

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009566.D
 Acq On : 29 Mar 2019 10:48
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:45 AM

Quant Time: Mar 29 13:23:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	297787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	459201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	426347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230826	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	66420	19.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.44%	
35) Dibromofluoromethane	7.88	113	57021	19.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.34%	
50) Toluene-d8	10.32	98	208789	18.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.32%	
62) 4-Bromofluorobenzene	12.62	95	77120	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43961	25.248	ug/l	94
3) Chloromethane	2.21	50	51367	22.295	ug/l	99
4) Vinyl Chloride	2.37	62	69154	21.867	ug/l	98
5) Bromomethane	2.78	94	54182	22.683	ug/l	88
6) Chloroethane	2.92	64	53462	22.363	ug/l	98
7) Trichlorofluoromethane	3.25	101	45921	20.928	ug/l	100
8) Diethyl Ether	3.67	74	31113	20.070	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	65085	22.214	ug/l	99
10) Methyl Iodide	4.27	142	86698	21.066	ug/l	96
11) Tert butyl alcohol	5.17	59	18791m	98.475	ug/l	
12) 1,1-Dichloroethene	4.04	96	59272	21.322	ug/l	99
13) Acrolein	3.88	56	15006	103.905	ug/l	99
14) Allyl chloride	4.66	41	94040	20.509	ug/l	95
15) Acrylonitrile	5.37	53	68541	99.765	ug/l	99
16) Acetone	4.12	43	73194	95.175	ug/l	92
17) Carbon Disulfide	4.37	76	171441	22.077	ug/l	100
18) Methyl Acetate	4.67	43	32479	18.081	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	81123	20.196	ug/l	97
20) Methylene Chloride	4.90	84	69160	22.793	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	63545	21.270	ug/l	90
22) Diisopropyl ether	6.31	45	200441	20.009	ug/l	98
23) Vinyl Acetate	6.25	43	630871	99.929	ug/l	99
24) 1,1-Dichloroethane	6.21	63	122058	20.796	ug/l	99
25) 2-Butanone	7.17	43	103226	98.590	ug/l	100
26) 2,2-Dichloropropane	7.17	77	70912	21.117	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	67256	20.324	ug/l	95
28) Bromochloromethane	7.51	49	52398	21.156	ug/l #	94
29) Tetrahydrofuran	7.53	42	62725	95.702	ug/l	97
30) Chloroform	7.67	83	126487	20.955	ug/l	97
31) Cyclohexane	7.95	56	112404	21.453	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	103791	21.115	ug/l	96
36) 1,1-Dichloropropene	8.08	75	98267	20.560	ug/l	100
37) Ethyl Acetate	7.25	43	45918	20.452	ug/l	100
38) Carbon Tetrachloride	8.06	117	101140	20.899	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110181	20.008	ug/l	95
40) Benzene	8.32	78	264099	20.430	ug/l	99
41) Methacrylonitrile	7.48	41	22955	17.185	ug/l	94
42) 1,2-Dichloroethane	8.40	62	91134	21.124	ug/l	98
43) Isopropyl Acetate	8.42	43	85819	19.728	ug/l	99
44) Trichloroethene	9.09	130	69087	20.707	ug/l	98
45) 1,2-Dichloropropane	9.37	63	67483	20.473	ug/l	96
46) Dibromomethane	9.46	93	36964	20.975	ug/l	95
47) Bromodichloromethane	9.65	83	94025	20.479	ug/l	97
48) Methyl methacrylate	9.44	41	38277	17.747	ug/l	96
49) 1,4-Dioxane	9.45	88	10861	398.602	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	230073	96.485	ug/l	98
52) Toluene	10.39	92	165840	20.003	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	87351	19.110	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	98773	19.442	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	48113	20.073	ug/l	89
56) Ethyl methacrylate	10.65	69	55130	17.691	ug/l	95
57) 1,3-Dichloropropane	10.93	76	84648	19.642	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	128499	84.168	ug/l	99
59) 2-Hexanone	10.97	43	157646	92.923	ug/l	100
60) Dibromochloromethane	11.13	129	57987	19.924	ug/l	97
61) 1,2-Dibromoethane	11.23	107	46828	20.243	ug/l	99
64) Tetrachloroethene	10.86	164	59030	20.849	ug/l	99
65) Chlorobenzene	11.66	112	182669	20.504	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	67786	20.710	ug/l	99
67) Ethyl Benzene	11.73	91	320910	19.664	ug/l	99
68) m/p-Xylenes	11.84	106	249998	40.312	ug/l	99
69) o-Xylene	12.17	106	113852	19.570	ug/l	100
70) Styrene	12.18	104	191974	19.531	ug/l	99
71) Bromoform	12.35	173	34334	19.438	ug/l	99
73) Isopropylbenzene	12.46	105	326813	19.169	ug/l	100
74) N-amyl acetate	12.27	43	81595	18.979	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	60527	20.130	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	43547m	19.947	ug/l	
77) Bromobenzene	12.75	156	76890	20.234	ug/l	98
78) n-propylbenzene	12.80	91	404728	19.270	ug/l	99
79) 2-Chlorotoluene	12.90	91	231277	19.597	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	279382	19.364	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17786	19.020	ug/l	95
82) 4-Chlorotoluene	12.99	91	241382	19.421	ug/l	100
83) tert-Butylbenzene	13.21	119	235623	19.194	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	291772	19.585	ug/l	98
85) sec-Butylbenzene	13.39	105	354189	18.998	ug/l	100
86) p-Isopropyltoluene	13.50	119	313504	19.347	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	157677	20.158	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	156839	20.166	ug/l	99
89) n-Butylbenzene	13.83	91	307016	19.239	ug/l	99
90) Hexachloroethane	14.10	117	59868	19.944	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	141748	20.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11012	19.891	ug/l	95

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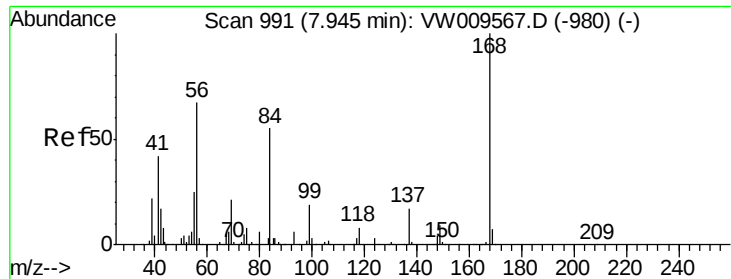
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92509	19.833	ug/l	99
94) Hexachlorobutadiene	15.24	225	58396	20.140	ug/l	99
95) Naphthalene	15.37	128	154191	17.815	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	83515	20.322	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 297787

Ion Ratio Lower Upper

168 100

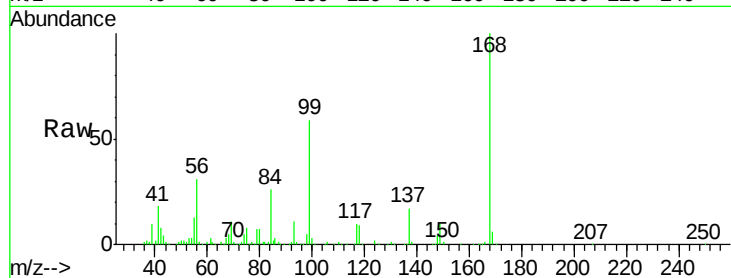
99 58.7 45.4 68.0

Manual Integrations

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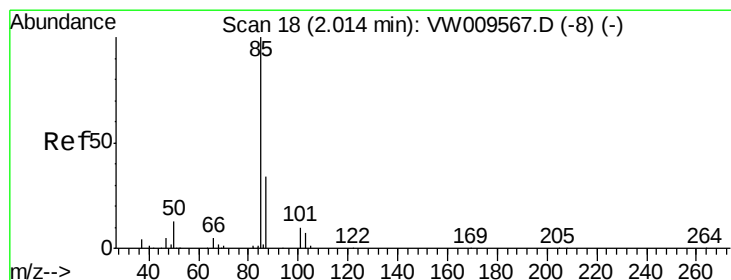
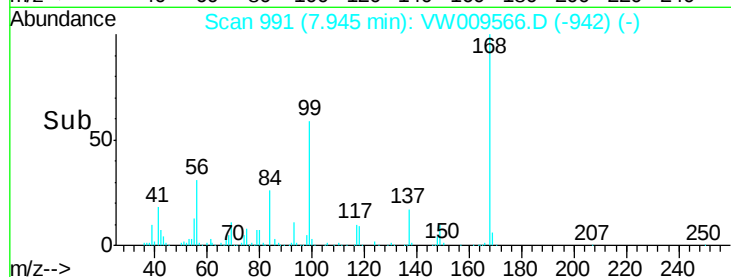
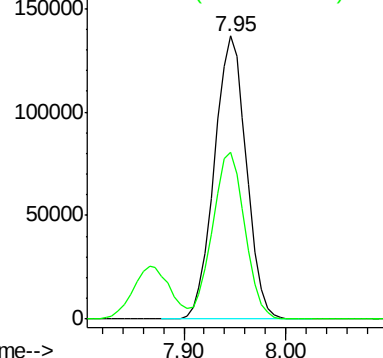
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 25.248 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW009566.D

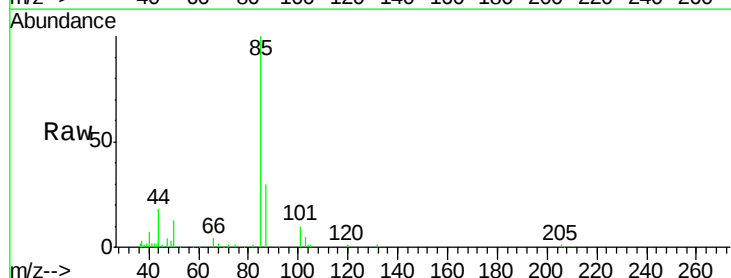
Acq: 29 Mar 2019 10:48

Tgt Ion: 85 Resp: 43961

Ion Ratio Lower Upper

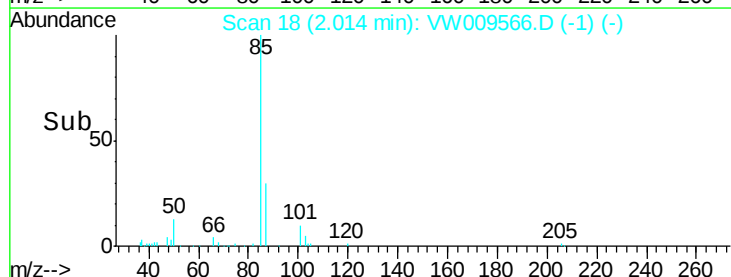
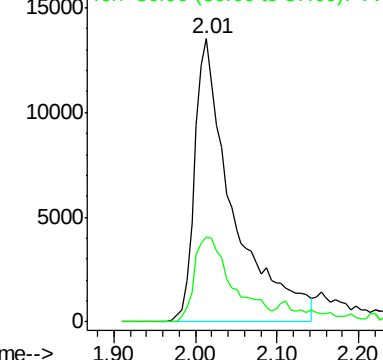
85 100

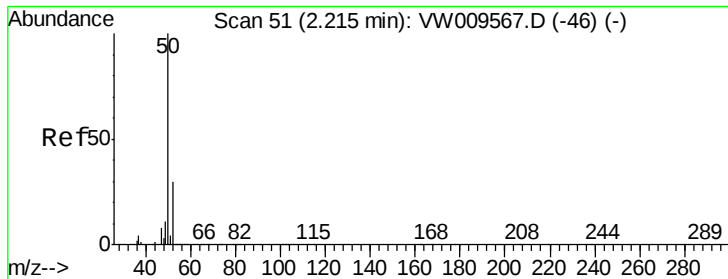
87 30.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.295 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 51367

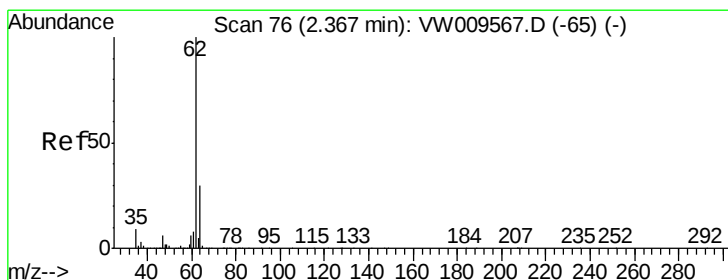
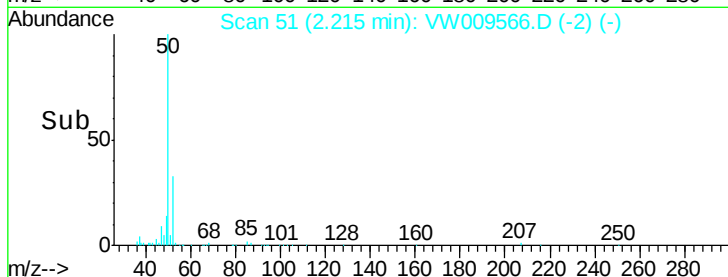
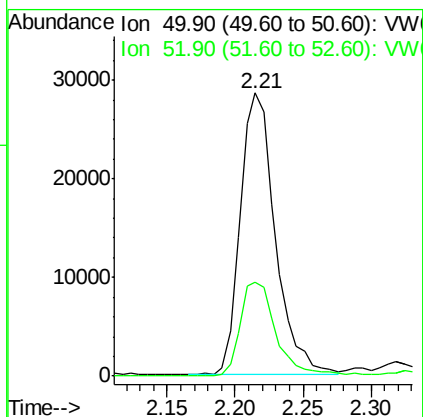
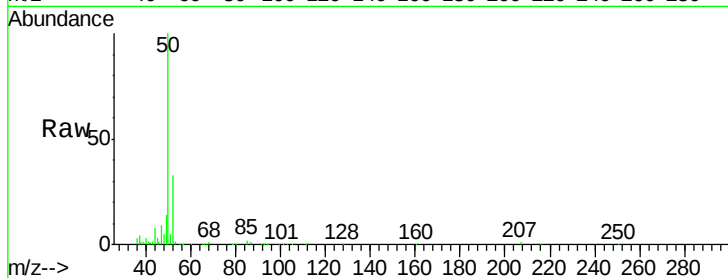
Ion Ratio Lower Upper

50 100

52 33.5 27.2 40.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.867 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009566.D

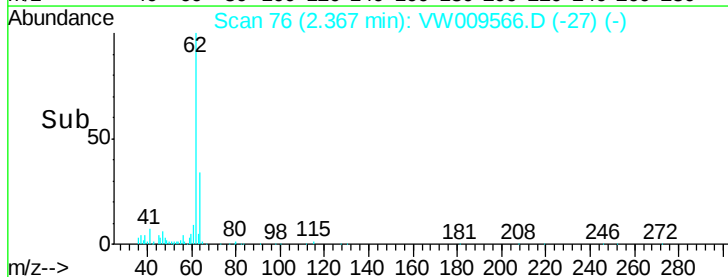
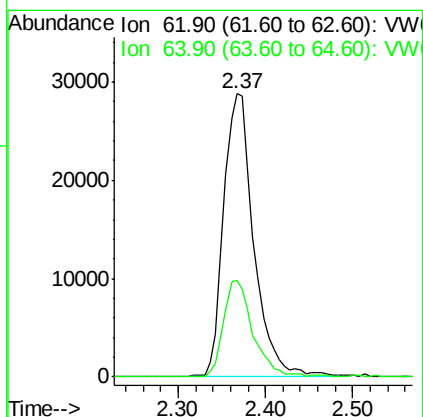
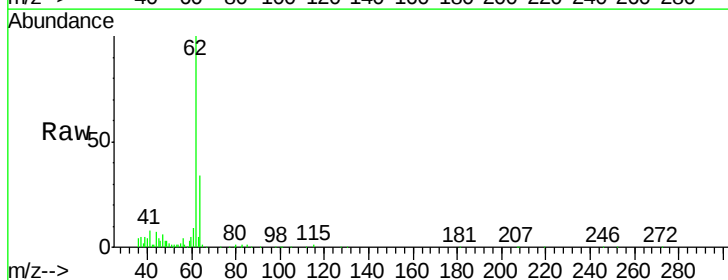
Acq: 29 Mar 2019 10:48

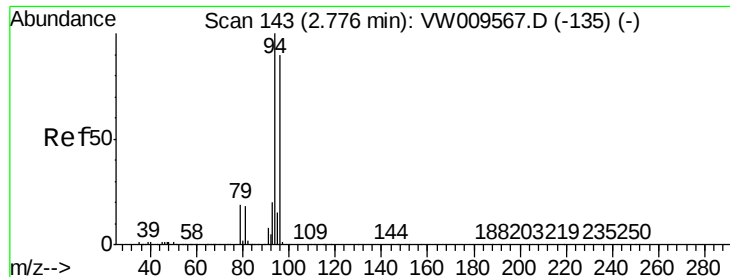
Tgt Ion: 62 Resp: 69154

Ion Ratio Lower Upper

62 100

64 33.9 26.2 39.2





#5

Bromomethane

Concen: 22.683 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 54182

Ion Ratio Lower Upper

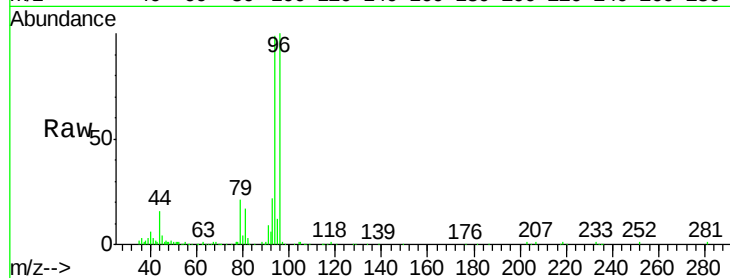
94 100

96 100.6 71.4 107.2

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

25000

20000

15000

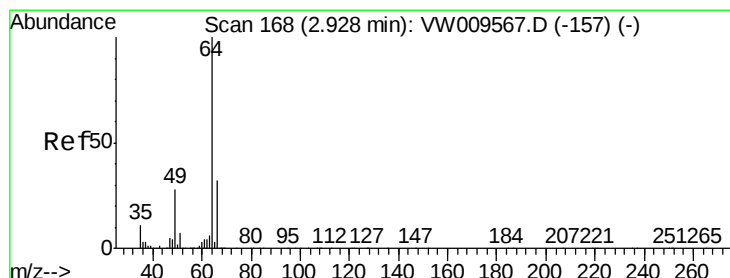
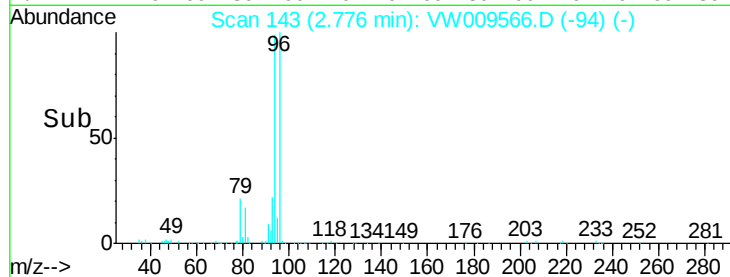
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 22.363 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009566.D

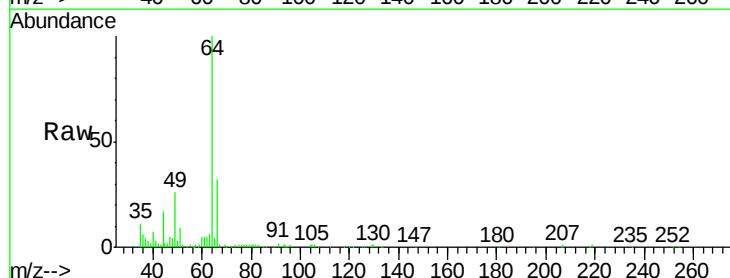
Acq: 29 Mar 2019 10:48

Tgt Ion: 64 Resp: 53462

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

20000

15000

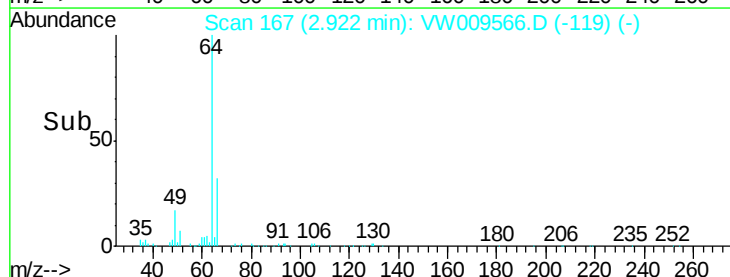
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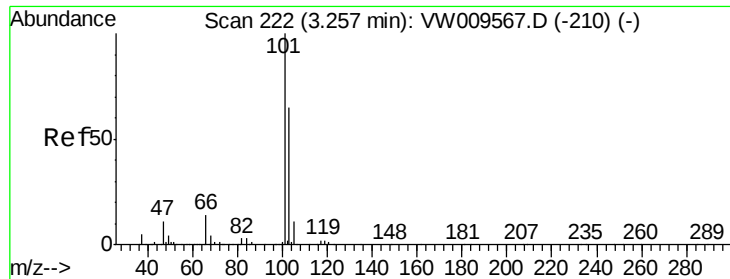
5000

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Time-->

2.80 2.90 3.00 3.10





#7

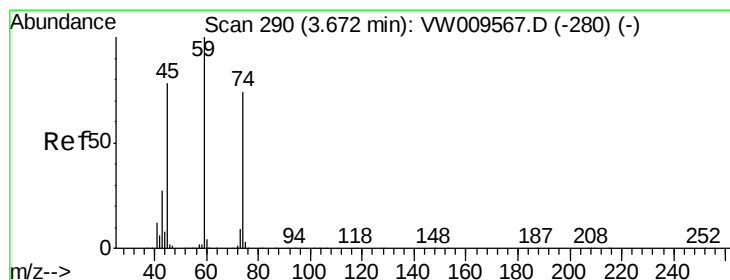
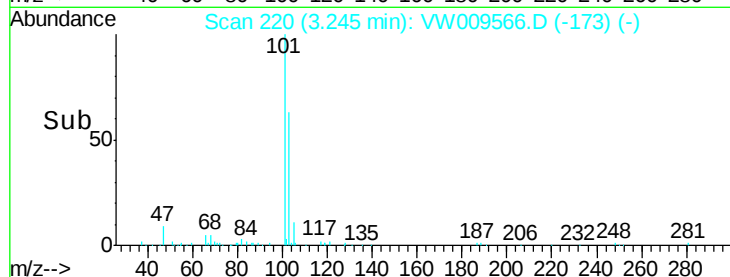
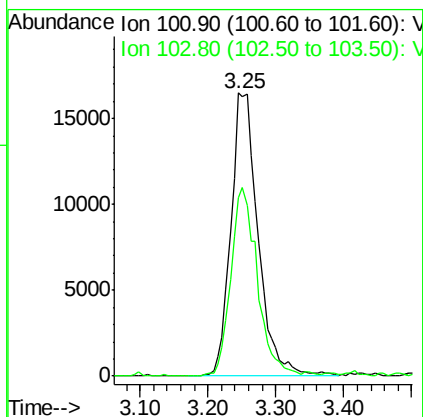
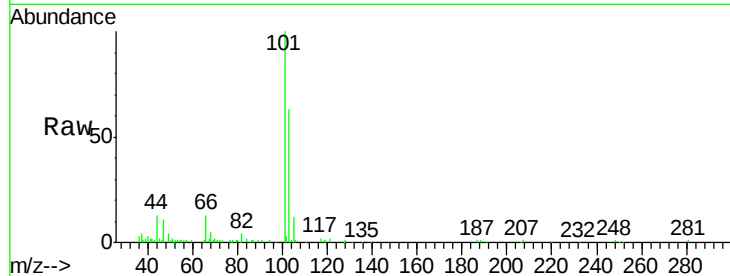
Trichlorofluoromethane
 Concen: 20.928 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.5	75.7

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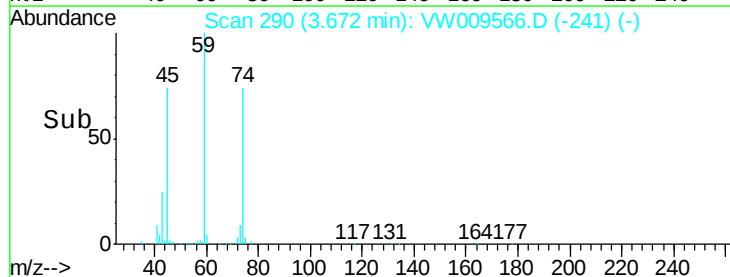
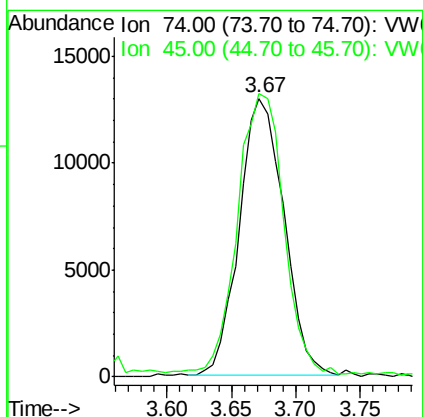
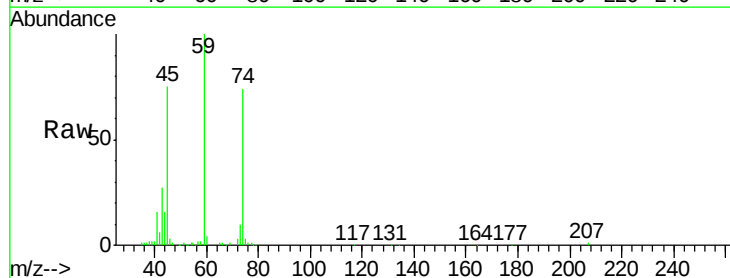
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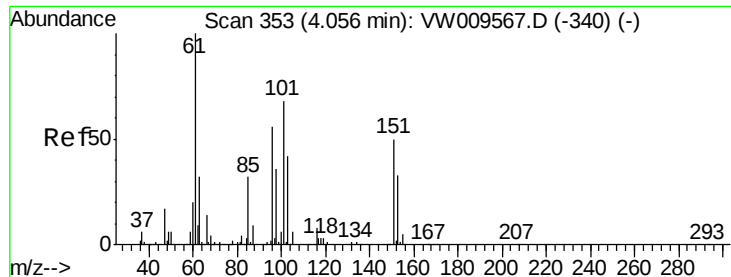


#8

Diethyl Ether
 Concen: 20.070 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.214 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

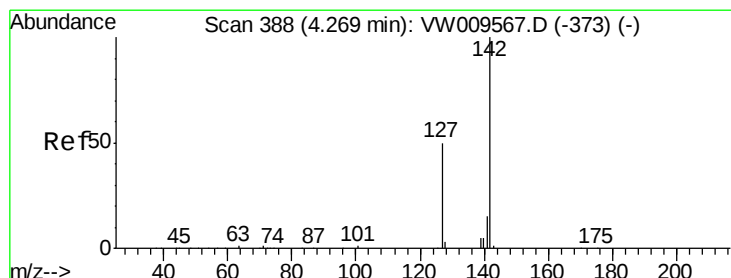
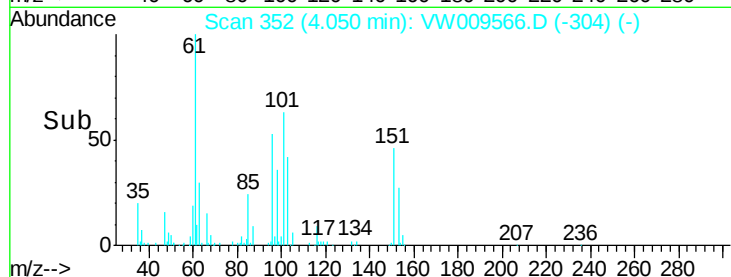
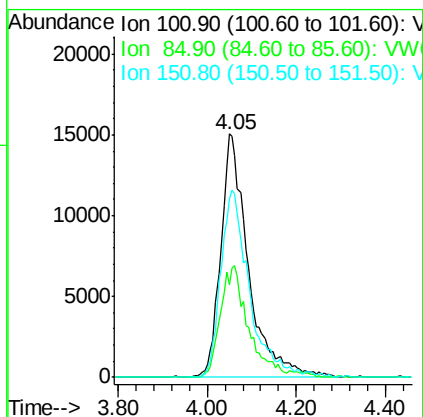
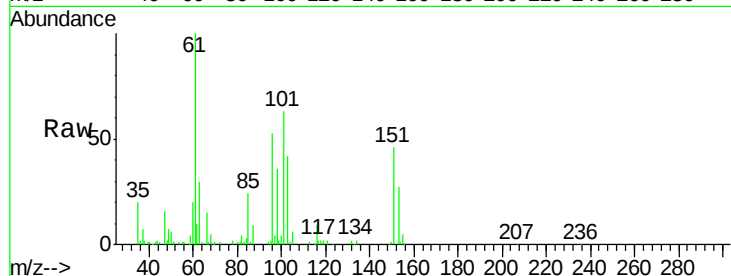
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	65085
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.1	52.7
151	78.1	62.9	94.3

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#10

Methyl Iodide

Concen: 21.066 ug/l

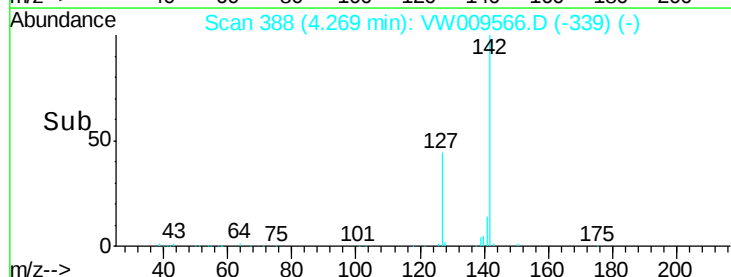
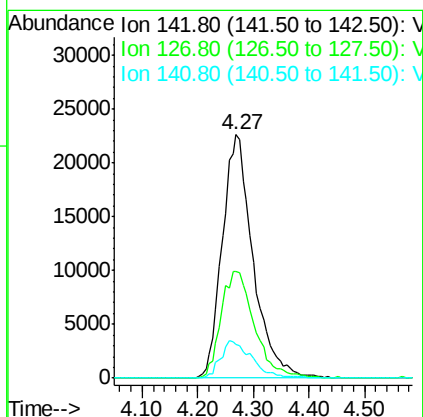
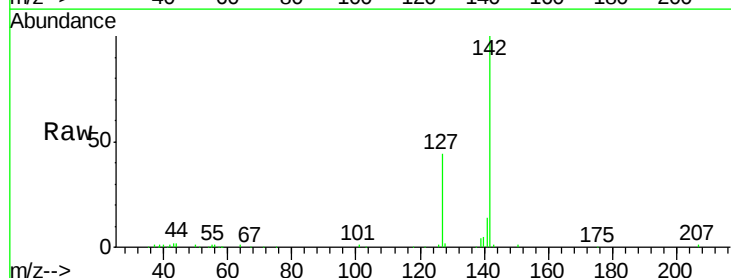
RT: 4.27 min Scan# 388

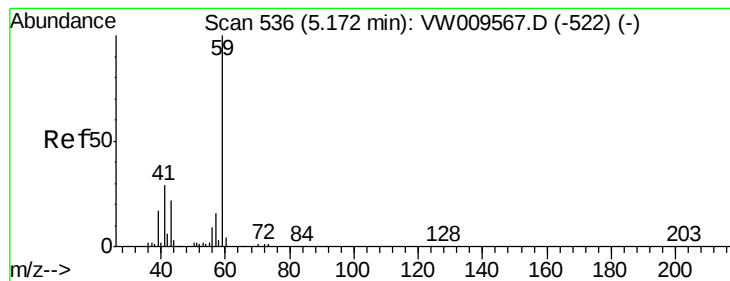
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	142	Resp:	86698
Ion Ratio	Lower	Upper	
142	100		
127	47.9	35.9	53.9
141	15.6	11.4	17.2





