

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009580.D
 Acq On : 29 Mar 2019 19:35
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:51 AM

Quant Time: Mar 30 05:25:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	488587	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	460295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	255353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	183511	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	151482	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.32	98	553025	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.62	95	217362	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	86562	45.960	ug/l	96
3) Chloromethane	2.21	50	122570	47.768	ug/l	97
4) Vinyl Chloride	2.37	62	157515	45.963	ug/l	100
5) Bromomethane	2.78	94	117420	44.411	ug/l	97
6) Chloroethane	2.92	64	114050	44.938	ug/l	97
7) Trichlorofluoromethane	3.25	101	95822	40.923	ug/l	97
8) Diethyl Ether	3.67	74	77452	49.262	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	139304	44.341	ug/l	98
10) Methyl Iodide	4.27	142	197787	46.140	ug/l	96
11) Tert butyl alcohol	5.17	59	59364	293.947	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	133092	45.269	ug/l	95
13) Acrolein	3.89	56	34296	231.534	ug/l	95
14) Allyl chloride	4.65	41	205216	43.641	ug/l	98
15) Acrylonitrile	5.36	53	192469	267.813	ug/l	99
16) Acetone	4.12	43	192423	245.708	ug/l	99
17) Carbon Disulfide	4.37	76	357205	42.700	ug/l	98
18) Methyl Acetate	4.67	43	113224	59.810	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	212174	51.889	ug/l	96
20) Methylene Chloride	4.92	84	155258	50.579	ug/l #	90
21) trans-1,2-Dichloroethene	5.41	96	147808	47.351	ug/l	91
22) Diisopropyl ether	6.31	45	523410	51.540	ug/l	98
23) Vinyl Acetate	6.25	43	1759957	277.799	ug/l	100
24) 1,1-Dichloroethane	6.21	63	297305	48.640	ug/l	99
25) 2-Butanone	7.17	43	309052	285.577	ug/l	95
26) 2,2-Dichloropropane	7.16	77	157194	44.981	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	171359	50.267	ug/l	97
28) Bromochloromethane	7.51	49	145355	54.879	ug/l	95
29) Tetrahydrofuran	7.53	42	199655	297.114	ug/l	99
30) Chloroform	7.67	83	315469	49.832	ug/l	98
31) Cyclohexane	7.95	56	248224	43.317	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	237154	46.273	ug/l	97
36) 1,1-Dichloropropene	8.07	75	232467	46.000	ug/l	99
37) Ethyl Acetate	7.25	43	134978	56.219	ug/l	100
38) Carbon Tetrachloride	8.06	117	233674	45.126	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	263664	45.675	ug/l	98
40) Benzene	8.32	78	647842	47.328	ug/l	100
41) Methacrylonitrile	7.48	41	72500	46.653	ug/l	98
42) 1,2-Dichloroethane	8.40	62	236221	50.619	ug/l	97
43) Isopropyl Acetate	8.42	43	259140	55.074	ug/l	99
44) Trichloroethene	9.09	130	166986	47.121	ug/l	96
45) 1,2-Dichloropropane	9.37	63	170969	48.797	ug/l	96
46) Dibromomethane	9.45	93	97369	51.300	ug/l	97
47) Bromodichloromethane	9.64	83	243168	50.225	ug/l	100
48) Methyl methacrylate	9.43	41	126463	57.335	ug/l	97
49) 1,4-Dioxane	9.45	88	33468	1184.059	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	724225	287.674	ug/l	100
52) Toluene	10.38	92	418180	48.783	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	245744	51.837	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	266206	50.645	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	133497	52.034	ug/l	94
56) Ethyl methacrylate	10.65	69	179107	50.376	ug/l	96
57) 1,3-Dichloropropane	10.93	76	236574	52.021	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	422121	246.783	ug/l	97
59) 2-Hexanone	10.97	43	510038	292.738	ug/l	99
60) Dibromochloromethane	11.13	129	161292	52.066	ug/l	98
61) 1,2-Dibromoethane	11.23	107	128885	52.387	ug/l	100
64) Tetrachloroethene	10.86	164	144975	46.388	ug/l	94
65) Chlorobenzene	11.66	112	464659	47.931	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	170891	48.381	ug/l	98
67) Ethyl Benzene	11.73	91	829398	48.560	ug/l	100
68) m/p-Xylenes	11.84	106	636936	98.212	ug/l	99
69) o-Xylene	12.16	106	300664	49.783	ug/l	98
70) Styrene	12.18	104	510367	50.592	ug/l	99
71) Bromoform	12.35	173	102716	54.036	ug/l #	100
73) Isopropylbenzene	12.46	105	851449	47.914	ug/l	100
74) N-amyl acetate	12.27	43	260141	55.529	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	177418	52.793	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	127266m	52.999	ug/l	
77) Bromobenzene	12.75	156	196992	48.137	ug/l	96
78) n-propylbenzene	12.80	91	1047277	47.792	ug/l	100
79) 2-Chlorotoluene	12.90	91	602306	48.365	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	729941	48.775	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	54170	52.459	ug/l	95
82) 4-Chlorotoluene	12.99	91	635056	48.455	ug/l	99
83) tert-Butylbenzene	13.21	119	631448	49.565	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	765065	49.728	ug/l	98
85) sec-Butylbenzene	13.38	105	924846	48.119	ug/l	99
86) p-Isopropyltoluene	13.50	119	818928	48.987	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	406739	48.137	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	407890	48.330	ug/l	99
89) n-Butylbenzene	13.83	91	797817	48.350	ug/l	99
90) Hexachloroethane	14.10	117	155347	48.527	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	374753	49.598	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	33526	54.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	249946	51.367	ug/l	99
94) Hexachlorobutadiene	15.24	225	144015	46.086	ug/l	98
95) Naphthalene	15.37	128	507202	51.216	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	228444	52.547	ug/l	100

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

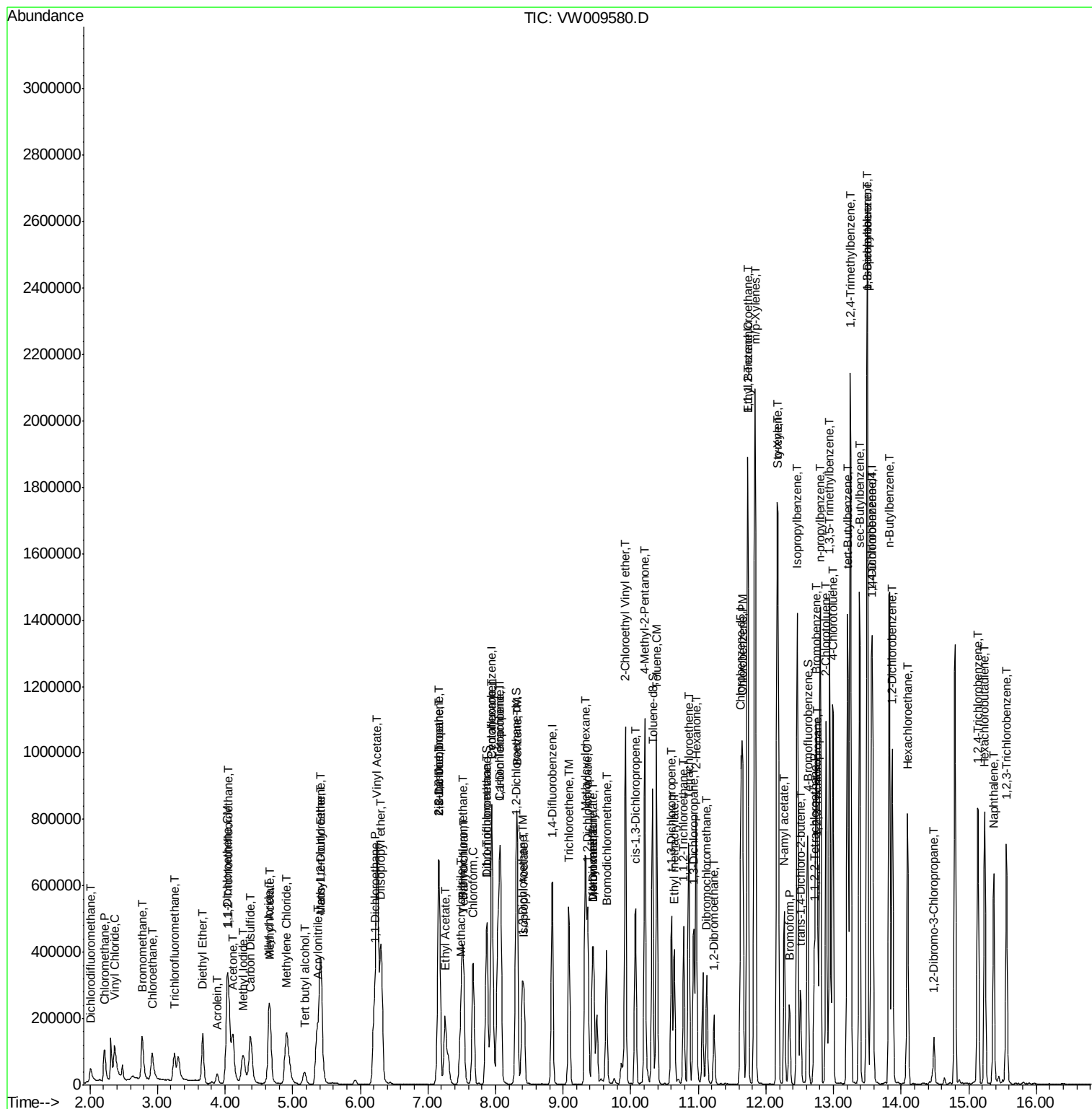
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032919\
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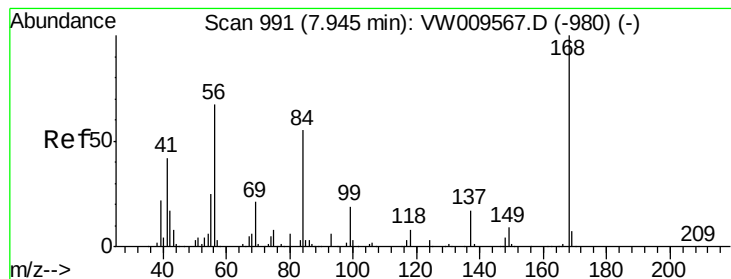
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 304596

Ion Ratio Lower Upper

168 100

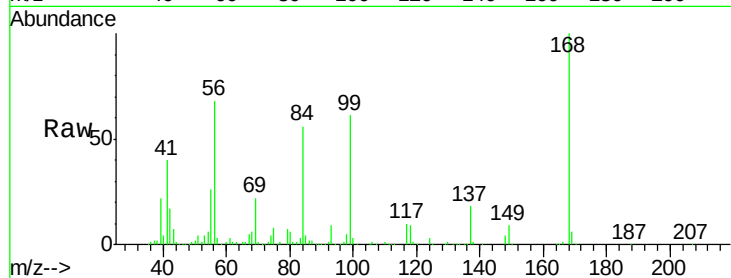
99 61.1 45.4 68.0

Manual Integrations

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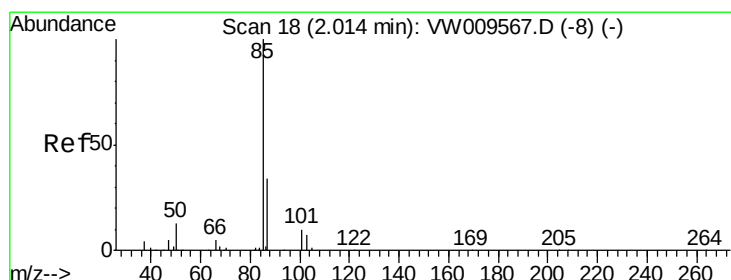
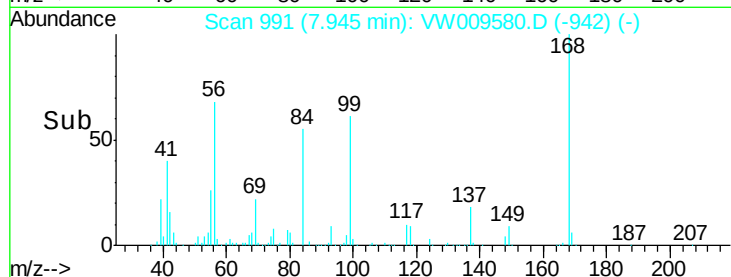
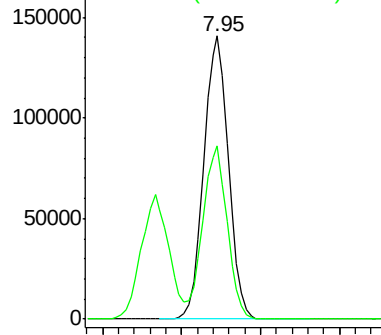
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.960 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009580.D

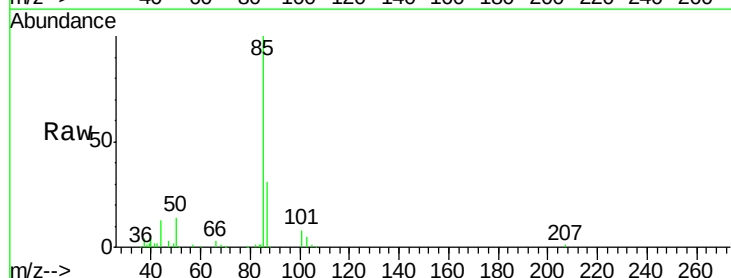
Acq: 29 Mar 2019 19:35

Tgt Ion: 85 Resp: 86562

Ion Ratio Lower Upper

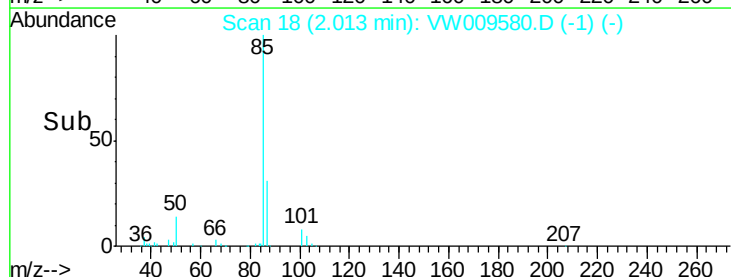
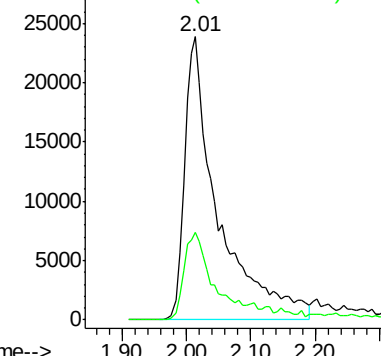
85 100

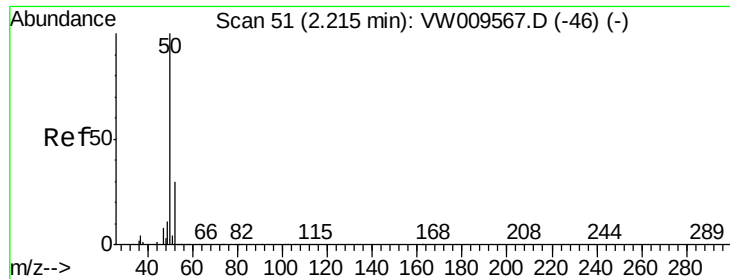
87 30.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.768 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 122570

Ion Ratio Lower Upper

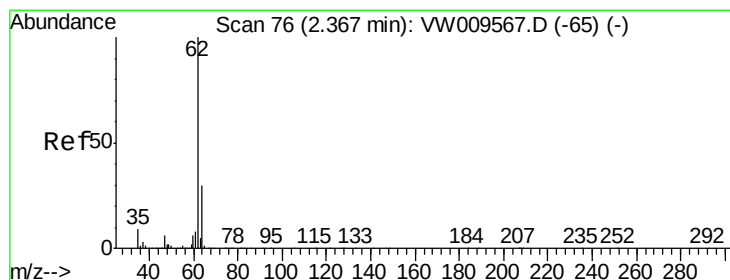
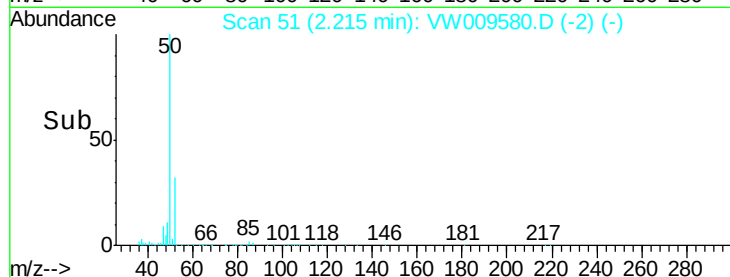
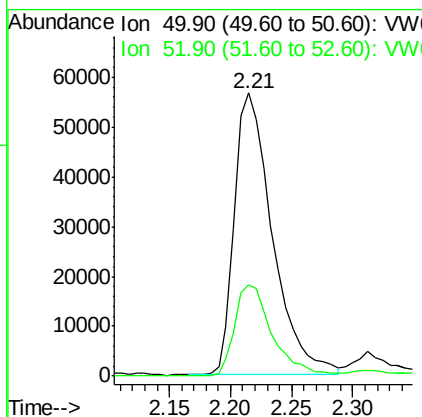
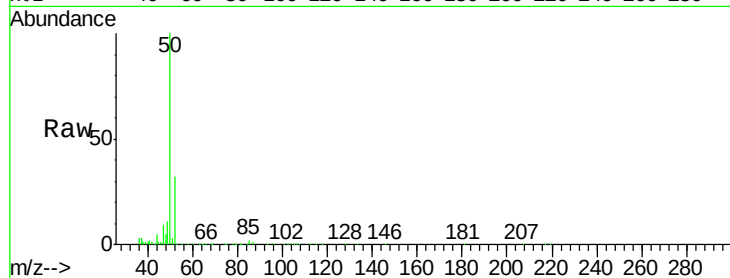
50 100

52 32.4 27.2 40.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.963 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009580.D

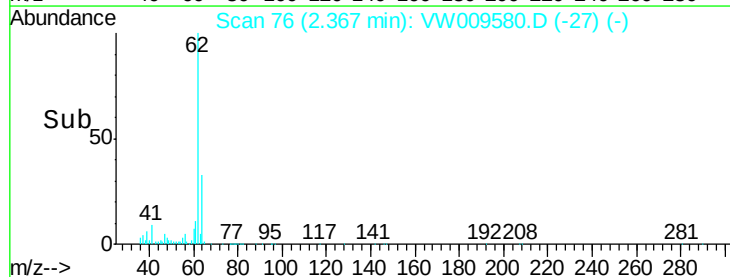
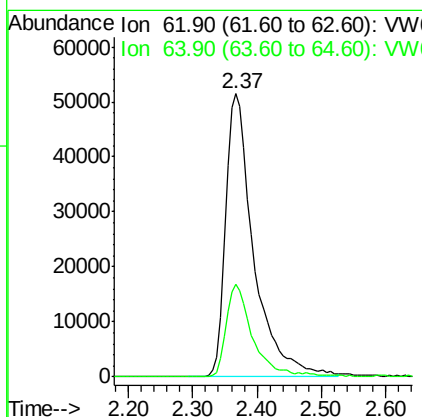
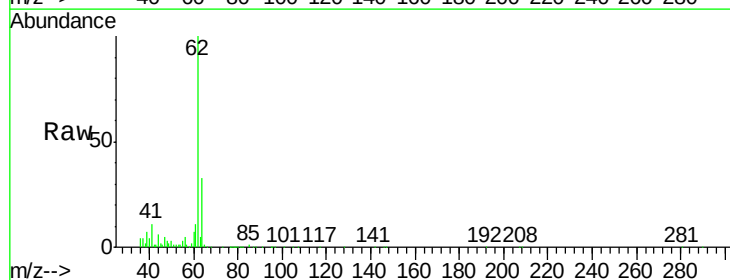
Acq: 29 Mar 2019 19:35

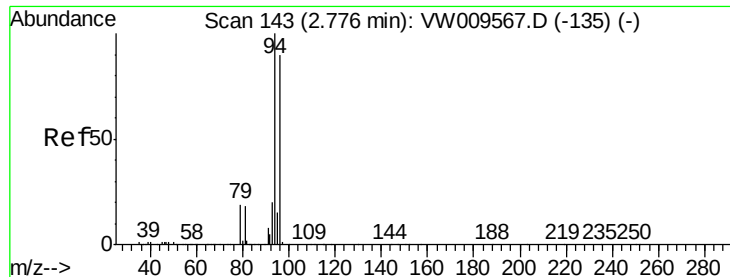
Tgt Ion: 62 Resp: 157515

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.2





#5

Bromomethane

Concen: 44.411 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 117420

Ion Ratio Lower Upper

94 100

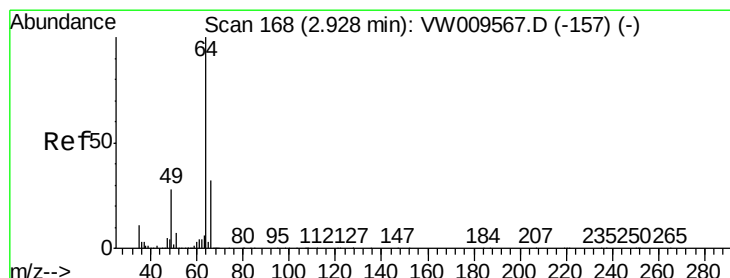
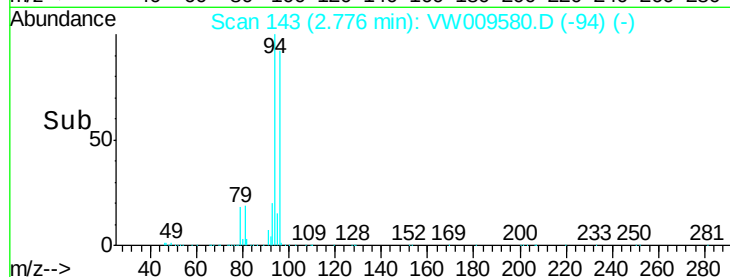
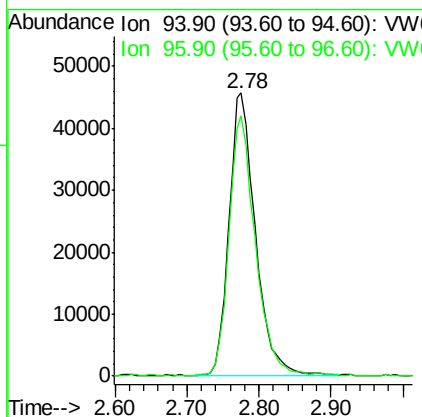
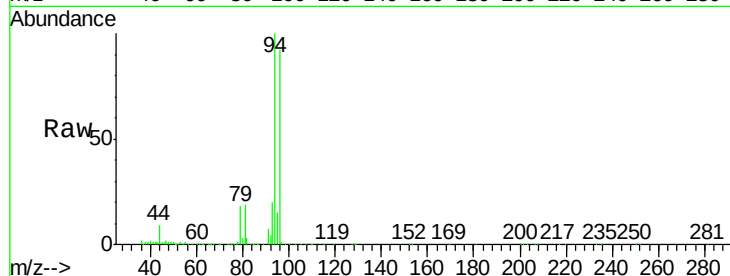
96 92.0 71.4 107.2

