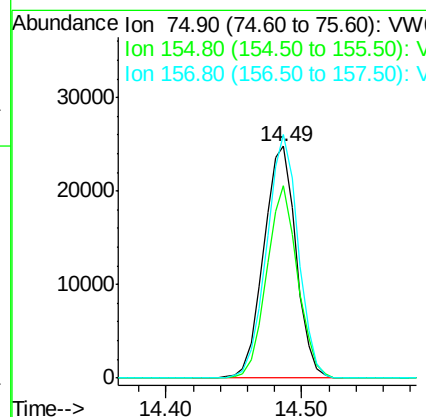
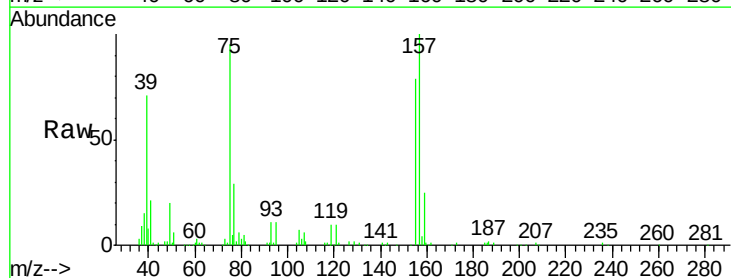
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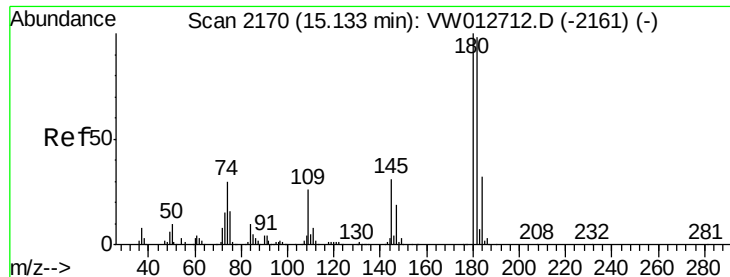
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 106.069 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	40.6	122.0
157	102.4	52.5	157.5





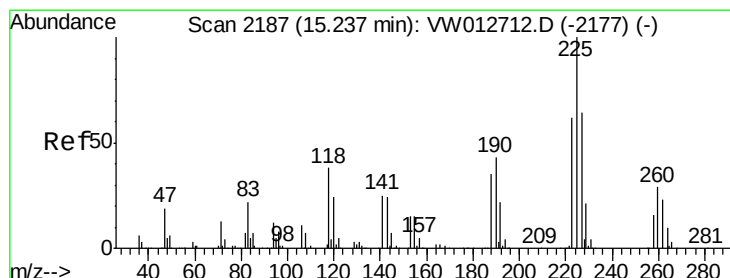
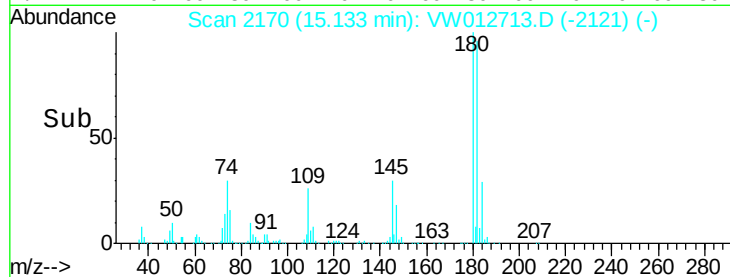
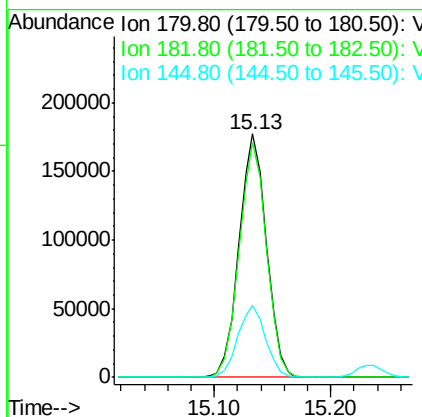
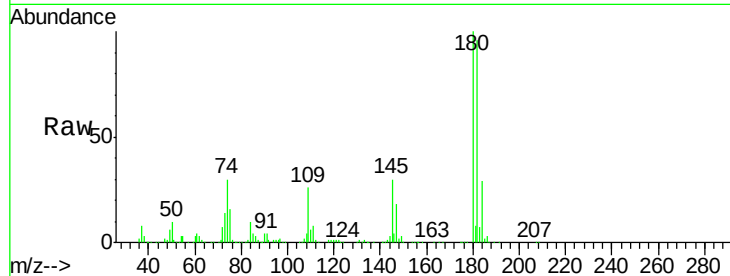
#93
 1,2,4-Trichlorobenzene
 Concen: 98.094 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290328		
182	96.0	48.7	146.1	
145	29.8	15.0	45.1	

