

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011201.D
 Acq On : 10 Jul 2019 20:56
 Operator : SY/VA
 Sample : VW0711SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:15 PM

Quant Time: Jul 11 08:24:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	203859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	137201	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	7.88	113	104278	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.32	98	416164	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.62	95	154578	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	28806	18.946	ug/l	100
3) Chloromethane	2.20	50	39053	19.934	ug/l	96
4) Vinyl Chloride	2.36	62	49265	19.213	ug/l	95
5) Bromomethane	2.76	94	25780	20.008	ug/l	91
6) Chloroethane	2.91	64	26604	19.262	ug/l	94
7) Trichlorofluoromethane	3.24	101	14255	15.649	ug/l	97
8) Diethyl Ether	3.67	74	27013	21.432	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41515	19.027	ug/l	99
10) Methyl Iodide	4.27	142	58882	19.621	ug/l	99
11) Tert butyl alcohol	5.17	59	19260	101.556	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	43026	18.999	ug/l	89
13) Acrolein	3.89	56	14917	98.777	ug/l	100
14) Allyl chloride	4.66	41	76757	18.586	ug/l	100
15) Acrylonitrile	5.35	53	68846	107.251	ug/l	99
16) Acetone	4.12	43	59062	95.827	ug/l	97
17) Carbon Disulfide	4.38	76	118073	17.197	ug/l	100
18) Methyl Acetate	4.67	43	46633	25.926	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	74304	21.624	ug/l	97
20) Methylene Chloride	4.91	84	51847	21.324	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	46653	19.825	ug/l	97
22) Diisopropyl ether	6.31	45	188790	21.255	ug/l	99
23) Vinyl Acetate	6.25	43	553336	100.662	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95410	20.456	ug/l	100
25) 2-Butanone	7.17	43	101899	105.323	ug/l	96
26) 2,2-Dichloropropane	7.16	77	42317	17.454	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	51764	20.392	ug/l	99
28) Bromochloromethane	7.51	49	44851	21.148	ug/l	99
29) Tetrahydrofuran	7.52	42	68493	107.966	ug/l	100
30) Chloroform	7.67	83	89118	20.631	ug/l	99
31) Cyclohexane	7.95	56	92316	18.604	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	63631	19.365	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68907	18.753	ug/l	99
37) Ethyl Acetate	7.25	43	46755	21.178	ug/l	99
38) Carbon Tetrachloride	8.06	117	56865	18.256	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	82256	18.470	ug/l	96
40) Benzene	8.32	78	202228	19.915	ug/l	99
41) Methacrylonitrile	7.48	41	25732	20.379	ug/l	99
42) 1,2-Dichloroethane	8.40	62	69154	20.993	ug/l	100
43) Isopropyl Acetate	8.42	43	86596	20.776	ug/l	100
44) Trichloroethene	9.09	130	47532	19.451	ug/l	100
45) 1,2-Dichloropropane	9.37	63	56046	20.381	ug/l	98
46) Dibromomethane	9.46	93	27180	21.041	ug/l	99
47) Bromodichloromethane	9.64	83	65104	19.698	ug/l	96
48) Methyl methacrylate	9.43	41	41404	20.648	ug/l	96
49) 1,4-Dioxane	9.45	88	8877	411.705	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	232094	106.597	ug/l	99
52) Toluene	10.38	92	123055	19.977	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67155	19.088	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79778	19.265	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38938	21.248	ug/l	96
56) Ethyl methacrylate	10.64	69	57054	20.449	ug/l	99
57) 1,3-Dichloropropane	10.93	76	72681	20.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155655	120.341	ug/l	99
59) 2-Hexanone	10.97	43	156917	103.921	ug/l	99
60) Dibromochloromethane	11.13	129	40058	19.934	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36252	20.884	ug/l	98
64) Tetrachloroethene	10.86	164	42381	20.144	ug/l	97
65) Chlorobenzene	11.66	112	126956	20.028	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	43895	19.667	ug/l	98
67) Ethyl Benzene	11.73	91	234132	19.294	ug/l	98
68) m/p-Xylenes	11.84	106	171039	38.952	ug/l	99
69) o-Xylene	12.16	106	81403	19.669	ug/l	99
70) Styrene	12.18	104	142068	19.891	ug/l	99
71) Bromoform	12.35	173	22324	18.812	ug/l #	99
73) Isopropylbenzene	12.46	105	220123	18.833	ug/l	99
74) N-amyl acetate	12.27	43	80934	19.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47564	19.853	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	32468m	17.969	ug/l	
77) Bromobenzene	12.74	156	50789	19.363	ug/l	99
78) n-propylbenzene	12.80	91	270853	18.812	ug/l	99
79) 2-Chlorotoluene	12.89	91	158119	19.084	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	190080	19.143	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13684	17.130	ug/l	96
82) 4-Chlorotoluene	12.99	91	168549	19.531	ug/l	99
83) tert-Butylbenzene	13.21	119	156420	18.889	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	192237	19.281	ug/l	99
85) sec-Butylbenzene	13.38	105	223508	18.705	ug/l	100
86) p-Isopropyltoluene	13.50	119	199575	18.621	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	99338	19.684	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	98336	19.350	ug/l	97
89) n-Butylbenzene	13.82	91	198407	18.557	ug/l	99
90) Hexachloroethane	14.09	117	34946	17.843	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	89993	19.656	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7994	18.811	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62753	19.900	ug/l	98
94) Hexachlorobutadiene	15.24	225	37133	19.180	ug/l	99
95) Naphthalene	15.37	128	122258	20.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	56444	20.281	ug/l	99

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

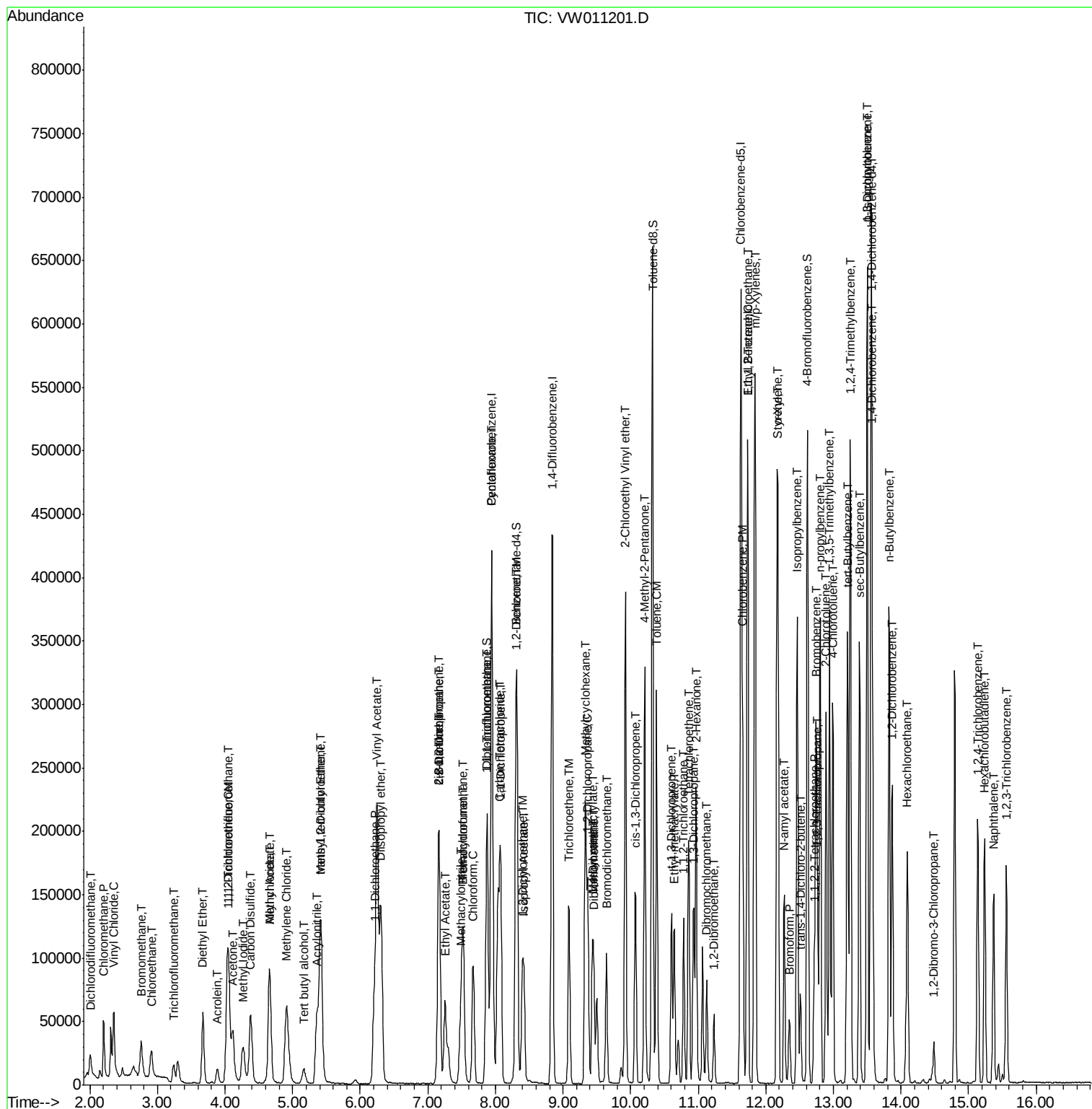
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Data File : VW011201.D
Acq On : 10 Jul 2019 20:56
Operator : SY/VA
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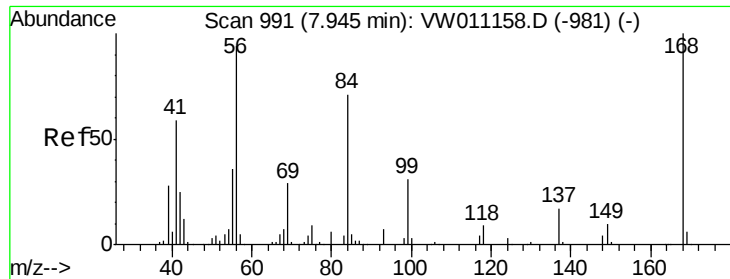
Instrument :
MSVOA_W
Client Sample Id :
VW0711SBSD01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion:168 Resp: 203859

Ion Ratio Lower Upper

168 100

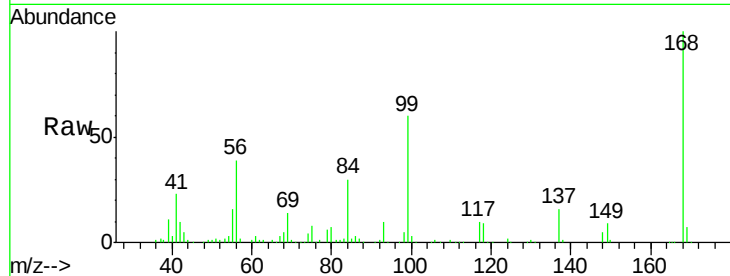
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Manual Integrations

APPROVED

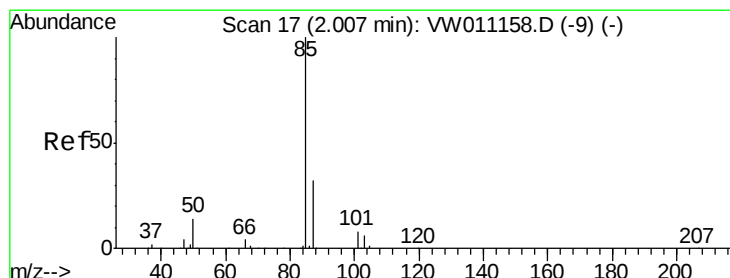
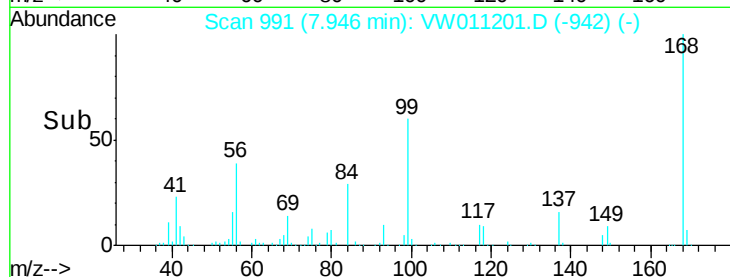
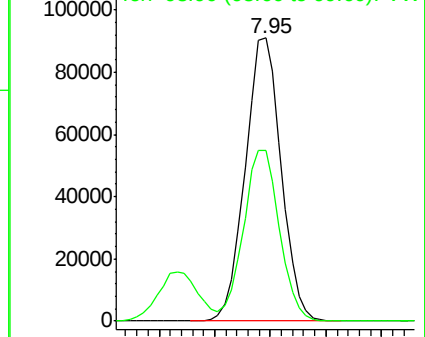
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.946 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011201.D

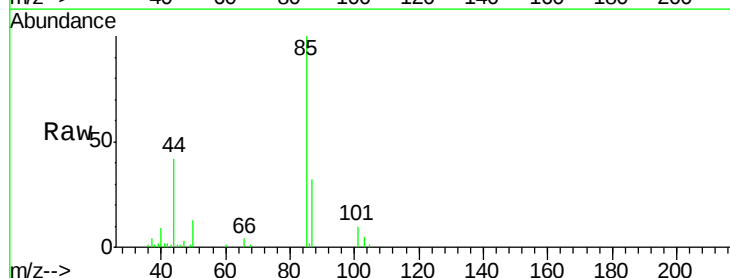
Acq: 10 Jul 2019 20:56

Tgt Ion: 85 Resp: 28806

Ion Ratio Lower Upper

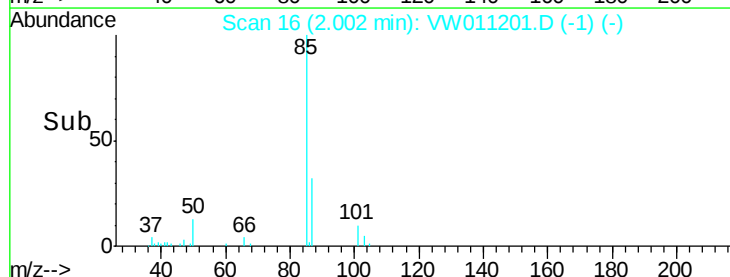
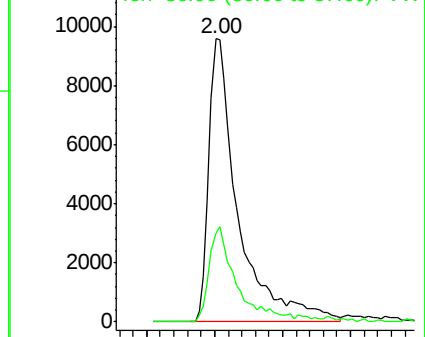
85 100

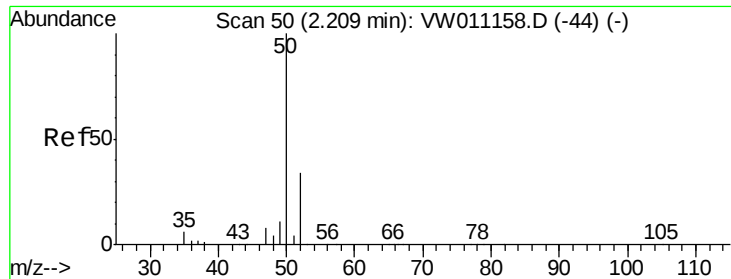
87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.934 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion: 50 Resp: 39053

Ion Ratio Lower Upper

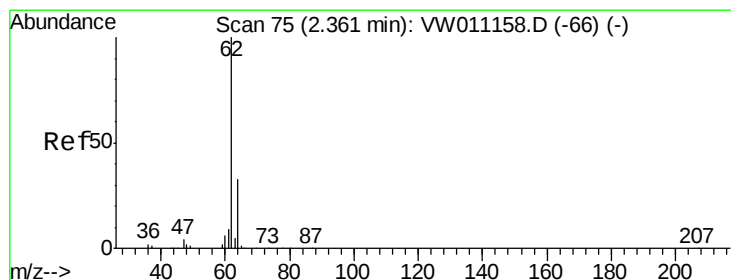
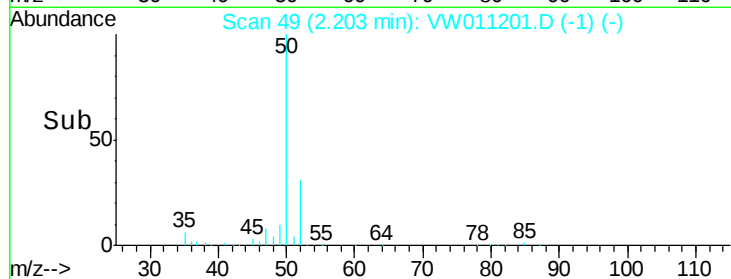
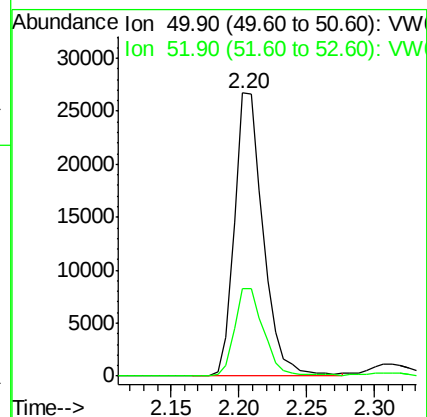
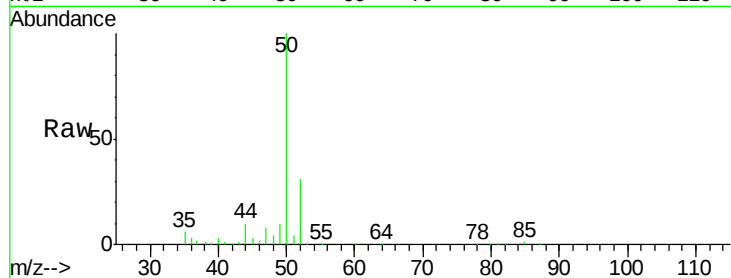
50 100

52 31.1 26.9 40.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.213 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011201.D

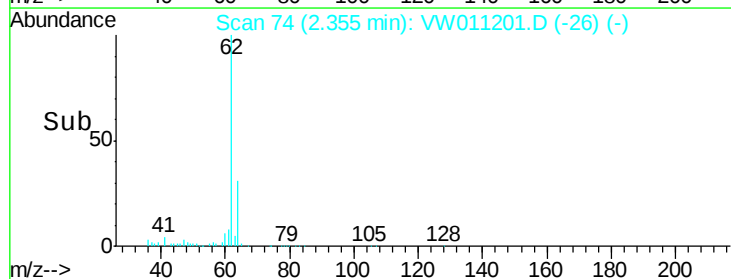
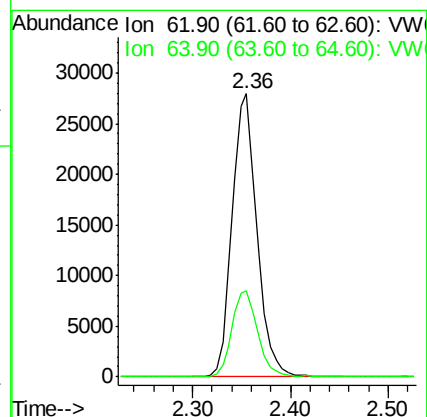
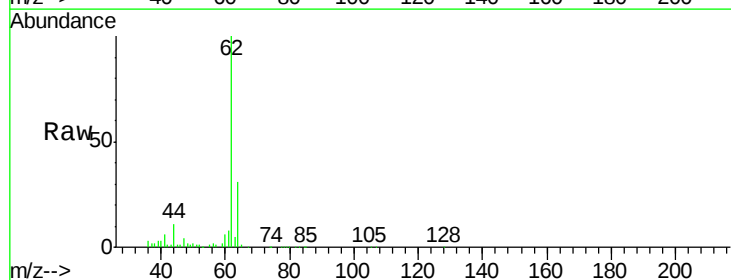
Acq: 10 Jul 2019 20:56

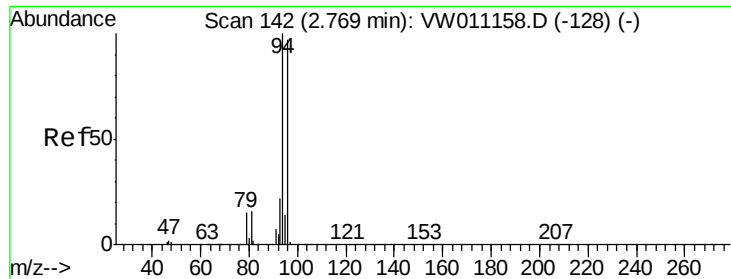
Tgt Ion: 62 Resp: 49265

Ion Ratio Lower Upper

62 100

64 30.6 26.6 40.0





#5

Bromomethane

Concen: 20.008 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

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ClientSampleId :

VW0711SBSD01

Tot Ion: 94 Resp: 25780

Ion Ratio Lower Upper

94 100

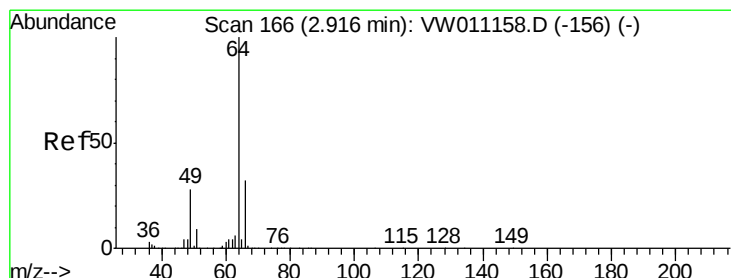
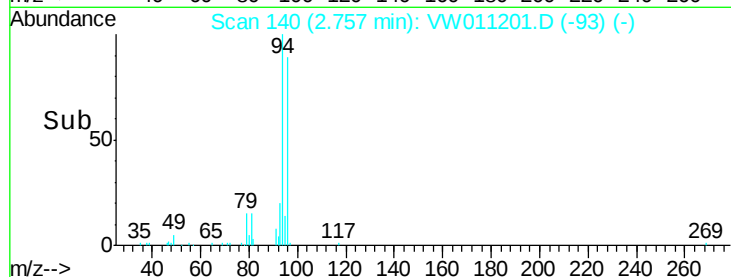
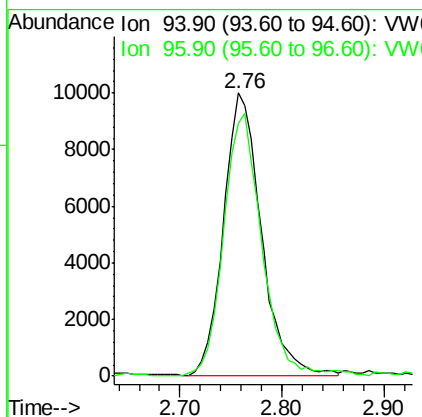
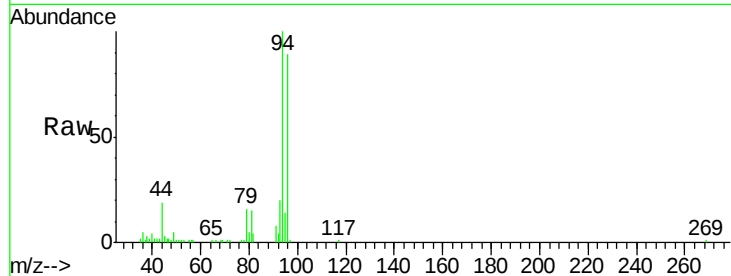
96 88.2 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 19.262 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011201.D

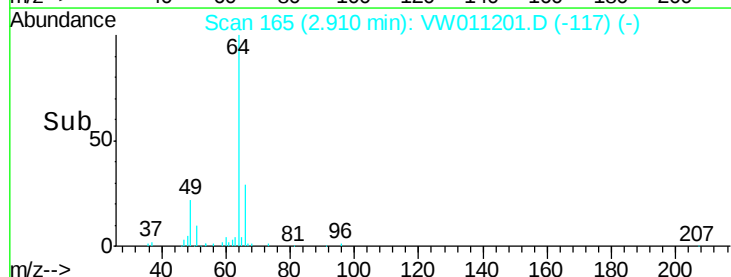
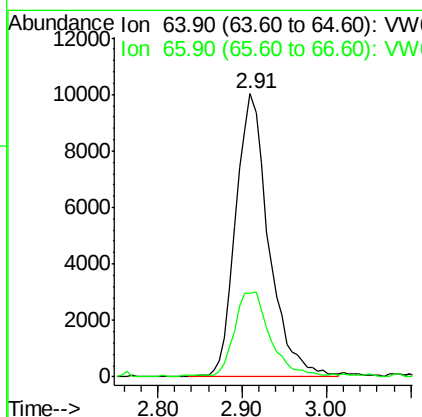
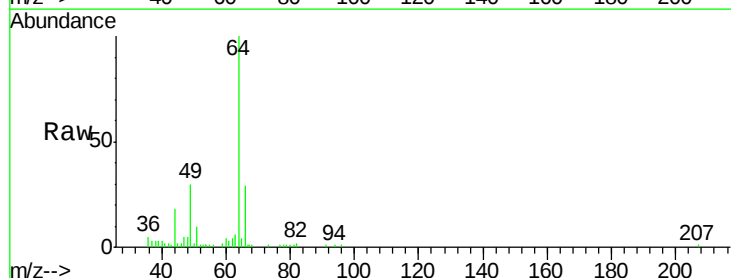
Acq: 10 Jul 2019 20:56

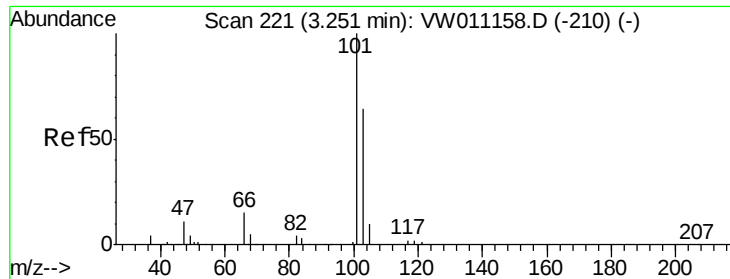
Tgt Ion: 64 Resp: 26604

Ion Ratio Lower Upper

64 100

66 28.9 25.8 38.8





#7

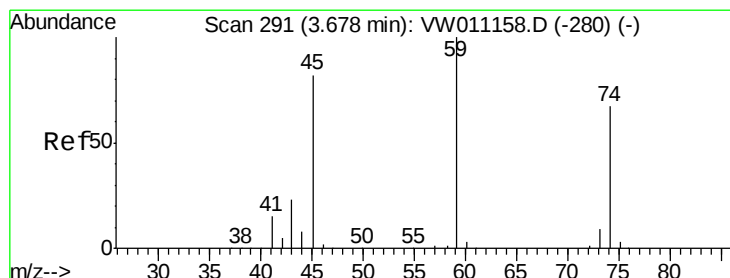
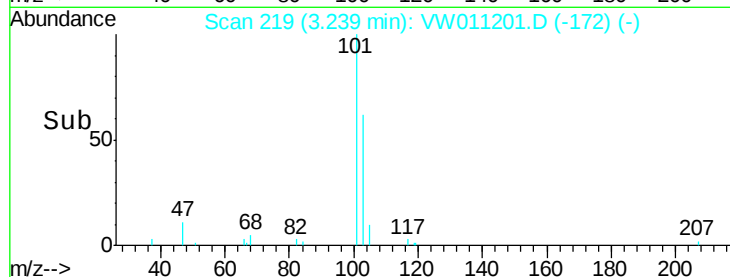
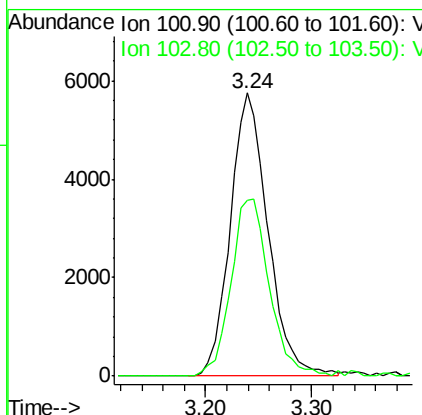
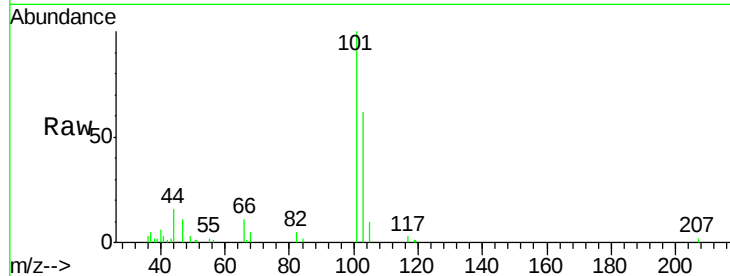
Trichlorofluoromethane
Concen: 15.649 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.3	76.9

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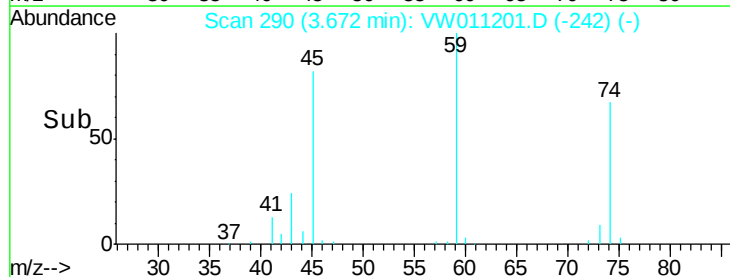
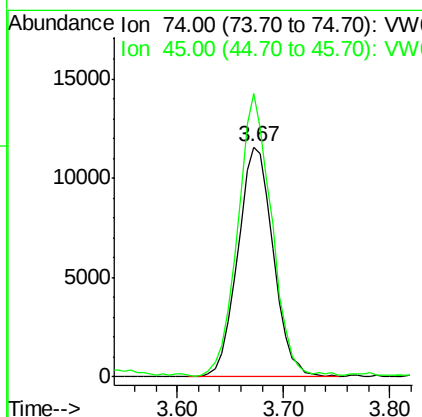
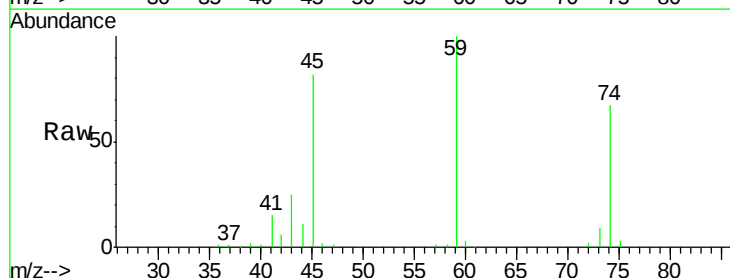
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7/11/2019 2:50:15 PM



#8

Diethyl Ether
Concen: 21.432 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.2	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.027 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

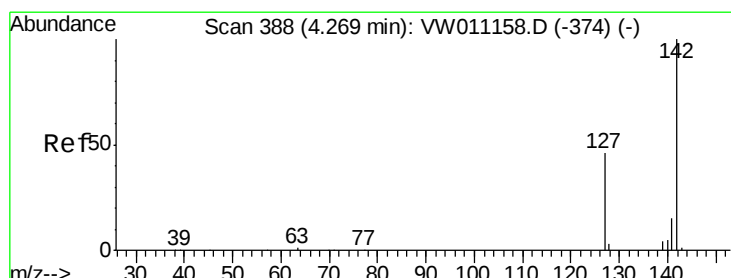
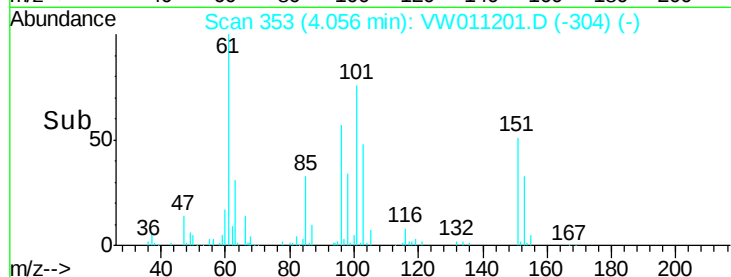
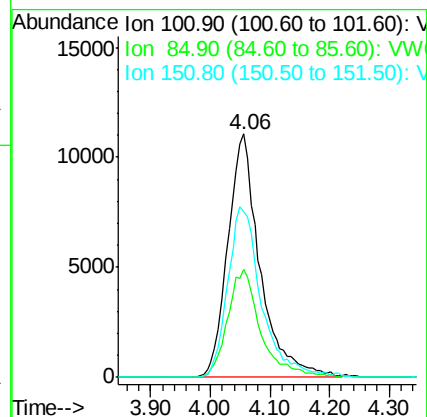
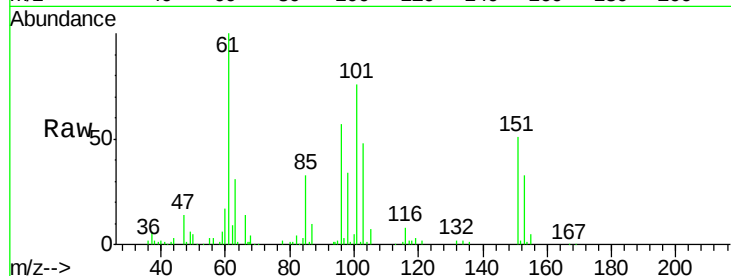
ClientSampleId :