Manual Integrations

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#6

Chloroethane

Concen: 44.938 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009580.D

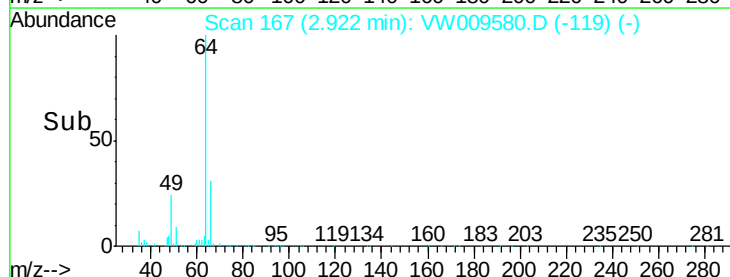
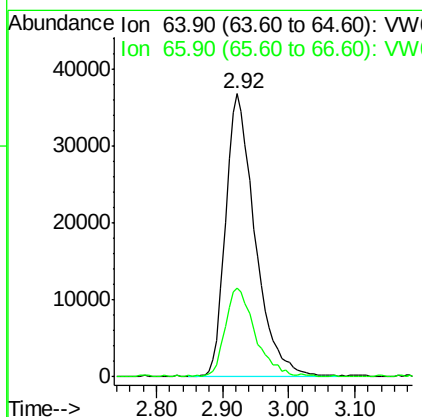
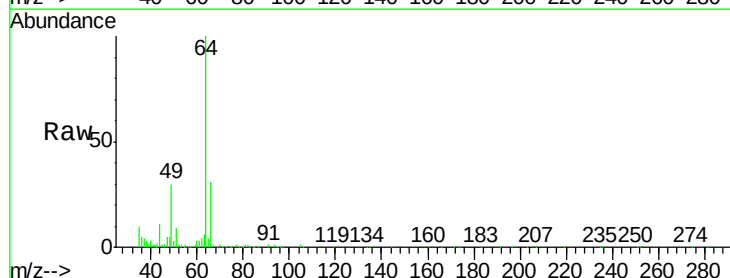
Acq: 29 Mar 2019 19:35

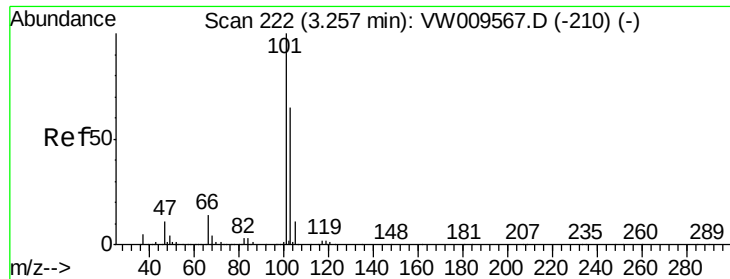
Tgt Ion: 64 Resp: 114050

Ion Ratio Lower Upper

64 100

66 31.1 26.2 39.2





#7

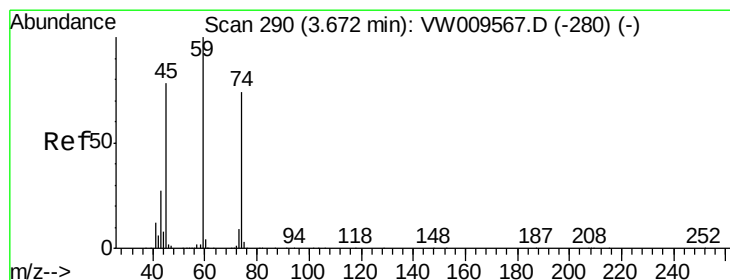
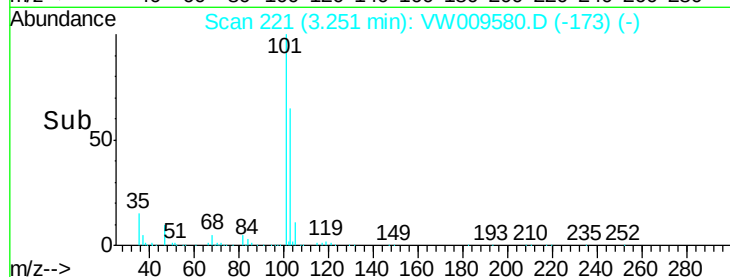
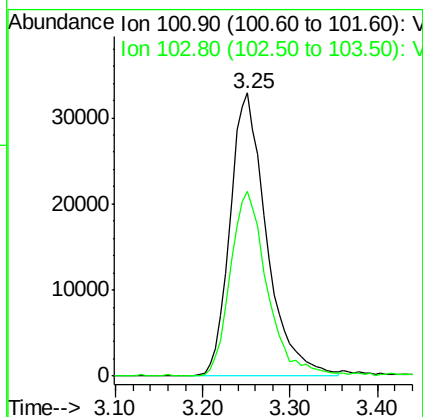
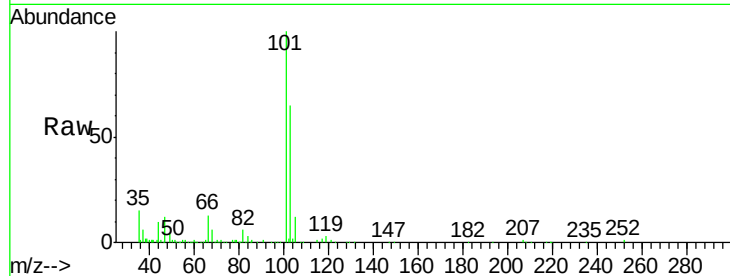
Trichlorofluoromethane
 Concen: 40.923 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.5	75.7

Manual Integrations
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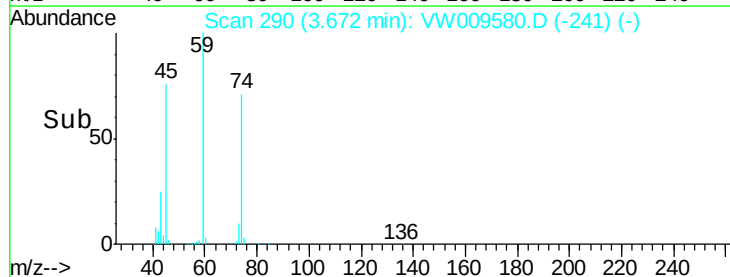
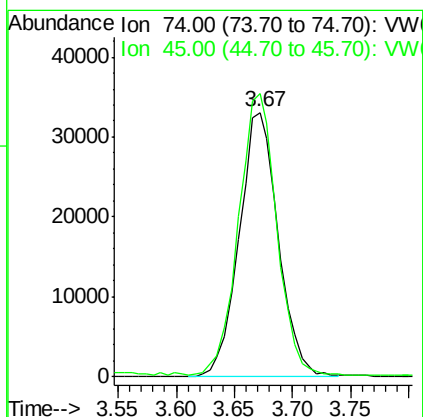
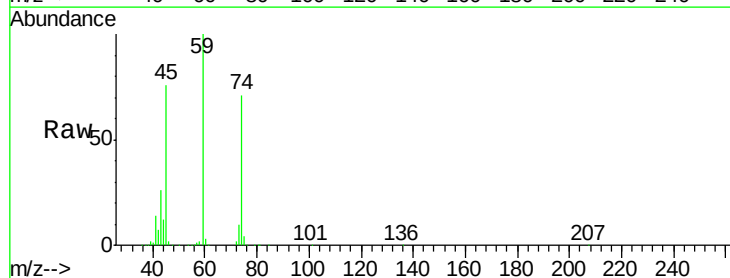
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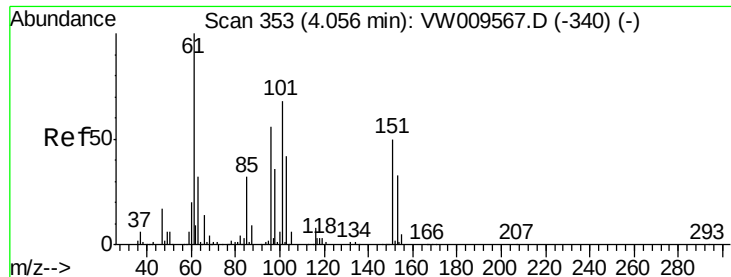


#8

Diethyl Ether
 Concen: 49.262 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.341 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

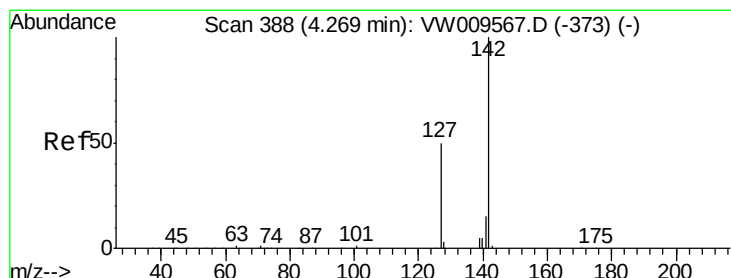
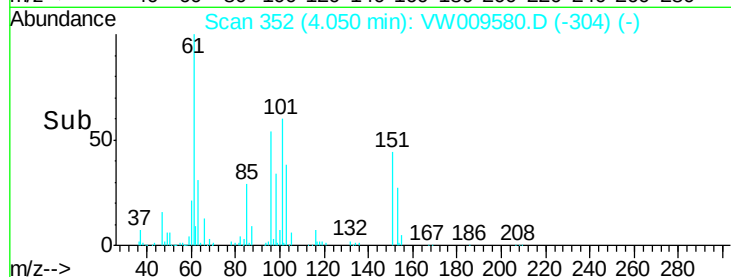
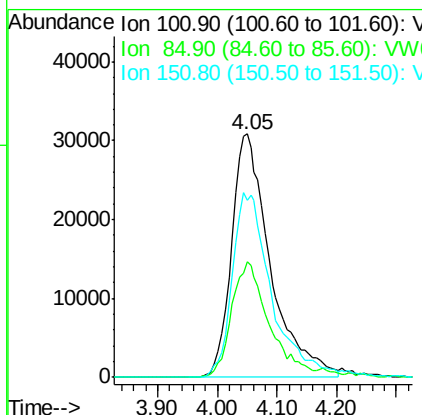
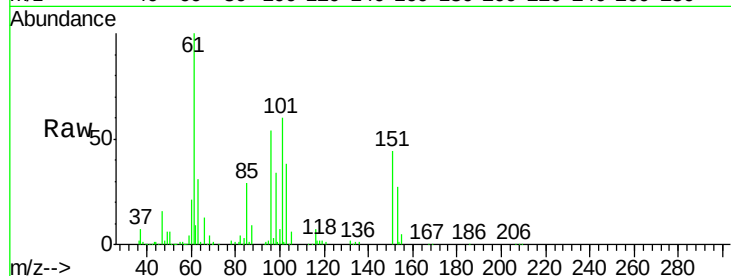
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	139304
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.1	52.7
151	78.1	62.9	94.3

Manual Integrations
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#10

Methyl Iodide

Concen: 46.140 ug/l

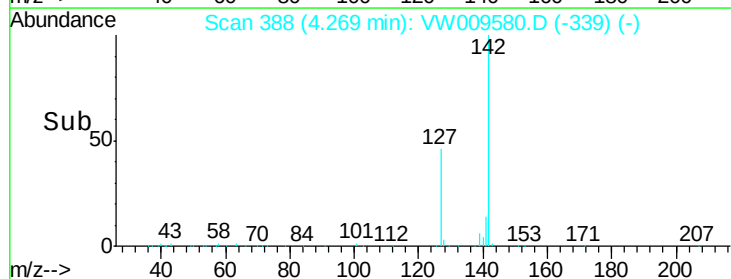
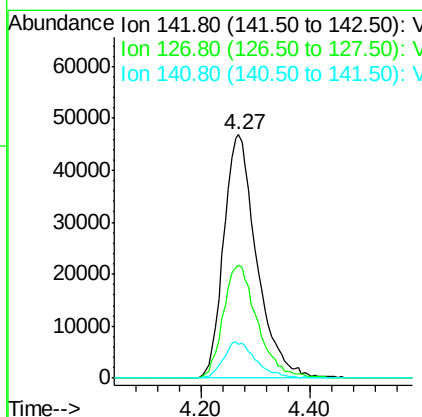
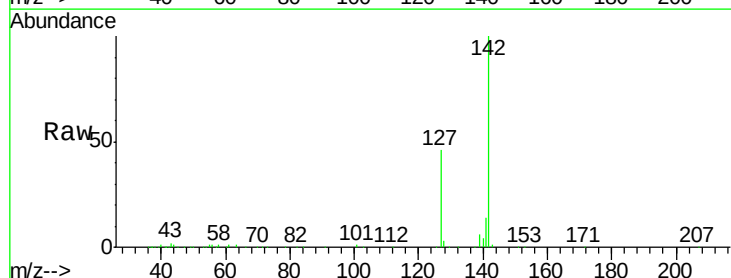
RT: 4.27 min Scan# 388

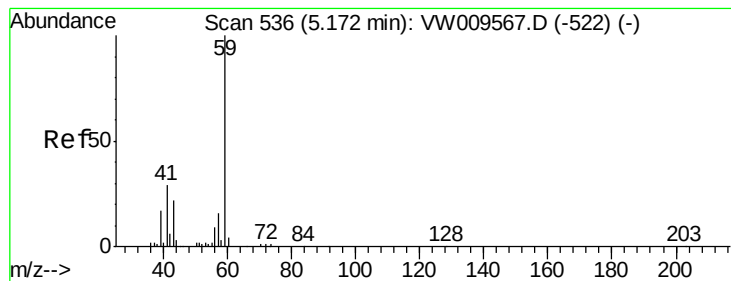
Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion:	142	Resp:	197787
Ion Ratio	Lower	Upper	
142	100		
127	48.2	35.9	53.9
141	14.7	11.4	17.2





#11

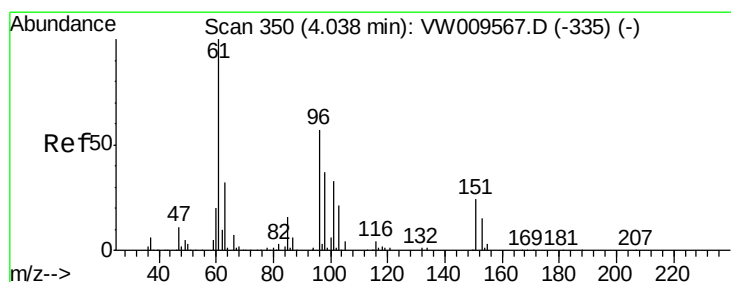
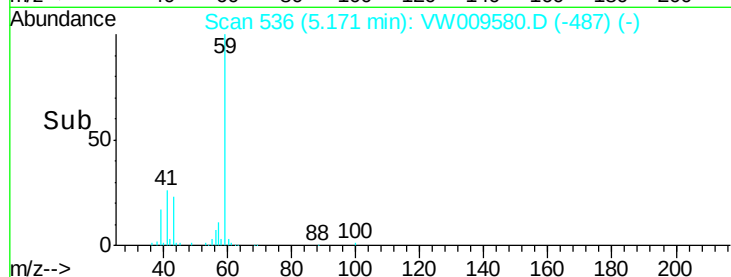
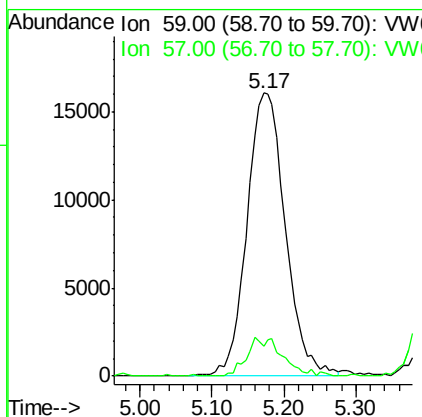
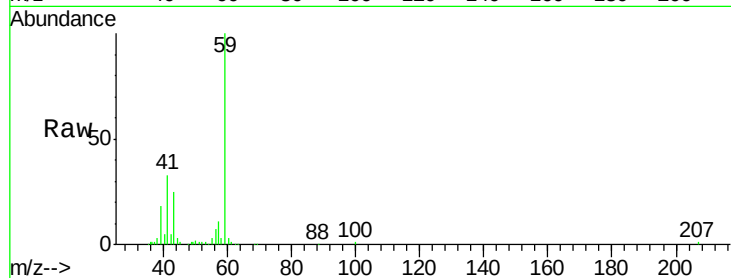
Tert butyl alcohol
 Concen: 293.947 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	9.4	14.0#

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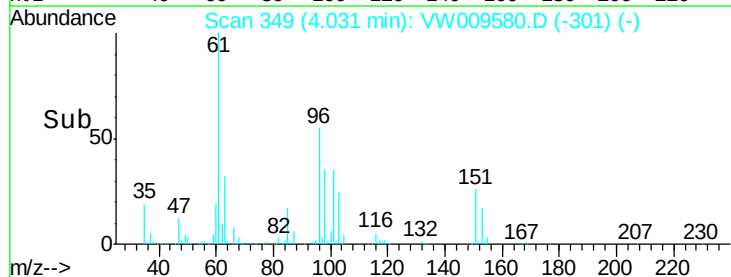
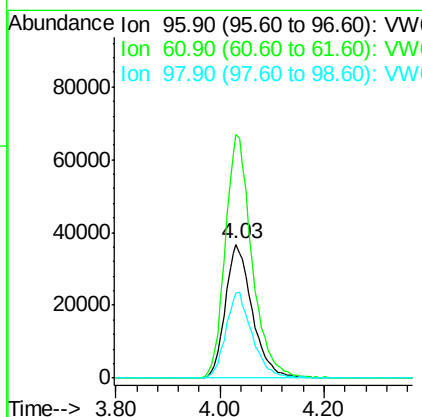
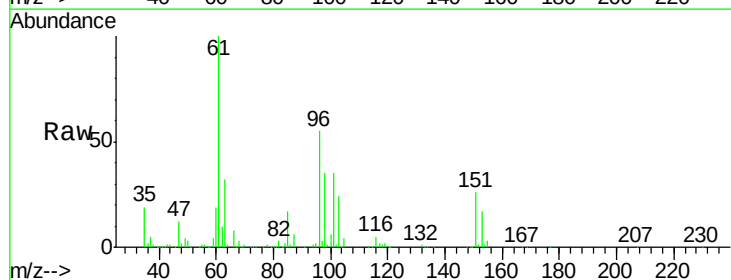
MMDadoda
 4/1/2019 4:04:51 AM

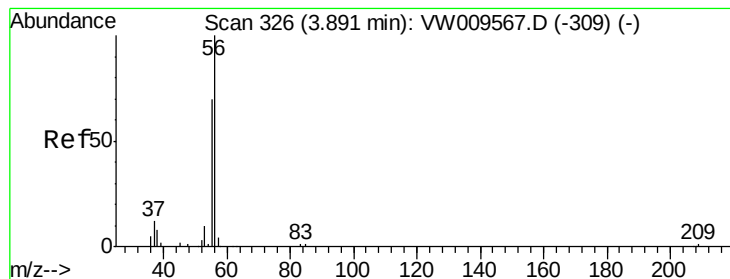


#12

1,1-Dichloroethene
 Concen: 45.269 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.7	138.0	207.0
98	63.4	49.8	74.8





#13

Acrolein

Concen: 231.534 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34296

Ion Ratio Lower Upper

56 100

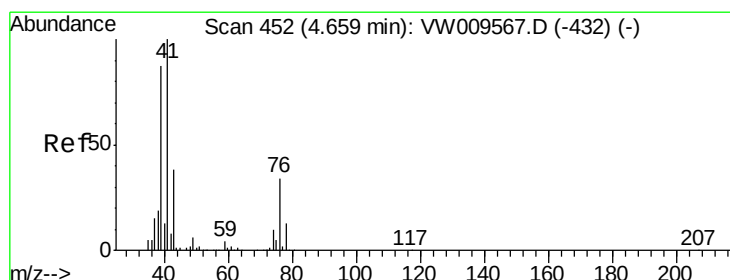
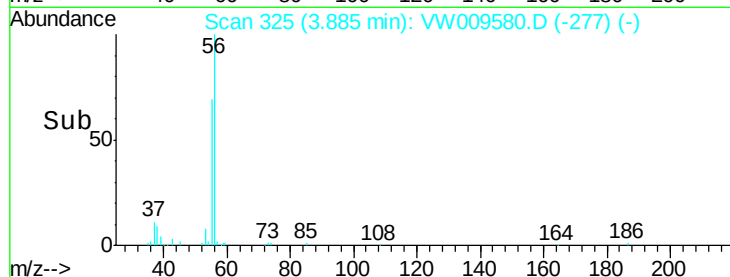
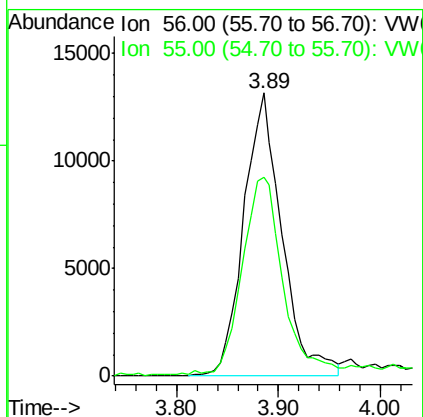
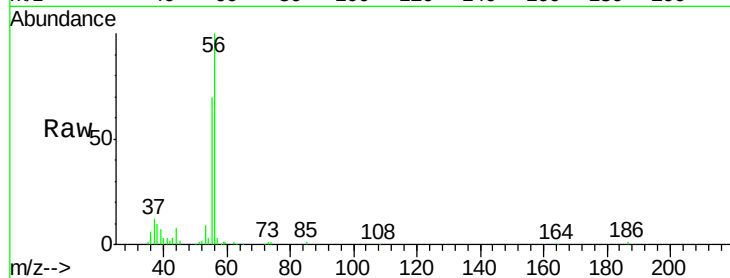
55 72.7 55.2 82.8

Manual Integrations

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#14

Allyl chloride

Concen: 43.641 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

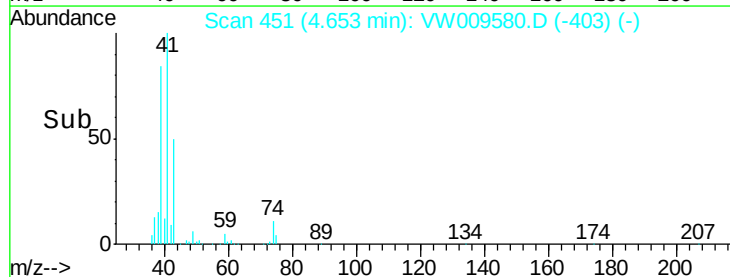
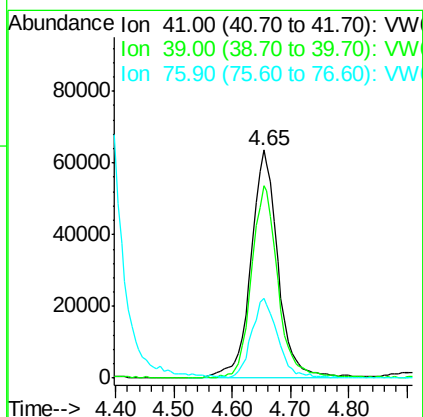
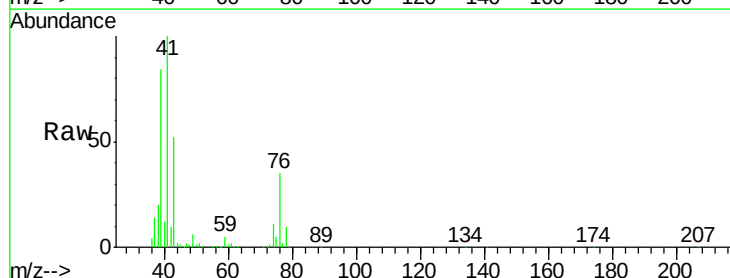
Tgt Ion: 41 Resp: 205216

