

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009565.D
 Acq On : 29 Mar 2019 10:21
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:44 AM

Quant Time: Mar 29 13:22:48 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	295406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	33537	9.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.56%	
35) Dibromofluoromethane	7.88	113	28653	9.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.72%	
50) Toluene-d8	10.32	98	103103	9.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.38%	
62) 4-Bromofluorobenzene	12.62	95	37855	9.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22171	12.836	ug/l	92
3) Chloromethane	2.21	50	25108	10.986	ug/l	96
4) Vinyl Chloride	2.37	62	34565	11.018	ug/l	97
5) Bromomethane	2.78	94	27323	11.531	ug/l	99
6) Chloroethane	2.92	64	25458	10.735	ug/l	98
7) Trichlorofluoromethane	3.25	101	22322	10.255	ug/l	88
8) Diethyl Ether	3.68	74	15226	9.901	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	32478	11.174	ug/l	97
10) Methyl Iodide	4.26	142	42231	10.344	ug/l	94
11) Tert butyl alcohol	5.18	59	8785m	46.409	ug/l	
12) 1,1-Dichloroethene	4.03	96	28847	10.461	ug/l	93
13) Acrolein	3.88	56	6891	48.100	ug/l #	82
14) Allyl chloride	4.66	41	42870	9.425	ug/l	94
15) Acrylonitrile	5.37	53	32638	47.889	ug/l	98
16) Acetone	4.12	43	36323	47.612	ug/l	97
17) Carbon Disulfide	4.38	76	83444	10.832	ug/l	99
18) Methyl Acetate	4.67	43	15219	8.541	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	38453	9.650	ug/l	94
20) Methylene Chloride	4.91	84	38083	12.652	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	29631	9.998	ug/l	92
22) Diisopropyl ether	6.31	45	93614	9.420	ug/l	98
23) Vinyl Acetate	6.25	43	276642	44.173	ug/l	98
24) 1,1-Dichloroethane	6.21	63	59031	10.139	ug/l	99
25) 2-Butanone	7.17	43	48390	46.589	ug/l	94
26) 2,2-Dichloropropane	7.17	77	34065	10.226	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	31848	9.702	ug/l	93
28) Bromochloromethane	7.51	49	23846	9.706	ug/l #	96
29) Tetrahydrofuran	7.53	42	28948	44.523	ug/l	99
30) Chloroform	7.67	83	62555	10.447	ug/l	96
31) Cyclohexane	7.95	56	56785	10.925	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	50046	10.263	ug/l	98
36) 1,1-Dichloropropene	8.08	75	48083	10.035	ug/l	98
37) Ethyl Acetate	7.25	43	21101	9.375	ug/l	97
38) Carbon Tetrachloride	8.06	117	48169	9.928	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	50293	9.110	ug/l	89
40) Benzene	8.32	78	127602	9.846	ug/l	98
41) Methacrylonitrile	7.49	41	10896	8.136	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	43766	10.119	ug/l	99
43) Isopropyl Acetate	8.42	43	39125	8.971	ug/l	98
44) Trichloroethene	9.09	130	32879	9.830	ug/l	100
45) 1,2-Dichloropropane	9.37	63	33100	10.017	ug/l	100
46) Dibromomethane	9.46	93	17600	9.962	ug/l	94
47) Bromodichloromethane	9.64	83	43458	9.441	ug/l	96
48) Methyl methacrylate	9.44	41	18165	8.401	ug/l	94
49) 1,4-Dioxane	9.45	88	4480	163.999	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	105577	44.163	ug/l	98
52) Toluene	10.39	92	77599	9.336	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38996	8.510	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	46418	9.114	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	23541	9.796	ug/l	95
56) Ethyl methacrylate	10.65	69	24223	7.753	ug/l	95
57) 1,3-Dichloropropane	10.93	76	41068	9.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	56876	37.160	ug/l	96
59) 2-Hexanone	10.97	43	69933	41.117	ug/l	97
60) Dibromochloromethane	11.13	129	27492	9.422	ug/l	98
61) 1,2-Dibromoethane	11.24	107	22277	9.606	ug/l	98
64) Tetrachloroethene	10.86	164	28555	10.173	ug/l	95
65) Chlorobenzene	11.66	112	89755	10.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	32245	9.936	ug/l	99
67) Ethyl Benzene	11.73	91	150198	9.283	ug/l	100
68) m/p-Xylenes	11.84	106	114934	18.693	ug/l	98
69) o-Xylene	12.16	106	52325	9.072	ug/l	99
70) Styrene	12.18	104	86977	8.925	ug/l	98
71) Bromoform	12.35	173	15973	9.121	ug/l #	99
73) Isopropylbenzene	12.46	105	144138	8.517	ug/l	100
74) N-amyl acetate	12.27	43	35847	8.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	28503	9.550	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	19879m	9.174	ug/l	
77) Bromobenzene	12.75	156	35313	9.362	ug/l	100
78) n-propylbenzene	12.80	91	181265	8.695	ug/l	99
79) 2-Chlorotoluene	12.90	91	104705	8.938	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	125609	8.771	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	7785	8.387	ug/l	90
82) 4-Chlorotoluene	12.99	91	110784	8.980	ug/l	99
83) tert-Butylbenzene	13.21	119	103212	8.470	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	127711	8.636	ug/l	99
85) sec-Butylbenzene	13.39	105	161963	8.752	ug/l	99
86) p-Isopropyltoluene	13.50	119	138392	8.604	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	72728	9.367	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	75092	9.727	ug/l	98
89) n-Butylbenzene	13.83	91	135819	8.574	ug/l	99
90) Hexachloroethane	14.10	117	27126	9.104	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	64908	9.286	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5158	9.386	ug/l	96

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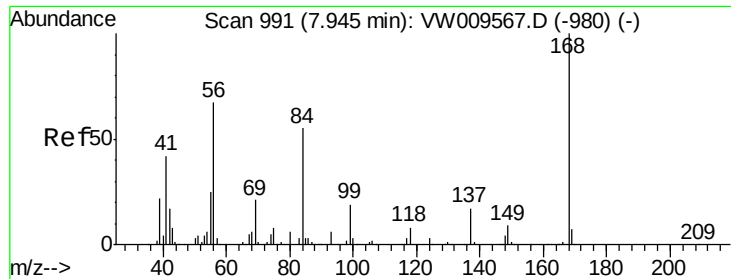
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	38906	8.403	ug/l	92
94) Hexachlorobutadiene	15.24	225	26789	9.308	ug/l	96
95) Naphthalene	15.37	128	65084	7.576	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	35870	8.793	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 295406

Ion Ratio Lower Upper

168 100

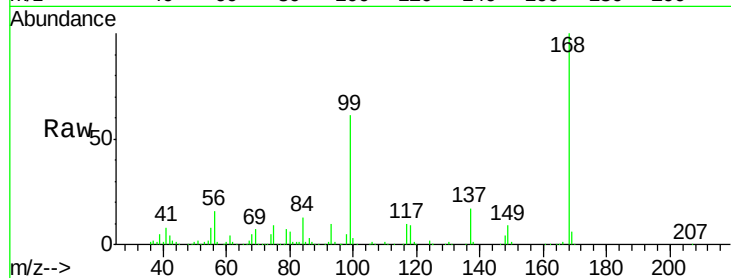
99 61.0 45.4 68.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

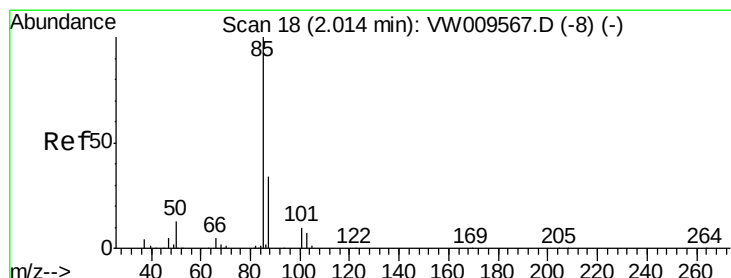
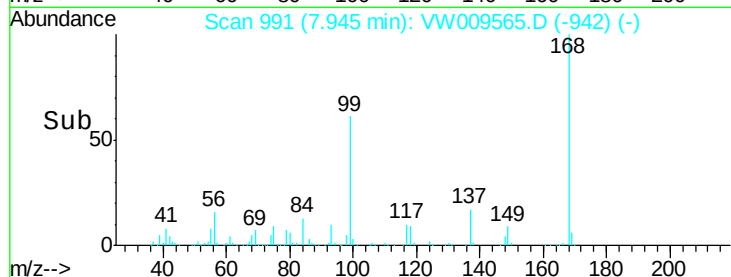
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 12.836 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009565.D

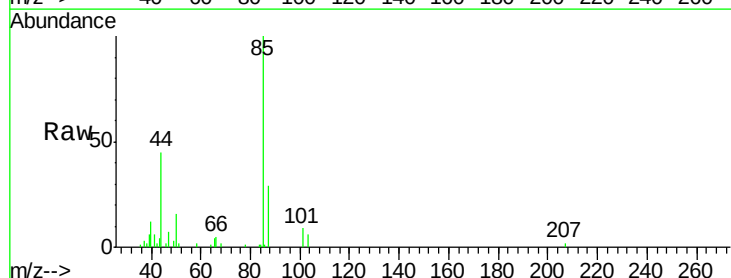
Acq: 29 Mar 2019 10:21

Tgt Ion: 85 Resp: 22171

Ion Ratio Lower Upper

85 100

87 29.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

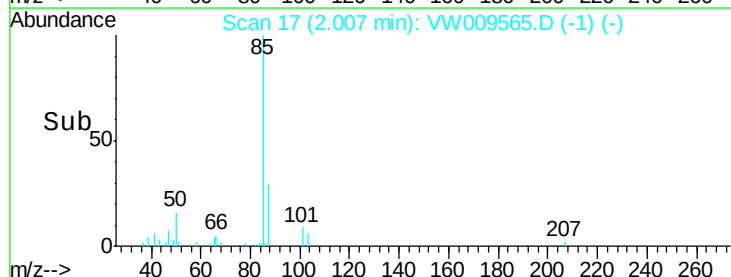
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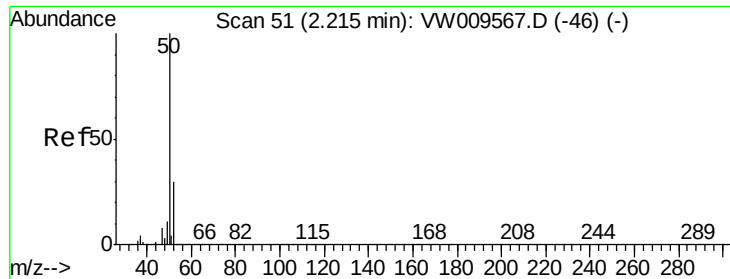
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 10.986 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 25108

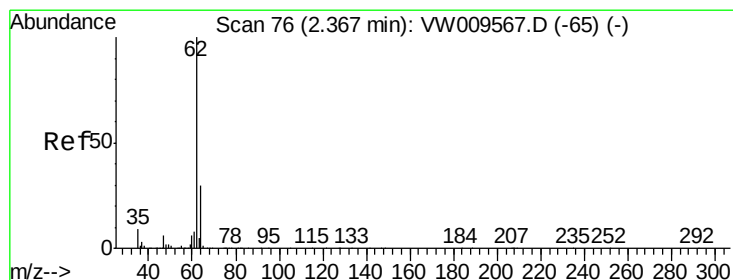
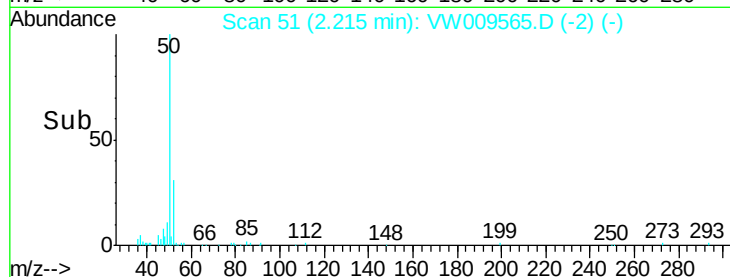
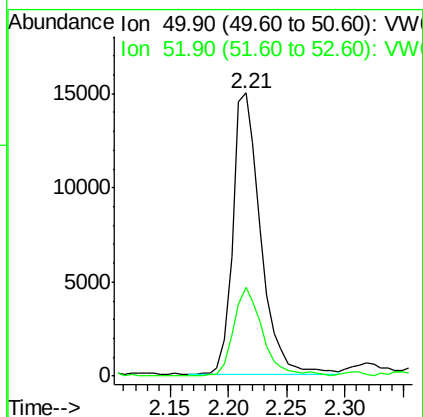
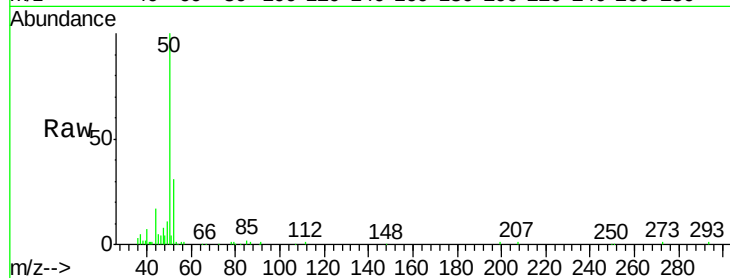
Ion Ratio Lower Upper

50 100

52 31.6 27.2 40.8

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#4

Vinyl Chloride

Concen: 11.018 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009565.D

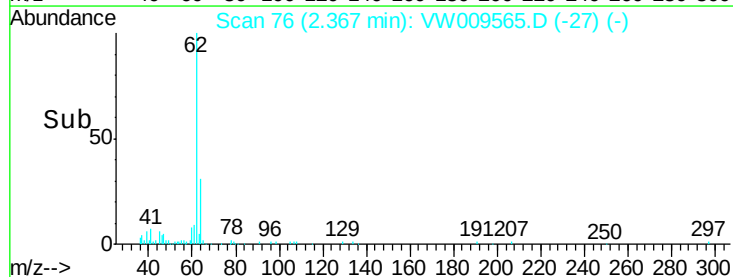
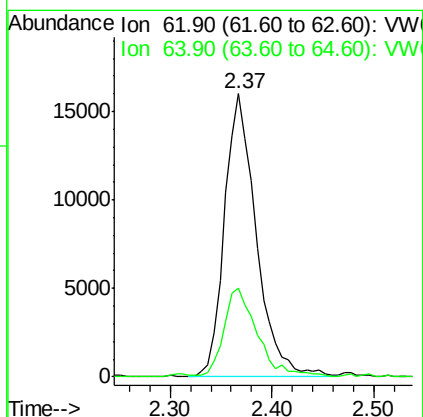
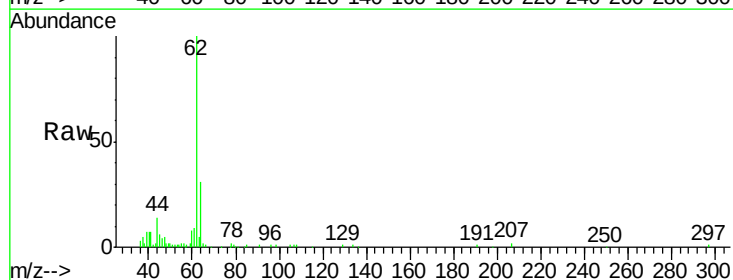
Acq: 29 Mar 2019 10:21

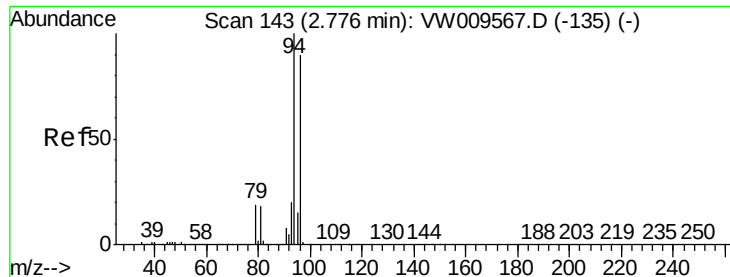
Tgt Ion: 62 Resp: 34565

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.2





#5

Bromomethane

Concen: 11.531 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 27323

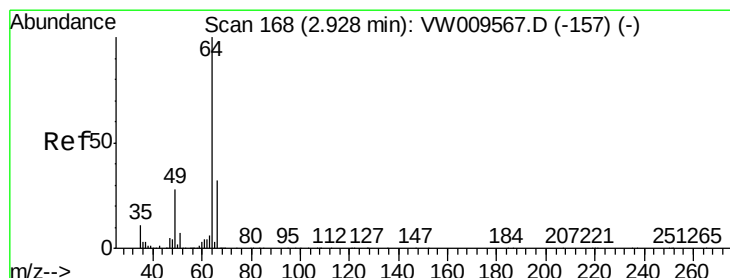
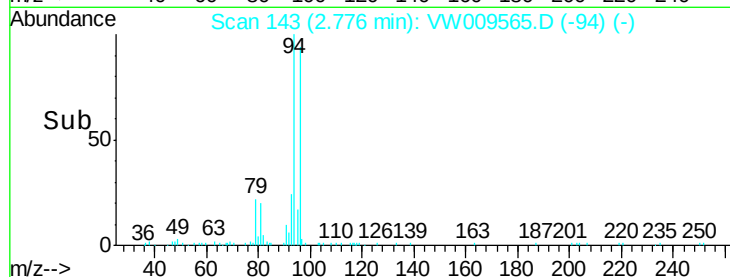
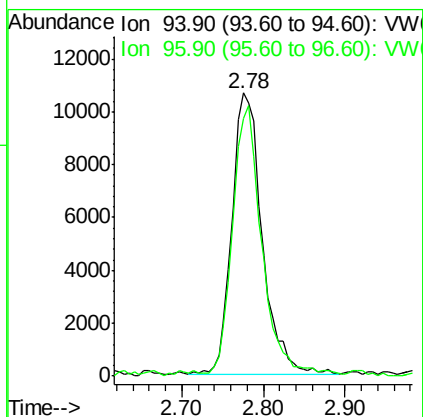
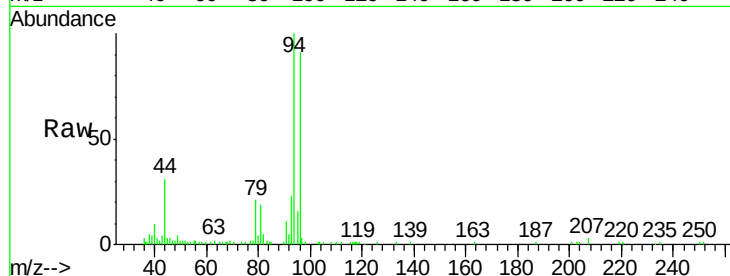
Ion Ratio Lower Upper

94 100

96 90.6 71.4 107.2

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#6

Chloroethane

Concen: 10.735 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009565.D

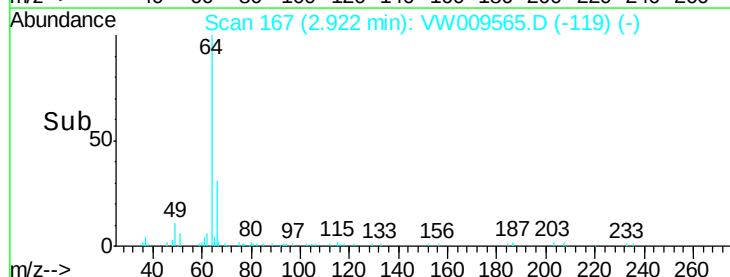
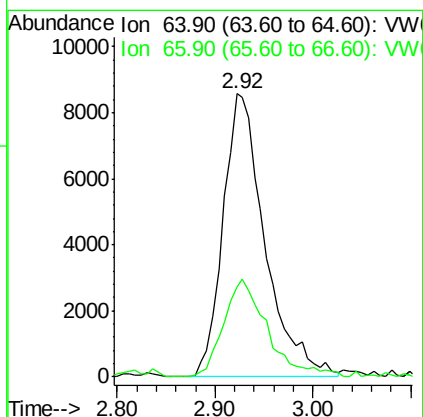
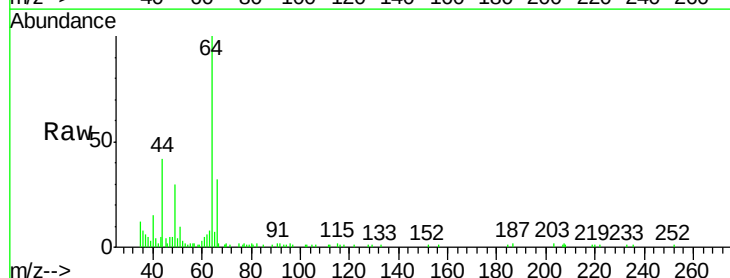
Acq: 29 Mar 2019 10:21

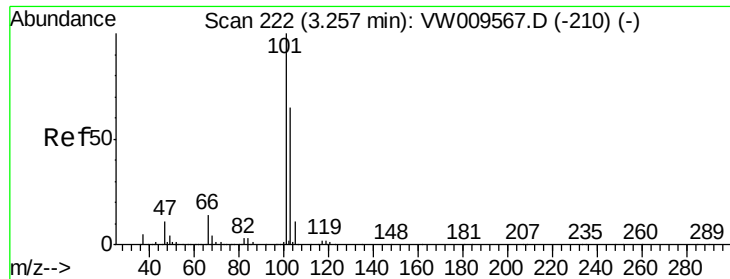
Tgt Ion: 64 Resp: 25458

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2





#7

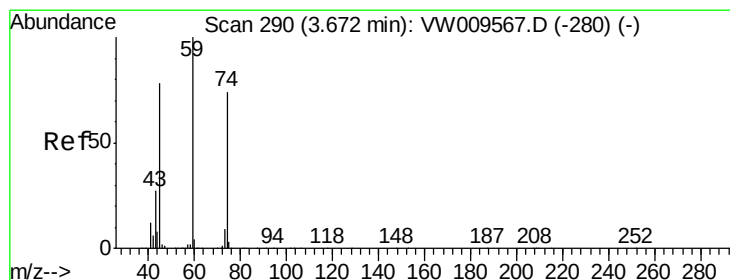
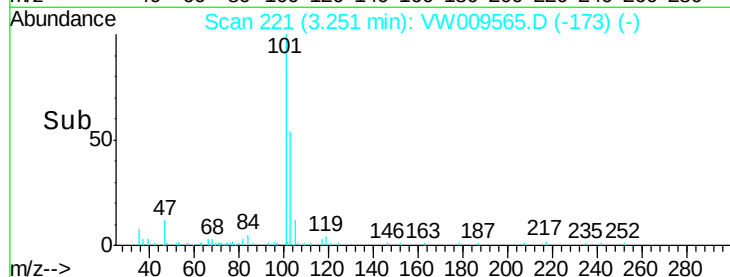
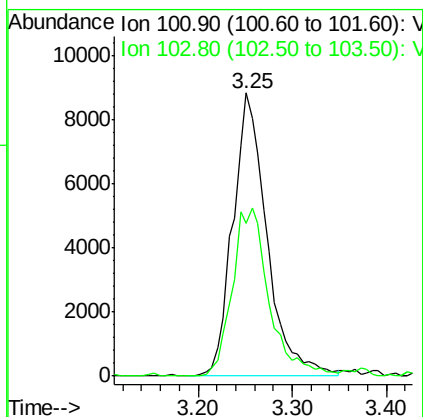
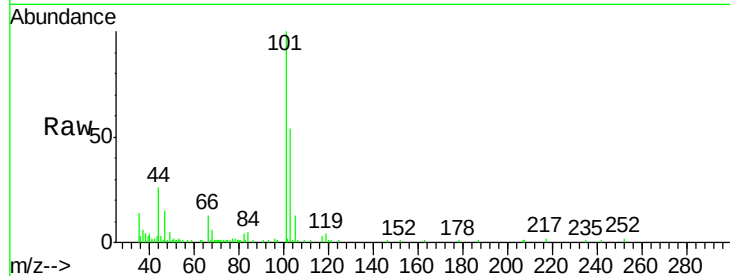
Trichlorofluoromethane
 Concen: 10.255 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
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 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.0	50.5	75.7

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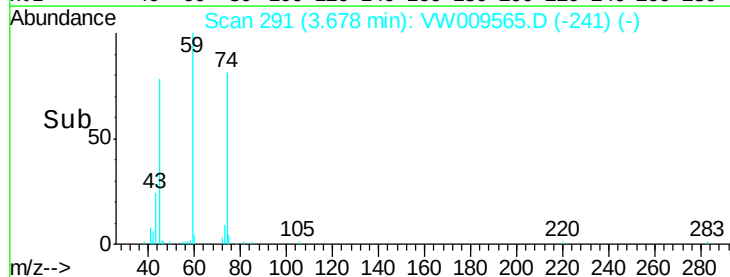
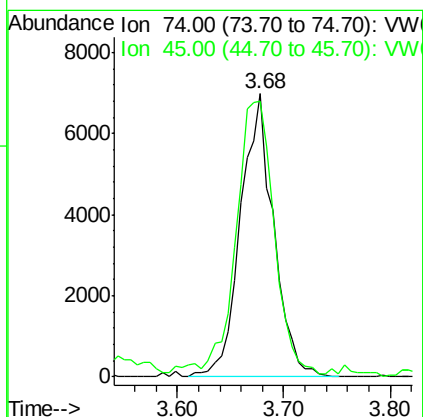
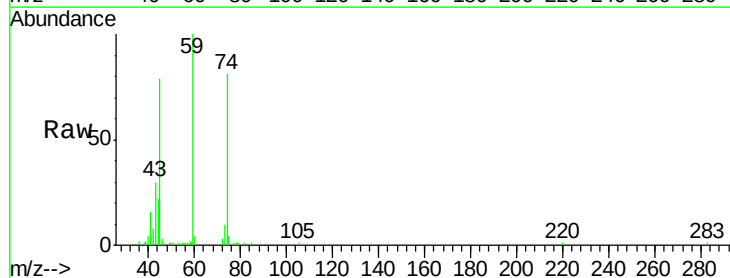
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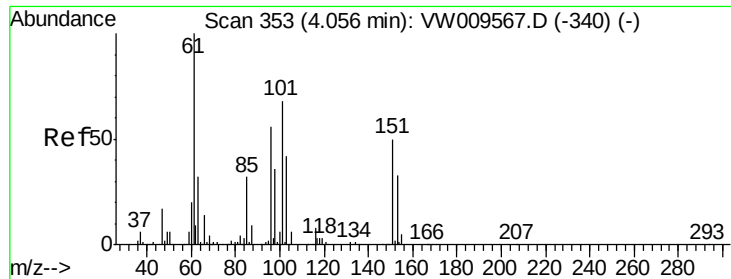


#8

Diethyl Ether
 Concen: 9.901 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.6	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.174 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

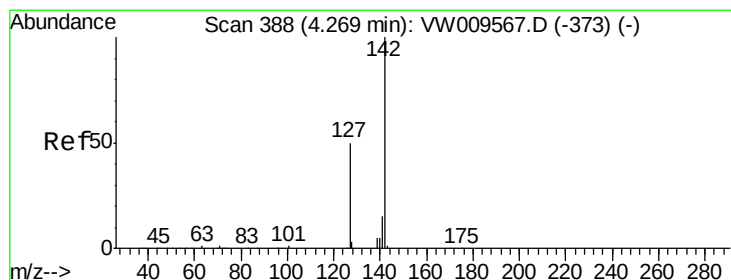
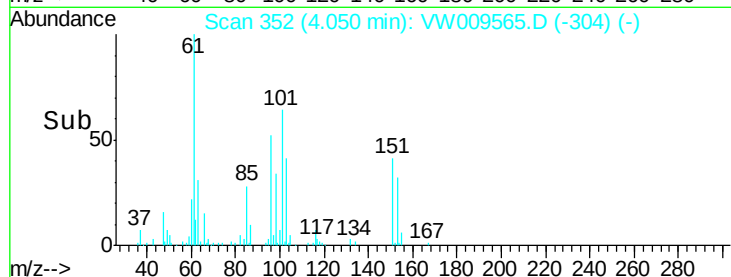
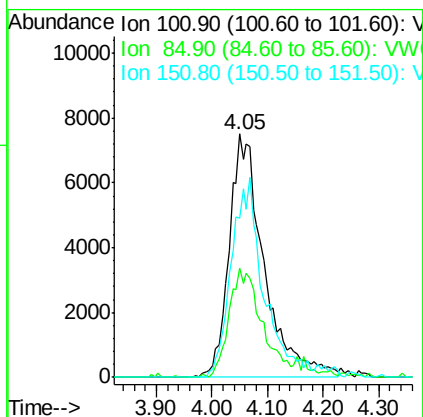
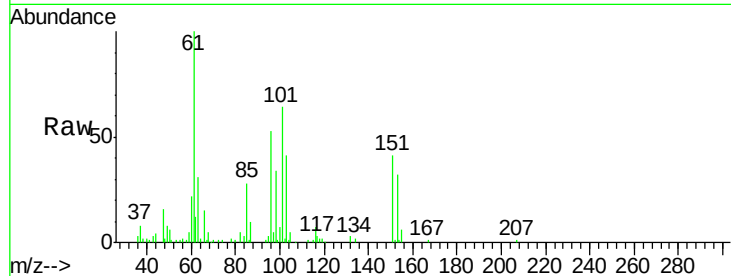
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	32478
Ion Ratio	Lower	Upper	
101	100		
85	41.9	35.1	52.7
151	75.9	62.9	94.3

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#10

Methyl Iodide

Concen: 10.344 ug/l

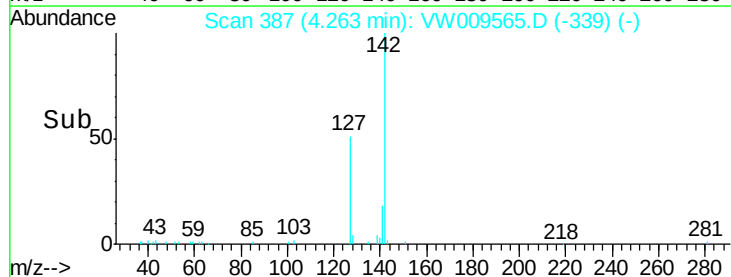
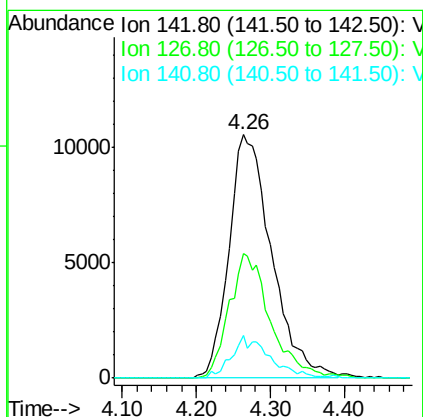
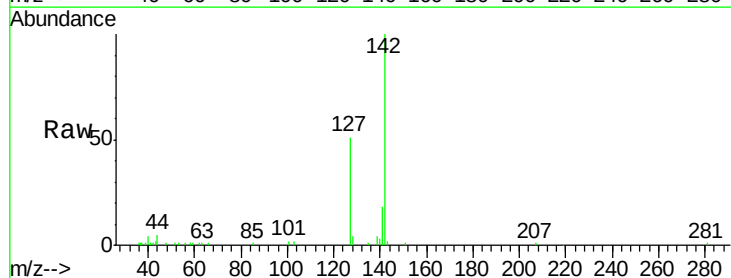
RT: 4.26 min Scan# 387

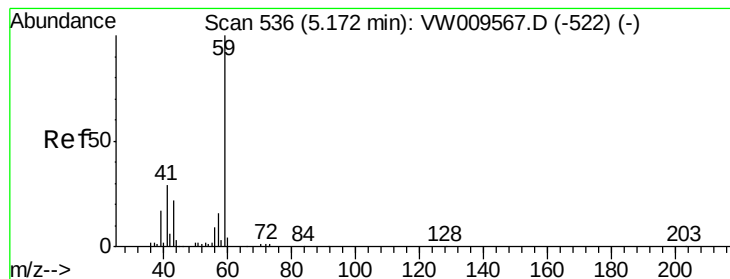
Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:	142	Resp:	42231
Ion Ratio	Lower	Upper	
142	100		
127	49.5	35.9	53.9
141	15.4	11.4	17.2