#11

Tert butyl alcohol

Concen: 98.475 ug/l m

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 59 Resp: 18791

Ion Ratio Lower Upper

59 100

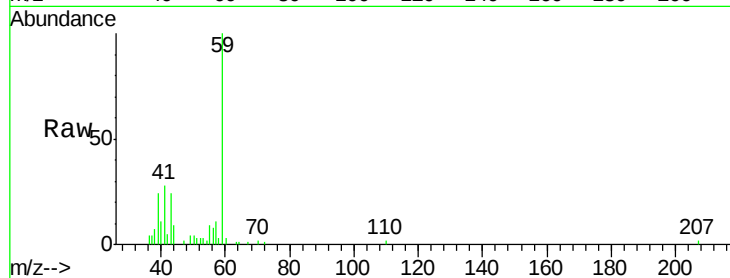
57 13.2 9.4 14.0

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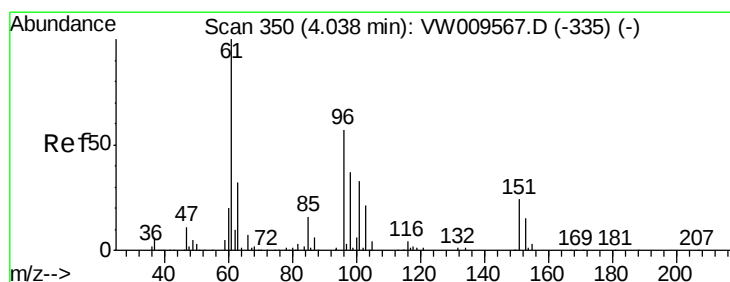
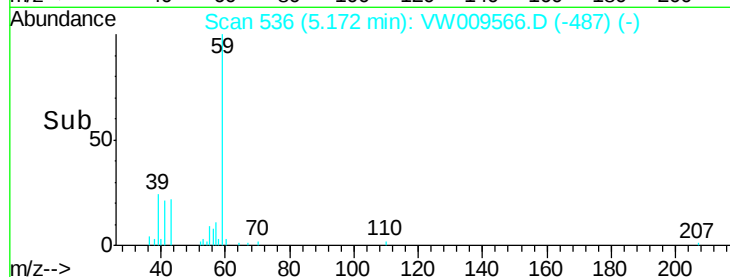
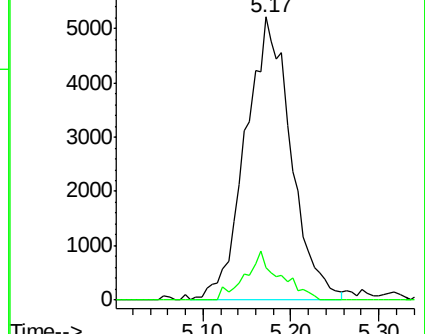
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 21.322 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

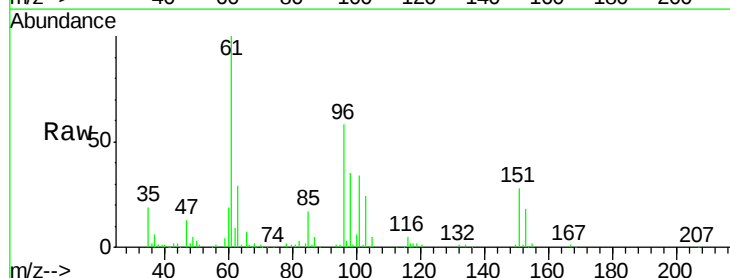
Tgt Ion: 96 Resp: 59272

Ion Ratio Lower Upper

96 100

61 173.5 138.0 207.0

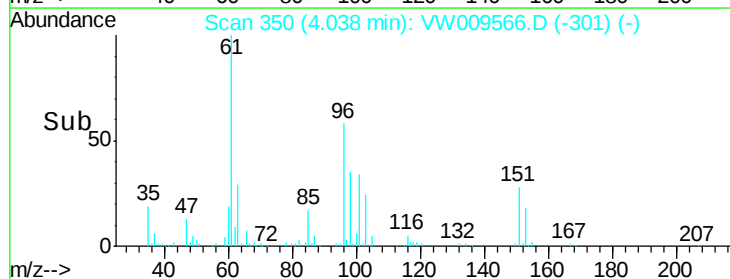
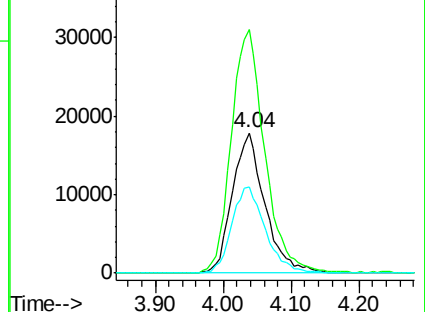
98 61.2 49.8 74.8

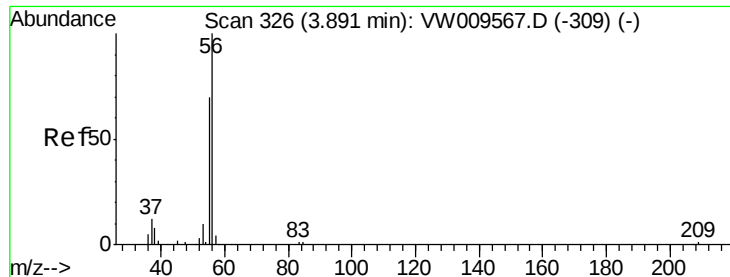


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 103.905 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 15006

Ion Ratio Lower Upper

56 100

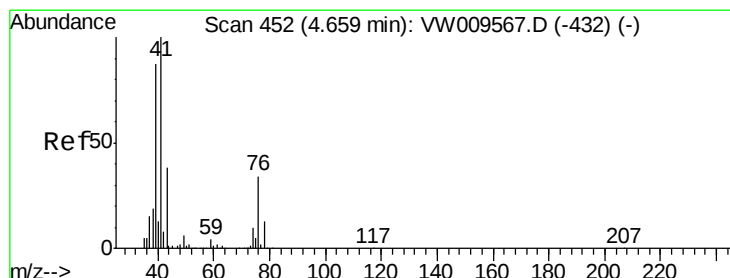
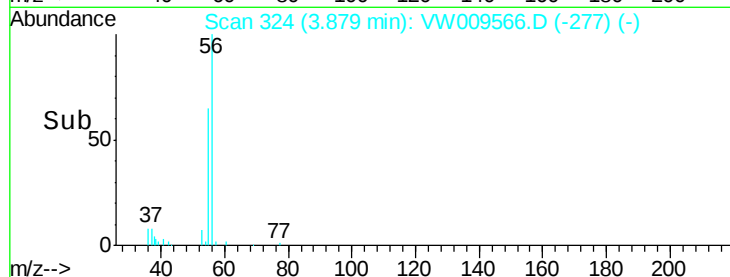
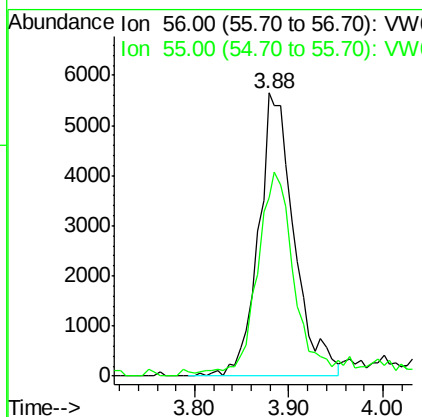
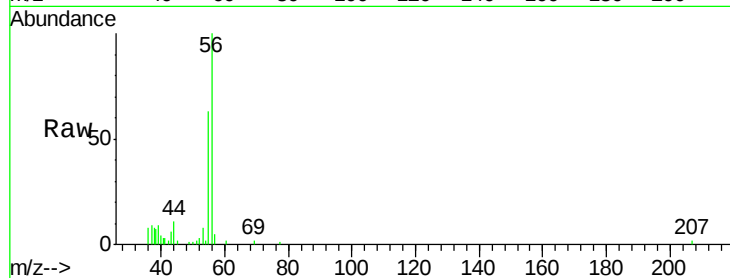
55 69.6 55.2 82.8

Manual Integrations

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4/1/2019 4:04:45 AM



#14

Allyl chloride

Concen: 20.509 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

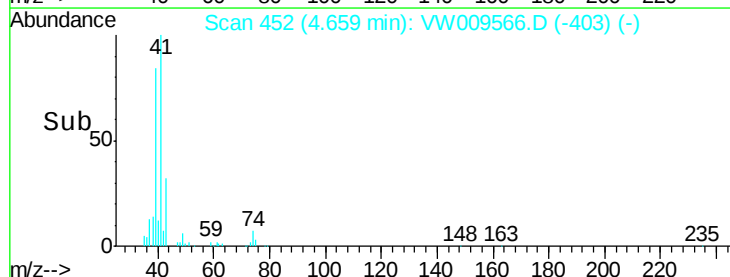
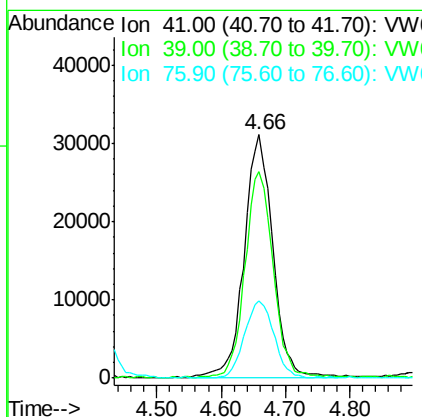
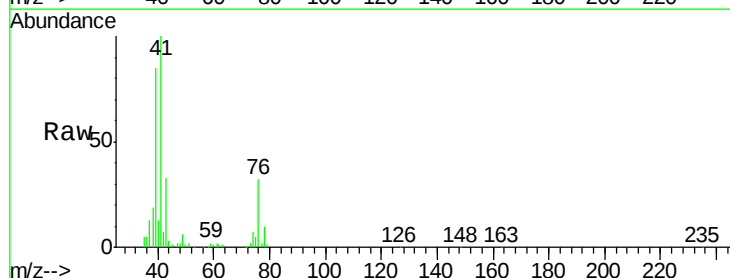
Tgt Ion: 41 Resp: 94040

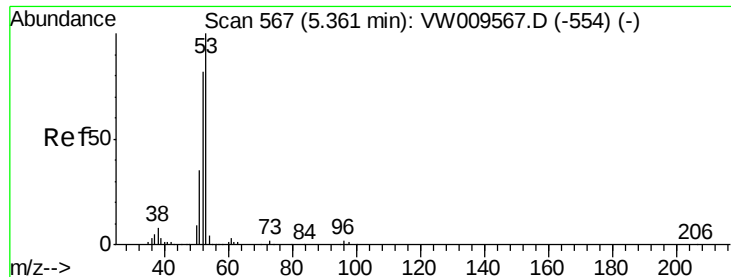
Ion Ratio Lower Upper

41 100

39 84.6 63.8 95.6

76 32.9 27.8 41.6





#15

Acrylonitrile

Concen: 99.765 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

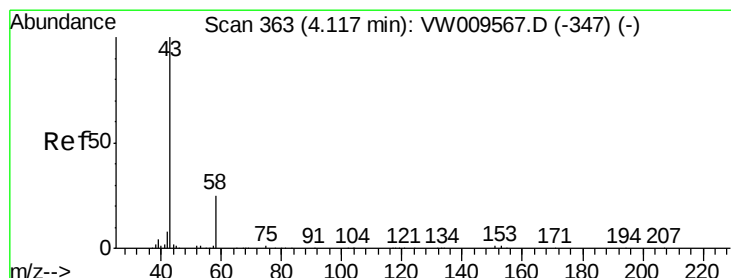
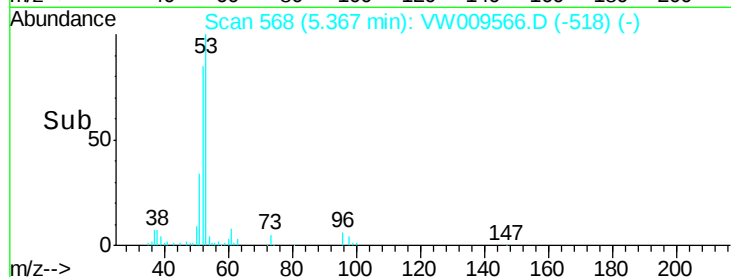
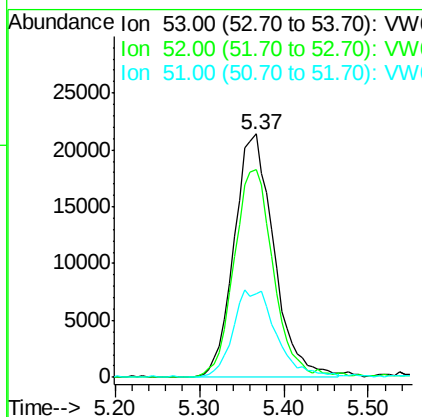
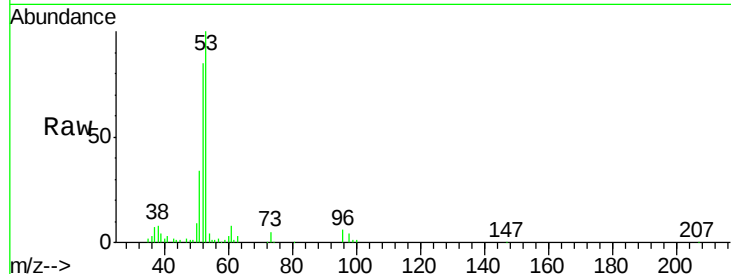
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	68541
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.6	101.4
51	39.1	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 95.175 ug/l

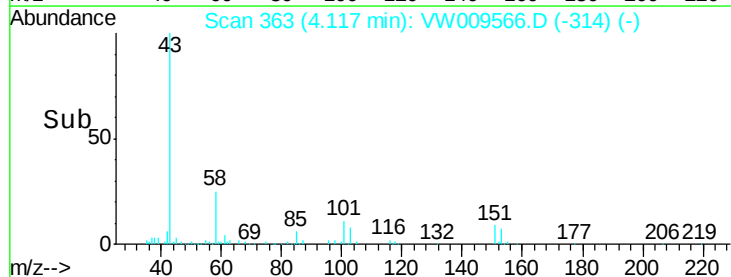
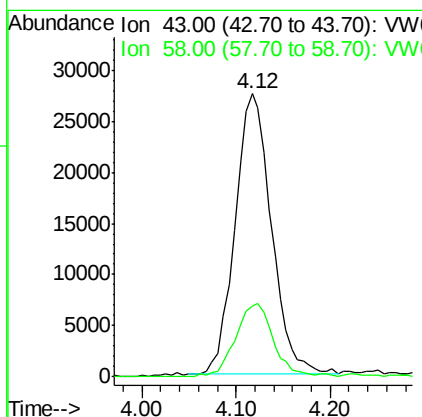
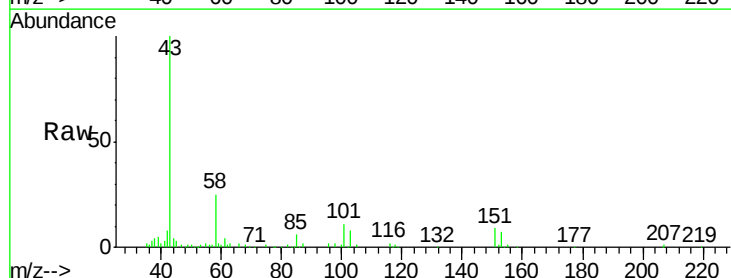
RT: 4.12 min Scan# 363

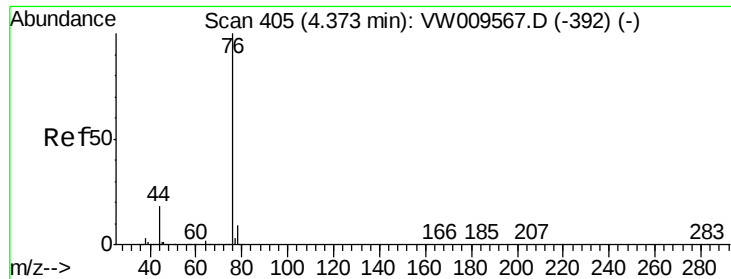
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	43	Resp:	73194
Ion	Ratio	Lower	Upper
43	100		
58	25.0	23.6	35.4





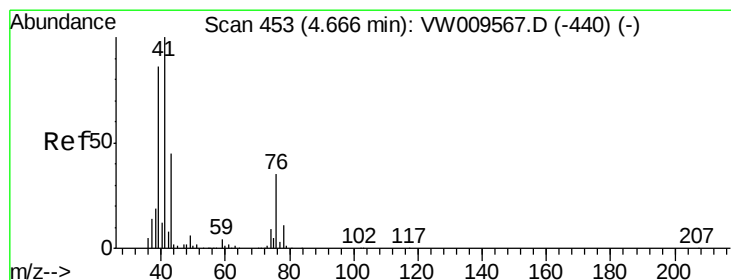
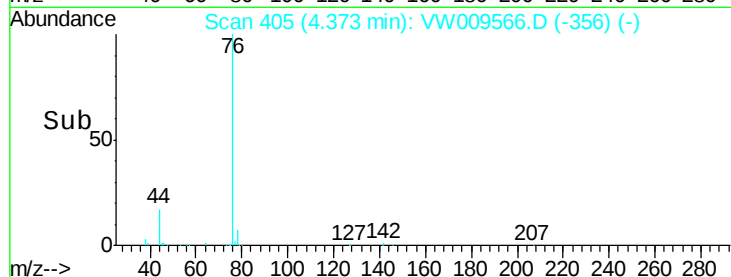
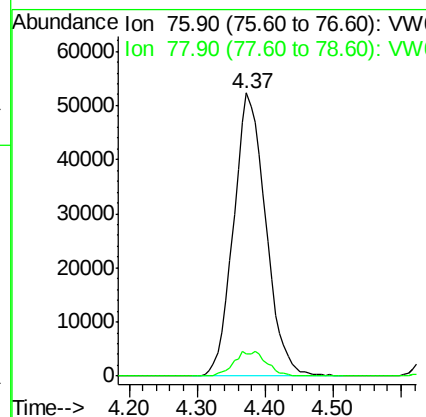
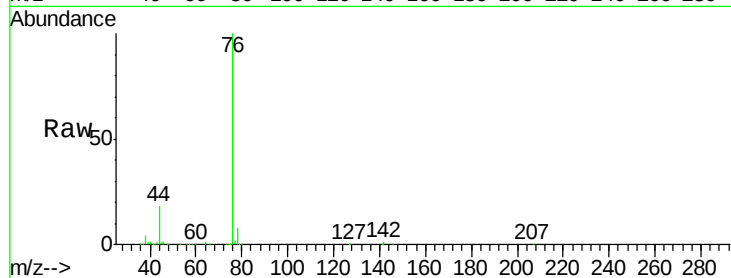
#17
Carbon Disulfide
Concen: 22.077 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	6.6	9.8

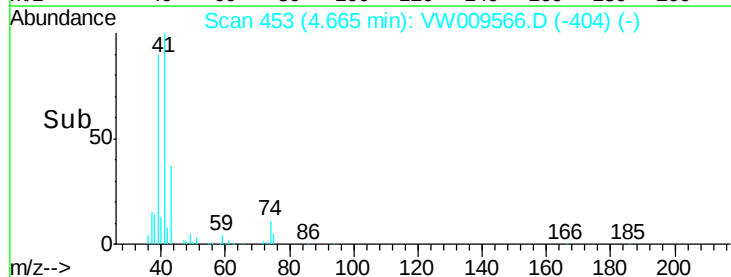
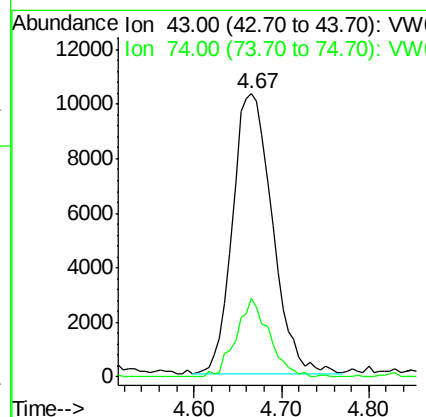
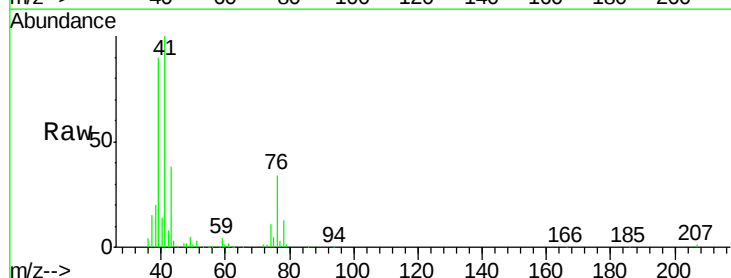
Manual Integrations
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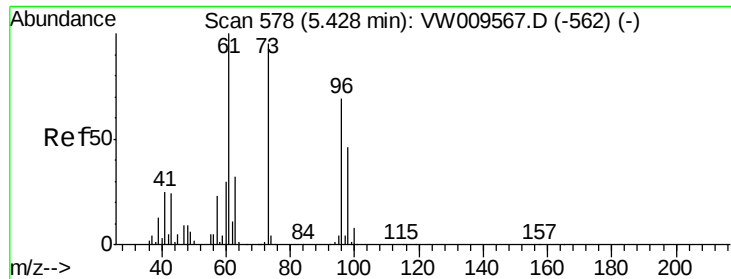
MMDadoda
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#18
Methyl Acetate
Concen: 18.081 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.7	26.5





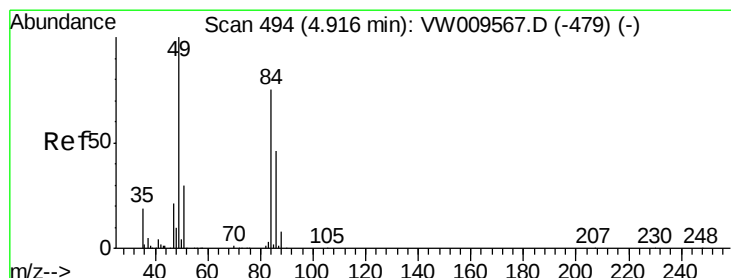
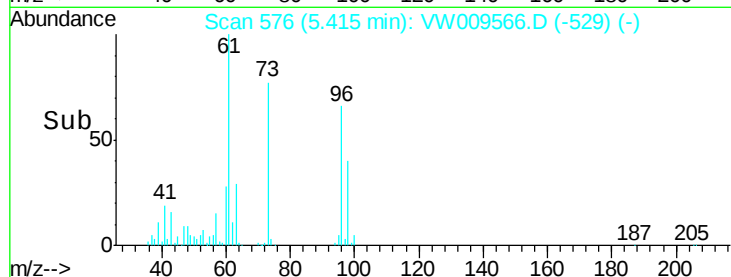
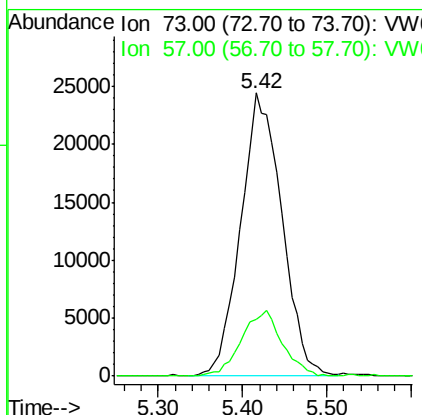
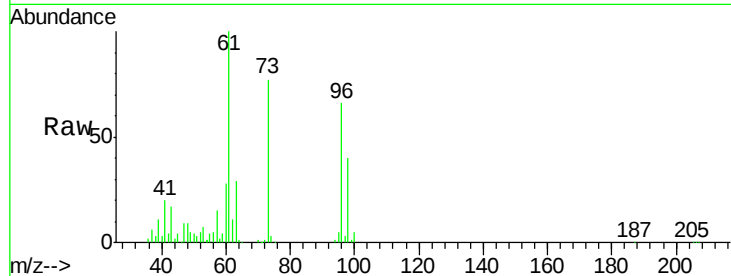
#19
Methvl tert-butvl Ether
Concen: 20.196 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 81123
Ion Ratio Lower Upper
73 100
57 20.1 17.0 25.6

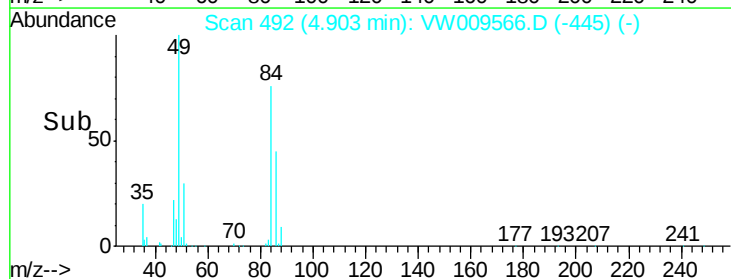
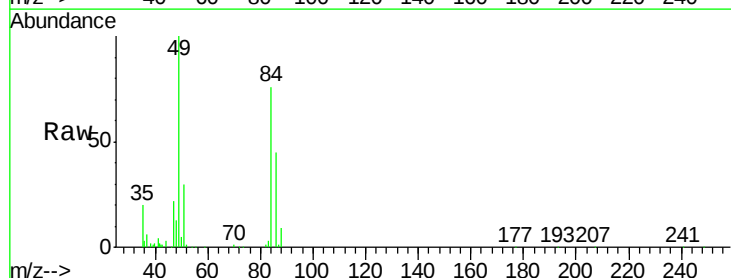
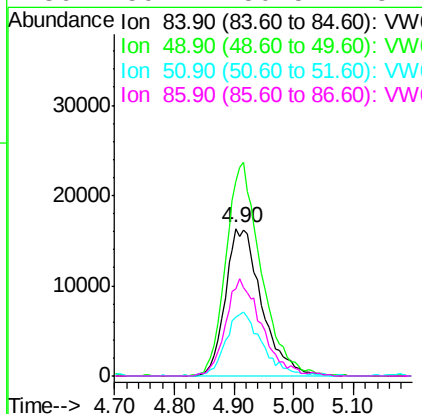
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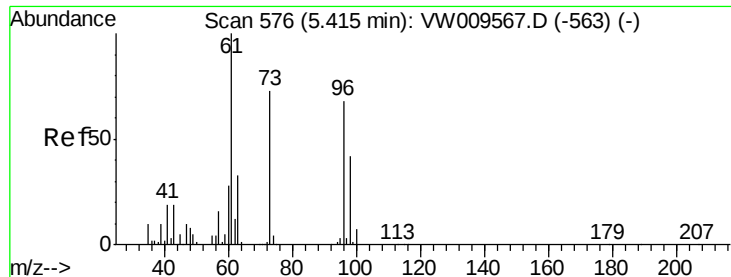
MMDadoda
4/1/2019 4:04:45 AM



#20
Methylene Chloride
Concen: 22.793 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 84 Resp: 69160
Ion Ratio Lower Upper
84 100
49 132.2 99.1 148.7
51 39.5 28.7 43.1
86 59.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 21.270 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

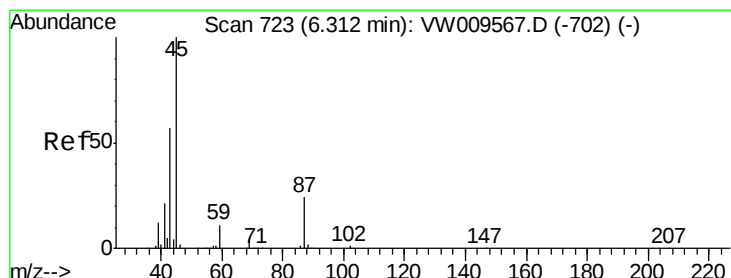
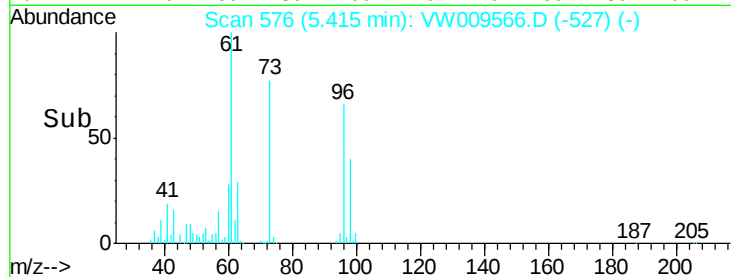
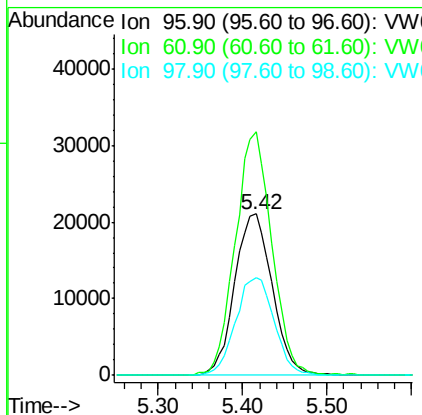
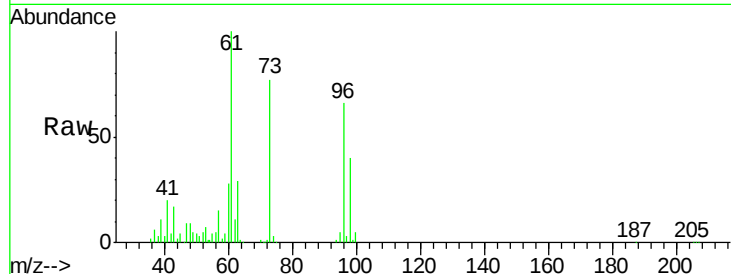
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	63545
Ion	Ratio	Lower	Upper
96	100		
61	150.8	108.2	162.4
98	61.0	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.009 ug/l

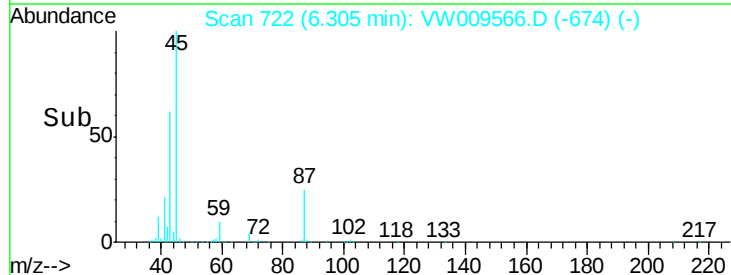
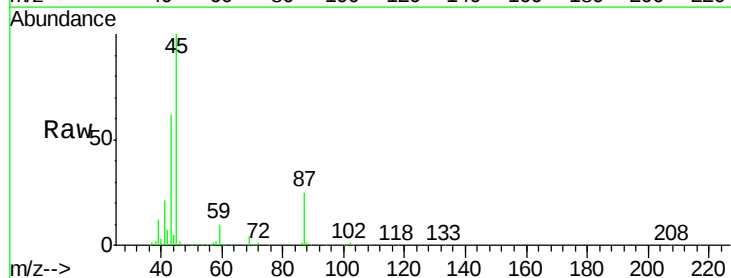
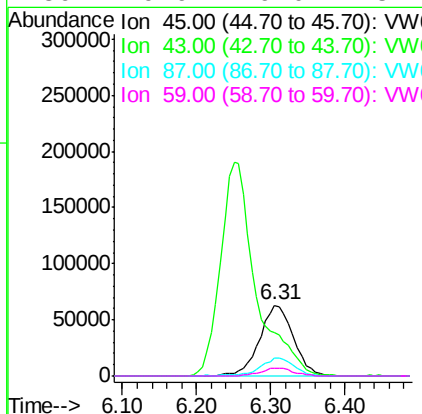
RT: 6.31 min Scan# 722

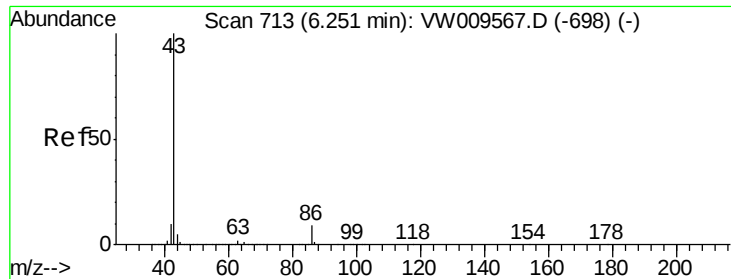
Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	45	Resp:	200441
Ion	Ratio	Lower	Upper
45	100		
43	61.3	47.9	71.9
87	24.2	20.6	30.8
59	9.9	9.0	13.4





