

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012709.D
 Acq On : 07 Sep 2019 09:45
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:00:56 PM

Quant Time: Sep 08 04:55:40 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	283296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	430343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	178445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	16288	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
35) Dibromofluoromethane	7.88	113	13570	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	
50) Toluene-d8	10.32	98	51368	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
62) 4-Bromofluorobenzene	12.62	95	19109	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8848	5.761	ug/l 99
3) Chloromethane	2.21	50	9815	5.259	ug/l 91
4) Vinyl Chloride	2.36	62	12130	5.300	ug/l 97
5) Bromomethane	2.78	94	6197	4.987	ug/l 83
6) Chloroethane	2.92	64	7280	5.331	ug/l 98
7) Trichlorofluoromethane	3.26	101	7866	4.981	ug/l 89
8) Diethyl Ether	3.68	74	6821	5.139	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12673	5.114	ug/l 98
10) Methyl Iodide	4.27	142	15882	5.091	ug/l 99
11) Tert butyl alcohol	5.18	59	6013	24.828	ug/l 95
12) 1,1-Dichloroethene	4.04	96	12286	5.252	ug/l 87
13) Acrolein	3.90	56	6540	25.447	ug/l 97
14) Allyl chloride	4.67	41	24499	5.062	ug/l 99
15) Acrylonitrile	5.37	53	17102	22.060	ug/l 98
16) Acetone	4.14	43	19451	22.540	ug/l 93
17) Carbon Disulfide	4.38	76	23938	4.820	ug/l # 92
18) Methyl Acetate	4.68	43	9634	4.758	ug/l 96
19) Methyl tert-butyl Ether	5.42	73	22843	4.923	ug/l 98
20) Methylene Chloride	4.91	84	15823	5.861	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	11537	4.833	ug/l 96
22) Diisopropyl ether	6.31	45	48623	5.066	ug/l # 88
23) Vinyl Acetate	6.26	43	135538	22.281	ug/l 99
24) 1,1-Dichloroethane	6.21	63	26156	5.061	ug/l # 96
25) 2-Butanone	7.18	43	24942	21.897	ug/l 100
26) 2,2-Dichloropropane	7.16	77	16686	5.112	ug/l 97
27) cis-1,2-Dichloroethene	7.16	96	13361	4.827	ug/l 98
28) Bromochloromethane	7.51	49	11786	4.966	ug/l # 100
29) Tetrahydrofuran	7.53	42	15279	21.926	ug/l 96
30) Chloroform	7.67	83	26925	5.257	ug/l 93
31) Cyclohexane	7.95	56	27179	5.841	ug/l # 81
32) 1,1,1-Trichloroethane	7.87	97	20482	4.933	ug/l 98
36) 1,1-Dichloropropene	8.08	75	18718	4.895	ug/l 98
37) Ethyl Acetate	7.26	43	11454	4.699	ug/l # 95
38) Carbon Tetrachloride	8.07	117	17884	4.745	ug/l 95

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	20001	4.657	ug/l	94
40) Benzene	8.32	78	52194	4.920	ug/l	93
41) Methacrylonitrile	7.49	41	6496	4.420	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	18597	4.981	ug/l	98
43) Isopropyl Acetate	8.43	43	21568	4.670	ug/l	96
44) Trichloroethene	9.09	130	13513	4.941	ug/l	95
45) 1,2-Dichloropropane	9.37	63	14973	5.089	ug/l	99
46) Dibromomethane	9.46	93	6962	4.997	ug/l	94
47) Bromodichloromethane	9.64	83	19766	5.156	ug/l	95
48) Methyl methacrylate	9.43	41	10542	4.777	ug/l	94
49) 1,4-Dioxane	9.47	88	2929	106.421	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	57706	23.814	ug/l	100
52) Toluene	10.38	92	33939	5.126	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	18977	4.814	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	22063	4.934	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	10432	5.001	ug/l	97
56) Ethyl methacrylate	10.65	69	14267	4.672	ug/l	97
57) 1,3-Dichloropropane	10.93	76	20059	5.198	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	33422	20.618	ug/l	100
59) 2-Hexanone	10.97	43	41869	23.650	ug/l	100
60) Dibromochloromethane	11.13	129	12289	5.009	ug/l	99
61) 1,2-Dibromoethane	11.24	107	9588	5.013	ug/l	99
64) Tetrachloroethene	10.86	164	11508	5.171	ug/l	94
65) Chlorobenzene	11.66	112	36813	5.311	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	13983	5.417	ug/l	97
67) Ethyl Benzene	11.73	91	69039	5.309	ug/l	98
68) m/p-Xylenes	11.83	106	47577	10.135	ug/l	100
69) o-Xylene	12.16	106	22877	5.166	ug/l	99
70) Styrene	12.18	104	39794	5.085	ug/l	99
71) Bromoform	12.35	173	7542	5.259	ug/l #	98
73) Isopropylbenzene	12.46	105	65615	5.127	ug/l	100
74) N-amyl acetate	12.27	43	20016	4.927	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	13962	5.432	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	9488m	5.418	ug/l	
77) Bromobenzene	12.74	156	16111	5.556	ug/l	99
78) n-propylbenzene	12.80	91	78837	5.150	ug/l	100
79) 2-Chlorotoluene	12.89	91	43122	4.907	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	51951	4.817	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	4286	4.968	ug/l	95
82) 4-Chlorotoluene	12.99	91	47279	5.087	ug/l	98
83) tert-Butylbenzene	13.21	119	47680	5.000	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	56175	5.169	ug/l	99
85) sec-Butylbenzene	13.38	105	66961	5.060	ug/l	97
86) p-Isopropyltoluene	13.50	119	60172	4.978	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	30999	5.439	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	32296	5.695	ug/l	95
89) n-Butylbenzene	13.82	91	58353	4.973	ug/l	99
90) Hexachloroethane	14.09	117	10233	4.850	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	28497	5.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2522	5.362	ug/l	91

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MSVOA_W
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VSTDICC005

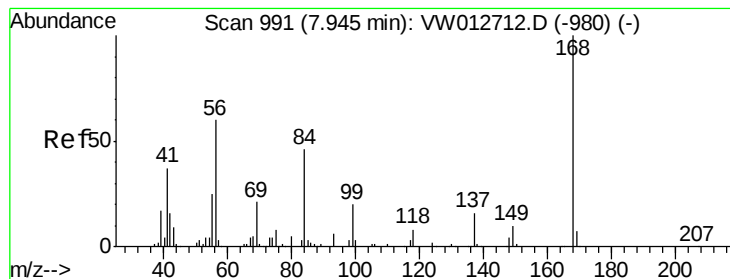
Manual Integrations
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9/10/2019 1:00:56 PM

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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)
93) 1,2,4-Trichlorobenzene	15.13	180	17333	4.853	ug/l	98
94) Hexachlorobutadiene	15.24	225	12786	5.172	ug/l	94
95) Naphthalene	15.36	128	28388	4.269	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	15320	4.860	ug/l	94

(#) = 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: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 283296

Ion Ratio Lower Upper

168 100

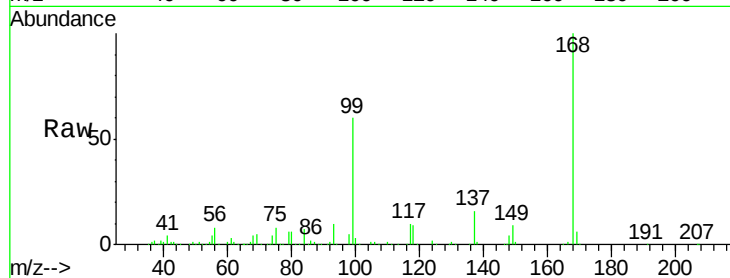
99 59.4 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

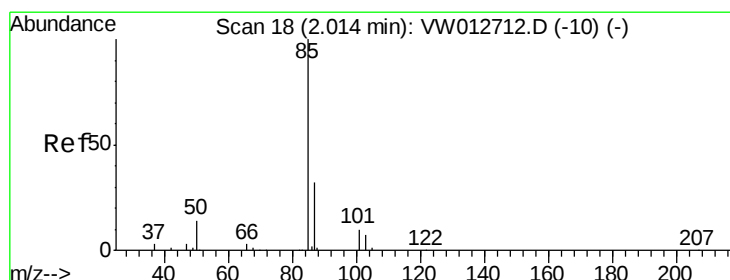
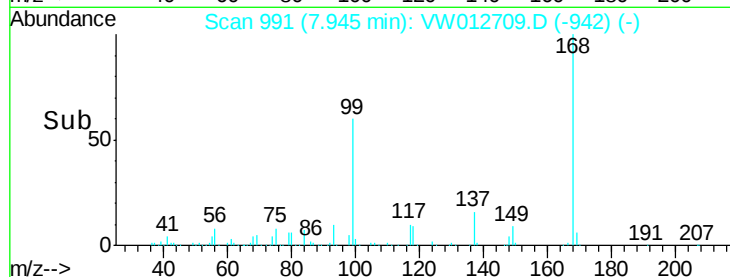
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 5.761 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW012709.D

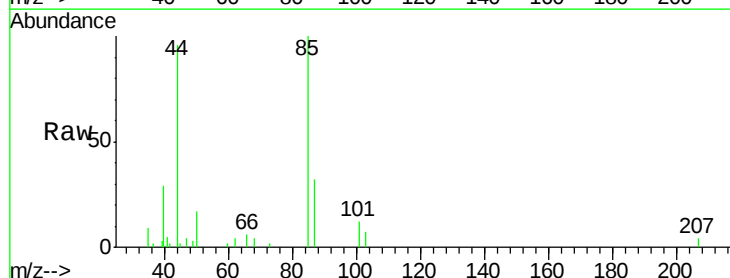
Acq: 07 Sep 2019 09:45

Tgt Ion: 85 Resp: 8848

Ion Ratio Lower Upper

85 100

87 31.9 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

3000

2500

2000

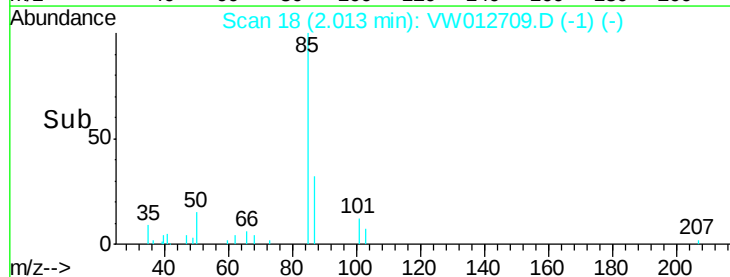
1500

1000

500

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 5.259 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9815

Ion Ratio Lower Upper

50 100

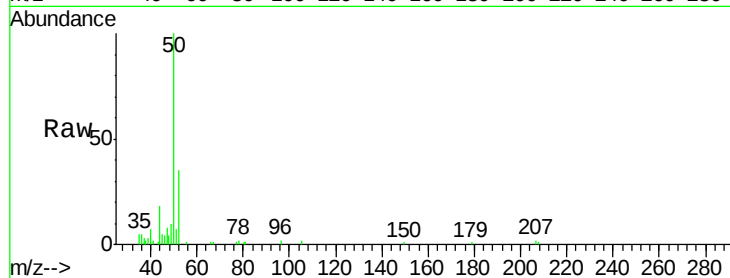
52 35.2 24.2 36.2

Manual Integrations

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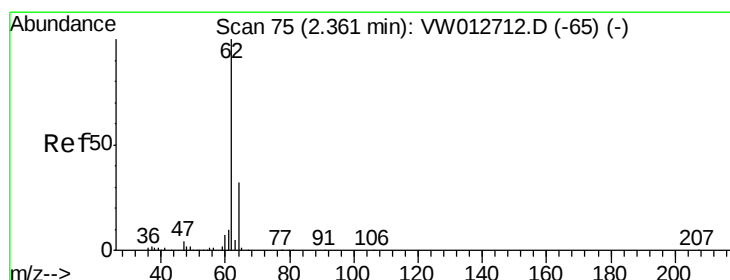
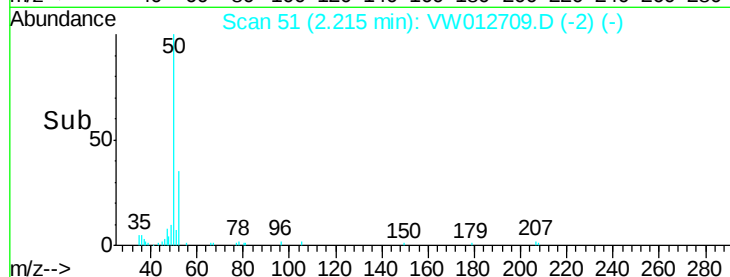
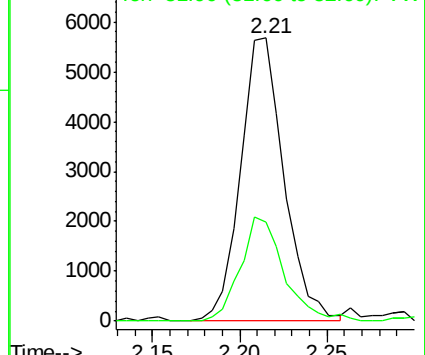
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 5.300 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012709.D

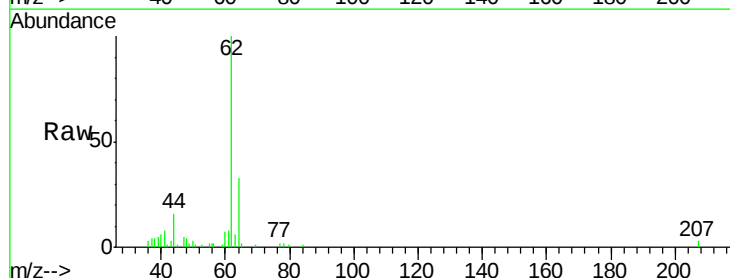
Acq: 07 Sep 2019 09:45

Tgt Ion: 62 Resp: 12130

Ion Ratio Lower Upper

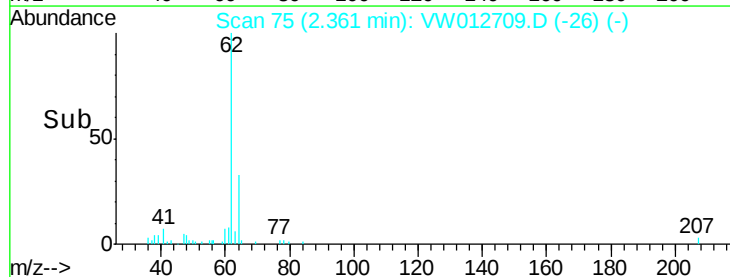
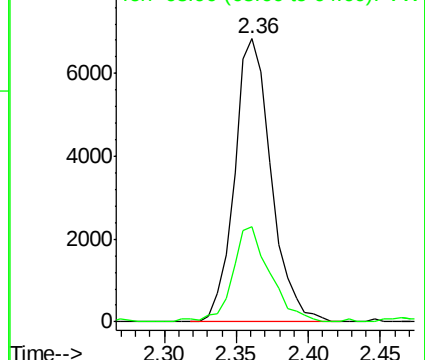
62 100

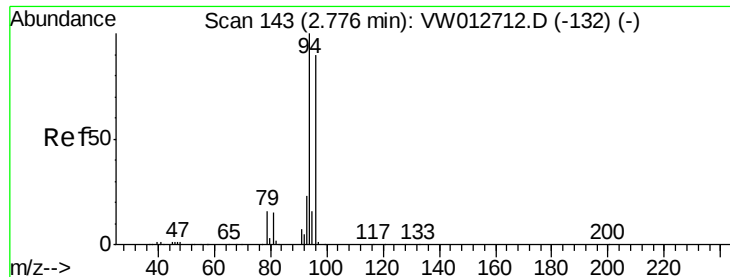
64 33.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 4.987 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 6197

Ion Ratio Lower Upper

94 100

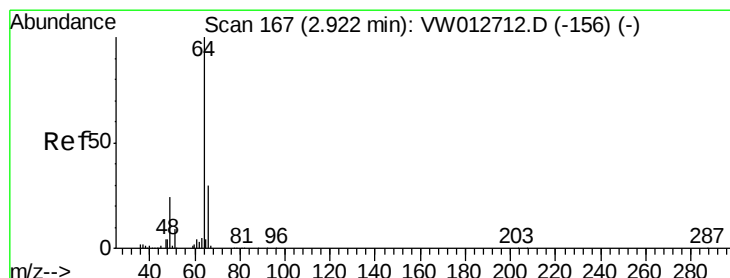
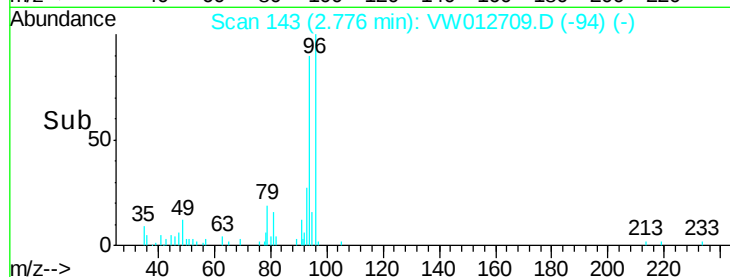
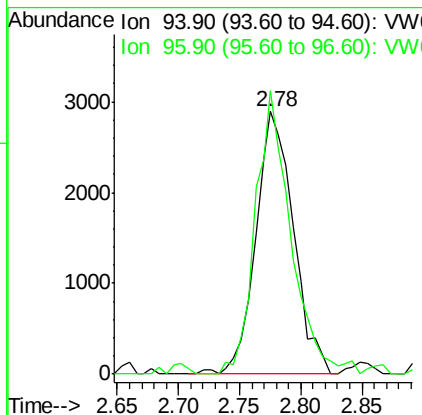
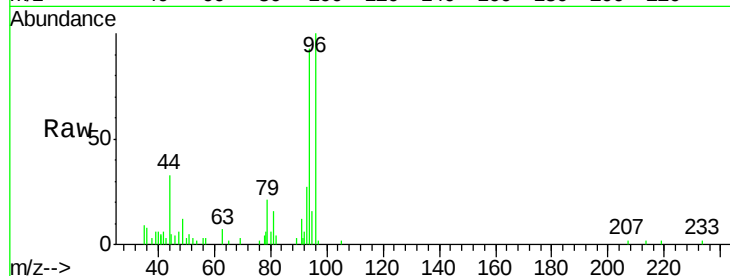
96 105.7 72.1 108.1

Manual Integrations

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#6

Chloroethane

Concen: 5.331 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012709.D

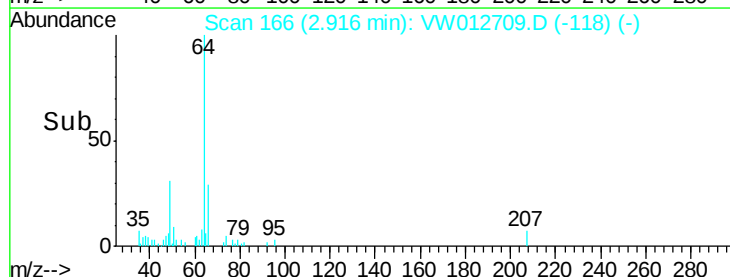
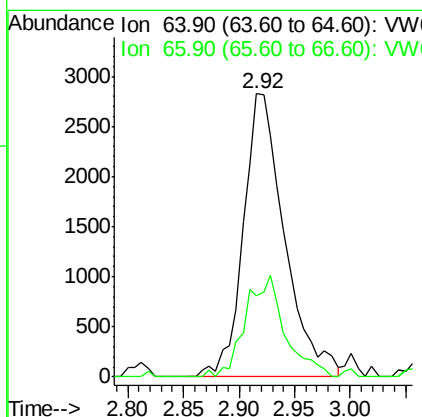
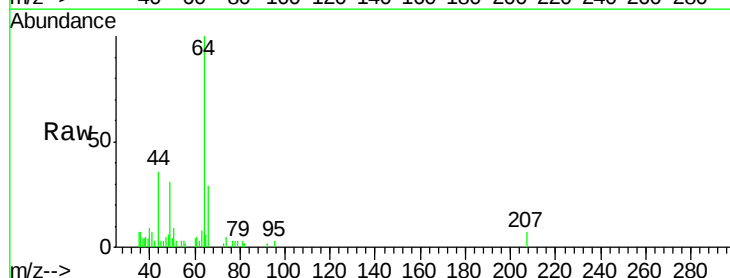
Acq: 07 Sep 2019 09:45

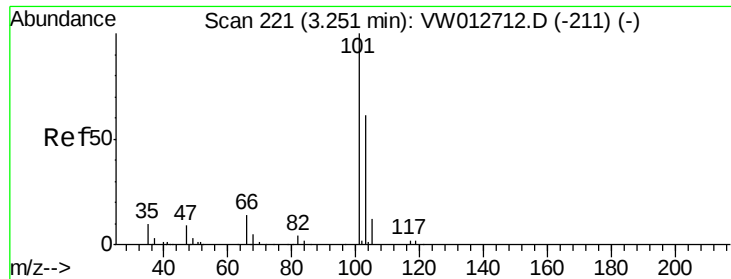
Tgt Ion: 64 Resp: 7280

Ion Ratio Lower Upper

64 100

66 28.8 23.8 35.6





#7

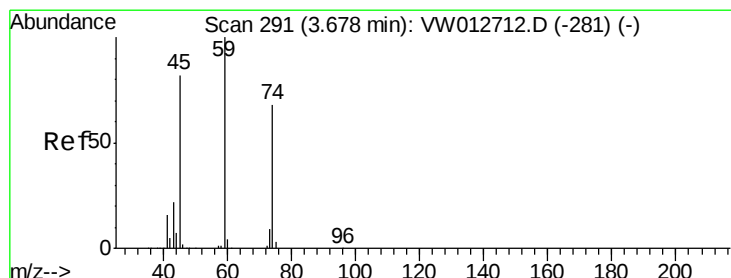
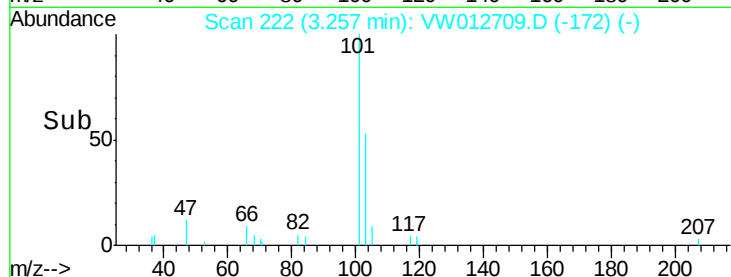
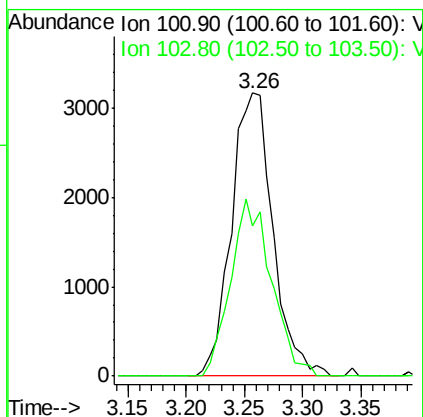
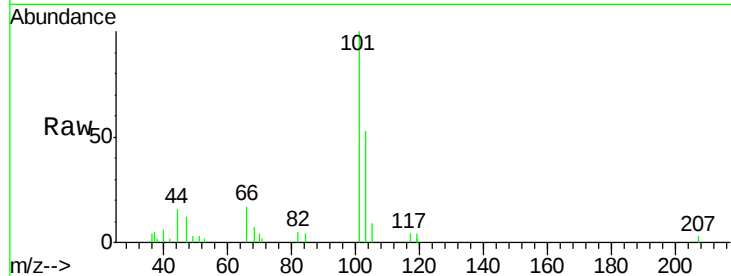
Trichlorofluoromethane
 Concen: 4.981 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	53.0	49.0	73.4

Manual Integrations
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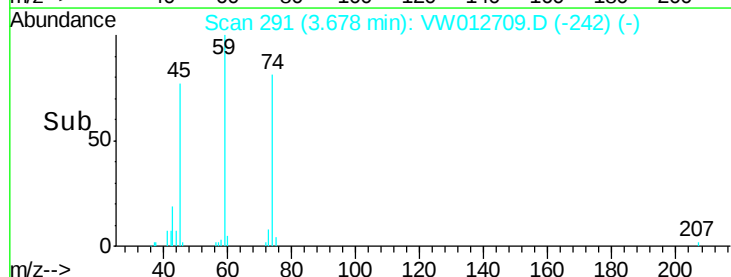
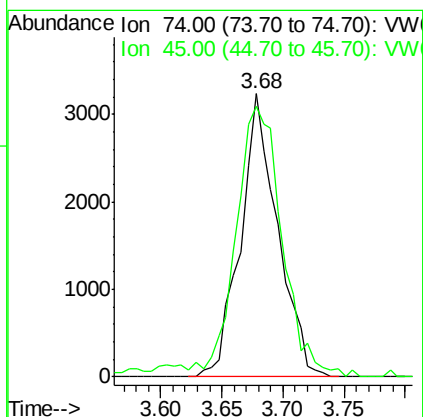
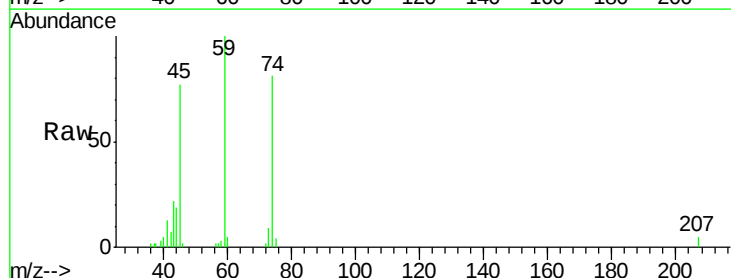
MMDadoda
 9/10/2019 1:00:56 PM

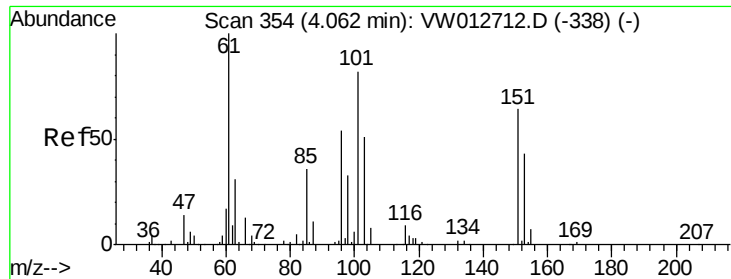


#8

Diethyl Ether
 Concen: 5.139 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.8	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.114 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

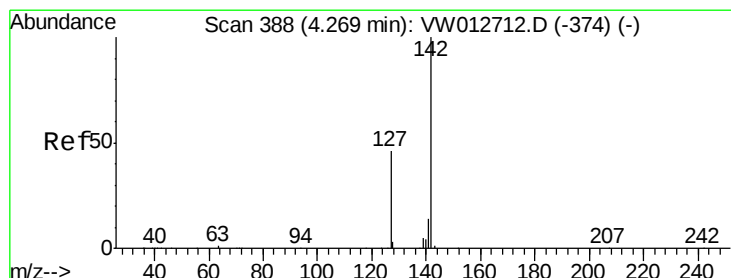
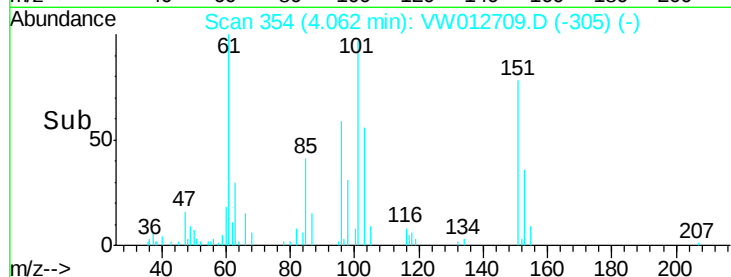
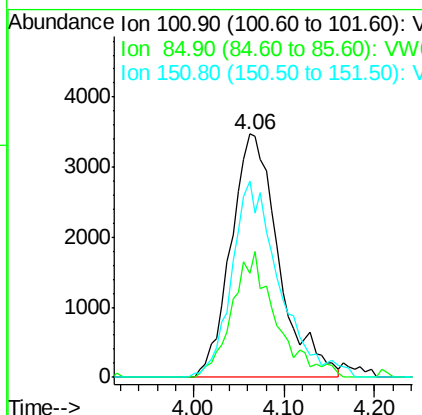
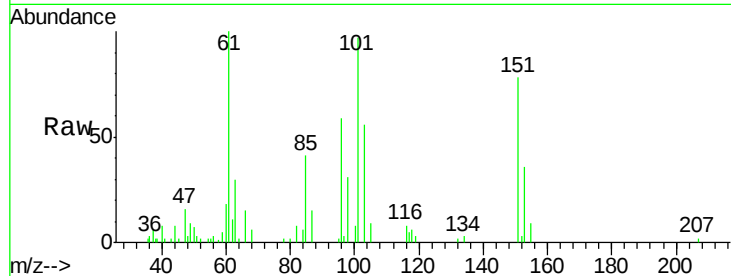
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12673
Ion Ratio	Lower	Upper	
101	100		
85	47.8	36.2	54.2
151	78.0	61.9	92.9

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 5.091 ug/l

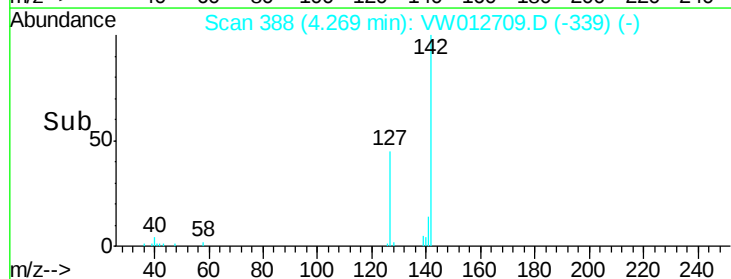
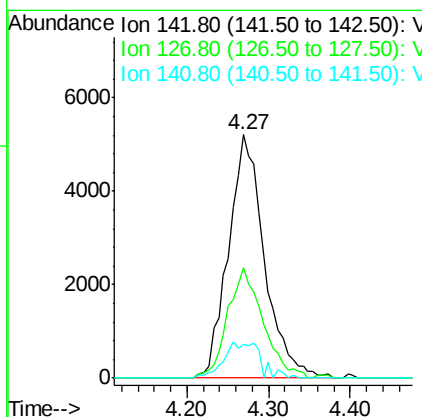
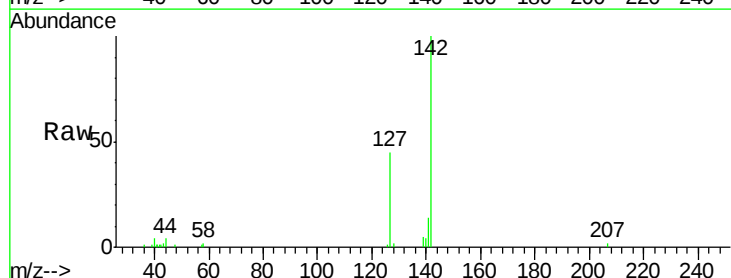
RT: 4.27 min Scan# 388

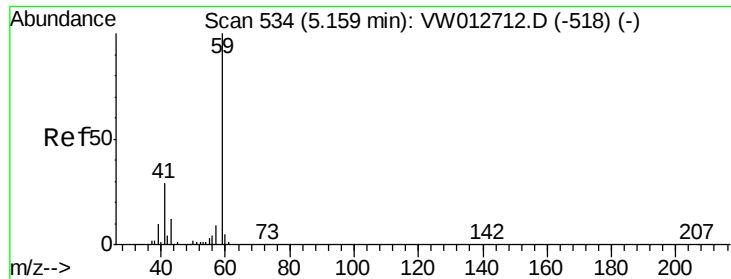
Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Tgt Ion:	142	Resp:	15882
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.0	54.0
141	14.8	12.2	18.4





