

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080819\
 Data File : VW011743.D
 Acq On : 07 Aug 2019 11:47
 Operator : SY/VA
 Sample : VW0808SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 9:30:45 AM

Quant Time: Aug 07 16:42:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	341763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134123	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
35) Dibromofluoromethane	7.88	113	107625	56.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.26%	
50) Toluene-d8	10.32	98	441856	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
62) 4-Bromofluorobenzene	12.62	95	154868	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26586	22.123	ug/l	99
3) Chloromethane	2.21	50	38358	18.407	ug/l	99
4) Vinyl Chloride	2.36	62	48917	19.498	ug/l	96
5) Bromomethane	2.75	94	22123	15.931	ug/l	97
6) Chloroethane	2.90	64	25617	17.875	ug/l	96
7) Trichlorofluoromethane	3.25	101	22249	19.843	ug/l	89
8) Diethyl Ether	3.68	74	22493	17.694	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41655	19.585	ug/l	99
10) Methyl Iodide	4.26	142	52825	17.575	ug/l	99
11) Tert butyl alcohol	5.17	59	18021	86.993	ug/l	96
12) 1,1-Dichloroethene	4.03	96	41286	18.384	ug/l	99
13) Acrolein	3.89	56	16422	92.433	ug/l	98
14) Allyl chloride	4.66	41	89068	18.647	ug/l	99
15) Acrylonitrile	5.36	53	58106	91.563	ug/l	98
16) Acetone	4.12	43	60559	76.888	ug/l	97
17) Carbon Disulfide	4.37	76	126192	17.954	ug/l	98
18) Methyl Acetate	4.67	43	32524	18.381	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	63541	17.830	ug/l	97
20) Methylene Chloride	4.91	84	46888	17.261	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	44979	18.578	ug/l	99
22) Diisopropyl ether	6.31	45	162681	18.065	ug/l	96
23) Vinyl Acetate	6.25	43	506968	89.594	ug/l	100
24) 1,1-Dichloroethane	6.21	63	89360	18.528	ug/l	99
25) 2-Butanone	7.17	43	88547	85.915	ug/l	98
26) 2,2-Dichloropropane	7.17	77	53847	18.154	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	47708	17.904	ug/l	99
28) Bromochloromethane	7.51	49	49673	23.204	ug/l	100
29) Tetrahydrofuran	7.52	42	53701	91.155	ug/l	99
30) Chloroform	7.67	83	81231	18.256	ug/l	98
31) Cyclohexane	7.95	56	87312	18.859	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	65292	19.268	ug/l	100
36) 1,1-Dichloropropene	8.08	75	70020	19.703	ug/l	99
37) Ethyl Acetate	7.25	43	38985	19.068	ug/l	98
38) Carbon Tetrachloride	8.06	117	60164	19.776	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76716	19.605	ug/l	98
40) Benzene	8.32	78	188240	18.911	ug/l	98
41) Methacrylonitrile	7.48	41	22717	18.587	ug/l	98
42) 1,2-Dichloroethane	8.40	62	58969	18.922	ug/l	99
43) Isopropyl Acetate	8.42	43	68237	18.148	ug/l	99
44) Trichloroethene	9.09	130	45977	19.217	ug/l	97
45) 1,2-Dichloropropane	9.37	63	49526	18.595	ug/l	100
46) Dibromomethane	9.46	93	22436	18.456	ug/l	99
47) Bromodichloromethane	9.64	83	58563	18.366	ug/l	100
48) Methyl methacrylate	9.43	41	32018	17.727	ug/l	98
49) 1,4-Dioxane	9.45	88	6237	354.345	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	175955	89.966	ug/l	99
52) Toluene	10.38	92	114293	19.013	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	59562	17.881	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	72420	18.285	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	32181	18.658	ug/l	96
56) Ethyl methacrylate	10.65	69	45418	17.995	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59844	18.339	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127486	111.248	ug/l	99
59) 2-Hexanone	10.97	43	123457	89.402	ug/l	99
60) Dibromochloromethane	11.13	129	34596	18.070	ug/l	100
61) 1,2-Dibromoethane	11.23	107	30022	18.393	ug/l	98
64) Tetrachloroethene	10.86	164	37972	19.938	ug/l	98
65) Chlorobenzene	11.66	112	112978	19.212	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	39620	19.343	ug/l	99
67) Ethyl Benzene	11.73	91	218062	19.470	ug/l	99
68) m/p-Xylenes	11.84	106	158458	38.904	ug/l	100
69) o-Xylene	12.16	106	71630	18.925	ug/l	97
70) Styrene	12.18	104	123949	18.941	ug/l	100
71) Bromoform	12.35	173	19369	18.546	ug/l #	97
73) Isopropylbenzene	12.46	105	205568	19.119	ug/l	100
74) N-amyl acetate	12.27	43	60872	18.084	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	38697	19.134	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	31816m	20.863	ug/l	
77) Bromobenzene	12.74	156	44637	18.783	ug/l	99
78) n-propylbenzene	12.80	91	252890	19.327	ug/l	99
79) 2-Chlorotoluene	12.89	91	141861	18.819	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	173922	19.297	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12072	18.244	ug/l	93
82) 4-Chlorotoluene	12.99	91	149193	18.863	ug/l	99
83) tert-Butylbenzene	13.21	119	144161	19.127	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	172911	19.045	ug/l	99
85) sec-Butylbenzene	13.38	105	210798	19.602	ug/l	100
86) p-Isopropyltoluene	13.50	119	186171	19.080	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	87420	18.761	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	87531	18.883	ug/l	98
89) n-Butylbenzene	13.82	91	184674	18.966	ug/l	100
90) Hexachloroethane	14.09	117	32774	18.995	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	76138	18.474	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6402	18.563	ug/l	96

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QLast Update : Sat Jul 27 00:23:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	51980	17.896	ug/l	99
94) Hexachlorobutadiene	15.24	225	35115	19.386	ug/l	100
95) Naphthalene	15.37	128	87036	16.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	45191	17.749	ug/l	99

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

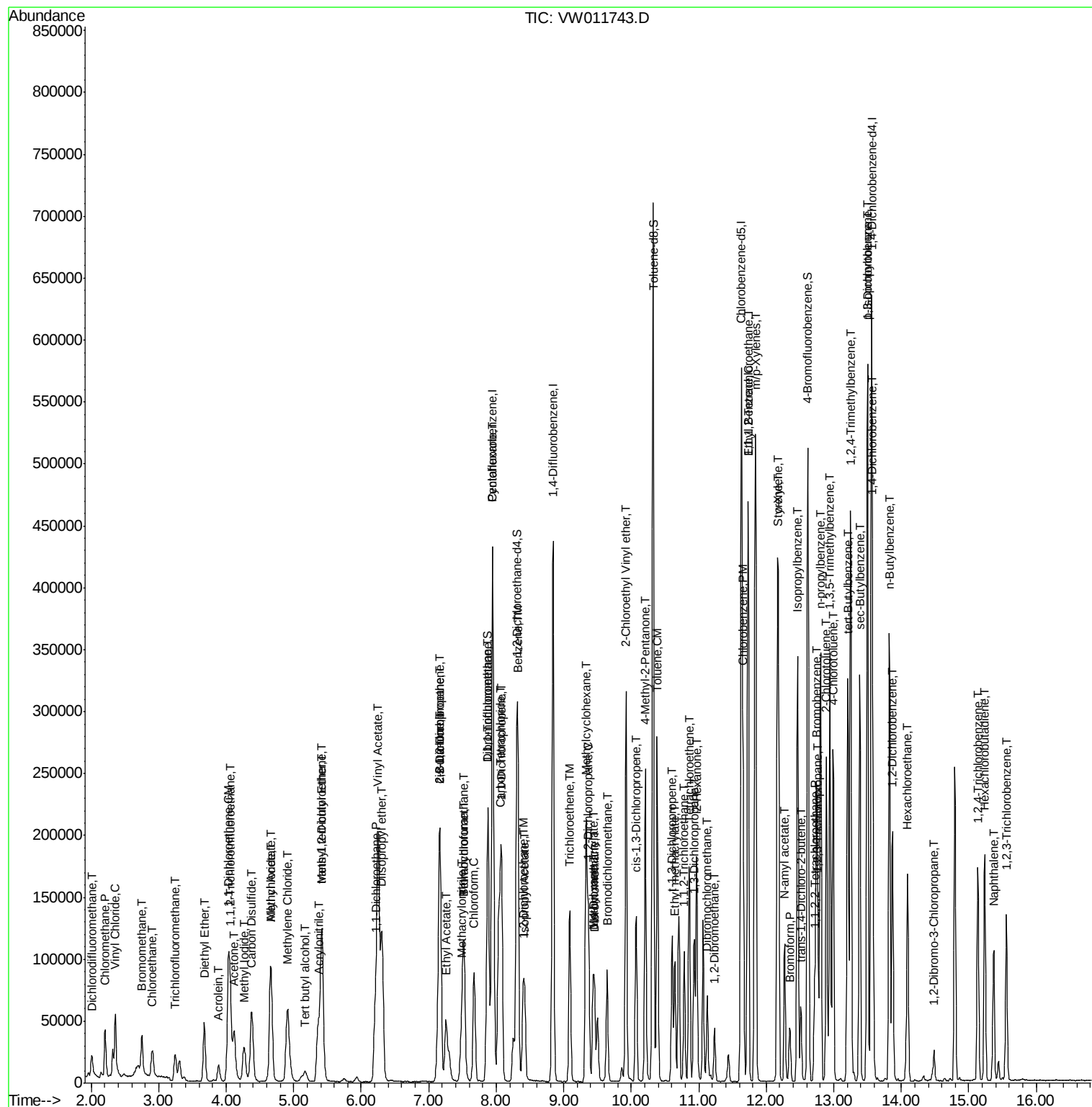
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW080819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion:168 Resp: 215632

Ion Ratio Lower Upper

168 100

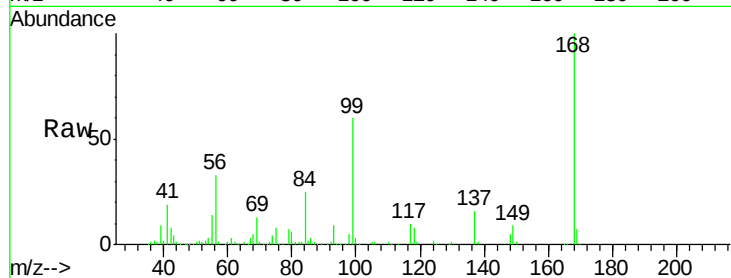
99 60.5 48.2 72.4

Manual Integrations

APPROVED

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8/8/2019 9:30:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

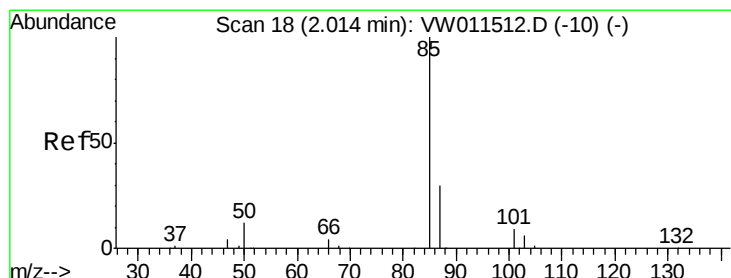
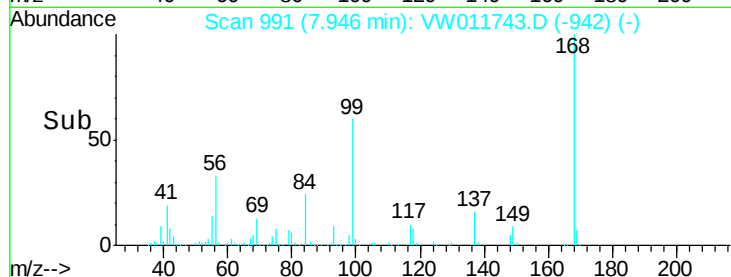
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 22.123 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011743.D

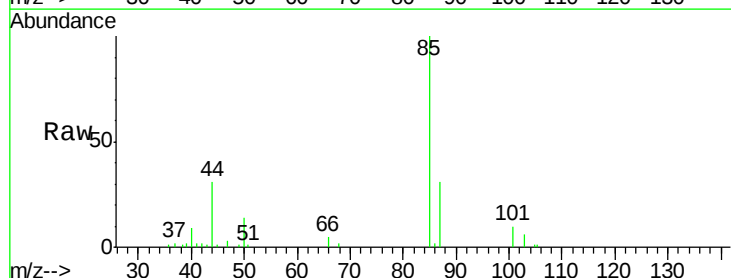
Acq: 07 Aug 2019 11:47

Tgt Ion: 85 Resp: 26586

Ion Ratio Lower Upper

85 100

87 30.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

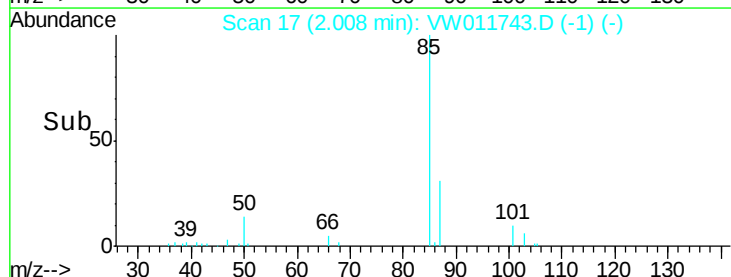
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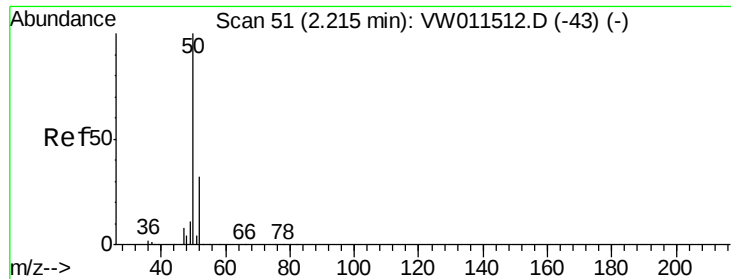
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.407 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 50 Resp: 38358

Ion Ratio Lower Upper

50 100

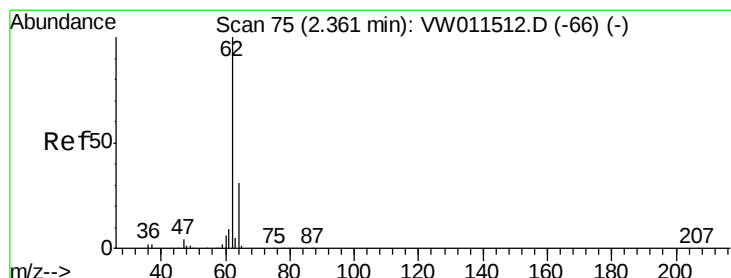
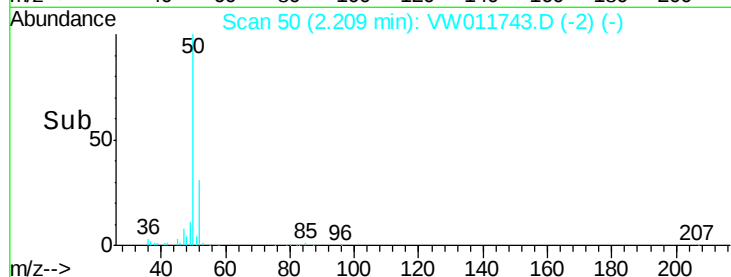
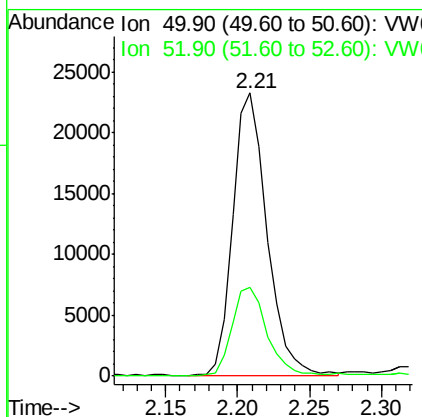
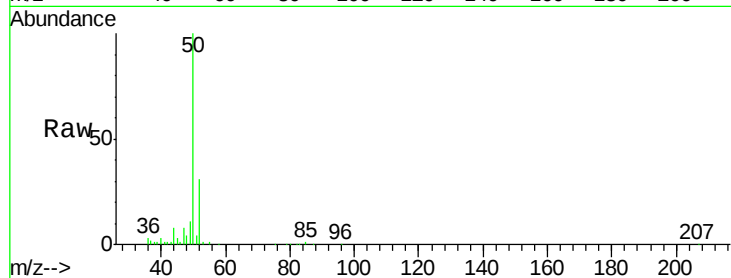
52 31.2 25.4 38.2

Manual Integrations

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8/8/2019 9:30:45 AM



#4

Vinyl Chloride

Concen: 19.498 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011743.D

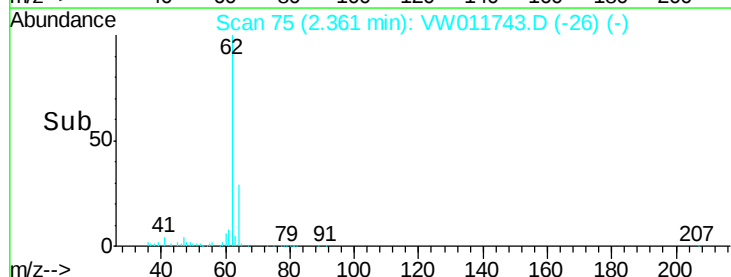
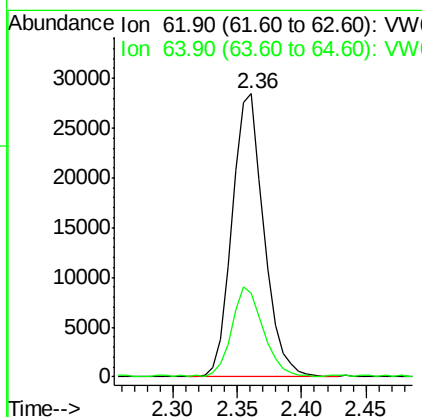
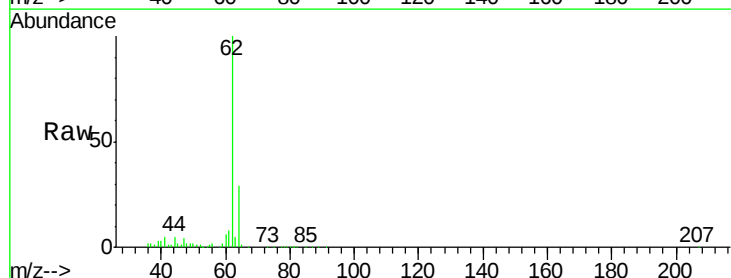
Acq: 07 Aug 2019 11:47

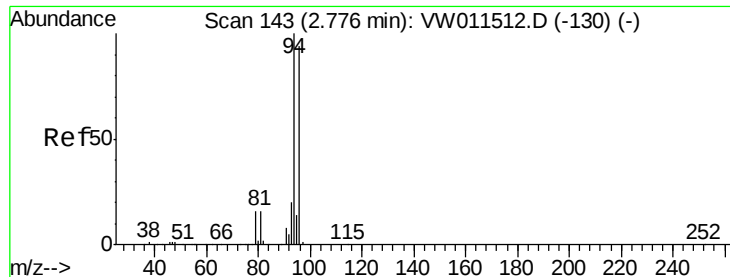
Tgt Ion: 62 Resp: 48917

Ion Ratio Lower Upper

62 100

64 29.2 25.0 37.4





#5

Bromomethane

Concen: 15.931 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 94 Resp: 22123

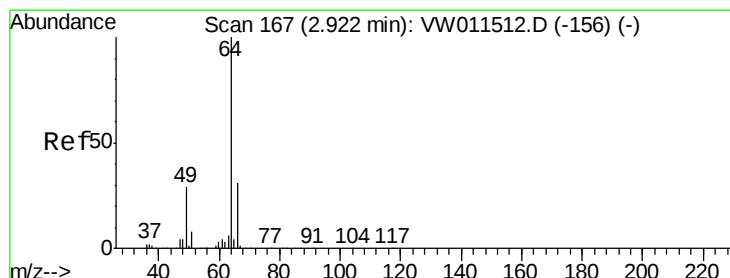
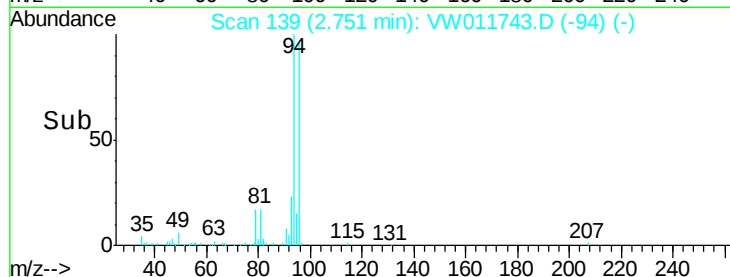
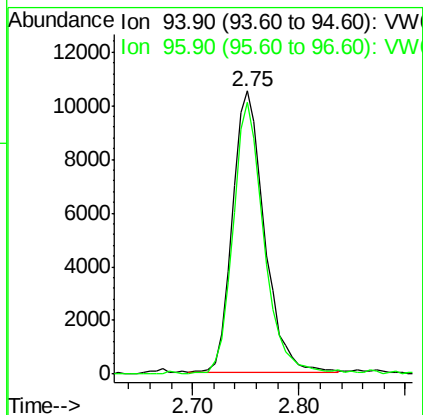
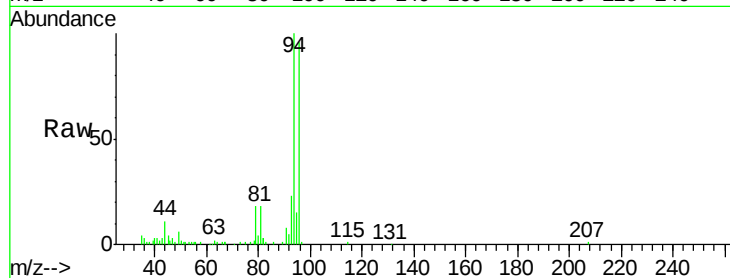
Ion Ratio Lower Upper

94 100

96 96.7 75.0 112.6

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8/8/2019 9:30:45 AM



#6

Chloroethane

Concen: 17.875 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.02 min

Lab File: VW011743.D

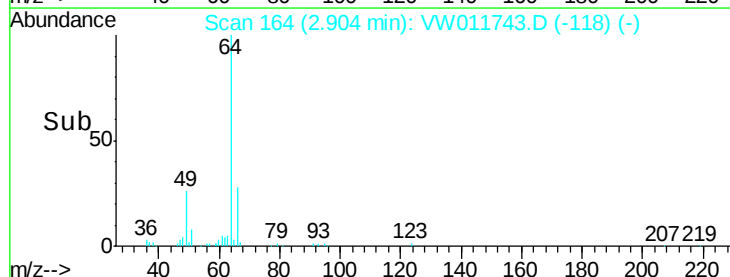
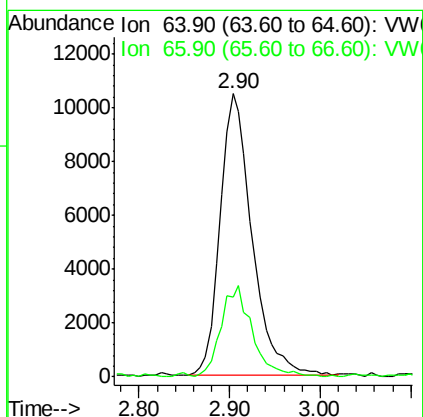
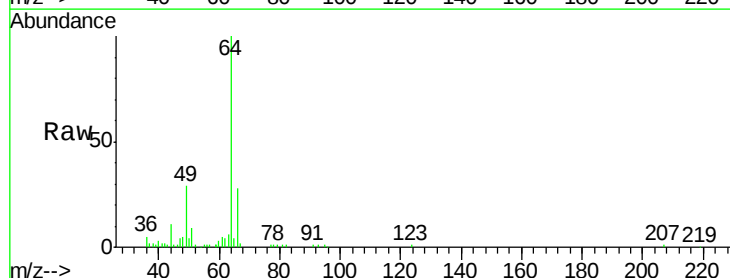
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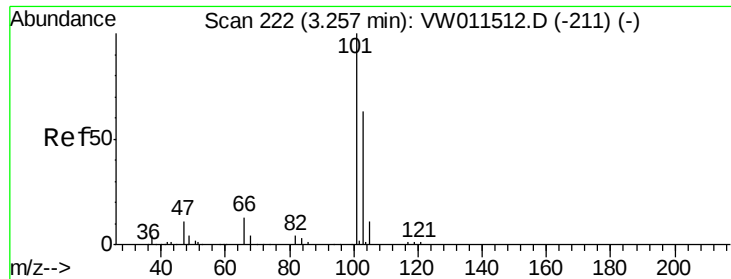
Tgt Ion: 64 Resp: 25617

Ion Ratio Lower Upper

64 100

66 28.6 24.6 36.8





#7

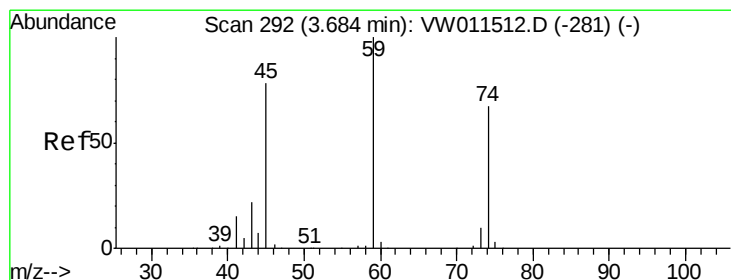
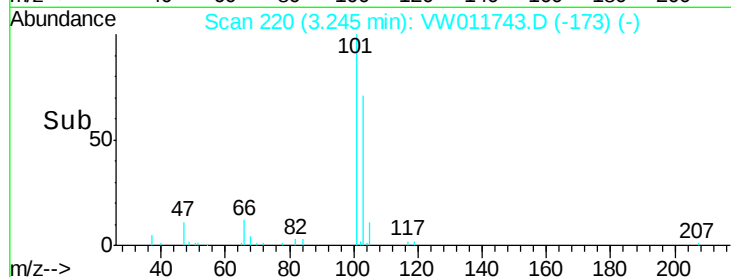
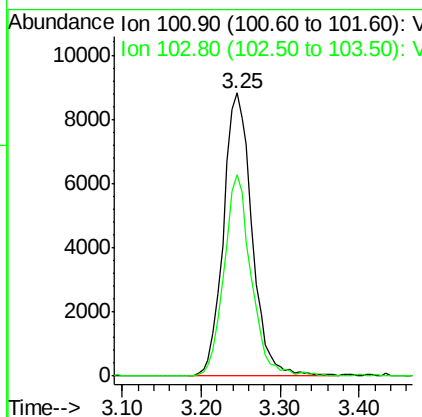
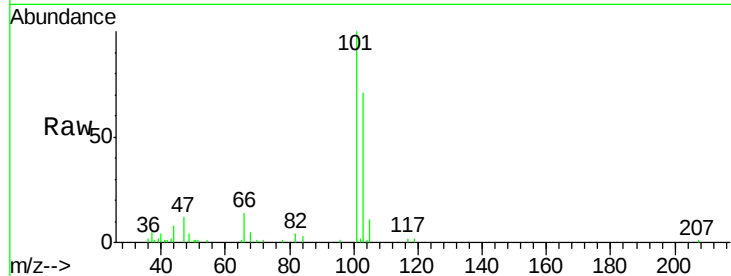
Trichlorofluoromethane
 Concen: 19.843 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	71.1	50.2	75.4

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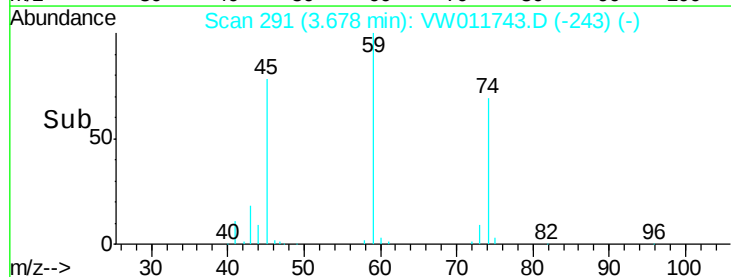
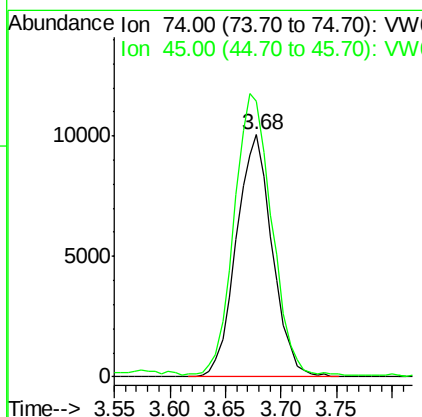
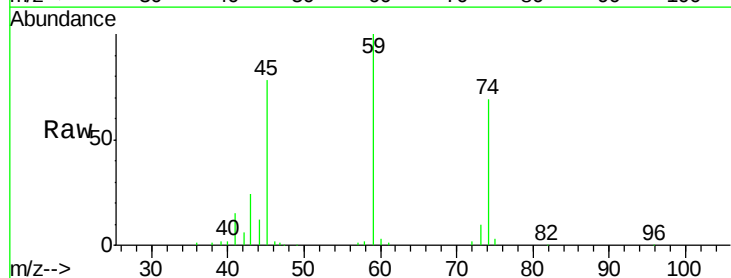
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 8/8/2019 9:30:45 AM

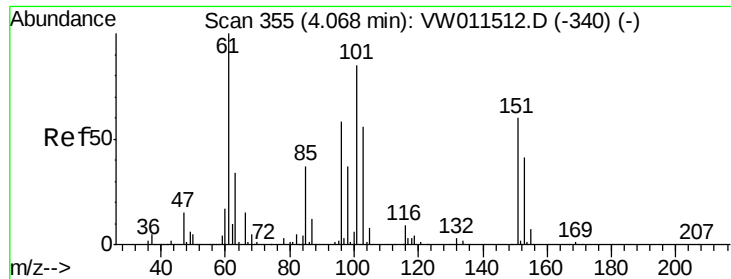


#8

Diethyl Ether
 Concen: 17.694 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.0	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.585 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

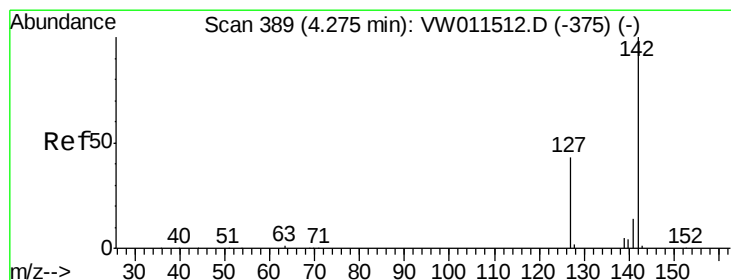
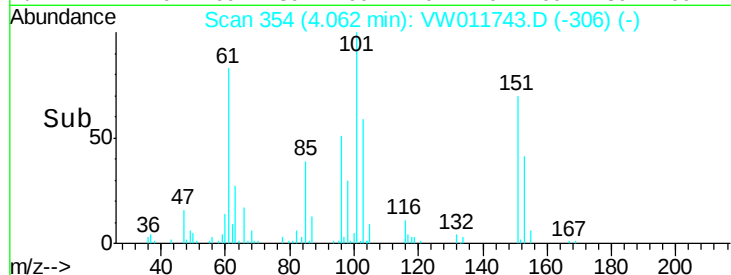
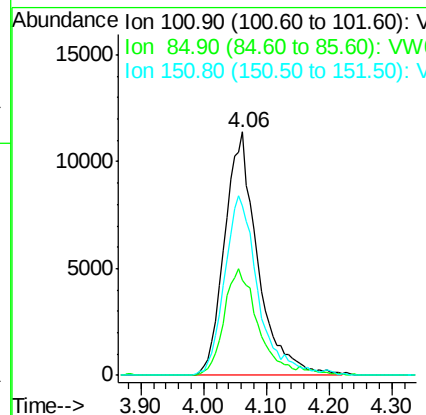
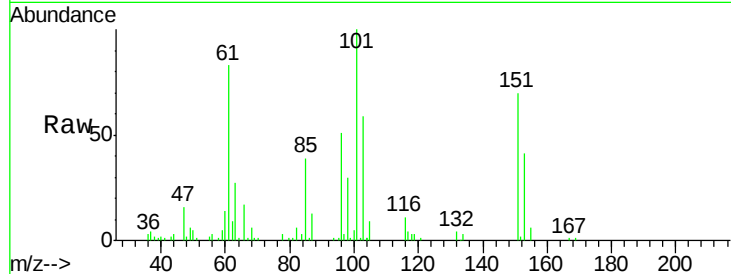
ClientSampleId :