#23

Vinyl Acetate

Concen: 99.929 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 630871

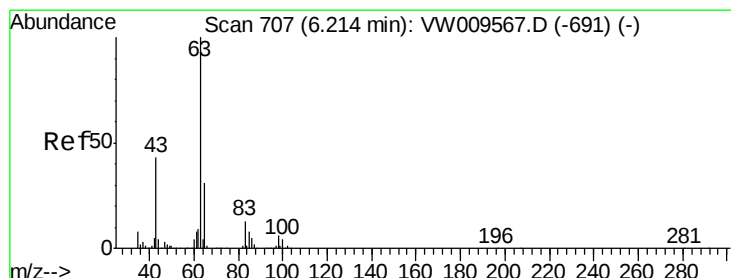
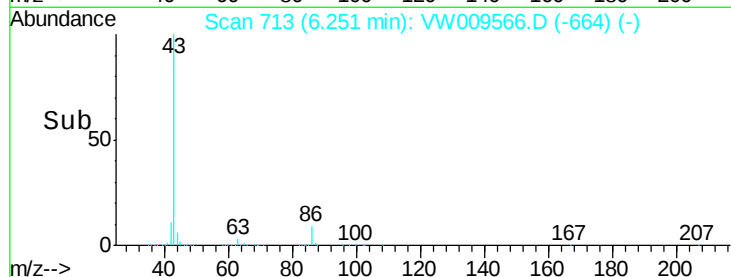
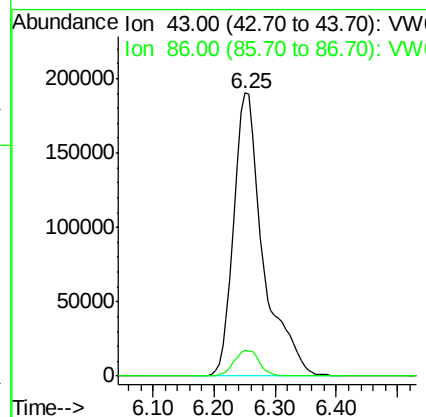
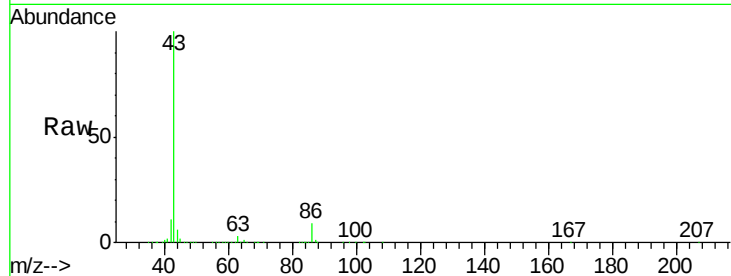
Ion Ratio Lower Upper

43 100

86 9.3 7.7 11.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.796 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

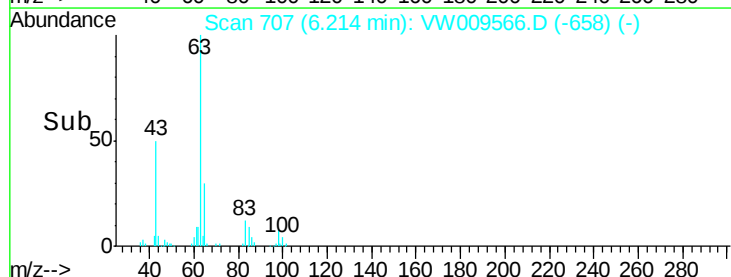
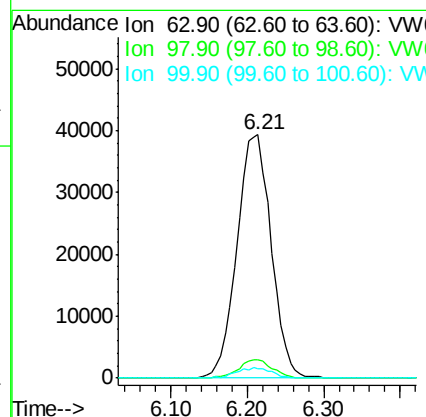
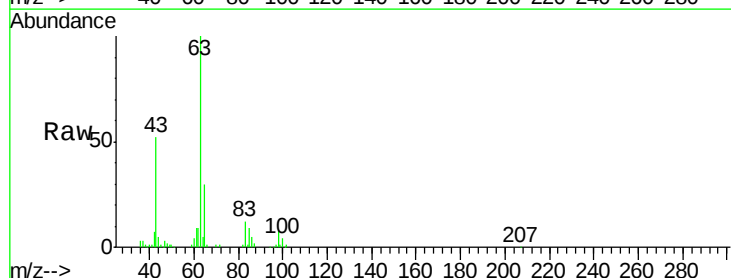
Tgt Ion: 63 Resp: 122058

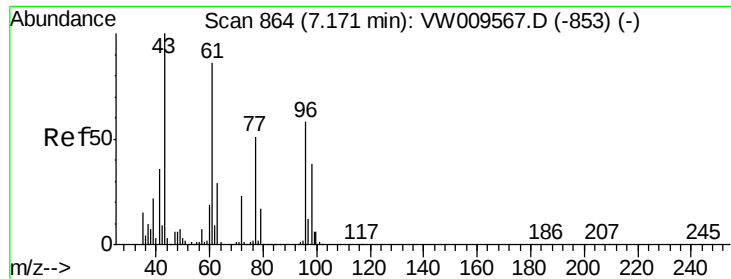
Ion Ratio Lower Upper

63 100

98 7.8 3.7 11.1

100 4.1 2.4 7.1





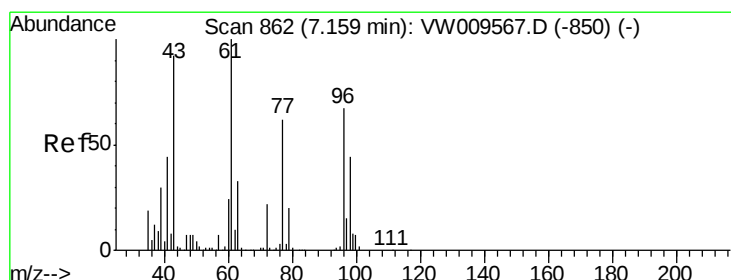
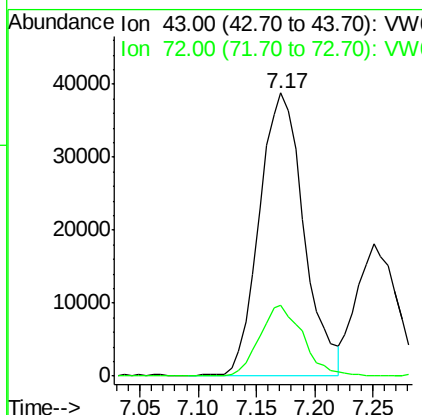
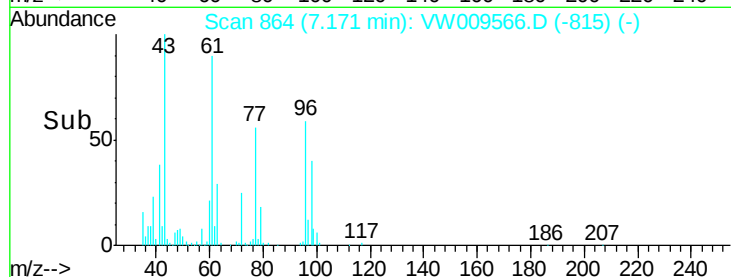
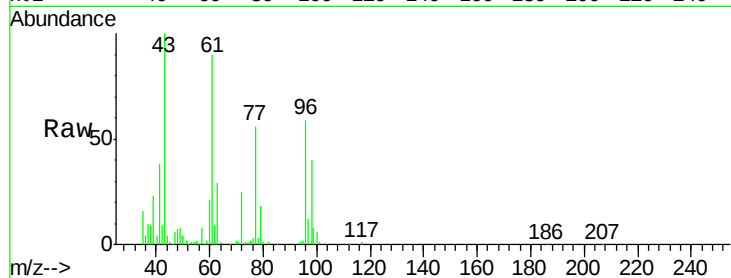
#25
2-Butanone
Concen: 98.590 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 103226
Ion Ratio Lower Upper
43 100
72 25.2 20.0 30.0

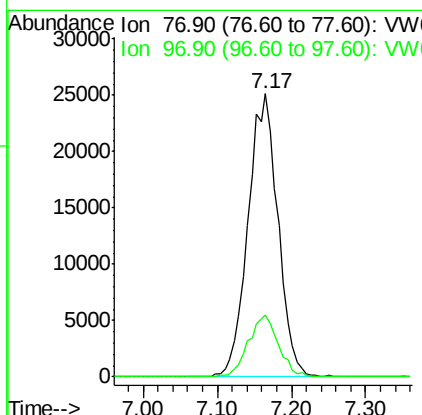
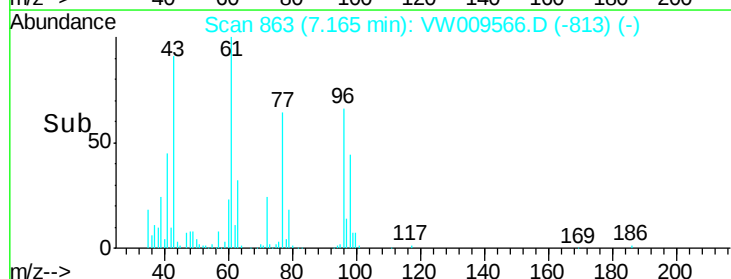
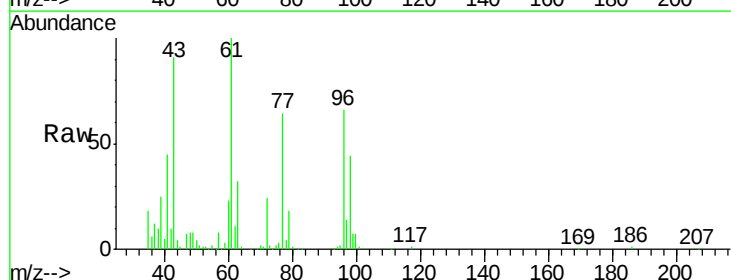
Manual Integrations
APPROVED

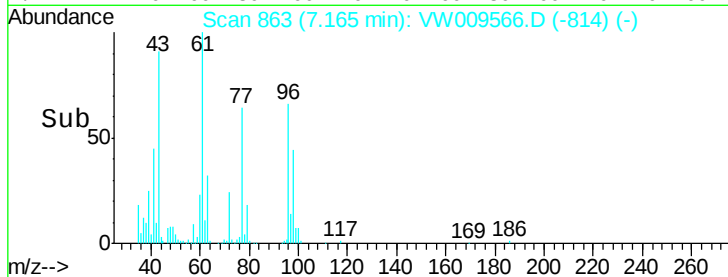
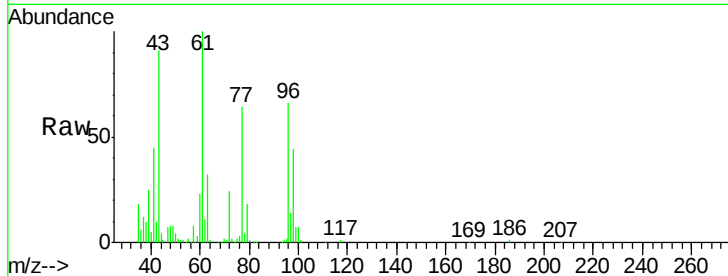
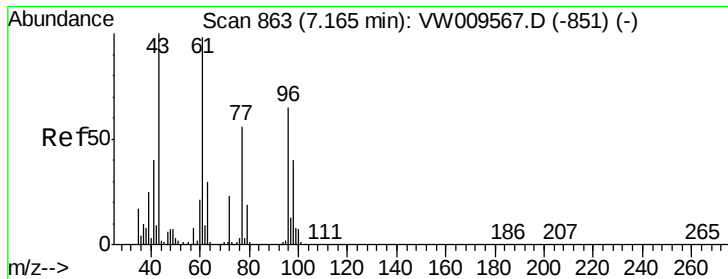
MMDadoda
4/1/2019 4:04:45 AM



#26
2,2-Dichloropropane
Concen: 21.117 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 77 Resp: 70912
Ion Ratio Lower Upper
77 100
97 21.8 11.6 34.7





#27

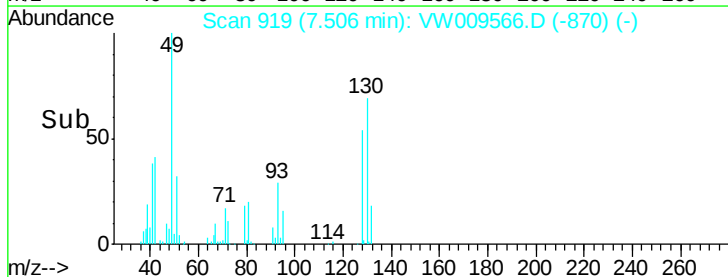
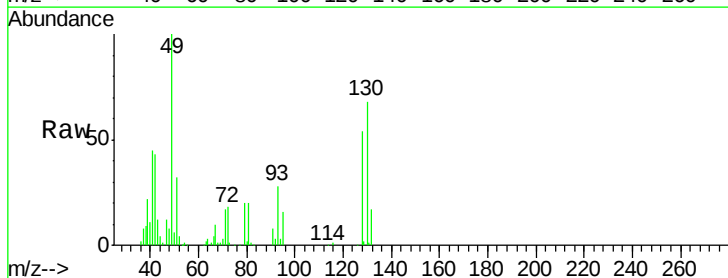
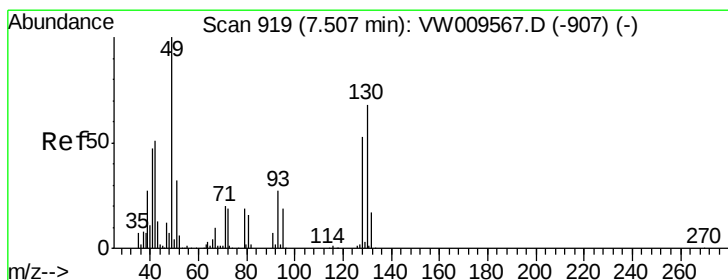
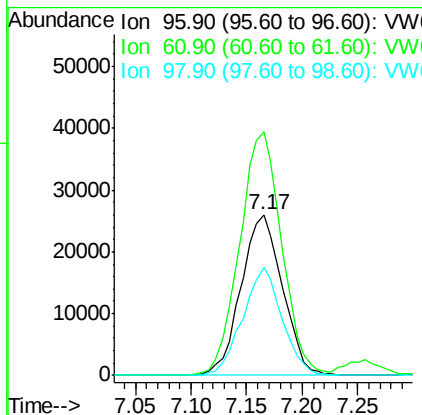
cis-1,2-Dichloroethene
Concen: 20.324 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	0.0	289.8
98	64.0	0.0	130.8

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Manual Integrations
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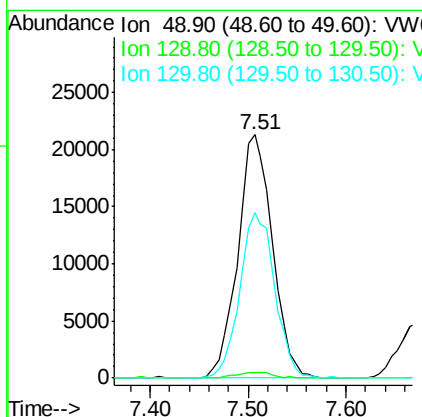
MMDadoda
4/1/2019 4:04:45 AM

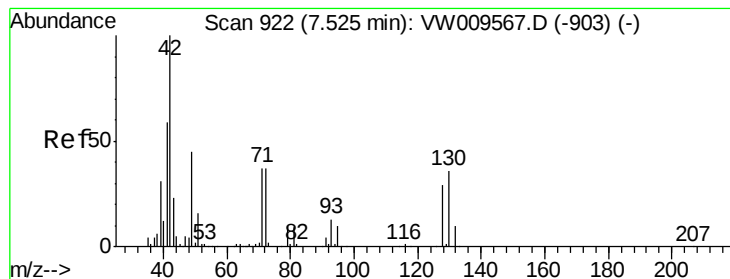


#28

Bromochloromethane
Concen: 21.156 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	1.4#
130	68.6	58.6	88.0





#29

Tetrahydrofuran

Concen: 95.702 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

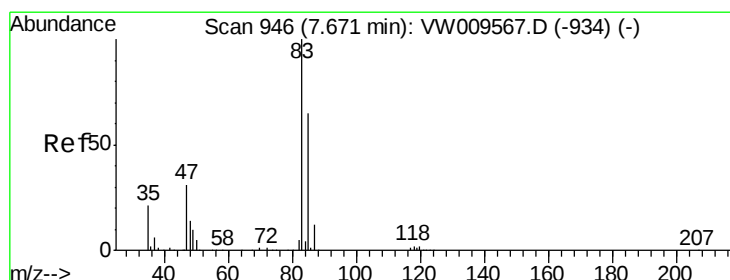
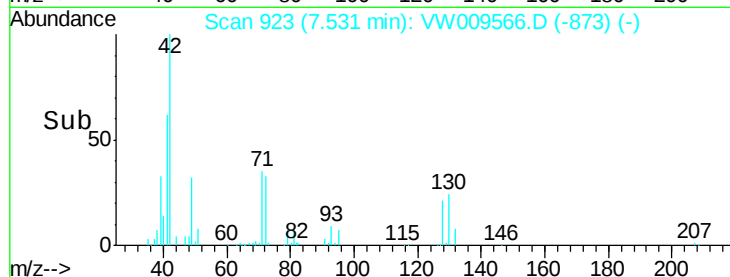
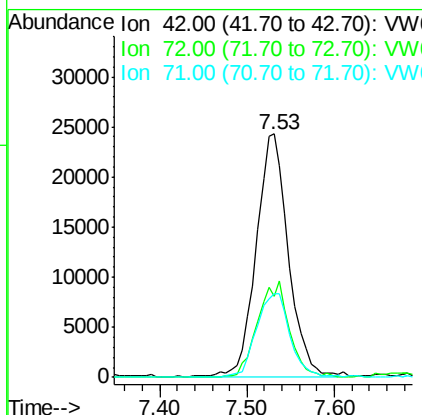
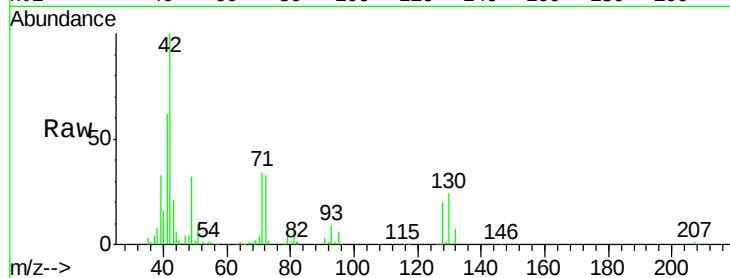
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	62725
Ion	Ratio	Lower	Upper
42	100		
72	38.6	32.4	48.6
71	36.0	30.1	45.1

Manual Integrations
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#30

Chloroform

Concen: 20.955 ug/l

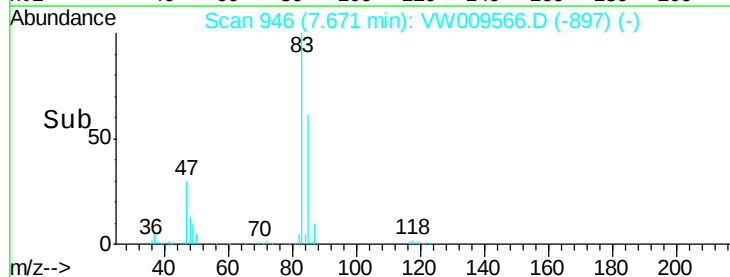
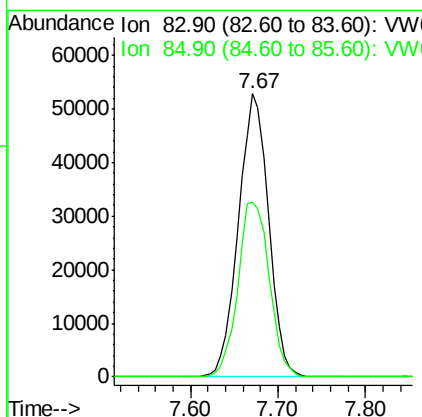
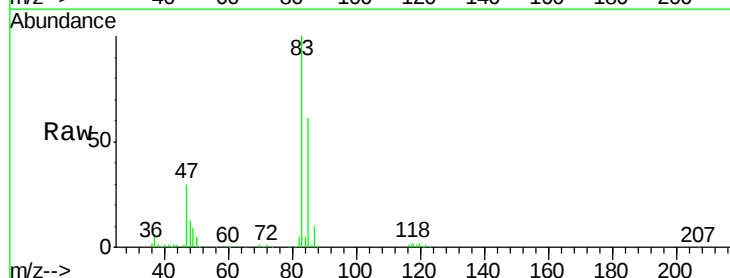
RT: 7.67 min Scan# 946

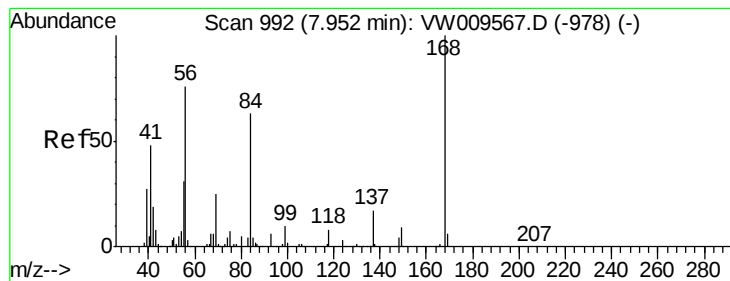
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	83	Resp:	126487
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.0	76.6





#31

Cyclohexane

Concen: 21.453 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

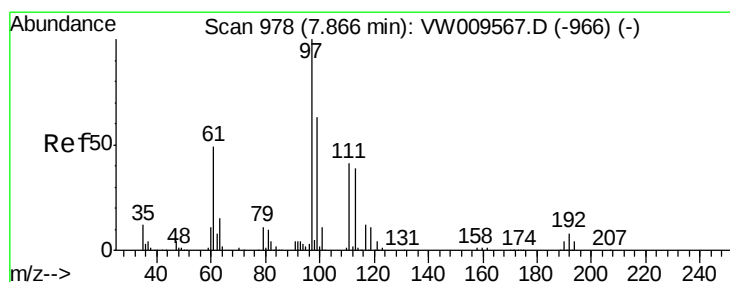
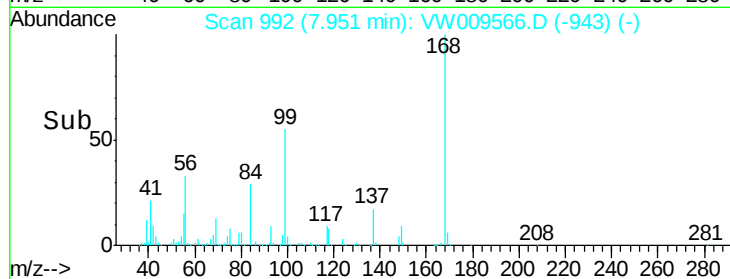
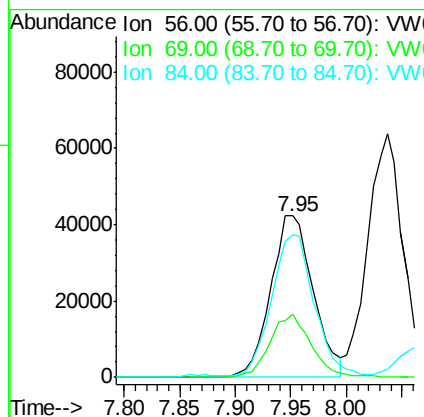
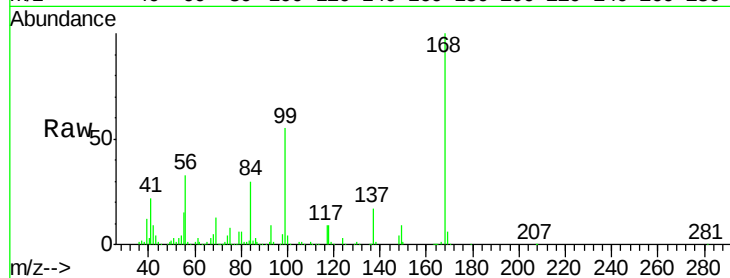
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	112404
Ion	Ratio	Lower	Upper
56	100		
69	38.9	26.1	39.1
84	86.9	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.115 ug/l

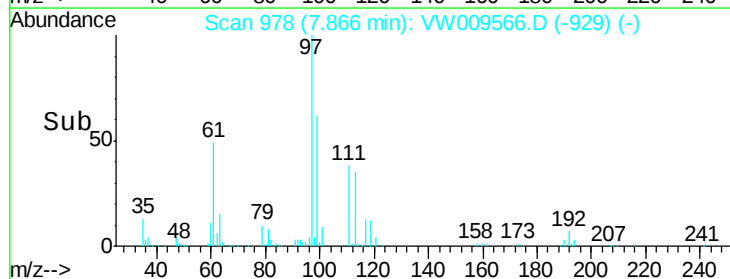
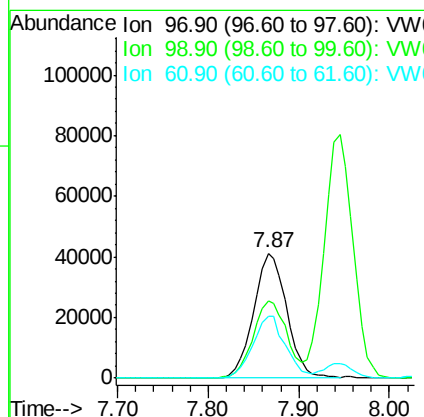
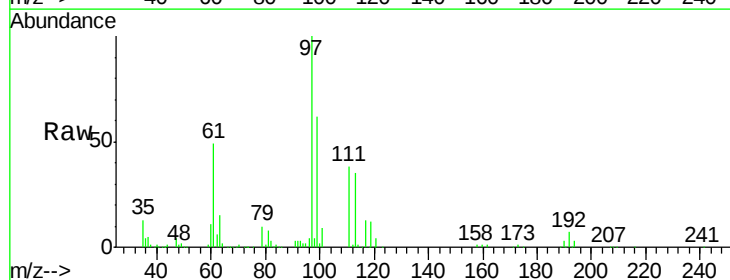
RT: 7.87 min Scan# 978

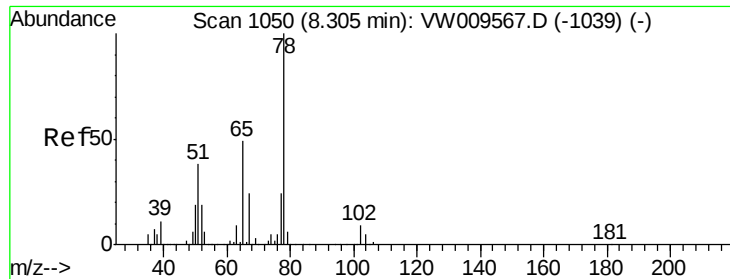
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	97	Resp:	103791
Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.9	77.9
61	49.2	36.8	55.2





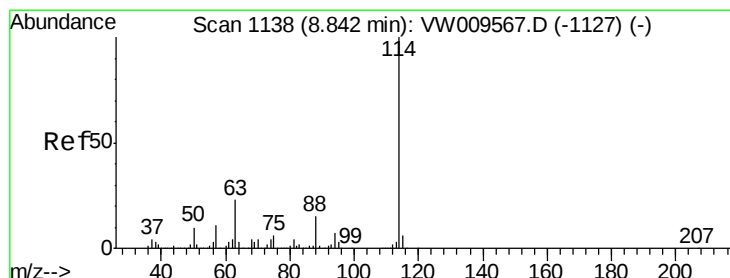
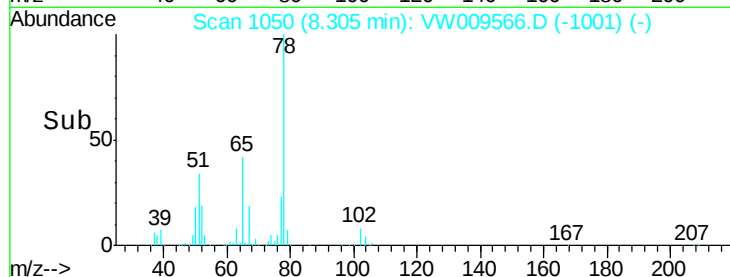
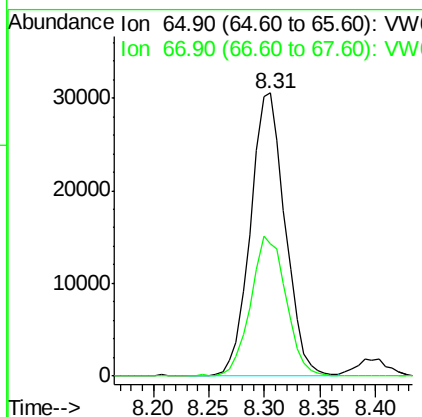
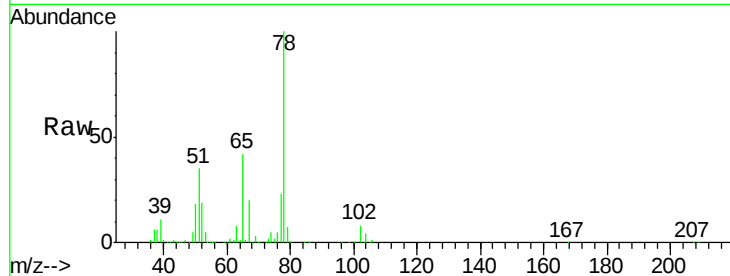
#33
 1,2-Dichloroethane-d4
 Concen: 19.218 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	66420		
67	50.5	0.0	102.4	

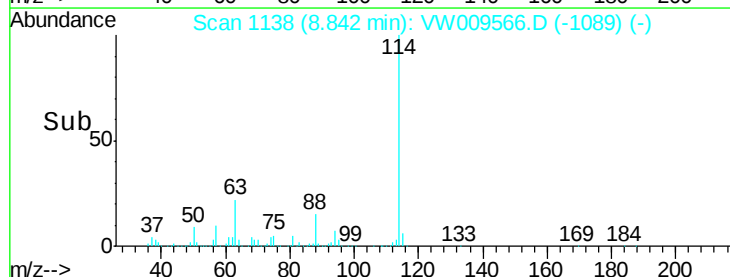
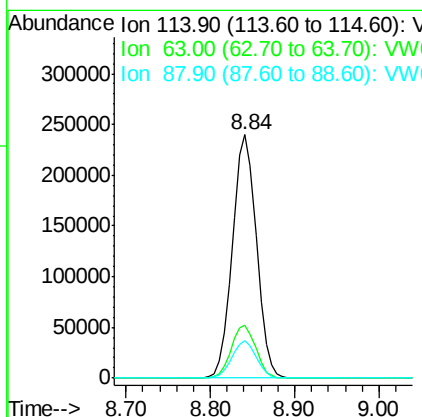
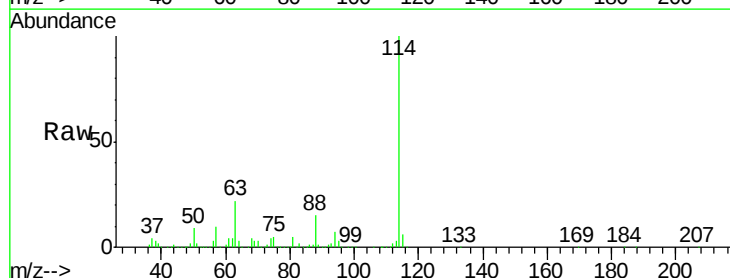
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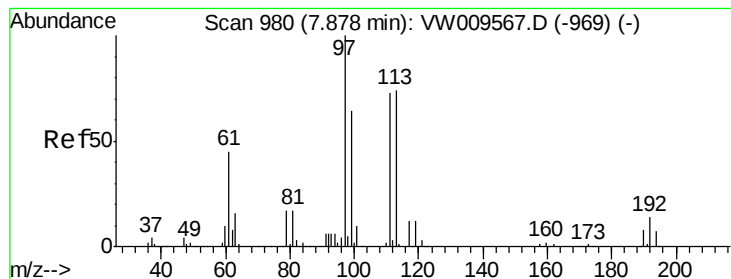
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	459201		
63	21.9	0.0	42.2	
88	15.5	0.0	30.8	