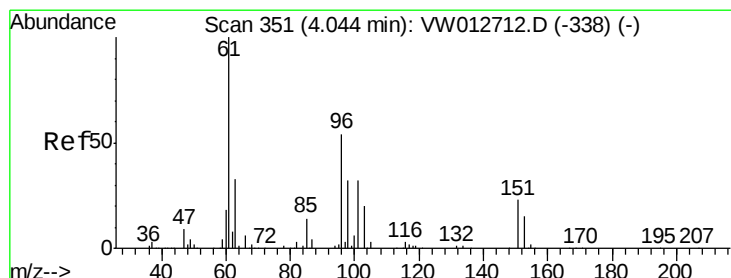
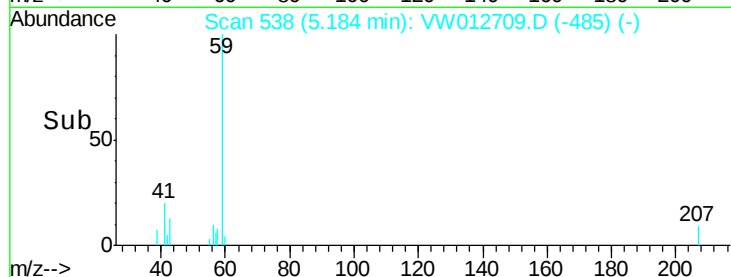
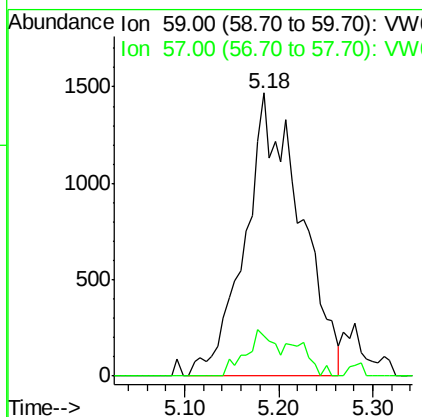
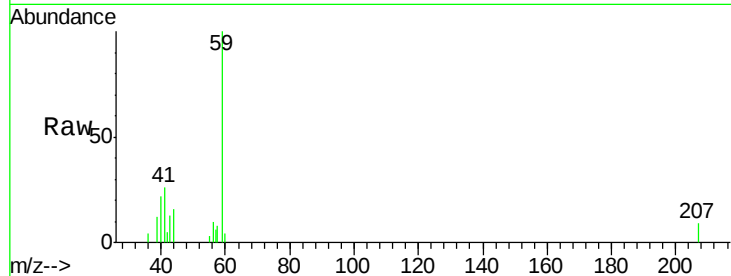
#11
Tert butyl alcohol
Concen: 24.828 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.5	8.2	12.4

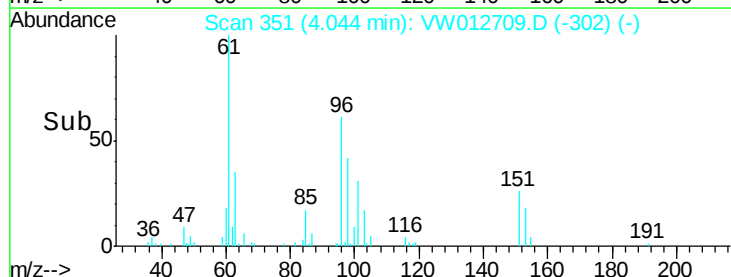
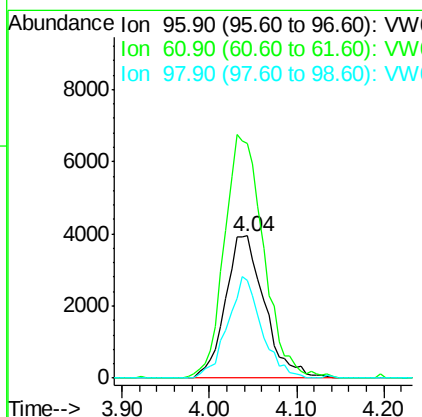
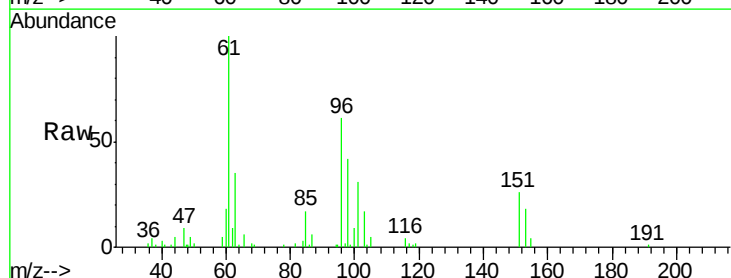
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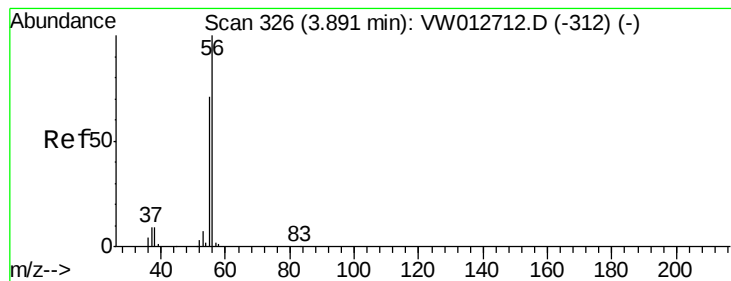
MMDadoda
9/10/2019 1:00:56 PM



#12
1,1-Dichloroethene
Concen: 5.252 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.2	147.8	221.6
98	68.6	47.9	71.9





#13

Acrolein

Concen: 25.447 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6540

Ion Ratio Lower Upper

56 100

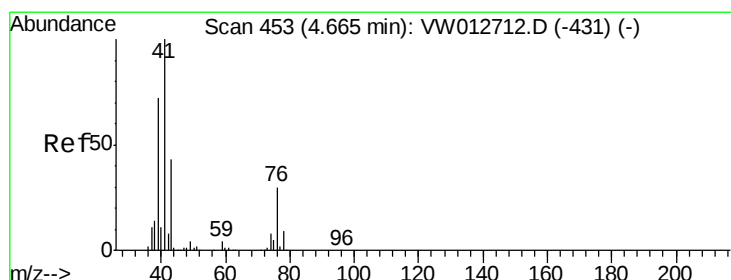
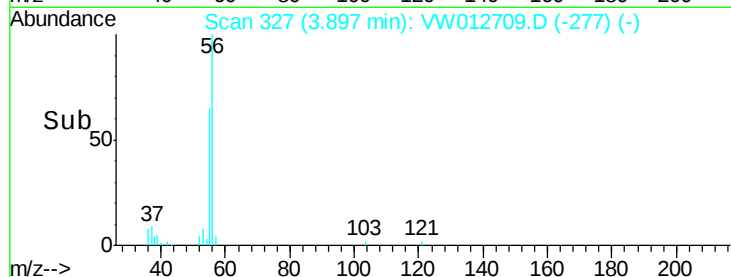
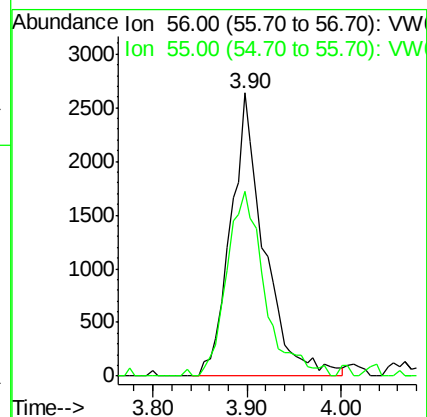
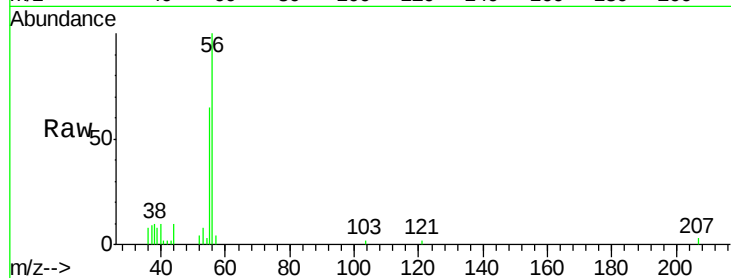
55 73.6 56.9 85.3

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#14

Allyl chloride

Concen: 5.062 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

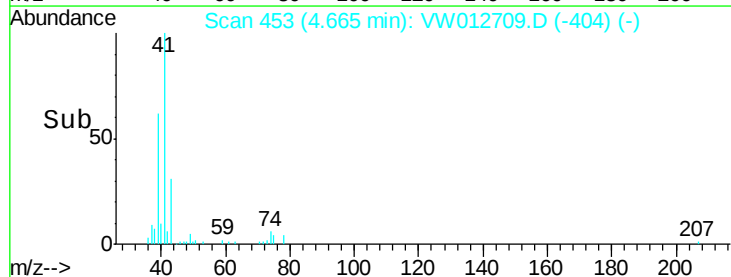
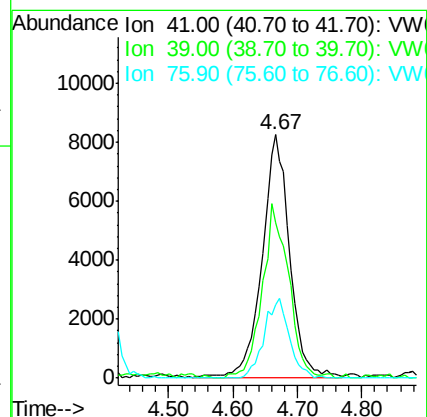
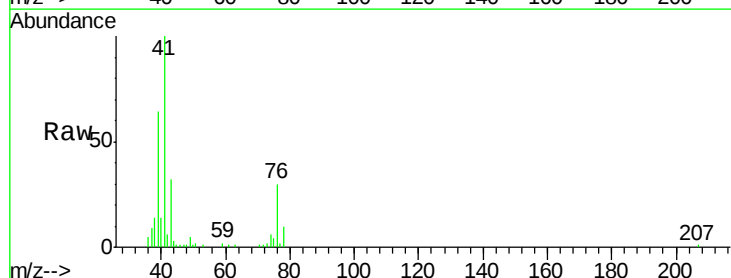
Tgt Ion: 41 Resp: 24499

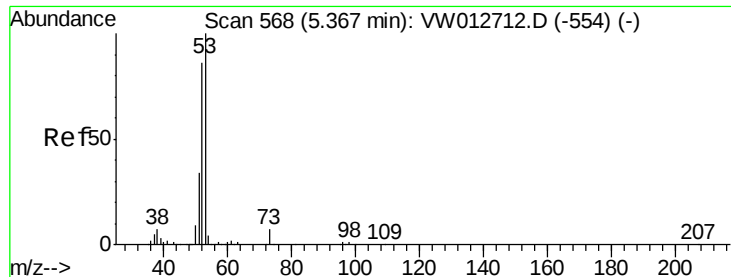
Ion Ratio Lower Upper

41 100

39 68.6 55.0 82.6

76 29.7 23.0 34.4





#15

Acrylonitrile

Concen: 22.060 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

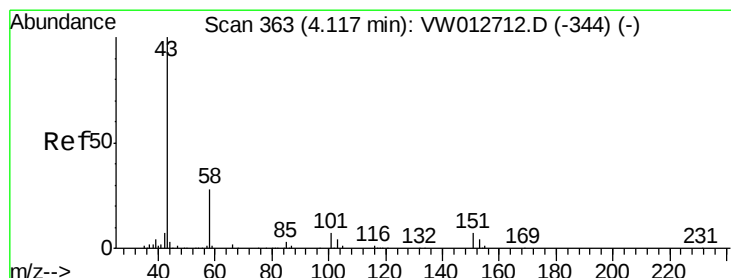
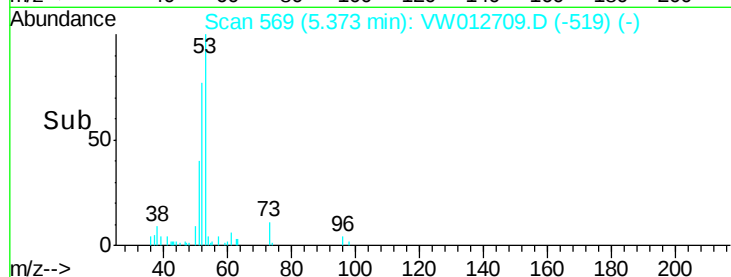
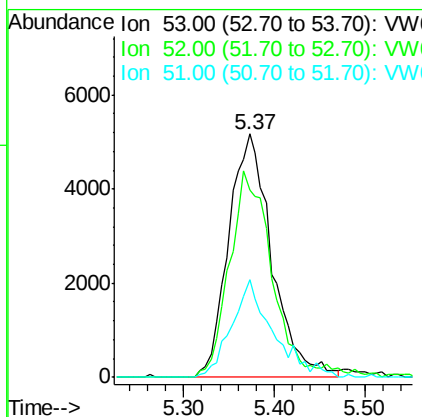
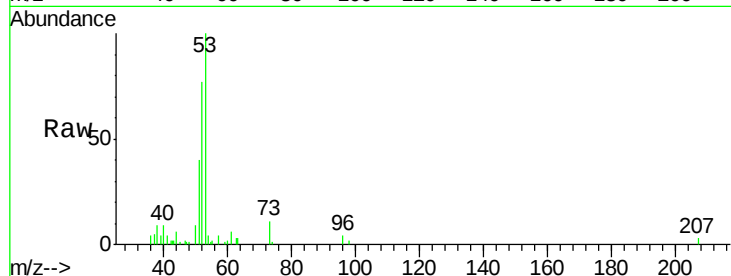
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17102
Ion	Ratio	Lower	Upper
53	100		
52	81.4	67.0	100.4
51	37.0	29.8	44.8

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#16

Acetone

Concen: 22.540 ug/l

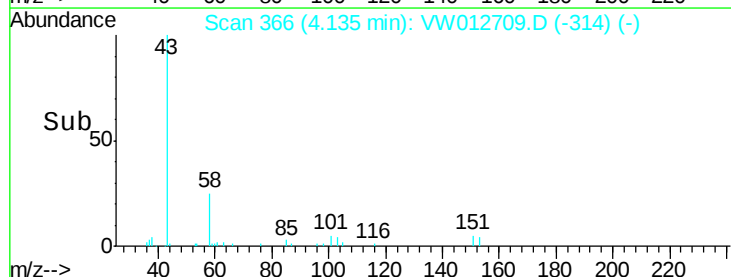
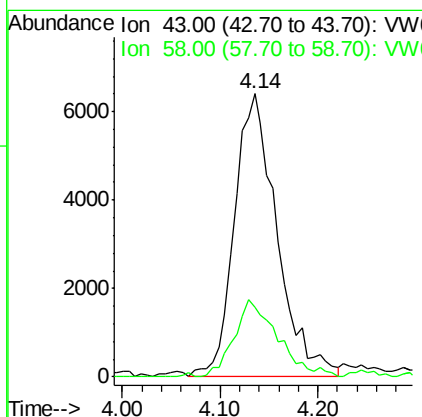
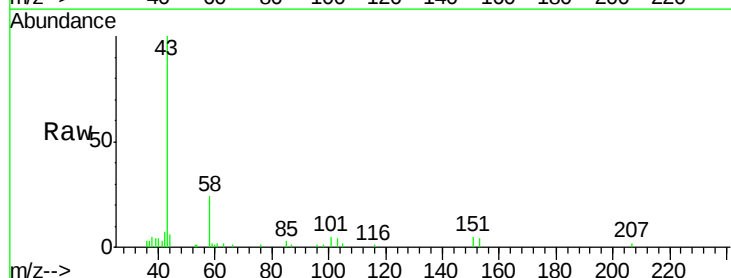
RT: 4.14 min Scan# 366

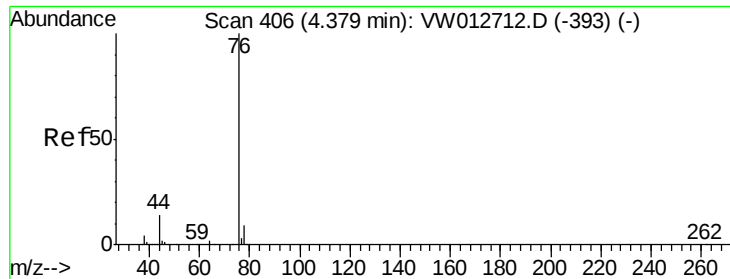
Delta R.T. 0.02 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Tgt Ion:	43	Resp:	19451
Ion	Ratio	Lower	Upper
43	100		
58	24.4	22.6	33.8





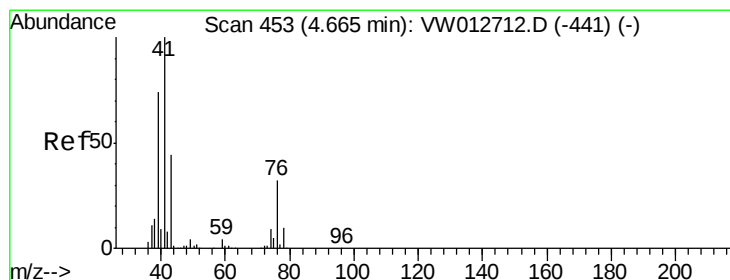
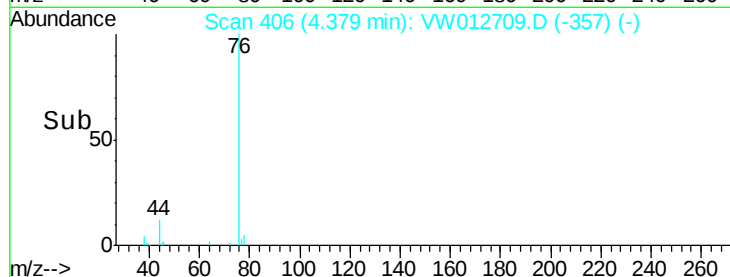
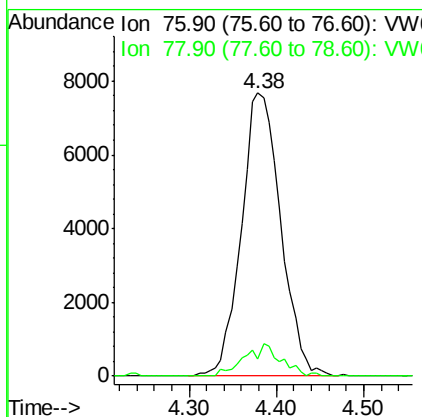
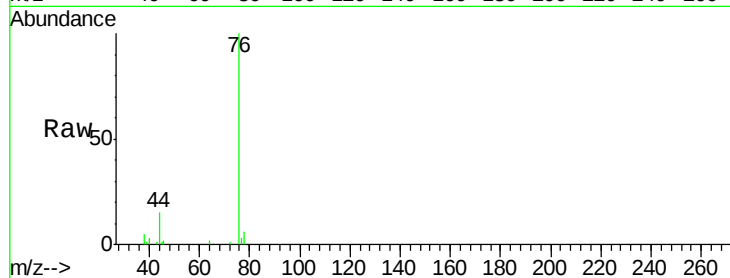
#17
Carbon Disulfide
Concen: 4.820 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	6.3	7.2	10.8#

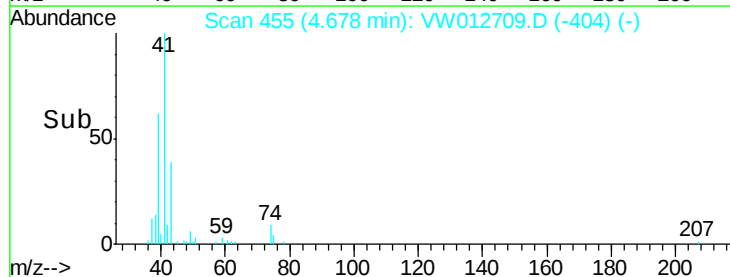
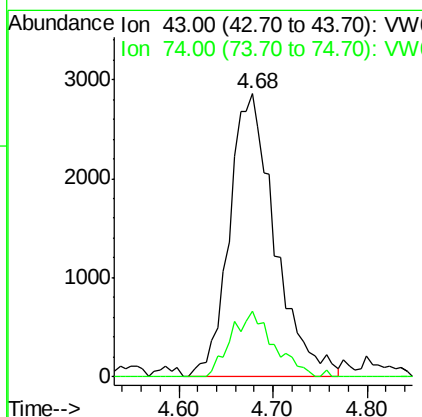
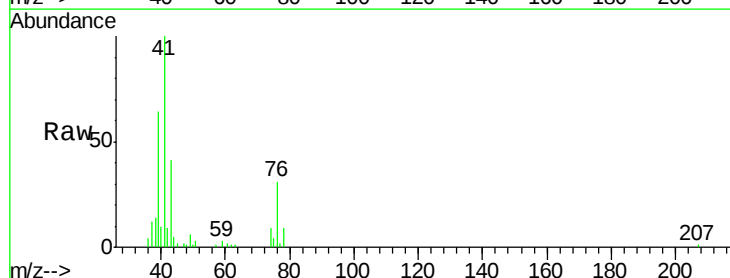
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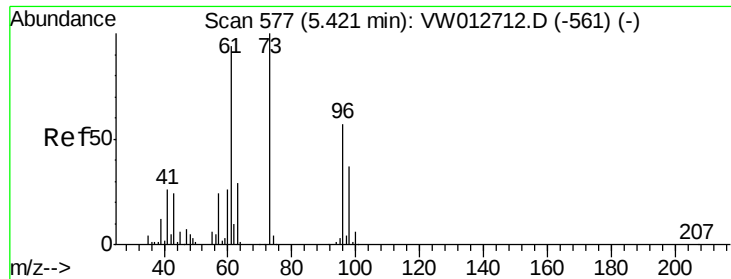
MMDadoda
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#18
Methyl Acetate
Concen: 4.758 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	15.8	23.6





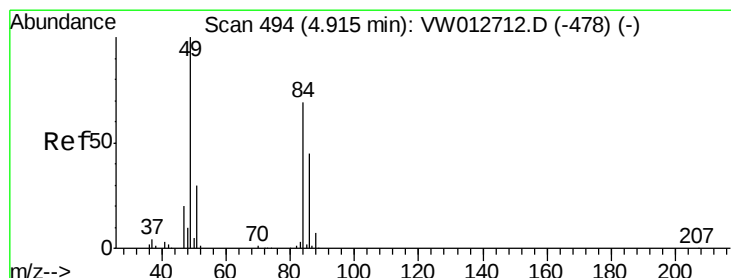
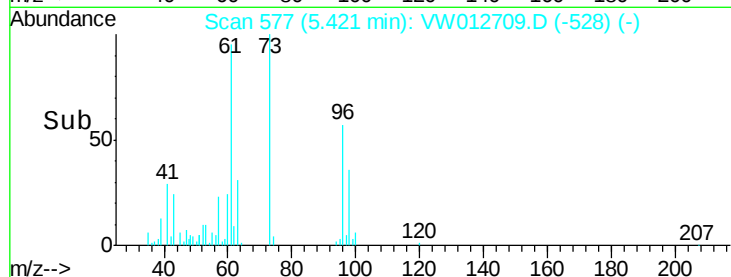
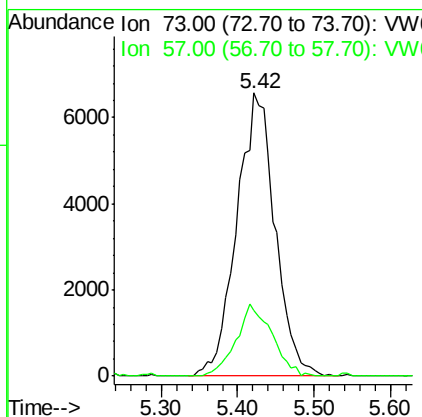
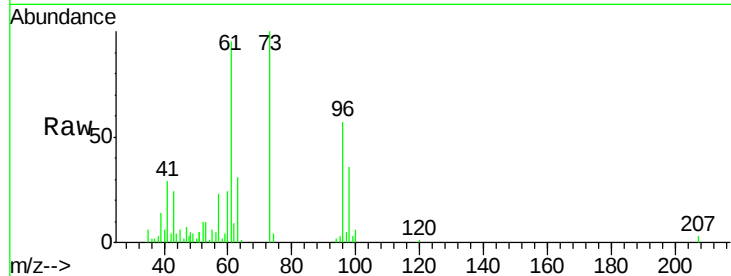
#19
Methvl tert-butvl Ether
Concen: 4.923 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 22843
Ion Ratio Lower Upper
73 100
57 23.2 19.2 28.8

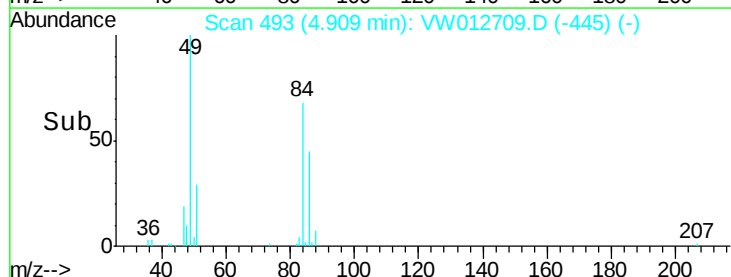
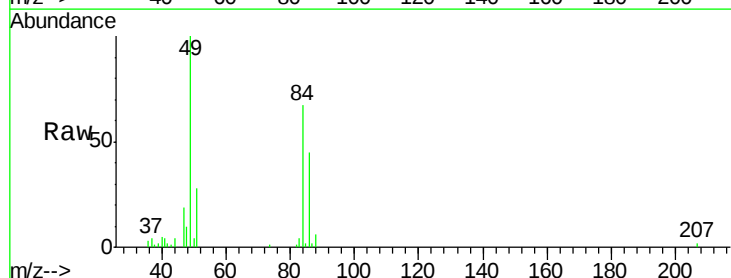
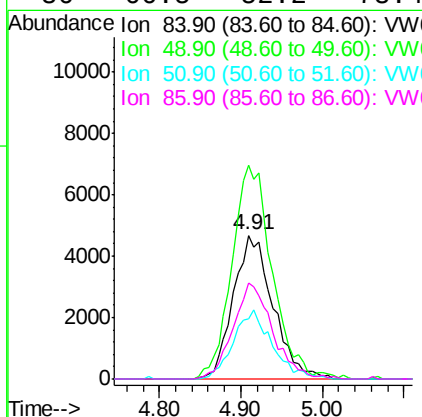
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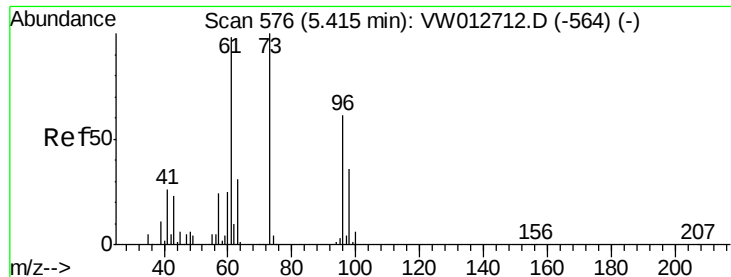
MMDadoda
9/10/2019 1:00:56 PM



#20
Methylene Chloride
Concen: 5.861 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion: 84 Resp: 15823
Ion Ratio Lower Upper
84 100
49 148.3 115.4 173.0
51 42.2 34.9 52.3
86 66.5 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 4.833 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

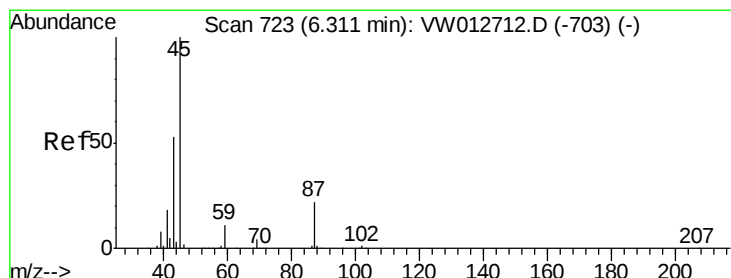
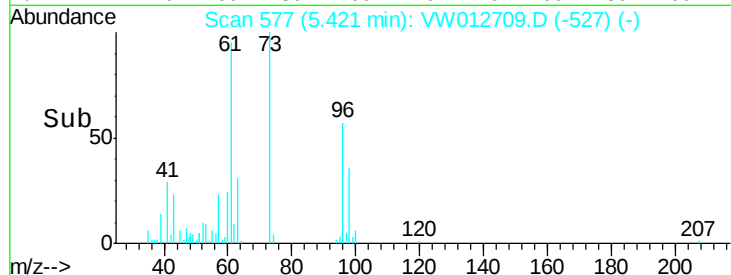
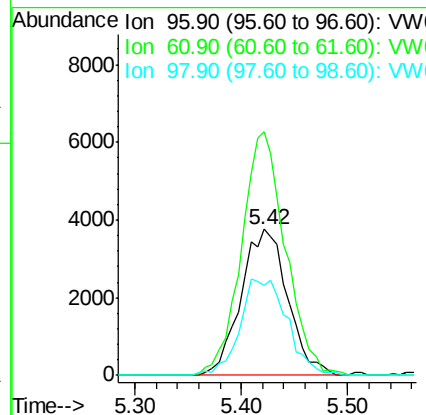
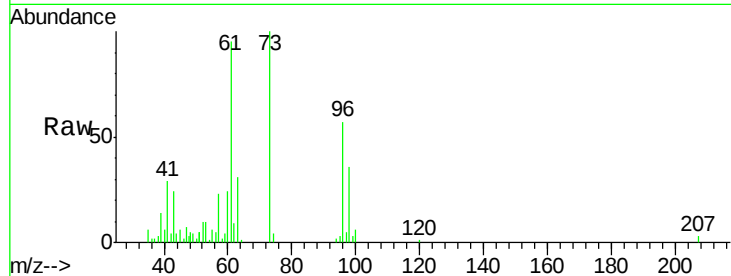
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11537
Ion	Ratio	Lower	Upper
96	100		
61	166.8	129.2	193.8
98	62.1	48.0	72.0

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#22

Diisopropyl ether

Concen: 5.066 ug/l

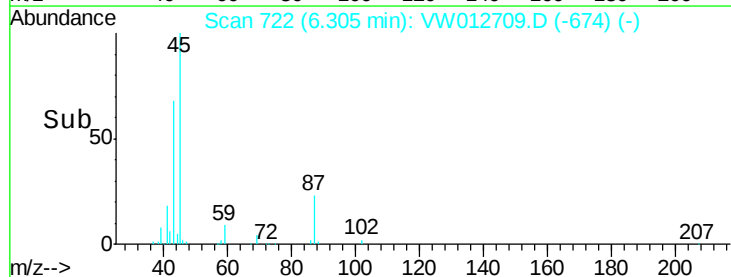
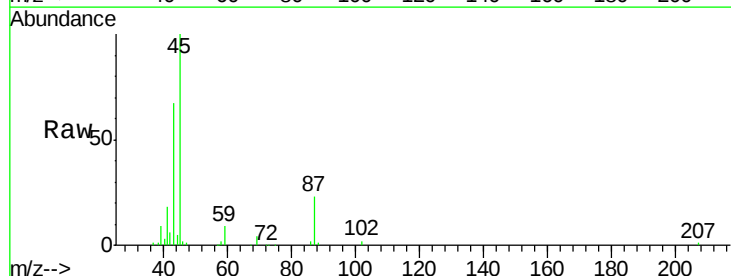
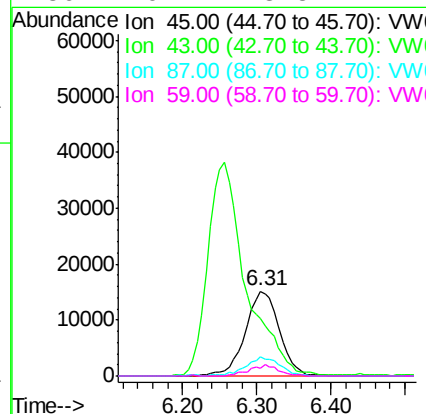
RT: 6.31 min Scan# 722

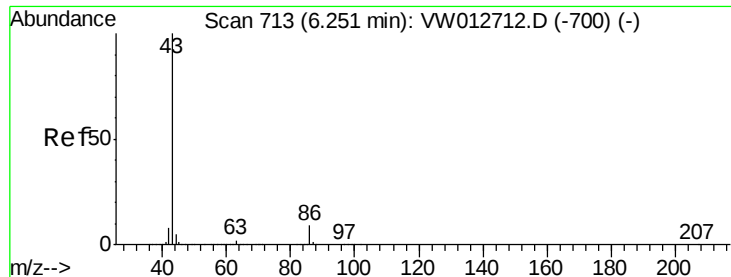
Delta R.T. -0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Tgt Ion:	45	Resp:	48623
Ion	Ratio	Lower	Upper
45	100		
43	66.0	42.3	63.5#
87	22.2	18.2	27.2
59	9.4	8.5	12.7





