

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009569.D
 Acq On : 29 Mar 2019 12:10
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:48 AM

Quant Time: Mar 29 13:24:27 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	323310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	480129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	251292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	578588	154.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.38%	
35) Dibromofluoromethane	7.88	113	484406	149.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.36%	
50) Toluene-d8	10.32	98	1887442	151.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.26%	
62) 4-Bromofluorobenzene	12.62	95	721916	154.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	293610	155.317	ug/l	94
3) Chloromethane	2.21	50	403480	161.300	ug/l	97
4) Vinyl Chloride	2.37	62	511825	149.070	ug/l	97
5) Bromomethane	2.77	94	373938	144.188	ug/l	97
6) Chloroethane	2.92	64	362217	139.552	ug/l	98
7) Trichlorofluoromethane	3.25	101	376381	157.989	ug/l	95
8) Diethyl Ether	3.67	74	244722	145.398	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	462929	145.528	ug/l	97
10) Methyl Iodide	4.26	142	644168	144.163	ug/l	97
11) Tert butyl alcohol	5.17	59	172458	832.429	ug/l	99
12) 1,1-Dichloroethene	4.04	96	440297	145.883	ug/l	98
13) Acrolein	3.88	56	117420	748.862	ug/l	97
14) Allyl chloride	4.66	41	749722	150.595	ug/l	98
15) Acrylonitrile	5.36	53	600481	805.030	ug/l	99
16) Acetone	4.12	43	630643	755.296	ug/l	94
17) Carbon Disulfide	4.37	76	1223102	145.072	ug/l	99
18) Methyl Acetate	4.67	43	321115	164.654	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	652883	149.710	ug/l	99
20) Methylene Chloride	4.91	84	464722	141.065	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	482244	148.672	ug/l	95
22) Diisopropyl ether	6.31	45	1705584	156.817	ug/l	97
23) Vinyl Acetate	6.25	43	5697862	831.283	ug/l	99
24) 1,1-Dichloroethane	6.21	63	947116	148.631	ug/l	98
25) 2-Butanone	7.16	43	951530	837.053	ug/l	98
26) 2,2-Dichloropropane	7.16	77	516662	141.713	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	549524	152.952	ug/l	96
28) Bromochloromethane	7.51	49	445685	165.746	ug/l	93
29) Tetrahydrofuran	7.52	42	610660	858.155	ug/l	98
30) Chloroform	7.67	83	982600	149.938	ug/l	98
31) Cyclohexane	7.95	56	833946	146.601	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	776058	145.416	ug/l	98
36) 1,1-Dichloropropene	8.08	75	751914	140.923	ug/l	100
37) Ethyl Acetate	7.25	43	404132	161.244	ug/l	99
38) Carbon Tetrachloride	8.07	117	769710	142.474	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	902838	146.863	ug/l	98
40) Benzene	8.32	78	2073796	143.707	ug/l	99
41) Methacrylonitrile	7.48	41	259134	173.777	ug/l	88
42) 1,2-Dichloroethane	8.40	62	704646	146.309	ug/l	99
43) Isopropyl Acetate	8.42	43	798410	164.412	ug/l	98
44) Trichloroethene	9.09	130	534047	143.385	ug/l	98
45) 1,2-Dichloropropane	9.37	63	530770	144.246	ug/l	98
46) Dibromomethane	9.46	93	295193	150.049	ug/l	96
47) Bromodichloromethane	9.64	83	756548	147.608	ug/l	97
48) Methyl methacrylate	9.43	41	402736	167.263	ug/l	96
49) 1,4-Dioxane	9.44	88	96022	3156.746	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	2181701	819.577	ug/l	100
52) Toluene	10.39	92	1364087	147.384	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	799624	156.706	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	870289	153.450	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	404680	151.237	ug/l	95
56) Ethyl methacrylate	10.65	69	591358	169.988	ug/l	97
57) 1,3-Dichloropropane	10.93	76	733660	152.496	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1388172	814.500	ug/l	97
59) 2-Hexanone	10.97	43	1563481	825.529	ug/l	99
60) Dibromochloromethane	11.13	129	502670	154.715	ug/l	98
61) 1,2-Dibromoethane	11.24	107	395354	153.094	ug/l	100
64) Tetrachloroethene	10.86	164	468653	146.985	ug/l	98
65) Chlorobenzene	11.66	112	1457203	145.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	545902	148.100	ug/l	100
67) Ethyl Benzene	11.73	91	2711422	147.531	ug/l	100
68) m/p-Xylenes	11.84	106	2033974	291.240	ug/l	98
69) o-Xylene	12.17	106	988529	150.882	ug/l	99
70) Styrene	12.18	104	1659359	149.907	ug/l	99
71) Bromoform	12.35	173	315406	158.567	ug/l #	100
73) Isopropylbenzene	12.46	105	2801821	150.951	ug/l	100
74) N-amyl acetate	12.27	43	819947	175.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	517464	158.078	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	380123m	159.939	ug/l	
77) Bromobenzene	12.75	156	602654	145.676	ug/l	96
78) n-propylbenzene	12.80	91	3337201	145.952	ug/l	100
79) 2-Chlorotoluene	12.90	91	1885388	146.748	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	2289395	145.755	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	174376	171.291	ug/l	97
82) 4-Chlorotoluene	12.99	91	1991130	147.155	ug/l	98
83) tert-Butylbenzene	13.21	119	1987736	148.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2349985	144.892	ug/l	99
85) sec-Butylbenzene	13.38	105	2889722	142.374	ug/l	99
86) p-Isopropyltoluene	13.50	119	2560962	145.169	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1220455	143.318	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1188284	140.346	ug/l	99
89) n-Butylbenzene	13.83	91	2491211	143.397	ug/l	98
90) Hexachloroethane	14.10	117	475834	145.606	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1093642	142.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	93963	155.900	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	739767	145.683	ug/l	99
94) Hexachlorobutadiene	15.24	225	435267	137.894	ug/l	99
95) Naphthalene	15.37	128	1495671	158.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	654745	146.344	ug/l	100

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

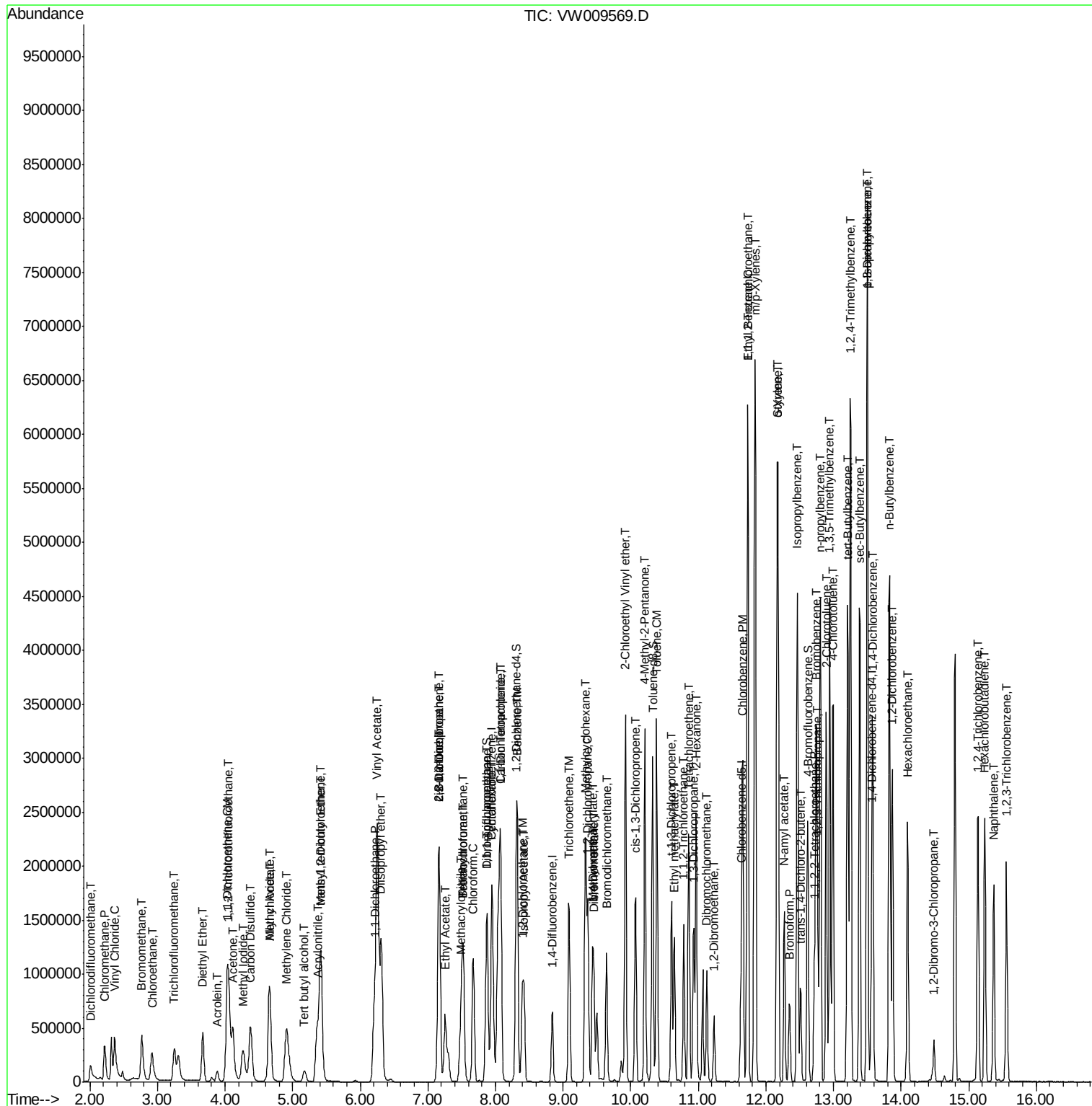
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032919\
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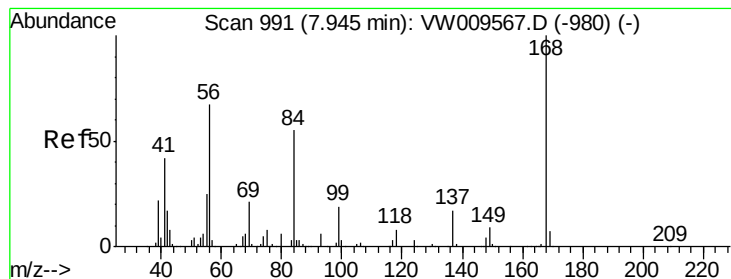
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 323310

Ion Ratio Lower Upper

168 100

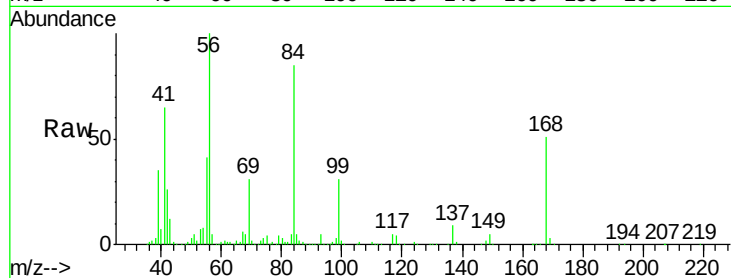
99 61.3 45.4 68.0

Manual Integrations

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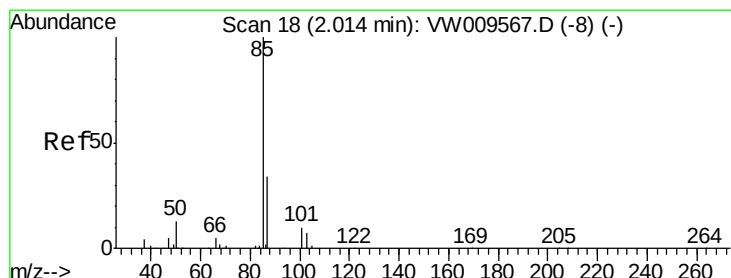
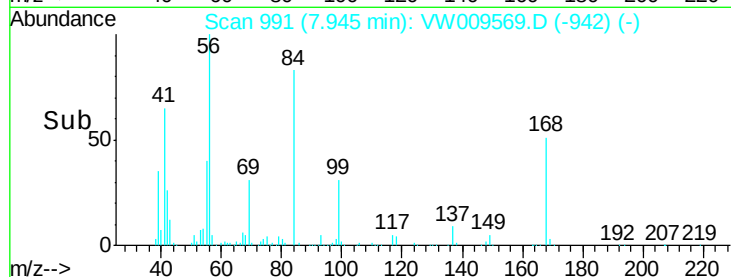
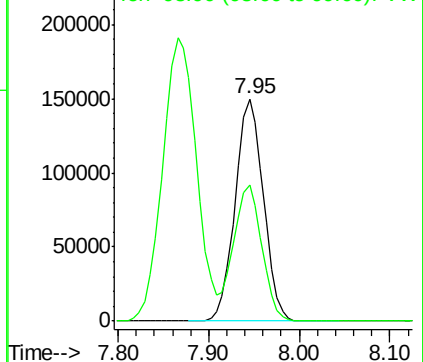
MMDadoda

4/1/2019 4:04:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 155.317 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009569.D

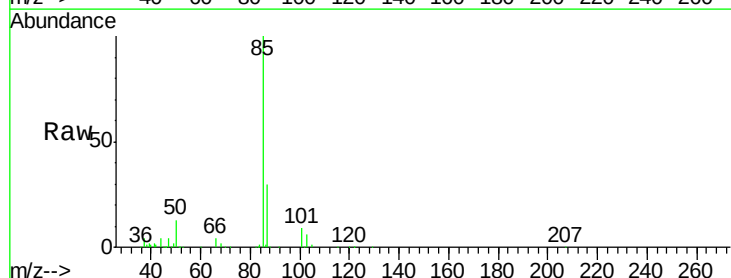
Acq: 29 Mar 2019 12:10

Tgt Ion: 85 Resp: 293610

Ion Ratio Lower Upper

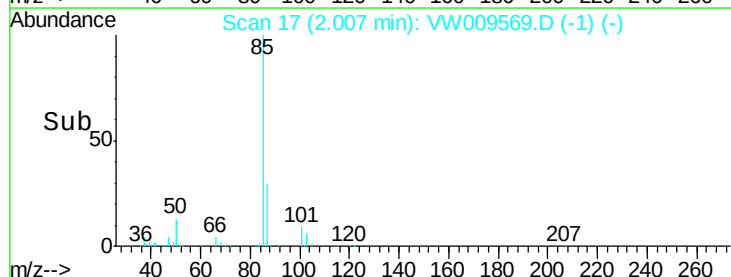
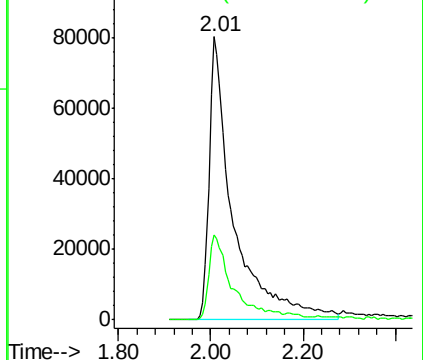
85 100

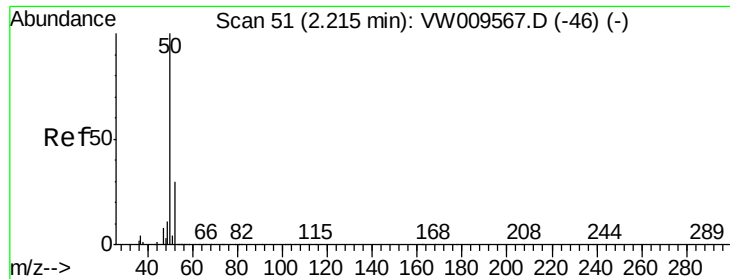
87 30.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 161.300 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 403480

Ion Ratio Lower Upper

50 100

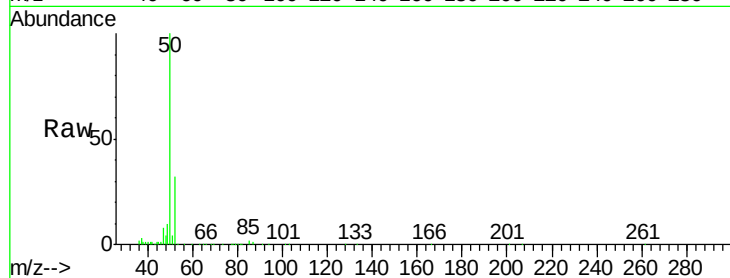
52 32.4 27.2 40.8

Manual Integrations

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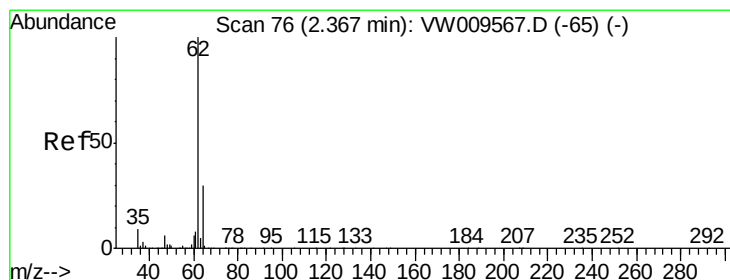
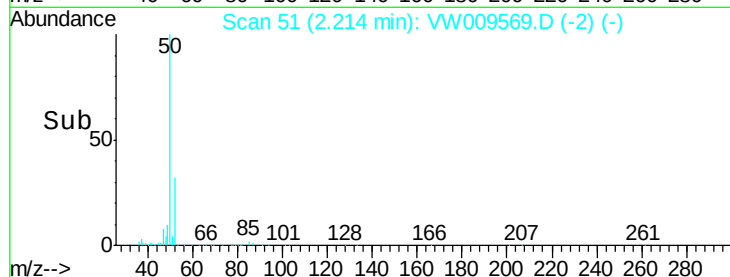
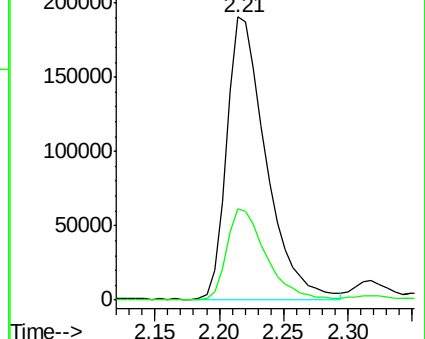
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 149.070 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009569.D

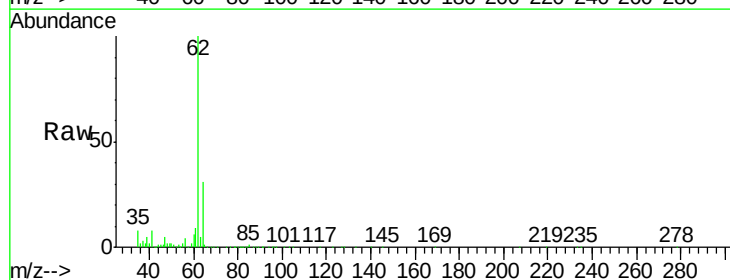
Acq: 29 Mar 2019 12:10

Tgt Ion: 62 Resp: 511825

Ion Ratio Lower Upper

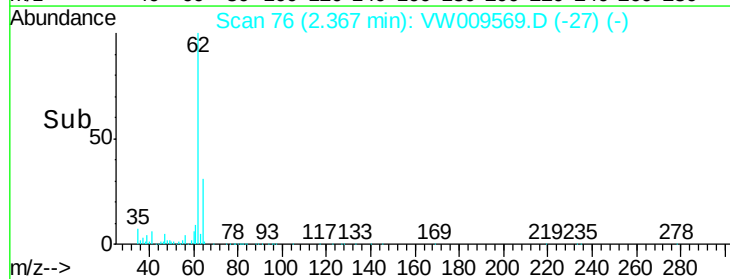
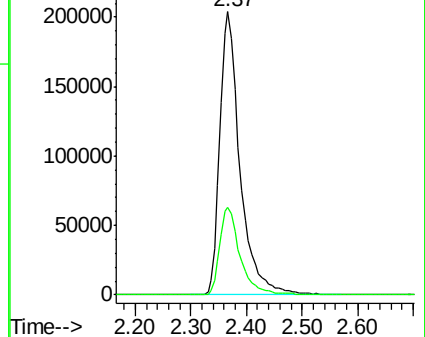
62 100

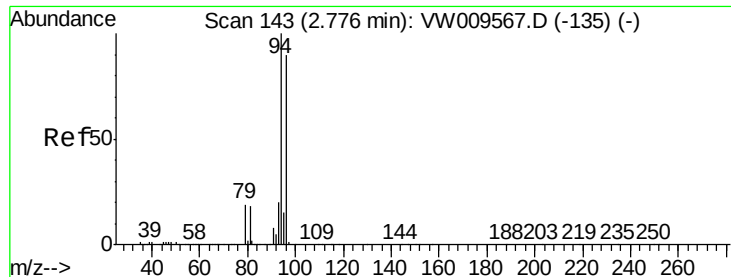
64 31.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 144.188 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 373938

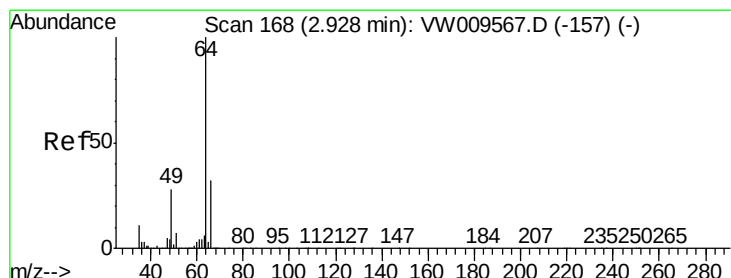
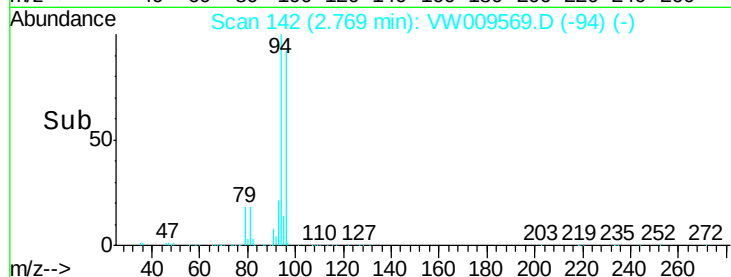
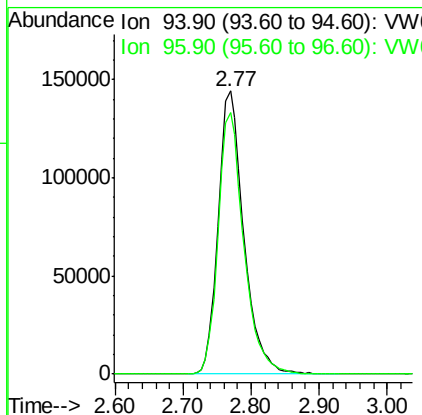
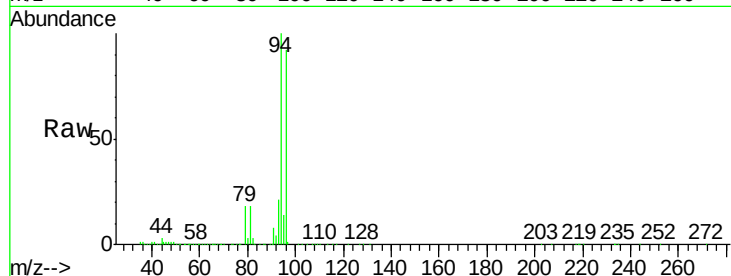
Ion Ratio Lower Upper

94 100

96 92.5 71.4 107.2

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#6

Chloroethane

Concen: 139.552 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW009569.D

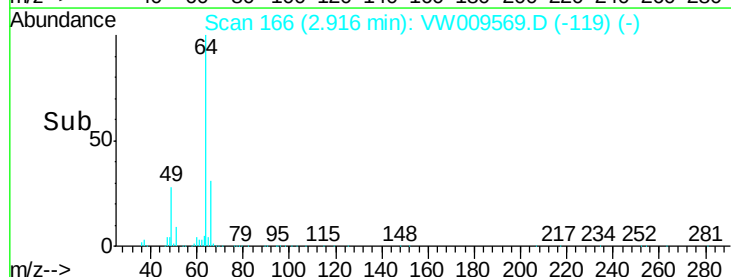
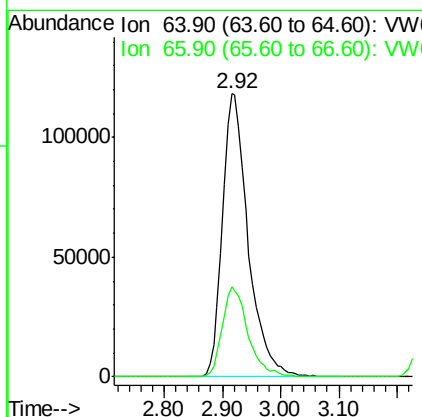
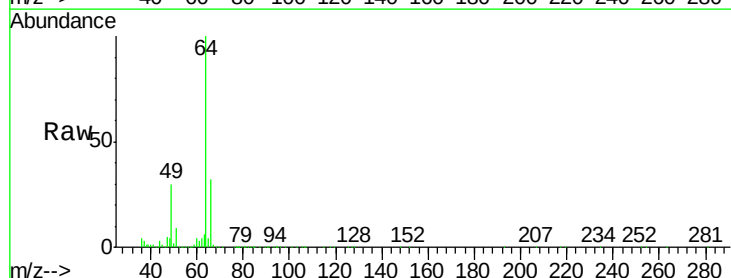
Acq: 29 Mar 2019 12:10

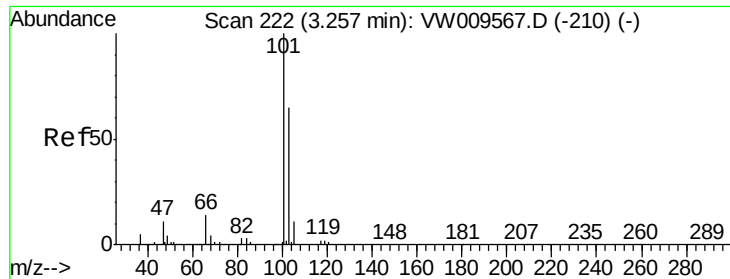
Tgt Ion: 64 Resp: 362217

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2





#7

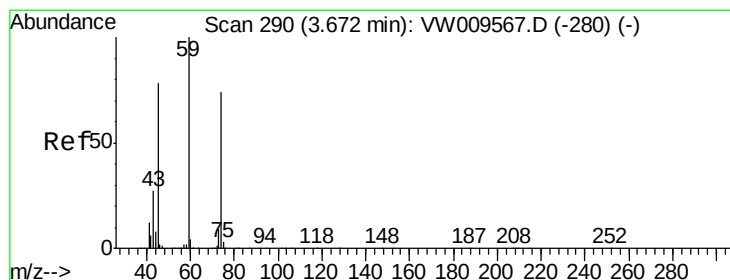
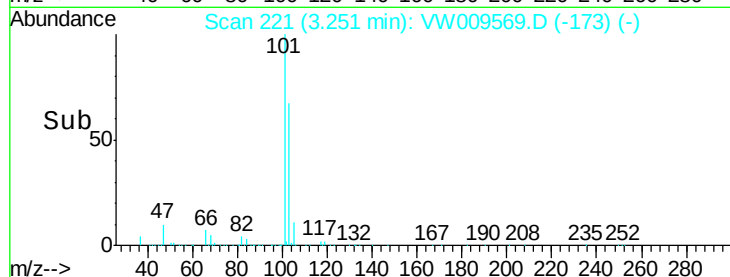
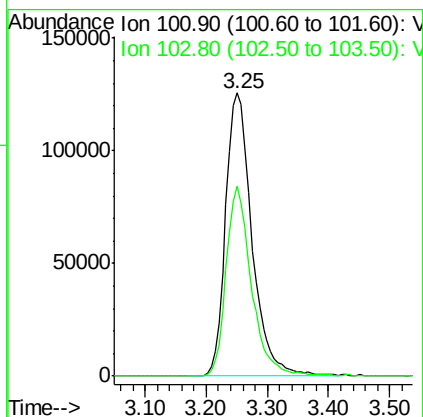
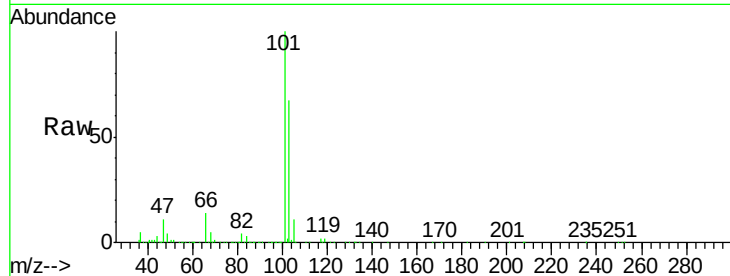
Trichlorofluoromethane
Concen: 157.989 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	50.5	75.7

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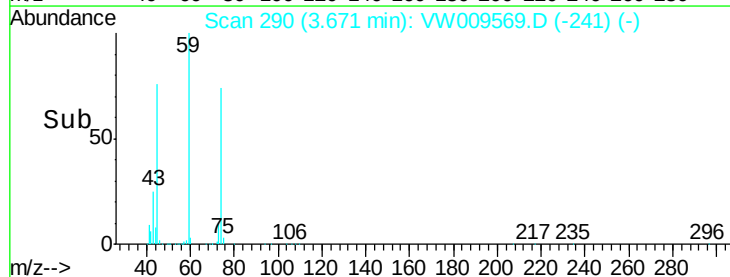
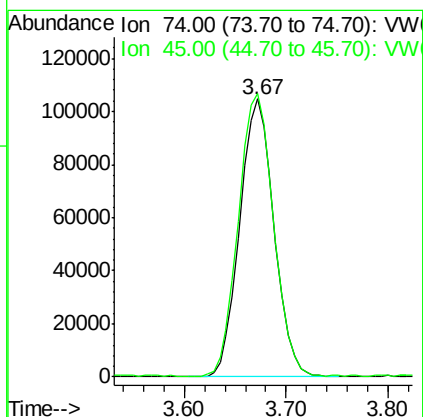
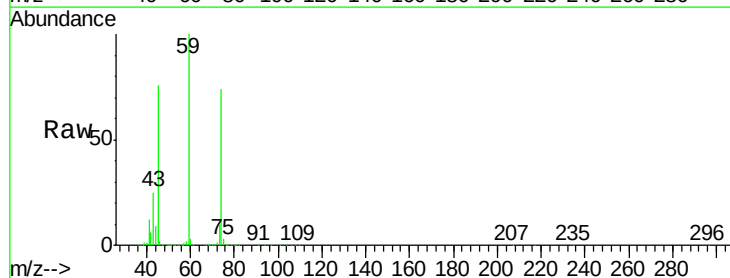
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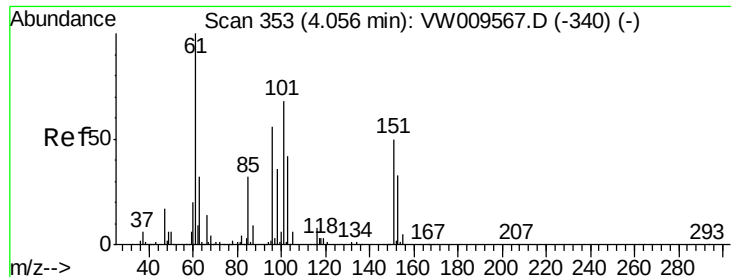


#8

Diethyl Ether
Concen: 145.398 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.528 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

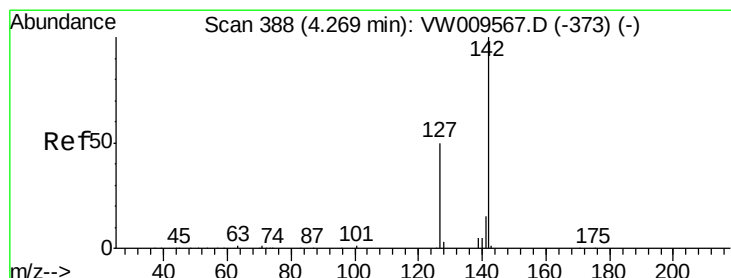
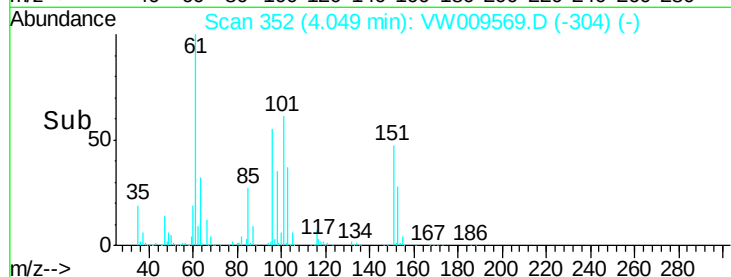
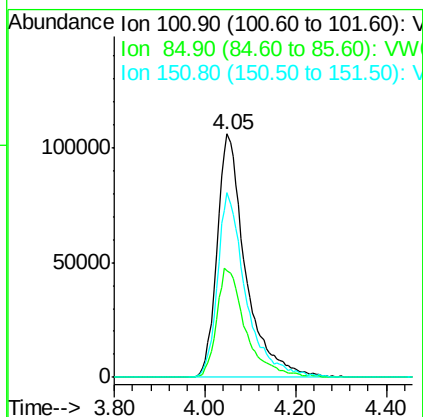
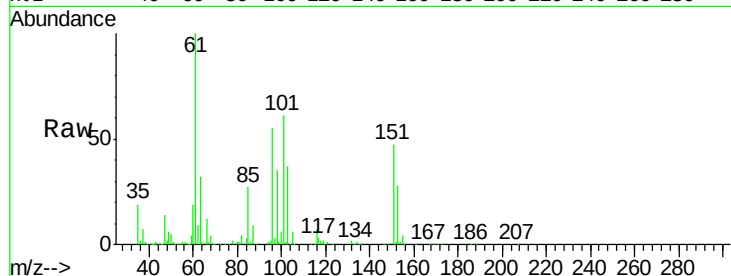
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	462929
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.1	52.7
151	75.1	62.9	94.3