#11

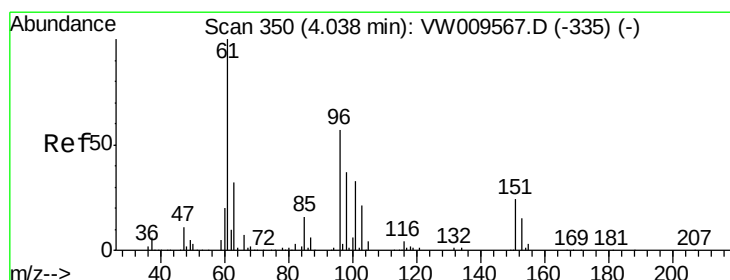
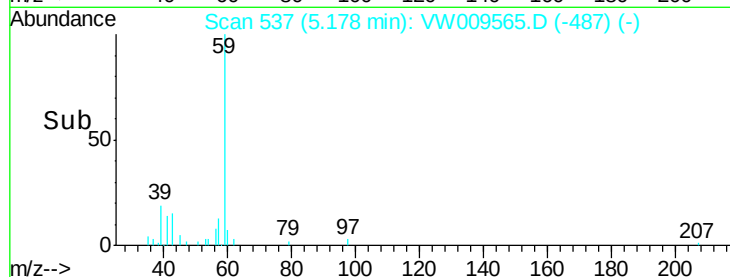
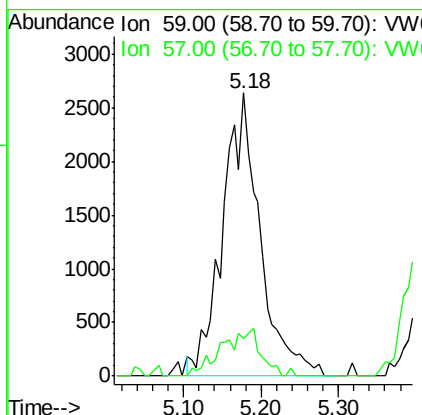
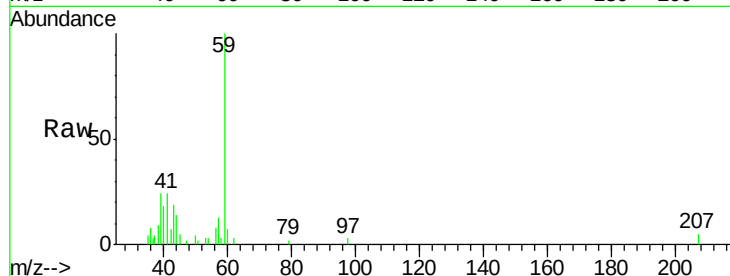
Tert butyl alcohol
Concen: 46.409 ug/l m
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	9.4	14.0#

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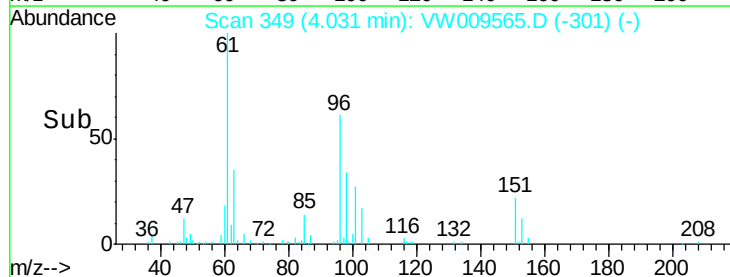
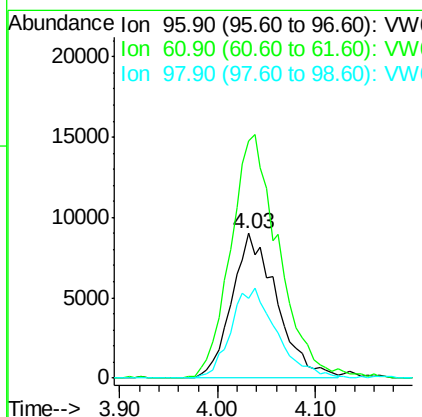
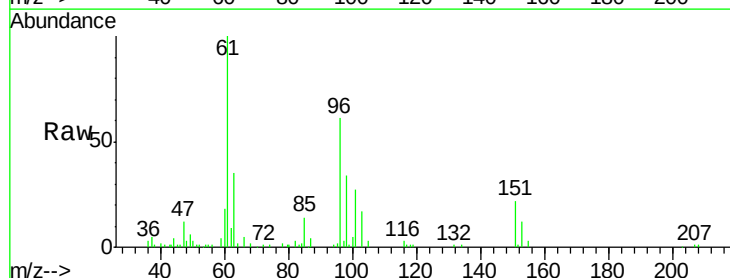
MMDadoda
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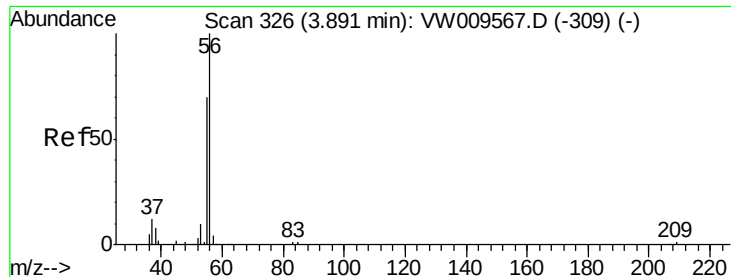


#12

1,1-Dichloroethene
Concen: 10.461 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	138.0	207.0
98	55.2	49.8	74.8





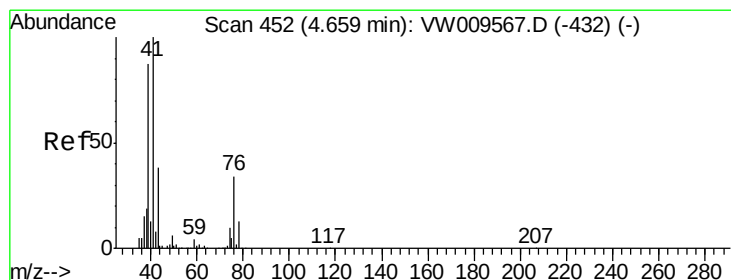
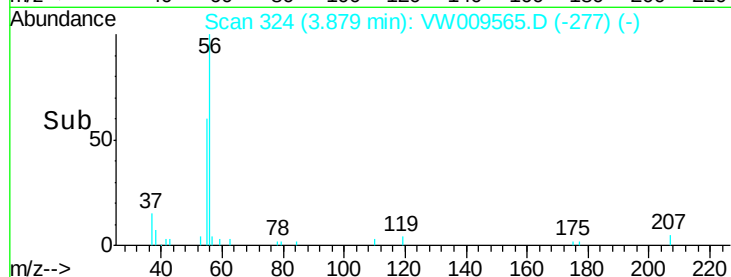
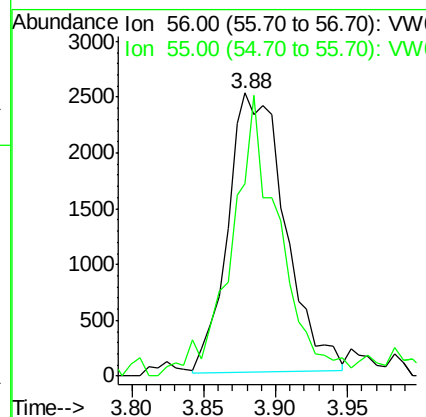
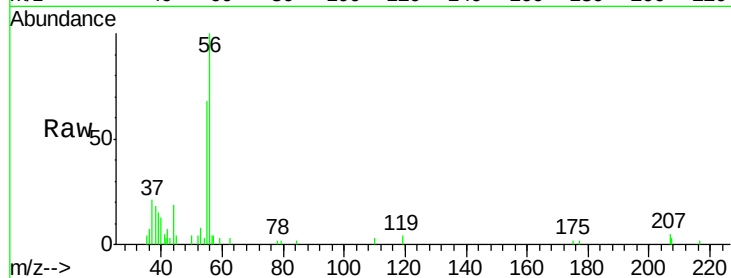
#13
Acrolein
Concen: 48.100 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
55	83.8	55.2	82.8#

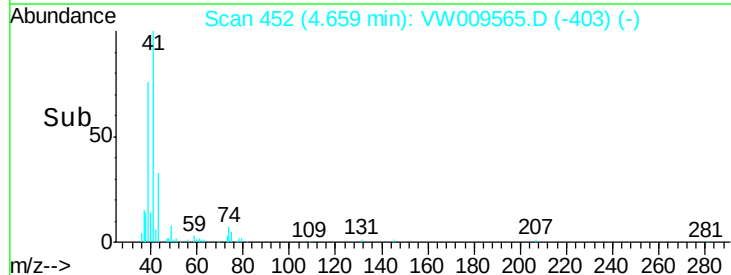
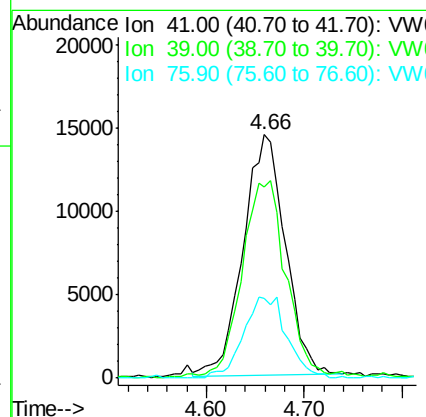
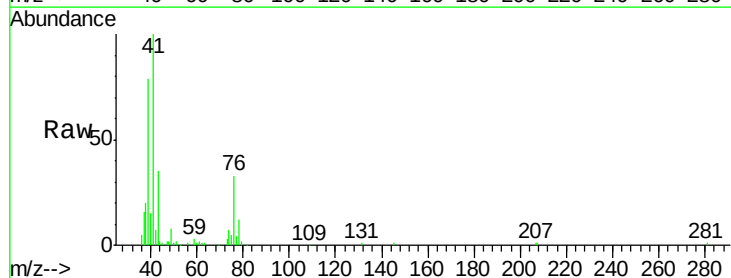
Manual Integrations
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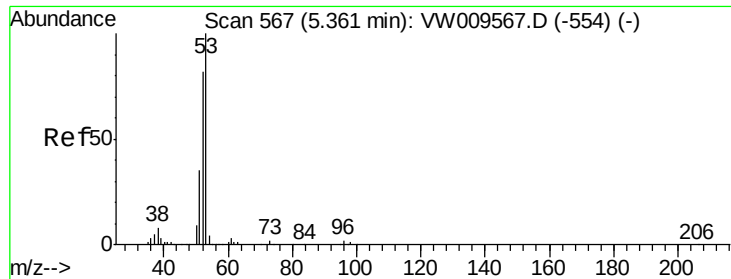
MMDadoda
4/1/2019 4:04:44 AM



#14
Allyl chloride
Concen: 9.425 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	86.7	63.8	95.6
76	34.9	27.8	41.6





#15

Acrylonitrile

Concen: 47.889 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

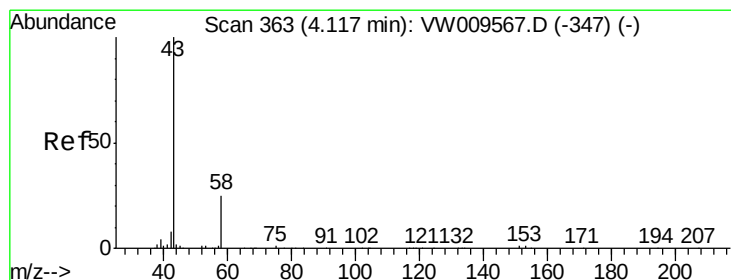
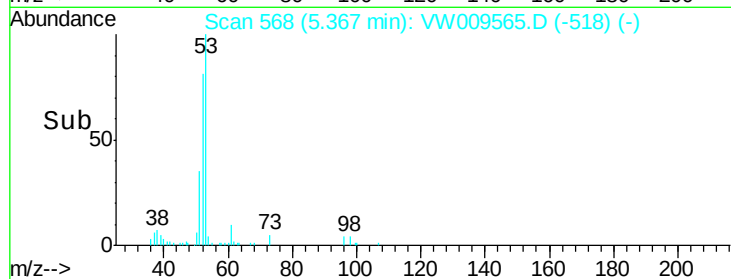
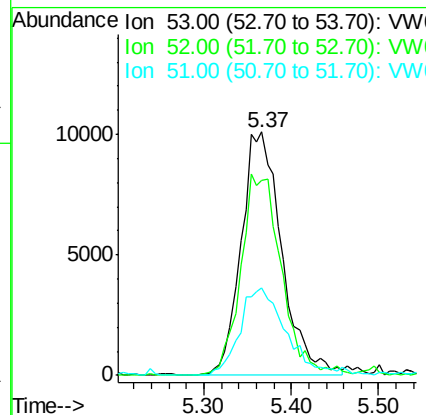
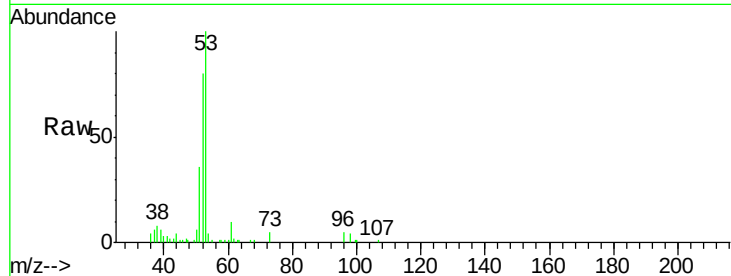
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	32638
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.6	101.4
51	39.9	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 47.612 ug/l

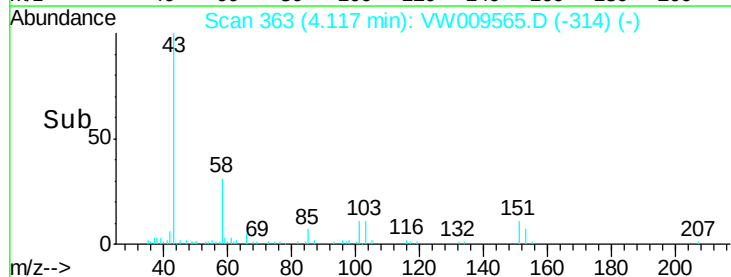
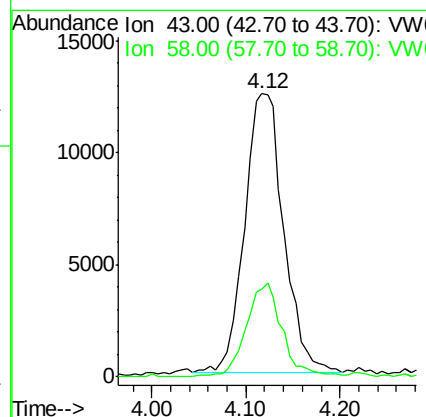
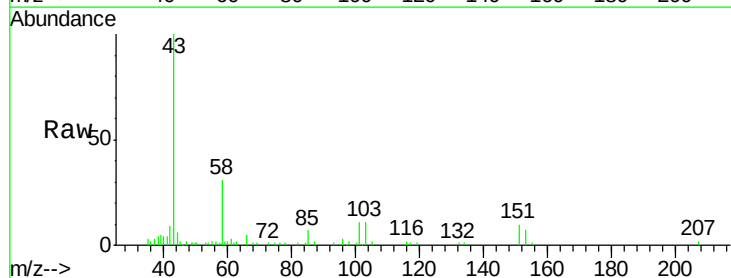
RT: 4.12 min Scan# 363

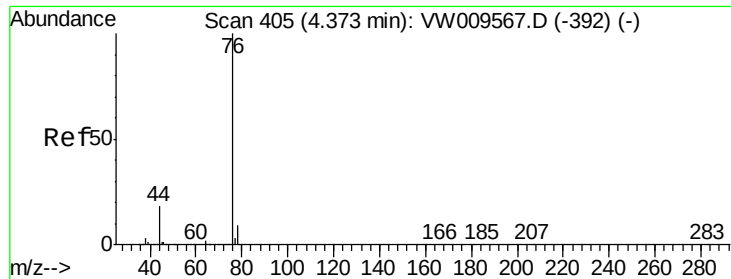
Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:	43	Resp:	36323
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.6	35.4





#17

Carbon Disulfide

Concen: 10.832 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 83444

Ion Ratio Lower Upper

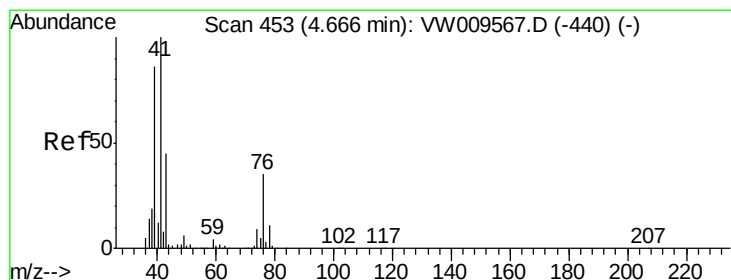
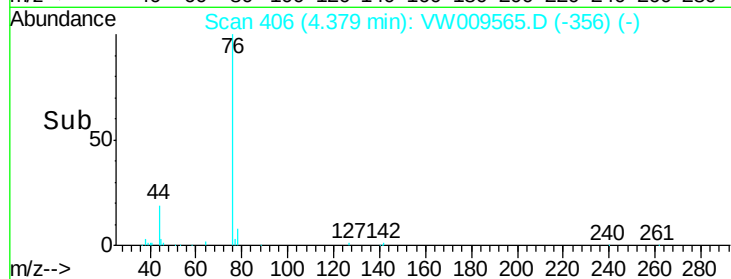
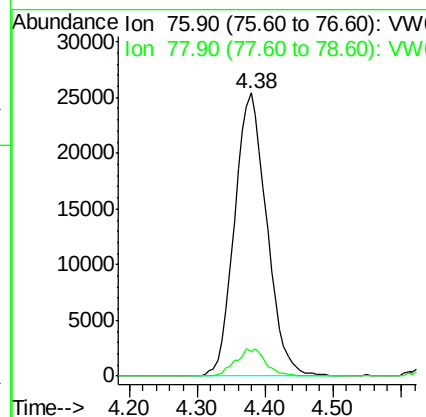
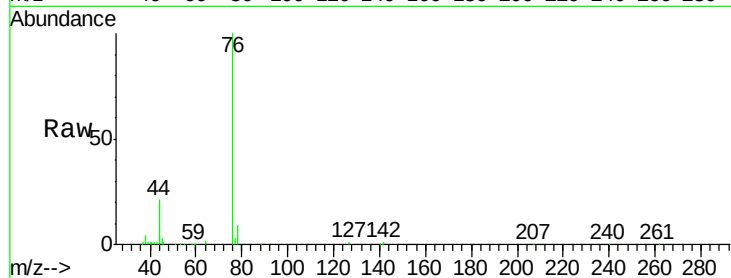
76 100

78 8.6 6.6 9.8

Manual Integrations
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#18

Methyl Acetate

Concen: 8.541 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009565.D

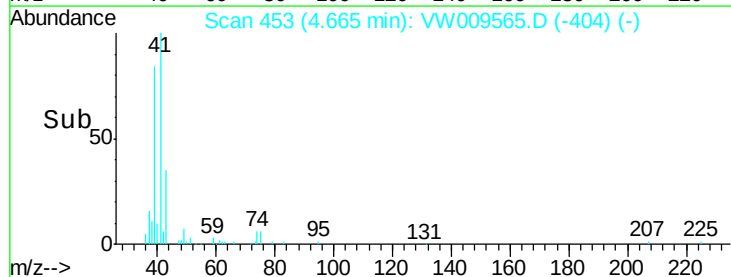
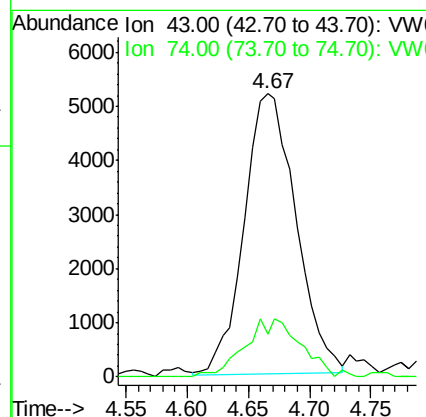
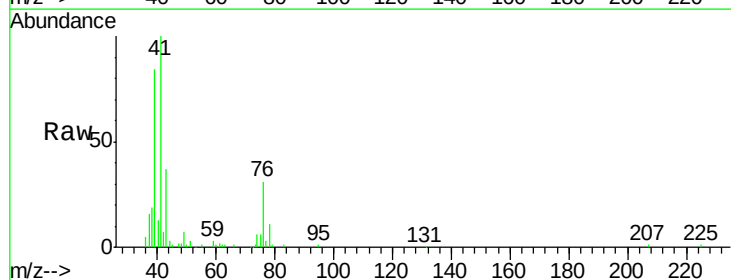
Acq: 29 Mar 2019 10:21

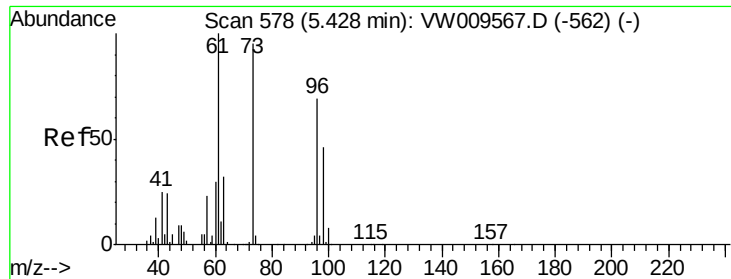
Tgt Ion: 43 Resp: 15219

Ion Ratio Lower Upper

43 100

74 22.6 17.7 26.5





#19

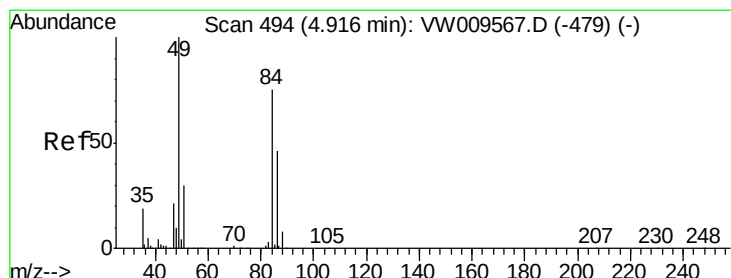
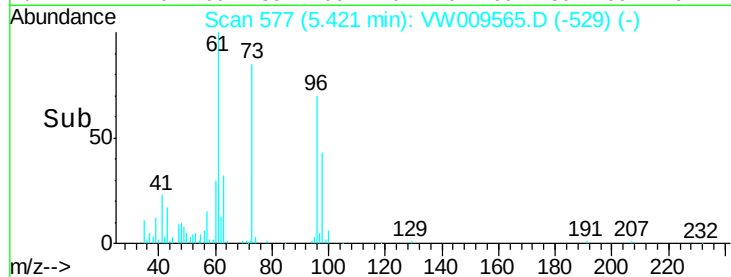
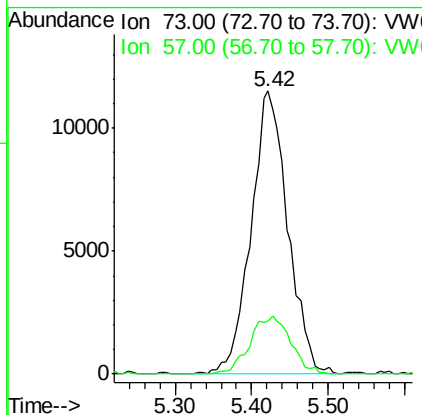
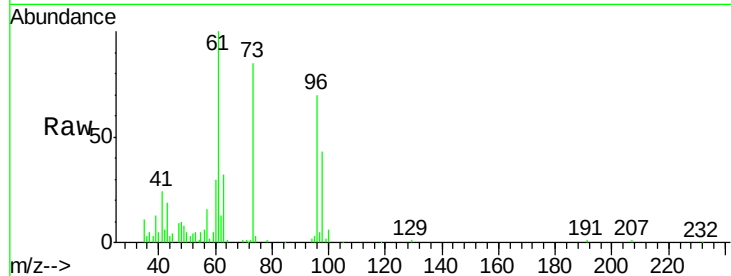
Methyl tert-butyl Ether
 Concen: 9.650 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	73	Resp	38453
Ion Ratio	Lower	Upper	
73	100		
57	18.6	17.0	25.6

Manual Integrations
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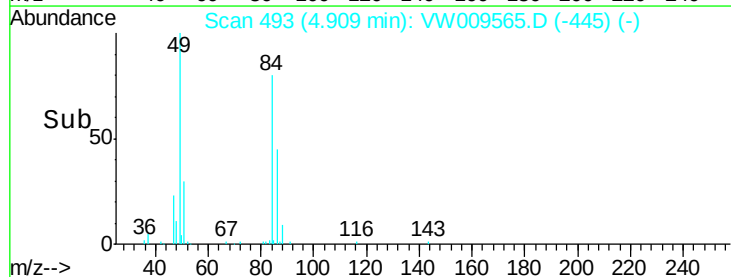
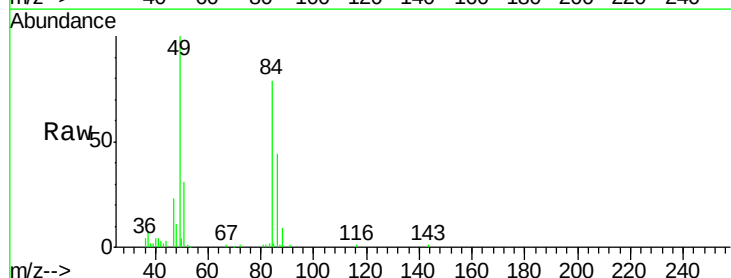
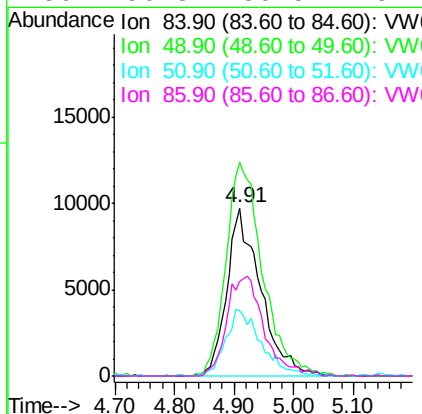
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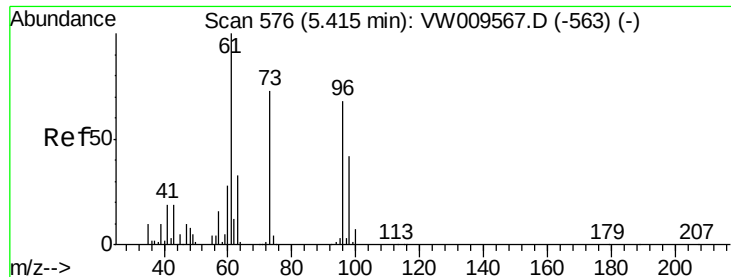


#20

Methylene Chloride
 Concen: 12.652 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion	84	Resp	38083
Ion Ratio	Lower	Upper	
84	100		
49	127.2	99.1	148.7
51	39.1	28.7	43.1
86	56.3	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 9.998 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

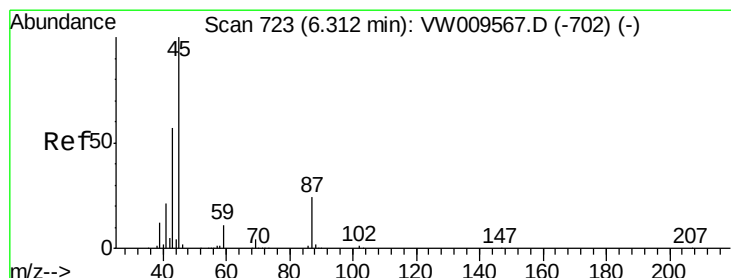
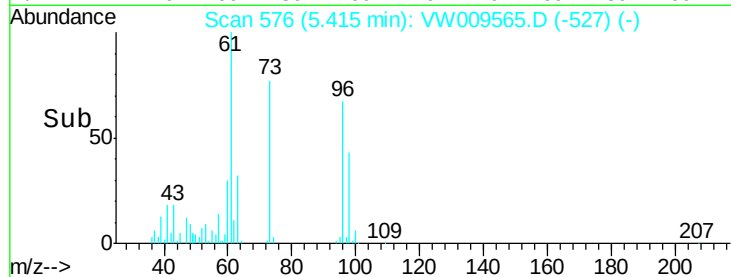
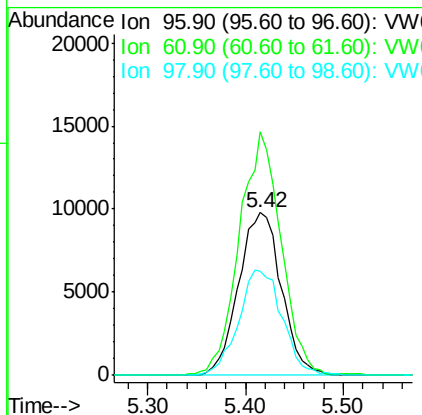
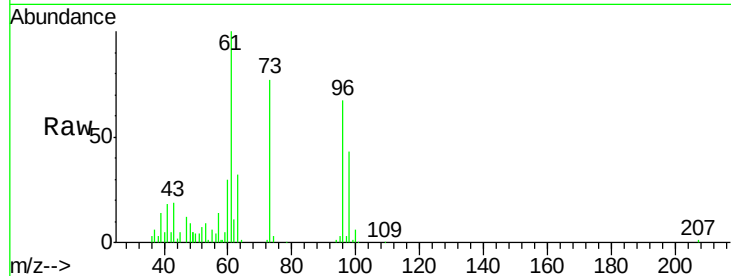
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	29631
Ion	Ratio	Lower	Upper
96	100		
61	148.9	108.2	162.4
98	64.3	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 9.420 ug/l

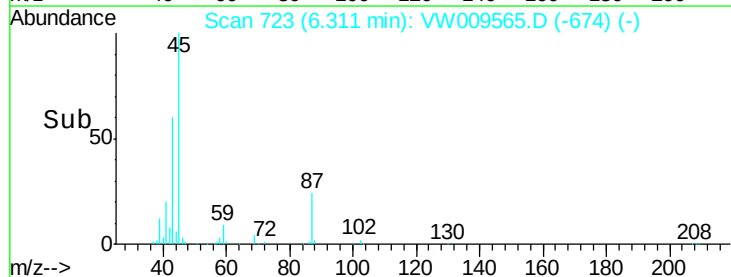
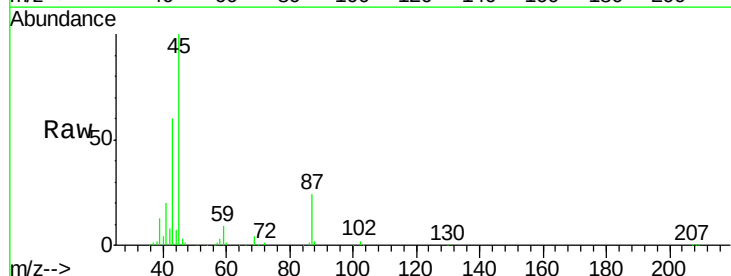
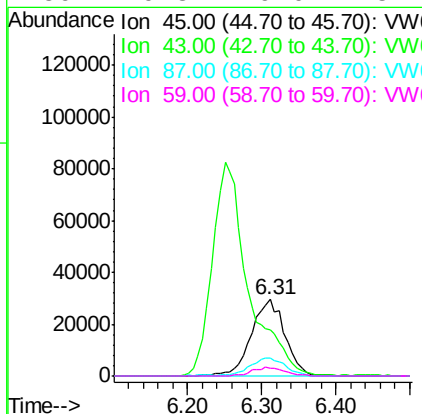
RT: 6.31 min Scan# 723

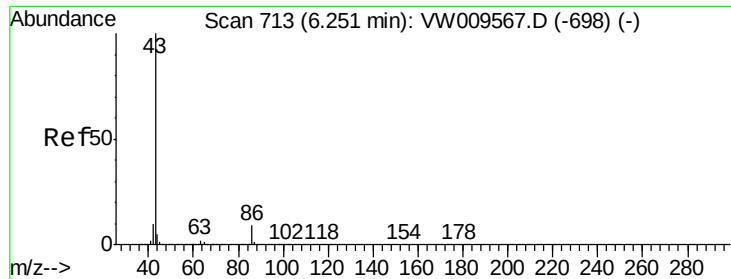
Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:	45	Resp:	93614
Ion	Ratio	Lower	Upper
45	100		
43	59.0	47.9	71.9
87	23.7	20.6	30.8
59	9.3	9.0	13.4