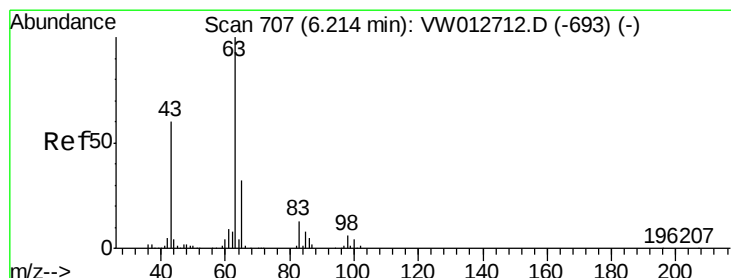
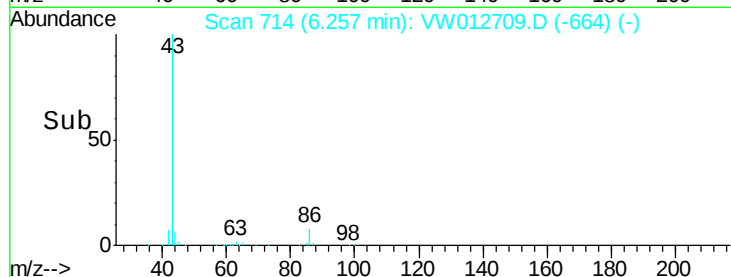
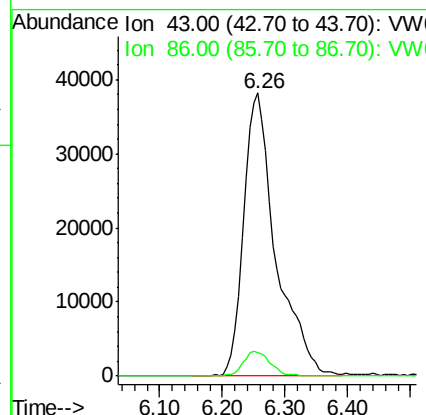
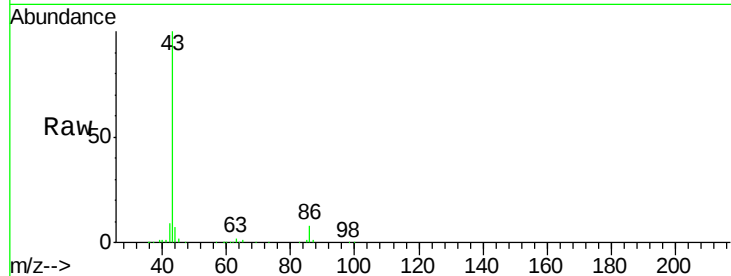
#23
 Vinyl Acetate
 Concen: 22.281 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	135538
Ion Ratio	Lower	Upper	
43	100		
86	8.3	7.0	10.6

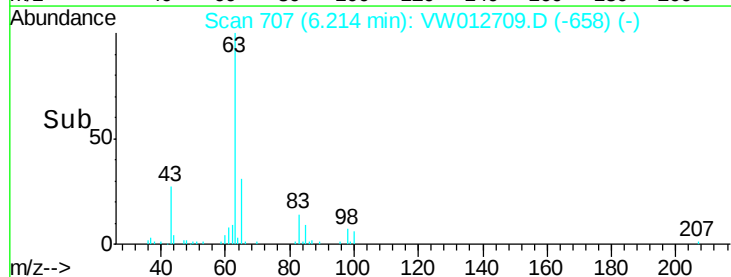
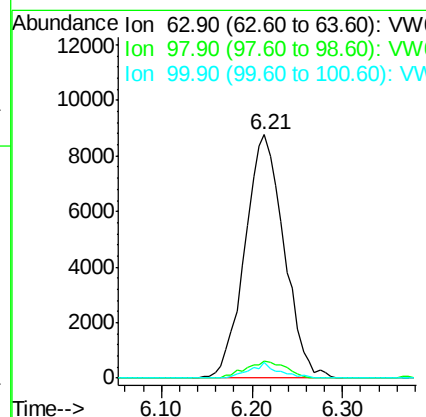
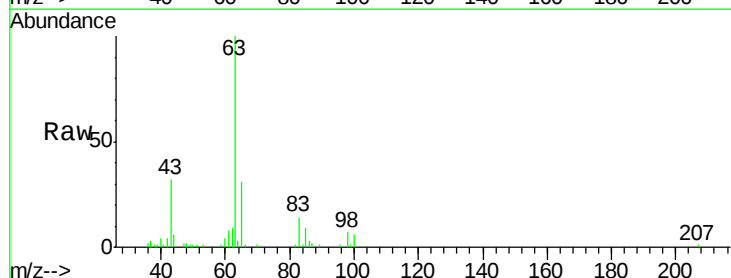
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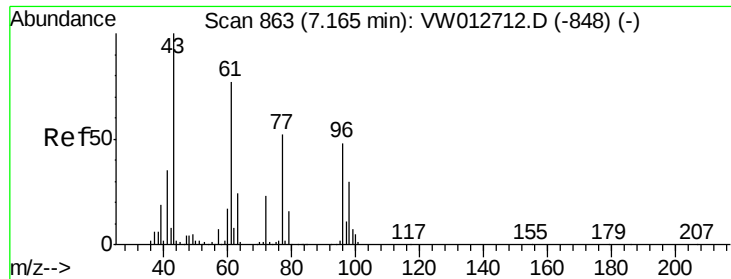
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 5.061 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	63	Resp	26156
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.1	9.3
100	6.3	1.8	5.5#





#25

2-Butanone

Concen: 21.897 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 24942

Ion Ratio Lower Upper

43 100

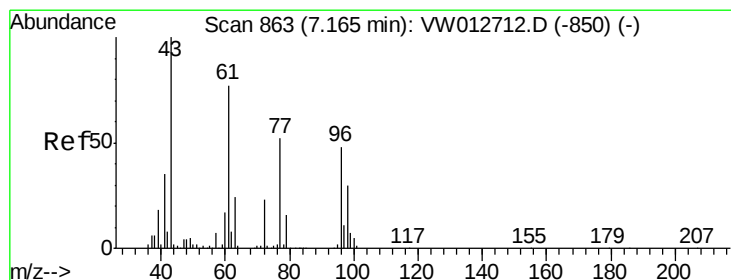
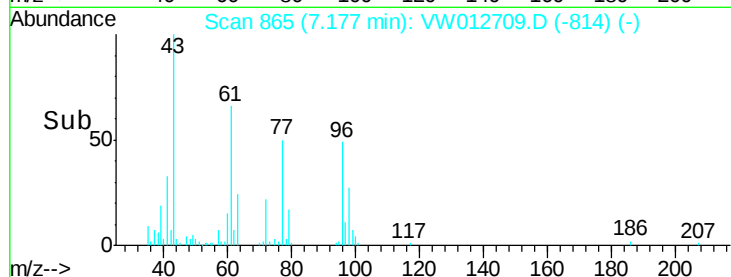
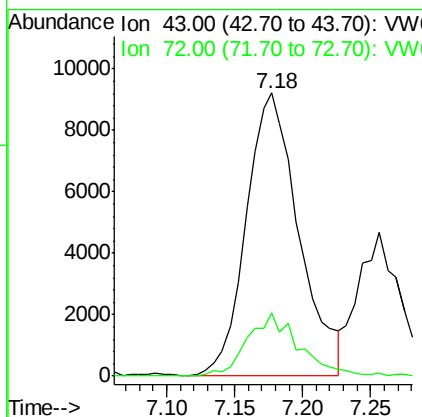
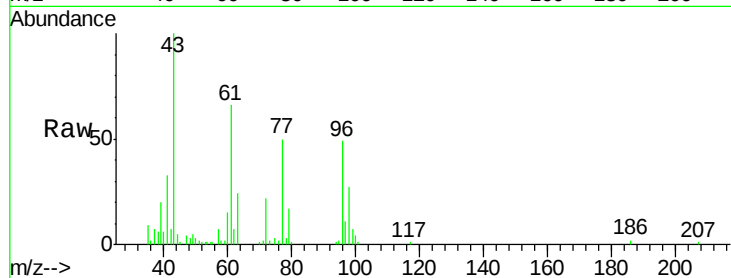
72 22.4 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.112 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012709.D

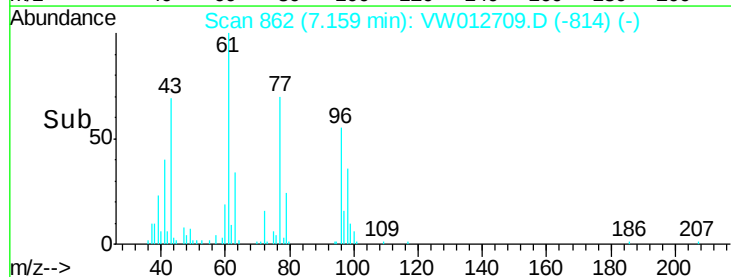
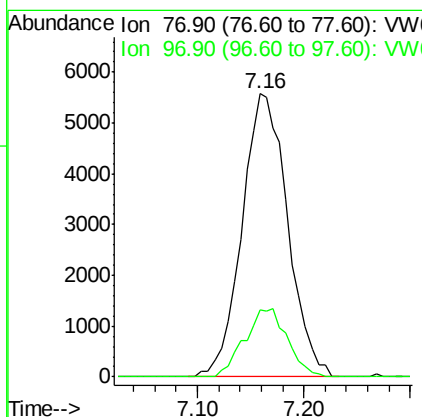
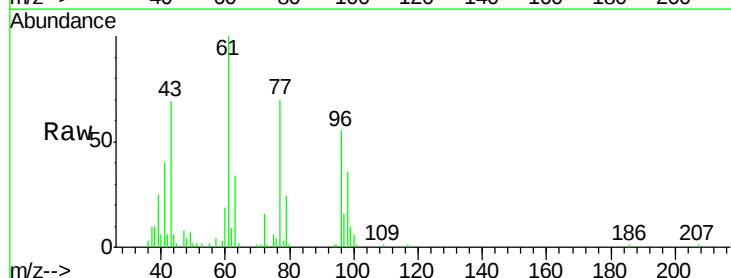
Acq: 07 Sep 2019 09:45

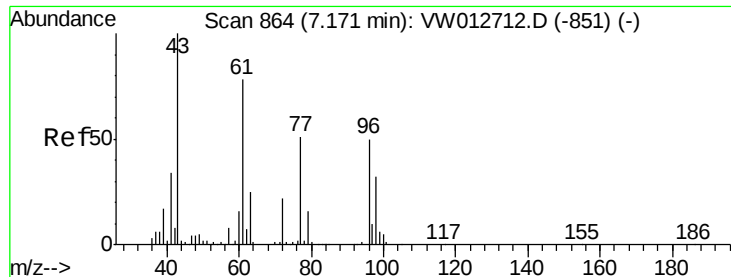
Tgt Ion: 77 Resp: 16686

Ion Ratio Lower Upper

77 100

97 22.7 10.7 32.1





#27

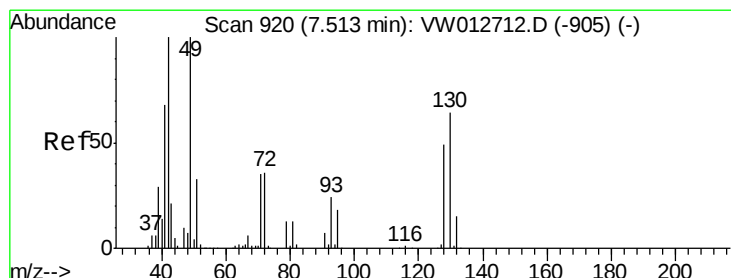
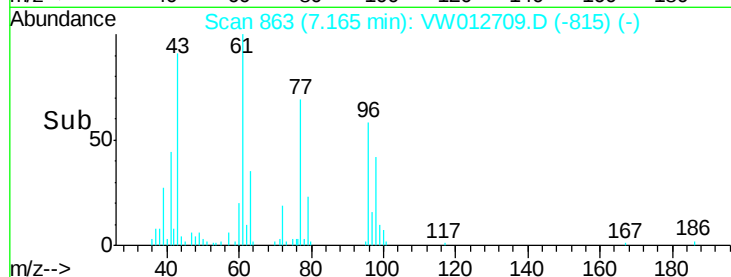
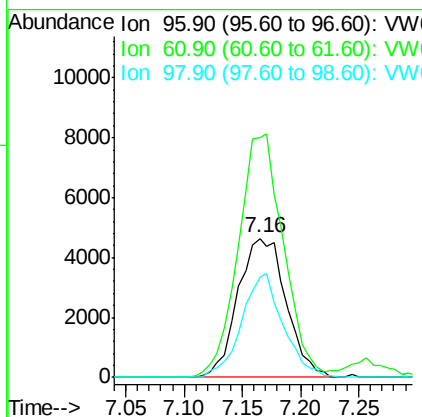
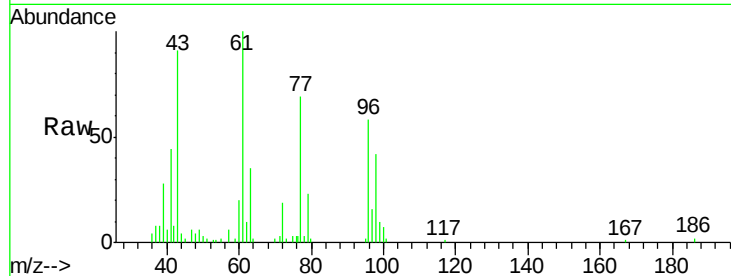
cis-1,2-Dichloroethene
Concen: 4.827 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.7	0.0	325.8
98	64.4	0.0	127.0

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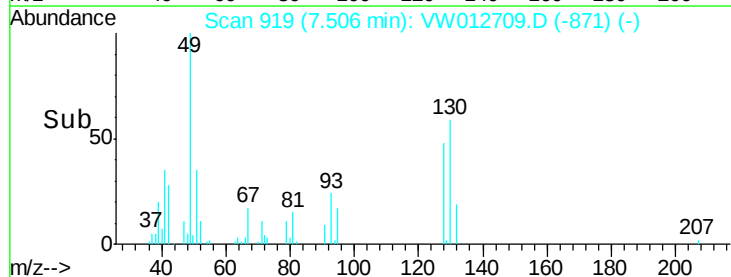
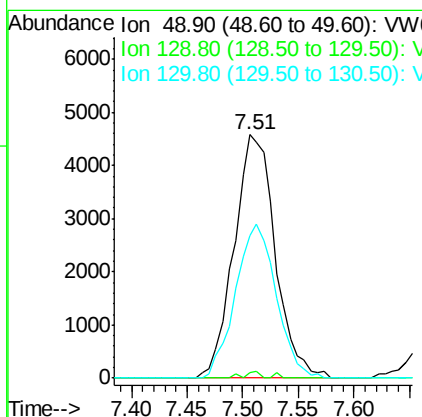
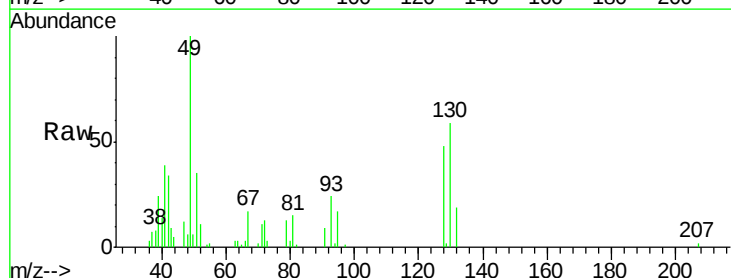
MMDadoda
9/10/2019 1:00:56 PM



#28

Bromochloromethane
Concen: 4.966 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	0.8#
130	62.4	49.8	74.8





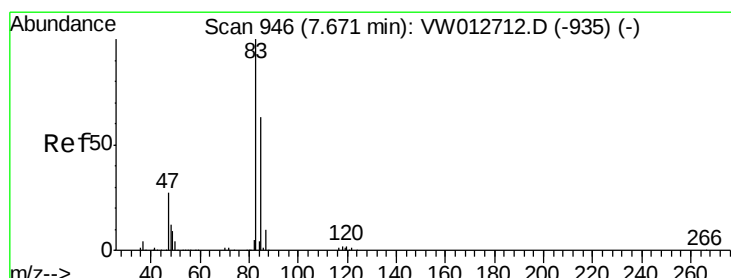
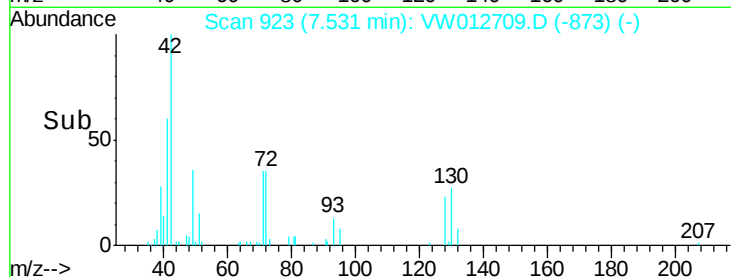
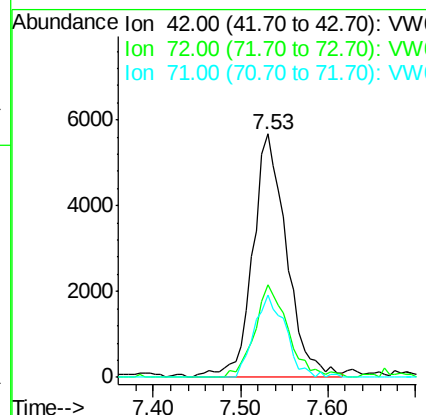
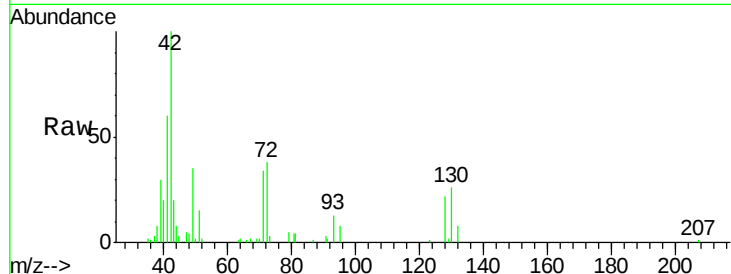
#29
Tetrahydrofuran
Concen: 21.926 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	28.4	42.6
71	31.0	27.1	40.7

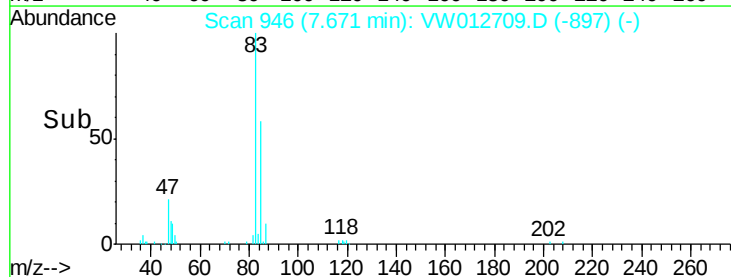
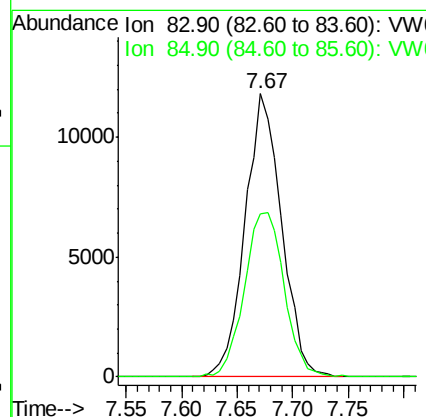
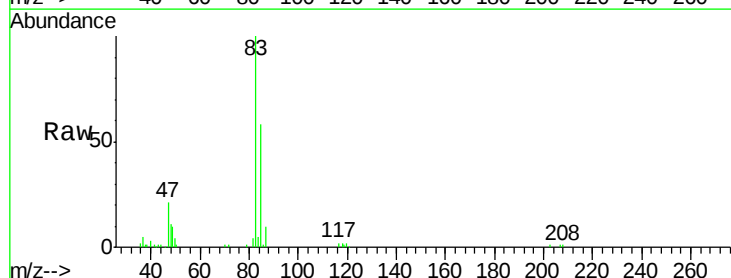
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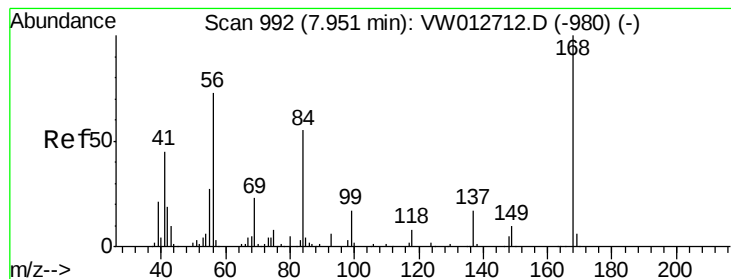
MMDadoda
9/10/2019 1:00:56 PM



#30
Chloroform
Concen: 5.257 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.6	50.6	76.0





#31

Cyclohexane

Concen: 5.841 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 27179

Ion Ratio Lower Upper

56 100

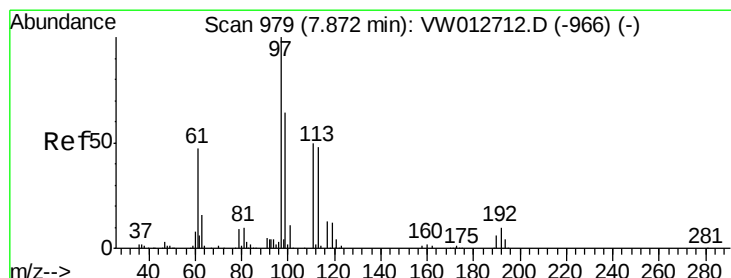
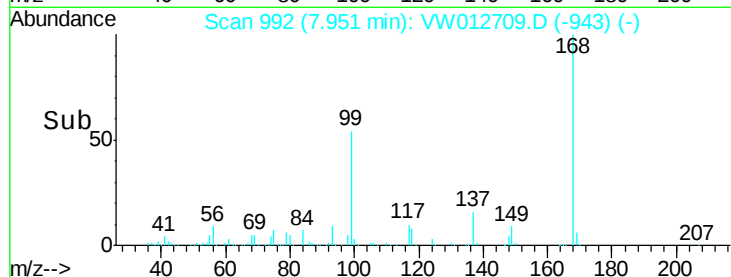
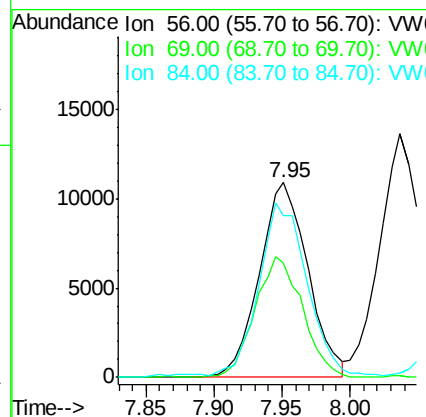
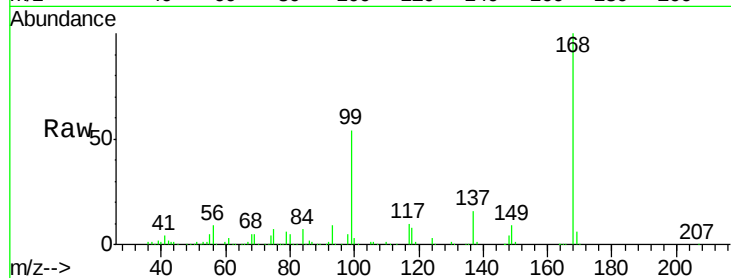
69 58.5 25.7 38.5#

84 82.0 60.4 90.6

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#32

1,1,1-Trichloroethane

Concen: 4.933 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

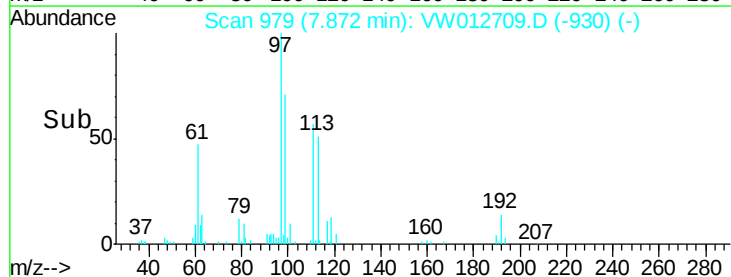
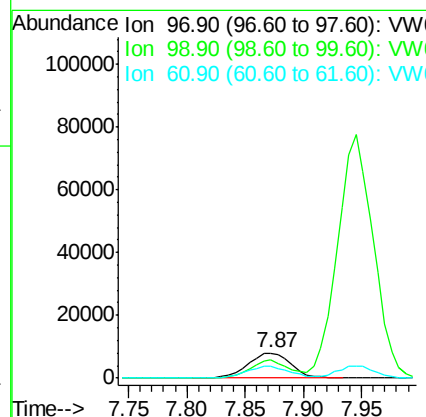
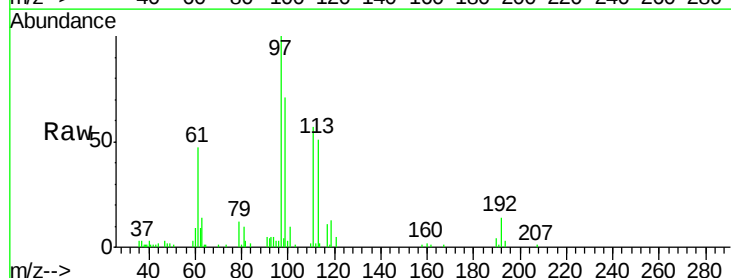
Tgt Ion: 97 Resp: 20482

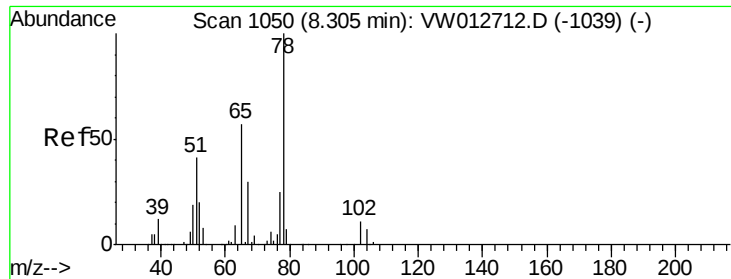
Ion Ratio Lower Upper

97 100

99 66.1 51.5 77.3

61 46.8 37.9 56.9





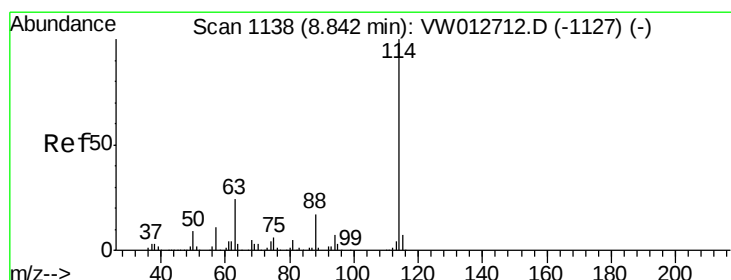
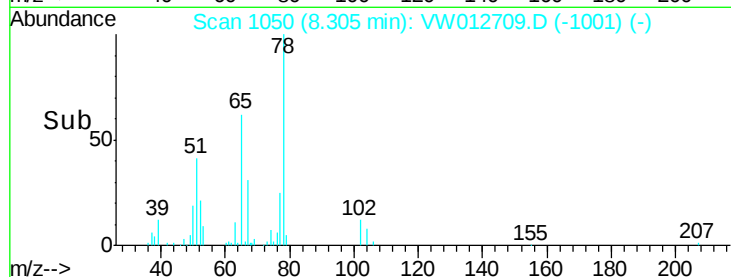
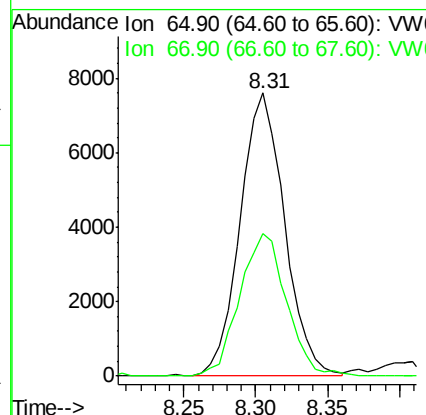
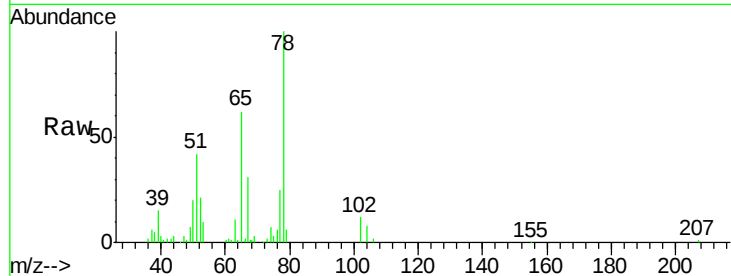
#33
 1,2-Dichloroethane-d4
 Concen: 5.146 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	16288		
67	52.9	0.0	101.8	

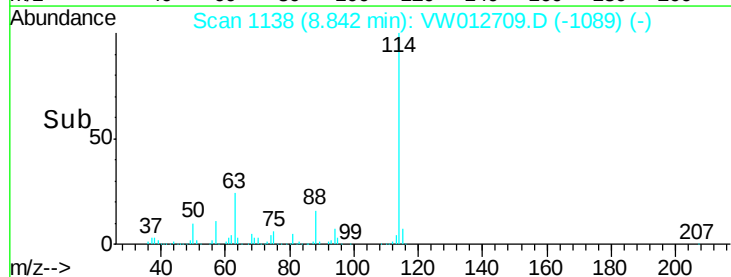
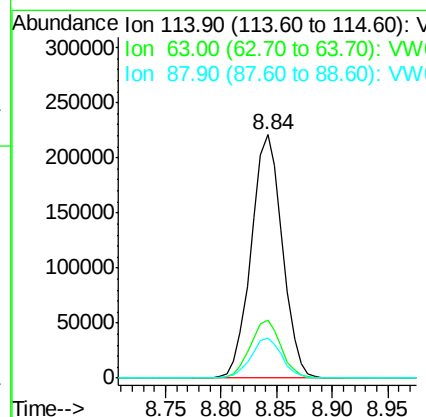
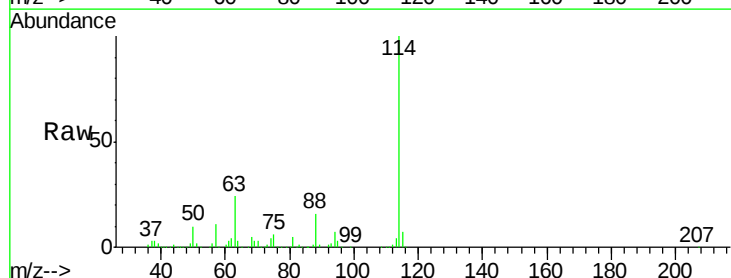
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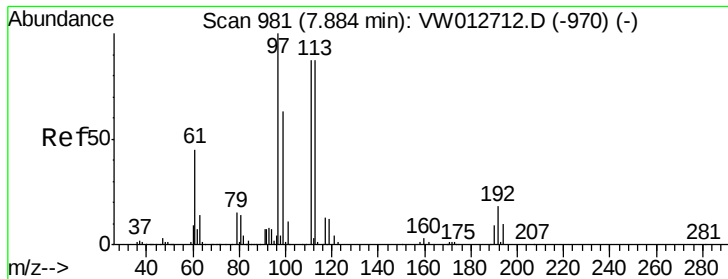
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430343		
63	24.1	0.0	47.2	
88	16.3	0.0	34.0	