#35

Dibromofluoromethane

Concen: 19.670 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

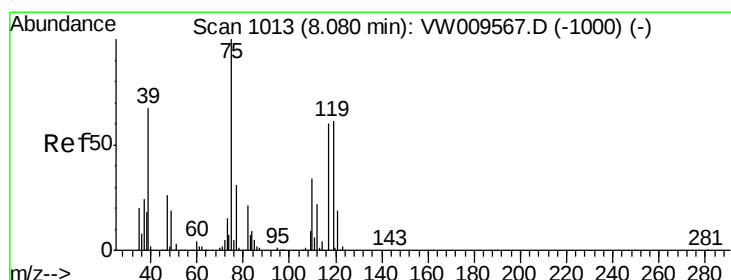
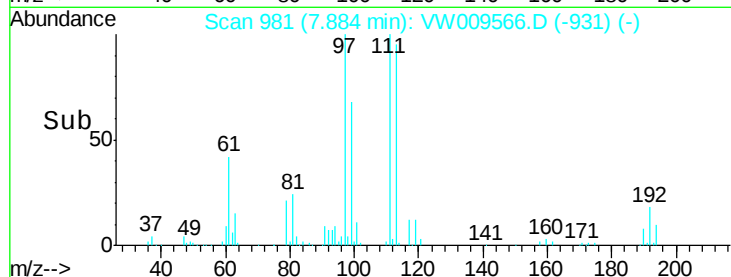
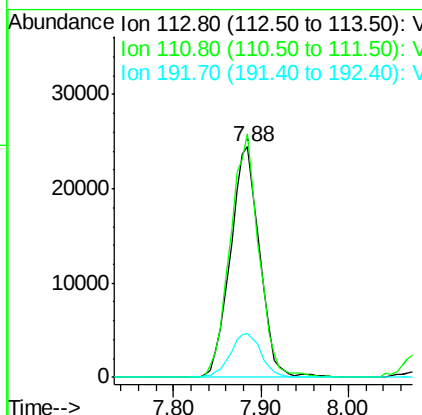
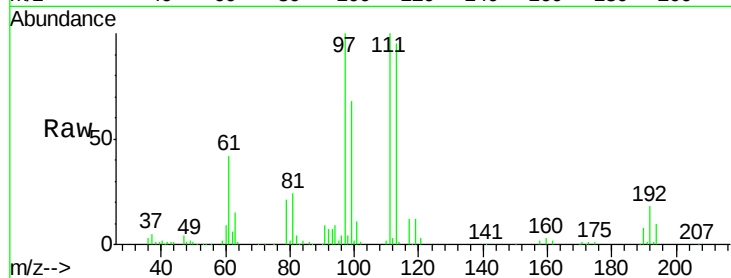
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	124.0
192	20.0	16.4	24.6

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#36

1,1-Dichloropropene

Concen: 20.560 ug/l

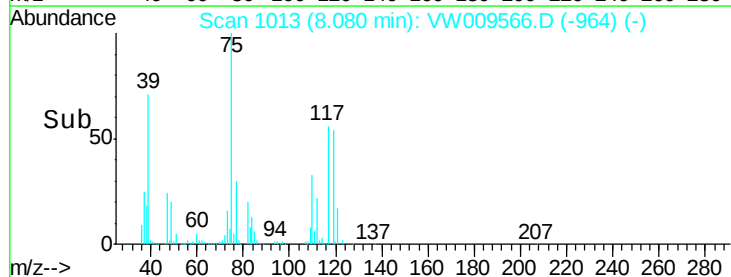
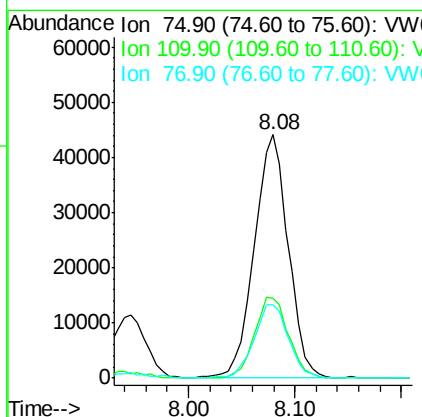
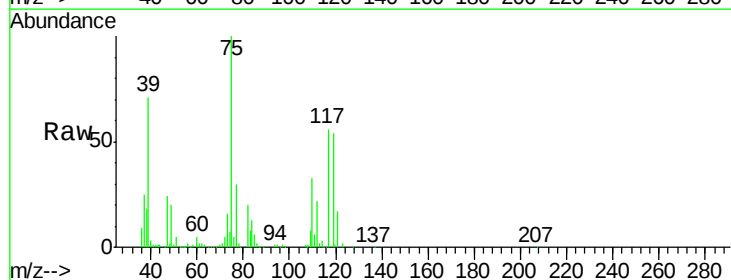
RT: 8.08 min Scan# 1013

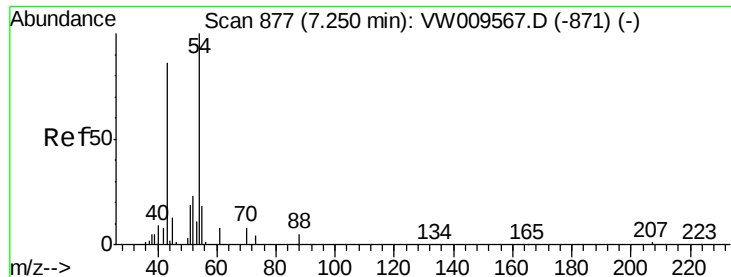
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.8	50.4
77	31.0	24.6	36.8





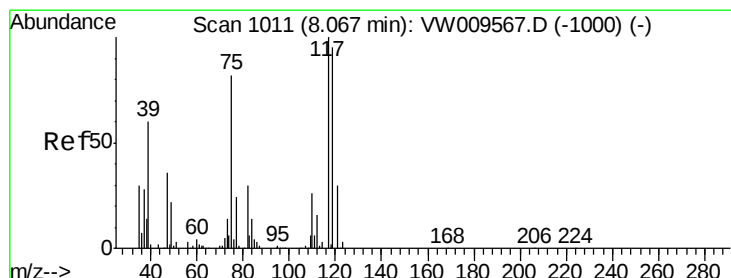
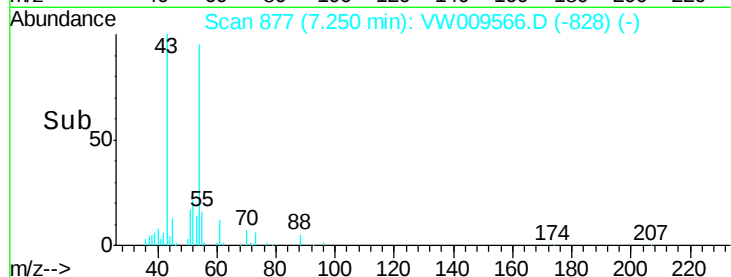
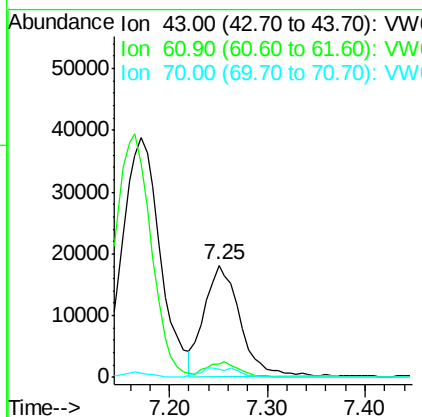
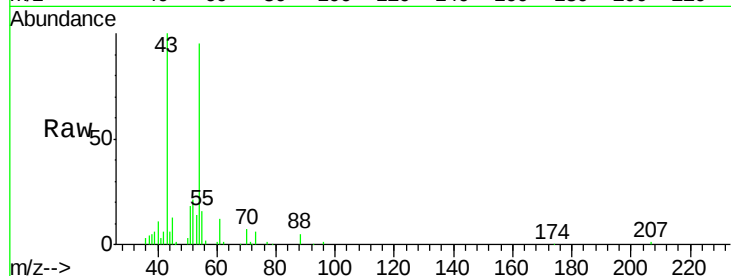
#37
Ethyl Acetate
Concen: 20.452 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.0	15.0
70	9.2	7.3	10.9

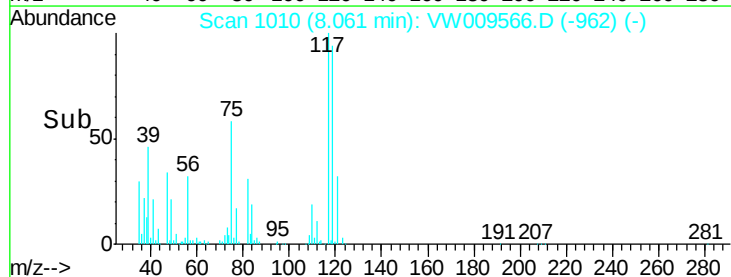
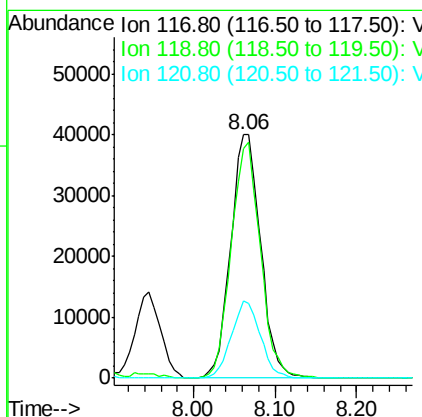
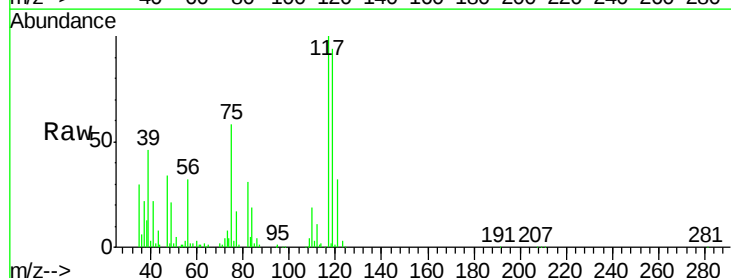
Manual Integrations
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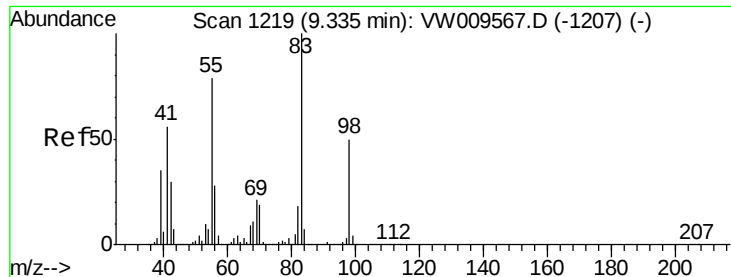
MMDadoda
4/1/2019 4:04:45 AM



#38
Carbon Tetrachloride
Concen: 20.899 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.0
121	31.7	24.9	37.3





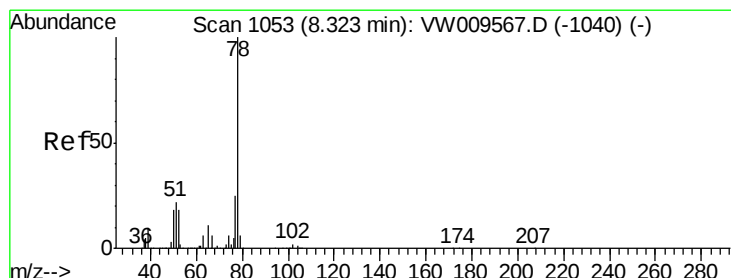
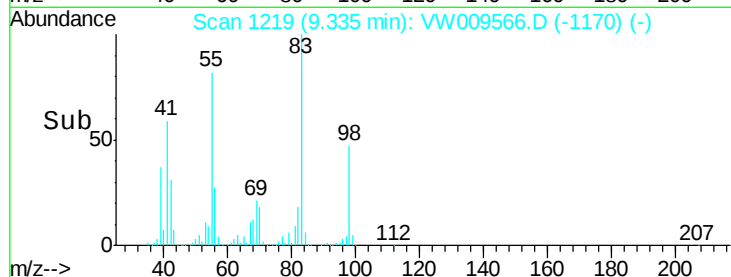
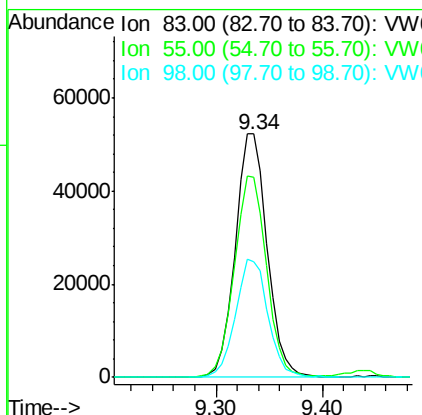
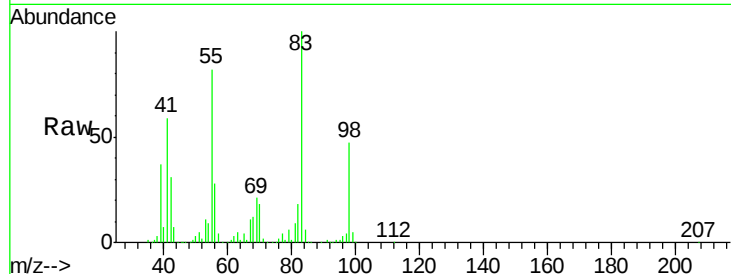
#39
Methvlcvclohexane
Concen: 20.008 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.4	61.1	91.7	
98	47.3	39.0	58.4	

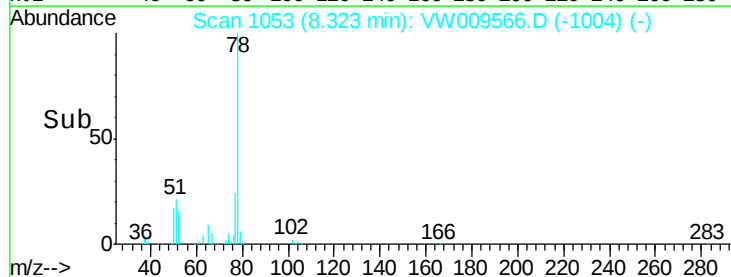
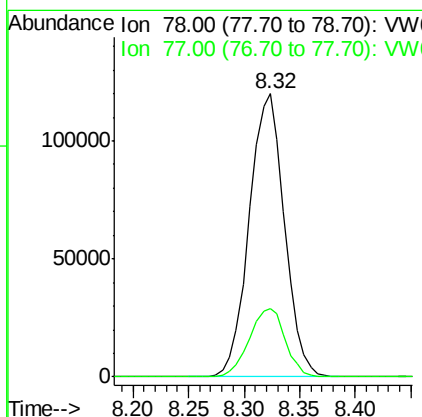
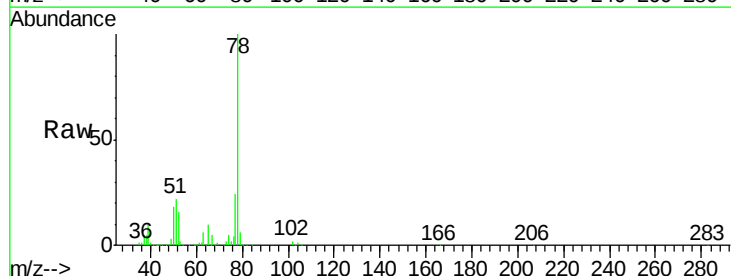
Manual Integrations
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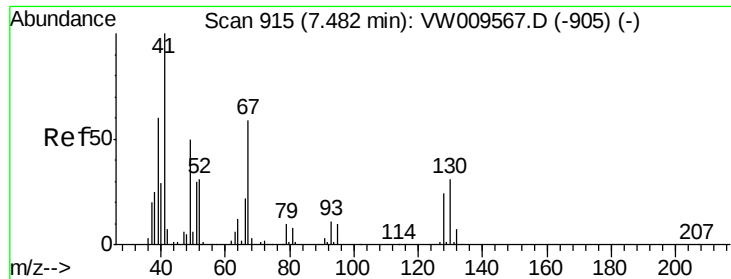
MMDadoda
4/1/2019 4:04:45 AM



#40
Benzene
Concen: 20.430 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	19.8	29.6	





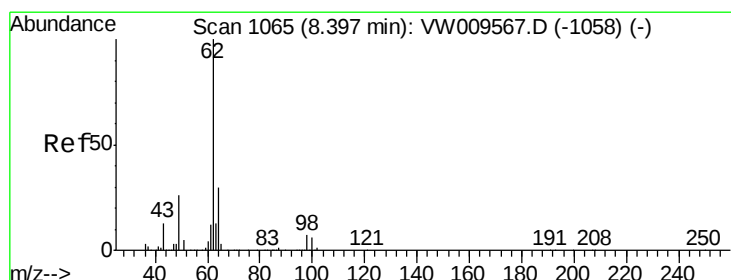
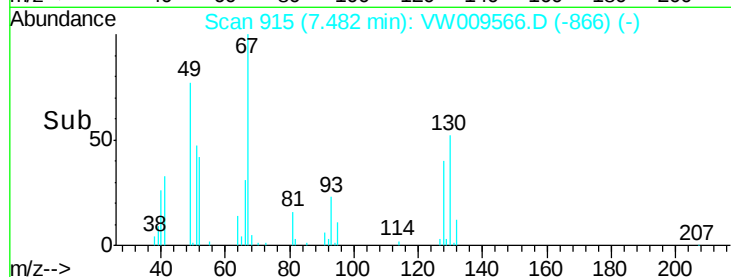
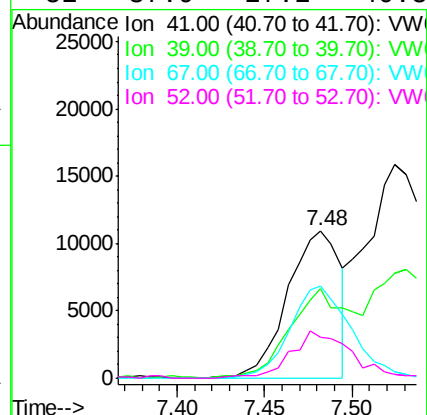
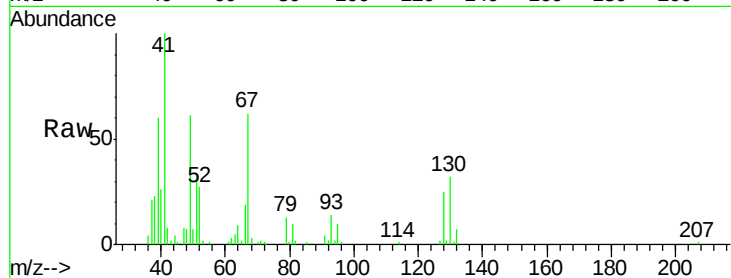
#41
Methacrylonitrile
Concen: 17.185 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.0	52.5	78.7
67	72.1	56.6	84.8
52	37.9	27.2	40.8

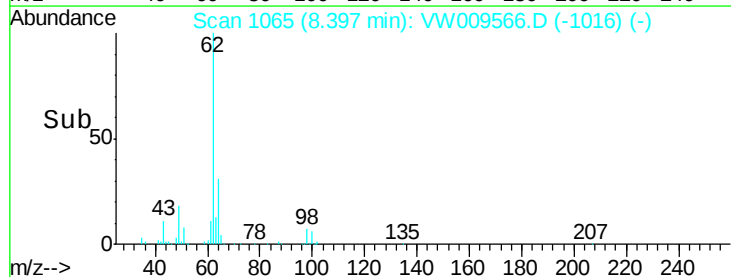
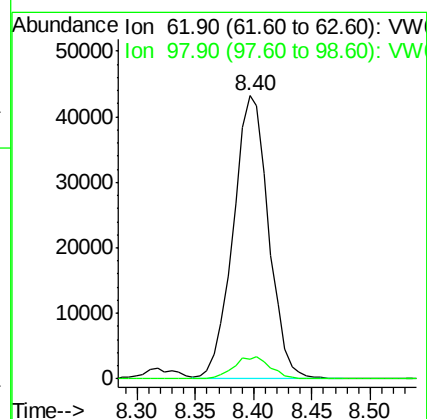
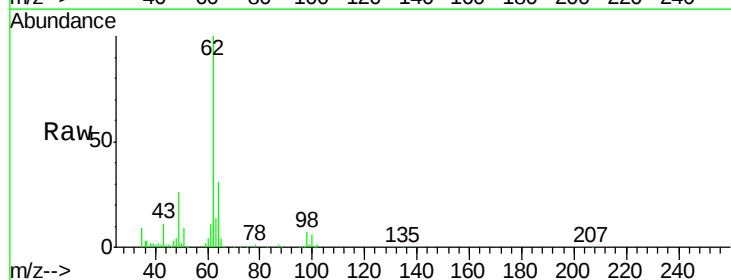
Manual Integrations
APPROVED

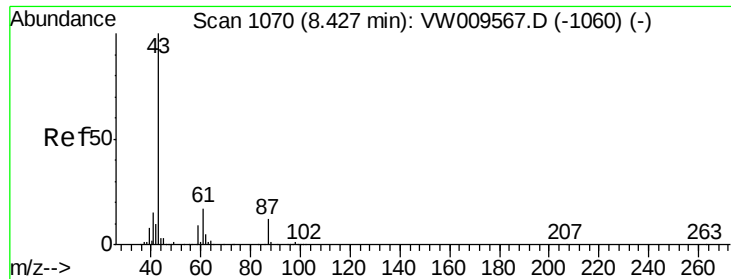
MMDadoda
4/1/2019 4:04:45 AM



#42
1,2-Dichloroethane
Concen: 21.124 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.728 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

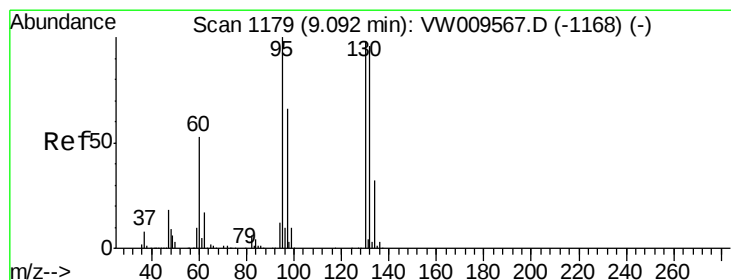
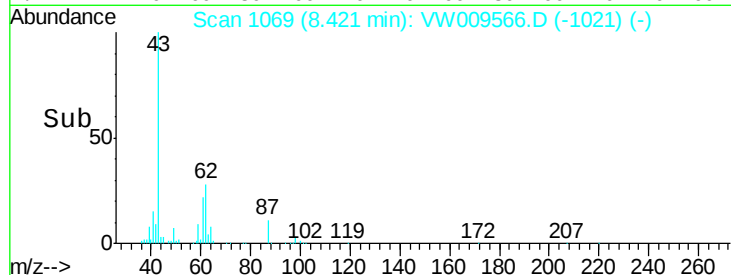
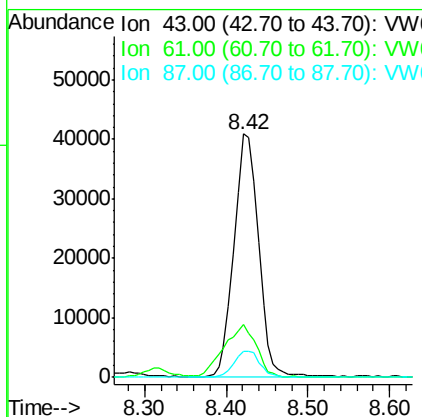
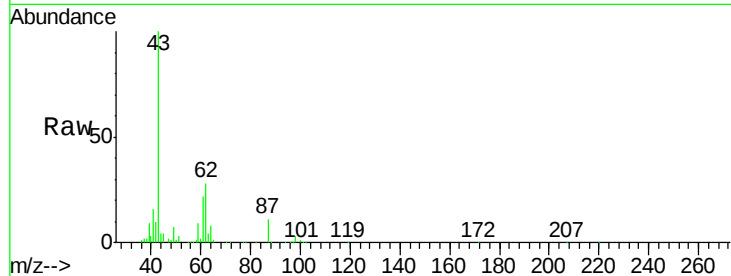
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	85819
Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.2	33.2
87	11.1	9.6	14.4

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#44

Trichloroethene

Concen: 20.707 ug/l

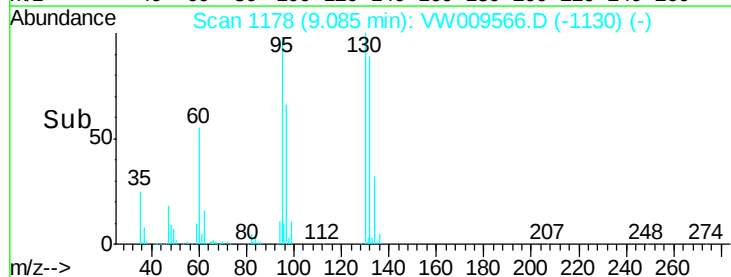
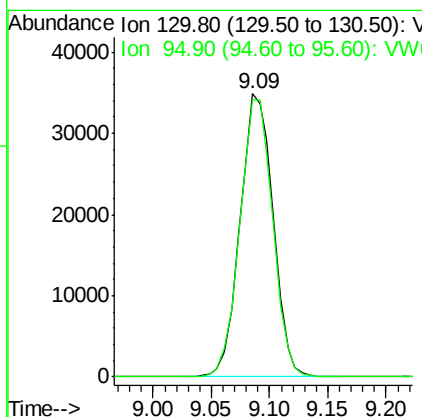
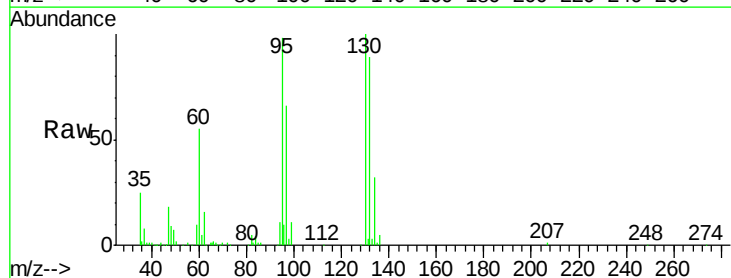
RT: 9.09 min Scan# 1178

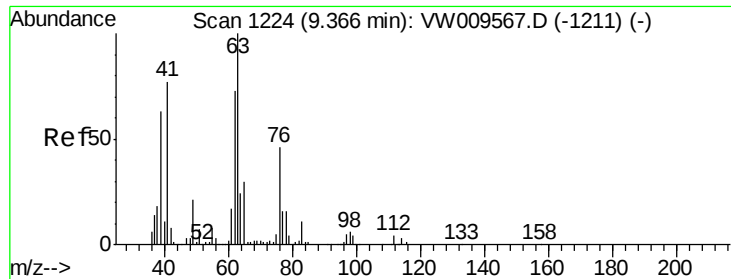
Delta R.T. -0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	130	Resp:	69087
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	192.6





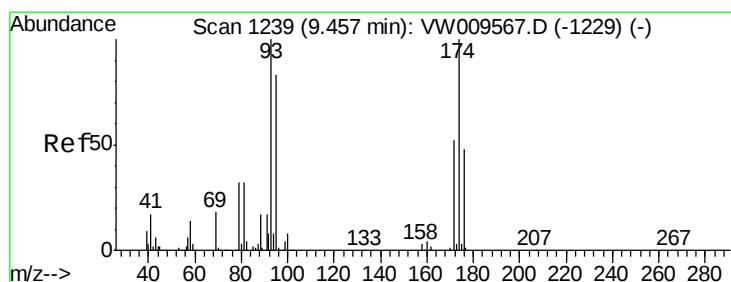
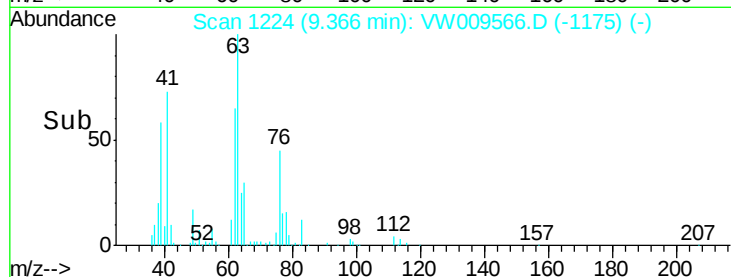
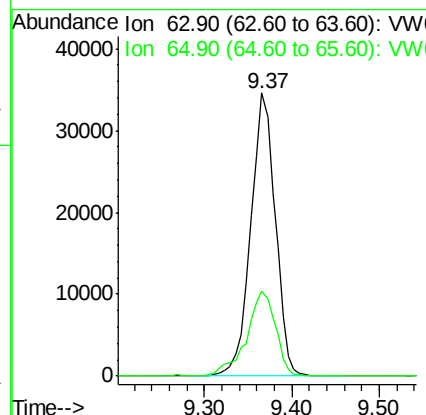
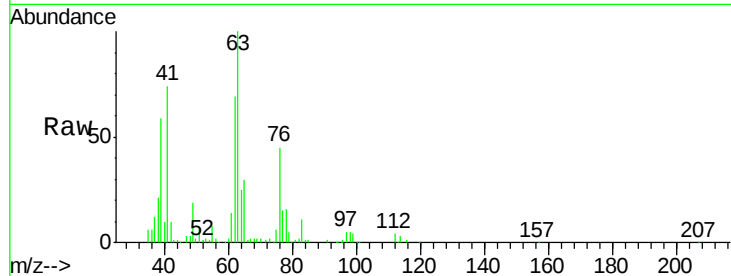
#45
 1,2-Dichloropropane
 Concen: 20.473 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 67483
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.8 38.8

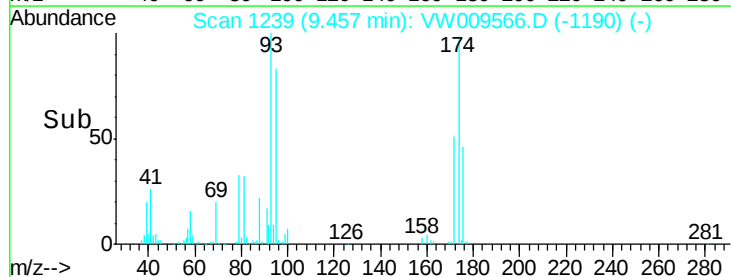
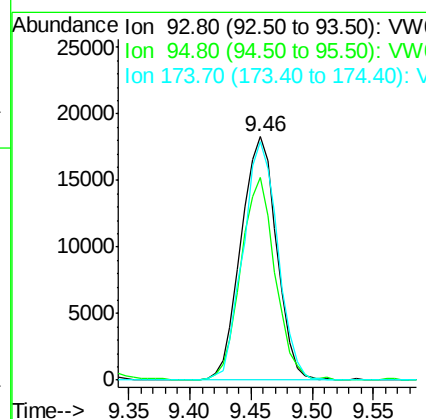
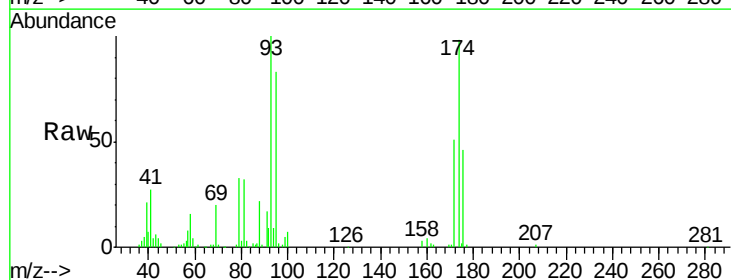
Manual Integrations
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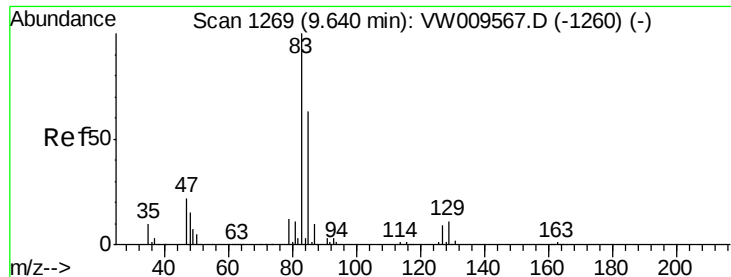
MMDadoda
 4/1/2019 4:04:45 AM



#46
 Dibromomethane
 Concen: 20.975 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 93 Resp: 36964
 Ion Ratio Lower Upper
 93 100
 95 80.2 66.9 100.3
 174 95.7 80.8 121.2