Manual Integrations
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#10

Methyl Iodide

Concen: 144.163 ug/l

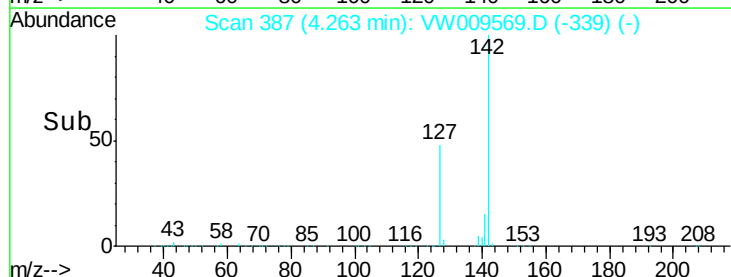
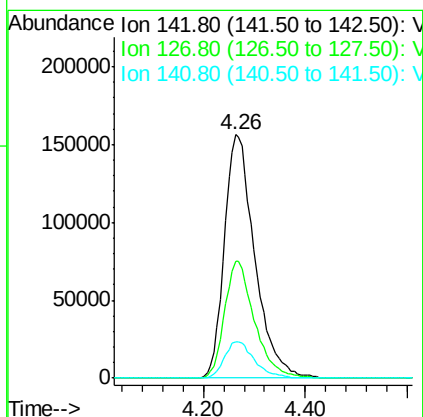
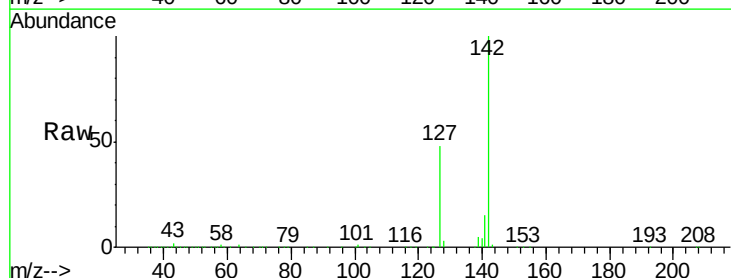
RT: 4.26 min Scan# 387

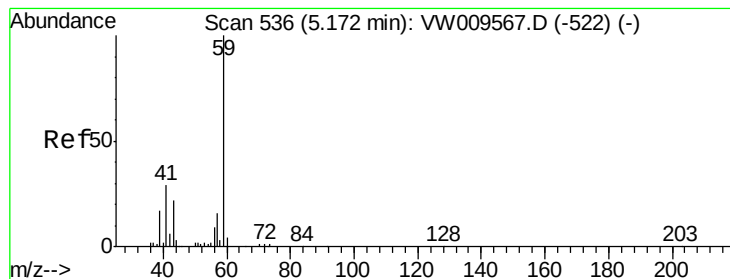
Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion:	142	Resp:	644168
Ion Ratio	Lower	Upper	
142	100		
127	47.4	35.9	53.9
141	14.7	11.4	17.2





#11

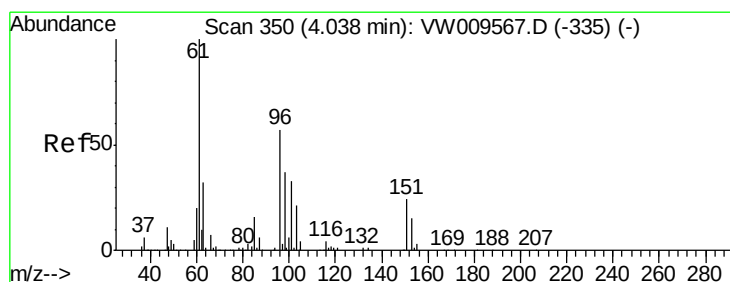
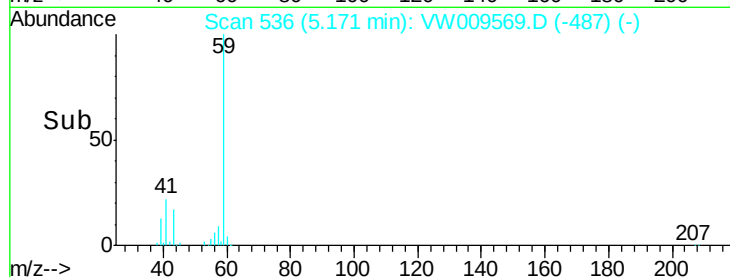
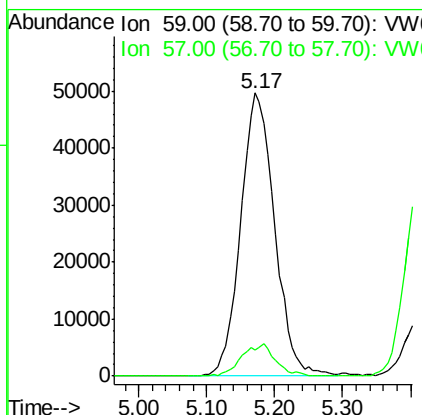
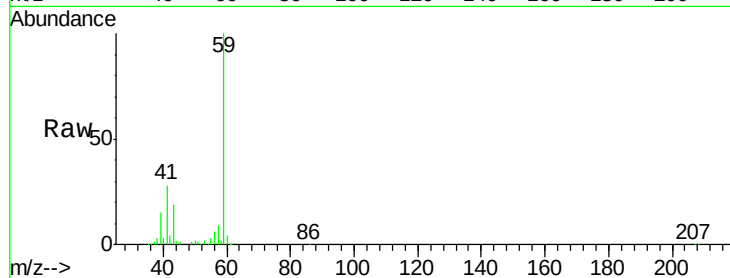
Tert butyl alcohol
 Concen: 832.429 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.4	14.0

Manual Integrations
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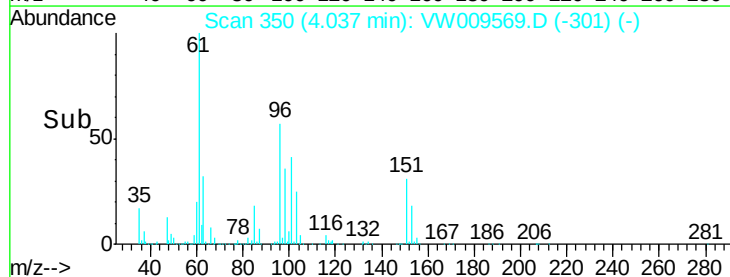
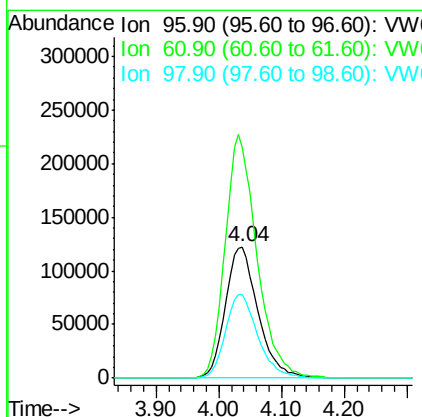
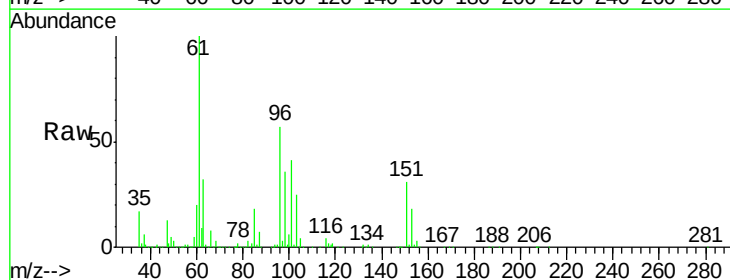
MMDadoda
 4/1/2019 4:04:48 AM

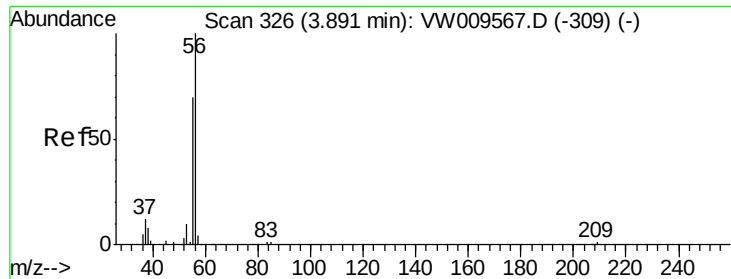


#12

1,1-Dichloroethene
 Concen: 145.883 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.9	138.0	207.0
98	63.9	49.8	74.8





#13

Acrolein

Concen: 748.862 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 117420

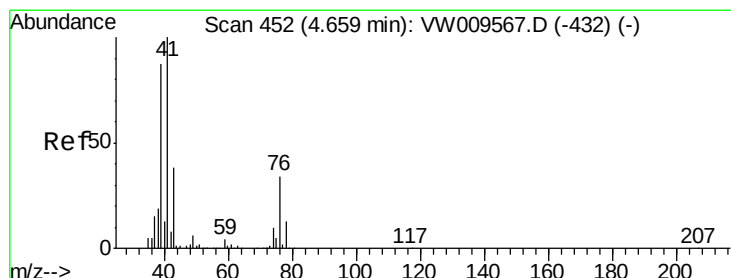
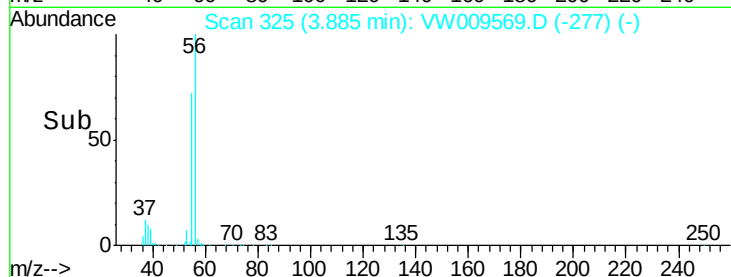
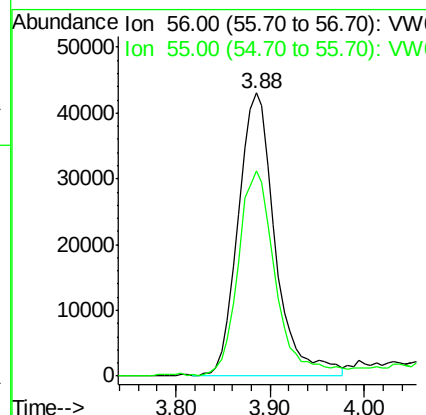
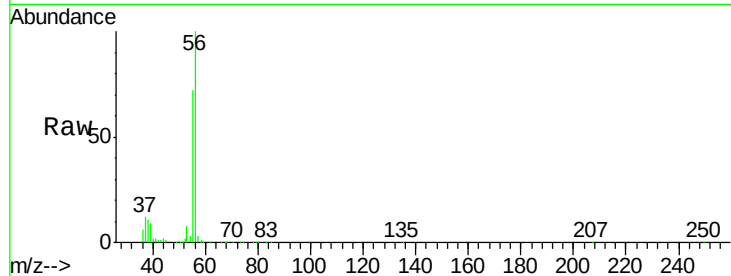
Ion Ratio Lower Upper

56 100

55 71.5 55.2 82.8

Manual Integrations
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#14

Allyl chloride

Concen: 150.595 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

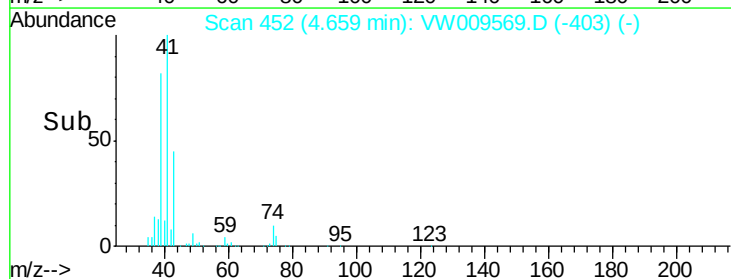
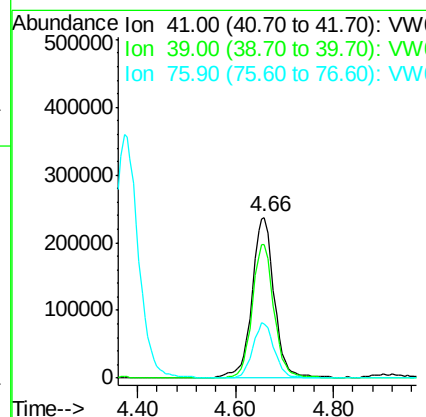
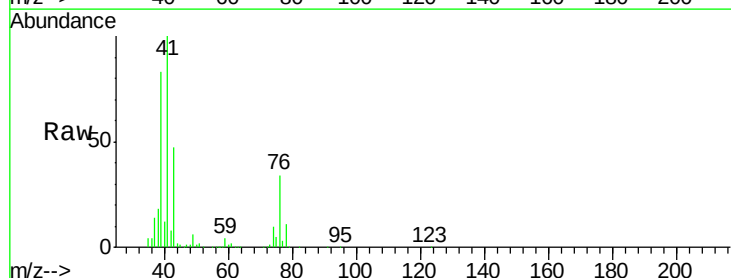
Tgt Ion: 41 Resp: 749722

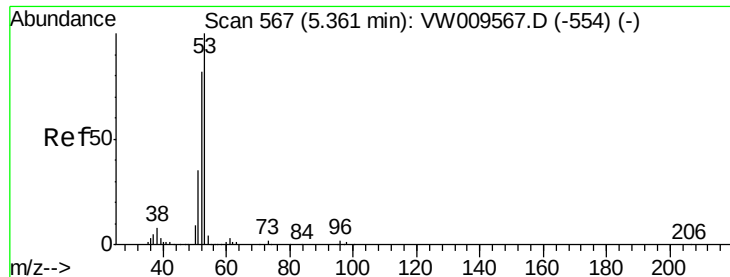
Ion Ratio Lower Upper

41 100

39 80.7 63.8 95.6

76 33.0 27.8 41.6





#15

Acrylonitrile

Concen: 805.030 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

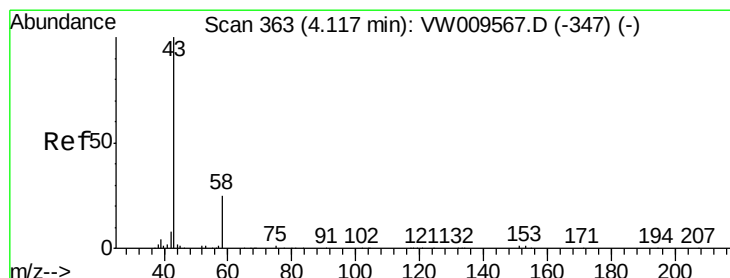
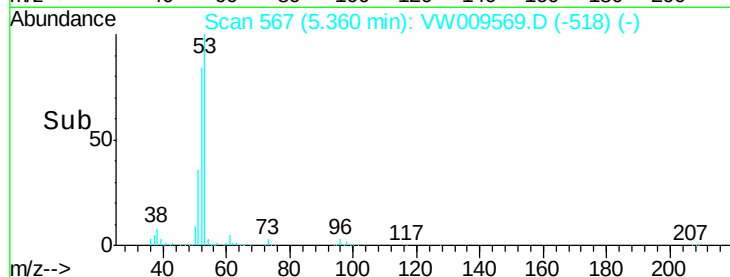
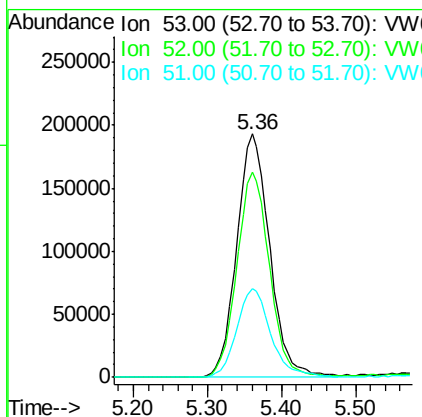
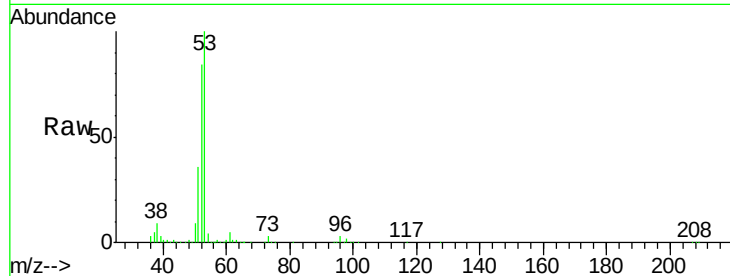
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	600481
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.6	101.4
51	37.8	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 755.296 ug/l

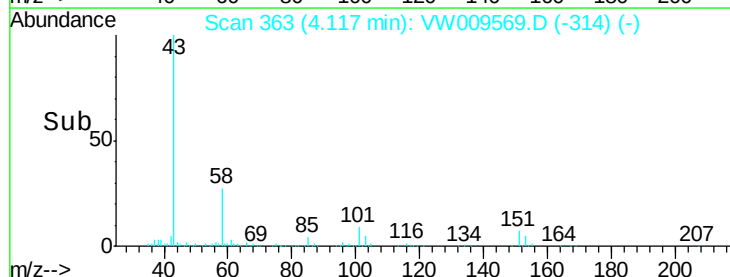
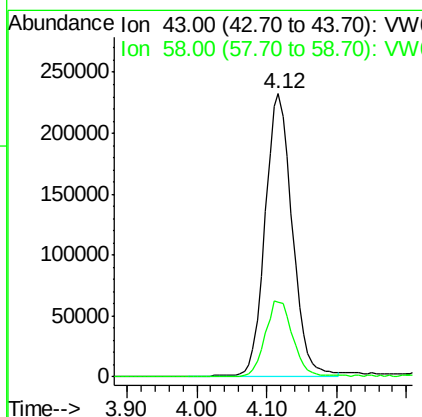
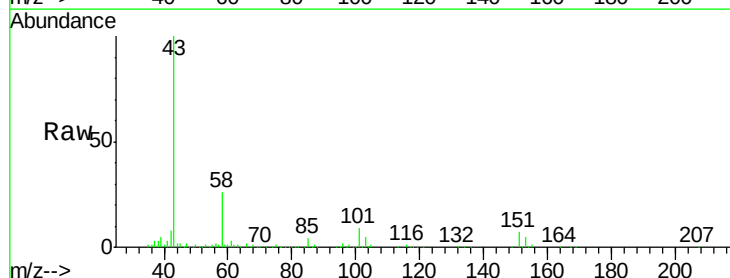
RT: 4.12 min Scan# 363

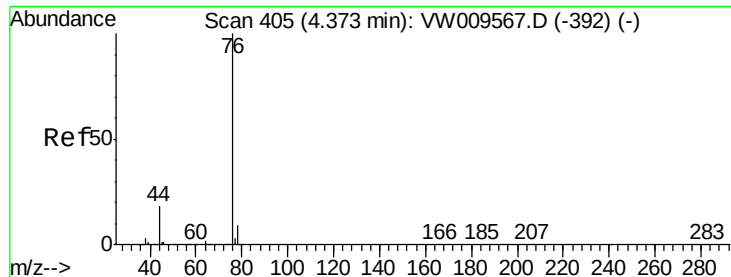
Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion:	43	Resp:	630643
Ion	Ratio	Lower	Upper
43	100		
58	26.4	23.6	35.4





#17

Carbon Disulfide

Concen: 145.072 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1223102

Ion Ratio Lower Upper

76 100

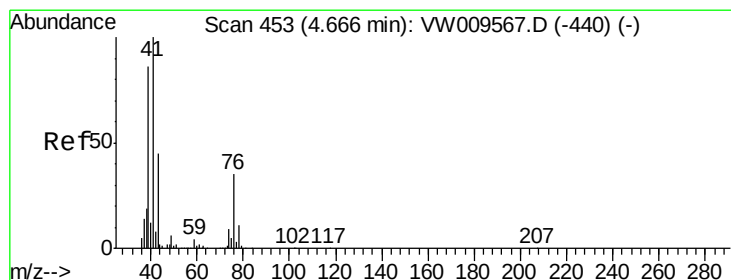
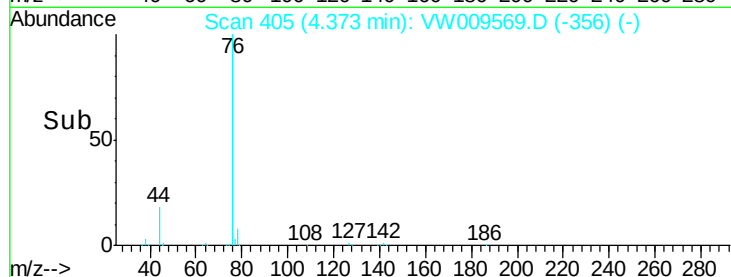
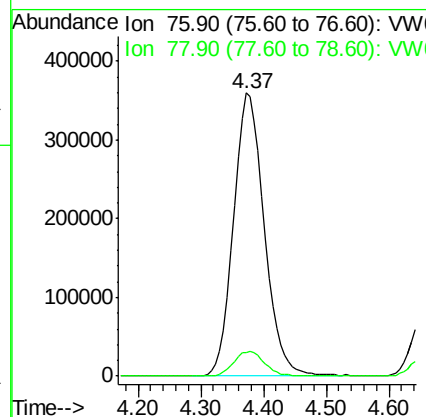
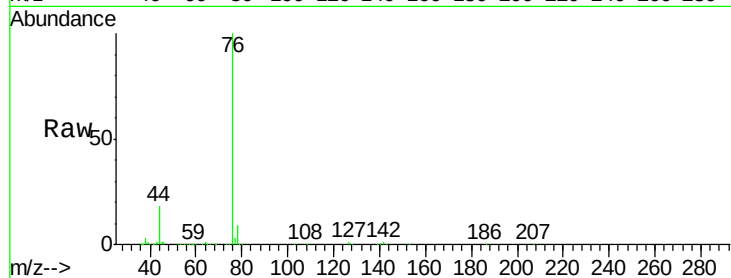
78 8.5 6.6 9.8

Manual Integrations

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4/1/2019 4:04:48 AM



#18

Methyl Acetate

Concen: 164.654 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009569.D

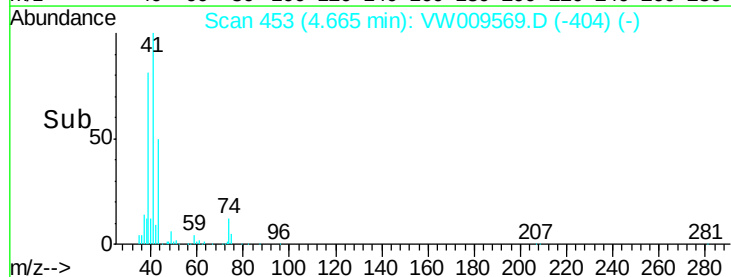
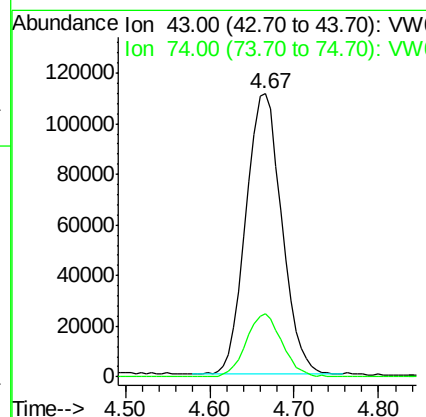
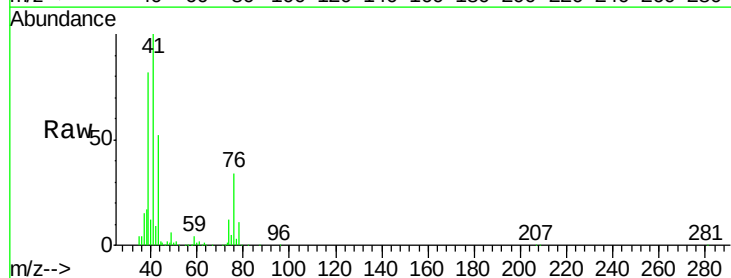
Acq: 29 Mar 2019 12:10

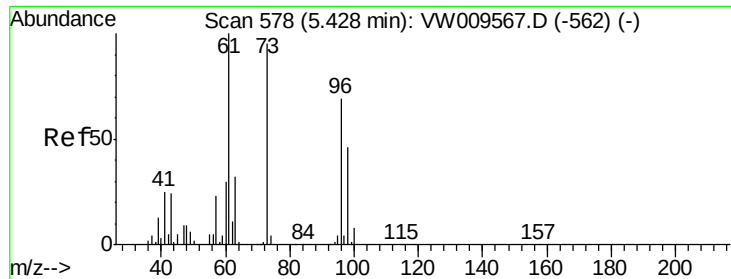
Tgt Ion: 43 Resp: 321115

Ion Ratio Lower Upper

43 100

74 22.3 17.7 26.5





#19

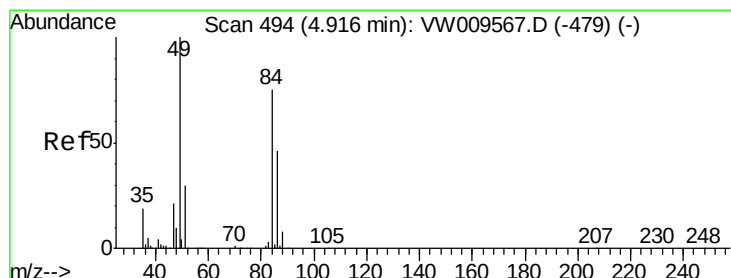
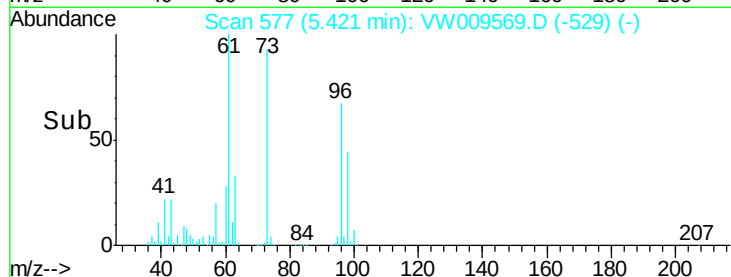
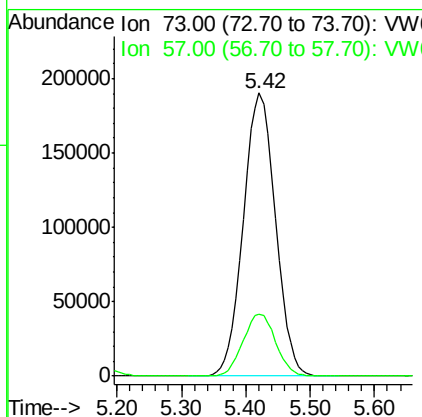
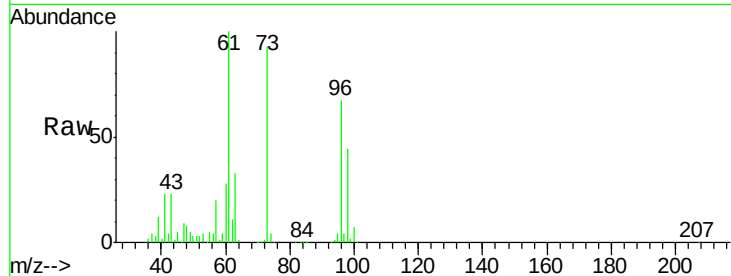
Methyl tert-butyl Ether
 Concen: 149.710 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.0	25.6

Manual Integrations
 APPROVED

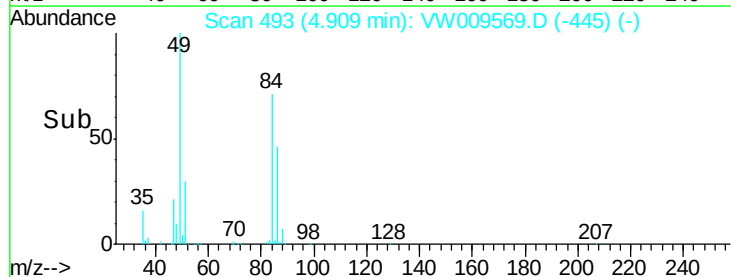
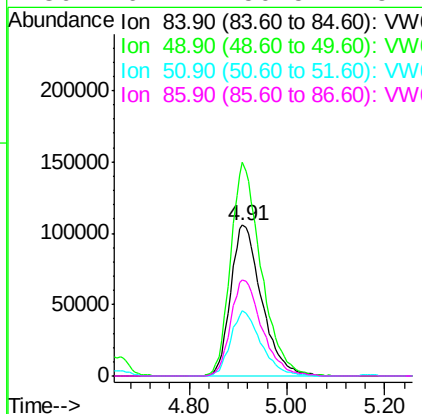
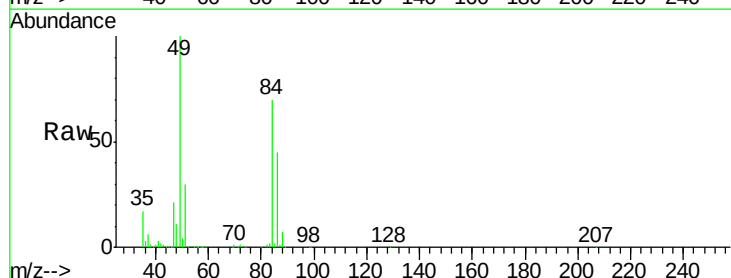
MMDadoda
 4/1/2019 4:04:48 AM

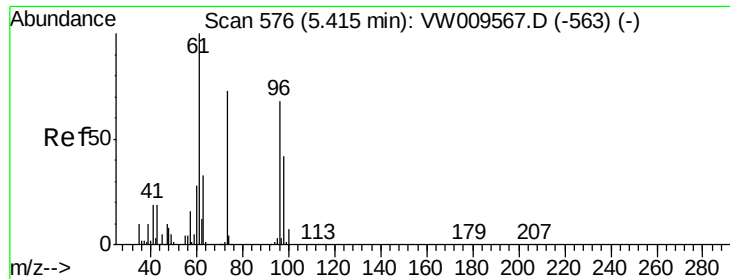


#20

Methylene Chloride
 Concen: 141.065 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.8	99.1	148.7
51	43.0	28.7	43.1
86	64.2	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 148.672 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

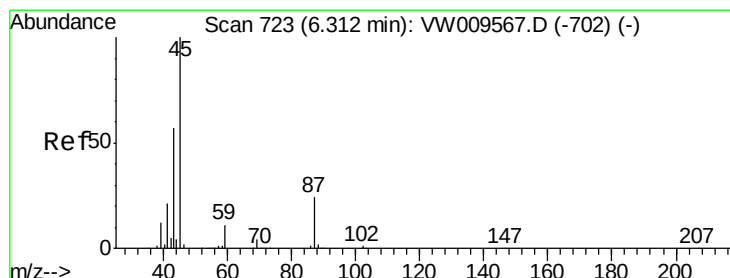
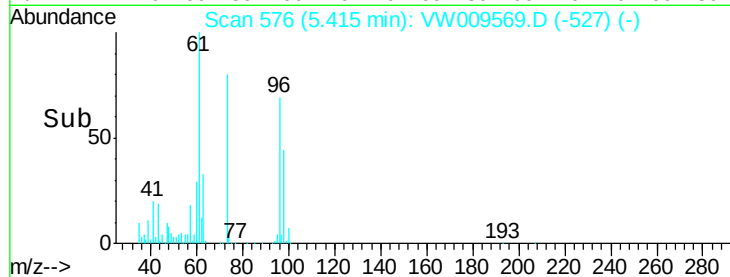
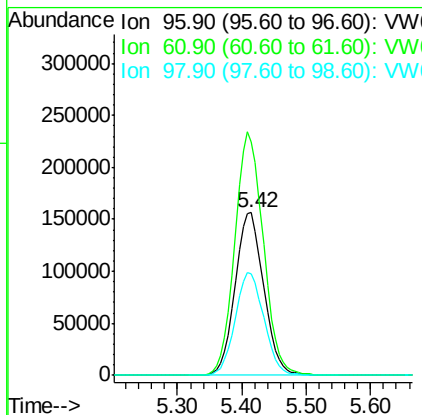
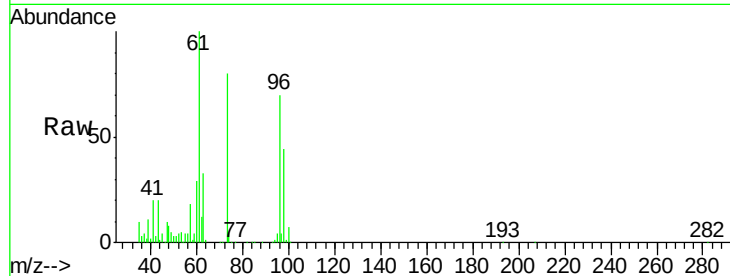
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	482244
Ion	Ratio	Lower	Upper
96	100		
61	143.9	108.2	162.4
98	62.9	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 156.817 ug/l