VW0808SBS01

Tot Ion:	101	Resp:	41655
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.6	54.8
151	74.5	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.575 ug/l

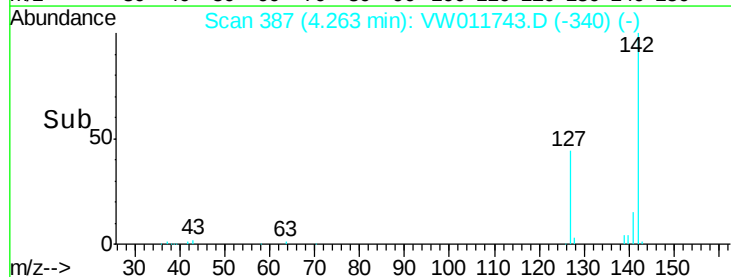
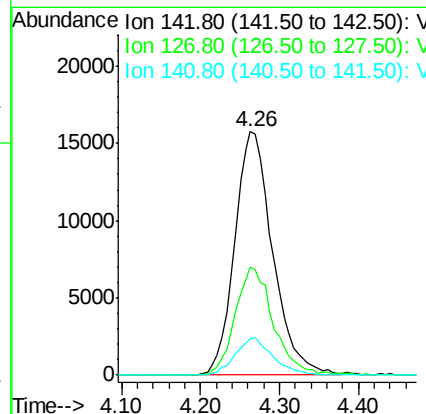
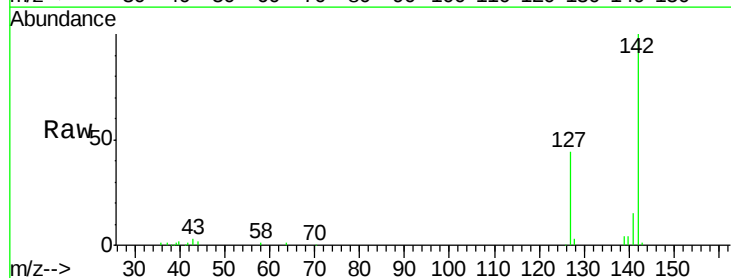
RT: 4.26 min Scan# 387

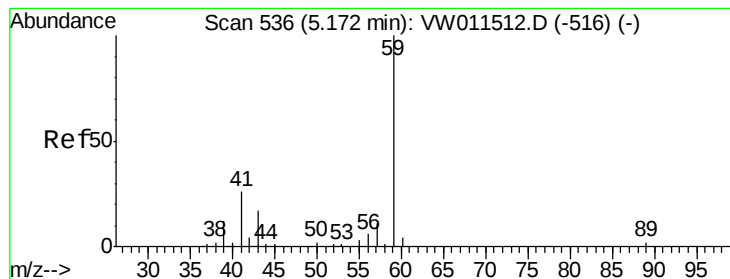
Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Tgt Ion:	142	Resp:	52825
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.0	52.6
141	15.0	11.9	17.9





#11

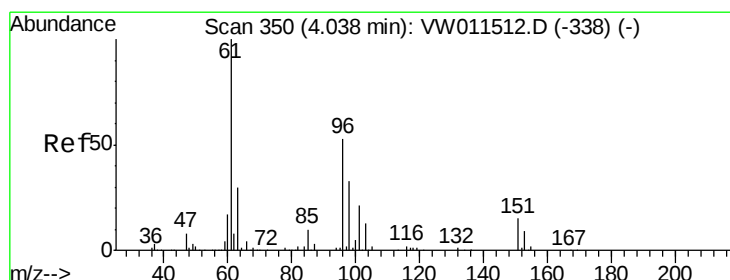
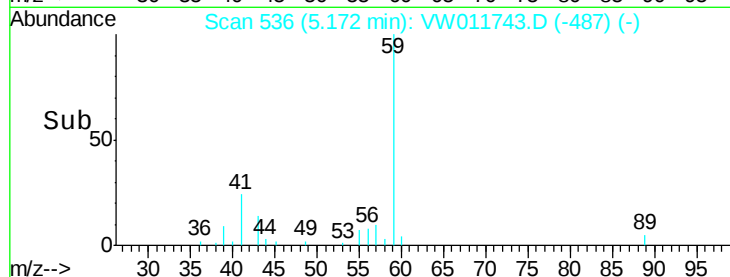
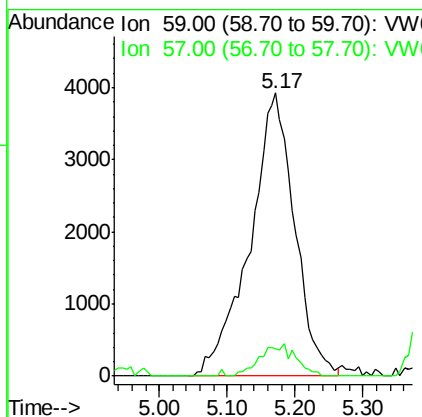
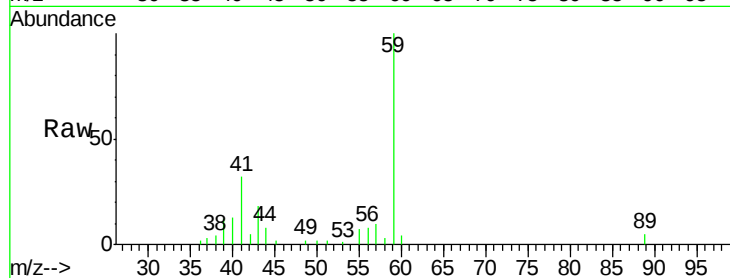
Tert butyl alcohol
 Concen: 86.993 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
 MSVOA_W
 ClientSampled :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.5	12.7

Manual Integrations
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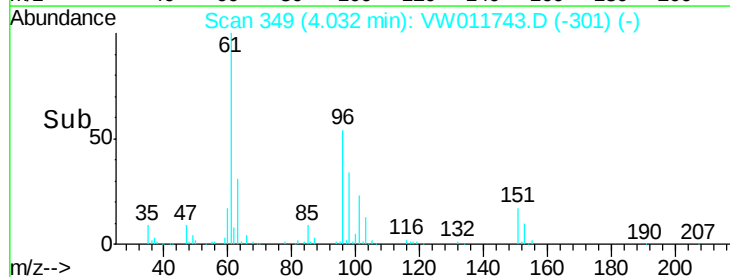
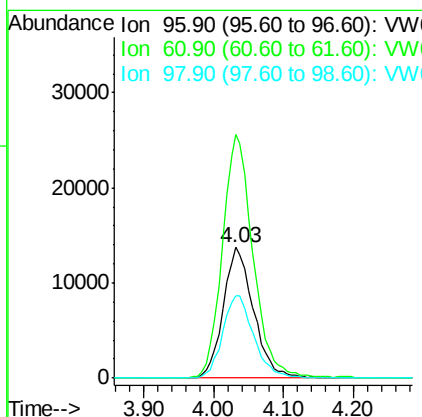
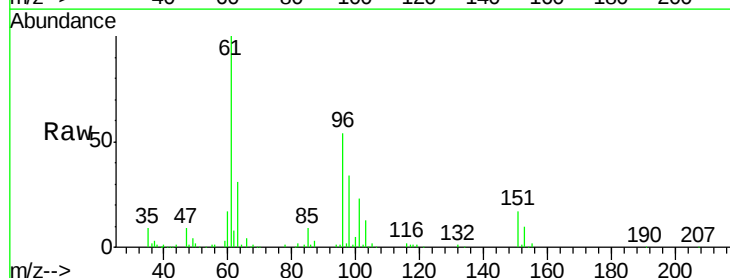
MMDadoda
 8/8/2019 9:30:45 AM

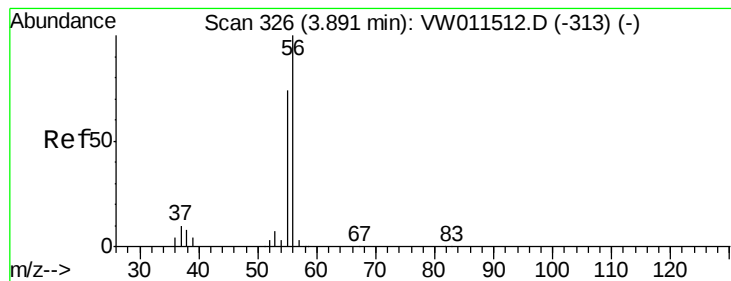


#12

1,1-Dichloroethene
 Concen: 18.384 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.1	149.9	224.9
98	62.8	49.1	73.7





#13

Acrolein

Concen: 92.433 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 56 Resp: 16422

Ion Ratio Lower Upper

56 100

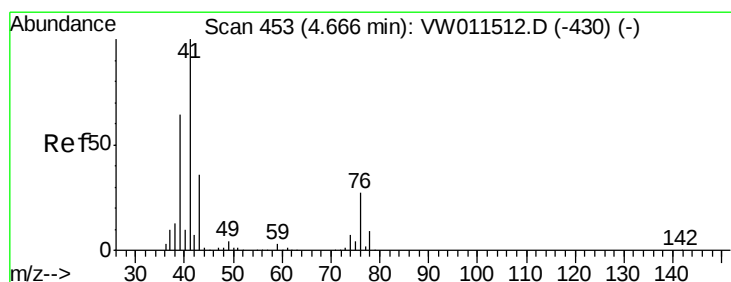
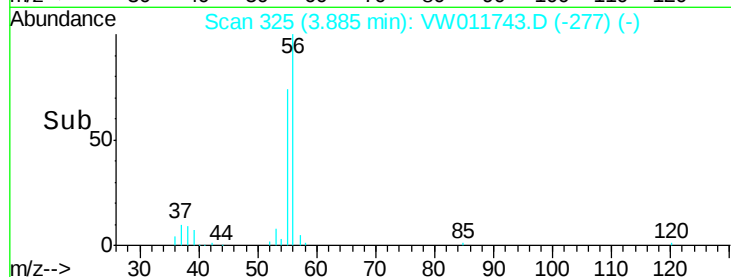
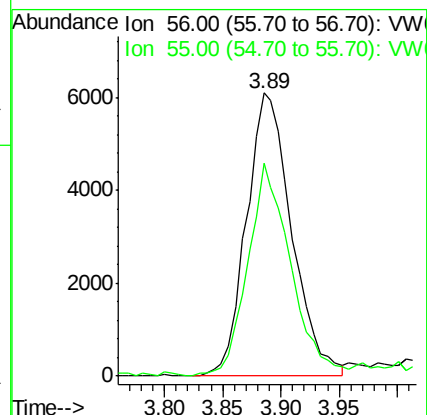
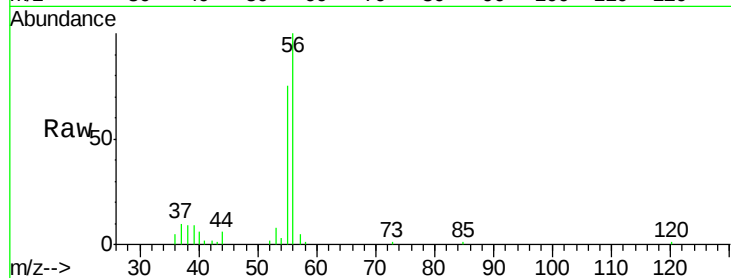
55 71.5 56.0 84.0

Manual Integrations

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MMDadoda

8/8/2019 9:30:45 AM



#14

Allyl chloride

Concen: 18.647 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

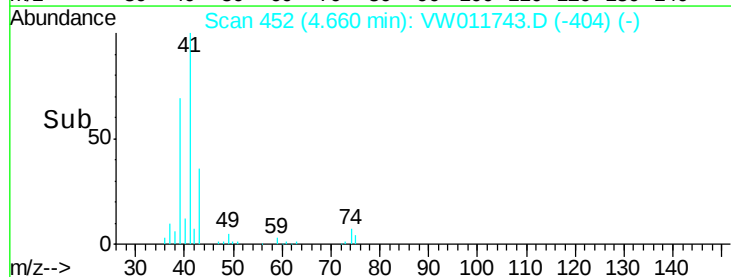
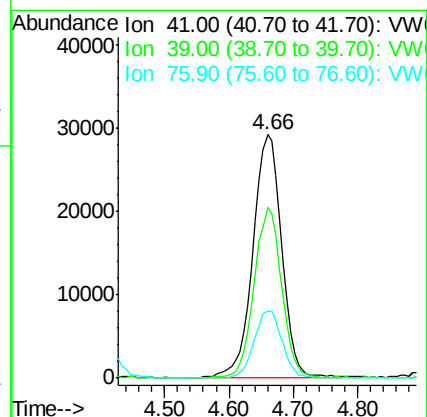
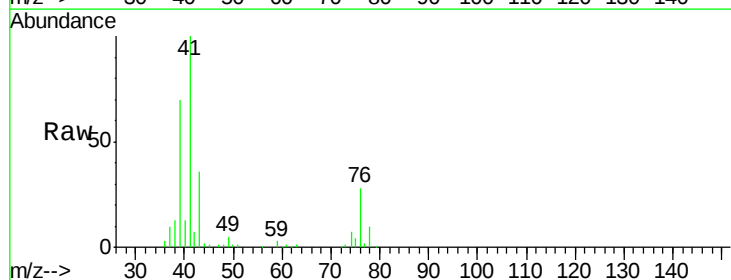
Tgt Ion: 41 Resp: 89068

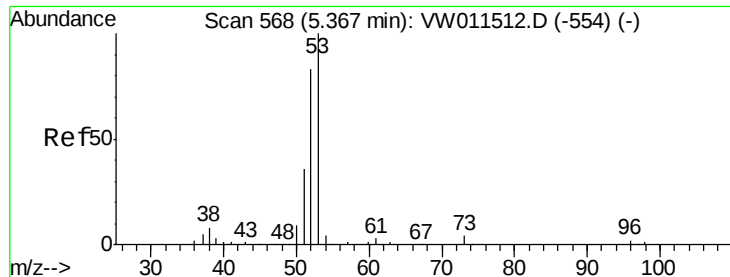
Ion Ratio Lower Upper

41 100

39 66.7 52.6 78.8

76 26.9 22.0 33.0





#15

Acrylonitrile

Concen: 91.563 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

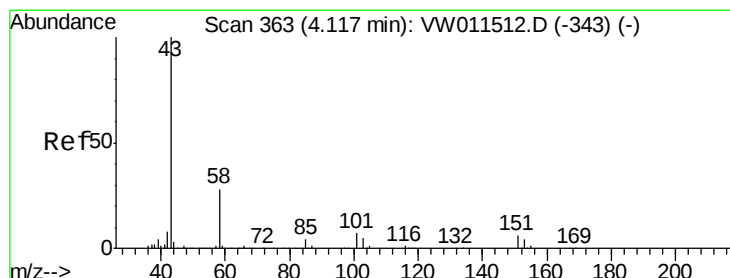
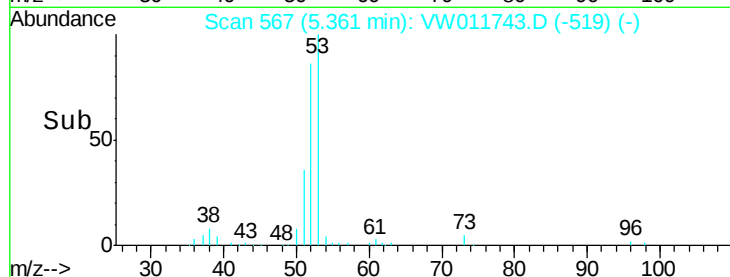
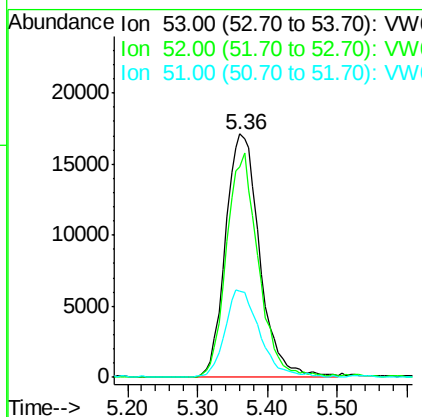
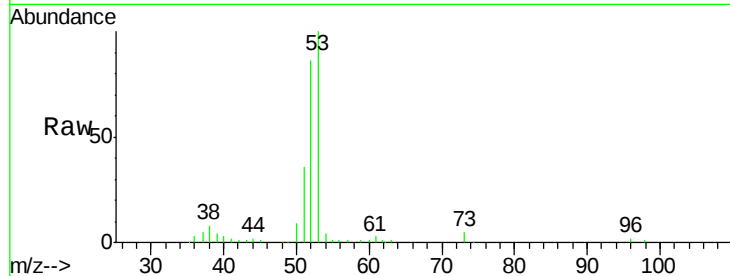
ClientSampleId :

VW0808SBS01

Tot Ion:	53	Resp:	58106
Ion	Ratio	Lower	Upper
53	100		
52	86.2	67.2	100.8
51	36.7	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 76.888 ug/l

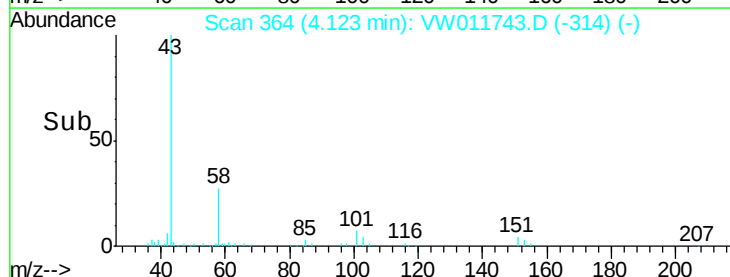
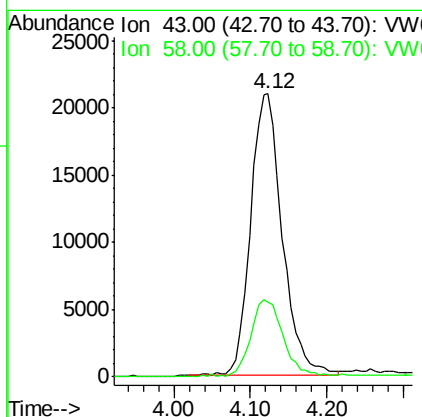
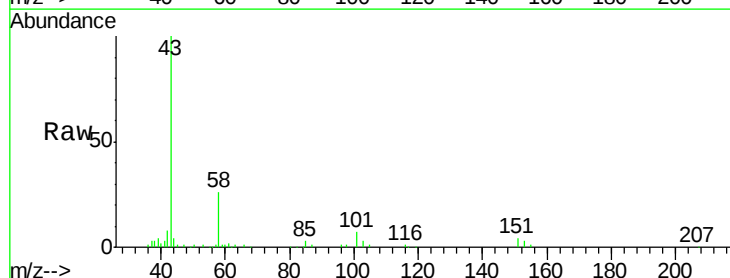
RT: 4.12 min Scan# 364

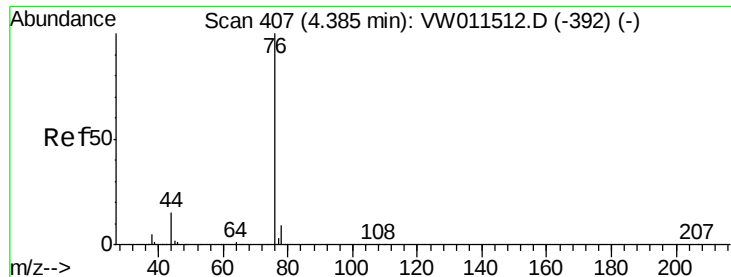
Delta R.T. 0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Tgt Ion:	43	Resp:	60559
Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.3	33.5





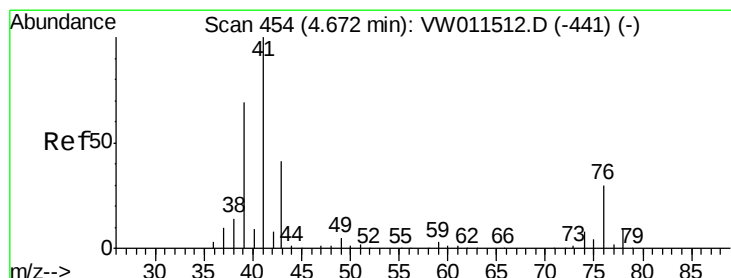
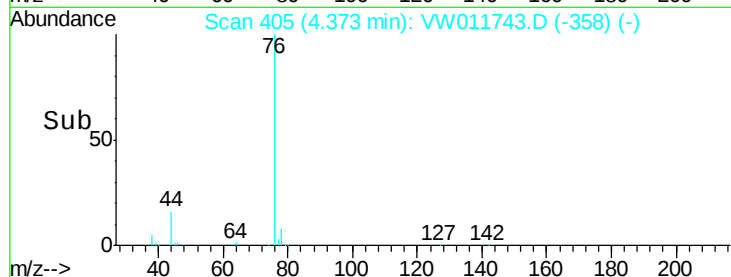
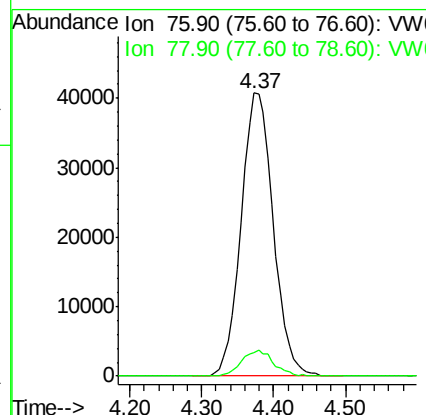
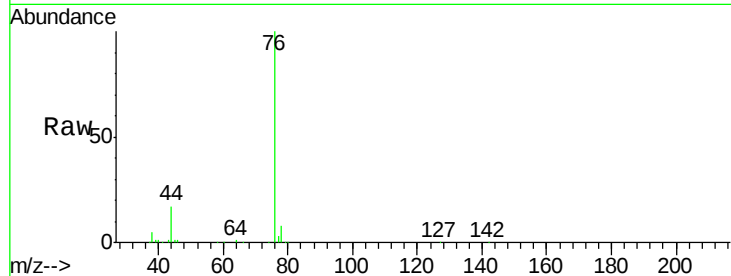
#17
Carbon Disulfide
Concen: 17.954 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	126192		
78	8.1		7.1	10.7

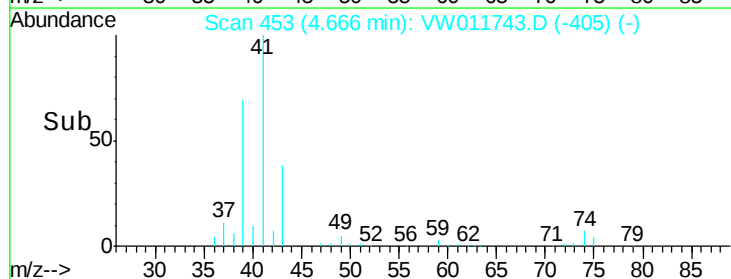
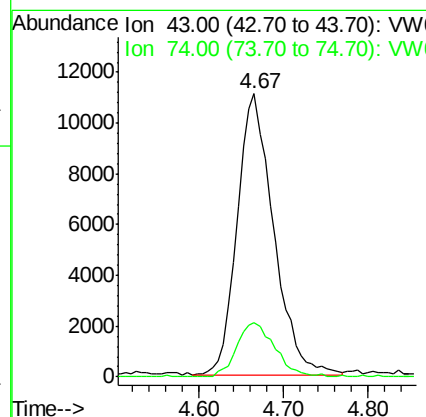
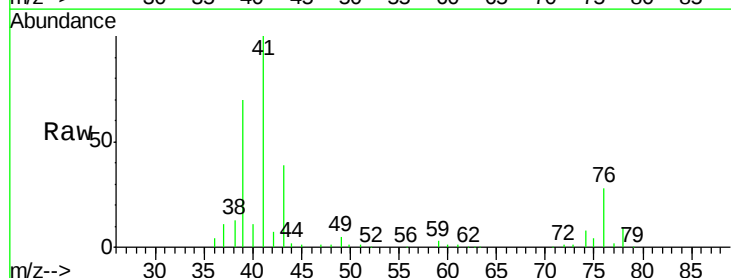
Manual Integrations
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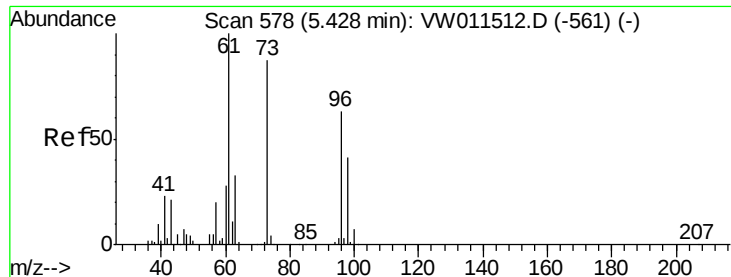
MMDadoda
8/8/2019 9:30:45 AM



#18
Methyl Acetate
Concen: 18.381 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	32524		
74	20.2		15.9	23.9





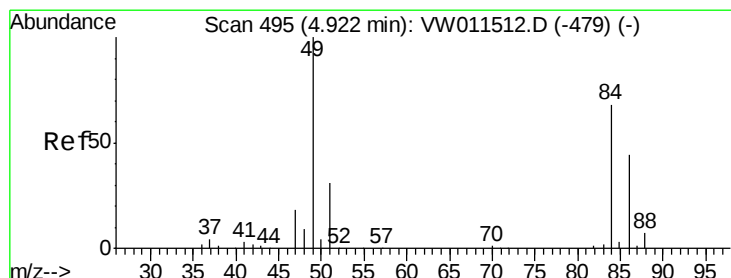
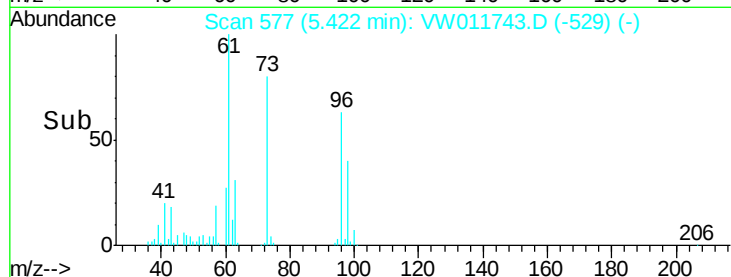
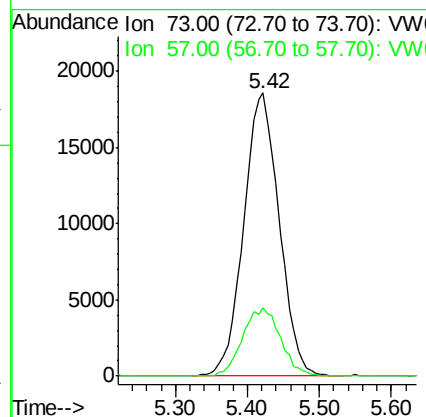
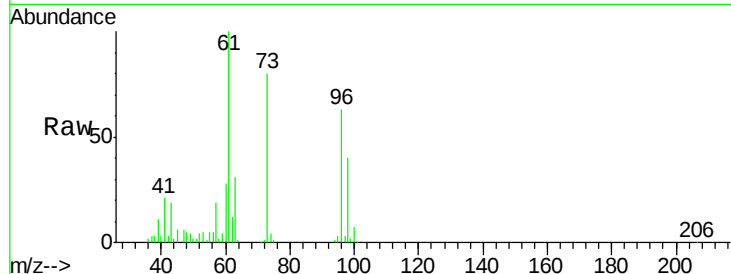
#19
Methvl tert-butvl Ether
Concen: 17.830 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion: 73 Resp: 63541
Ion Ratio Lower Upper
73 100
57 24.2 18.4 27.6

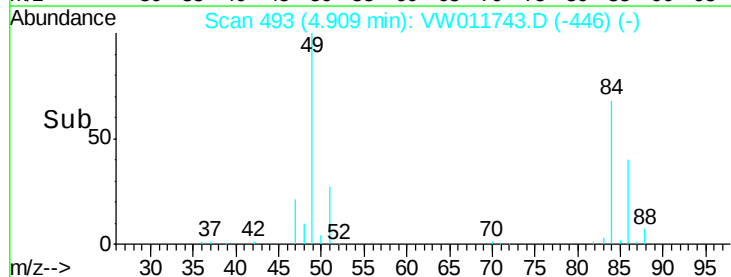
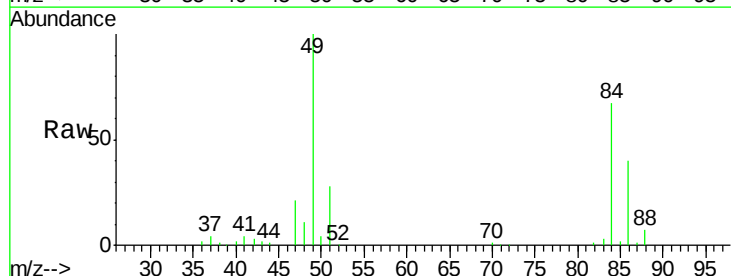
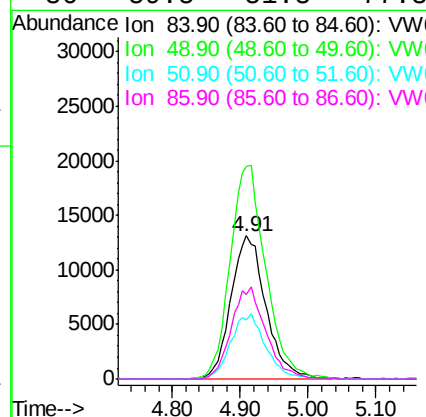
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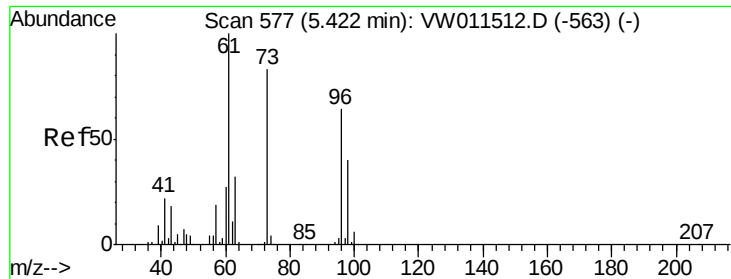
MMDadoda
8/8/2019 9:30:45 AM



#20
Methylene Chloride
Concen: 17.261 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion: 84 Resp: 46888
Ion Ratio Lower Upper
84 100
49 148.7 117.8 176.6
51 41.4 37.0 55.4
86 59.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 18.578 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 96 Resp: 44979

Ion Ratio Lower Upper

96 100

61 158.4 125.7 188.5

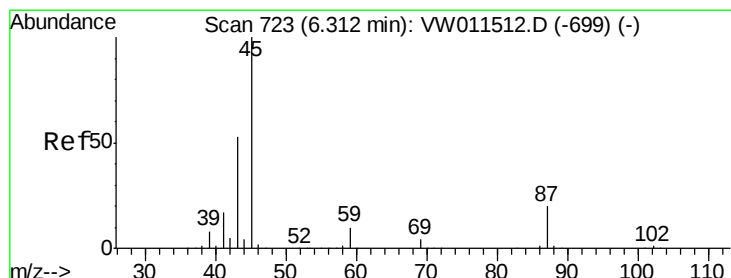
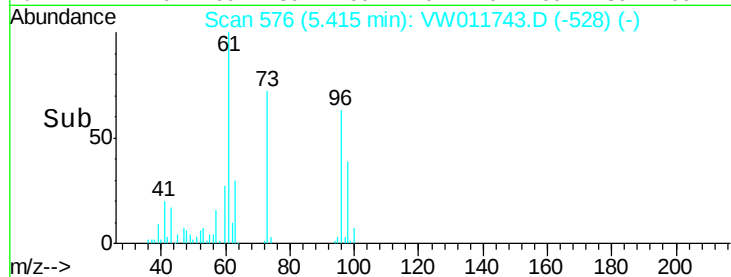
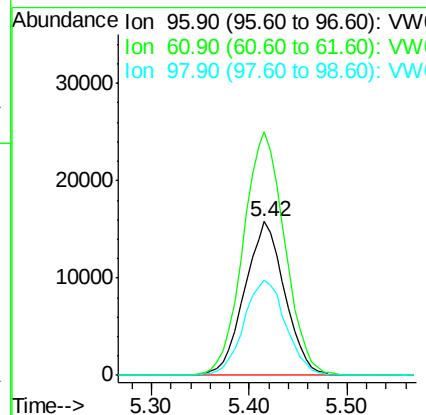
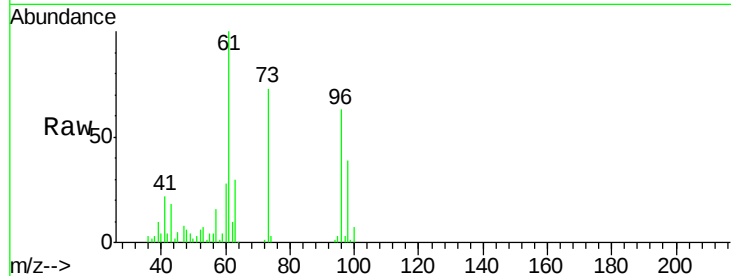
98 61.7 50.3 75.5