VW0711SBSD01

Tot Ion:	101	Resp:	41515
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.5	54.7
151	73.1	59.1	88.7

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#10

Methyl Iodide

Concen: 19.621 ug/l

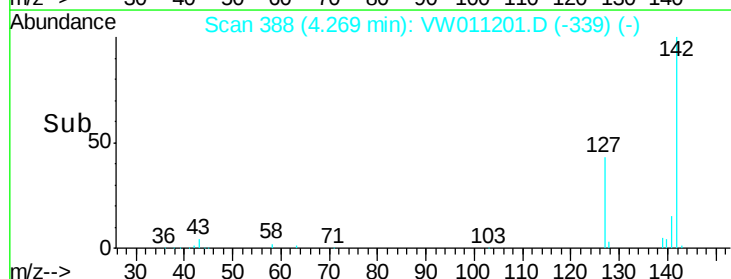
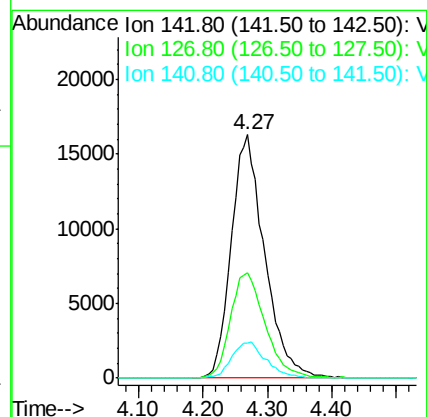
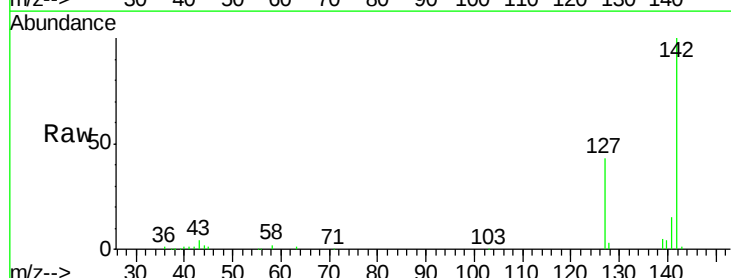
RT: 4.27 min Scan# 388

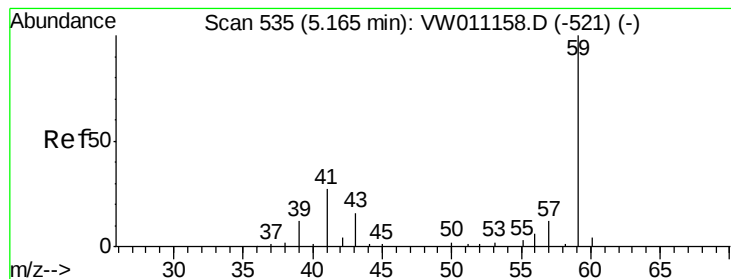
Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Tgt Ion:	142	Resp:	58882
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.7	53.5
141	15.2	11.5	17.3





#11

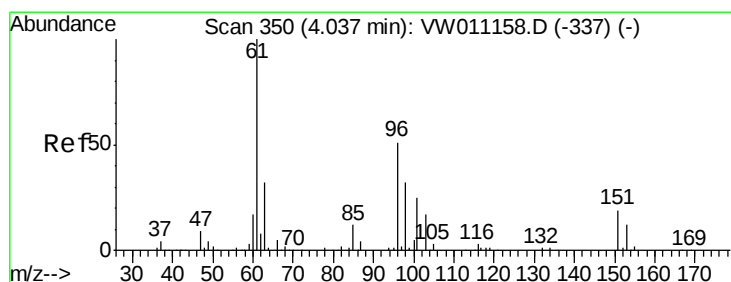
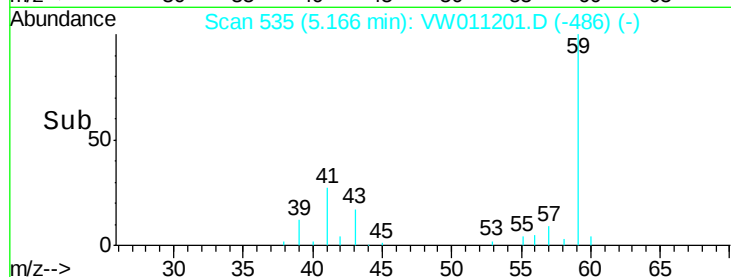
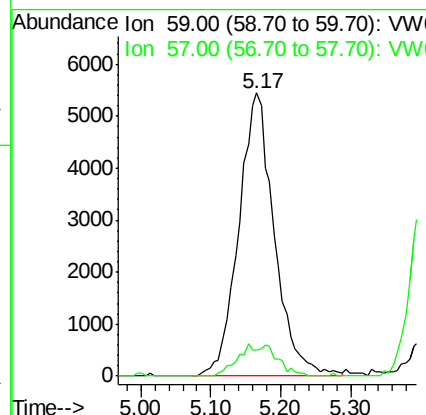
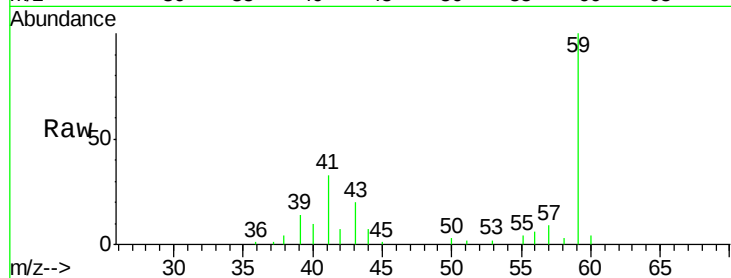
Tert butyl alcohol
 Concen: 101.556 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	19260		
57	6.3	9.0	13.6#	

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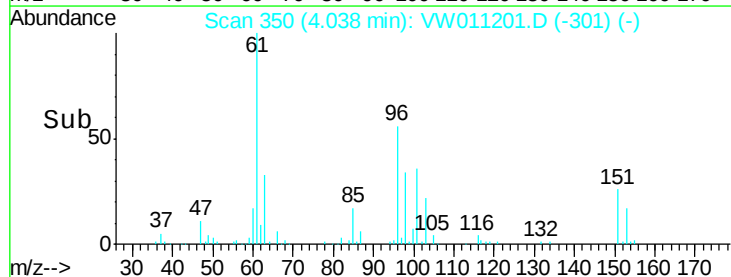
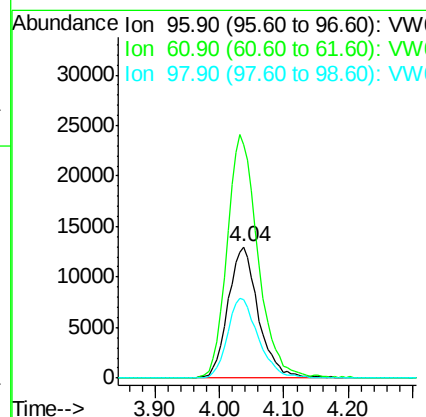
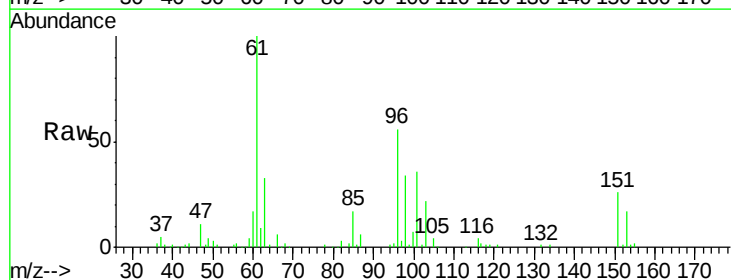
MMDadoda
 7/11/2019 2:50:15 PM

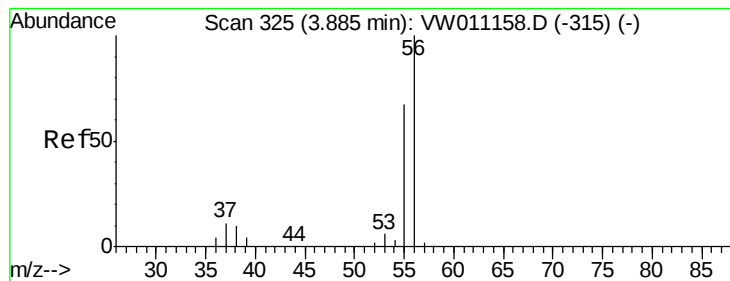


#12

1,1-Dichloroethene
 Concen: 18.999 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	43026		
61	178.0	157.7	236.5	
98	60.3	50.9	76.3	





#13

Acrolein

Concen: 98.777 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion: 56 Resp: 14917

Ion Ratio Lower Upper

56 100

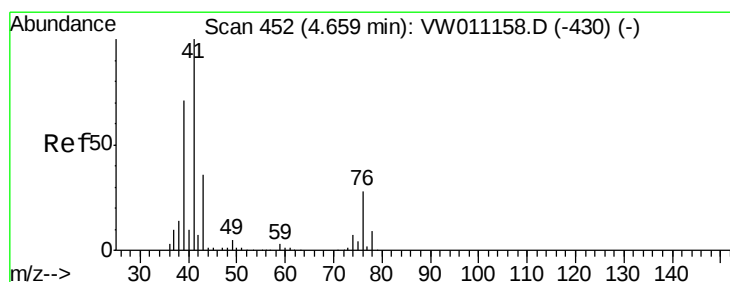
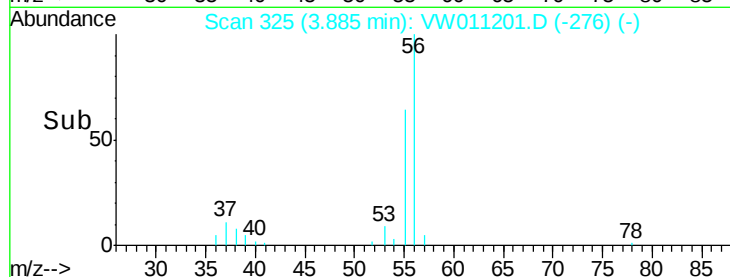
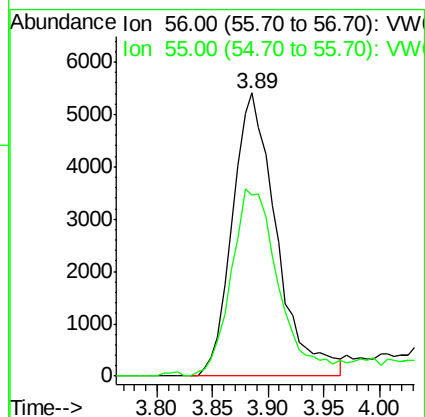
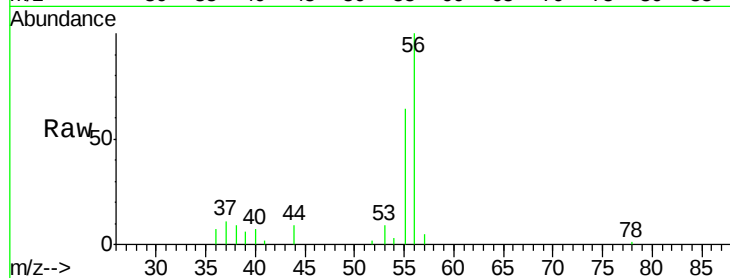
55 70.5 56.4 84.6

Manual Integrations

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MMDadoda

7/11/2019 2:50:15 PM



#14

Allyl chloride

Concen: 18.586 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

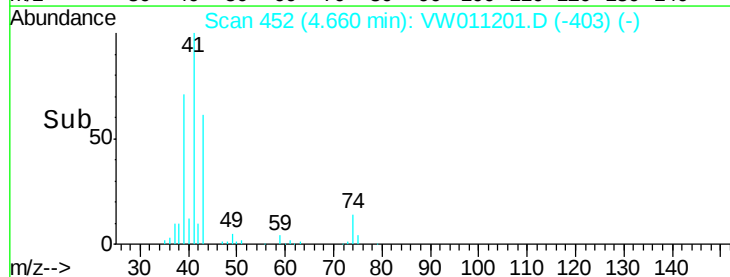
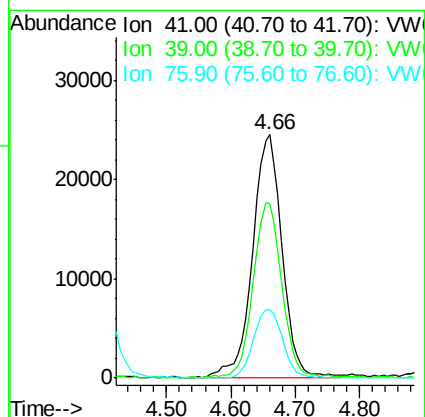
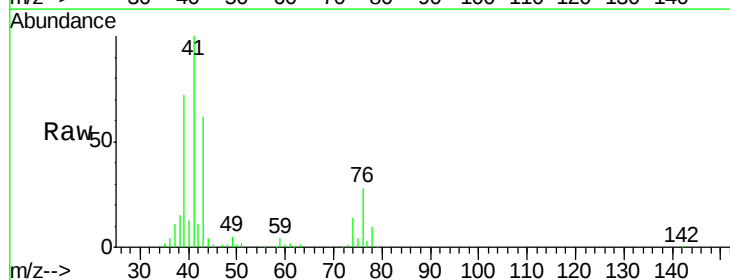
Tgt Ion: 41 Resp: 76757

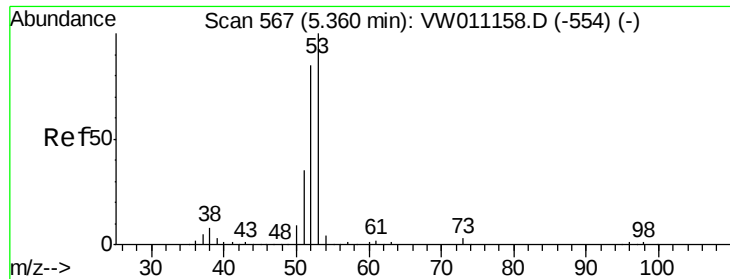
Ion Ratio Lower Upper

41 100

39 69.1 55.1 82.7

76 28.0 22.5 33.7





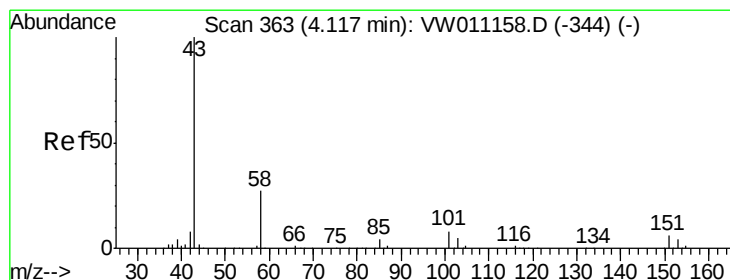
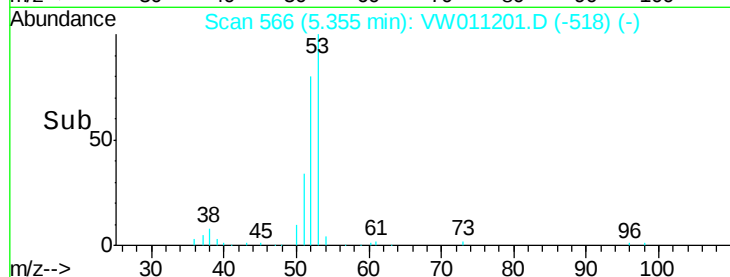
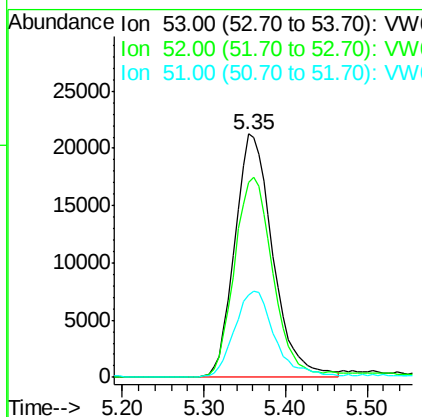
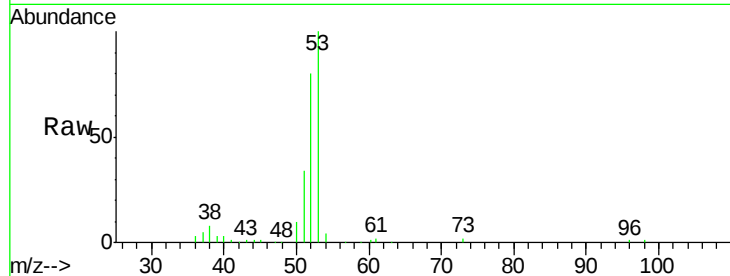
#15
 Acrylonitrile
 Concen: 107.251 ug/l
 RT: 5.35 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.4
51	37.8	29.1	43.7

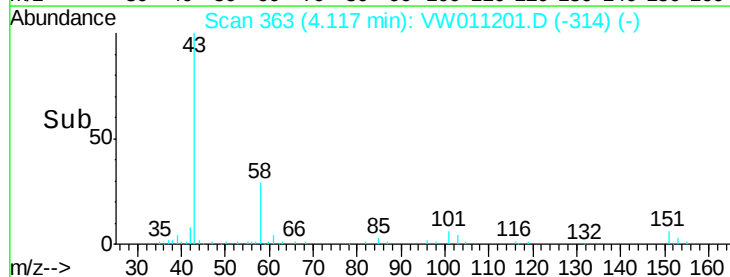
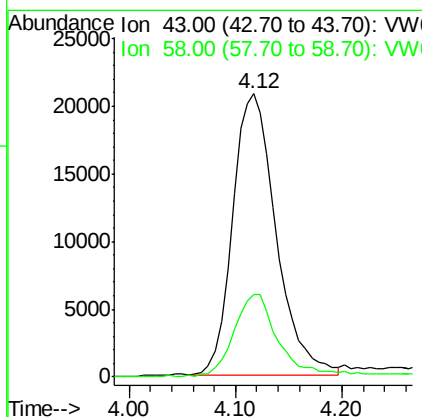
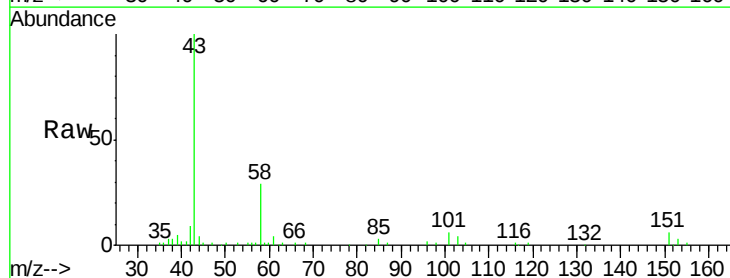
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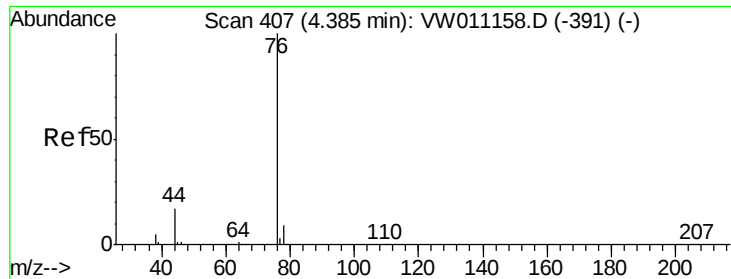
MMDadoda
 7/11/2019 2:50:15 PM



#16
 Acetone
 Concen: 95.827 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.7	21.8	32.6





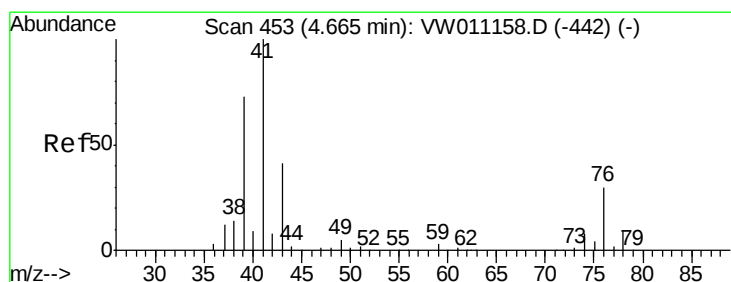
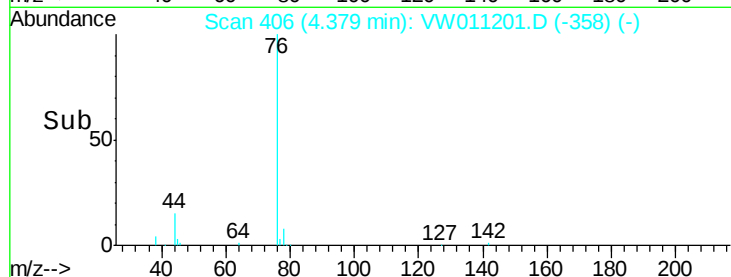
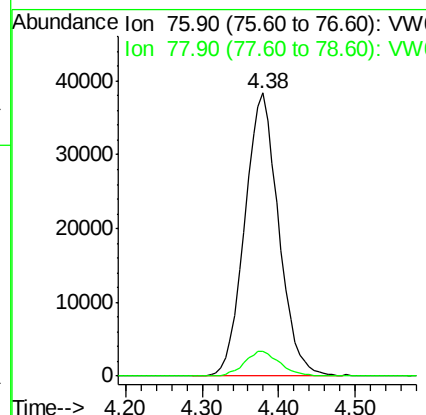
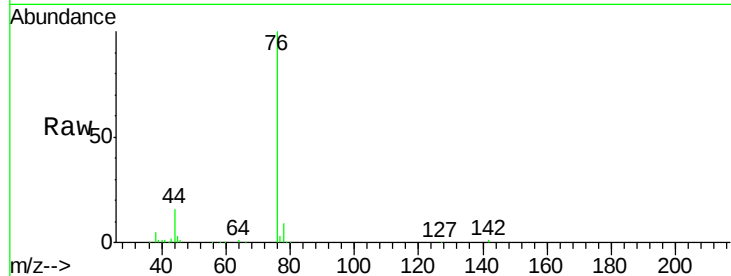
#17
Carbon Disulfide
Concen: 17.197 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

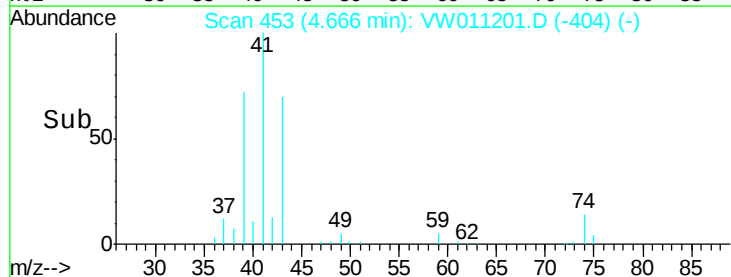
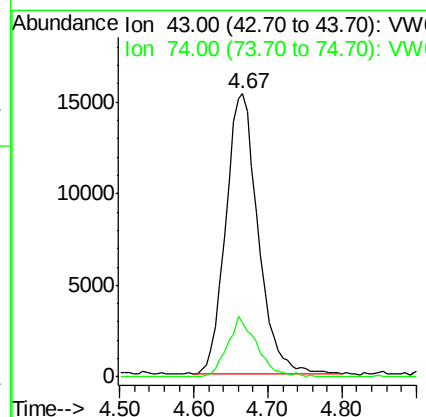
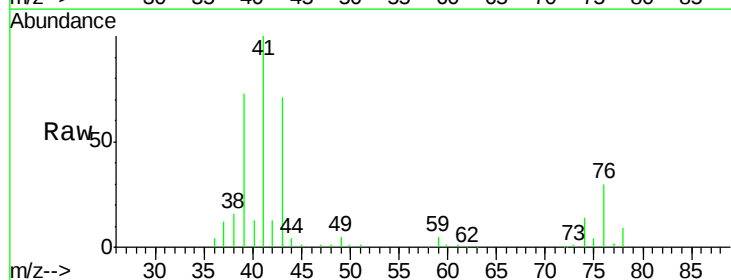
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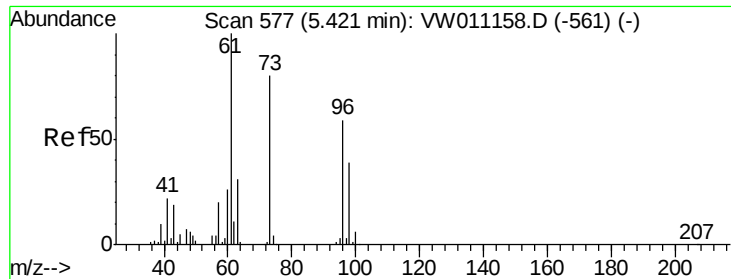
MMDadoda
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#18
Methyl Acetate
Concen: 25.926 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.2	15.7	23.5





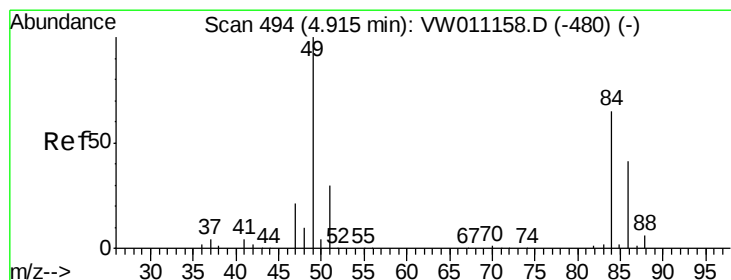
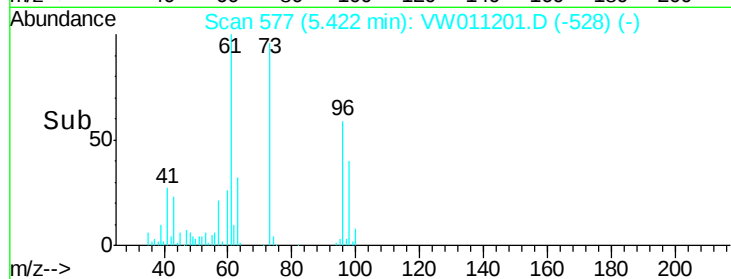
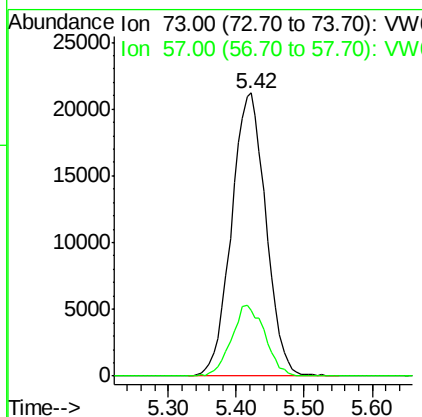
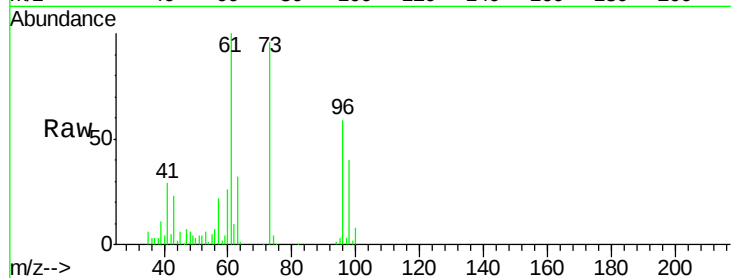
#19
Methyl tert-butyl Ether
Concen: 21.624 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion: 73 Resp: 74304
Ion Ratio Lower Upper
73 100
57 23.1 19.7 29.5

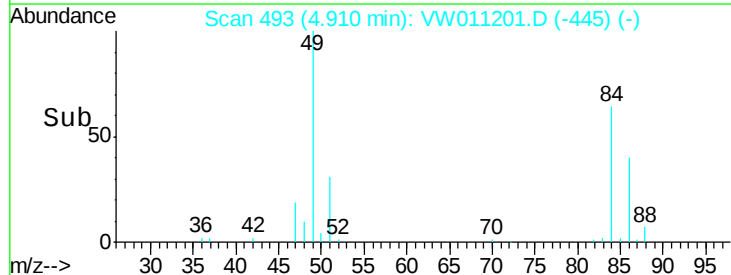
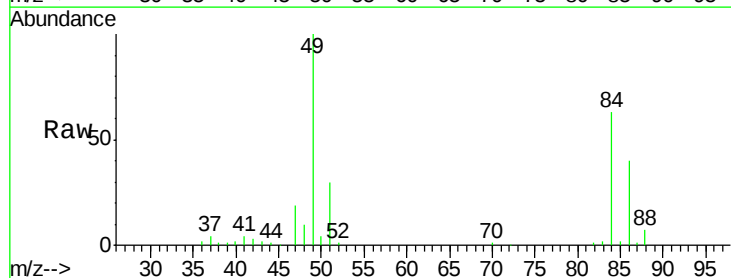
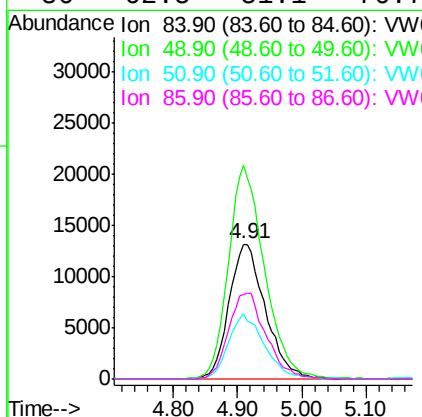
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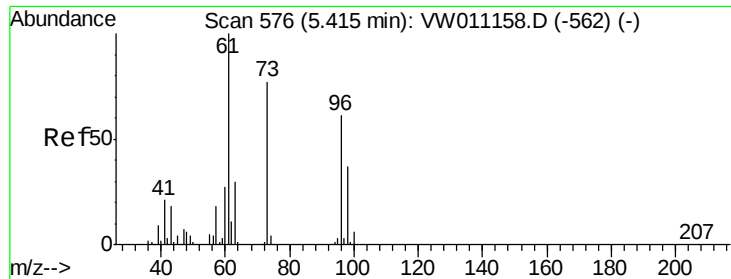
MMDadoda
7/11/2019 2:50:15 PM



#20
Methylene Chloride
Concen: 21.324 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion: 84 Resp: 51847
Ion Ratio Lower Upper
84 100
49 157.6 123.8 185.6
51 48.0 37.4 56.2
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.825 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

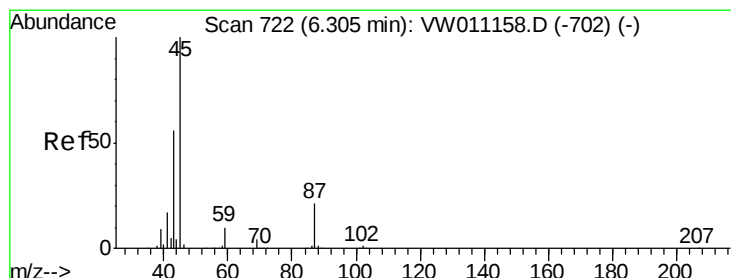
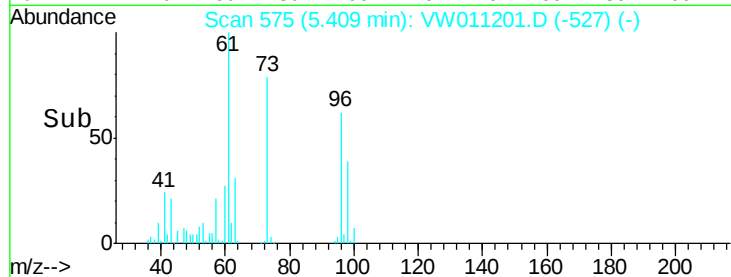
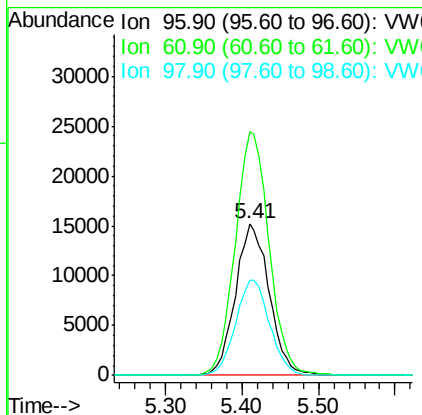
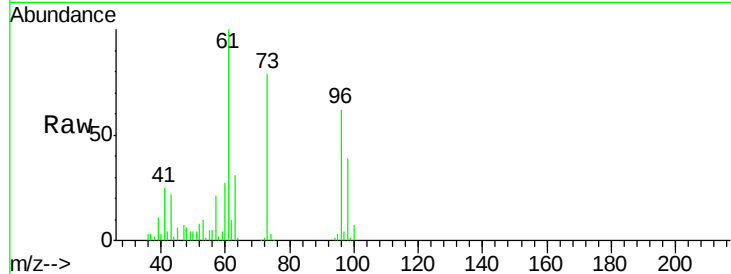
ClientSampleId :