#47

Bromodichloromethane

Concen: 20.479 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

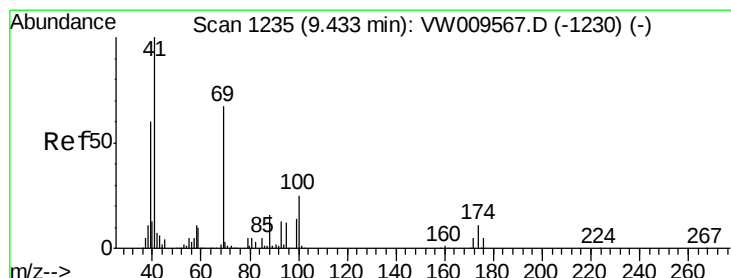
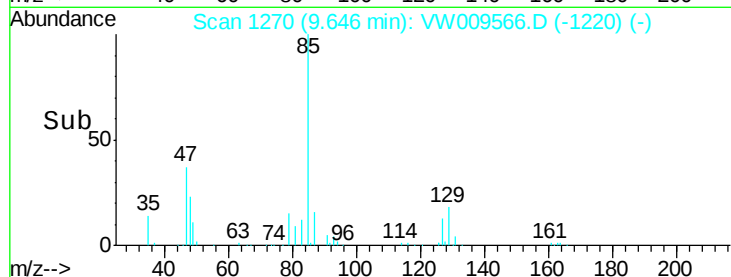
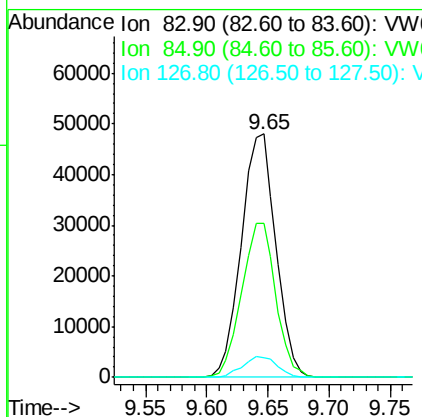
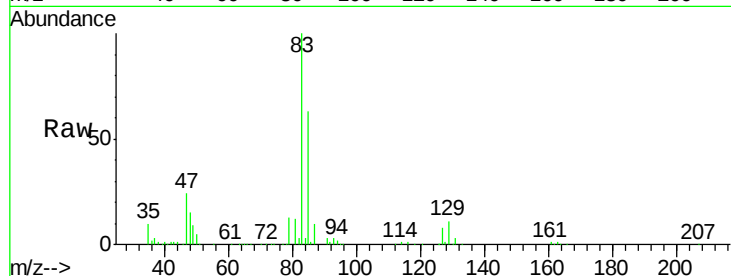
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	94025
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.6	79.0
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.747 ug/l

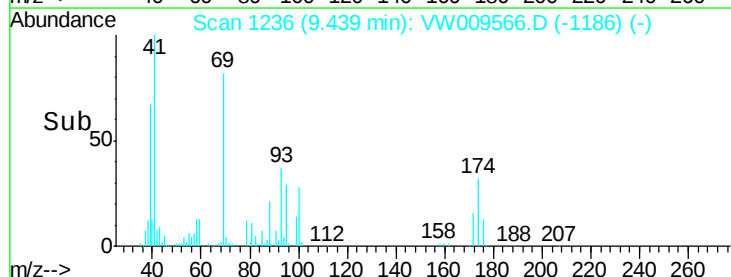
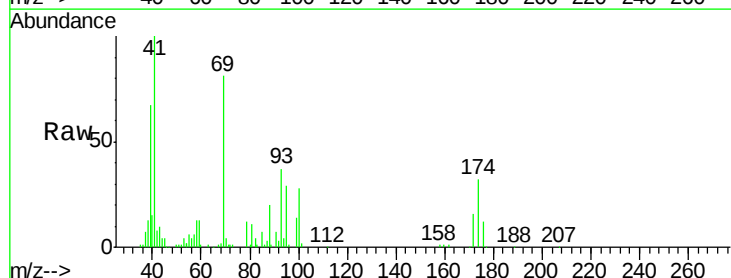
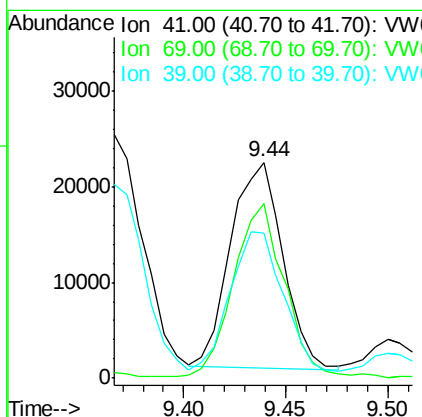
RT: 9.44 min Scan# 1236

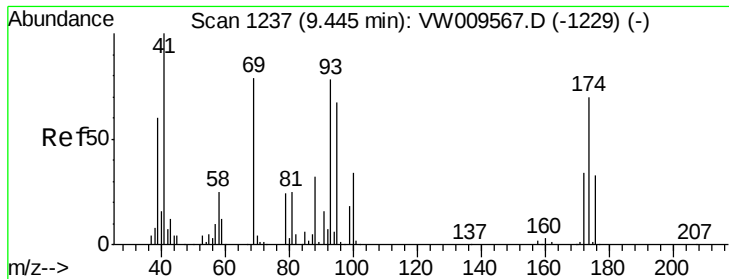
Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	41	Resp:	38277
Ion	Ratio	Lower	Upper
41	100		
69	82.7	63.0	94.6
39	69.2	57.2	85.8





#49

1,4-Dioxane

Concen: 398.602 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

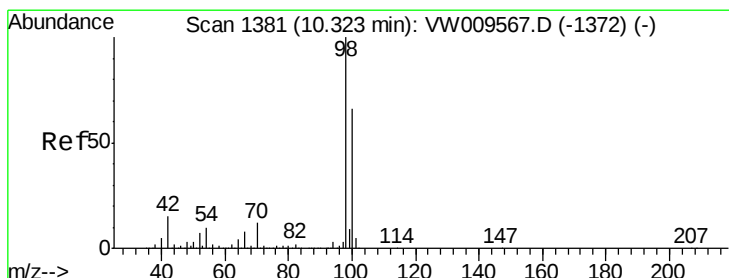
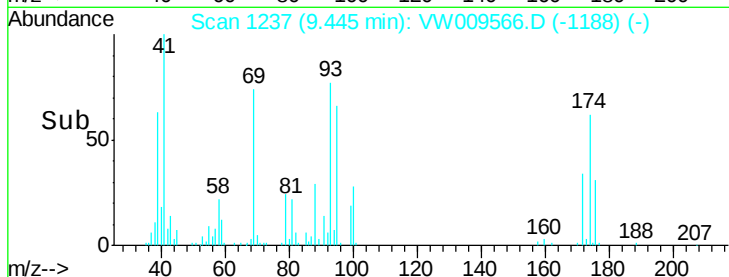
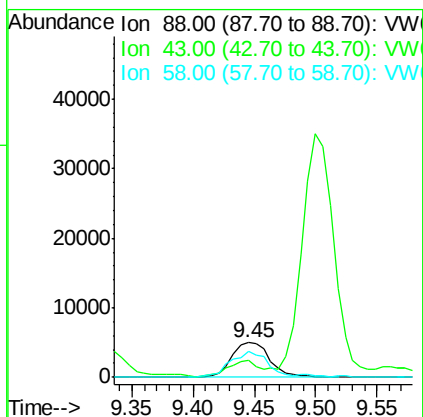
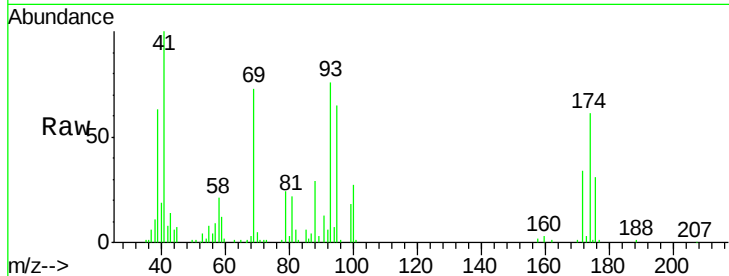
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	10861
Ion	Ratio	Lower	Upper
88	100		
43	36.0	29.7	44.5
58	72.4	58.1	87.1

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#50

Toluene-d8

Concen: 18.664 ug/l

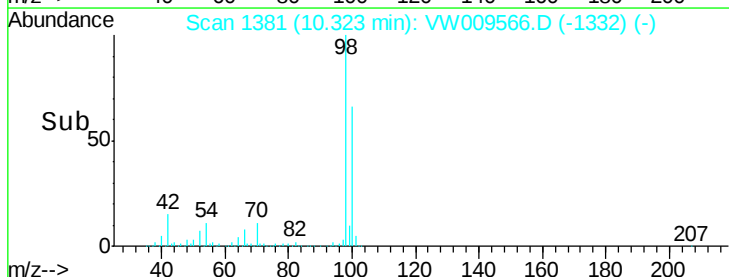
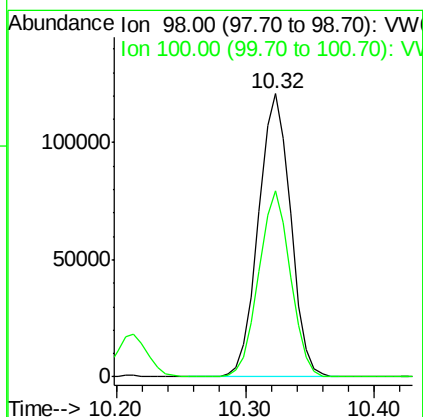
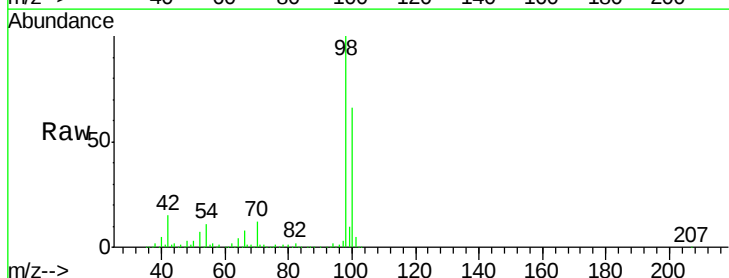
RT: 10.32 min Scan# 1381

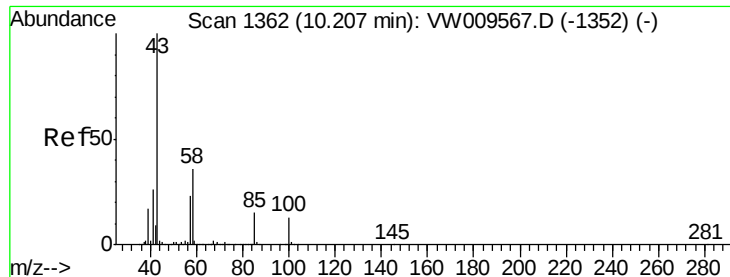
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	98	Resp:	208789
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 96.485 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 230073

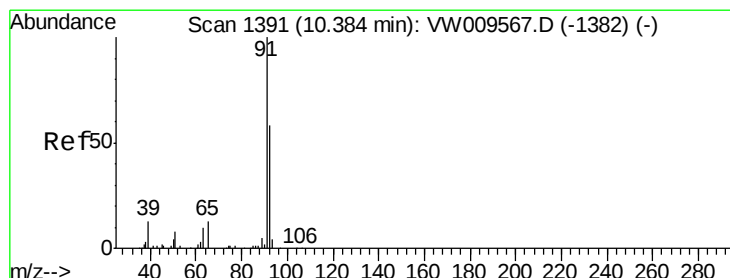
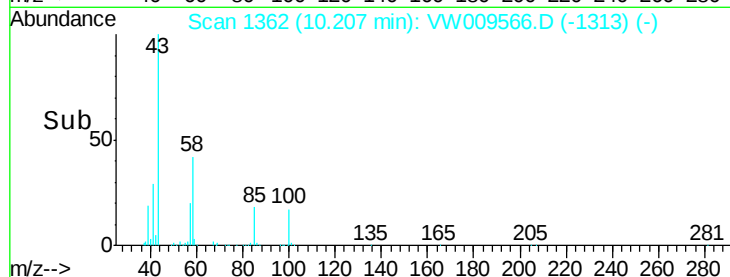
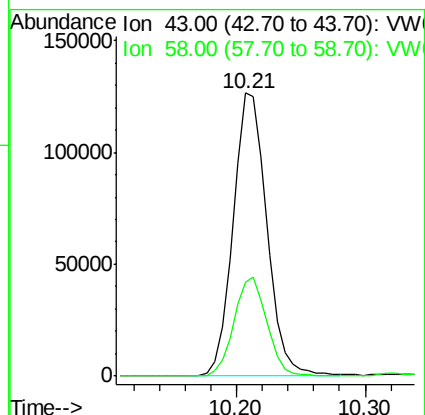
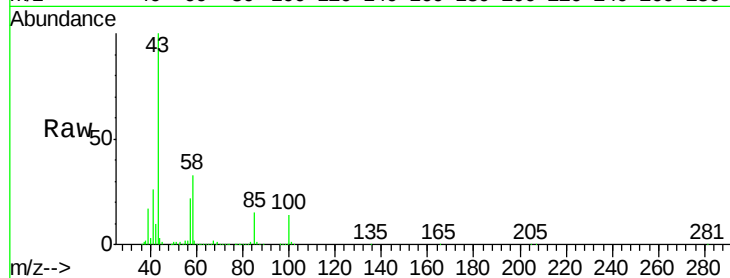
Ion Ratio Lower Upper

43 100

58 34.3 28.6 42.8

Manual Integrations
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#52

Toluene

Concen: 20.003 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009566.D

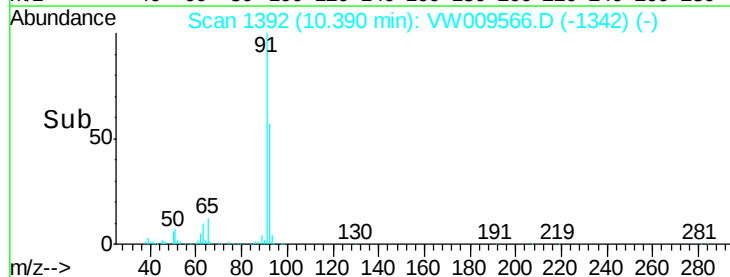
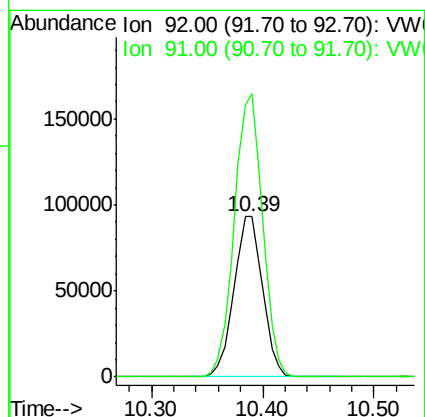
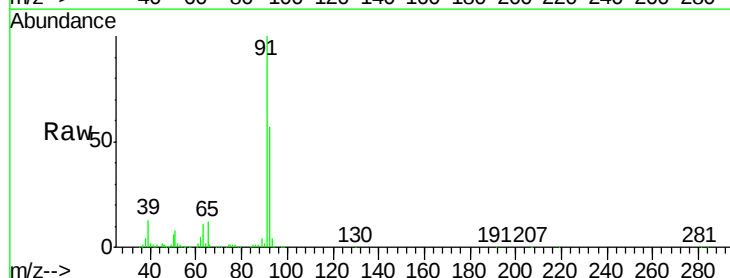
Acq: 29 Mar 2019 10:48

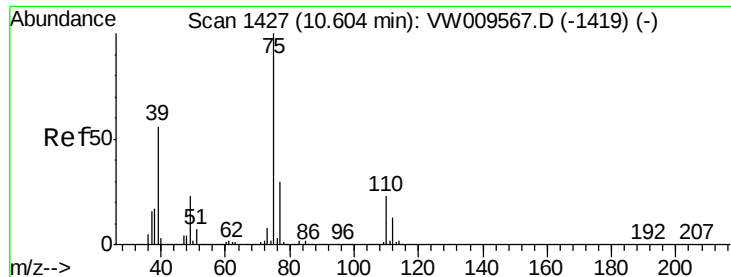
Tgt Ion: 92 Resp: 165840

Ion Ratio Lower Upper

92 100

91 175.0 140.1 210.1





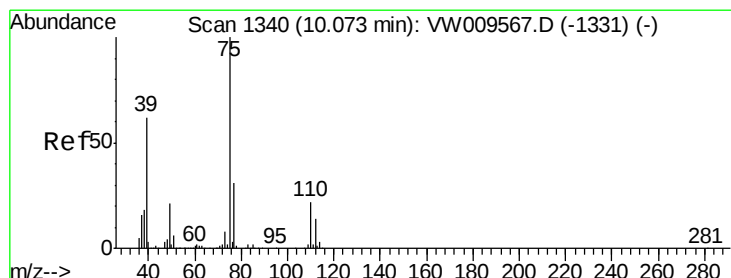
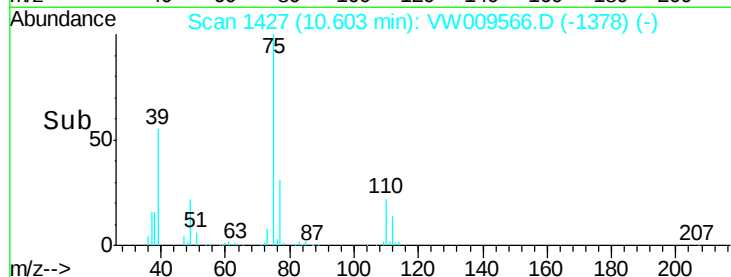
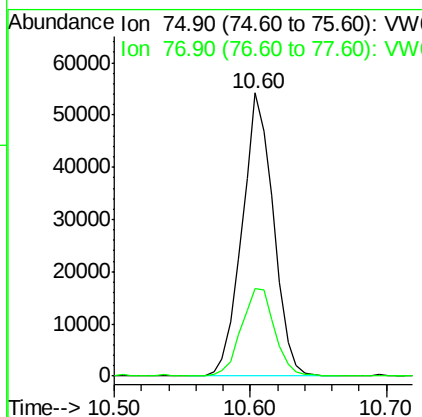
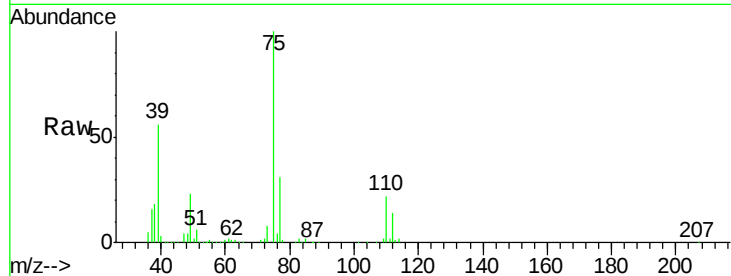
#53
 t-1,3-Dichloropropene
 Concen: 19.110 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 87351
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.8 37.2

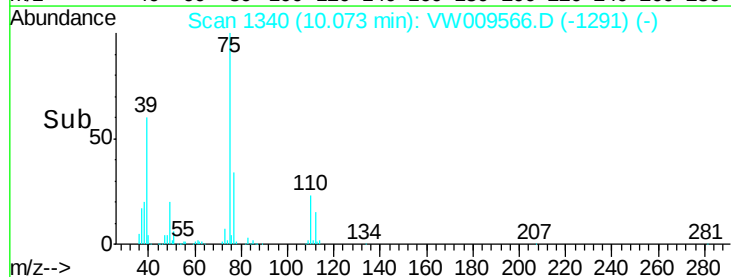
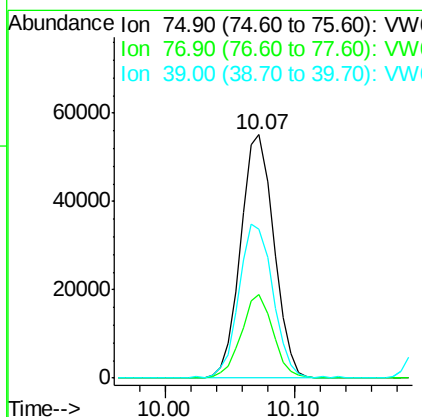
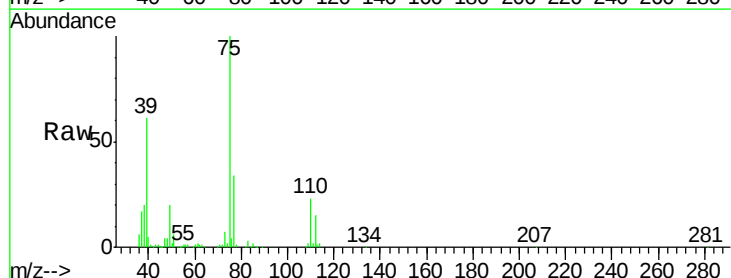
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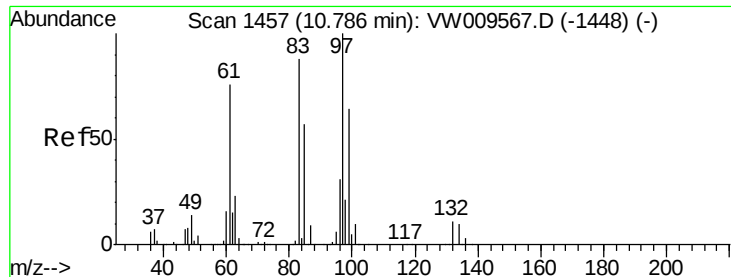
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#54
 cis-1,3-Dichloropropene
 Concen: 19.442 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 75 Resp: 98773
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.9 38.9
 39 60.6 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 20.073 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

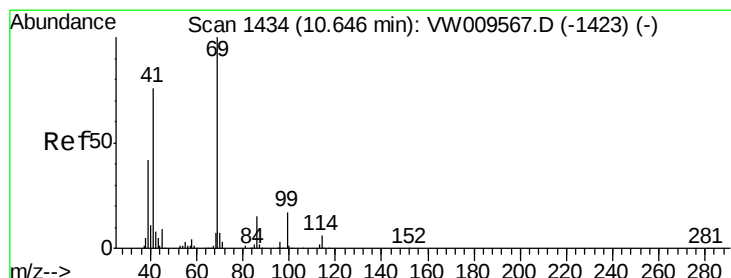
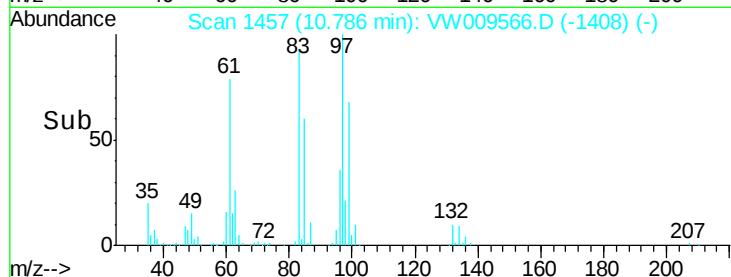
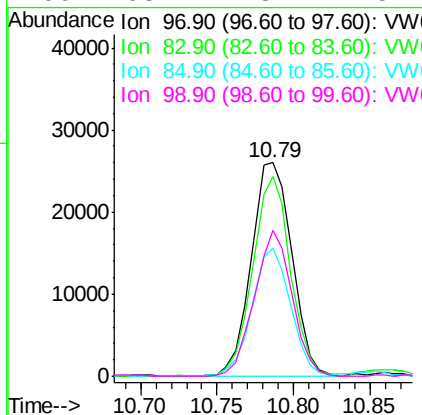
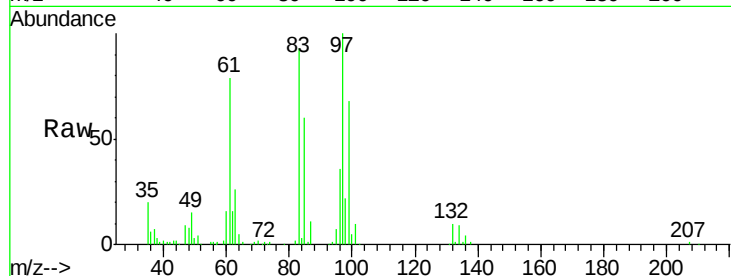
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	48113
Ion	Ratio	Lower	Upper
97	100		
83	93.1	66.3	99.5
85	60.1	41.4	62.2
99	68.4	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.691 ug/l

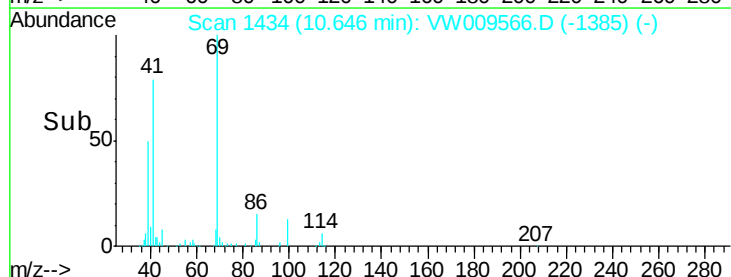
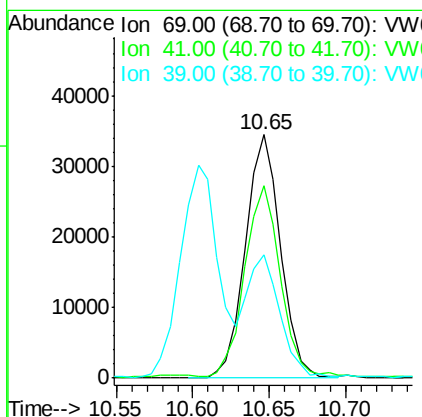
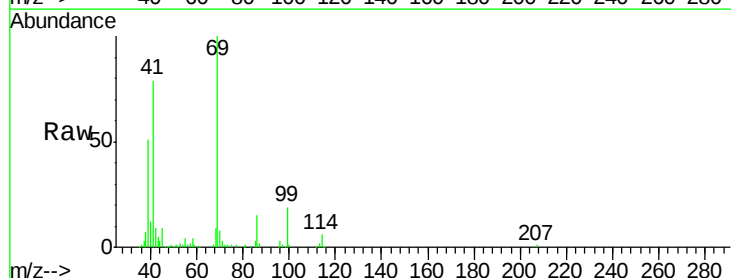
RT: 10.65 min Scan# 1434

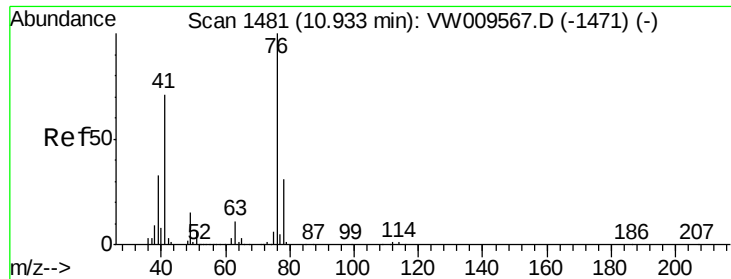
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	69	Resp:	55130
Ion	Ratio	Lower	Upper
69	100		
41	79.2	59.3	88.9
39	47.6	36.2	54.2





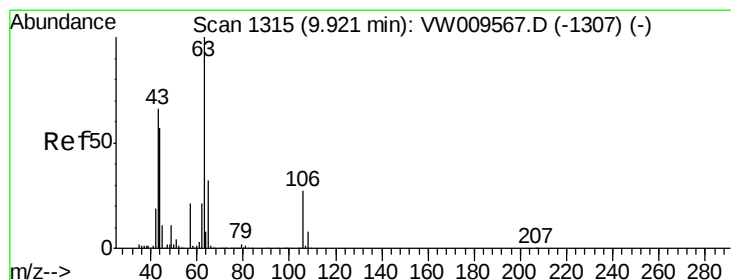
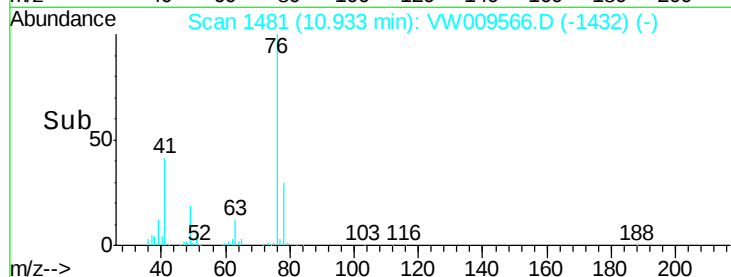
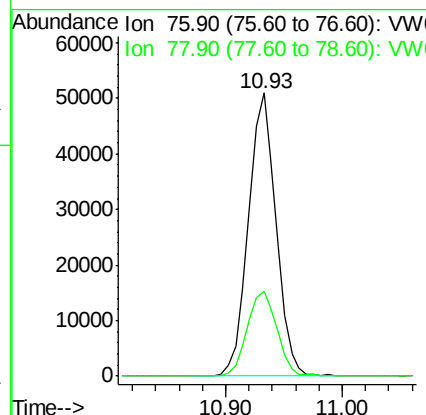
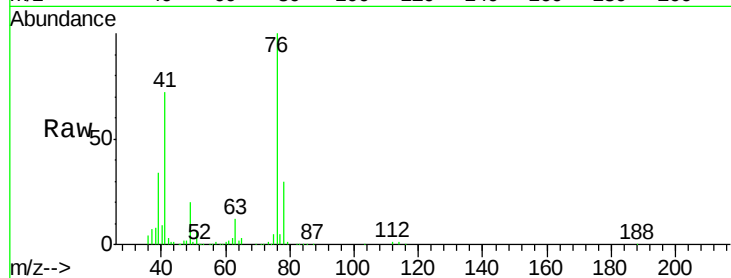
#57
 1,3-Dichloropropane
 Concen: 19.642 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 84648
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

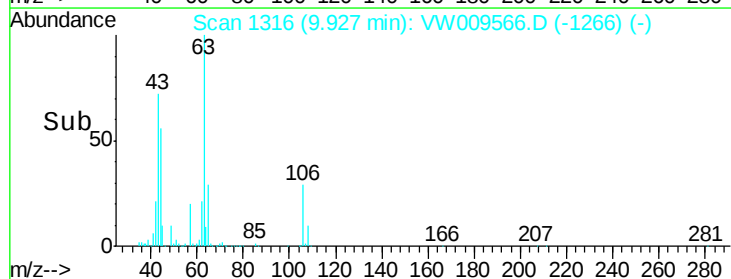
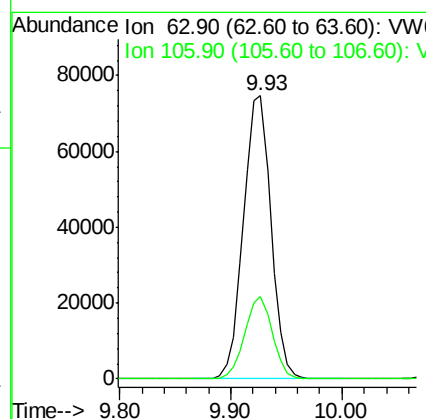
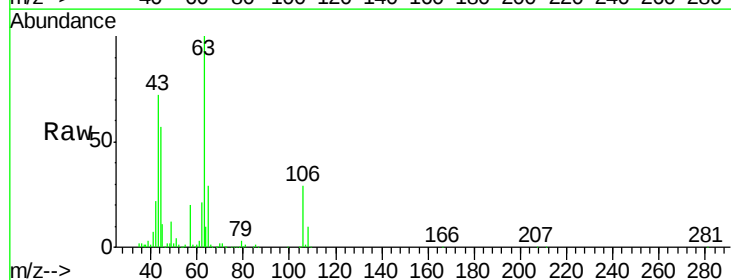
Manual Integrations
 APPROVED

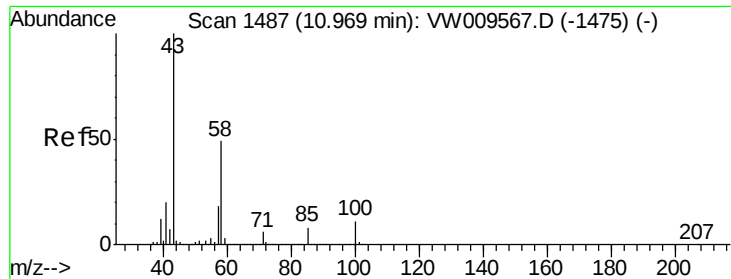
MMDadoda
 4/1/2019 4:04:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.168 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion: 63 Resp: 128499
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.9 34.3