#23

Vinyl Acetate

Concen: 44.173 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 276642

Ion Ratio Lower Upper

43 100

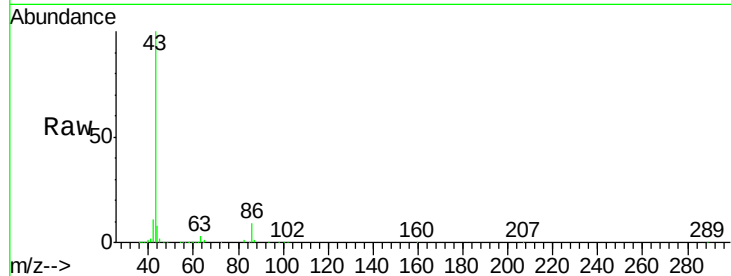
86 8.9 7.7 11.5

Manual Integrations

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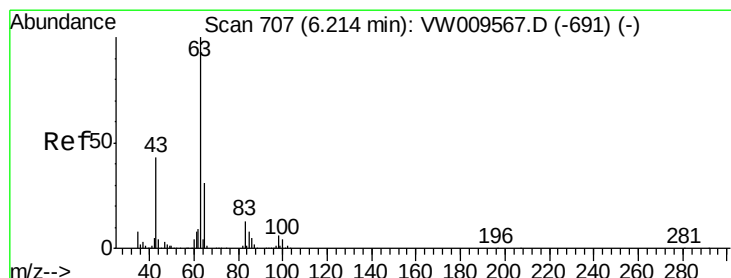
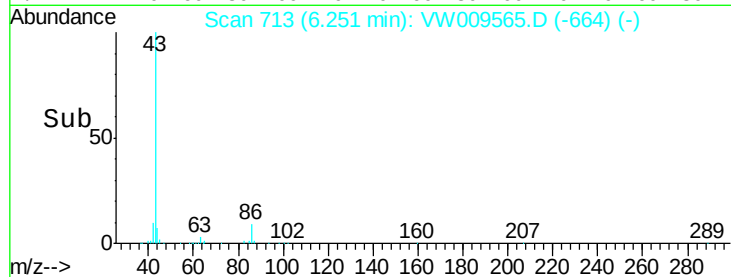
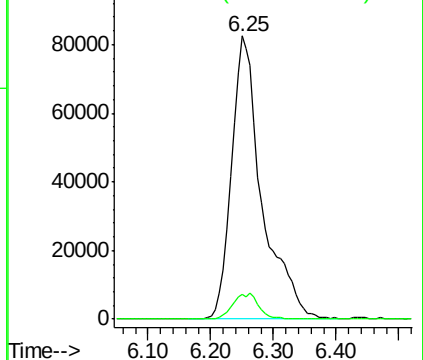
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 10.139 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

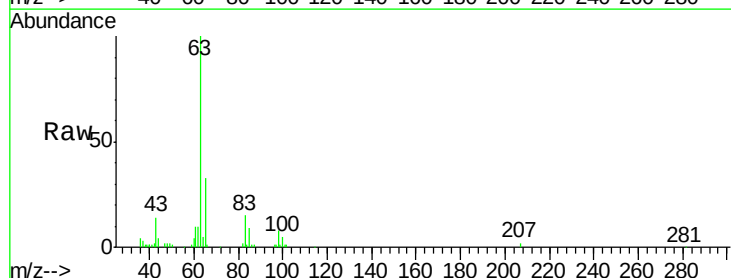
Tgt Ion: 63 Resp: 59031

Ion Ratio Lower Upper

63 100

98 8.0 3.7 11.1

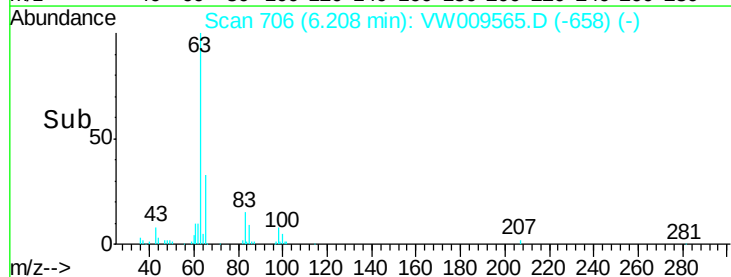
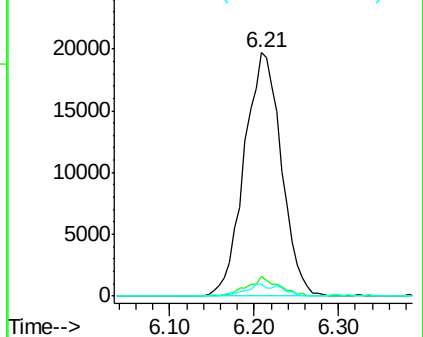
100 5.0 2.4 7.1

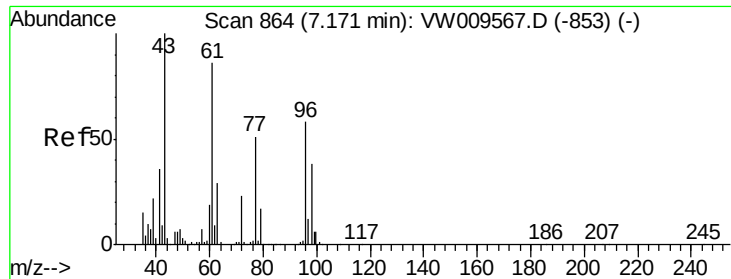


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 46.589 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 48390

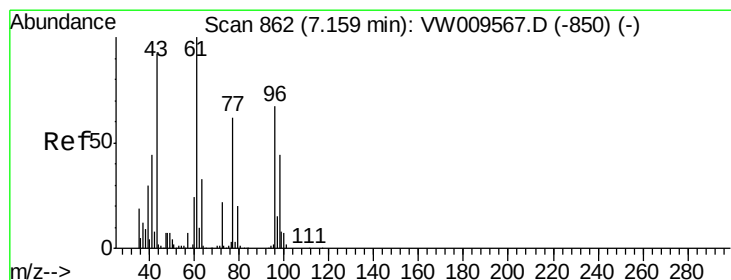
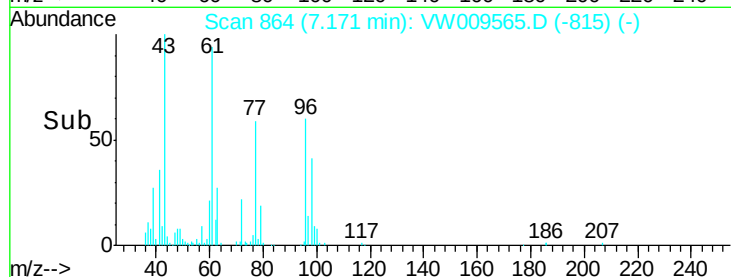
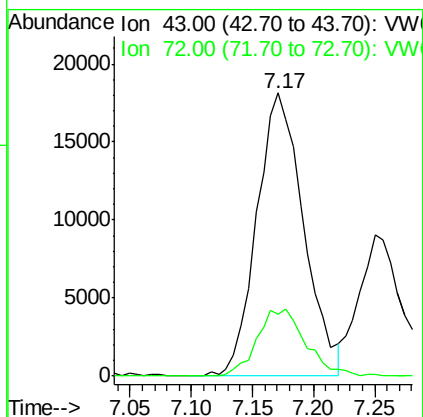
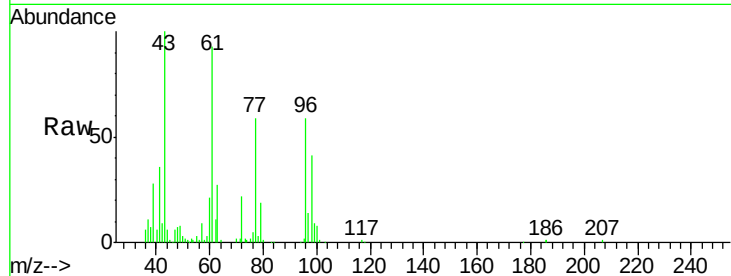
Ion Ratio Lower Upper

43 100

72 22.0 20.0 30.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 10.226 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009565.D

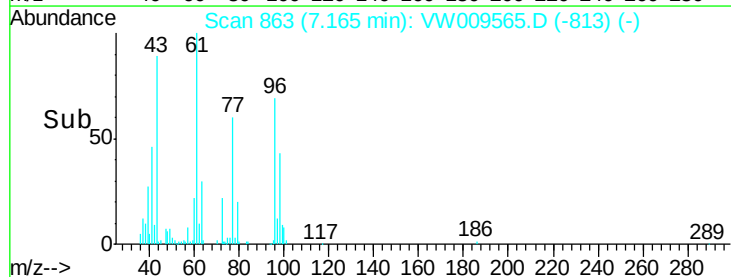
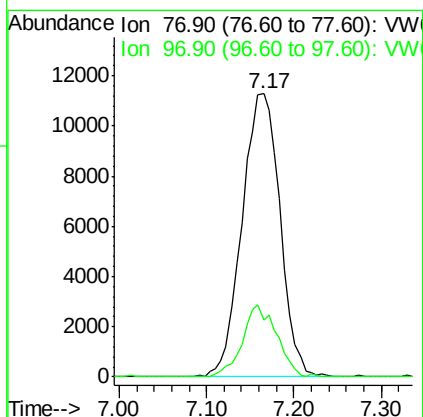
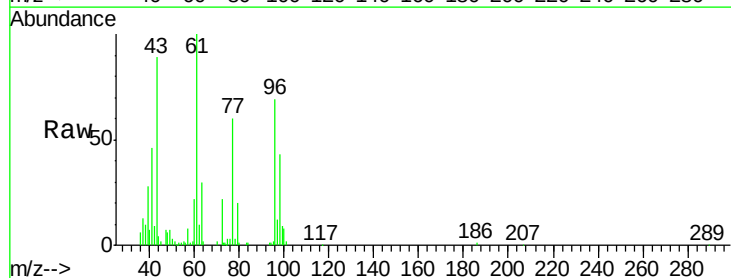
Acq: 29 Mar 2019 10:21

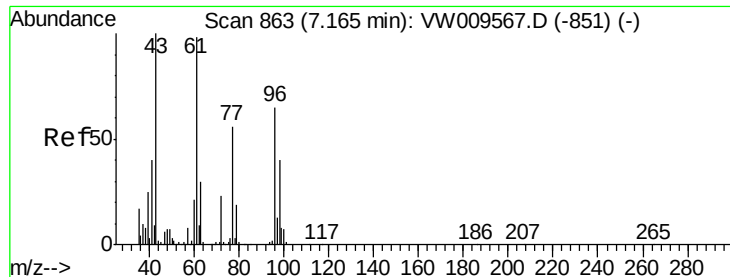
Tgt Ion: 77 Resp: 34065

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.7





#27

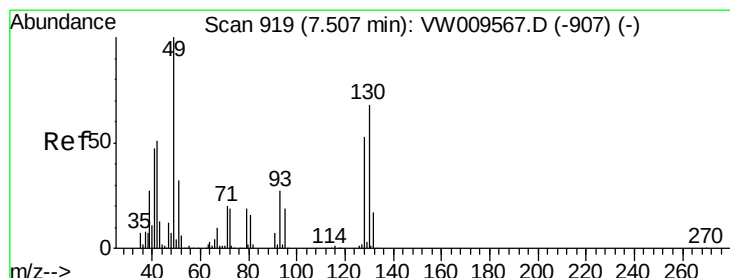
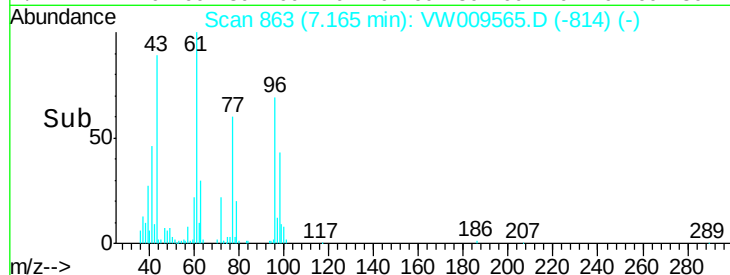
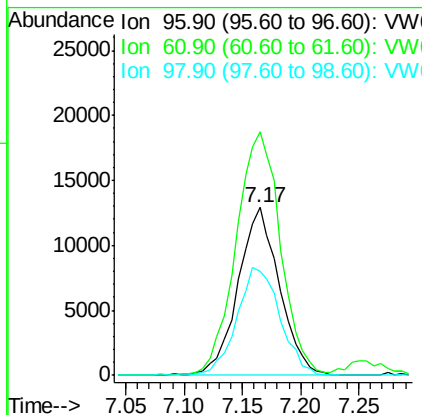
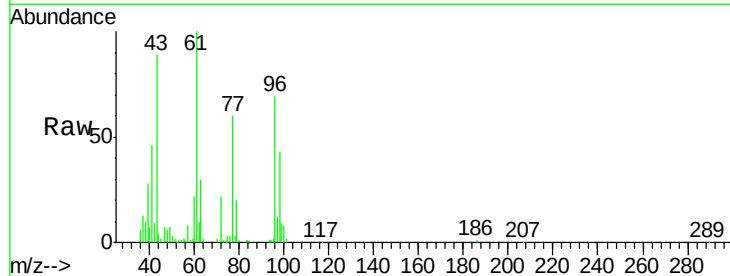
cis-1,2-Dichloroethene
 Concen: 9.702 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	289.8
98	67.0	0.0	130.8

Manual Integrations
 APPROVED

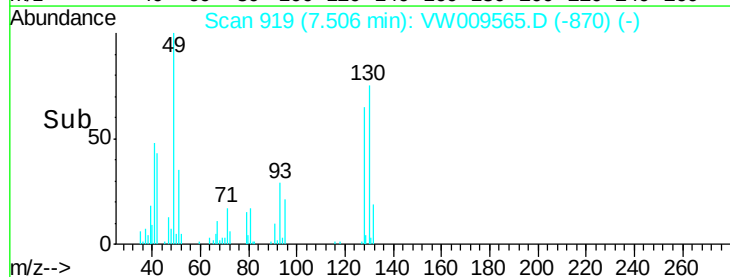
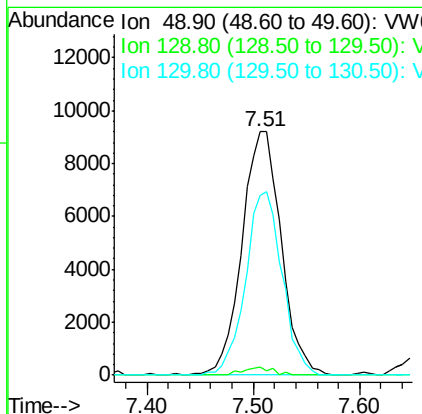
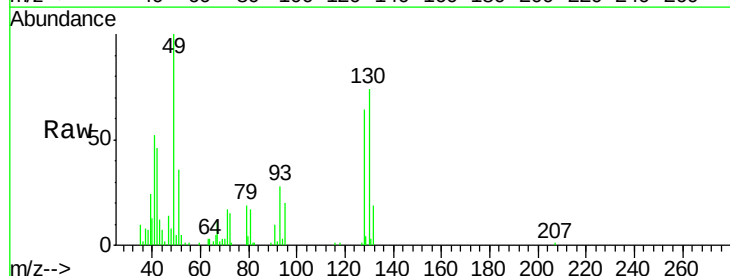
MMDadoda
 4/1/2019 4:04:44 AM

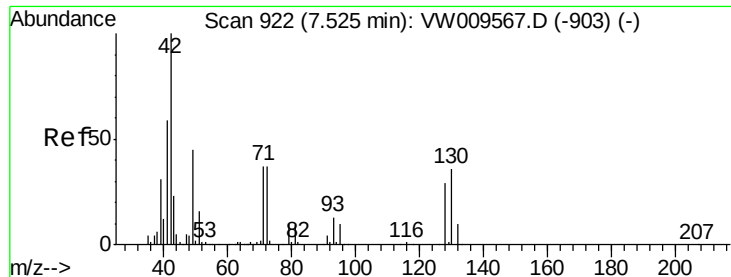


#28

Bromochloromethane
 Concen: 9.706 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	1.4#
130	70.0	58.6	88.0





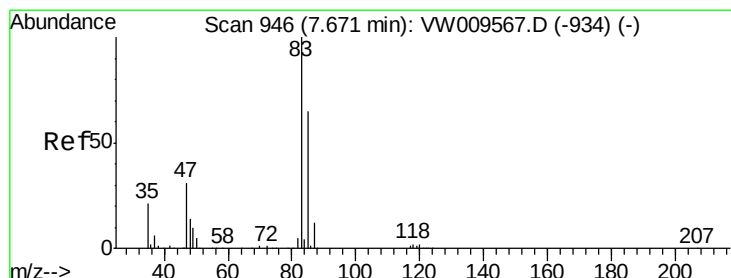
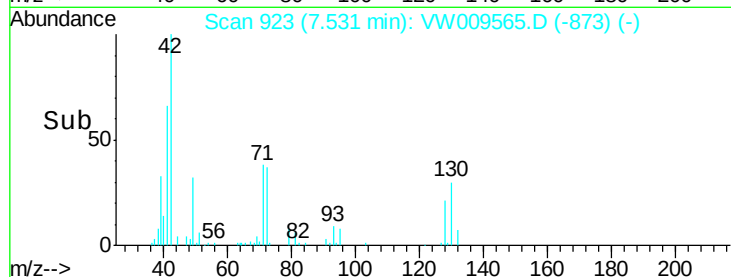
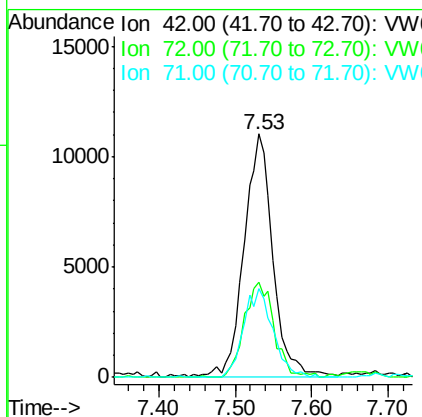
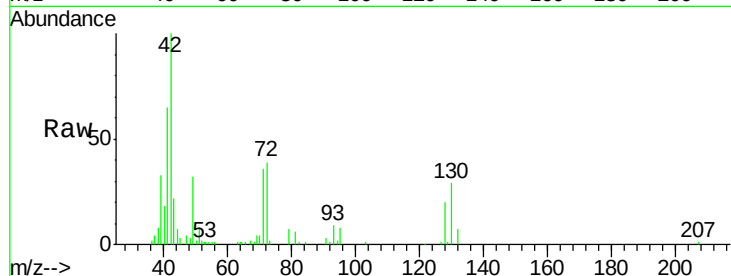
#29
Tetrahydrofuran
Concen: 44.523 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.4	48.6
71	36.9	30.1	45.1

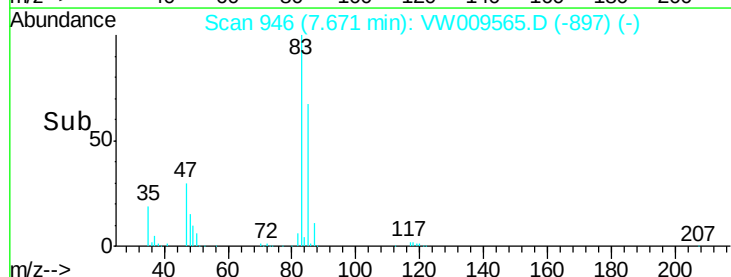
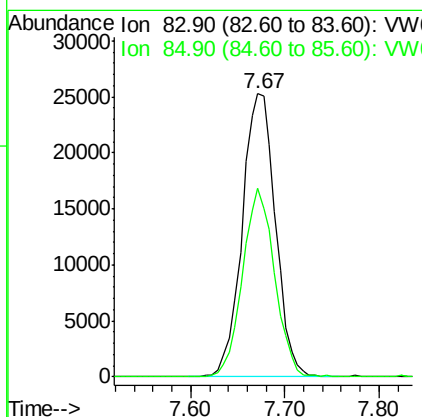
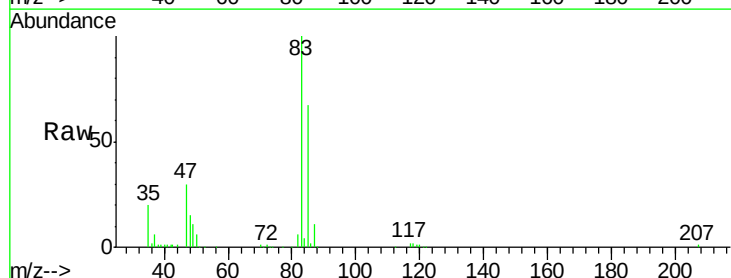
Manual Integrations
APPROVED

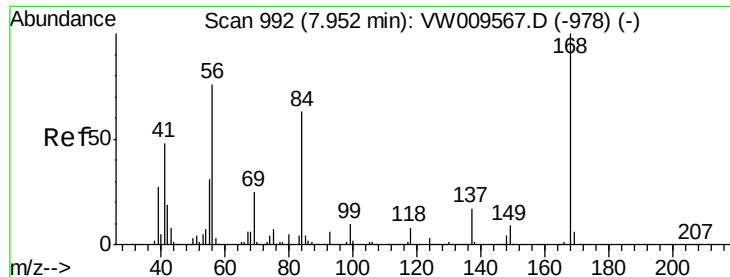
MMDadoda
4/1/2019 4:04:44 AM



#30
Chloroform
Concen: 10.447 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.0	76.6





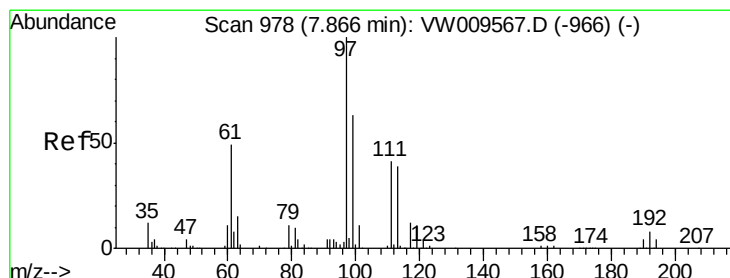
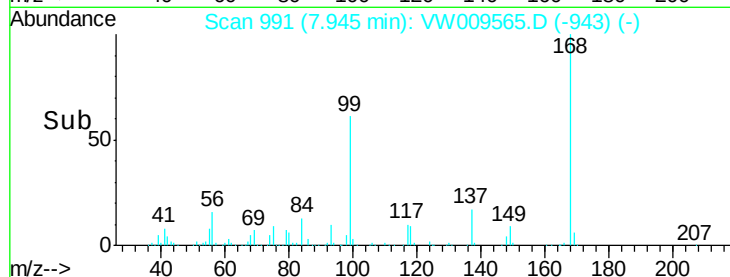
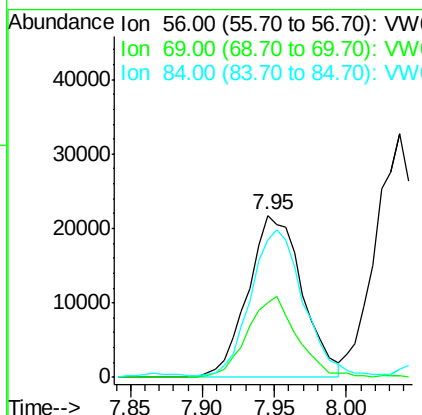
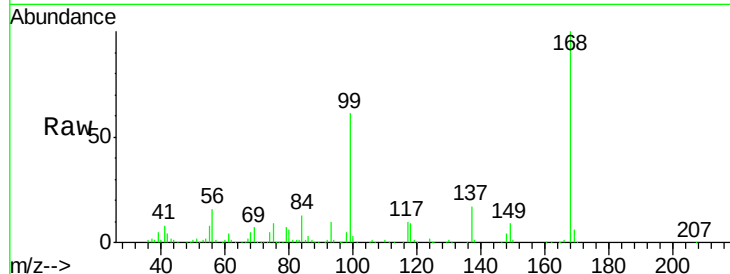
#31
Cyclohexane
Concen: 10.925 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	56	Resp	56785
Ion	Ratio	Lower	Upper
56	100		
69	45.9	26.1	39.1#
84	83.7	68.6	103.0

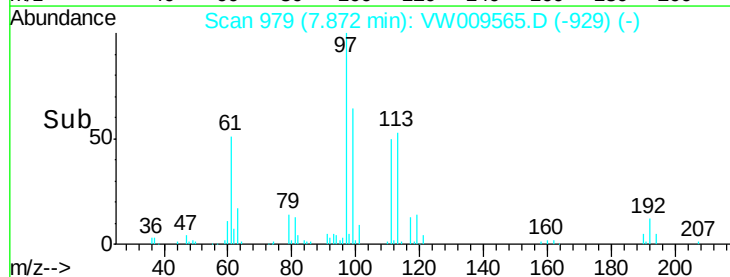
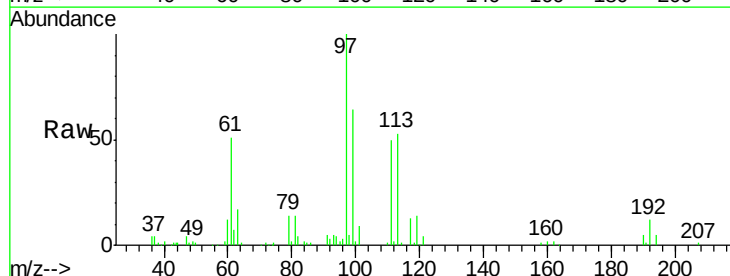
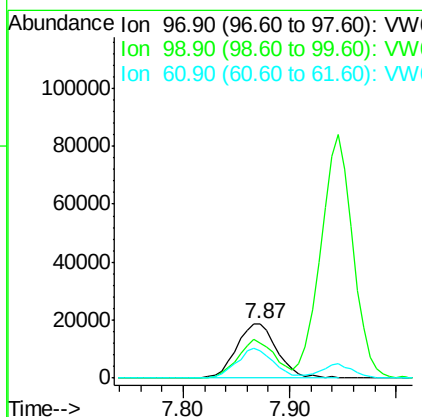
Manual Integrations
APPROVED

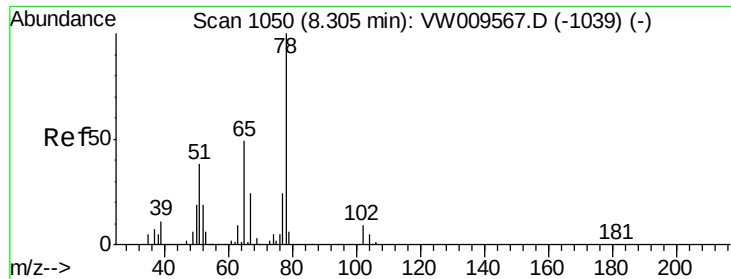
MMDadoda
4/1/2019 4:04:44 AM



#32
1,1,1-Trichloroethane
Concen: 10.263 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	97	Resp	50046
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	49.6	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 9.782 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 33537

Ion Ratio Lower Upper

65 100

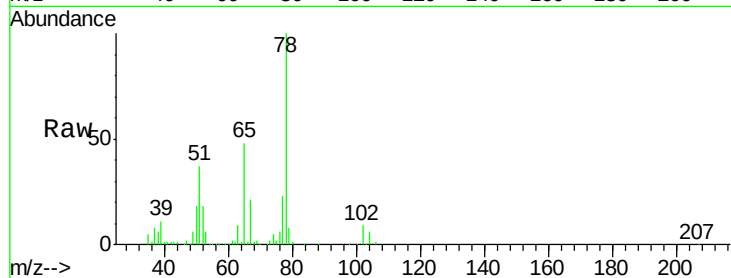
67 50.0 0.0 102.4

Manual Integrations

APPROVED

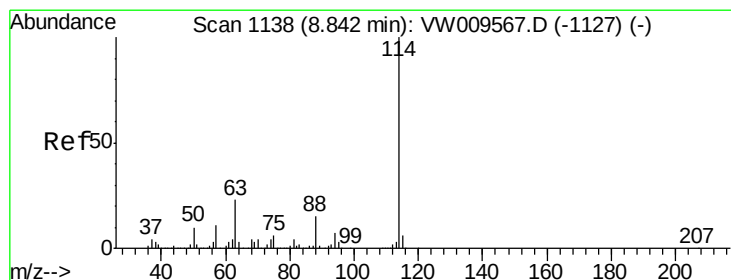
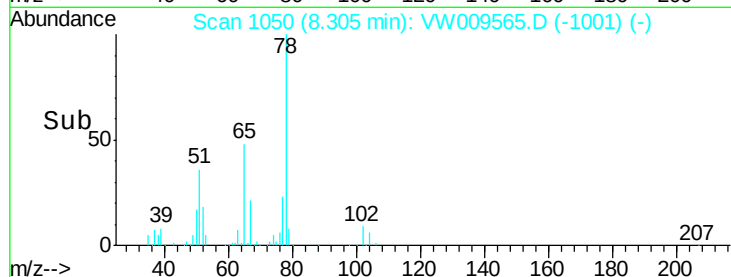
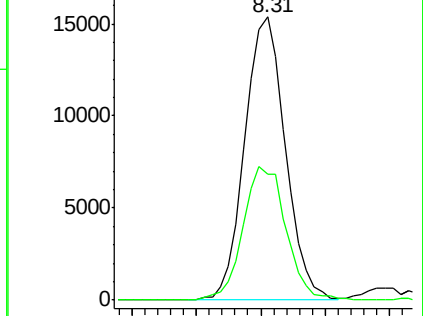
MMDadoda

4/1/2019 4:04:44 AM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

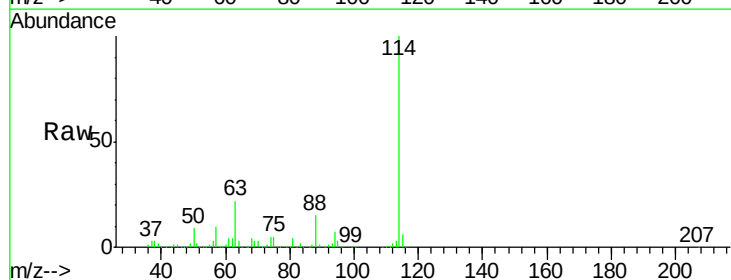
Tgt Ion: 114 Resp: 460371

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.2

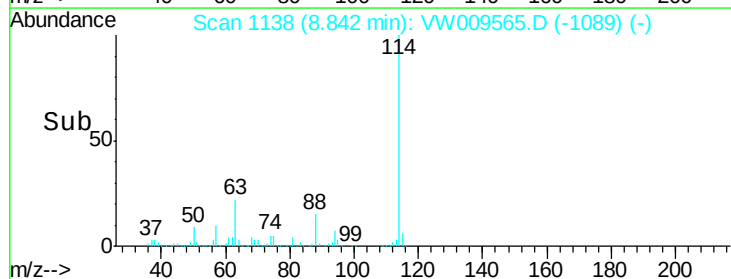
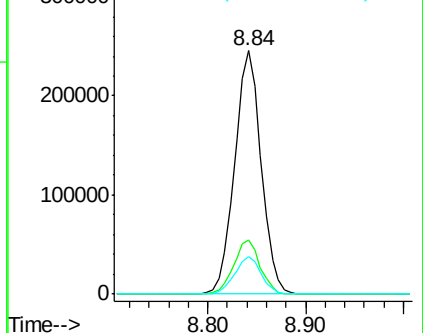
88 15.3 0.0 30.8

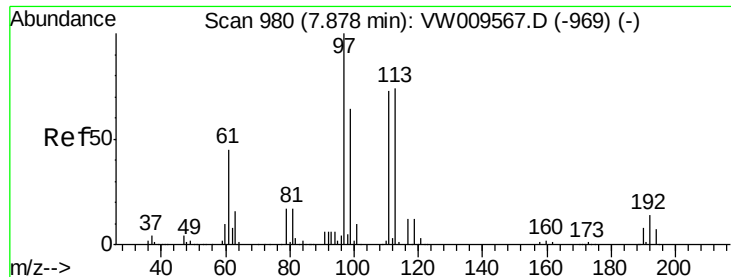


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 9.859 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