#35

Dibromofluoromethane

Concen: 5.304 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

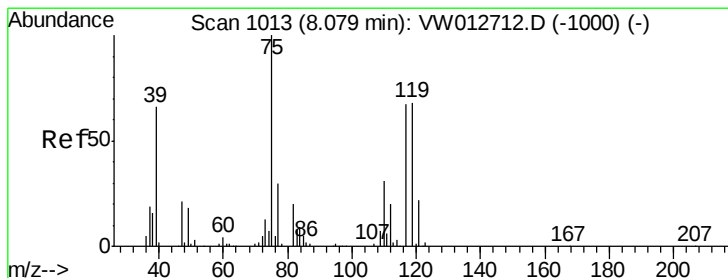
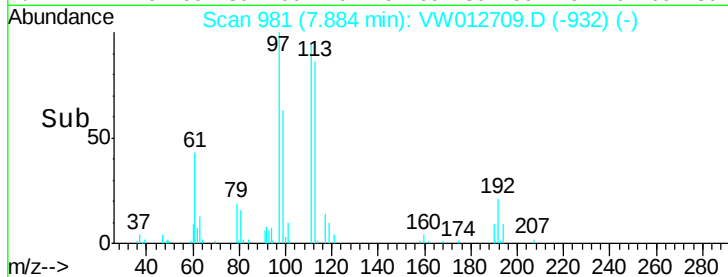
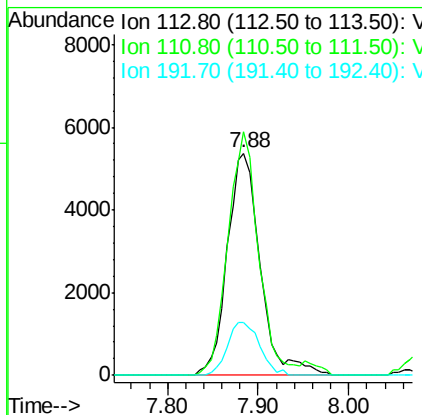
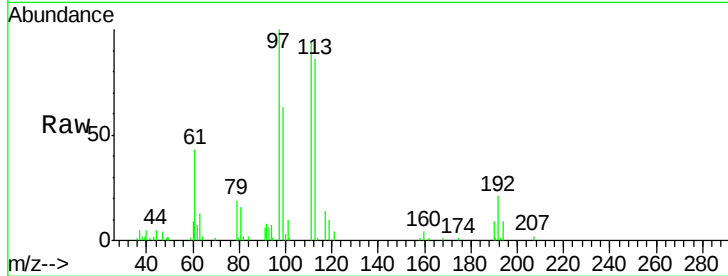
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	13570
Ion Ratio	Lower	Upper	
113	100		
111	101.6	80.2	120.4
192	23.1	17.3	25.9

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9/10/2019 1:00:56 PM



#36

1,1-Dichloropropene

Concen: 4.895 ug/l

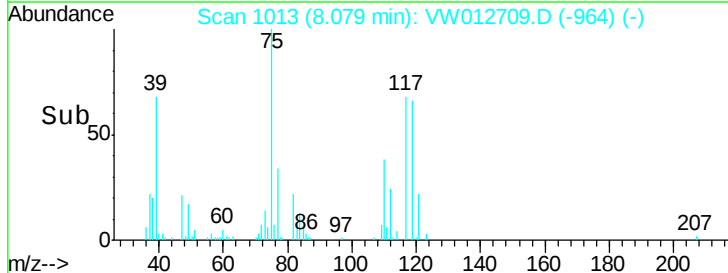
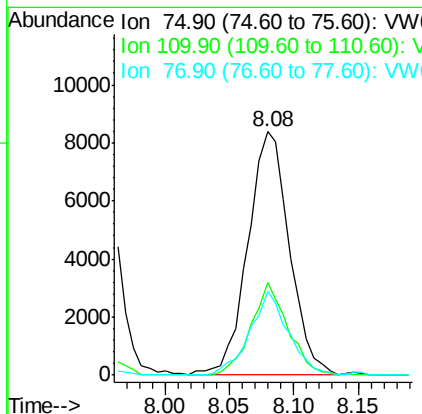
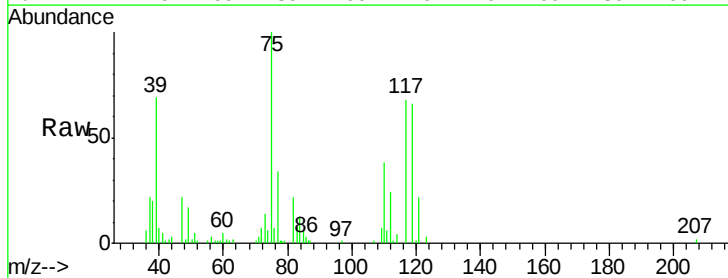
RT: 8.08 min Scan# 1013

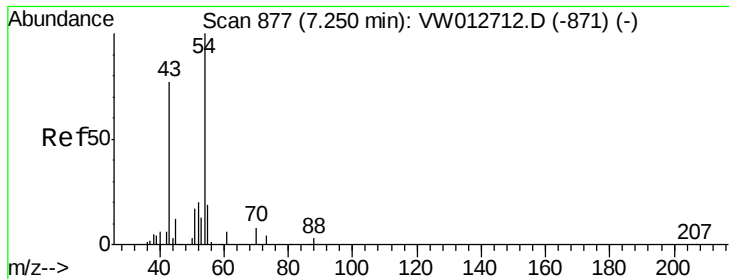
Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Tgt Ion:	75	Resp:	18718
Ion Ratio	Lower	Upper	
75	100		
110	33.5	15.9	47.7
77	31.7	25.0	37.4





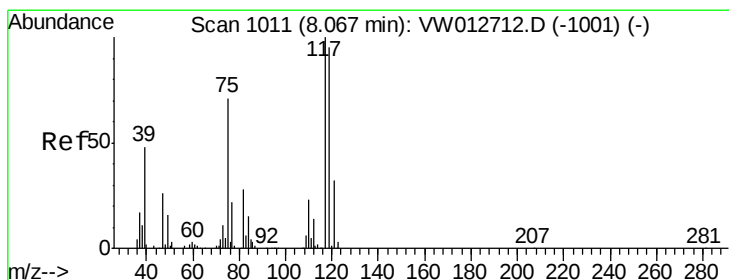
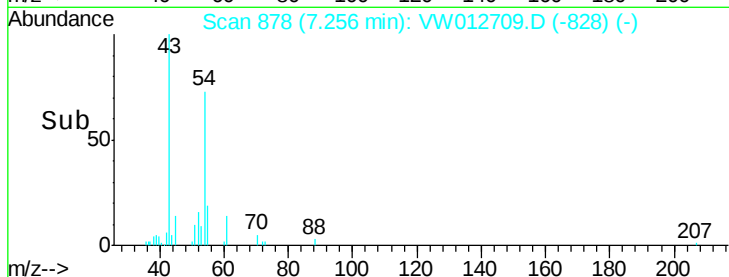
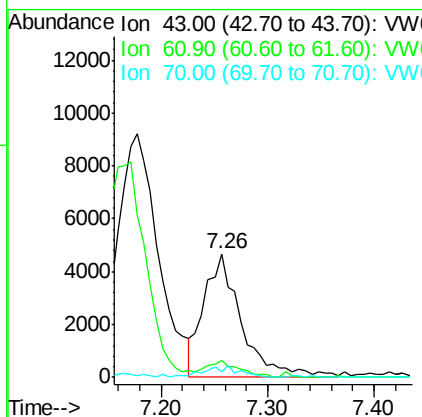
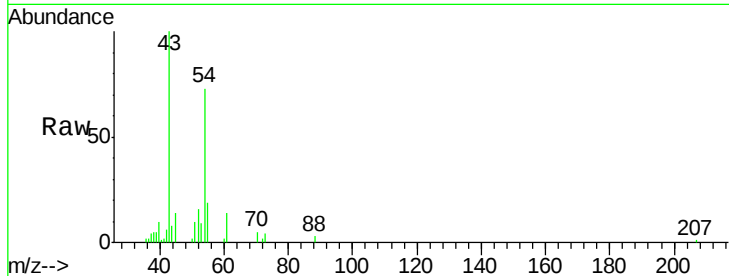
#37
Ethyl Acetate
Concen: 4.699 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.5	14.3
70	4.6	7.0	10.6

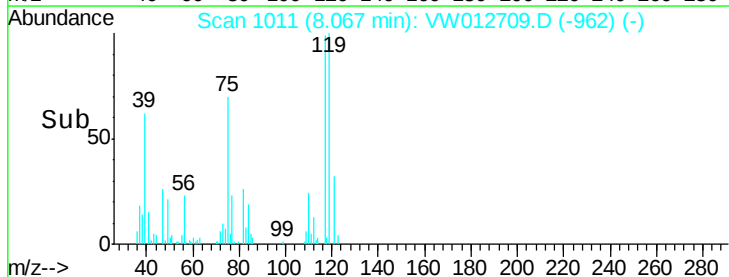
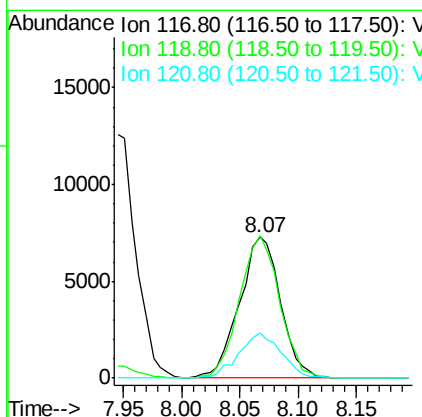
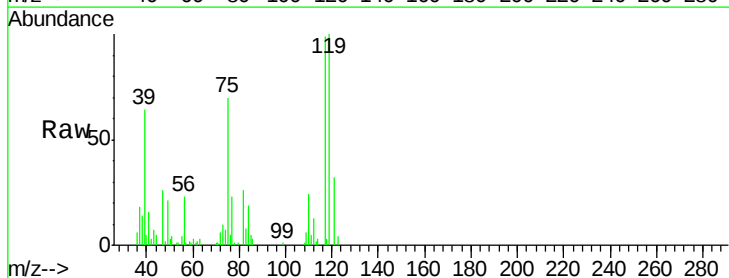
Manual Integrations
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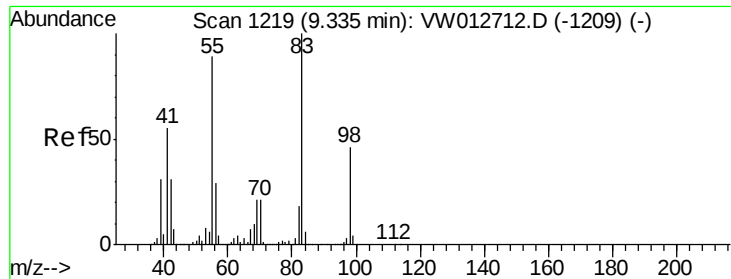
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.745 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.4	76.2	114.2
121	32.5	25.4	38.2





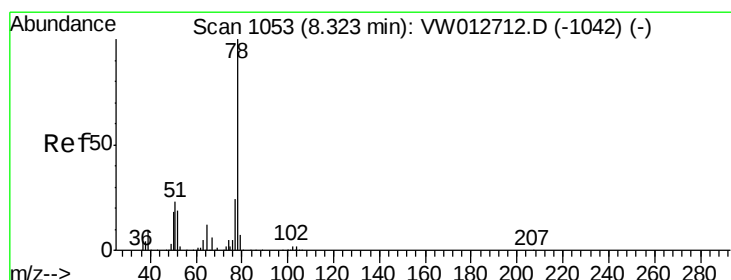
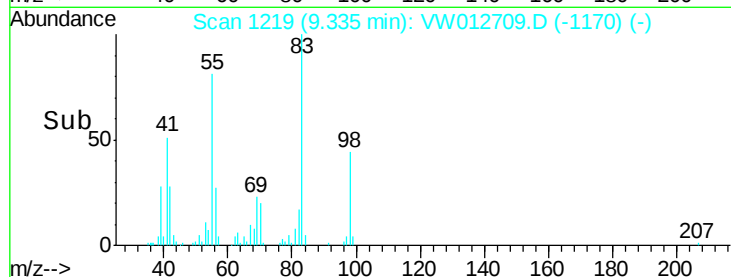
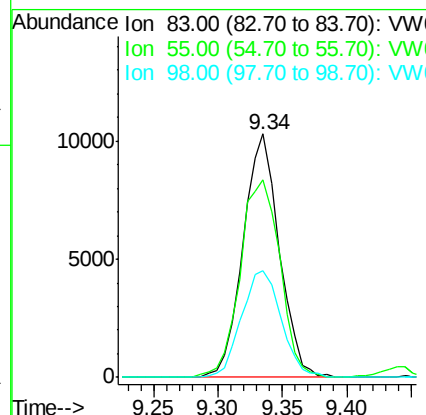
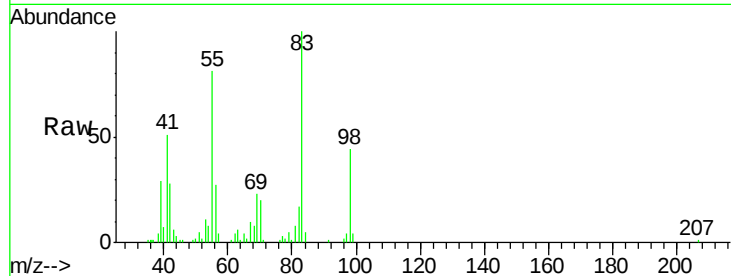
#39
Methvlcvclohexane
Concen: 4.657 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.2	71.0	106.4
98	43.9	36.9	55.3

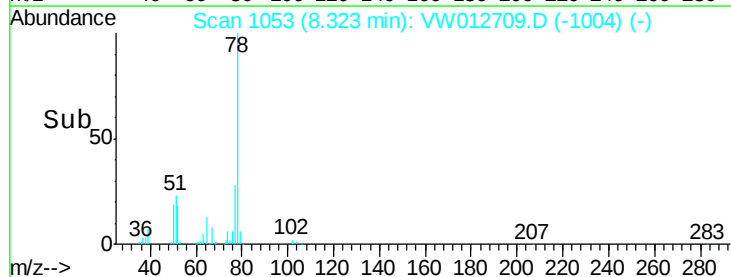
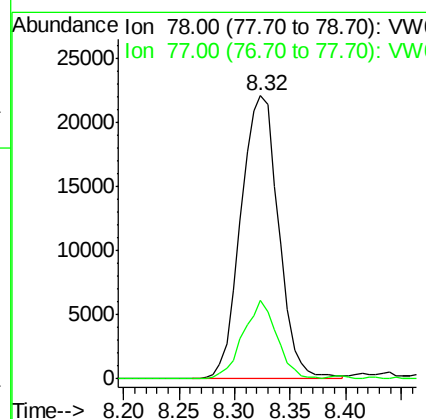
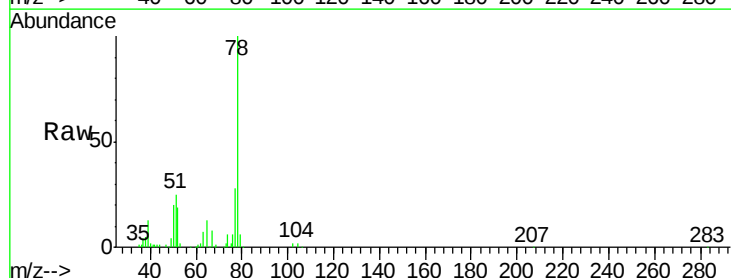
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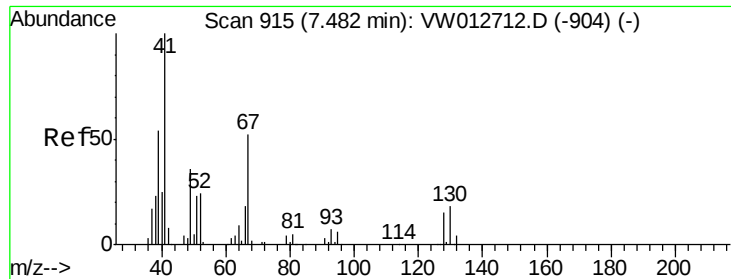
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#40
Benzene
Concen: 4.920 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.7	19.3	28.9





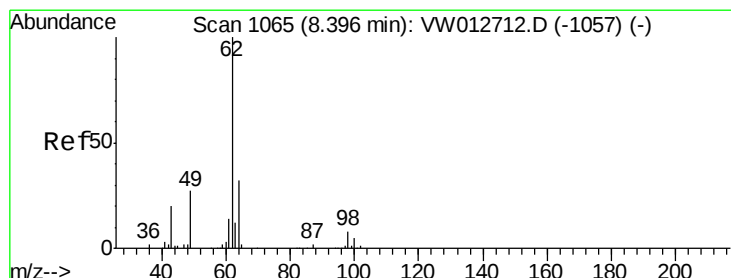
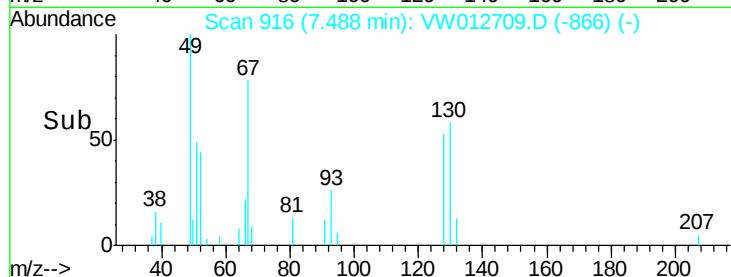
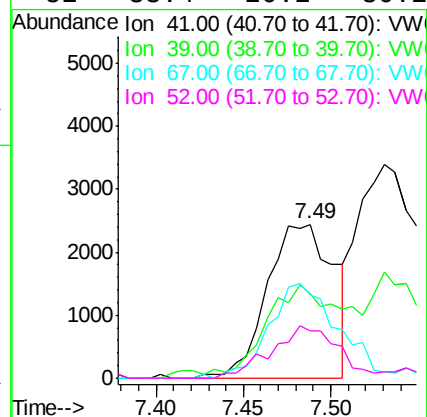
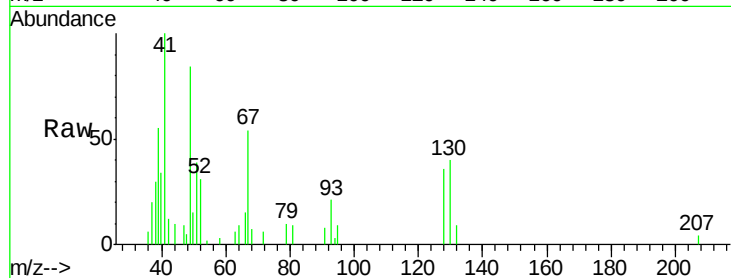
#41
Methacrylonitrile
Concen: 4.420 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	6496
Ion	Ratio	Lower	Upper
41	100		
39	61.1	47.5	71.3
67	63.3	45.1	67.7
52	33.4	20.2	30.2#

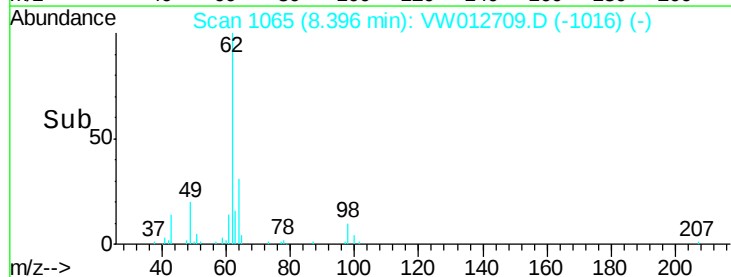
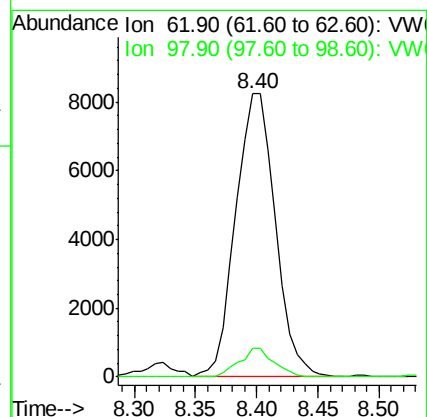
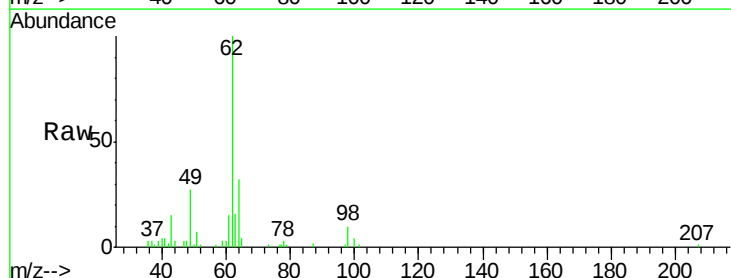
Manual Integrations
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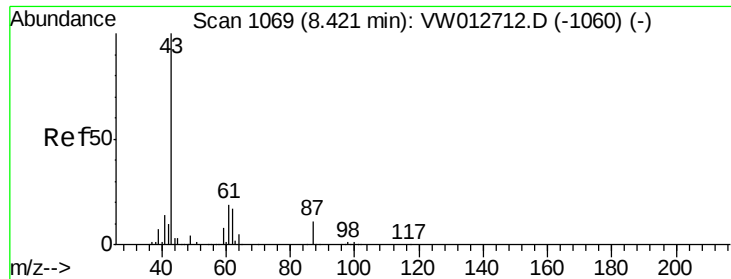
MMDadoda
9/10/2019 1:00:56 PM



#42
1,2-Dichloroethane
Concen: 4.981 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion:	62	Resp:	18597
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 4.670 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

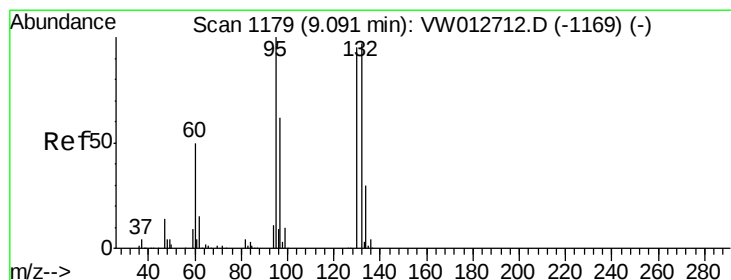
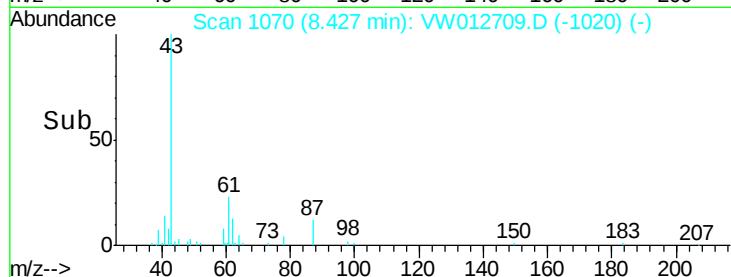
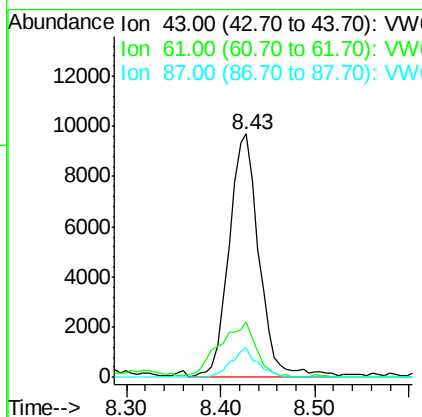
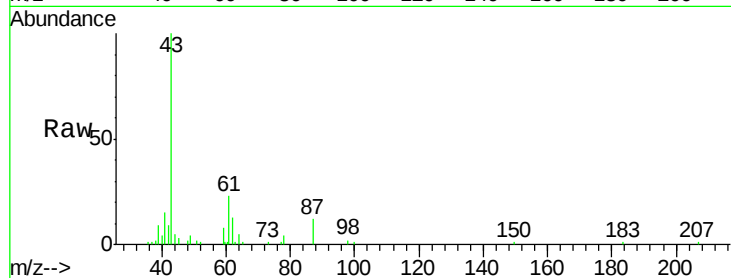
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	21568
Ion	Ratio	Lower	Upper
43	100		
61	28.1	20.6	30.8
87	10.5	8.6	13.0

Manual Integrations
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9/10/2019 1:00:56 PM



#44

Trichloroethene

Concen: 4.941 ug/l

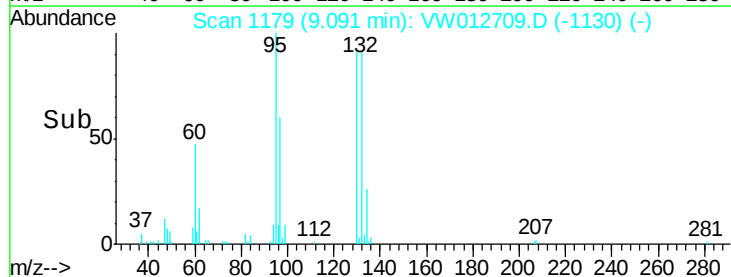
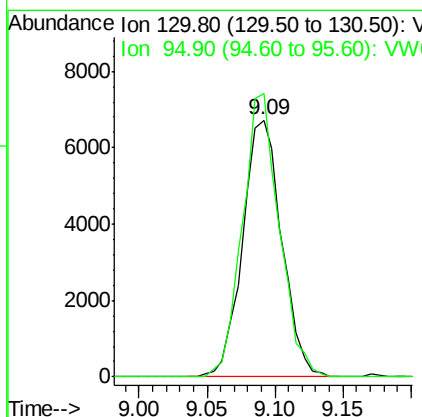
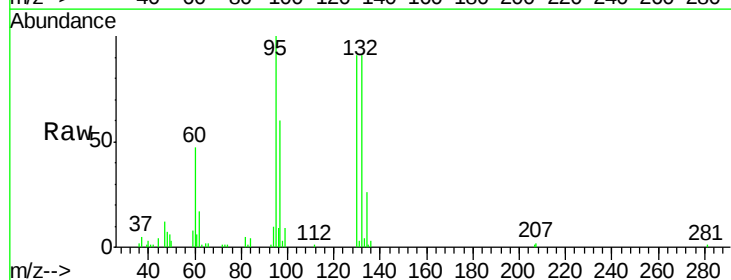
RT: 9.09 min Scan# 1179

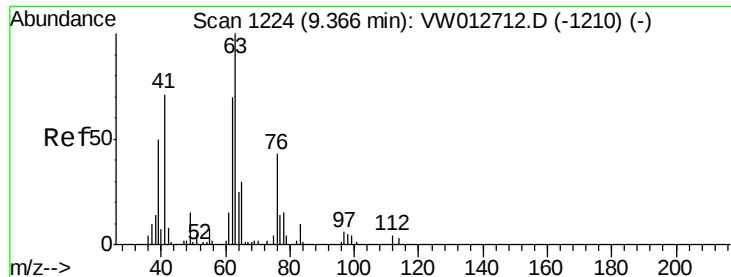
Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Tgt Ion:	130	Resp:	13513
Ion	Ratio	Lower	Upper
130	100		
95	110.1	0.0	210.6





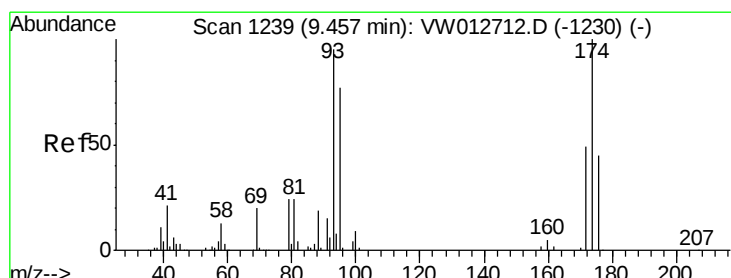
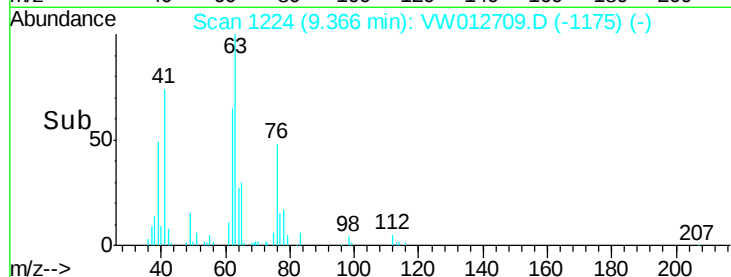
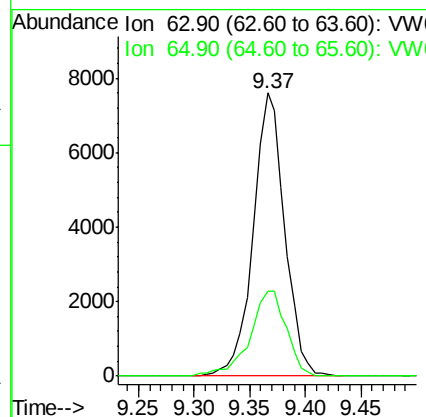
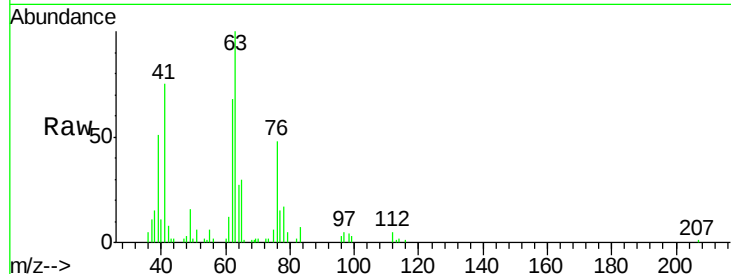
#45
 1,2-Dichloropropane
 Concen: 5.089 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 14973
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.8 35.8

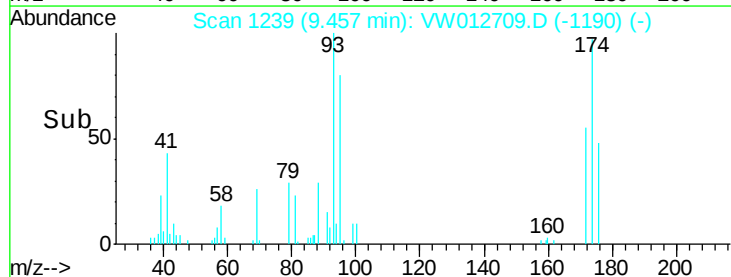
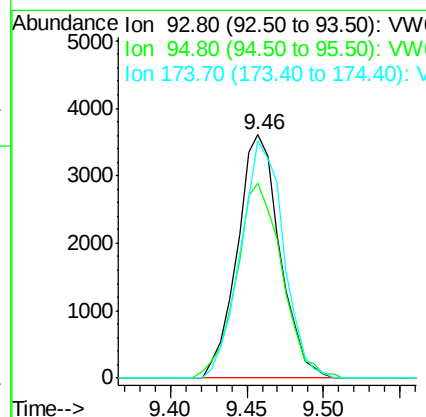
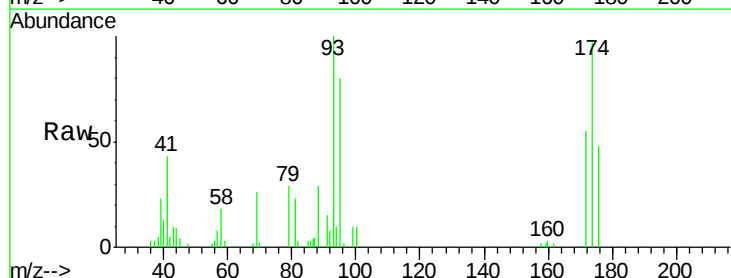
Manual Integrations
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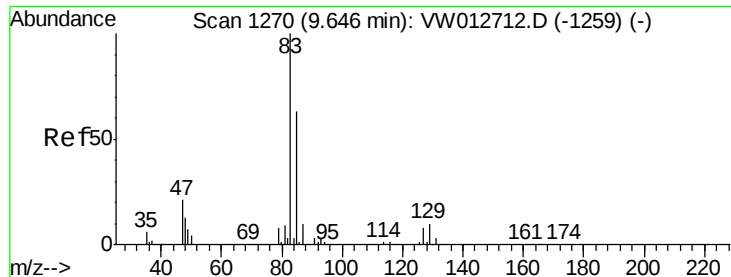
MMDadoda
 9/10/2019 1:00:56 PM



#46
 Dibromomethane
 Concen: 4.997 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion: 93 Resp: 6962
 Ion Ratio Lower Upper
 93 100
 95 85.6 65.2 97.8
 174 98.4 84.2 126.4