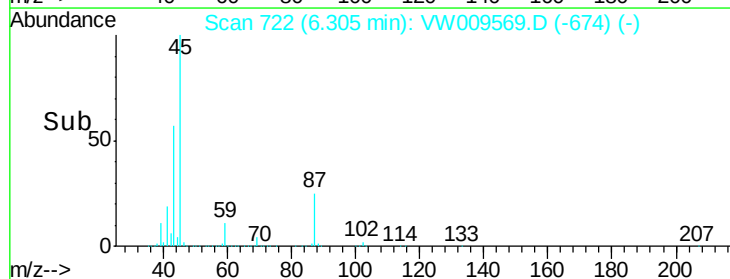
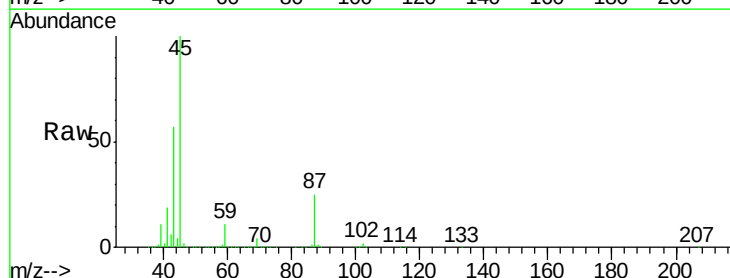
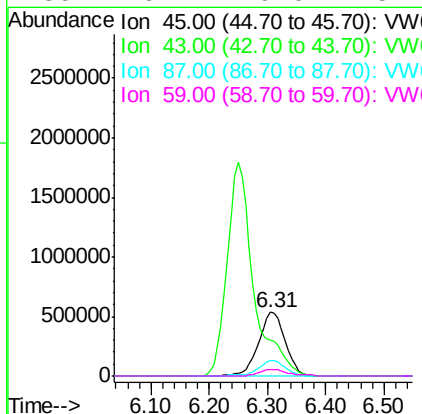
RT: 6.31 min Scan# 722

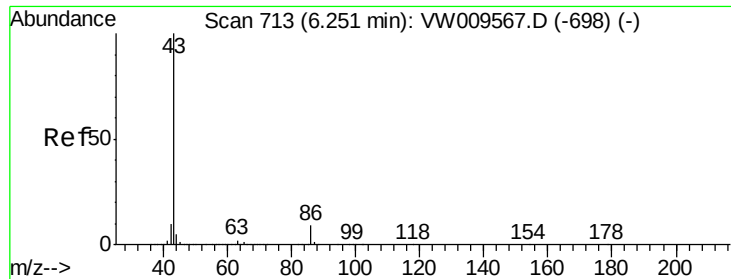
Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion:	45	Resp:	1705584
Ion	Ratio	Lower	Upper
45	100		
43	56.9	47.9	71.9
87	24.4	20.6	30.8
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 831.283 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5697862

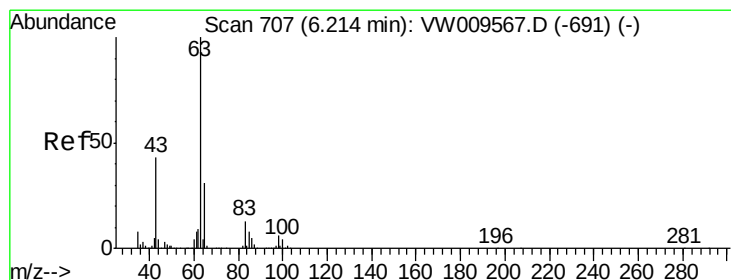
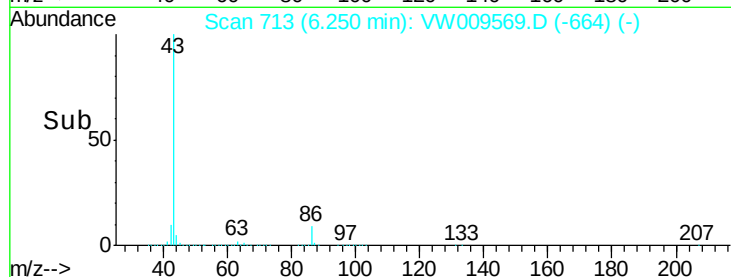
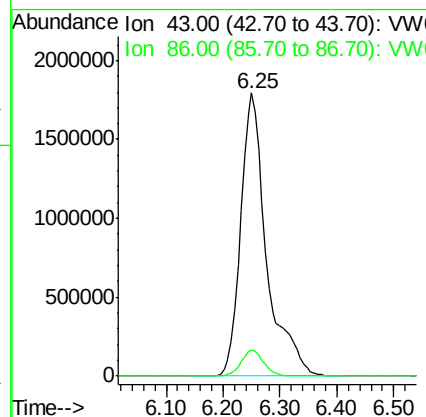
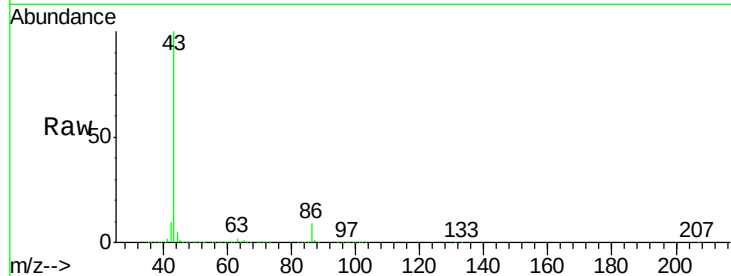
Ion Ratio Lower Upper

43 100

86 9.2 7.7 11.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 148.631 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

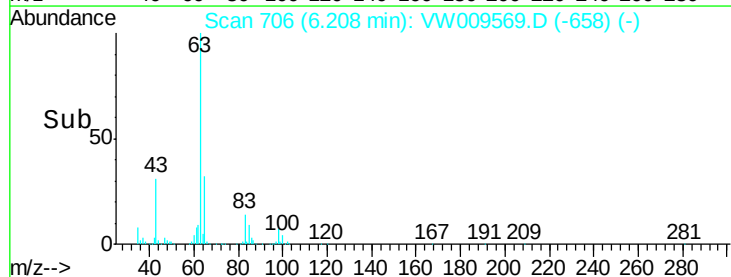
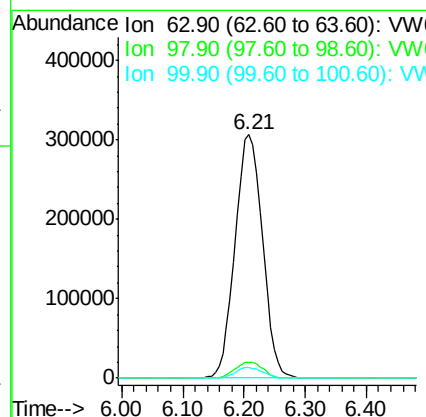
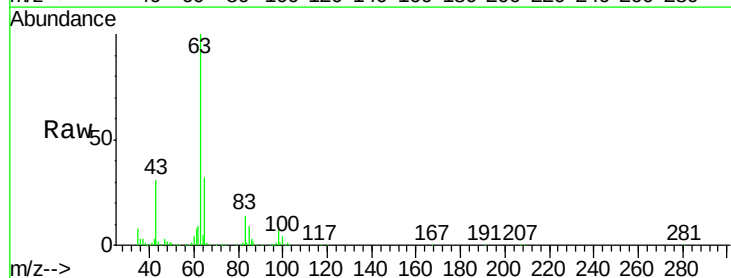
Tgt Ion: 63 Resp: 947116

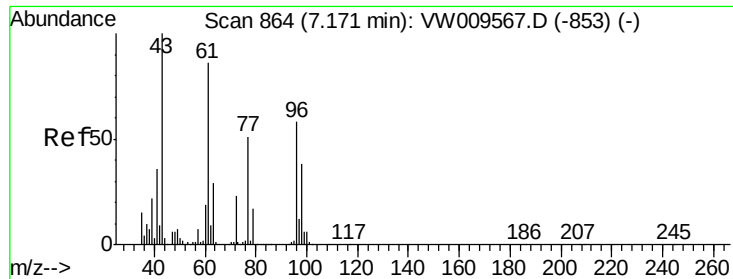
Ion Ratio Lower Upper

63 100

98 6.7 3.7 11.1

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 837.053 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 951530

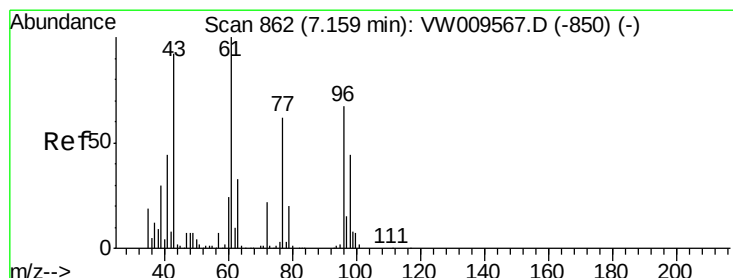
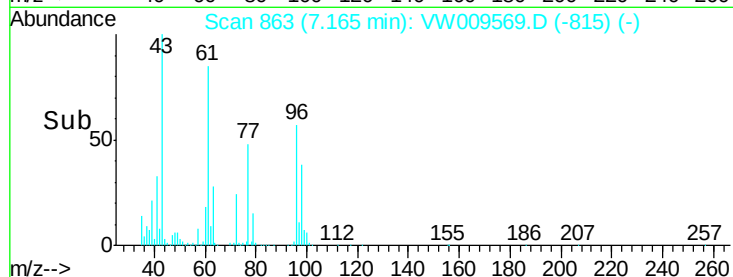
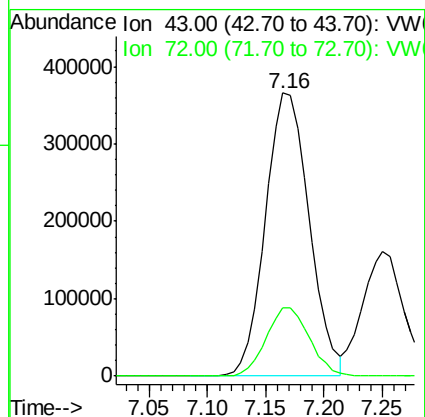
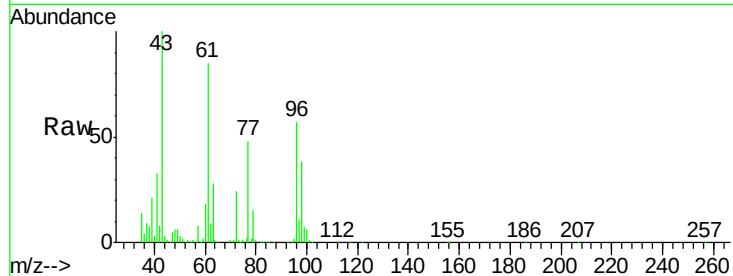
Ion Ratio Lower Upper

43 100

72 24.0 20.0 30.0

Manual Integrations
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4/1/2019 4:04:48 AM



#26

2,2-Dichloropropane

Concen: 141.713 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW009569.D

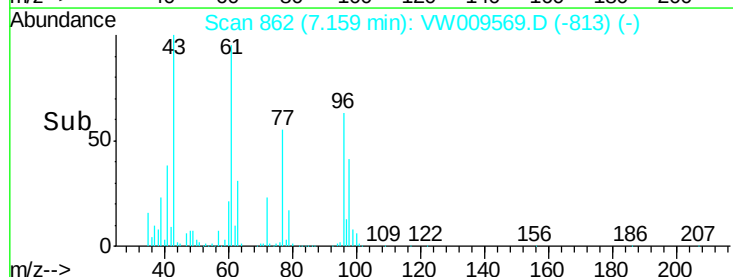
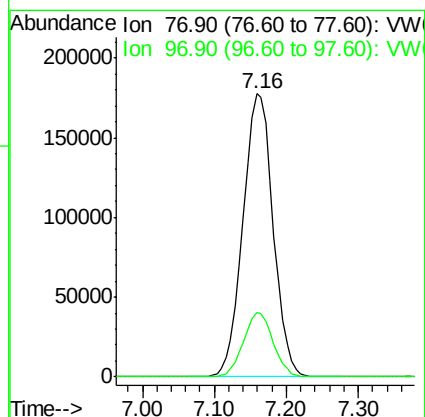
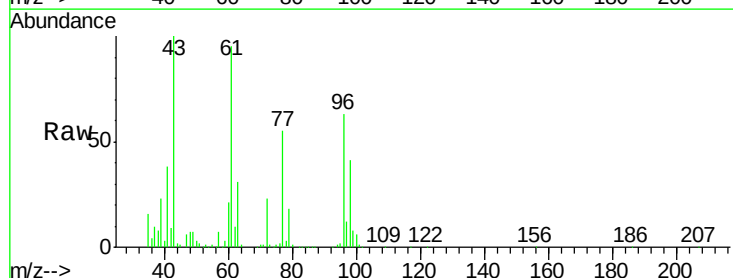
Acq: 29 Mar 2019 12:10

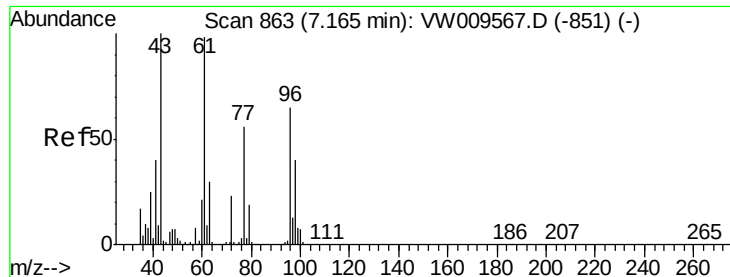
Tgt Ion: 77 Resp: 516662

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

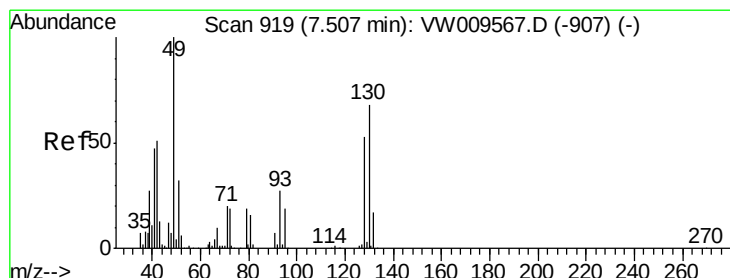
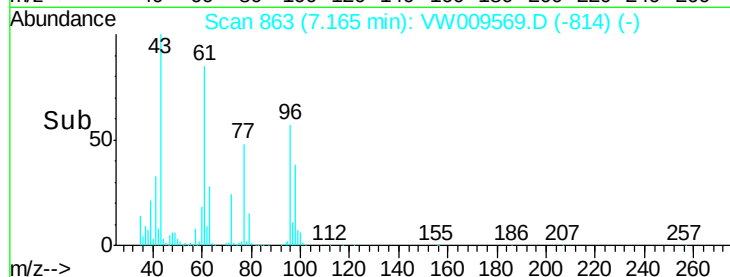
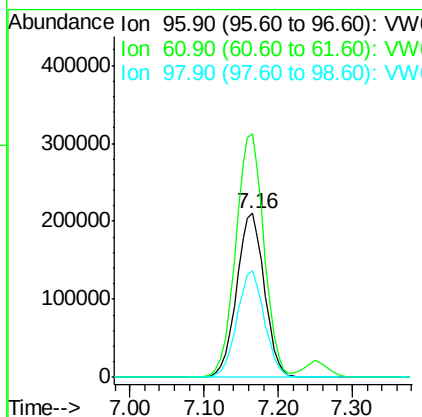
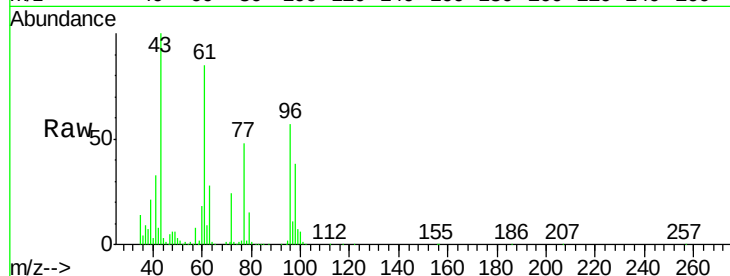
cis-1,2-Dichloroethene
Concen: 152.952 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	549524		
61	151.1		0.0	289.8
98	64.3		0.0	130.8

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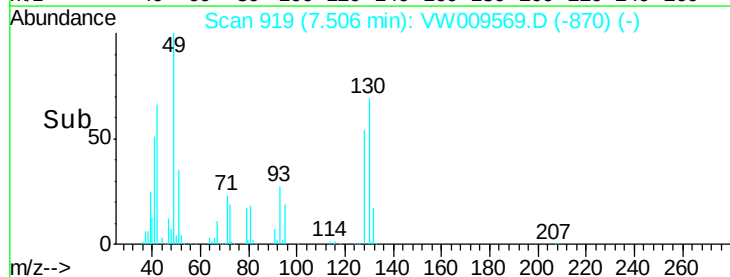
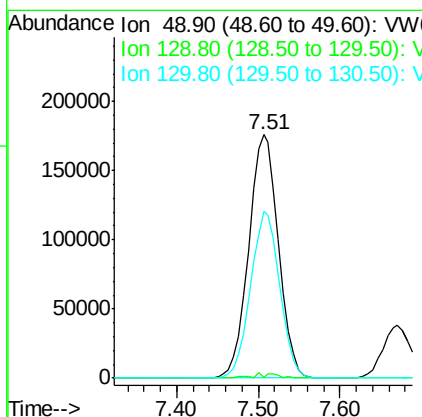
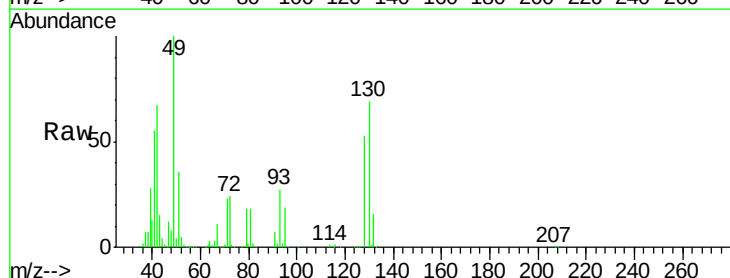
MMDadoda
4/1/2019 4:04:48 AM

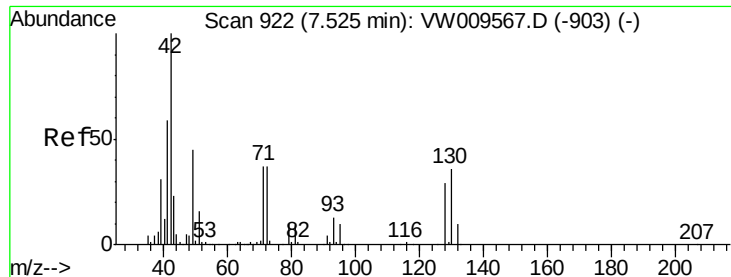


#28

Bromochloromethane
Concen: 165.746 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	445685		
129	0.9		0.0	1.4
130	67.6		58.6	88.0





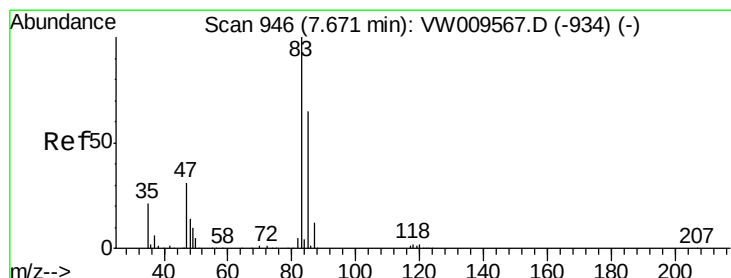
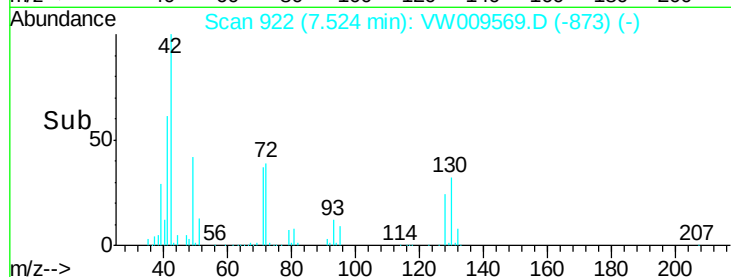
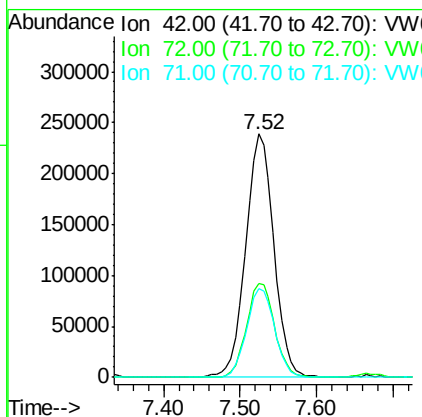
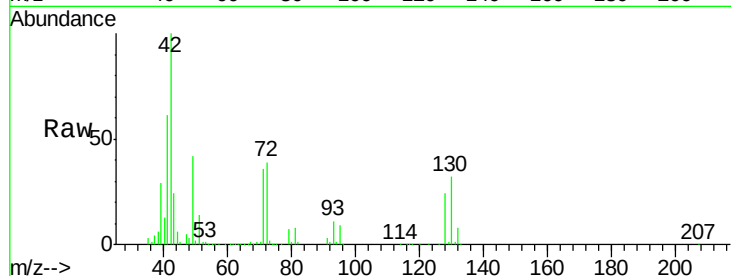
#29
Tetrahydrofuran
Concen: 858.155 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	32.4	48.6
71	36.7	30.1	45.1

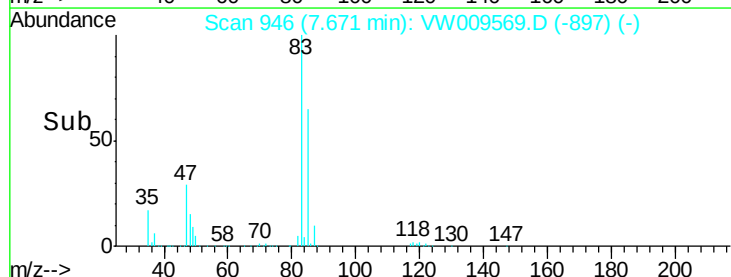
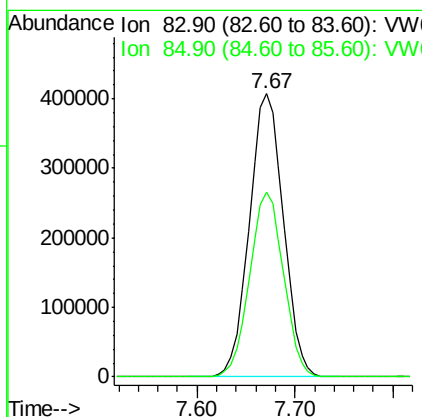
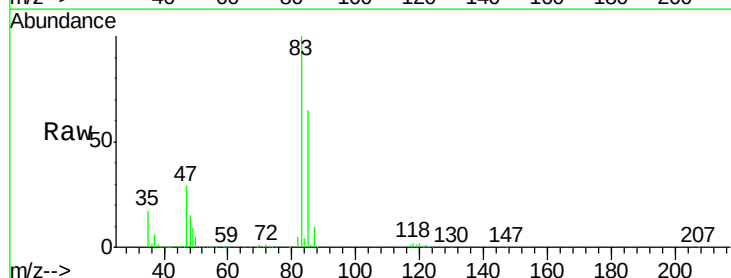
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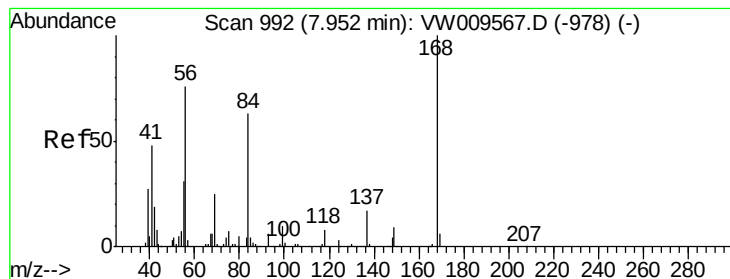
MMDadoda
4/1/2019 4:04:48 AM



#30
Chloroform
Concen: 149.938 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.6





#31

Cyclohexane

Concen: 146.601 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 833946

Ion Ratio Lower Upper

56 100

69 30.9 26.1 39.1

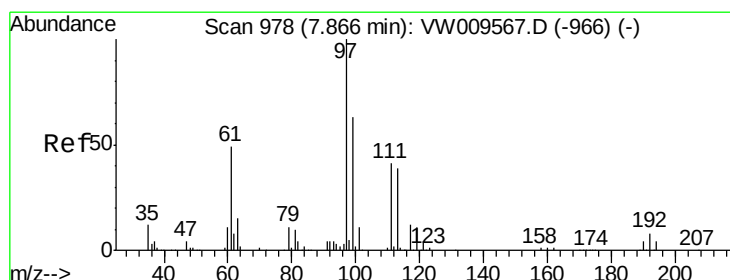
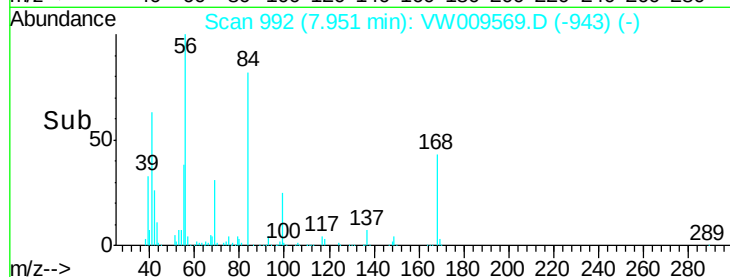
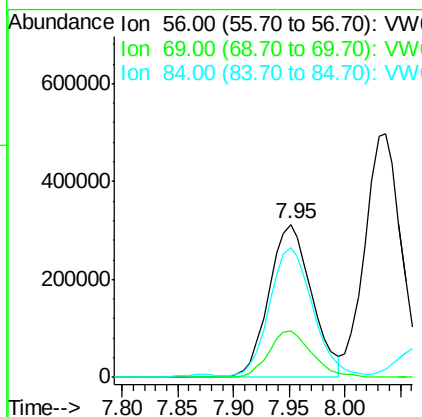
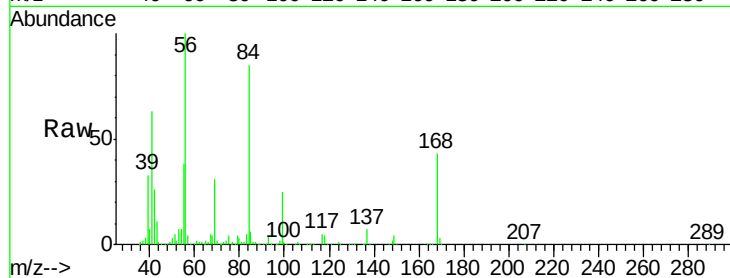
84 83.5 68.6 103.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 145.416 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

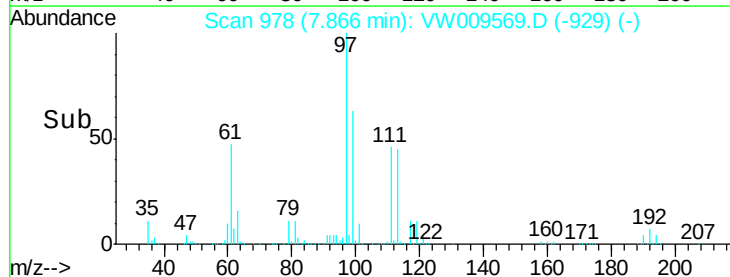
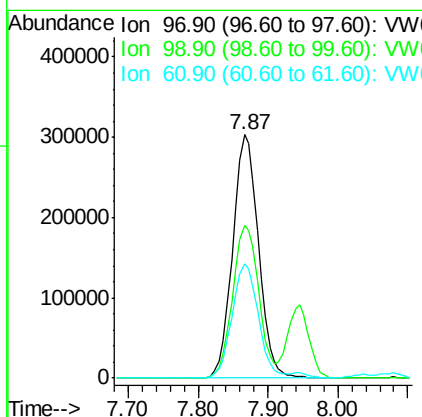
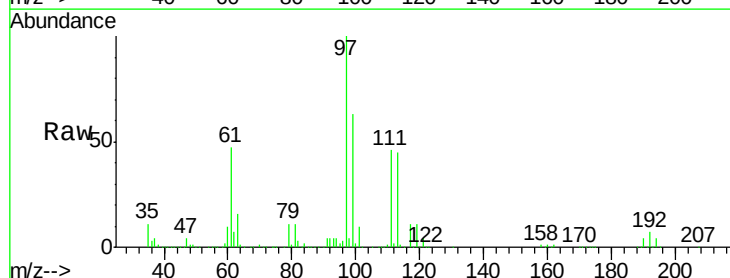
Tgt Ion: 97 Resp: 776058

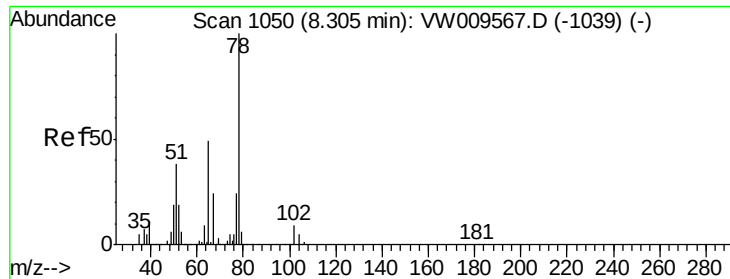
Ion Ratio Lower Upper

97 100

99 63.5 51.9 77.9

61 47.6 36.8 55.2





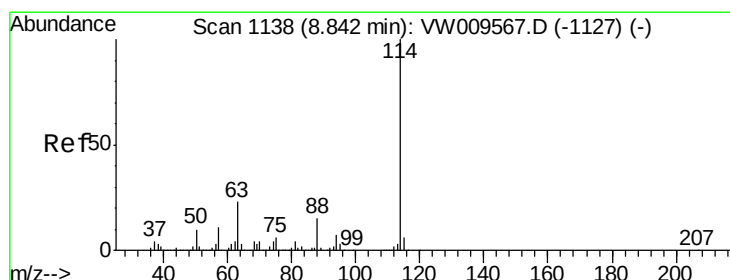
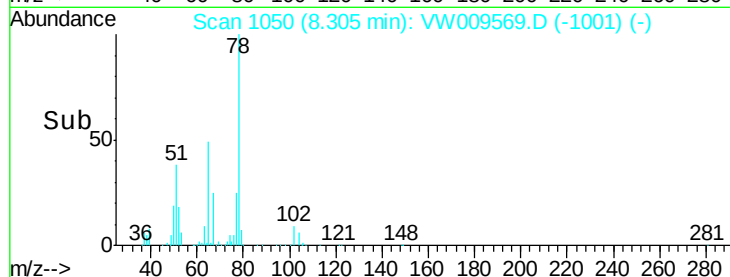
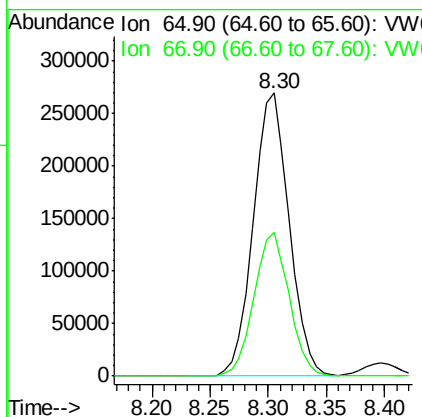
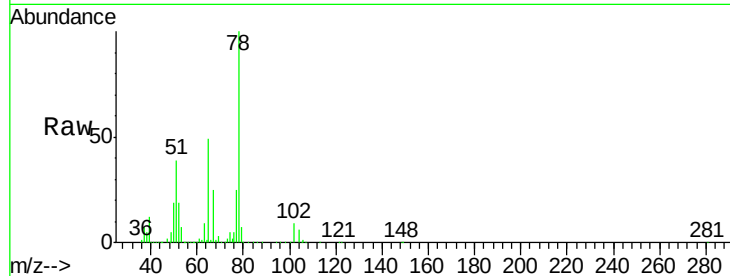
#33
 1,2-Dichloroethane-d4
 Concen: 154.193 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	102.4