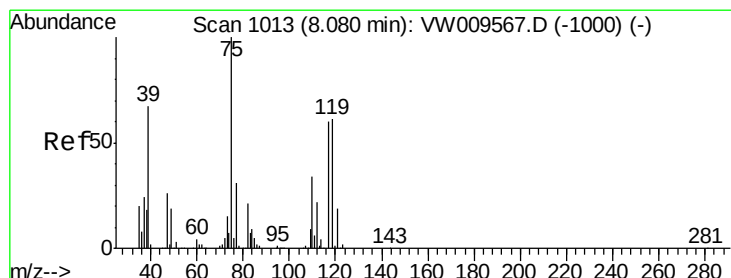
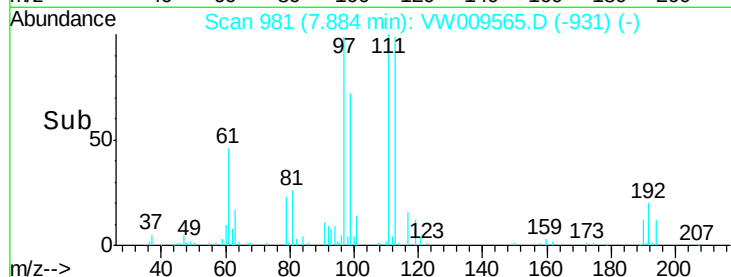
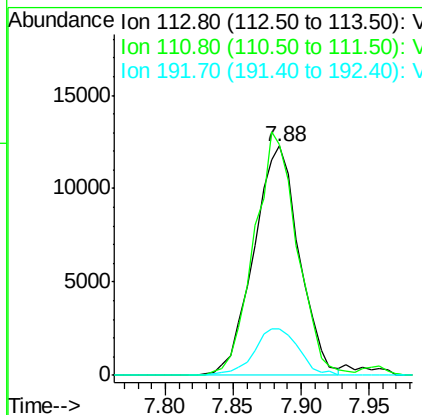
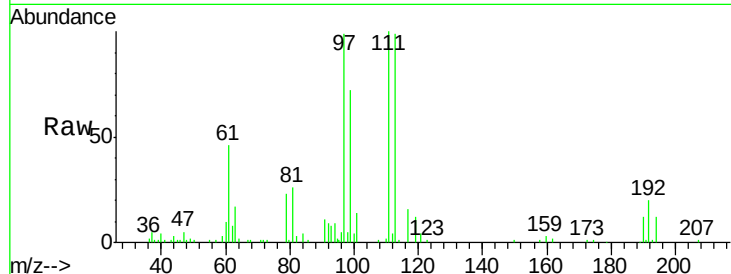
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	28653		
111	101.4	82.6	124.0	
192	20.1	16.4	24.6	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.035 ug/l

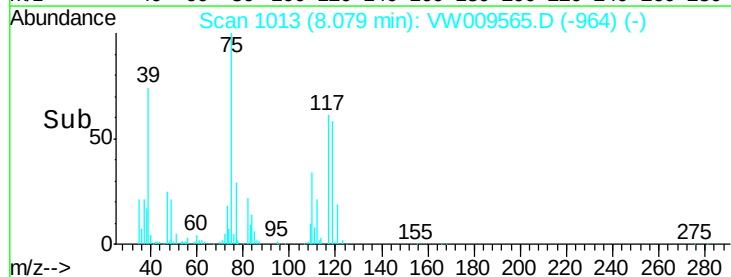
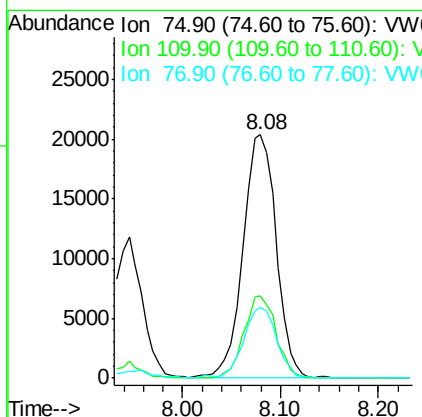
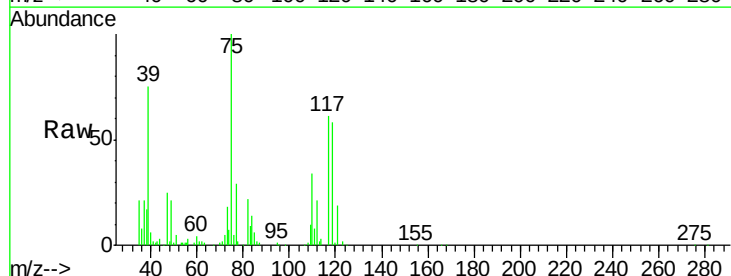
RT: 8.08 min Scan# 1013

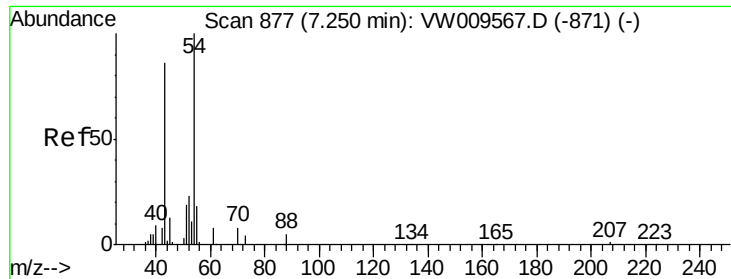
Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48083		
110	32.6	16.8	50.4	
77	29.1	24.6	36.8	





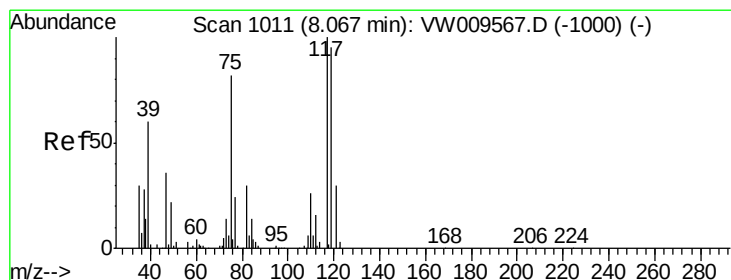
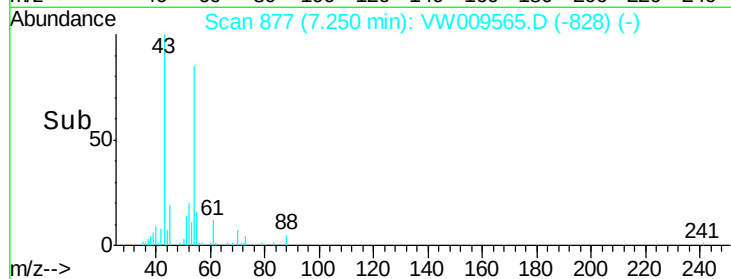
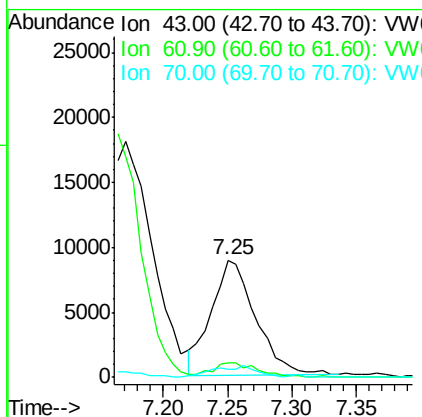
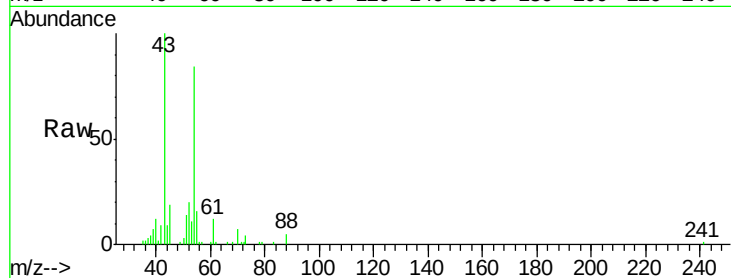
#37
Ethyl Acetate
Concen: 9.375 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.0	15.0
70	10.1	7.3	10.9

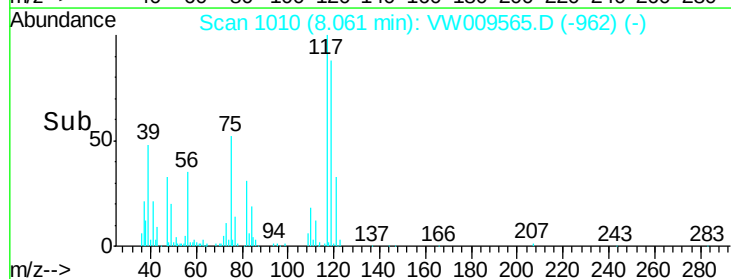
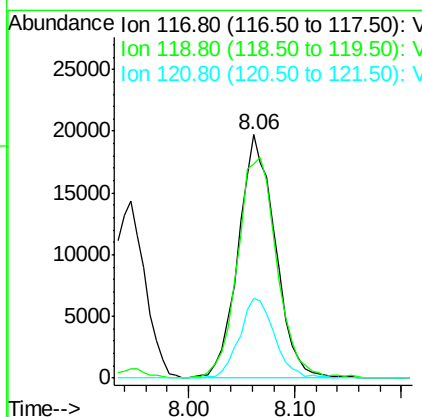
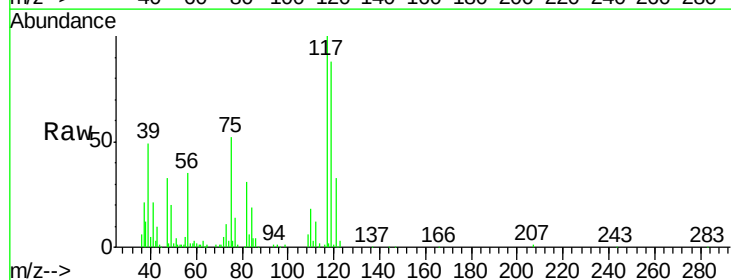
Manual Integrations
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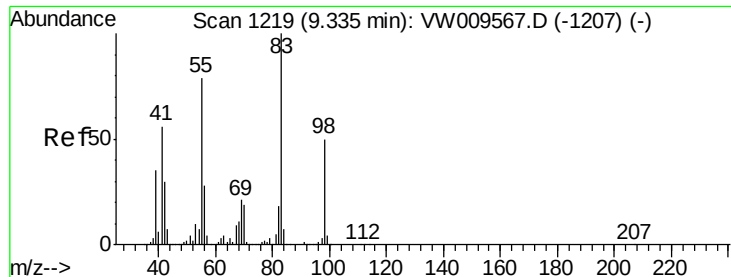
MMDadoda
4/1/2019 4:04:44 AM



#38
Carbon Tetrachloride
Concen: 9.928 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.8	75.4	113.0
121	32.6	24.9	37.3





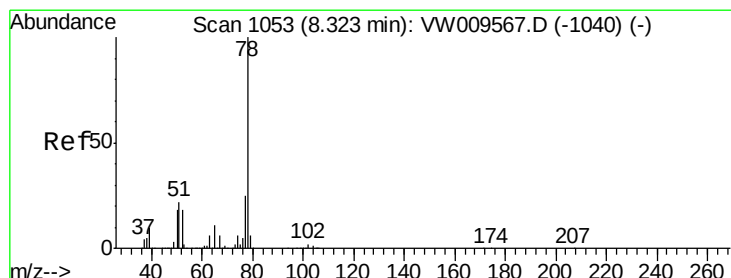
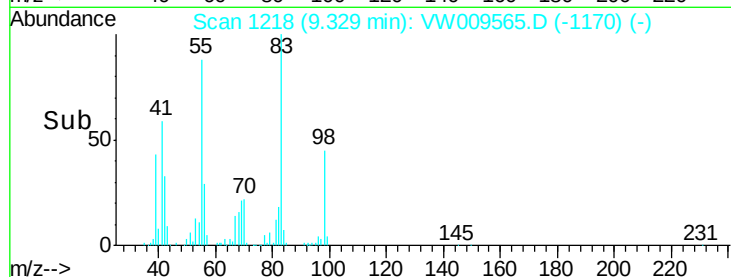
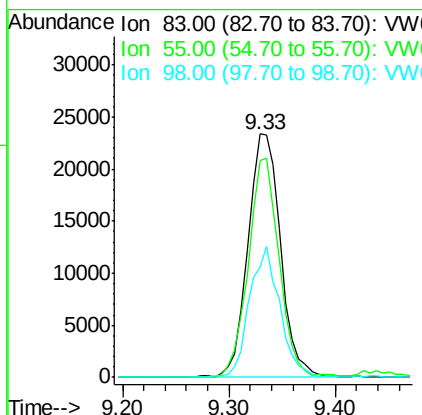
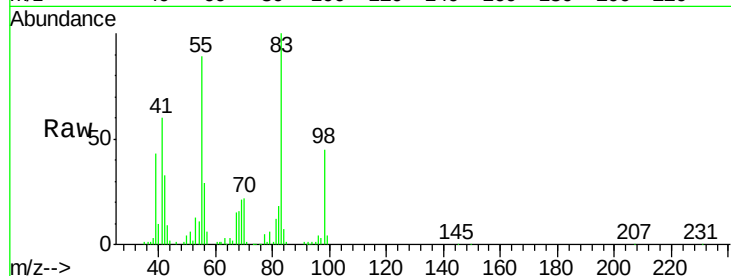
#39
Methylvlcyclohexane
Concen: 9.110 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.8	61.1	91.7
98	45.5	39.0	58.4

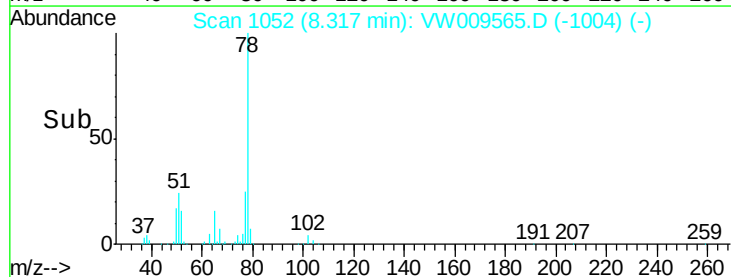
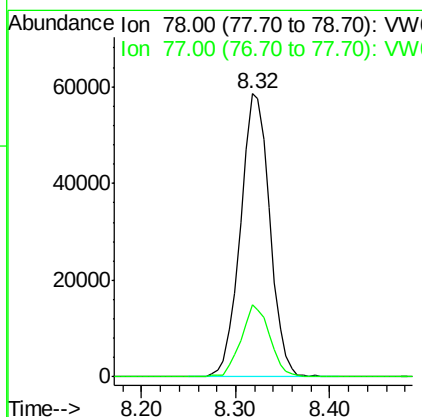
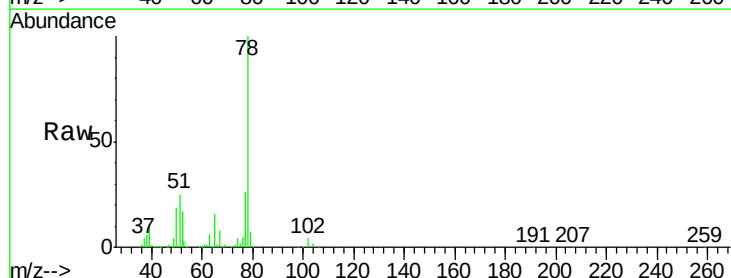
Manual Integrations
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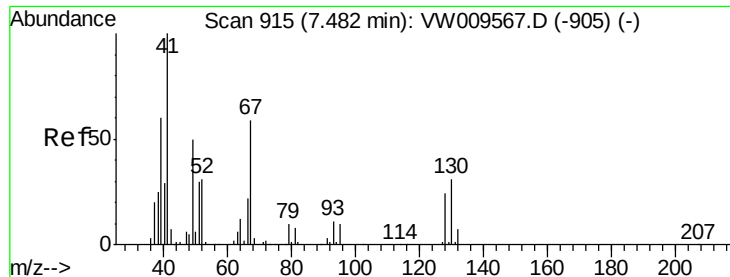
MMDadoda
4/1/2019 4:04:44 AM



#40
Benzene
Concen: 9.846 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.8	29.6





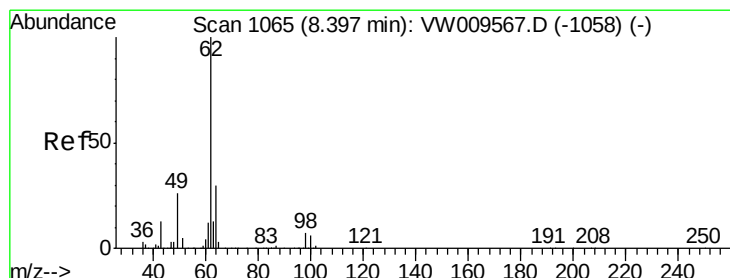
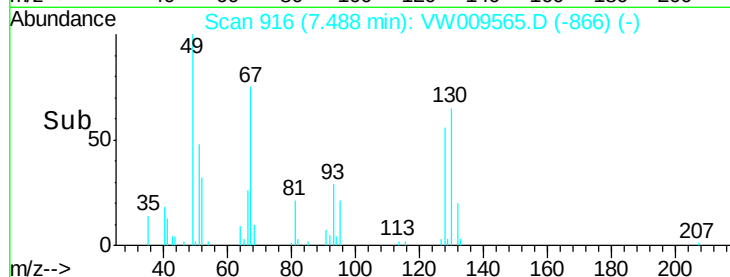
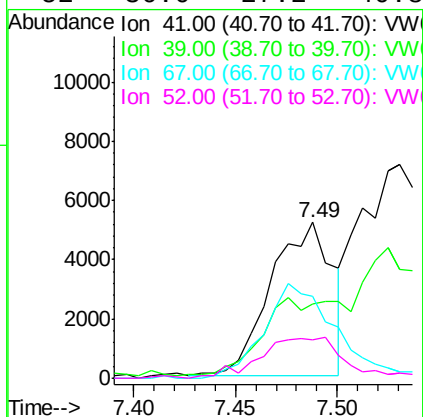
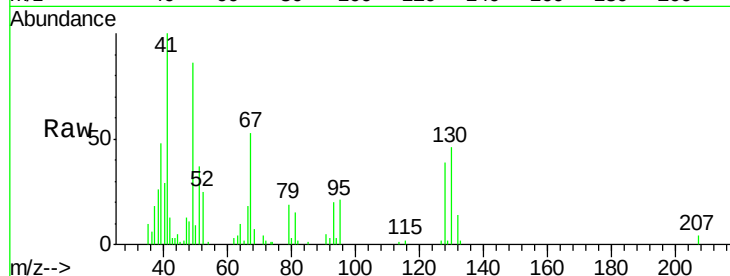
#41
Methacrylonitrile
Concen: 8.136 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	35.0	52.5	78.7#
67	71.2	56.6	84.8
52	36.0	27.2	40.8

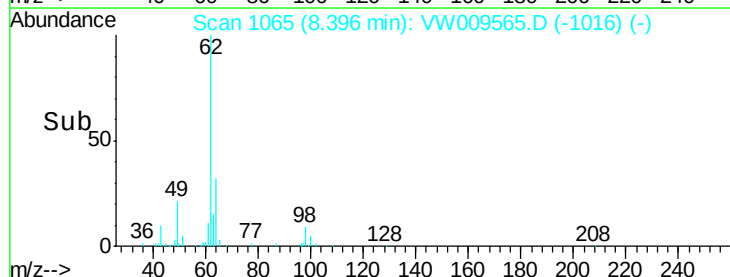
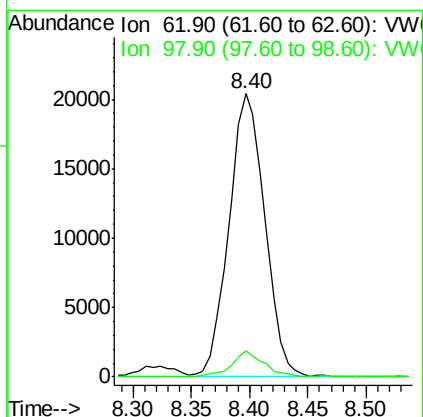
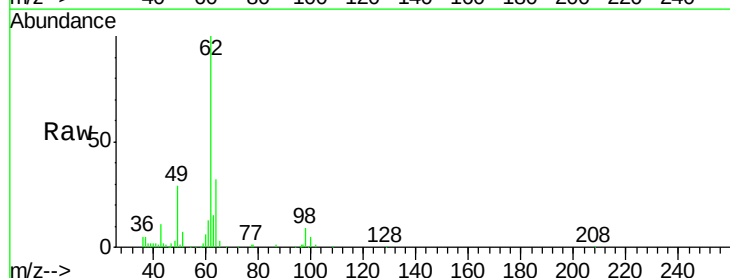
Manual Integrations
APPROVED

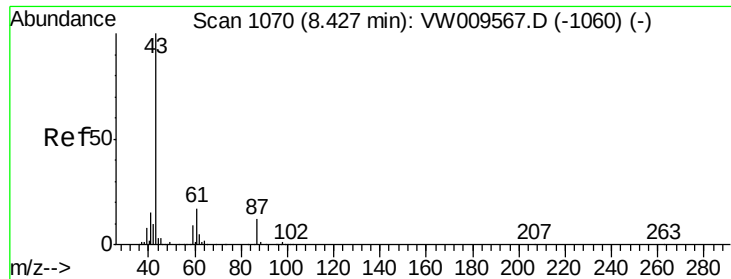
MMDadoda
4/1/2019 4:04:44 AM



#42
1,2-Dichloroethane
Concen: 10.119 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 8.971 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

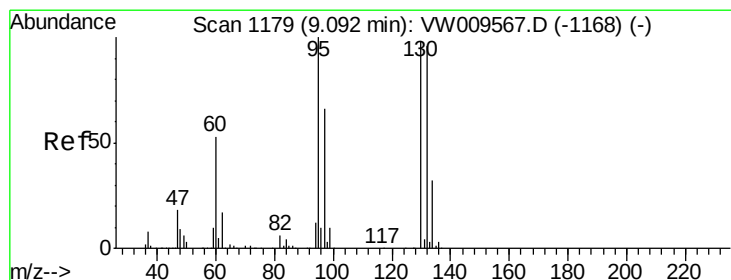
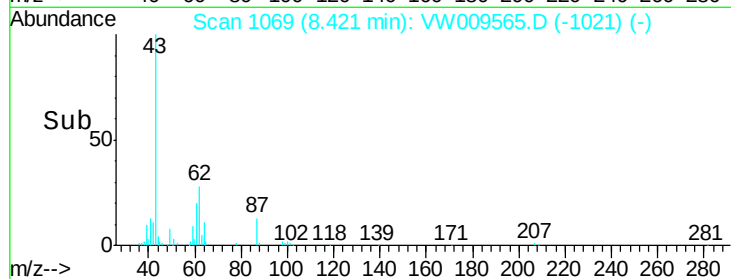
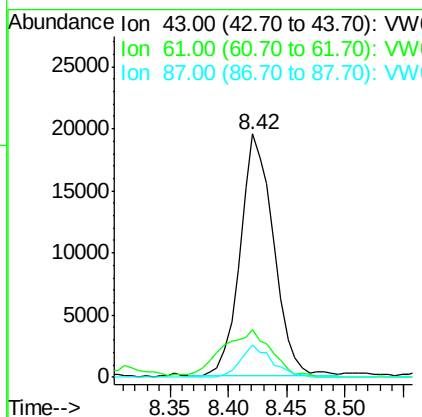
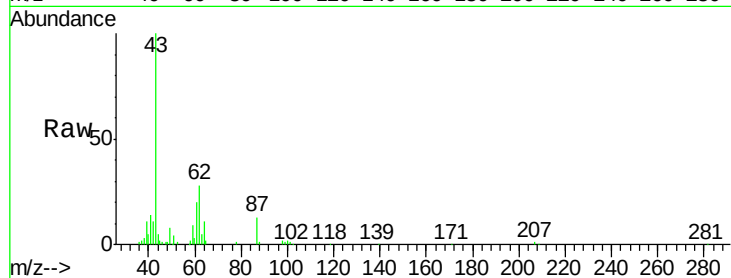
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	39125
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.2	33.2
87	12.5	9.6	14.4

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#44

Trichloroethene

Concen: 9.830 ug/l

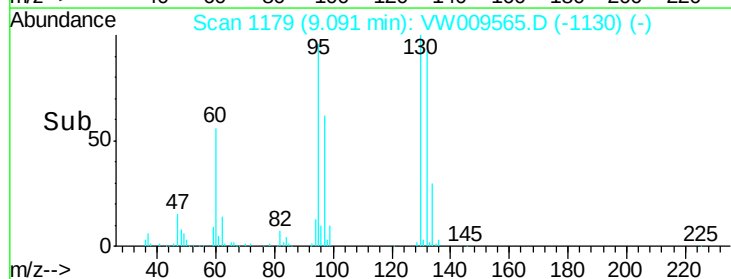
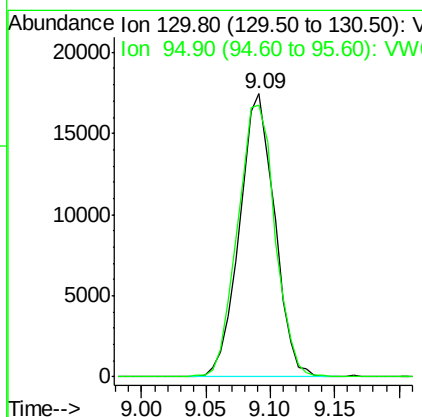
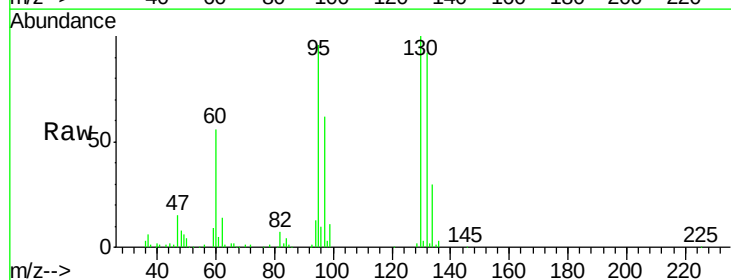
RT: 9.09 min Scan# 1179

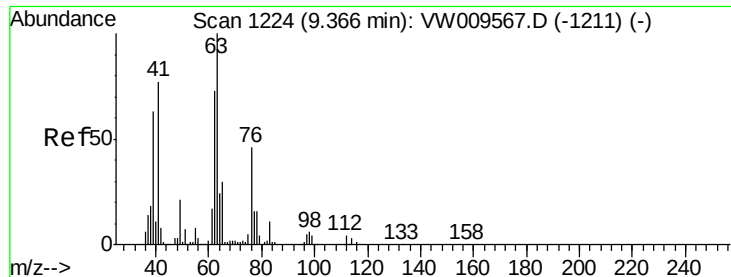
Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:	130	Resp:	32879
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	192.6





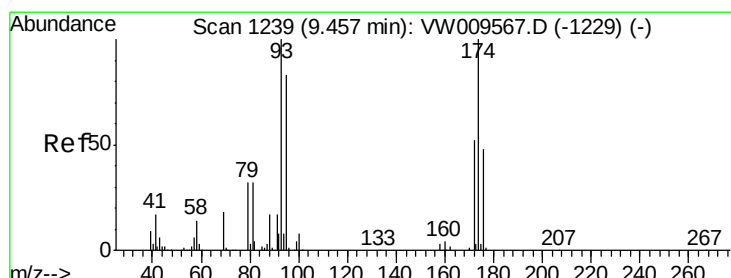
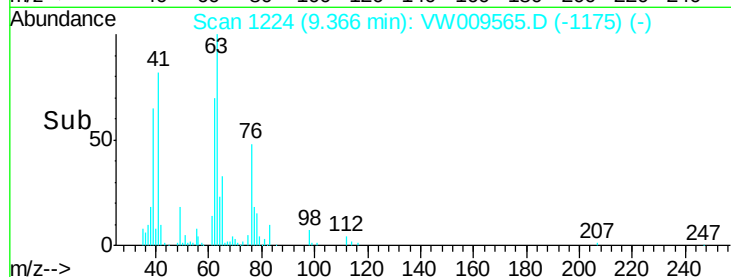
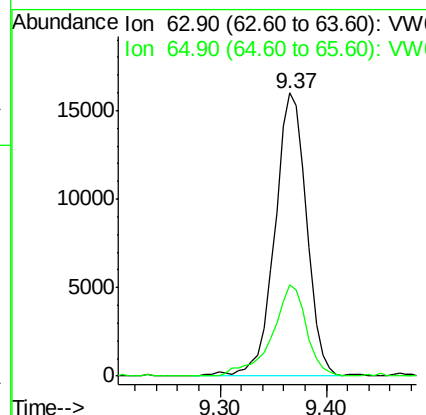
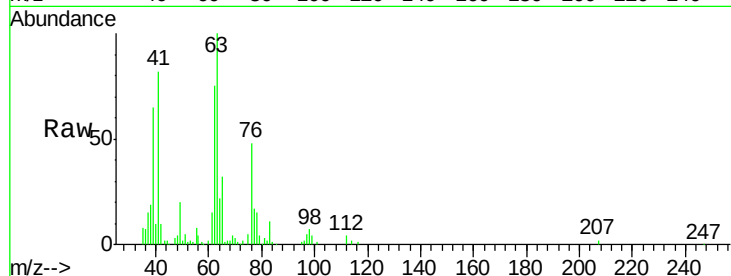
#45
 1,2-Dichloropropane
 Concen: 10.017 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.8	38.8

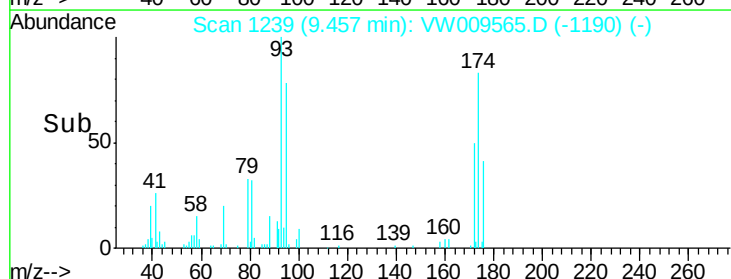
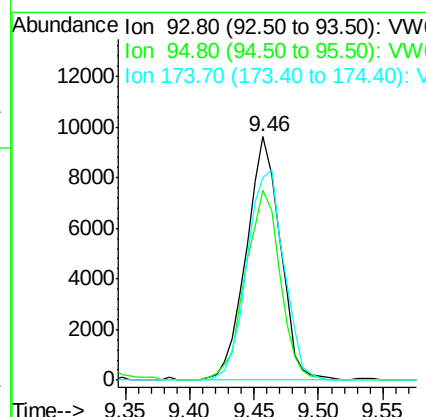
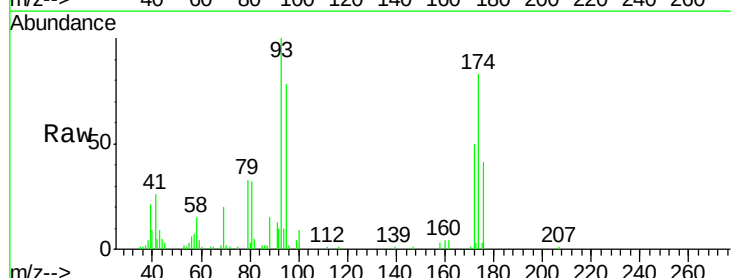
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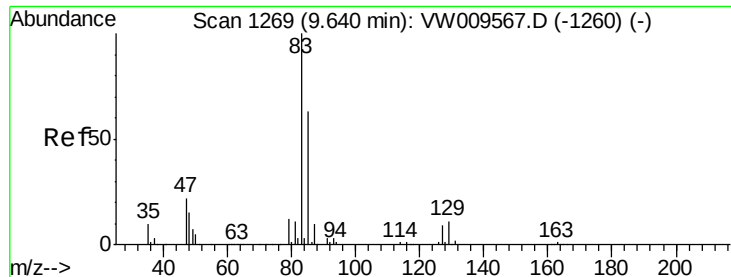
MMDadoda
 4/1/2019 4:04:44 AM



#46
 Dibromomethane
 Concen: 9.962 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.5	66.9	100.3
174	93.0	80.8	121.2