Manual Integrations

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MMDadoda

8/8/2019 9:30:45 AM



#22

Diisopropyl ether

Concen: 18.065 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Tgt Ion: 45 Resp: 162681

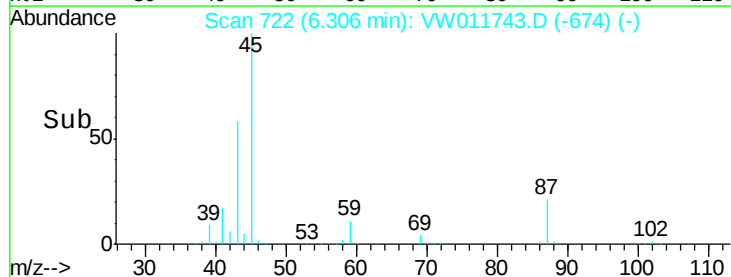
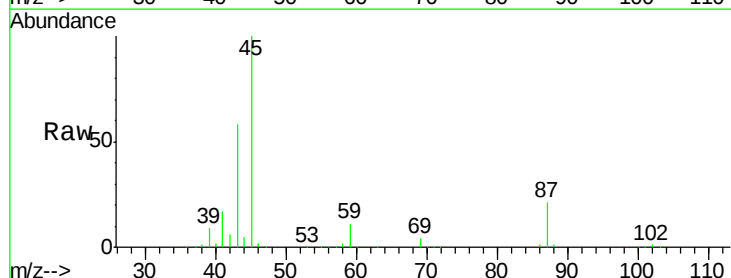
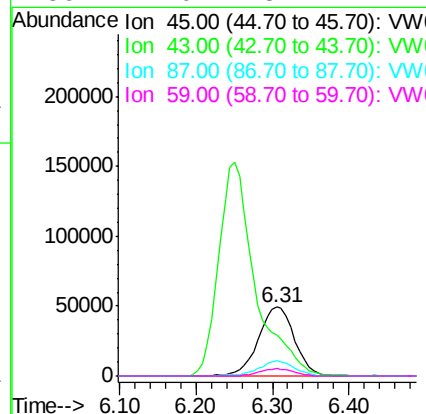
Ion Ratio Lower Upper

45 100

43 57.2 42.6 63.8

87 21.2 16.4 24.6

59 11.0 8.2 12.2





#23

Vinyl Acetate

Concen: 89.594 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 43 Resp: 506968

Ion Ratio Lower Upper

43 100

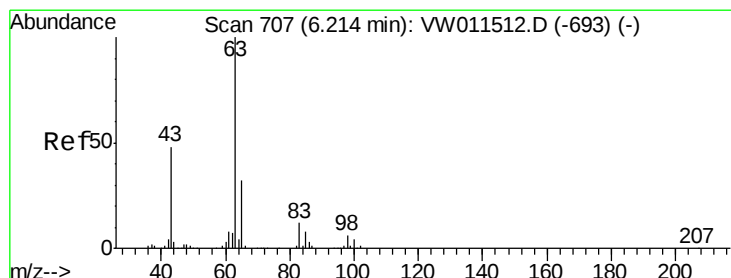
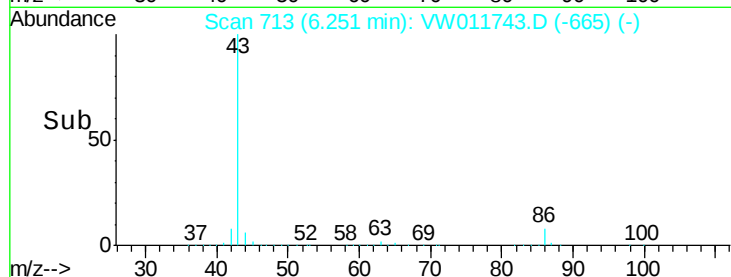
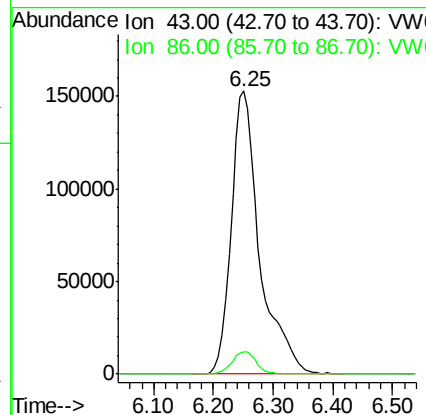
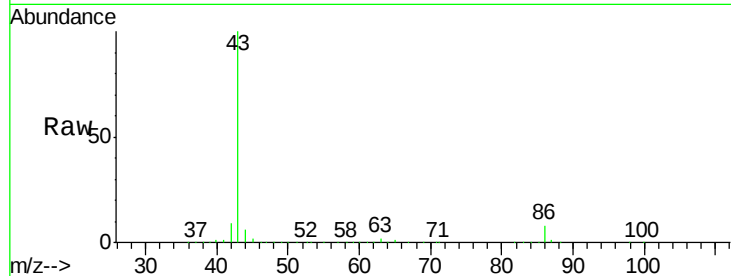
86 8.0 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

8/8/2019 9:30:45 AM



#24

1,1-Dichloroethane

Concen: 18.528 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

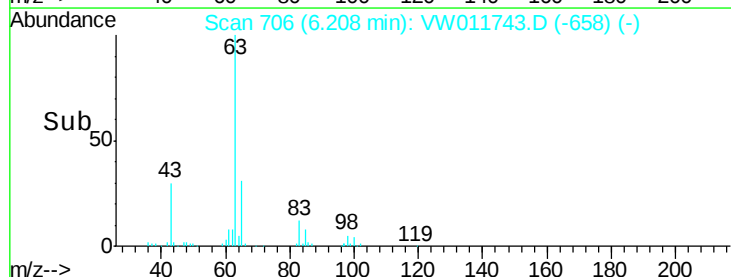
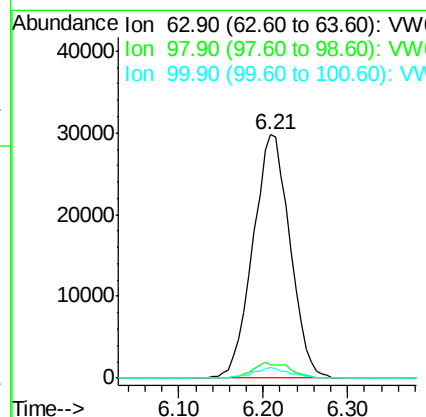
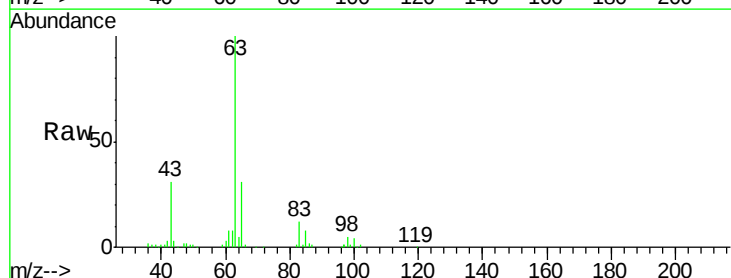
Tgt Ion: 63 Resp: 89360

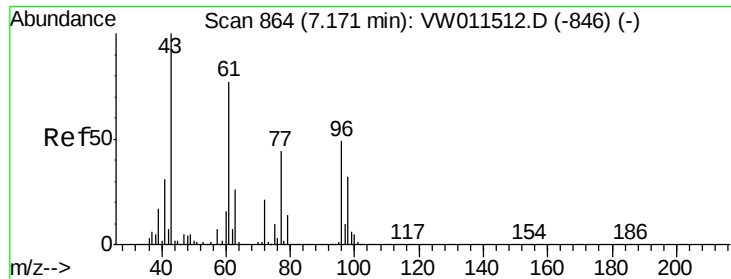
Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.8

100 4.5 2.1 6.3





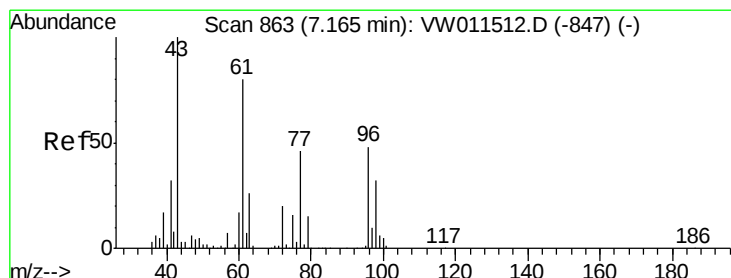
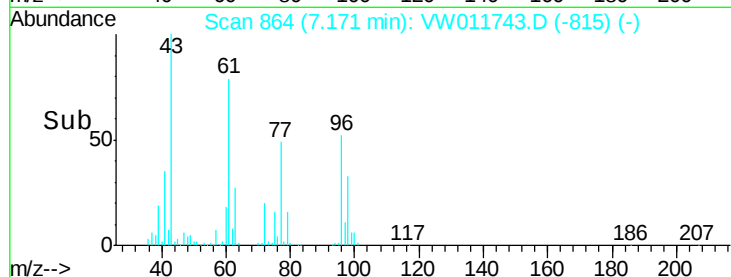
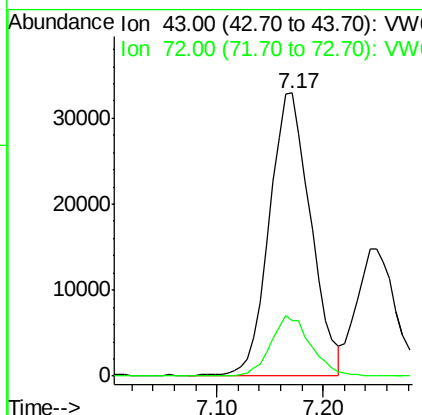
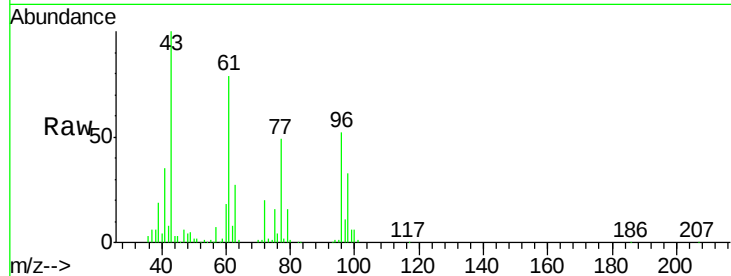
#25
2-Butanone
Concen: 85.915 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0808SBS01

Tot Ion: 43 Resp: 88547
Ion Ratio Lower Upper
43 100
72 19.6 16.6 24.8

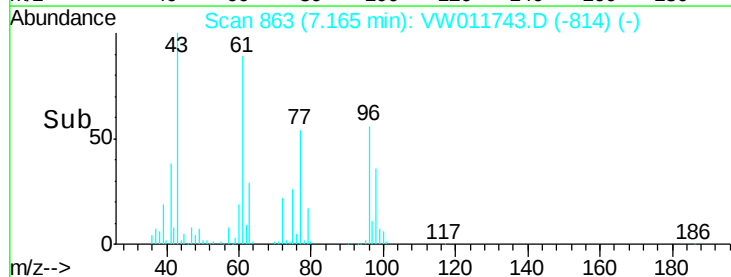
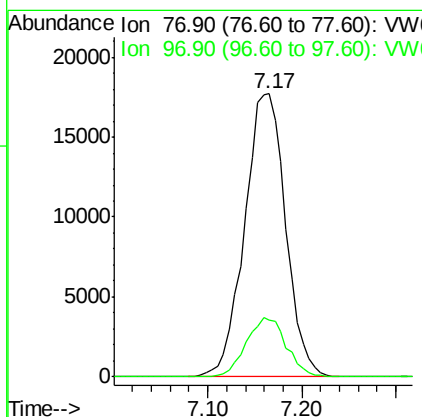
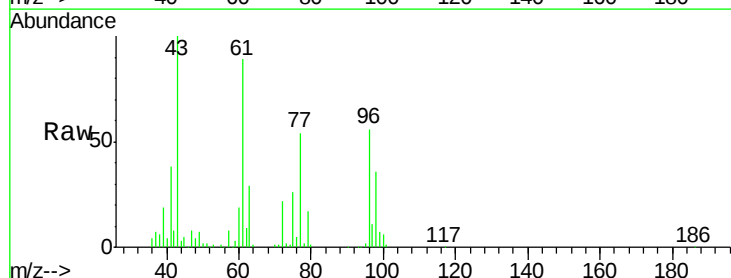
Manual Integrations
APPROVED

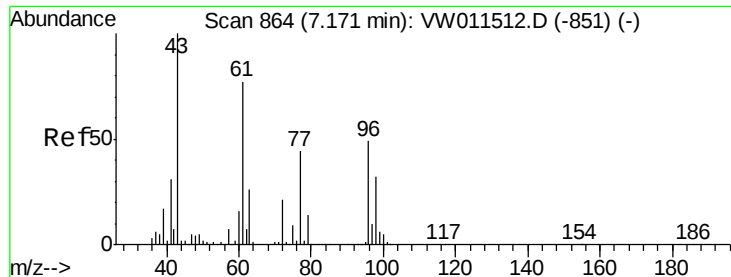
MMDadoda
8/8/2019 9:30:45 AM



#26
2,2-Dichloropropane
Concen: 18.154 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion: 77 Resp: 53847
Ion Ratio Lower Upper
77 100
97 20.4 10.8 32.4





#27

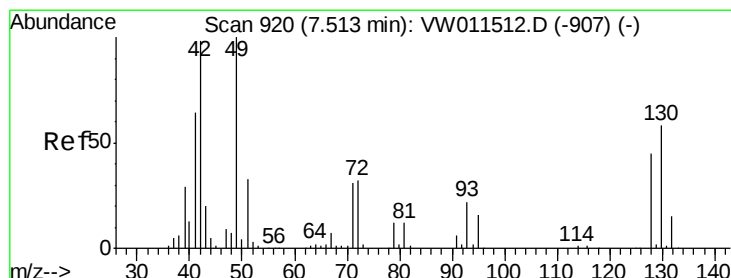
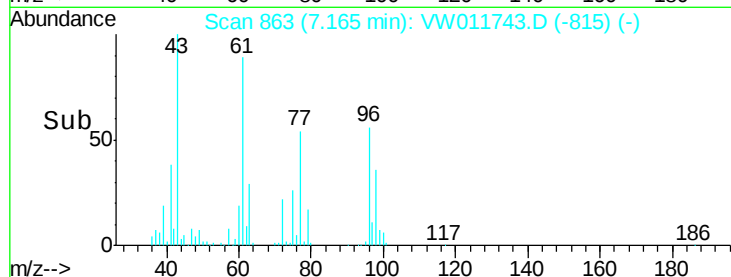
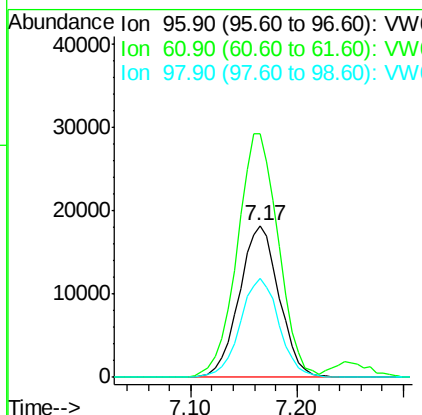
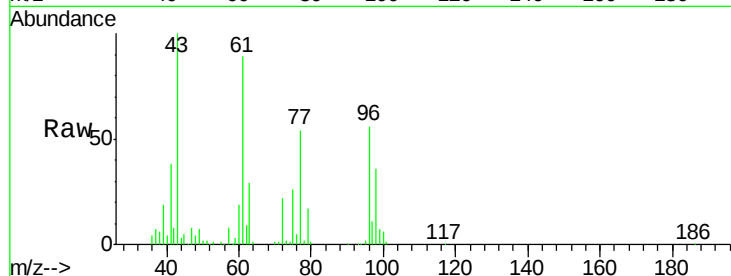
cis-1,2-Dichloroethene
Concen: 17.904 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	328.4
98	63.9	0.0	128.8

Manual Integrations
APPROVED

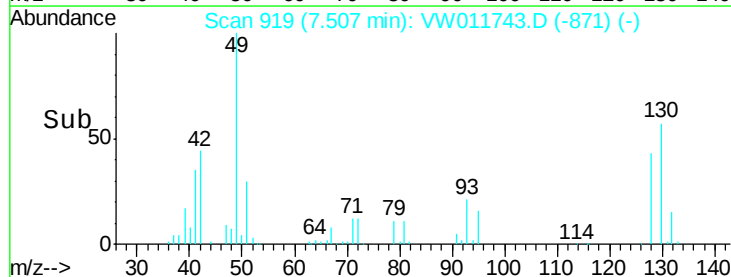
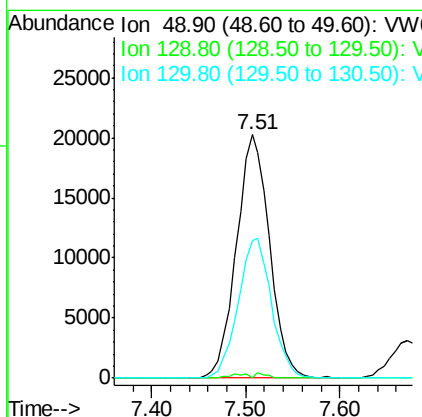
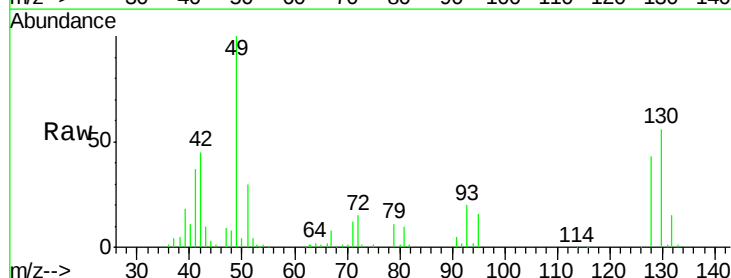
MMDadoda
8/8/2019 9:30:45 AM

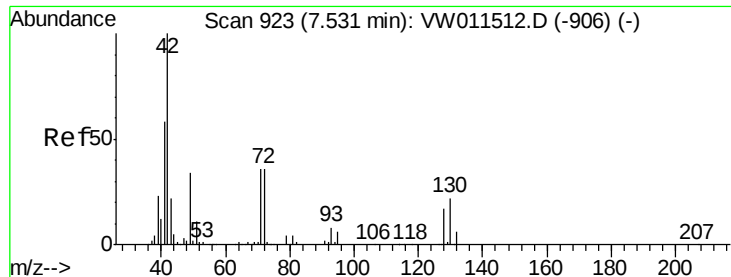


#28

Bromochloromethane
Concen: 23.204 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.0
130	57.8	46.3	69.5





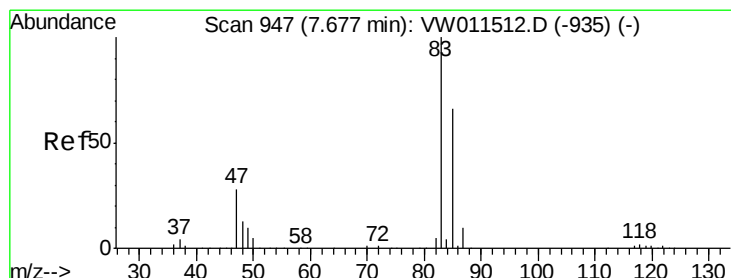
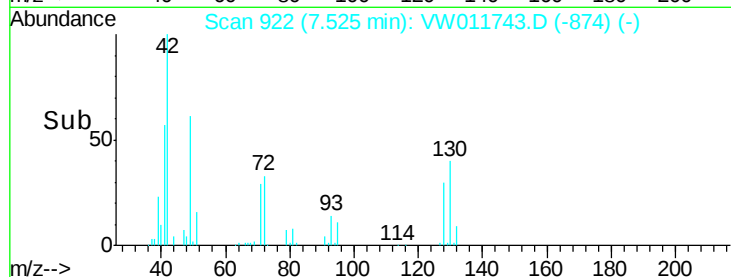
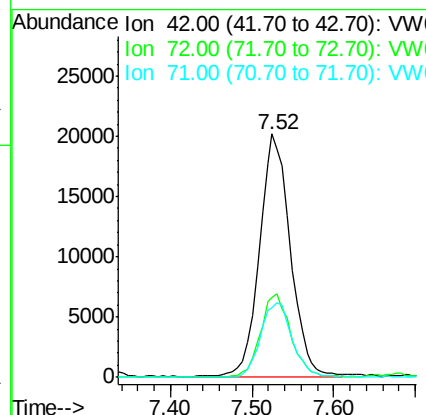
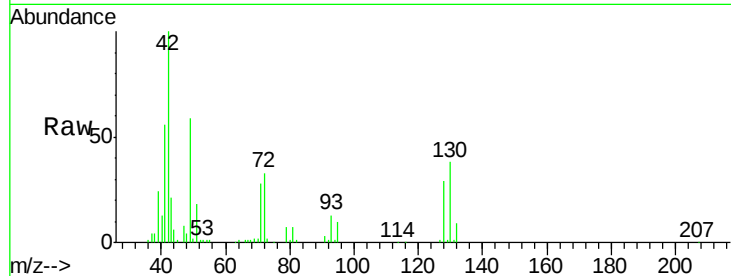
#29
Tetrahydrofuran
Concen: 91.155 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.1	40.7
71	31.4	26.2	39.4

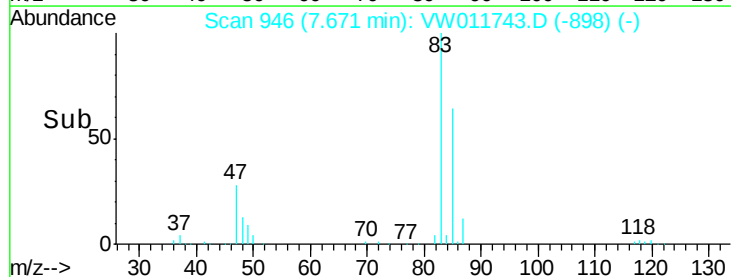
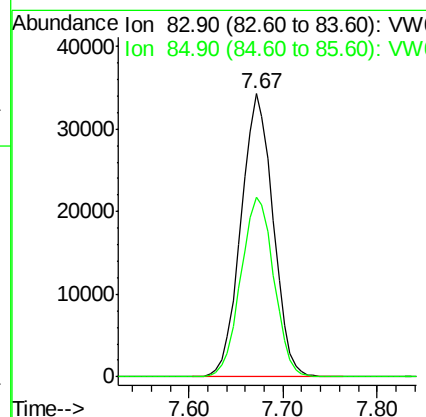
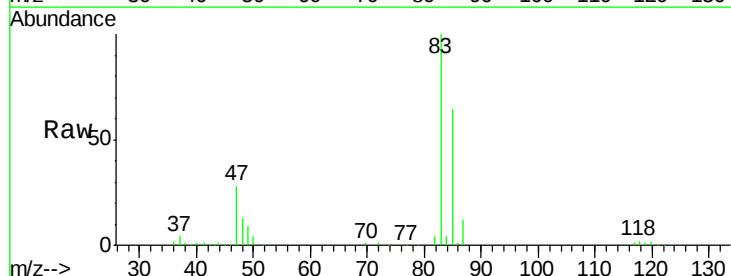
Manual Integrations
APPROVED

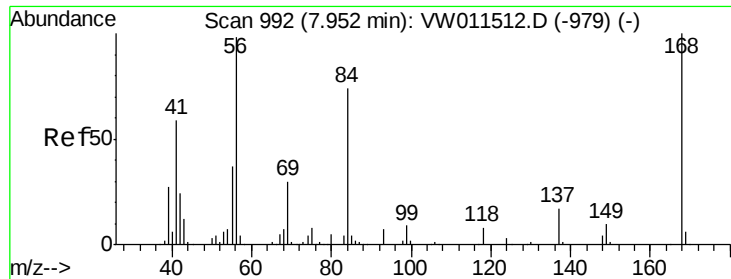
MMDadoda
8/8/2019 9:30:45 AM



#30
Chloroform
Concen: 18.256 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.5	78.7





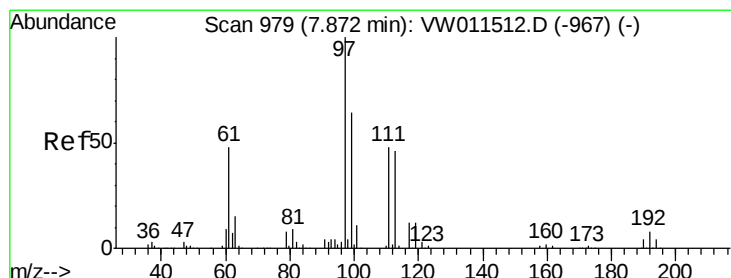
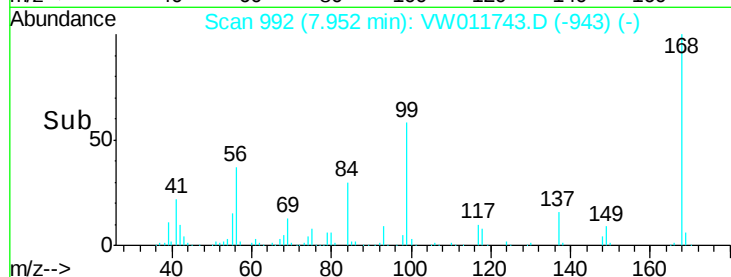
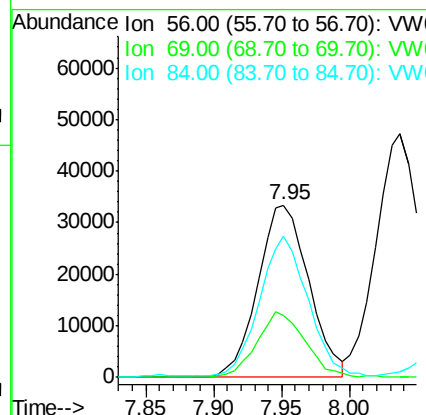
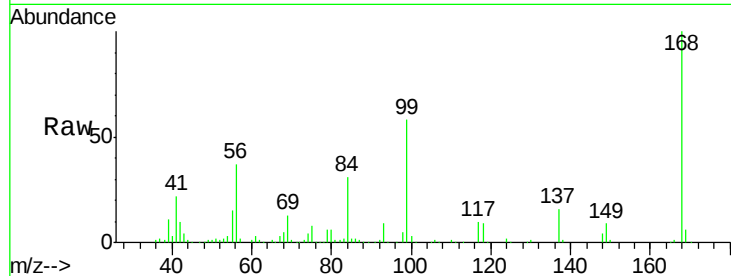
#31
Cyclohexane
Concen: 18.859 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	24.3	36.5
84	80.9	60.4	90.6

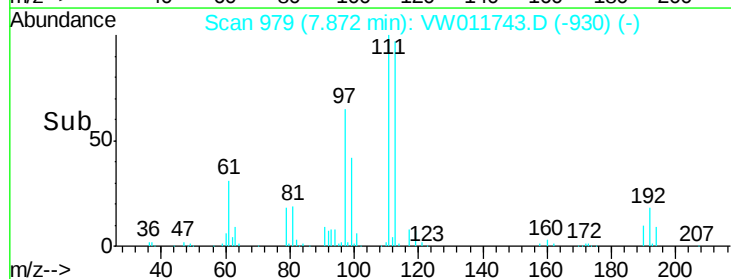
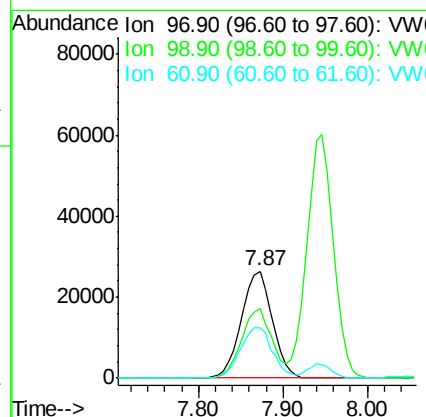
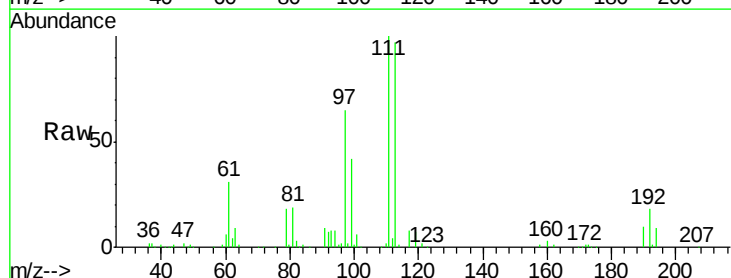
Manual Integrations
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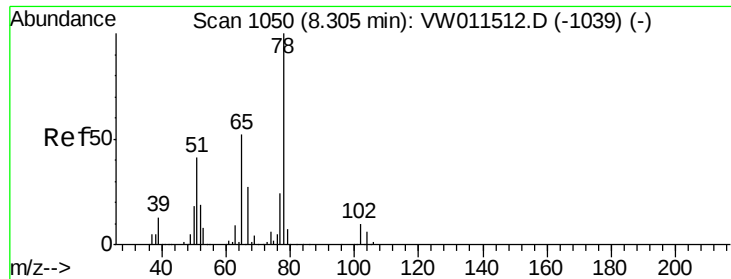
MMDadoda
8/8/2019 9:30:45 AM



#32
1,1,1-Trichloroethane
Concen: 19.268 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	49.5	39.8	59.6





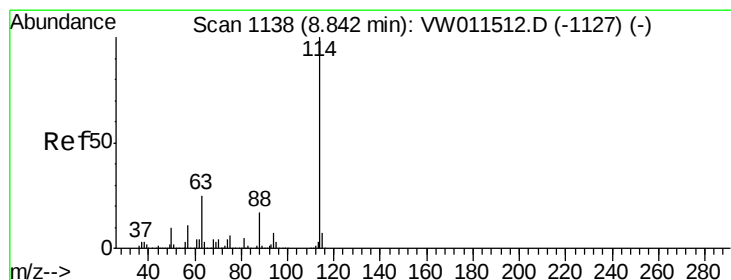
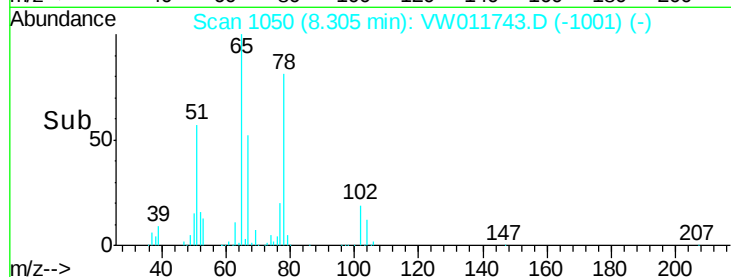
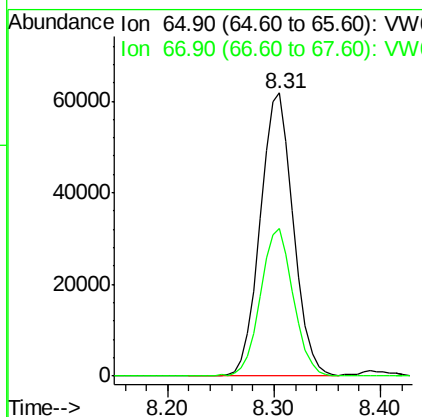
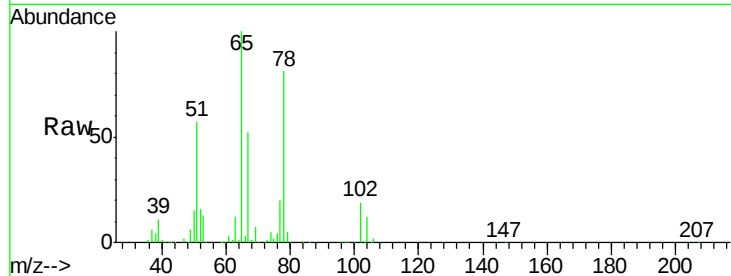
#33
 1,2-Dichloroethane-d4
 Concen: 54.168 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134123		
67	51.9	0.0	105.2	