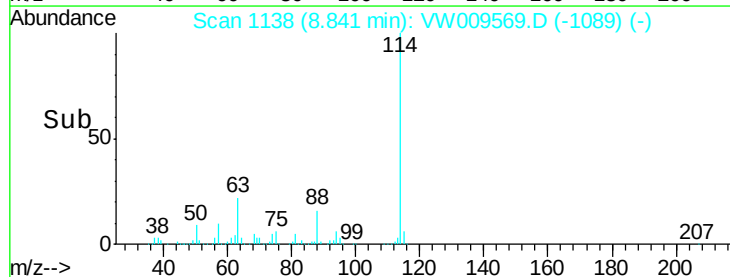
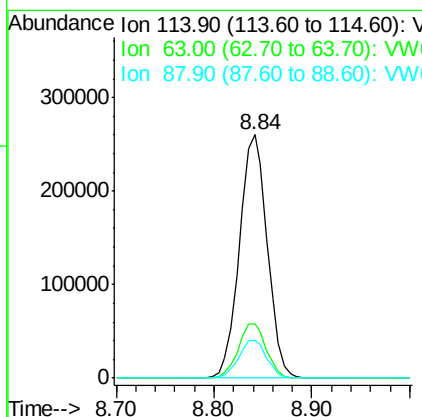
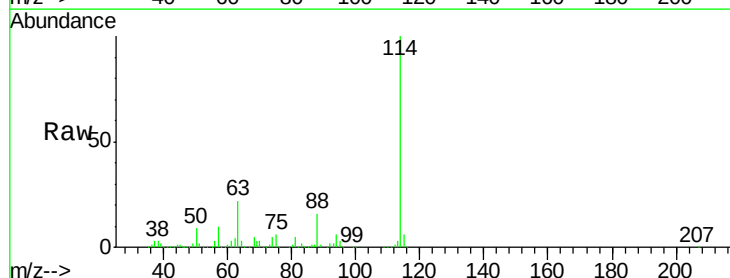
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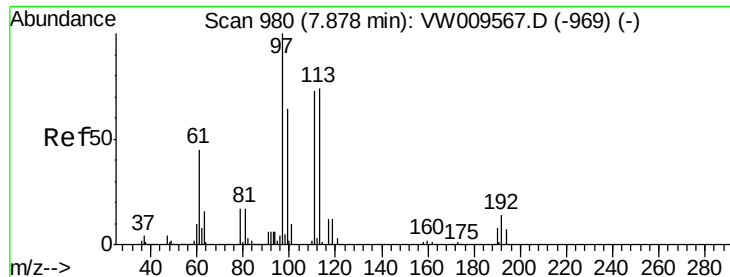
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 4/1/2019 4:04:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	42.2
88	15.6	0.0	30.8





#35

Dibromofluoromethane

Concen: 149.685 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

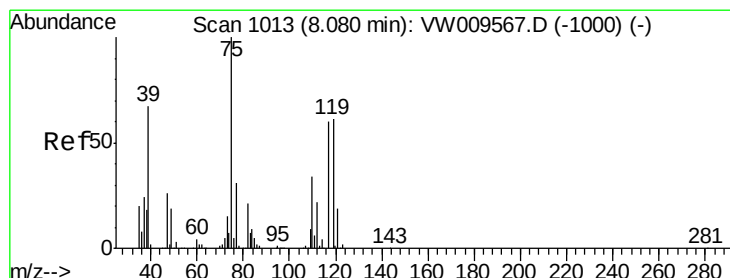
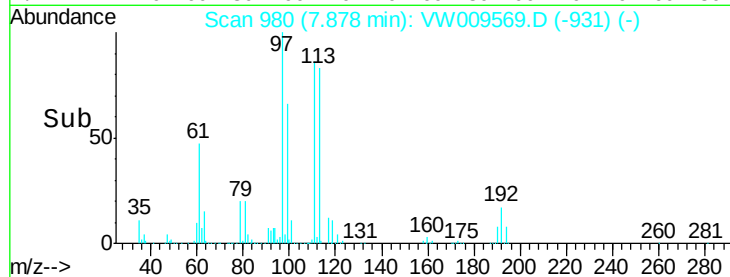
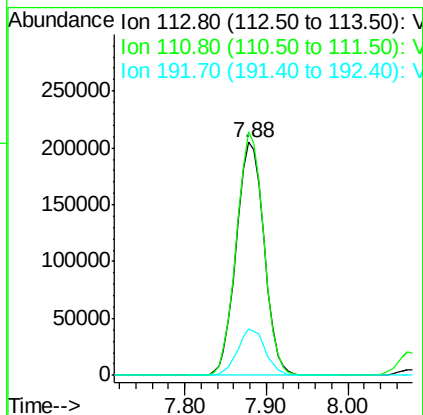
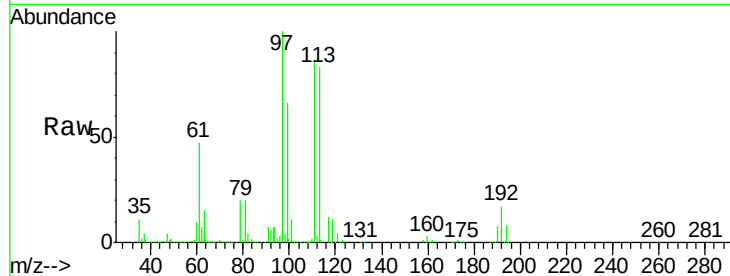
ClientSampleId :

VSTDICC150

Tot Ion:	113	Resp:	484406
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	124.0
192	19.6	16.4	24.6

Manual Integrations
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4/1/2019 4:04:48 AM



#36

1,1-Dichloropropene

Concen: 140.923 ug/l

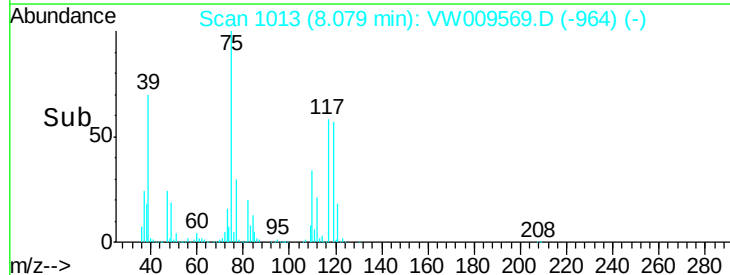
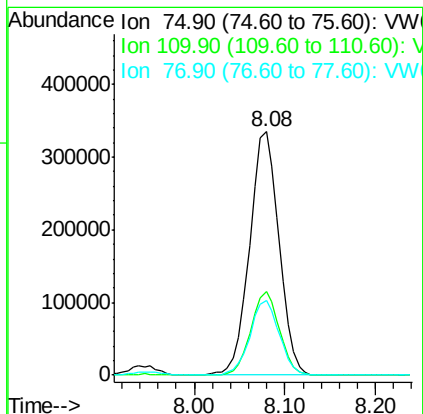
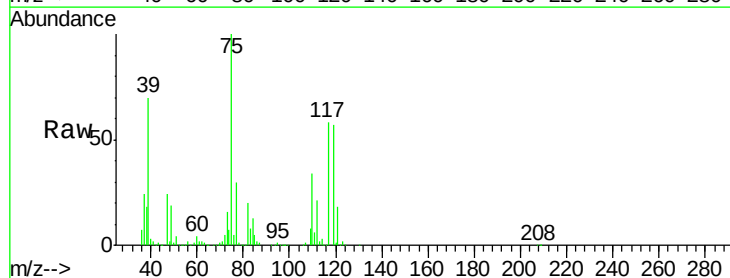
RT: 8.08 min Scan# 1013

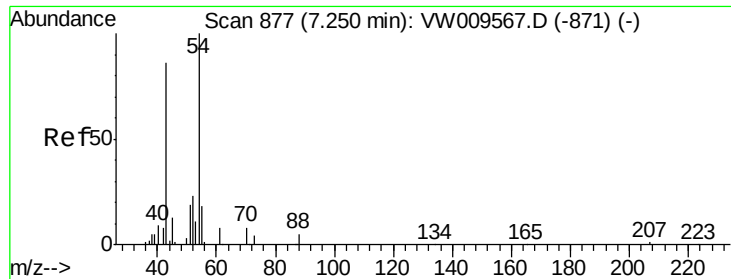
Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion:	75	Resp:	751914
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.8	50.4
77	30.8	24.6	36.8





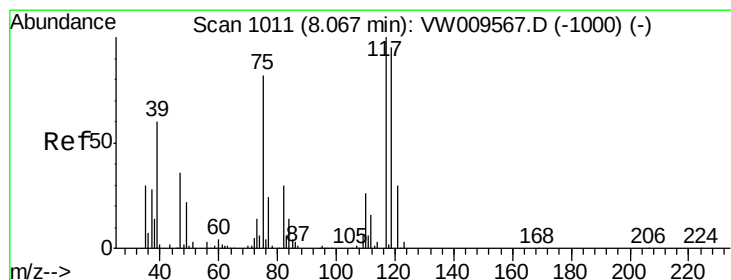
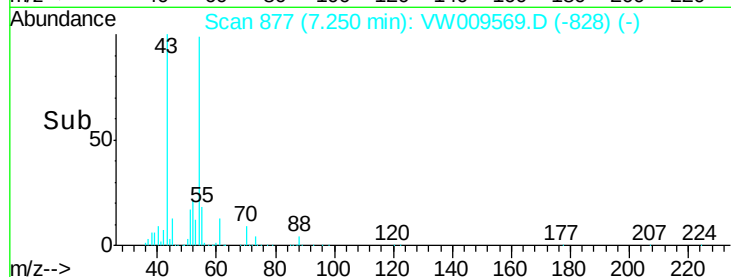
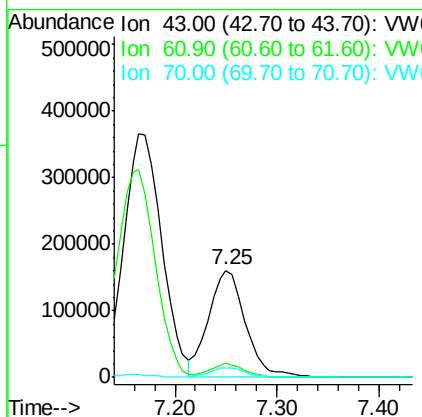
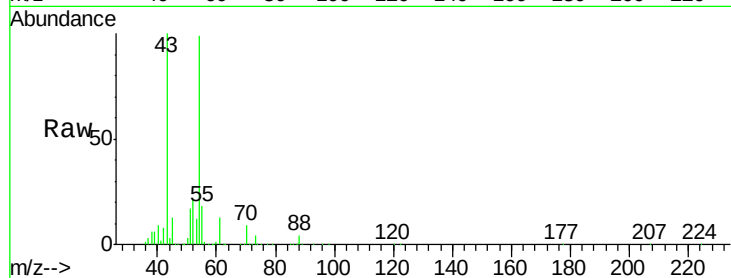
#37
Ethyl Acetate
Concen: 161.244 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.0	15.0
70	9.1	7.3	10.9

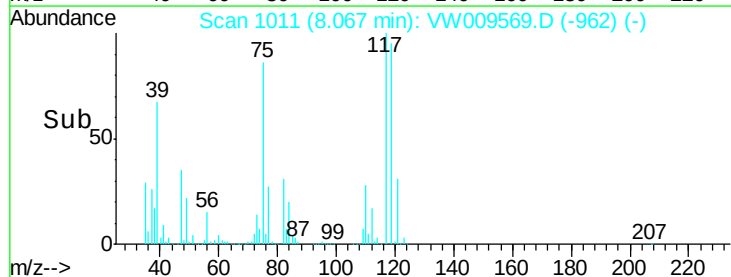
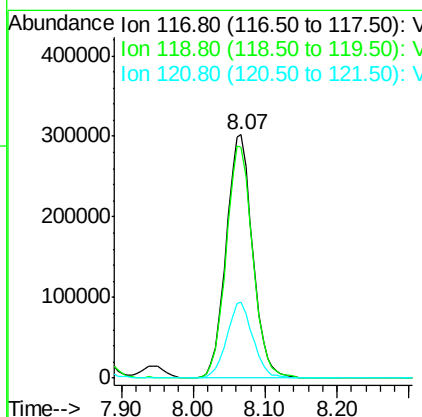
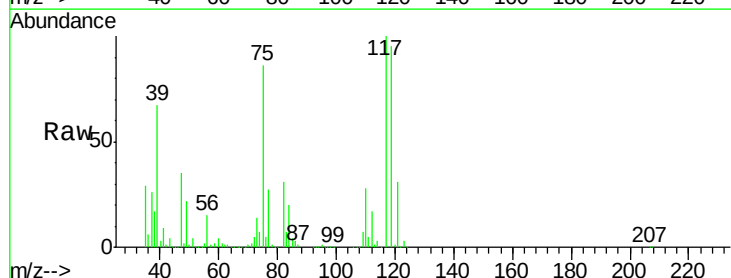
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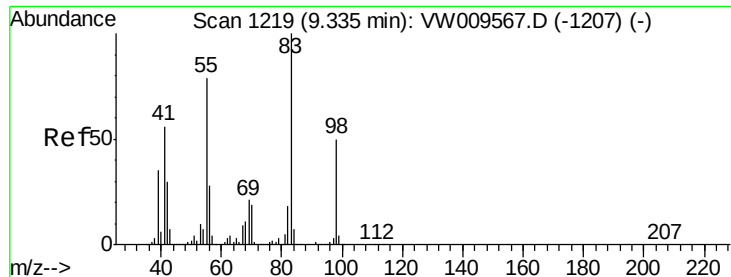
MMDadoda
4/1/2019 4:04:48 AM



#38
Carbon Tetrachloride
Concen: 142.474 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.4	113.0
121	31.1	24.9	37.3





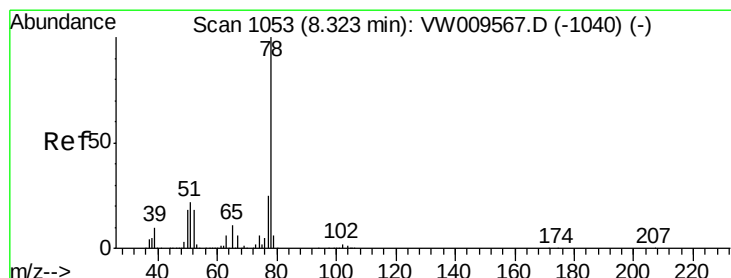
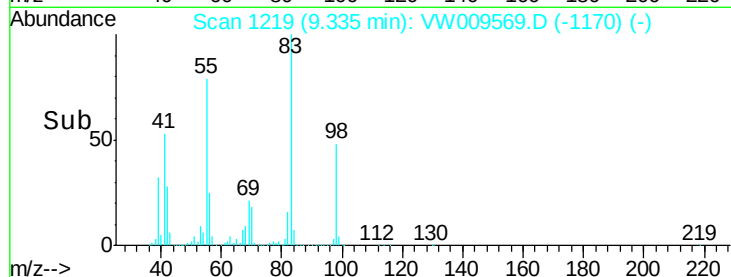
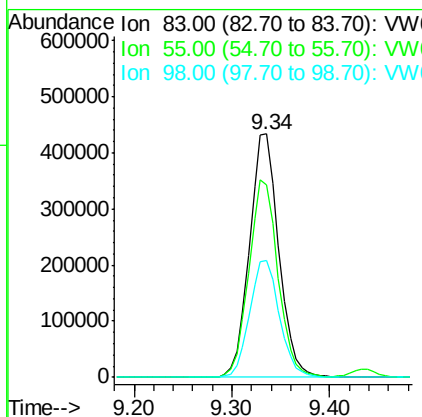
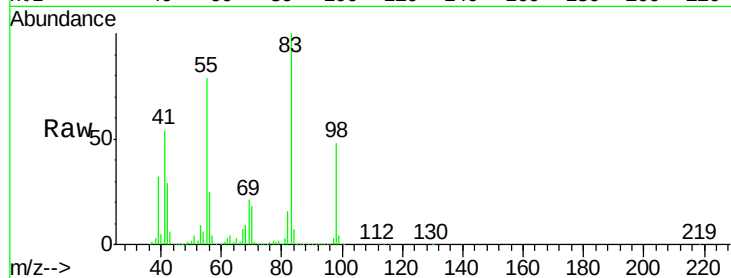
#39
Methylvlcyclohexane
Concen: 146.863 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	61.1	91.7
98	47.9	39.0	58.4

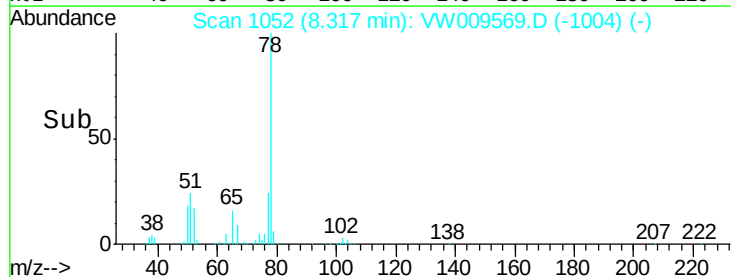
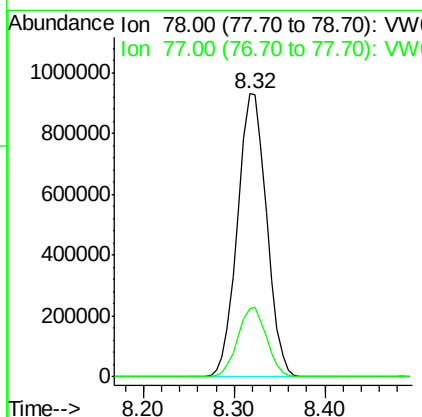
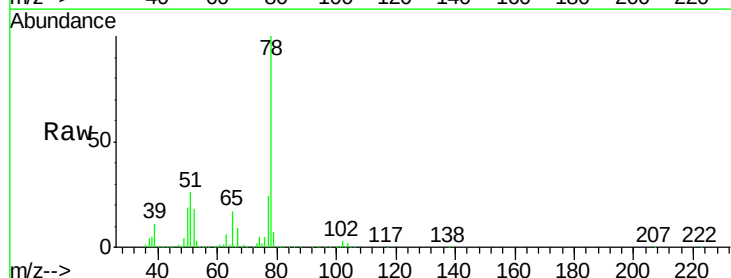
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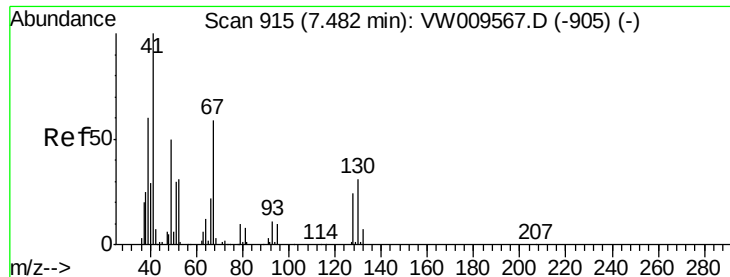
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#40
Benzene
Concen: 143.707 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.8	29.6





#41

Methacrylonitrile

Concen: 173.777 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

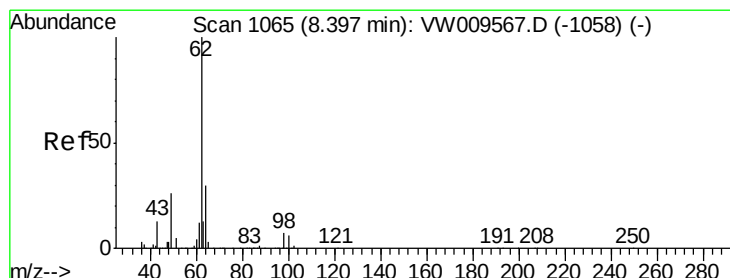
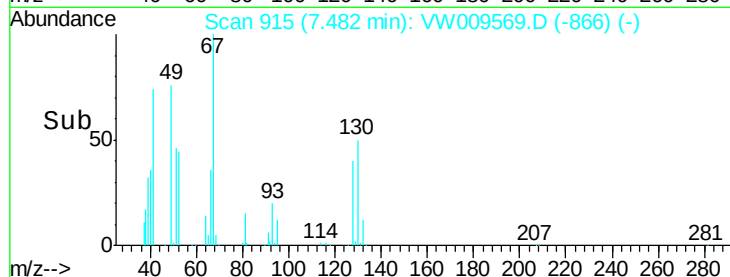
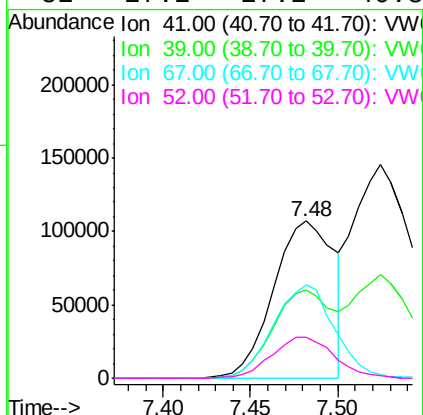
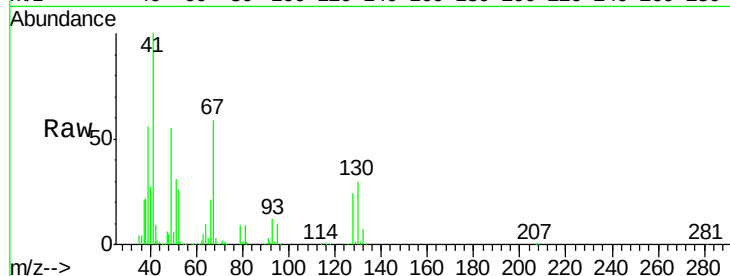
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	52.5	78.7	
67	60.2	56.6	84.8	
52	27.2	27.2	40.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 146.309 ug/l

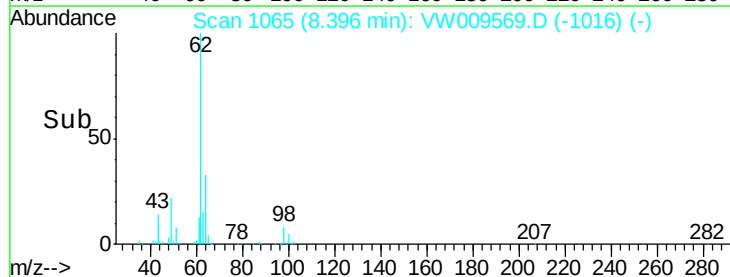
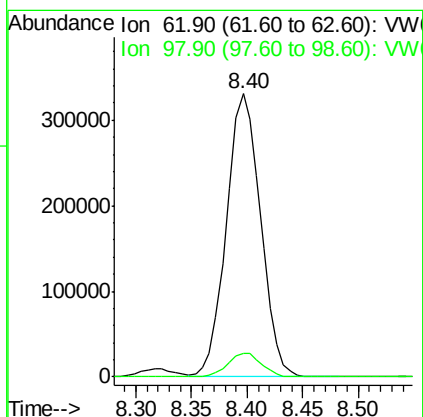
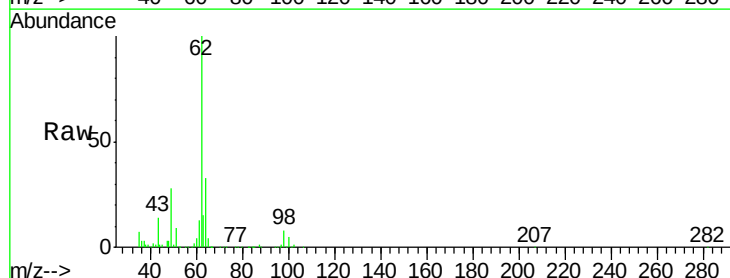
RT: 8.40 min Scan# 1065

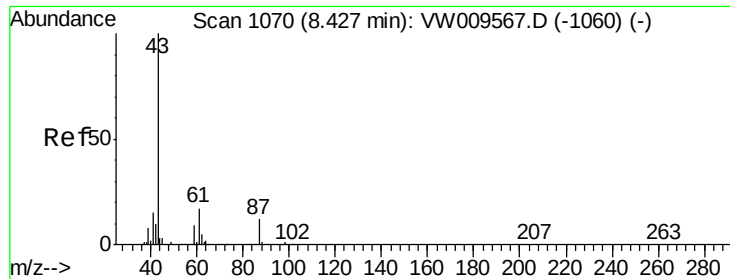
Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.4	





#43

Isopropyl Acetate

Concen: 164.412 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

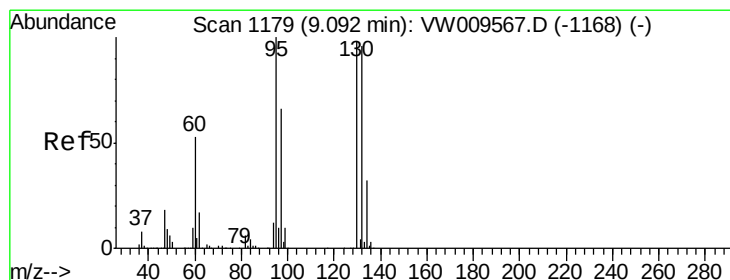
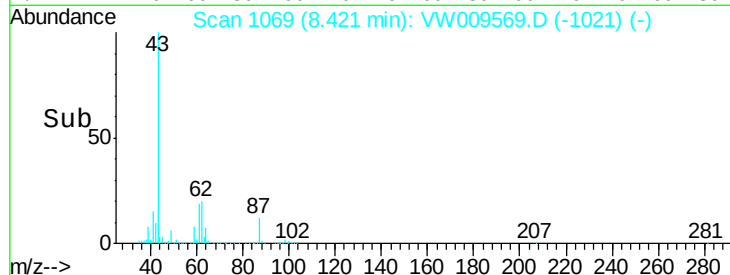
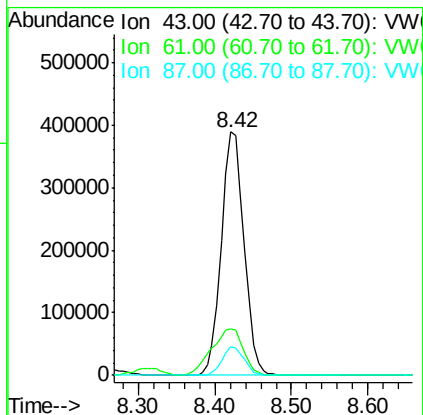
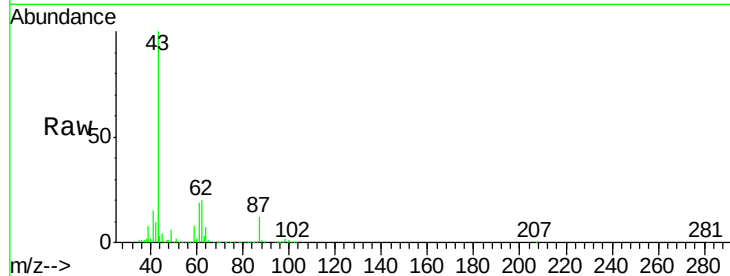
ClientSampleId :

VSTDICC150

Tot Ion:	43	Resp:	798410
Ion	Ratio	Lower	Upper
43	100		
61	26.7	22.2	33.2
87	11.4	9.6	14.4

Manual Integrations
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4/1/2019 4:04:48 AM



#44

Trichloroethene

Concen: 143.385 ug/l

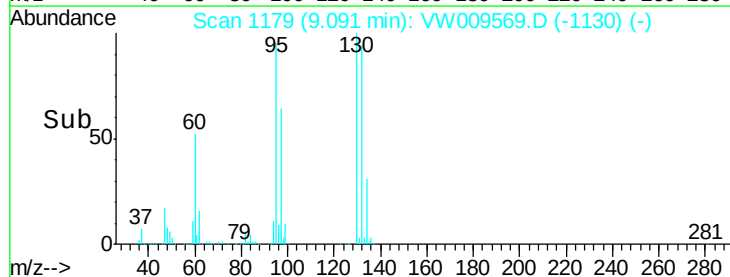
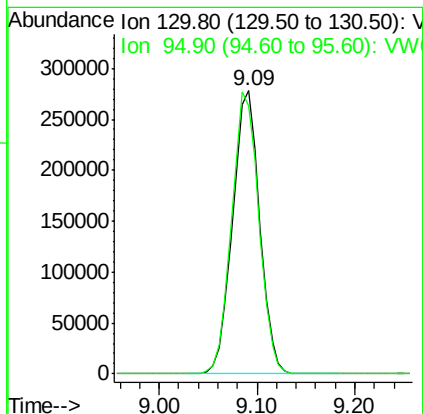
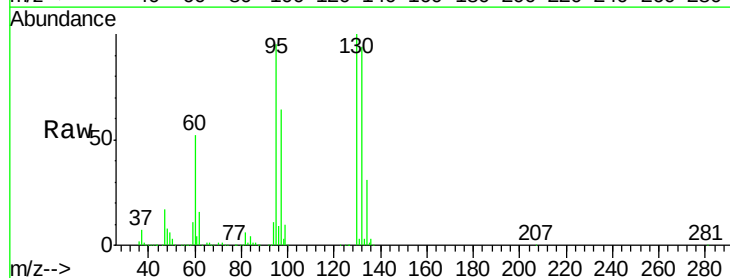
RT: 9.09 min Scan# 1179

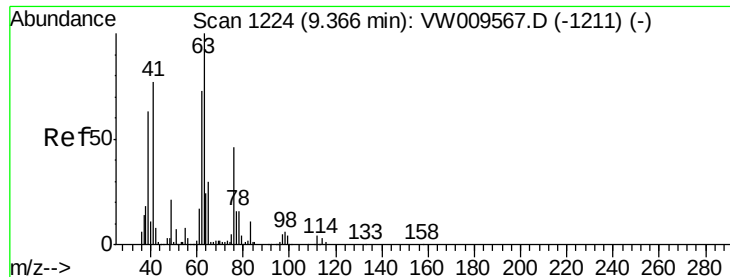
Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion:	130	Resp:	534047
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	192.6





#45

1,2-Dichloropropane

Concen: 144.246 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 530770

Ion Ratio Lower Upper

63 100

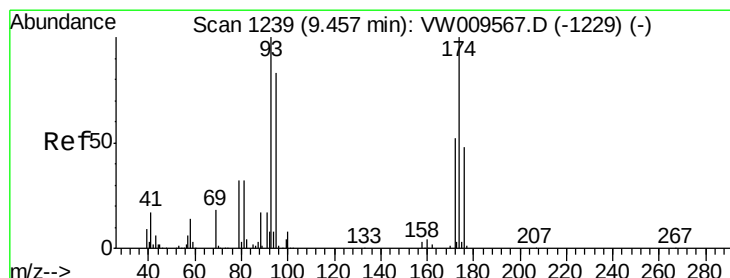
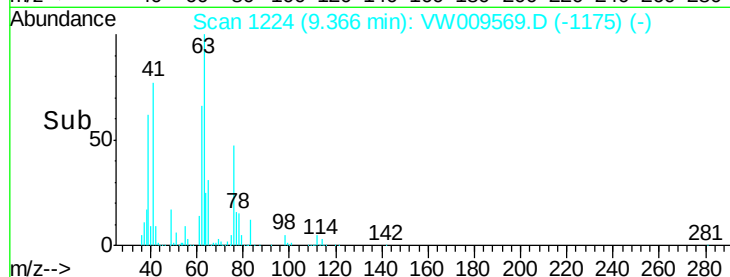
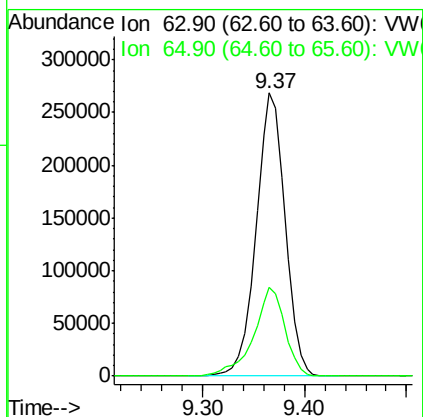
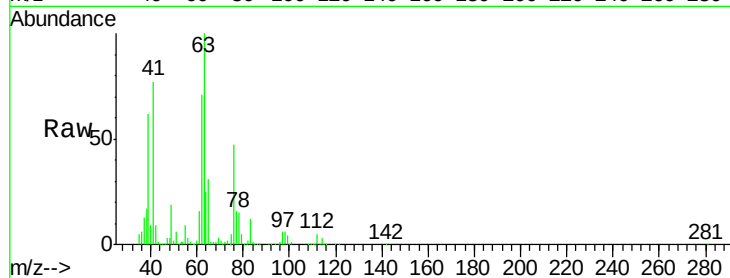
65 31.3 25.8 38.8

Manual Integrations

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MMDadoda

4/1/2019 4:04:48 AM



#46

Dibromomethane

Concen: 150.049 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

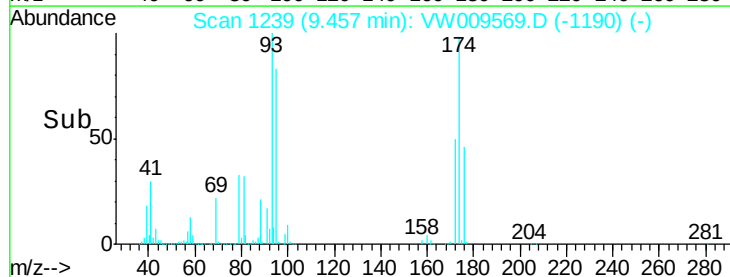
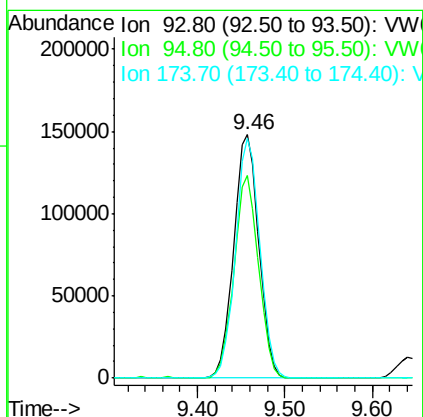
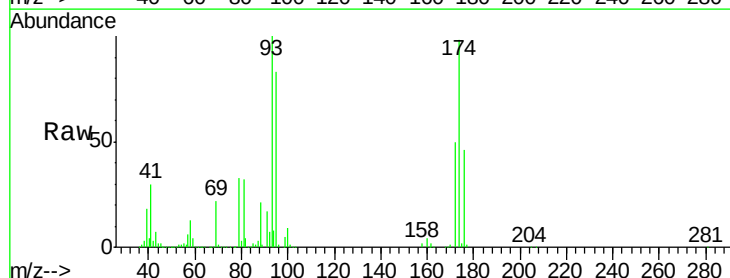
Tgt Ion: 93 Resp: 295193