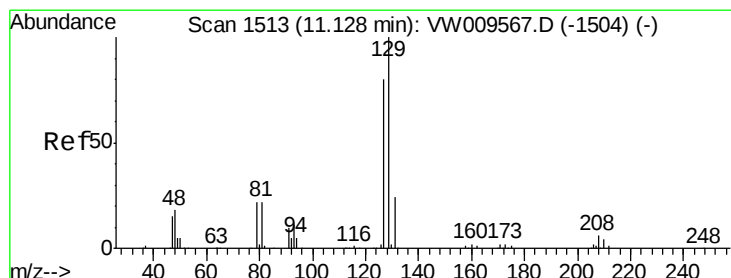
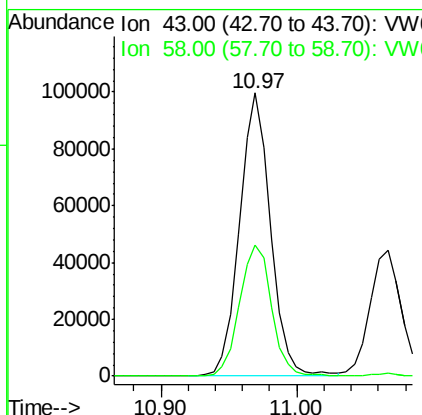
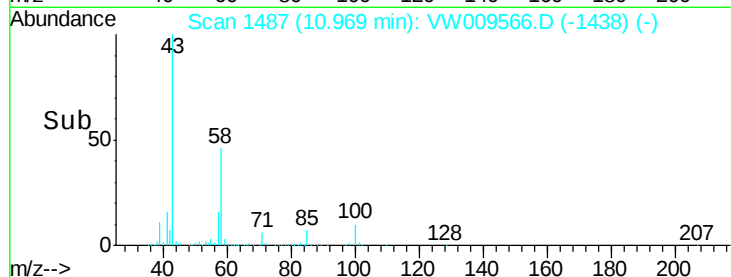
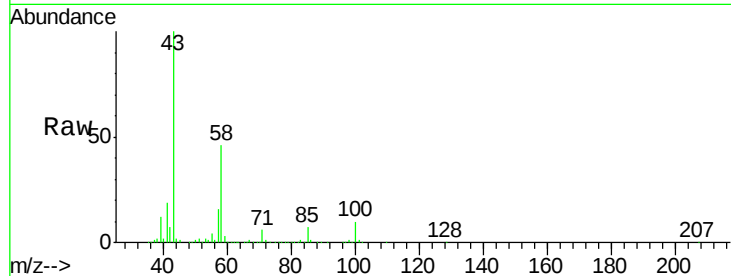
#59
2-Hexanone
Concen: 92.923 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 157646
Ion Ratio Lower Upper
43 100
58 48.2 24.2 72.6

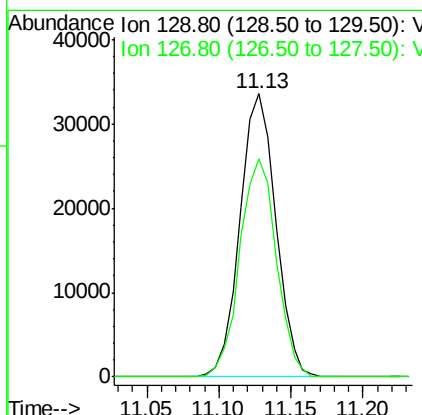
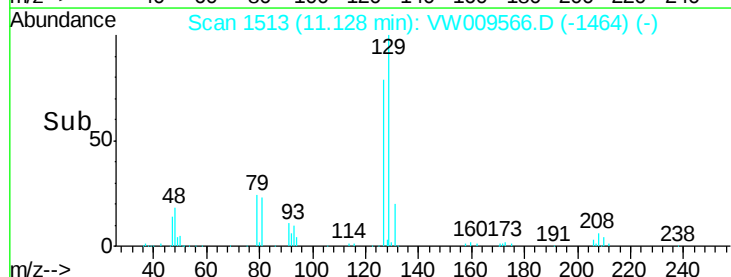
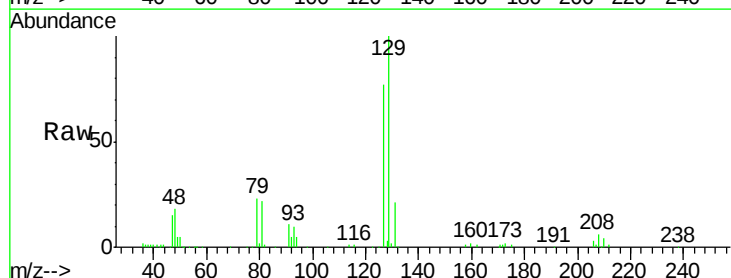
Manual Integrations
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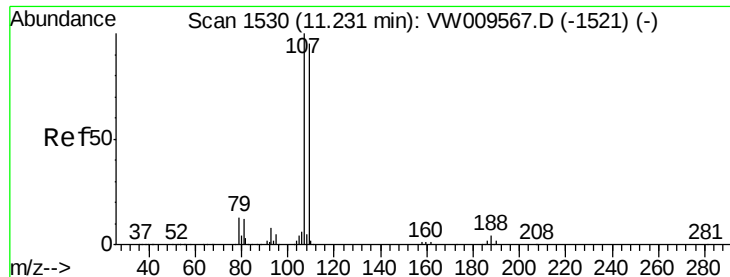
MMDadoda
4/1/2019 4:04:45 AM



#60
Dibromochloromethane
Concen: 19.924 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 129 Resp: 57987
Ion Ratio Lower Upper
129 100
127 78.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.243 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 46828

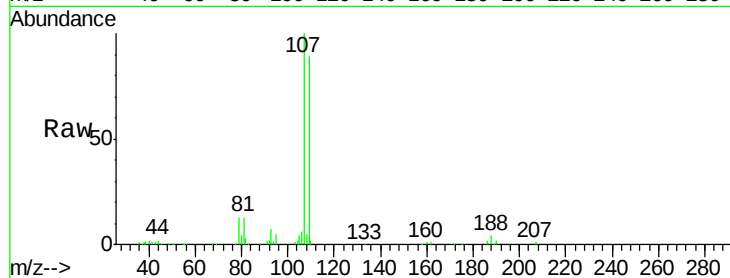
Ion Ratio Lower Upper

107 100

109 93.4 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

25000

20000

15000

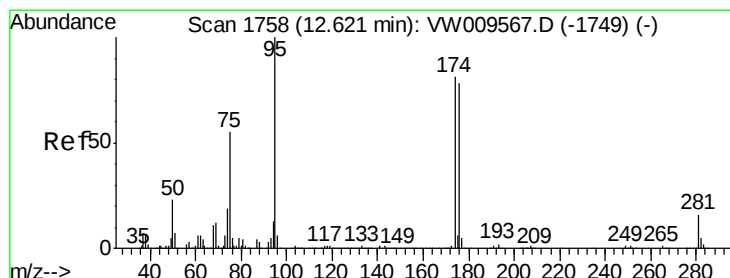
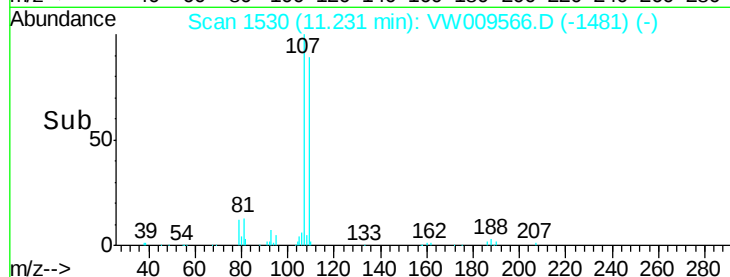
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 18.480 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

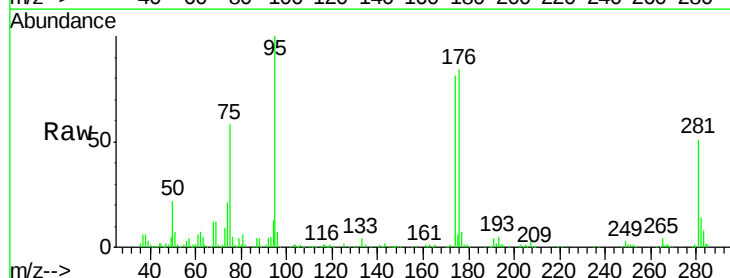
Tgt Ion: 95 Resp: 77120

Ion Ratio Lower Upper

95 100

174 81.7 0.0 168.4

176 79.0 0.0 161.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

30000

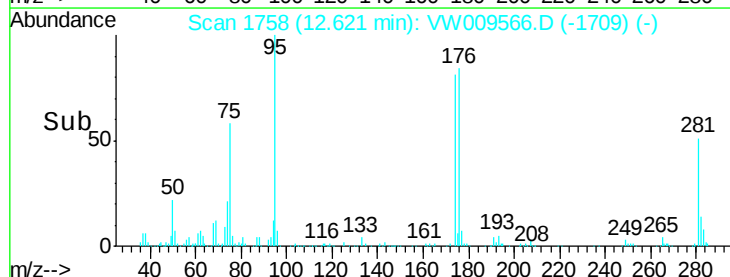
20000

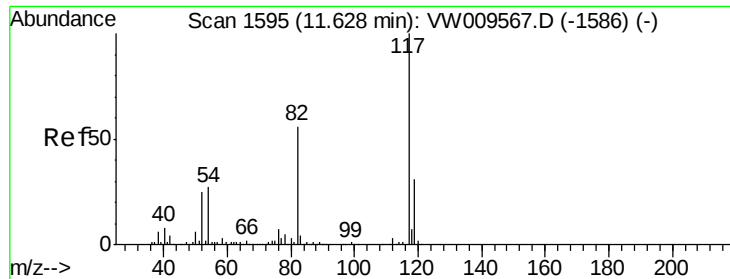
10000

0

Time-->

12.55 12.60 12.65 12.70





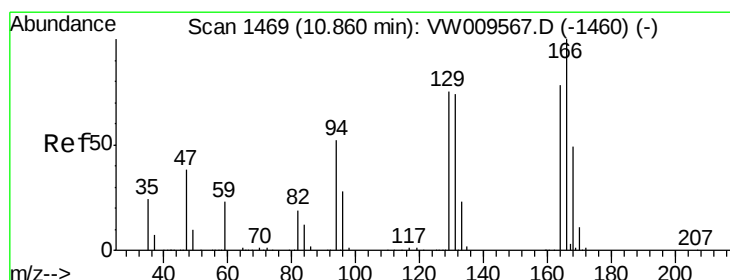
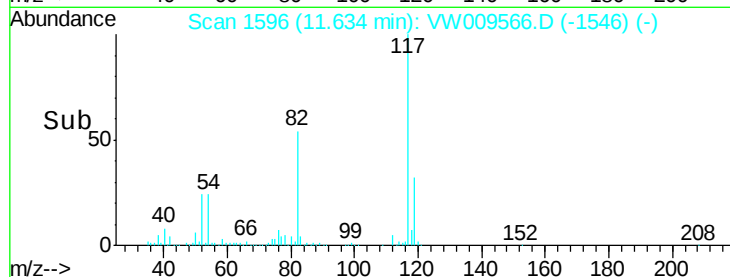
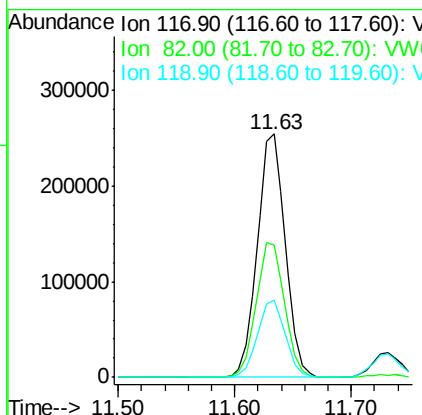
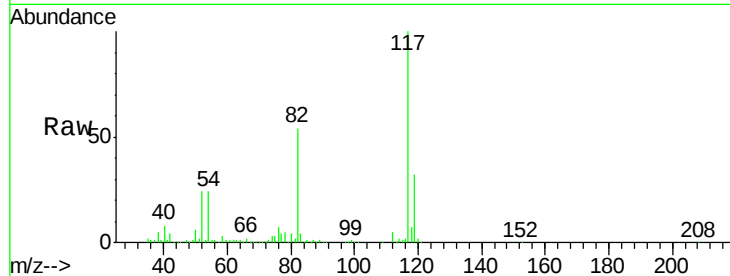
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.6	65.4
119	31.7	26.0	39.0

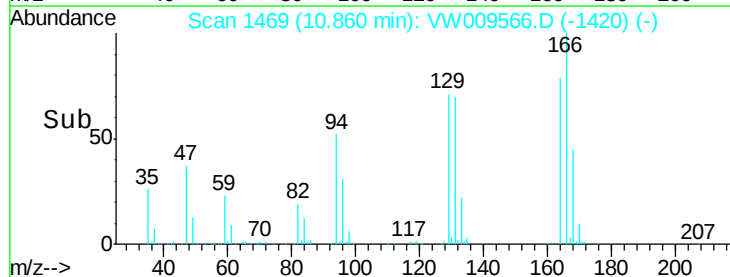
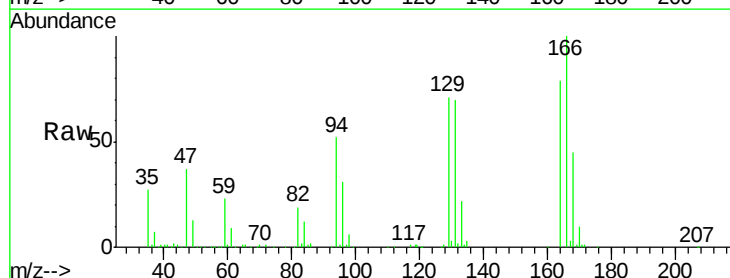
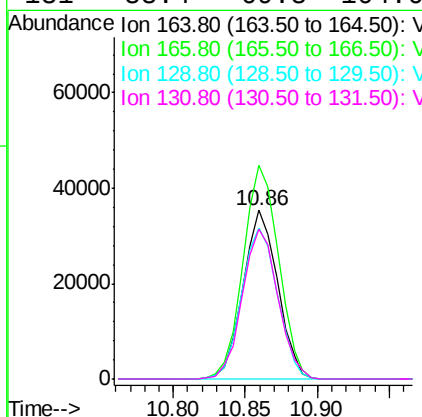
Manual Integrations
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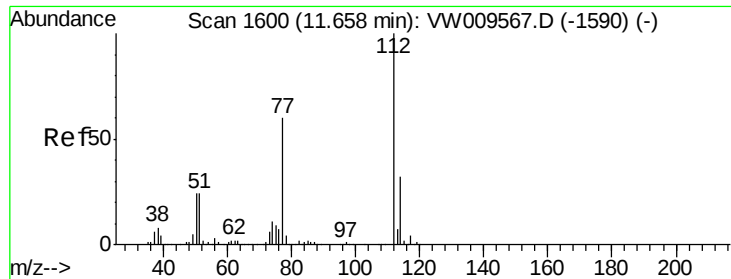
MMDadoda
4/1/2019 4:04:45 AM



#64
Tetrachloroethene
Concen: 20.849 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.9	151.3
129	89.2	72.0	108.0
131	88.4	69.8	104.6





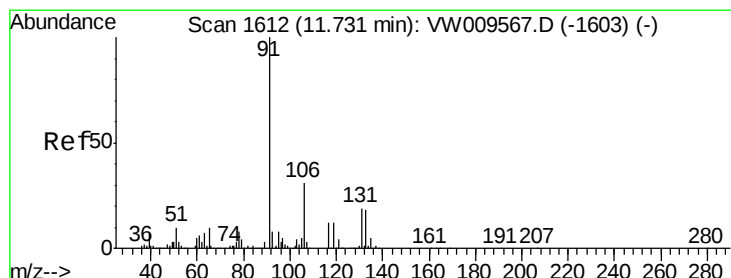
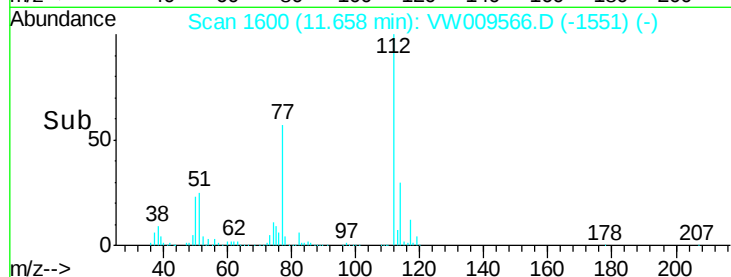
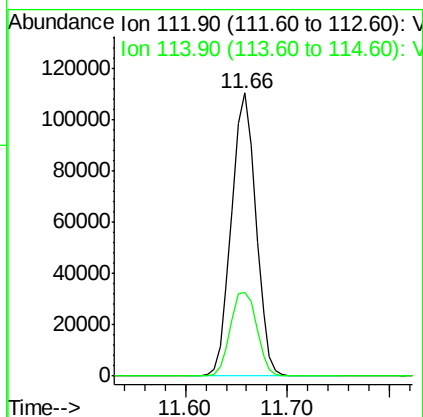
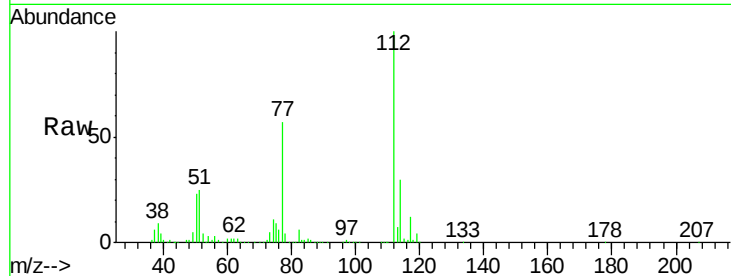
#65
Chlorobenzene
Concen: 20.504 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 182669
Ion Ratio Lower Upper
112 100
114 29.6 25.6 38.4

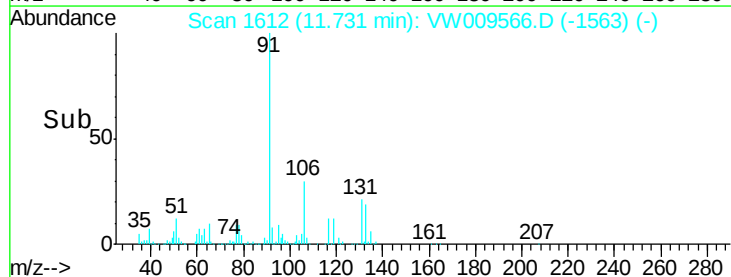
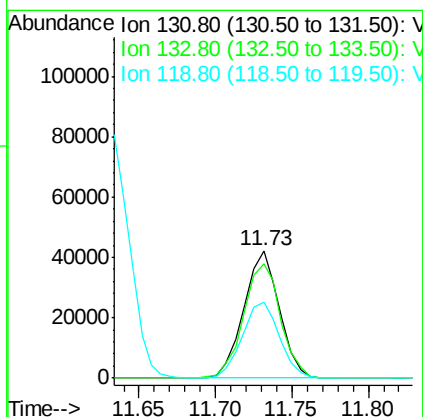
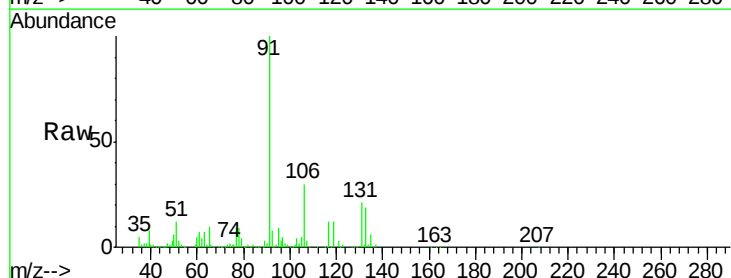
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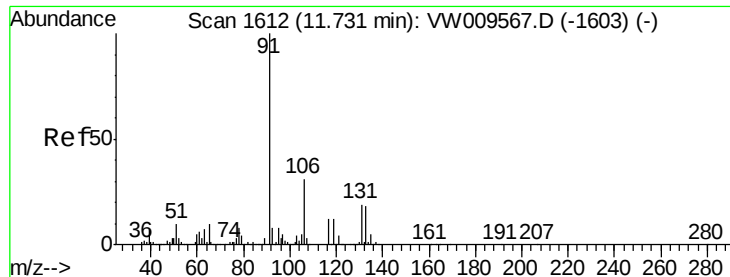
MMDadoda
4/1/2019 4:04:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.710 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:131 Resp: 67786
Ion Ratio Lower Upper
131 100
133 93.7 47.3 141.8
119 62.6 31.6 95.0





#67

Ethyl Benzene

Concen: 19.664 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 320910

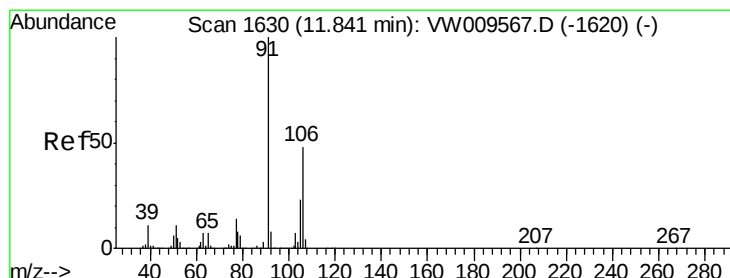
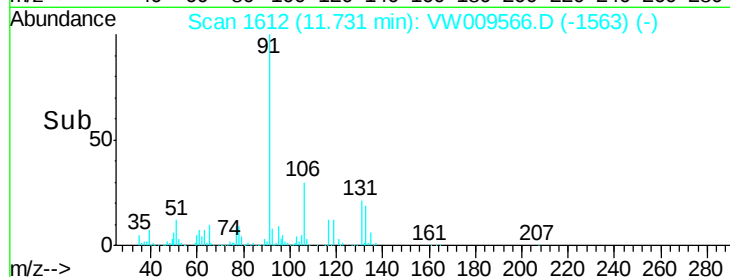
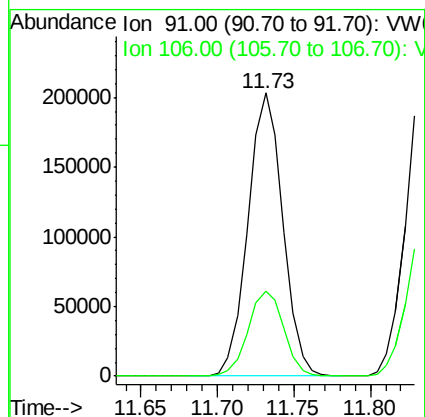
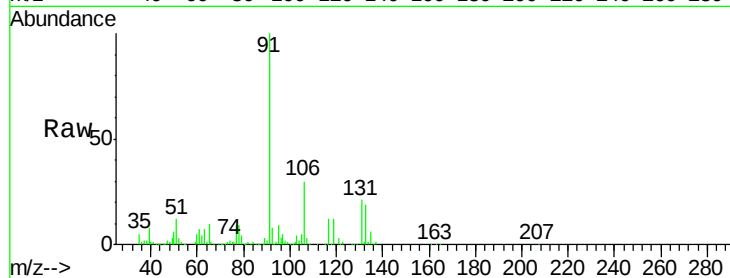
Ion Ratio Lower Upper

91 100

106 30.0 24.6 36.8

Manual Integrations
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4/1/2019 4:04:45 AM



#68

m/p-Xylenes

Concen: 40.312 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009566.D

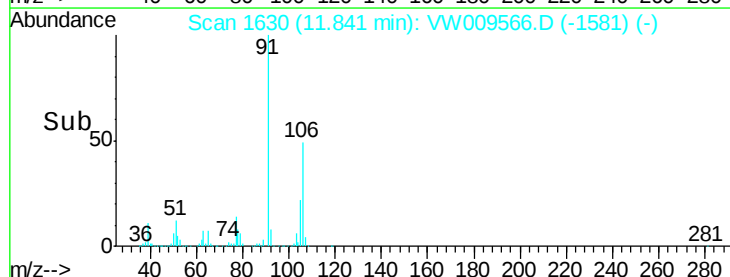
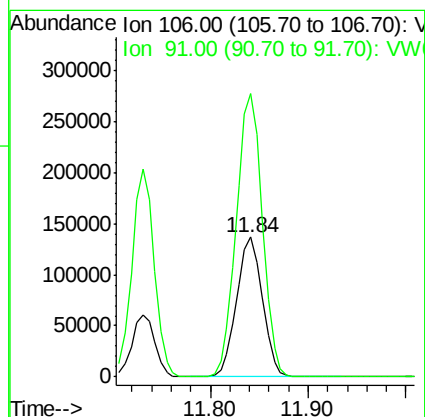
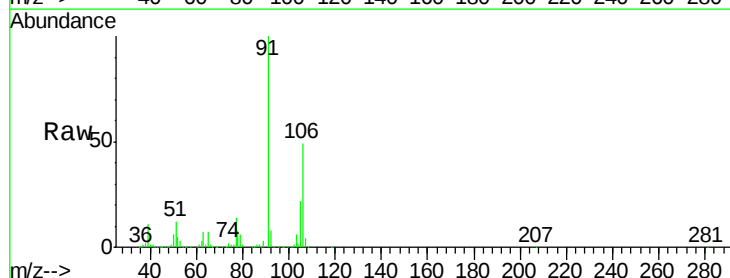
Acq: 29 Mar 2019 10:48

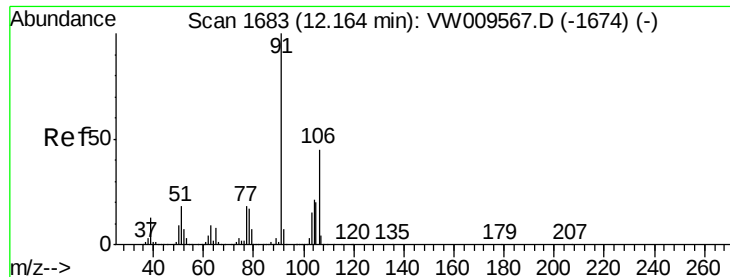
Tgt Ion: 106 Resp: 249998

Ion Ratio Lower Upper

106 100

91 205.0 163.1 244.7





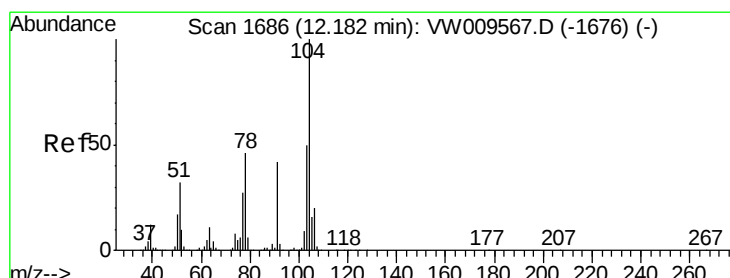
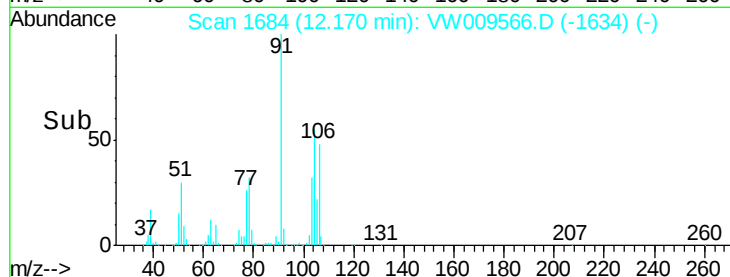
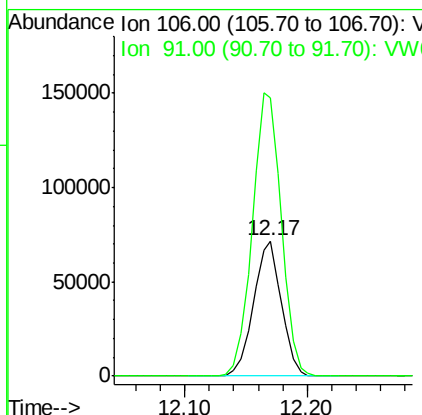
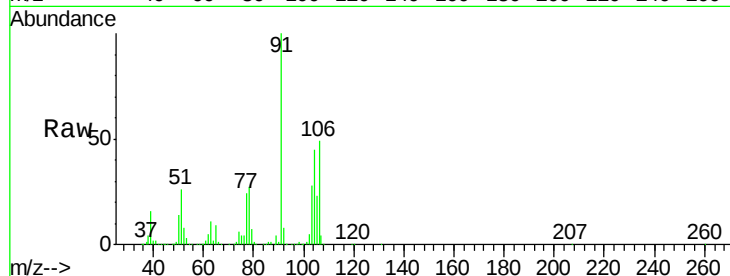
#69
o-Xylene
Concen: 19.570 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 113852
Ion Ratio Lower Upper
106 100
91 217.5 108.6 325.8

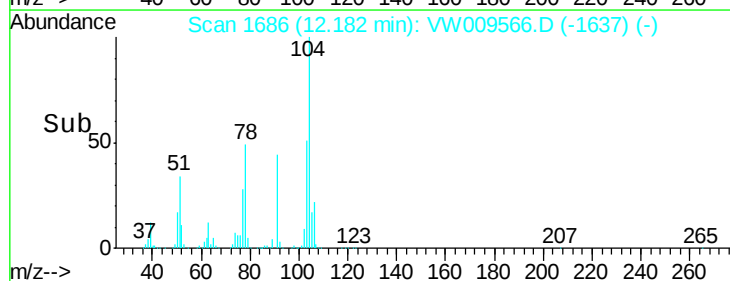
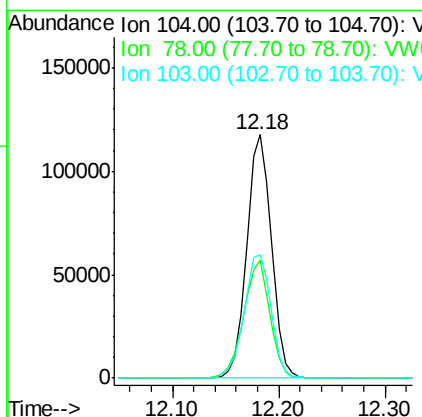
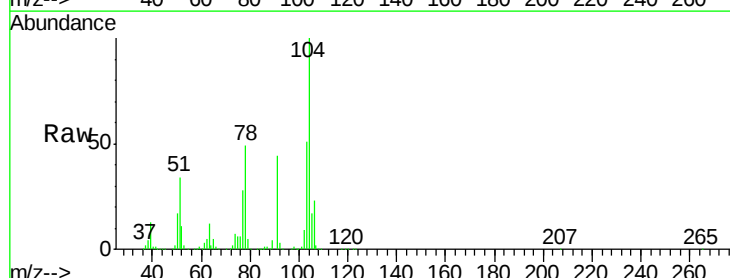
Manual Integrations
APPROVED

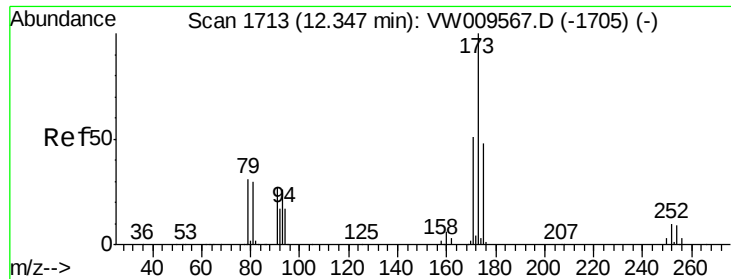
MMDadoda
4/1/2019 4:04:45 AM



#70
Styrene
Concen: 19.531 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion:104 Resp: 191974
Ion Ratio Lower Upper
104 100
78 51.6 42.2 63.4
103 55.4 44.6 66.8