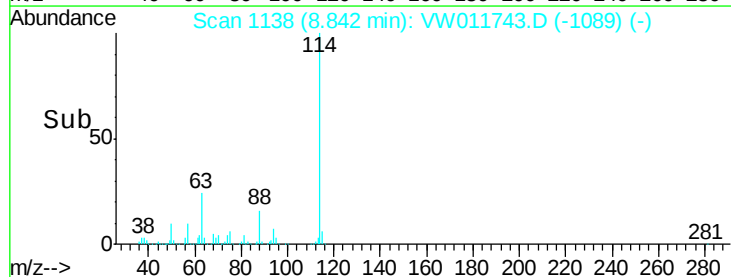
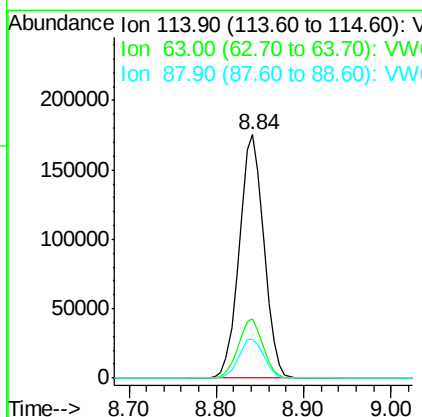
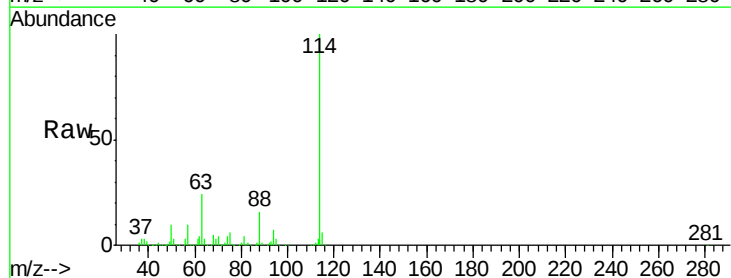
Manual Integrations
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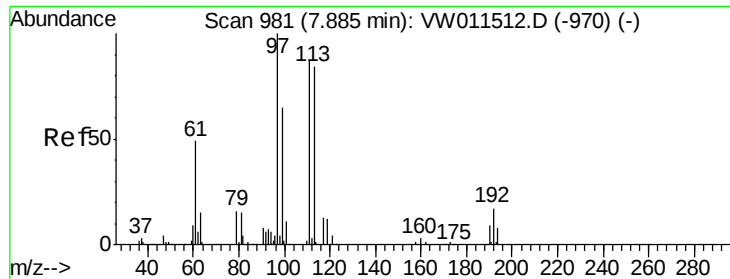
MMDadoda
 8/8/2019 9:30:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	341763		
63	24.2	0.0	49.2	
88	16.2	0.0	33.8	





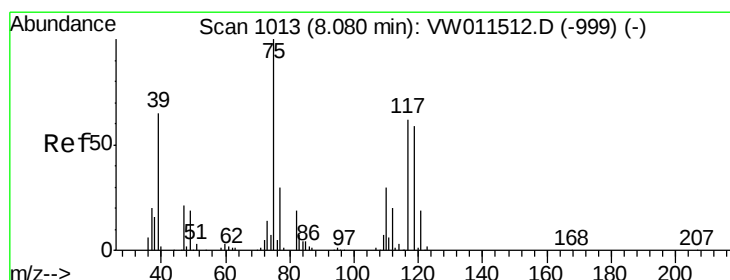
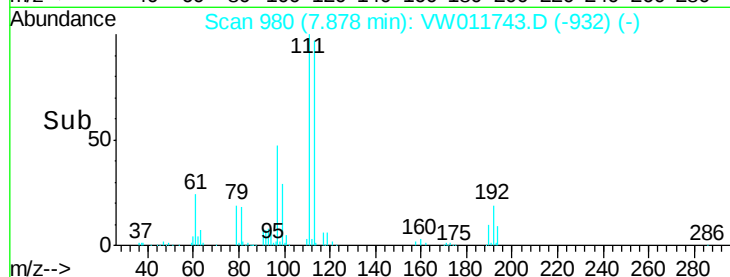
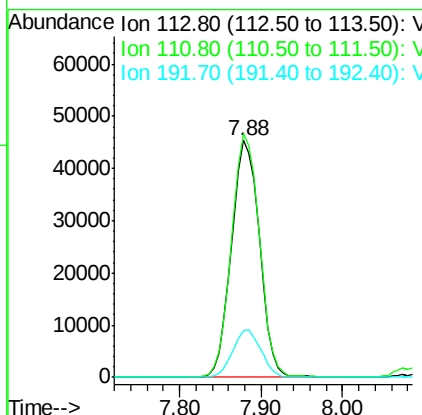
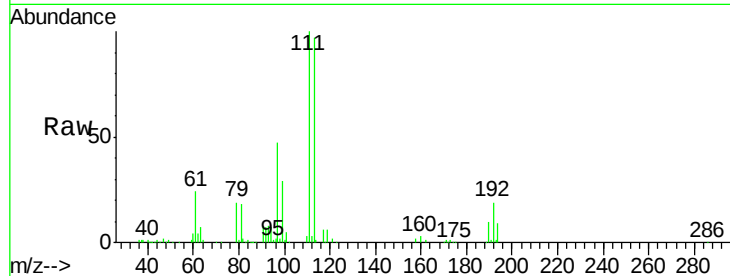
#35
 Dibromofluoromethane
 Concen: 56.132 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	82.7	124.1	
192	20.2	16.1	24.1	

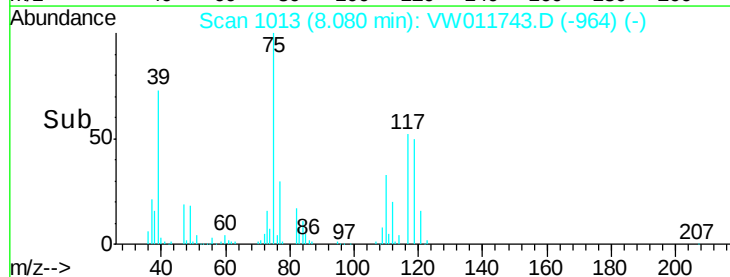
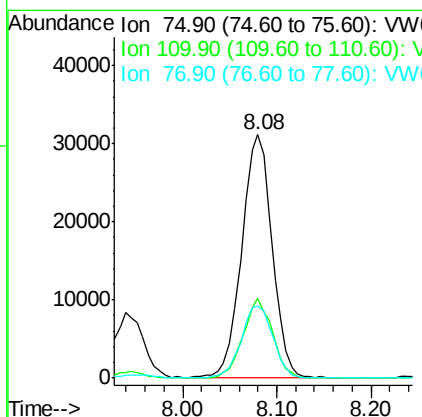
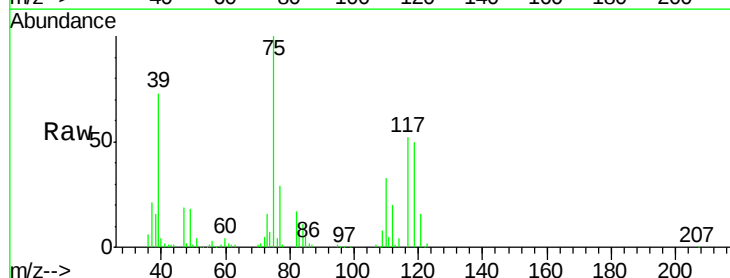
Manual Integrations
 APPROVED

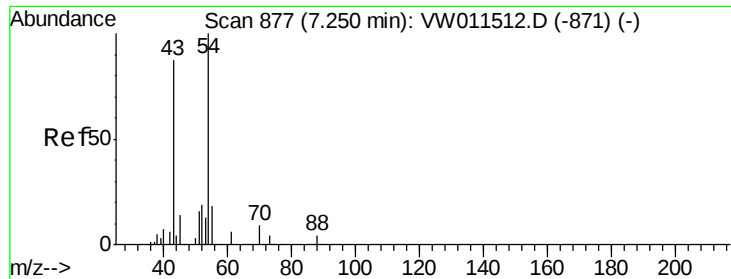
MMDadoda
 8/8/2019 9:30:45 AM



#36
 1,1-Dichloropropene
 Concen: 19.703 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.6	15.6	46.8	
77	31.0	24.3	36.5	





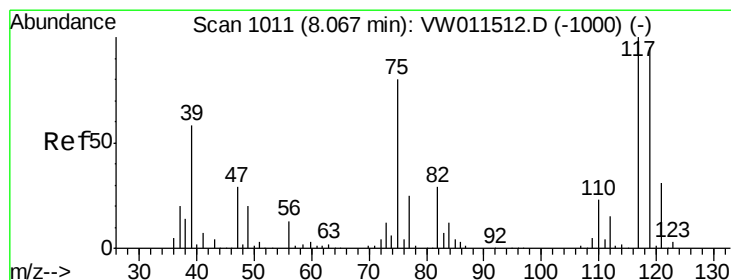
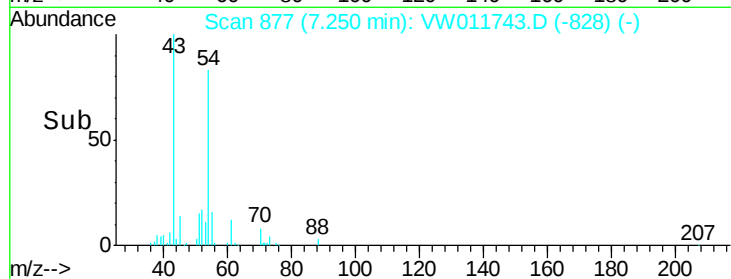
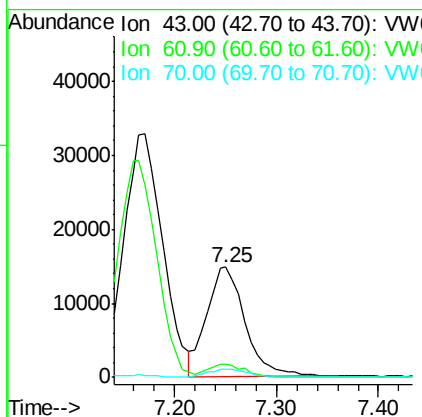
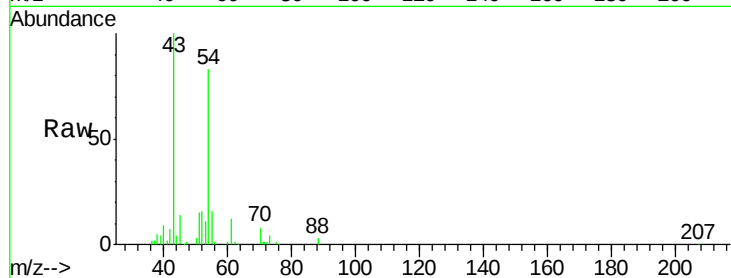
#37
Ethyl Acetate
Concen: 19.068 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	11.7	8.8	13.2	
70	8.1	7.1	10.7	

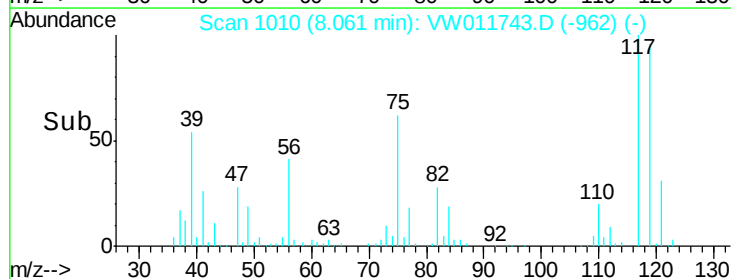
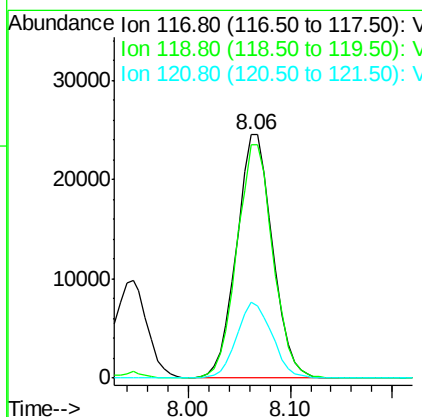
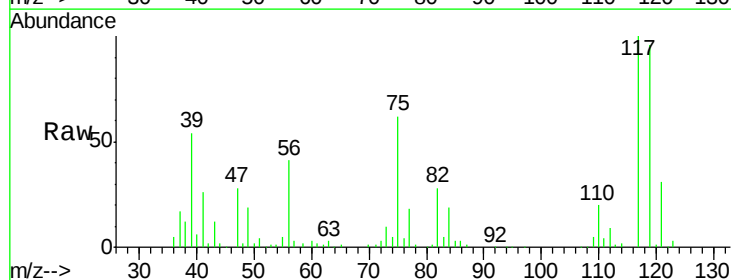
Manual Integrations
APPROVED

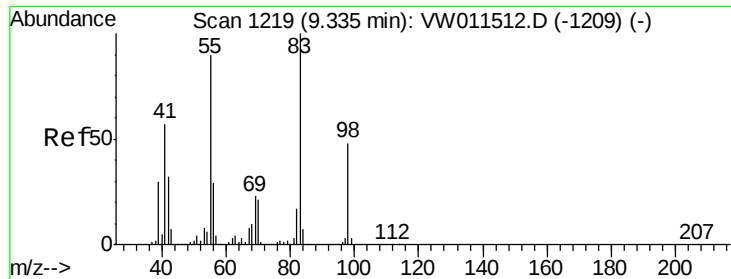
MMDadoda
8/8/2019 9:30:45 AM



#38
Carbon Tetrachloride
Concen: 19.776 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.7	75.8	113.6	
121	31.0	24.7	37.1	





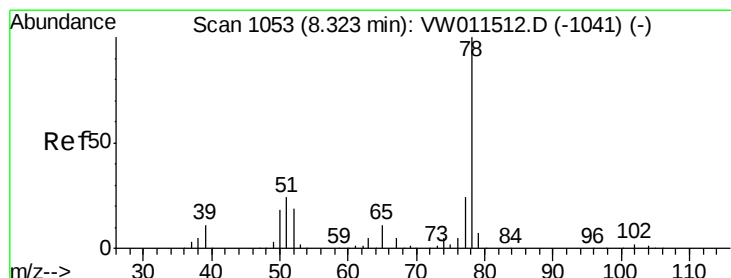
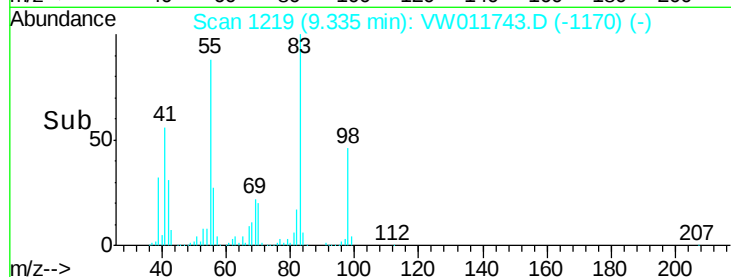
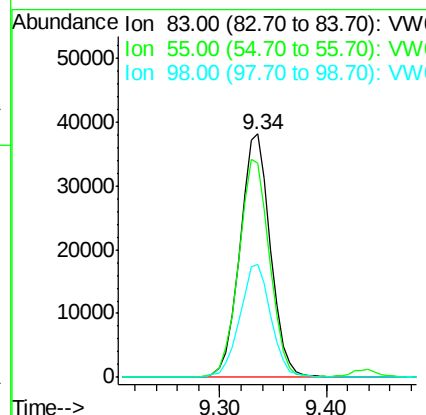
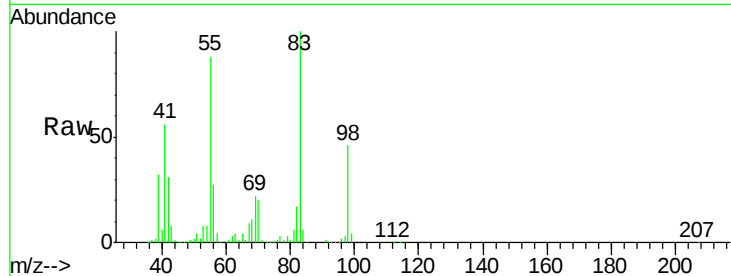
#39
Methvlcvclohexane
Concen: 19.605 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.8	72.1	108.1
98	46.5	38.6	57.8

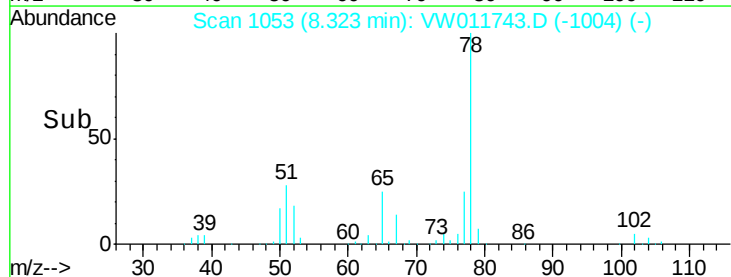
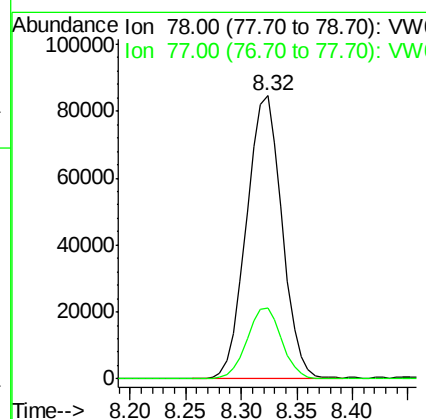
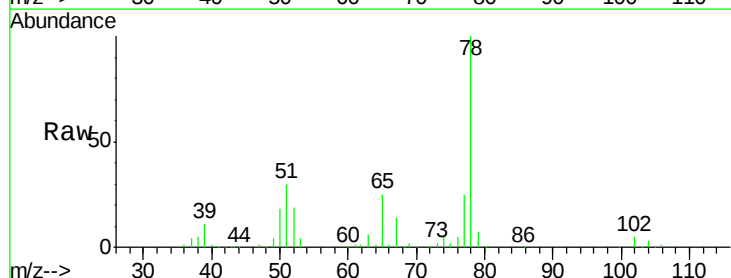
Manual Integrations
APPROVED

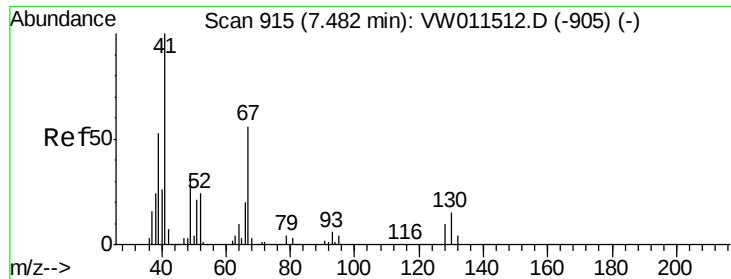
MMDadoda
8/8/2019 9:30:45 AM



#40
Benzene
Concen: 18.911 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.4	29.0





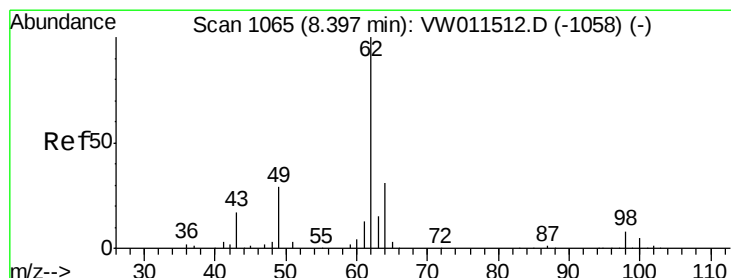
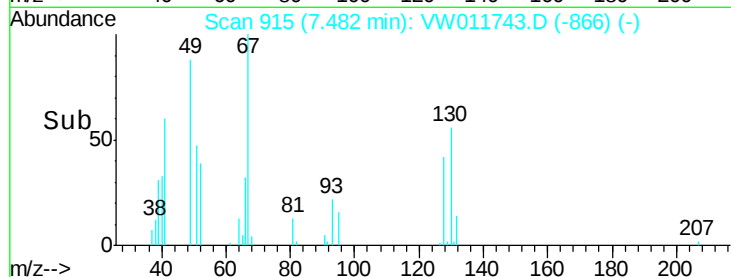
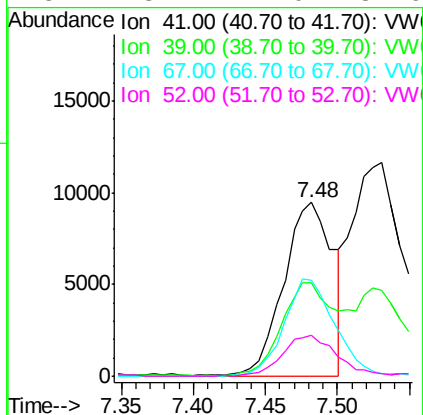
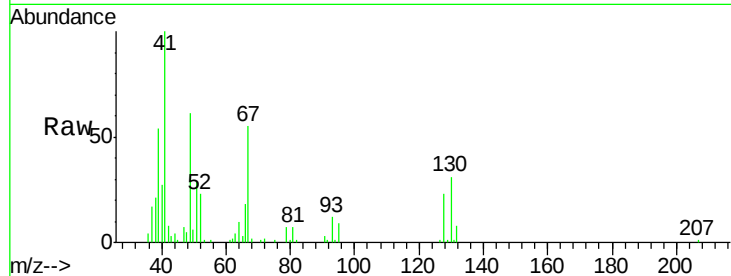
#41
Methacrylonitrile
Concen: 18.587 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.0	64.4
67	58.0	47.5	71.3
52	25.7	21.0	31.6

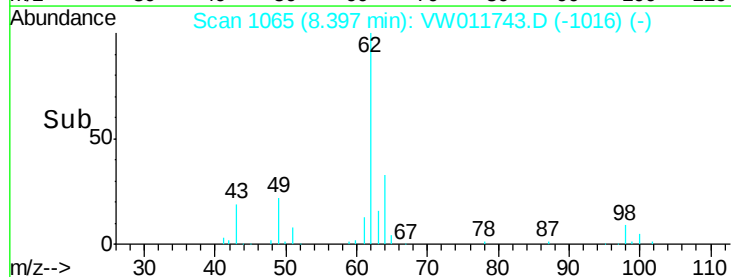
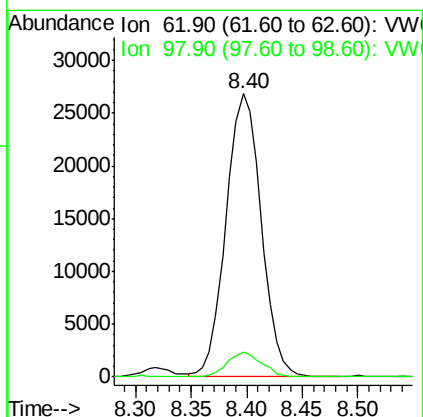
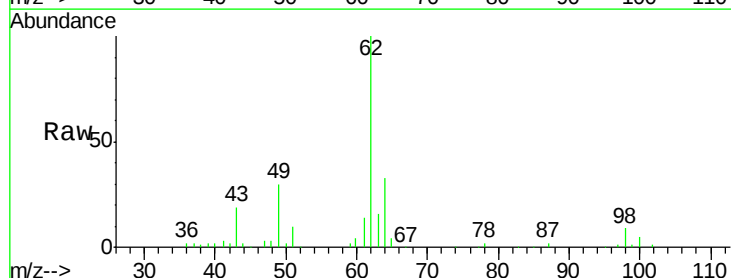
Manual Integrations
APPROVED

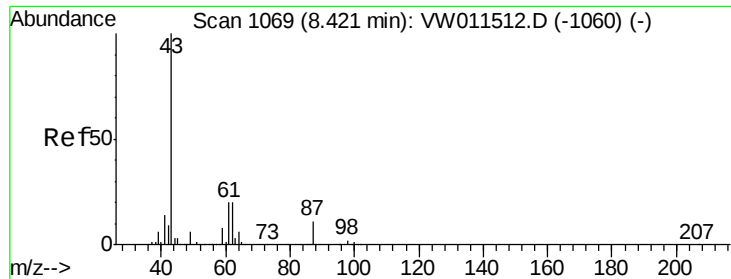
MMDadoda
8/8/2019 9:30:45 AM



#42
1,2-Dichloroethane
Concen: 18.922 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





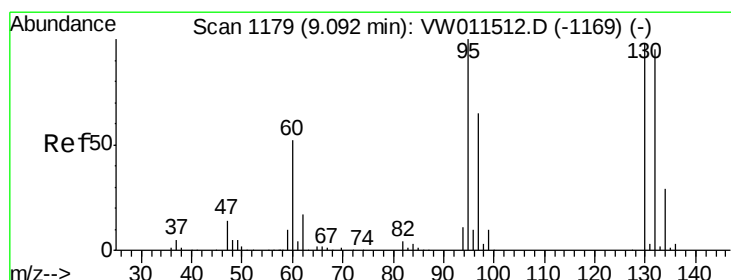
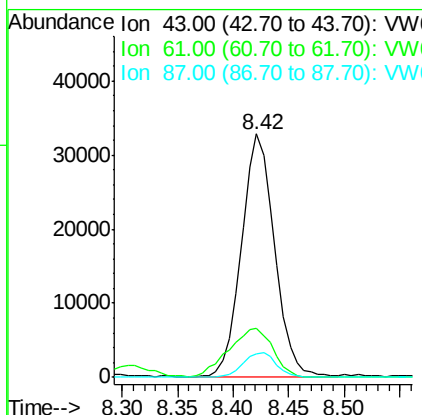
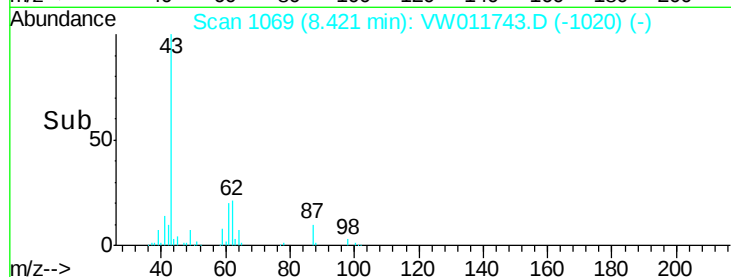
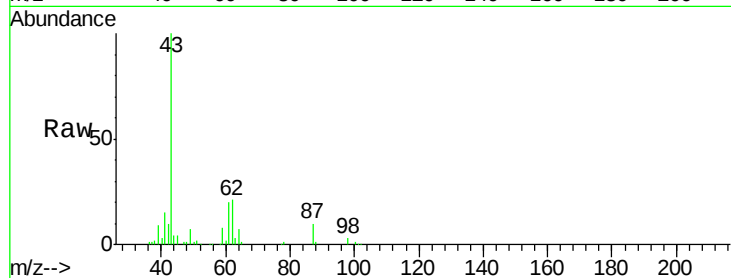
#43
Isopropyl Acetate
Concen: 18.148 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.5	32.3
87	10.4	8.4	12.6

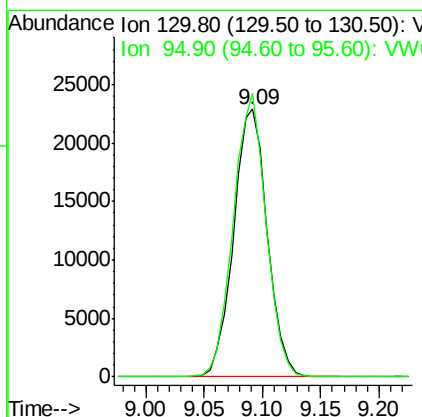
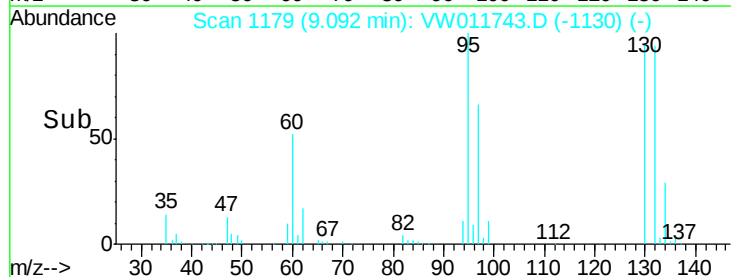
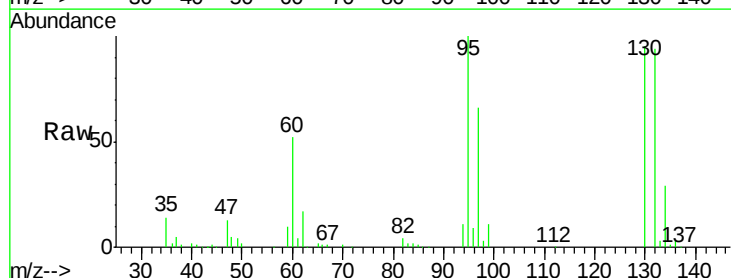
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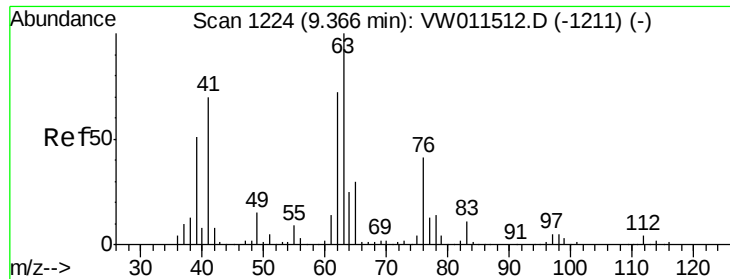
MMDadoda
8/8/2019 9:30:45 AM



#44
Trichloroethene
Concen: 19.217 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	204.8





#45

1,2-Dichloropropane

Concen: 18.595 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0808SBS01

Tot Ion: 63 Resp: 49526

Ion Ratio Lower Upper

63 100

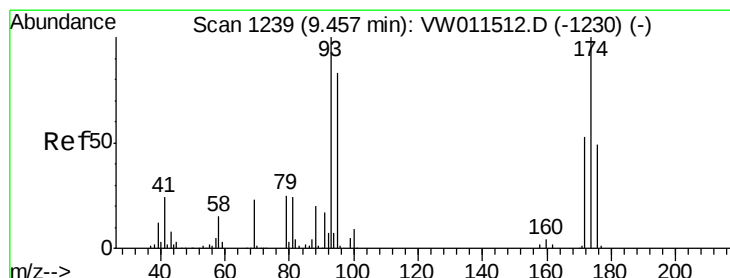
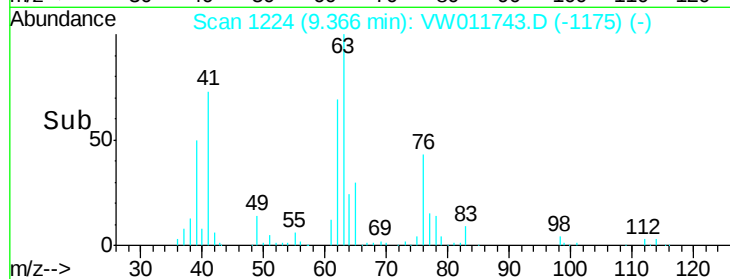
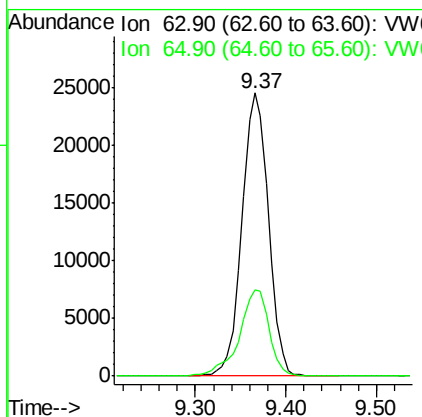
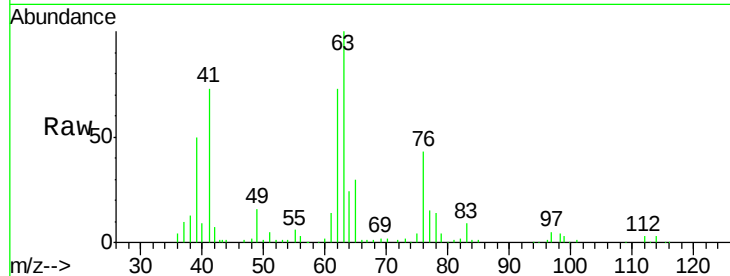
65 30.3 24.2 36.4