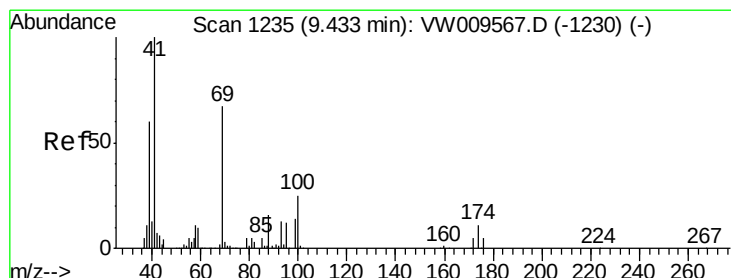
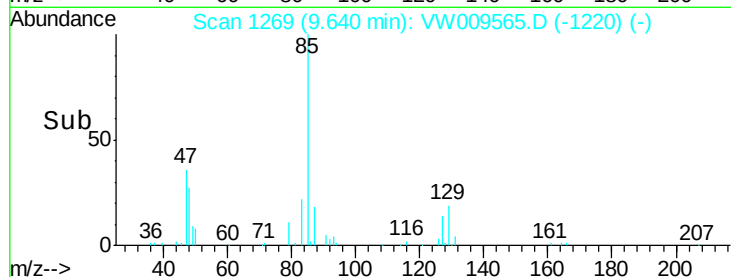
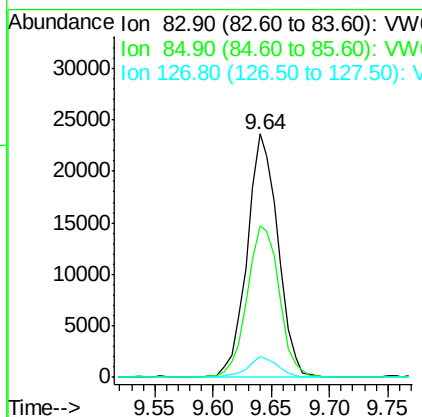
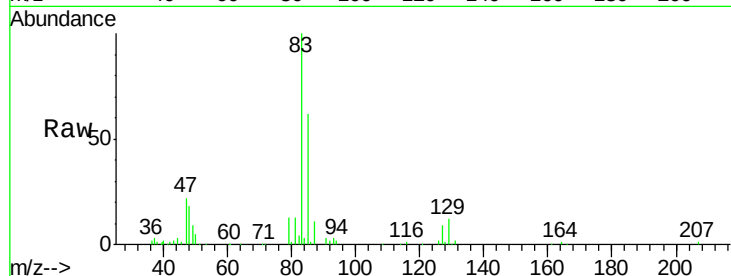
#47
Bromodichloromethane
Concen: 9.441 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	43458		
85	62.1		52.6	79.0
127	8.6		6.5	9.7

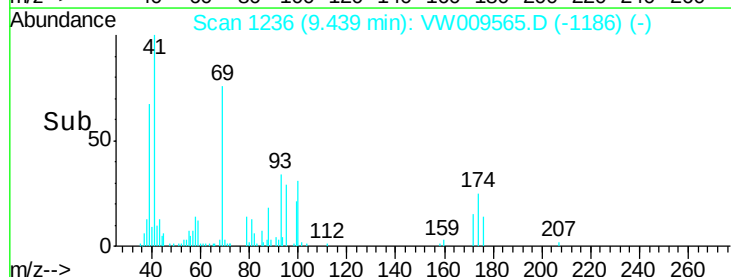
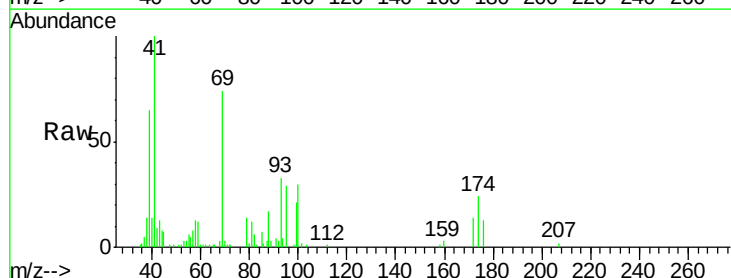
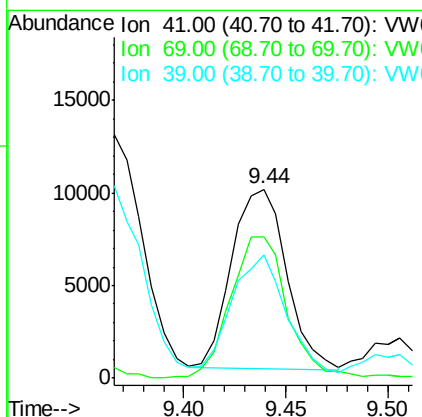
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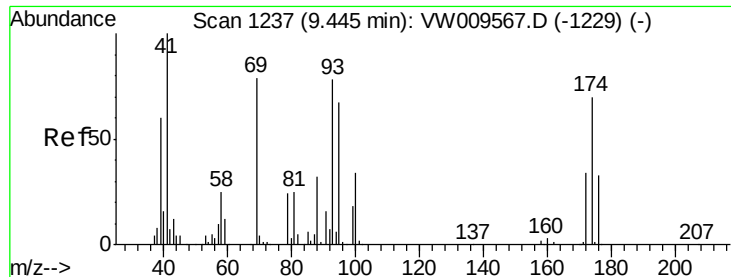
MMDadoda
4/1/2019 4:04:44 AM



#48
Methyl methacrylate
Concen: 8.401 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	18165		
69	81.2		63.0	94.6
39	64.3		57.2	85.8





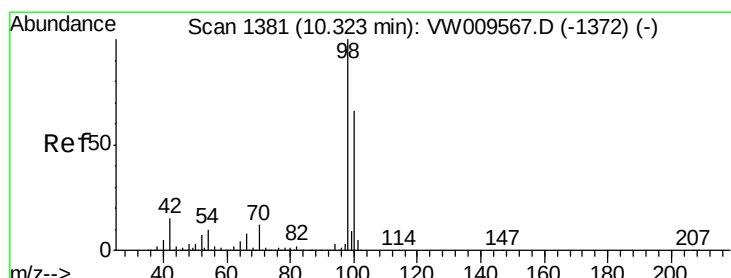
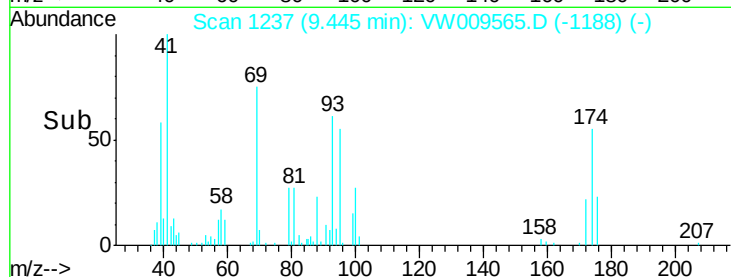
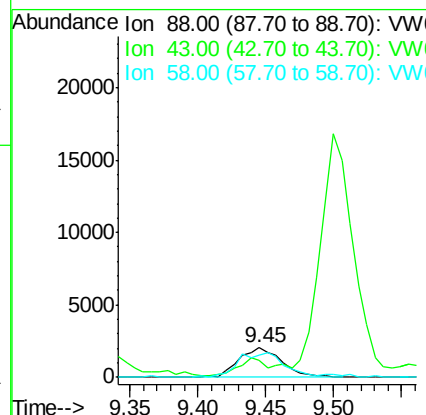
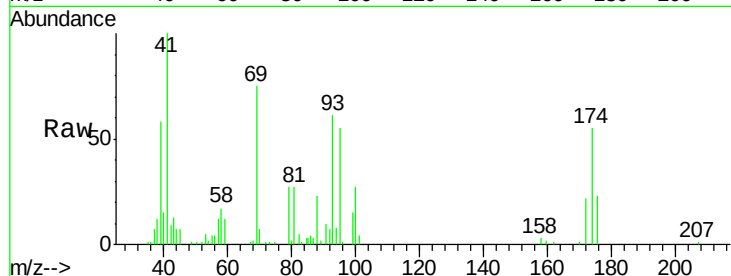
#49
1,4-Dioxane
Concen: 163.999 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	4480
Ion	Ratio	Lower	Upper
88	100		
43	42.4	29.7	44.5
58	91.4	58.1	87.1#

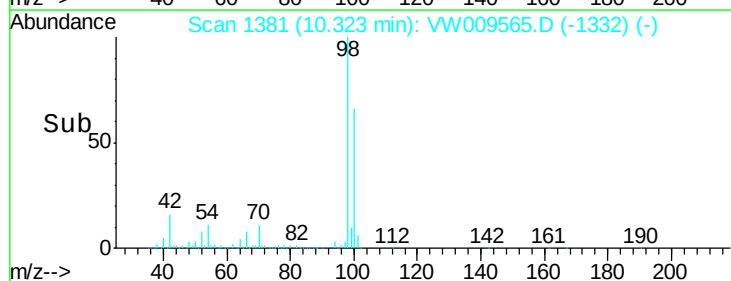
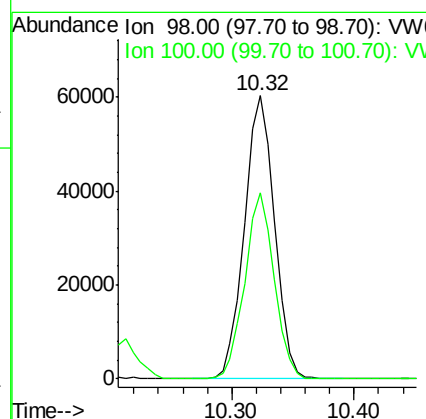
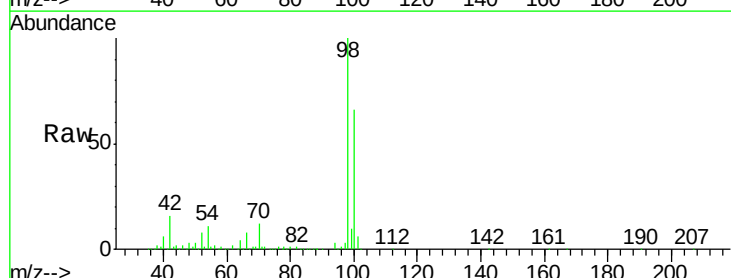
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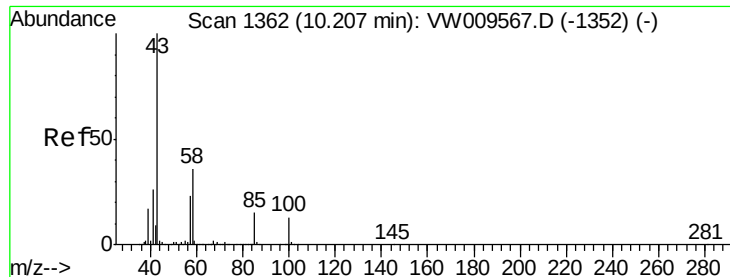
MMDadoda
4/1/2019 4:04:44 AM



#50
Toluene-d8
Concen: 9.193 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	98	Resp	103103
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 44.163 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 105577

Ion Ratio Lower Upper

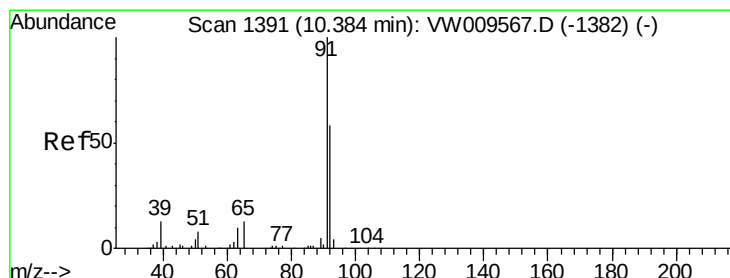
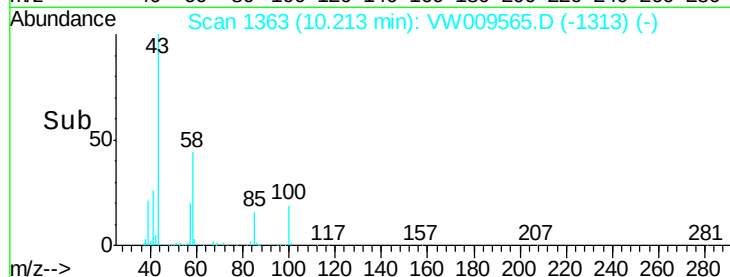
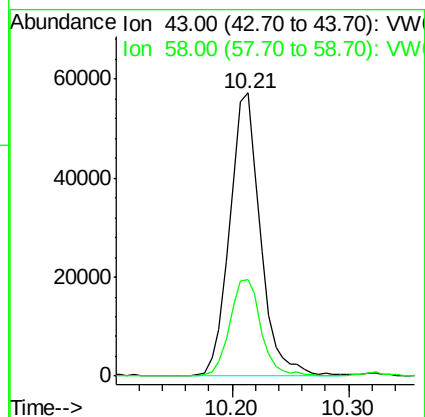
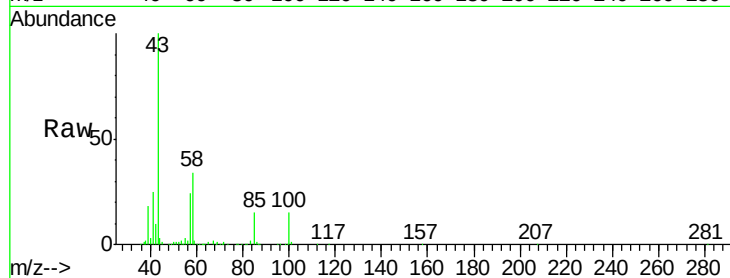
43 100

58 34.8 28.6 42.8

Manual Integrations
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#52

Toluene

Concen: 9.336 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009565.D

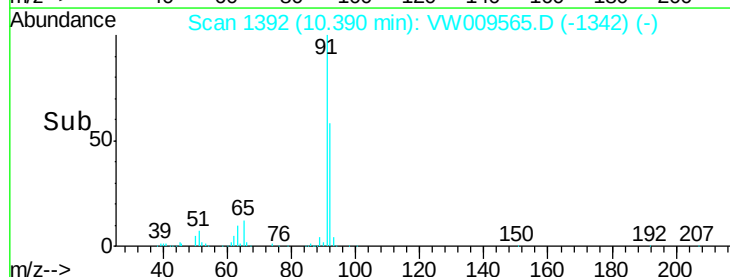
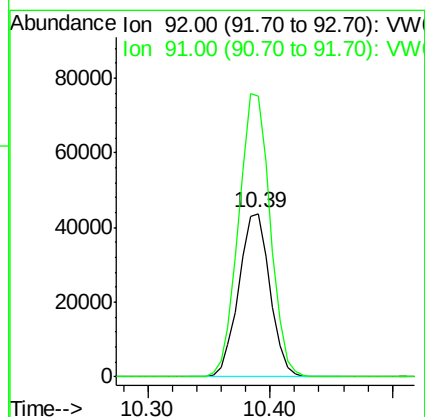
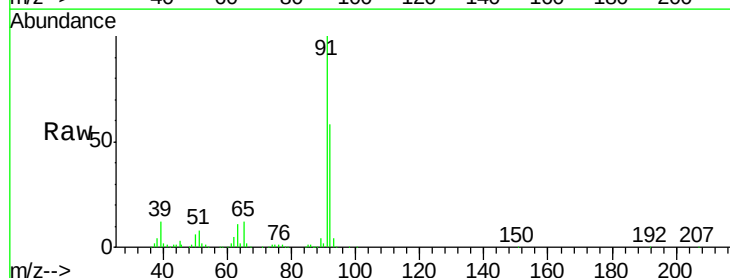
Acq: 29 Mar 2019 10:21

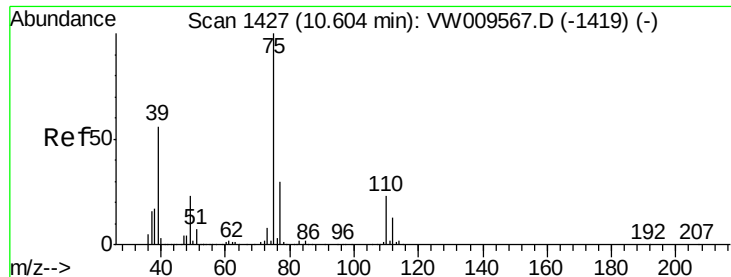
Tgt Ion: 92 Resp: 77599

Ion Ratio Lower Upper

92 100

91 174.2 140.1 210.1





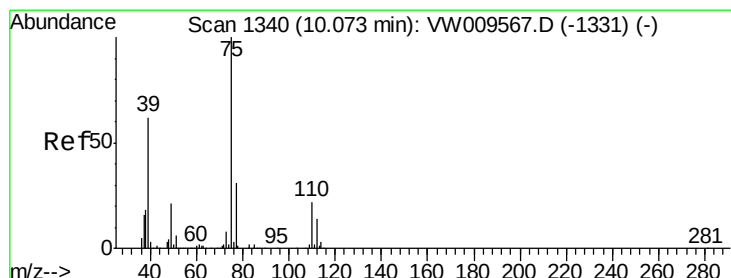
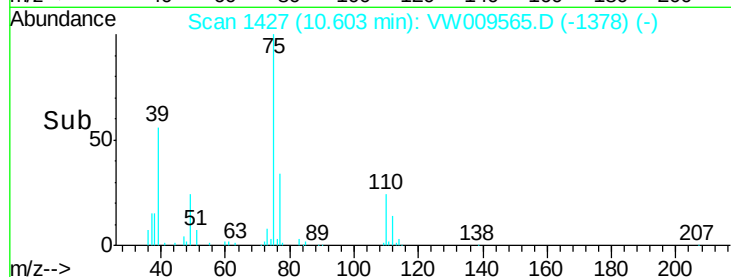
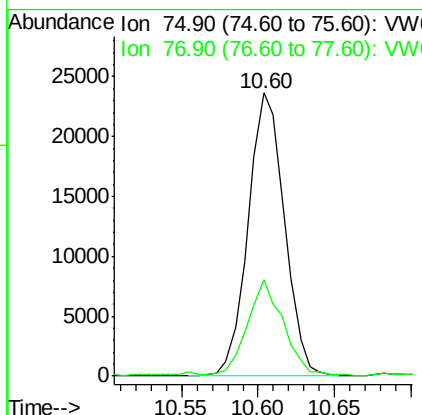
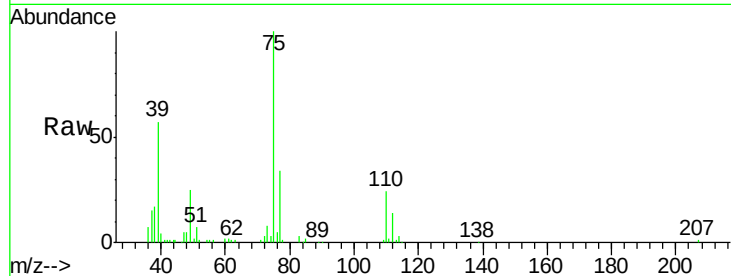
#53
t-1,3-Dichloropropene
Concen: 8.510 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.8	37.2

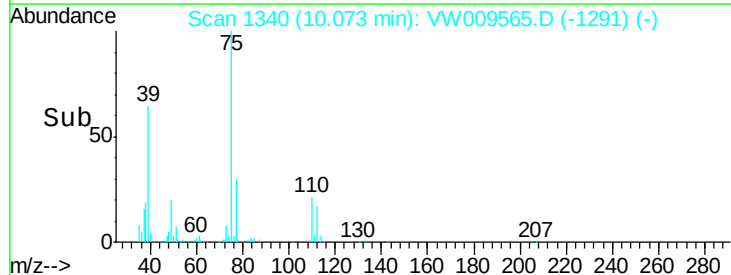
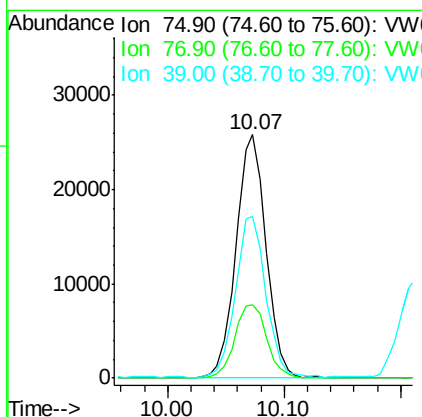
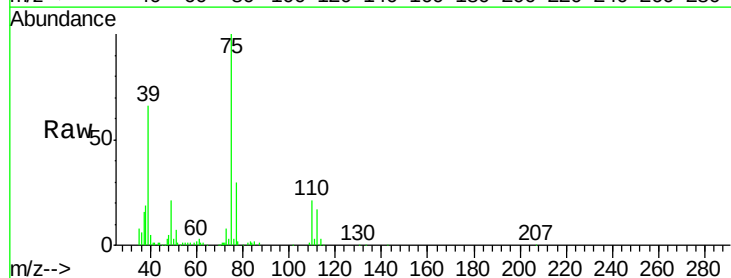
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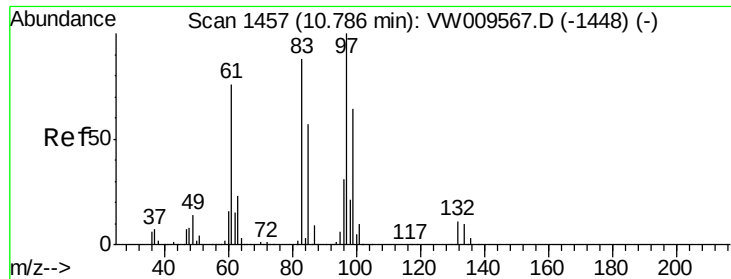
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 9.114 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.9	38.9
39	66.0	46.8	70.2





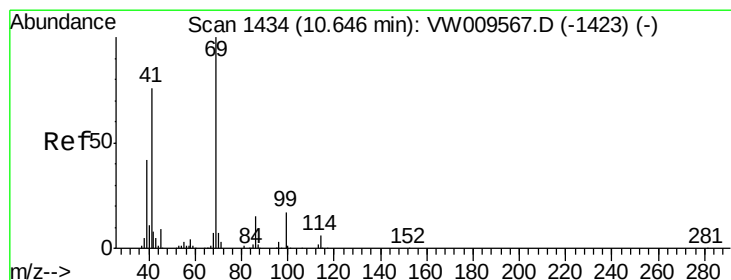
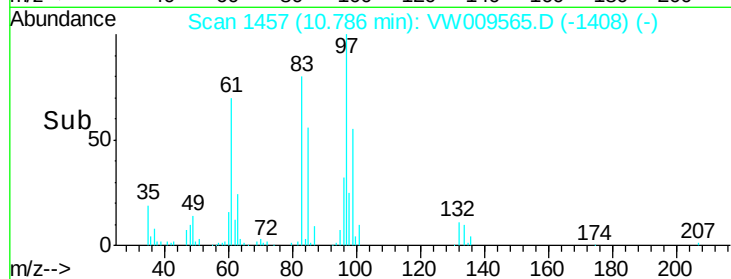
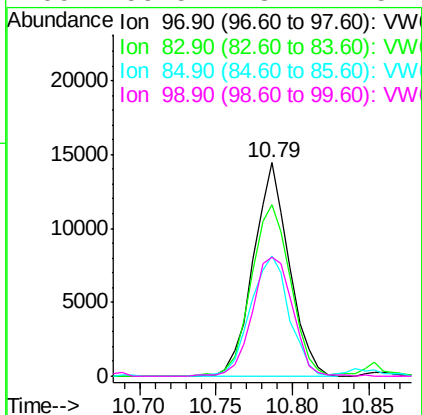
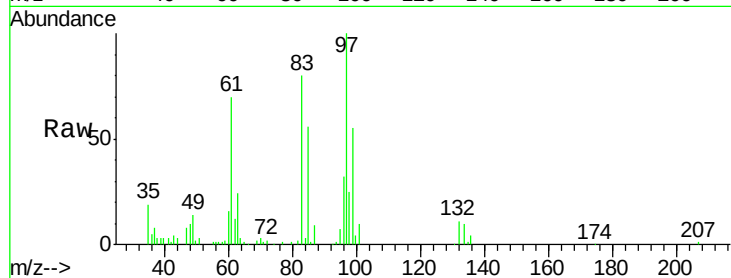
#55
 1,1,2-Trichloroethane
 Concen: 9.796 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	23541
Ion	Ratio	Lower	Upper
97	100		
83	80.3	66.3	99.5
85	56.1	41.4	62.2
99	55.5	48.7	73.1

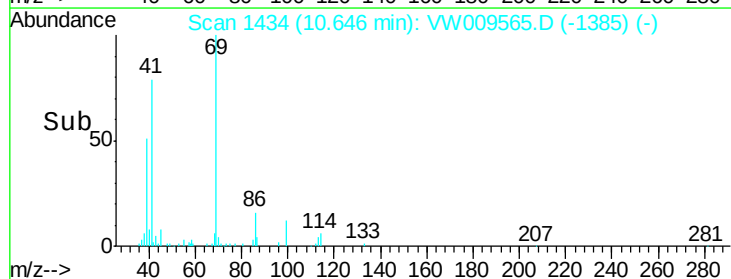
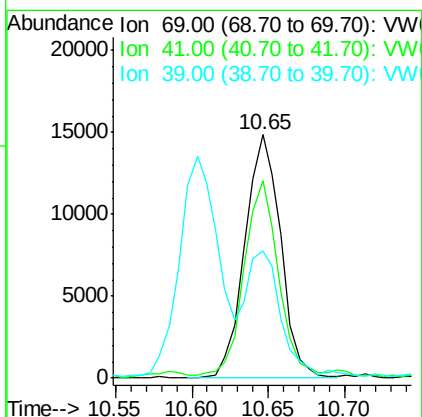
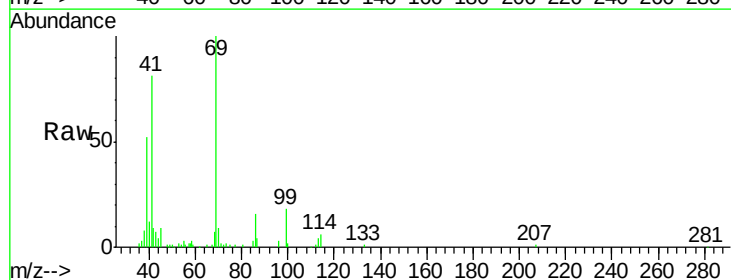
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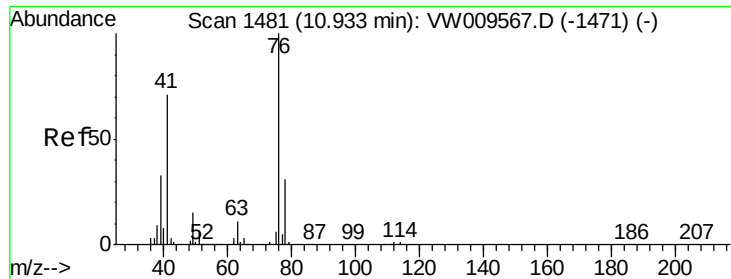
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#56
 Ethyl methacrylate
 Concen: 7.753 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion:	69	Resp:	24223
Ion	Ratio	Lower	Upper
69	100		
41	76.4	59.3	88.9
39	50.7	36.2	54.2





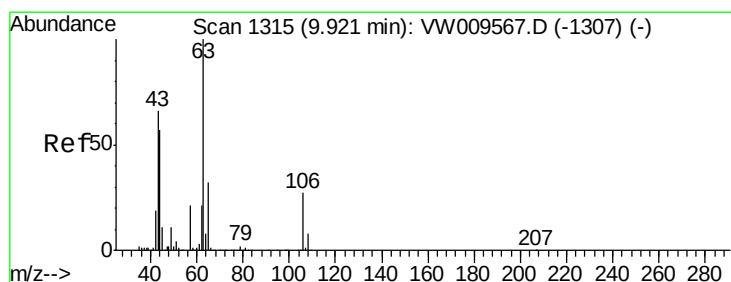
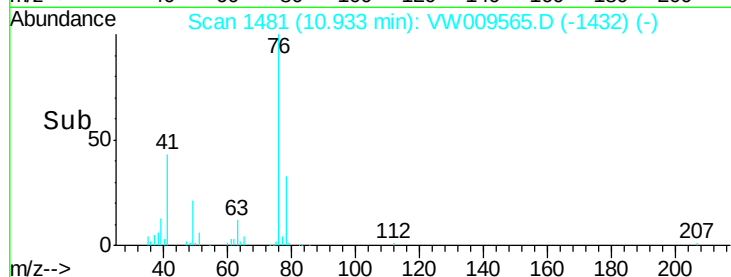
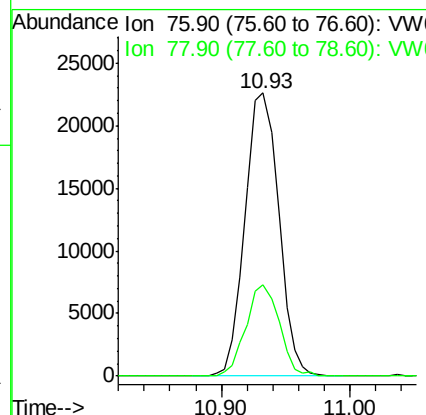
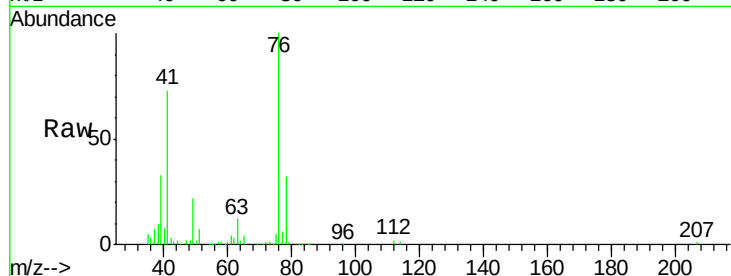
#57
 1,3-Dichloropropane
 Concen: 9.505 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 76 Resp: 41068
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

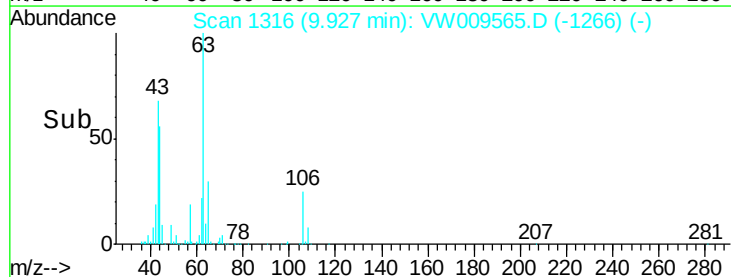
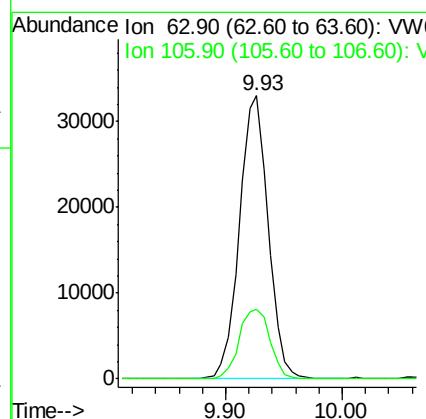
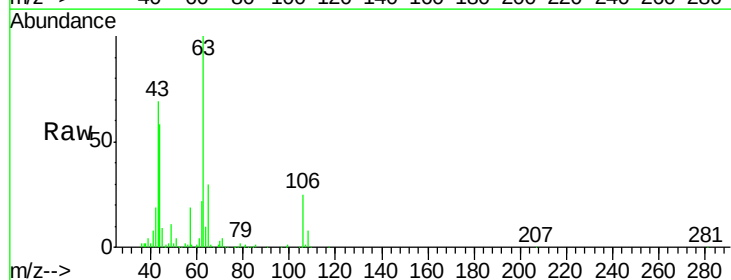
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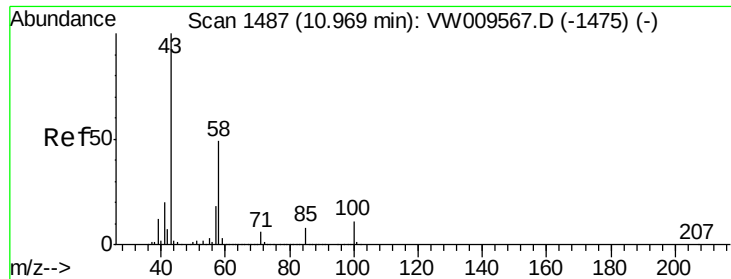
MMDadoda
 4/1/2019 4:04:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 37.160 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion: 63 Resp: 56876
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.9 34.3