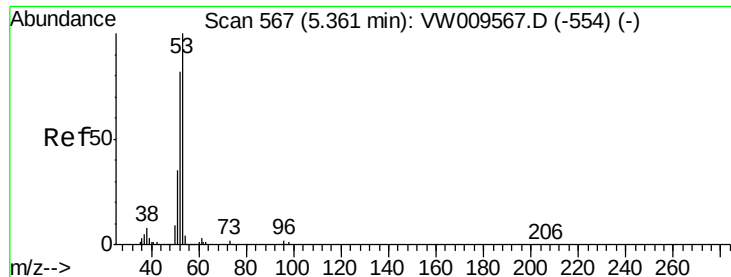
Ion Ratio Lower Upper

41 100

39 81.2 63.8 95.6

76 33.8 27.8 41.6





#15

Acrylonitrile

Concen: 267.813 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

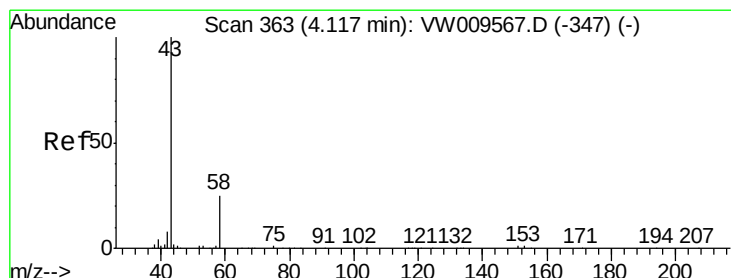
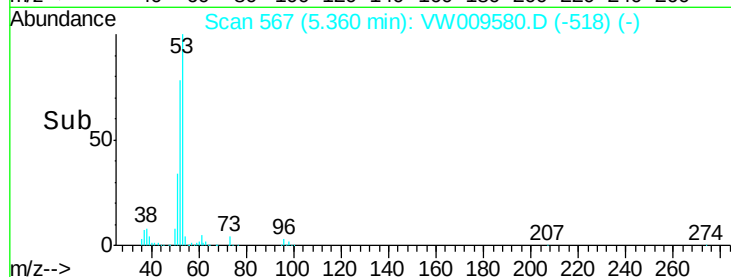
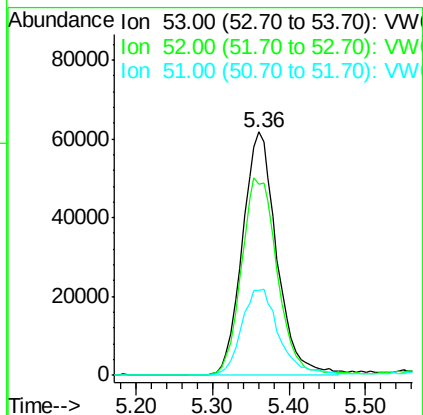
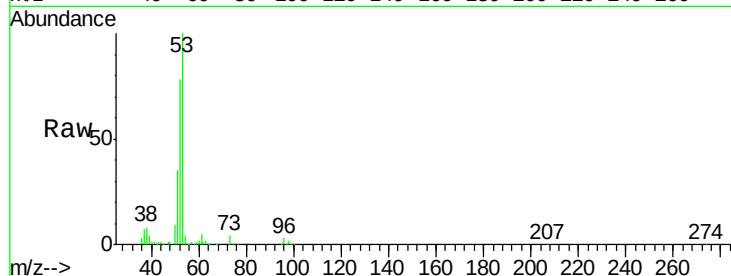
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	192469
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.6	101.4
51	39.0	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 245.708 ug/l

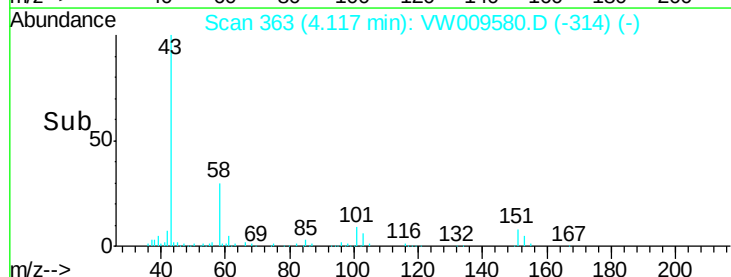
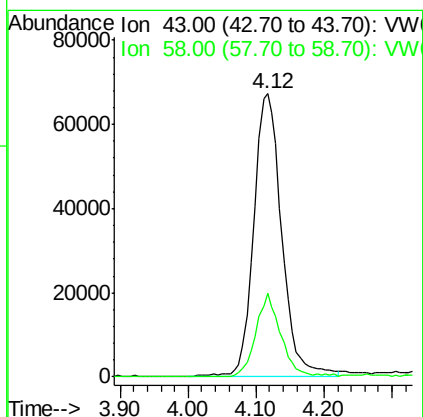
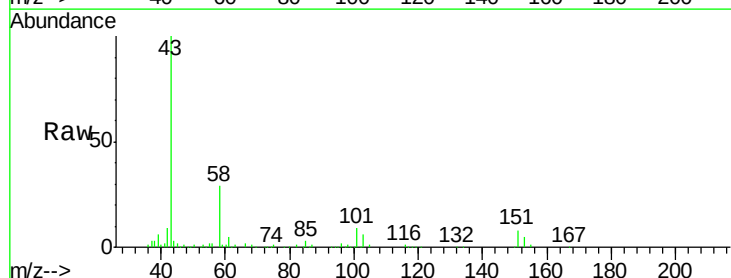
RT: 4.12 min Scan# 363

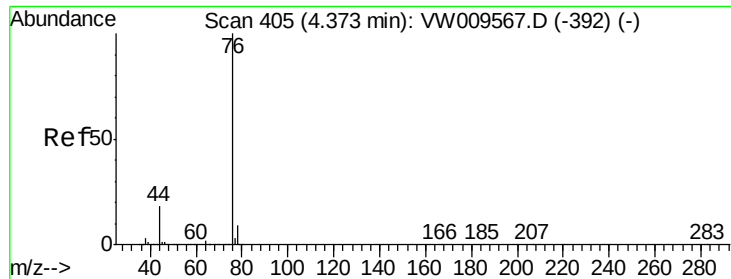
Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion:	43	Resp:	192423
Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.6	35.4





#17

Carbon Disulfide

Concen: 42.700 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 357205

Ion Ratio Lower Upper

76 100

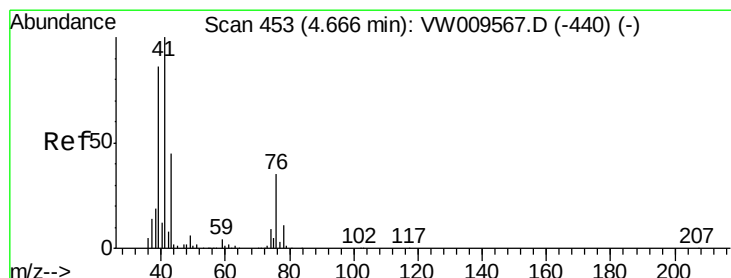
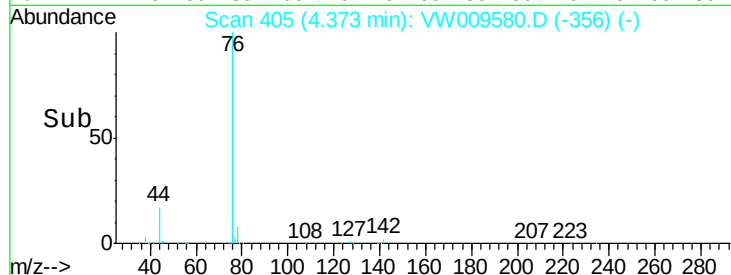
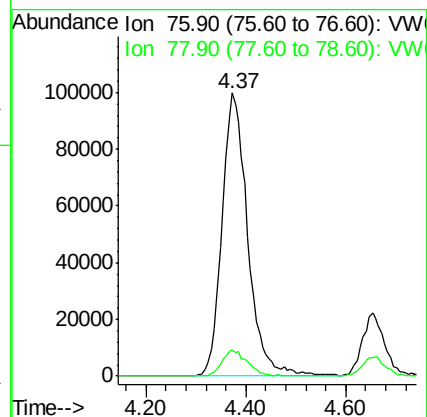
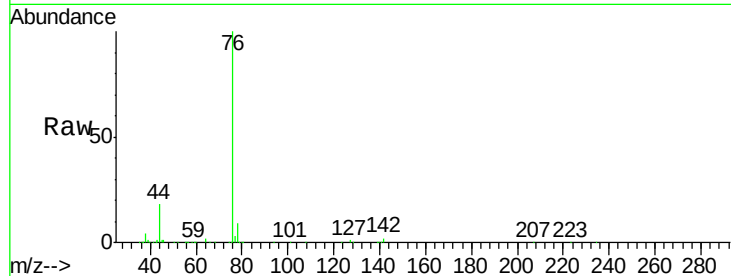
78 9.0 6.6 9.8

Manual Integrations

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#18

Methyl Acetate

Concen: 59.810 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009580.D

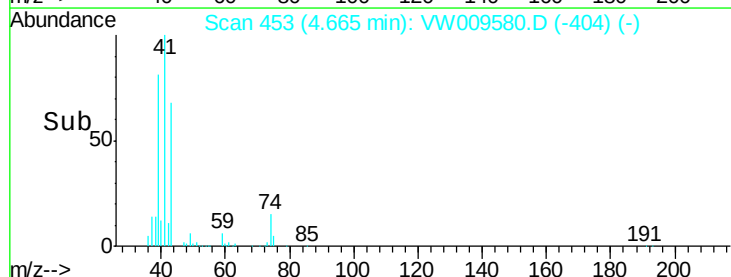
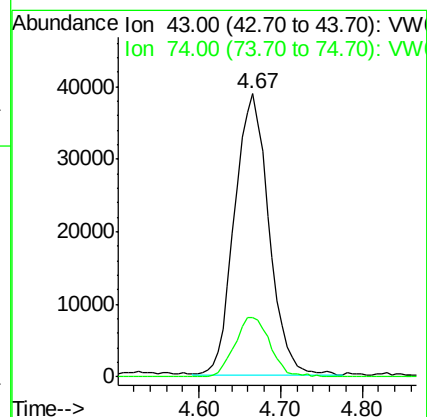
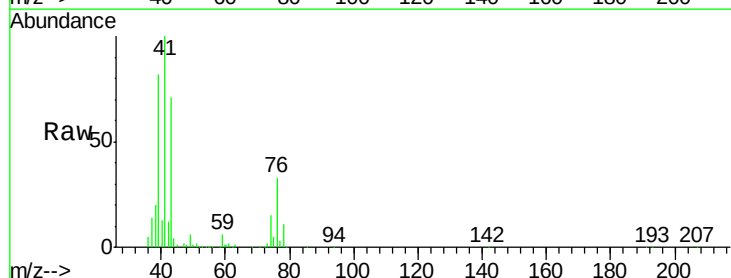
Acq: 29 Mar 2019 19:35

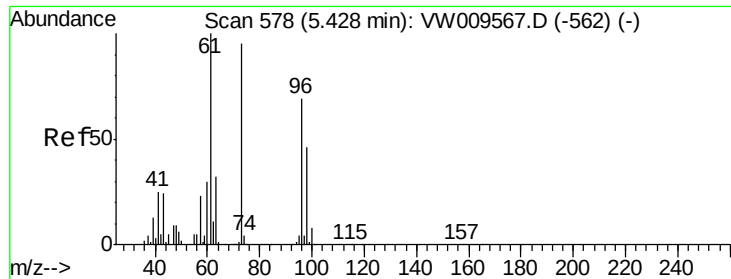
Tgt Ion: 43 Resp: 113224

Ion Ratio Lower Upper

43 100

74 21.8 17.7 26.5





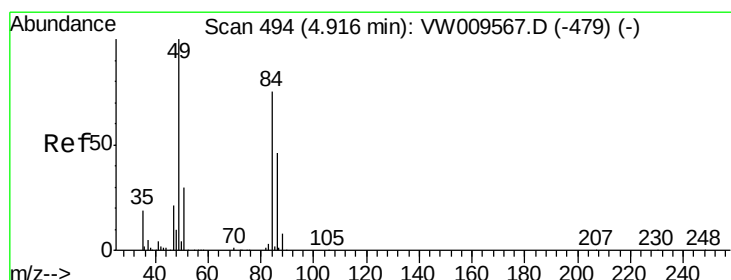
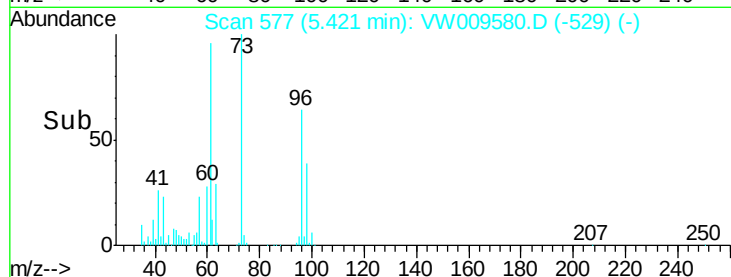
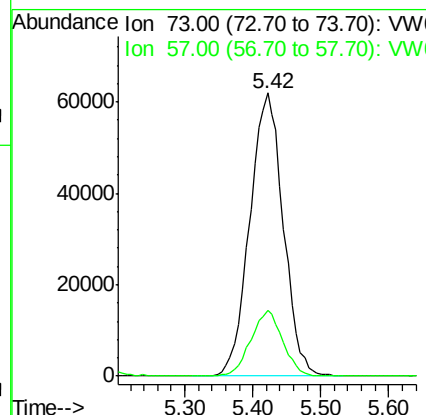
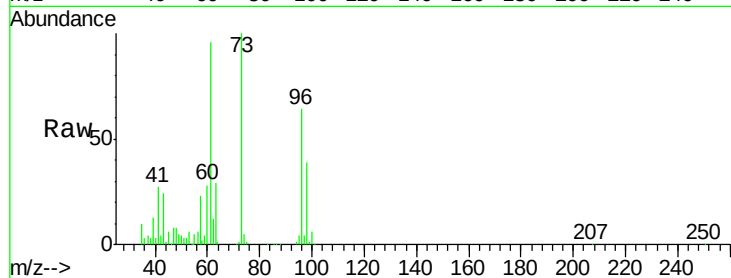
#19
Methyl tert-butyl Ether
Concen: 51.889 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 212174
Ion Ratio Lower Upper
73 100
57 23.1 17.0 25.6

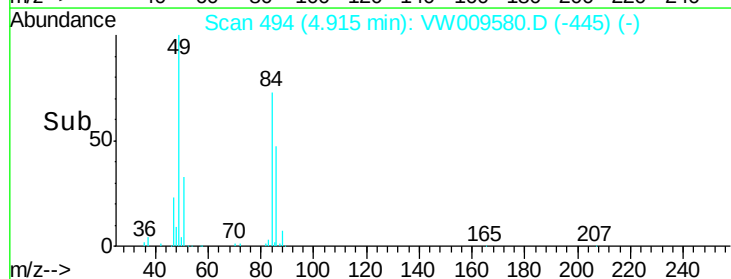
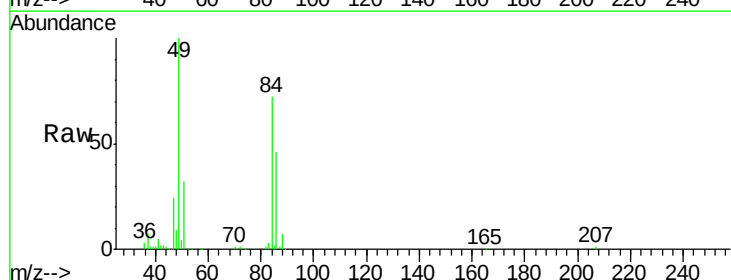
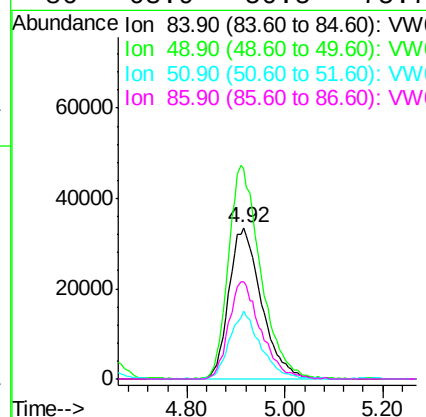
Manual Integrations
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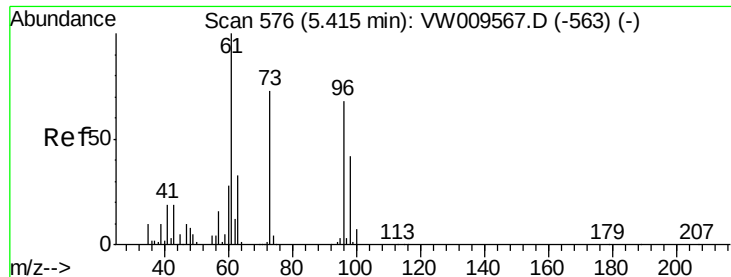
MMDadoda
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#20
Methylene Chloride
Concen: 50.579 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion: 84 Resp: 155258
Ion Ratio Lower Upper
84 100
49 138.1 99.1 148.7
51 44.3 28.7 43.1#
86 63.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 47.351 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 147808

Ion Ratio Lower Upper

96 100

61 149.2 108.2 162.4

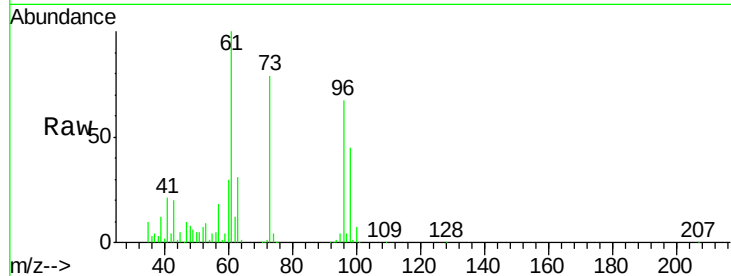
98 66.4 50.9 76.3

Manual Integrations

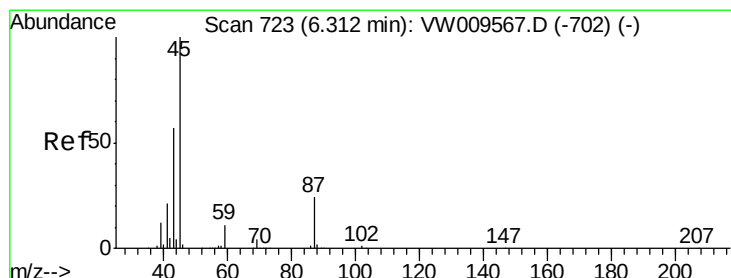
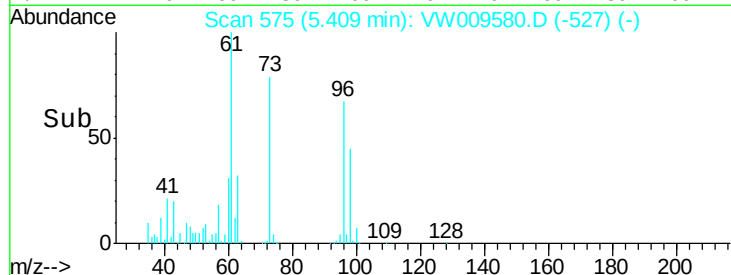
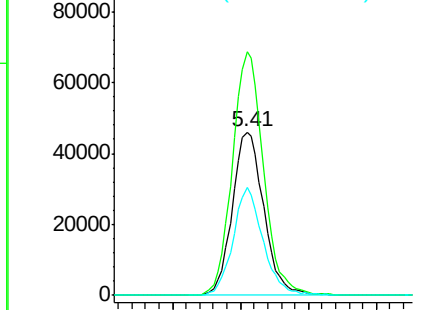
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.540 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion: 45 Resp: 523410

Ion Ratio Lower Upper

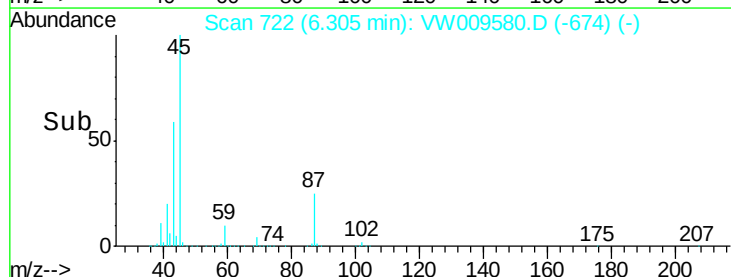
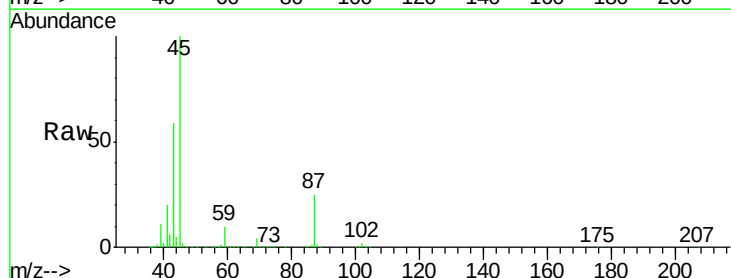
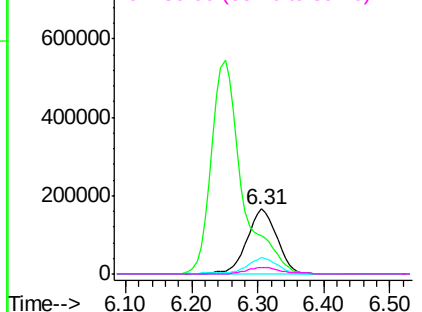
45 100

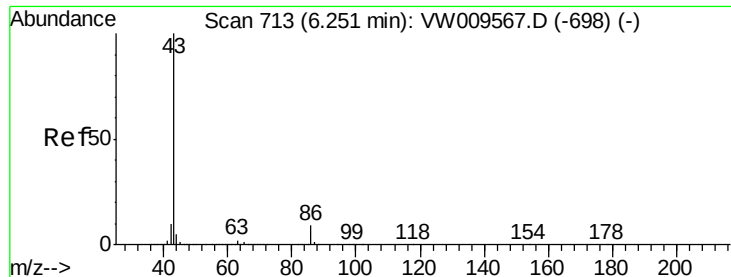
43 58.8 47.9 71.9

87 24.8 20.6 30.8

59 10.1 9.0 13.4

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 277.799 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tot Ion: 43 Resp: 1759957

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5

Instrument :

MSVOA_W

ClientSampleId :

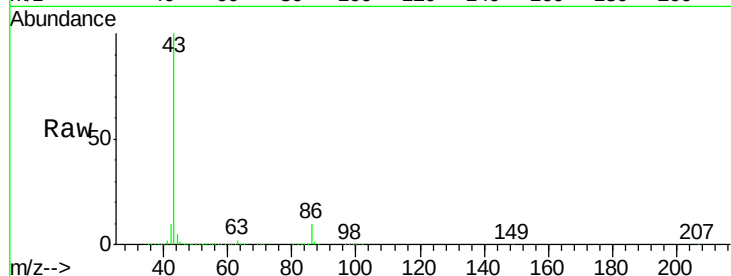
VSTDCCC050EC

Manual Integrations

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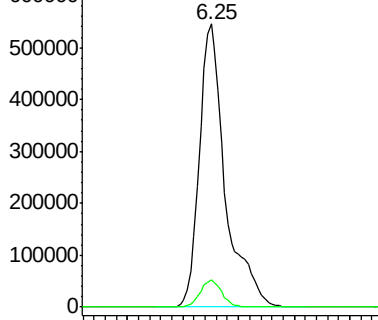
MMDadoda

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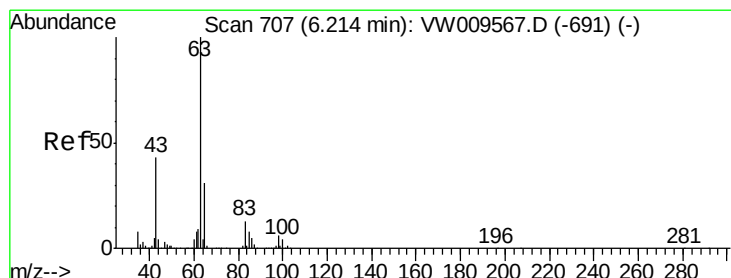
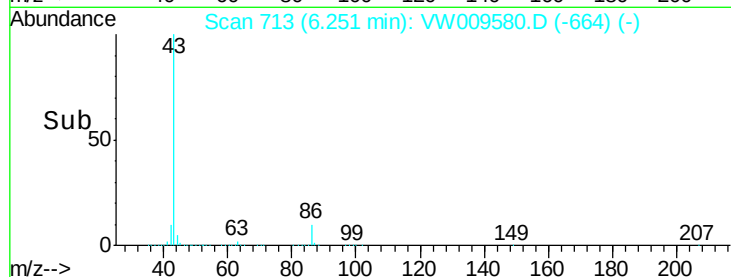