VW0711SBSD01

Tot Ion:	96	Resp:	46653
Ion	Ratio	Lower	Upper
96	100		
61	160.7	132.2	198.2
98	62.8	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.255 ug/l

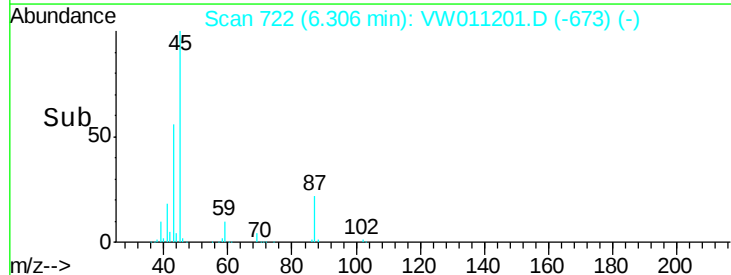
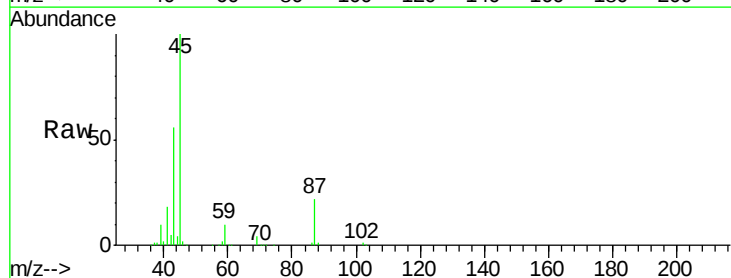
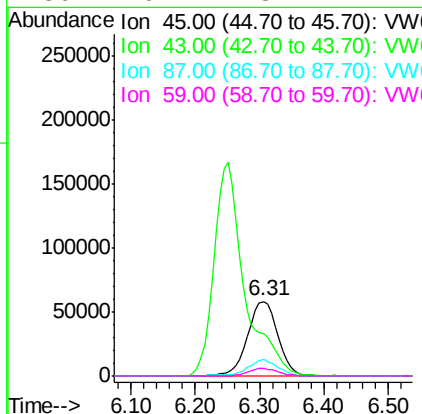
RT: 6.31 min Scan# 722

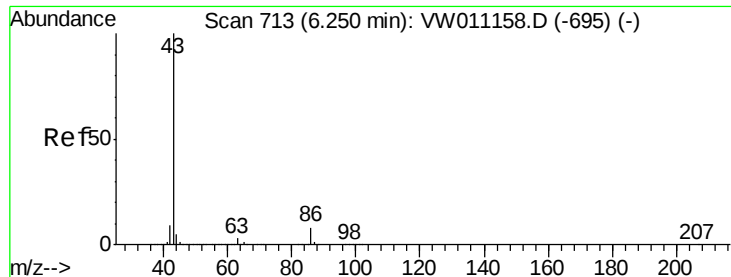
Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Tgt Ion:	45	Resp:	188790
Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.6	66.8
87	21.7	17.3	25.9
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 100.662 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion: 43 Resp: 553336

Ion Ratio Lower Upper

43 100

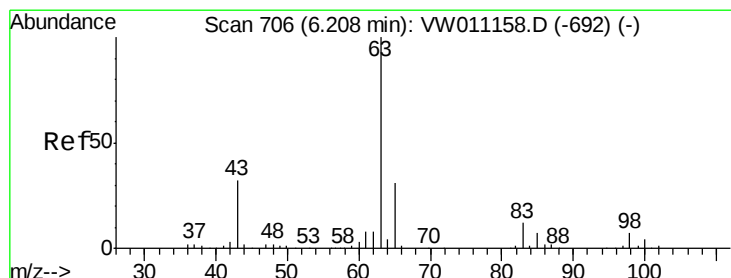
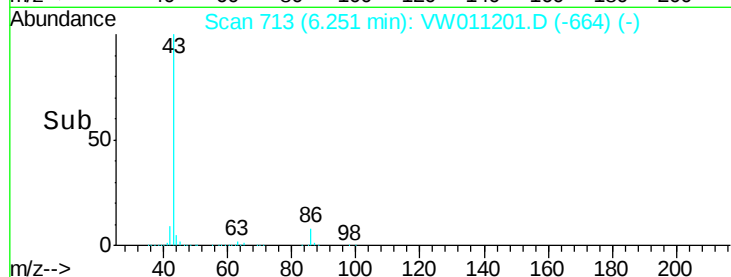
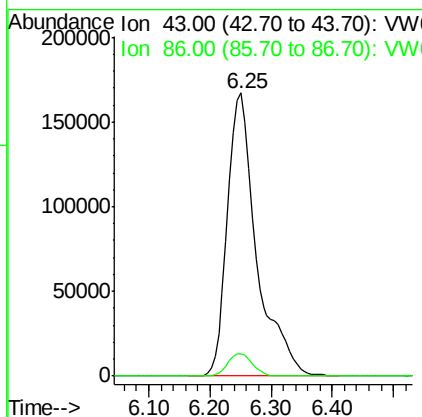
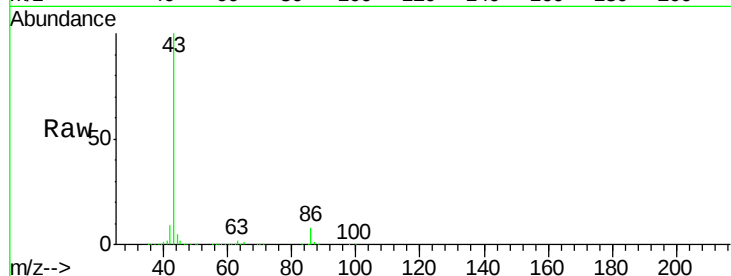
86 8.0 6.5 9.7

Manual Integrations

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MMDadoda

7/11/2019 2:50:15 PM



#24

1,1-Dichloroethane

Concen: 20.456 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

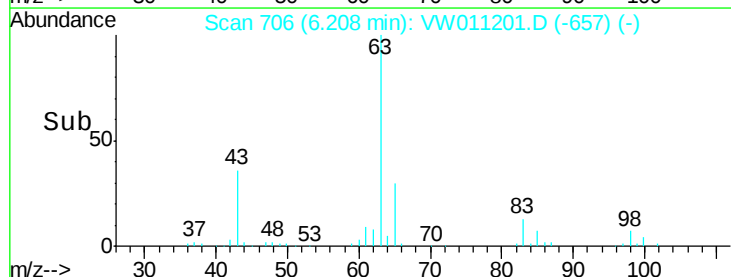
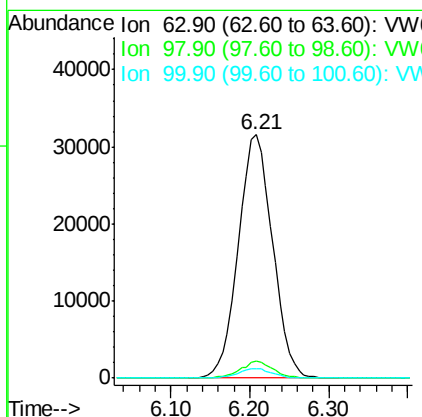
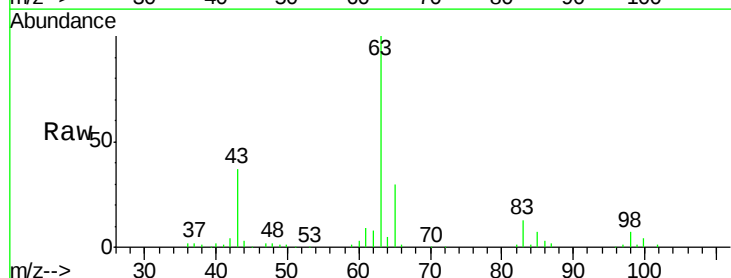
Tgt Ion: 63 Resp: 95410

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.1 2.1 6.2





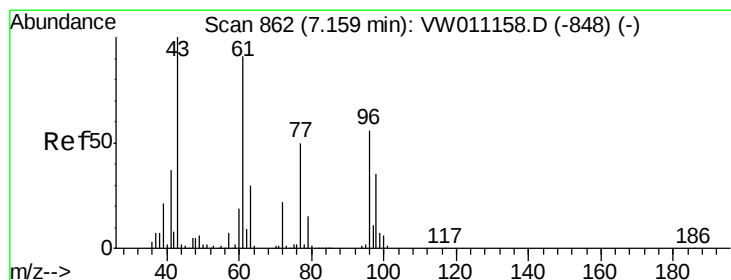
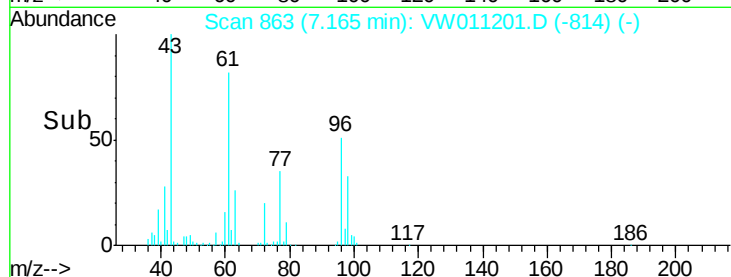
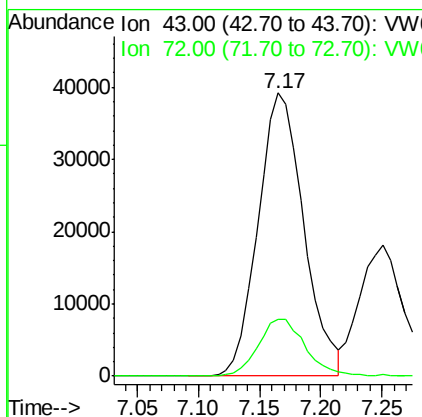
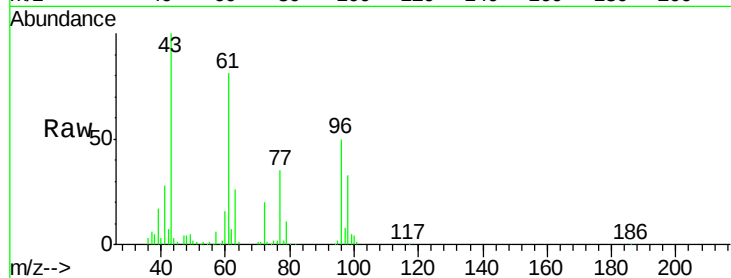
#25
2-Butanone
Concen: 105.323 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion: 43 Resp: 101899
Ion Ratio Lower Upper
43 100
72 20.2 17.6 26.4

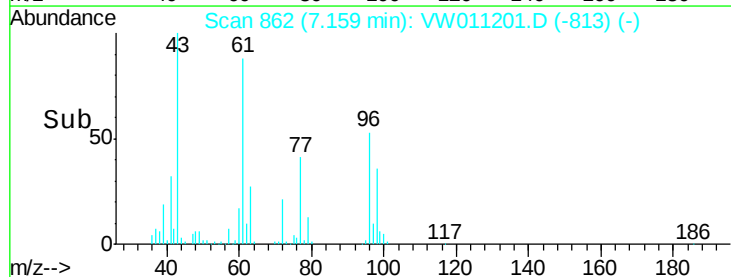
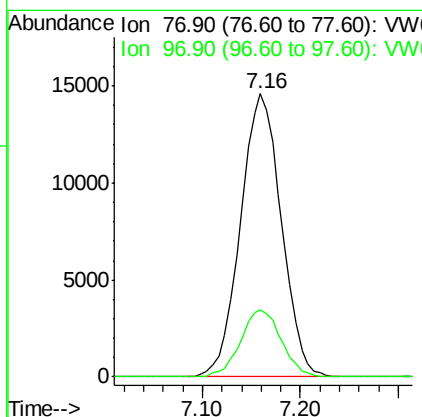
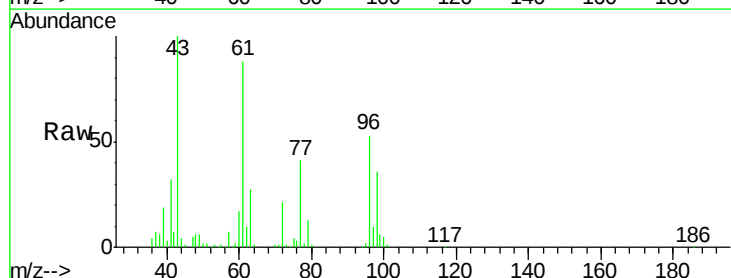
Manual Integrations
APPROVED

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7/11/2019 2:50:15 PM



#26
2,2-Dichloropropane
Concen: 17.454 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion: 77 Resp: 42317
Ion Ratio Lower Upper
77 100
97 23.7 11.2 33.5





#27

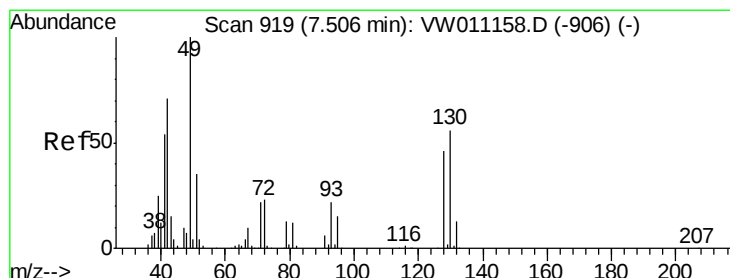
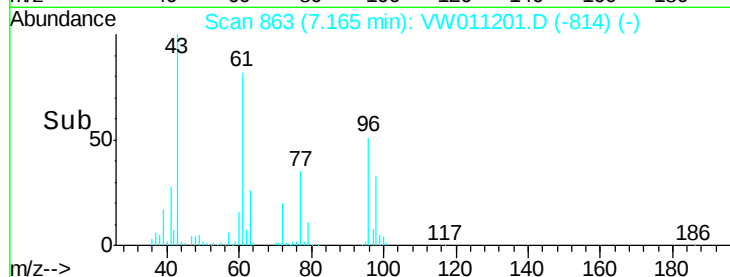
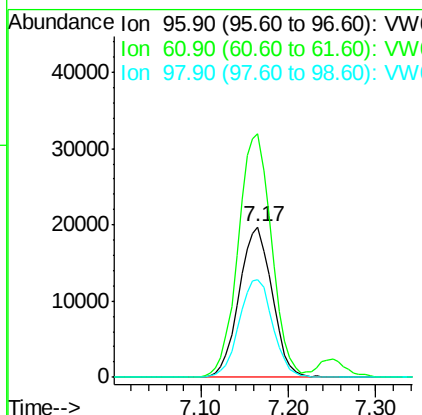
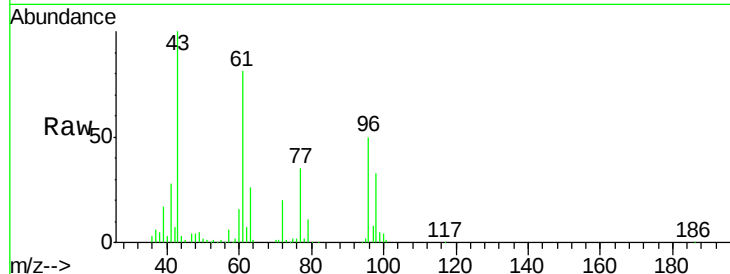
cis-1,2-Dichloroethene
Concen: 20.392 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.6	0.0	325.6
98	65.9	0.0	128.2

Manual Integrations
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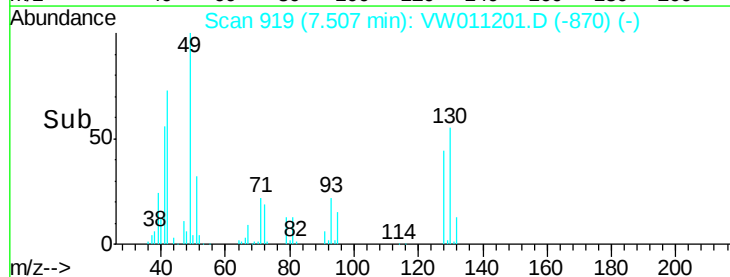
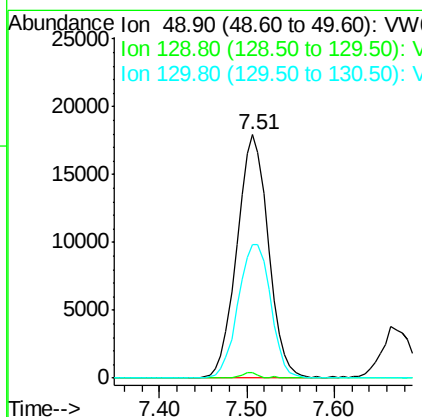
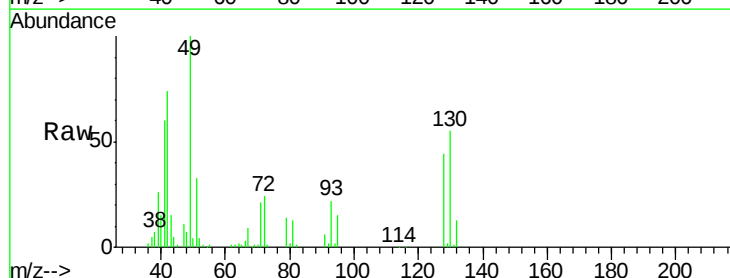
MMDadoda
7/11/2019 2:50:15 PM

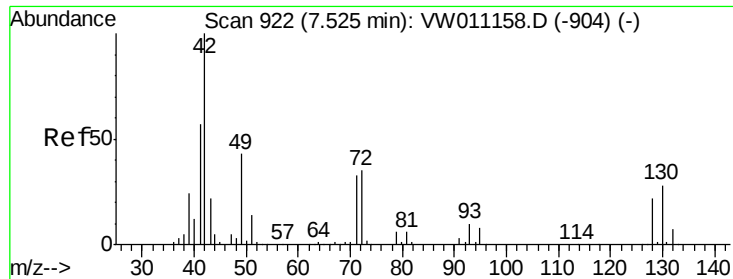


#28

Bromochloromethane
Concen: 21.148 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	1.4
130	56.9	45.8	68.8





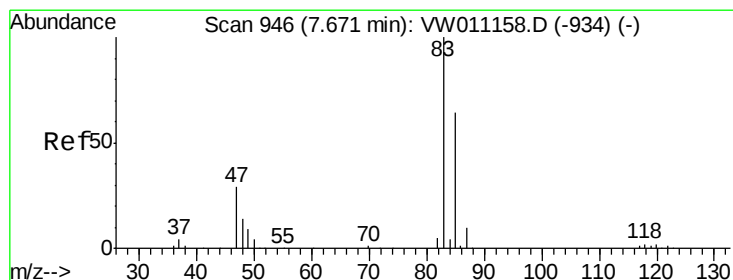
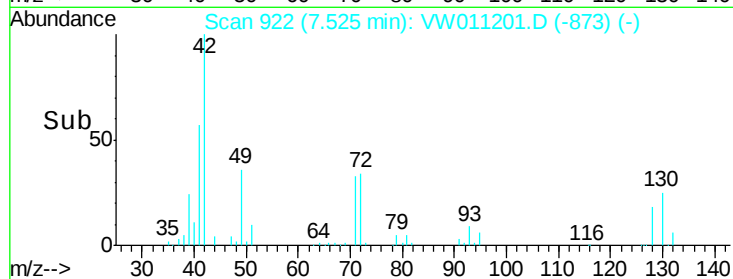
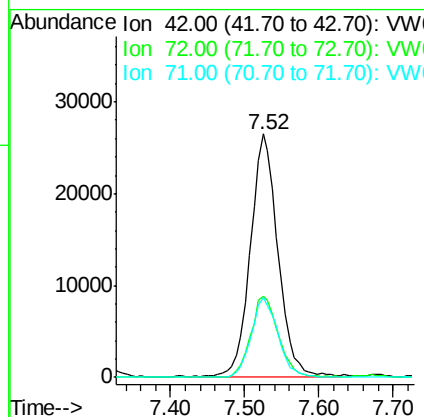
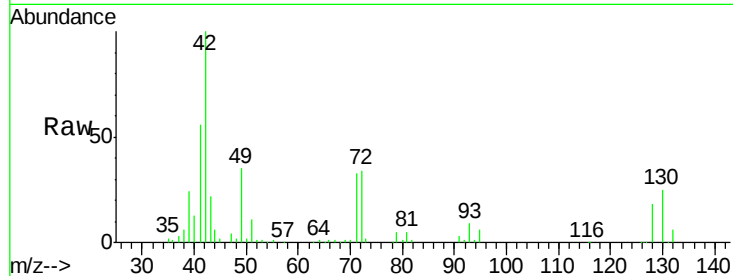
#29
Tetrahydrofuran
Concen: 107.966 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	27.4	41.2
71	32.3	25.9	38.9

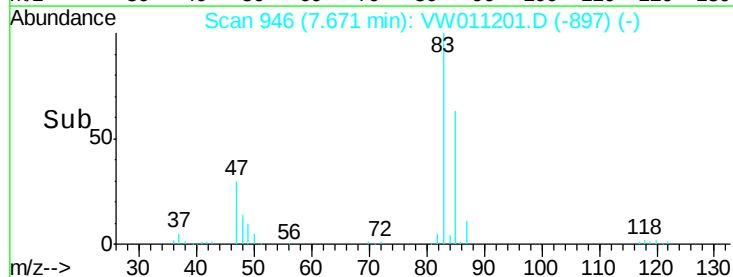
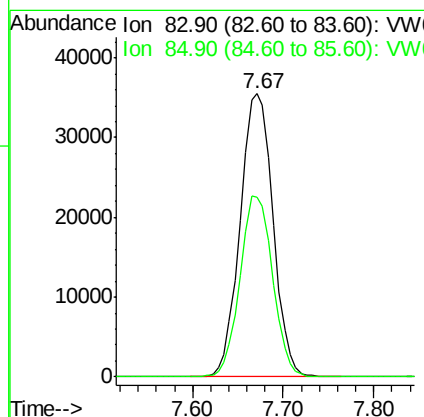
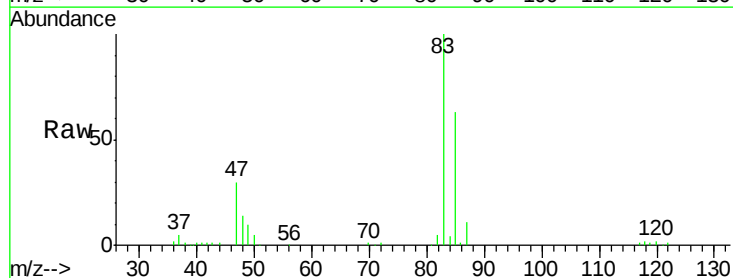
Manual Integrations
APPROVED

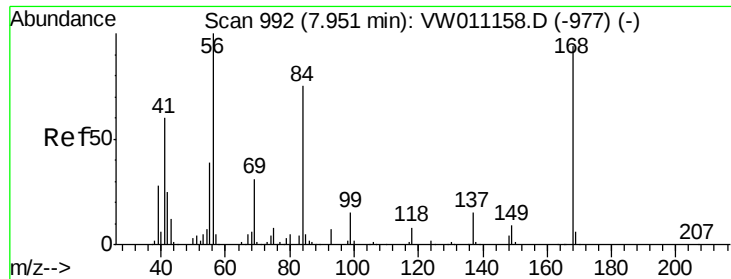
MMDadoda
7/11/2019 2:50:15 PM



#30
Chloroform
Concen: 20.631 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





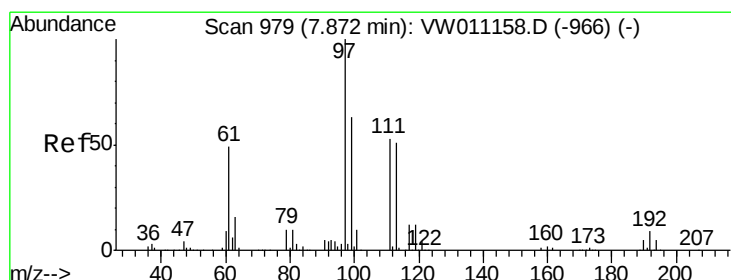
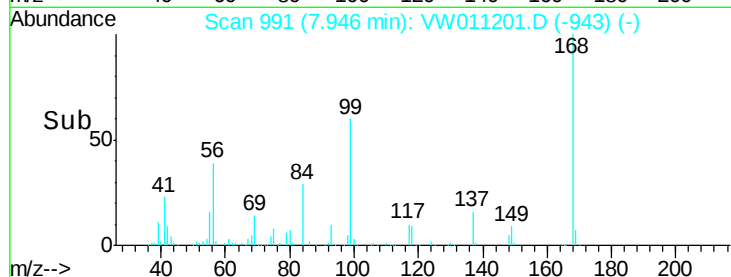
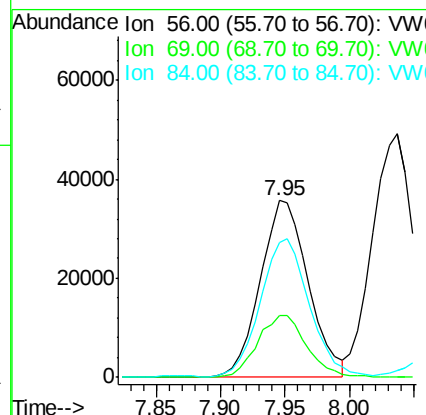
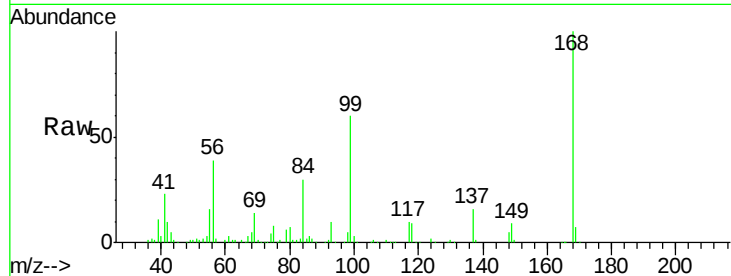
#31
Cyclohexane
Concen: 18.604 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.6	36.8
84	75.2	60.1	90.1

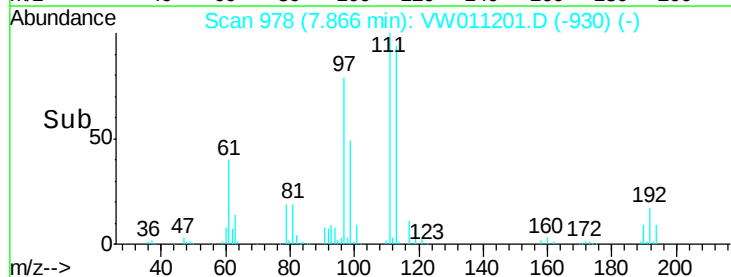
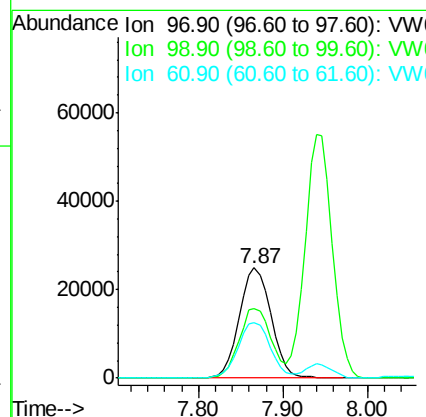
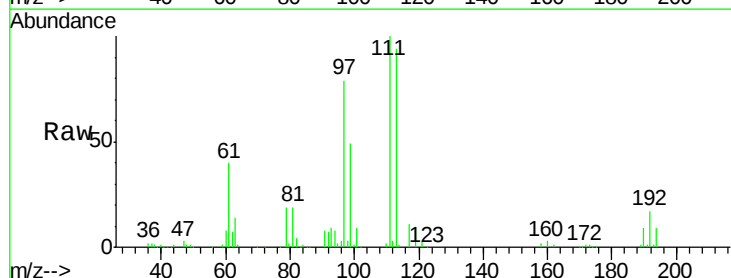
Manual Integrations
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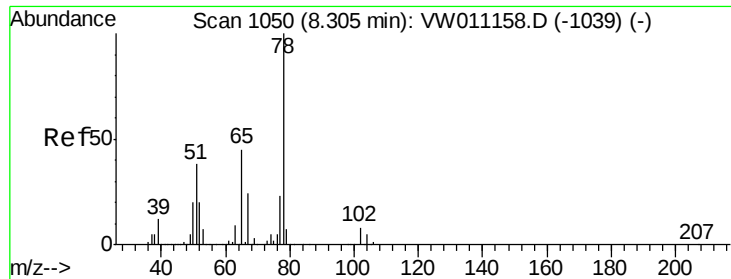
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.365 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	51.9	40.4	60.6





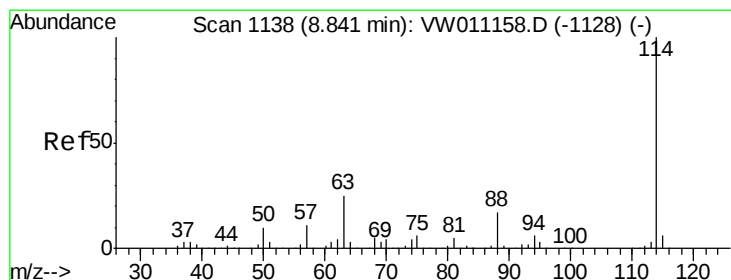
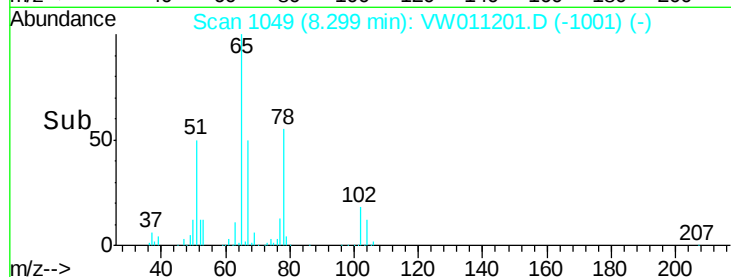
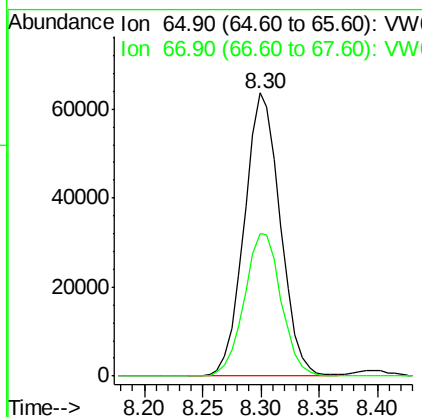
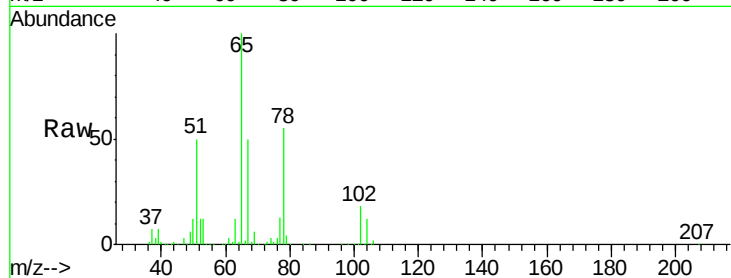
#33
 1,2-Dichloroethane-d4
 Concen: 53.561 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137201		
67	51.8	0.0	104.4	