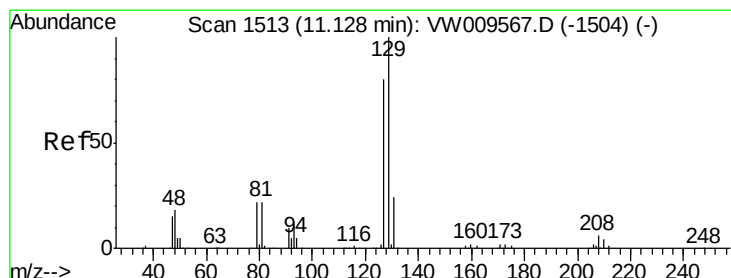
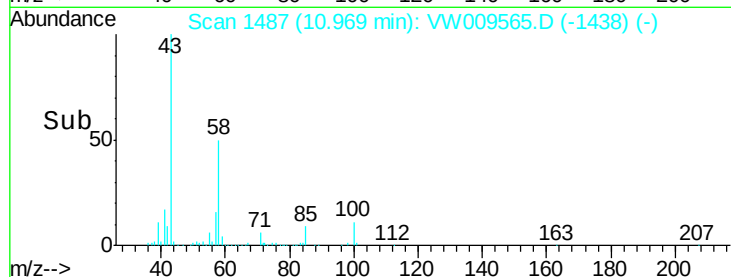
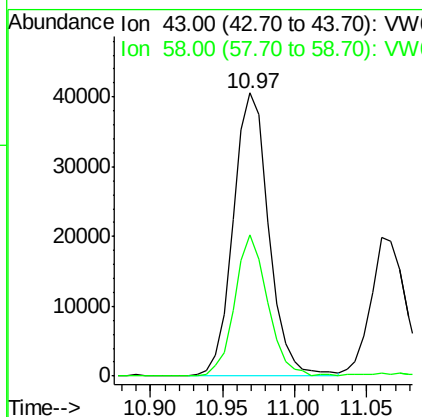
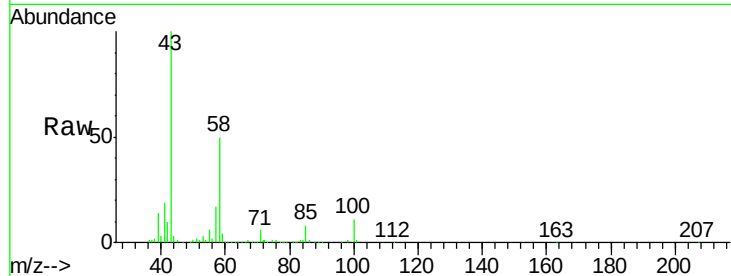
#59
2-Hexanone
Concen: 41.117 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 69933
Ion Ratio Lower Upper
43 100
58 46.4 24.2 72.6

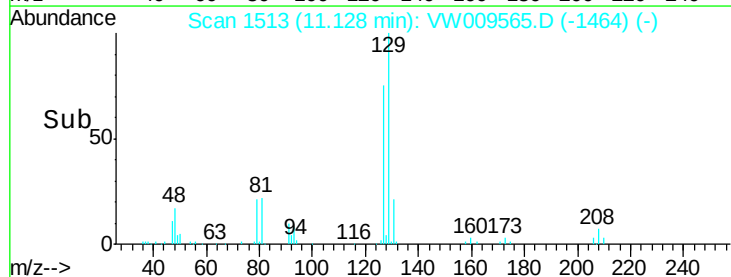
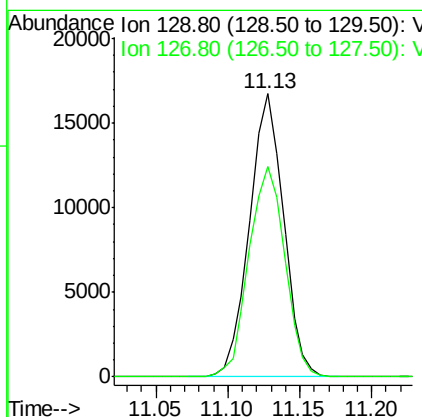
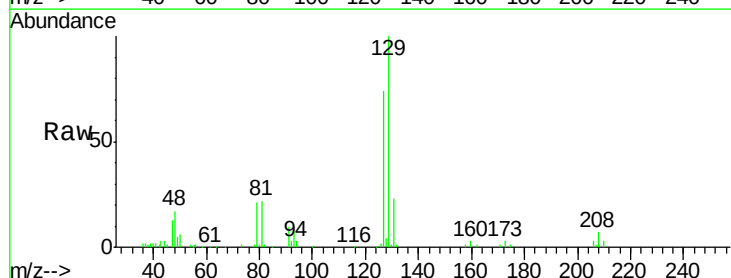
Manual Integrations
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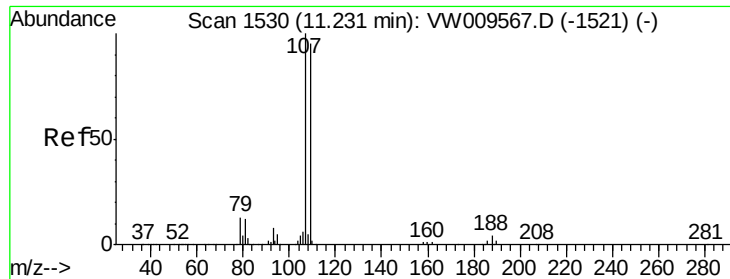
MMDadoda
4/1/2019 4:04:44 AM



#60
Dibromochloromethane
Concen: 9.422 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 129 Resp: 27492
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 9.606 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 22277

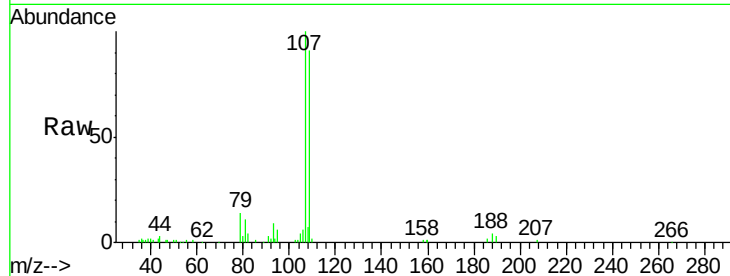
Ion Ratio Lower Upper

107 100

109 91.5 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

15000

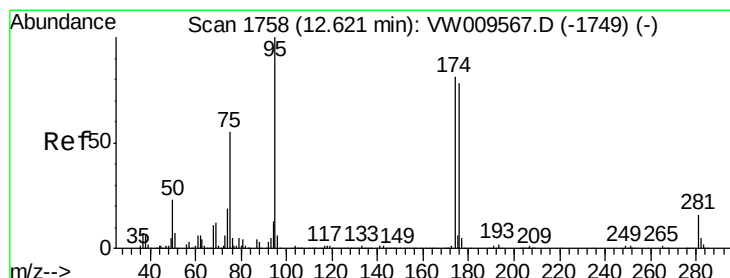
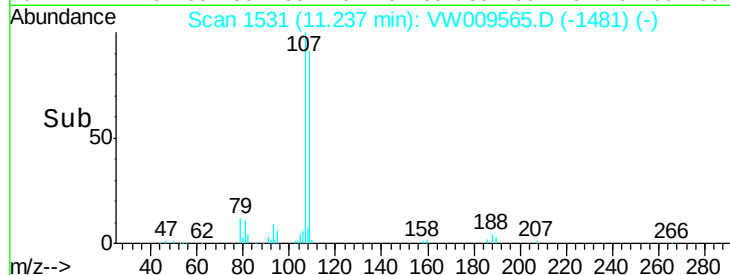
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 9.048 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

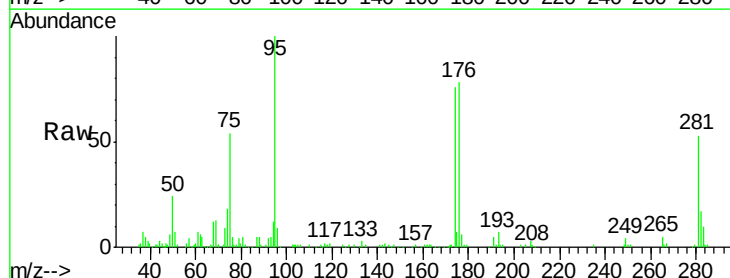
Tgt Ion: 95 Resp: 37855

Ion Ratio Lower Upper

95 100

174 78.5 0.0 168.4

176 79.5 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

30000

25000

20000

15000

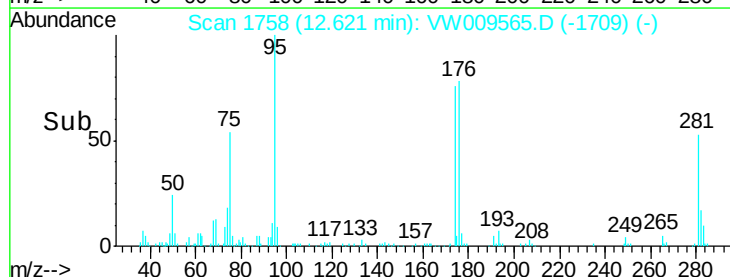
10000

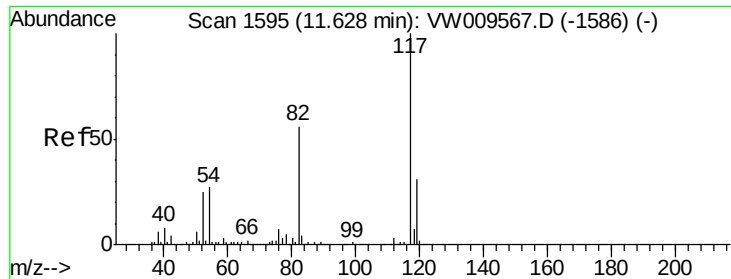
5000

0

Time-->

12.60 12.70





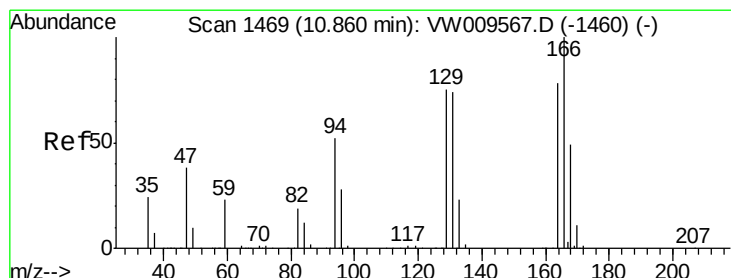
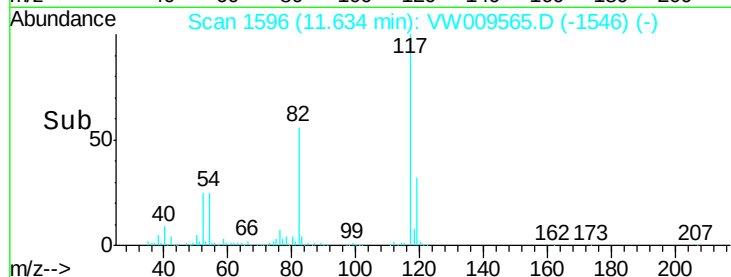
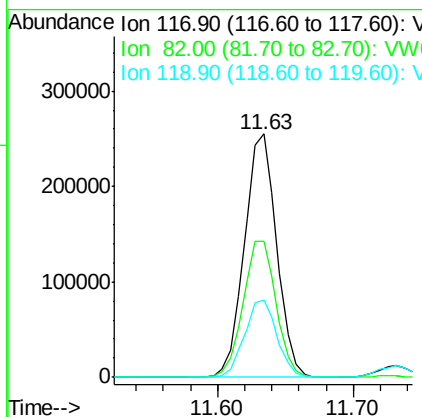
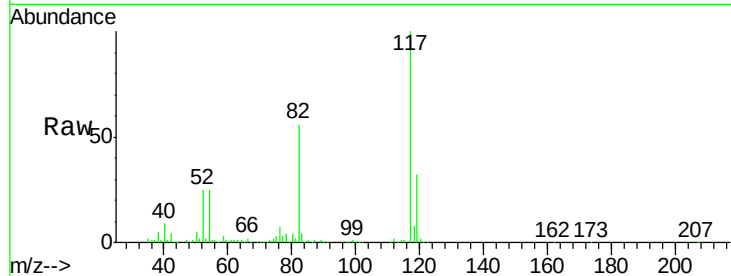
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	422695		
82	55.8	43.6	65.4	
119	31.6	26.0	39.0	

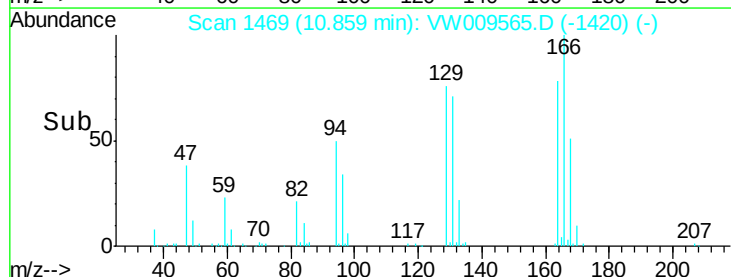
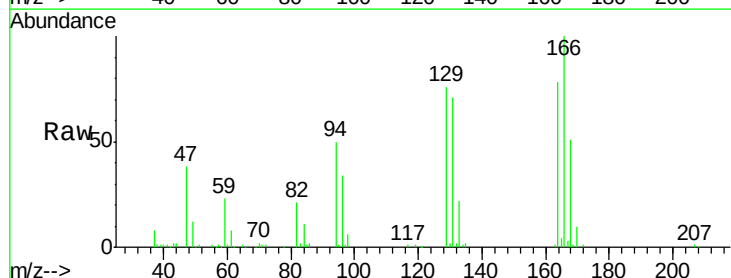
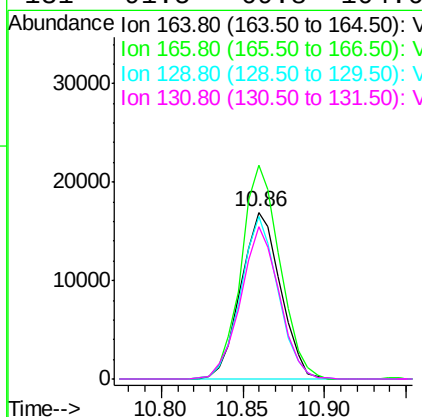
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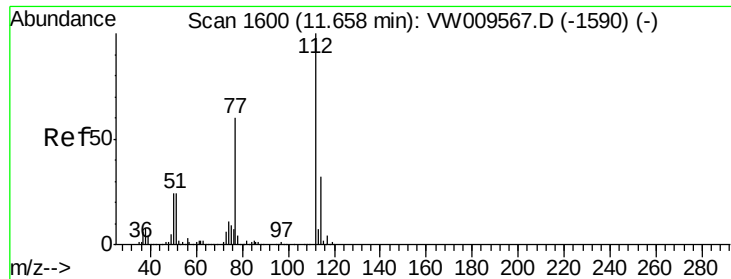
MMDadoda
4/1/2019 4:04:44 AM



#64
Tetrachloroethene
Concen: 10.173 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28555		
166	128.3	100.9	151.3	
129	97.5	72.0	108.0	
131	91.5	69.8	104.6	





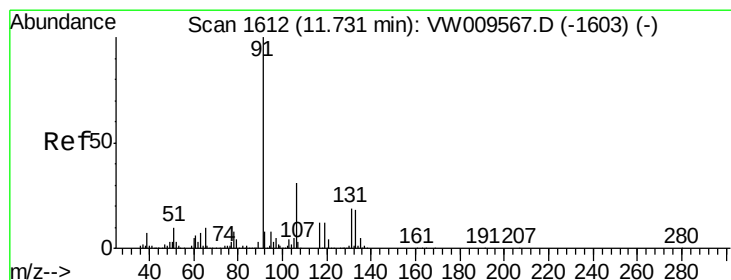
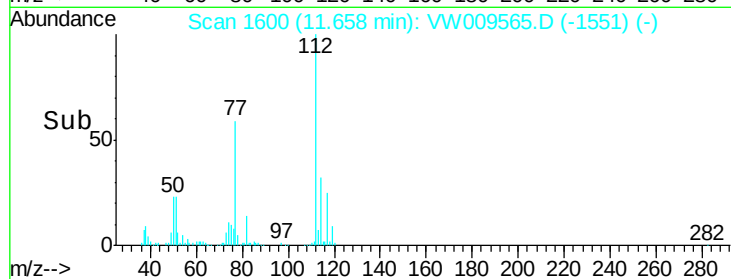
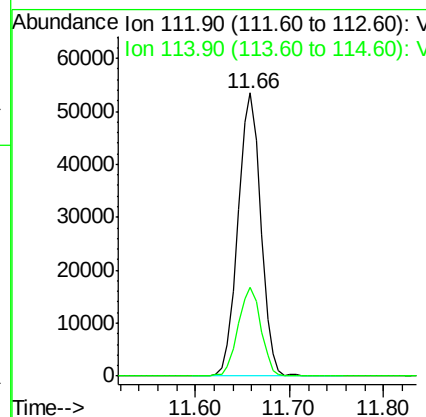
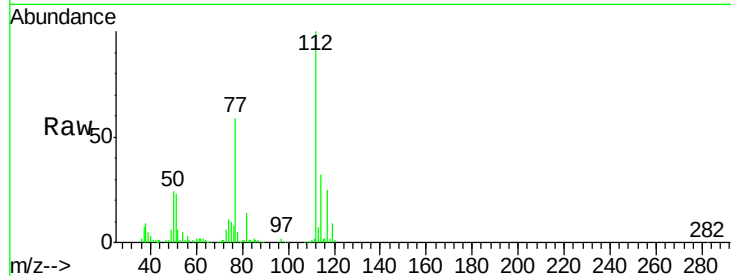
#65
Chlorobenzene
Concen: 10.162 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 89755
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4

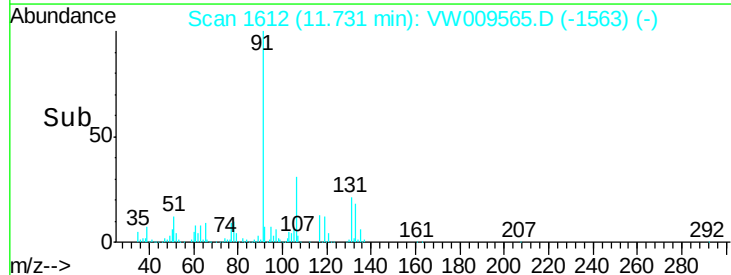
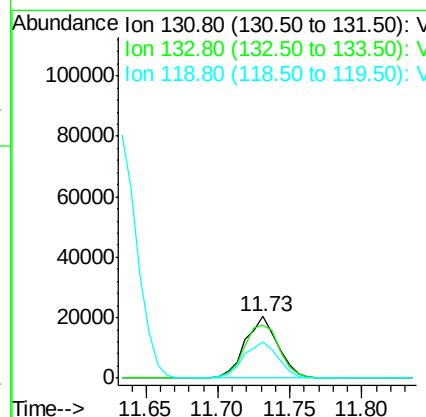
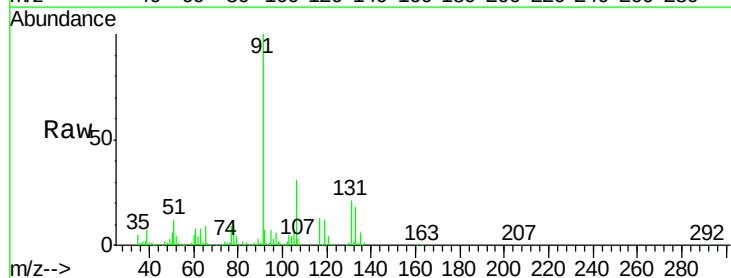
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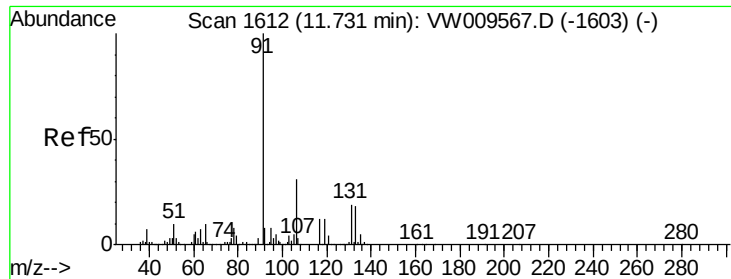
MMDadoda
4/1/2019 4:04:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.936 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion:131 Resp: 32245
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.8
119 62.1 31.6 95.0





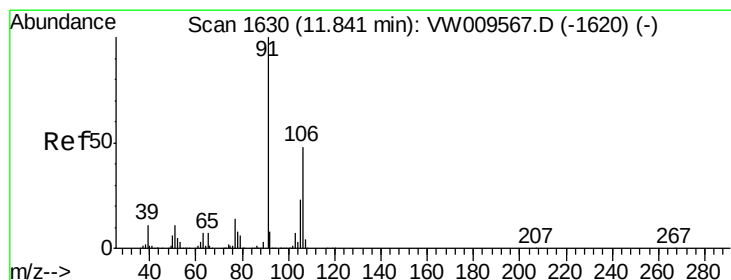
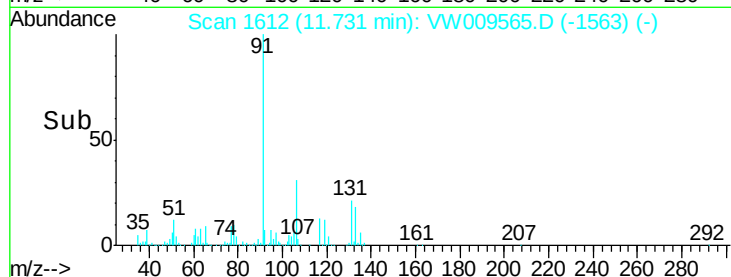
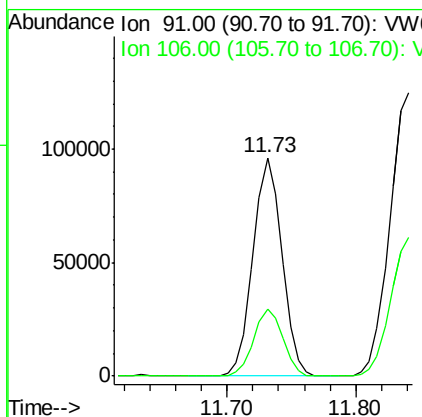
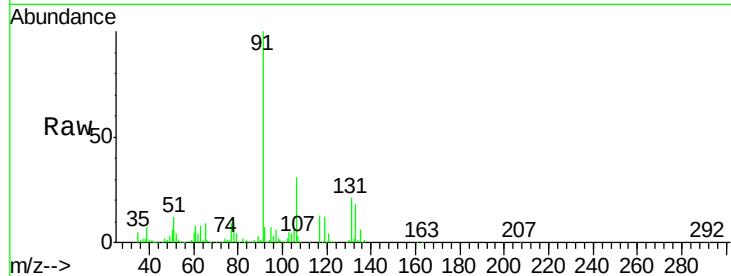
#67
Ethyl Benzene
Concen: 9.283 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.7	24.6	36.8	

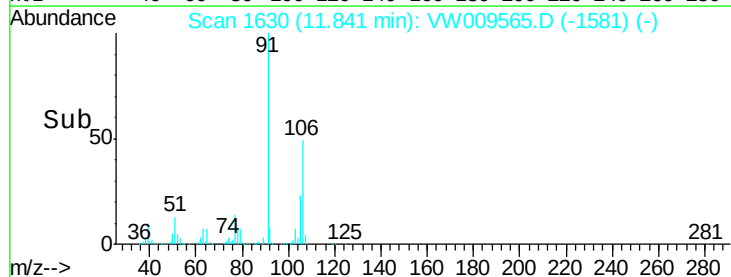
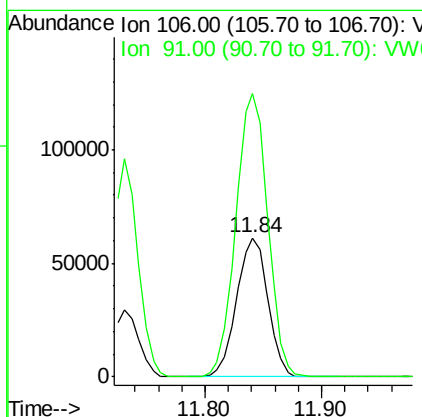
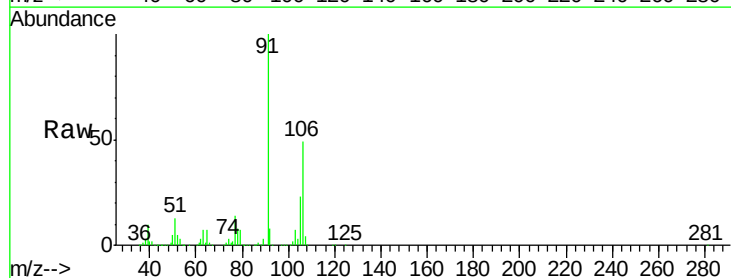
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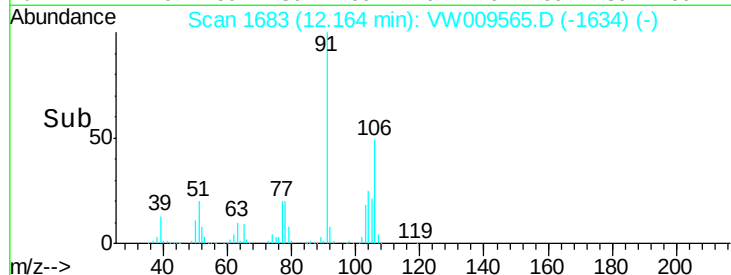
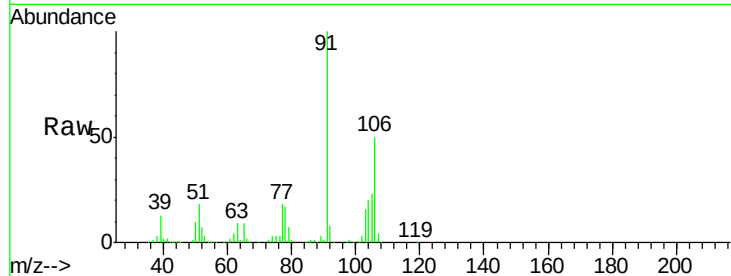
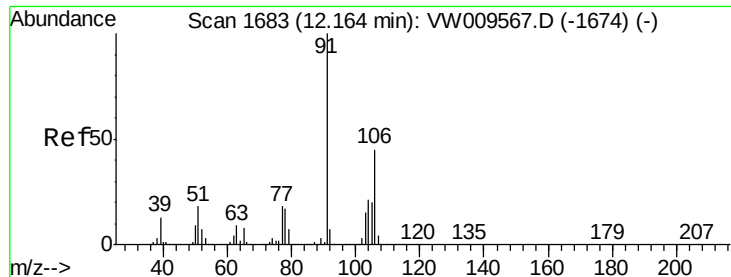
MMDadoda
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#68
m/p-Xylenes
Concen: 18.693 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.9	163.1	244.7	





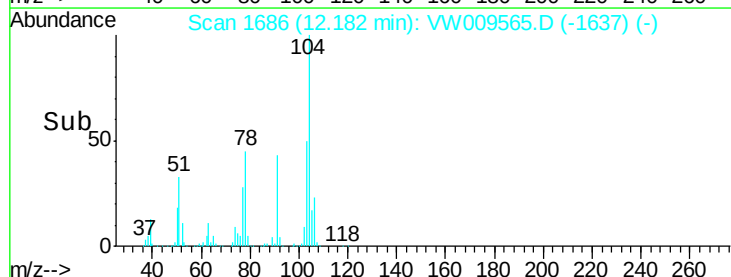
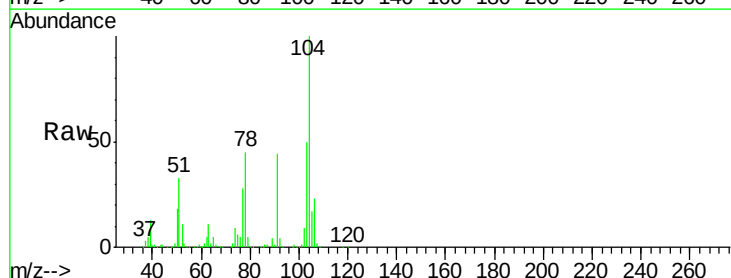
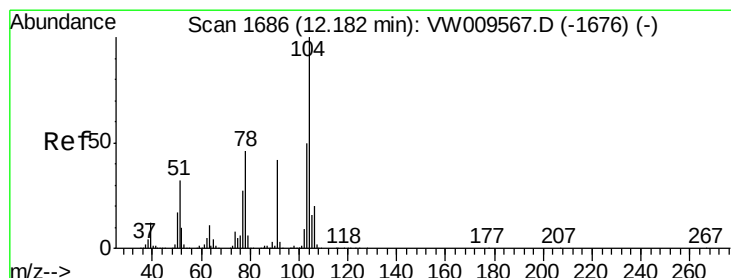
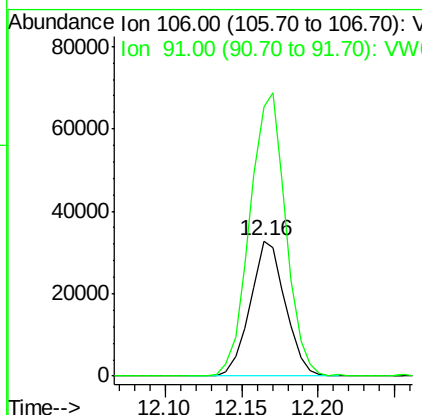
#69
o-Xylene
Concen: 9.072 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tot Ion:106 Resp: 52325
Ion Ratio Lower Upper
106 100
91 215.0 108.6 325.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

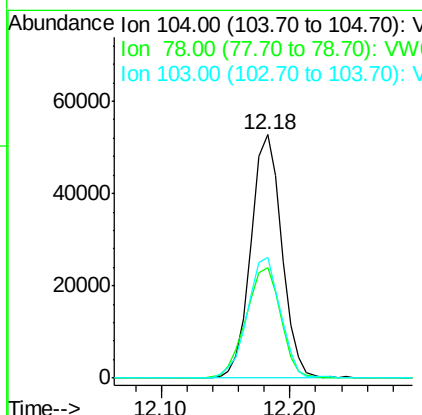
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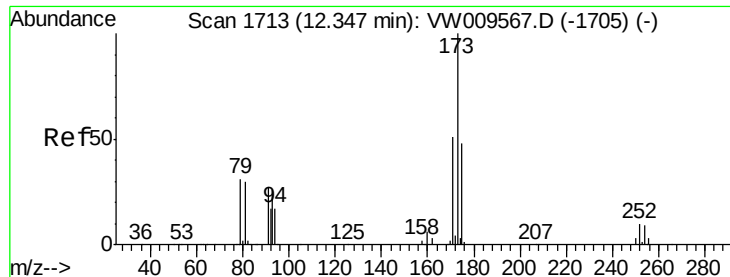
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#70
Styrene
Concen: 8.925 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion:104 Resp: 86977
Ion Ratio Lower Upper
104 100
78 51.6 42.2 63.4
103 53.7 44.6 66.8





#71

Bromoform

Concen: 9.121 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 15973

Ion Ratio Lower Upper

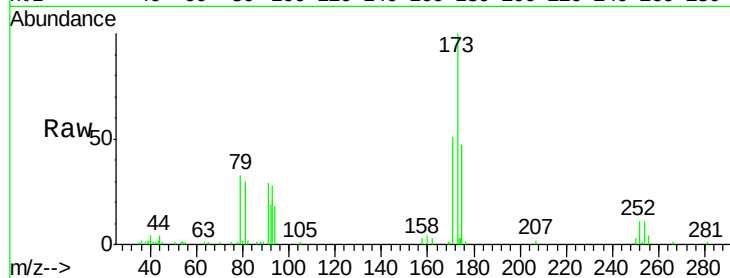
173 100

175 48.9 24.1 72.4

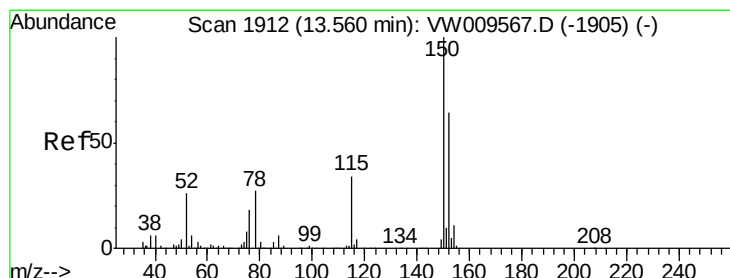
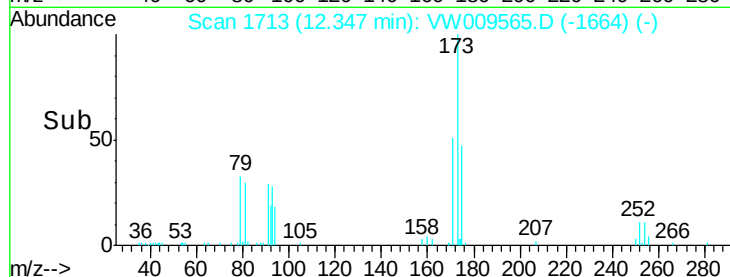
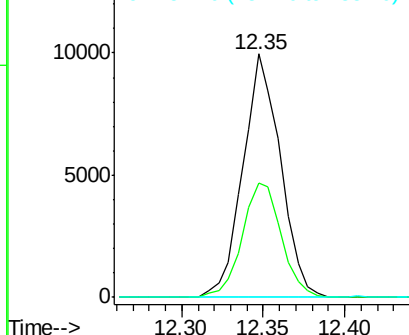
254 0.0 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