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 48.640 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

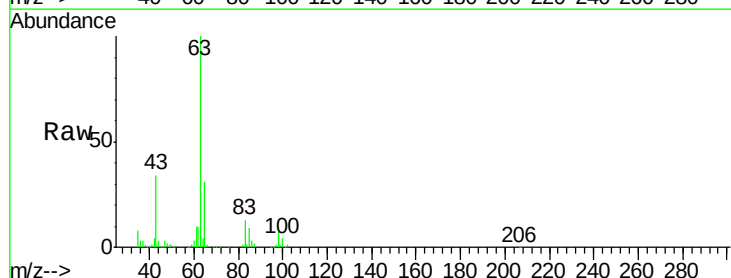
Tgt Ion: 63 Resp: 297305

Ion Ratio Lower Upper

63 100

98 6.8 3.7 11.1

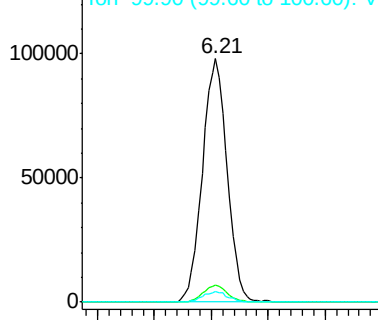
100 4.3 2.4 7.1



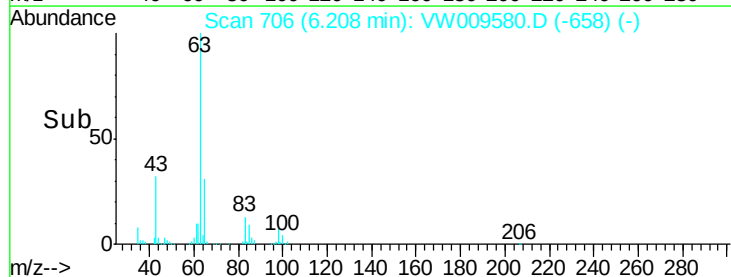
Abundance Ion 62.90 (62.60 to 63.60): VW

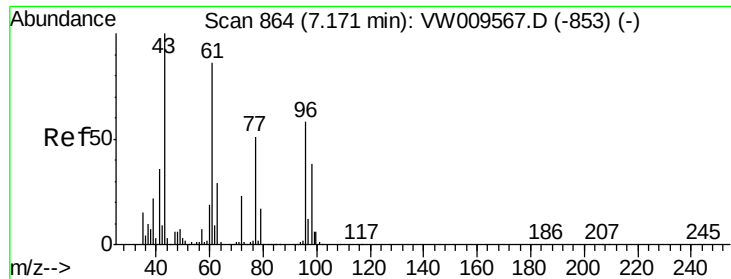
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 285.577 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 309052

Ion Ratio Lower Upper

43 100

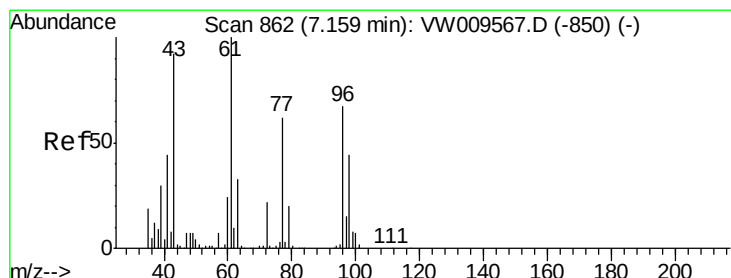
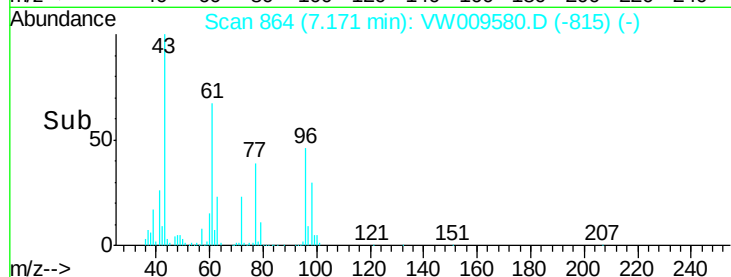
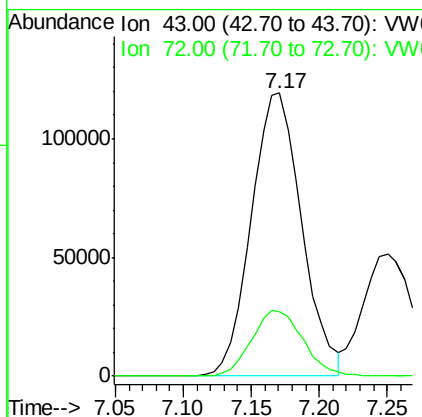
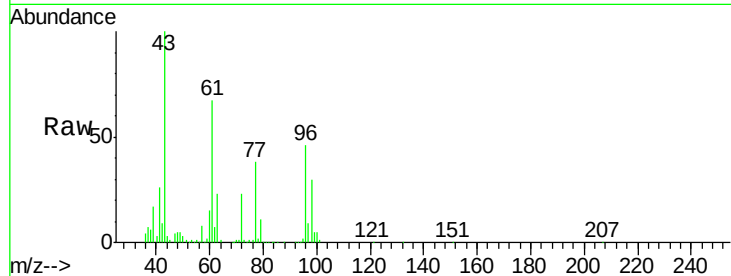
72 22.6 20.0 30.0

Manual Integrations

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4/1/2019 4:04:51 AM



#26

2,2-Dichloropropane

Concen: 44.981 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW009580.D

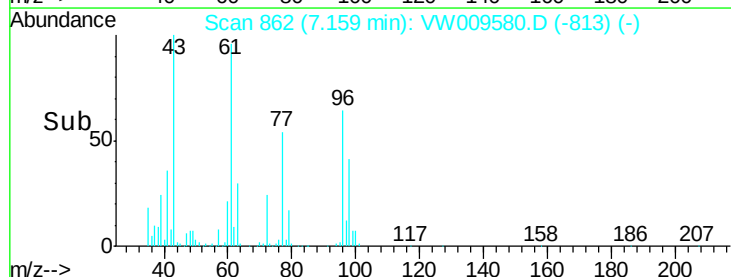
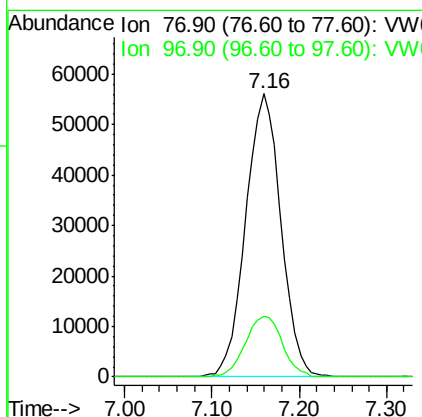
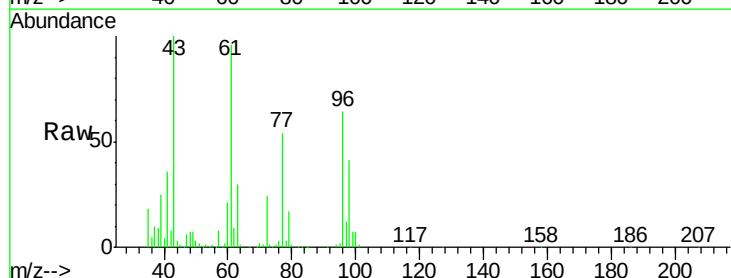
Acq: 29 Mar 2019 19:35

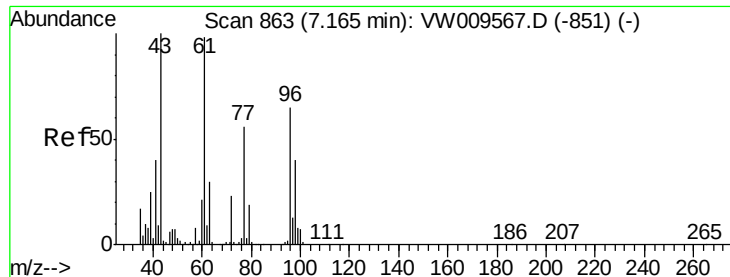
Tgt Ion: 77 Resp: 157194

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.7





#27

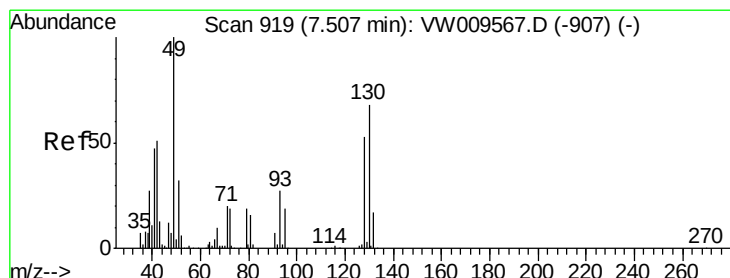
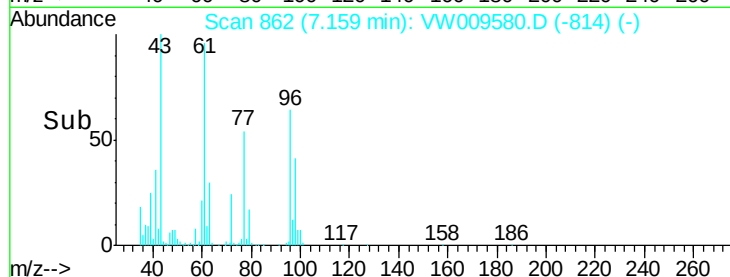
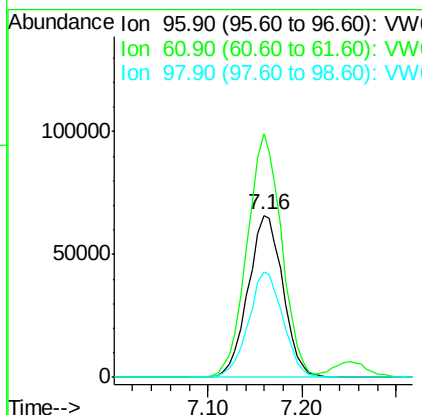
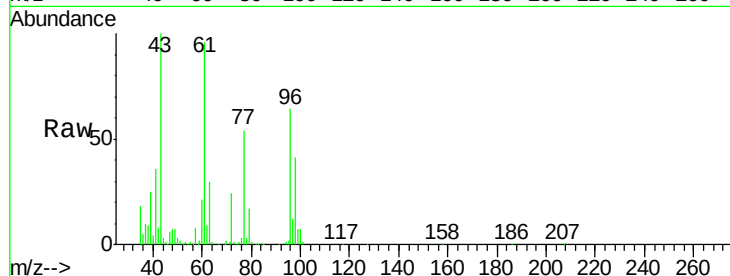
cis-1,2-Dichloroethene
Concen: 50.267 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	289.8
98	64.4	0.0	130.8

Manual Integrations
APPROVED

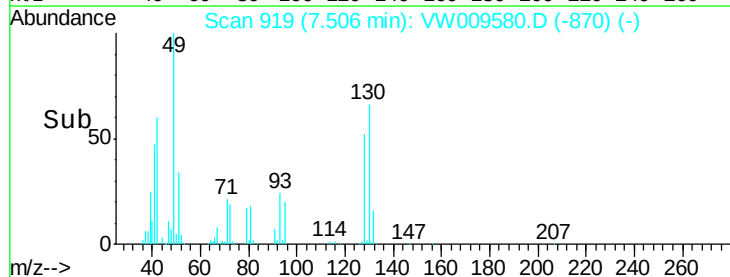
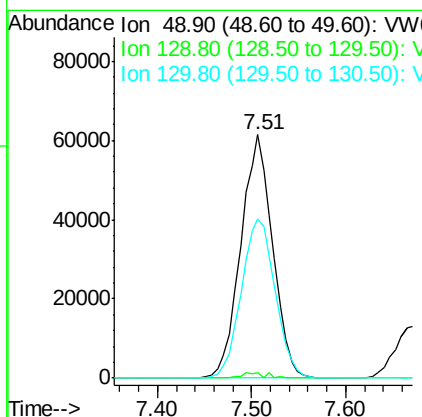
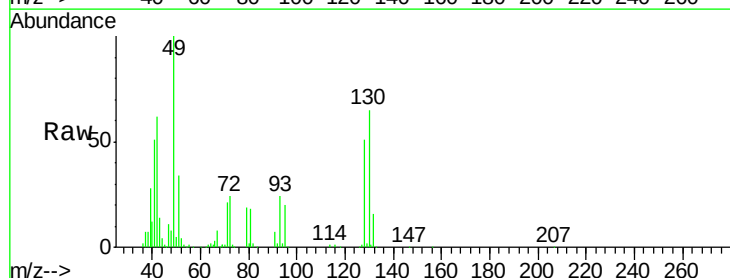
MMDadoda
4/1/2019 4:04:51 AM

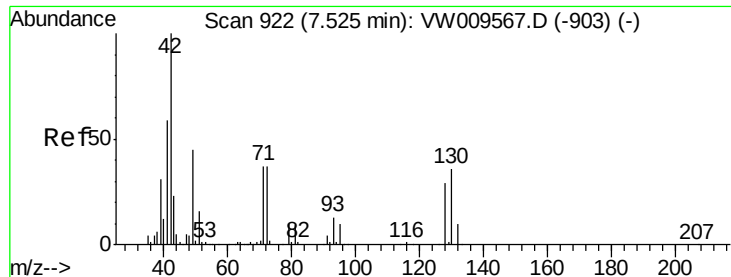


#28

Bromochloromethane
Concen: 54.879 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	1.4
130	69.3	58.6	88.0





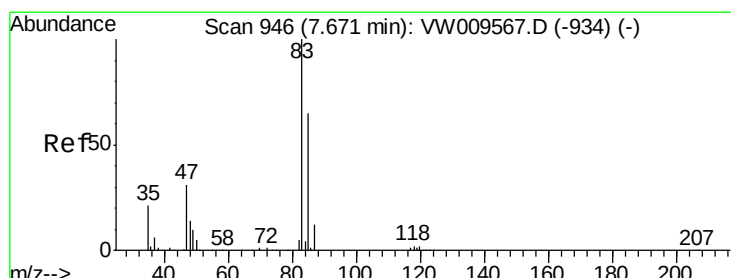
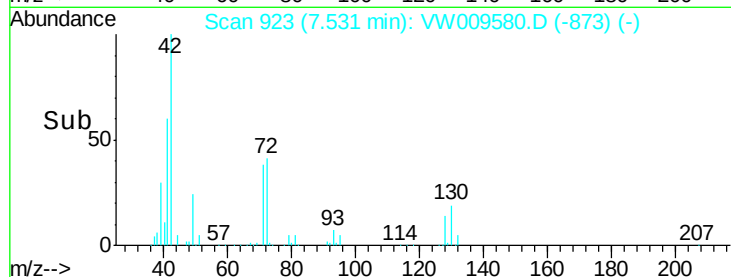
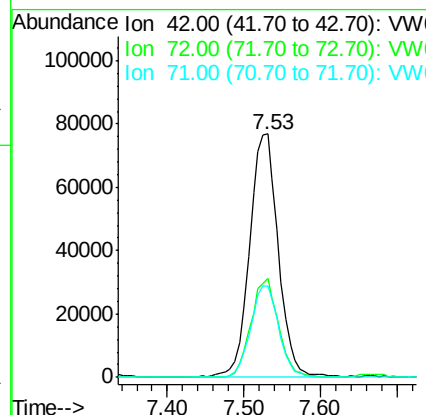
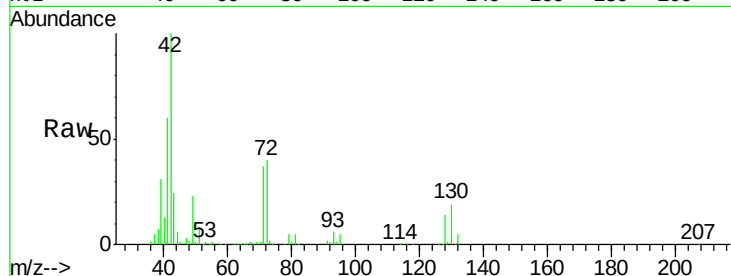
#29
Tetrahydrofuran
Concen: 297.114 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.4	48.6
71	37.3	30.1	45.1

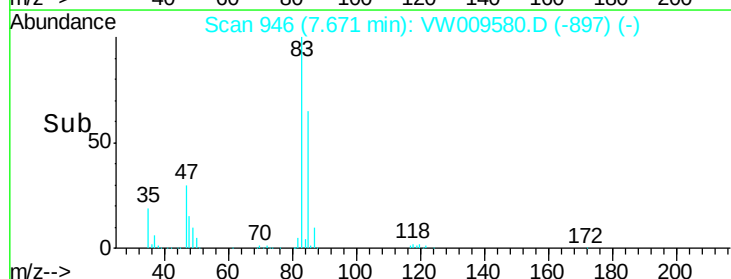
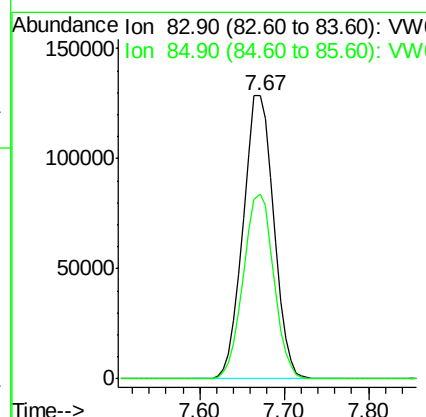
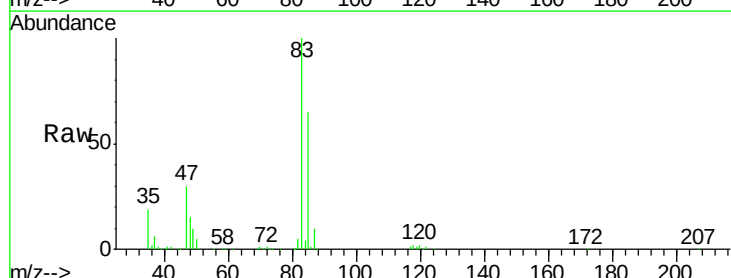
Manual Integrations
APPROVED

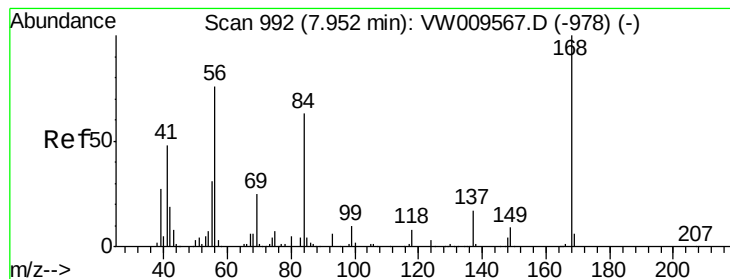
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#30
Chloroform
Concen: 49.832 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.6





#31

Cyclohexane

Concen: 43.317 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

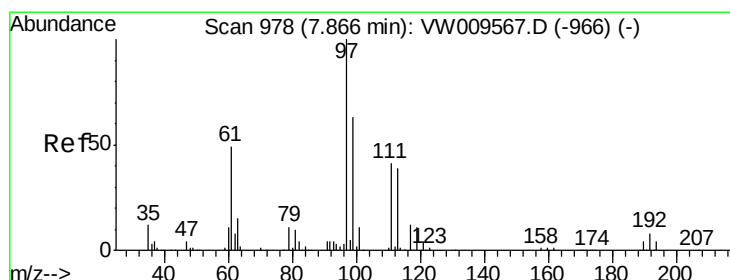
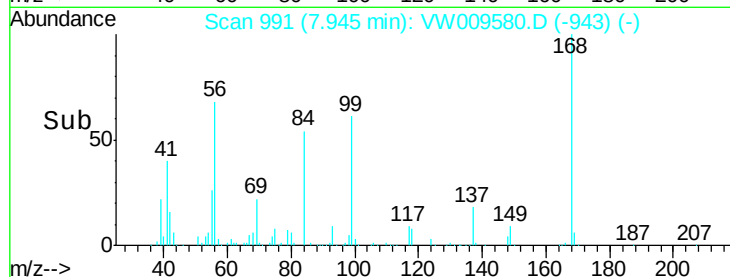
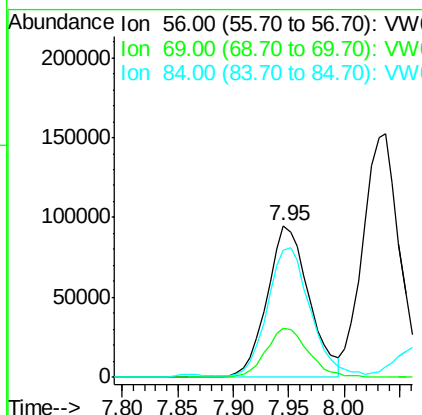
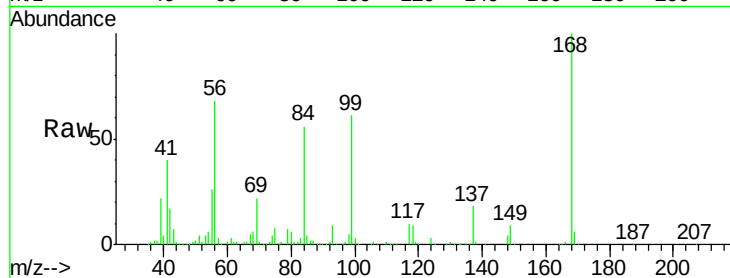
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	248224
Ion Ratio	Lower	Upper	
56	100		
69	32.2	26.1	39.1
84	81.0	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.273 ug/l

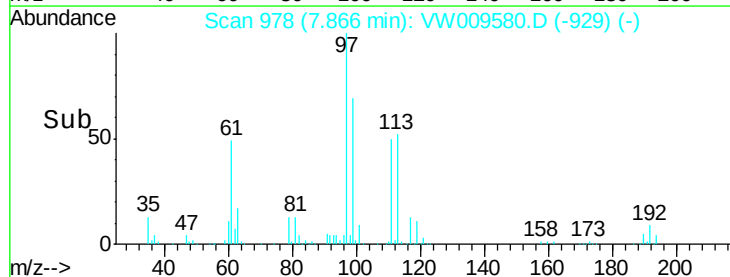
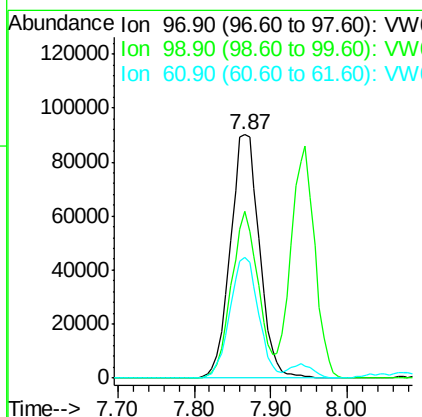
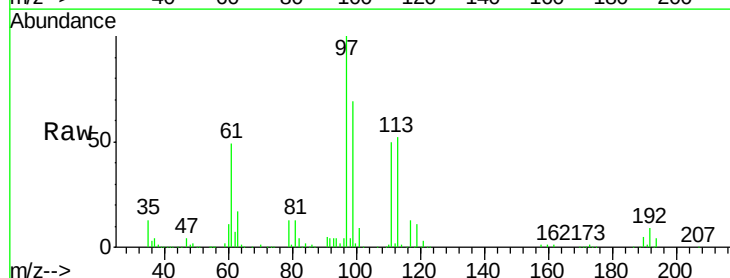
RT: 7.87 min Scan# 978