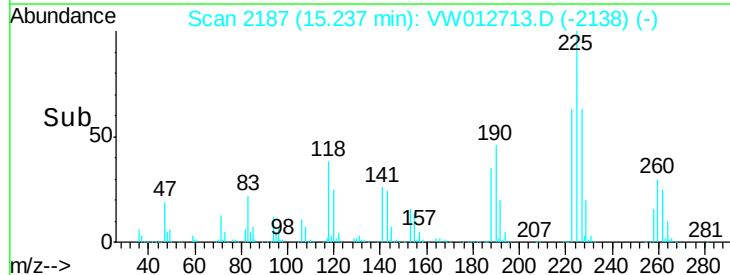
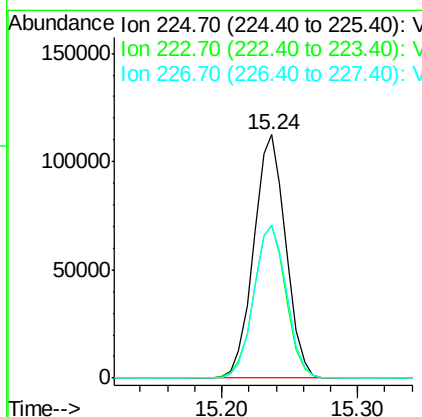
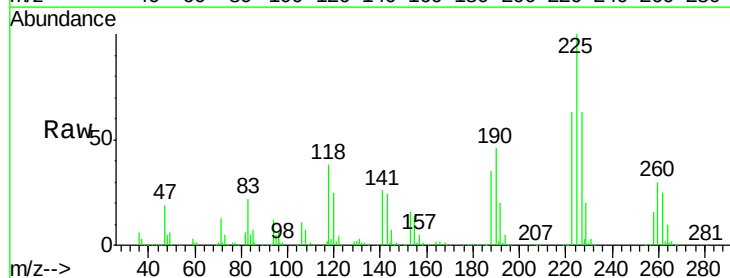
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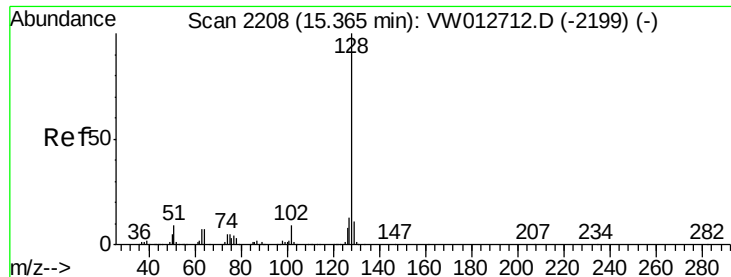
MMDadoda
 9/10/2019 1:02:34 PM



#94
 Hexachlorobutadiene
 Concen: 90.705 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012713.D
 Acq: 07 Sep 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185817		
223	62.9	31.1	93.3	
227	63.9	31.4	94.2	





#95

Naphthalene

Concen: 111.724 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Instrument :

MSVOA_W

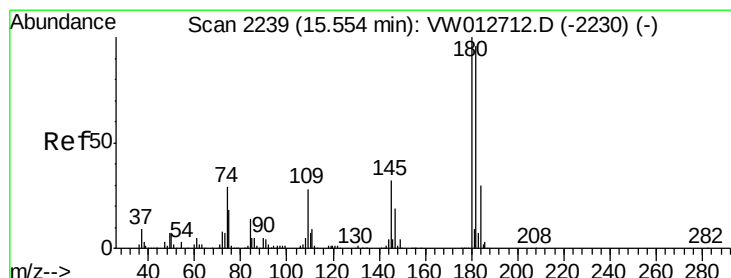
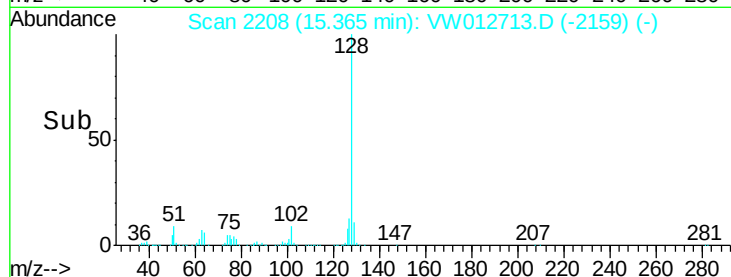
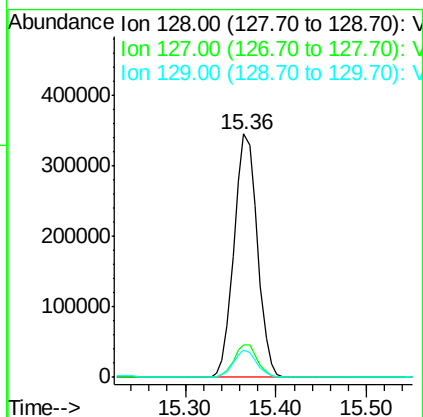
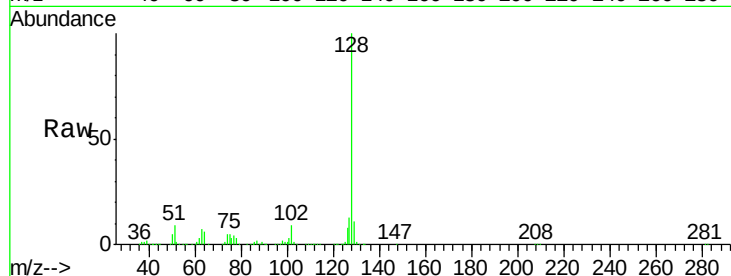
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	615646
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 93.450 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW012713.D

Acq: 07 Sep 2019 11:30

Tgt Ion:	180	Resp:	244140
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.8	143.3
145	32.0	15.4	46.2