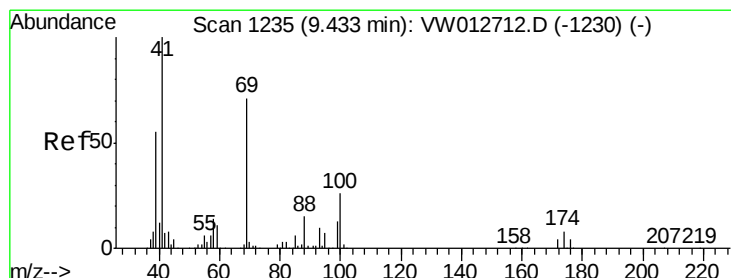
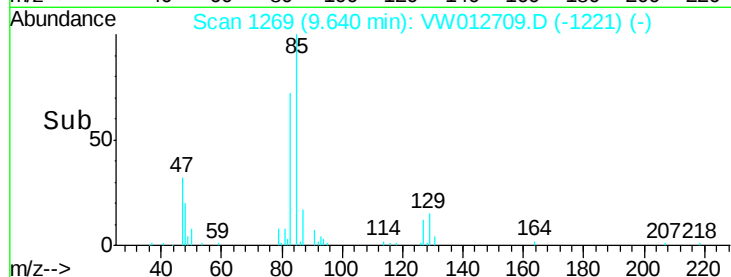
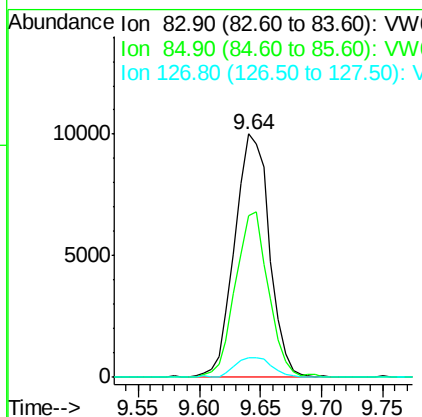
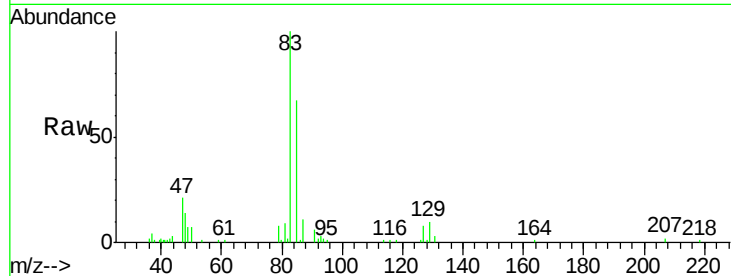
#47
 Bromodichloromethane
 Concen: 5.156 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	83	Resp	19766
Ion Ratio	100	Lower	Upper
83	100		
85	66.5	50.2	75.2
127	7.8	6.6	9.8

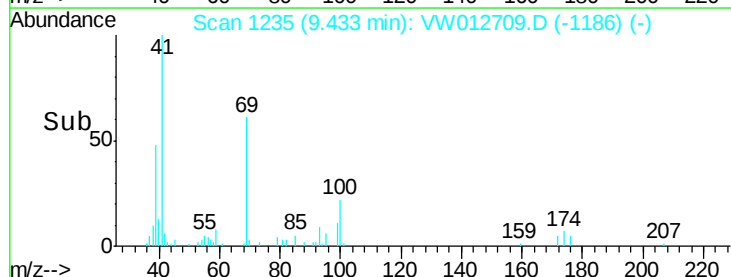
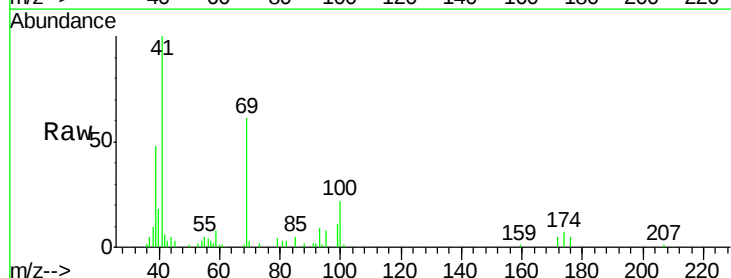
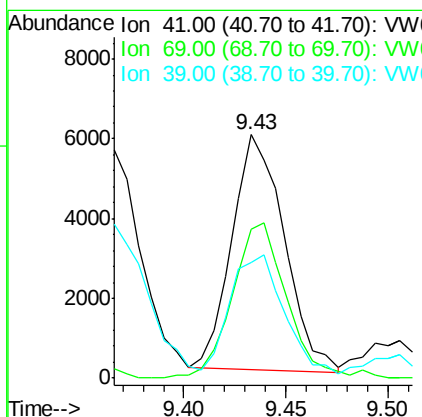
Manual Integrations
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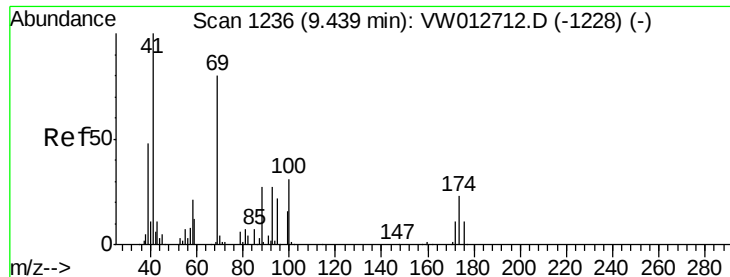
MMDadoda
 9/10/2019 1:00:56 PM



#48
 Methyl methacrylate
 Concen: 4.777 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	41	Resp	10542
Ion Ratio	100	Lower	Upper
41	100		
69	68.5	59.8	89.8
39	54.8	47.0	70.6





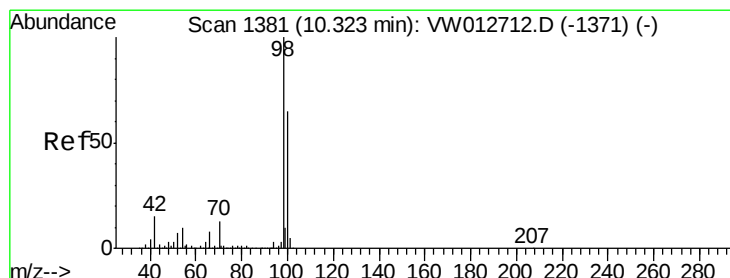
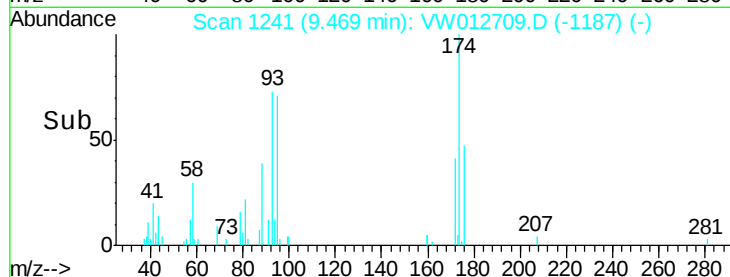
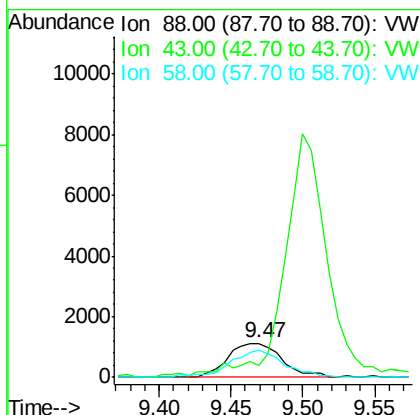
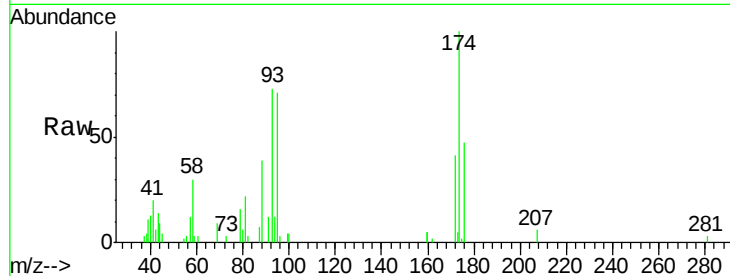
#49
 1,4-Dioxane
 Concen: 106.421 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. 0.03 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.8	52.2#
58	80.1	64.1	96.1

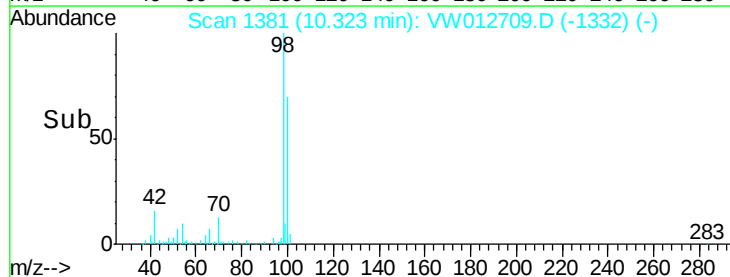
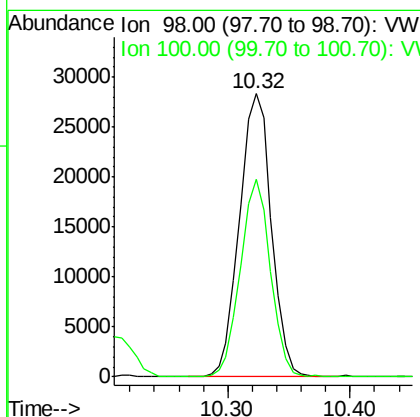
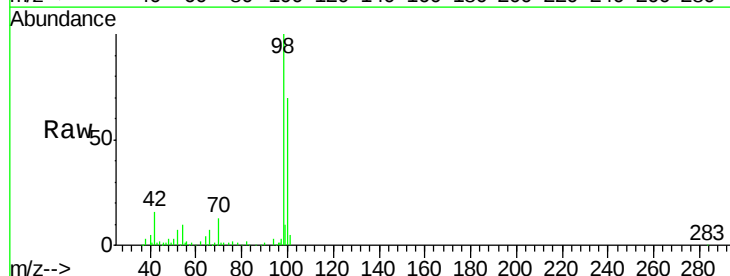
Manual Integrations
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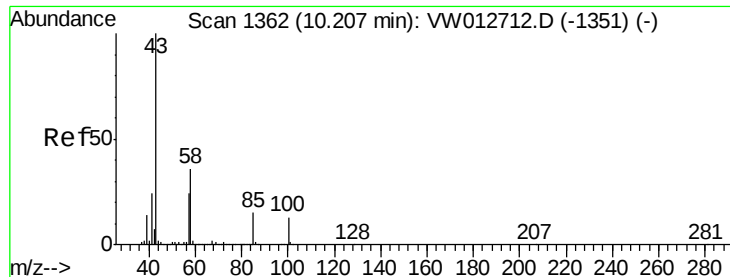
MMDadoda
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#50
 Toluene-d8
 Concen: 5.125 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 23.814 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 57706

Ion Ratio Lower Upper

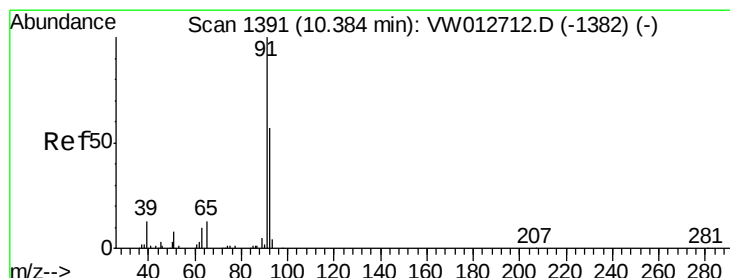
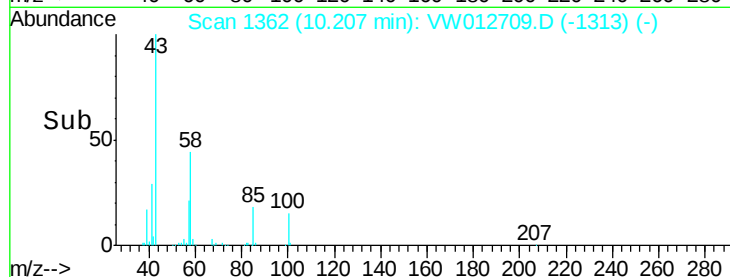
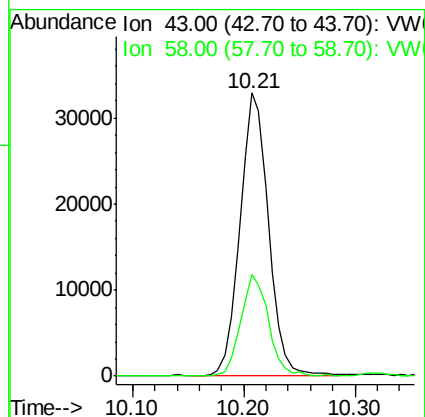
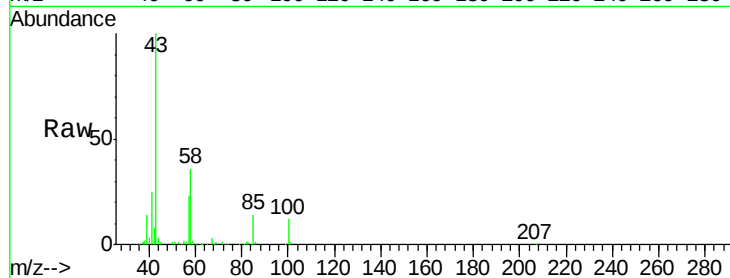
43 100

58 35.4 28.4 42.6

Manual Integrations
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#52

Toluene

Concen: 5.126 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012709.D

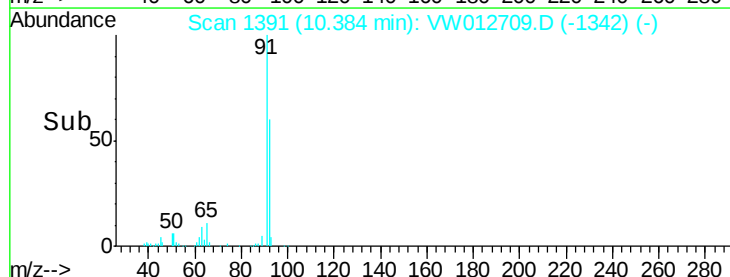
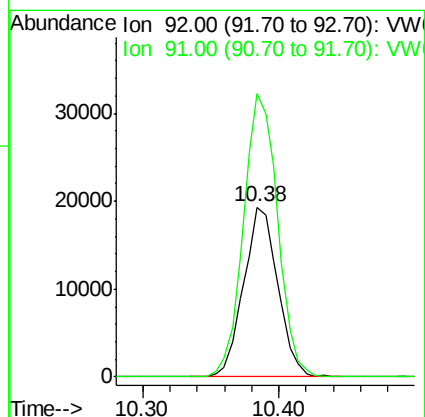
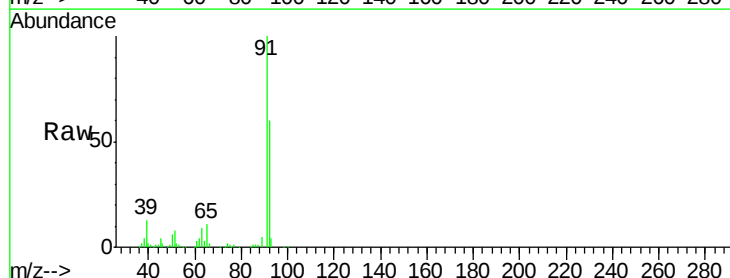
Acq: 07 Sep 2019 09:45

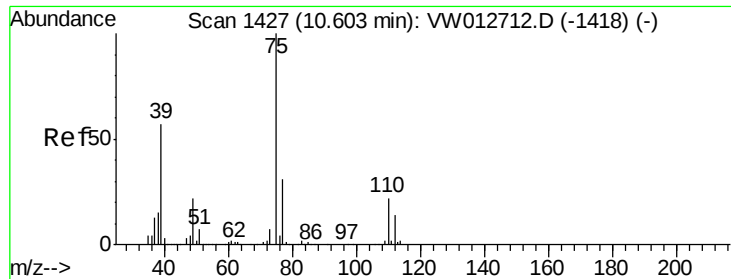
Tgt Ion: 92 Resp: 33939

Ion Ratio Lower Upper

92 100

91 167.5 137.0 205.4





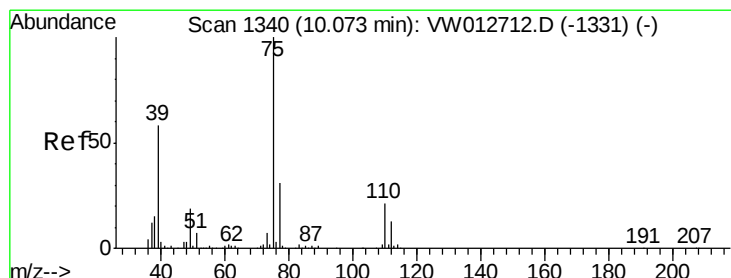
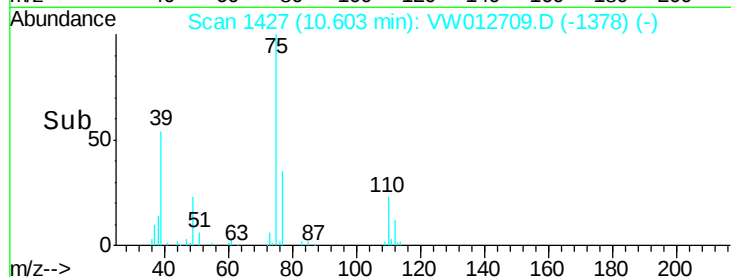
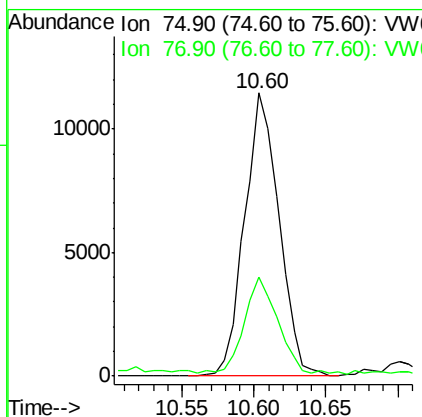
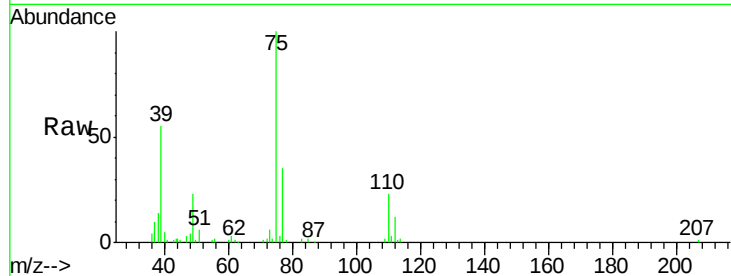
#53
 t-1,3-Dichloropropene
 Concen: 4.814 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 75 Resp: 18977
 Ion Ratio Lower Upper
 75 100
 77 33.3 24.7 37.1

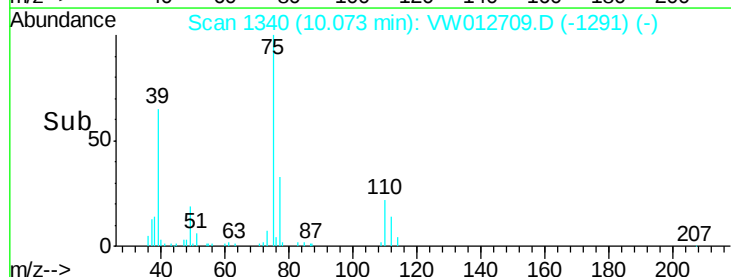
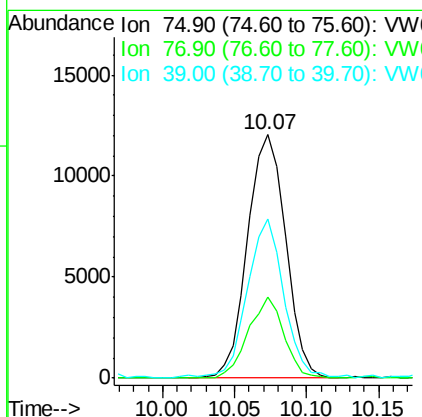
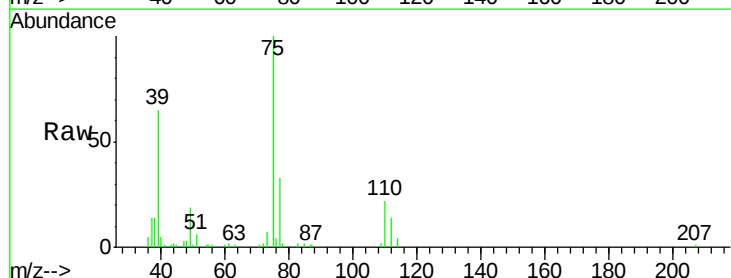
Manual Integrations
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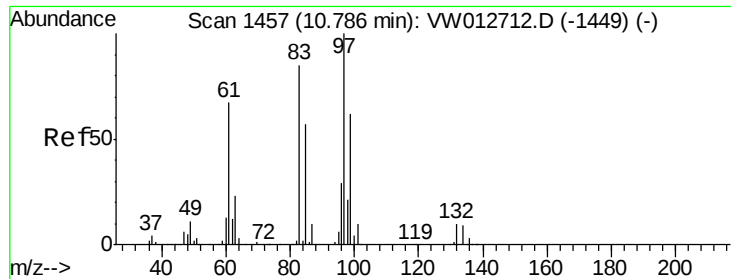
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#54
 cis-1,3-Dichloropropene
 Concen: 4.934 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion: 75 Resp: 22063
 Ion Ratio Lower Upper
 75 100
 77 33.5 24.6 36.8
 39 64.4 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 5.001 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 10432

Ion Ratio Lower Upper

97 100

83 87.4 68.1 102.1

85 54.0 45.3 67.9

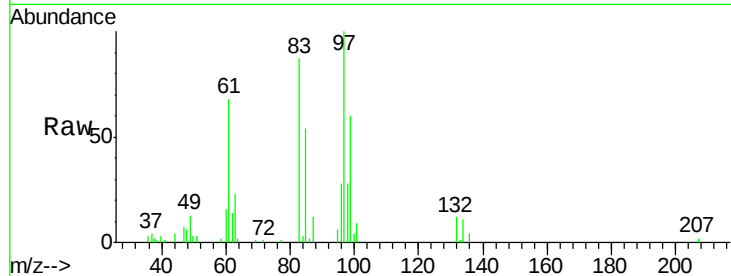
99 60.3 50.0 75.0

Manual Integrations

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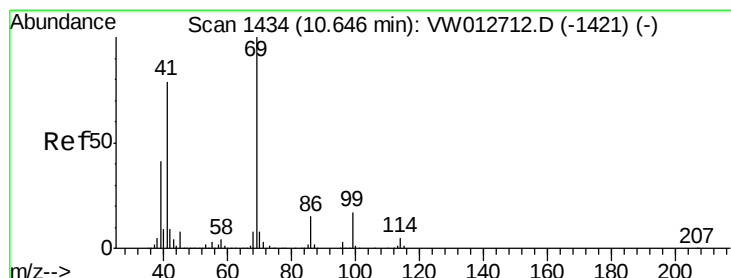
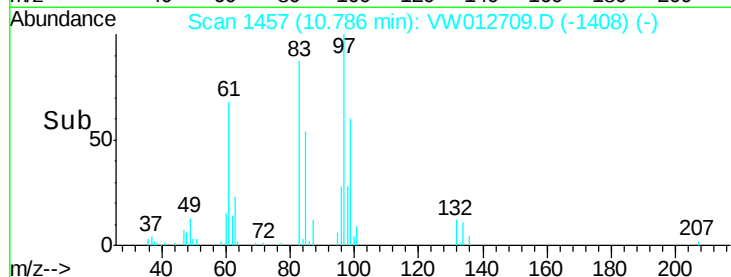
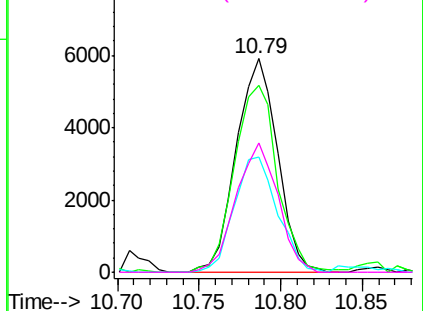


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.672 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

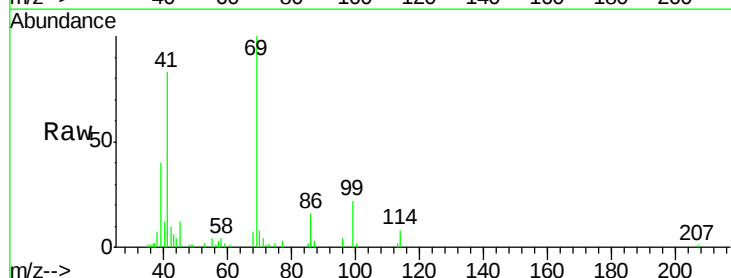
Tgt Ion: 69 Resp: 14267

Ion Ratio Lower Upper

69 100

41 82.8 64.4 96.6

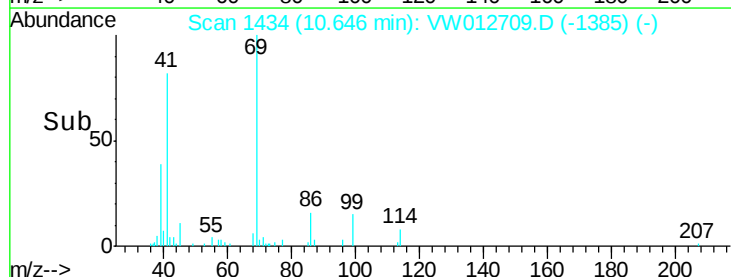
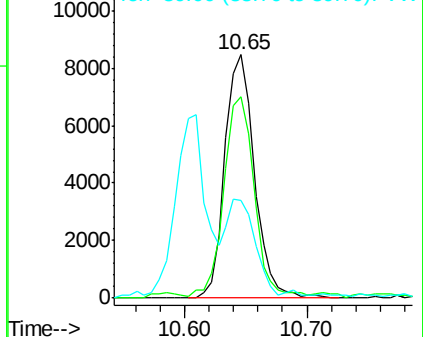
39 36.8 31.1 46.7

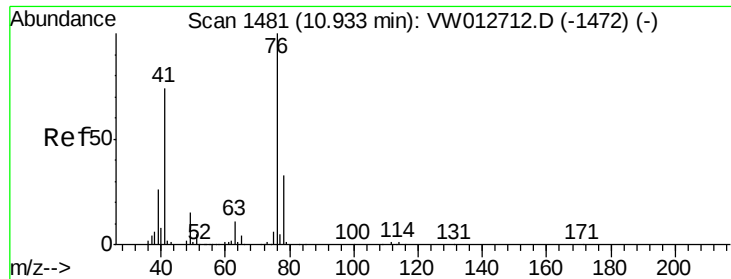


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





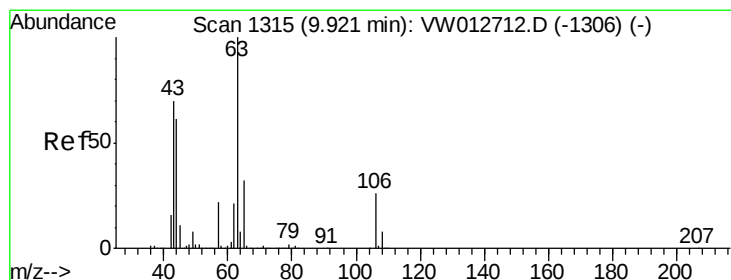
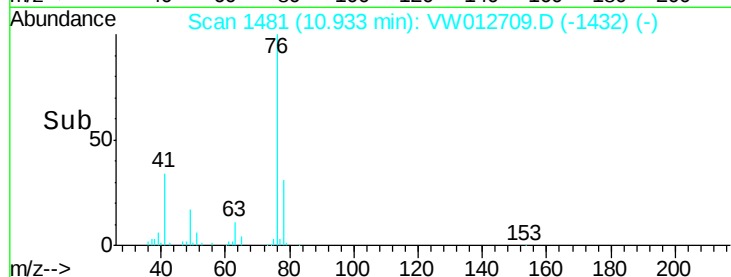
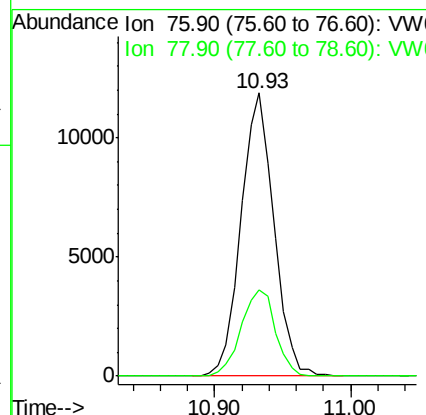
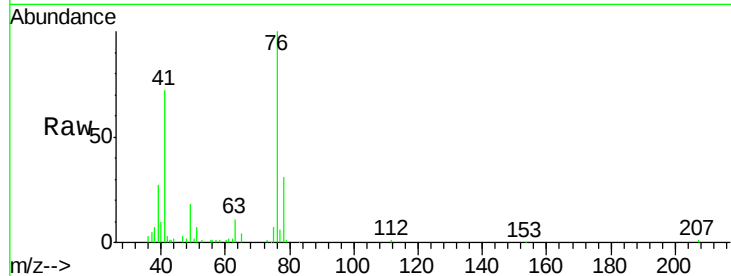
#57
 1,3-Dichloropropane
 Concen: 5.198 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.9	38.9

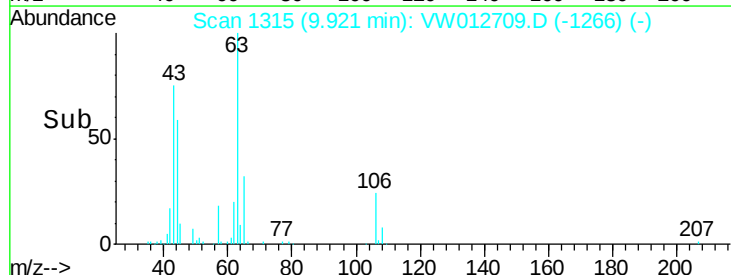
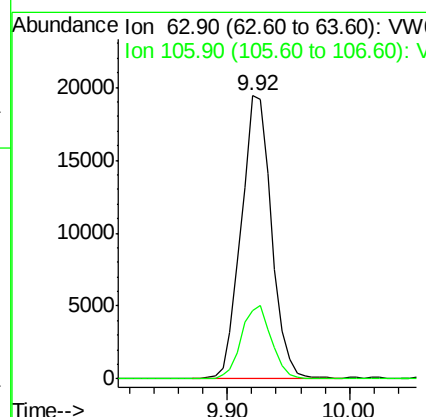
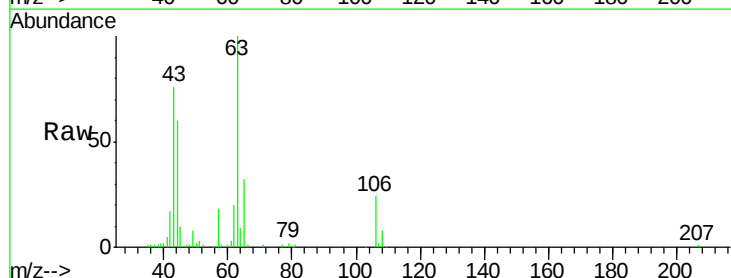
Manual Integrations
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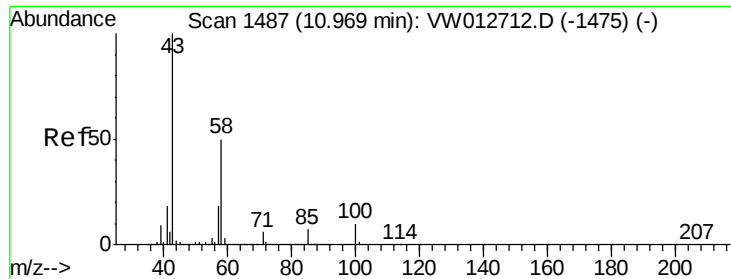
MMDadoda
 9/10/2019 1:00:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.618 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	20.5	30.7