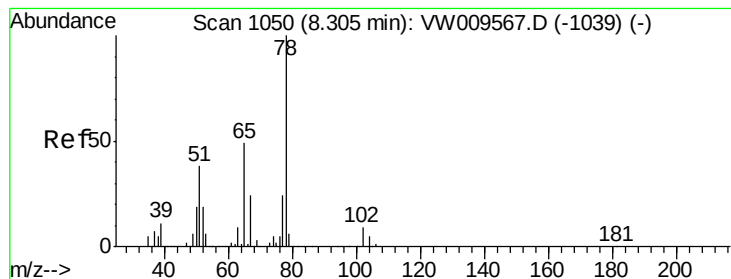
Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion:	97	Resp:	237154
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.9	77.9
61	48.9	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 52.685 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 183511

Ion Ratio Lower Upper

65 100

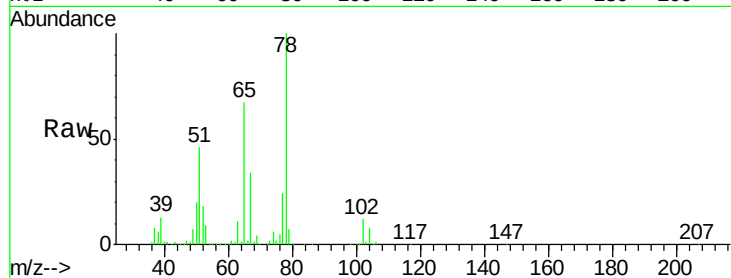
67 50.1 0.0 102.4

Manual Integrations

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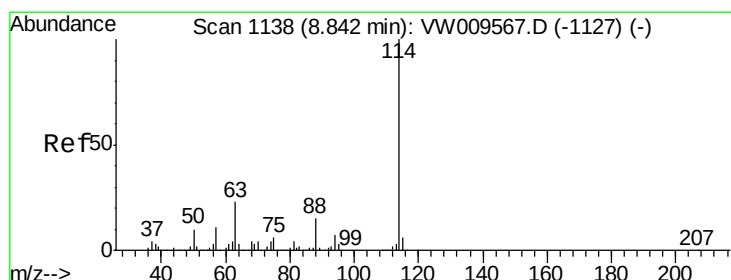
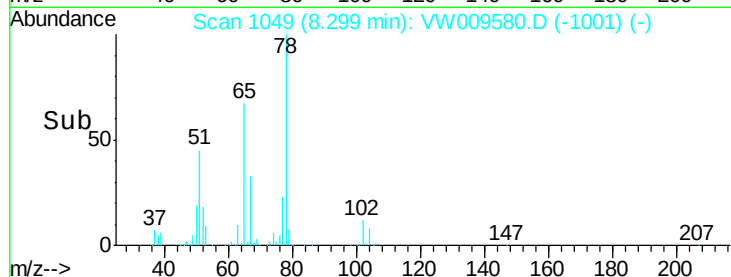
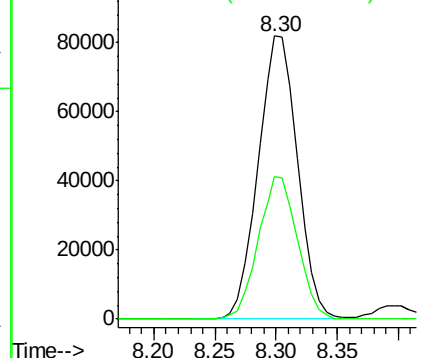
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Abundance Ion 64.90 (64.60 to 65.60): VW

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: VW009580.D

Acq: 29 Mar 2019 19:35

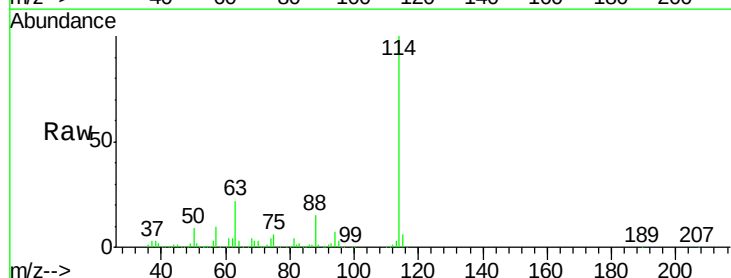
Tgt Ion: 114 Resp: 488587

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.2

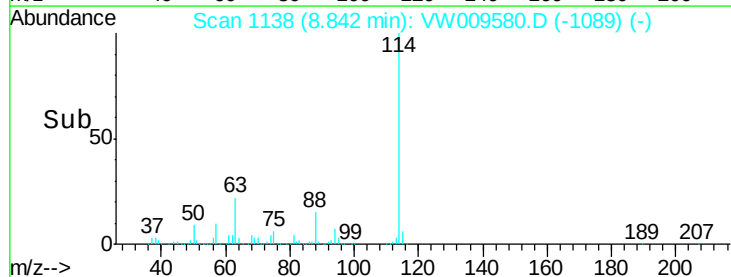
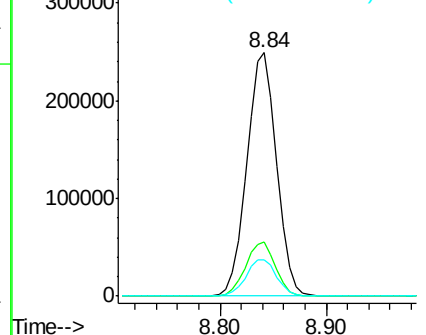
88 15.0 0.0 30.8

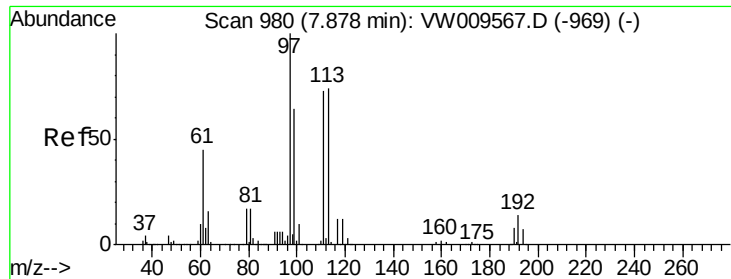


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





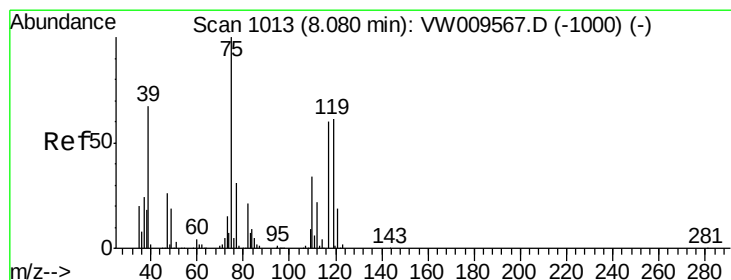
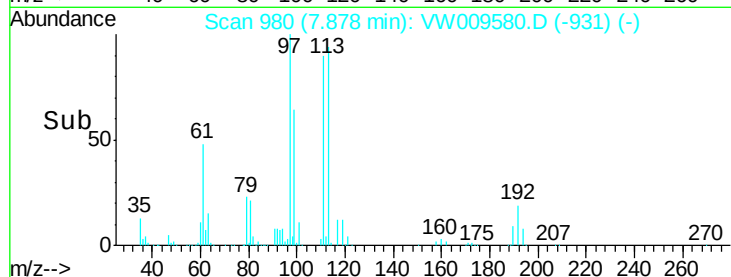
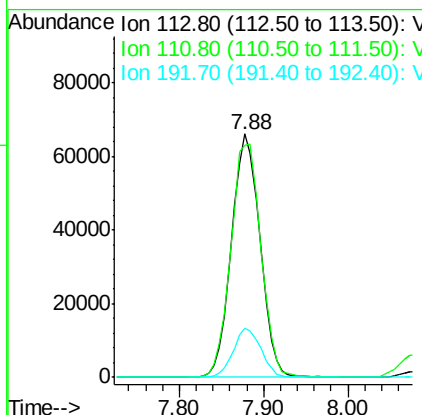
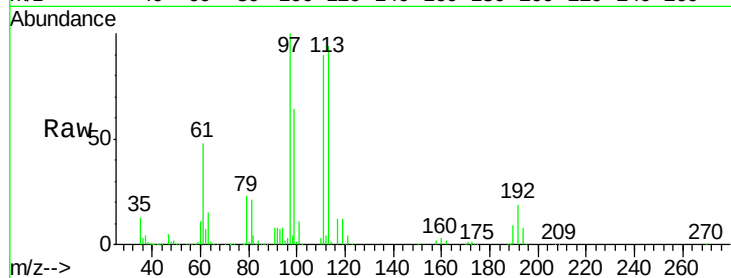
#35
 Dibromofluoromethane
 Concen: 49.363 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	124.0
192	19.7	16.4	24.6

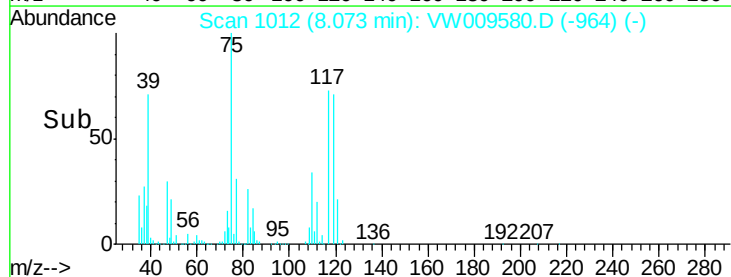
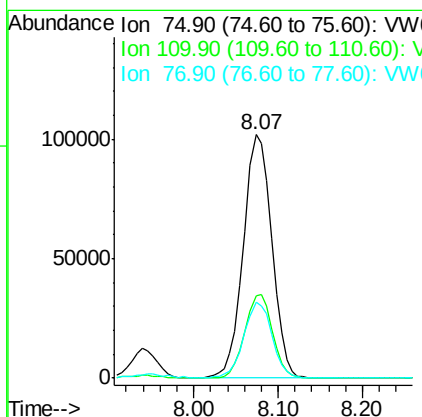
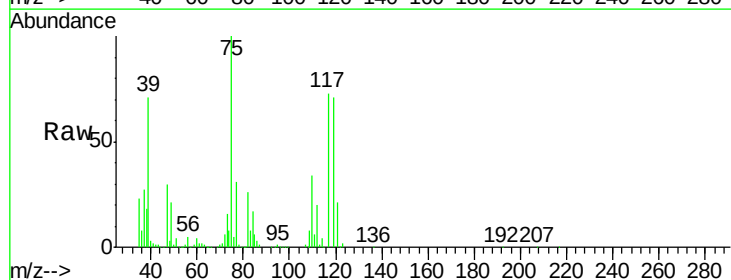
Manual Integrations
 APPROVED

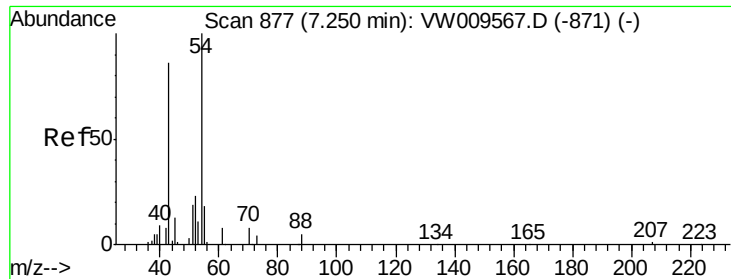
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 4/1/2019 4:04:51 AM



#36
 1,1-Dichloropropene
 Concen: 46.000 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.8	50.4
77	31.1	24.6	36.8





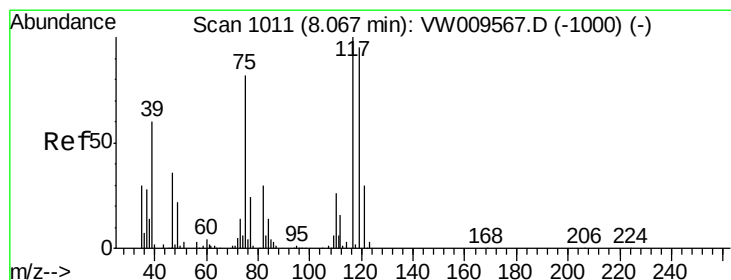
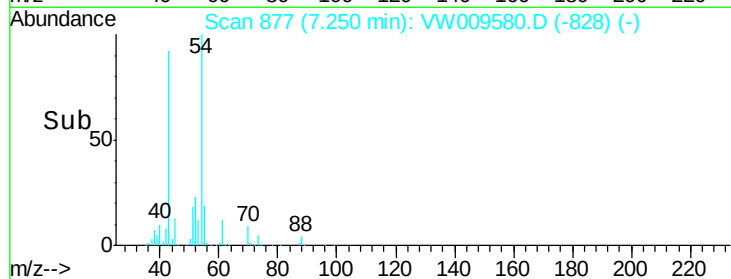
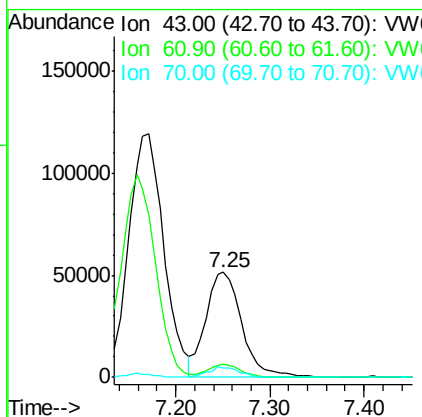
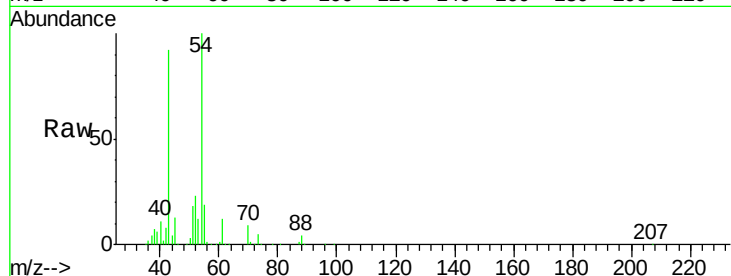
#37
Ethyl Acetate
Concen: 56.219 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.0	15.0
70	8.9	7.3	10.9

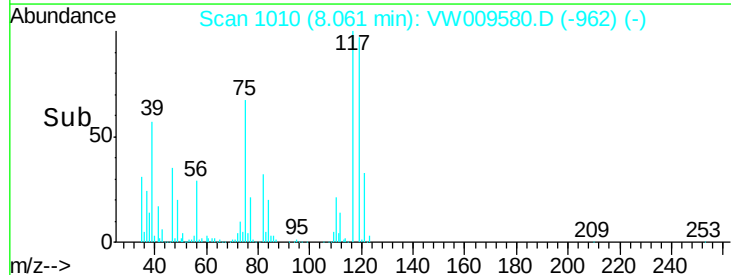
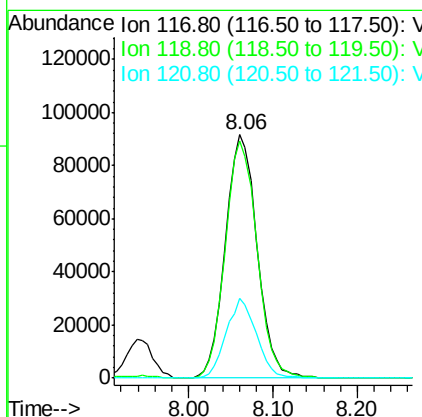
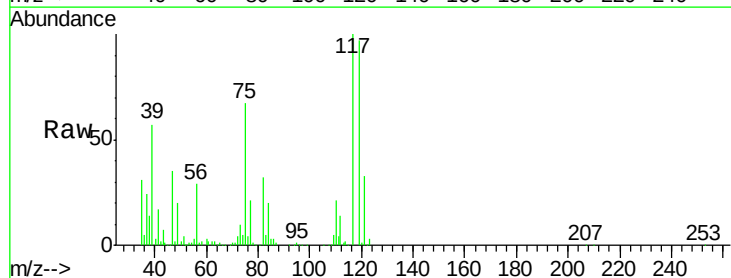
Manual Integrations
APPROVED

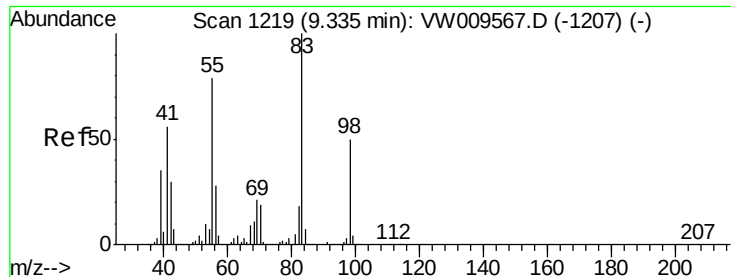
MMDadoda
4/1/2019 4:04:51 AM



#38
Carbon Tetrachloride
Concen: 45.126 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.4	113.0
121	32.6	24.9	37.3





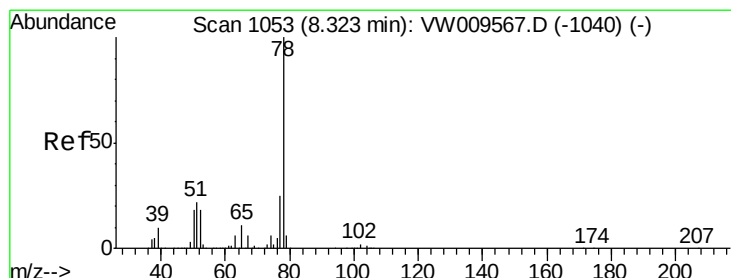
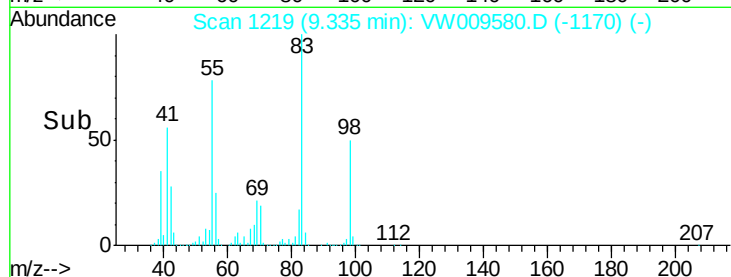
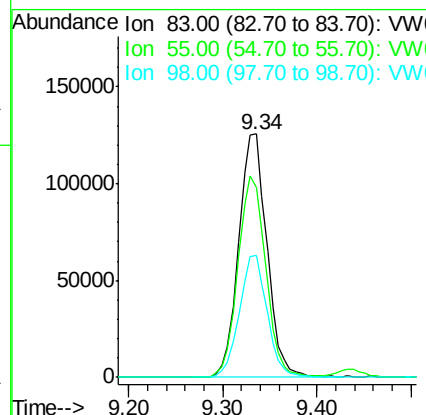
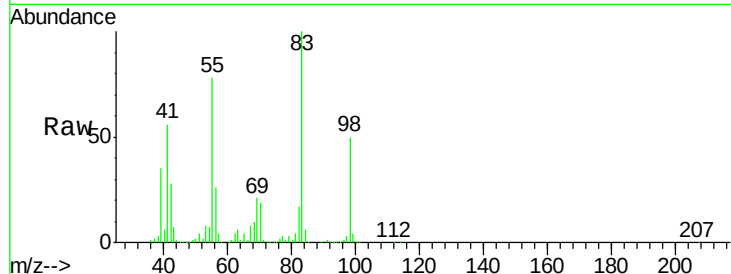
#39
Methylvlcyclohexane
Concen: 45.675 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.1	91.7
98	50.1	39.0	58.4

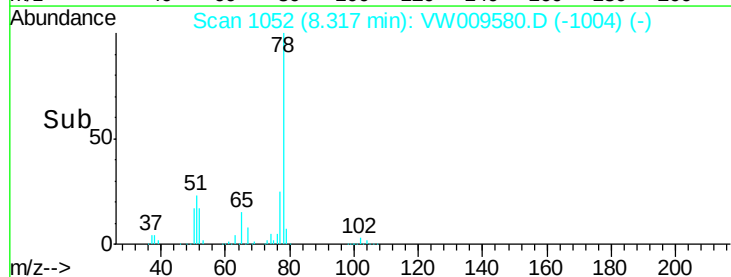
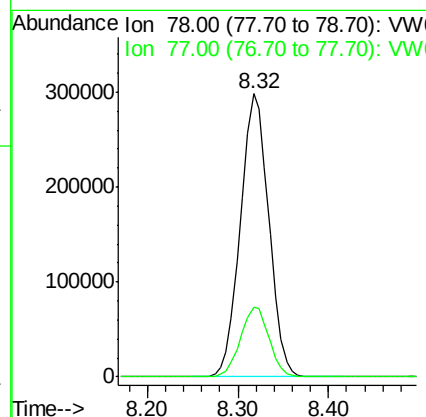
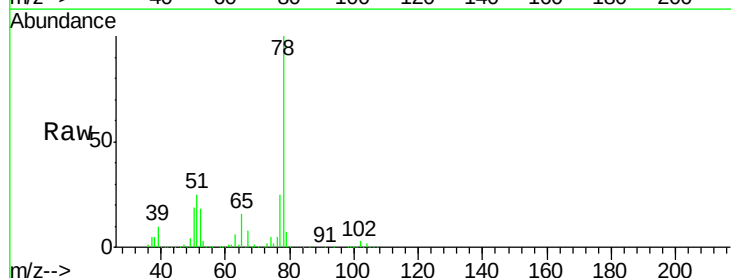
Manual Integrations
APPROVED

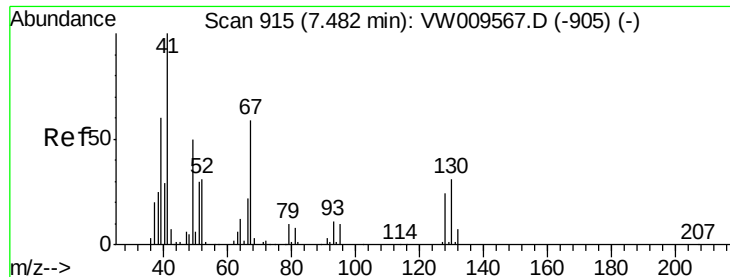
MMDadoda
4/1/2019 4:04:51 AM



#40
Benzene
Concen: 47.328 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.6





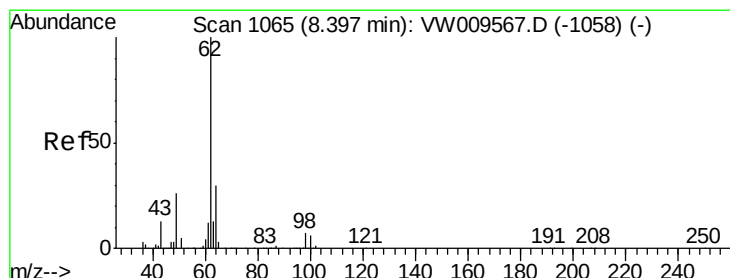
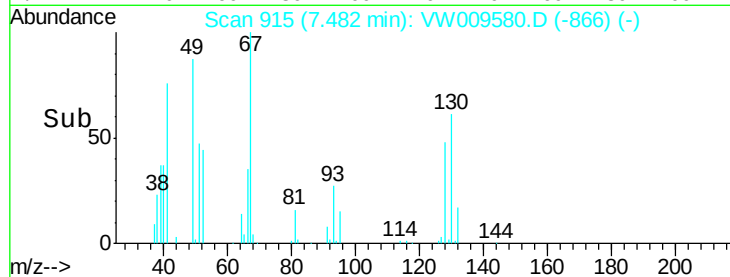
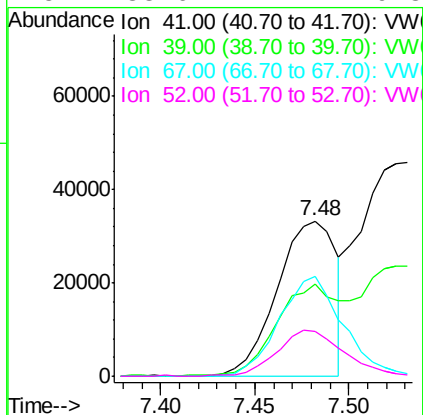
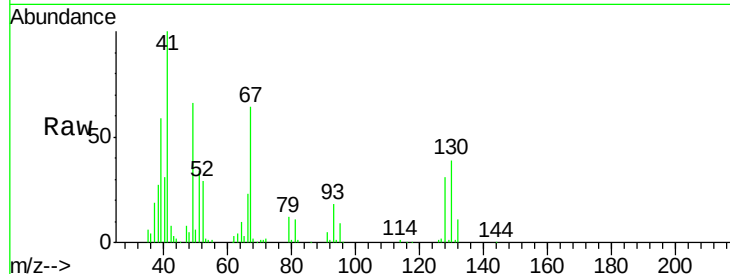
#41
Methacrylonitrile
Concen: 46.653 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	72500
Ion Ratio	Lower	Upper	
41	100		
39	67.2	52.5	78.7
67	69.1	56.6	84.8
52	33.6	27.2	40.8