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MMDadoda

8/8/2019 9:30:45 AM



#46

Dibromomethane

Concen: 18.456 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

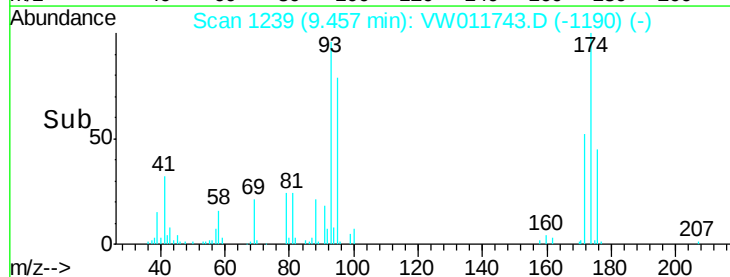
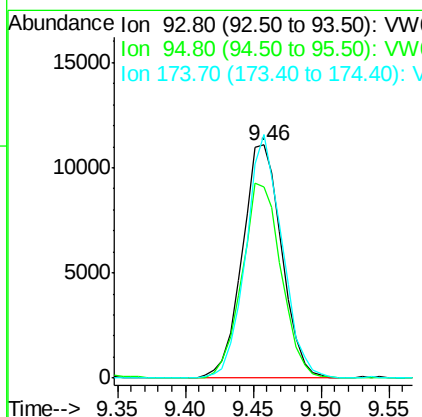
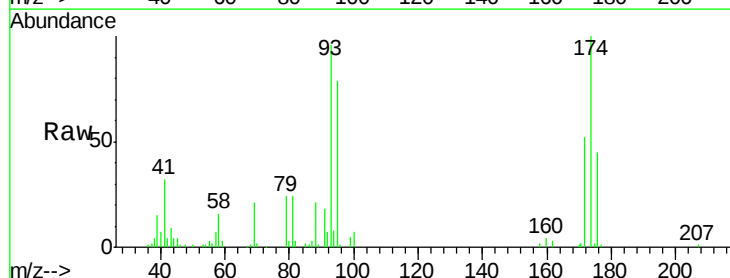
Tgt Ion: 93 Resp: 22436

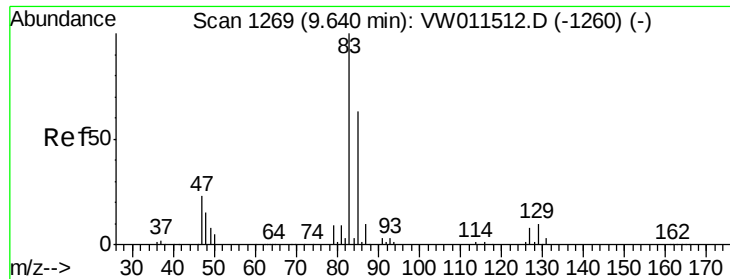
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.2

174 96.1 78.2 117.4





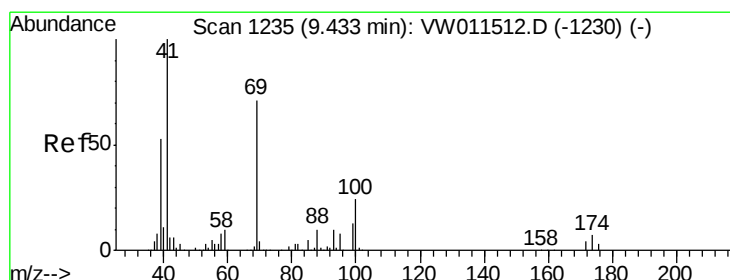
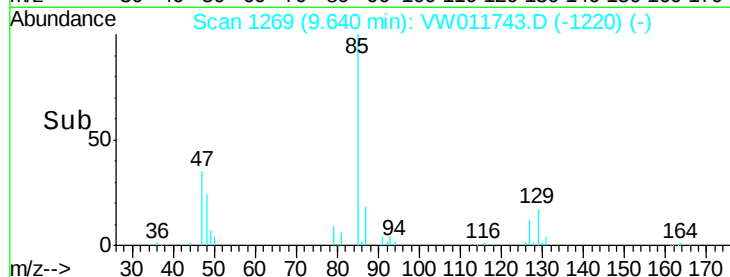
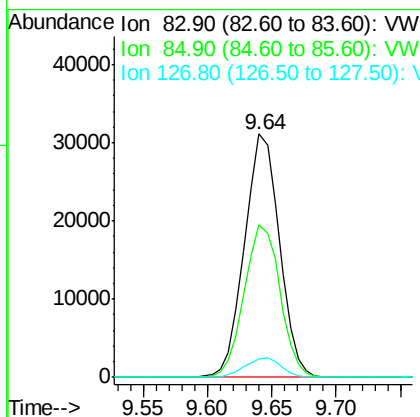
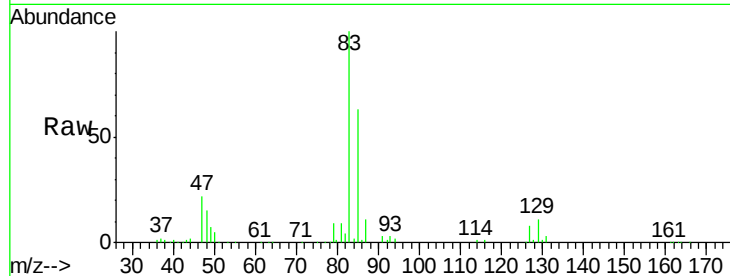
#47
Bromodichloromethane
Concen: 18.366 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	58563		
85	62.8	50.5	75.7	
127	7.5	6.4	9.6	

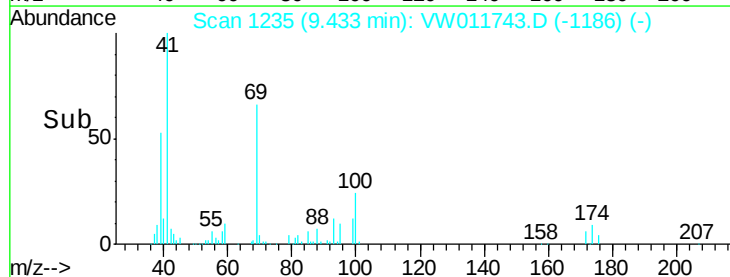
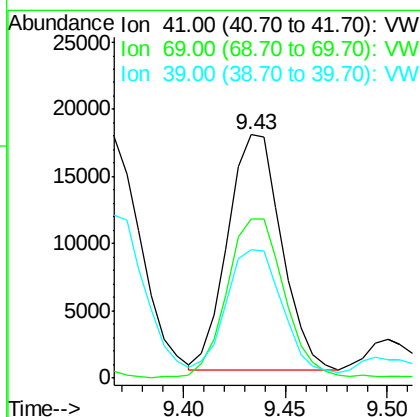
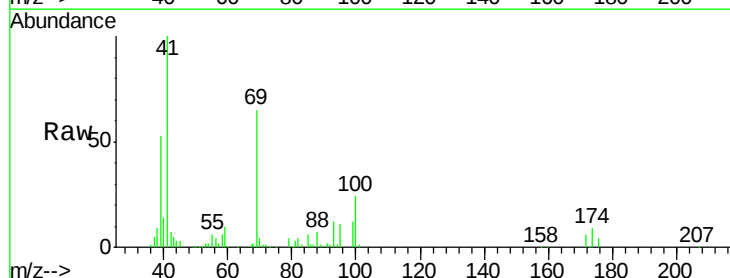
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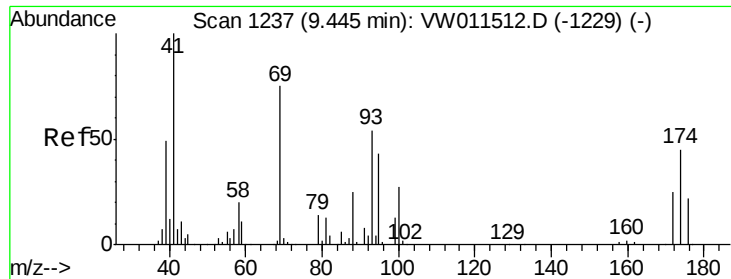
MMDadoda
8/8/2019 9:30:45 AM



#48
Methyl methacrylate
Concen: 17.727 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	32018		
69	71.2	57.1	85.7	
39	53.5	45.4	68.2	





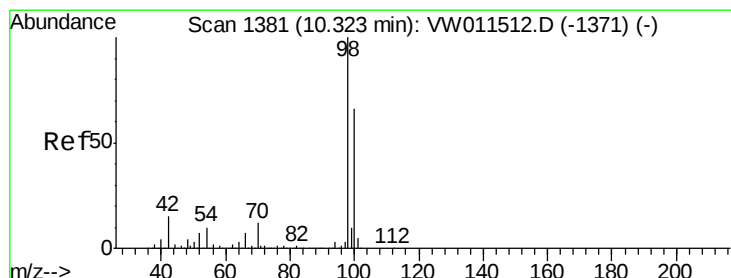
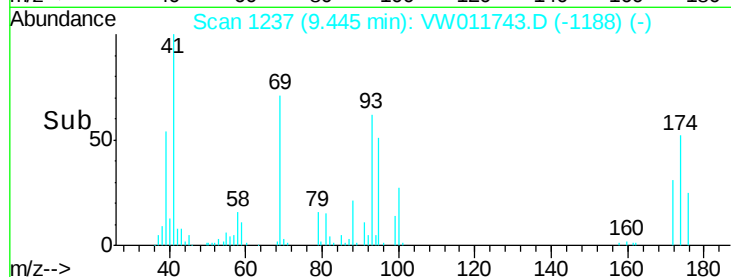
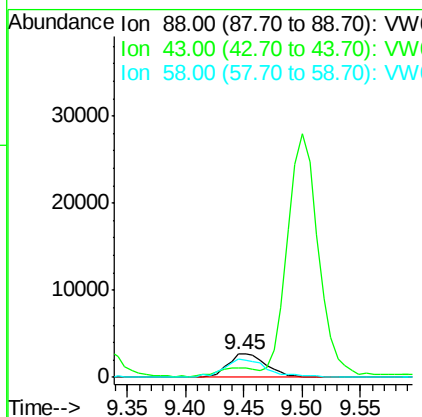
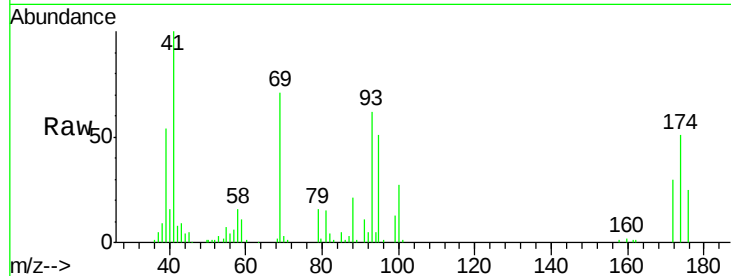
#49
 1,4-Dioxane
 Concen: 354.345 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	88	Resp	6237
Ion	Ratio	Lower	Upper
88	100		
43	38.5	34.0	51.0
58	86.5	69.7	104.5

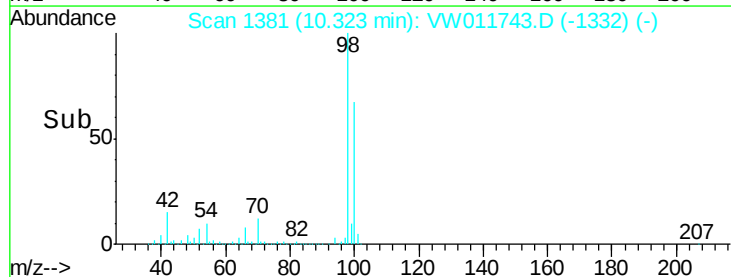
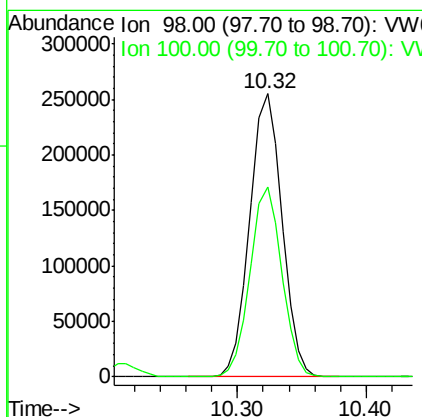
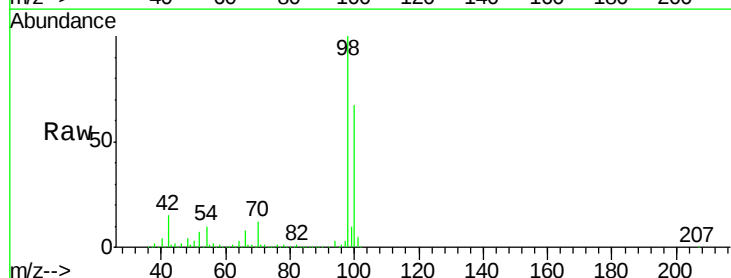
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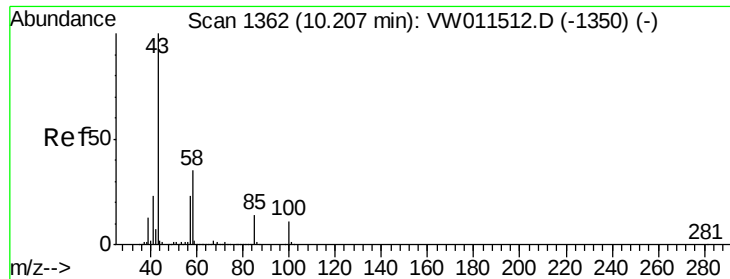
MMDadoda
 8/8/2019 9:30:45 AM



#50
 Toluene-d8
 Concen: 56.286 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion	98	Resp	441856
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1





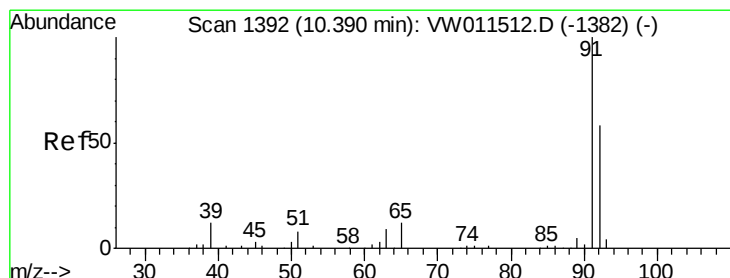
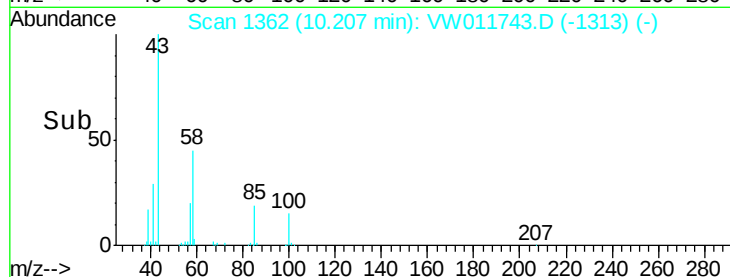
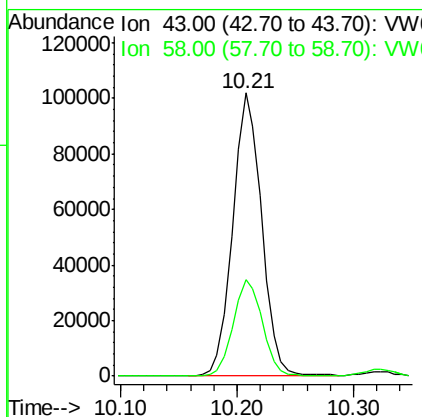
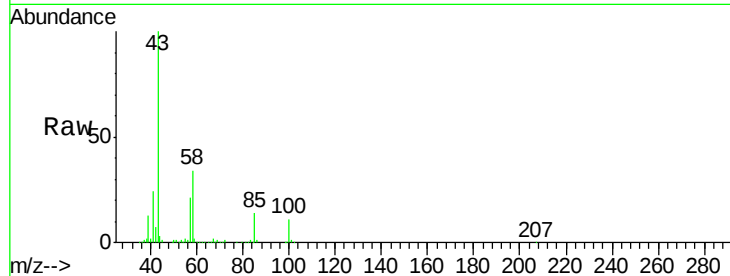
#51
4-Methyl-2-Pentanone
Concen: 89.966 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.2	42.2

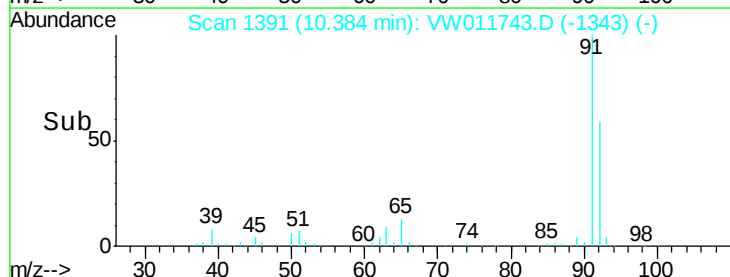
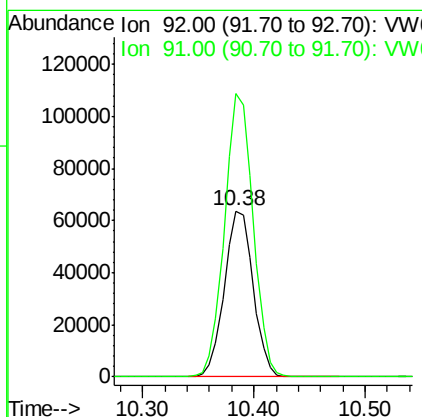
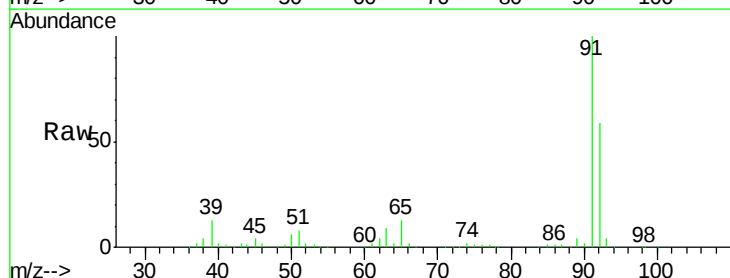
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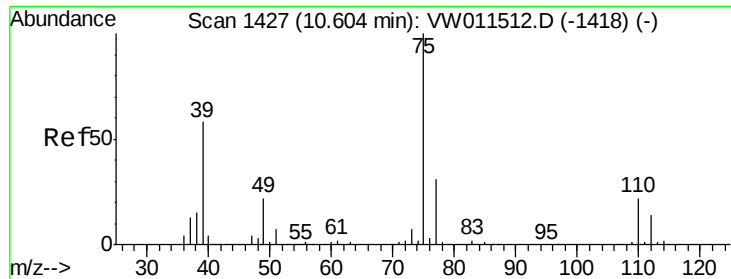
MMDadoda
8/8/2019 9:30:45 AM



#52
Toluene
Concen: 19.013 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.2	136.7	205.1





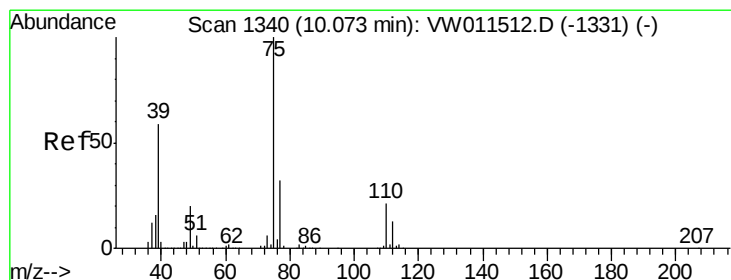
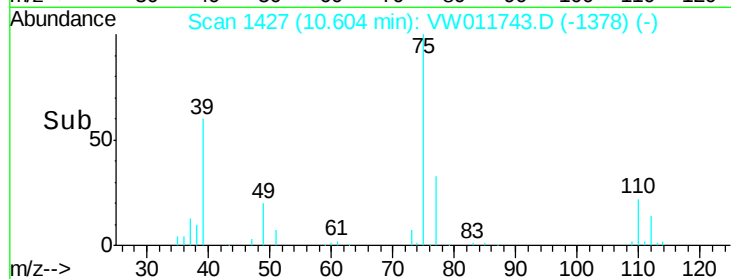
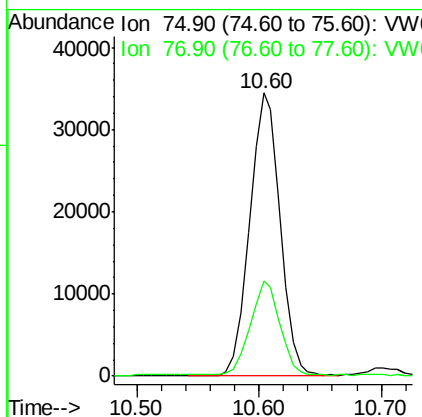
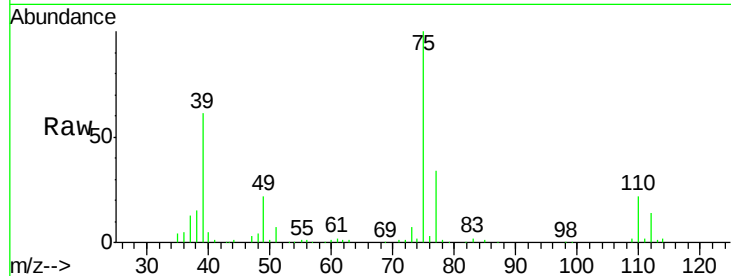
#53
t-1,3-Dichloropropene
Concen: 17.881 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	59562		
77	33.1	25.0	37.4	

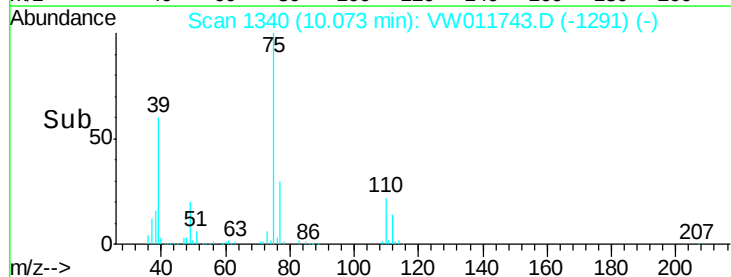
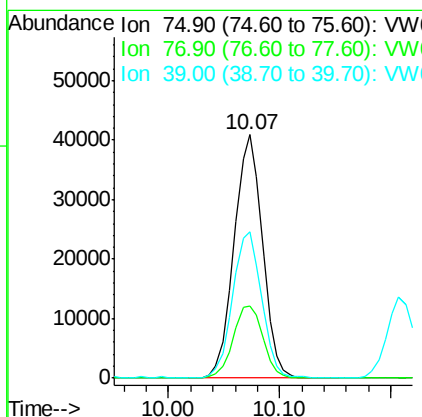
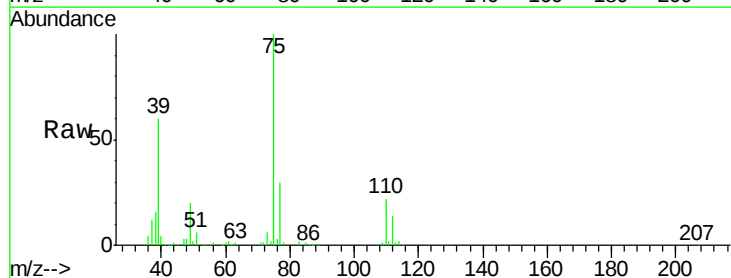
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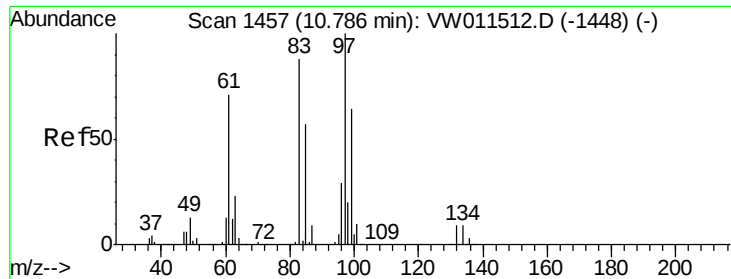
MMDadoda
8/8/2019 9:30:45 AM



#54
cis-1,3-Dichloropropene
Concen: 18.285 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	72420		
77	29.5	25.6	38.4	
39	59.7	47.0	70.4	





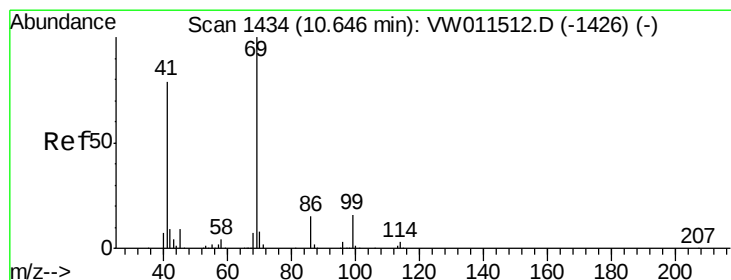
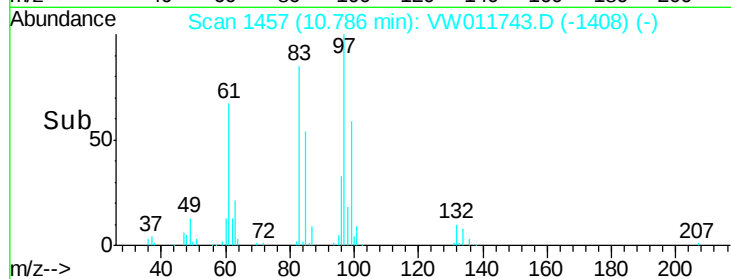
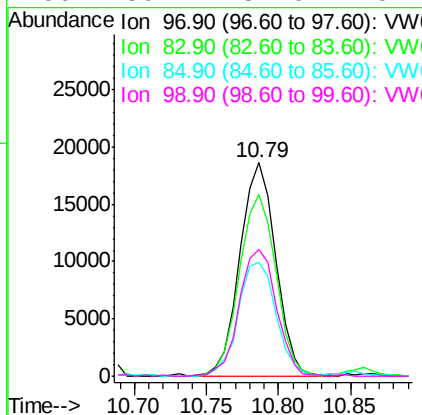
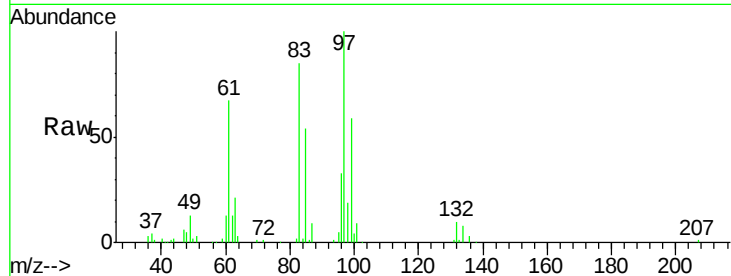
#55
 1,1,2-Trichloroethane
 Concen: 18.658 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
 MSVOA_W
 ClientSampled :
 VW0808SBS01

Tot Ion:	97	Resp:	32181
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.5	105.7
85	53.5	45.8	68.6
99	59.2	51.0	76.4

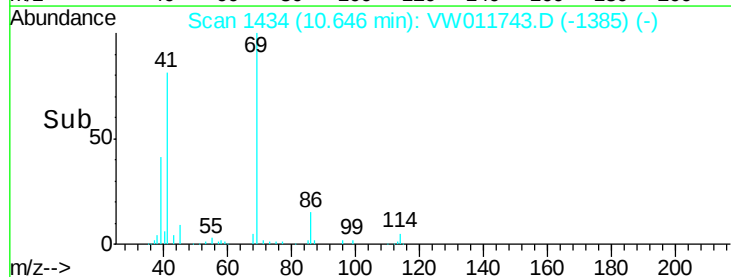
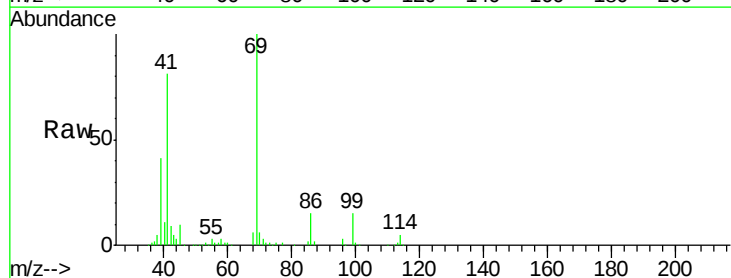
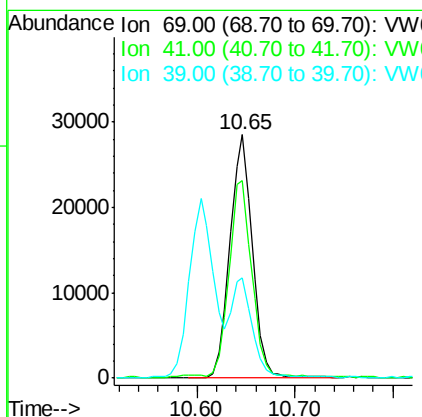
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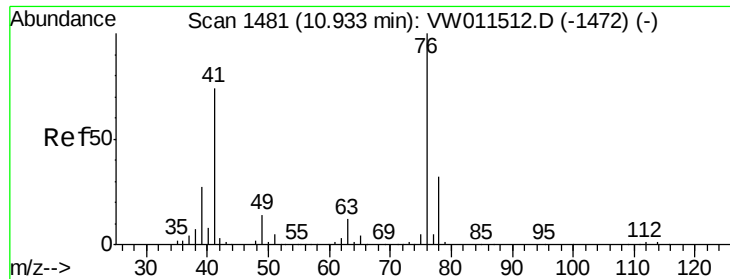
MMDadoda
 8/8/2019 9:30:45 AM



#56
 Ethyl methacrylate
 Concen: 17.995 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion:	69	Resp:	45418
Ion	Ratio	Lower	Upper
69	100		
41	81.2	66.6	99.8
39	37.7	30.3	45.5





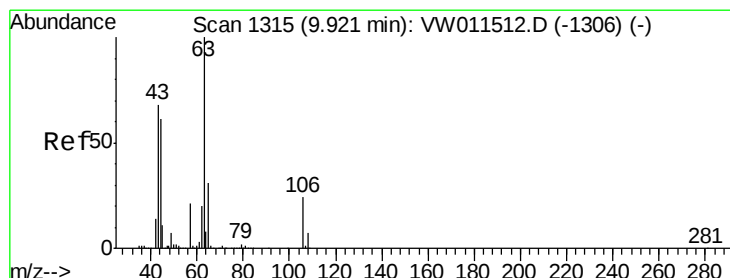
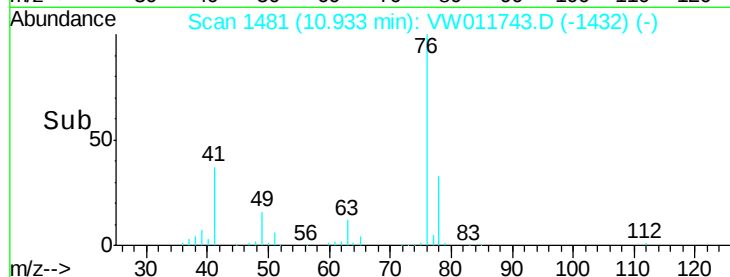
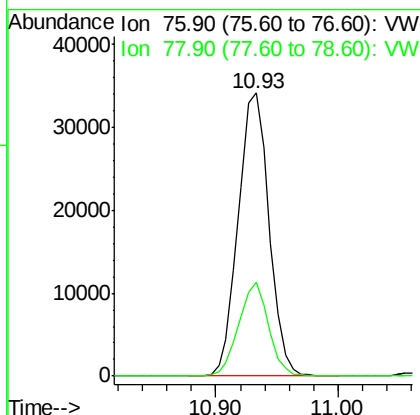
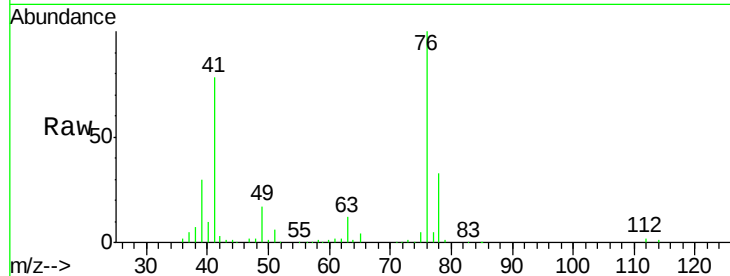
#57
 1,3-Dichloropropane
 Concen: 18.339 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.2	37.8