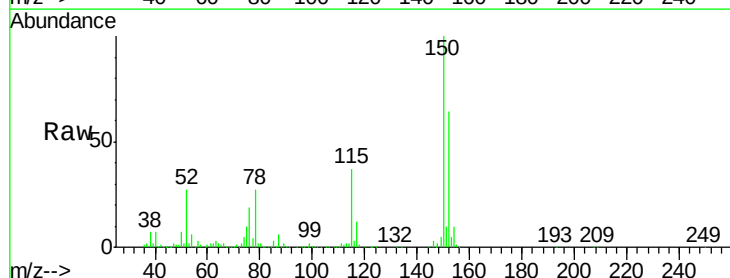
Tgt Ion:152 Resp: 229122

Ion Ratio Lower Upper

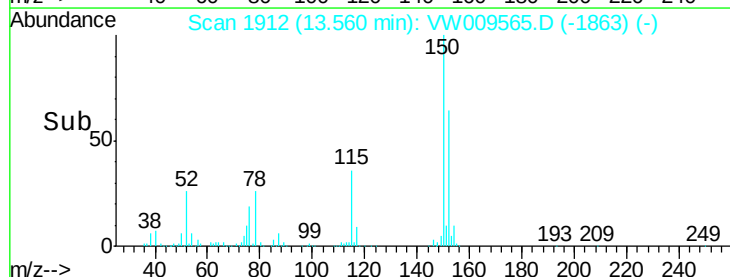
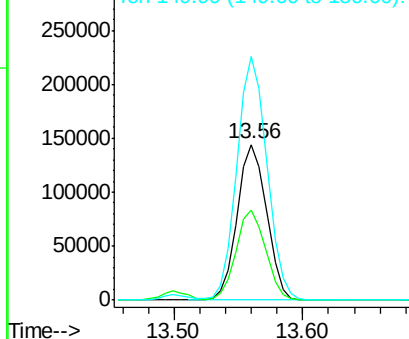
152 100

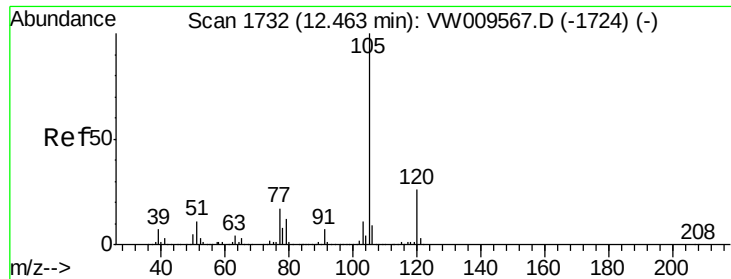
115 58.1 29.6 88.8

150 159.2 0.0 349.2



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





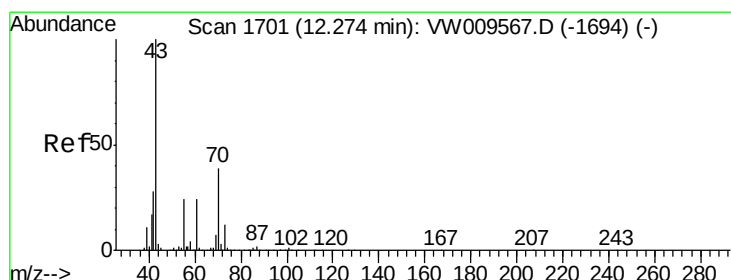
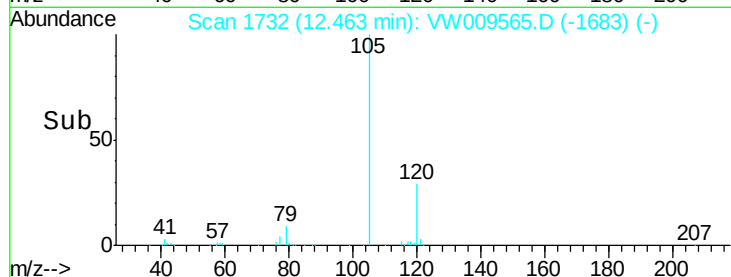
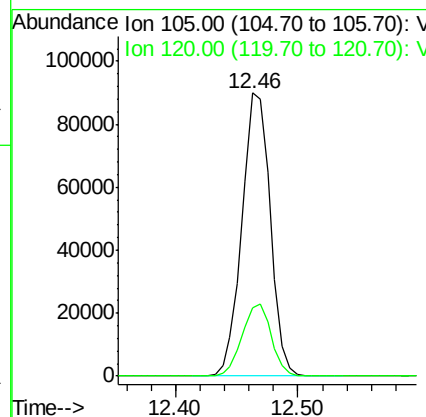
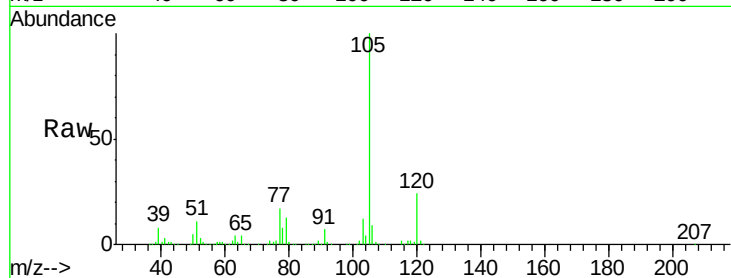
#73
Isopropylbenzene
Concen: 8.517 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0

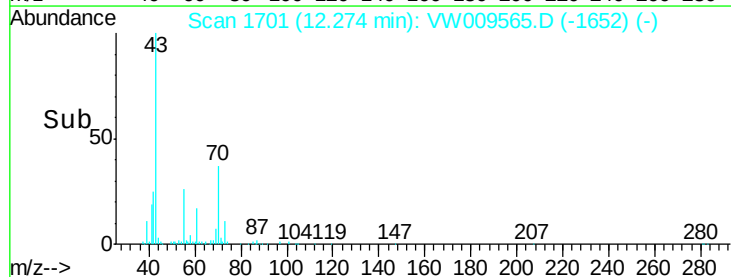
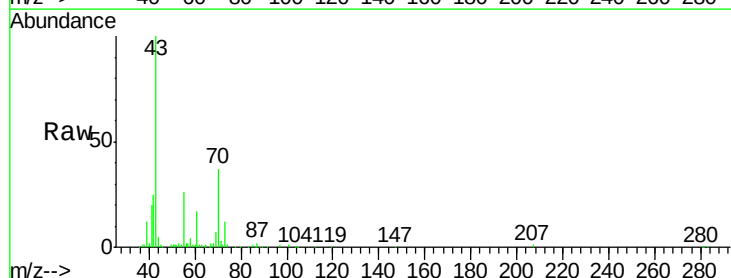
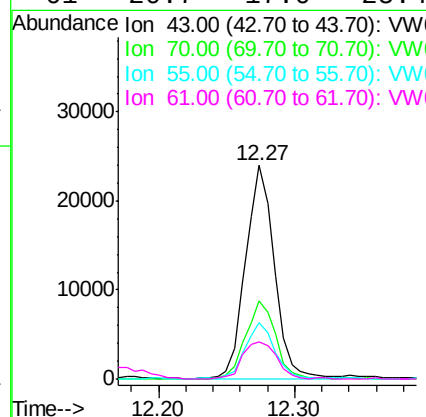
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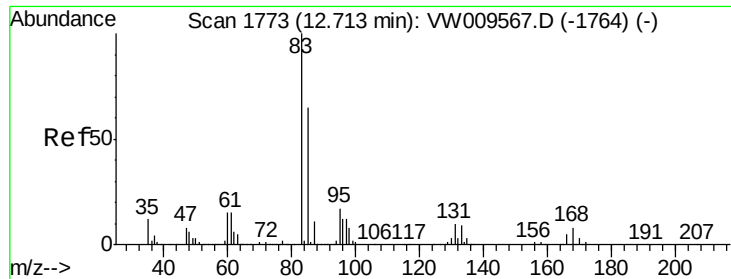
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4/1/2019 4:04:44 AM



#74
N-ethyl acetate
Concen: 8.400 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.8	30.6	46.0
55	27.3	19.3	28.9
61	20.7	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 9.550 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

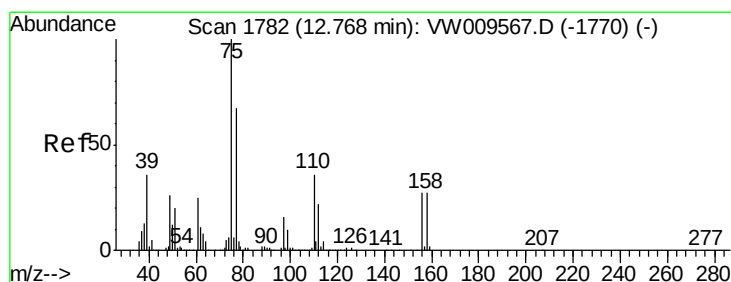
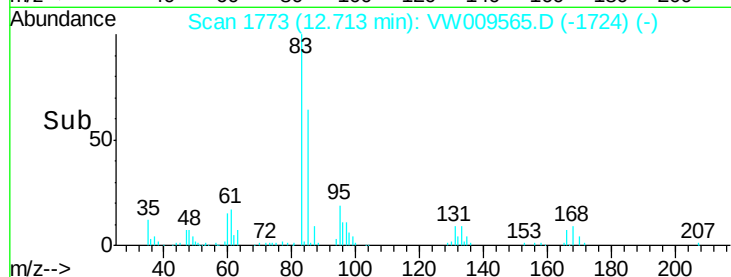
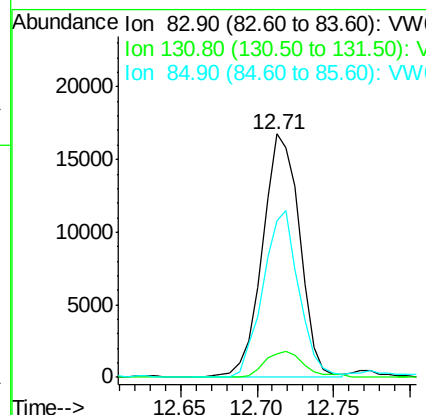
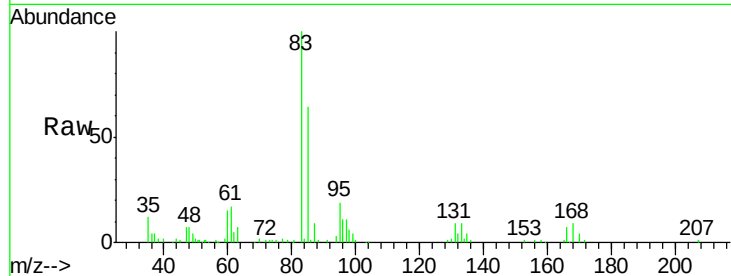
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	28503
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.3	16.1
85	66.2	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 9.174 ug/l m

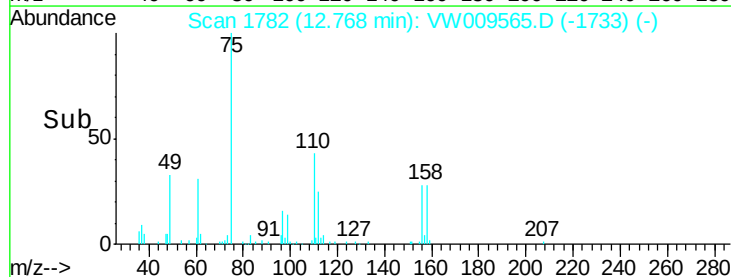
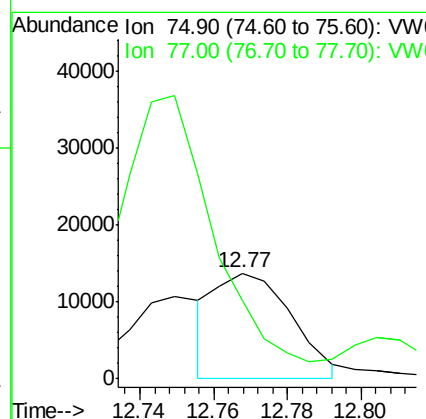
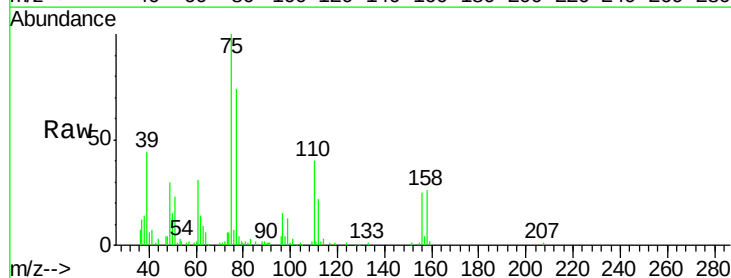
RT: 12.77 min Scan# 1782

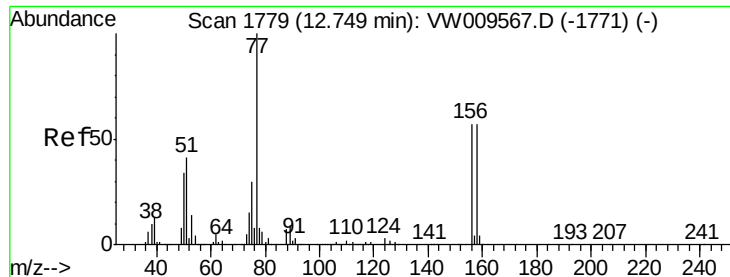
Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:	75	Resp:	19879
Ion	Ratio	Lower	Upper
75	100		
77	342.0	0.0	0.0#





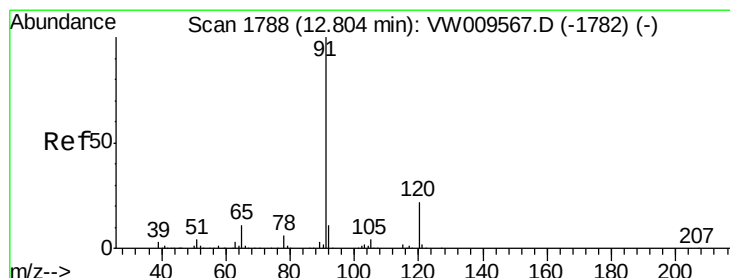
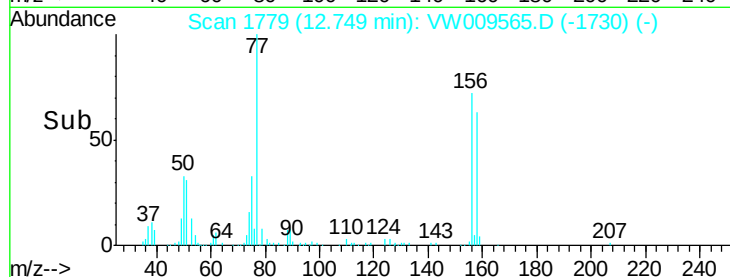
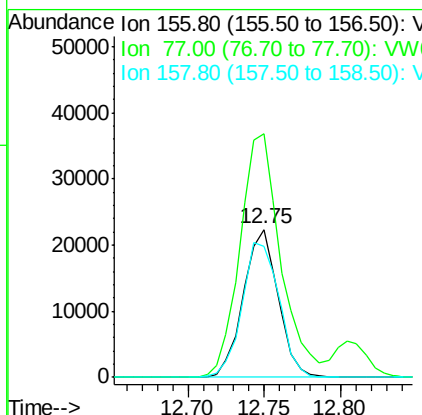
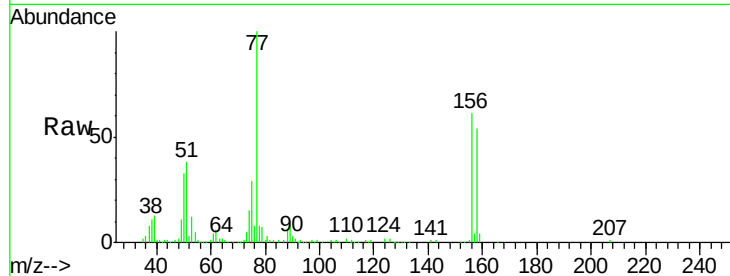
#77
Bromobenzene
Concen: 9.362 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		35313		
77	192.5	96.0	288.0		
158	97.6	49.1	147.3		

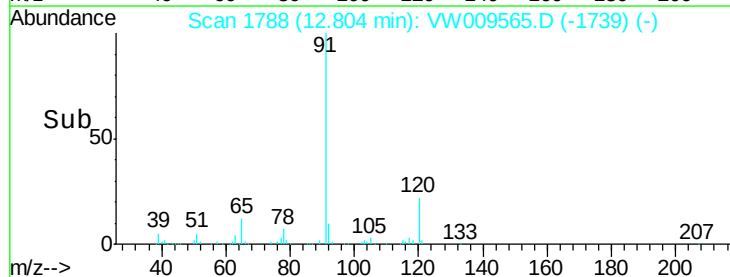
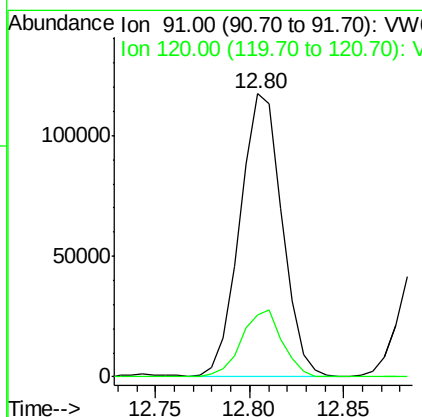
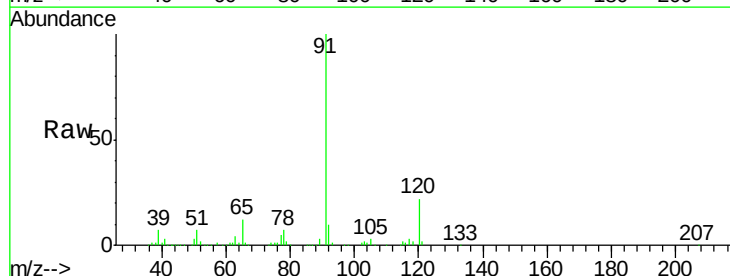
Manual Integrations
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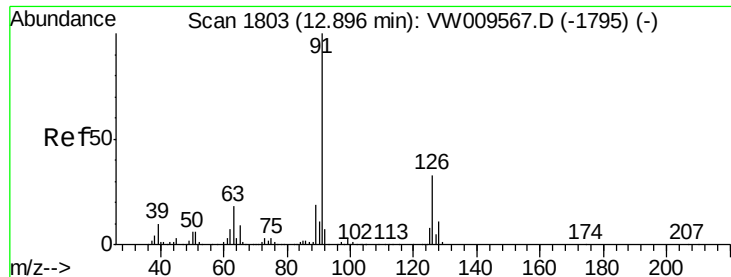
MMDadoda
4/1/2019 4:04:44 AM



#78
n-propylbenzene
Concen: 8.695 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		181265		
120	22.9	11.1	33.3		





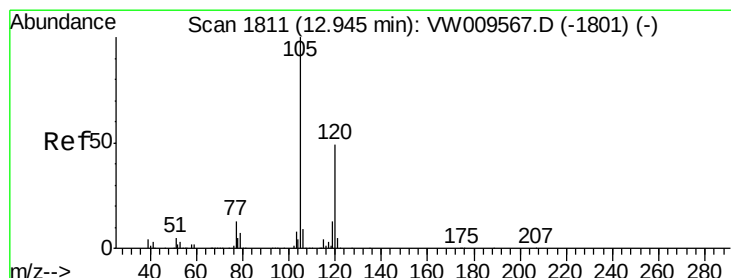
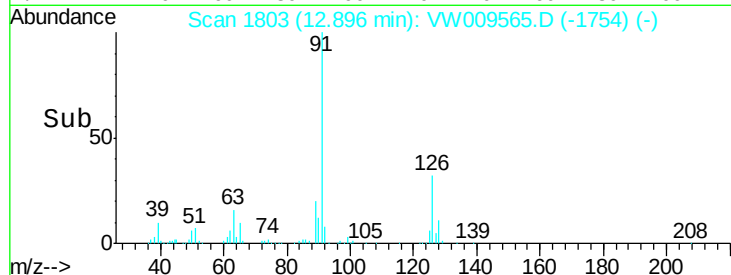
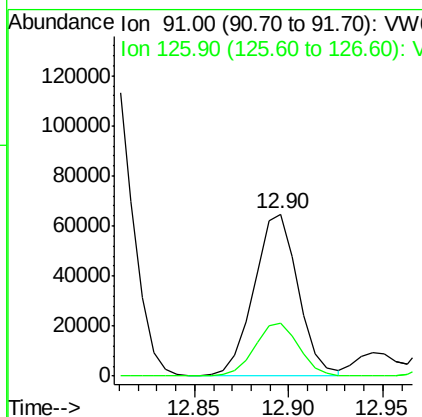
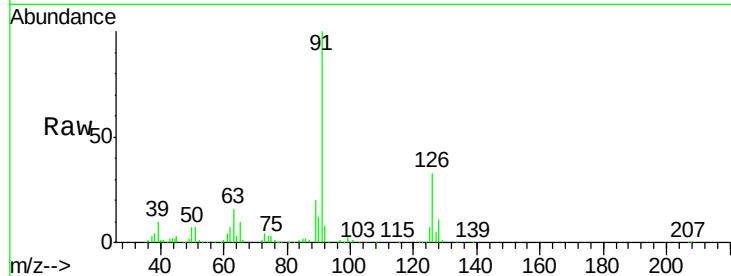
#79
 2-Chlorotoluene
 Concen: 8.938 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 104705
 Ion Ratio Lower Upper
 91 100
 126 32.9 17.0 51.0

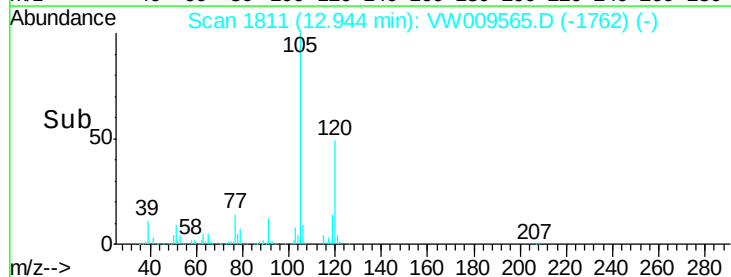
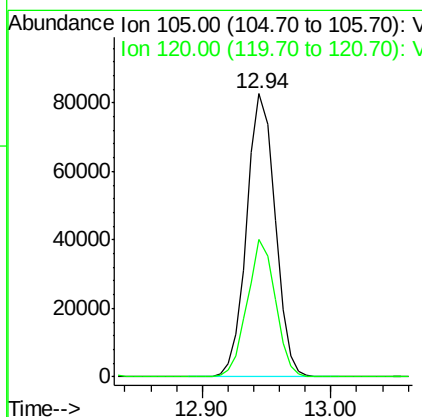
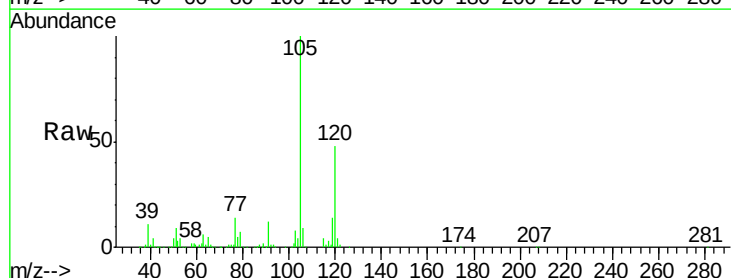
Manual Integrations
 APPROVED

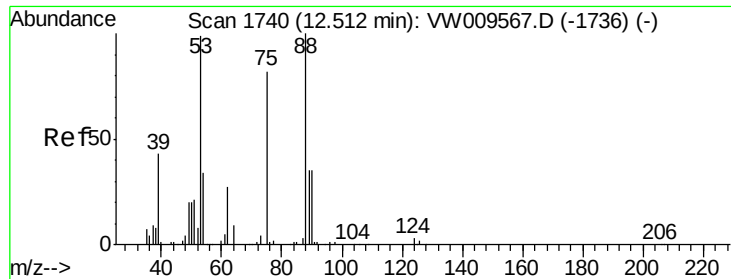
MMDadoda
 4/1/2019 4:04:44 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 8.771 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion: 105 Resp: 125609
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 8.387 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

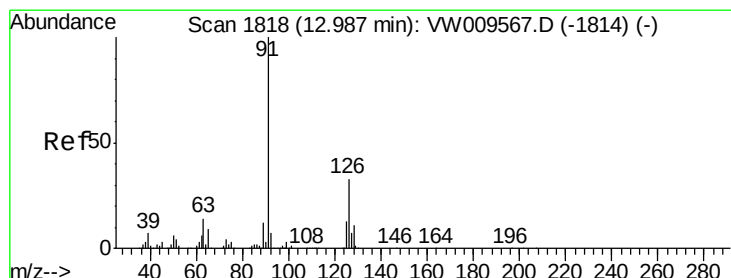
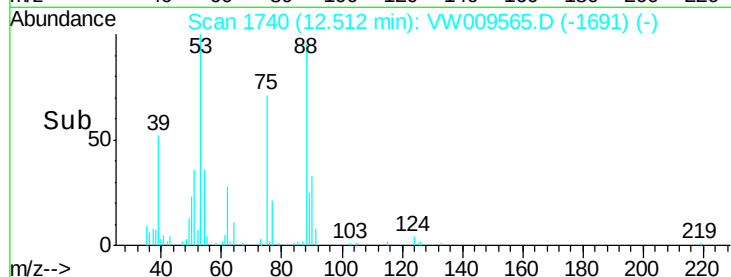
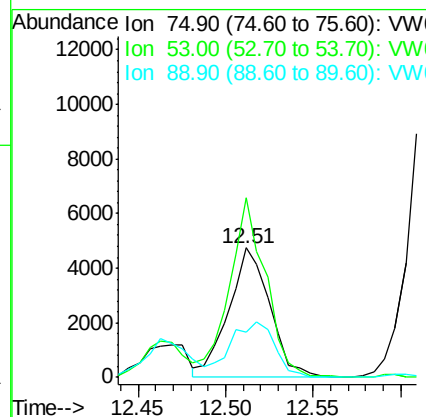
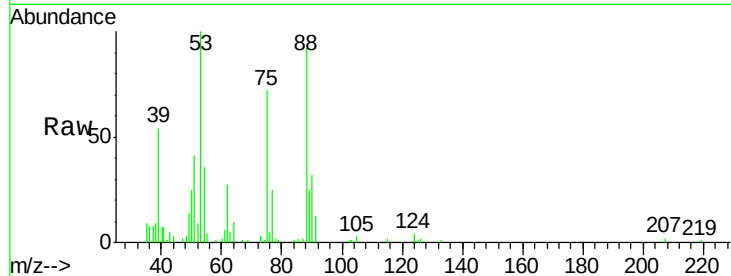
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	7785
Ion	Ratio	Lower	Upper
75	100		
53	123.0	86.7	130.1
89	46.1	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 8.980 ug/l

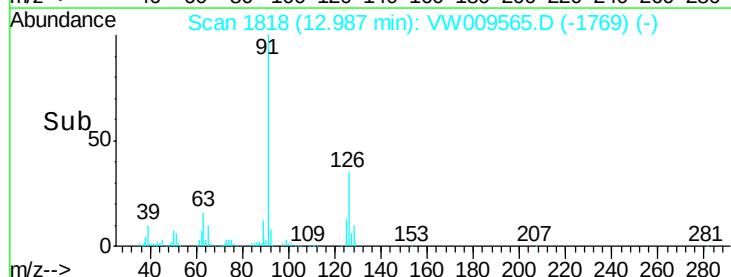
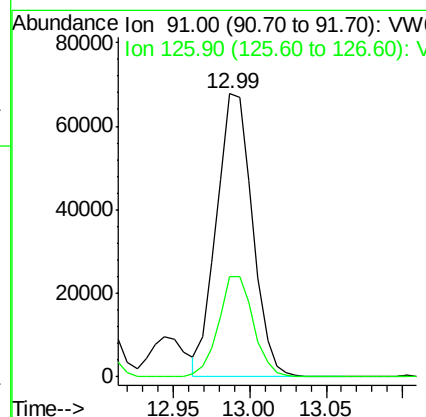
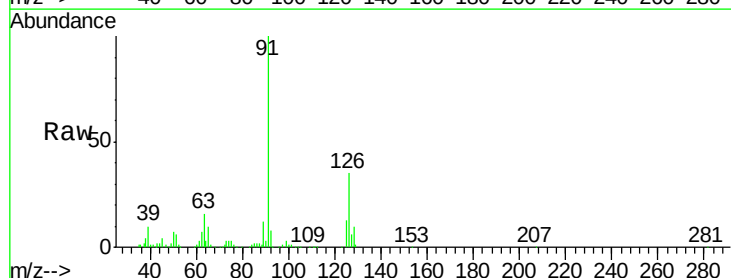
RT: 12.99 min Scan# 1818

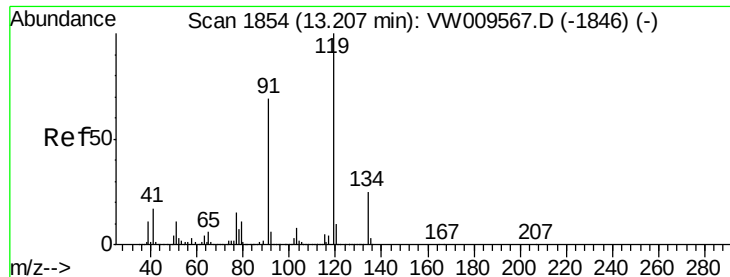
Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:	91	Resp:	110784
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.9	50.6





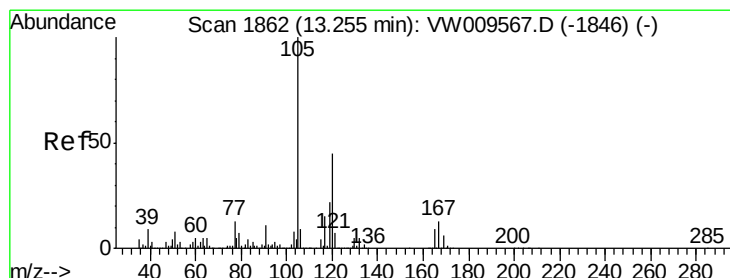
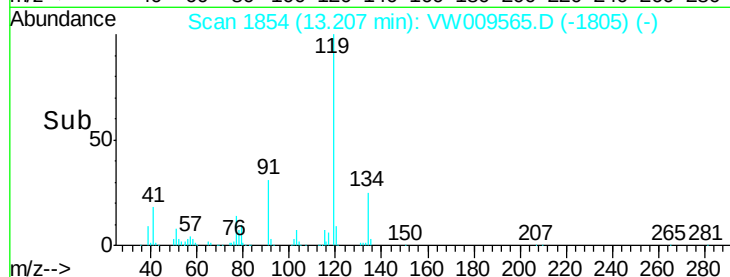
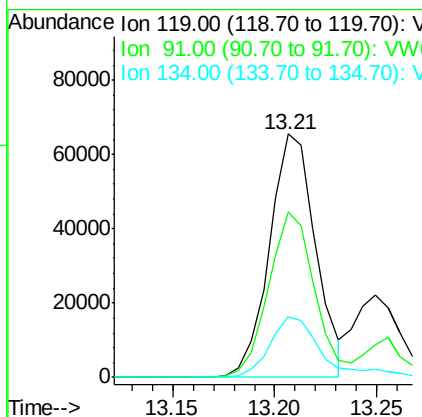
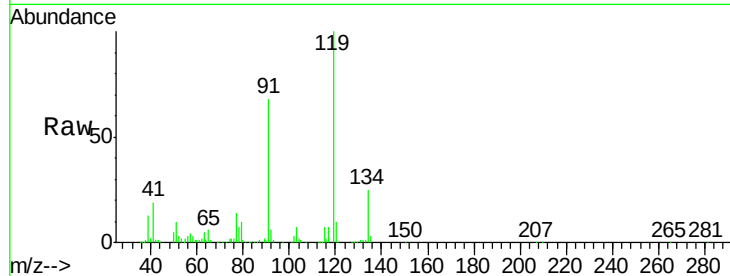
#83
 tert-Butylbenzene
 Concen: 8.470 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.4	103.2
134	28.2	12.7	38.1