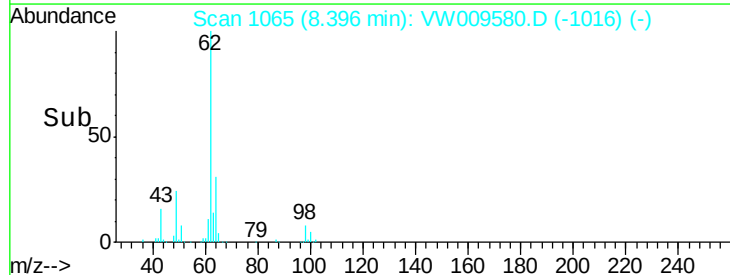
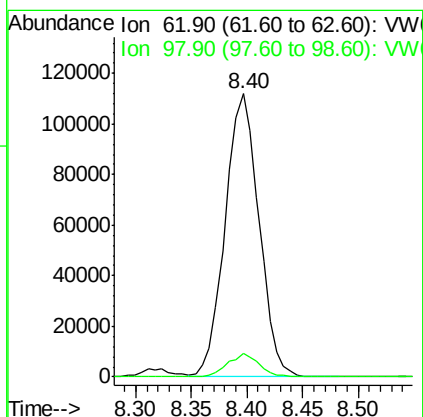
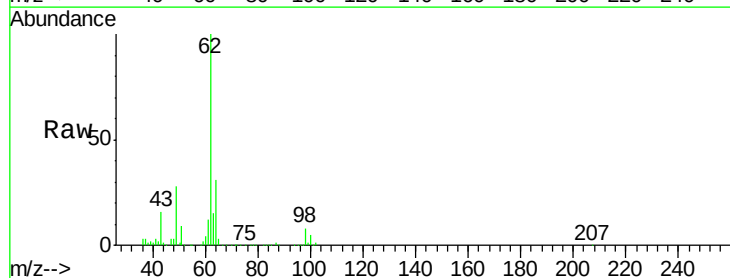
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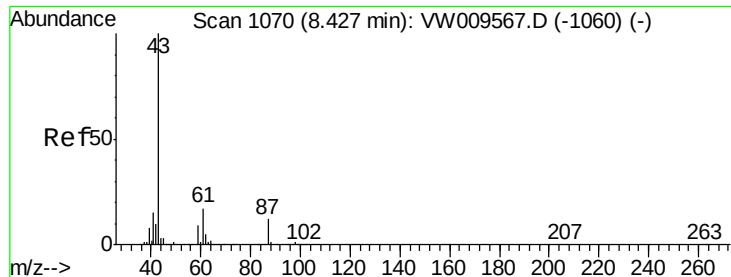
MMDadoda
4/1/2019 4:04:51 AM



#42
1,2-Dichloroethane
Concen: 50.619 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion:	62	Resp:	236221
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 55.074 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

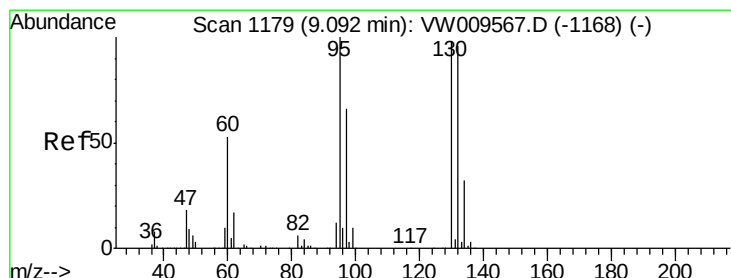
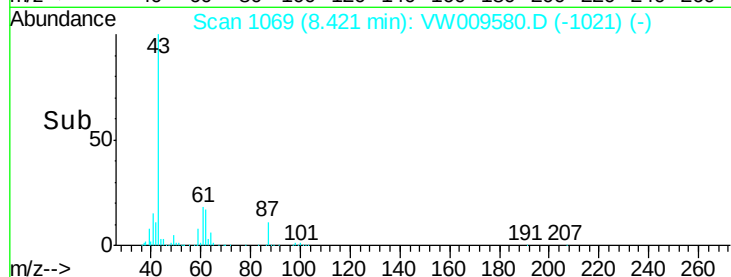
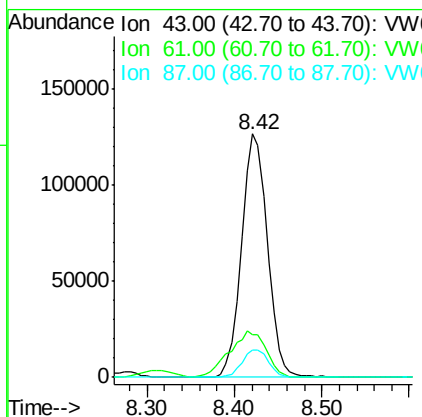
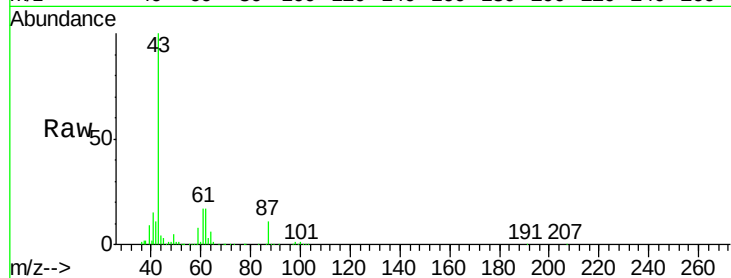
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	259140
Ion	Ratio	Lower	Upper
43	100		
61	27.0	22.2	33.2
87	11.7	9.6	14.4

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#44

Trichloroethene

Concen: 47.121 ug/l

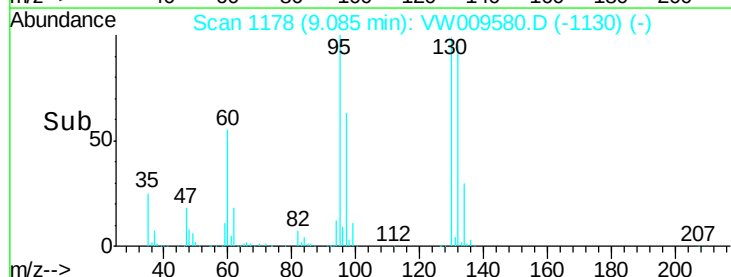
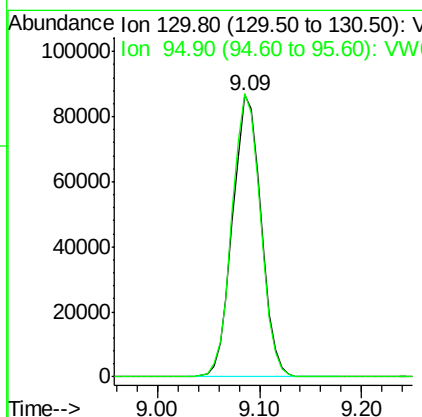
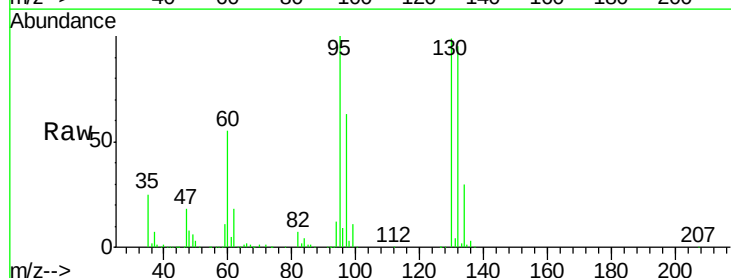
RT: 9.09 min Scan# 1178

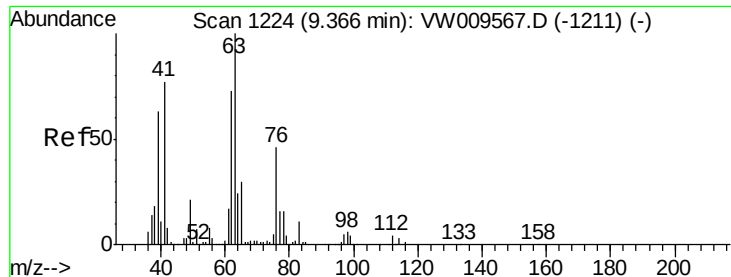
Delta R.T. -0.01 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion:	130	Resp:	166986
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	192.6





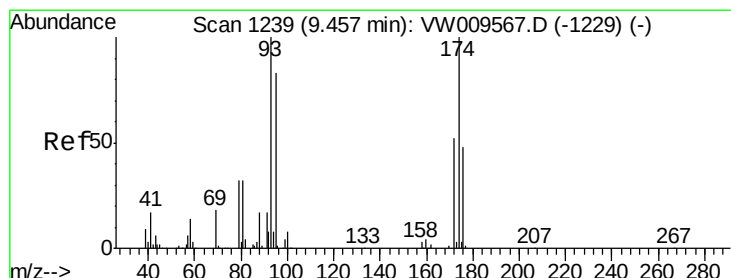
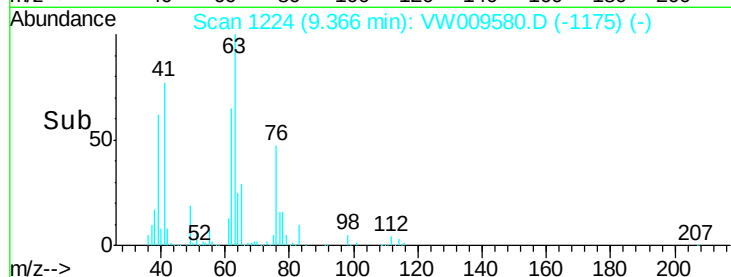
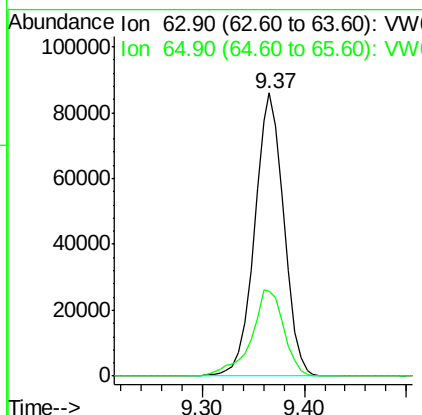
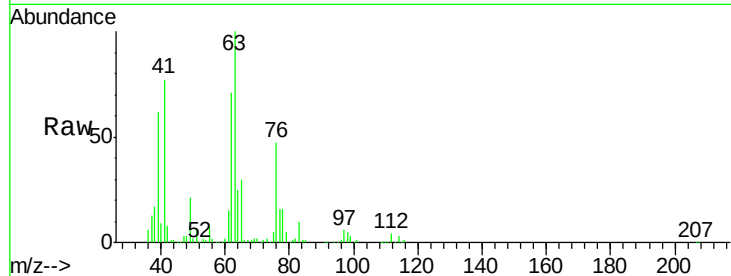
#45
 1,2-Dichloropropane
 Concen: 48.797 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.8	38.8

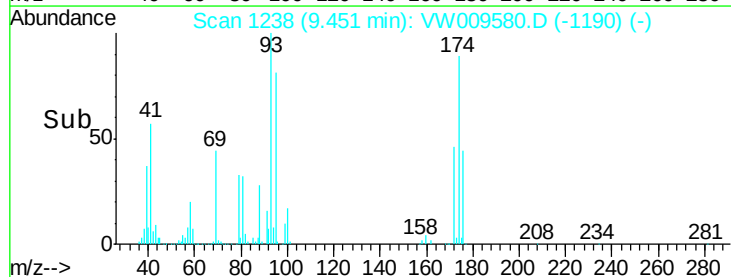
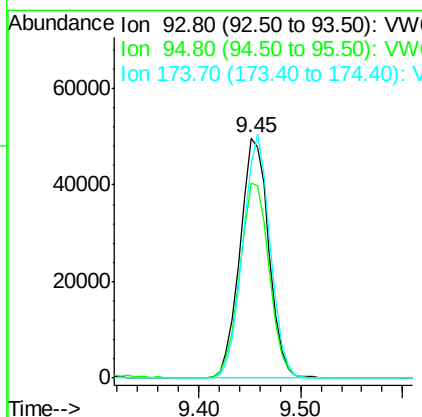
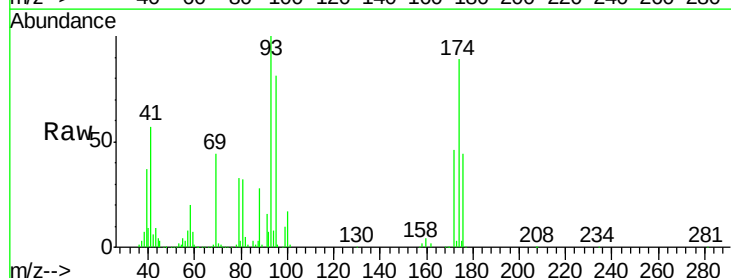
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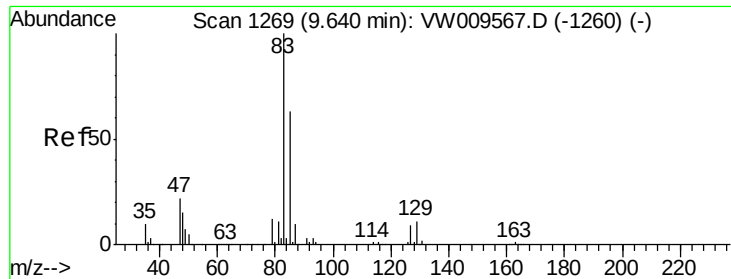
MMDadoda
 4/1/2019 4:04:51 AM



#46
 Dibromomethane
 Concen: 51.300 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.9	100.3
174	96.6	80.8	121.2





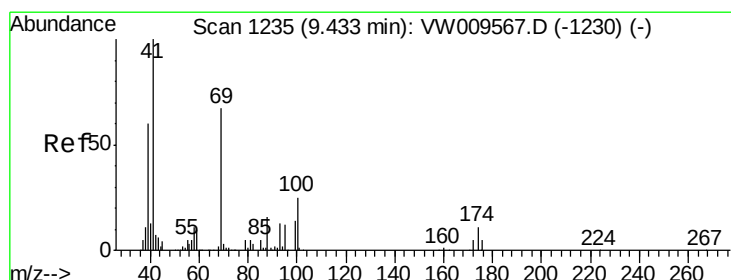
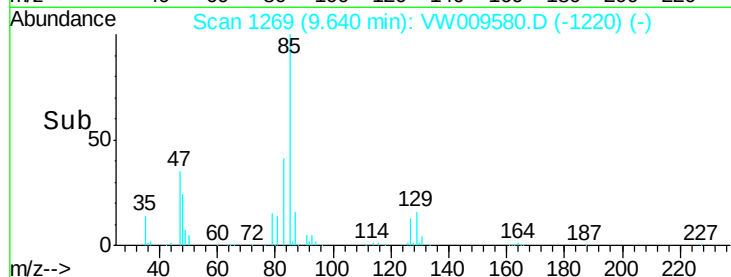
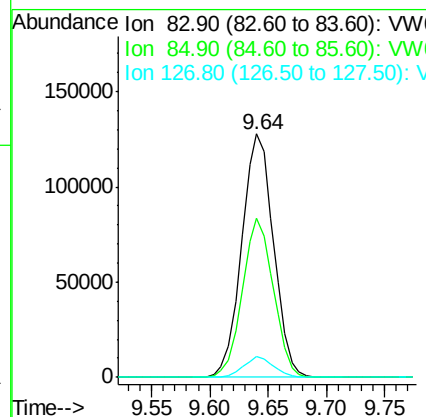
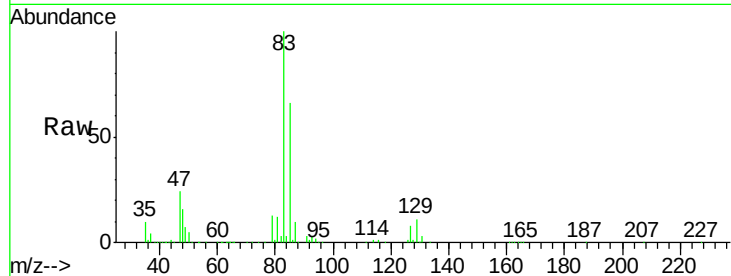
#47
 Bromodichloromethane
 Concen: 50.225 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	243168		
85	65.6	52.6	79.0	
127	8.3	6.5	9.7	

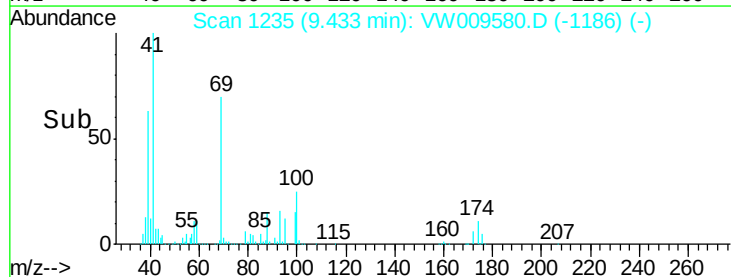
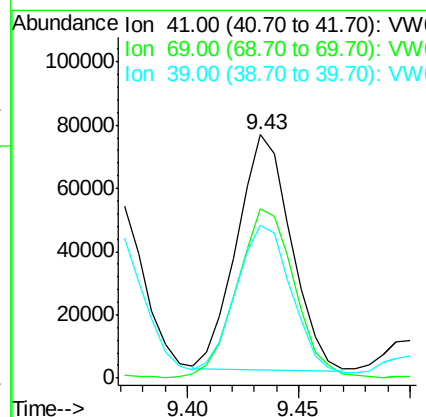
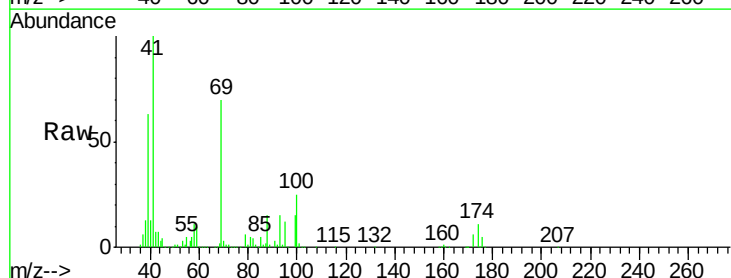
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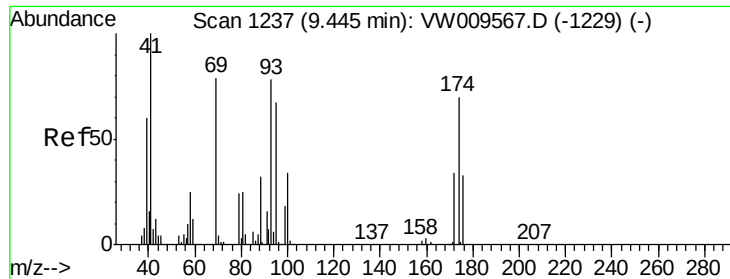
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#48
 Methyl methacrylate
 Concen: 57.335 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	126463		
69	75.5	63.0	94.6	
39	68.9	57.2	85.8	





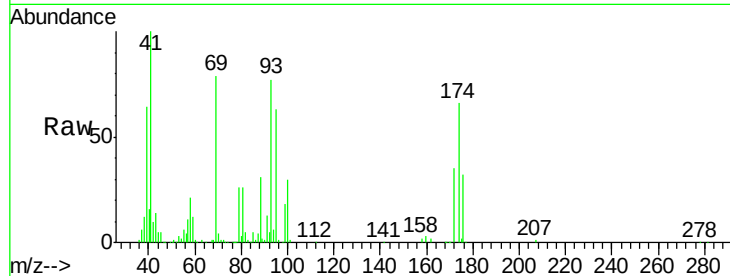
#49
1,4-Dioxane
Concen: 1184.059 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	33468
Ion	Ratio	Lower	Upper
88	100		
43	37.9	29.7	44.5
58	68.8	58.1	87.1

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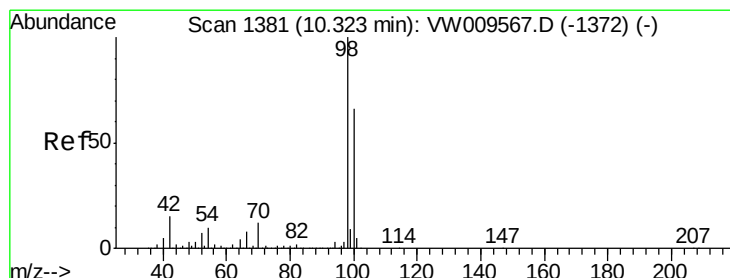
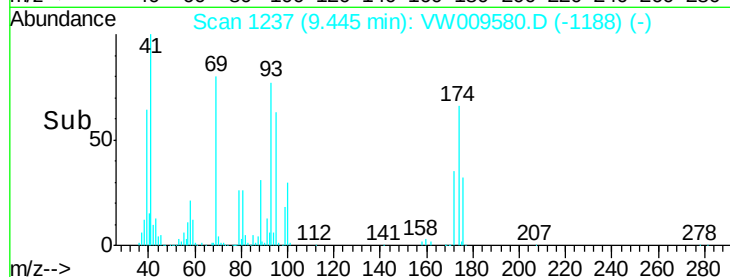
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

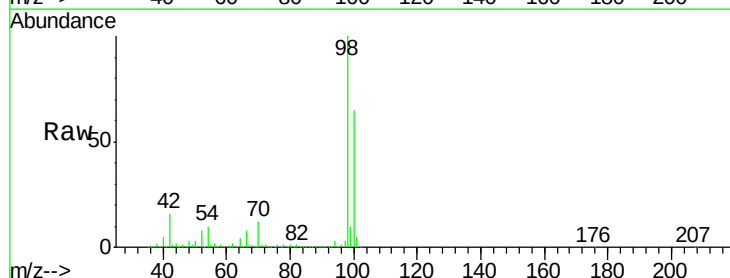
Ion 58.00 (57.70 to 58.70): VW

Time-->



#50
Toluene-d8
Concen: 48.758 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	98	Resp	553025
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	79.0

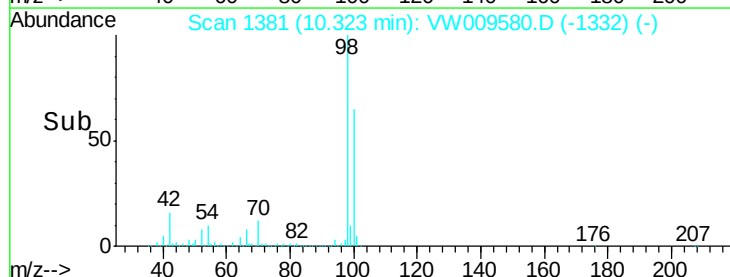


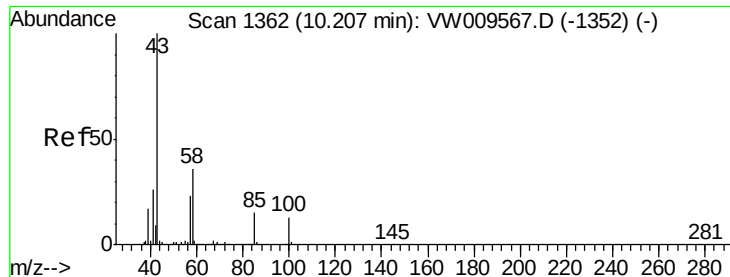
Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->