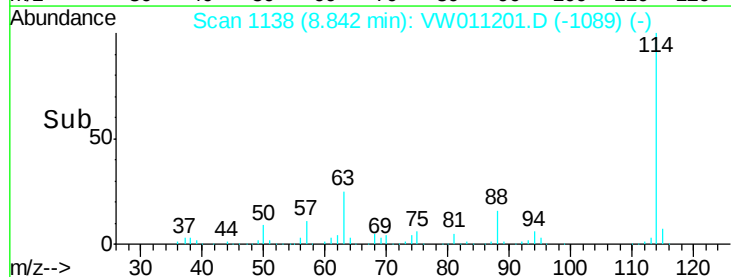
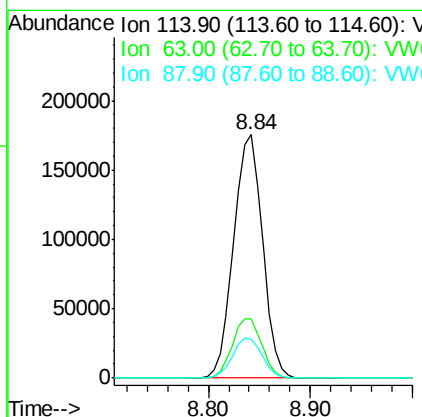
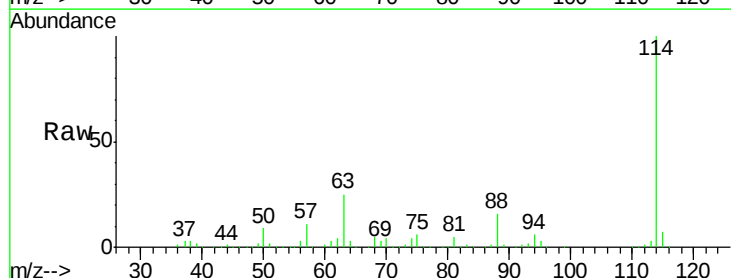
Manual Integrations
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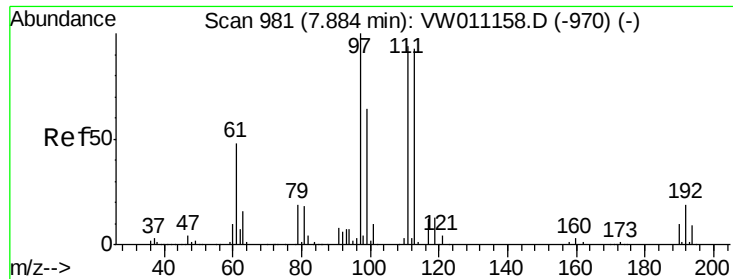
MMDadoda
 7/11/2019 2:50:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	345048		
63	24.5	0.0	50.8	
88	16.2	0.0	34.2	





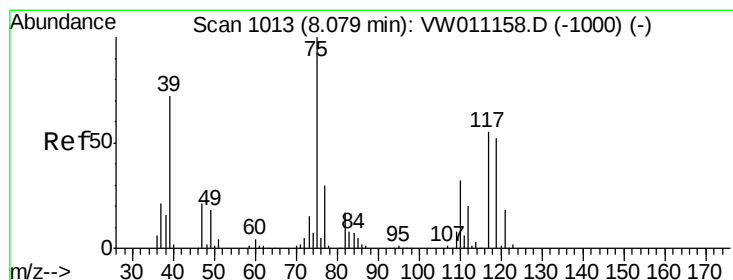
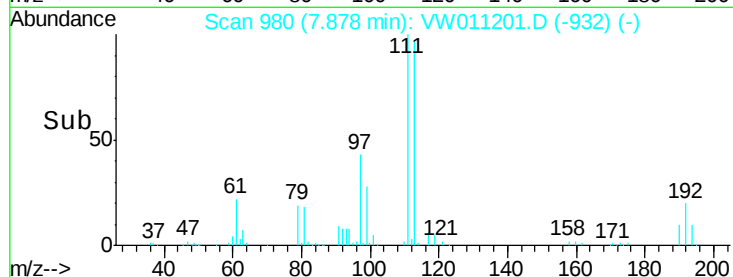
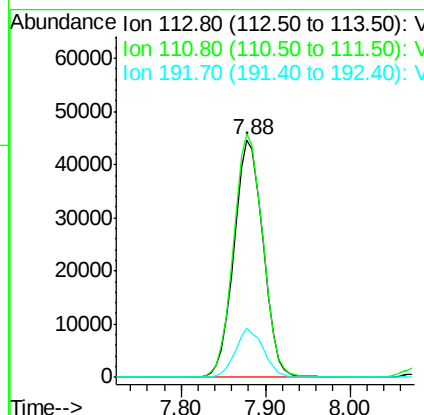
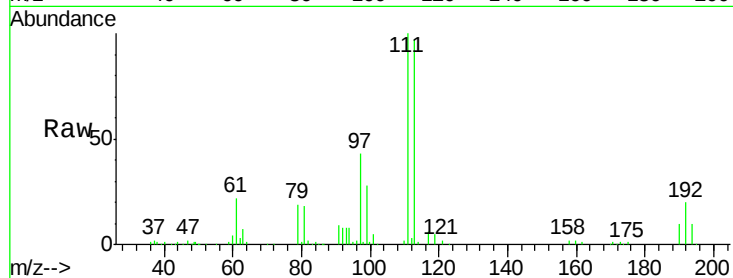
#35
Dibromofluoromethane
Concen: 50.703 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104278		
111	103.7	82.4	123.6	
192	19.7	15.8	23.8	

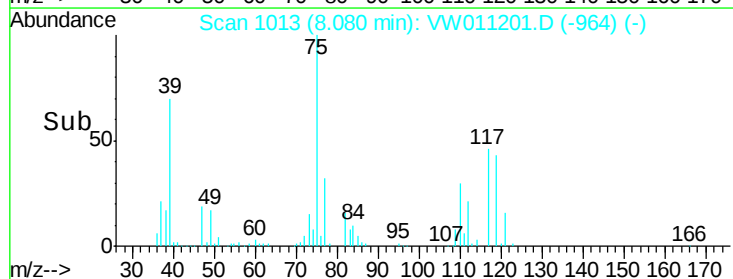
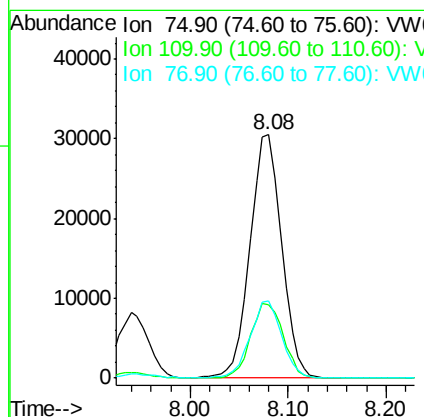
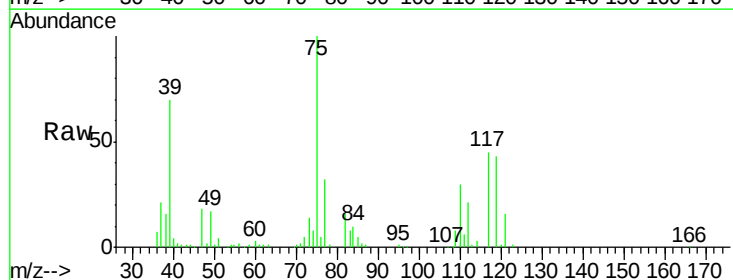
Manual Integrations
APPROVED

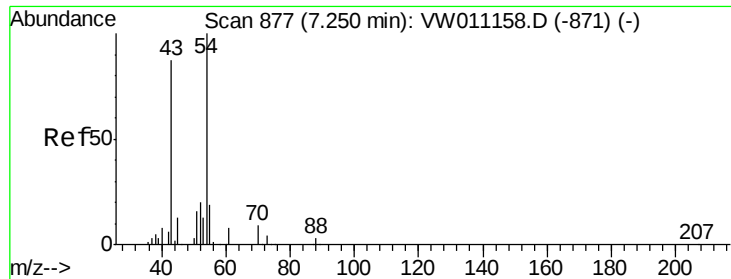
MMDadoda
7/11/2019 2:50:15 PM



#36
1,1-Dichloropropene
Concen: 18.753 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68907		
110	31.5	15.9	47.6	
77	31.7	24.6	36.8	





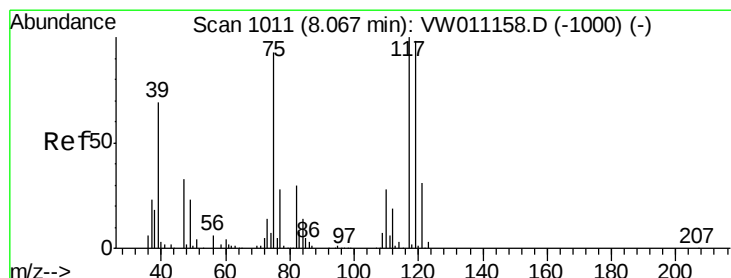
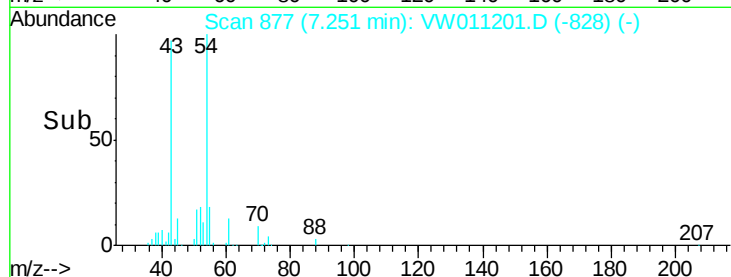
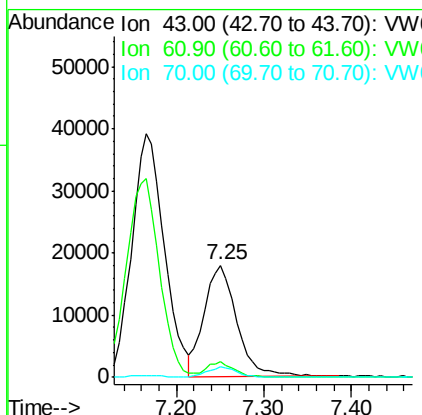
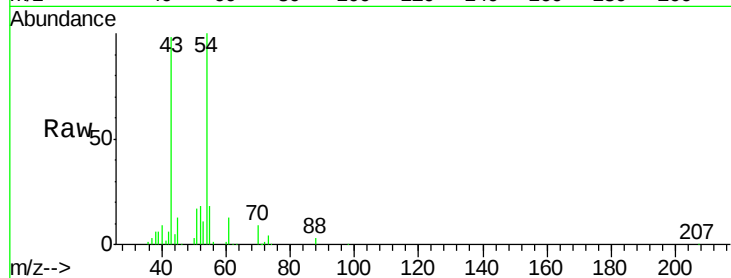
#37
Ethyl Acetate
Concen: 21.178 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.5	14.3
70	8.5	7.1	10.7

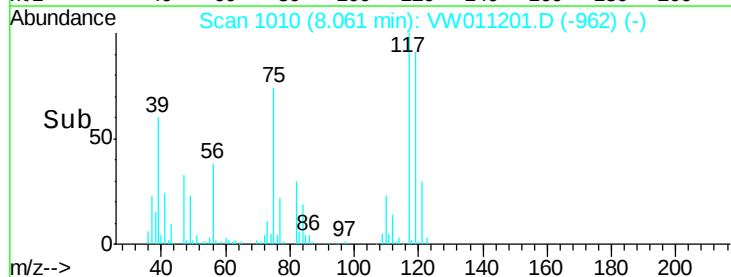
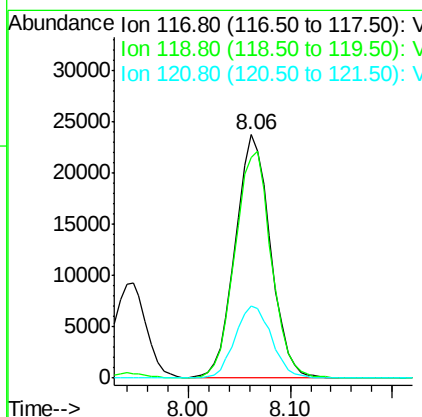
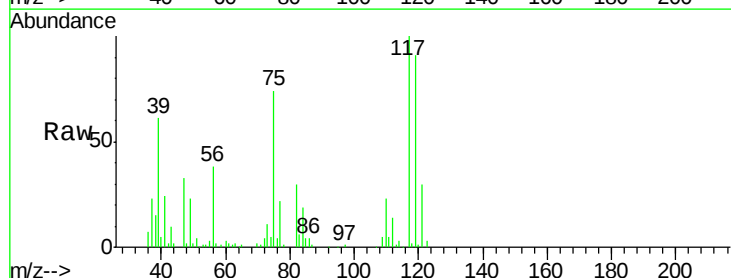
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.256 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	78.1	117.1
121	29.5	25.1	37.7





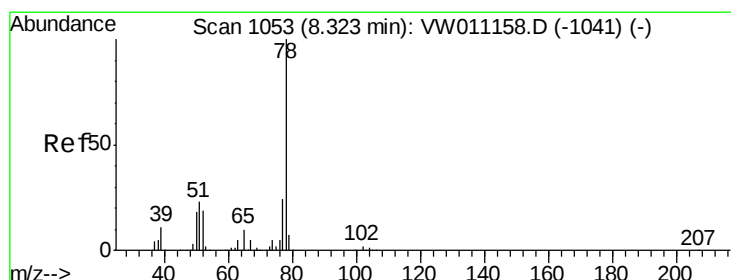
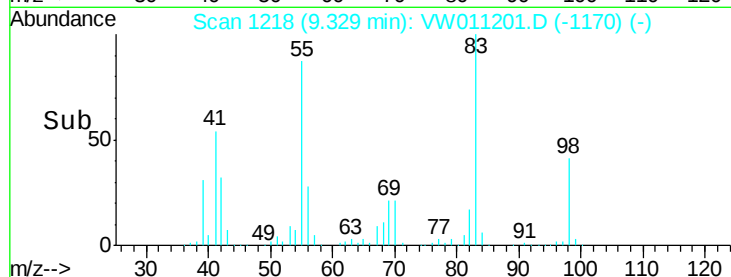
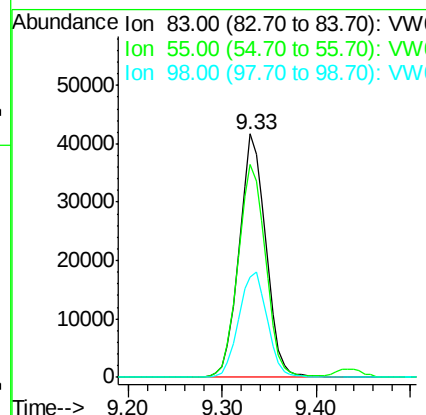
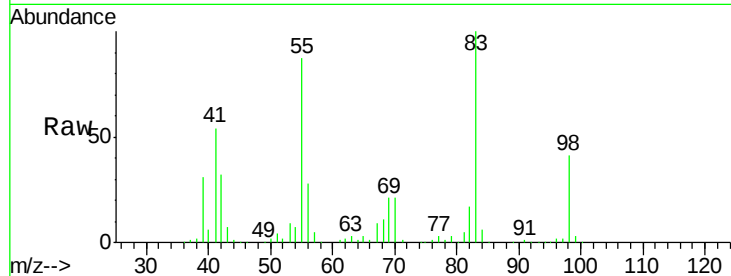
#39
Methvlcvclohexane
Concen: 18.470 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	71.2	106.8
98	41.3	37.5	56.3

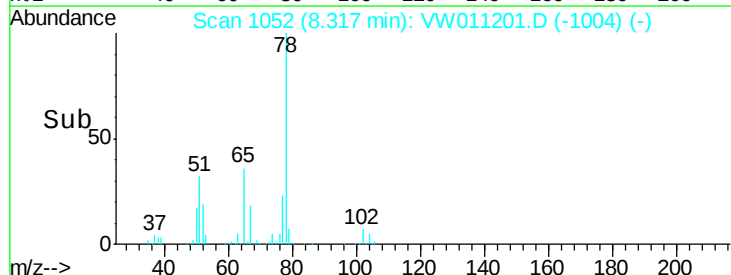
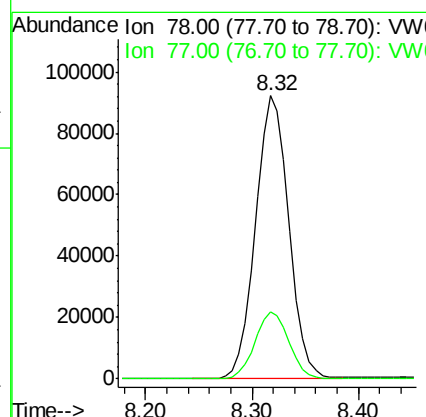
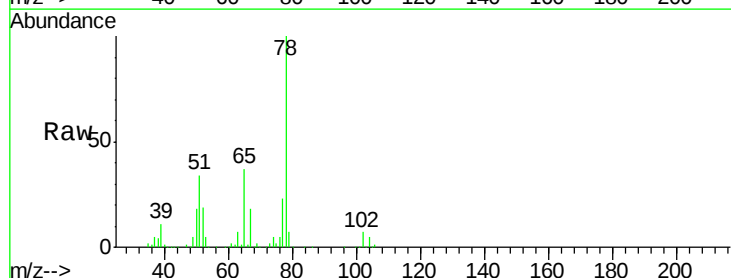
Manual Integrations
APPROVED

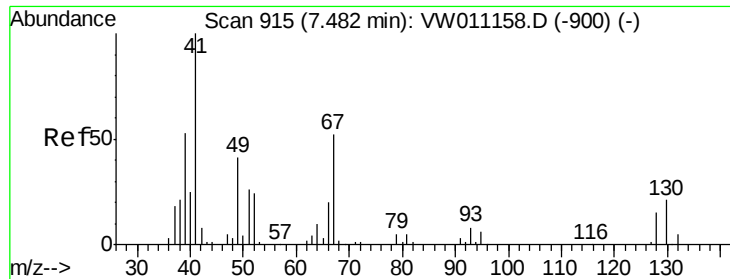
MMDadoda
7/11/2019 2:50:15 PM



#40
Benzene
Concen: 19.915 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





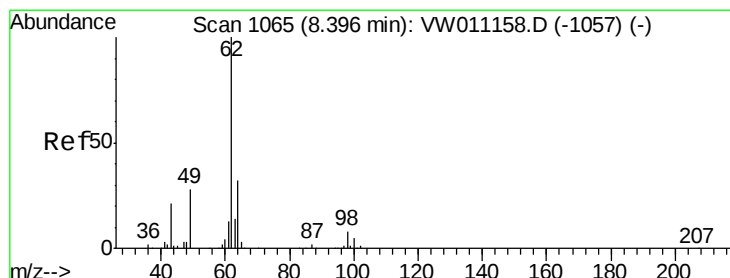
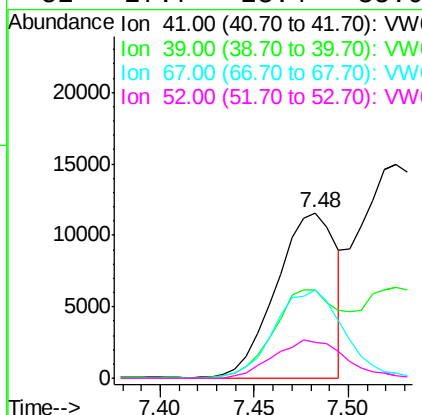
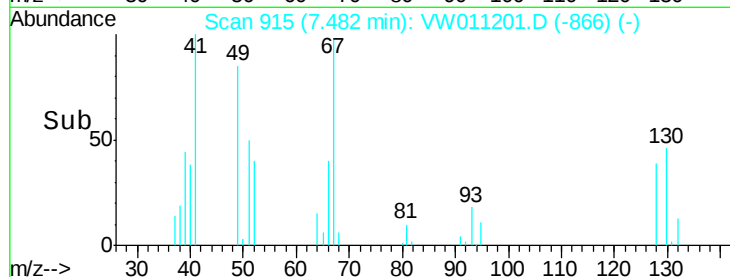
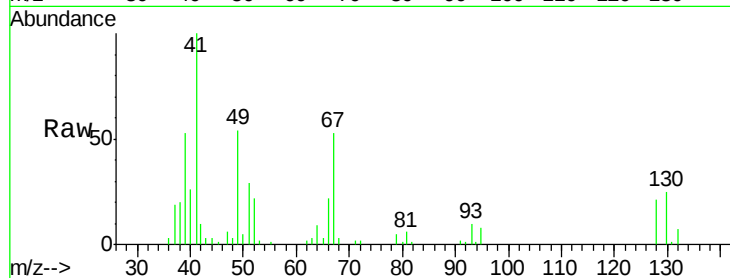
#41
Methacrylonitrile
Concen: 20.379 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBS01

Tot Ion	41	Resp	25732
Ion Ratio	Lower	Upper	
41	100		
39	61.0	48.0	72.0
67	61.8	49.7	74.5
52	27.7	23.4	35.0

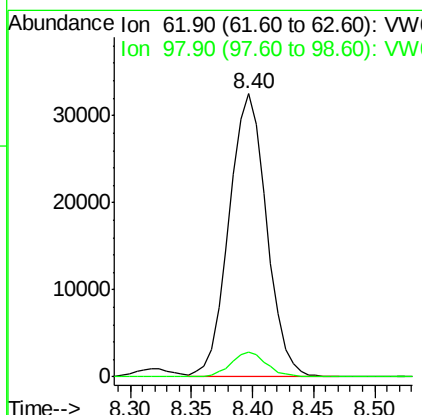
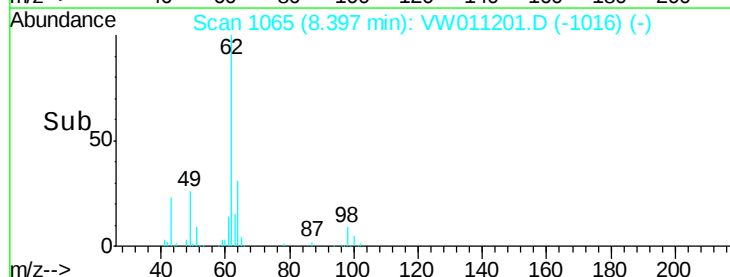
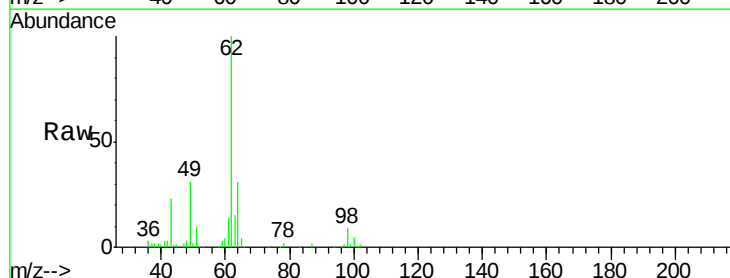
Manual Integrations
APPROVED

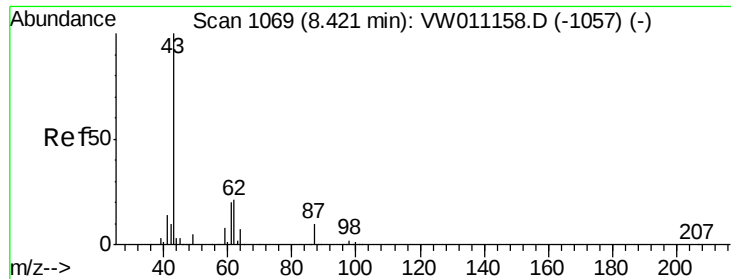
MMDadoda
7/11/2019 2:50:15 PM



#42
1,2-Dichloroethane
Concen: 20.993 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	62	Resp	69154
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.8





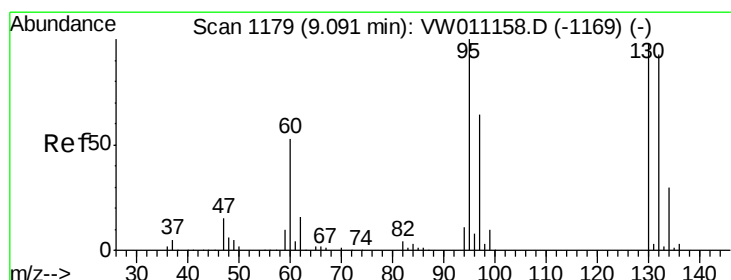
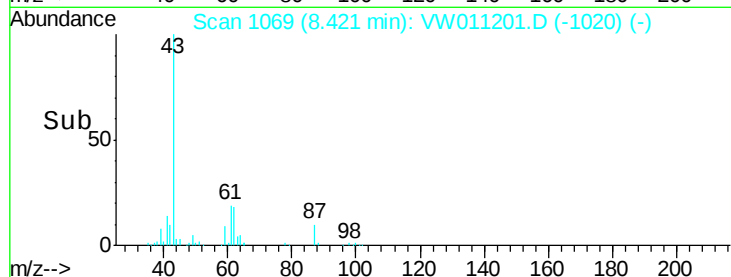
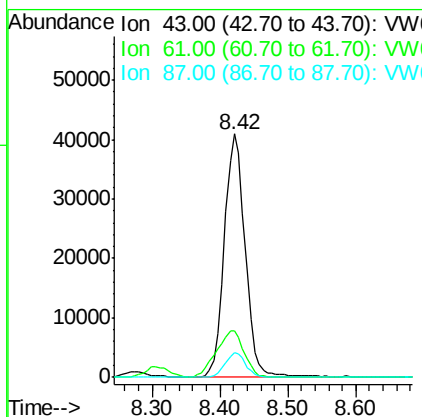
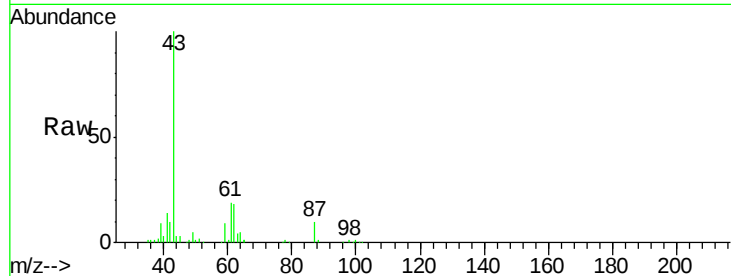
#43
Isopropyl Acetate
Concen: 20.776 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	43	Resp	86596
Ion Ratio	100	Lower	Upper
43	100		
61	25.8	20.7	31.1
87	10.0	8.1	12.1

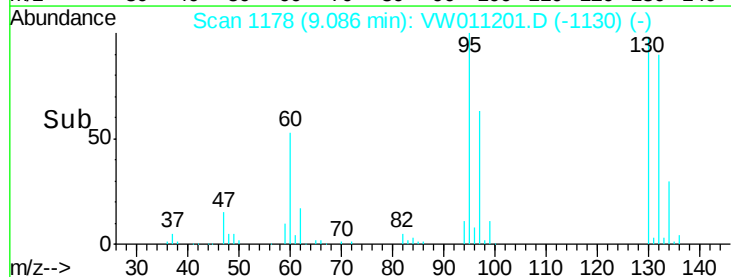
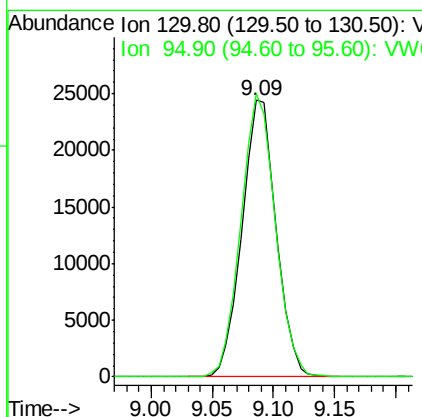
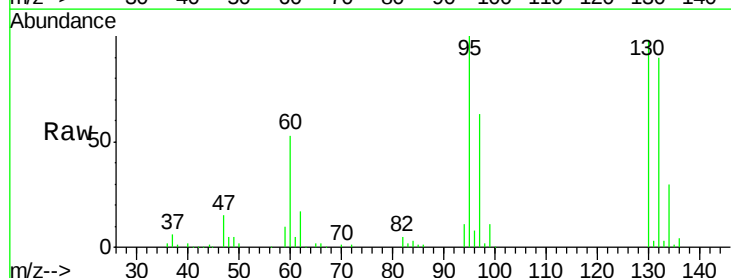
Manual Integrations
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#44
Trichloroethene
Concen: 19.451 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	130	Resp	47532
Ion Ratio	100	Lower	Upper
130	100		
95	102.3	0.0	203.6





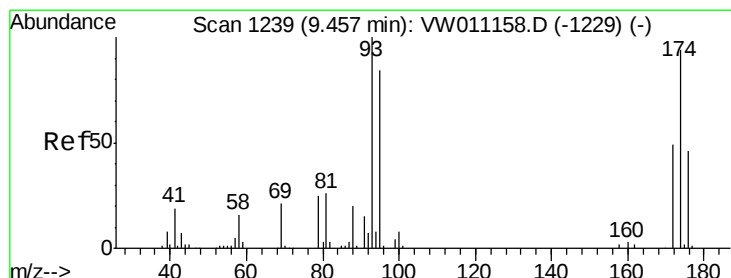
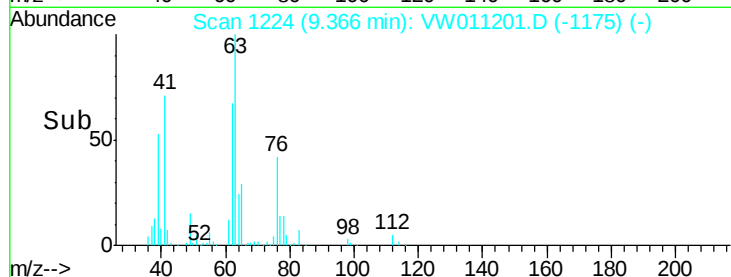
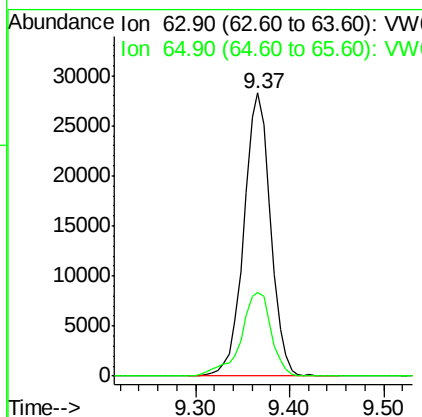
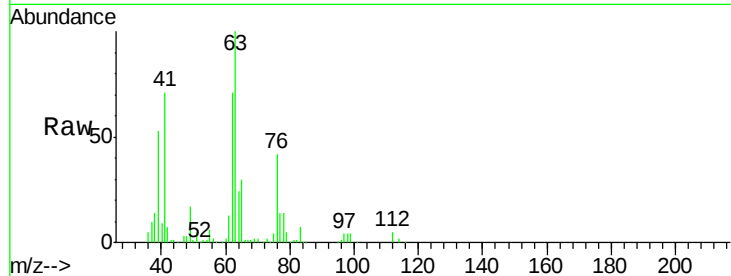
#45
 1,2-Dichloropropane
 Concen: 20.381 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion: 63 Resp: 56046
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6

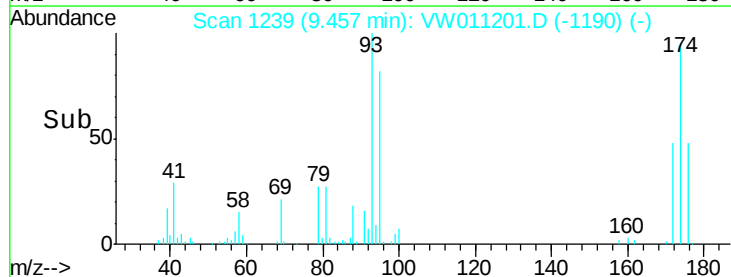
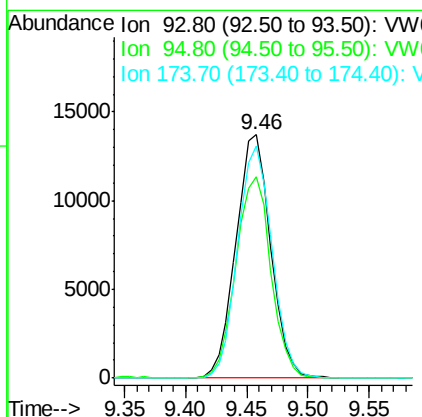
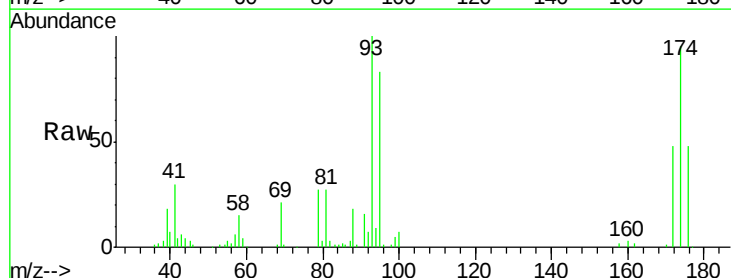
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.041 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion: 93 Resp: 27180
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.2 100.8
 174 94.0 76.3 114.5