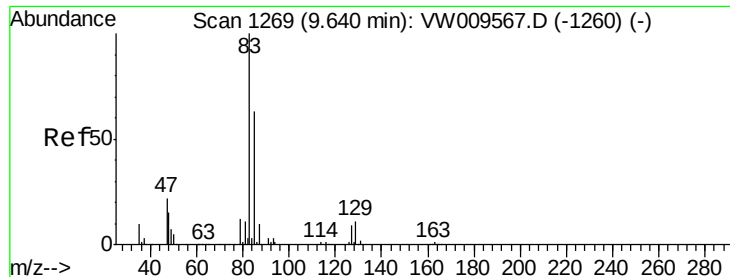
Ion Ratio Lower Upper

93 100

95 81.7 66.9 100.3

174 95.6 80.8 121.2





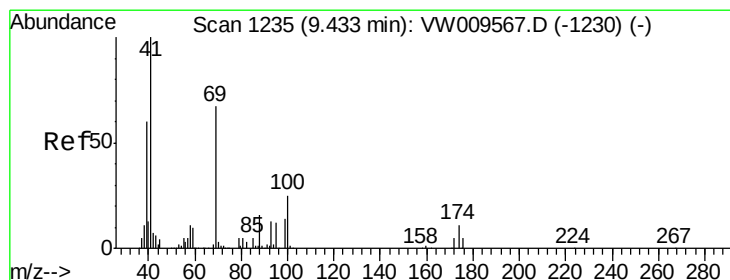
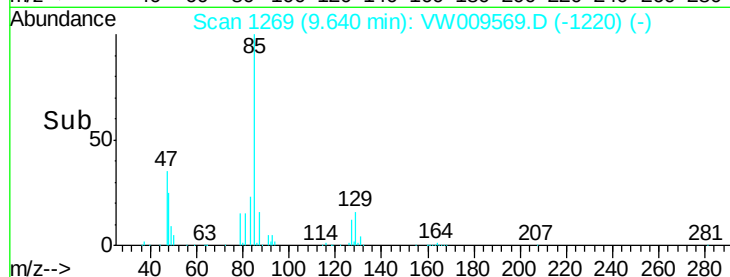
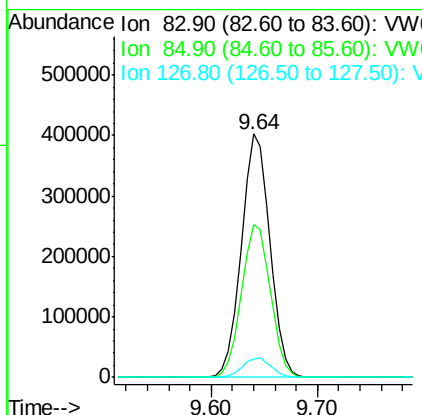
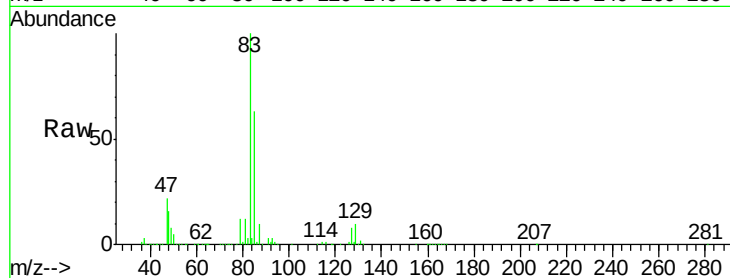
#47
Bromodichloromethane
Concen: 147.608 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	83	Resp	756548
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	52.6	79.0
127	7.8	6.5	9.7

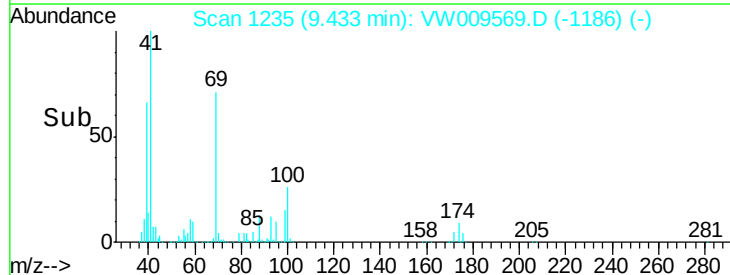
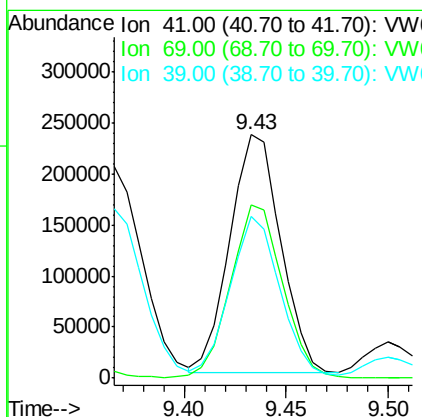
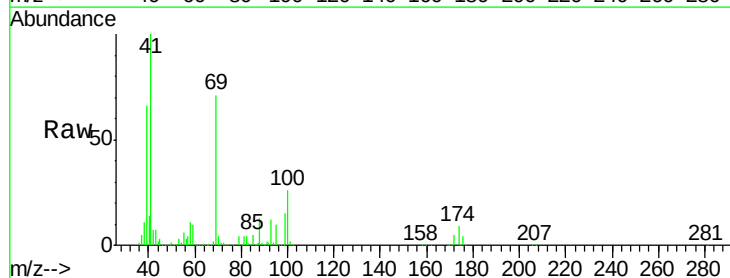
Manual Integrations
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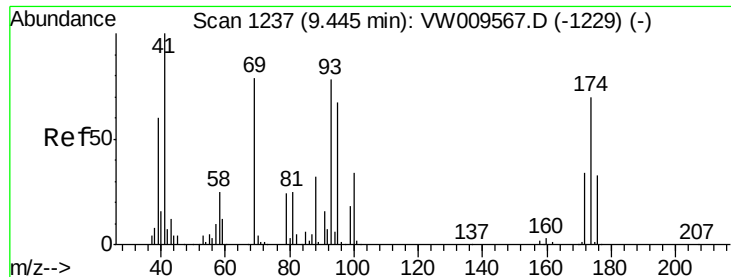
MMDadoda
4/1/2019 4:04:48 AM



#48
Methyl methacrylate
Concen: 167.263 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	41	Resp	402736
Ion Ratio	100	Lower	Upper
41	100		
69	75.0	63.0	94.6
39	67.7	57.2	85.8





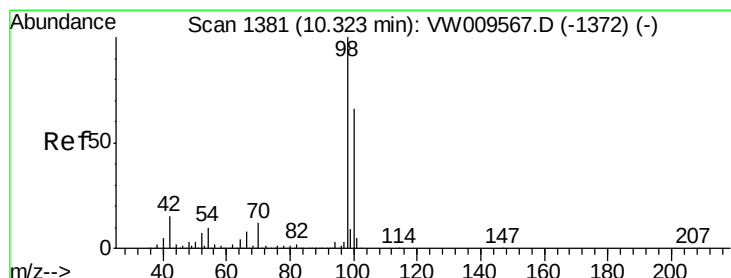
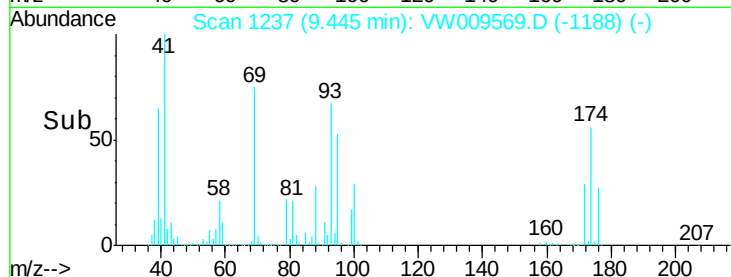
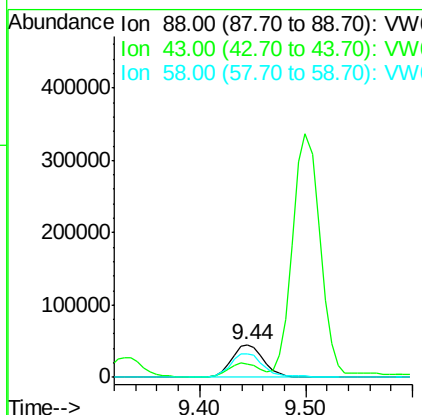
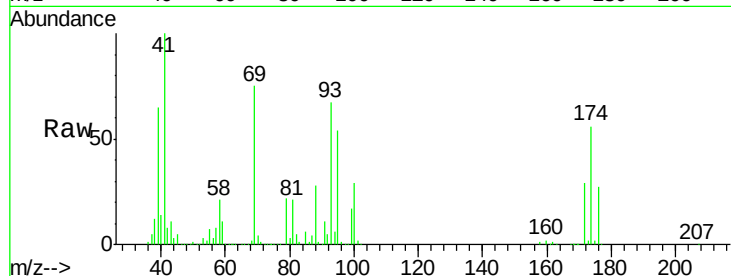
#49
1,4-Dioxane
Concen: 3156.746 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	96022
Ion Ratio	Lower	Upper	
88	100		
43	39.4	29.7	44.5
58	75.9	58.1	87.1

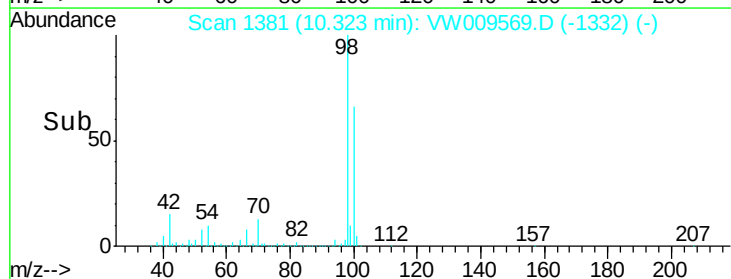
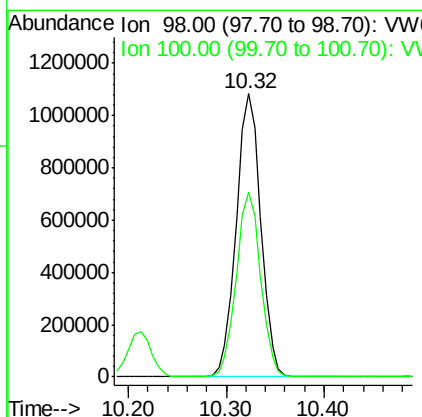
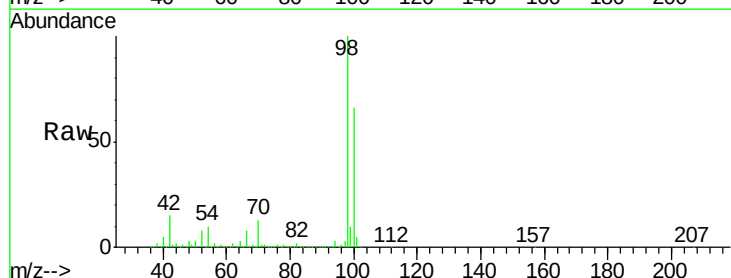
Manual Integrations
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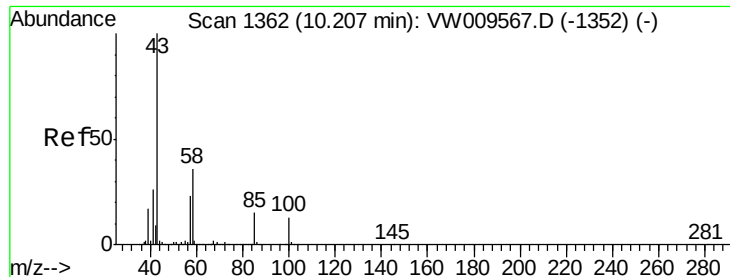
MMDadoda
4/1/2019 4:04:48 AM



#50
Toluene-d8
Concen: 151.135 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	98	Resp	1887442
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.6	79.0





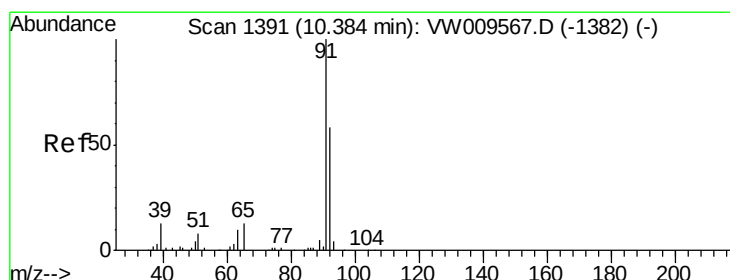
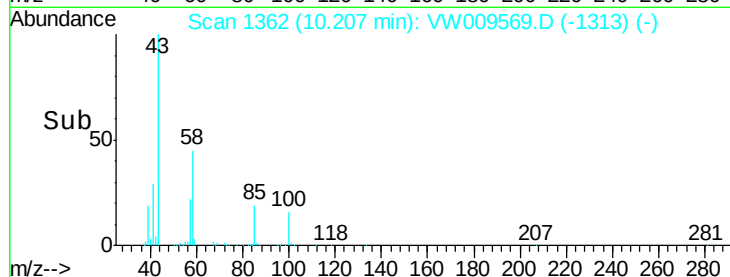
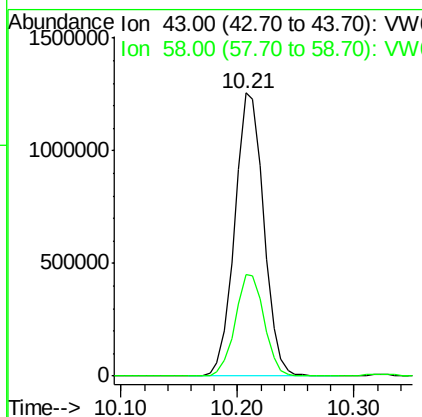
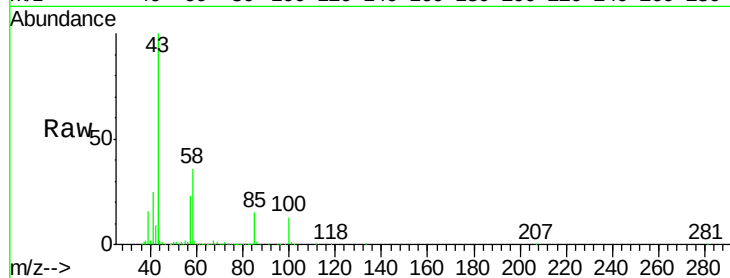
#51
4-Methyl-2-Pentanone
Concen: 819.577 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2181701
Ion Ratio Lower Upper
43 100
58 35.8 28.6 42.8

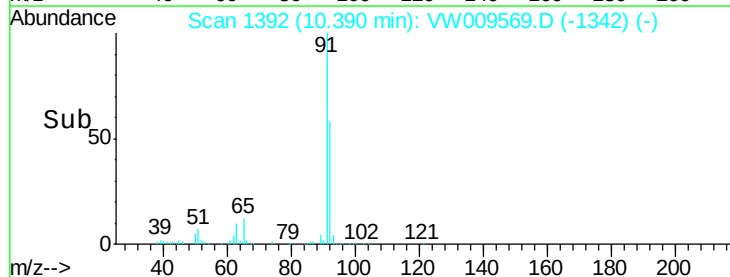
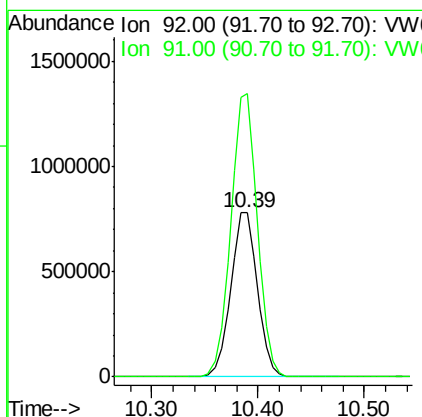
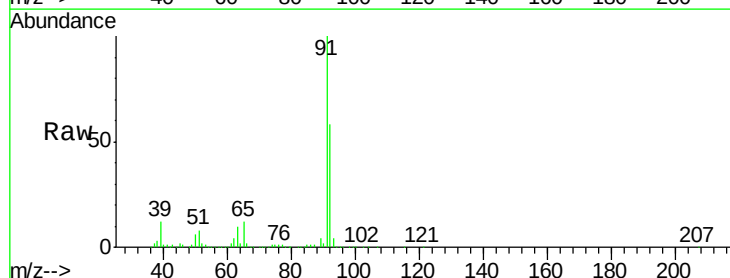
Manual Integrations
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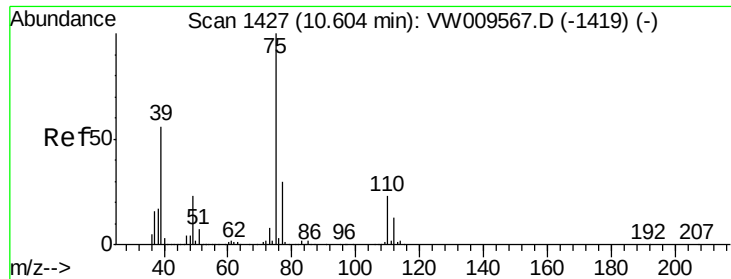
MMDadoda
4/1/2019 4:04:48 AM



#52
Toluene
Concen: 147.384 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 92 Resp: 1364087
Ion Ratio Lower Upper
92 100
91 171.9 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 156.706 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 799624

Ion Ratio Lower Upper

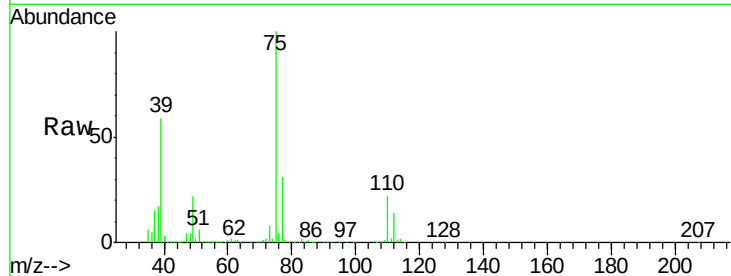
75 100

77 31.2 24.8 37.2

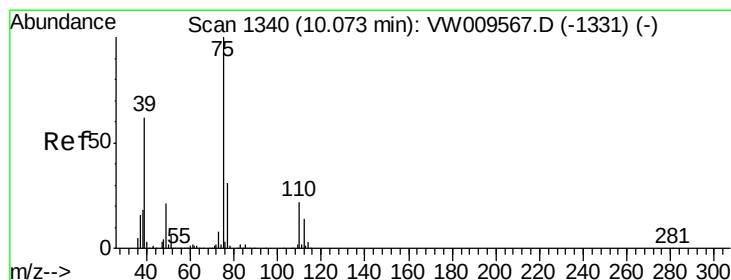
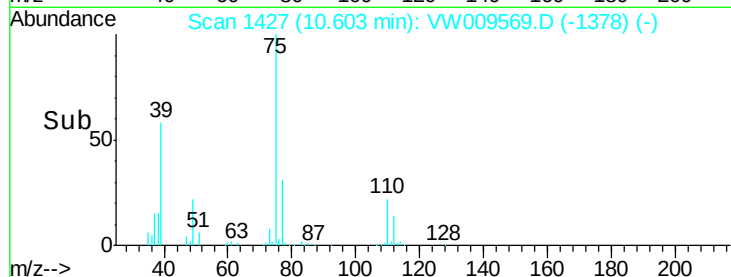
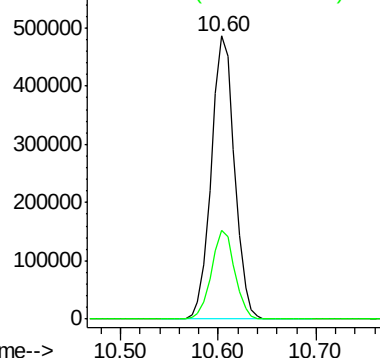
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 153.450 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

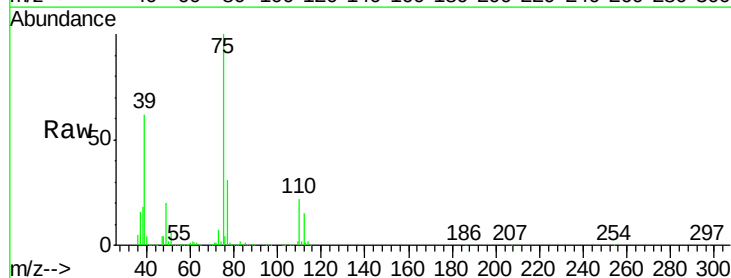
Tgt Ion: 75 Resp: 870289

Ion Ratio Lower Upper

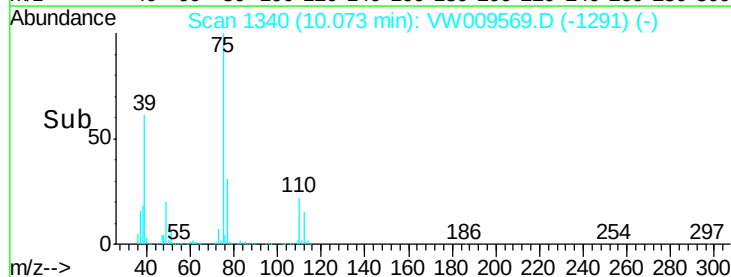
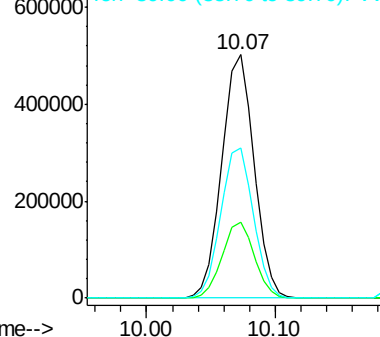
75 100

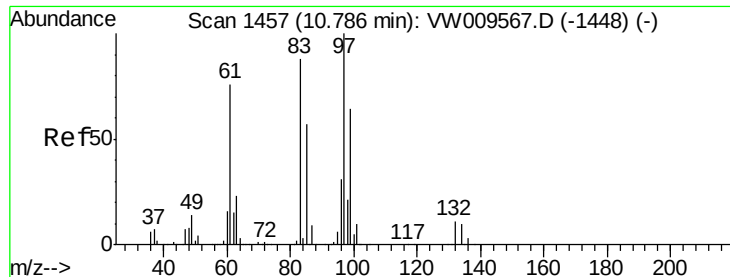
77 31.3 25.9 38.9

39 61.6 46.8 70.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 76.90 (76.60 to 77.60): VW
Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 151.237 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

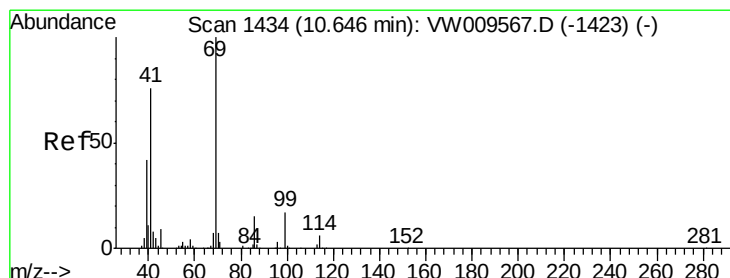
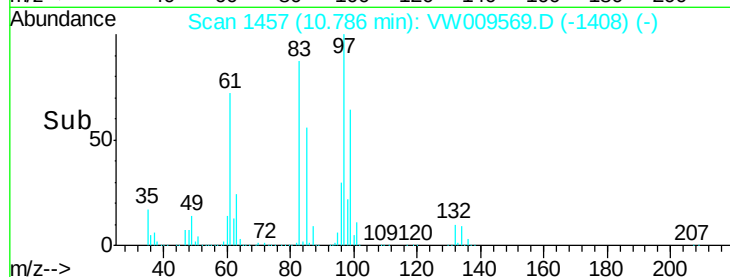
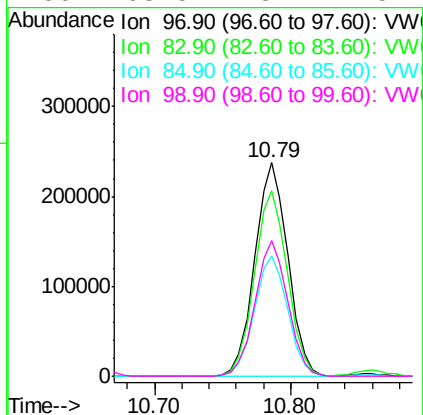
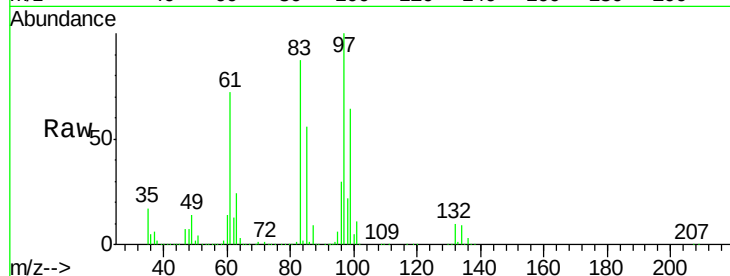
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	404680
Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.3	99.5
85	56.3	41.4	62.2
99	63.5	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 169.988 ug/l

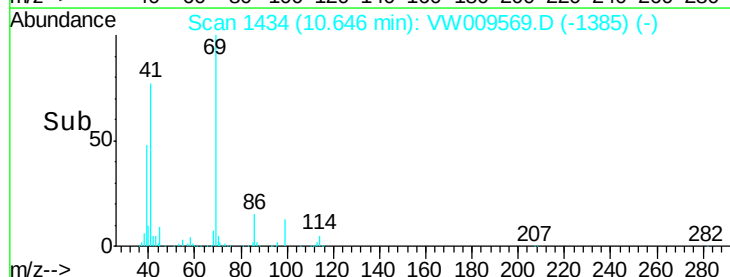
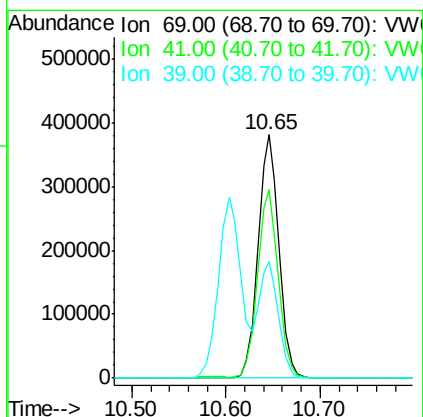
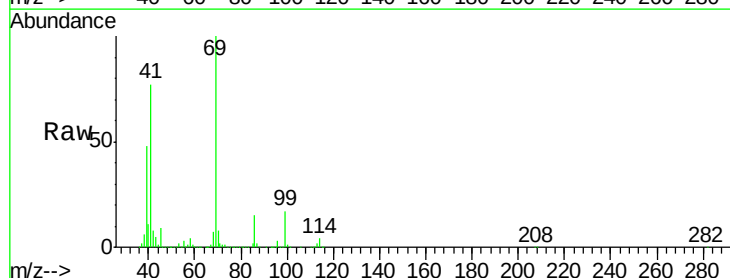
RT: 10.65 min Scan# 1434

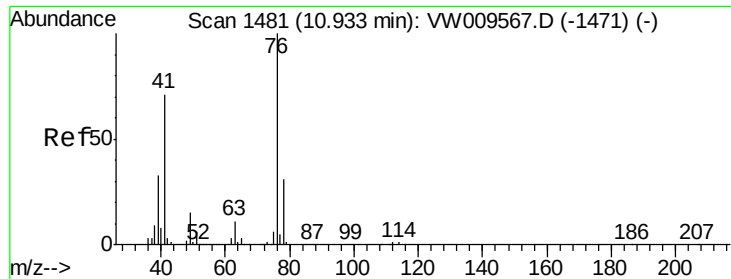
Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion:	69	Resp:	591358
Ion	Ratio	Lower	Upper
69	100		
41	77.3	59.3	88.9
39	44.8	36.2	54.2





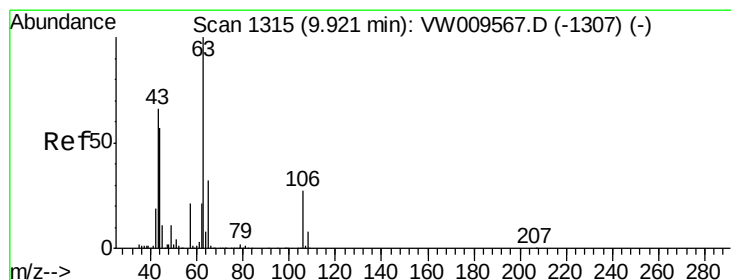
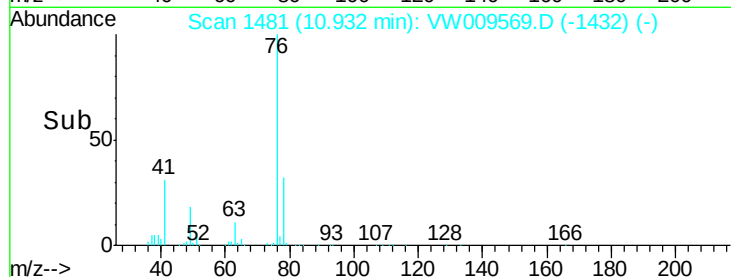
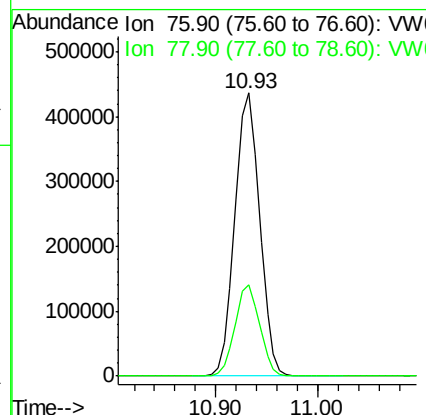
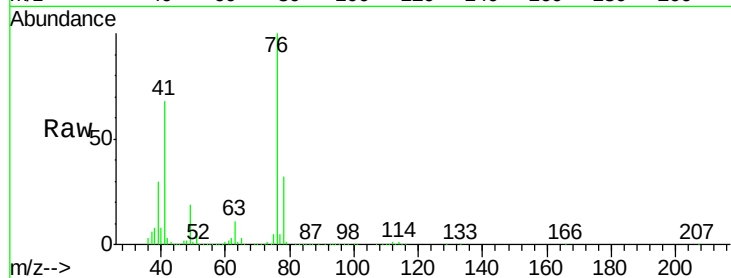
#57
 1,3-Dichloropropane
 Concen: 152.496 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 733660
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

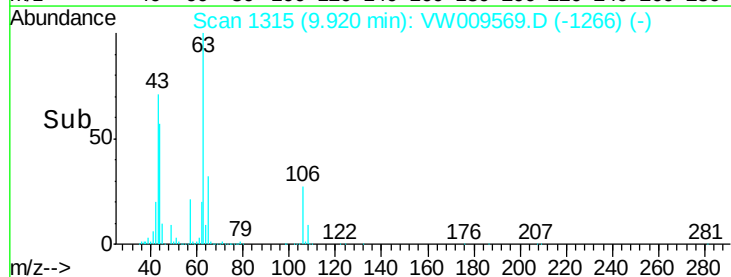
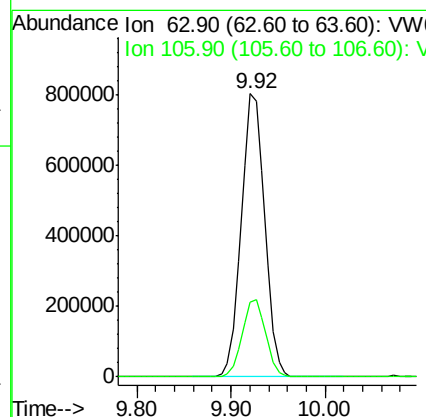
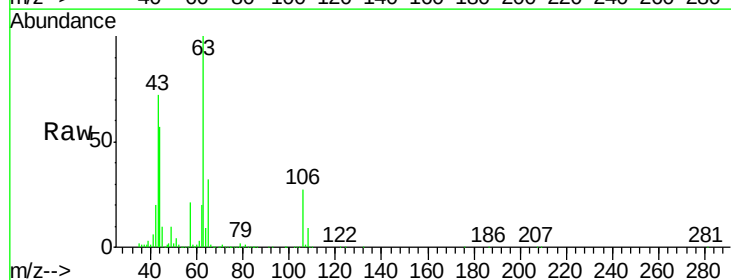
Manual Integrations
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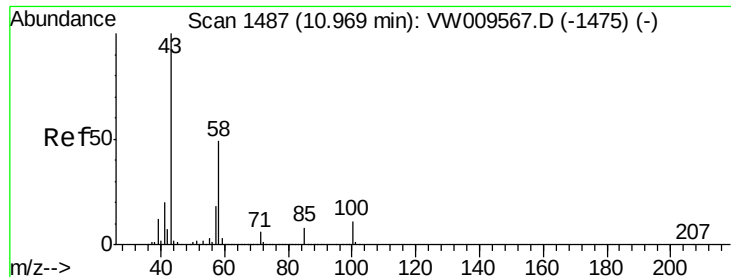
MMDadoda
 4/1/2019 4:04:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 814.500 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion: 63 Resp: 1388172
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.9 34.3