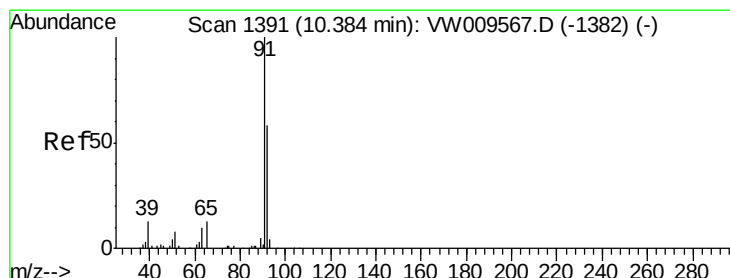
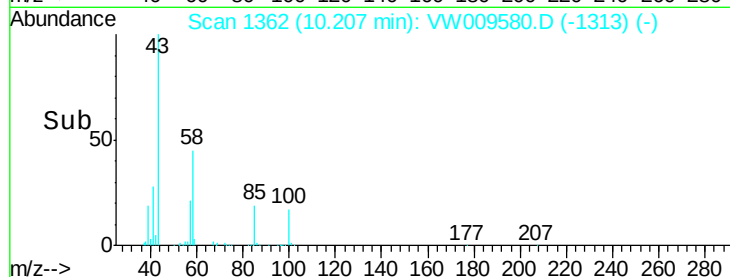
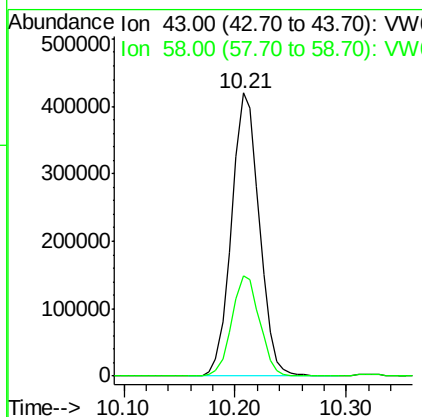
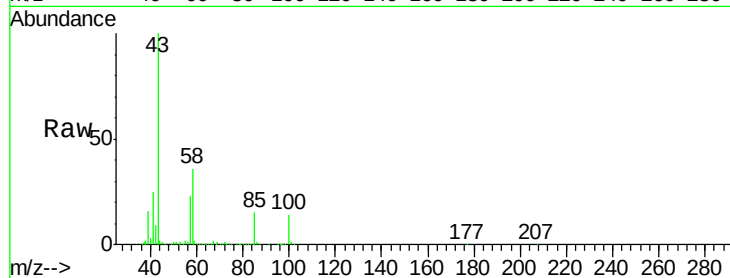
#51
 4-Methyl-2-Pentanone
 Concen: 287.674 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	42.8

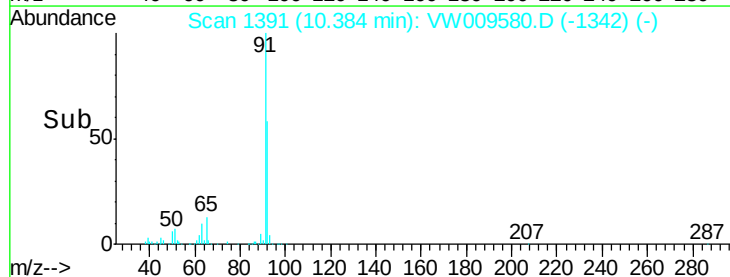
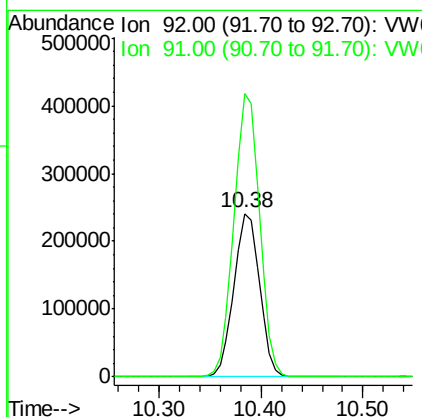
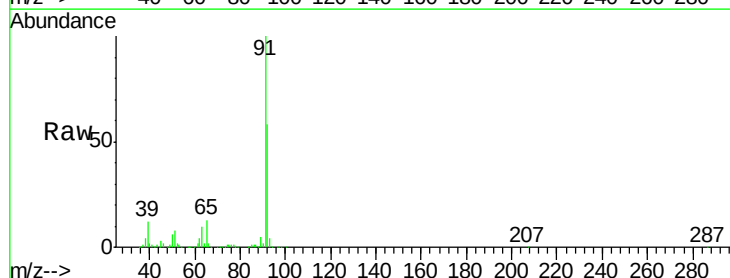
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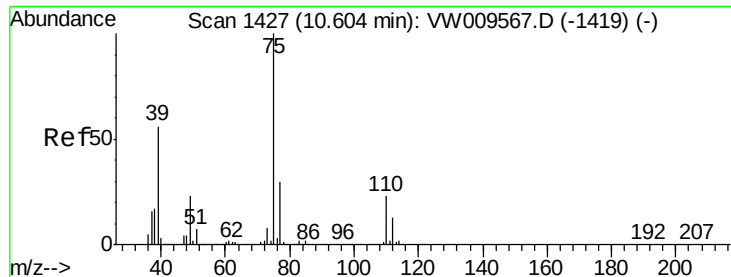
MMDadoda
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#52
 Toluene
 Concen: 48.783 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	140.1	210.1





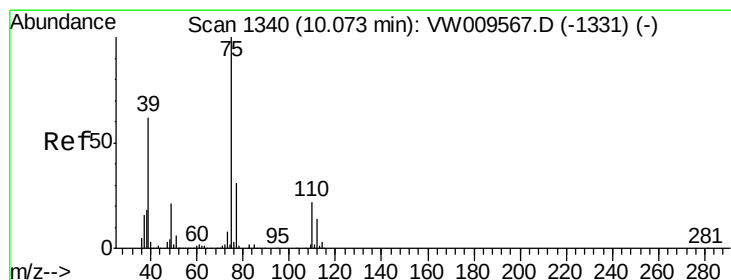
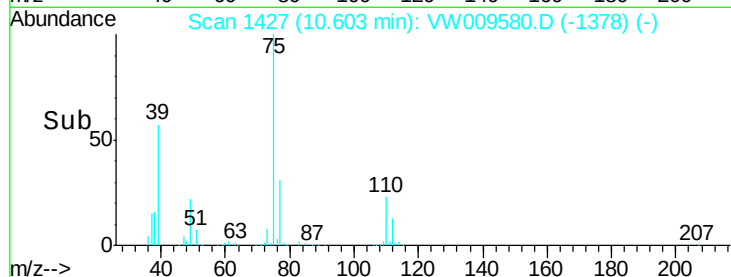
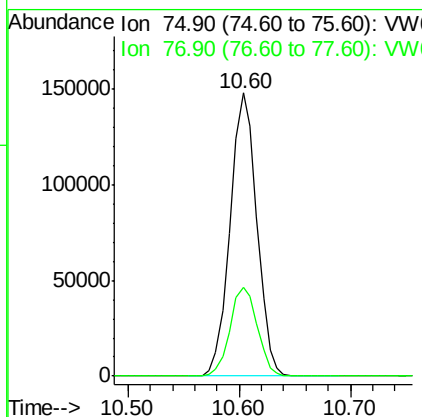
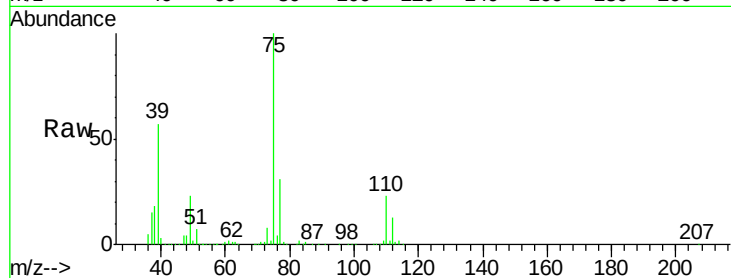
#53
 t-1,3-Dichloropropene
 Concen: 51.837 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2

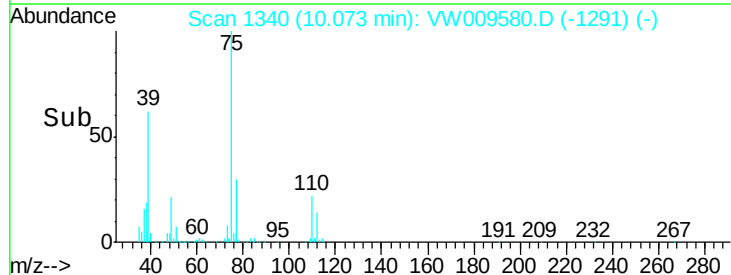
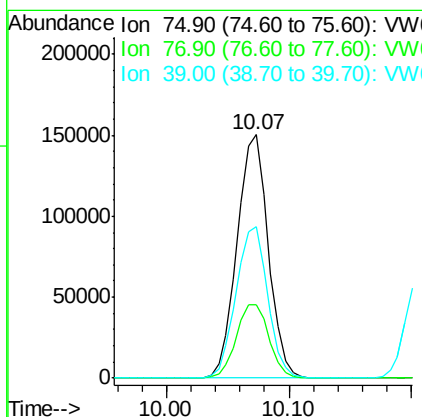
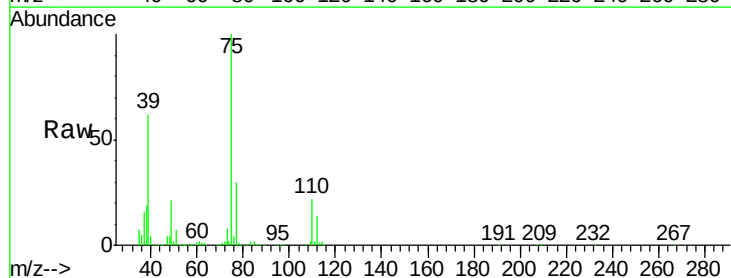
Manual Integrations
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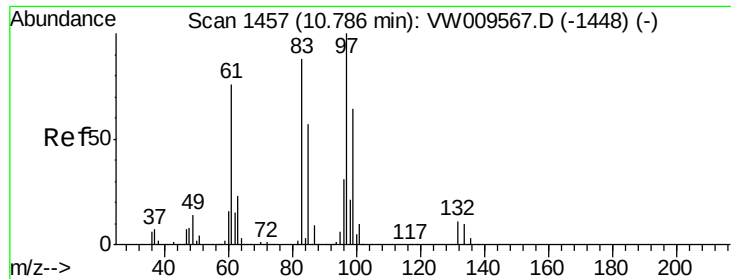
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#54
 cis-1,3-Dichloropropene
 Concen: 50.645 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.9	38.9
39	61.9	46.8	70.2





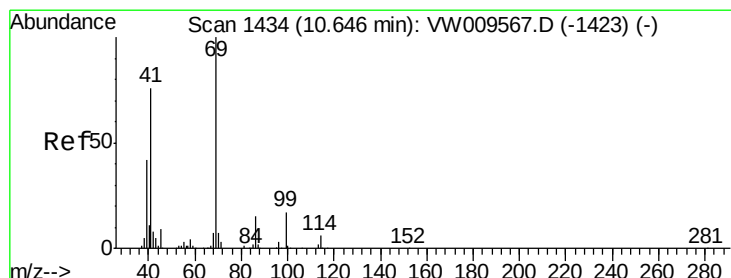
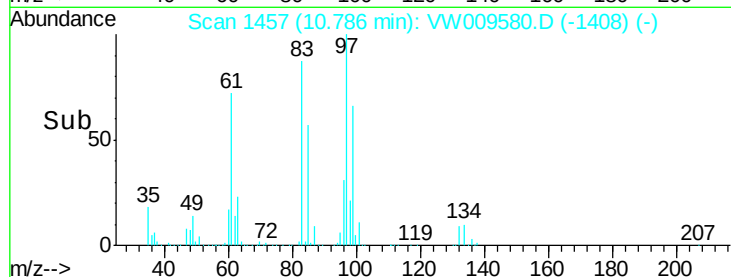
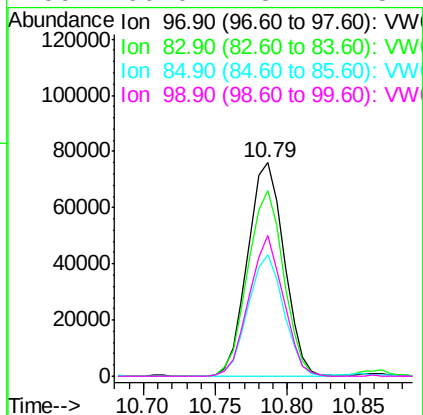
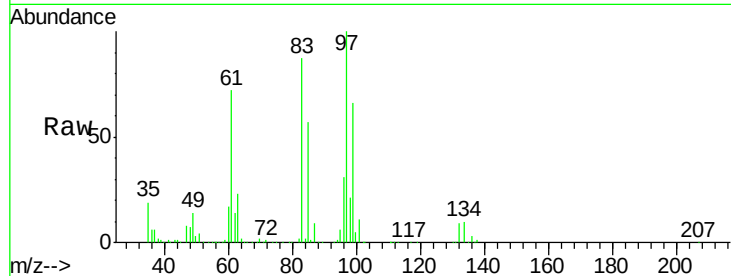
#55
 1,1,2-Trichloroethane
 Concen: 52.034 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.8	66.3	99.5
85	56.8	41.4	62.2
99	66.0	48.7	73.1

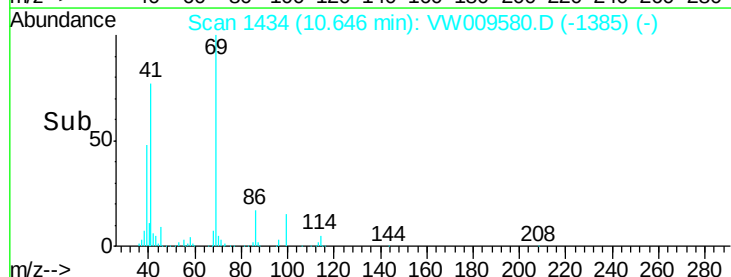
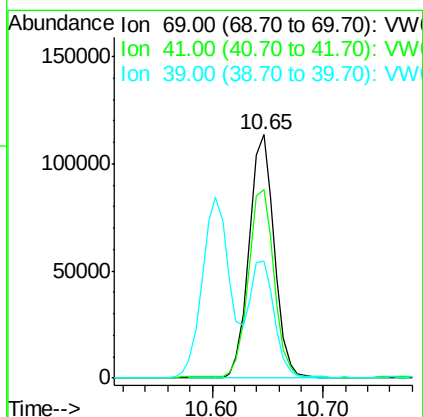
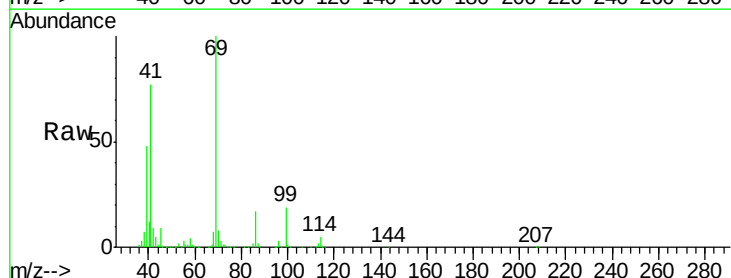
Manual Integrations
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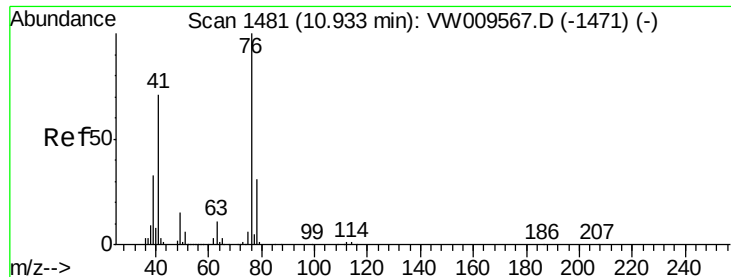
MMDadoda
 4/1/2019 4:04:51 AM



#56
 Ethyl methacrylate
 Concen: 50.376 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.5	59.3	88.9
39	44.8	36.2	54.2





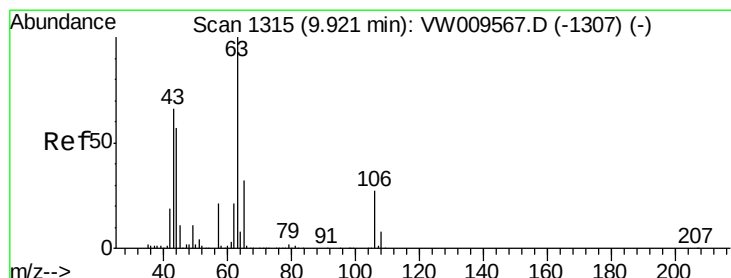
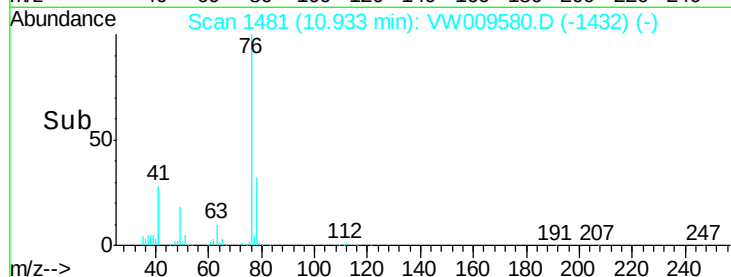
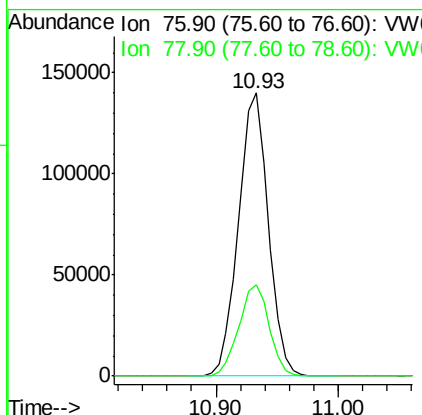
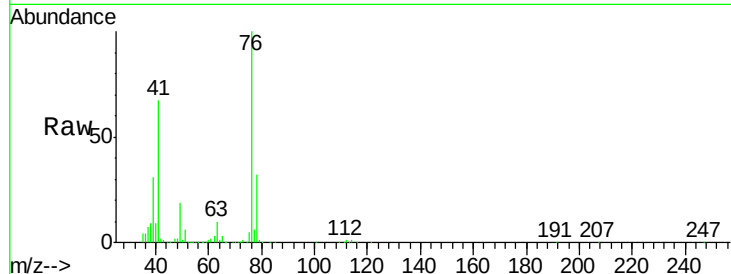
#57
 1,3-Dichloropropane
 Concen: 52.021 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

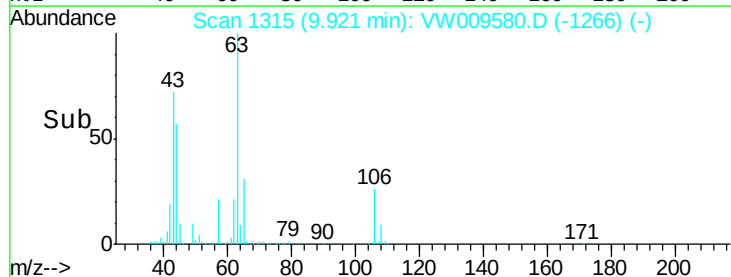
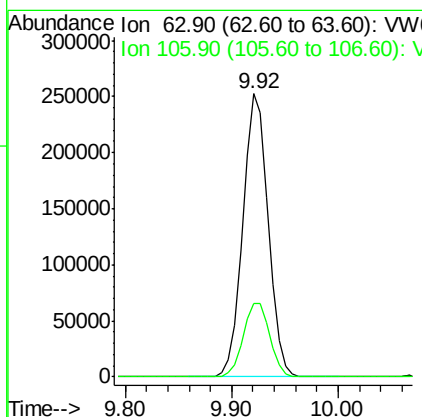
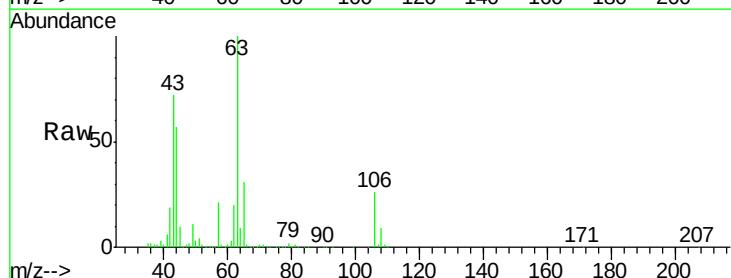
Manual Integrations
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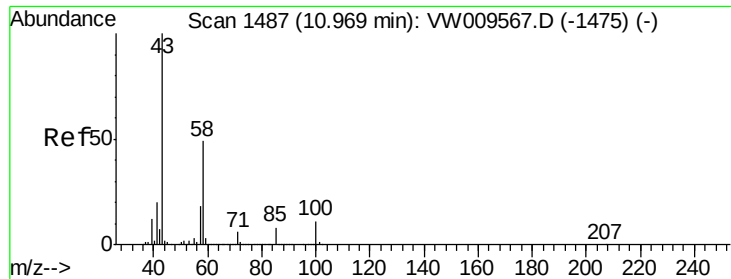
MMDadoda
 4/1/2019 4:04:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.783 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.9	34.3





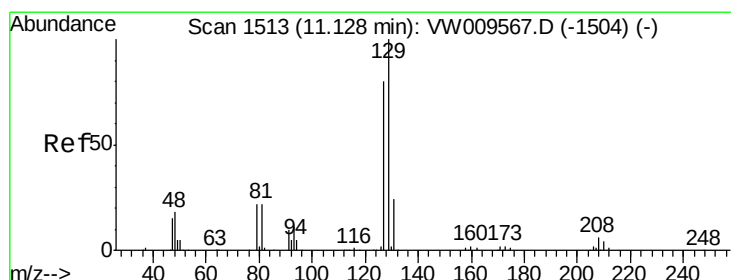
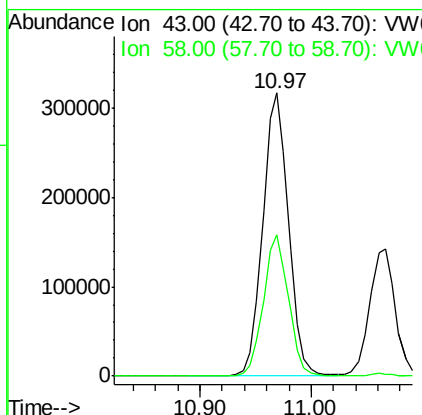
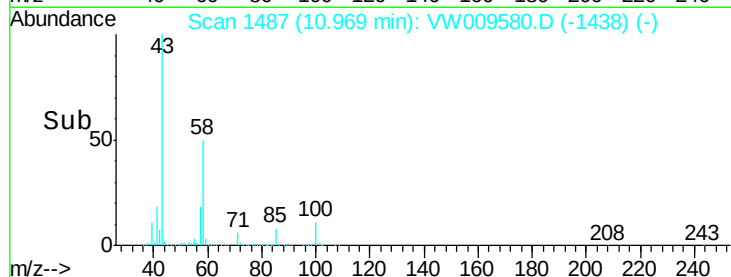
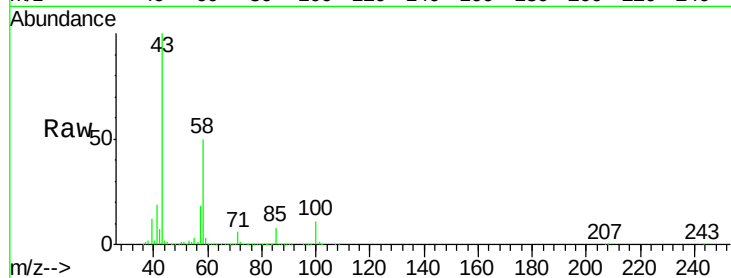
#59
2-Hexanone
Concen: 292.738 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.9	24.2	72.6