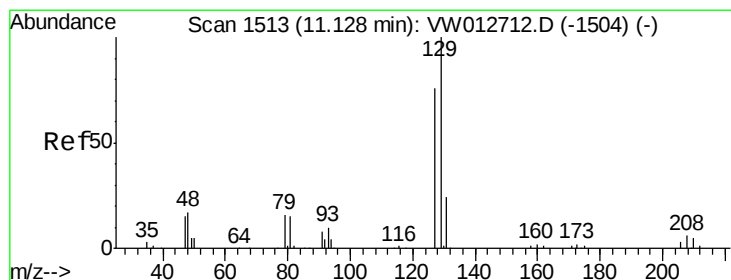
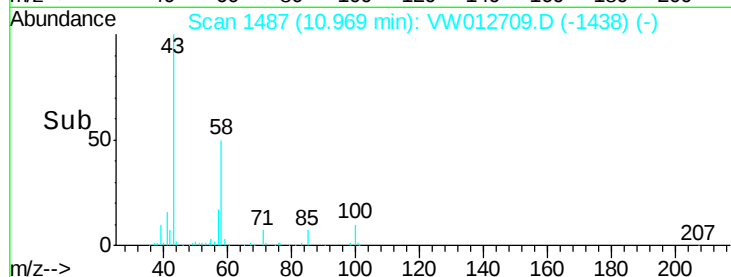
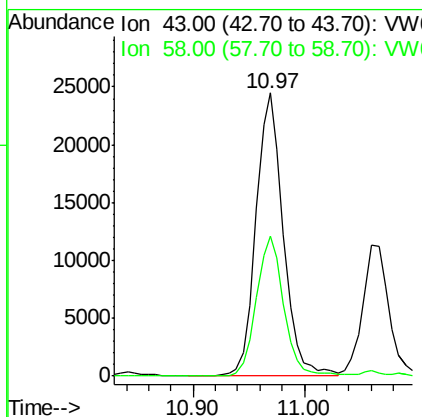
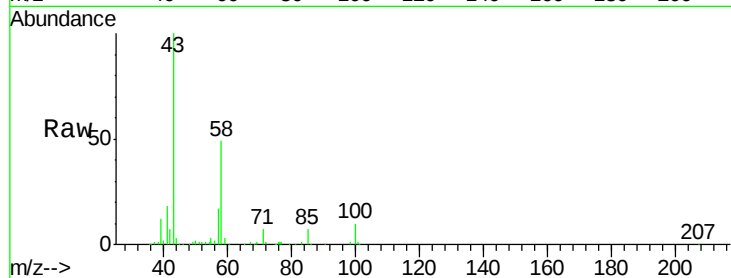
#59
2-Hexanone
Concen: 23.650 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 41869
Ion Ratio Lower Upper
43 100
58 49.7 24.7 74.1

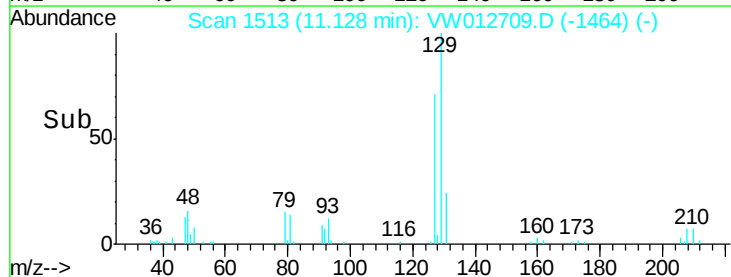
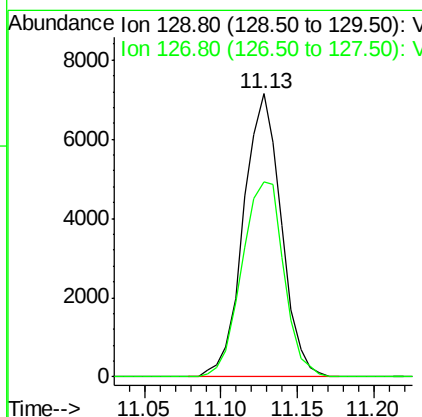
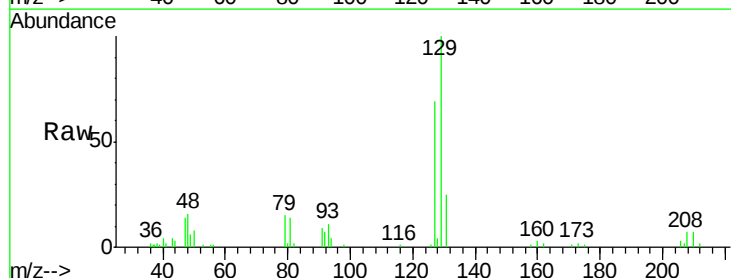
Manual Integrations
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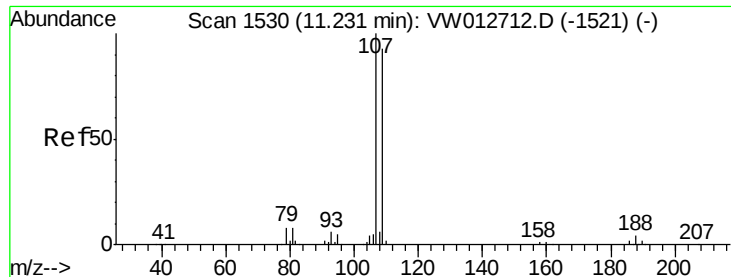
MMDadoda
9/10/2019 1:00:56 PM



#60
Dibromochloromethane
Concen: 5.009 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion: 129 Resp: 12289
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 5.013 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 9588

Ion Ratio Lower Upper

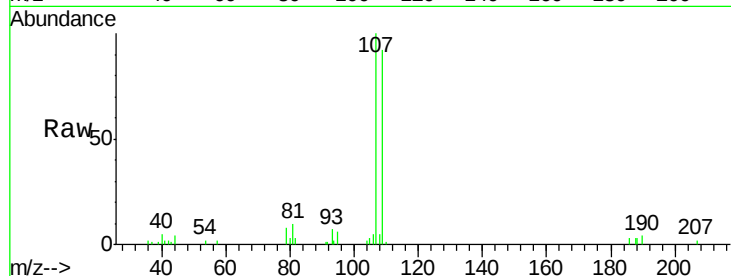
107 100

109 95.2 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

6000

5000

4000

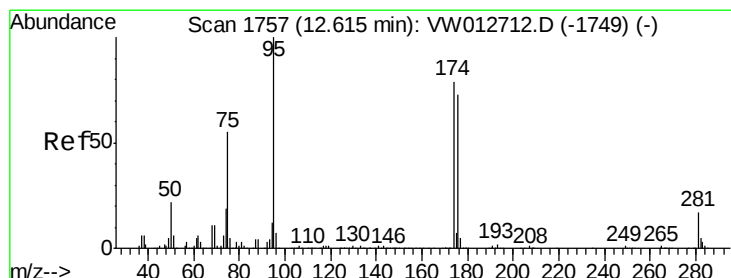
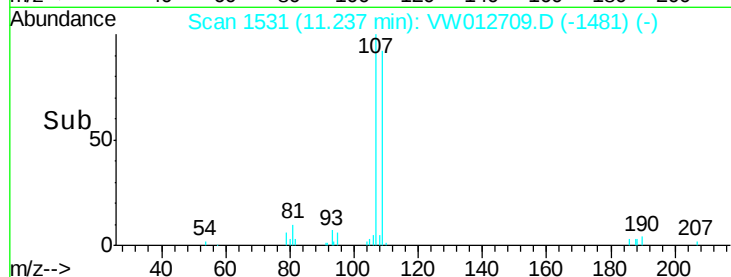
3000

2000

1000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 5.251 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

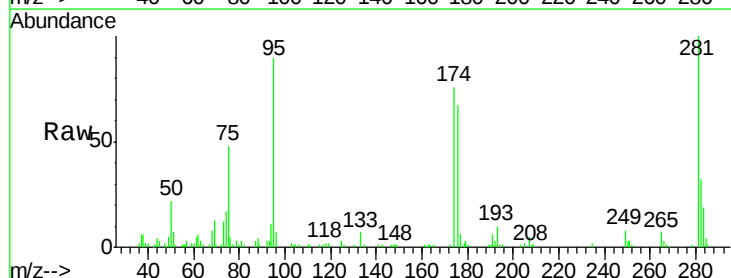
Tgt Ion: 95 Resp: 19109

Ion Ratio Lower Upper

95 100

174 81.3 0.0 161.0

176 77.8 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

12.62

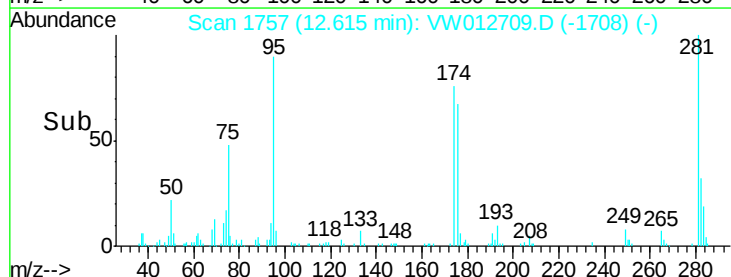
15000

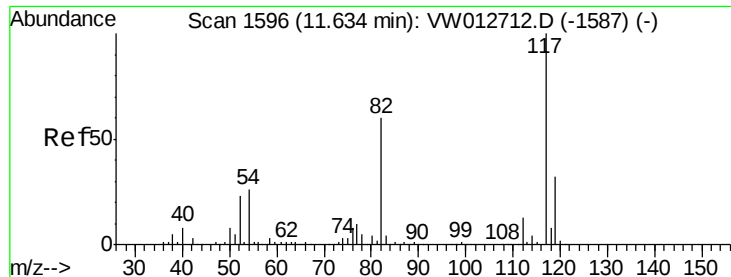
10000

5000

0

Time--> 12.55 12.60 12.65 12.70





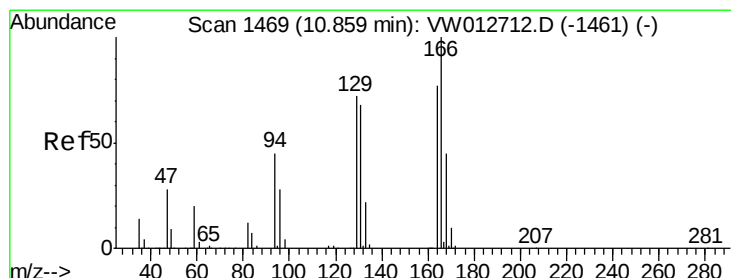
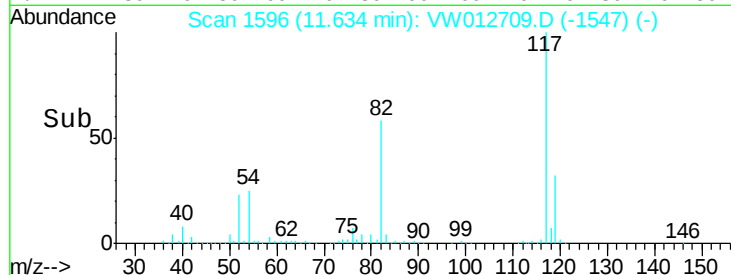
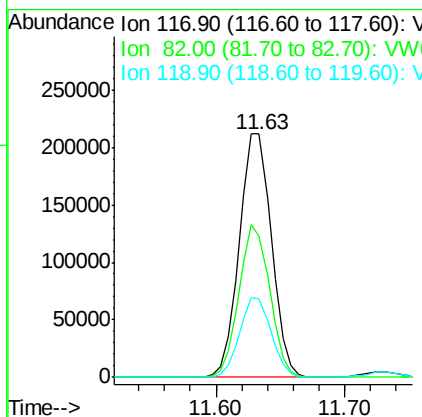
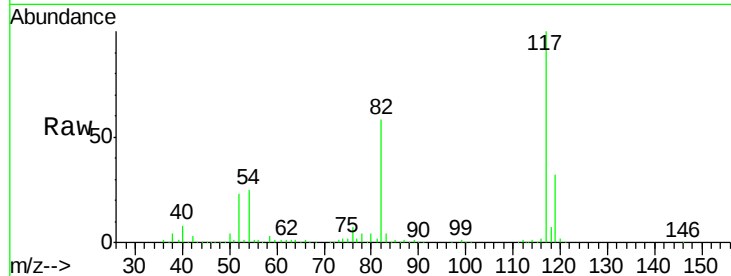
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.2	72.4
119	32.4	25.8	38.6

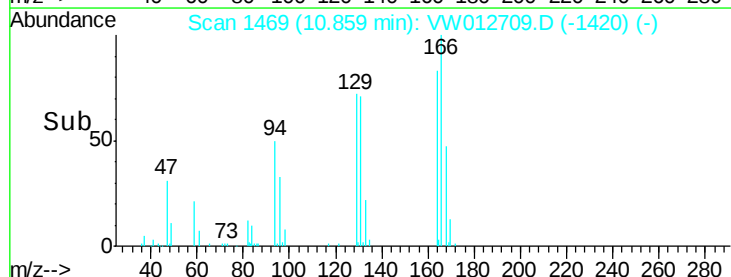
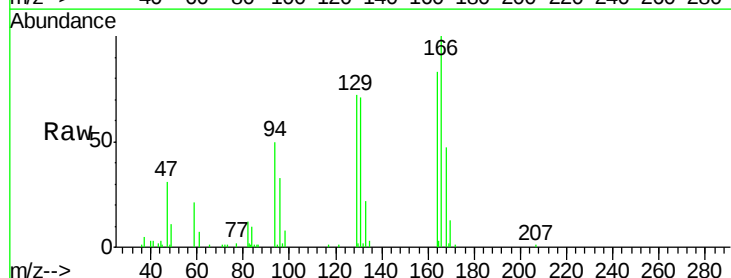
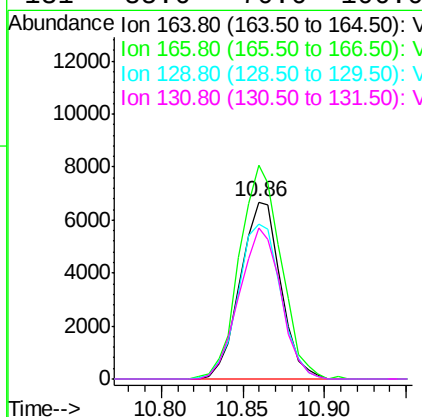
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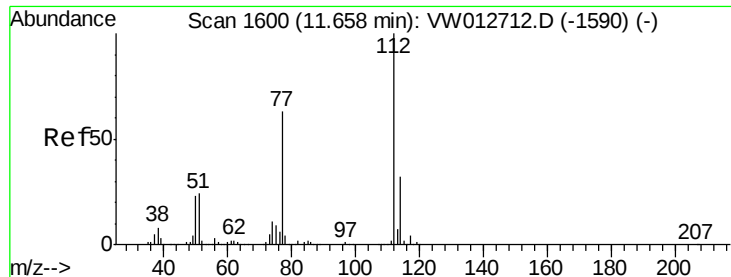
MMDadoda
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#64
Tetrachloroethene
Concen: 5.171 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.6	103.6	155.4
129	87.2	74.6	112.0
131	85.6	70.6	106.0





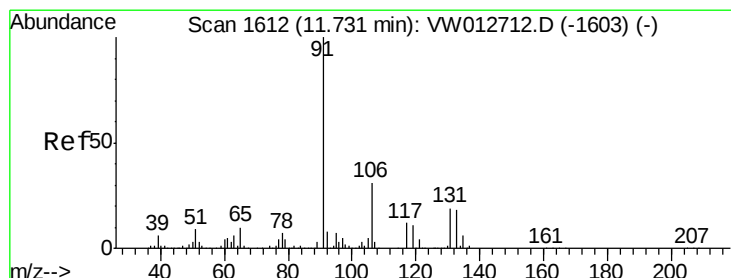
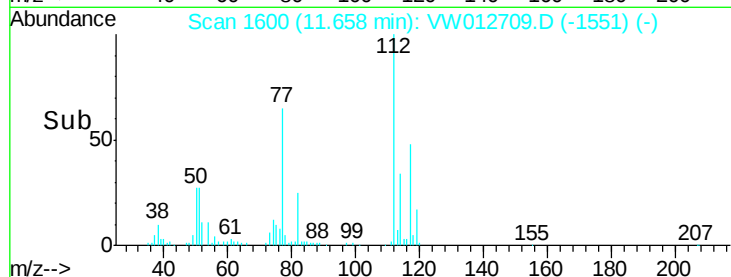
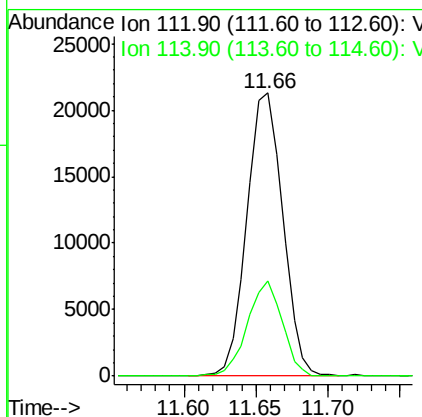
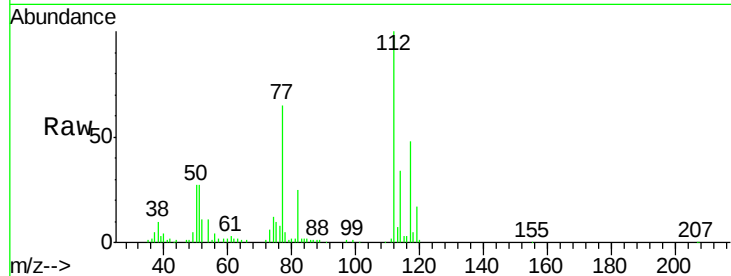
#65
Chlorobenzene
Concen: 5.311 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.3	37.9

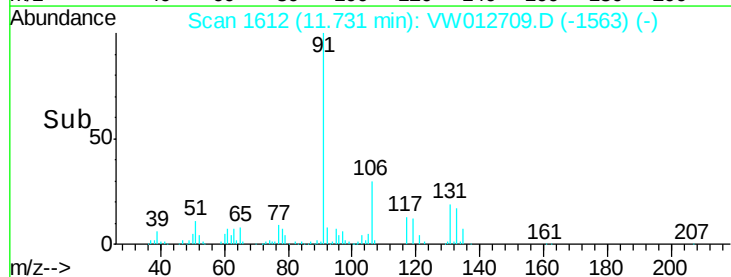
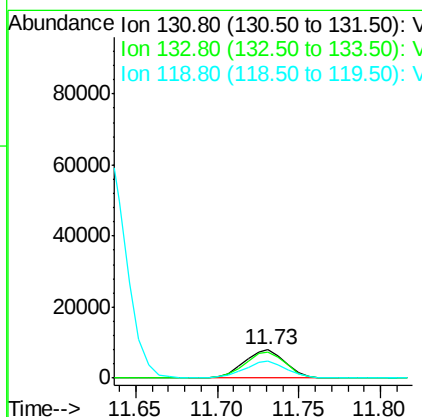
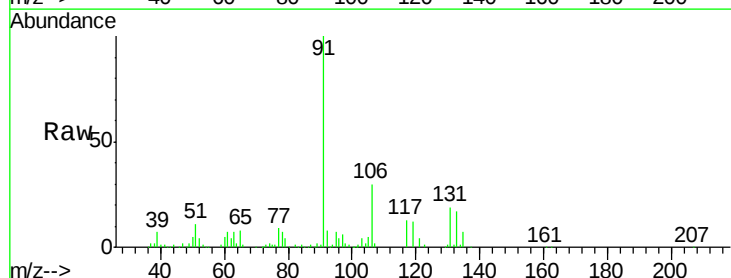
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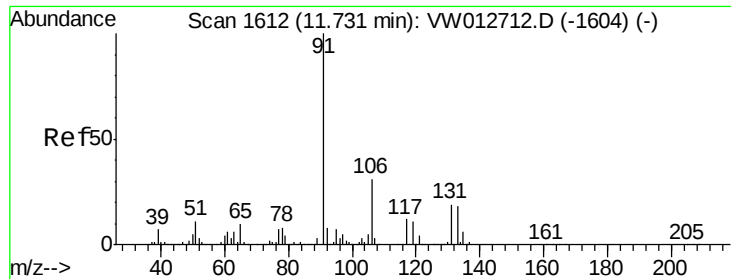
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.417 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.1	47.6	142.8
119	61.2	30.6	92.0





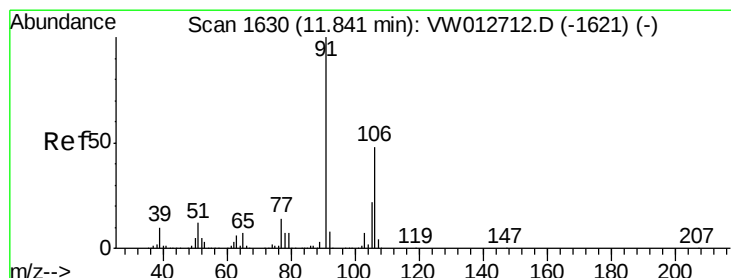
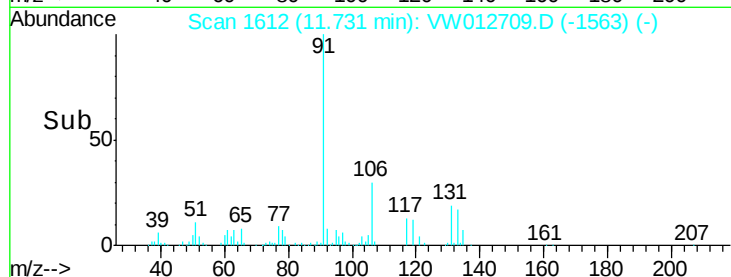
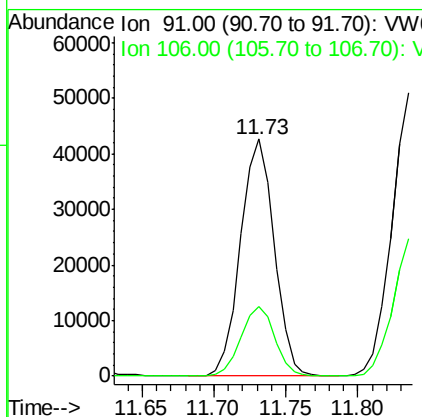
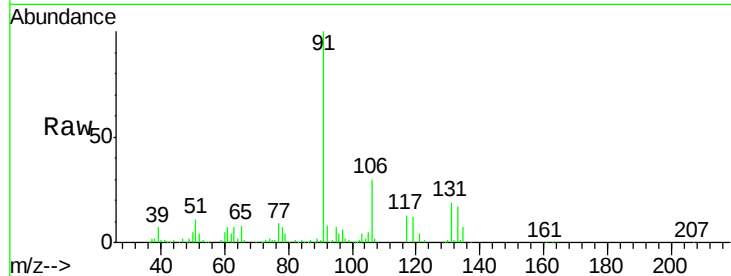
#67
Ethyl Benzene
Concen: 5.309 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 69039
Ion Ratio Lower Upper
91 100
106 29.6 24.4 36.6

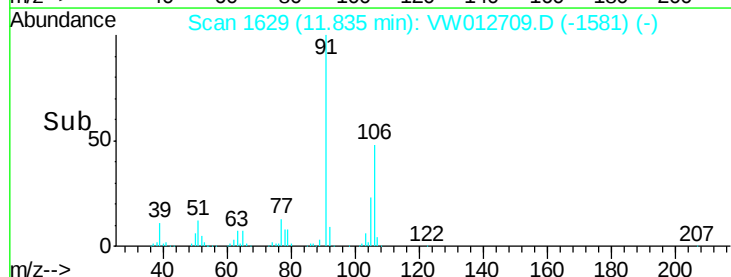
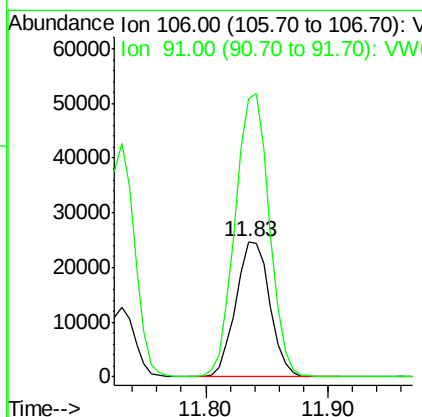
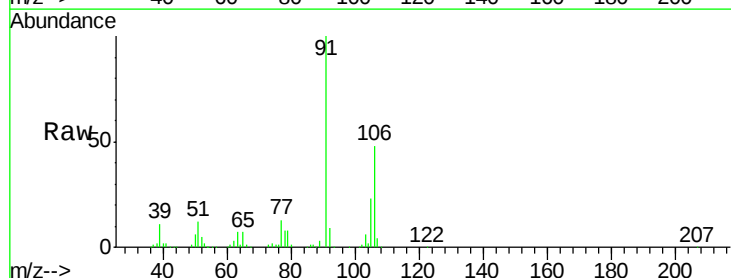
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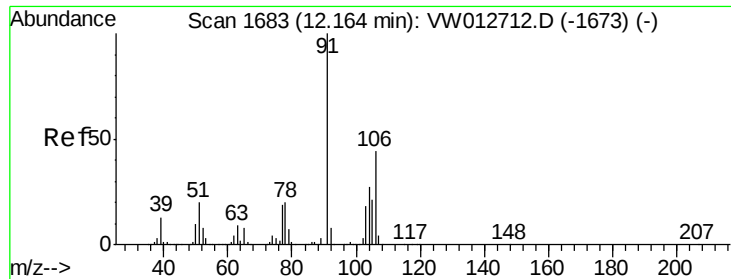
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#68
m/p-Xylenes
Concen: 10.135 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion: 106 Resp: 47577
Ion Ratio Lower Upper
106 100
91 210.6 168.2 252.4





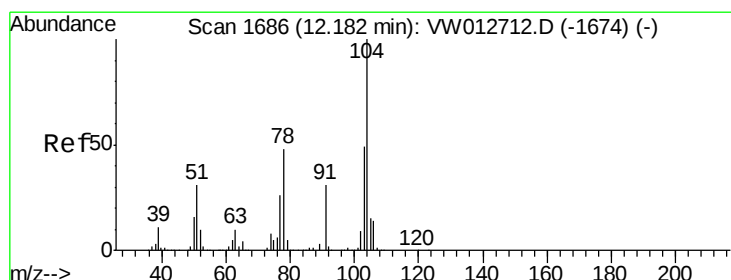
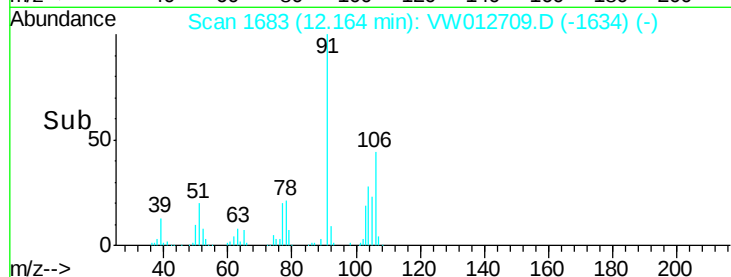
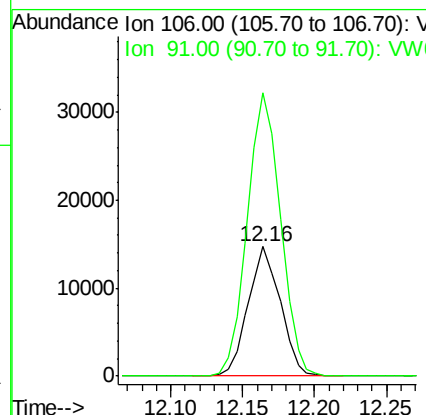
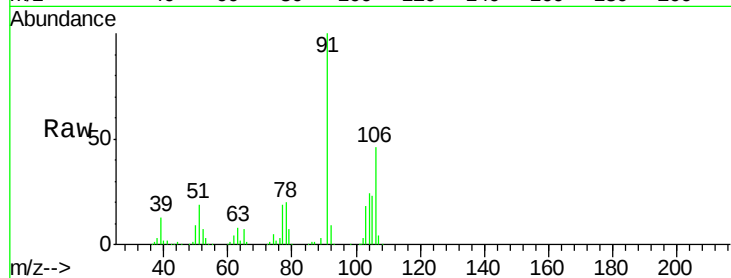
#69
o-Xylene
Concen: 5.166 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 22877
Ion Ratio Lower Upper
106 100
91 225.4 112.3 336.8

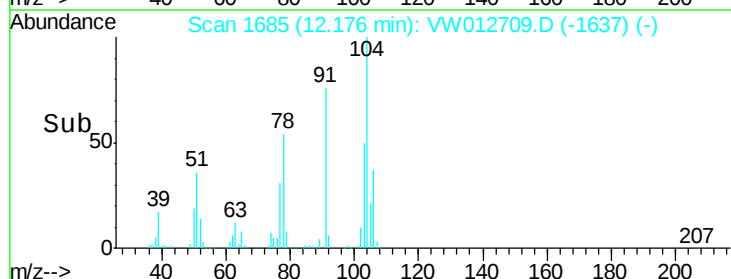
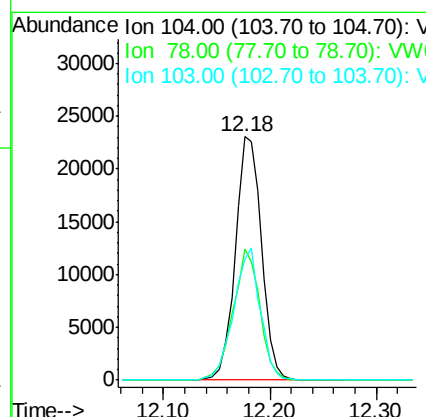
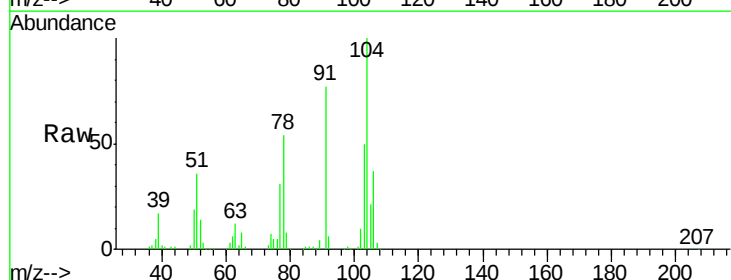
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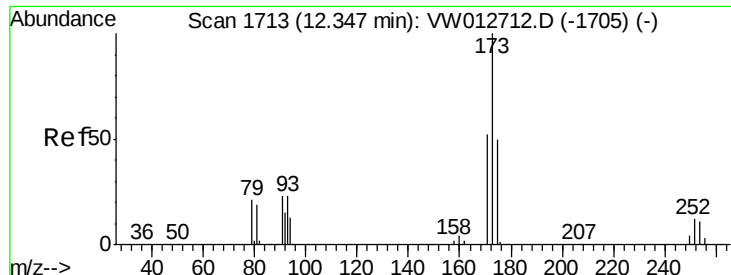
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#70
Styrene
Concen: 5.085 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion:104 Resp: 39794
Ion Ratio Lower Upper
104 100
78 55.2 43.3 64.9
103 55.1 44.0 66.0