#71

Bromoform

Concen: 19.438 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

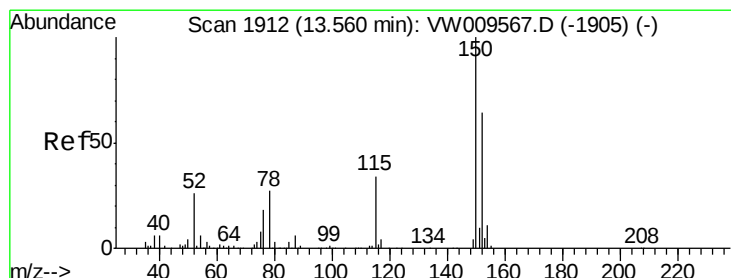
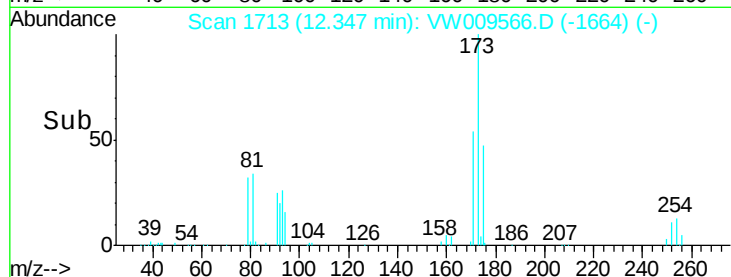
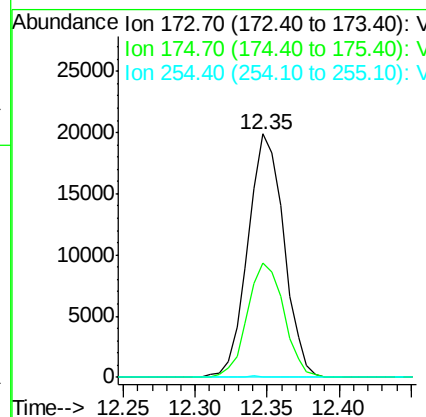
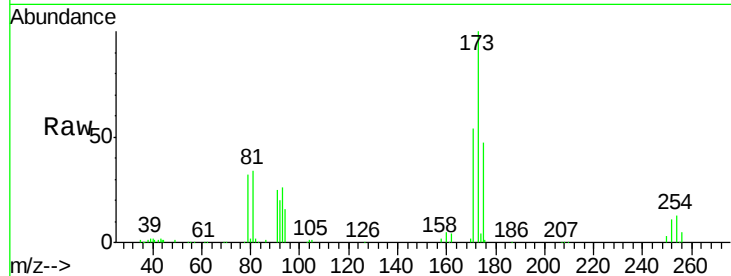
ClientSampleId :

VSTDIC020

Tot Ion:	173	Resp:	34334
Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.1	72.4
254	0.4	0.2	0.4

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

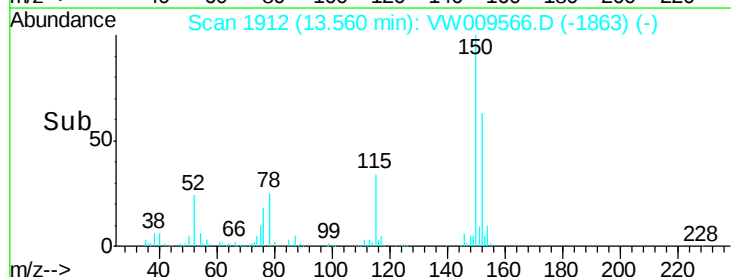
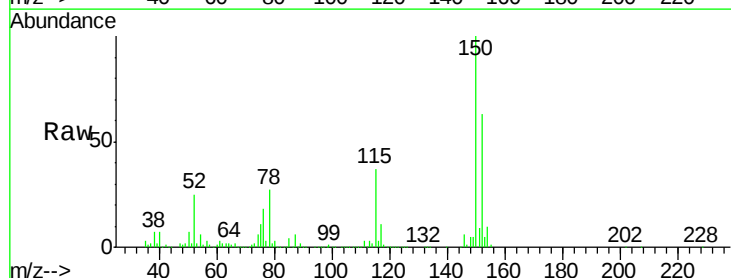
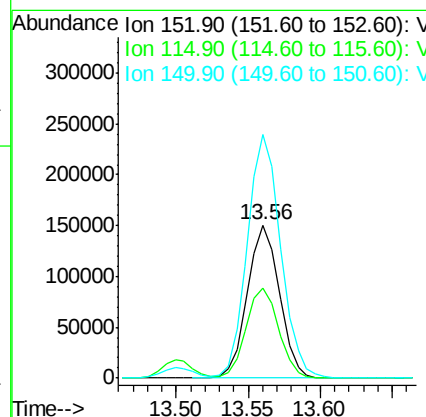
RT: 13.56 min Scan# 1912

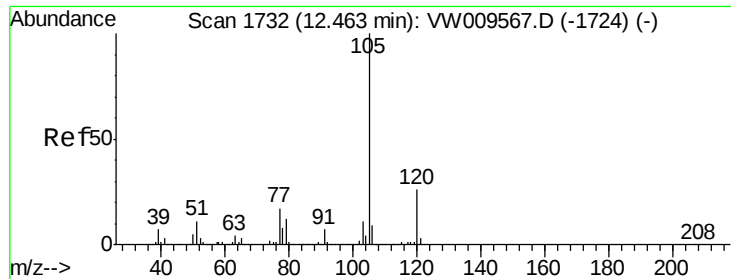
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	152	Resp:	230826
Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.6	88.8
150	165.9	0.0	349.2





#73

Isopropylbenzene

Concen: 19.169 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 326813

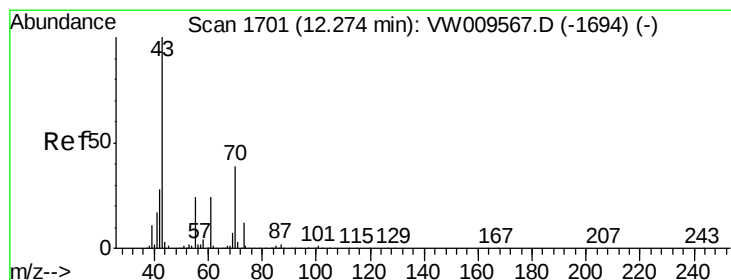
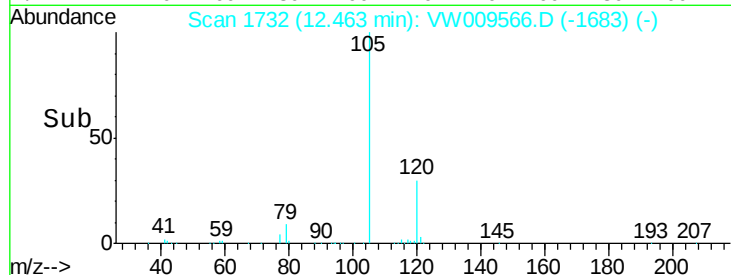
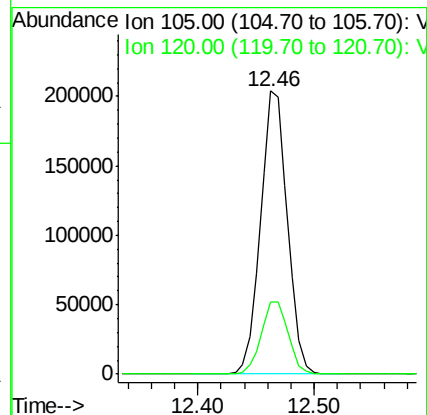
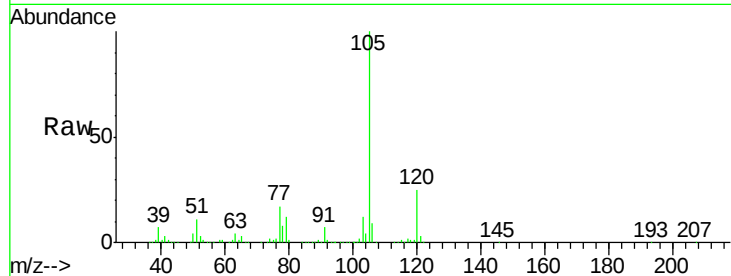
Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0

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4/1/2019 4:04:45 AM



#74

N-ethyl acetate

Concen: 18.979 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion: 43 Resp: 81595

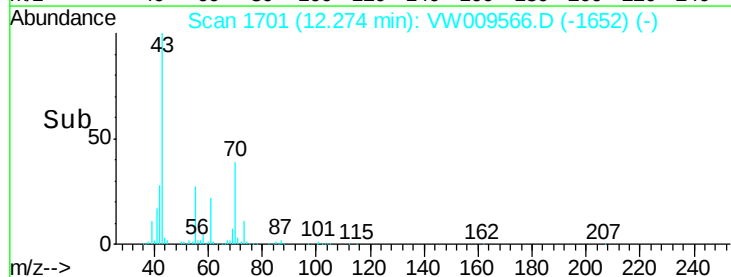
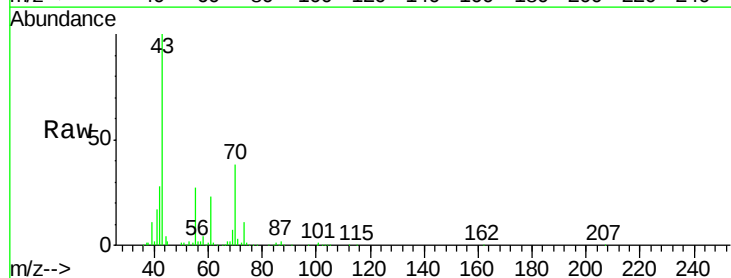
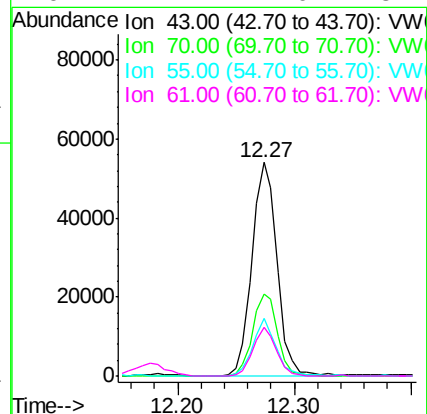
Ion Ratio Lower Upper

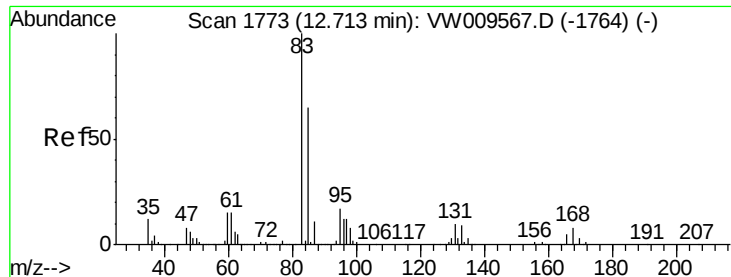
43 100

70 38.1 30.6 46.0

55 25.2 19.3 28.9

61 21.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.130 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

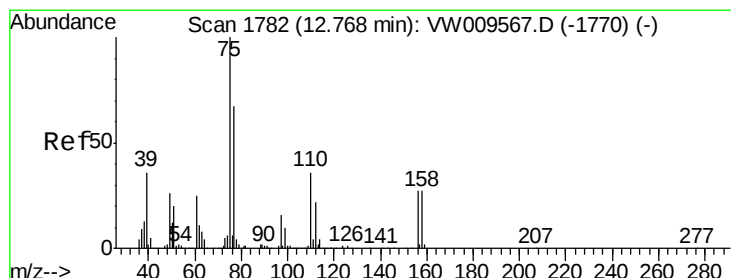
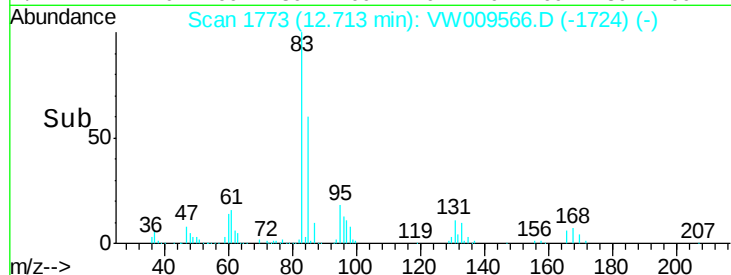
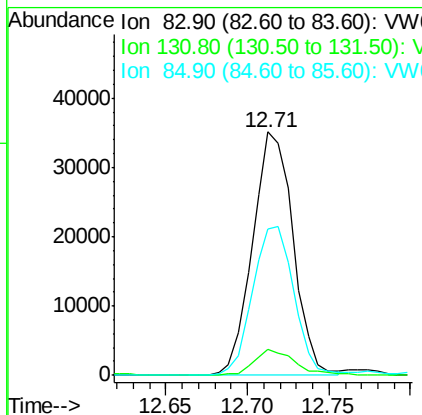
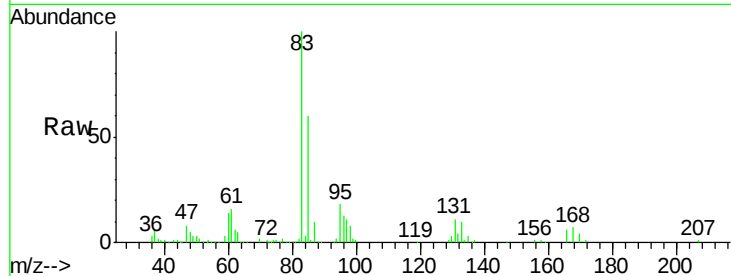
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	60527
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	62.2	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.947 ug/l m

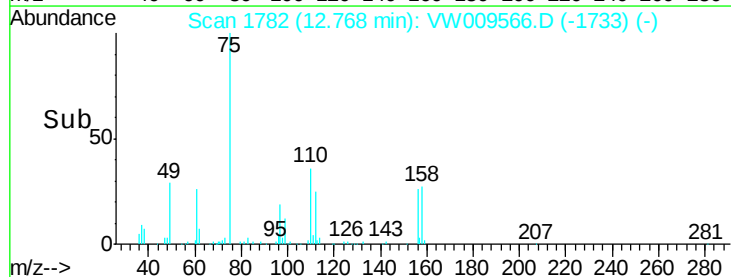
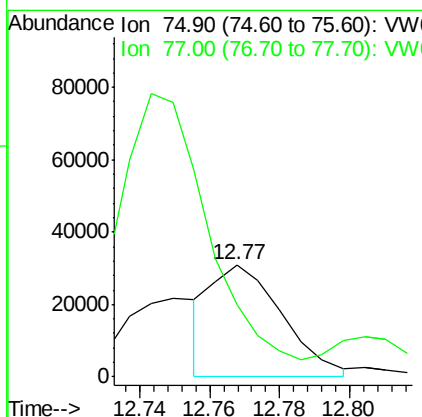
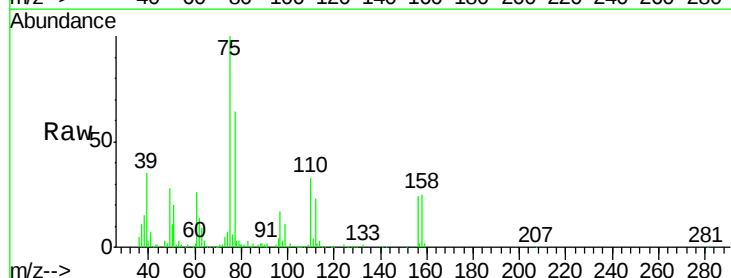
RT: 12.77 min Scan# 1782

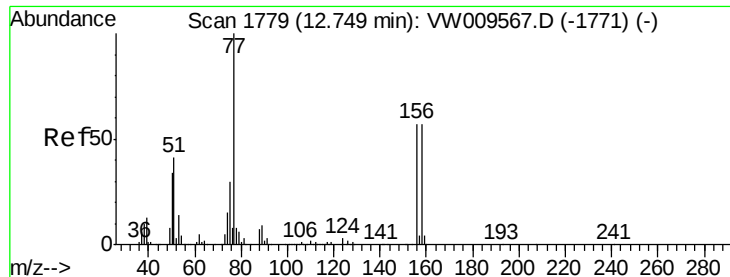
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	75	Resp:	43547
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.234 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

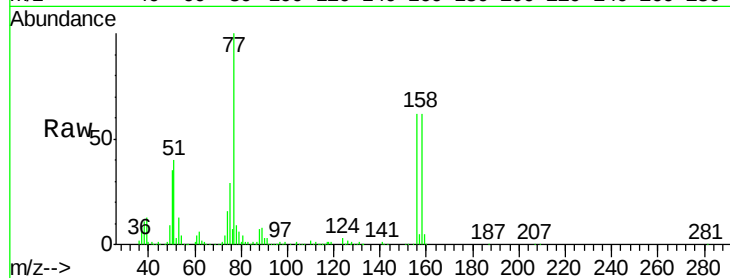
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	188.8		96.0	288.0	
158	95.6		49.1	147.3	

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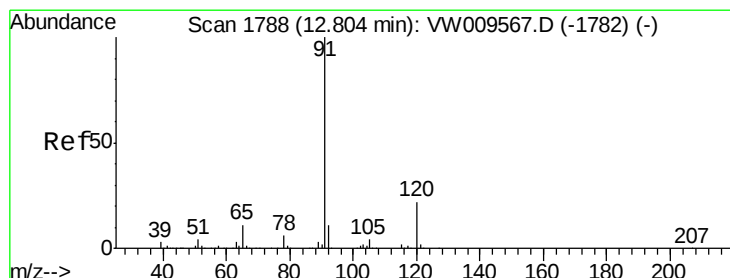
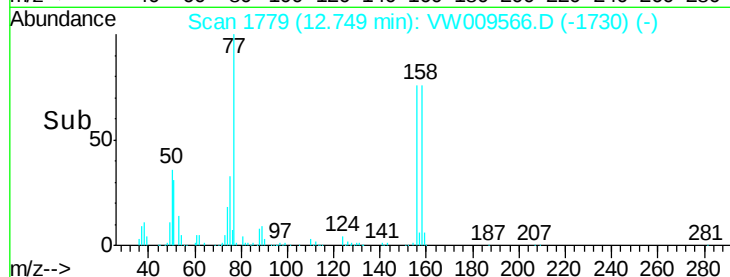
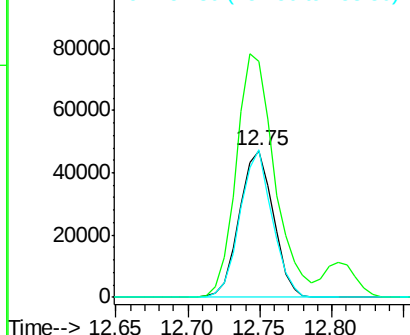


Abundance

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: 19.270 ug/l

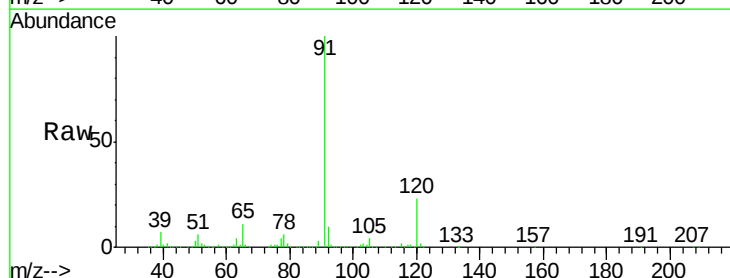
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

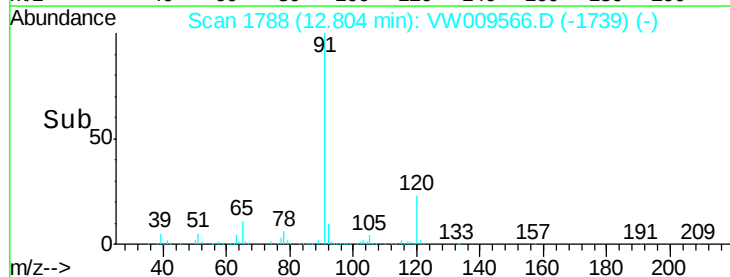
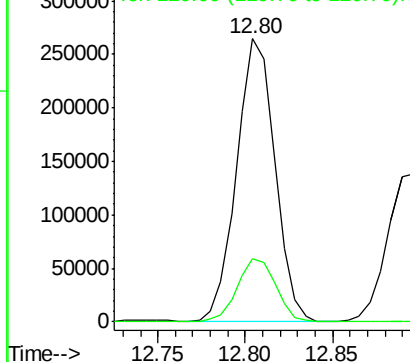
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.5		11.1	33.3	

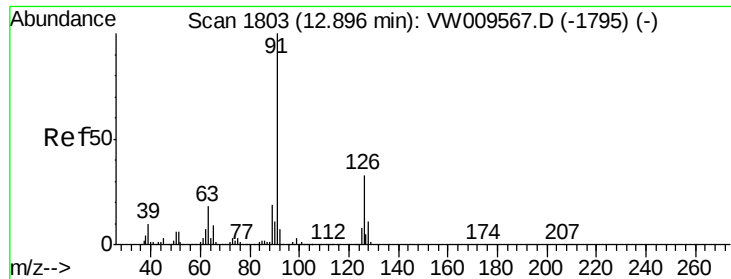


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





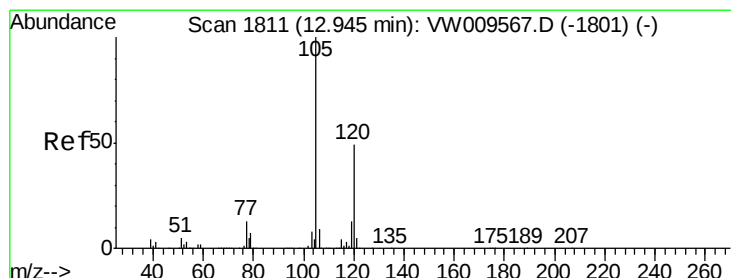
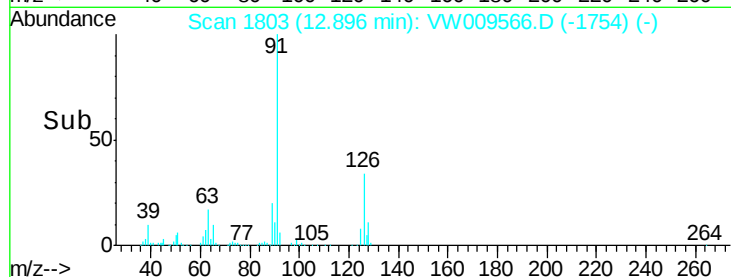
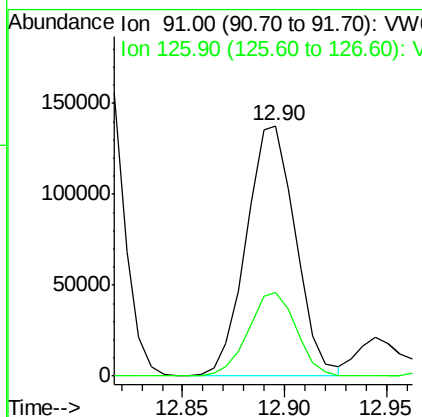
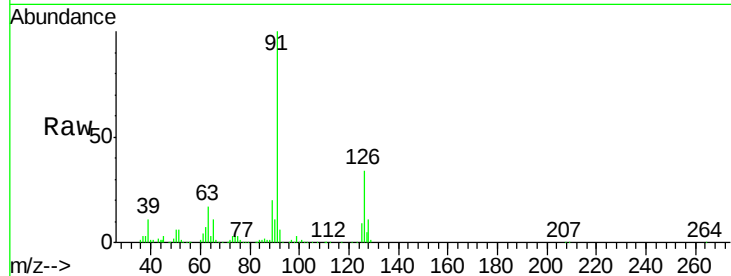
#79
2-Chlorotoluene
Concen: 19.597 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 231277
Ion Ratio Lower Upper
91 100
126 32.7 17.0 51.0

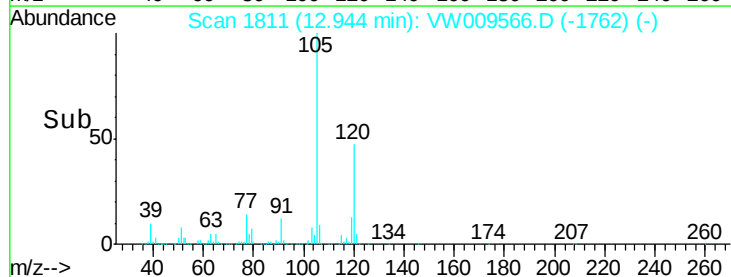
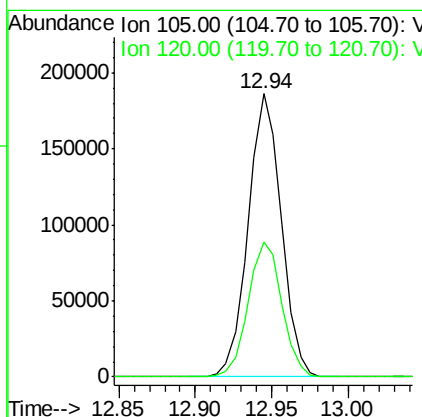
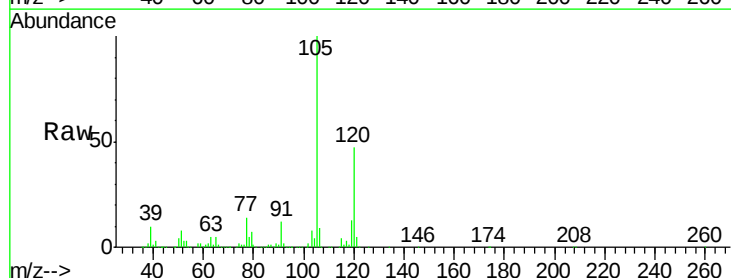
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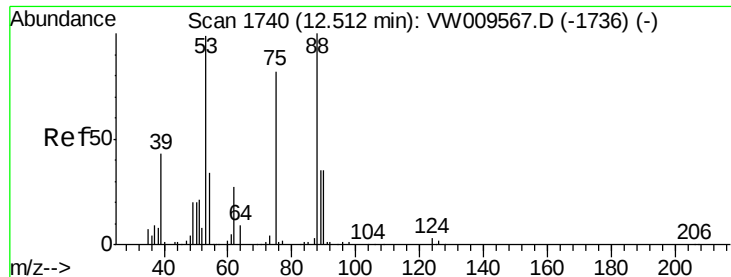
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#80
1,3,5-Trimethylbenzene
Concen: 19.364 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion: 105 Resp: 279382
Ion Ratio Lower Upper
105 100
120 48.7 24.6 74.0





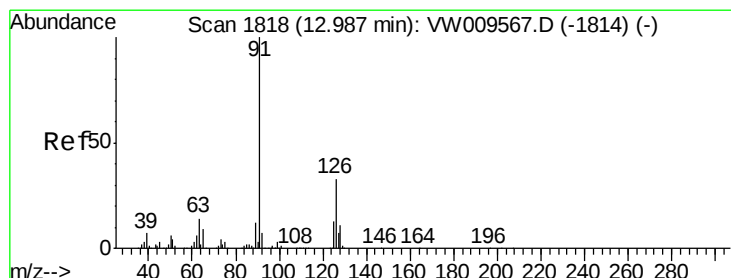
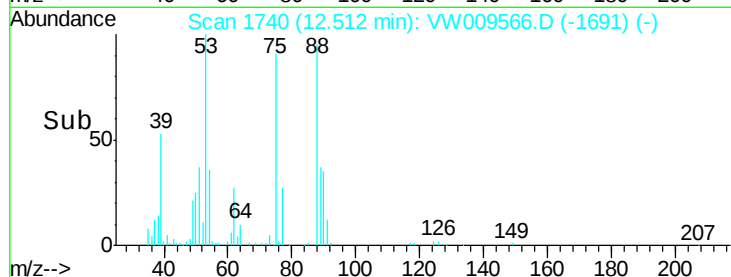
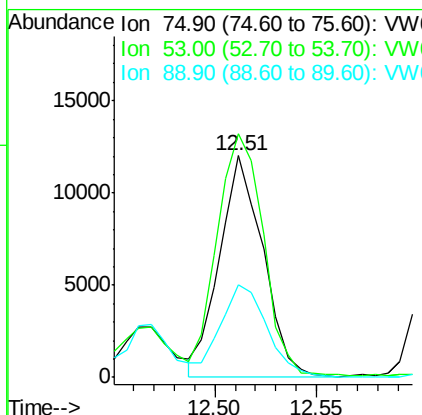
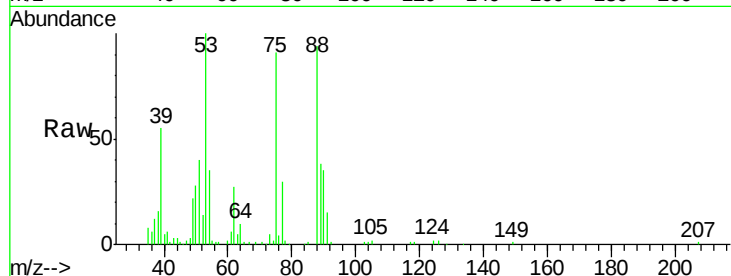
#81
trans-1,4-Dichloro-2-butene
Concen: 19.020 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.4	86.7	130.1
89	45.4	36.4	54.6

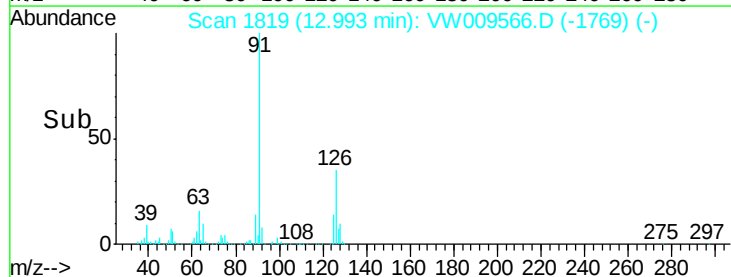
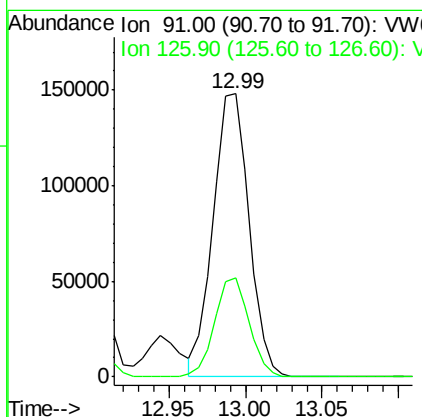
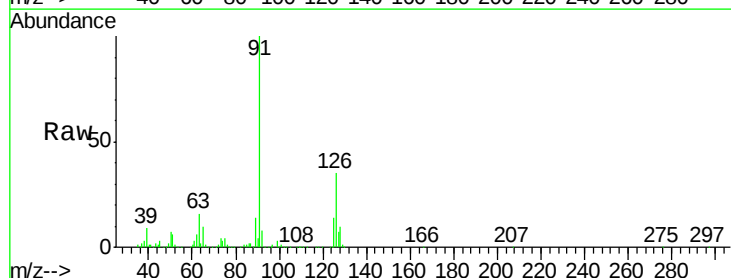
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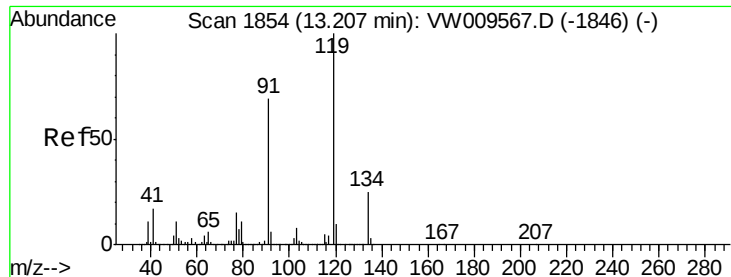
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#82
4-Chlorotoluene
Concen: 19.421 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.9	50.6





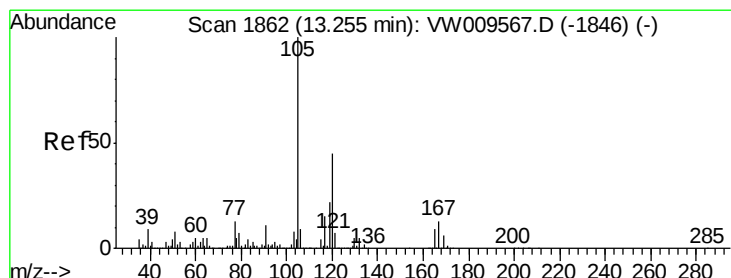
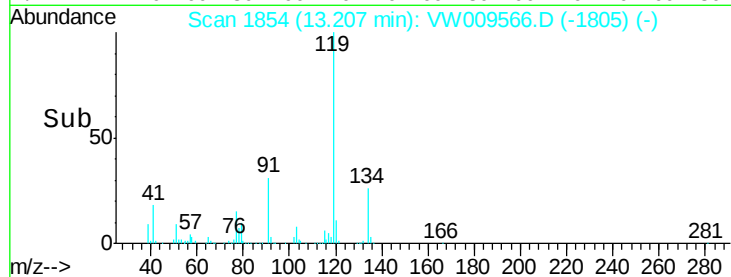
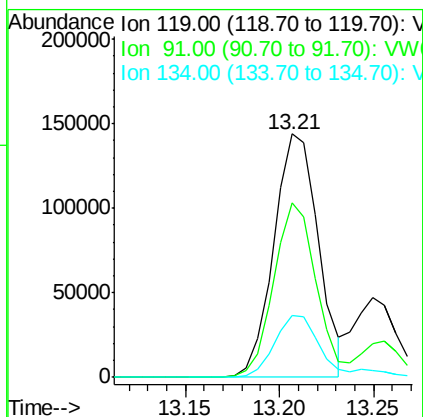
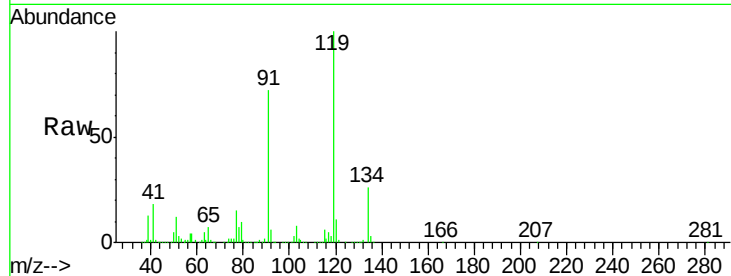
#83
 tert-Butylbenzene
 Concen: 19.194 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.4	103.2
134	25.4	12.7	38.1