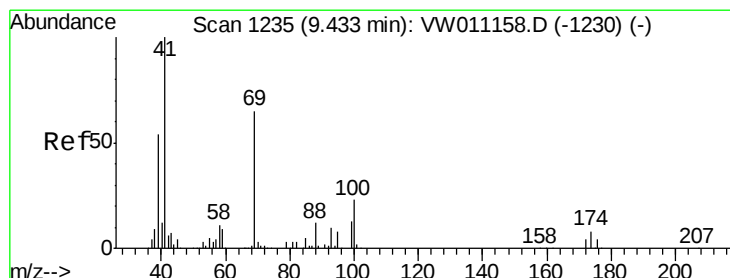
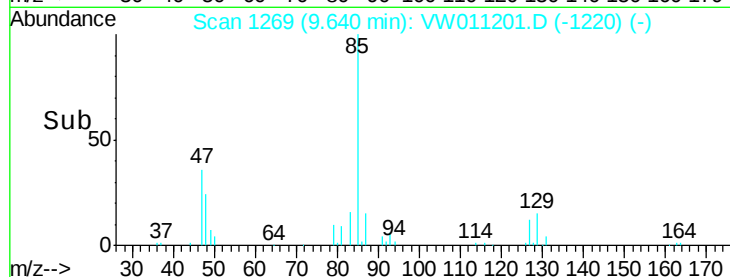
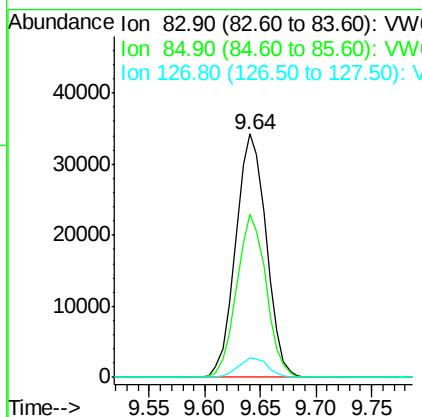
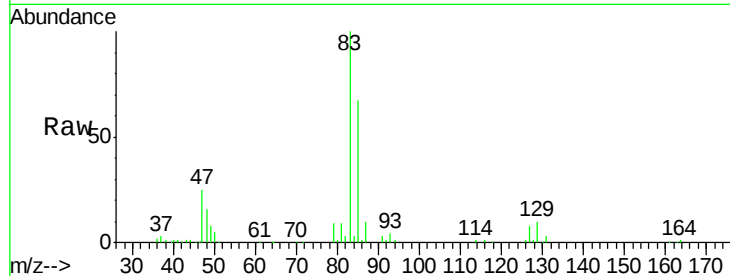
#47
Bromodichloromethane
Concen: 19.698 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	83	Resp	65104
Ion Ratio	100	Lower	Upper
83	100		
85	66.9	51.0	76.4
127	7.8	6.0	9.0

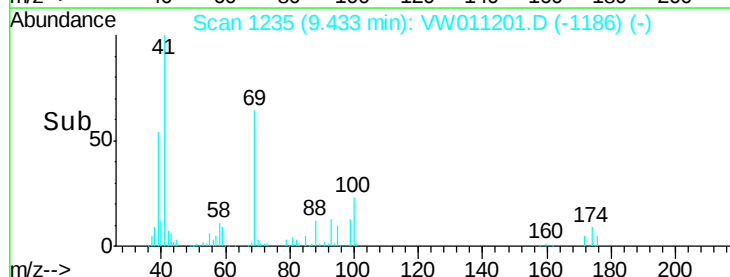
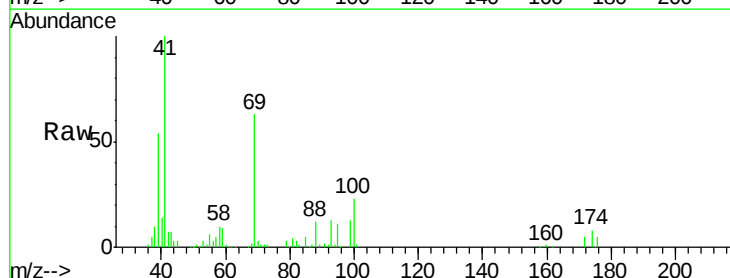
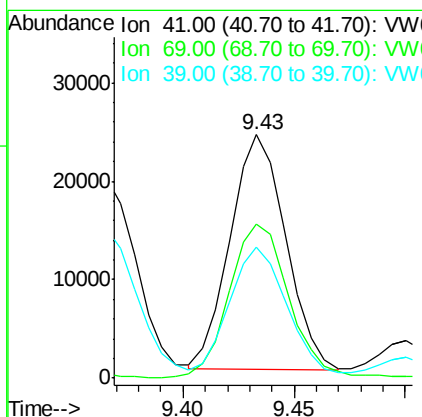
Manual Integrations
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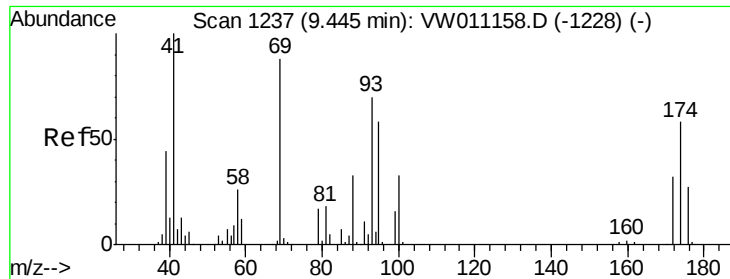
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#48
Methyl methacrylate
Concen: 20.648 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	41	Resp	41404
Ion Ratio	100	Lower	Upper
41	100		
69	71.7	56.0	84.0
39	58.5	43.5	65.3





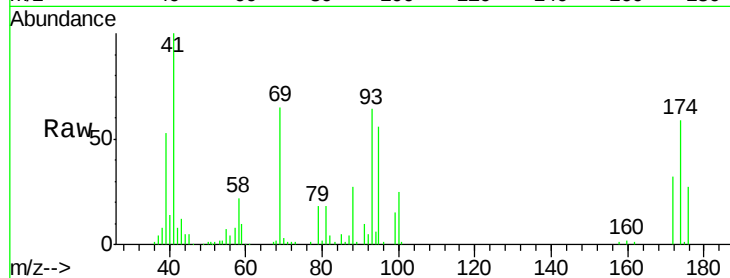
#49
1,4-Dioxane
Concen: 411.705 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

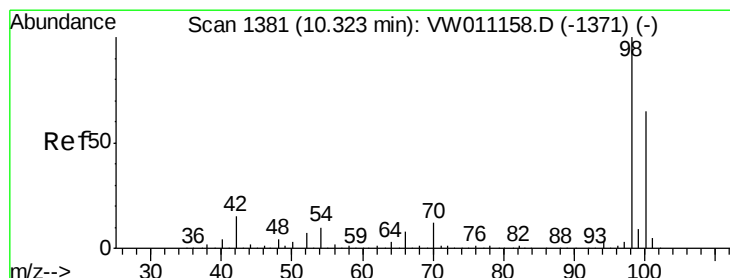
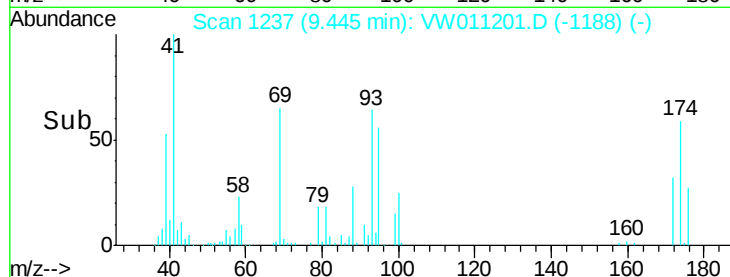
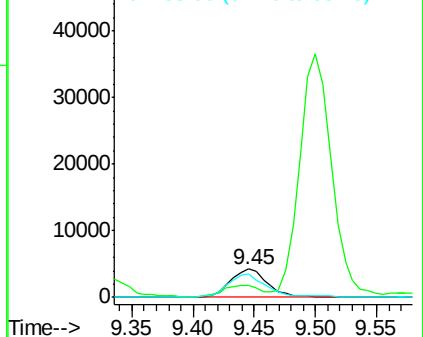
Tot Ion	88	Resp	8877
Ion	Ratio	Lower	Upper
88	100		
43	41.7	33.4	50.0
58	84.4	64.5	96.7

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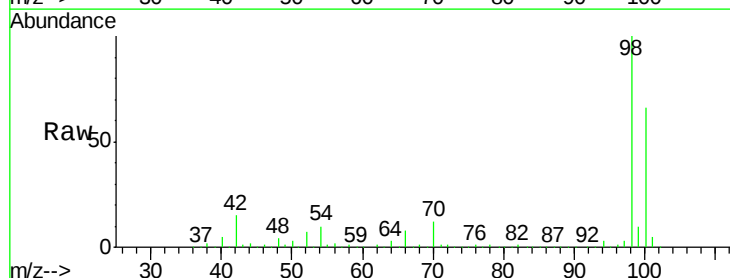


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

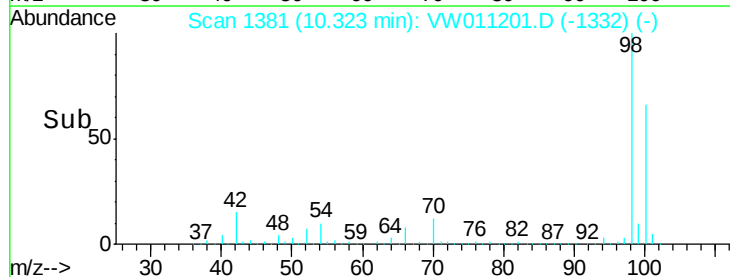
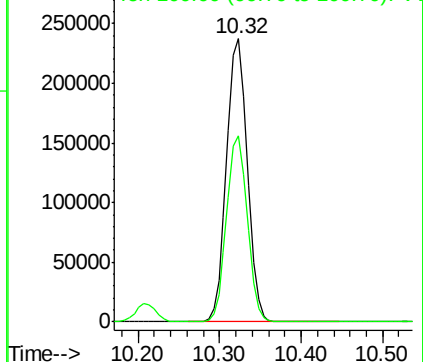


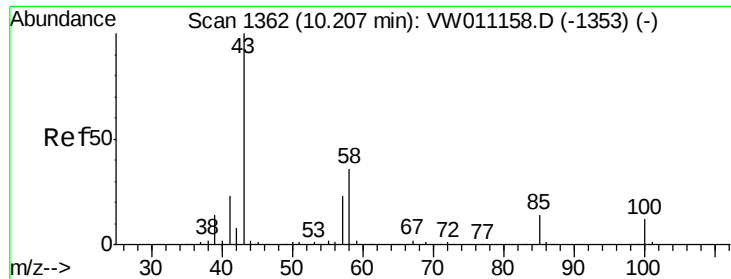
#50
Toluene-d8
Concen: 50.060 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	98	Resp	416164
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 106.597 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion: 43 Resp: 232094

Ion Ratio Lower Upper

43 100

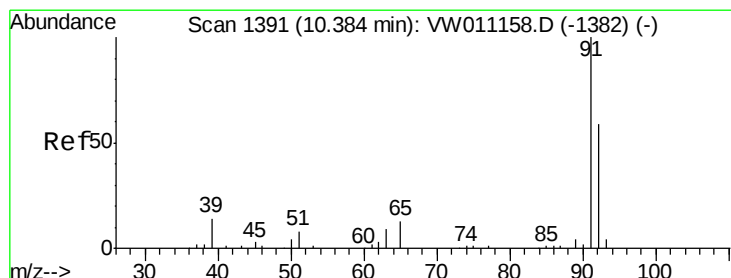
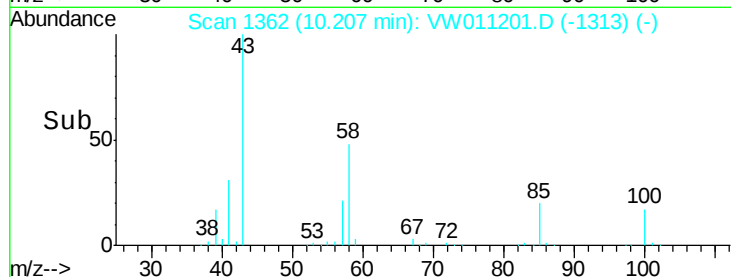
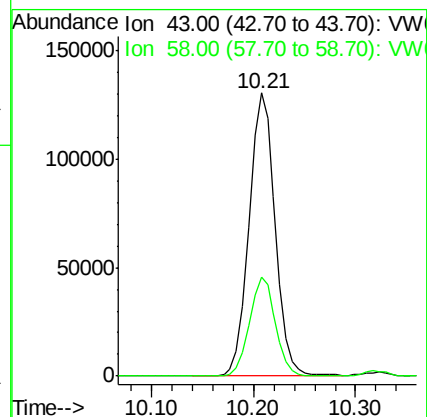
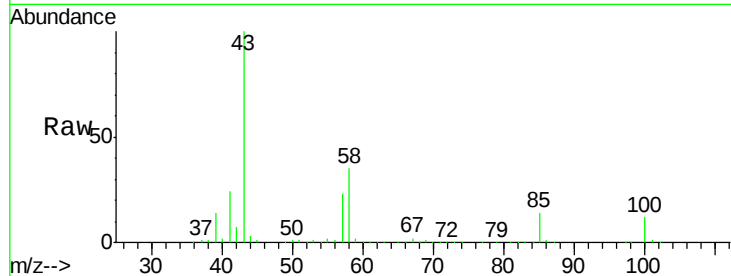
58 34.8 28.2 42.2

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#52

Toluene

Concen: 19.977 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011201.D

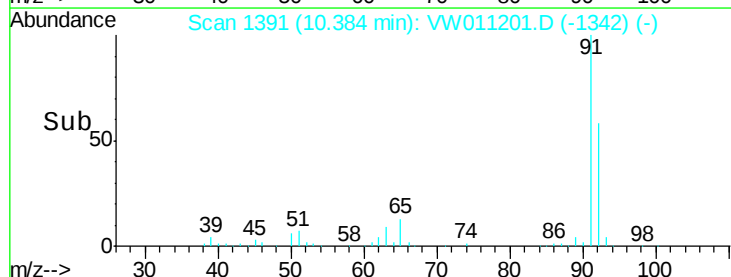
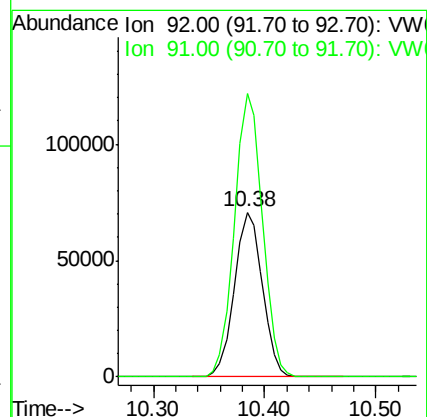
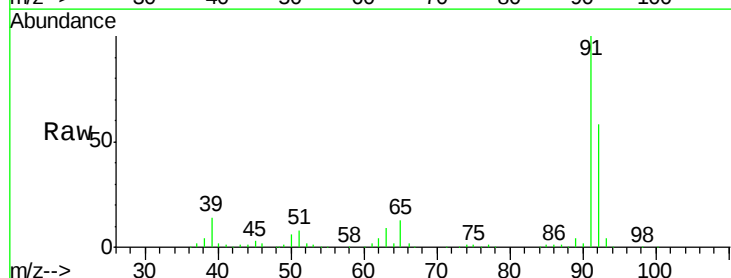
Acq: 10 Jul 2019 20:56

Tgt Ion: 92 Resp: 123055

Ion Ratio Lower Upper

92 100

91 171.7 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.088 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion: 75 Resp: 67155

Ion Ratio Lower Upper

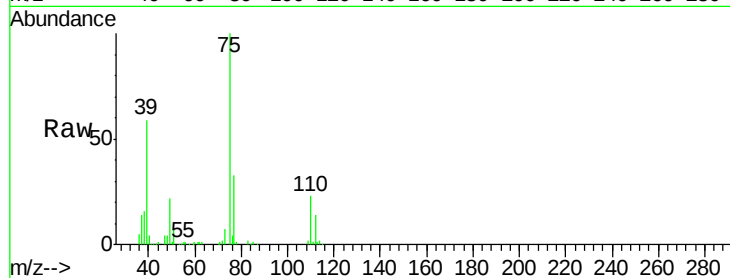
75 100

77 32.7 25.4 38.0

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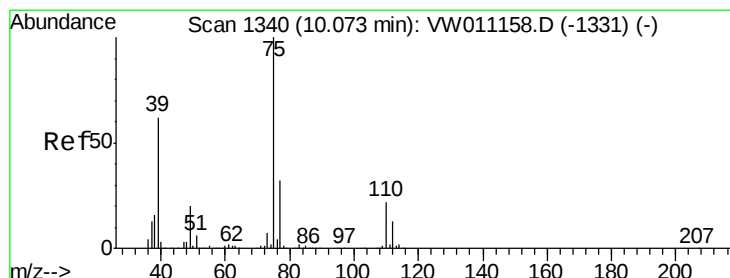
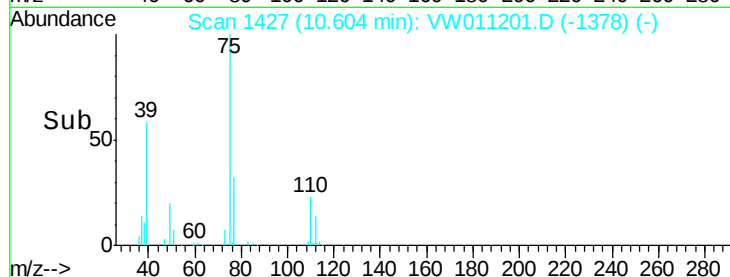
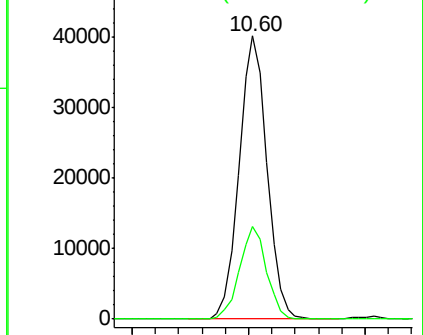
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 19.265 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

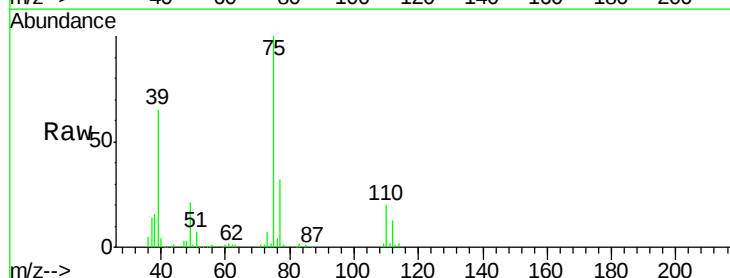
Tgt Ion: 75 Resp: 79778

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

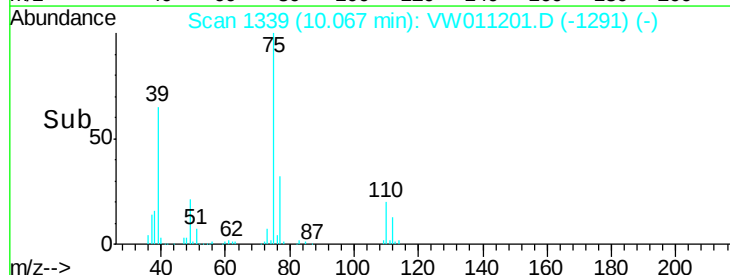
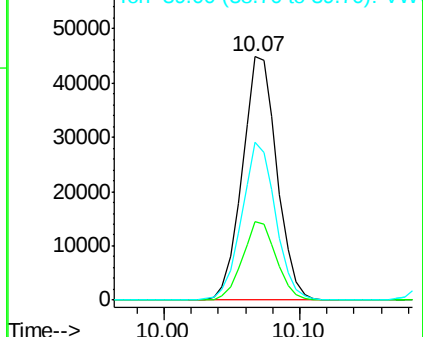
39 64.8 49.8 74.8

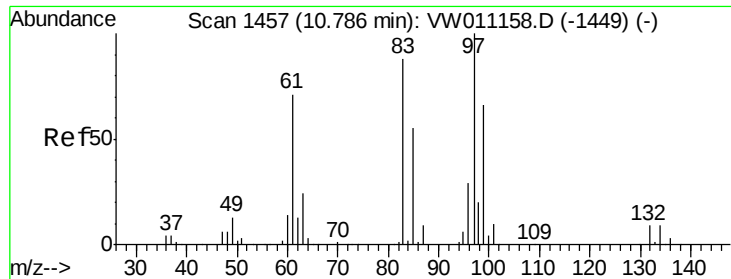


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





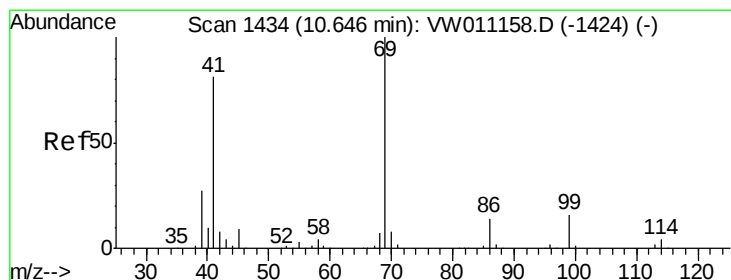
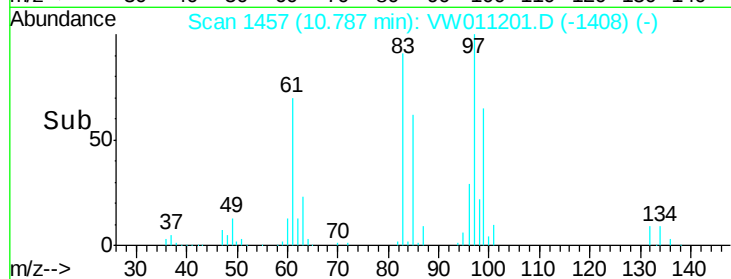
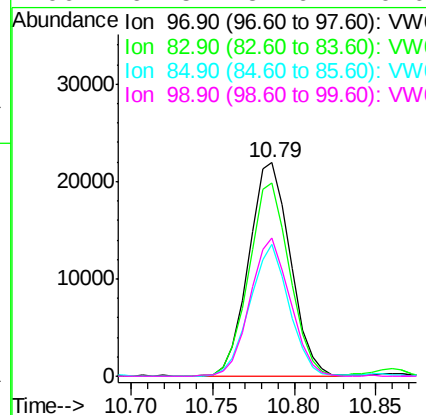
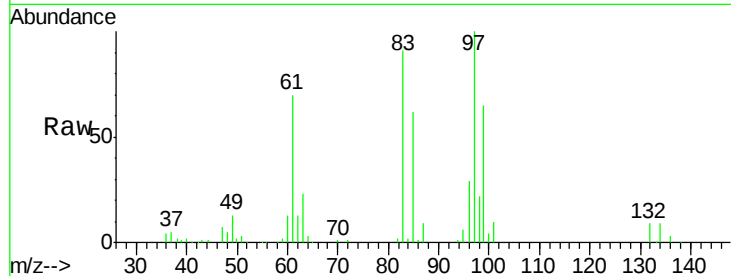
#55
 1,1,2-Trichloroethane
 Concen: 21.248 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion:	97	Resp:	38938
Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.2	105.4
85	61.5	44.2	66.2
99	64.5	52.6	79.0

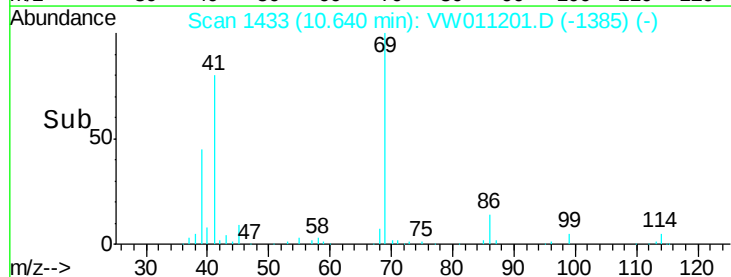
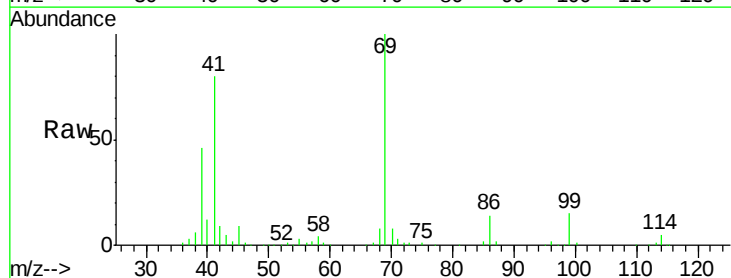
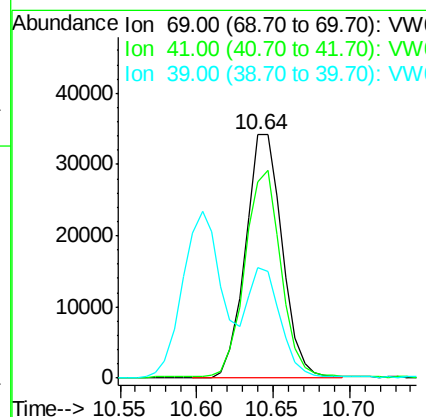
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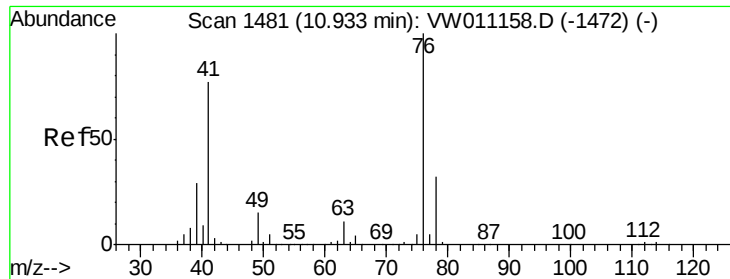
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#56
 Ethyl methacrylate
 Concen: 20.449 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion:	69	Resp:	57054
Ion	Ratio	Lower	Upper
69	100		
41	82.9	66.5	99.7
39	39.6	32.5	48.7





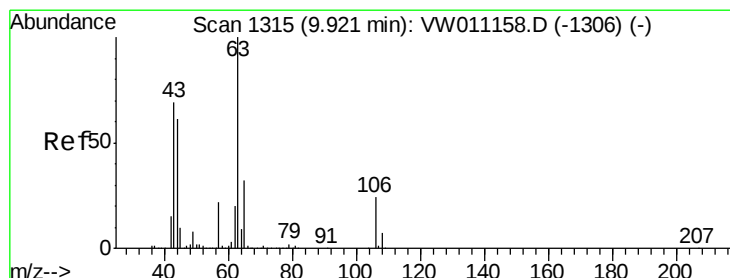
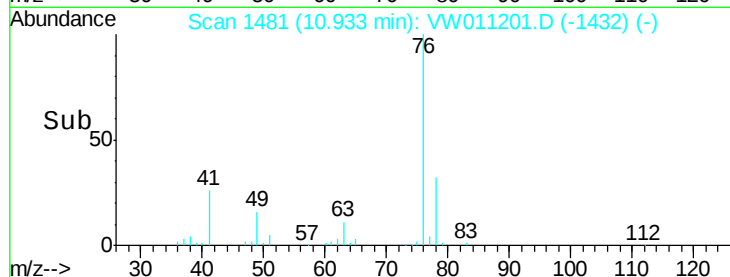
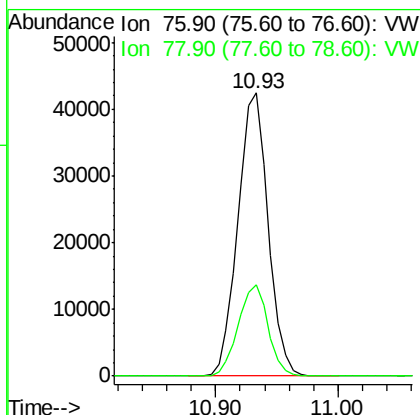
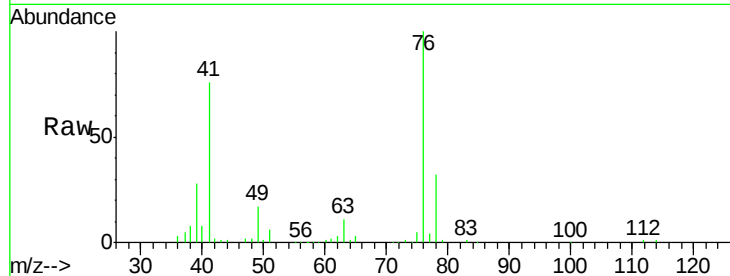
#57
 1,3-Dichloropropane
 Concen: 20.974 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion: 76 Resp: 72681
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.2 39.2

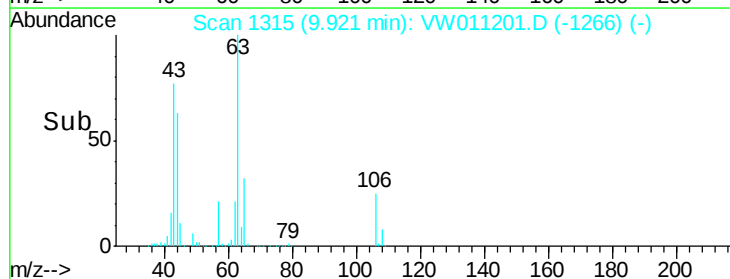
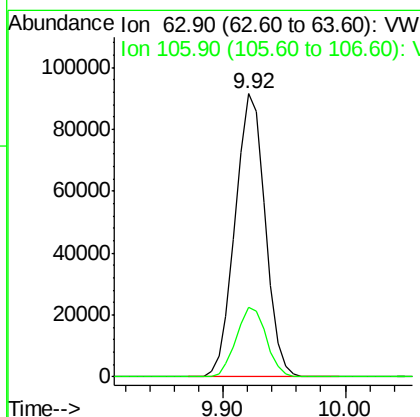
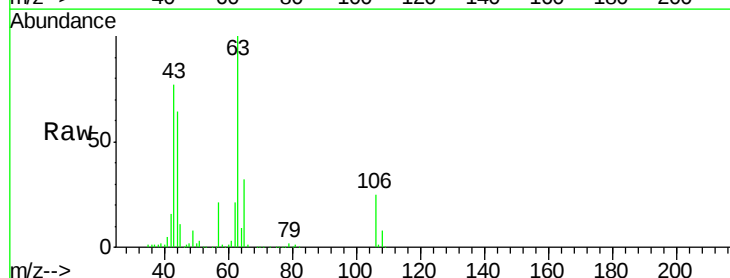
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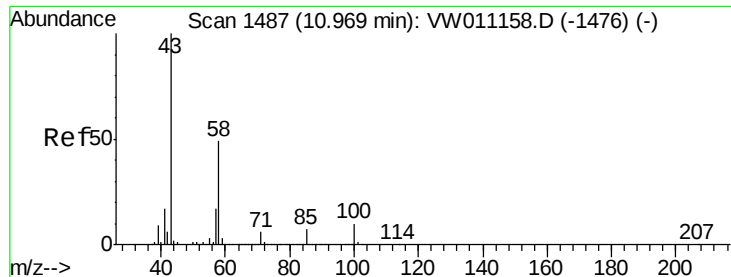
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#58
 2-Chloroethyl Vinyl ether
 Concen: 120.341 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion: 63 Resp: 155655
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0