#71

Bromoform

Concen: 5.259 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 7542

Ion Ratio Lower Upper

173 100

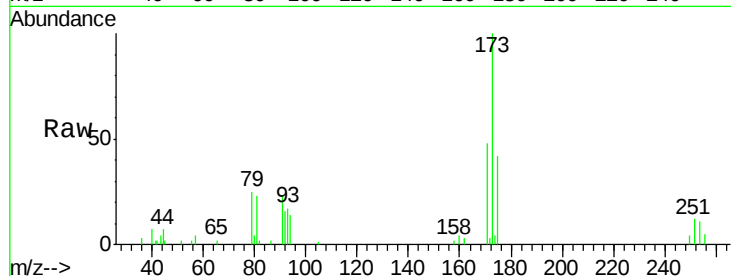
175 48.4 24.8 74.3

254 0.0 0.1 0.1#

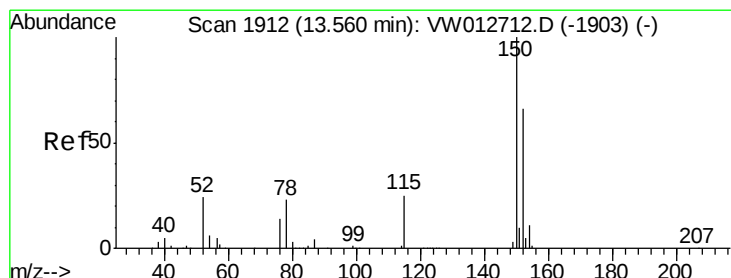
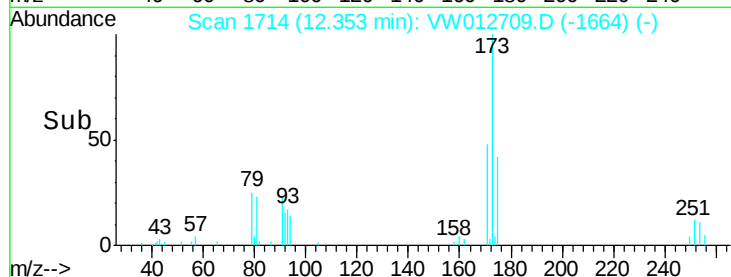
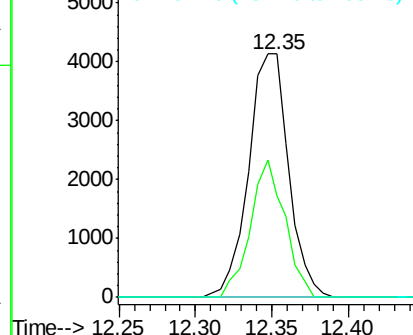
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

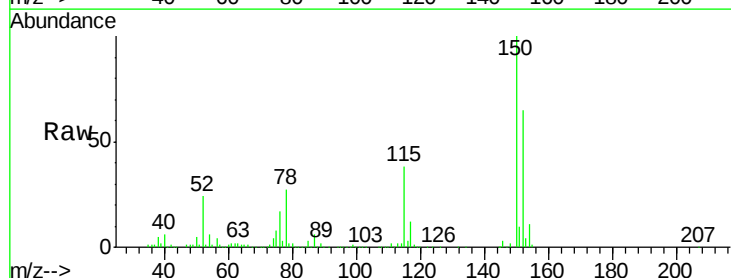
Tgt Ion:152 Resp: 178445

Ion Ratio Lower Upper

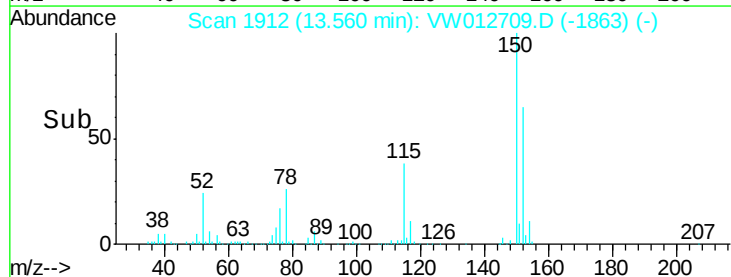
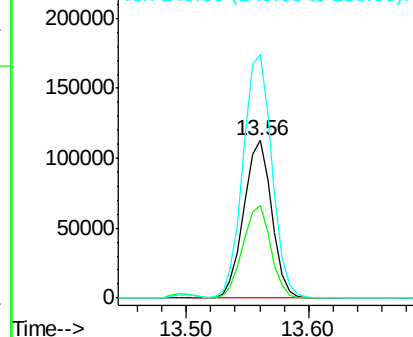
152 100

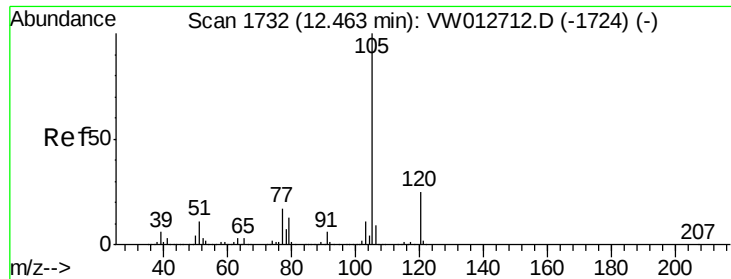
115 58.9 30.0 90.1

150 160.0 0.0 349.0



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





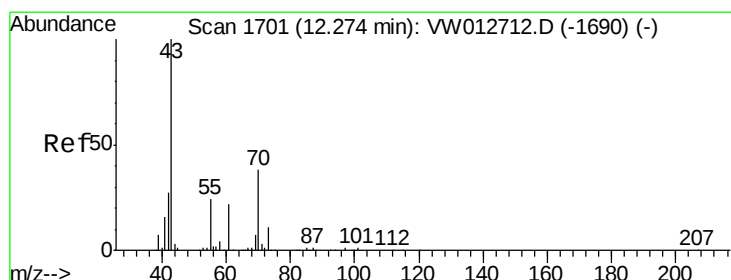
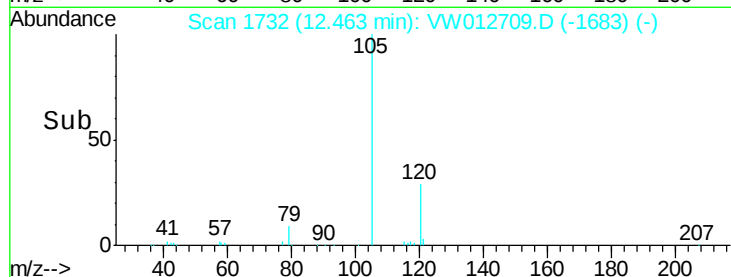
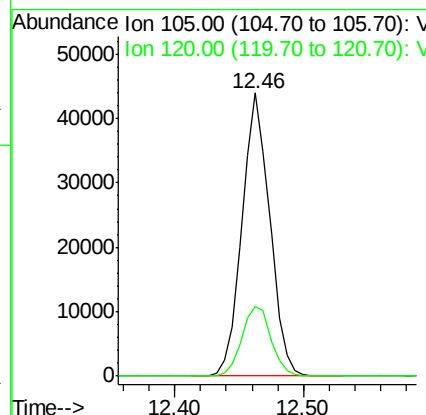
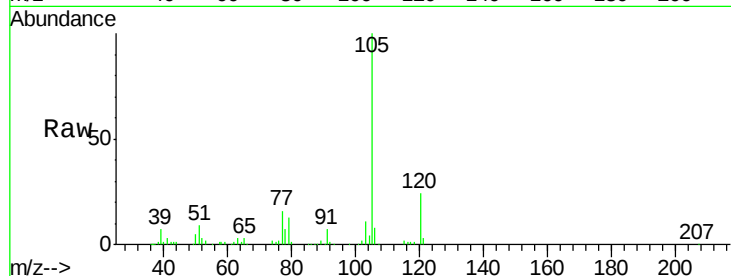
#73
Isopropylbenzene
Concen: 5.127 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	38.9

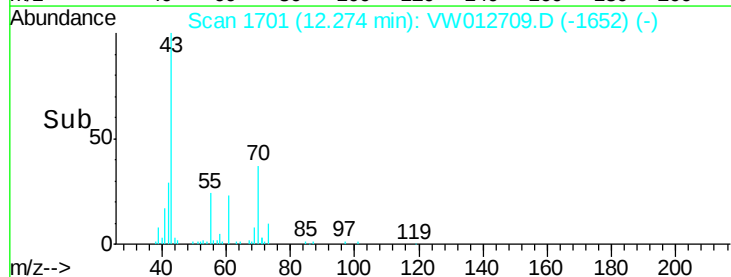
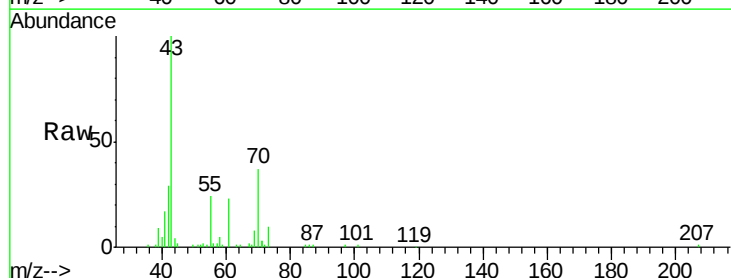
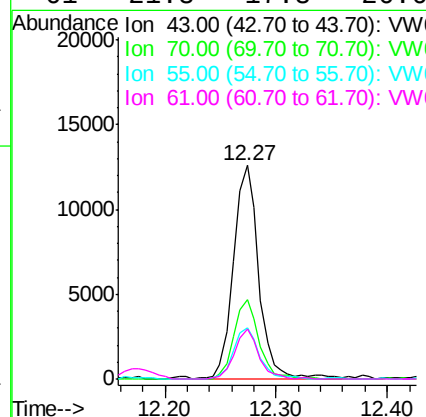
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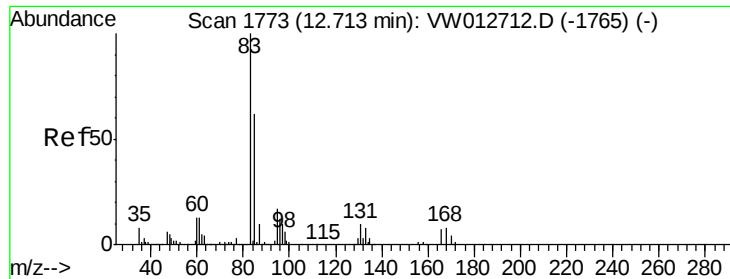
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9/10/2019 1:00:56 PM



#74
N-ethyl acetate
Concen: 4.927 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.6	29.4	44.0
55	24.2	18.6	27.8
61	21.8	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.432 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

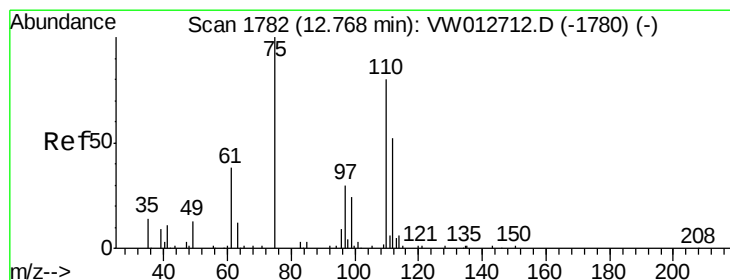
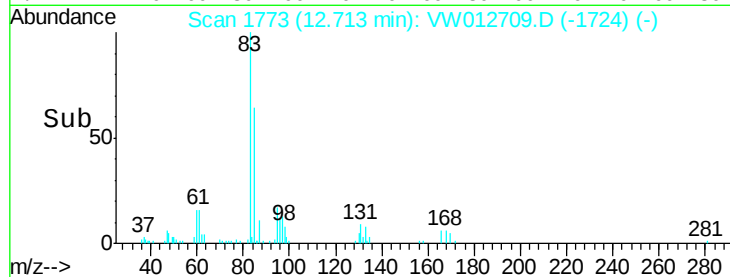
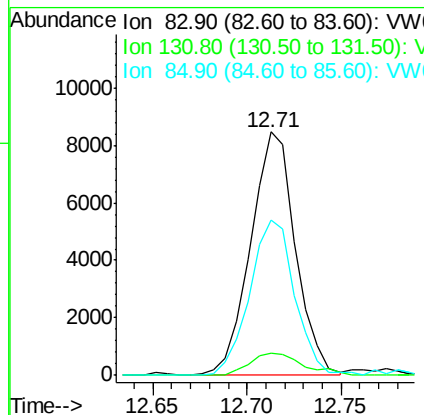
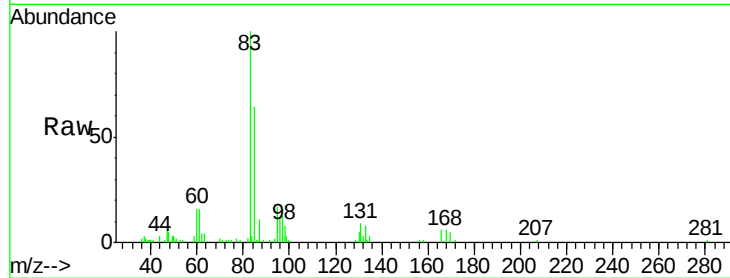
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	13962
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.4
85	64.1	31.4	94.2

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#76

1,2,3-Trichloropropane

Concen: 5.418 ug/l m

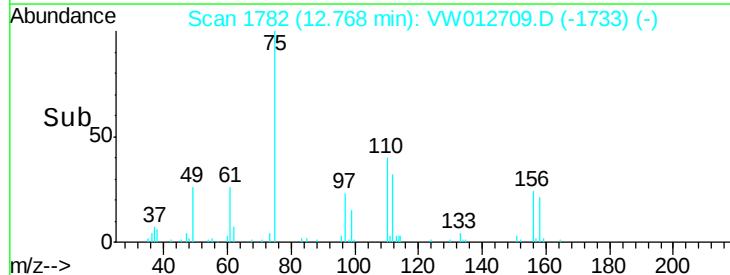
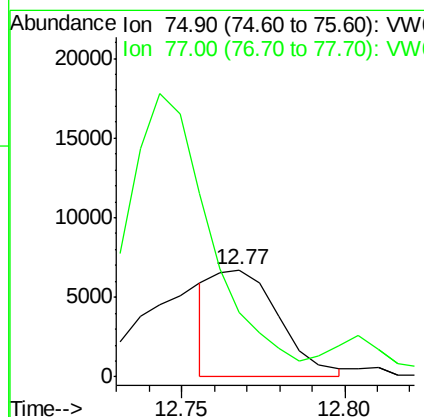
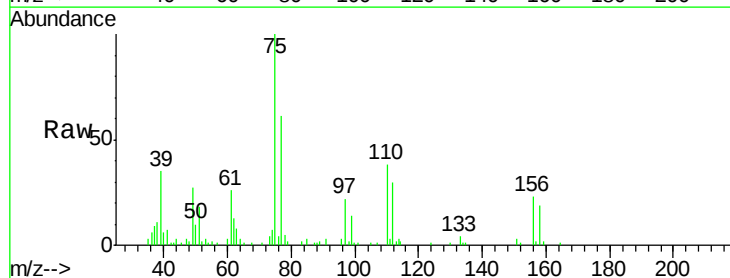
RT: 12.77 min Scan# 1782

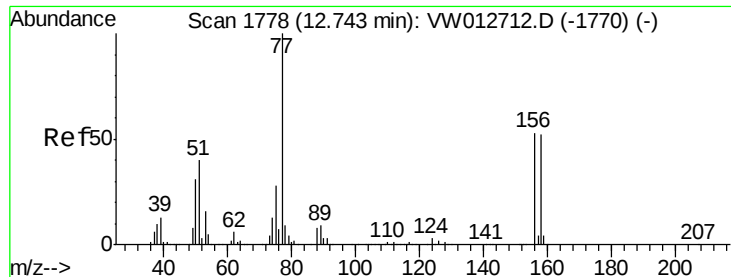
Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Tgt Ion:	75	Resp:	9488
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.556 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

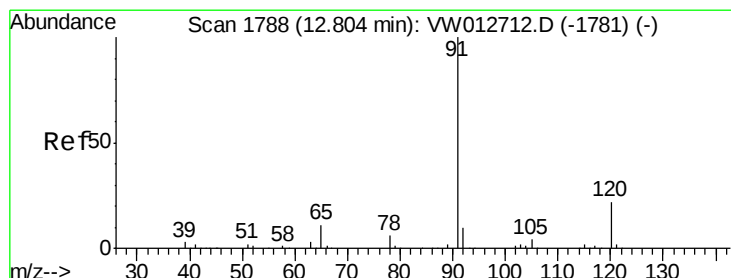
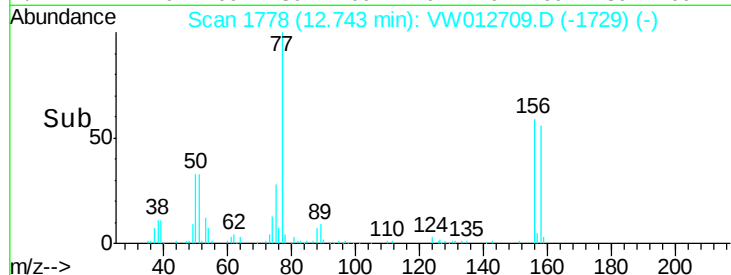
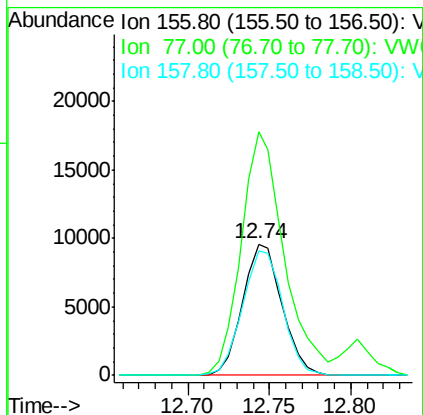
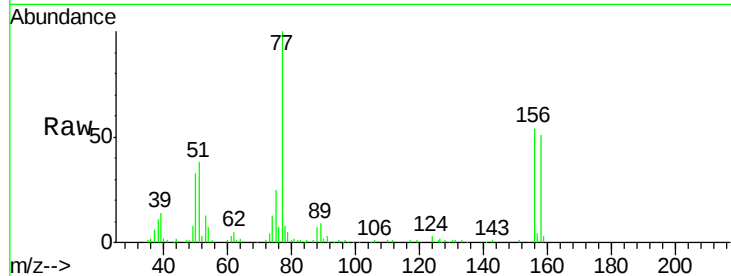
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	202.7	102.3	306.9
158	96.8	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 5.150 ug/l

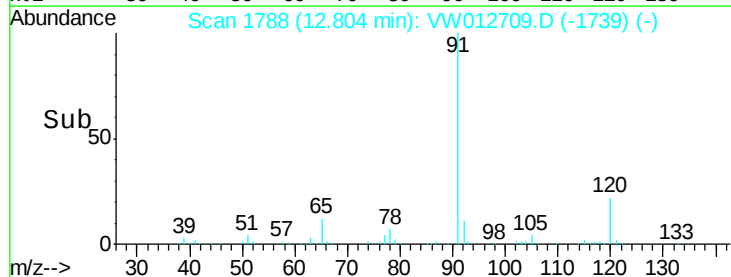
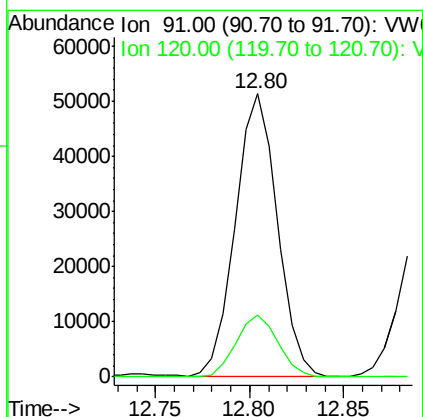
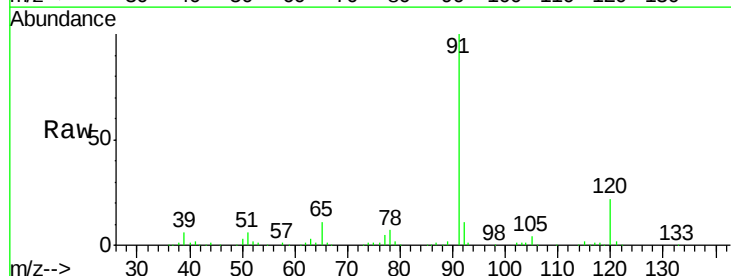
RT: 12.80 min Scan# 1788

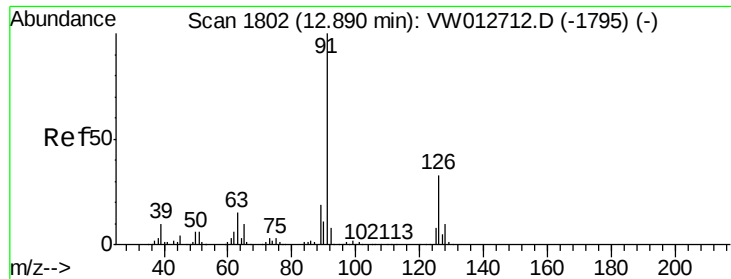
Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 4.907 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 43122

Ion Ratio Lower Upper

91 100

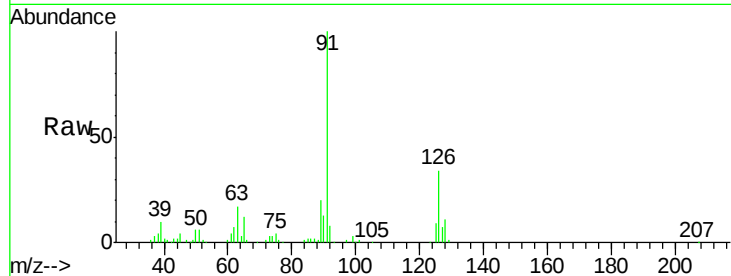
126 33.7 16.1 48.3

Manual Integrations

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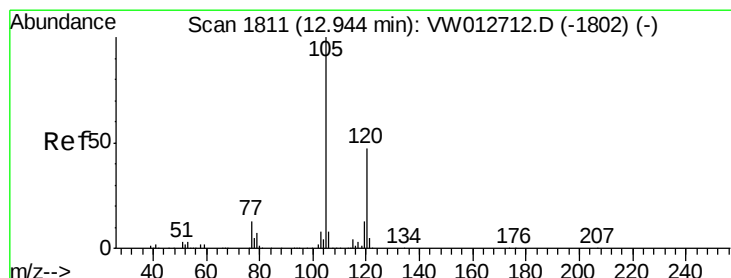
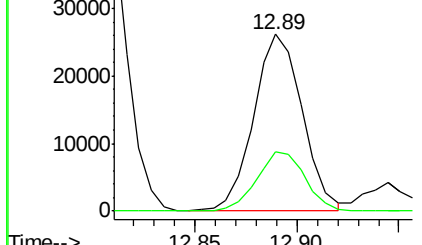
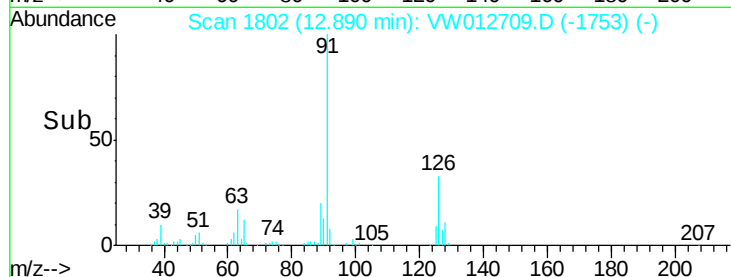
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.817 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012709.D

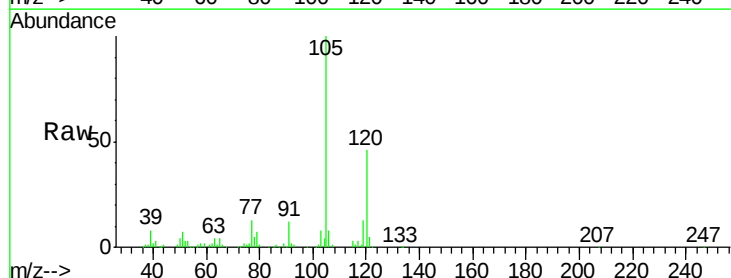
Acq: 07 Sep 2019 09:45

Tgt Ion: 105 Resp: 51951

Ion Ratio Lower Upper

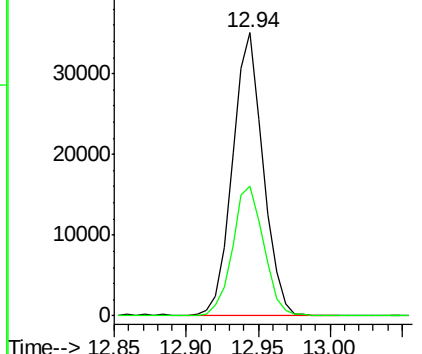
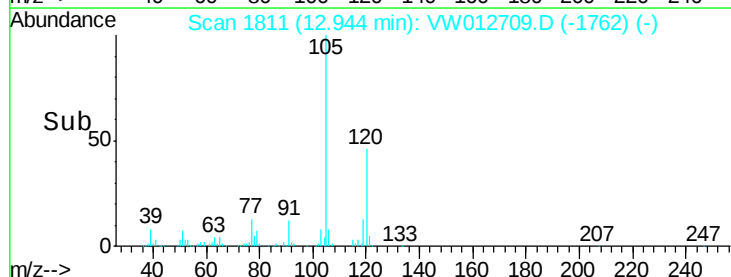
105 100

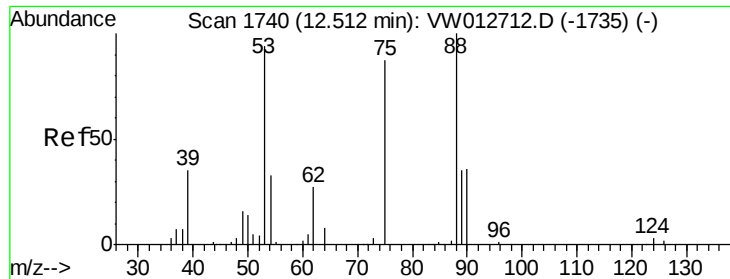
120 46.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.968 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

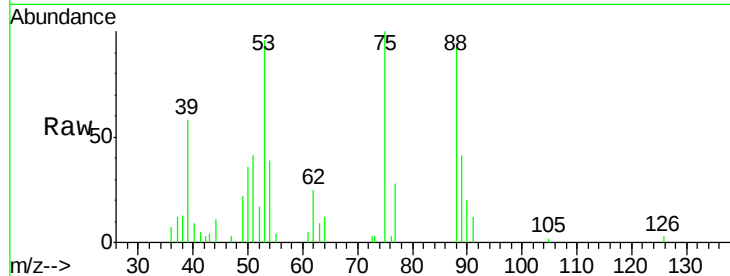
ClientSampleId :

VSTDIC005

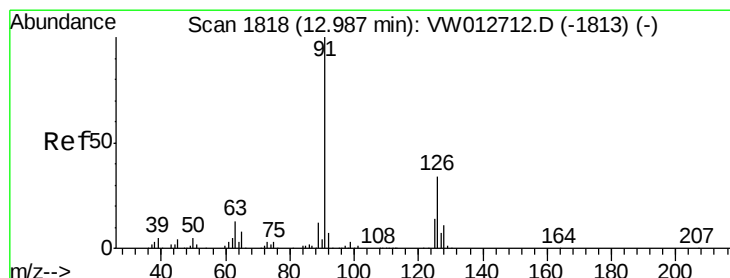
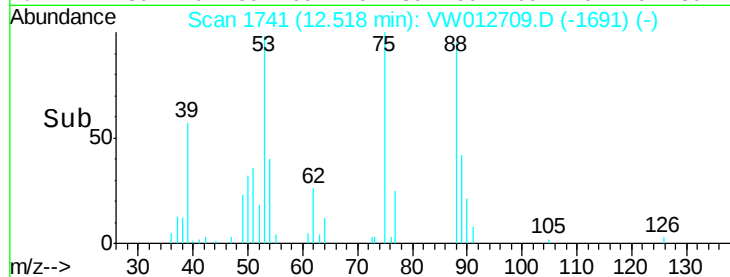
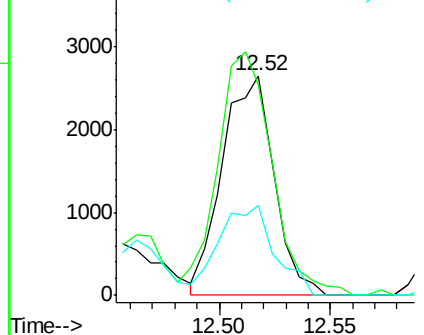
Tot Ion:	75	Resp:	4286
Ion	Ratio	Lower	Upper
75	100		
53	116.9	87.6	131.4
89	43.7	35.5	53.3

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 5.087 ug/l

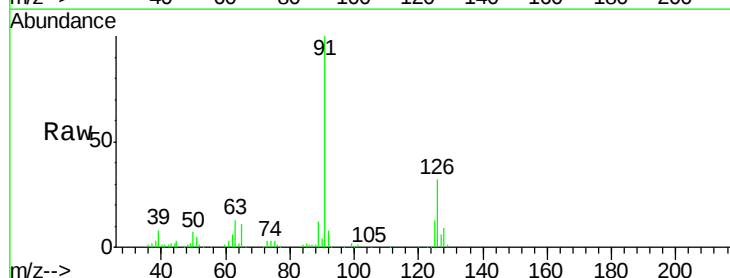
RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

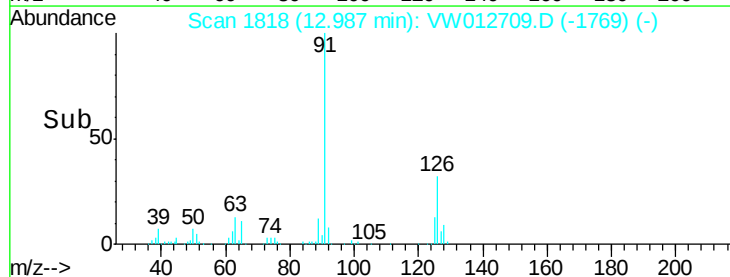
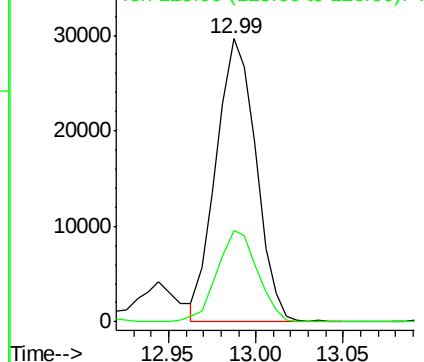
Lab File: VW012709.D

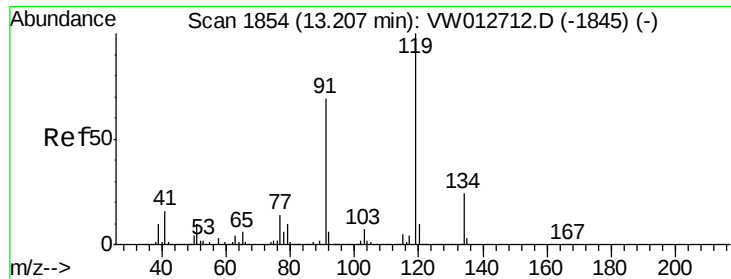
Acq: 07 Sep 2019 09:45

Tgt Ion:	91	Resp:	47279
Ion	Ratio	Lower	Upper
91	100		
126	32.6	15.9	47.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





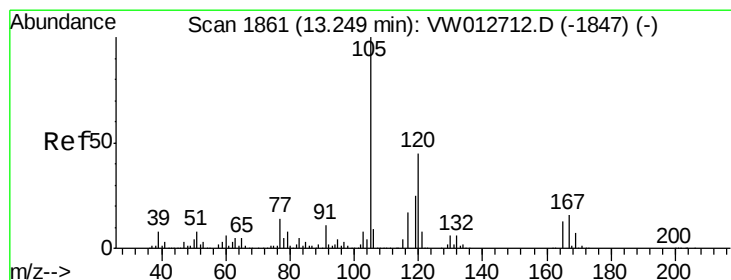
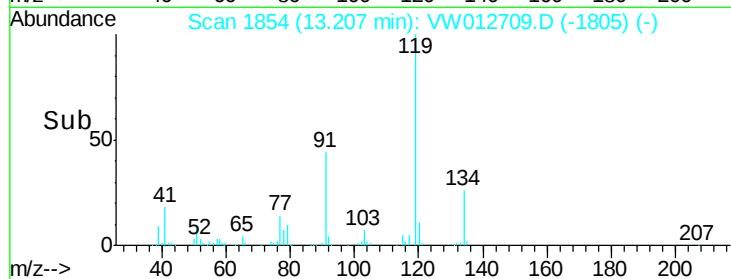
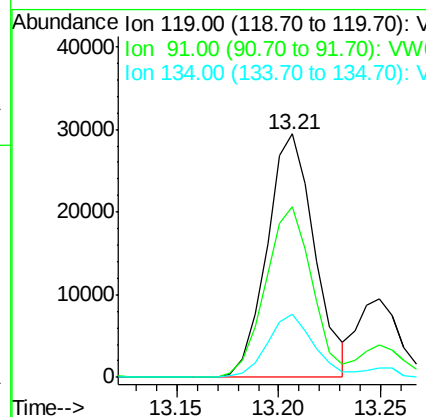
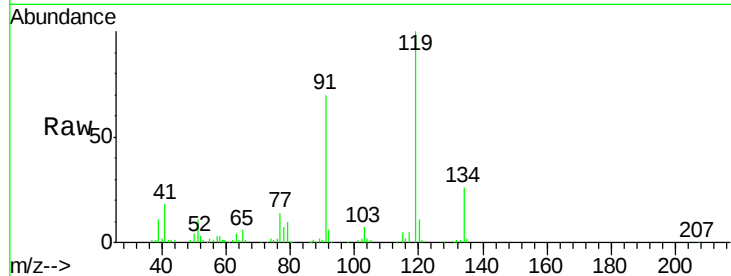
#83
tert-Butylbenzene
Concen: 5.000 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.2	102.5
134	25.5	12.3	36.9