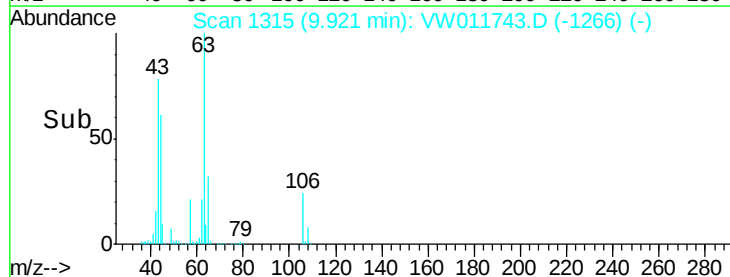
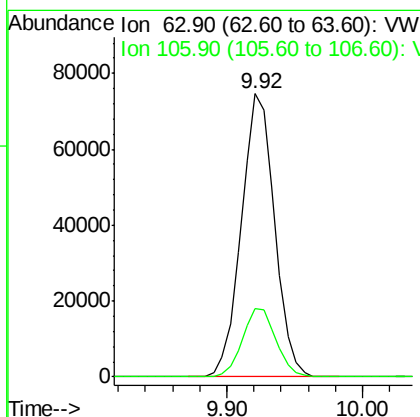
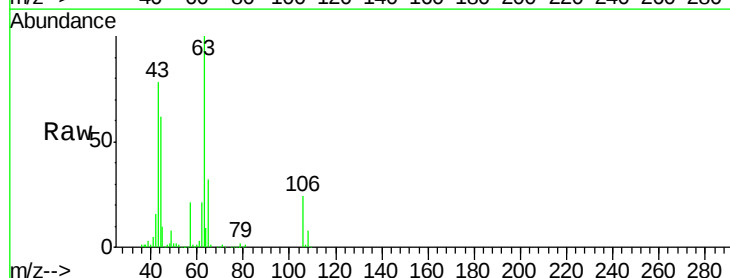
Manual Integrations
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MMDadoda
 8/8/2019 9:30:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.248 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.3	19.7	29.5





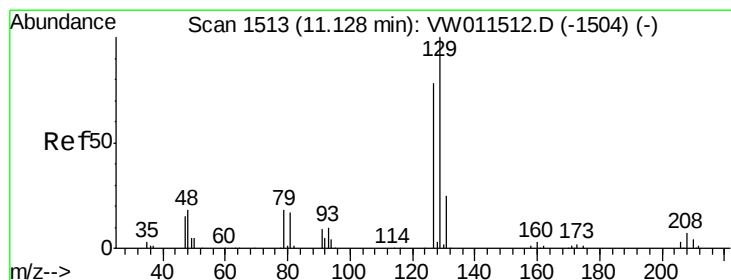
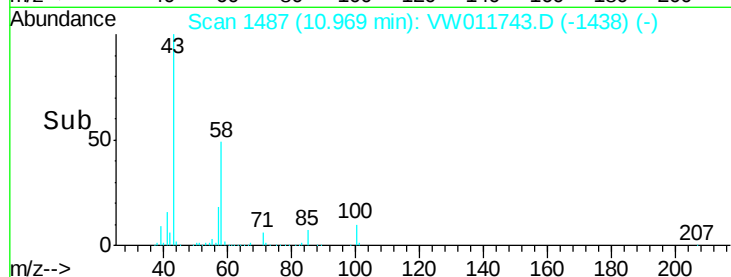
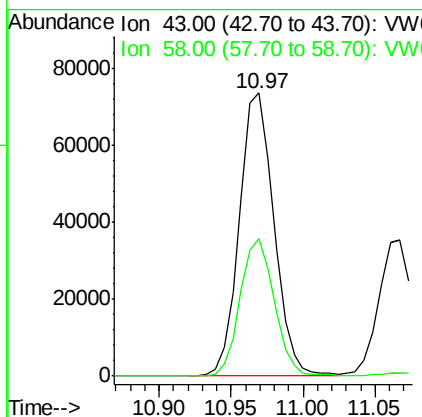
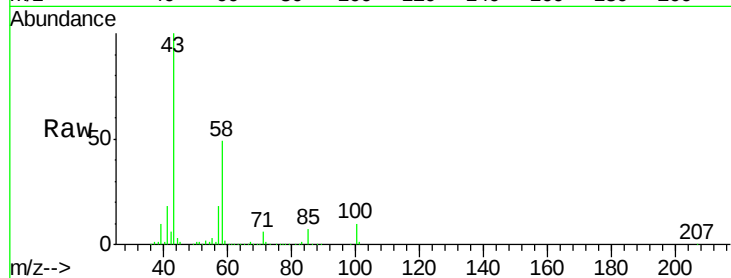
#59
2-Hexanone
Concen: 89.402 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.0	24.3	72.9

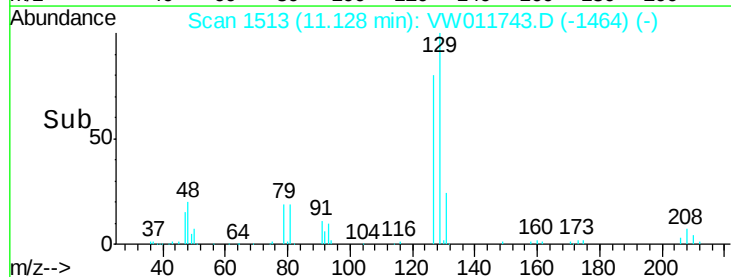
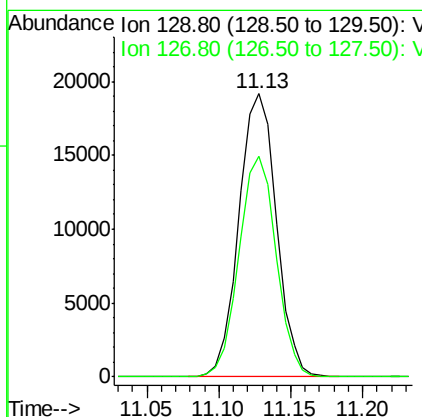
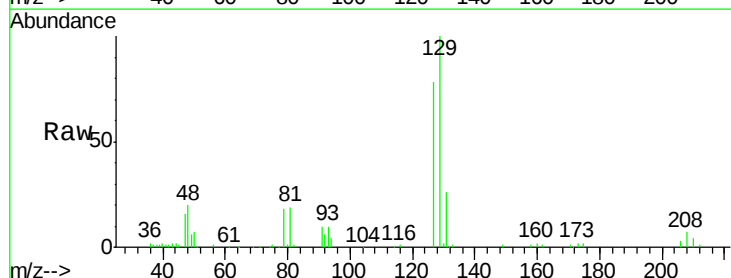
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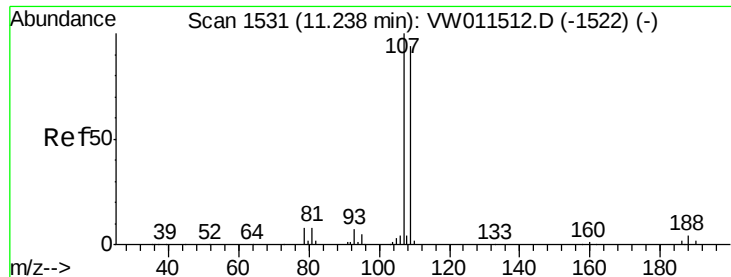
MMDadoda
8/8/2019 9:30:45 AM



#60
Dibromochloromethane
Concen: 18.070 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.9	116.7





#61

1,2-Dibromoethane

Concen: 18.393 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 107 Resp: 30022

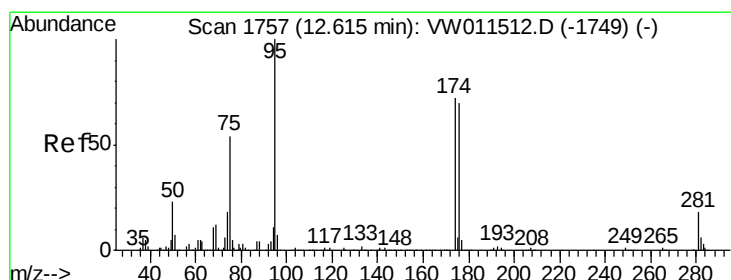
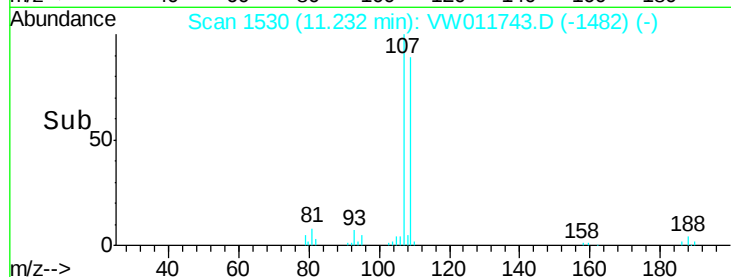
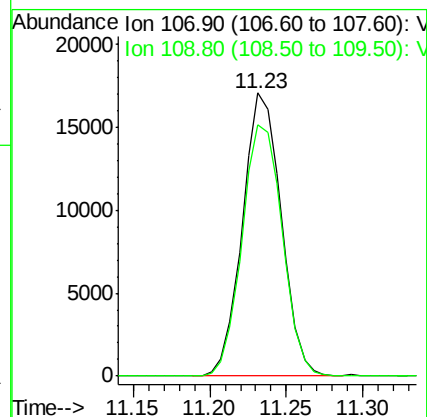
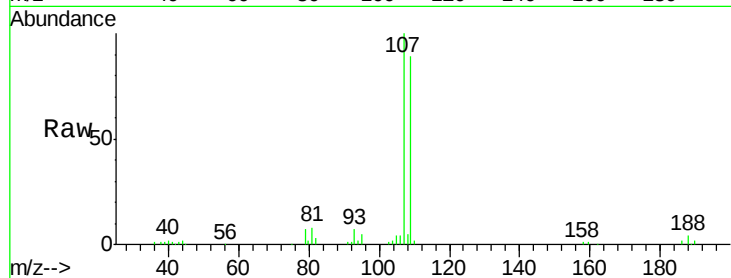
Ion Ratio Lower Upper

107 100

109 92.3 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 55.335 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

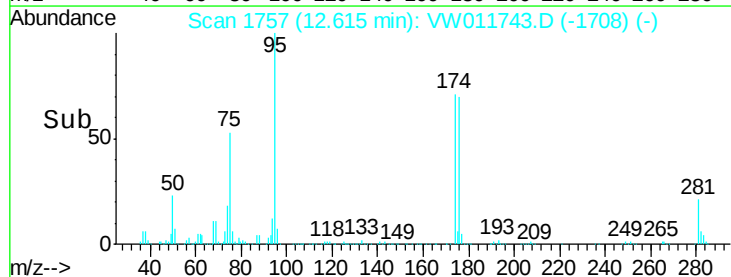
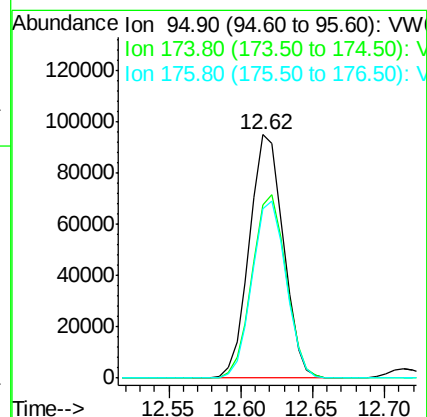
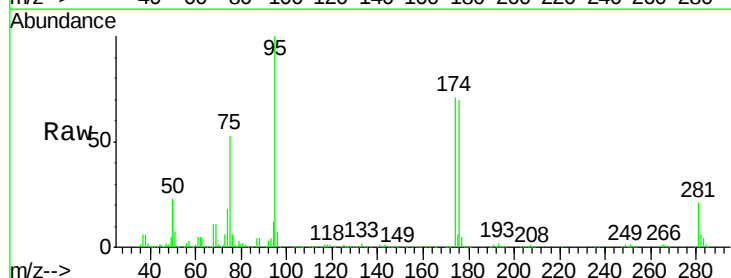
Tgt Ion: 95 Resp: 154868

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

176 72.6 0.0 144.4





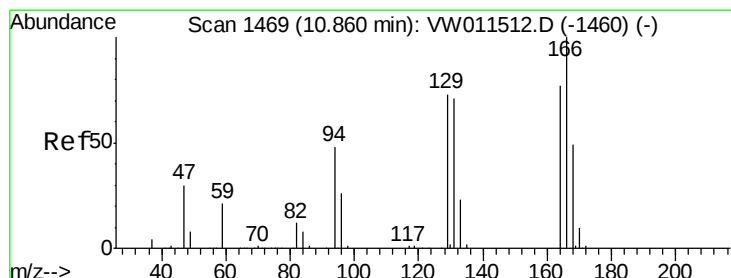
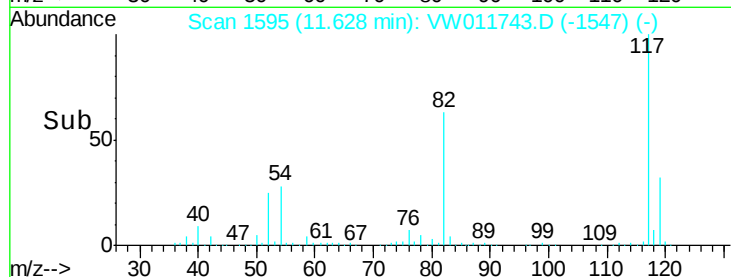
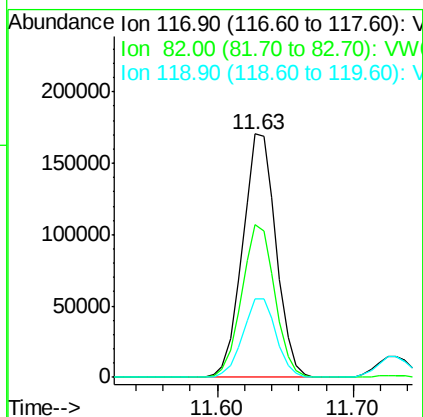
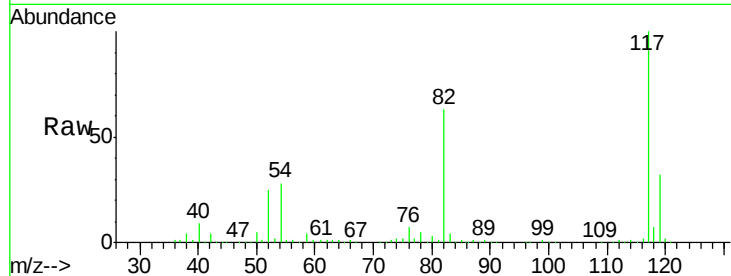
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292496		
82	62.8	47.9	71.9	
119	32.1	26.2	39.2	

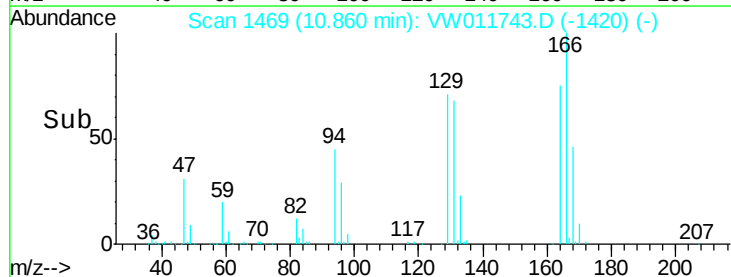
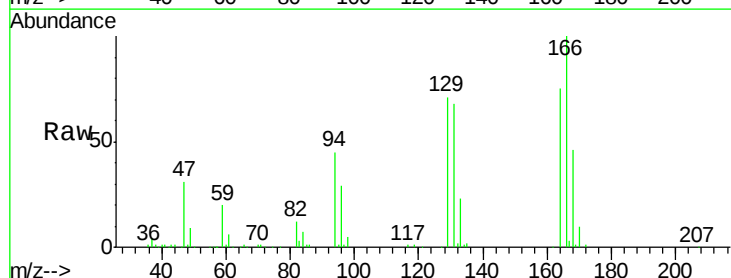
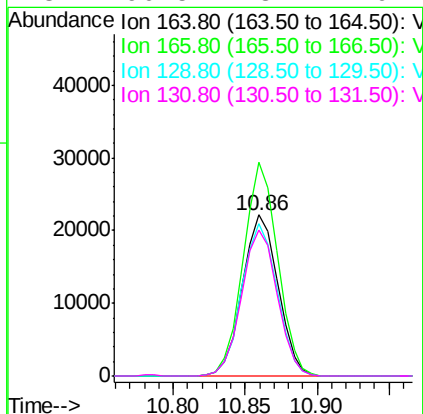
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#64
Tetrachloroethene
Concen: 19.938 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37972		
166	132.7	103.5	155.3	
129	94.4	75.2	112.8	
131	90.5	73.4	110.2	





#65

Chlorobenzene

Concen: 19.212 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion:112 Resp: 112978

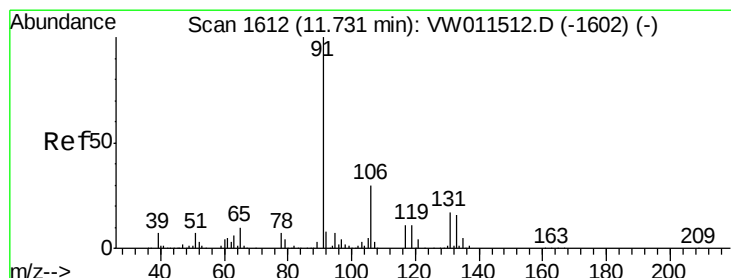
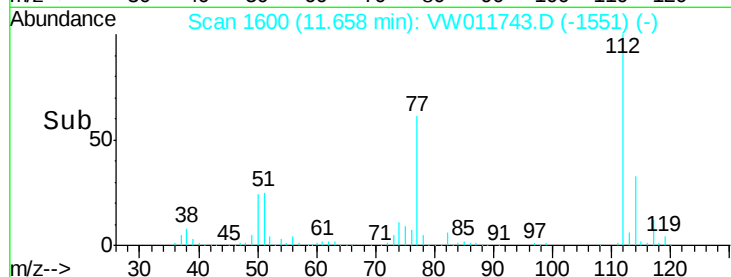
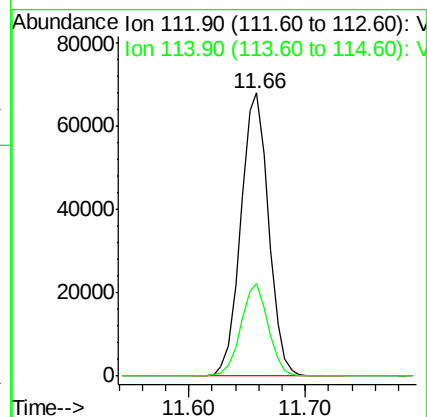
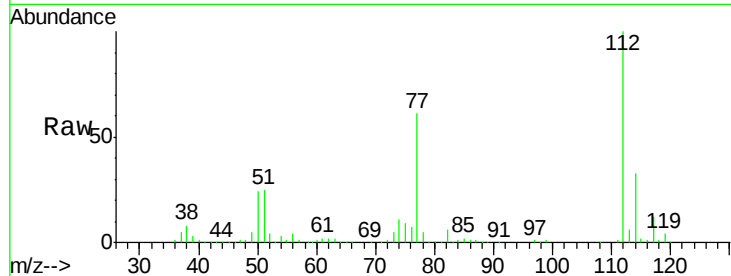
Ion Ratio Lower Upper

112 100

114 32.7 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.343 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

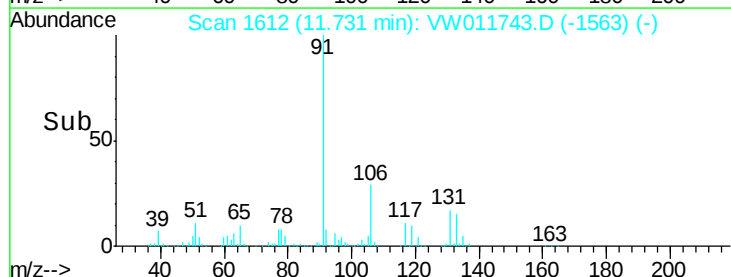
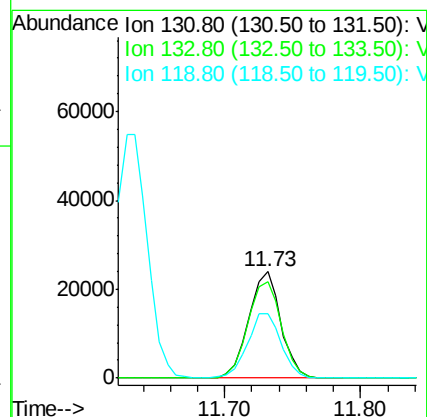
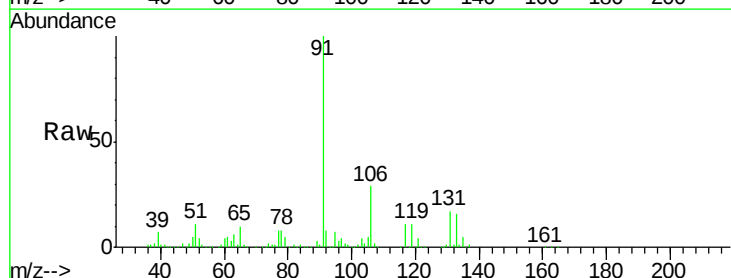
Tgt Ion:131 Resp: 39620

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.2

119 63.2 32.3 96.9





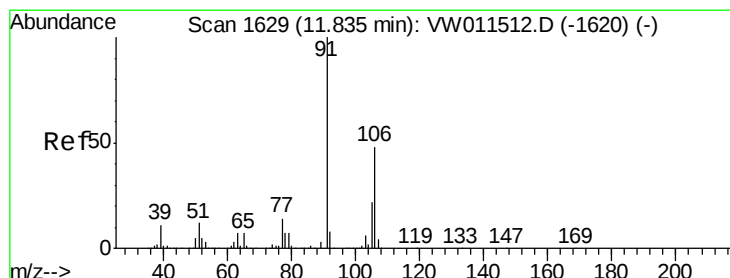
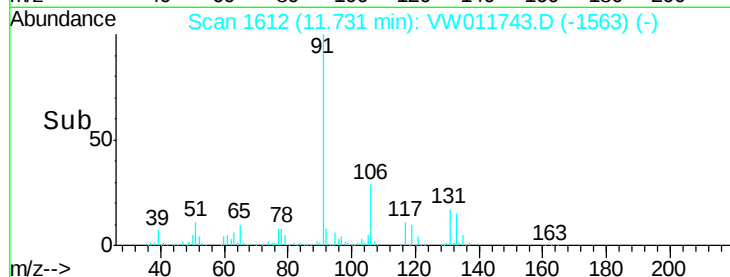
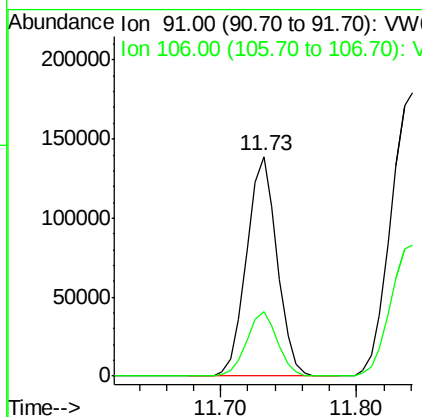
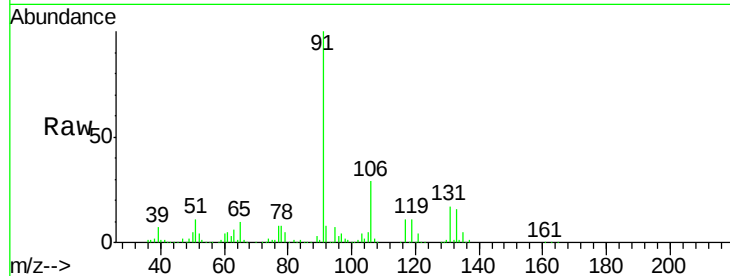
#67
Ethyl Benzene
Concen: 19.470 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.2	23.8	35.6	

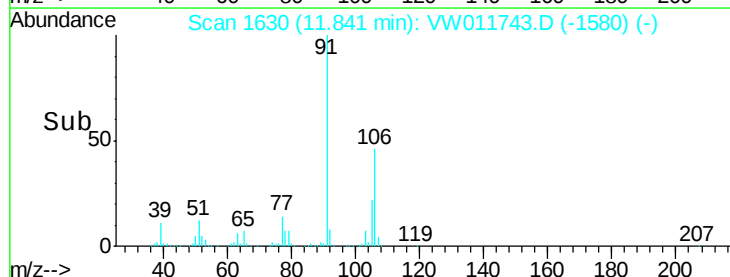
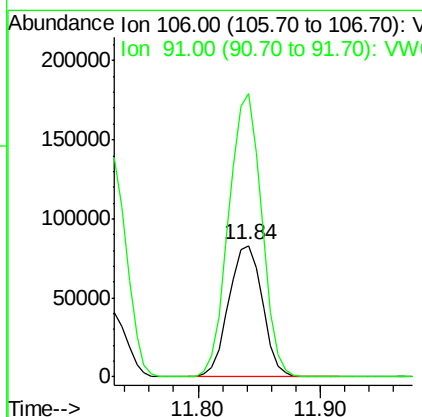
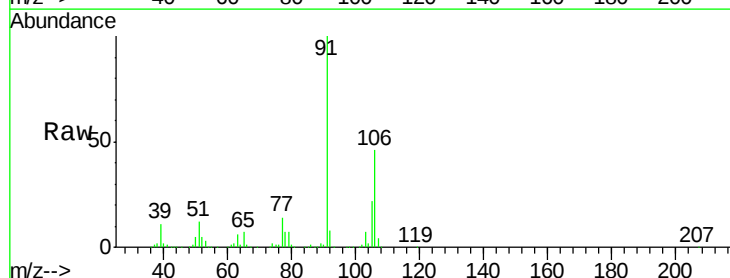
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#68
m/p-Xylenes
Concen: 38.904 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.7	168.2	252.2	





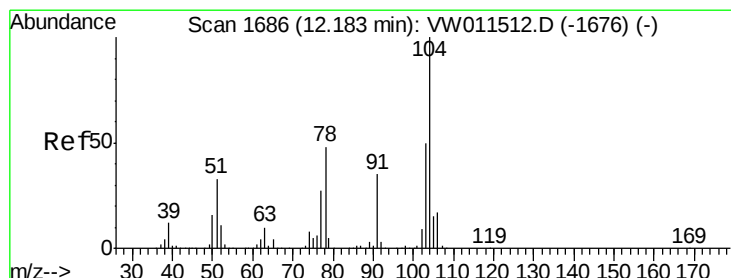
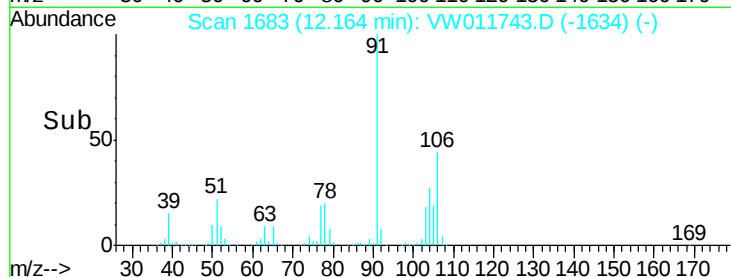
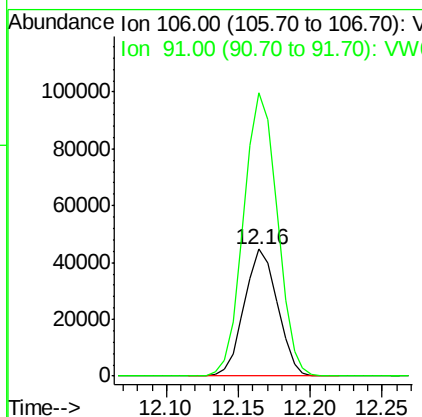
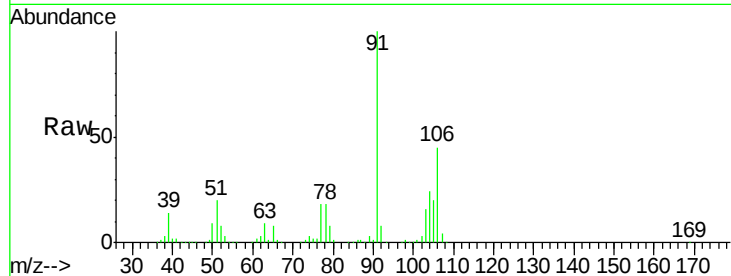
#69
o-Xylene
Concen: 18.925 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampled :
VW0808SBS01

Tot Ion:106 Resp: 71630
Ion Ratio Lower Upper
106 100
91 226.2 110.5 331.5

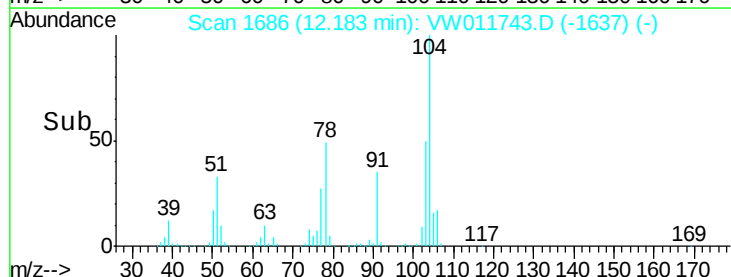
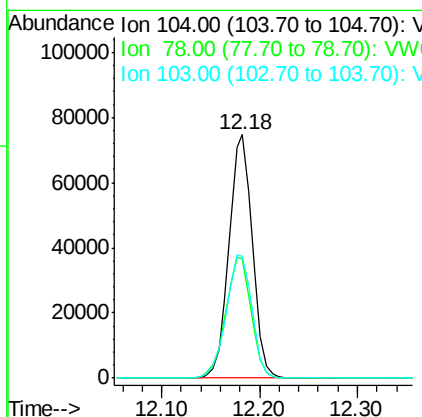
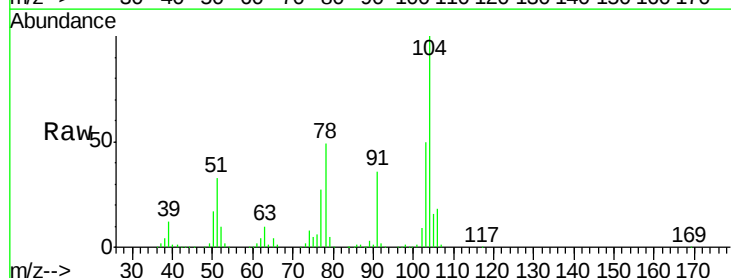
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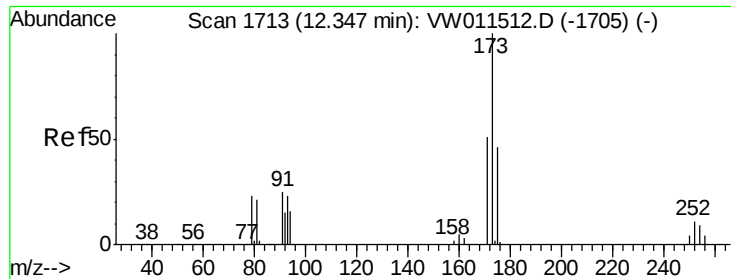
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#70
Styrene
Concen: 18.941 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion:104 Resp: 123949
Ion Ratio Lower Upper
104 100
78 53.9 43.4 65.0
103 55.3 43.9 65.9





#71

Bromoform

Concen: 18.546 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

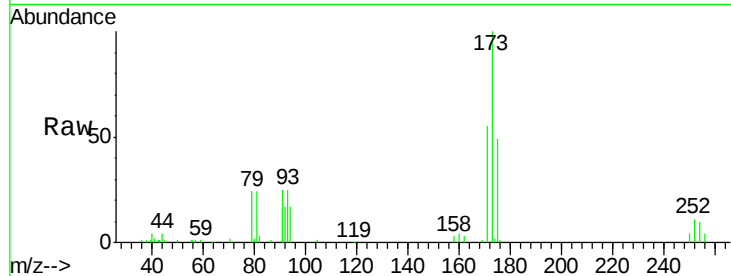
ClientSampleId :

VW0808SBS01

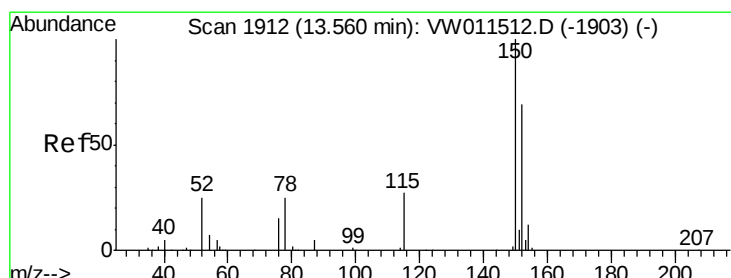
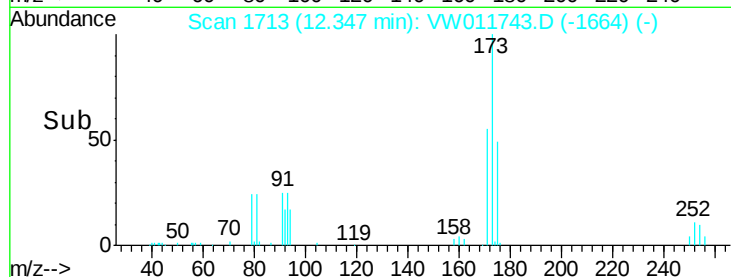
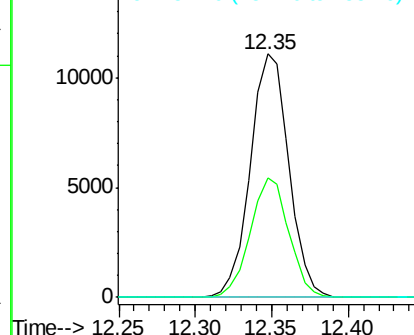
Tot Ion:	173	Resp:	19369
Ion Ratio	Lower	Upper	
173	100		
175	49.1	23.6	71.0
254	0.0	0.1	0.1#