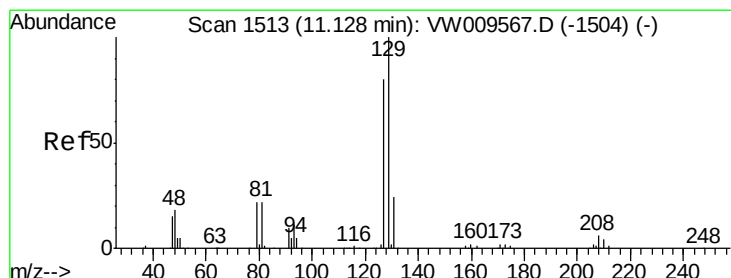
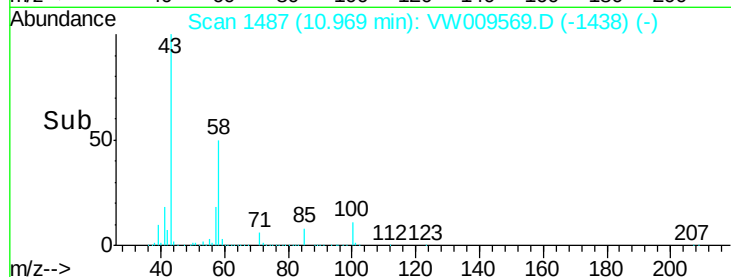
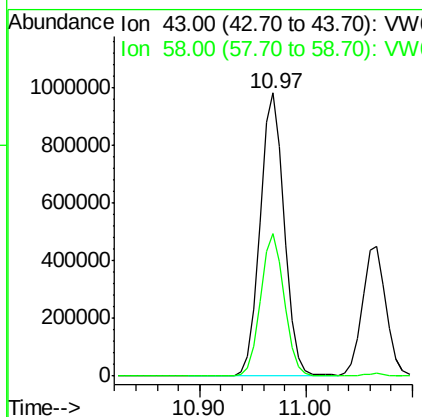
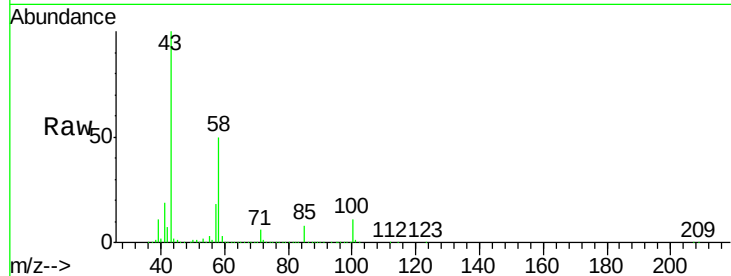
#59
2-Hexanone
Concen: 825.529 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1563481
Ion Ratio Lower Upper
43 100
58 49.4 24.2 72.6

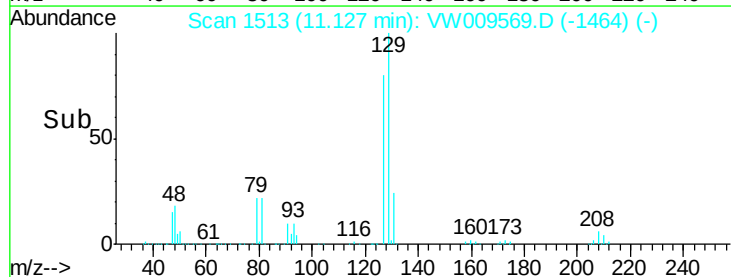
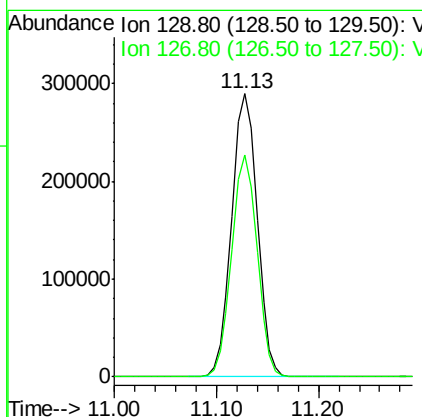
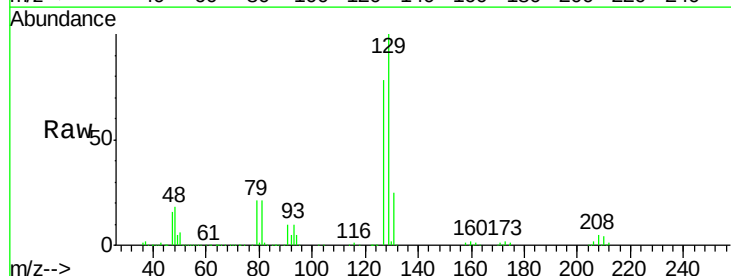
Manual Integrations
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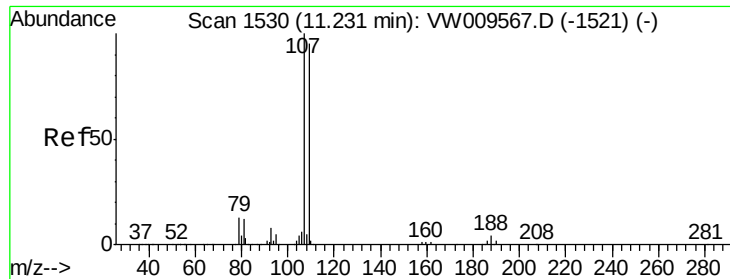
MMDadoda
4/1/2019 4:04:48 AM



#60
Dibromochloromethane
Concen: 154.715 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 129 Resp: 502670
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 153.094 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 395354

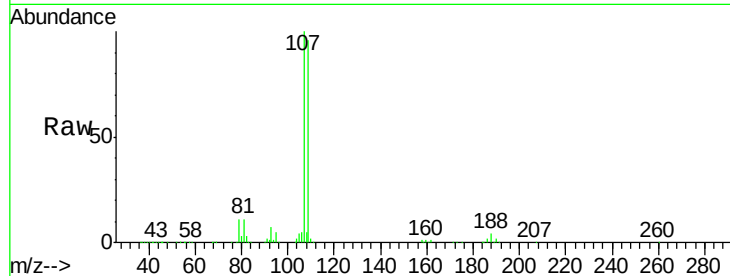
Ion Ratio Lower Upper

107 100

109 94.2 75.1 112.7

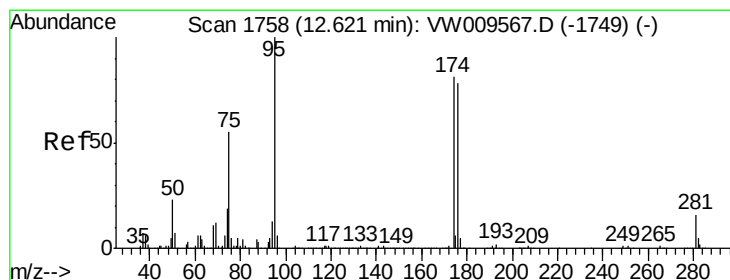
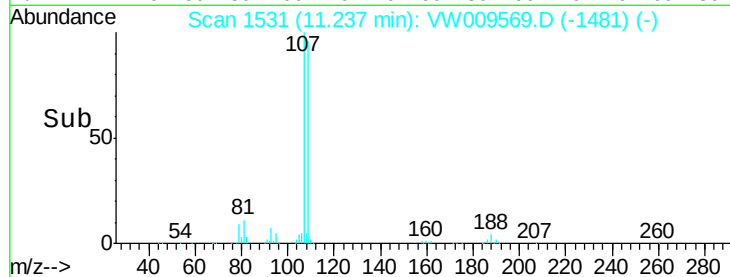
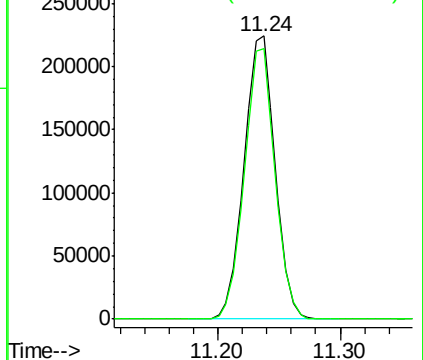
Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:48 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 154.963 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

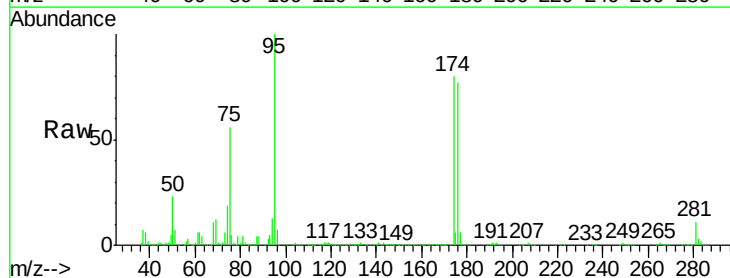
Tgt Ion: 95 Resp: 721916

Ion Ratio Lower Upper

95 100

174 77.7 0.0 168.4

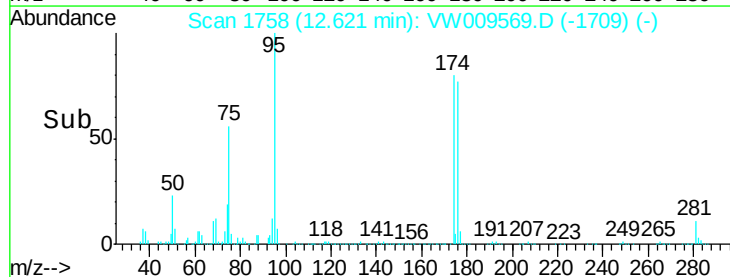
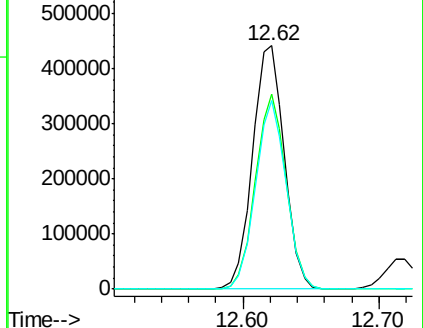
176 74.7 0.0 161.6

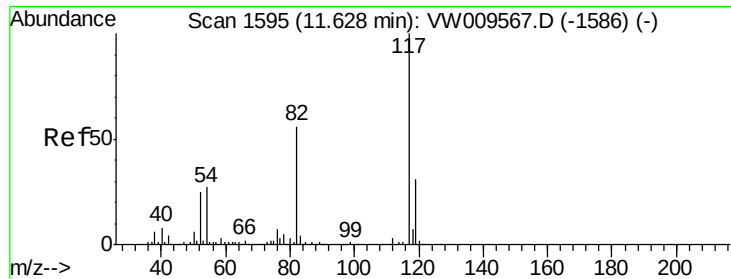


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





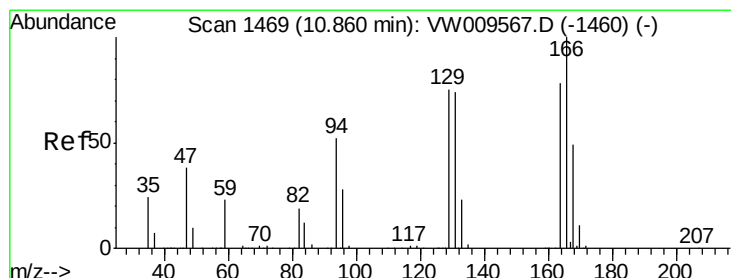
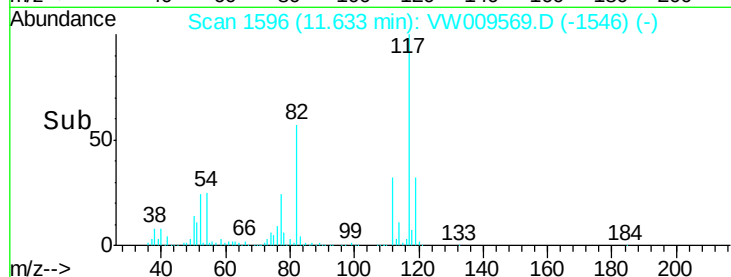
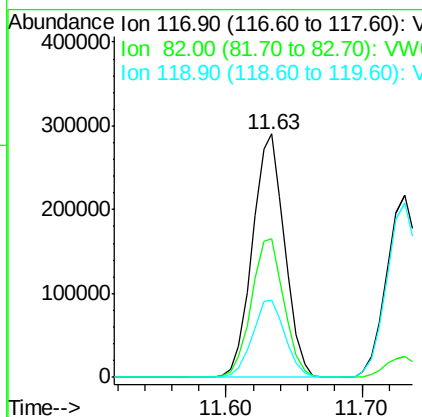
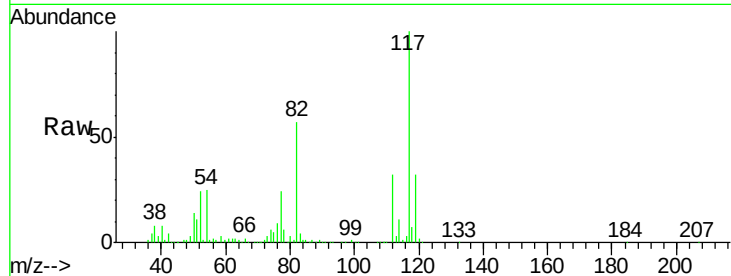
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	480129		
82	56.8		43.6	65.4
119	31.9		26.0	39.0

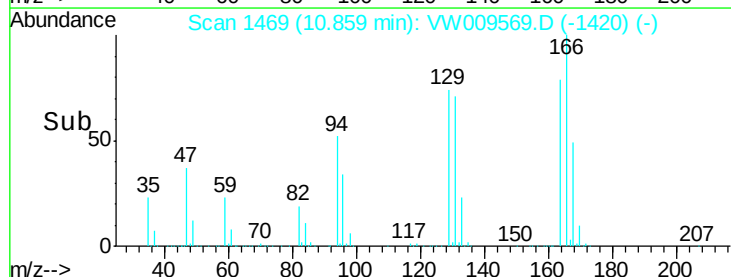
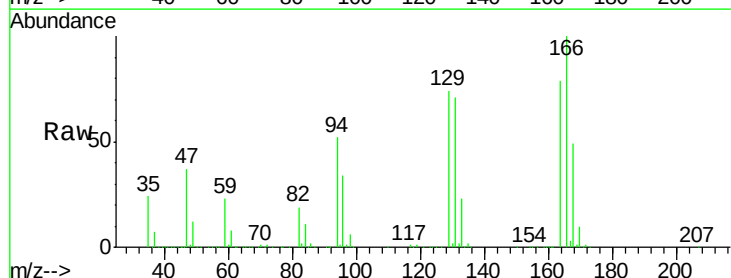
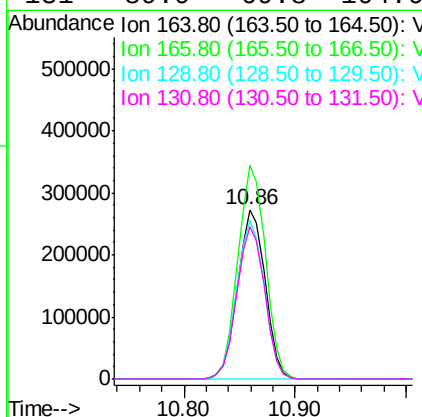
Manual Integrations
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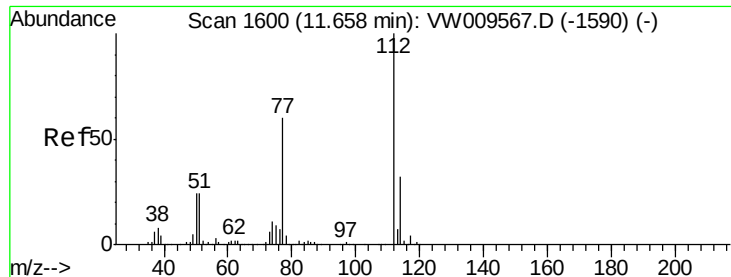
MMDadoda
4/1/2019 4:04:48 AM



#64
Tetrachloroethene
Concen: 146.985 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	468653		
166	126.4		100.9	151.3
129	94.1		72.0	108.0
131	89.9		69.8	104.6





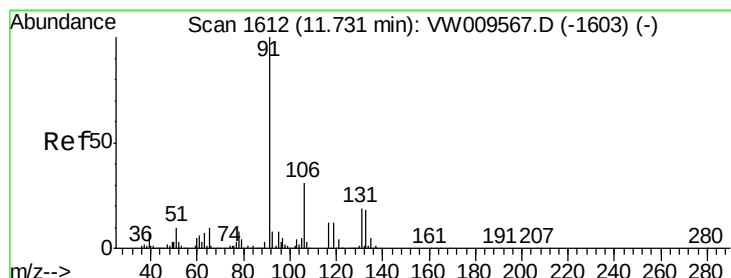
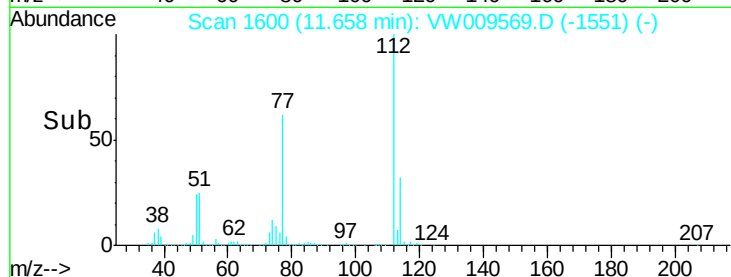
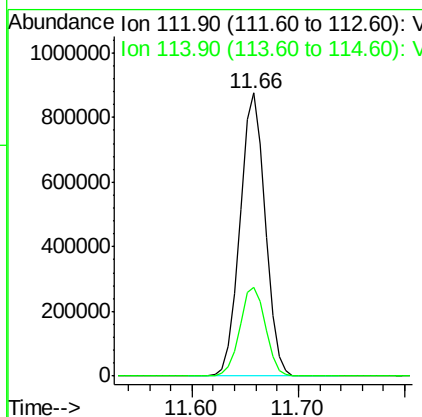
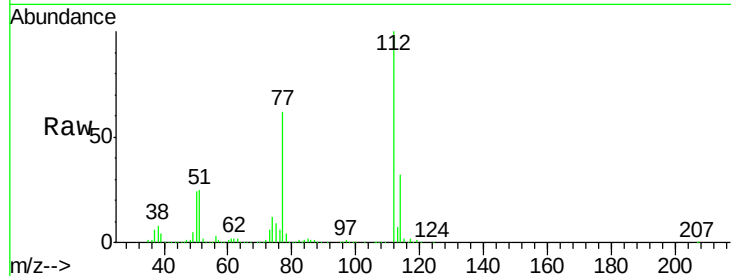
#65
Chlorobenzene
Concen: 145.245 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1457203
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4

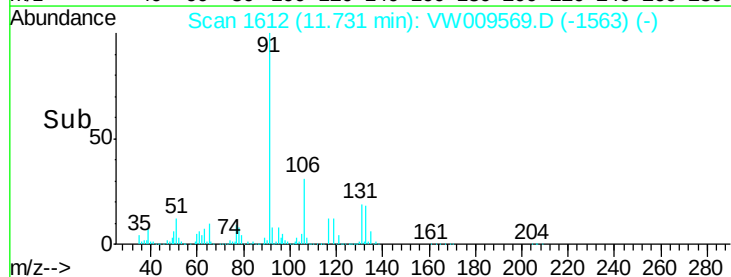
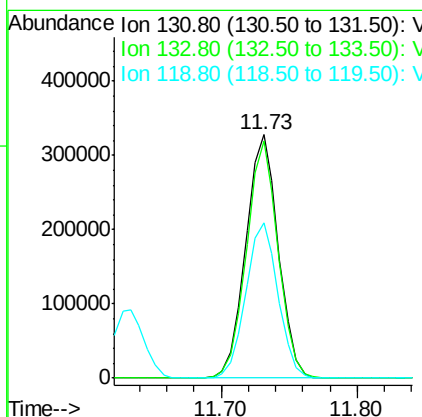
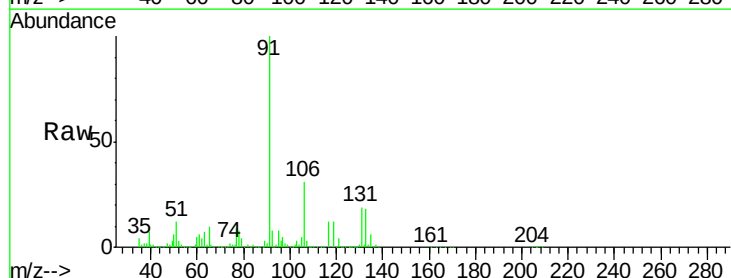
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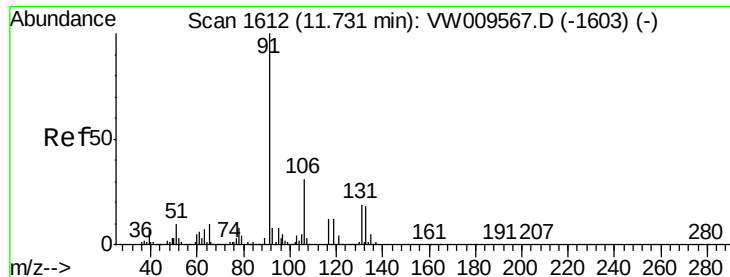
MMDadoda
4/1/2019 4:04:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 148.100 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion:131 Resp: 545902
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.8
119 63.4 31.6 95.0





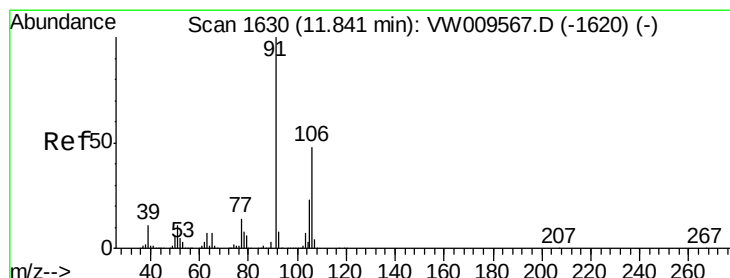
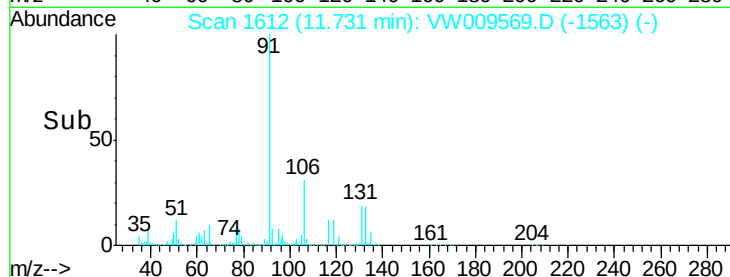
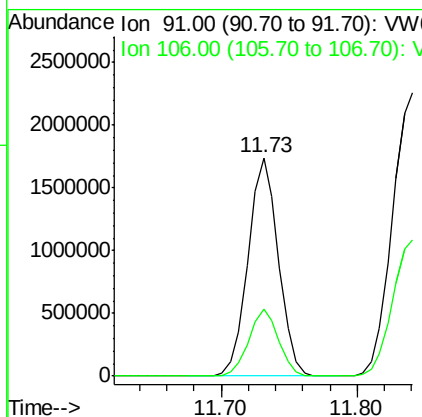
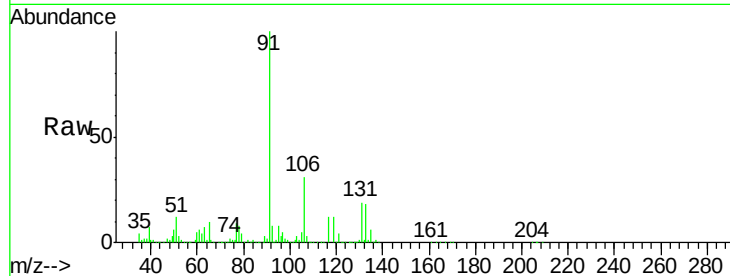
#67
Ethyl Benzene
Concen: 147.531 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2711422
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

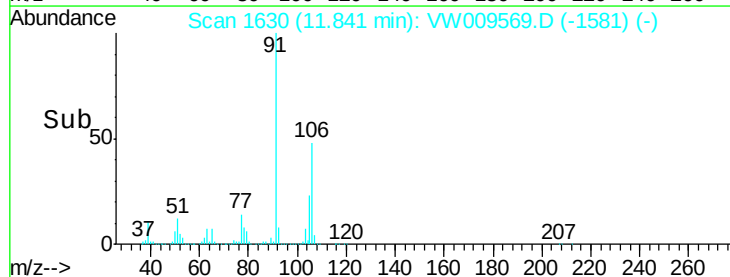
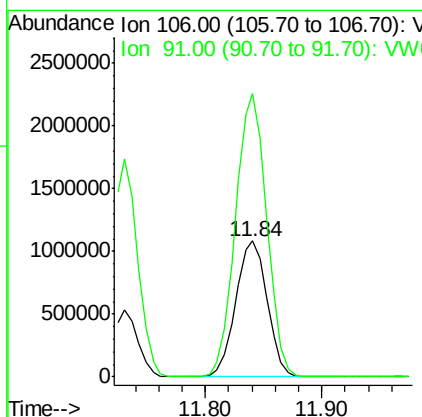
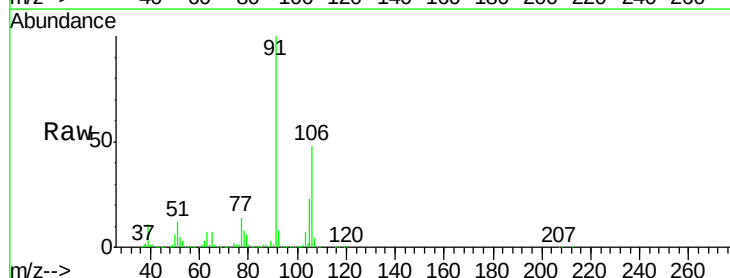
Manual Integrations
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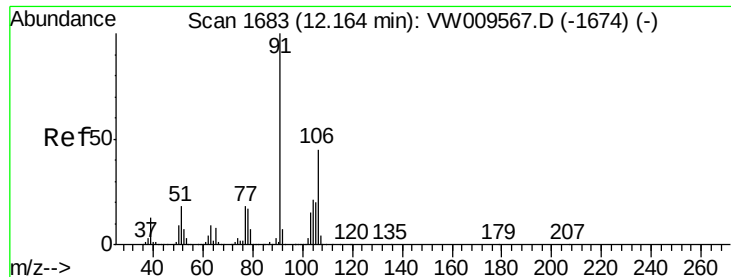
MMDadoda
4/1/2019 4:04:48 AM



#68
m/p-Xylenes
Concen: 291.240 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 106 Resp: 2033974
Ion Ratio Lower Upper
106 100
91 206.7 163.1 244.7





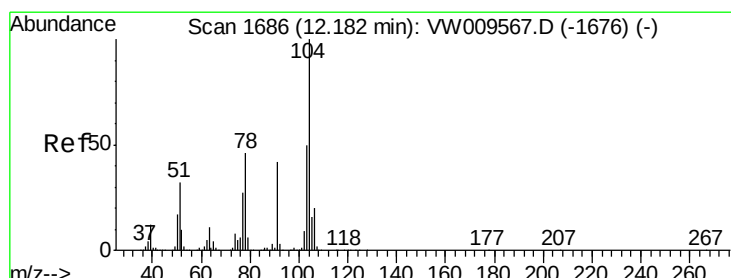
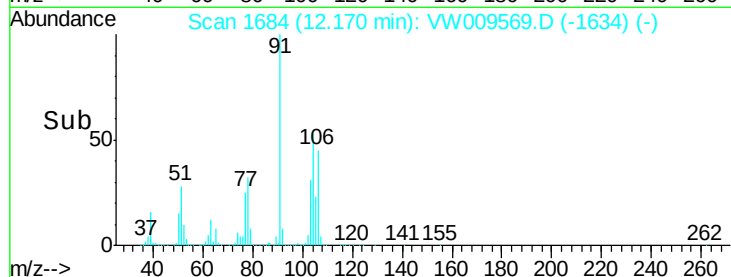
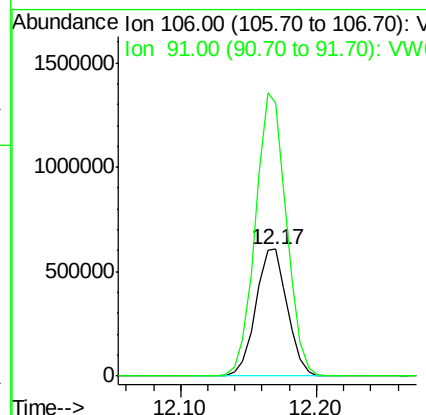
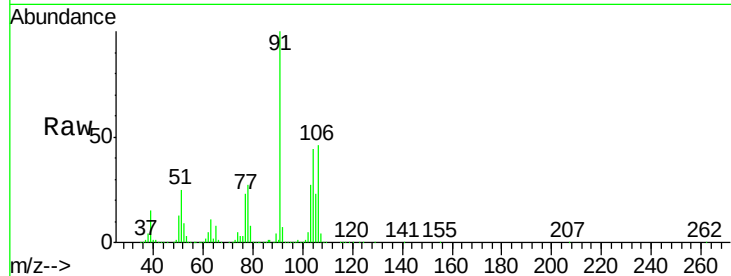
#69
o-Xylene
Concen: 150.882 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		988529		
91	218.6	108.6	325.8		

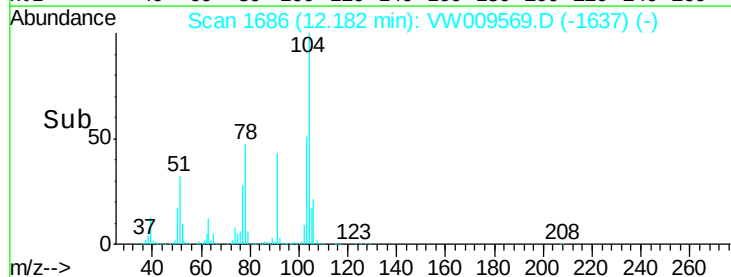
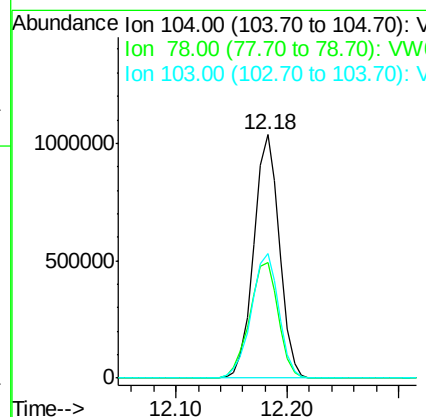
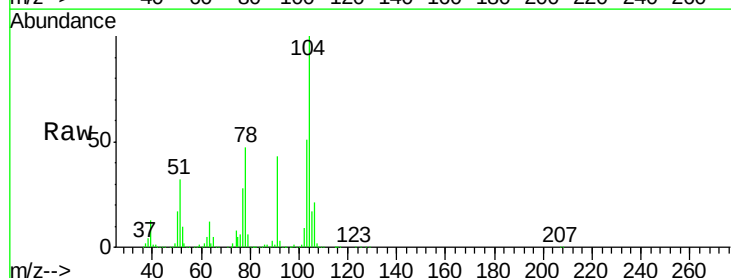
Manual Integrations
APPROVED

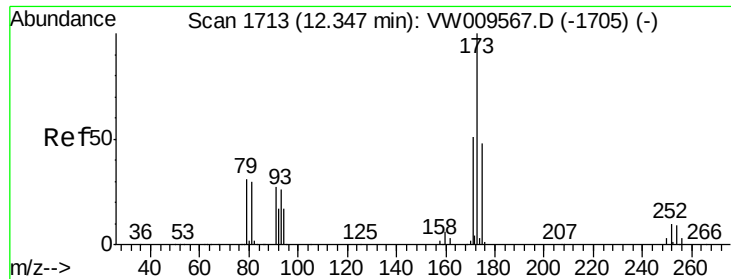
MMDadoda
4/1/2019 4:04:48 AM



#70
Styrene
Concen: 149.907 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1659359		
78	53.4	42.2	63.4		
103	55.3	44.6	66.8		