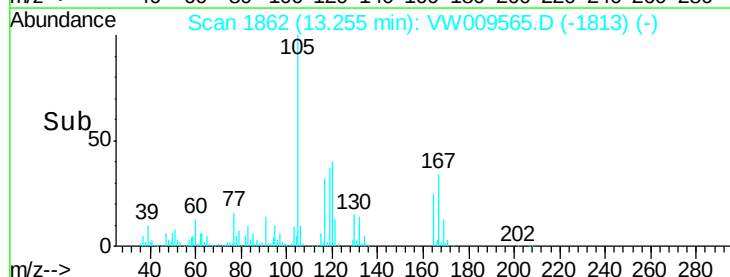
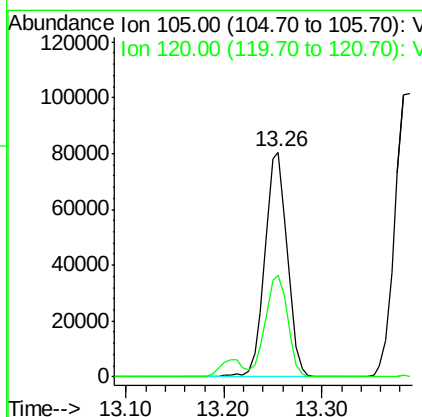
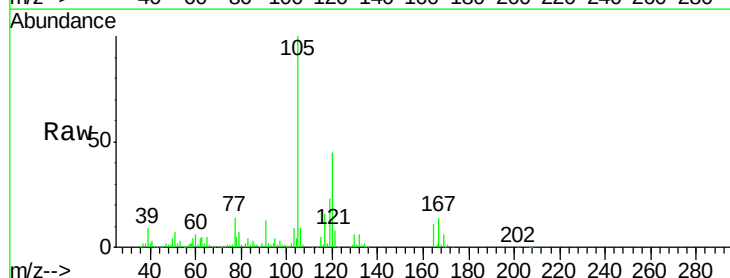
Manual Integrations
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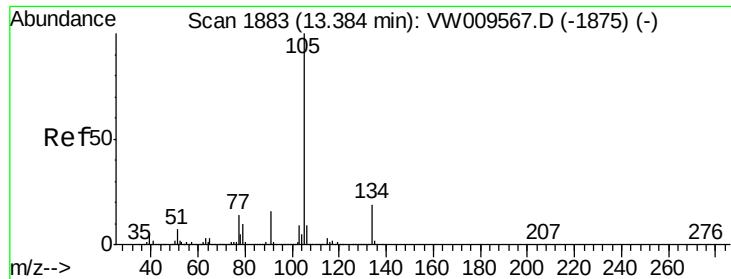
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#84
 1,2,4-Trimethylbenzene
 Concen: 8.636 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 8.752 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 161963

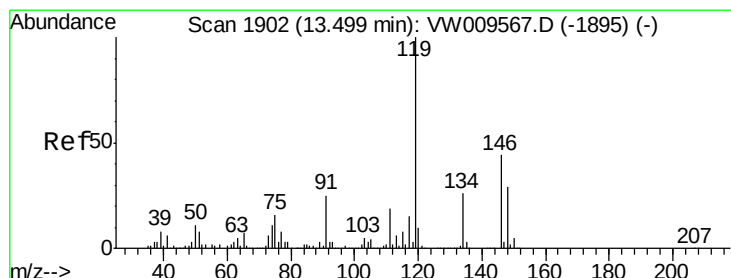
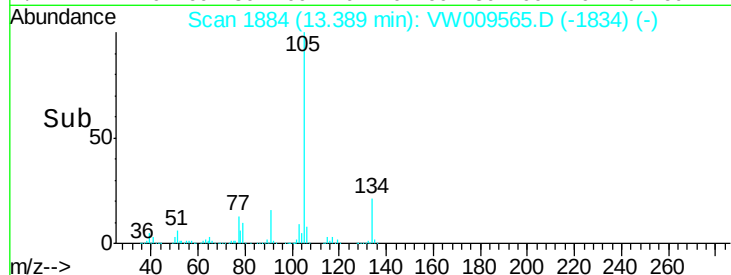
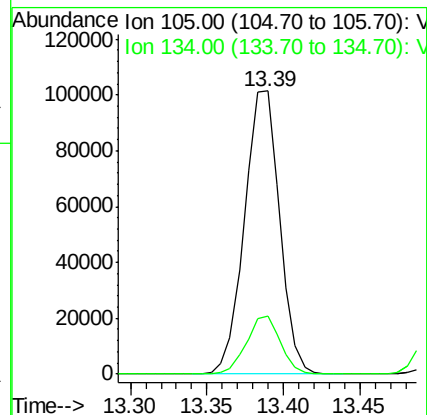
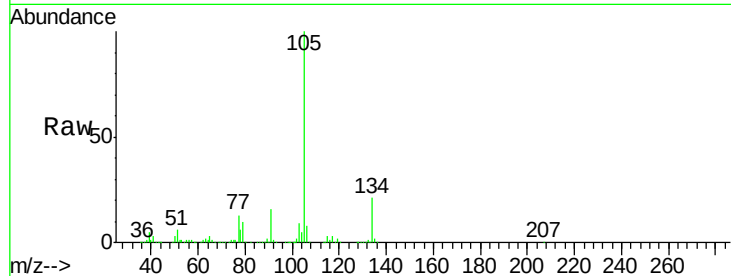
Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 8.604 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

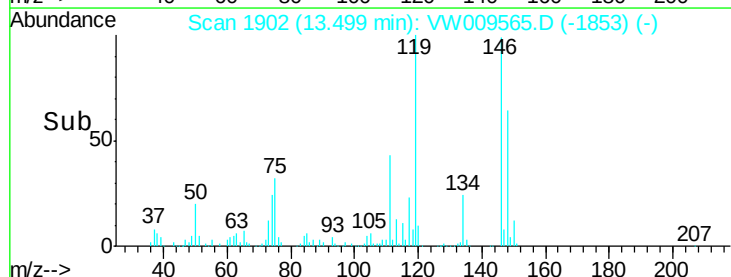
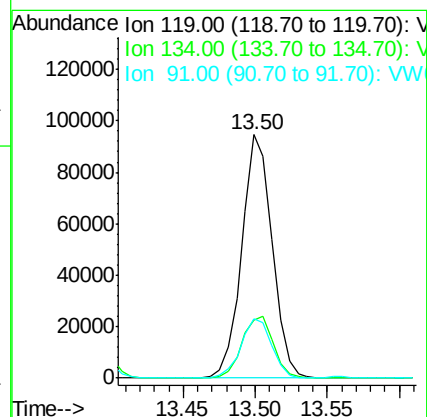
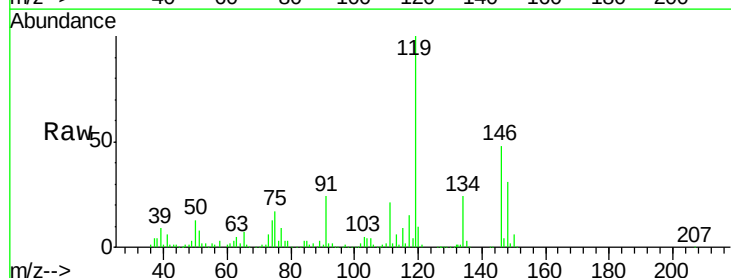
Tgt Ion:119 Resp: 138392

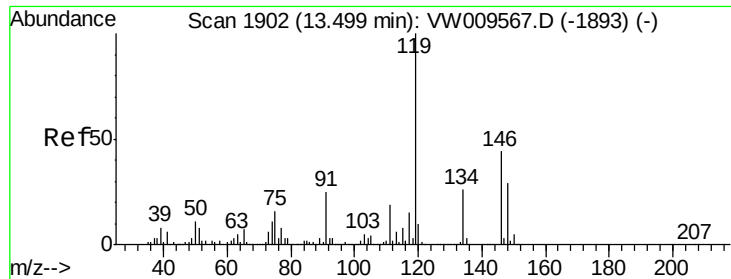
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 25.0 12.3 36.8





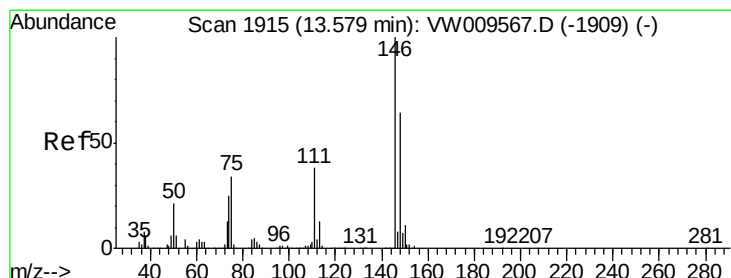
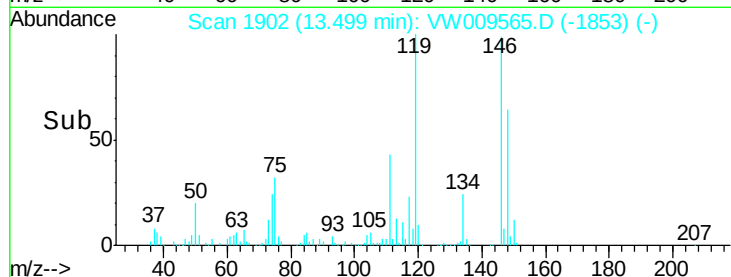
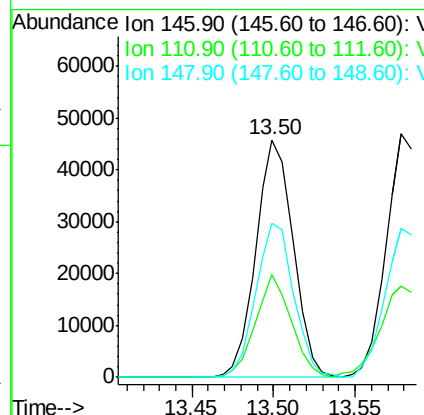
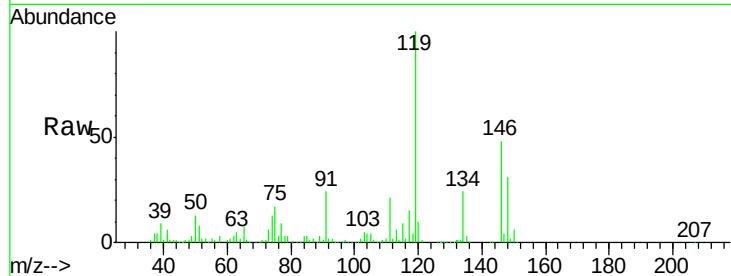
#87
 1,3-Dichlorobenzene
 Concen: 9.367 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.2
148	66.1	31.4	94.3

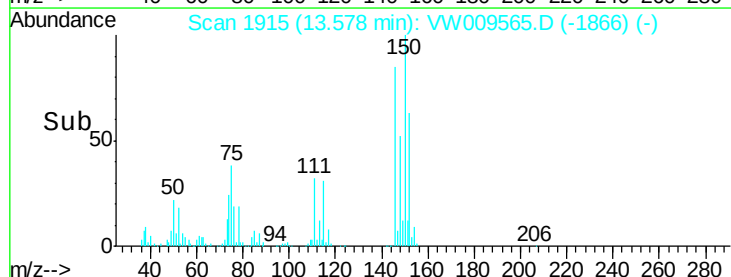
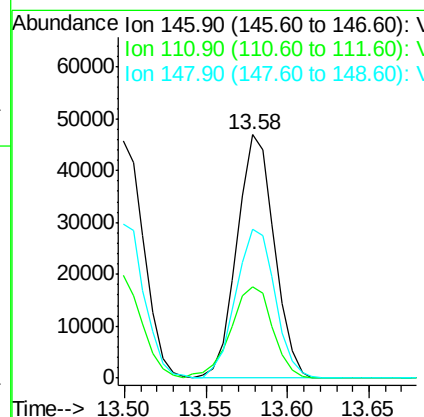
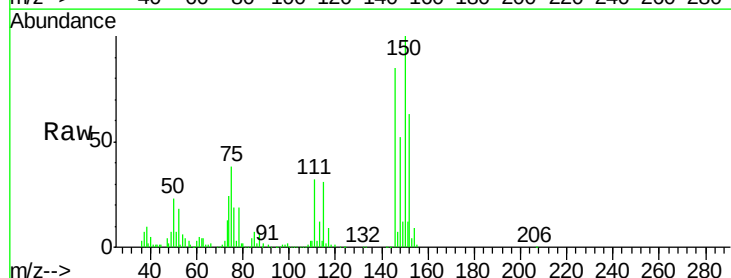
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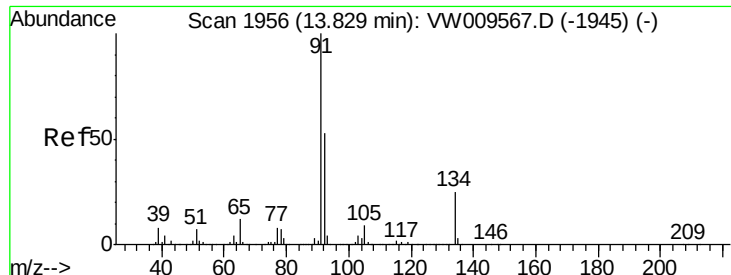
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#88
 1,4-Dichlorobenzene
 Concen: 9.727 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.9	59.6
148	64.2	32.2	96.6





#89

n-Butylbenzene

Concen: 8.574 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

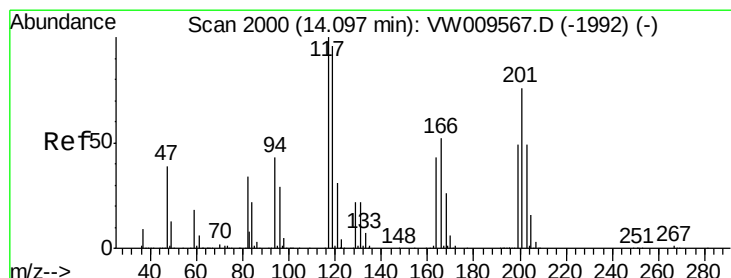
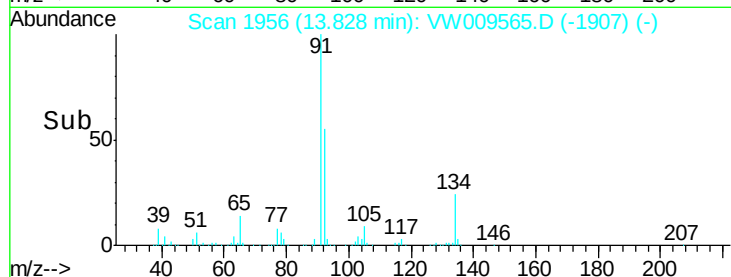
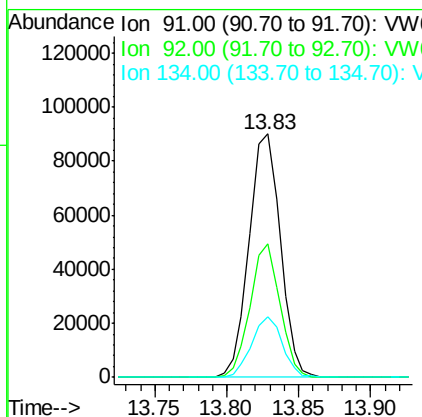
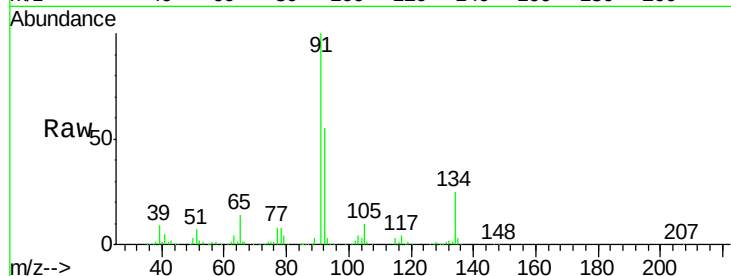
ClientSampleId :

VSTDIC010

Tot Ion:	91	Resp:	135819
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.0
134	24.4	12.9	38.6

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#90

Hexachloroethane

Concen: 9.104 ug/l

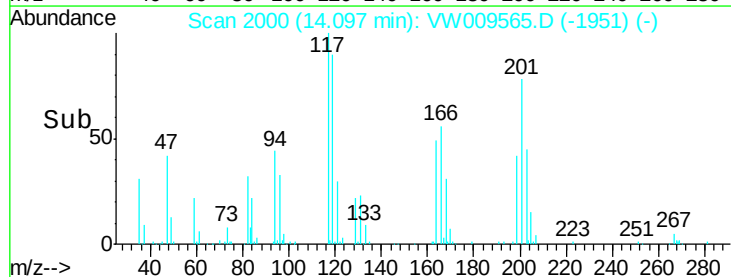
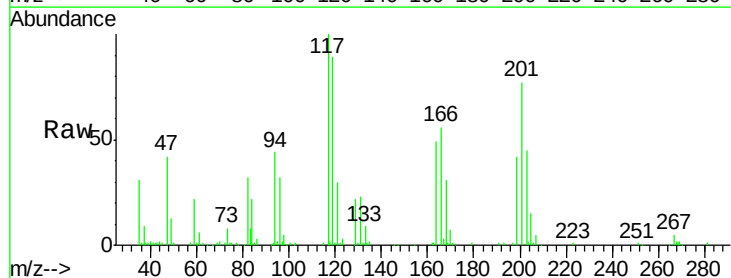
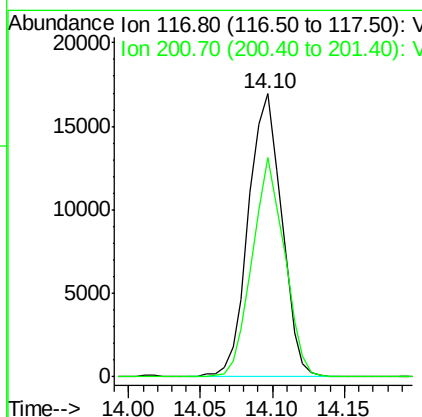
RT: 14.10 min Scan# 2000

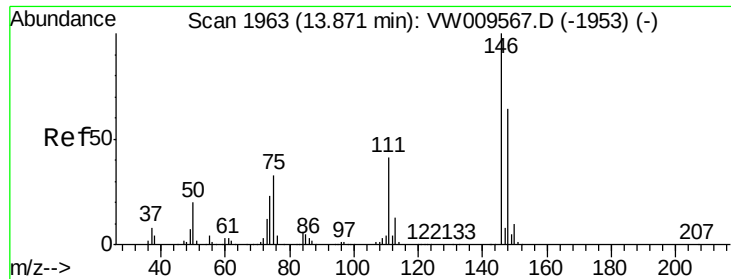
Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:	117	Resp:	27126
Ion	Ratio	Lower	Upper
117	100		
201	75.0	38.2	114.6





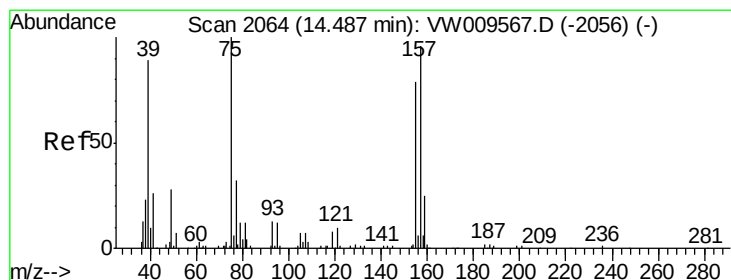
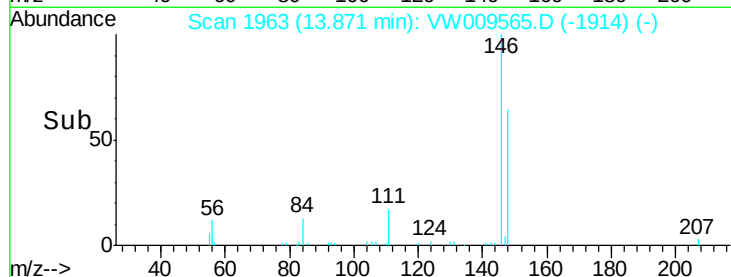
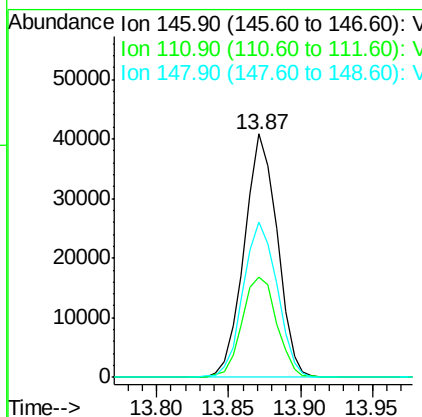
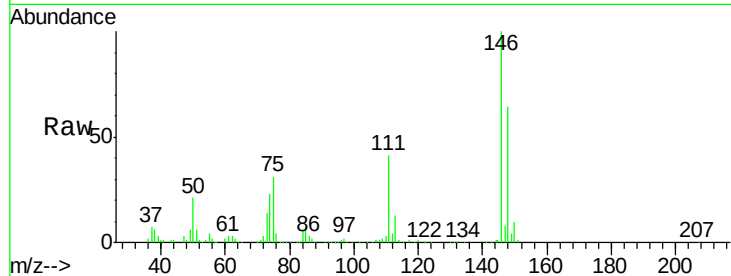
#91
 1,2-Dichlorobenzene
 Concen: 9.286 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.4	61.2
148	65.7	31.9	95.9

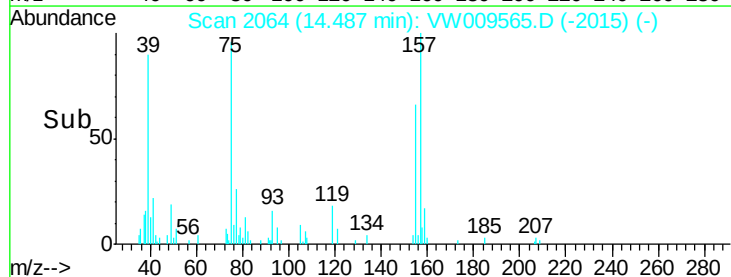
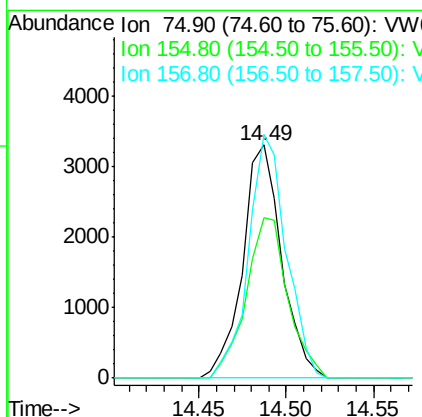
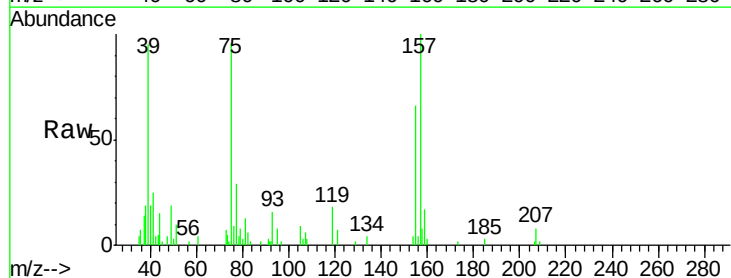
Manual Integrations
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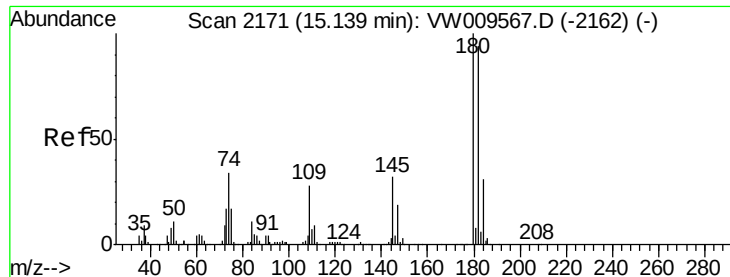
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.386 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	39.3	117.8
157	101.3	49.5	148.5





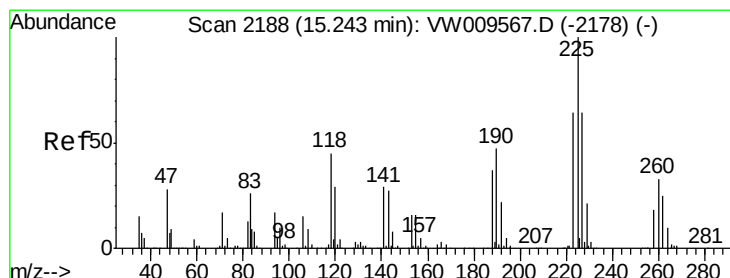
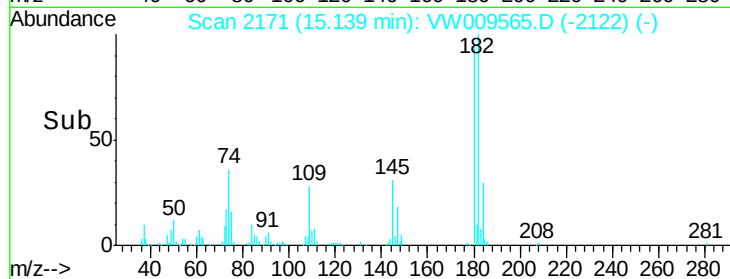
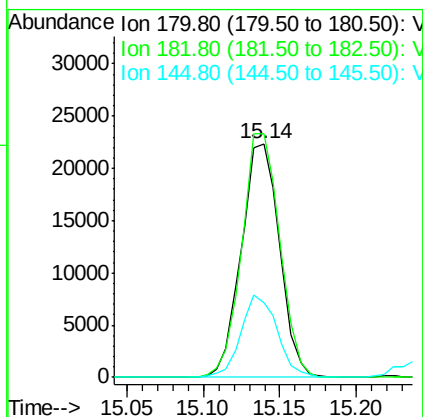
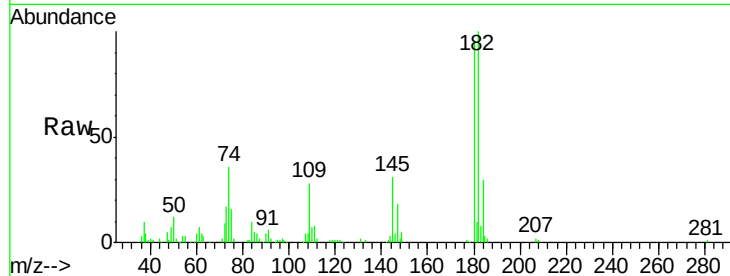
#93
 1,2,4-Trichlorobenzene
 Concen: 8.403 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	103.7	47.9	143.7	
145	33.4	15.0	45.0	

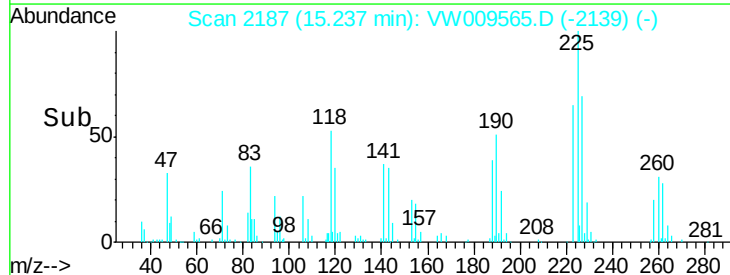
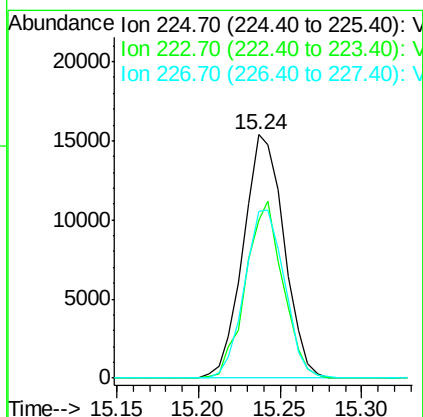
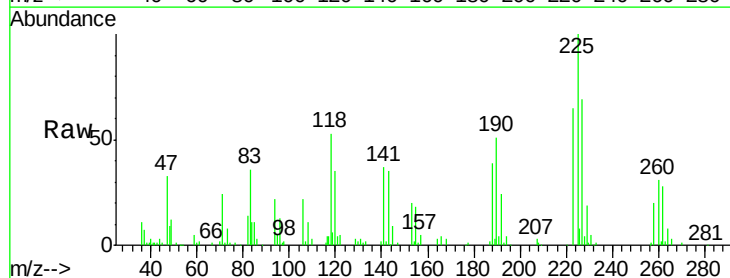
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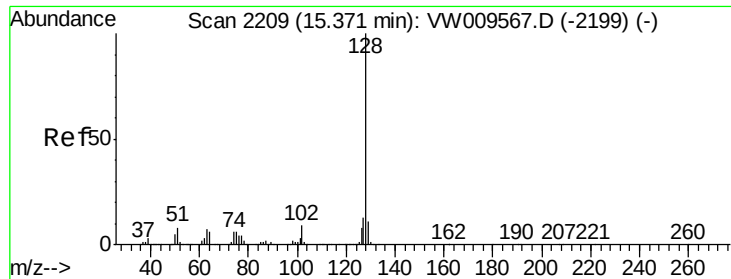
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#94
 Hexachlorobutadiene
 Concen: 9.308 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.2	31.4	94.3	
227	67.5	32.1	96.5	





#95

Naphthalene

Concen: 7.576 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

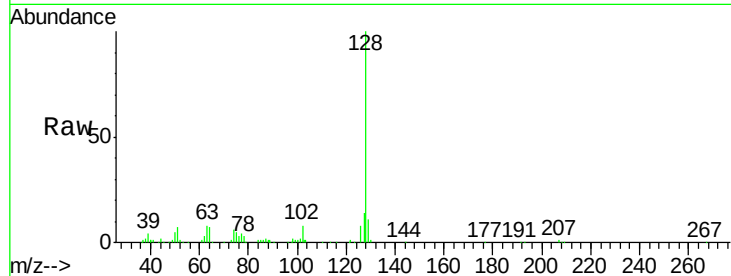
ClientSampleId :

VSTDIC010

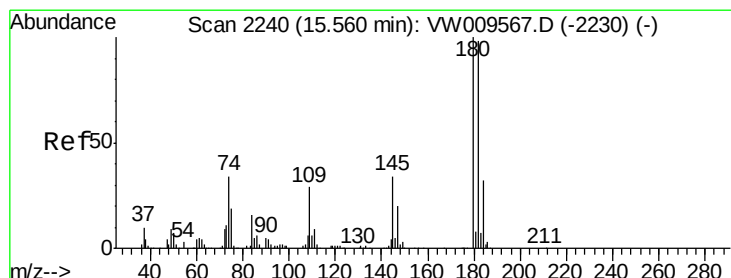
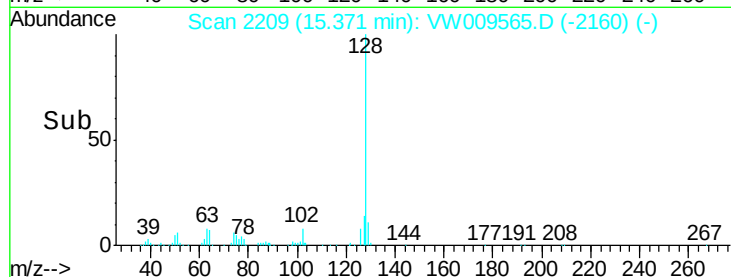
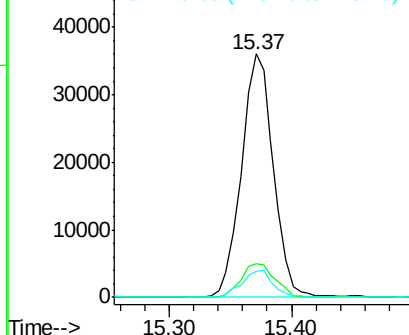
Tot Ion:	128	Resp:	65084
Ion Ratio	Lower	Upper	
128	100		
127	14.7	10.8	16.2
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:44 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 8.793 ug/l

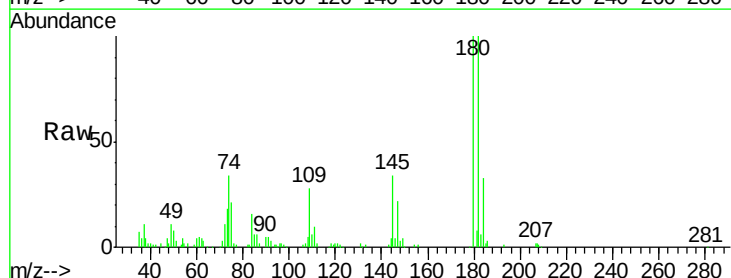
RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:	180	Resp:	35870
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.3	141.9
145	33.3	16.0	48.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