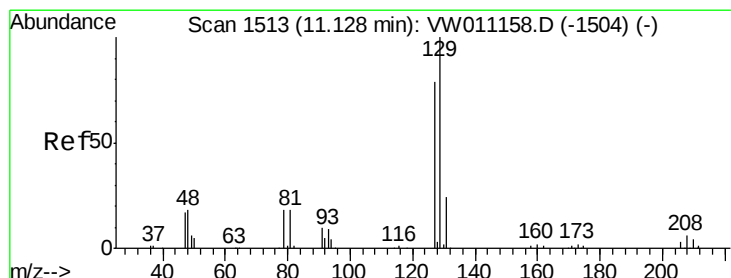
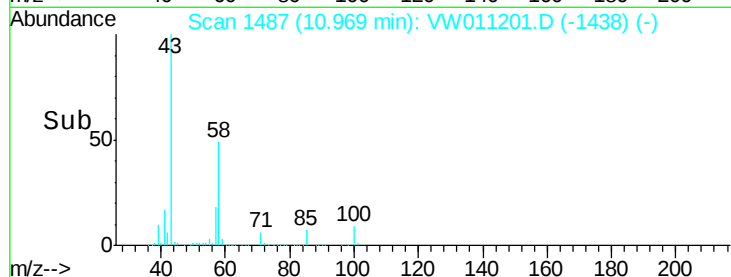
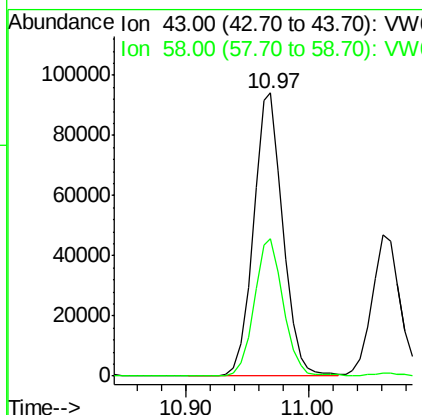
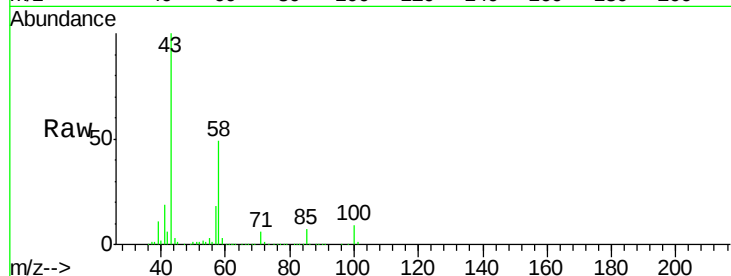
#59
2-Hexanone
Concen: 103.921 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.3	24.4	73.4

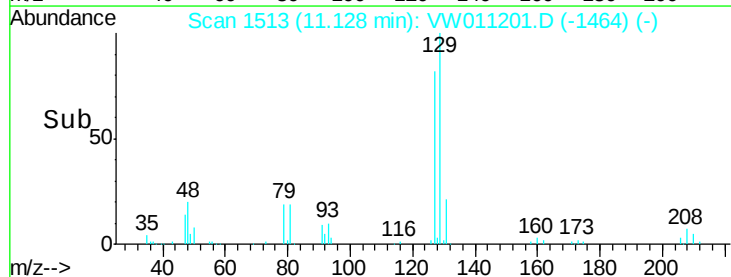
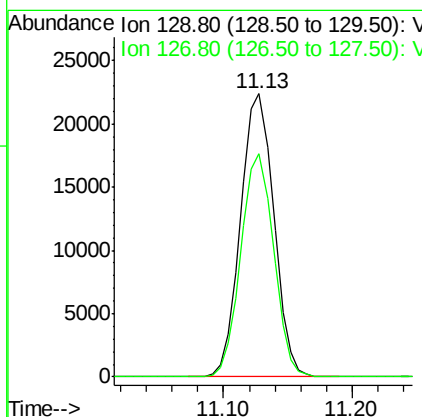
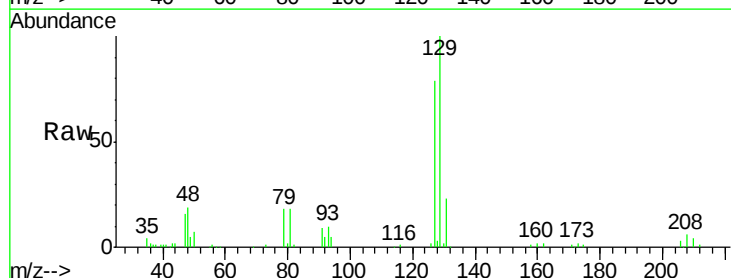
Manual Integrations
APPROVED

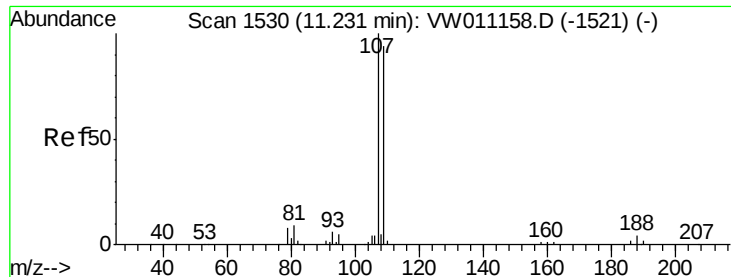
MMDadoda
7/11/2019 2:50:15 PM



#60
Dibromochloromethane
Concen: 19.934 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.3





#61

1,2-Dibromoethane

Concen: 20.884 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion:107 Resp: 36252

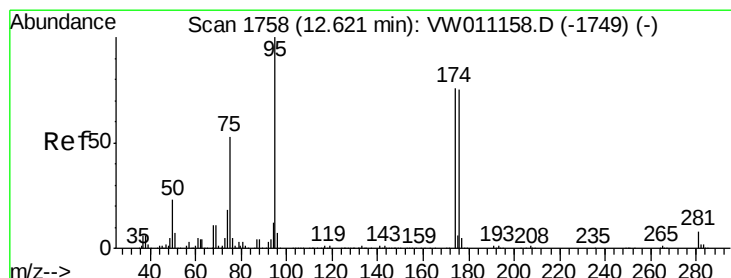
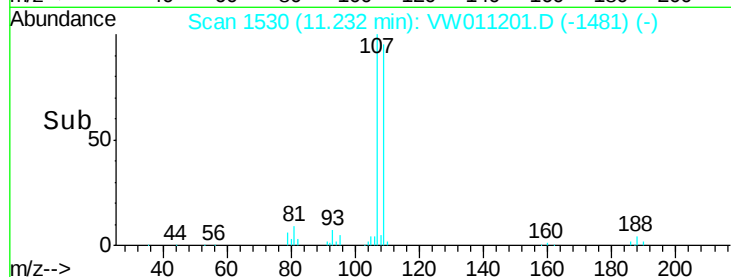
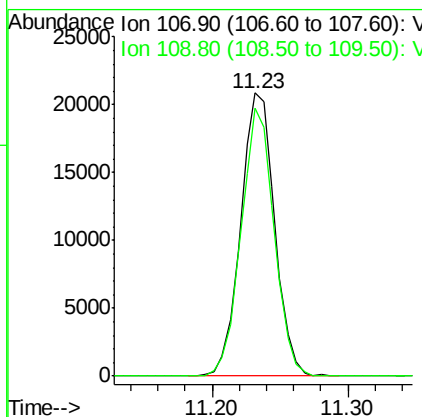
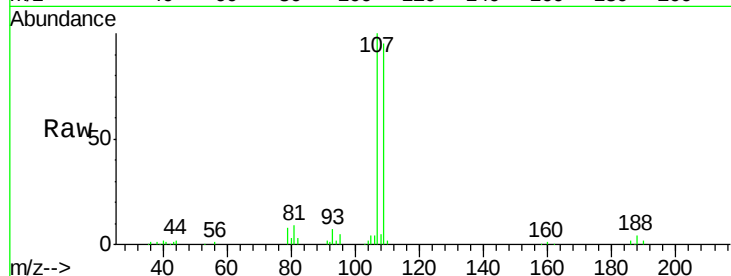
Ion Ratio Lower Upper

107 100

109 92.5 75.2 112.8

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:15 PM



#62

4-Bromofluorobenzene

Concen: 50.730 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

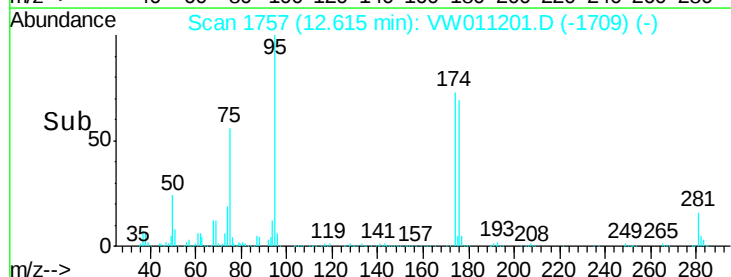
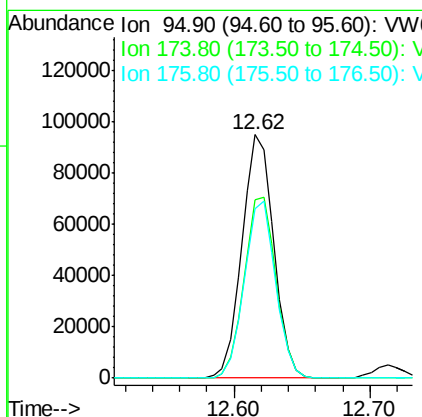
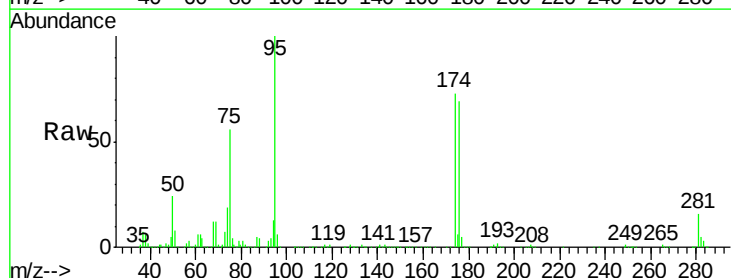
Tgt Ion: 95 Resp: 154578

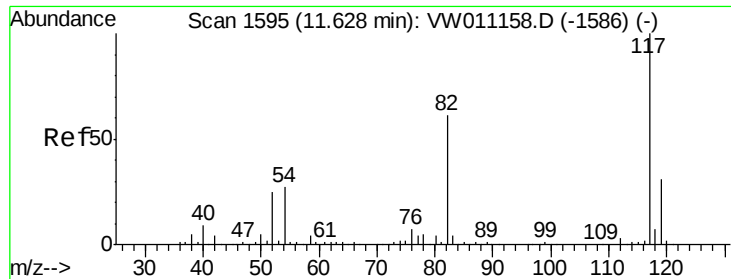
Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.6

176 71.9 0.0 144.6





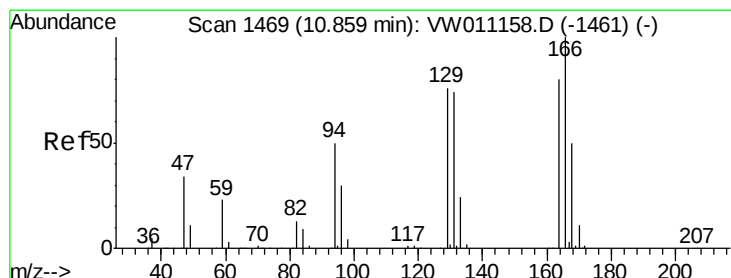
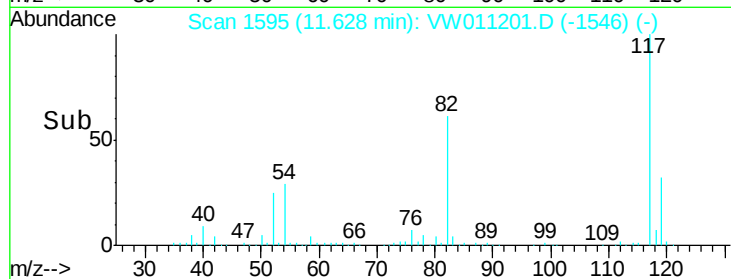
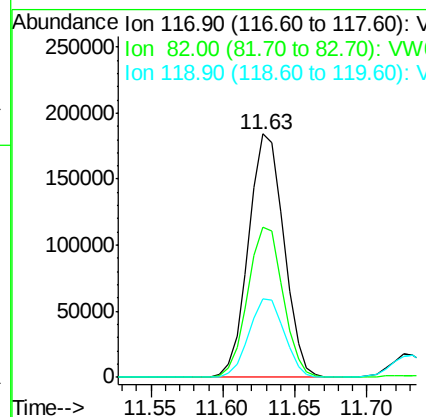
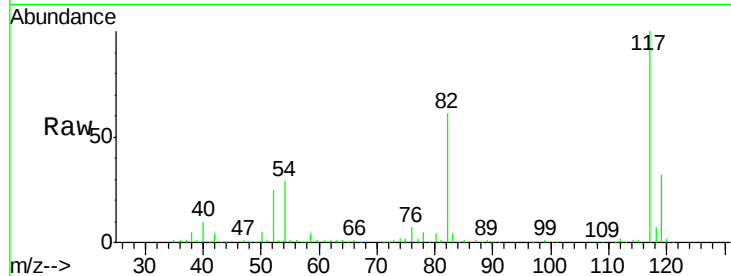
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.9	73.3
119	32.4	25.0	37.6

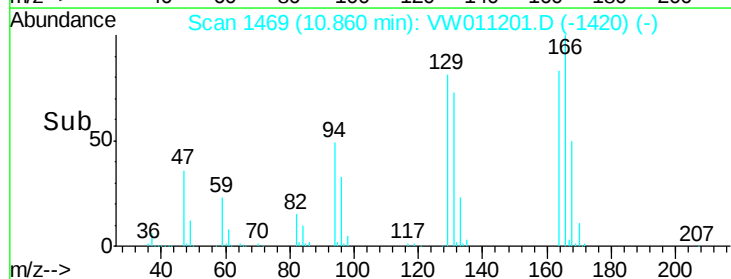
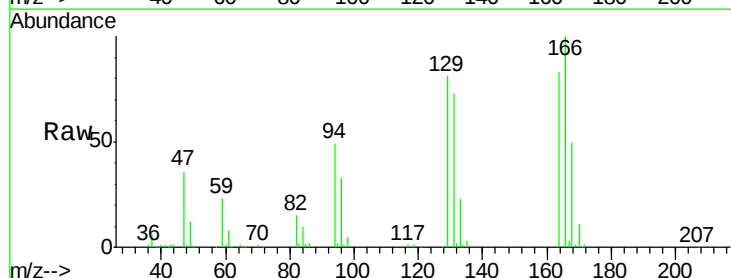
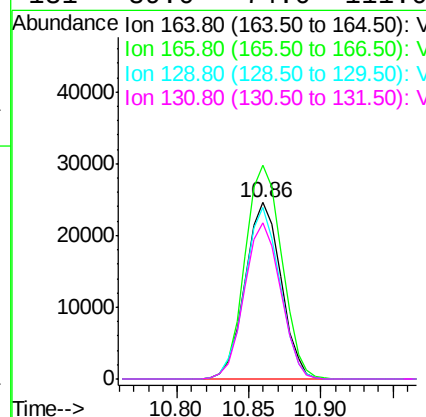
Manual Integrations
APPROVED

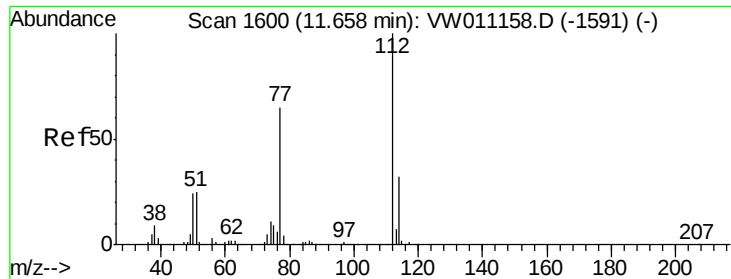
MMDadoda
7/11/2019 2:50:15 PM



#64
Tetrachloroethene
Concen: 20.144 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.2	99.7	149.5
129	97.6	76.2	114.2
131	89.0	74.0	111.0





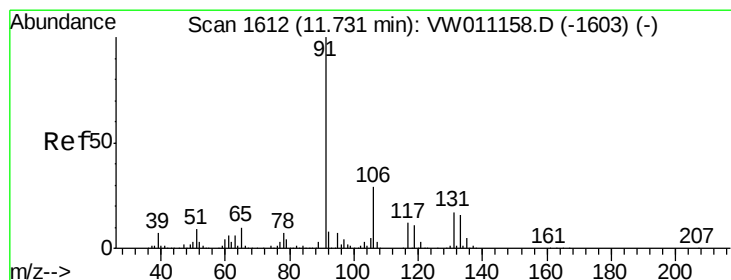
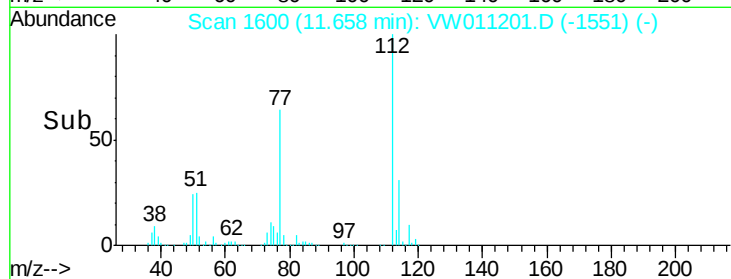
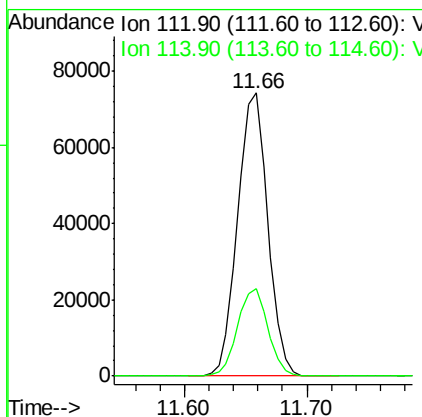
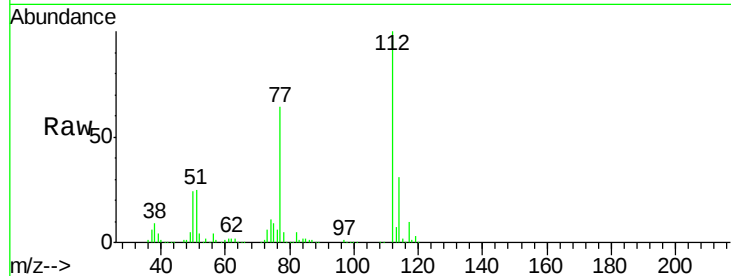
#65
Chlorobenzene
Concen: 20.028 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.5	38.3

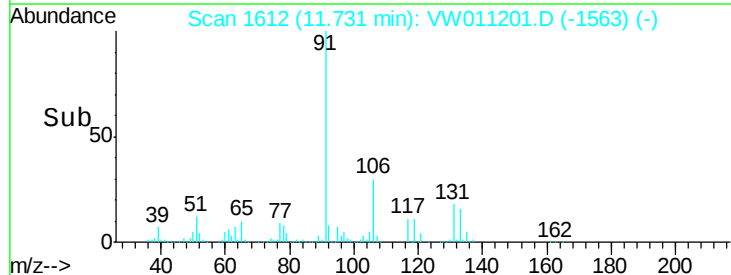
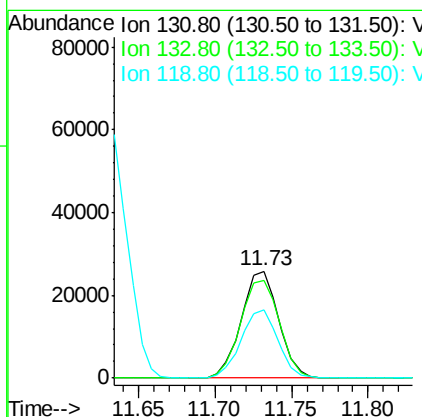
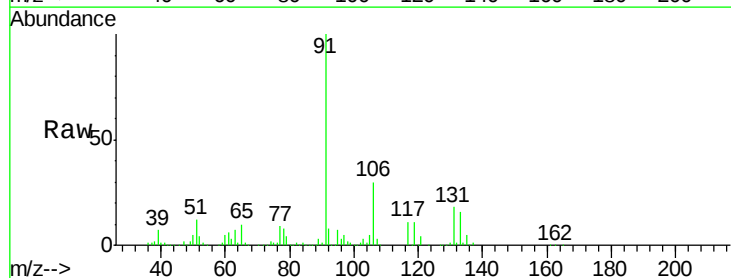
Manual Integrations
APPROVED

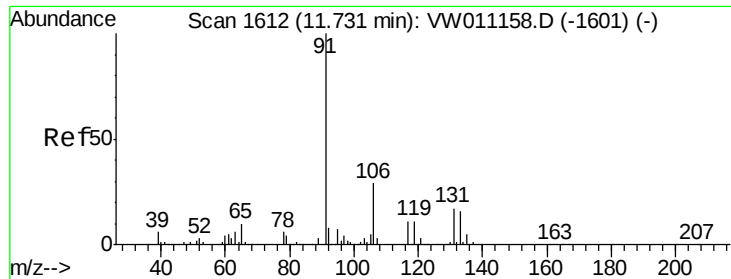
MMDadoda
7/11/2019 2:50:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.667 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.9	143.8
119	63.6	33.1	99.2





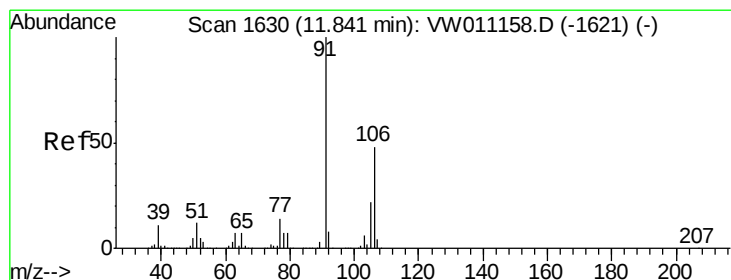
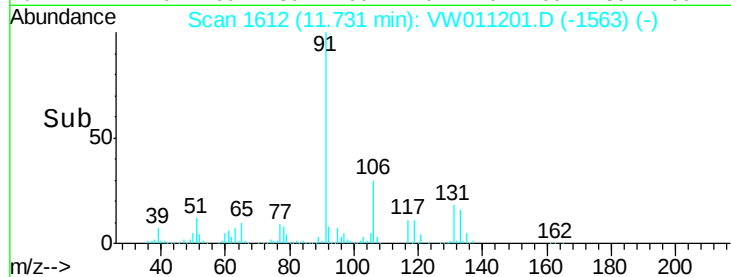
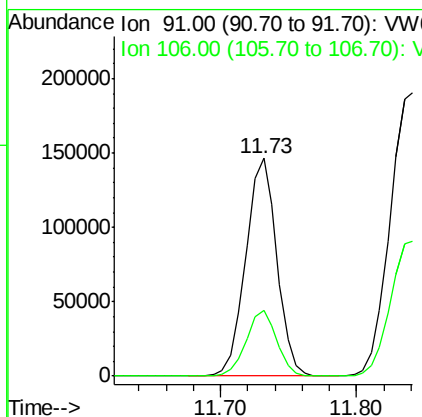
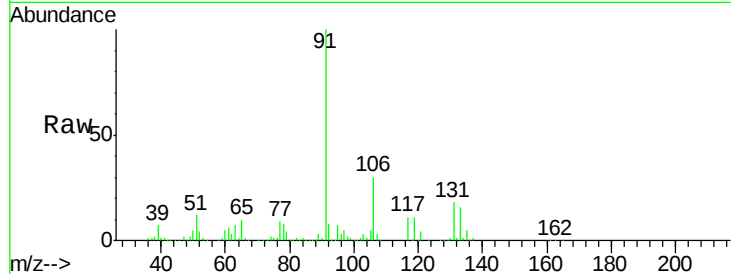
#67
Ethyl Benzene
Concen: 19.294 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.5	35.3

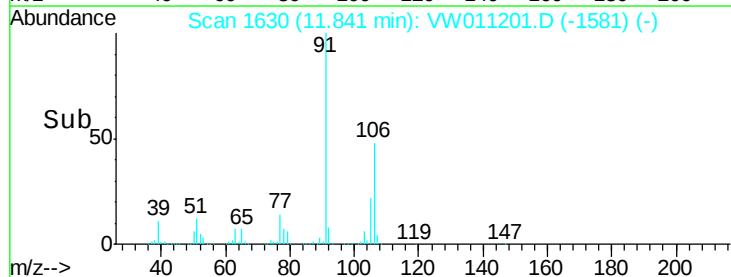
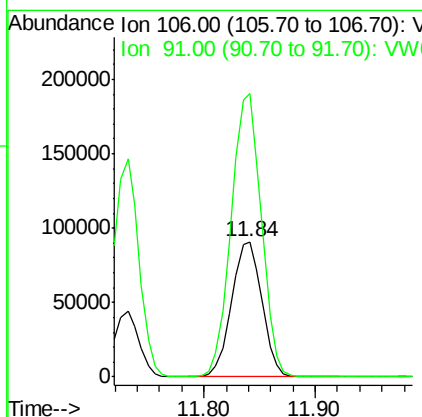
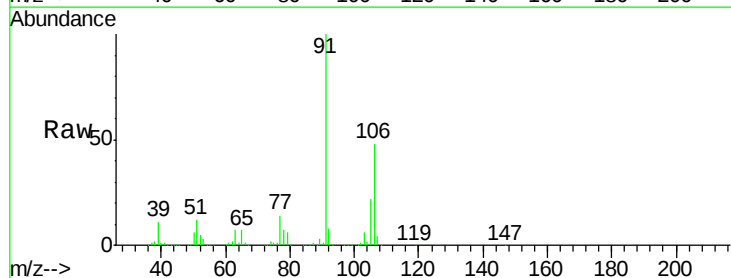
Manual Integrations
APPROVED

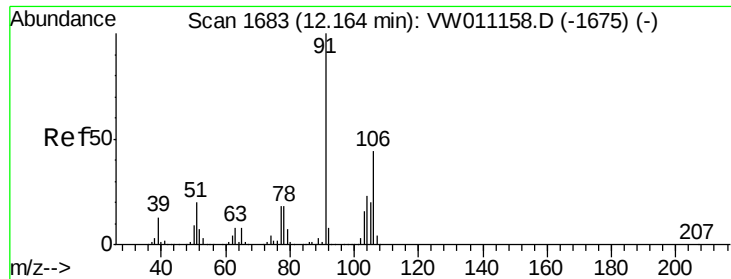
MMDadoda
7/11/2019 2:50:15 PM



#68
m/p-Xylenes
Concen: 38.952 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.4	167.7	251.5





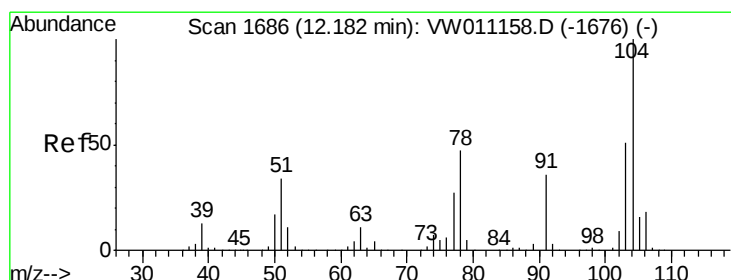
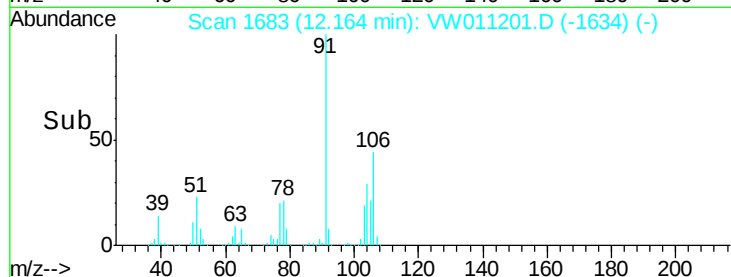
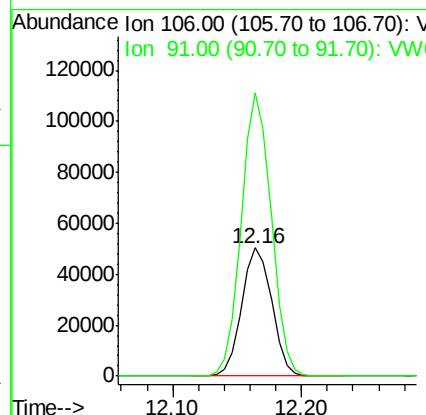
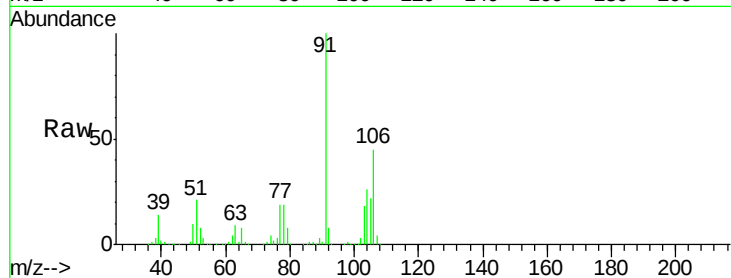
#69
o-Xylene
Concen: 19.669 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion:106 Resp: 81403
Ion Ratio Lower Upper
106 100
91 219.8 110.7 332.1

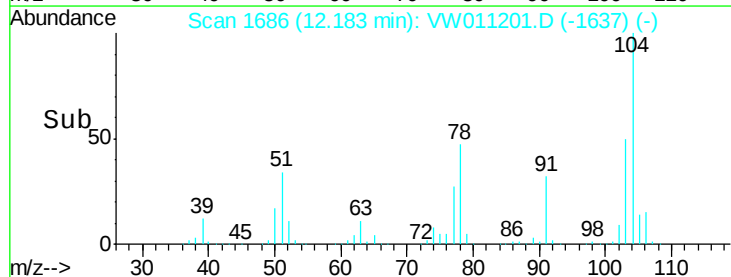
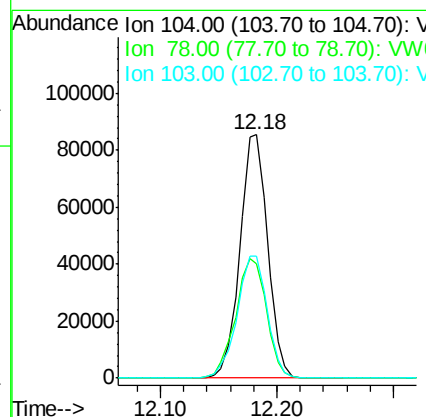
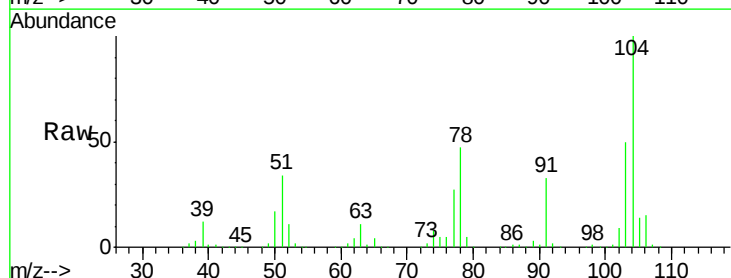
Manual Integrations
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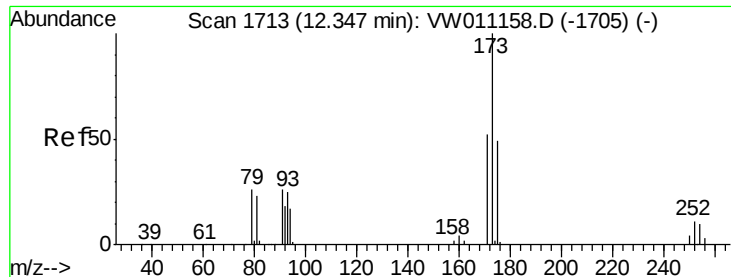
MMDadoda
7/11/2019 2:50:15 PM



#70
Styrene
Concen: 19.891 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion:104 Resp: 142068
Ion Ratio Lower Upper
104 100
78 54.7 43.1 64.7
103 54.7 44.1 66.1





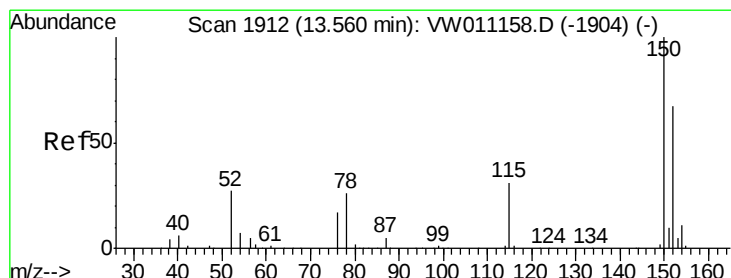
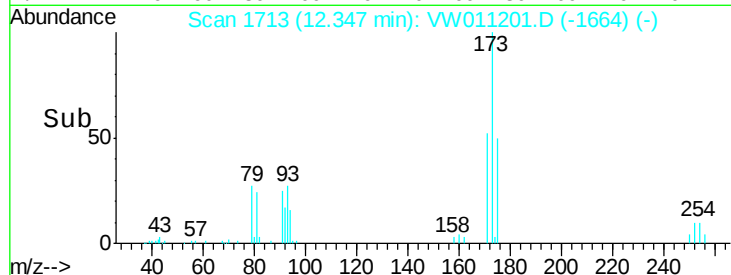
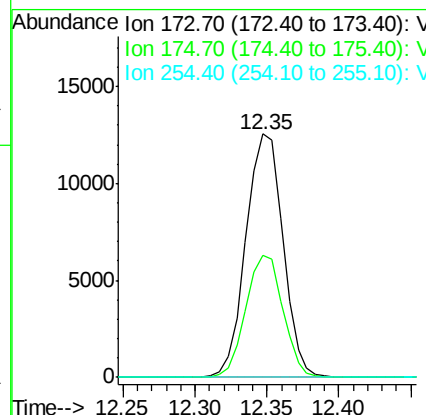
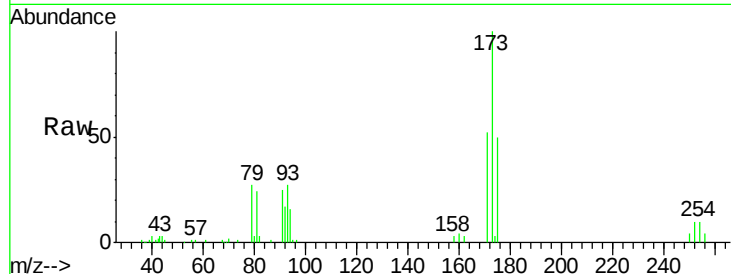
#71
Bromoform
Concen: 18.812 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.8	74.3
254	0.0	0.0	0.0