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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

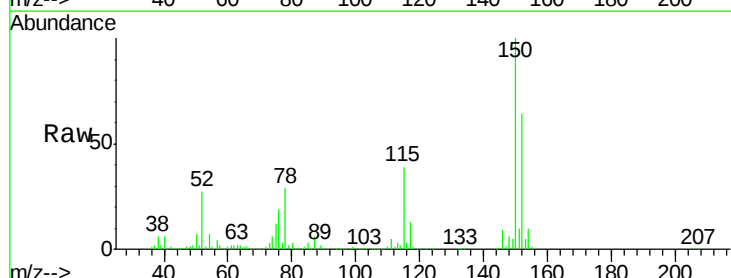
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

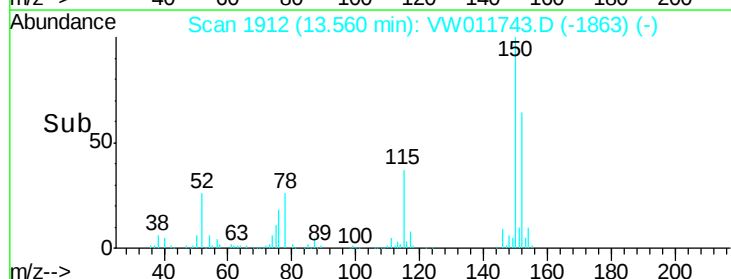
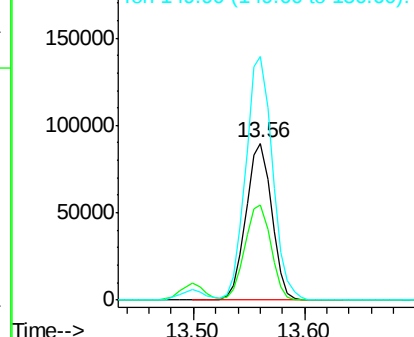
Lab File: VW011743.D

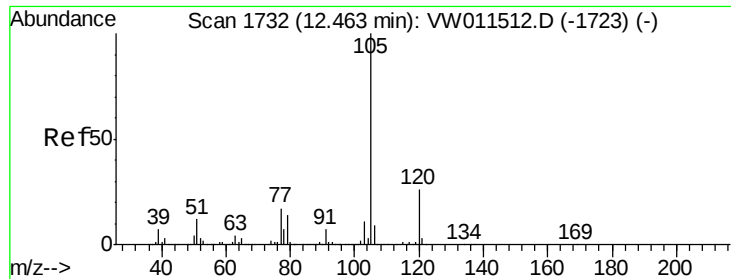
Acq: 07 Aug 2019 11:47

Tgt Ion:	152	Resp:	144122
Ion Ratio	Lower	Upper	
152	100		
115	61.4	30.5	91.5
150	161.3	0.0	352.6



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





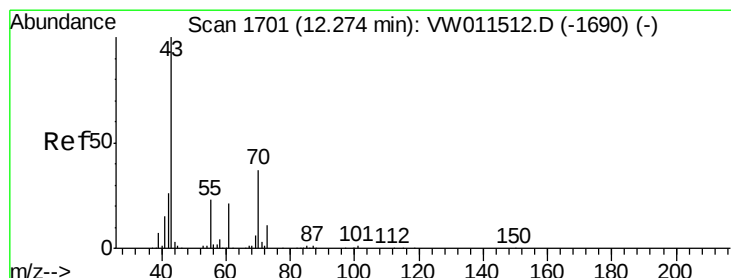
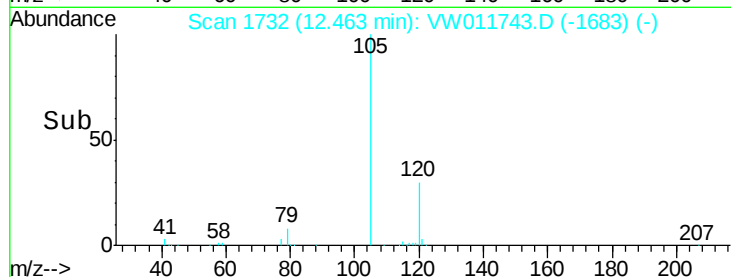
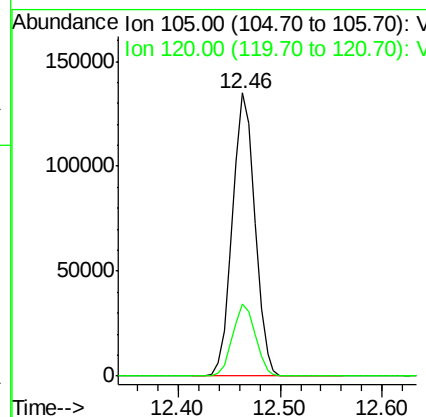
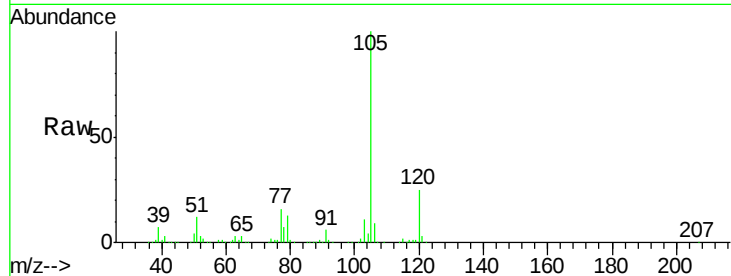
#73
Isopropylbenzene
Concen: 19.119 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	205568		
120	25.7	12.9	38.7	

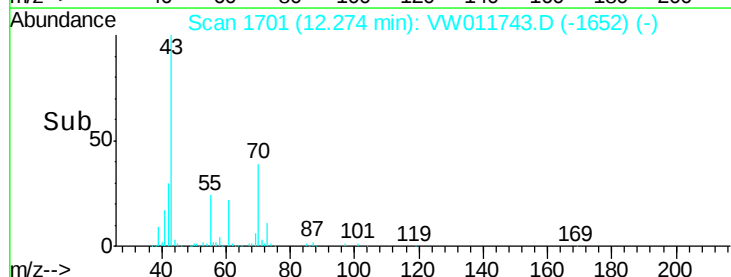
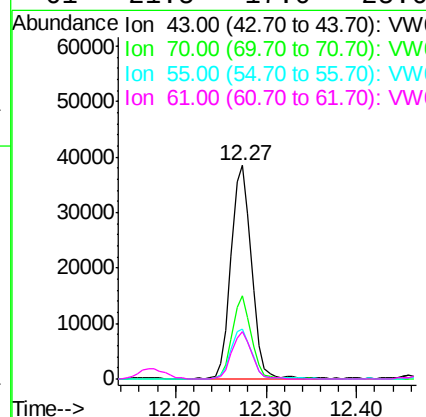
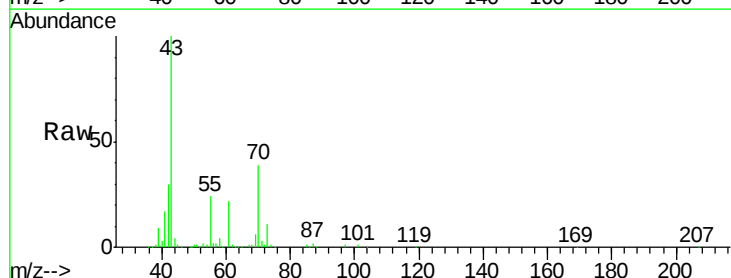
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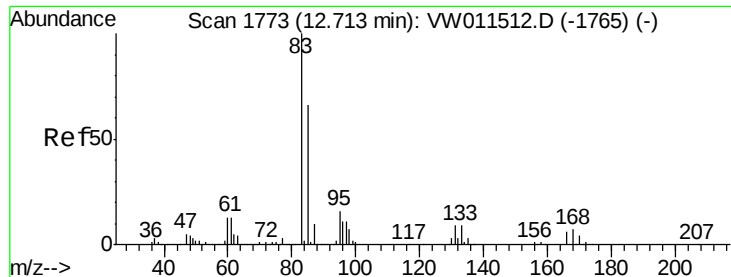
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#74
N-ethyl acetate
Concen: 18.084 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	60872		
70	35.7	28.6	43.0	
55	23.4	17.8	26.8	
61	21.5	17.0	25.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.134 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

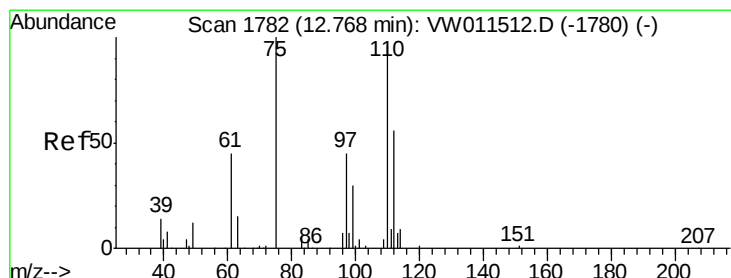
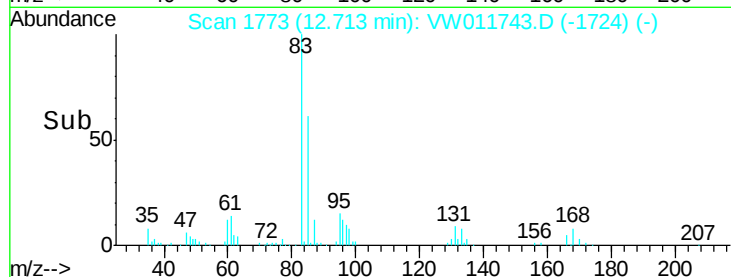
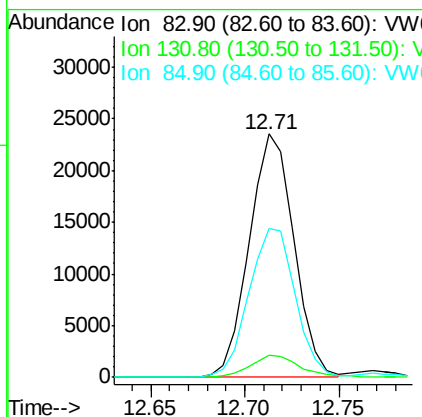
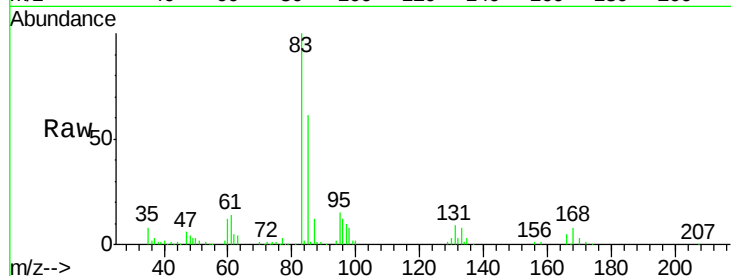
ClientSampleId :

VW0808SBS01

Tot Ion:	83	Resp:	38697
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.6
85	63.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 20.863 ug/l m

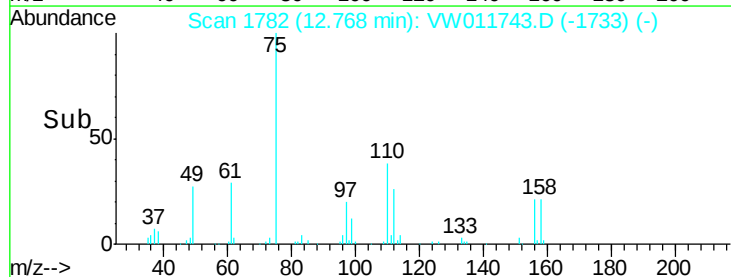
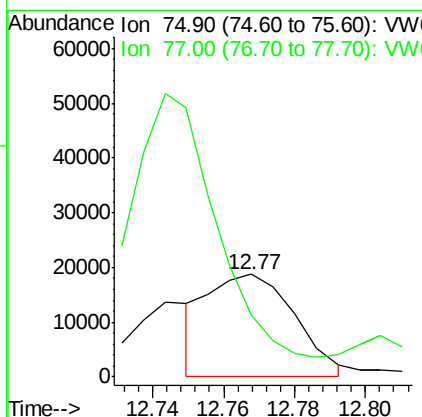
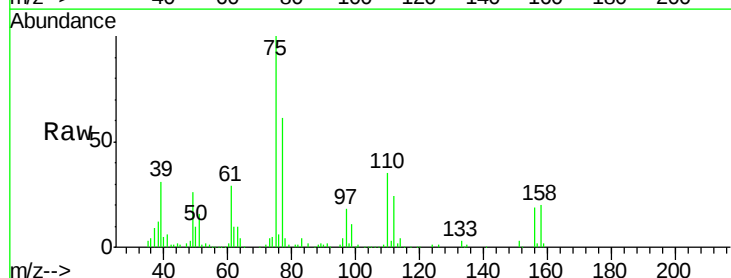
RT: 12.77 min Scan# 1782

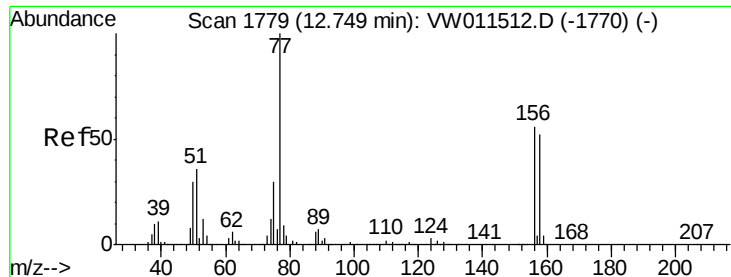
Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Tgt Ion:	75	Resp:	31816
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.783 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0808SBS01

Tot Ion:156 Resp: 44637

Ion Ratio Lower Upper

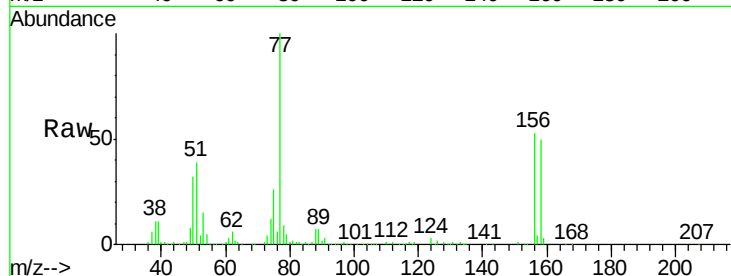
156 100

77 212.2 106.5 319.4

158 97.5 48.0 144.2

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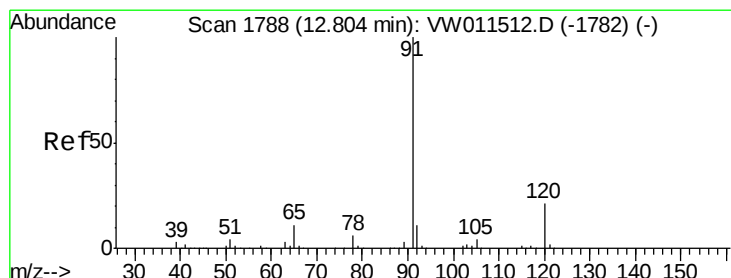
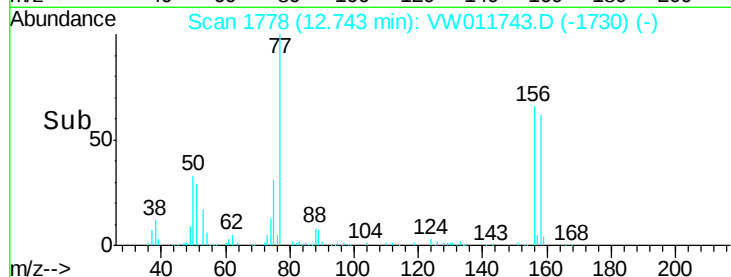
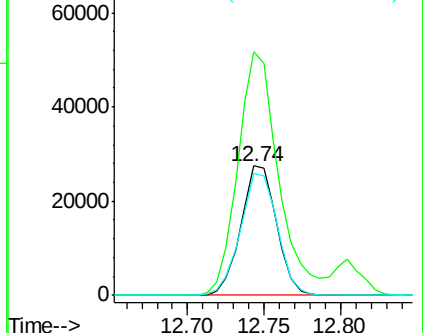
MMDadoda
8/8/2019 9:30:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.327 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011743.D

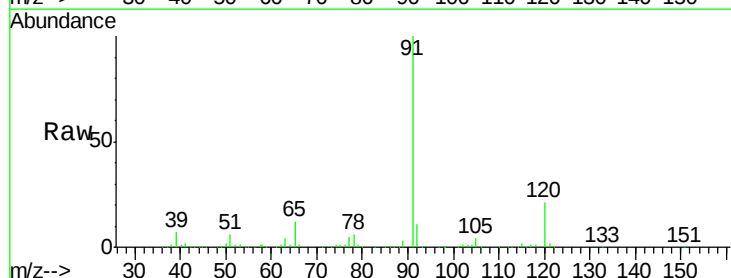
Acq: 07 Aug 2019 11:47

Tgt Ion: 91 Resp: 252890

Ion Ratio Lower Upper

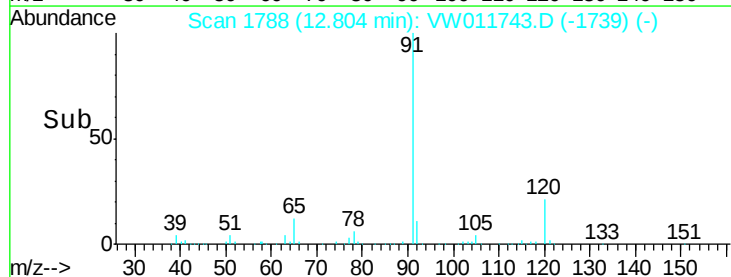
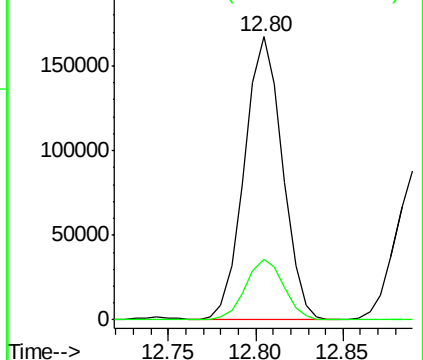
91 100

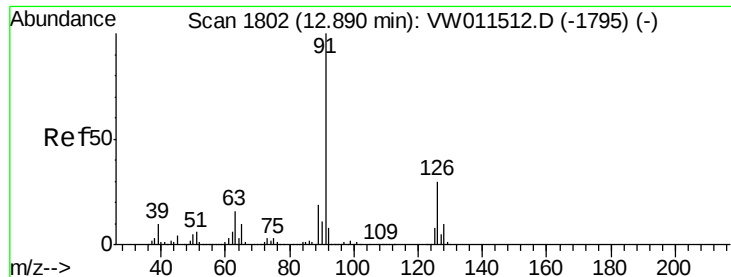
120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.819 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tot Ion: 91 Resp: 141861

Ion Ratio Lower Upper

91 100

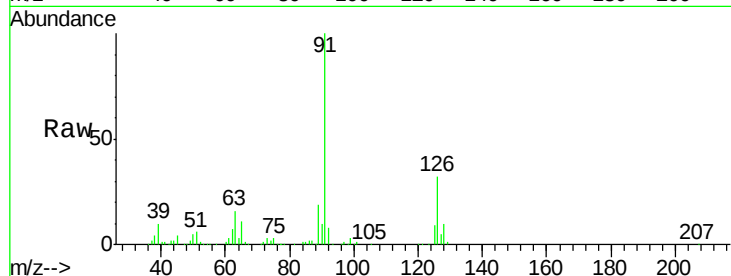
126 31.4 15.7 47.1

Manual Integrations

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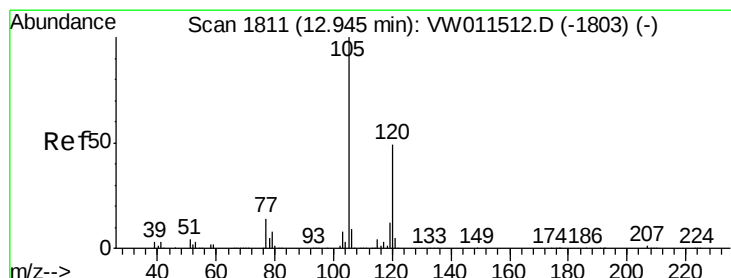
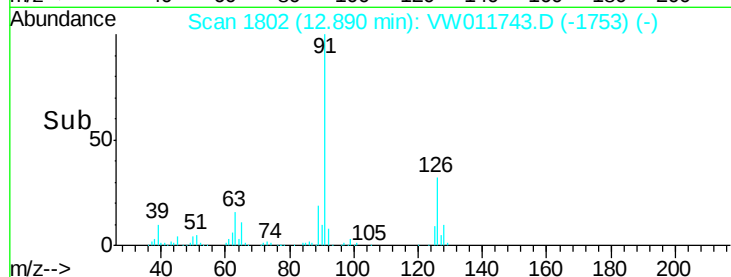
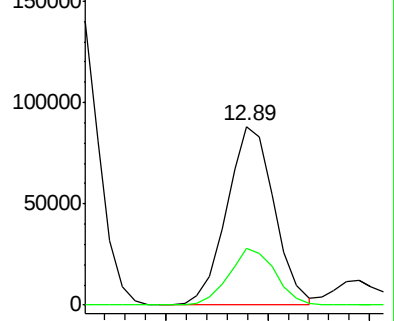
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8/8/2019 9:30:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.297 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011743.D

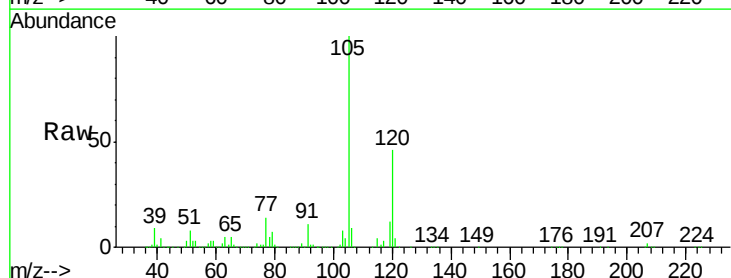
Acq: 07 Aug 2019 11:47

Tgt Ion:105 Resp: 173922

Ion Ratio Lower Upper

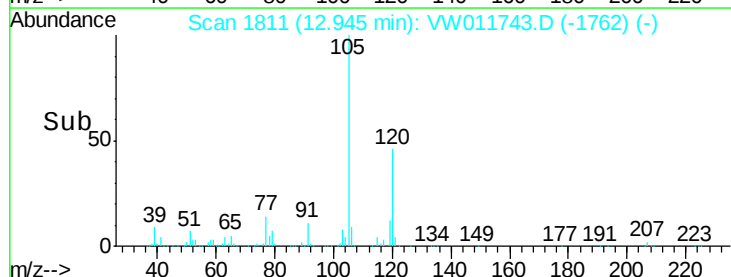
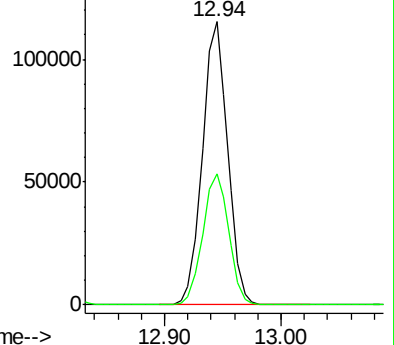
105 100

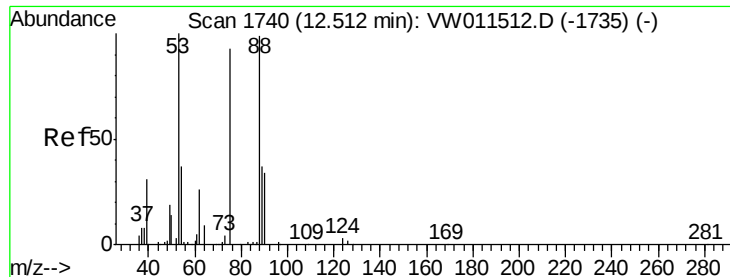
120 47.7 24.1 72.3



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: 18.244 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

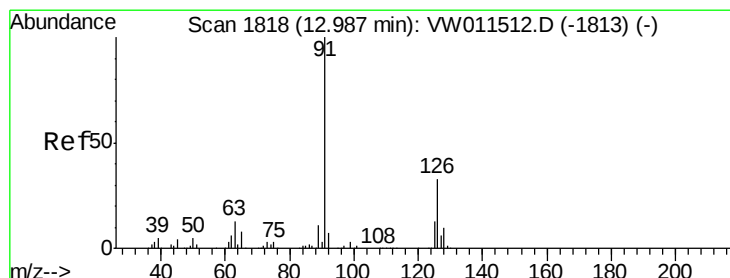
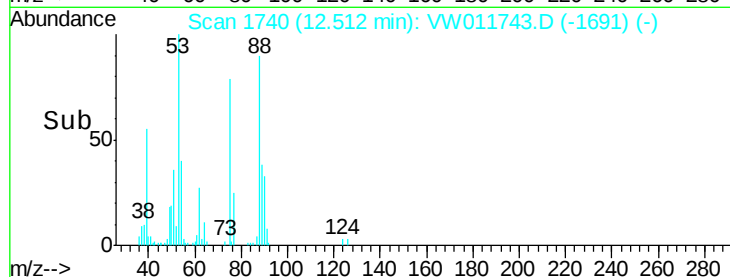
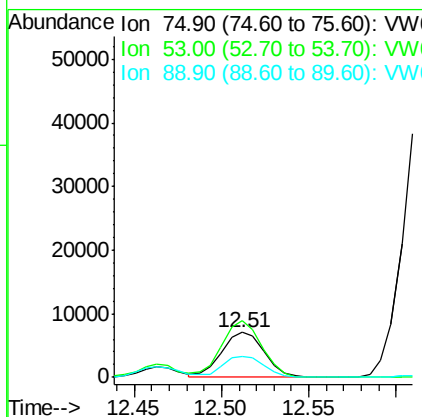
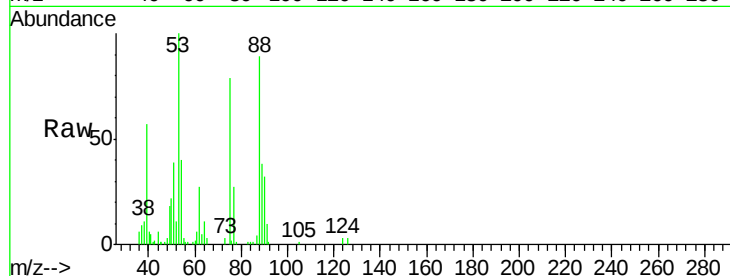
ClientSampleId :

VW0808SBS01

Tot Ion:	75	Resp:	12072
Ion	Ratio	Lower	Upper
75	100		
53	119.2	88.0	132.0
89	45.1	35.3	52.9

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#82

4-Chlorotoluene

Concen: 18.863 ug/l

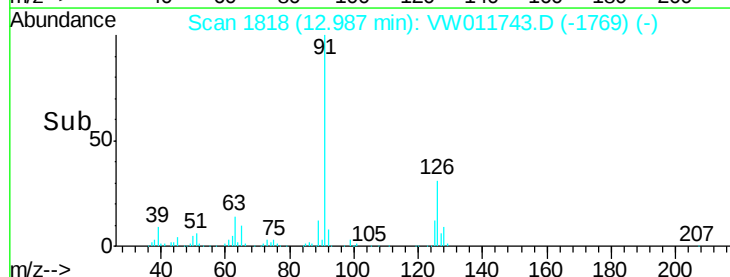
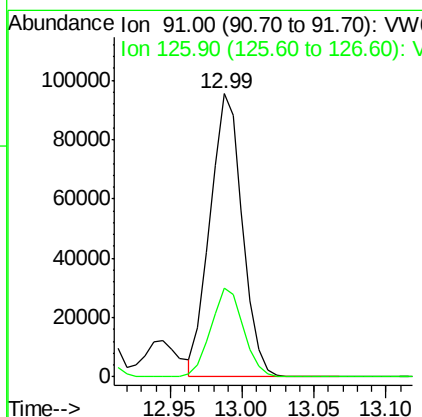
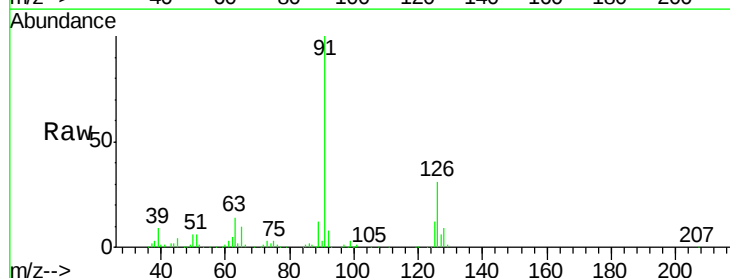
RT: 12.99 min Scan# 1818

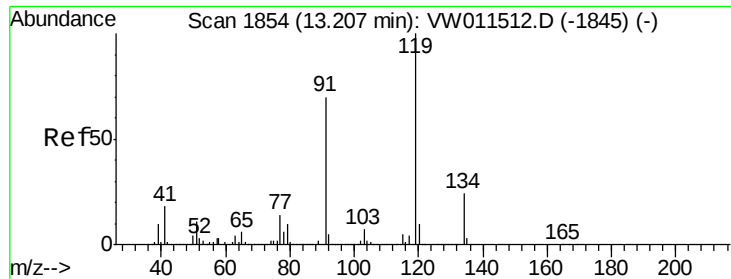
Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Tgt Ion:	91	Resp:	149193
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.6	46.8





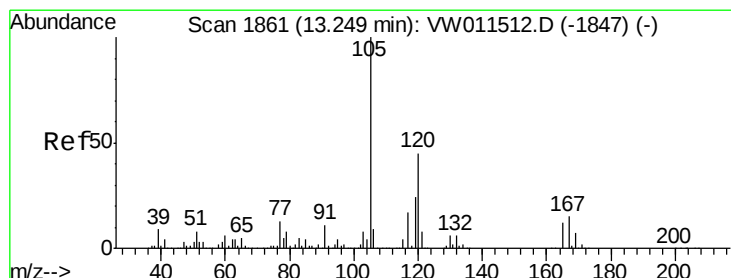
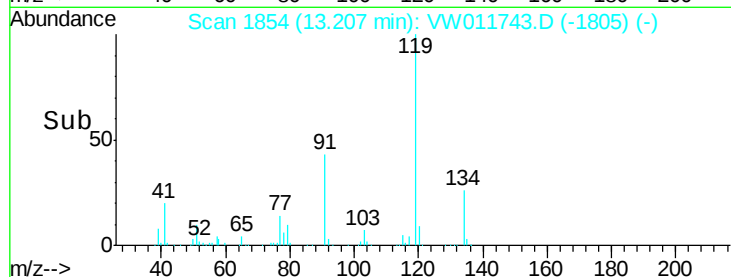
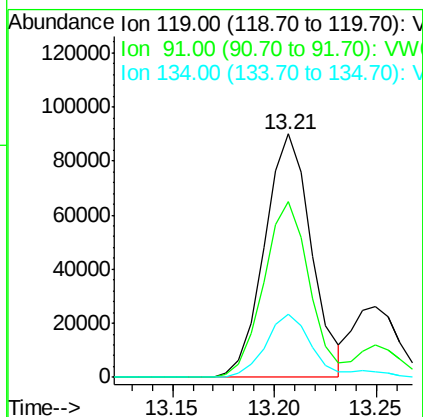
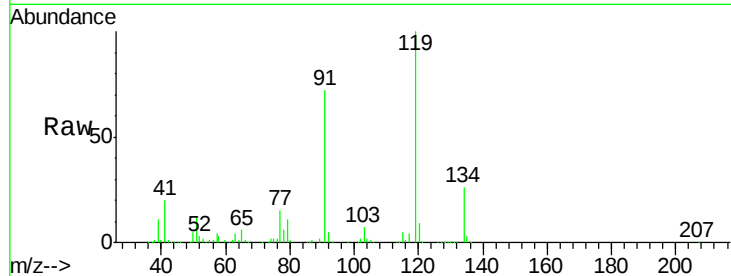
#83
tert-Butylbenzene
Concen: 19.127 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	144161		
91	70.2	34.5	103.6	
134	26.9	12.4	37.4	