#71

Bromoform

Concen: 158.567 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

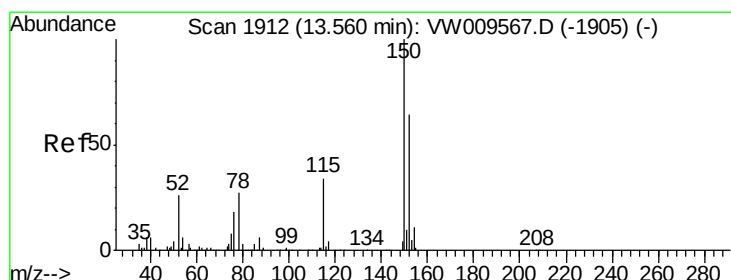
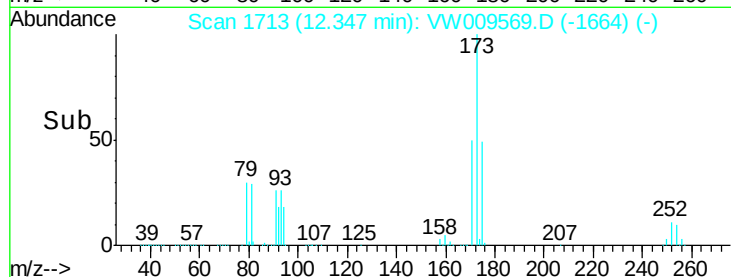
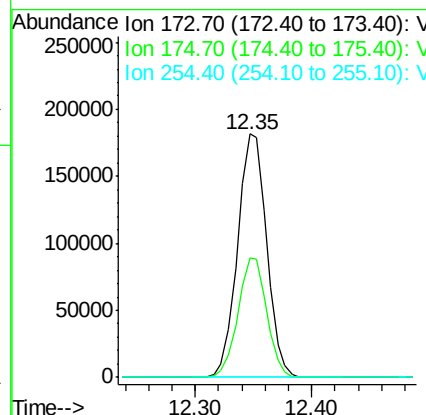
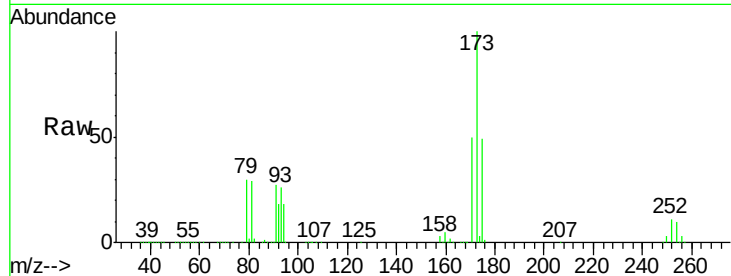
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.4
254	0.2	0.2	0.4

Manual Integrations
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4/1/2019 4:04:48 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

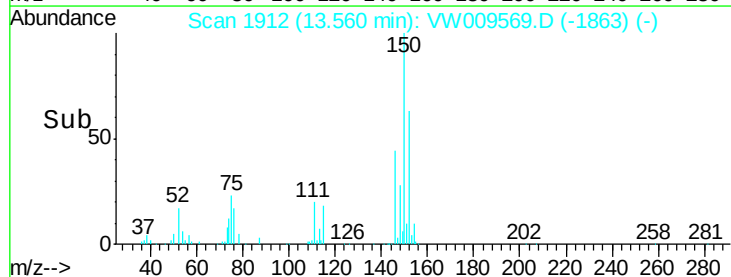
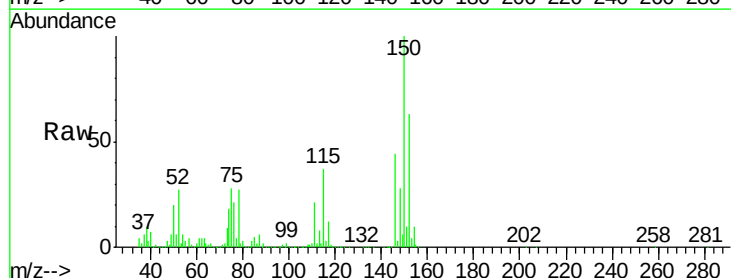
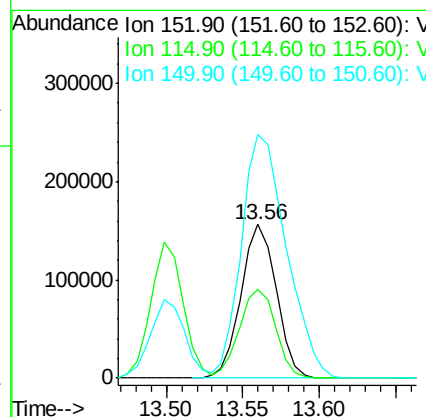
RT: 13.56 min Scan# 1912

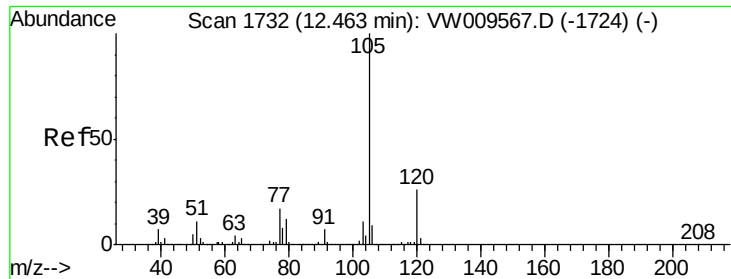
Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.6	88.8
150	202.0	0.0	349.2





#73

Isopropylbenzene

Concen: 150.951 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2801821

Ion Ratio Lower Upper

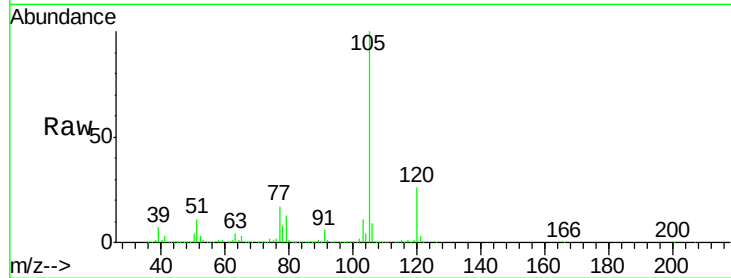
105 100

120 26.2 13.0 39.0

Manual Integrations
APPROVED

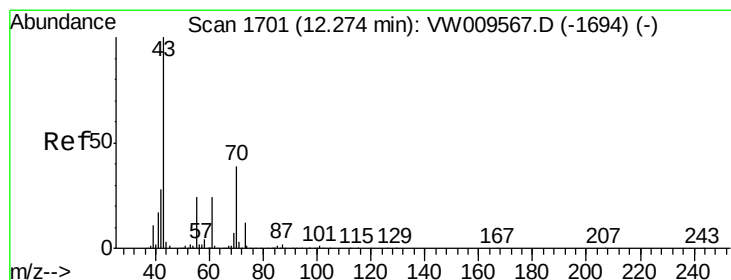
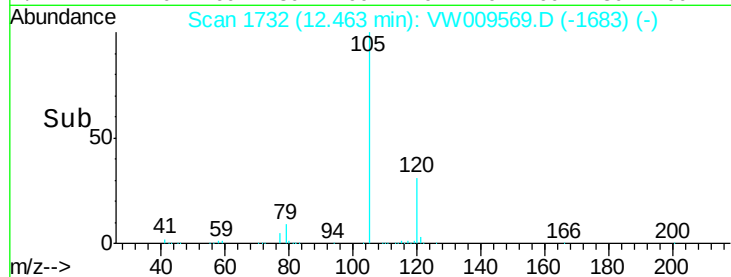
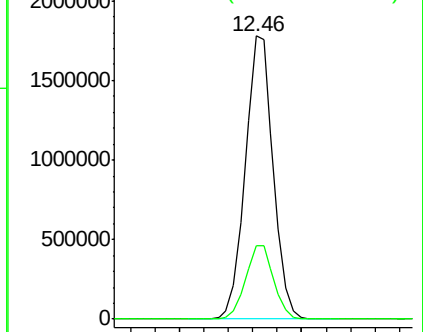
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 175.183 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion: 43 Resp: 819947

Ion Ratio Lower Upper

43 100

70 37.9 30.6 46.0

55 22.9 19.3 28.9

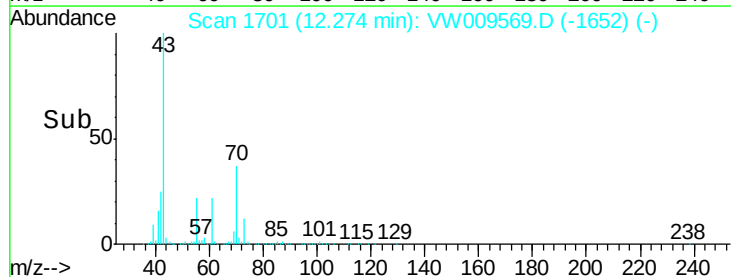
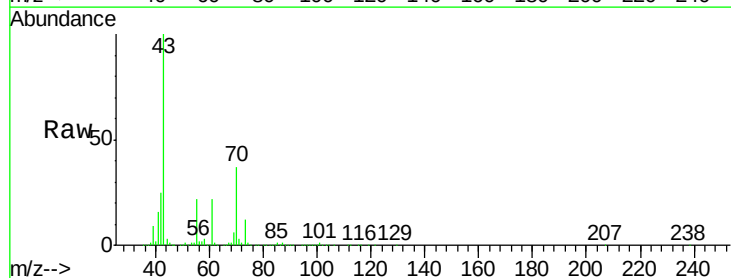
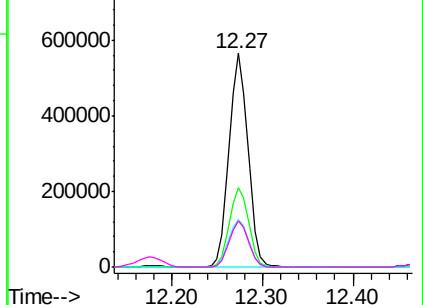
61 21.8 17.0 25.4

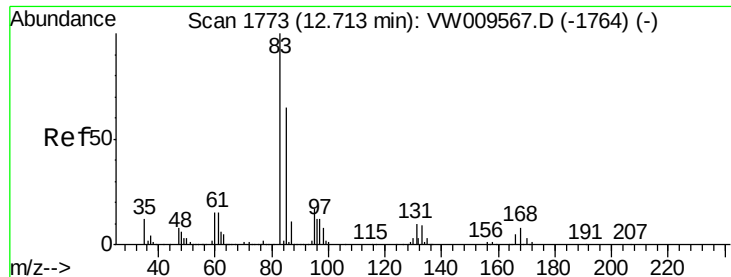
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 158.078 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

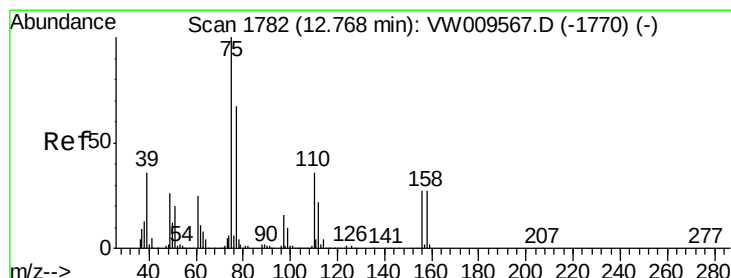
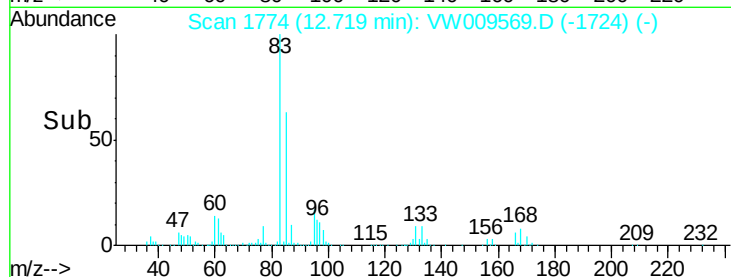
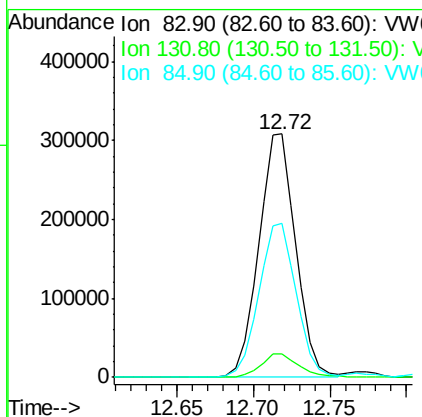
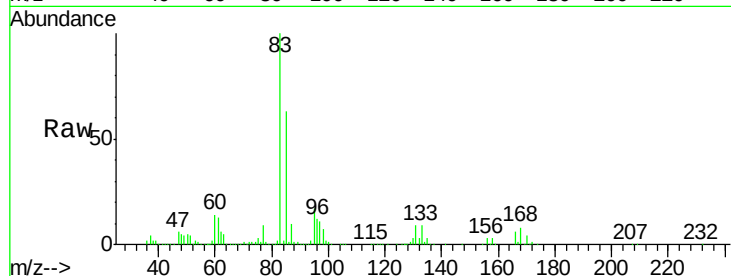
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	517464
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	16.1
85	63.8	32.6	97.8

Manual Integrations
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4/1/2019 4:04:48 AM



#76

1,2,3-Trichloropropane

Concen: 159.939 ug/l m

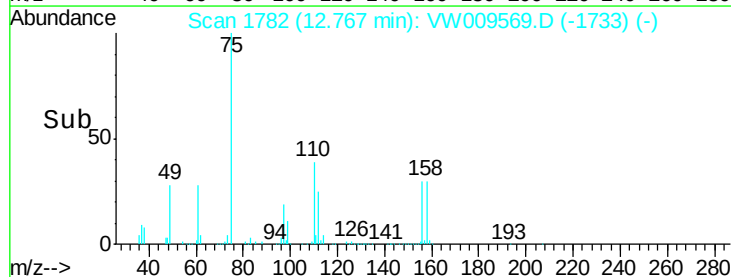
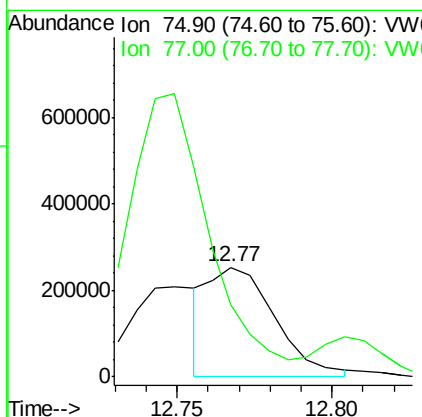
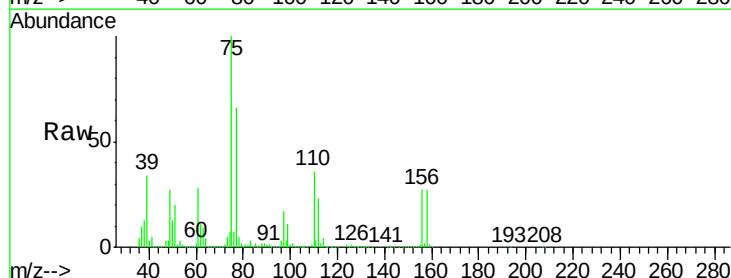
RT: 12.77 min Scan# 1782

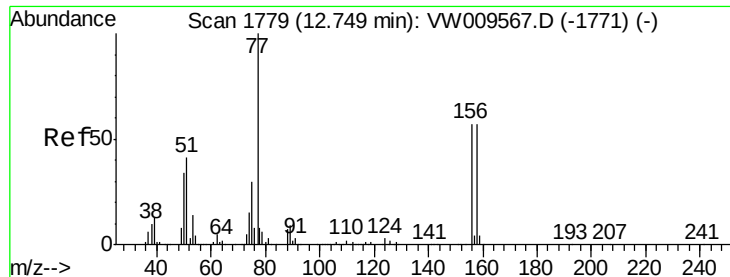
Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Tgt Ion:	75	Resp:	380123
Ion Ratio	Lower	Upper	
75	100		
77	318.4	0.0	0.0#





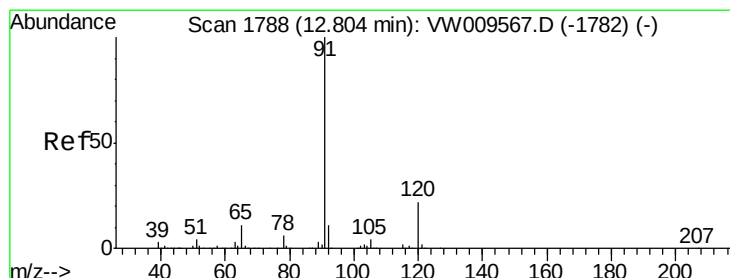
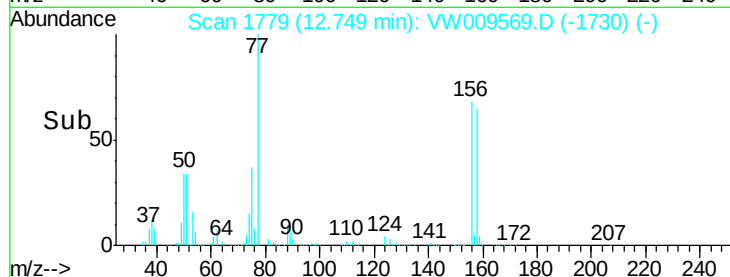
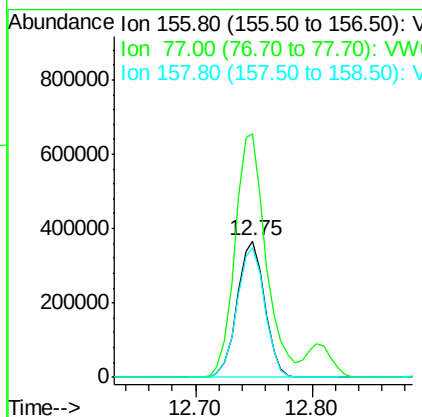
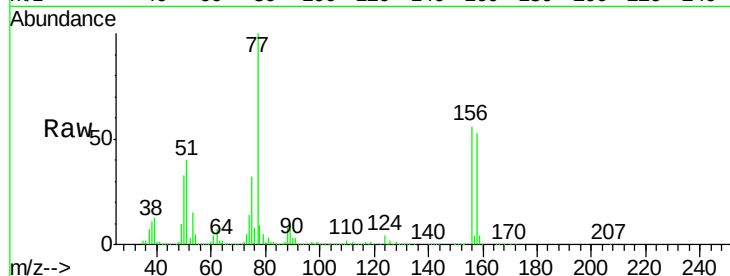
#77
Bromobenzene
Concen: 145.676 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.8	96.0	288.0
158	96.6	49.1	147.3

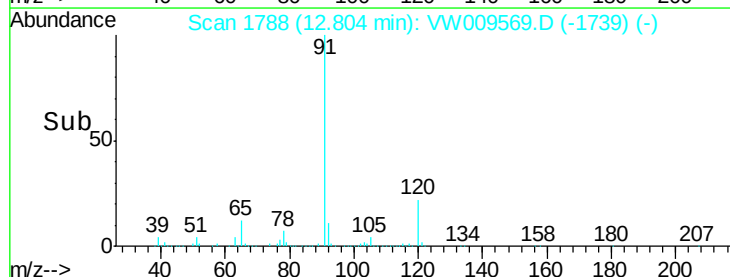
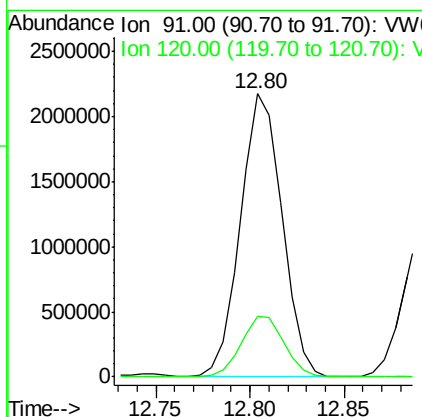
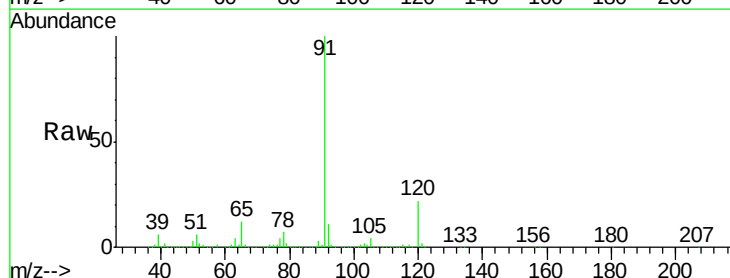
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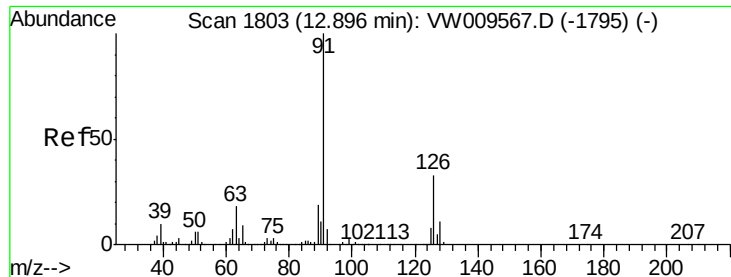
MMDadoda
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#78
n-propylbenzene
Concen: 145.952 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.3





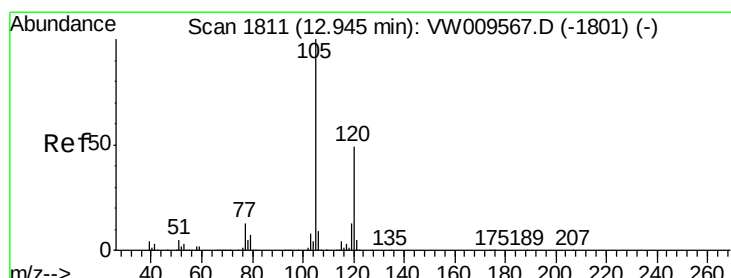
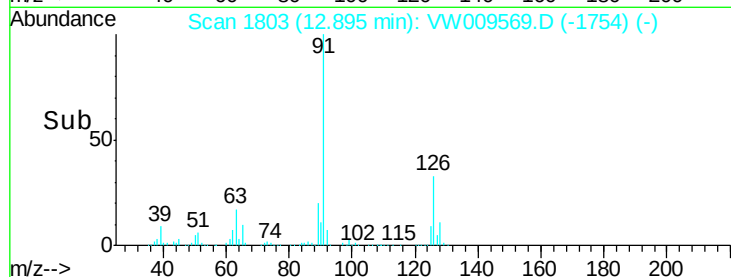
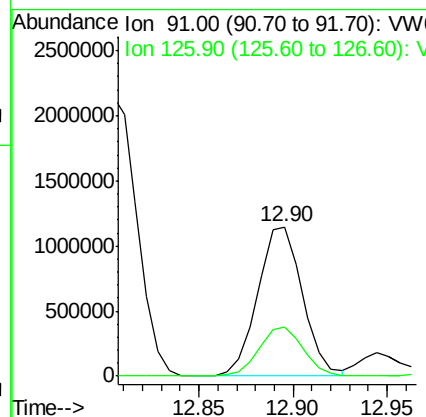
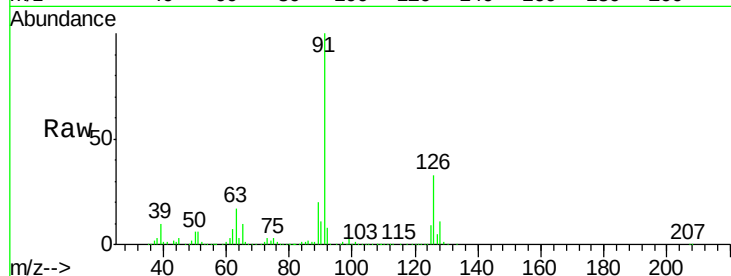
#79
 2-Chlorotoluene
 Concen: 146.748 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1885388
 Ion Ratio Lower Upper
 91 100
 126 32.7 17.0 51.0

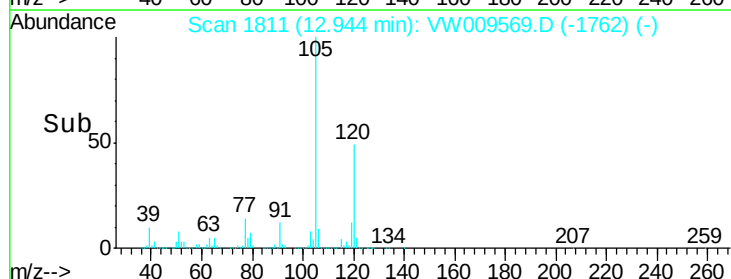
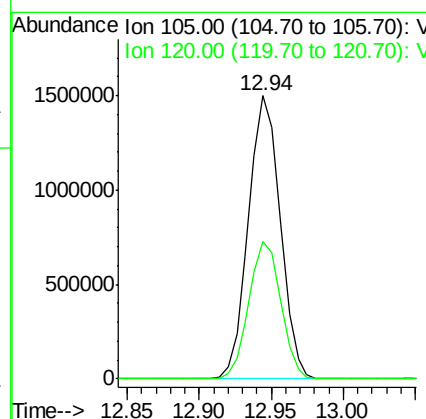
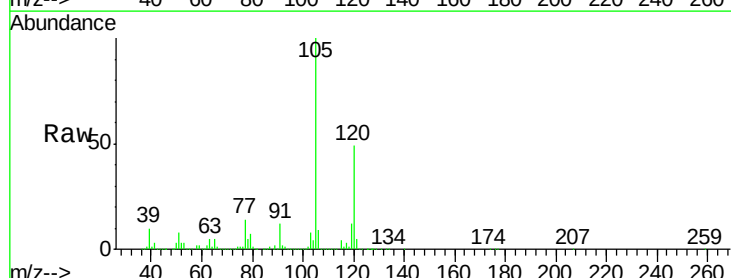
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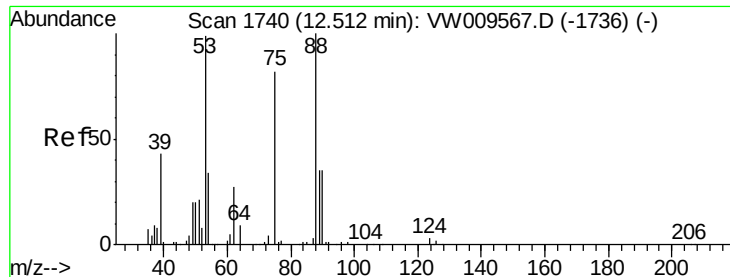
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 145.755 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion:105 Resp: 2289395
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 171.291 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 174376

Ion Ratio Lower Upper

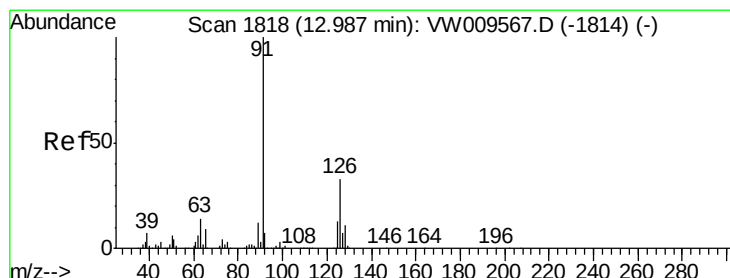
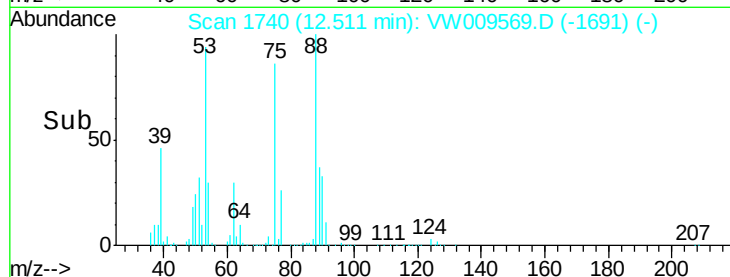
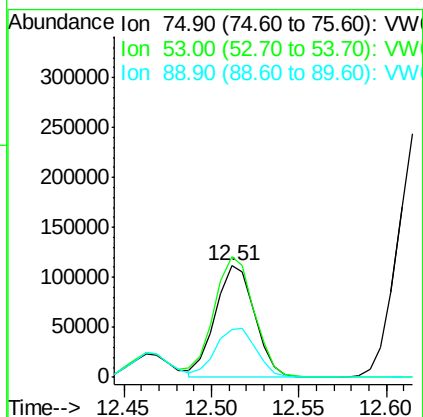
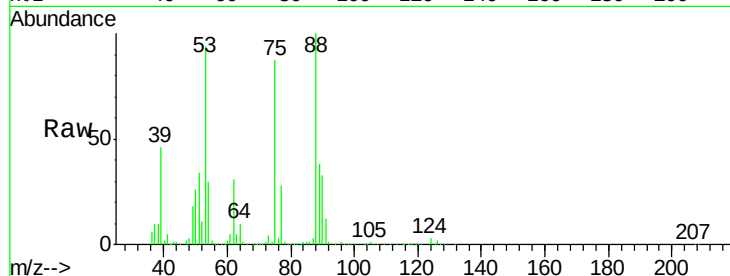
75 100

53 111.8 86.7 130.1

89 46.2 36.4 54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 147.155 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW009569.D

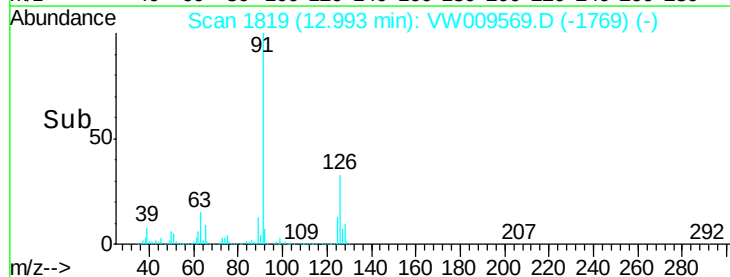
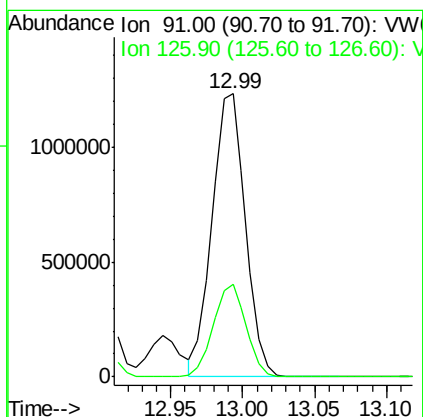
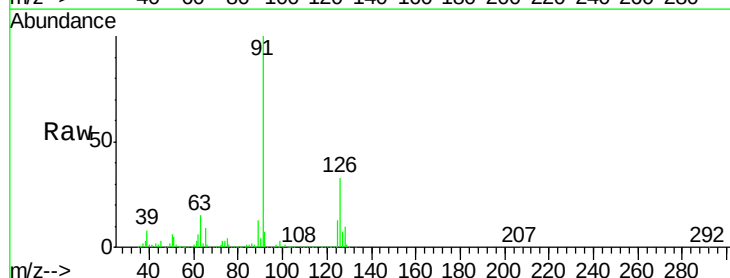
Acq: 29 Mar 2019 12:10

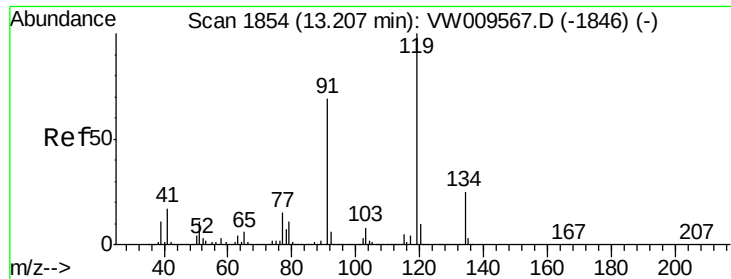
Tgt Ion: 91 Resp: 1991130

Ion Ratio Lower Upper

91 100

126 32.3 16.9 50.6





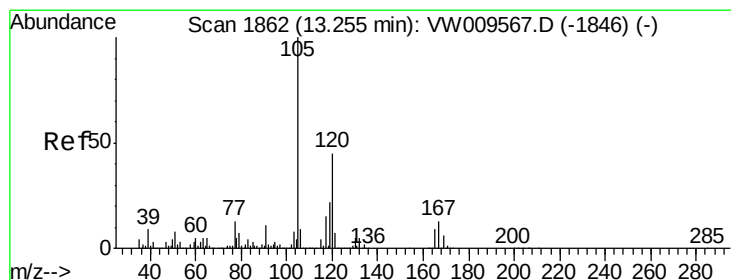
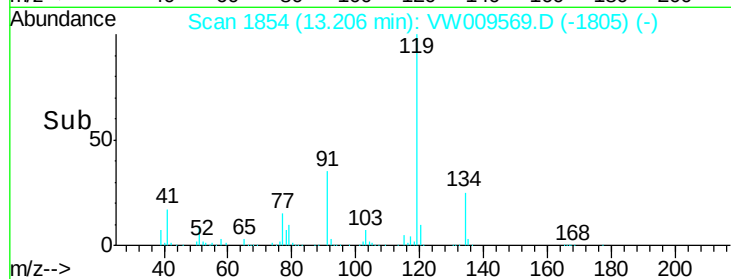
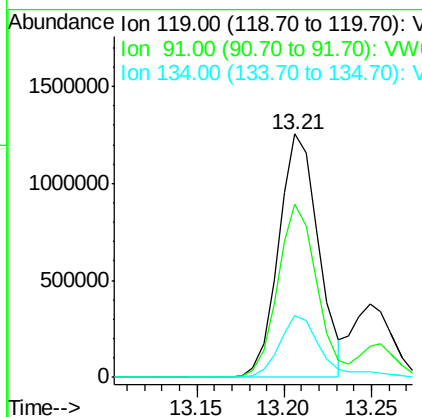
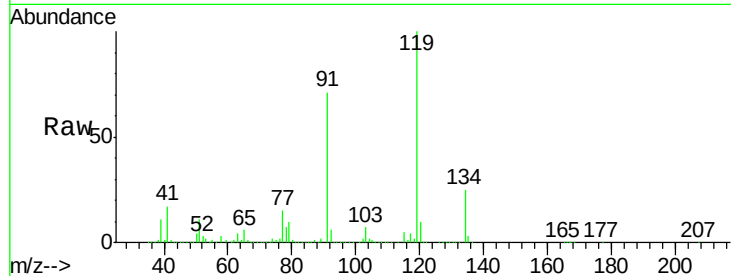
#83
 tert-Butylbenzene
 Concen: 148.734 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1987736
 Ion Ratio Lower Upper
 119 100
 91 70.0 34.4 103.2
 134 27.0 12.7 38.1