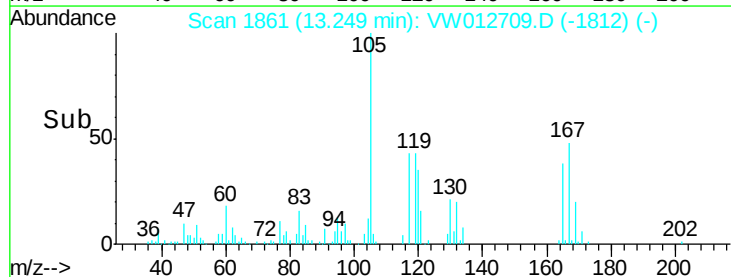
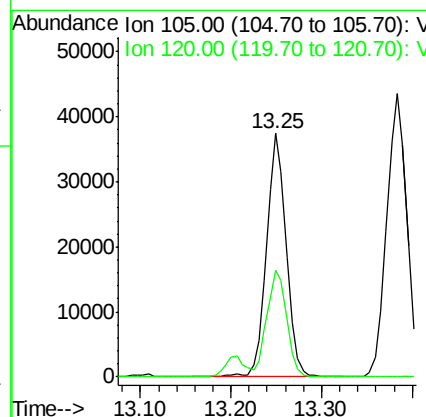
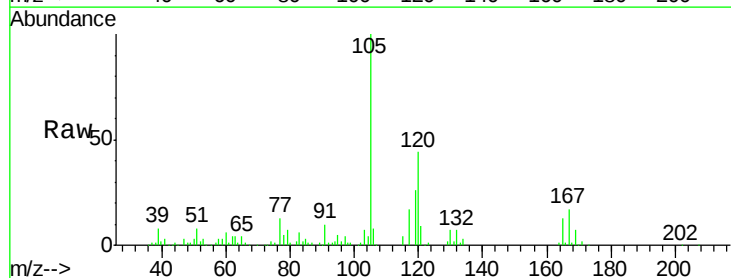
Manual Integrations
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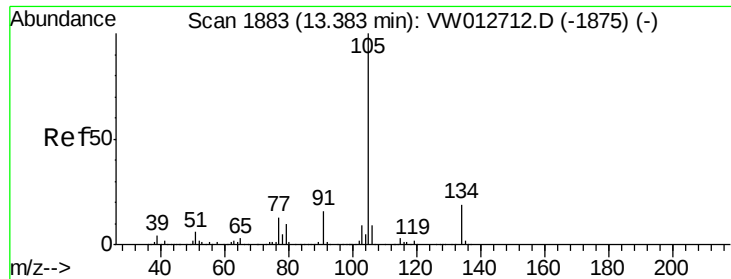
MMDadoda
9/10/2019 1:00:56 PM



#84
1,2,4-Trimethylbenzene
Concen: 5.169 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.3





#85

sec-Butylbenzene

Concen: 5.060 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 66961

Ion Ratio Lower Upper

105 100

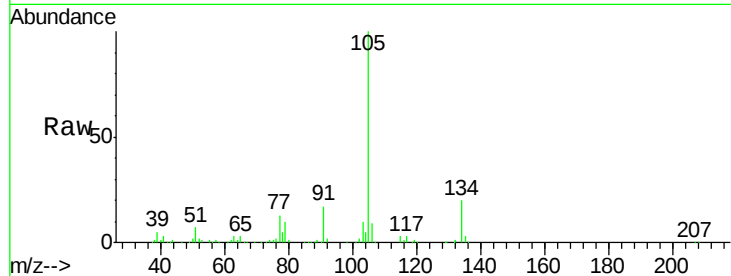
134 21.0 9.8 29.3

Manual Integrations

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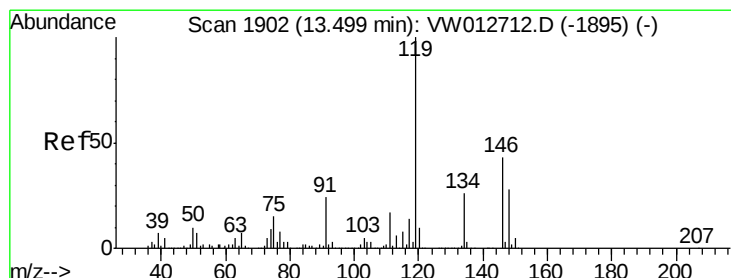
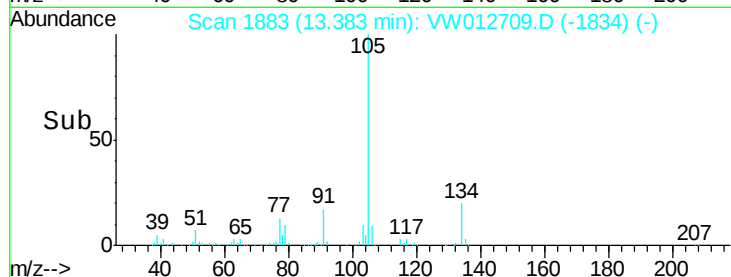
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.978 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012709.D

Acq: 07 Sep 2019 09:45

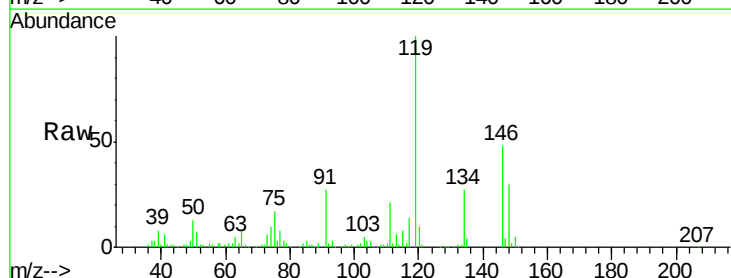
Tgt Ion:119 Resp: 60172

Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

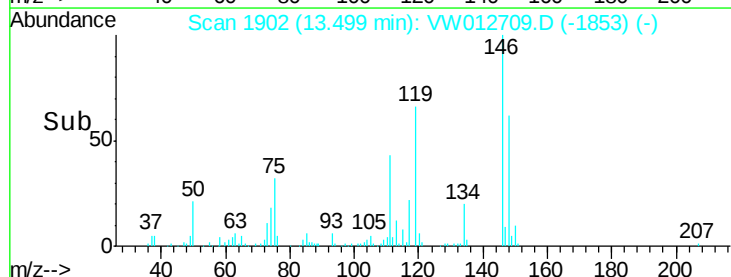
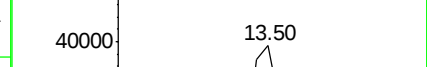
91 25.4 12.2 36.6

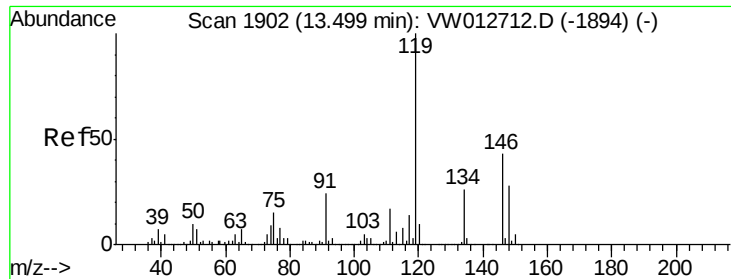


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





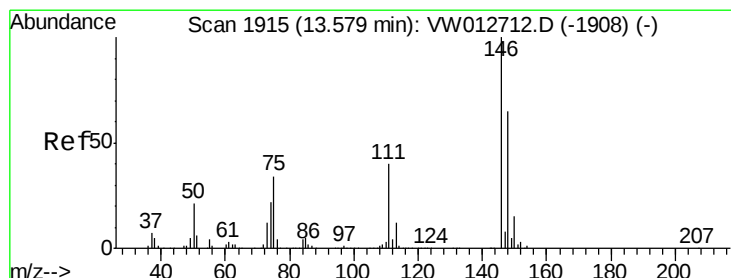
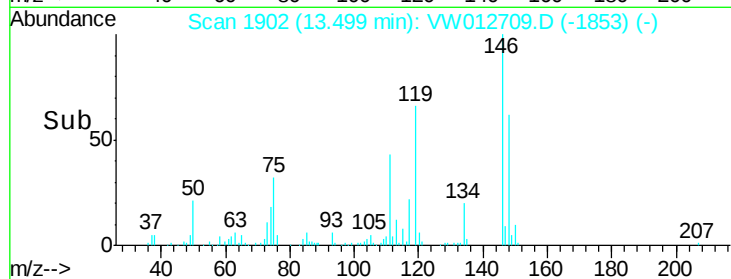
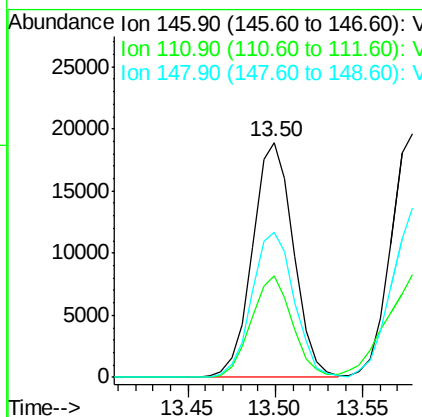
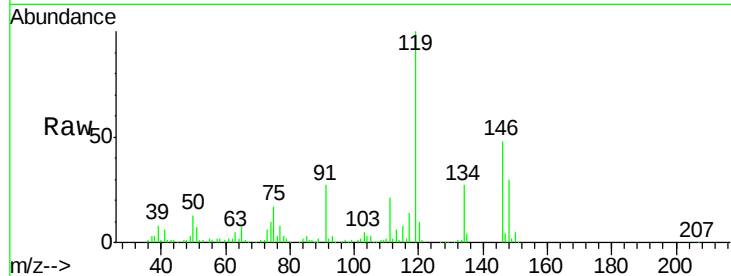
#87
 1,3-Dichlorobenzene
 Concen: 5.439 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.4	61.2
148	63.7	31.8	95.4

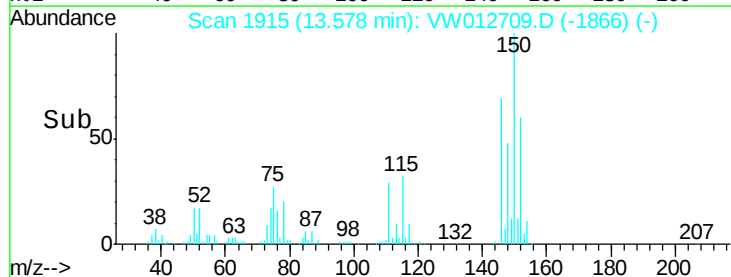
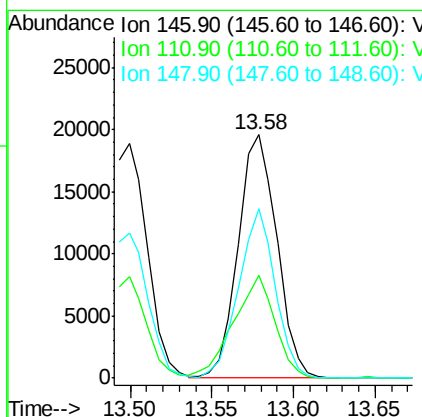
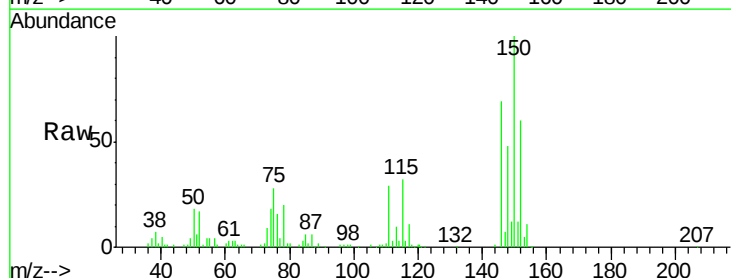
Manual Integrations
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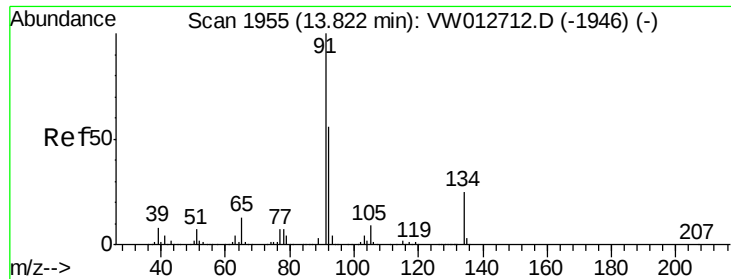
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#88
 1,4-Dichlorobenzene
 Concen: 5.695 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	20.0	60.0
148	66.2	32.2	96.6





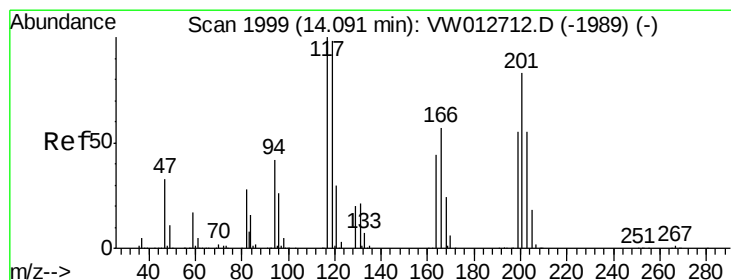
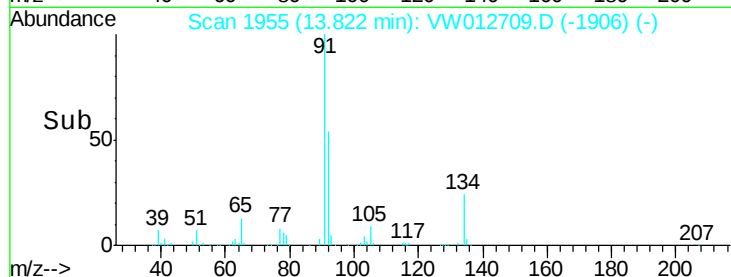
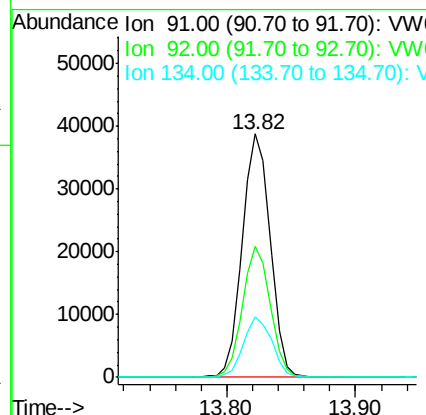
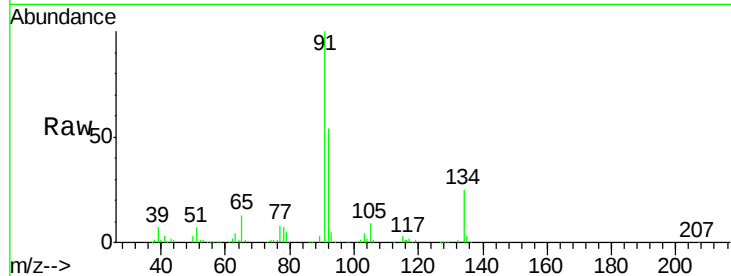
#89
n-Butylbenzene
Concen: 4.973 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.2	81.5
134	25.3	12.7	38.1

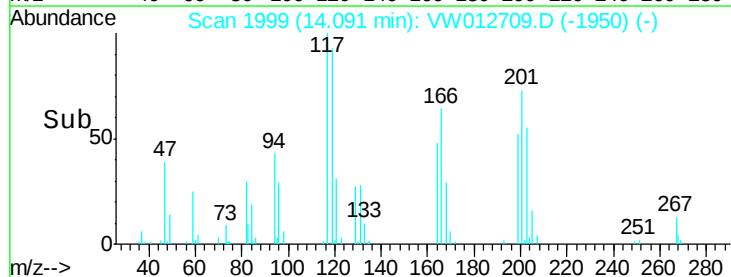
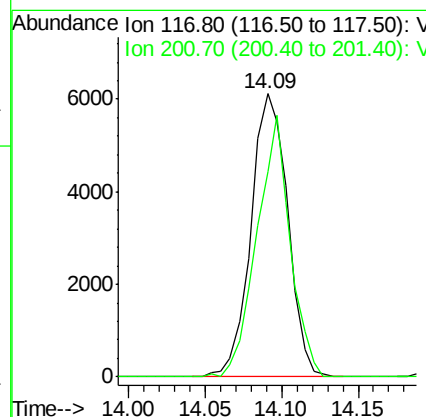
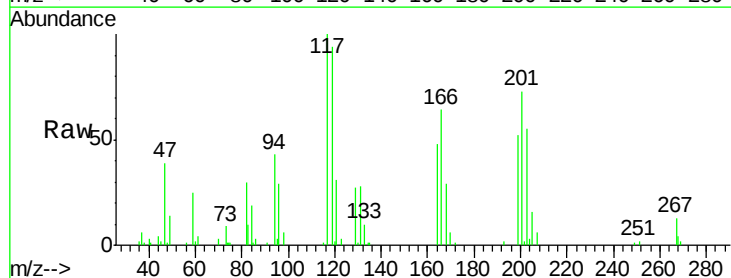
Manual Integrations
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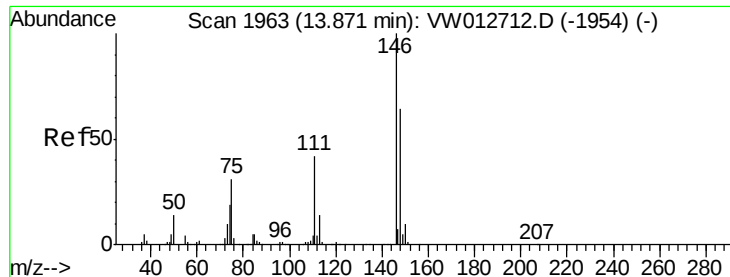
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#90
Hexachloroethane
Concen: 4.850 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	42.8	128.4





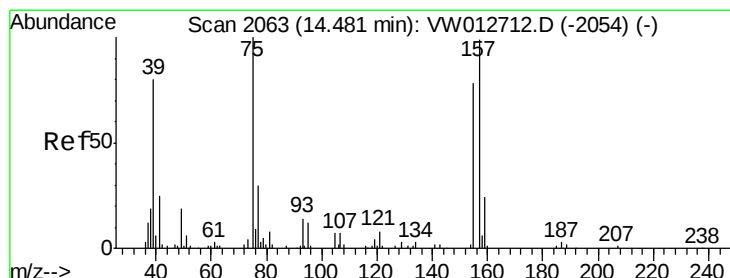
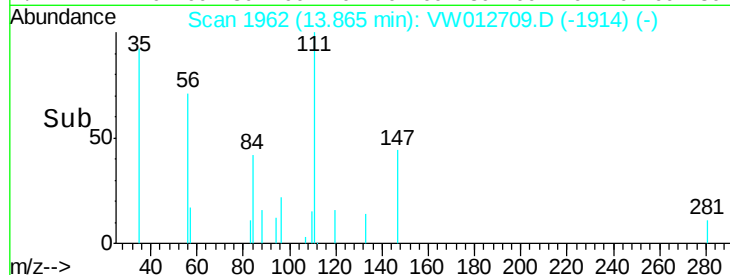
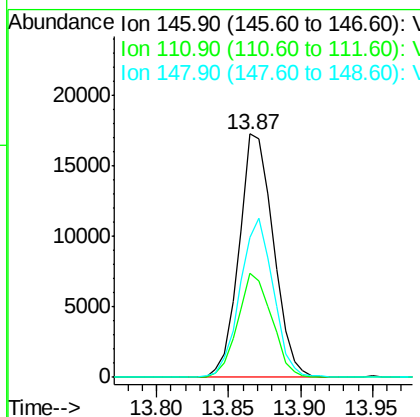
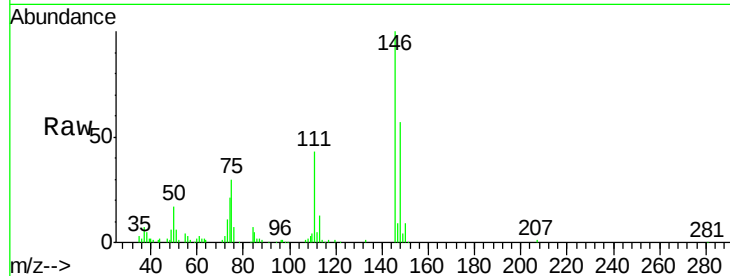
#91
 1,2-Dichlorobenzene
 Concen: 5.555 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.9
148	63.3	32.1	96.5

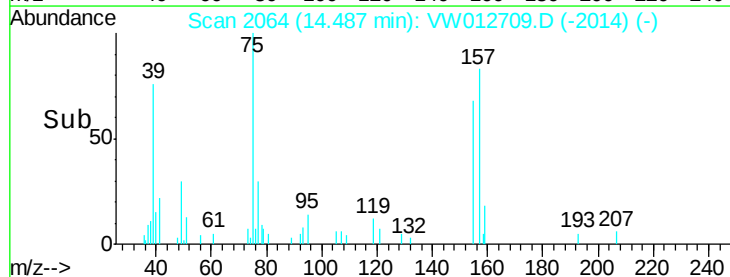
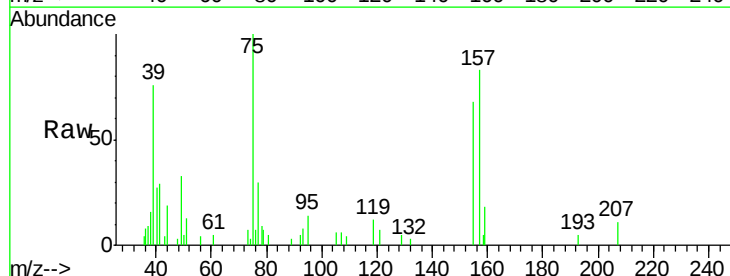
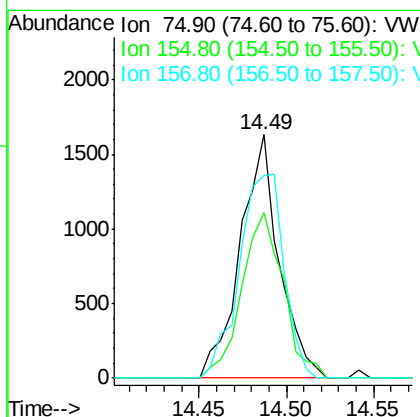
Manual Integrations
 APPROVED

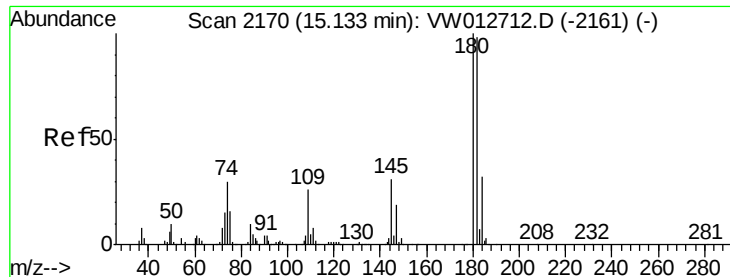
MMDadoda
 9/10/2019 1:00:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.362 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	40.6	122.0
157	96.6	52.5	157.5





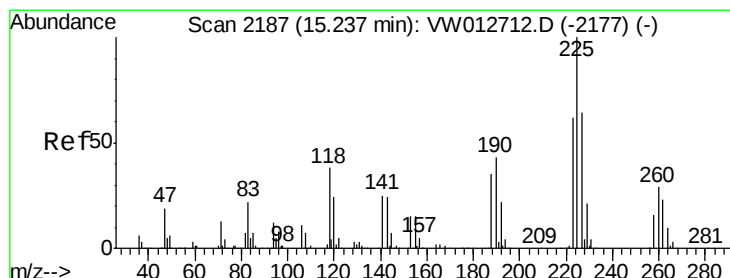
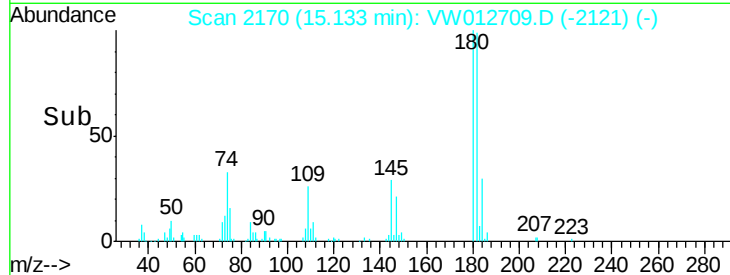
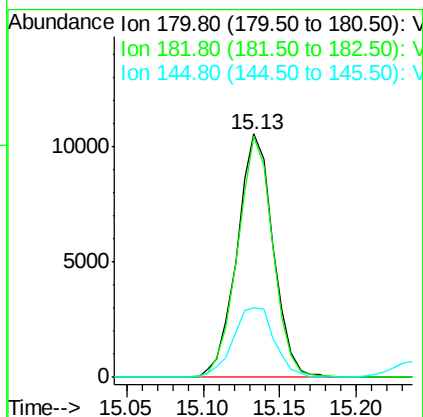
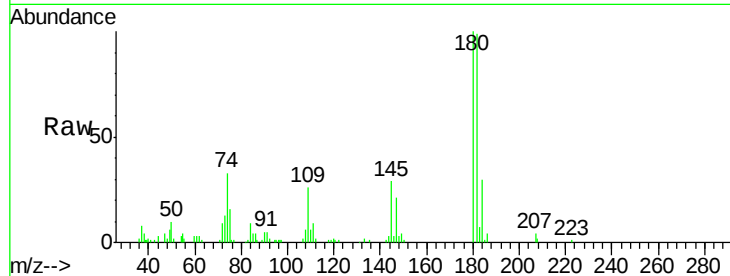
#93
 1,2,4-Trichlorobenzene
 Concen: 4.853 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	17333		
182	96.3	48.7	146.1	
145	32.7	15.0	45.1	

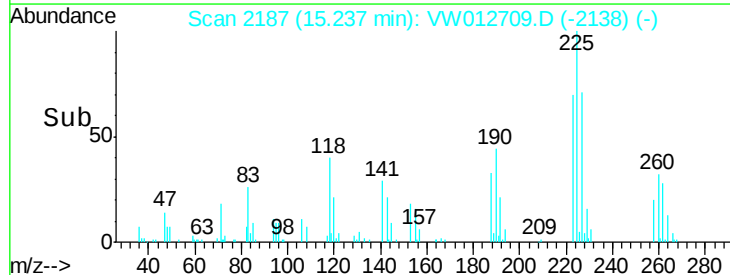
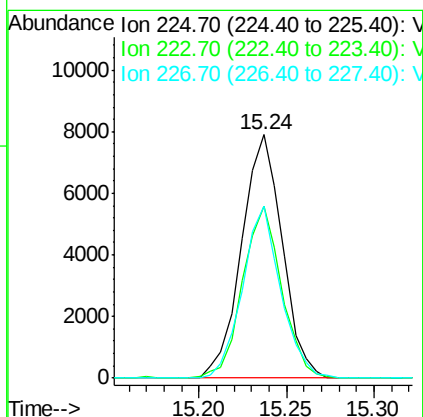
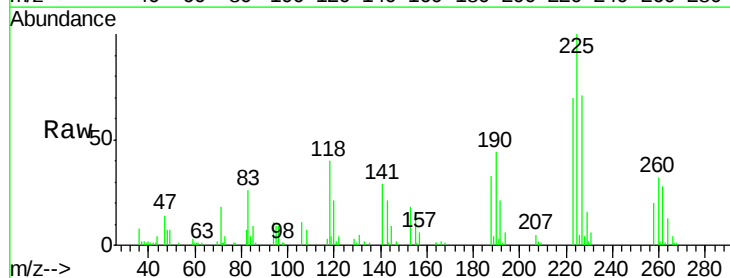
Manual Integrations
 APPROVED

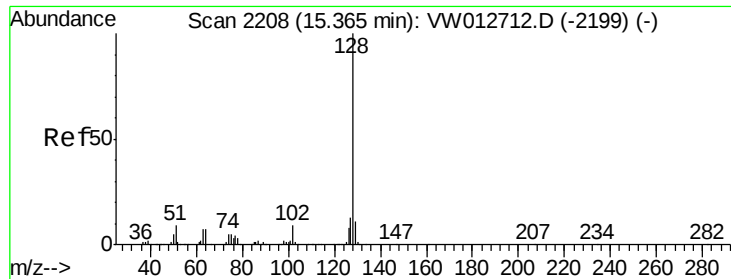
MMDadoda
 9/10/2019 1:00:56 PM



#94
 Hexachlorobutadiene
 Concen: 5.172 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012709.D
 Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12786		
223	67.7	31.1	93.3	
227	66.4	31.4	94.2	





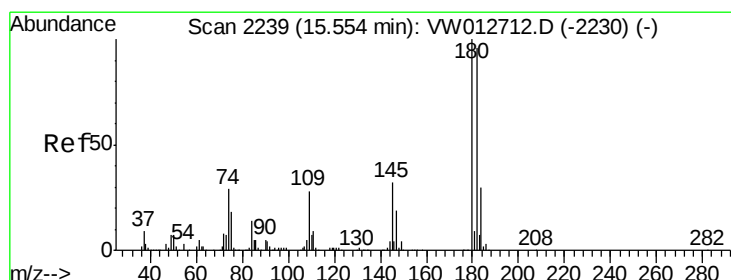
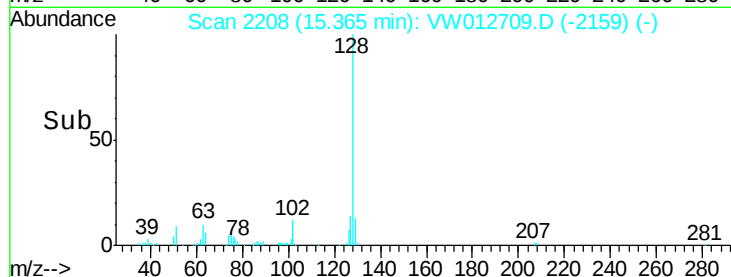
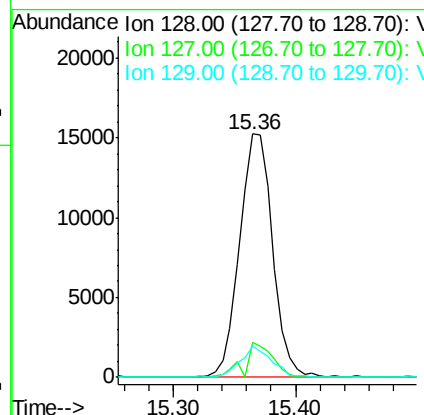
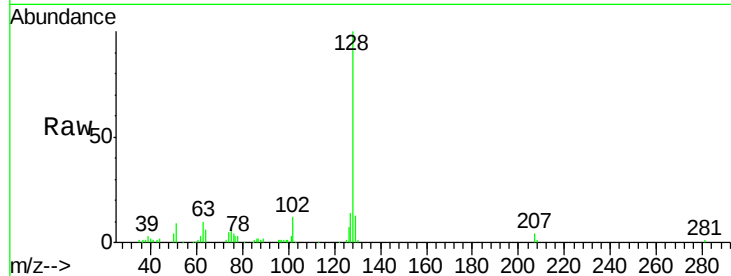
#95
Naphthalene
Concen: 4.269 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	28388		
127	12.2		10.7	16.1
129	12.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:00:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.860 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW012709.D
Acq: 07 Sep 2019 09:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	15320		
182	100.7		47.8	143.3
145	34.4		15.4	46.2