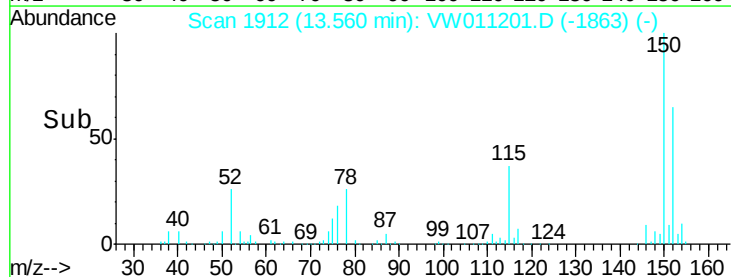
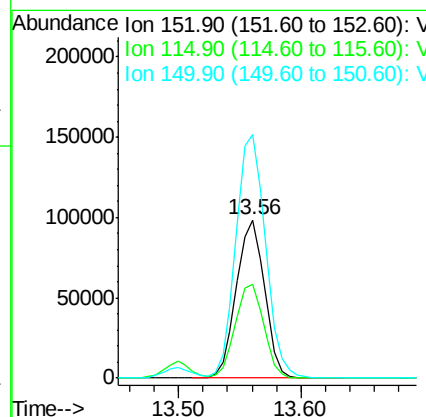
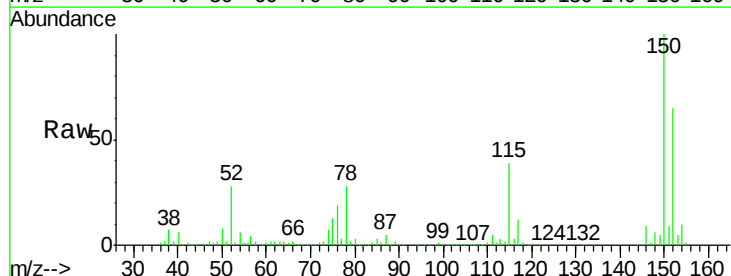
Manual Integrations
APPROVED

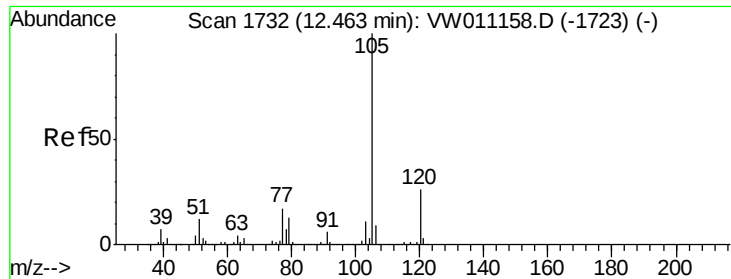
MMDadoda
7/11/2019 2:50:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.1	90.3
150	162.2	0.0	346.0





#73

Isopropylbenzene

Concen: 18.833 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion: 105 Resp: 220123

Ion Ratio Lower Upper

105 100

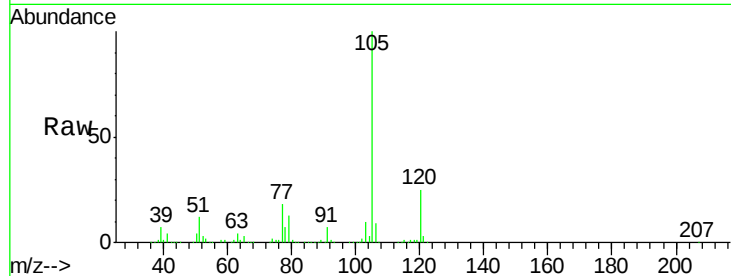
120 25.8 12.8 38.3

Manual Integrations

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MMDadoda

7/11/2019 2:50:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

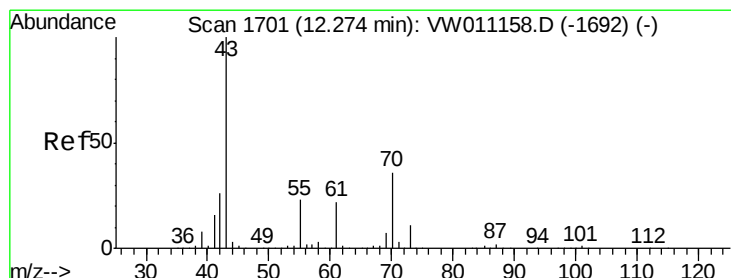
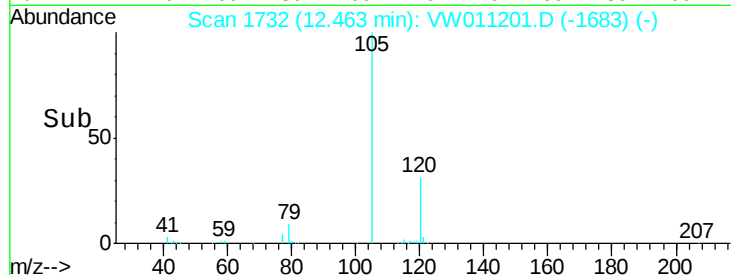
100000

50000

0

12.46

Time-->



#74

N-ethyl acetate

Concen: 19.882 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Tgt Ion: 43 Resp: 80934

Ion Ratio Lower Upper

43 100

70 35.9 28.5 42.7

55 23.3 18.1 27.1

61 21.4 17.2 25.8

Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

80000

60000

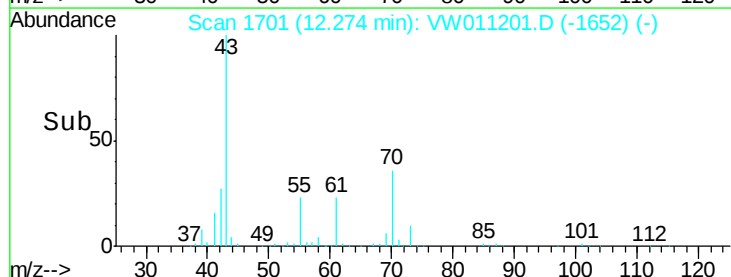
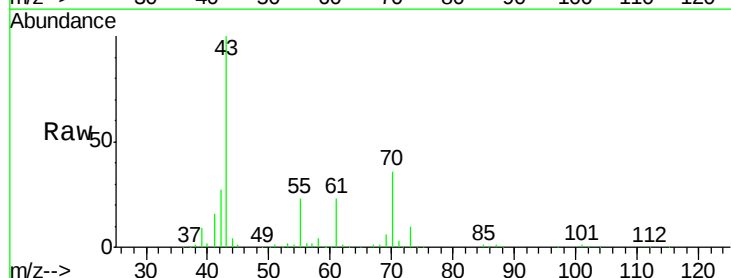
40000

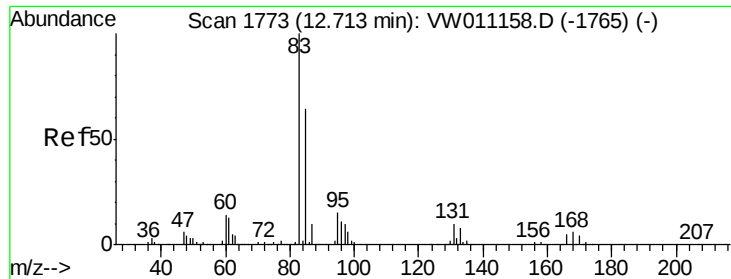
20000

0

12.27

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.853 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

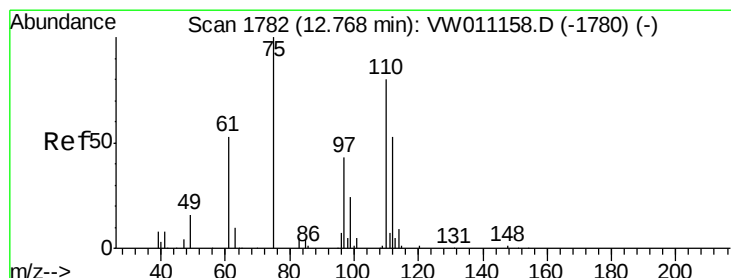
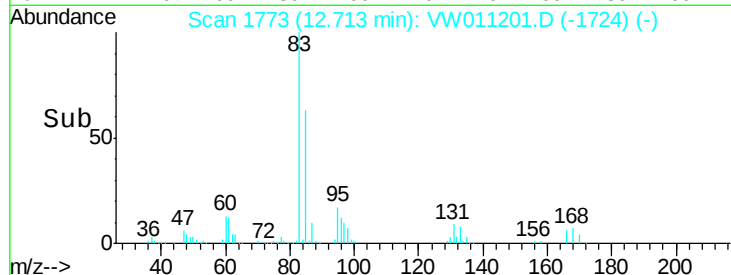
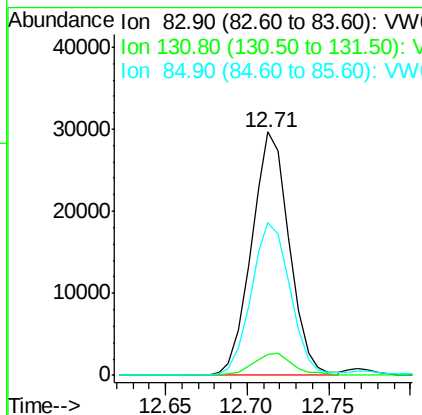
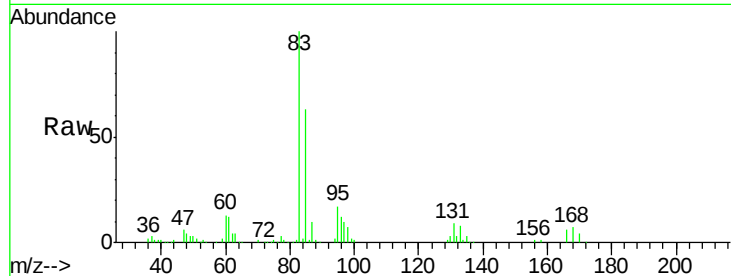
ClientSampleId :

VW0711SBSD01

Tot Ion:	83	Resp:	47564
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	64.8	31.6	94.8

Manual Integrations
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MMDadoda
7/11/2019 2:50:15 PM



#76

1,2,3-Trichloropropane

Concen: 17.969 ug/l m

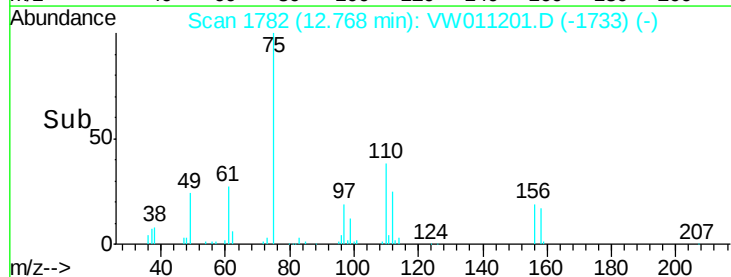
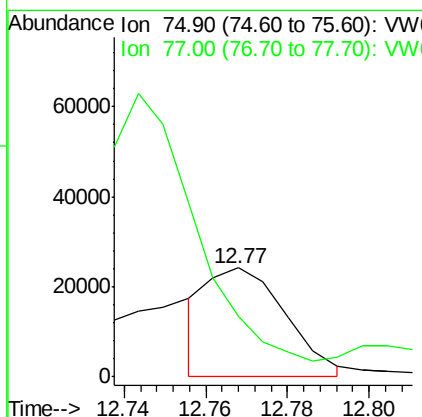
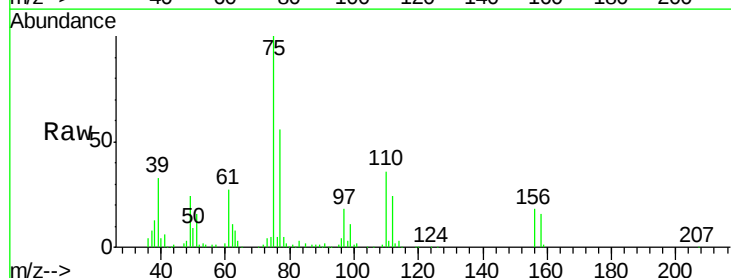
RT: 12.77 min Scan# 1782

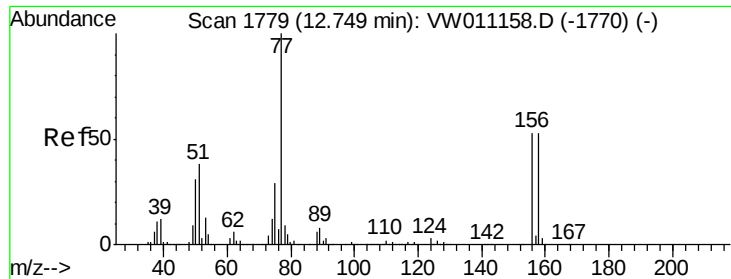
Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Tgt Ion:	75	Resp:	32468
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.363 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion:156 Resp: 50789

Ion Ratio Lower Upper

156 100

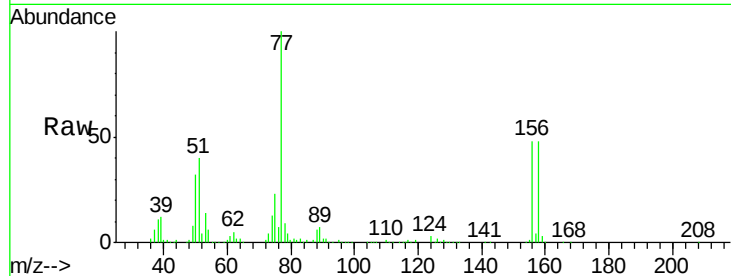
77 220.4 109.0 327.0

158 97.6 48.8 146.3

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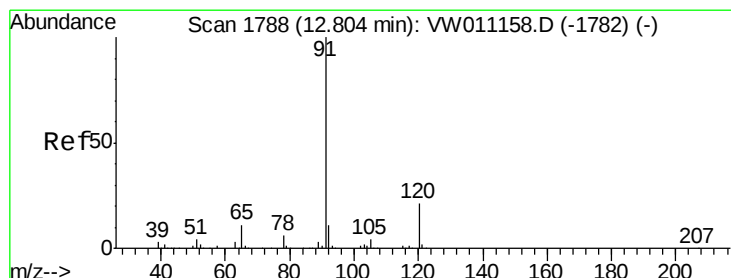
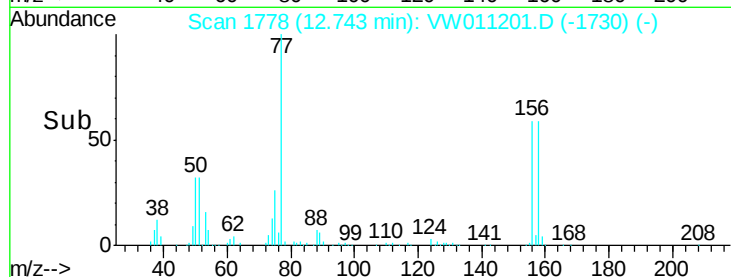
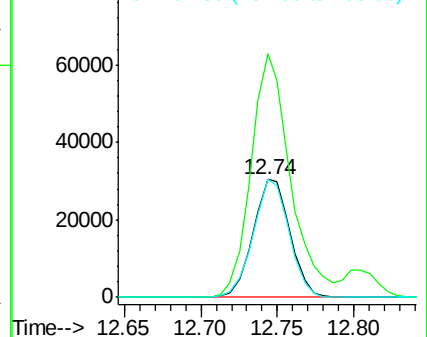
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.812 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011201.D

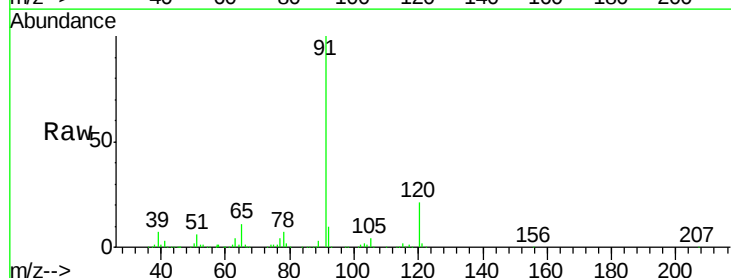
Acq: 10 Jul 2019 20:56

Tgt Ion: 91 Resp: 270853

Ion Ratio Lower Upper

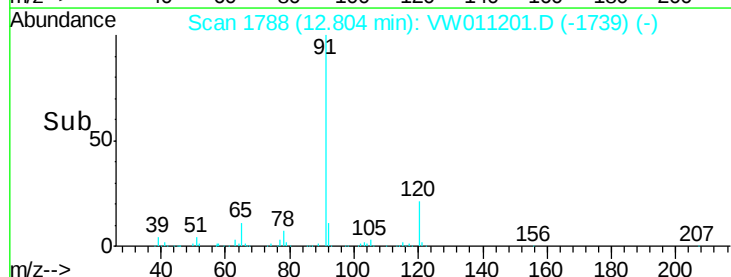
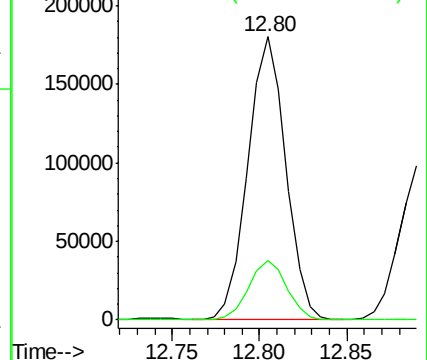
91 100

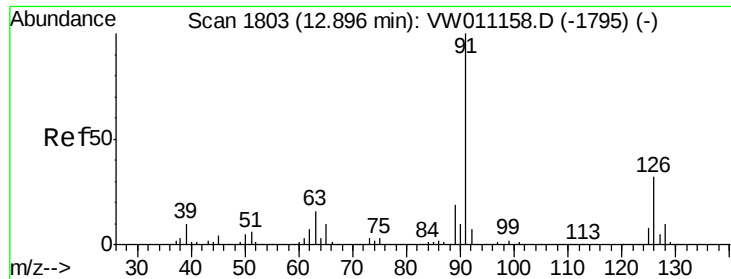
120 21.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.084 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

ClientSampleId :

VW0711SBSD01

Tot Ion: 91 Resp: 158119

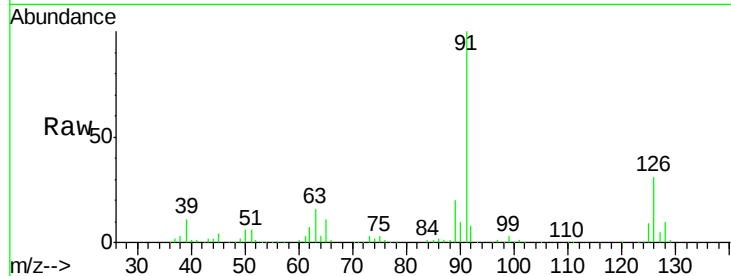
Ion Ratio Lower Upper

91 100

126 31.3 15.8 47.3

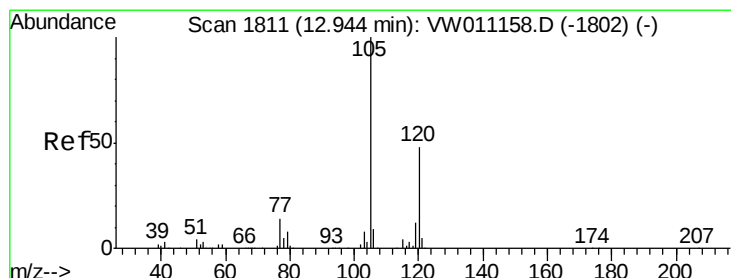
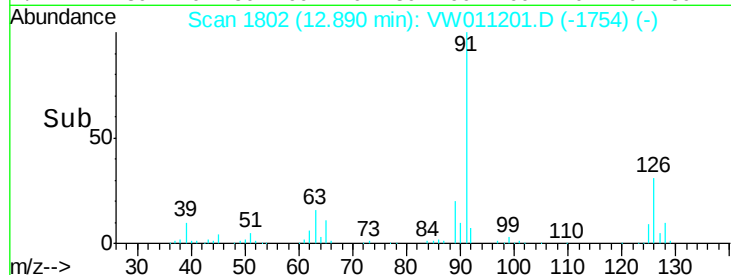
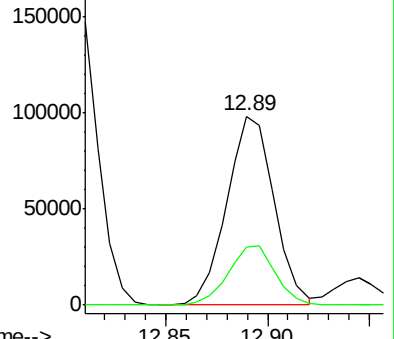
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.143 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011201.D

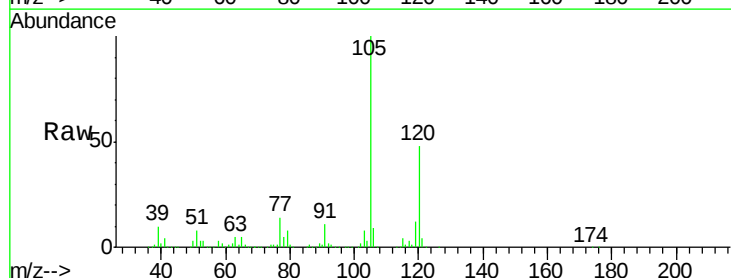
Acq: 10 Jul 2019 20:56

Tgt Ion:105 Resp: 190080

Ion Ratio Lower Upper

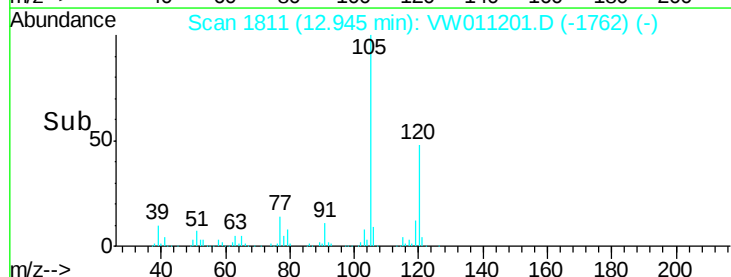
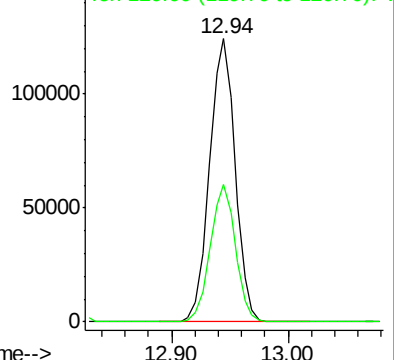
105 100

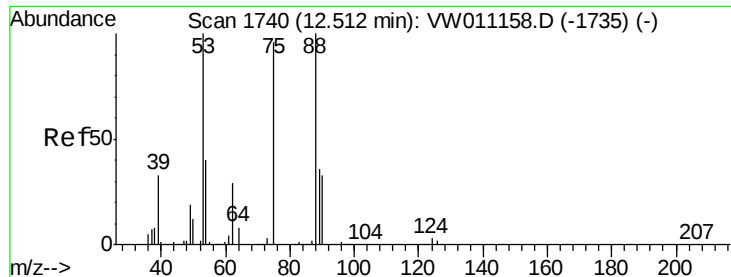
120 47.8 24.1 72.2



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: 17.130 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Instrument :

MSVOA_W

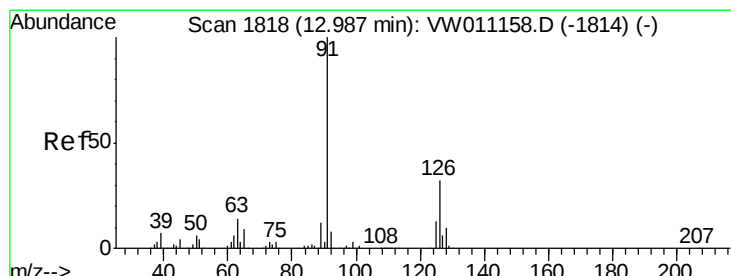
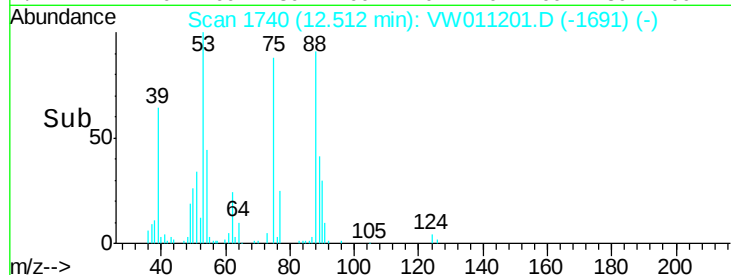
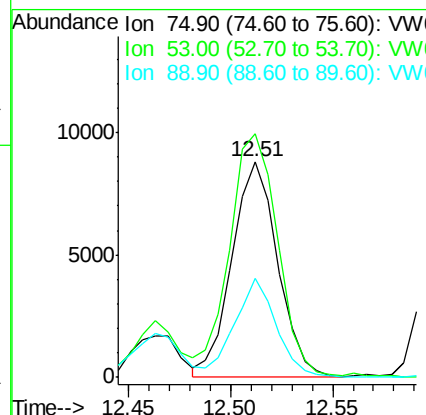
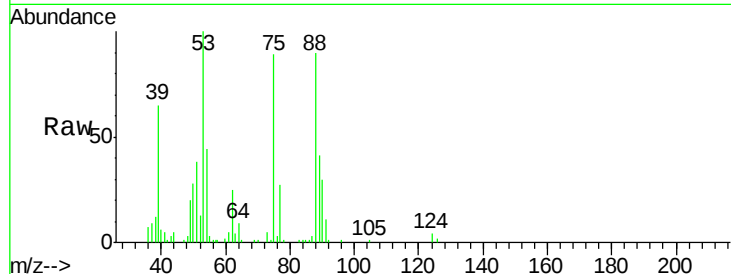
ClientSampleId :

VW0711SBSD01

Tot Ion:	75	Resp:	13684
Ion	Ratio	Lower	Upper
75	100		
53	117.4	89.8	134.6
89	41.6	34.3	51.5

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#82

4-Chlorotoluene

Concen: 19.531 ug/l

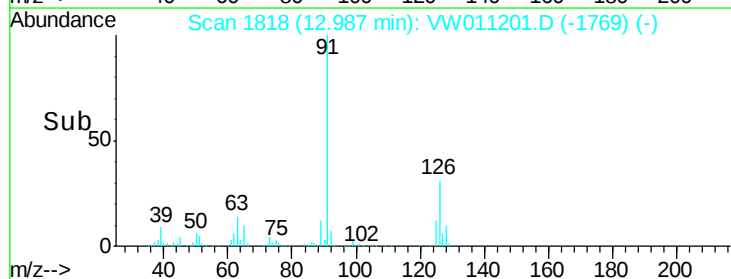
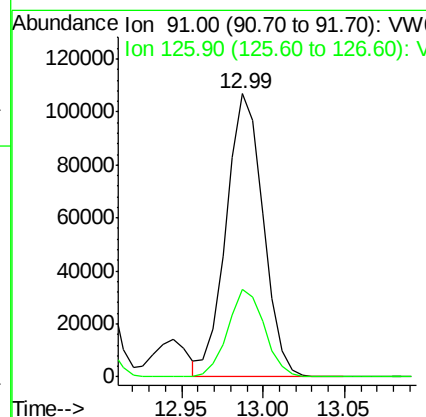
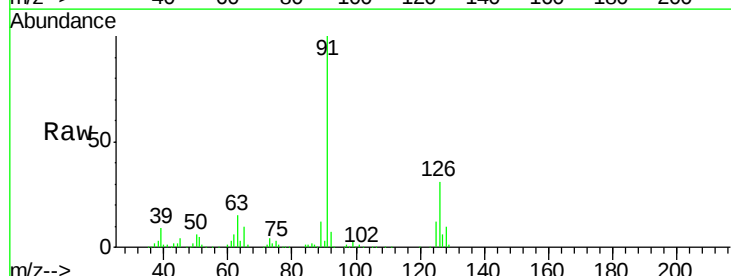
RT: 12.99 min Scan# 1818

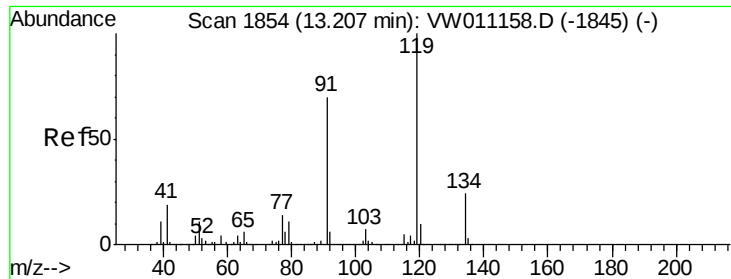
Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Tgt Ion:	91	Resp:	168549
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1





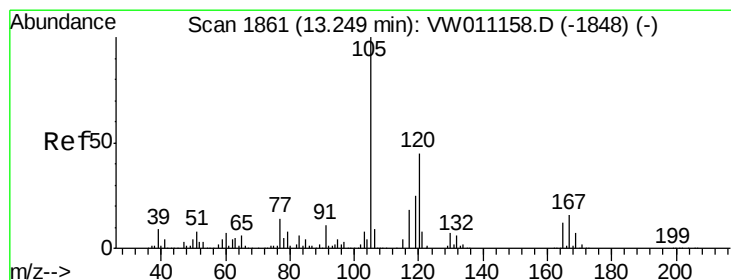
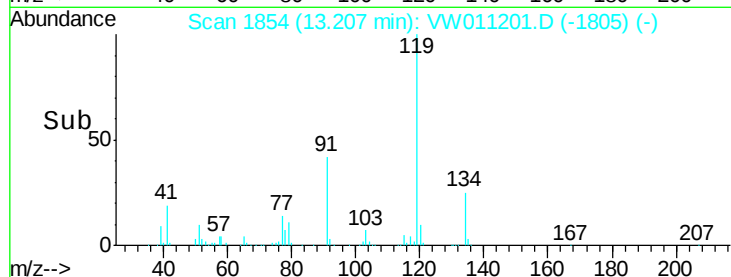
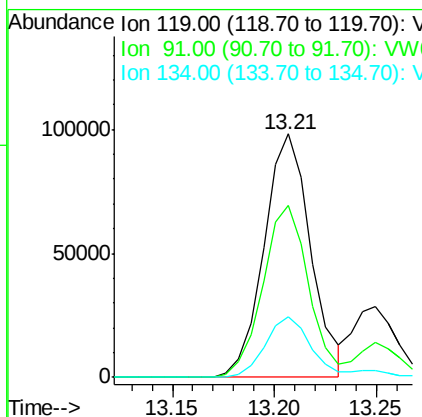
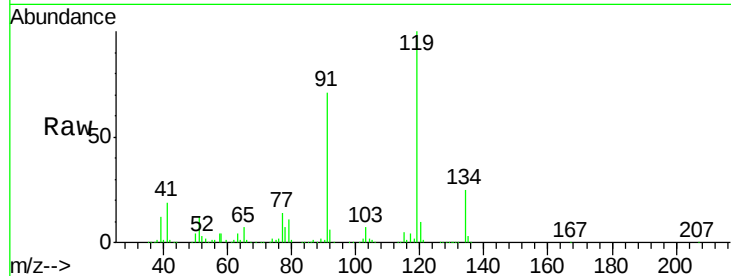
#83
tert-Butylbenzene
Concen: 18.889 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	156420		
91	69.3	35.4	106.3	
134	24.6	13.4	40.2	