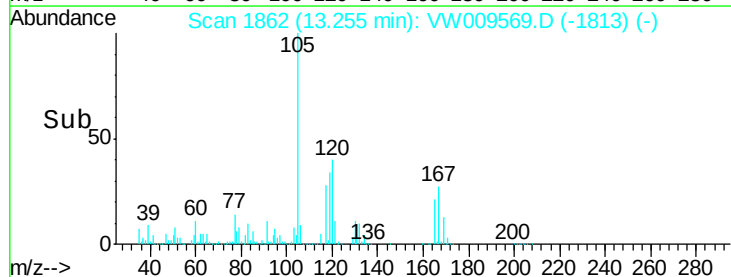
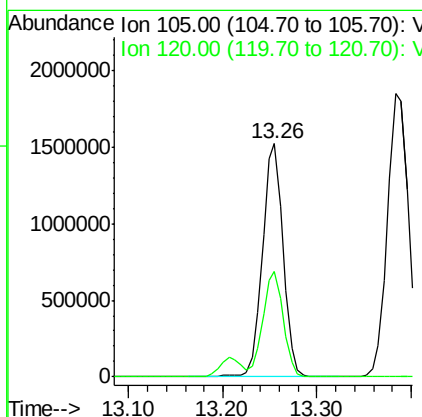
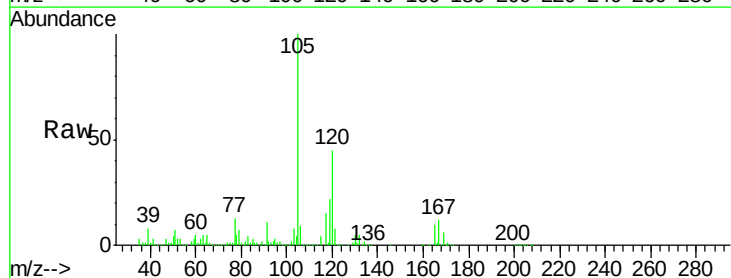
Manual Integrations
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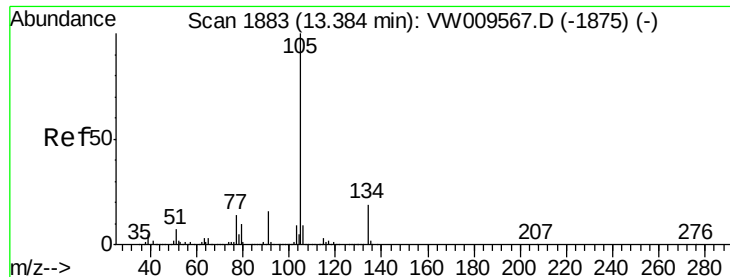
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#84
 1,2,4-Trimethylbenzene
 Concen: 144.892 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion:105 Resp: 2349985
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.3





#85

sec-Butylbenzene

Concen: 142.374 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2889722

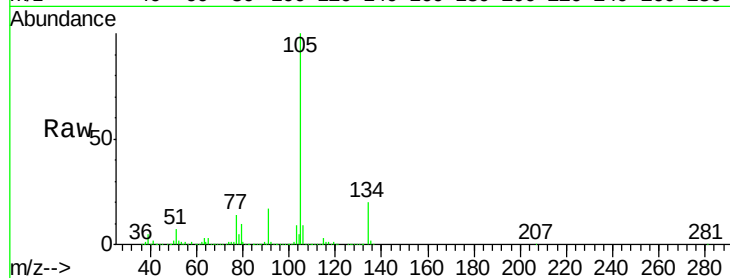
Ion Ratio Lower Upper

105 100

134 20.0 10.2 30.6

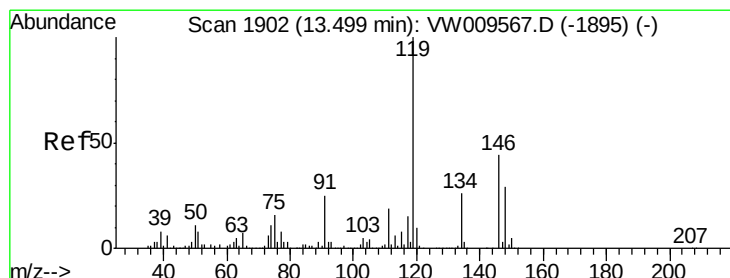
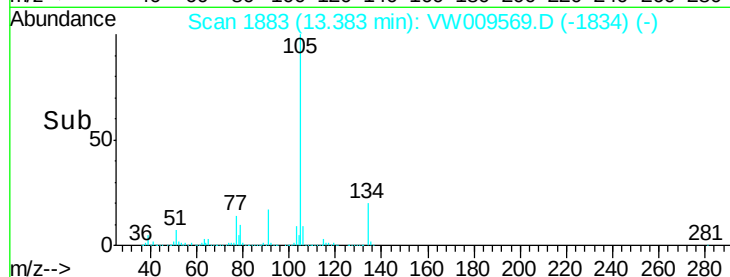
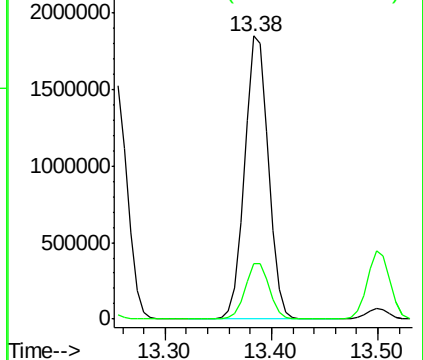
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 145.169 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

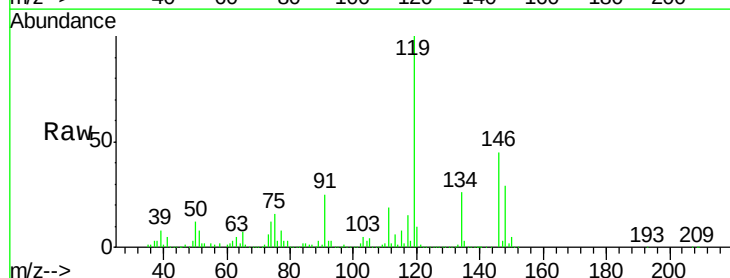
Tgt Ion:119 Resp: 2560962

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

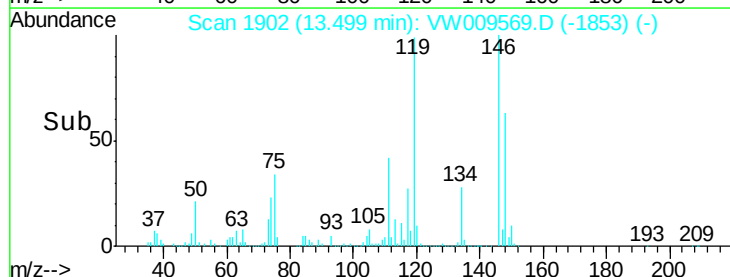
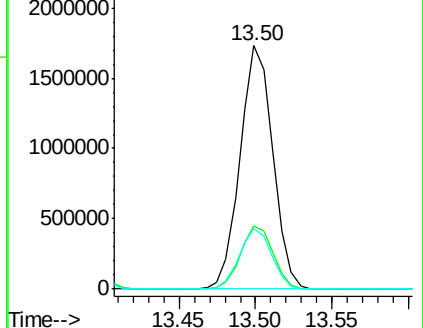
91 24.7 12.3 36.8

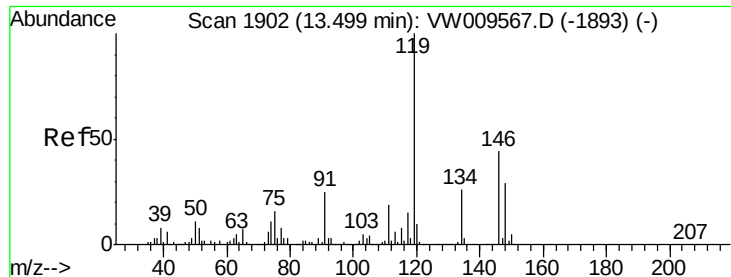


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 143.318 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1220455

Ion Ratio Lower Upper

146 100

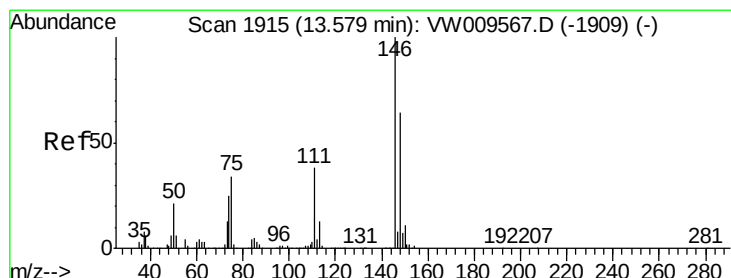
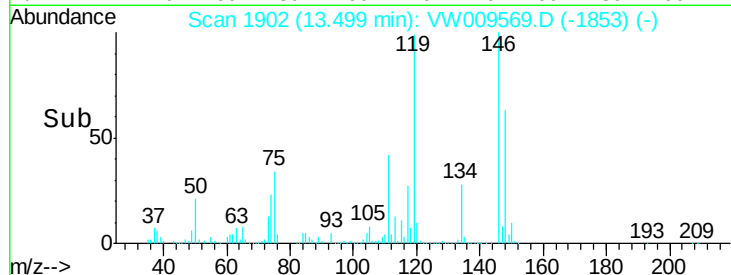
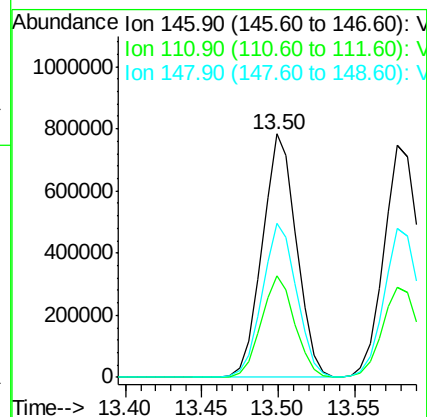
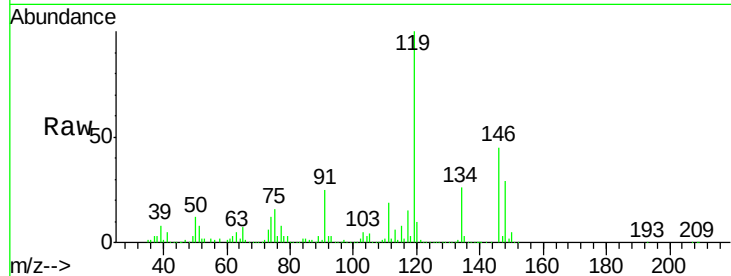
111 40.8 20.1 60.2

148 63.4 31.4 94.3

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#88

1,4-Dichlorobenzene

Concen: 140.346 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW009569.D

Acq: 29 Mar 2019 12:10

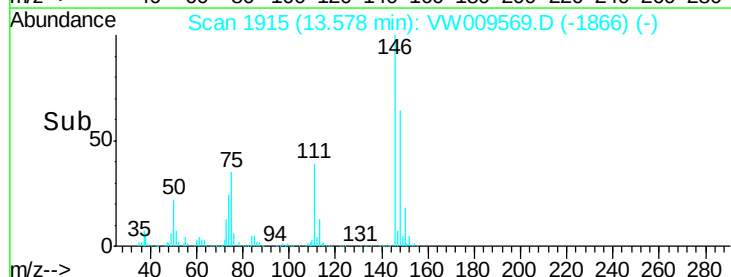
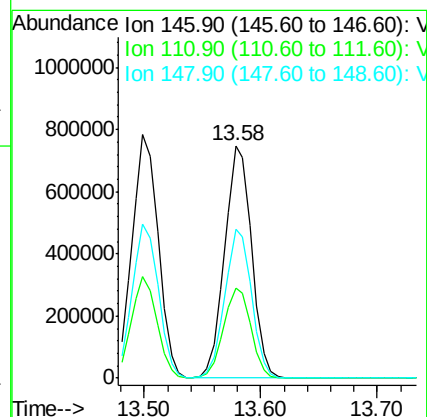
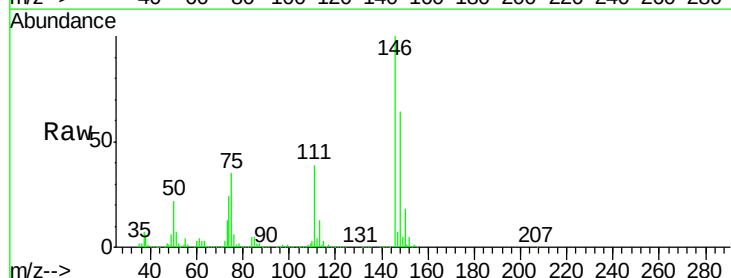
Tgt Ion:146 Resp: 1188284

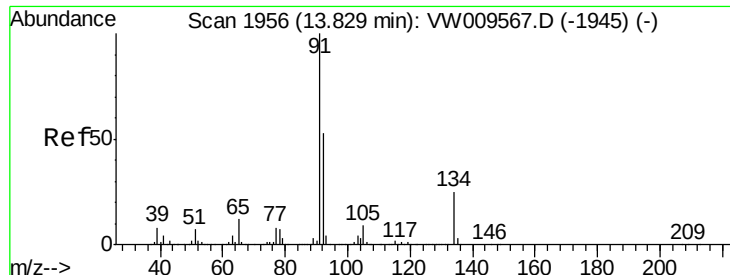
Ion Ratio Lower Upper

146 100

111 39.4 19.9 59.6

148 63.9 32.2 96.6





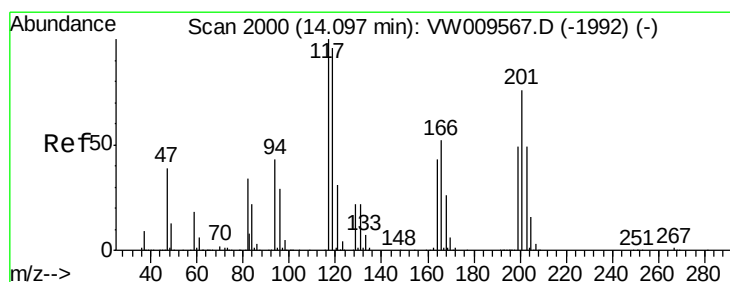
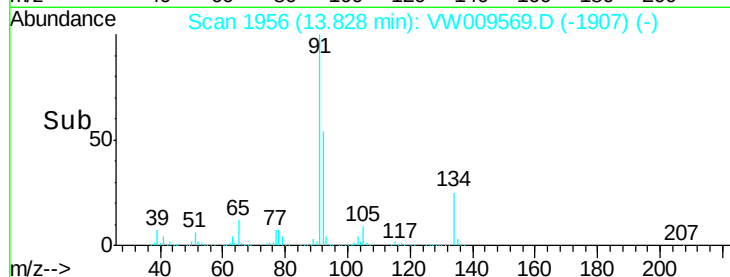
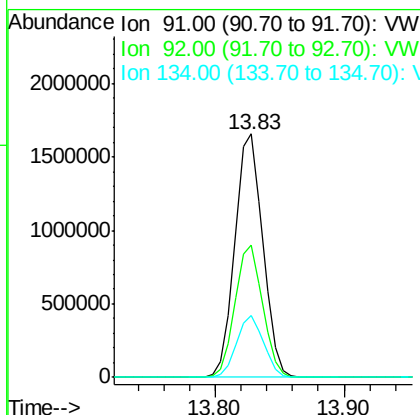
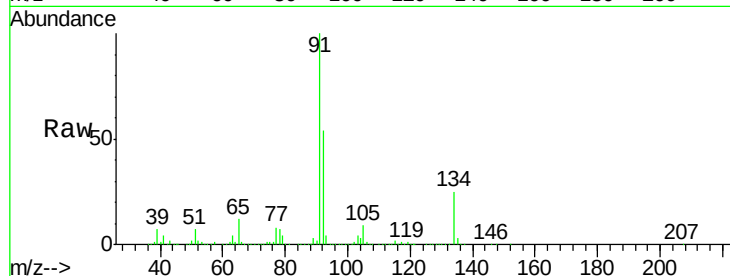
#89
n-Butylbenzene
Concen: 143.397 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2491211
Ion Ratio Lower Upper
91 100
92 53.8 26.4 79.0
134 24.8 12.9 38.6

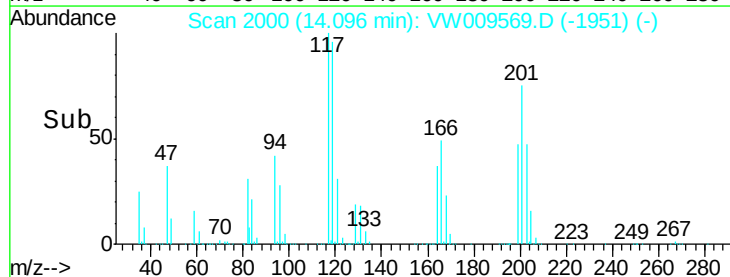
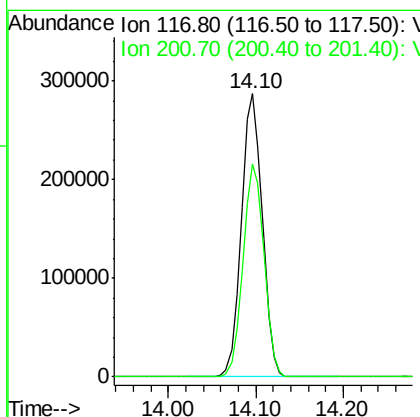
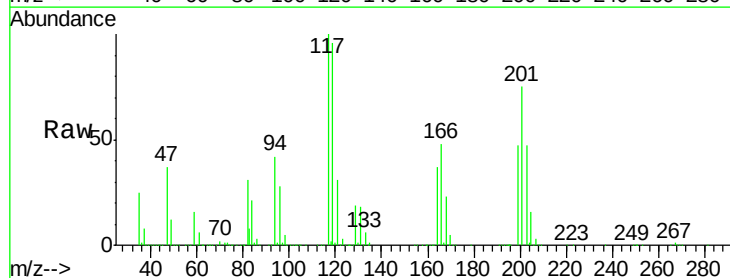
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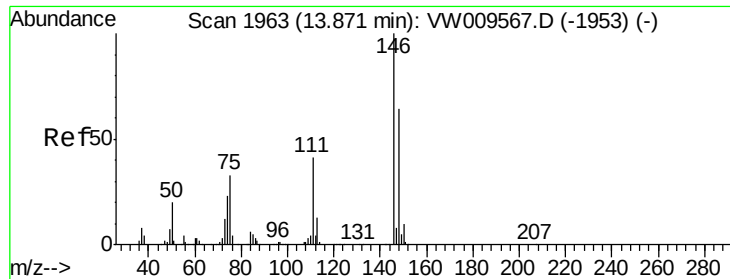
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#90
Hexachloroethane
Concen: 145.606 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion: 117 Resp: 475834
Ion Ratio Lower Upper
117 100
201 75.1 38.2 114.6





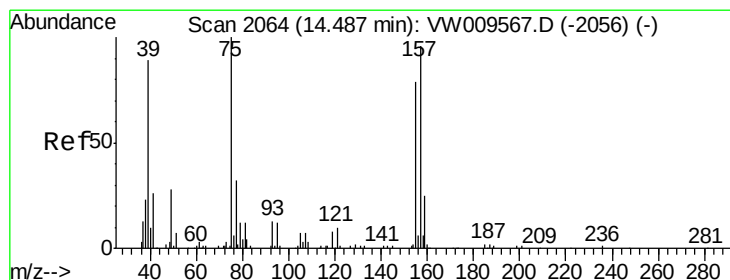
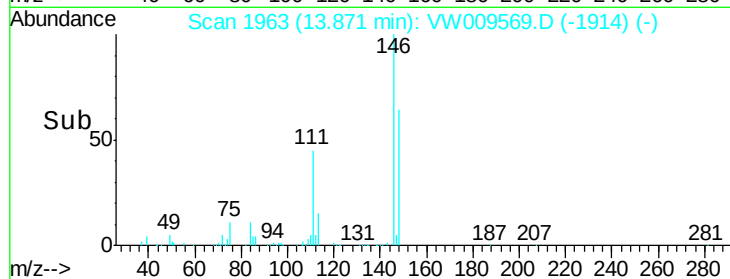
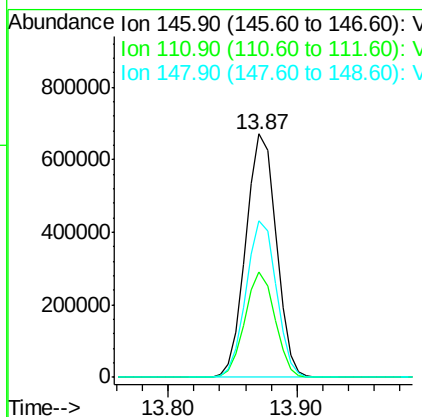
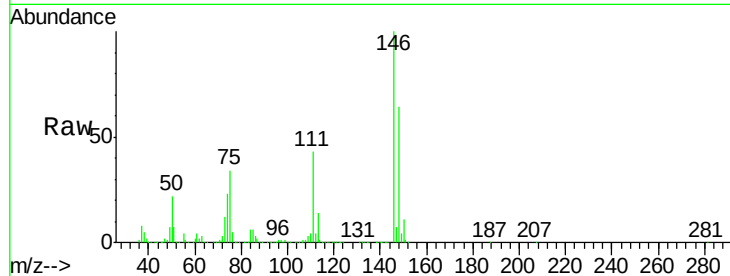
#91
 1,2-Dichlorobenzene
 Concen: 142.664 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.4	61.2
148	63.9	31.9	95.9

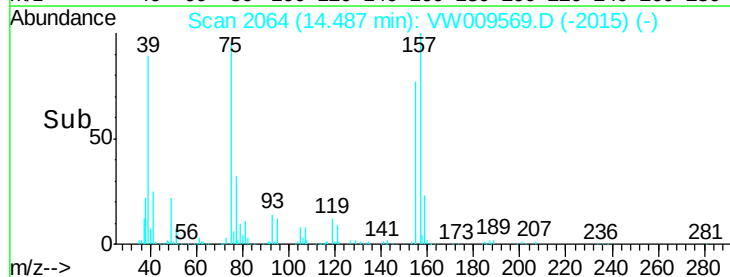
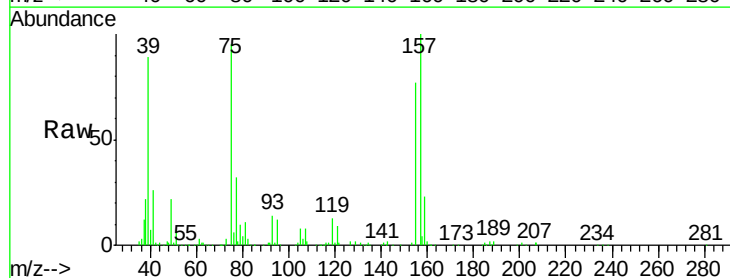
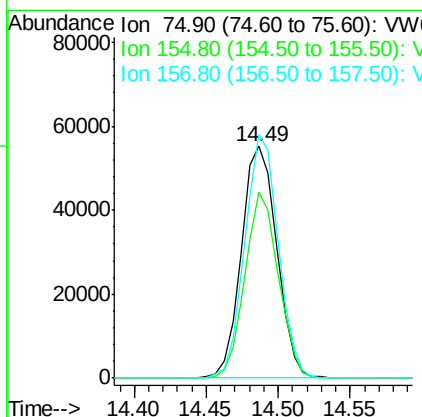
Manual Integrations
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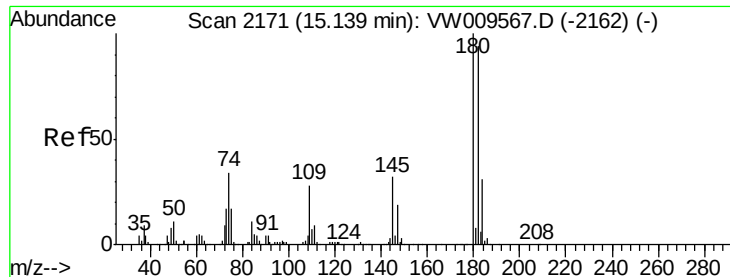
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 155.900 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009569.D
 Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	39.3	117.8
157	99.2	49.5	148.5





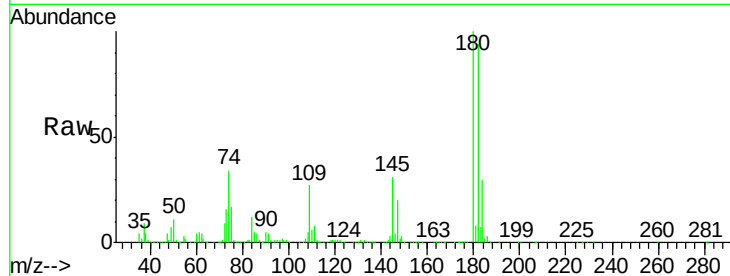
#93
1,2,4-Trichlorobenzene
Concen: 145.683 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

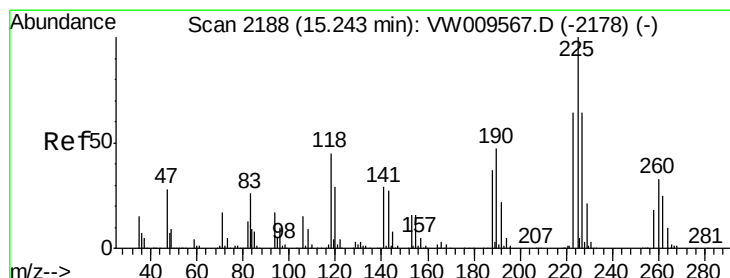
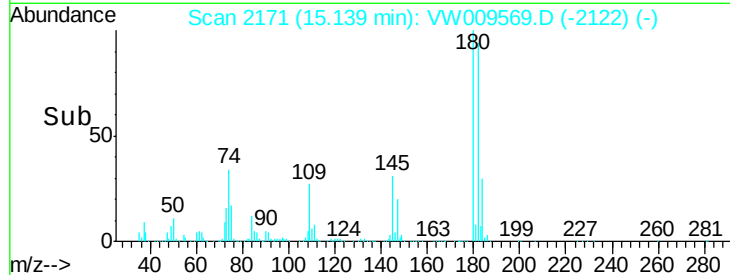
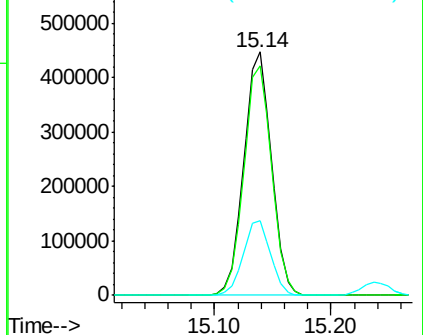
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	47.9	143.7	
145	30.6	15.0	45.0	

Manual Integrations
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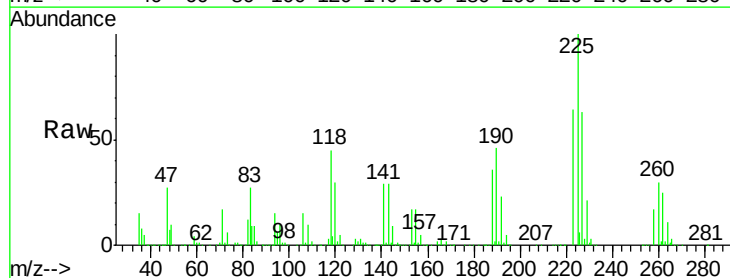


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

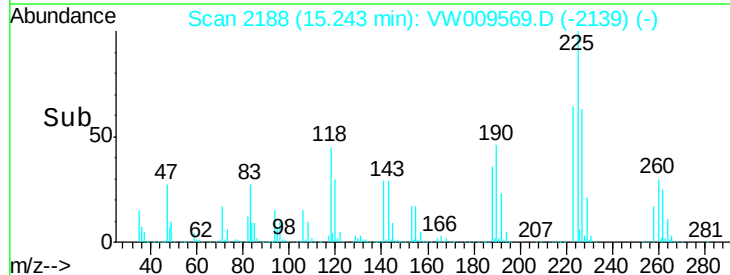
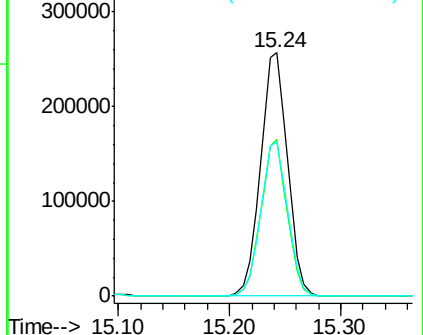


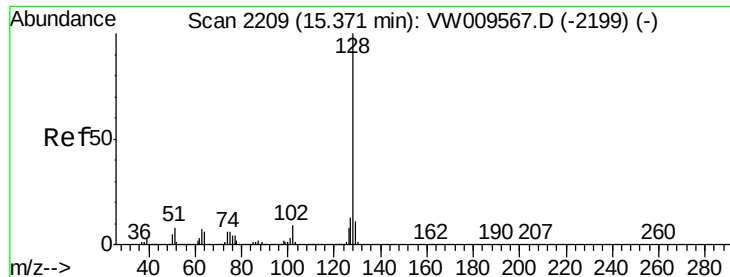
#94
Hexachlorobutadiene
Concen: 137.894 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.4	94.3	
227	63.4	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





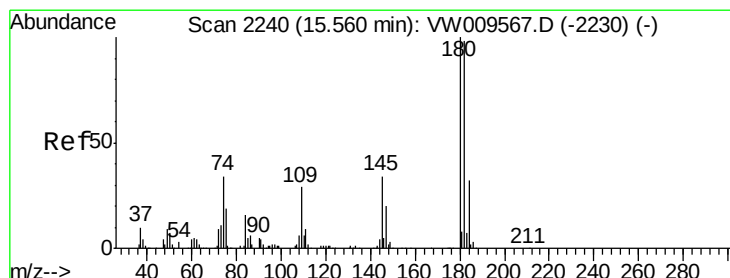
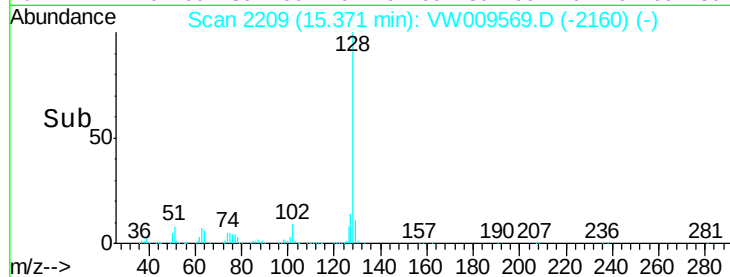
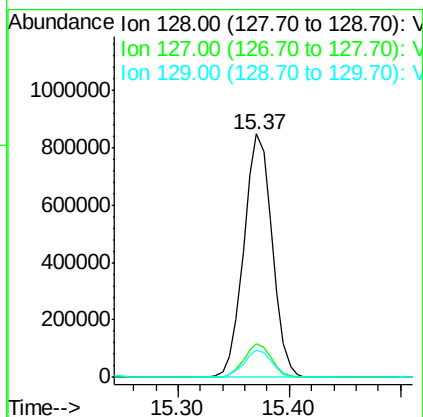
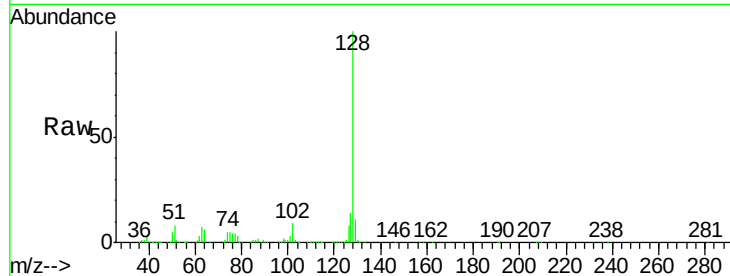
#95
Naphthalene
Concen: 158.737 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.7	13.1

Manual Integrations
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4/1/2019 4:04:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 146.344 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009569.D
Acq: 29 Mar 2019 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	32.3	16.0	48.0