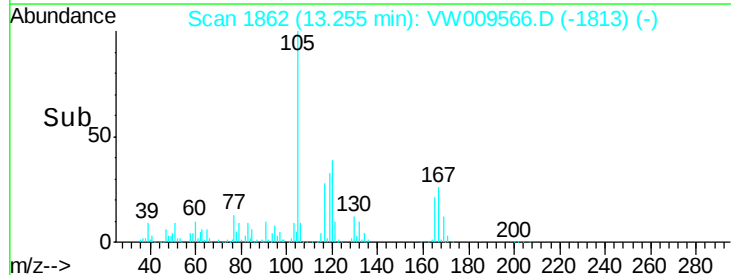
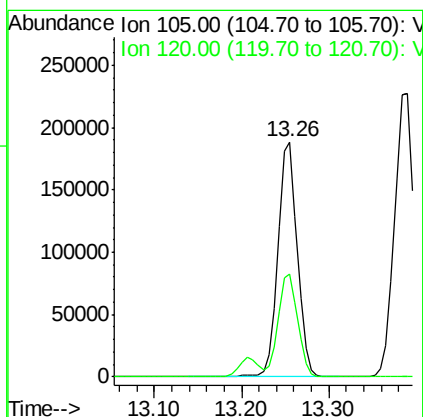
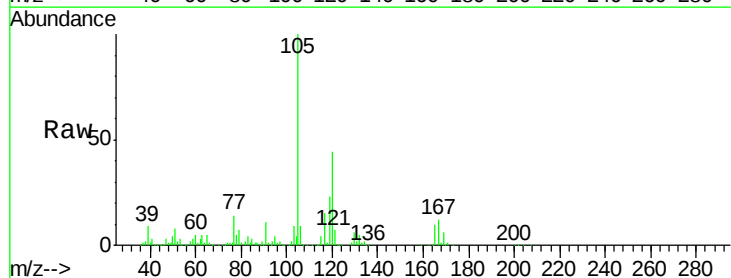
Manual Integrations
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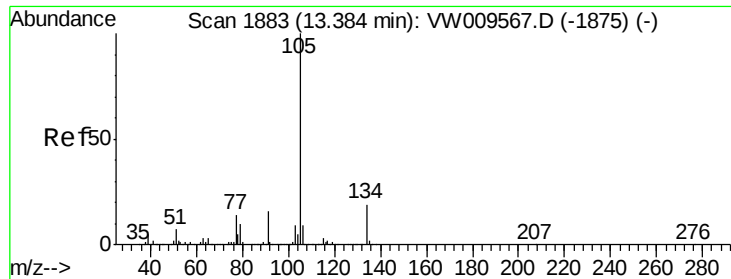
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 4/1/2019 4:04:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.585 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.8	68.3





#85

sec-Butylbenzene

Concen: 18.998 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 354189

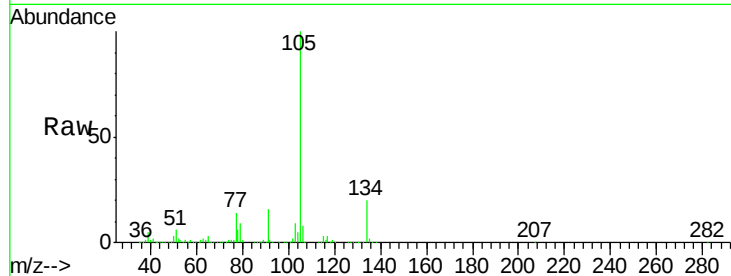
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

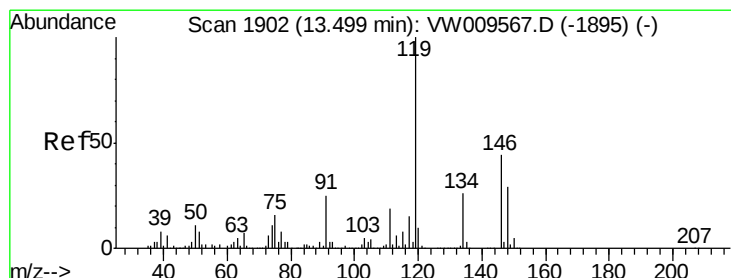
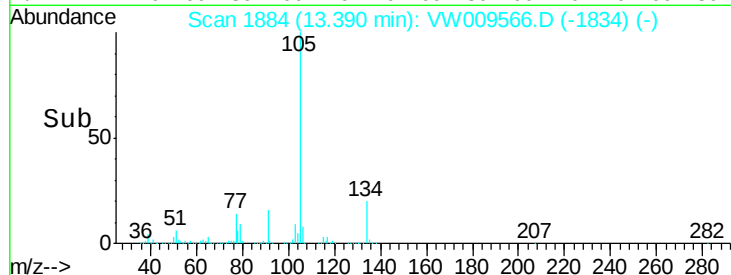
0

13.39

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 19.347 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

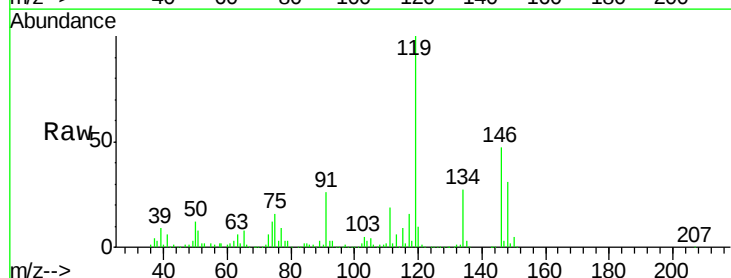
Tgt Ion:119 Resp: 313504

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 24.8 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

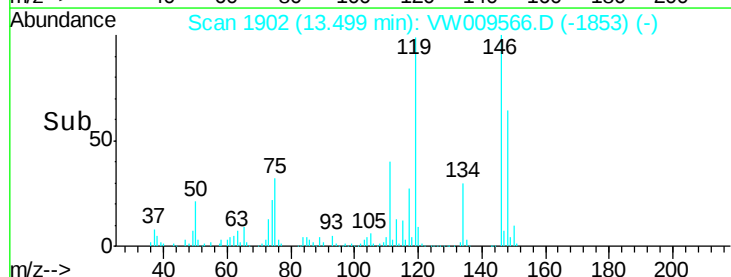
0

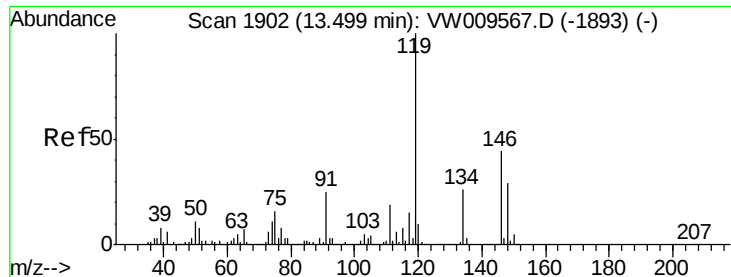
13.50

13.40

13.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.158 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

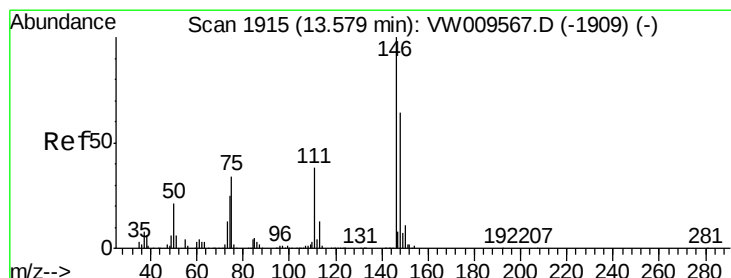
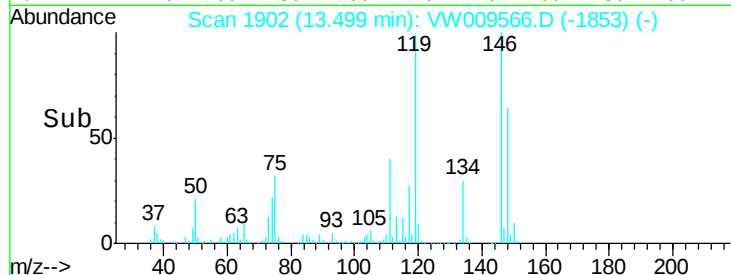
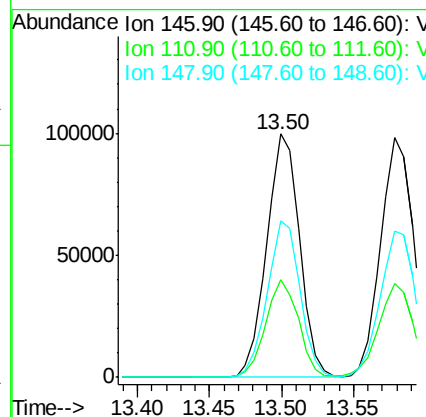
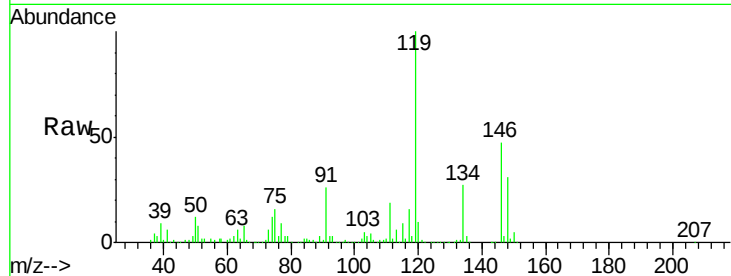
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	64.2	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.166 ug/l

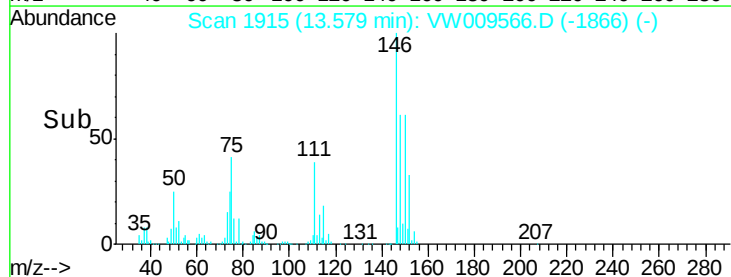
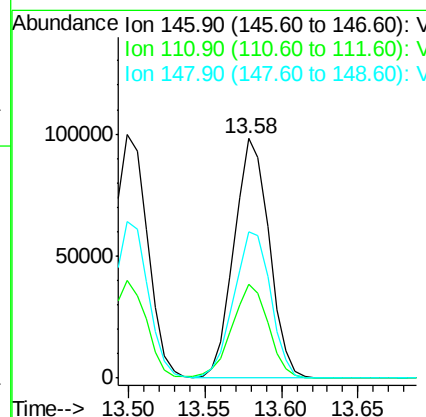
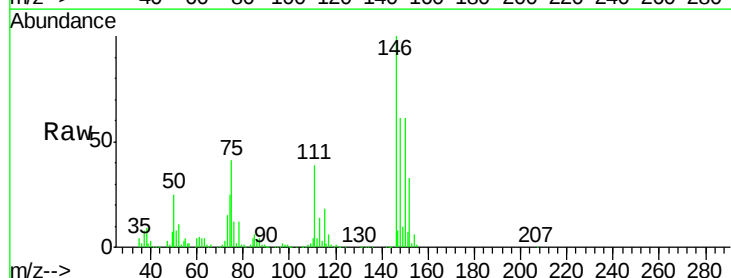
RT: 13.58 min Scan# 1915

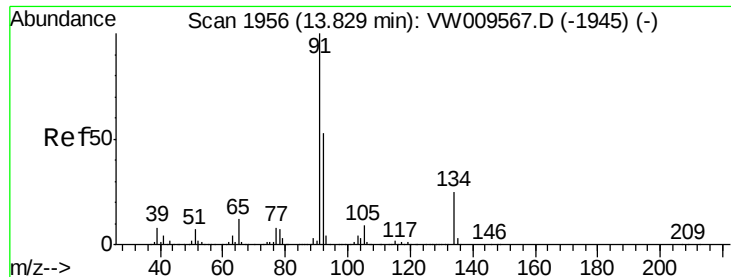
Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.9	59.6
148	63.9	32.2	96.6





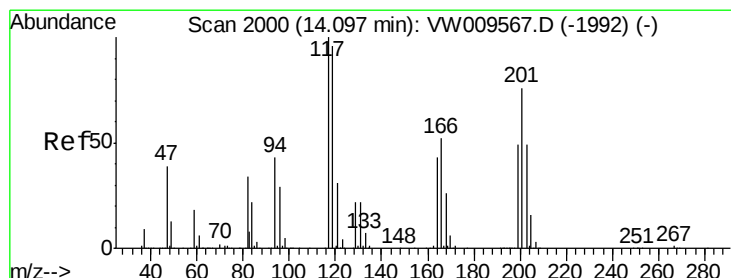
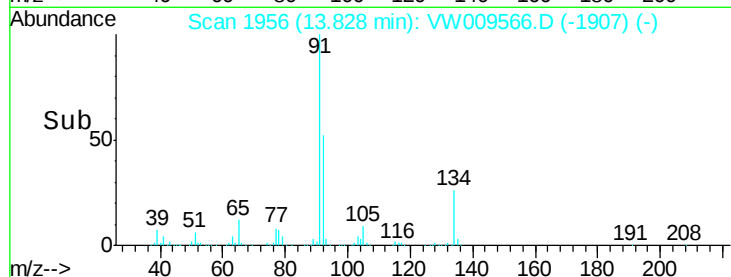
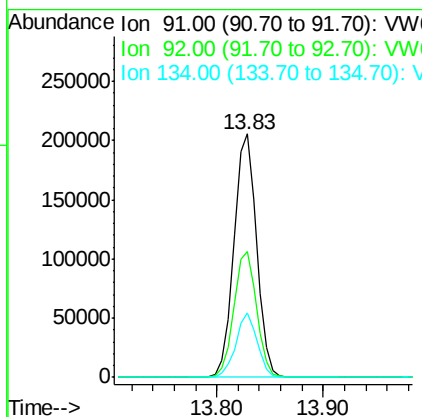
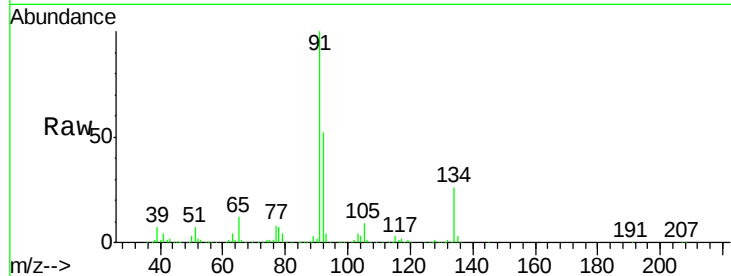
#89
n-Butylbenzene
Concen: 19.239 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.4	79.0
134	25.0	12.9	38.6

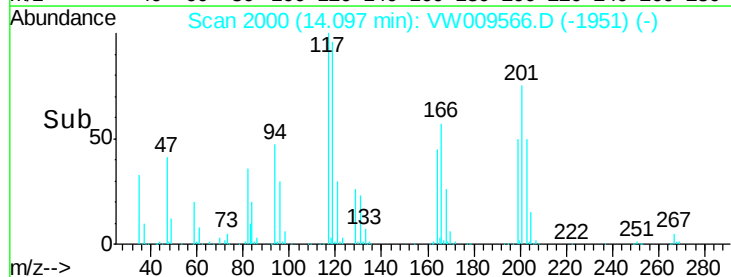
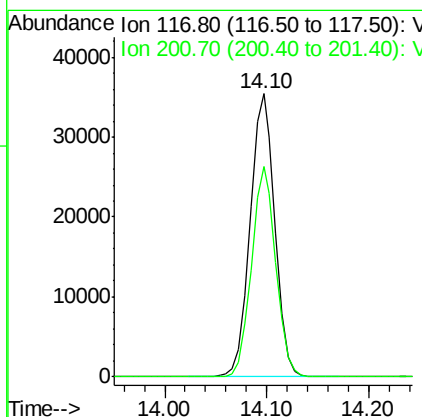
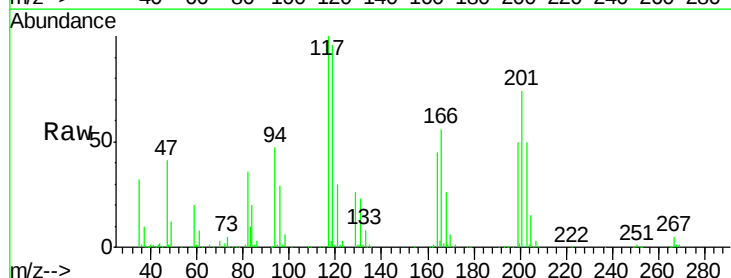
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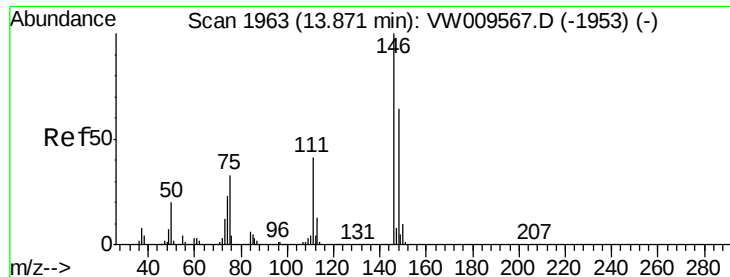
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#90
Hexachloroethane
Concen: 19.944 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009566.D
Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.8	38.2	114.6





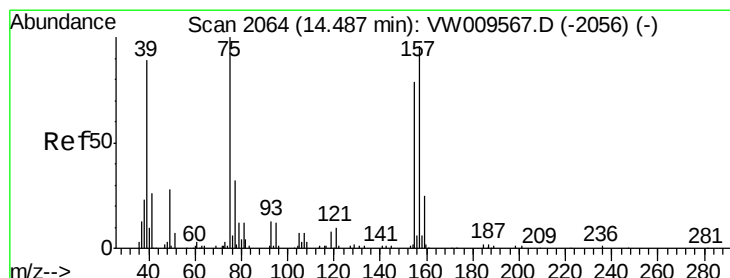
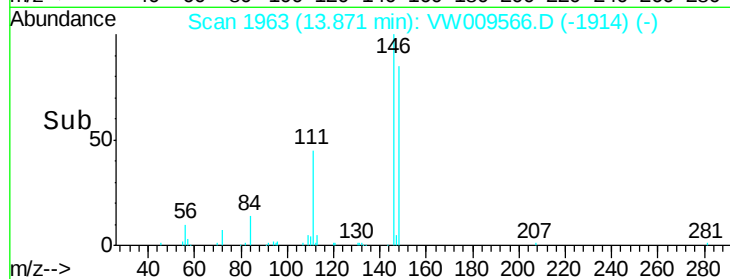
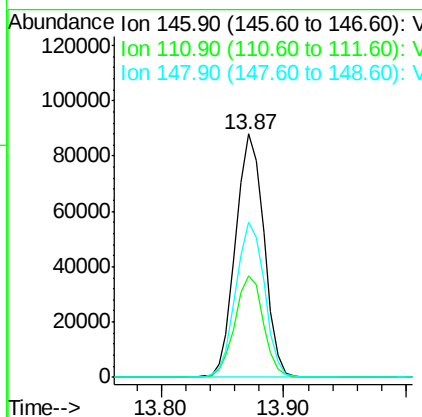
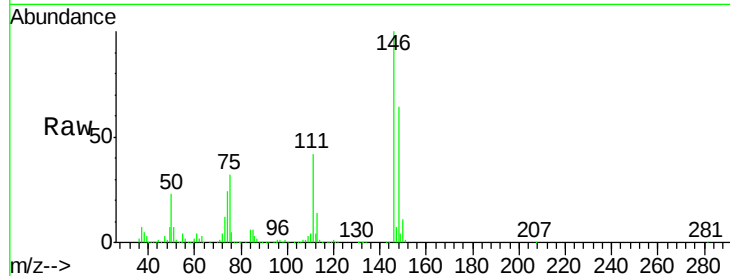
#91
 1,2-Dichlorobenzene
 Concen: 20.130 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	64.4	31.9	95.9

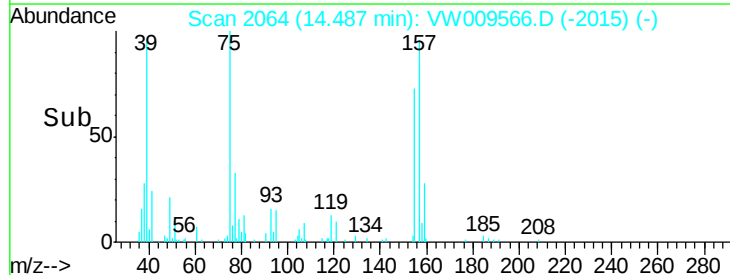
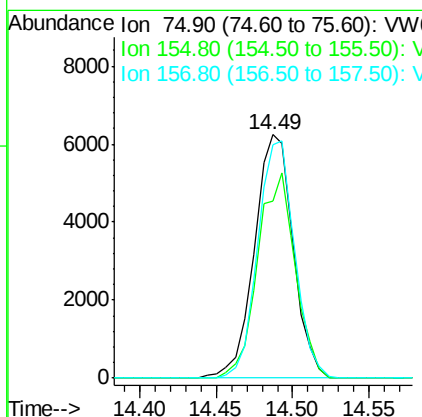
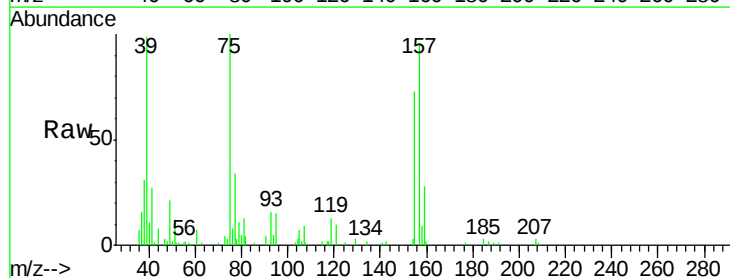
Manual Integrations
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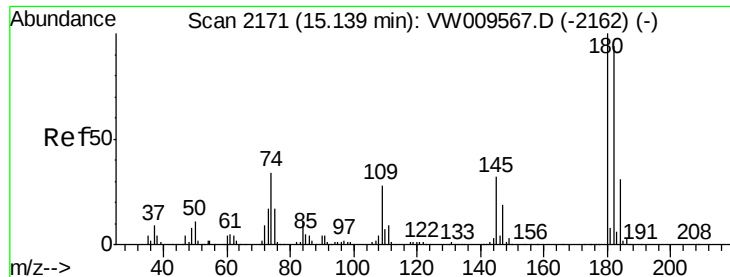
MMDadoda
 4/1/2019 4:04:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.891 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	39.3	117.8
157	92.6	49.5	148.5





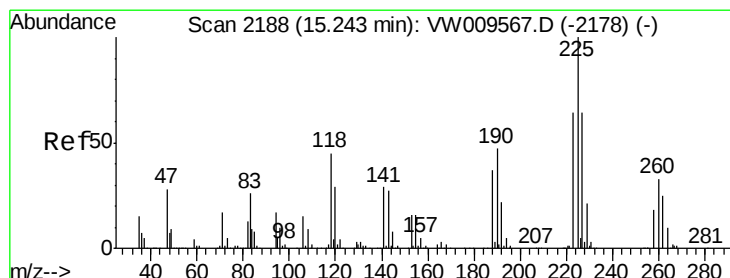
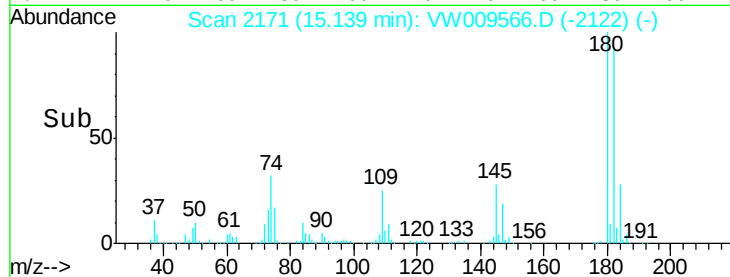
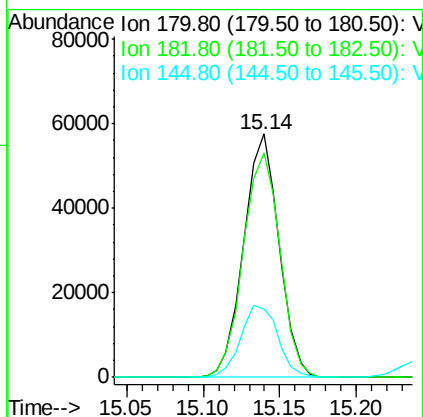
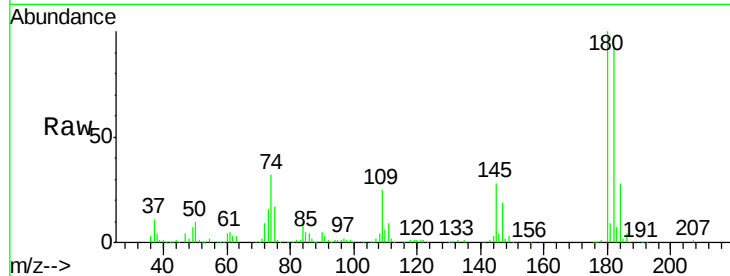
#93
 1,2,4-Trichlorobenzene
 Concen: 19.833 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	92509
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	31.2	15.0	45.0

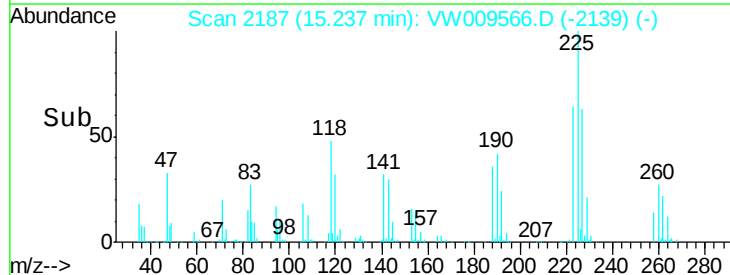
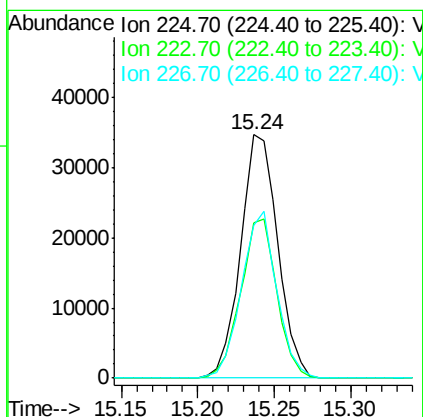
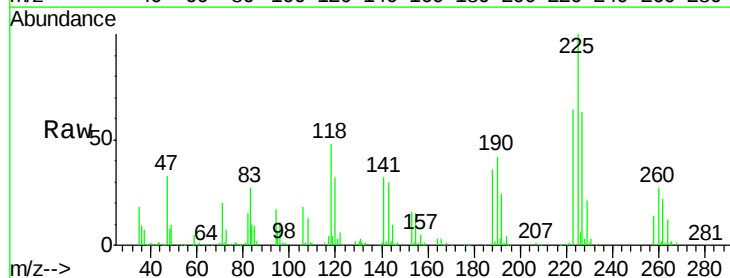
Manual Integrations
 APPROVED

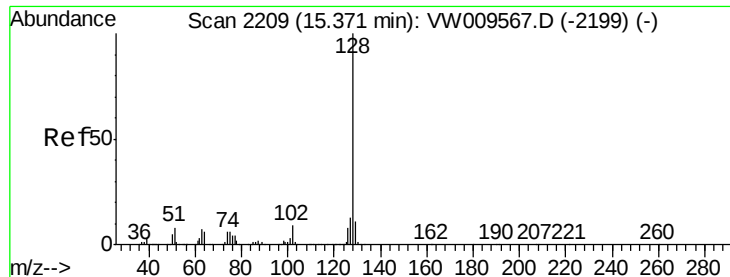
MMDadoda
 4/1/2019 4:04:45 AM



#94
 Hexachlorobutadiene
 Concen: 20.140 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009566.D
 Acq: 29 Mar 2019 10:48

Tgt Ion:	225	Resp:	58396
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.4	94.3
227	65.1	32.1	96.5





#95

Naphthalene

Concen: 17.815 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Instrument :

MSVOA_W

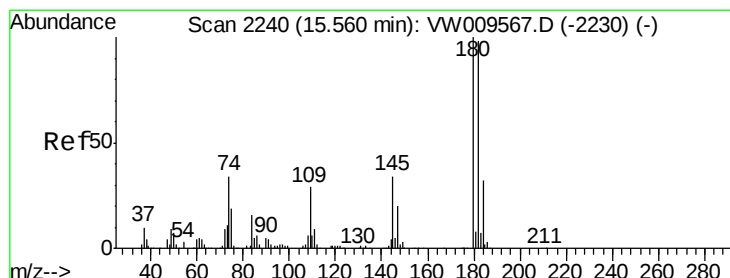
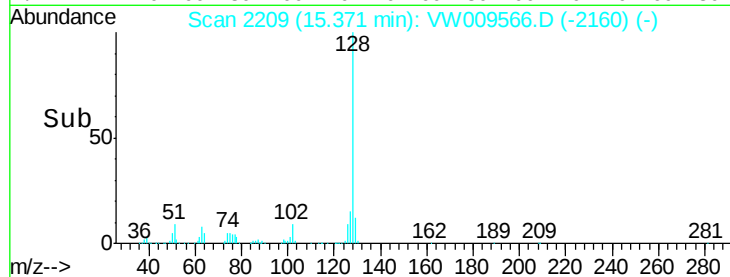
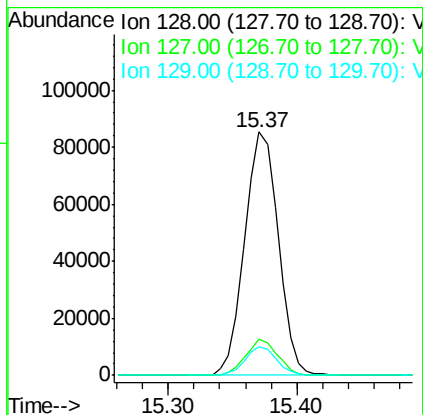
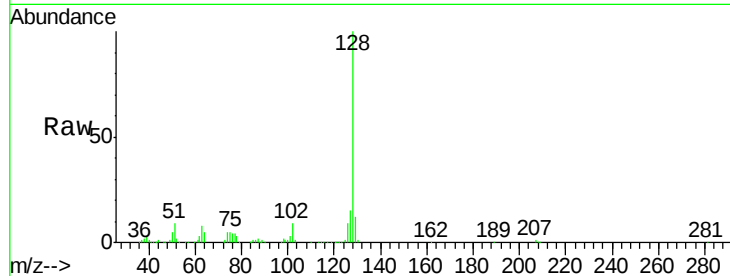
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	154191
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.8	16.2
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.322 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009566.D

Acq: 29 Mar 2019 10:48

Tgt Ion:	180	Resp:	83515
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.3	141.9
145	31.4	16.0	48.0