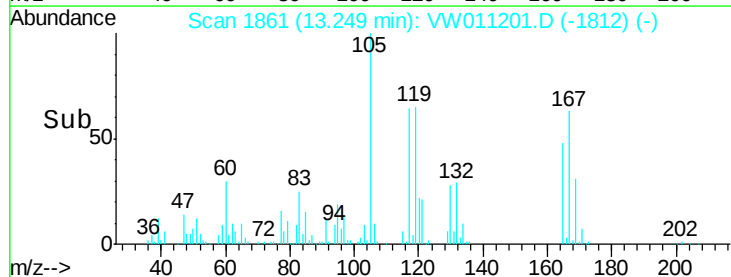
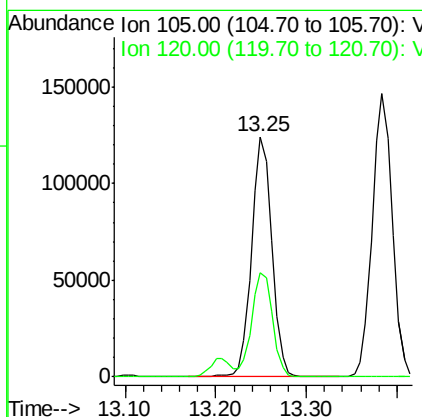
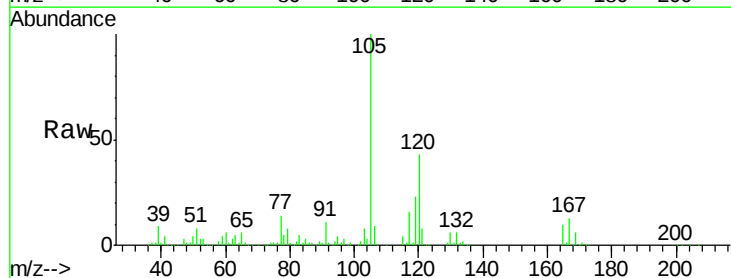
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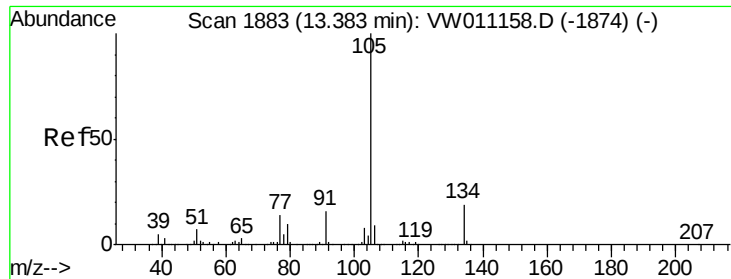
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.281 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192237		
120	44.1	22.3	66.9	





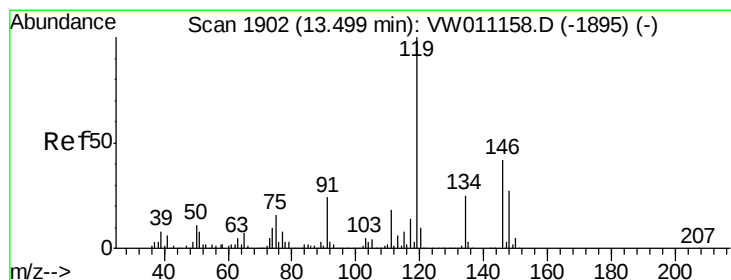
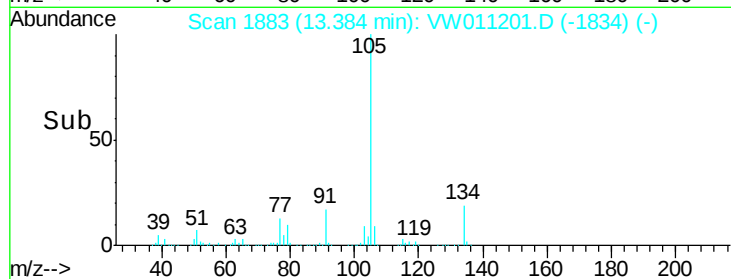
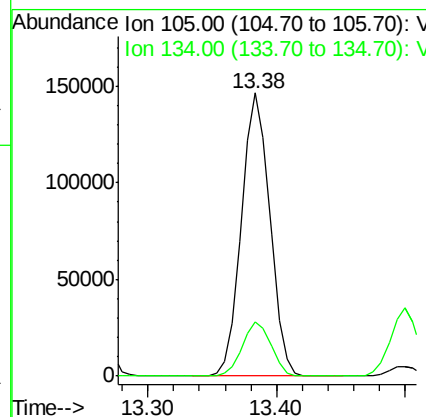
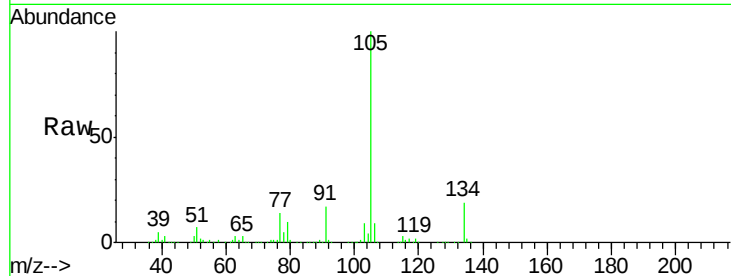
#85
 sec-Butylbenzene
 Concen: 18.705 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

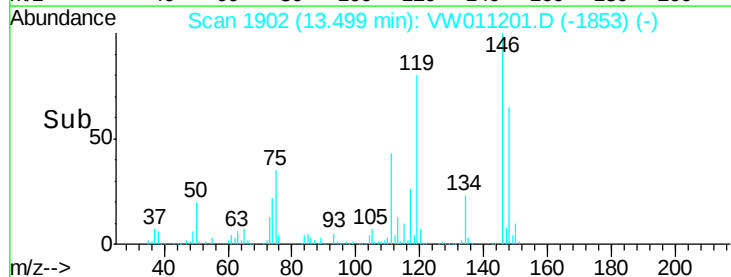
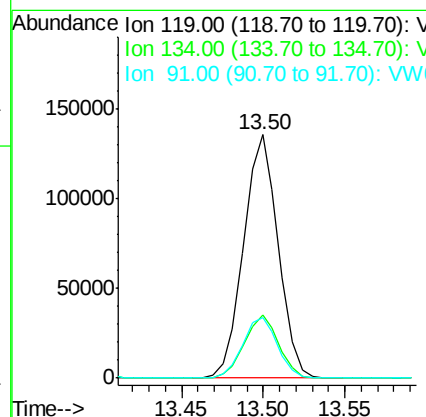
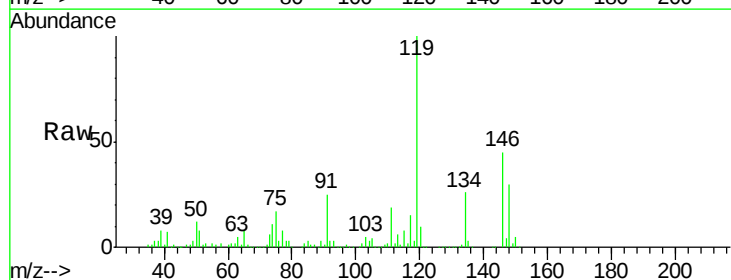
Manual Integrations
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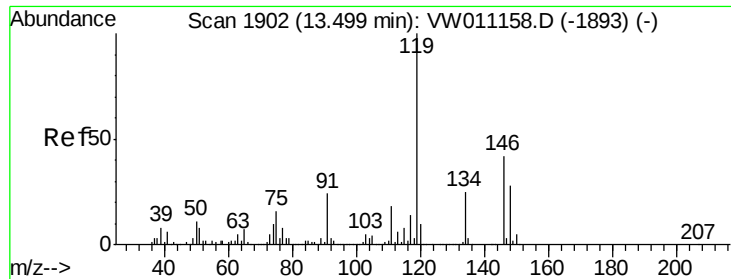
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 7/11/2019 2:50:15 PM



#86
 p-Isopropyltoluene
 Concen: 18.621 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	25.5	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 19.684 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

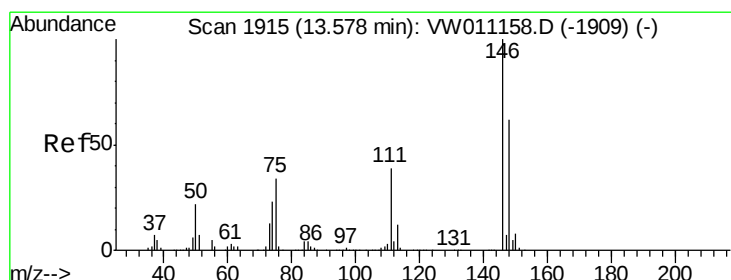
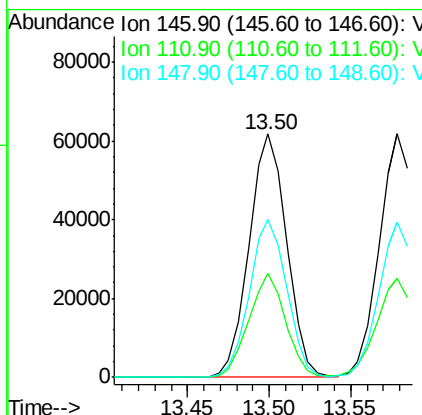
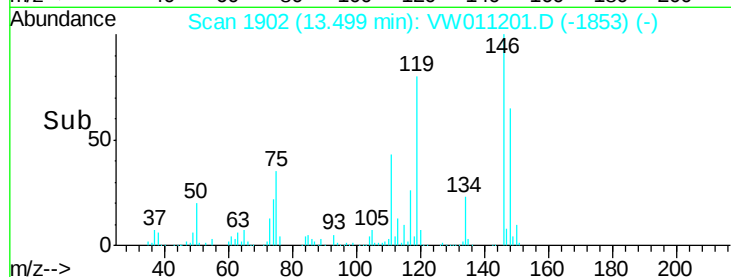
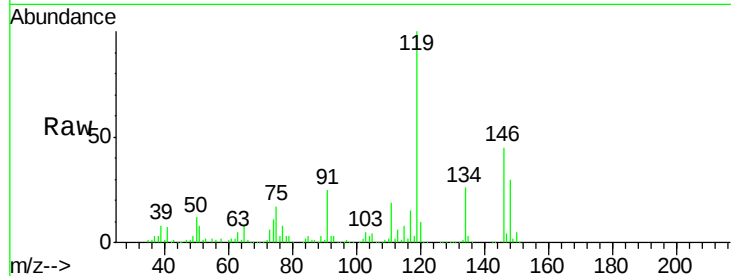
Instrument :
MSVOA_W

ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	99338		
111	41.6	21.1	63.1	
148	64.3	32.6	97.7	

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#88

1,4-Dichlorobenzene

Concen: 19.350 ug/l

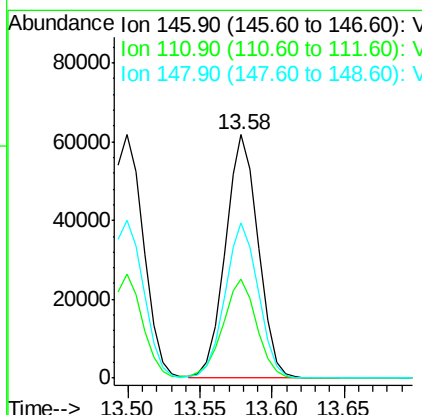
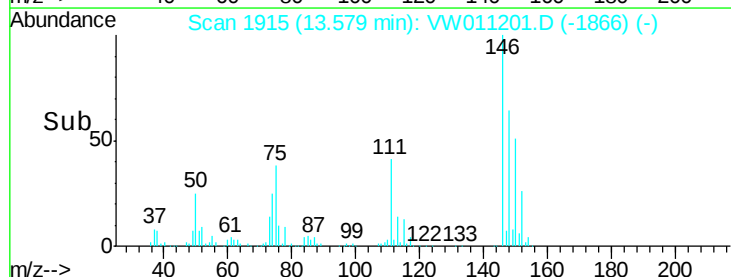
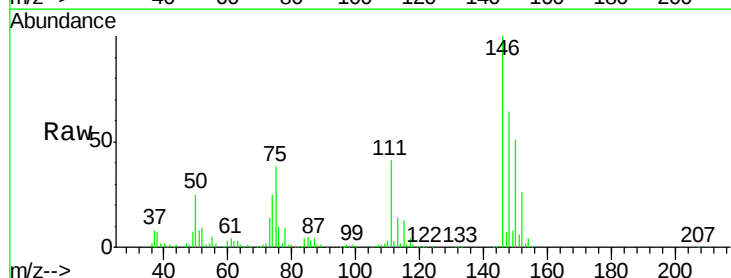
RT: 13.58 min Scan# 1915

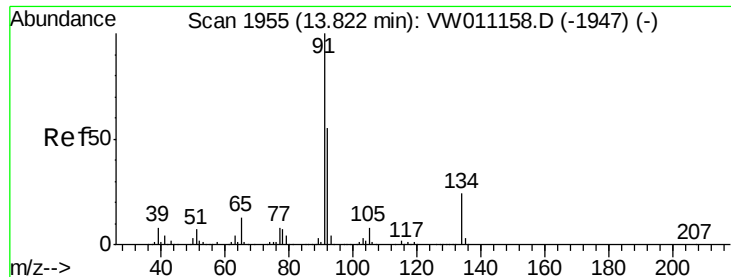
Delta R.T. 0.00 min

Lab File: VW011201.D

Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	98336		
111	42.4	19.9	59.7	
148	64.8	31.5	94.5	





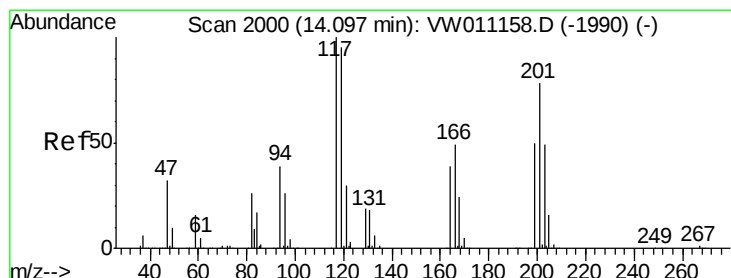
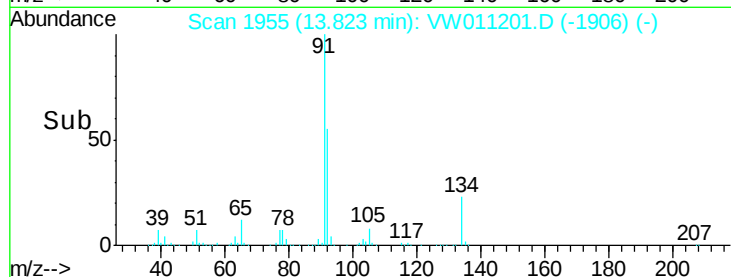
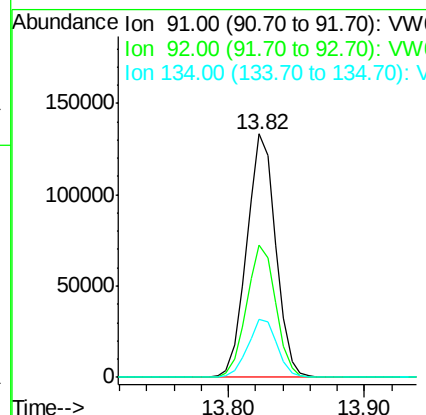
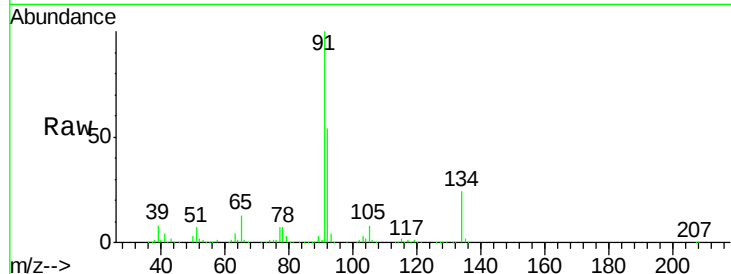
#89
n-Butylbenzene
Concen: 18.557 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	198407		
92	54.8	26.9	80.7	
134	24.1	12.2	36.4	

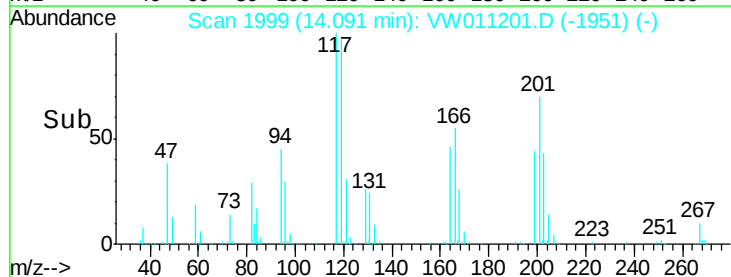
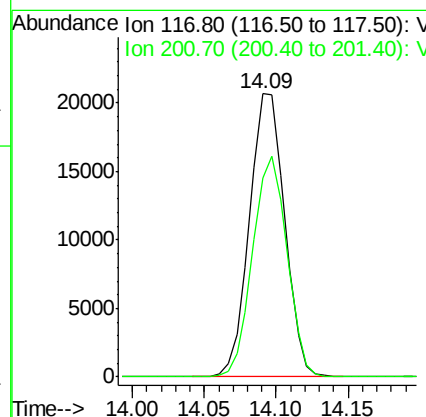
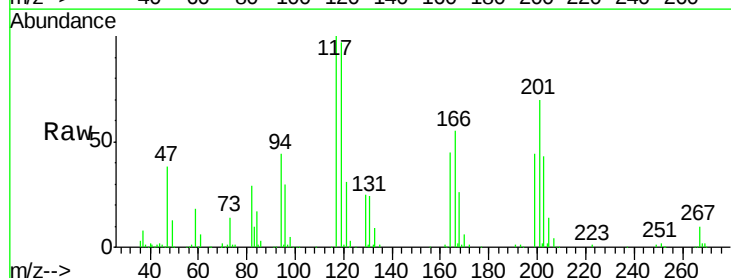
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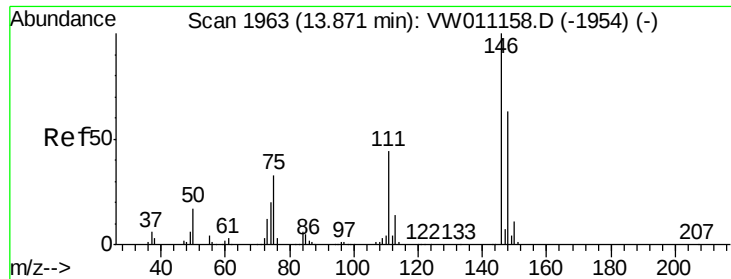
MMDadoda
7/11/2019 2:50:15 PM



#90
Hexachloroethane
Concen: 17.843 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34946		
201	76.0	38.3	114.8	





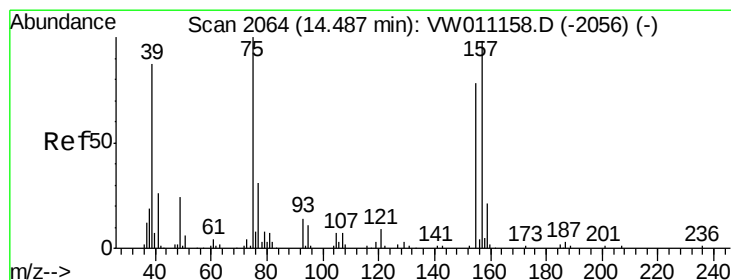
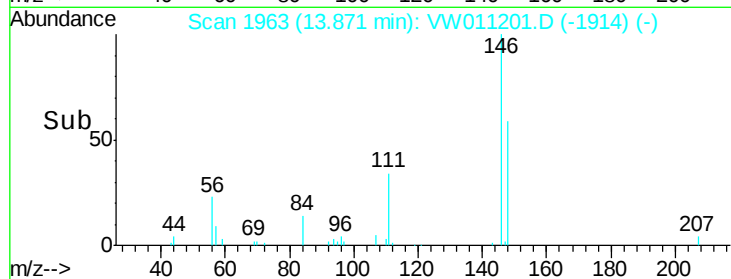
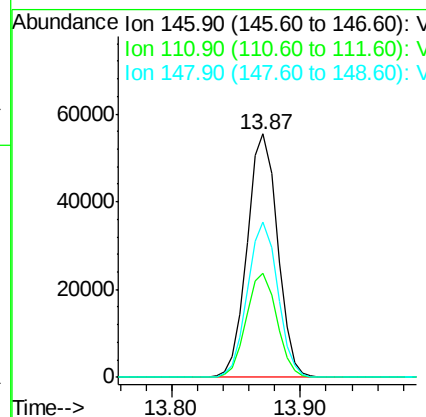
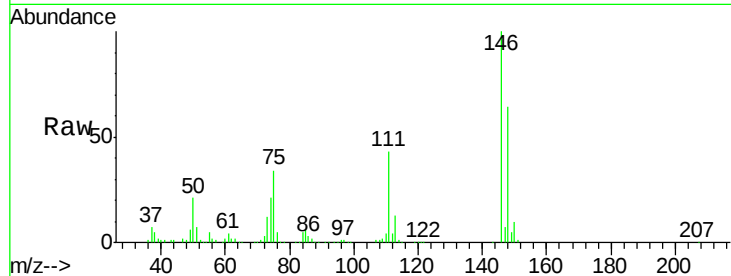
#91
 1,2-Dichlorobenzene
 Concen: 19.656 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0711SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	65.0
148	63.7	31.9	95.5

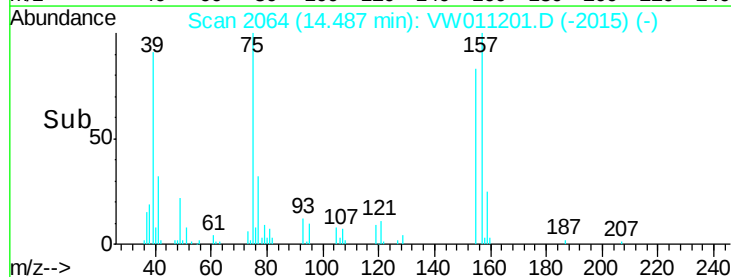
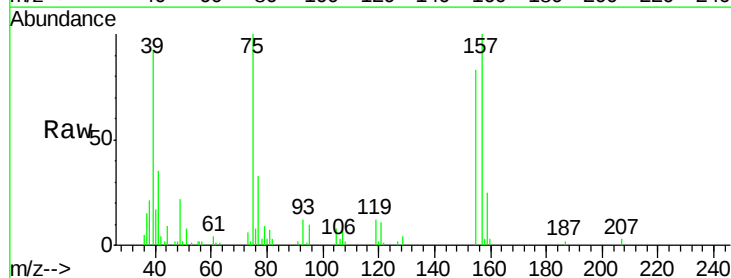
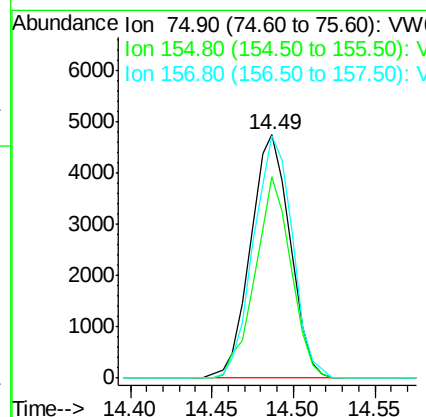
Manual Integrations
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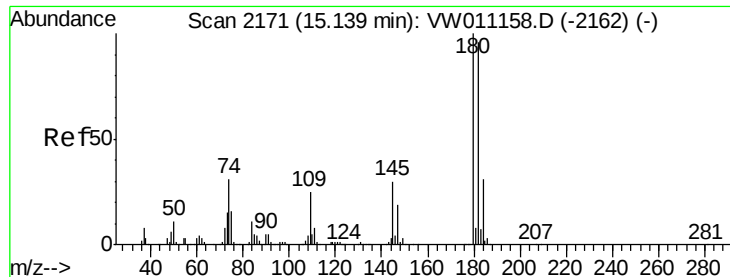
MMDadoda
 7/11/2019 2:50:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.811 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	37.1	111.3
157	97.3	48.5	145.6





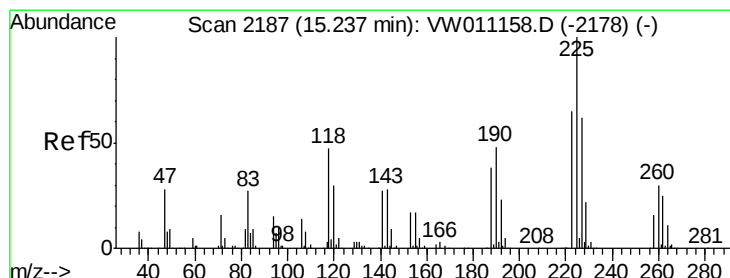
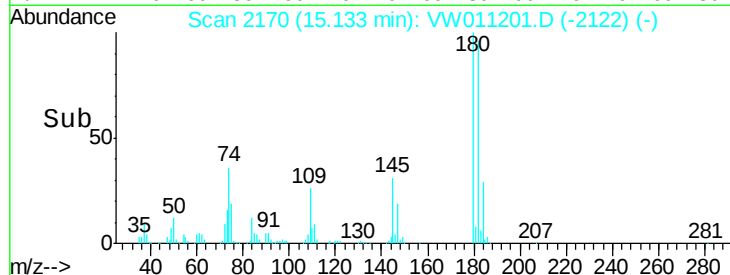
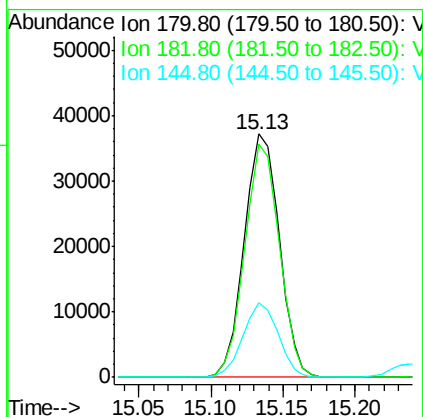
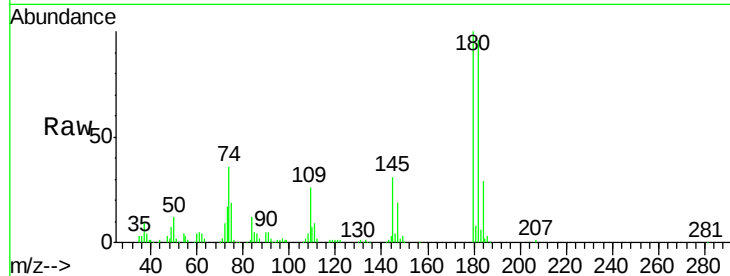
#93
 1,2,4-Trichlorobenzene
 Concen: 19.900 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0711SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62753		
182	94.6	48.3	144.9	
145	30.8	15.5	46.5	

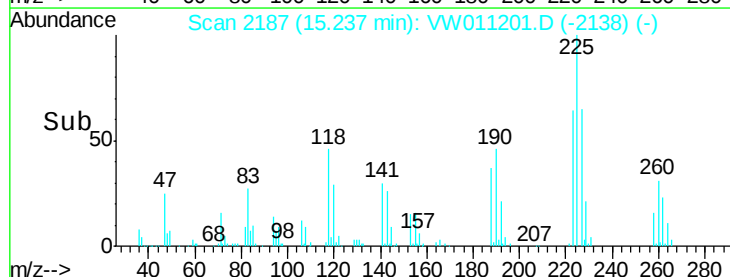
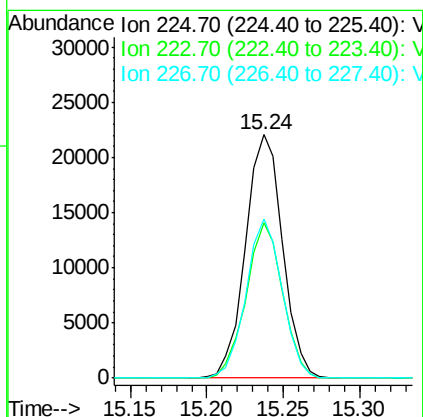
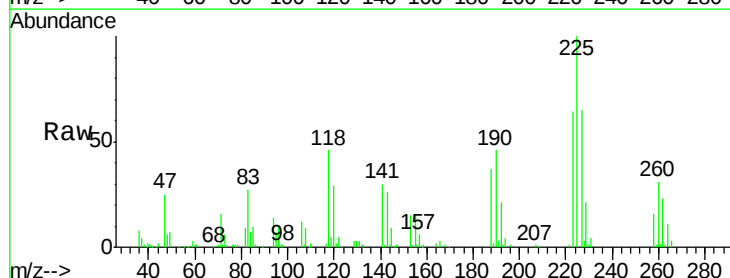
Manual Integrations
 APPROVED

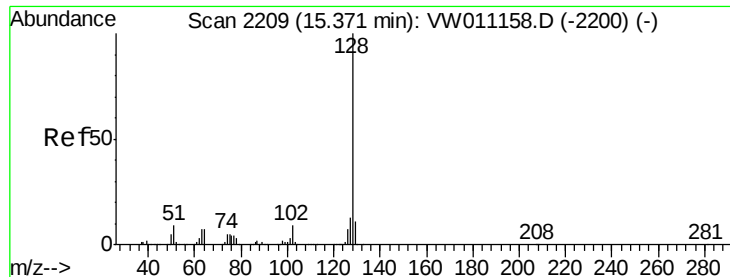
MMDadoda
 7/11/2019 2:50:15 PM



#94
 Hexachlorobutadiene
 Concen: 19.180 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011201.D
 Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	37133		
223	62.7	31.6	95.0	
227	63.6	32.0	96.0	





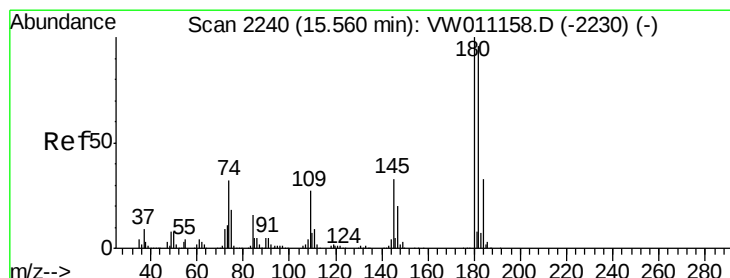
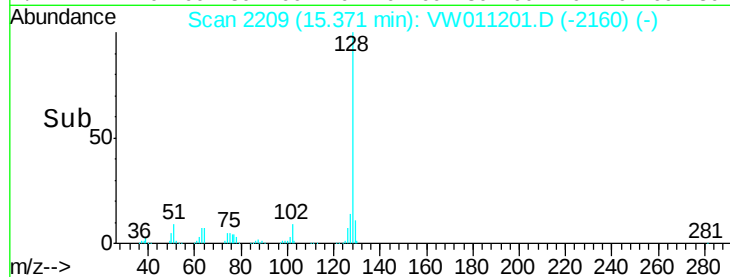
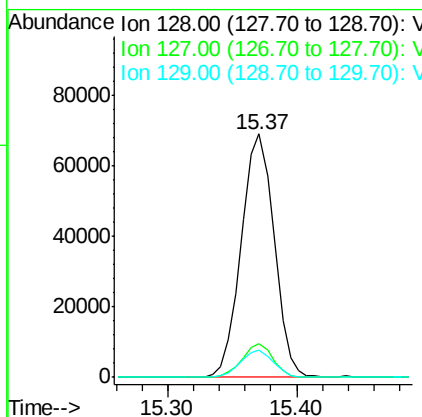
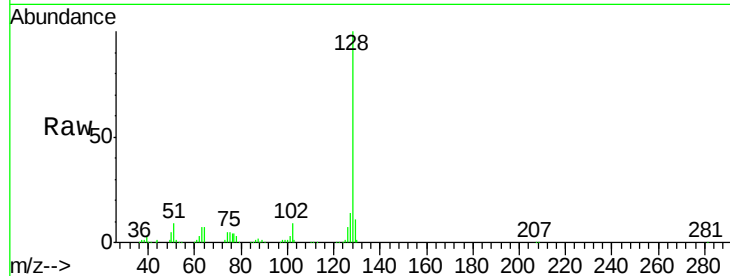
#95
Naphthalene
Concen: 20.232 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Instrument :
MSVOA_W
ClientSampleId :
VW0711SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122258		
127	13.1	10.6	16.0	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.281 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011201.D
Acq: 10 Jul 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56444		
182	93.9	47.6	142.8	
145	32.0	16.5	49.5	