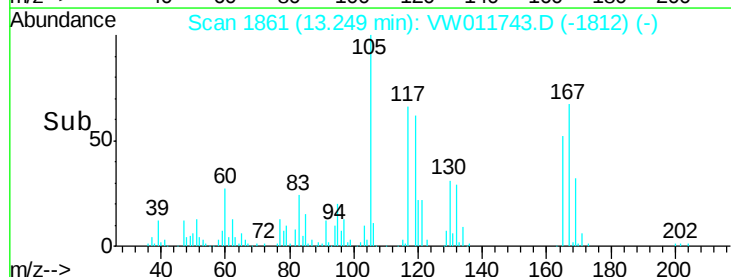
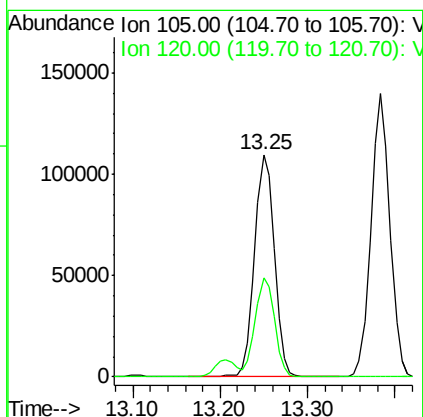
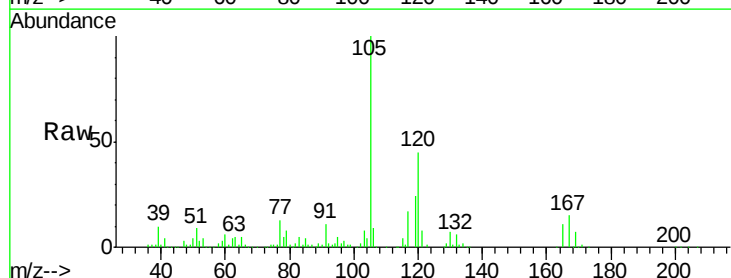
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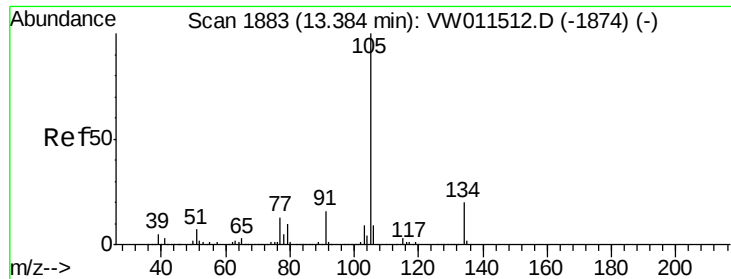
MMDadoda
8/8/2019 9:30:45 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.045 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	172911		
120	43.5	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.602 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0808SBS01

Tot Ion:105 Resp: 210798

Ion Ratio Lower Upper

105 100

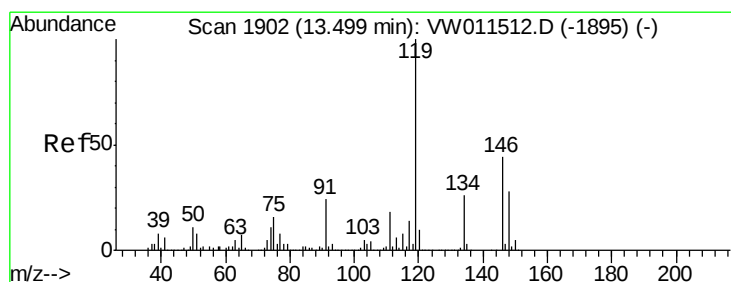
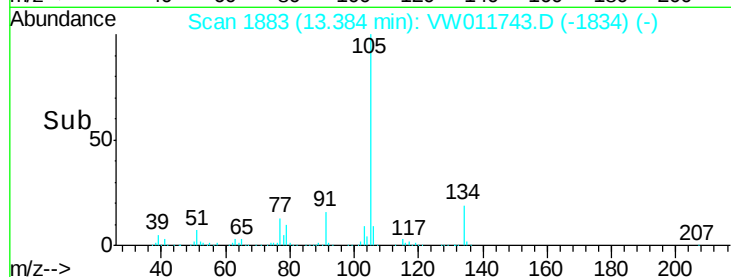
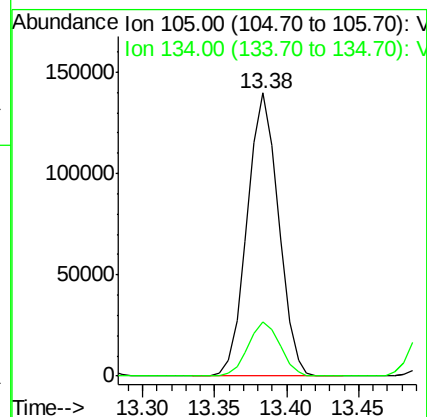
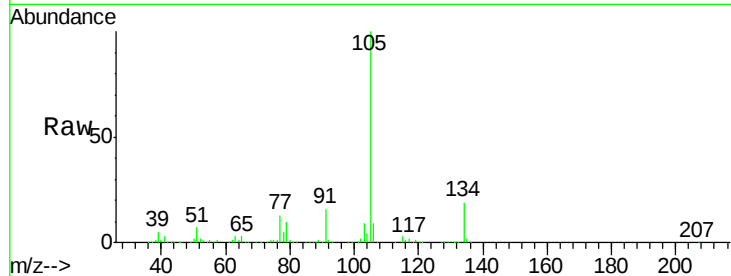
134 19.5 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.080 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

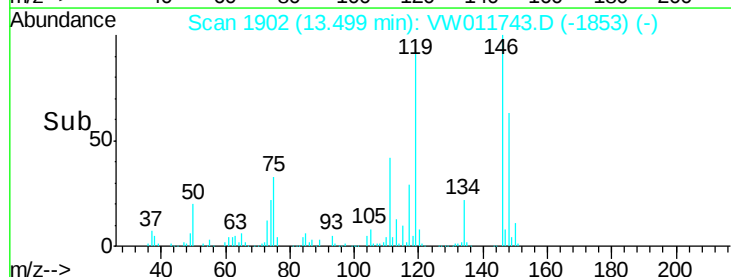
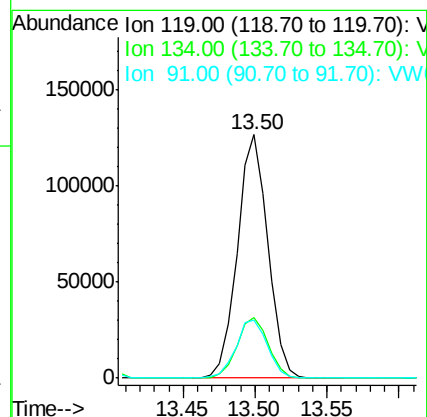
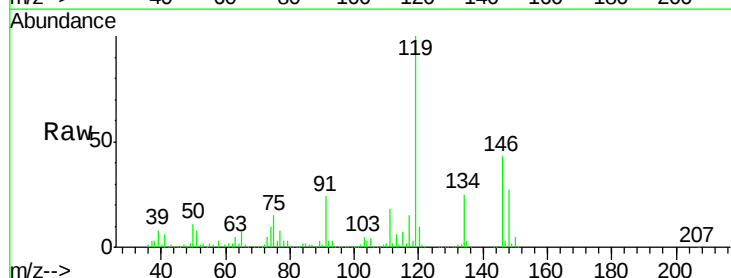
Tgt Ion:119 Resp: 186171

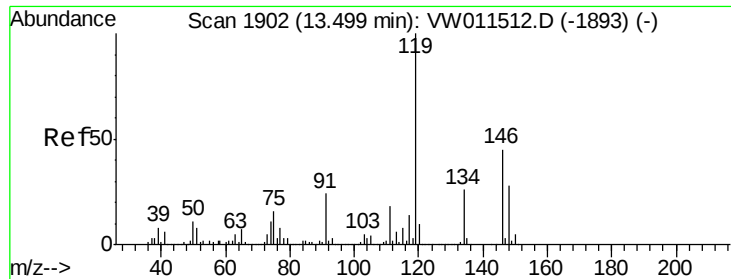
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.9 12.1 36.3





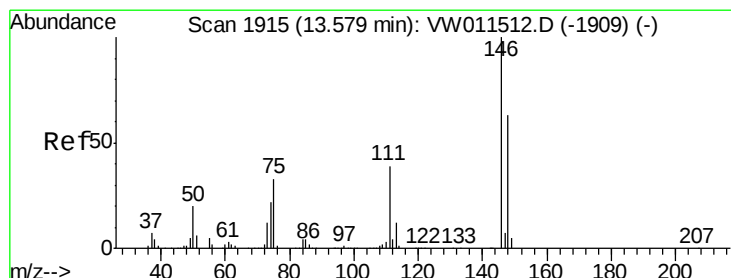
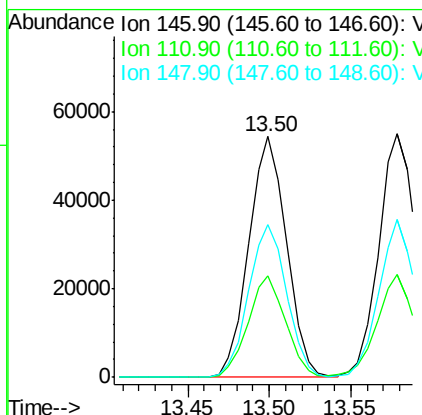
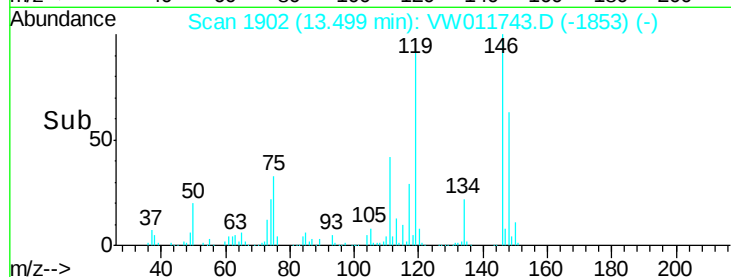
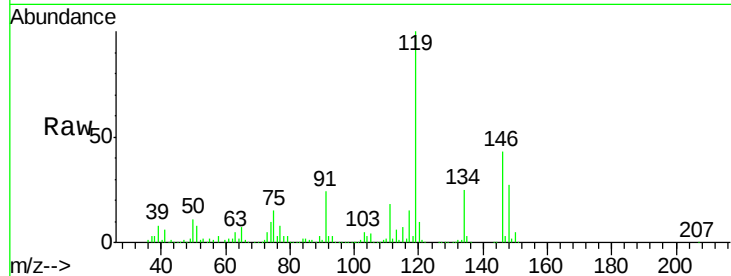
#87
 1,3-Dichlorobenzene
 Concen: 18.761 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.6
148	64.0	31.8	95.3

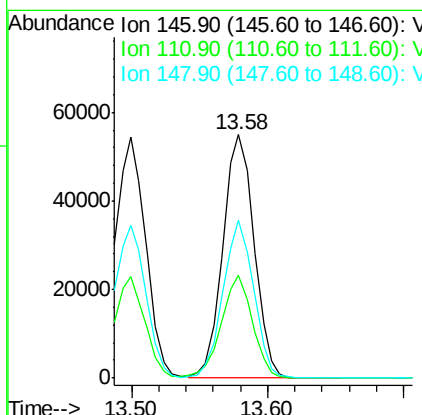
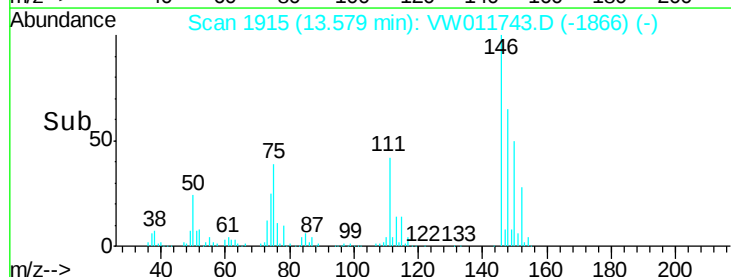
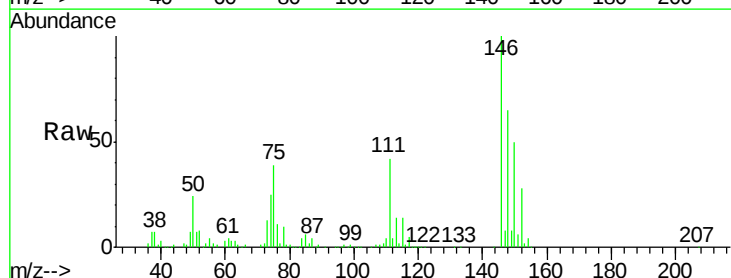
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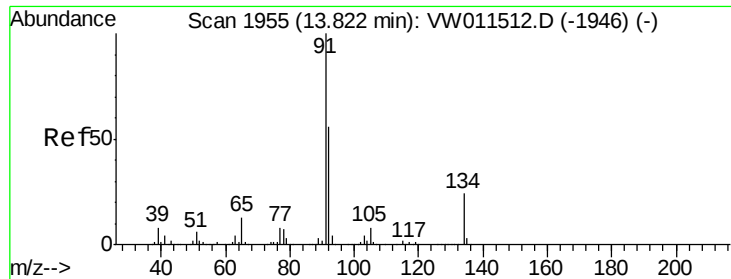
MMDadoda
 8/8/2019 9:30:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.883 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.2
148	63.7	31.9	95.9





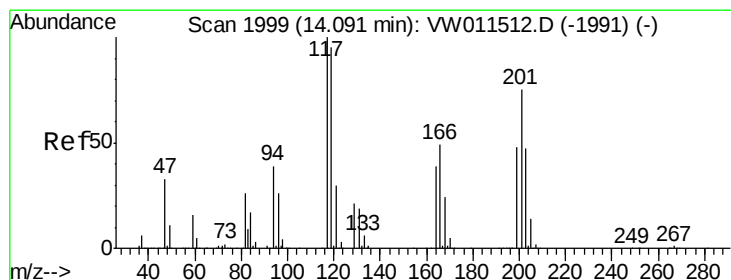
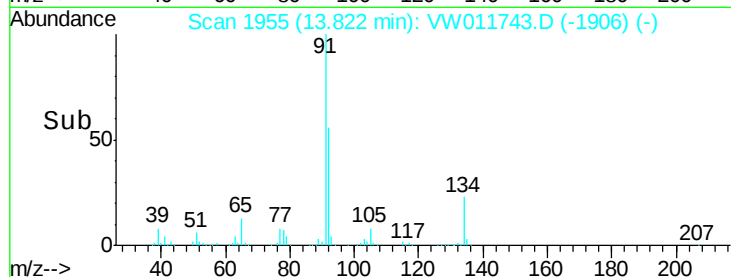
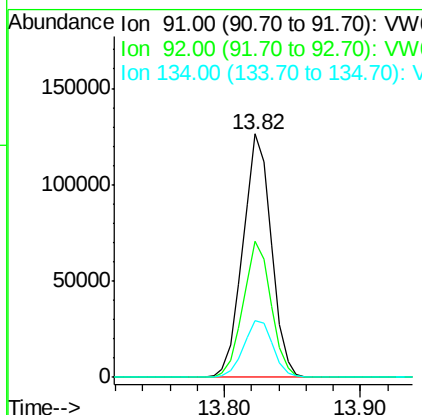
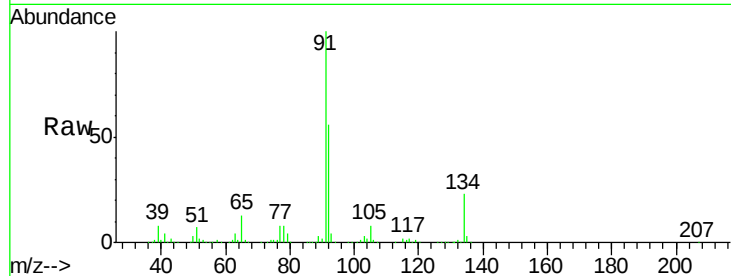
#89
n-Butylbenzene
Concen: 18.966 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	184674		
92	54.7		27.5	82.4
134	24.1		12.2	36.6

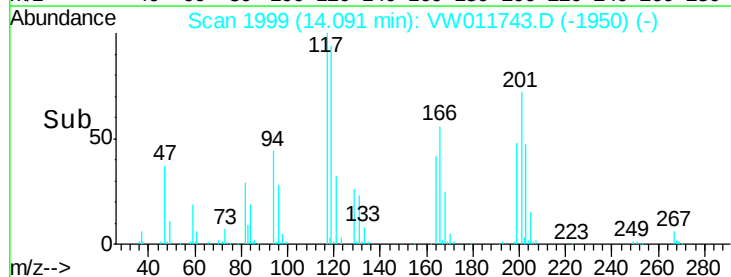
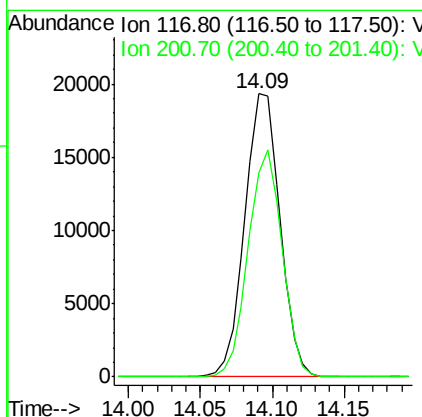
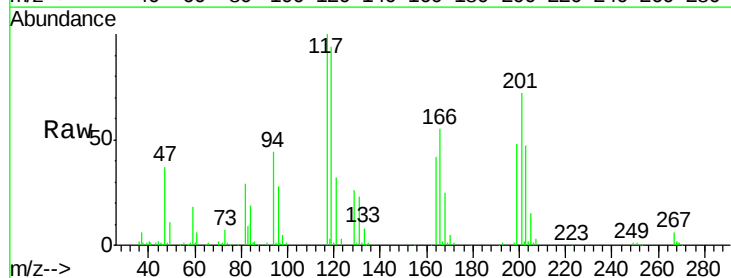
Manual Integrations
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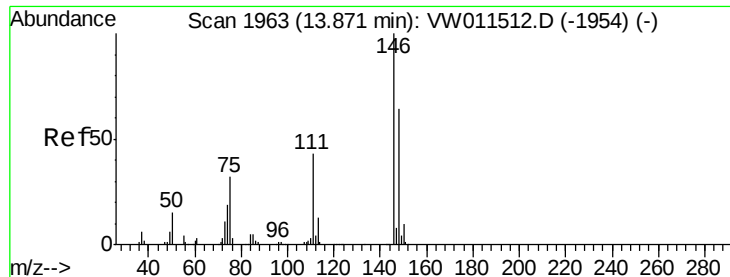
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#90
Hexachloroethane
Concen: 18.995 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW011743.D
Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32774		
201	76.9		39.4	118.2





#91

1,2-Dichlorobenzene

Concen: 18.474 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

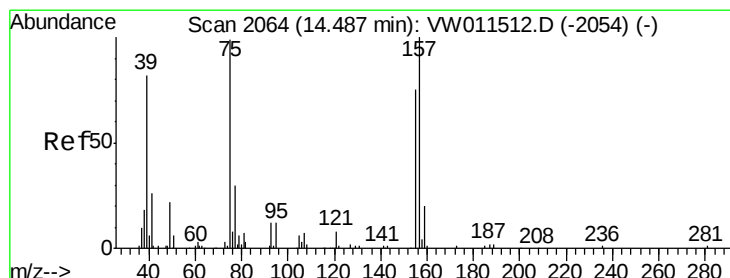
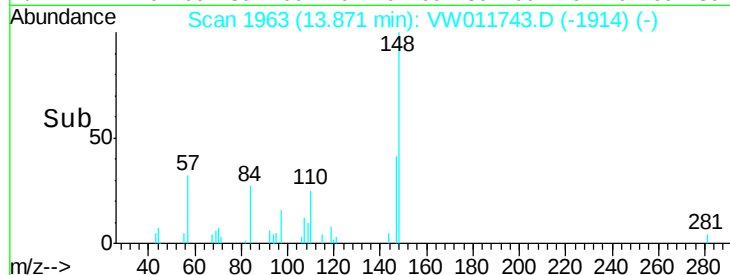
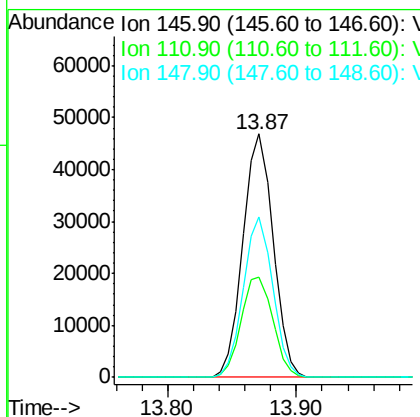
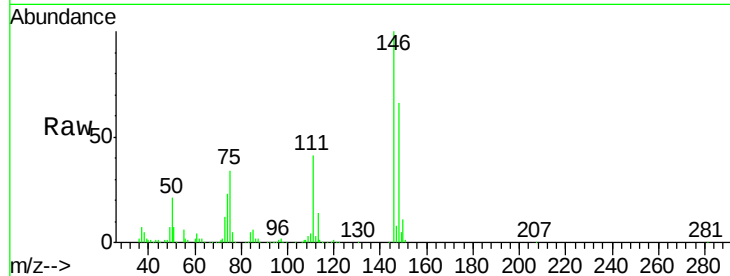
ClientSampleId :

VW0808SBS01

Tot Ion:	146	Resp:	76138
Ion Ratio	Lower	Upper	
146	100		
111	43.3	21.6	65.0
148	64.1	32.0	96.2

Manual Integrations
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8/8/2019 9:30:45 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.563 ug/l

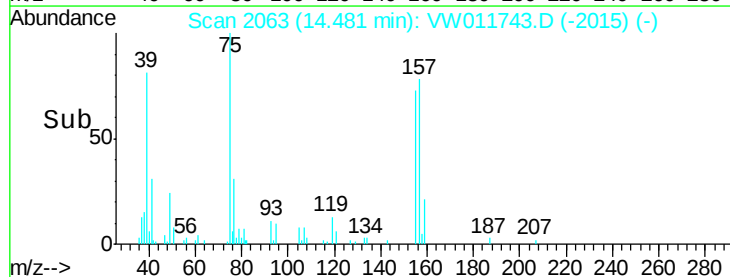
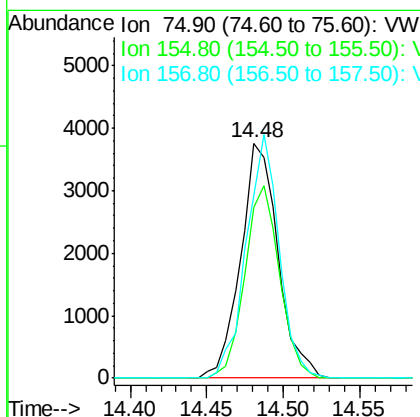
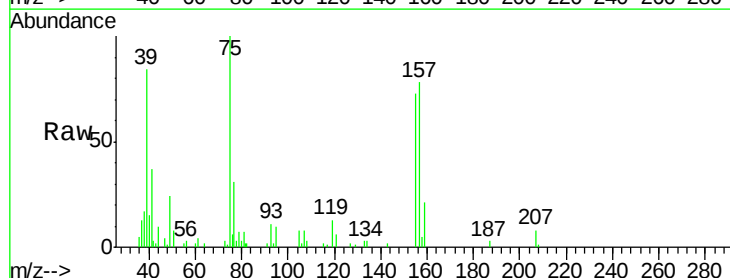
RT: 14.48 min Scan# 2063

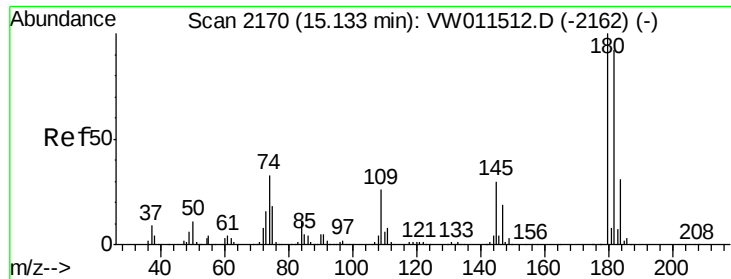
Delta R.T. -0.01 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Tgt Ion:	75	Resp:	6402
Ion Ratio	Lower	Upper	
75	100		
155	75.7	38.2	114.6
157	91.4	48.9	146.7





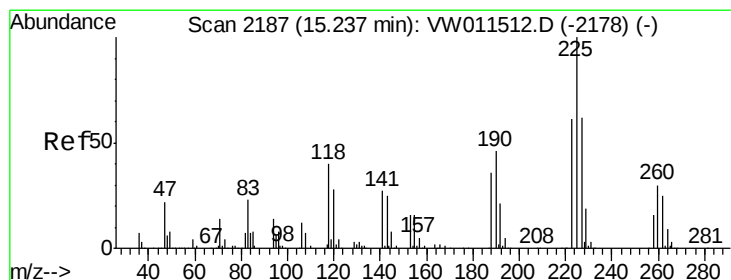
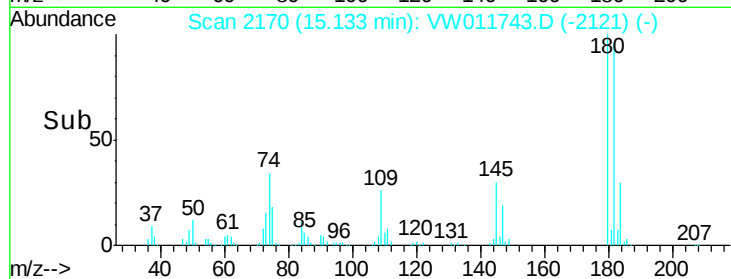
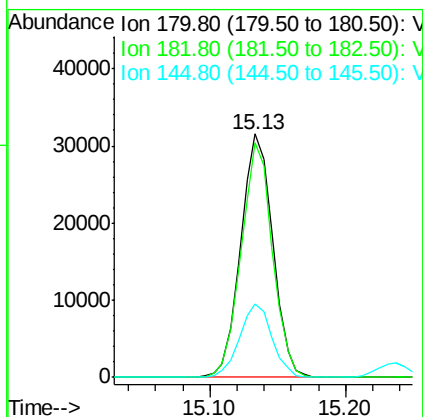
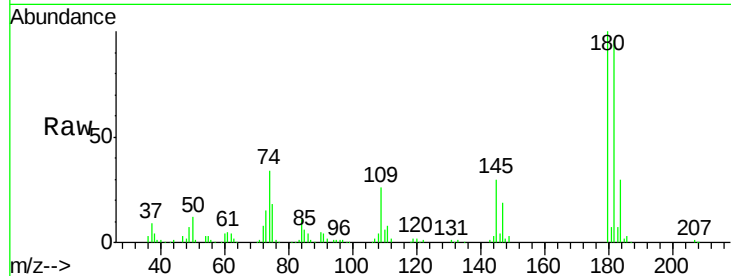
#93
 1,2,4-Trichlorobenzene
 Concen: 17.896 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51980		
182	94.1		47.4	142.2
145	30.6		15.4	46.1

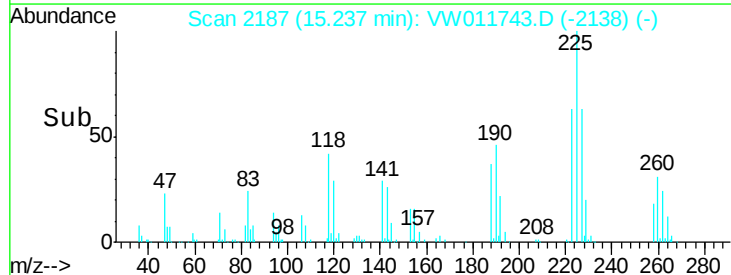
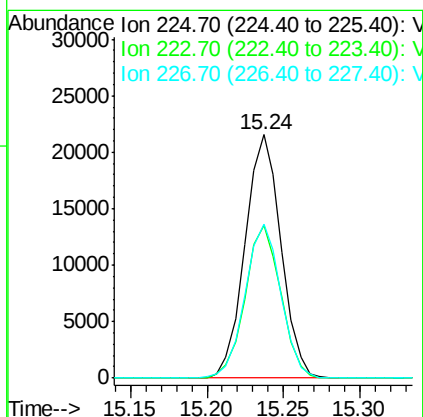
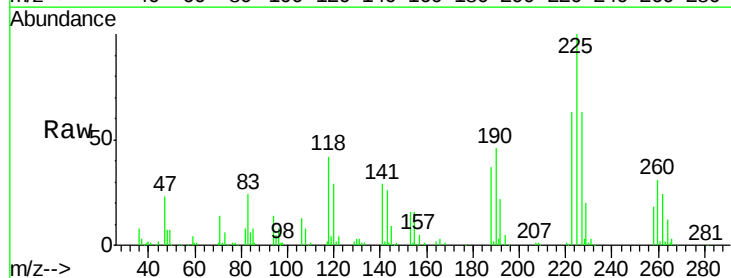
Manual Integrations
 APPROVED

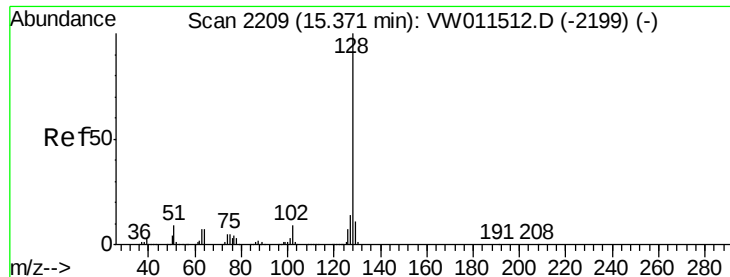
MMDadoda
 8/8/2019 9:30:45 AM



#94
 Hexachlorobutadiene
 Concen: 19.386 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011743.D
 Acq: 07 Aug 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35115		
223	62.1		30.8	92.3
227	62.9		31.6	94.7





#95

Naphthalene

Concen: 16.731 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Instrument :

MSVOA_W

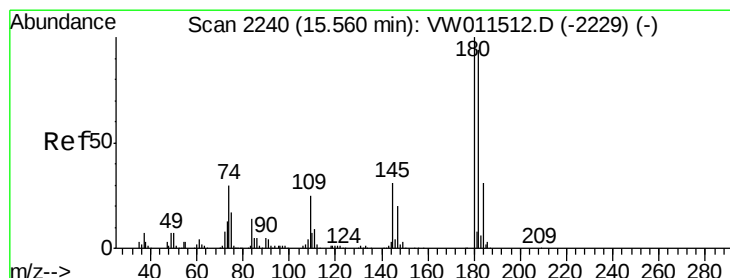
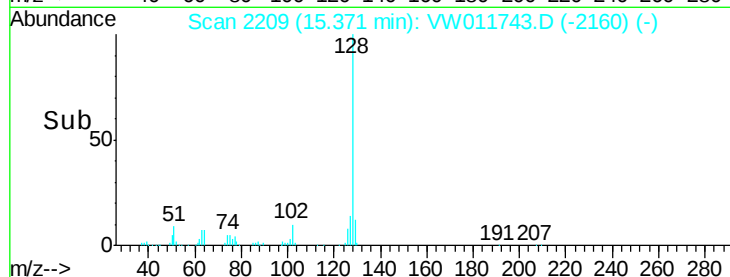
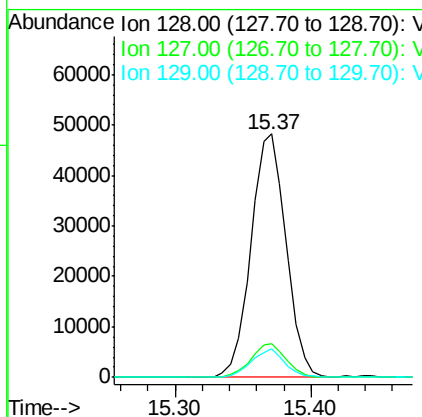
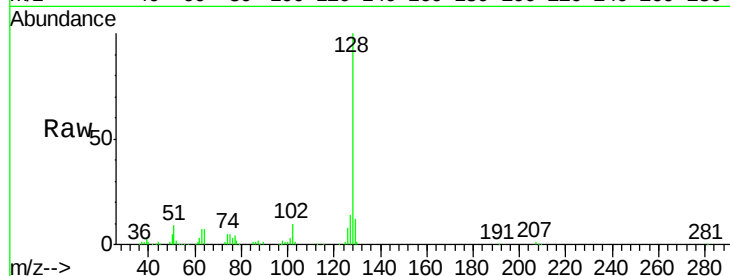
ClientSampleId :

VW0808SBS01

Tot Ion:	128	Resp:	87036
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	16.0
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/8/2019 9:30:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.749 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011743.D

Acq: 07 Aug 2019 11:47

Tgt Ion:	180	Resp:	45191
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.4	142.2
145	32.1	15.9	47.7