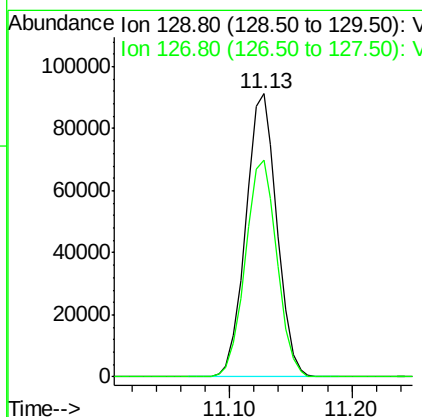
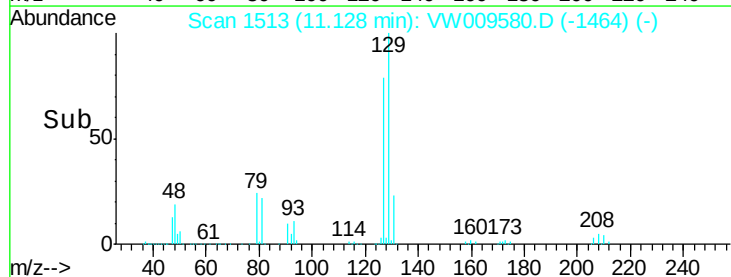
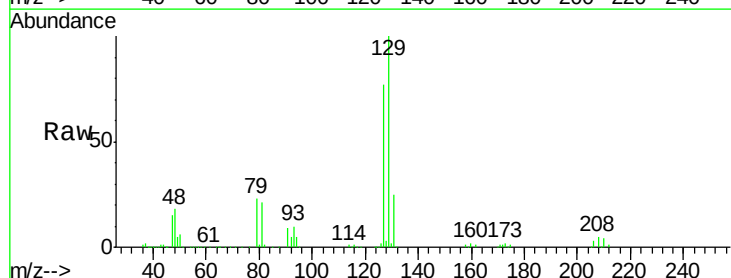
Manual Integrations
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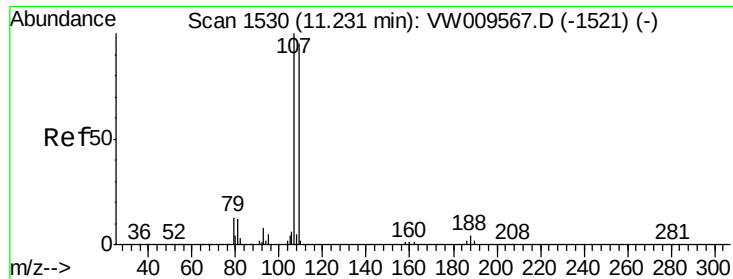
MMDadoda
4/1/2019 4:04:51 AM



#60
Dibromochloromethane
Concen: 52.066 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.1	114.5





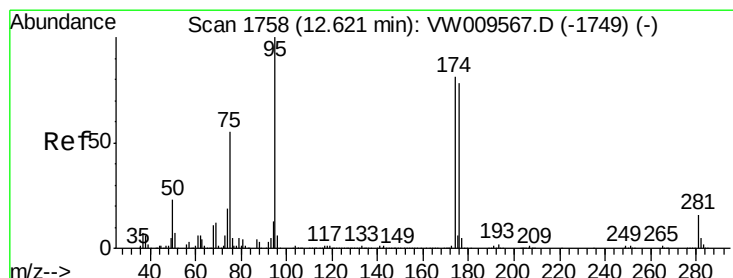
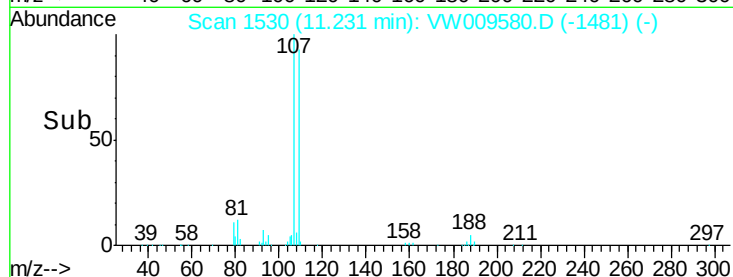
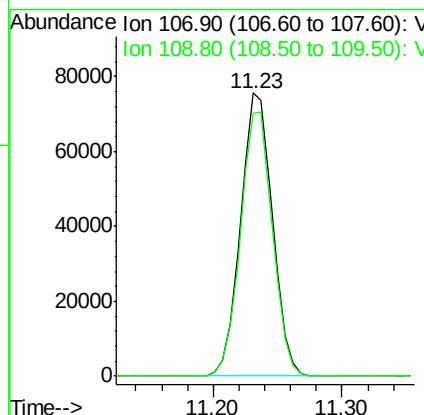
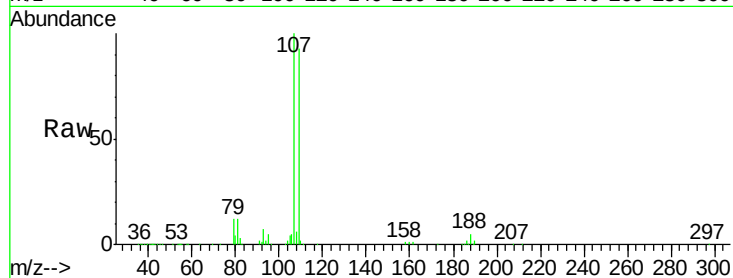
#61
 1,2-Dibromoethane
 Concen: 52.387 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	128885		
109	93.9	75.1	112.7	

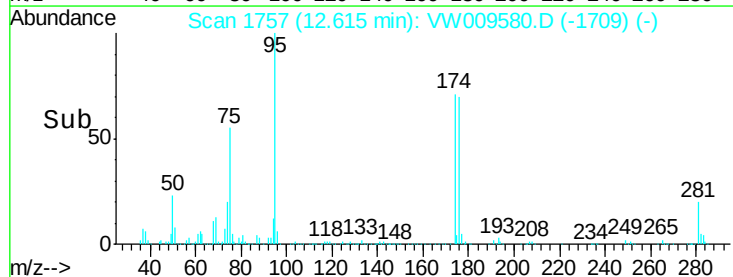
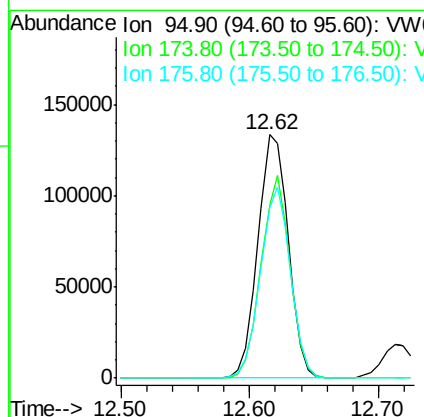
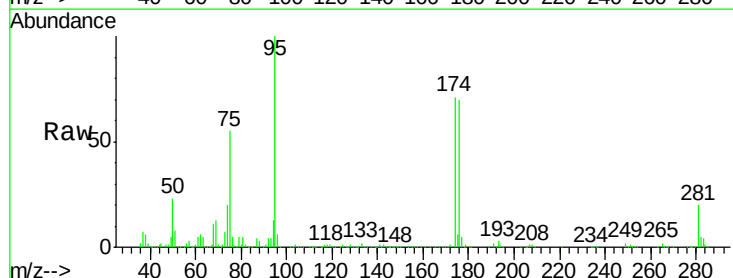
Manual Integrations
 APPROVED

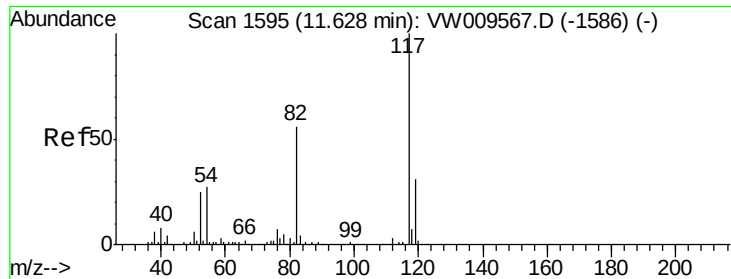
MMDadoda
 4/1/2019 4:04:51 AM



#62
 4-Bromofluorobenzene
 Concen: 51.370 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	217362		
174	79.2	0.0	168.4	
176	77.4	0.0	161.6	





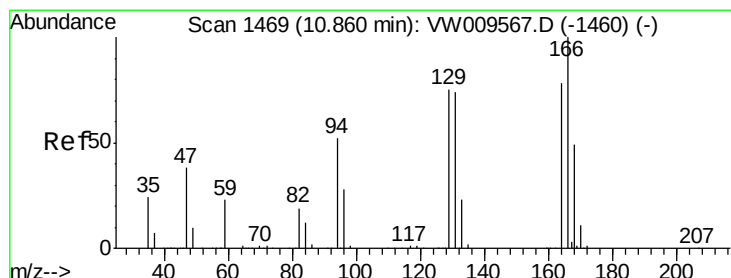
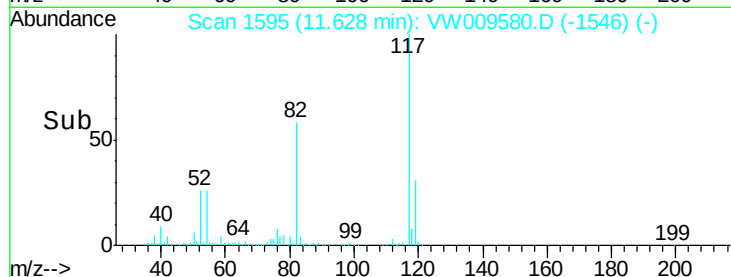
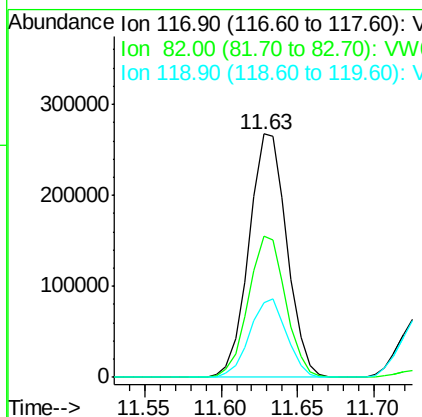
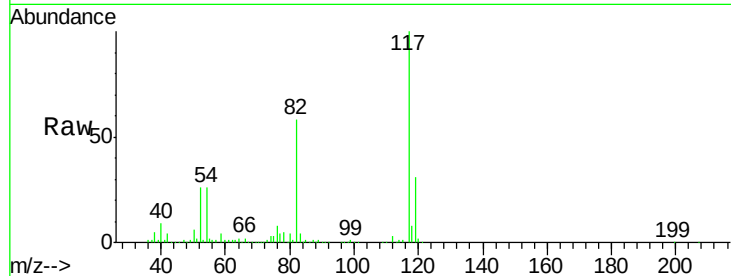
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	460295		
82	57.9		43.6	65.4
119	30.8		26.0	39.0

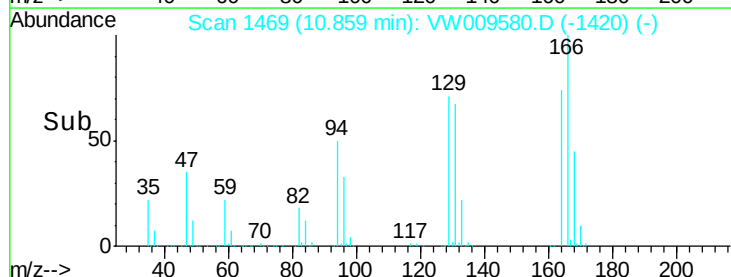
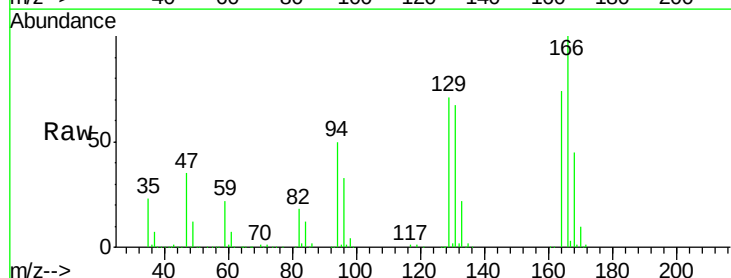
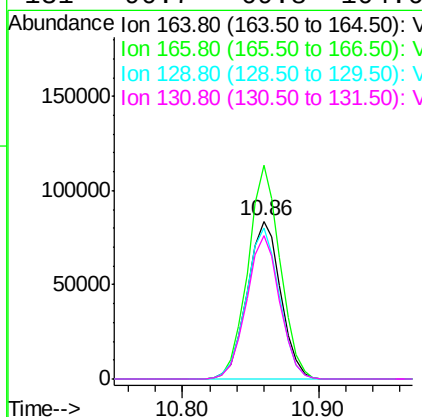
Manual Integrations
APPROVED

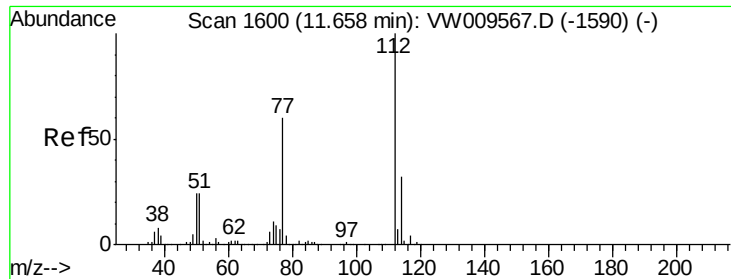
MMDadoda
4/1/2019 4:04:51 AM



#64
Tetrachloroethene
Concen: 46.388 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	144975		
166	135.3		100.9	151.3
129	95.7		72.0	108.0
131	90.7		69.8	104.6





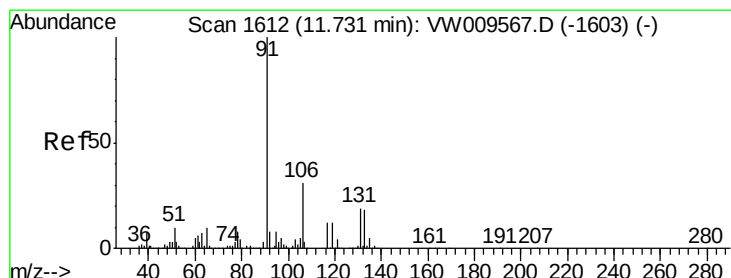
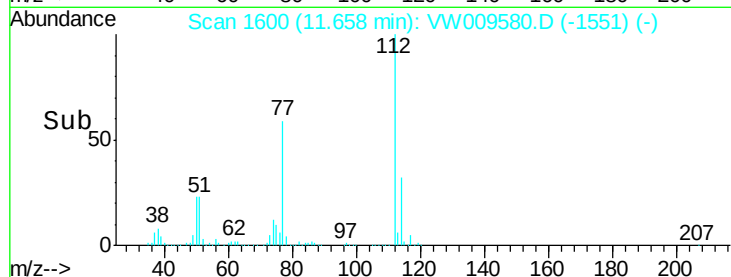
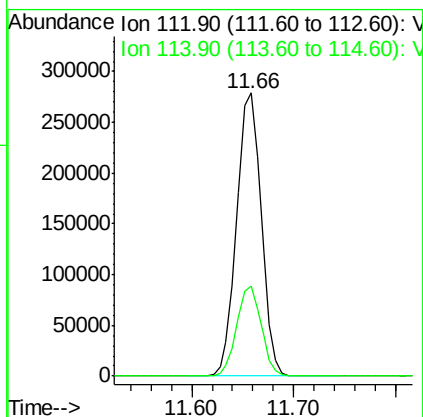
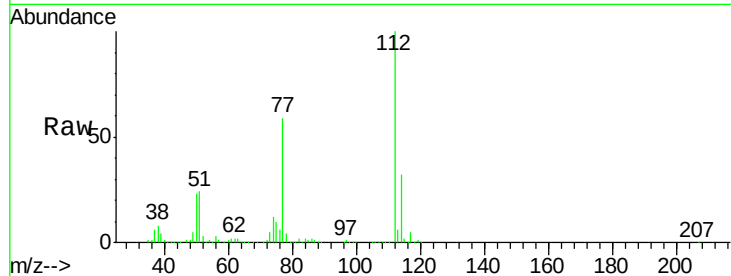
#65
Chlorobenzene
Concen: 47.931 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4

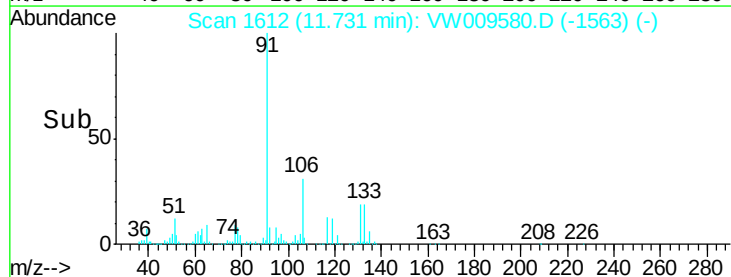
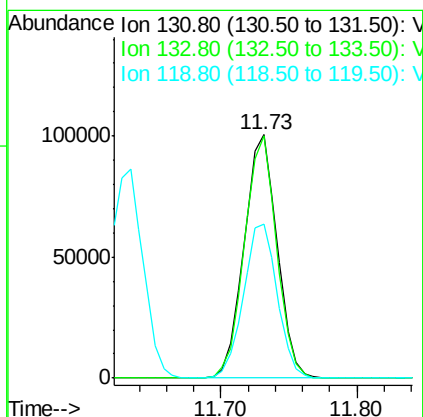
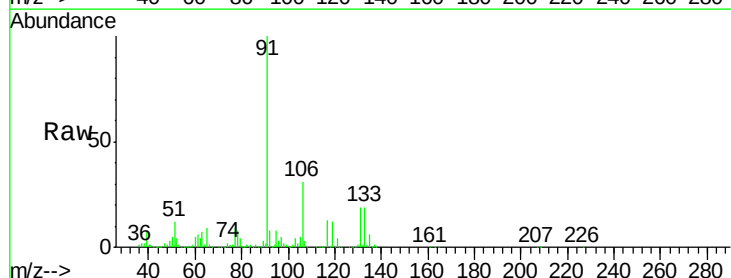
Manual Integrations
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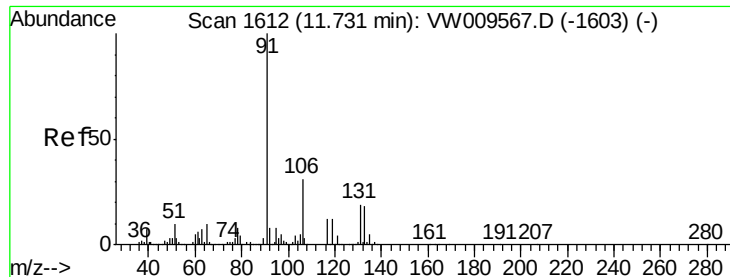
MMDadoda
4/1/2019 4:04:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.381 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.3	141.8
119	64.5	31.6	95.0





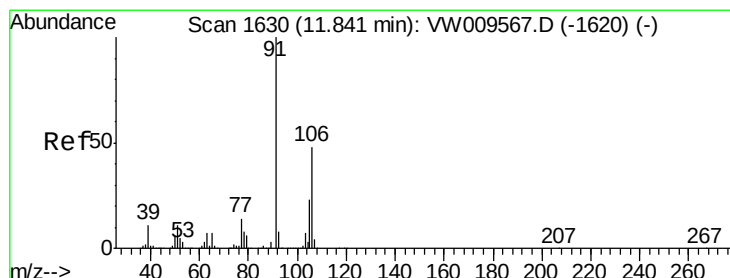
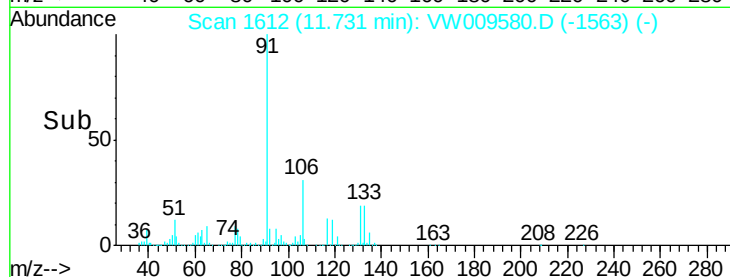
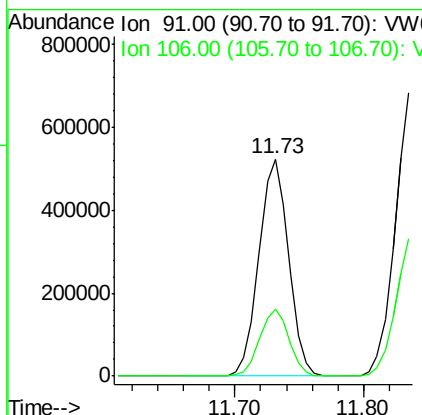
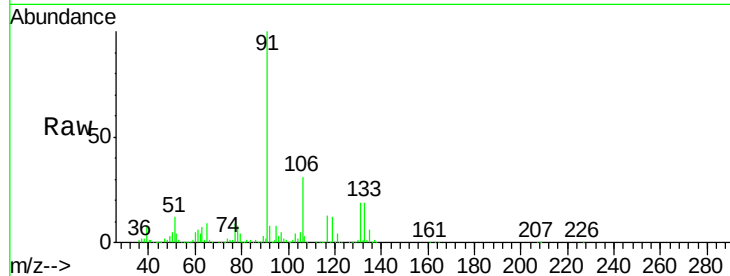
#67
Ethyl Benzene
Concen: 48.560 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.6	36.8

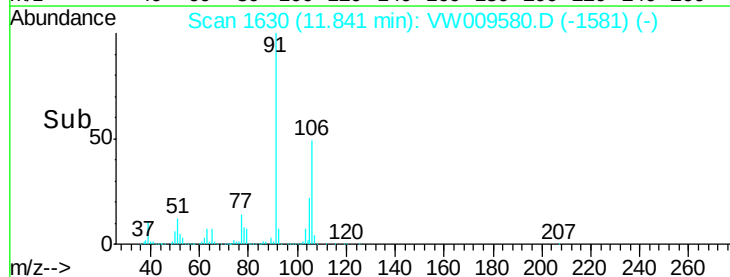
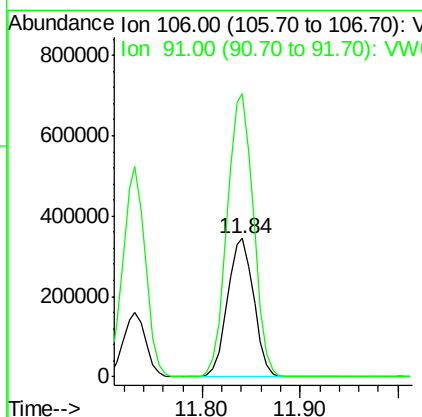
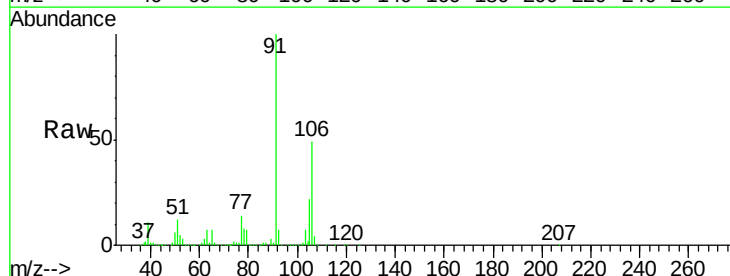
Manual Integrations
APPROVED

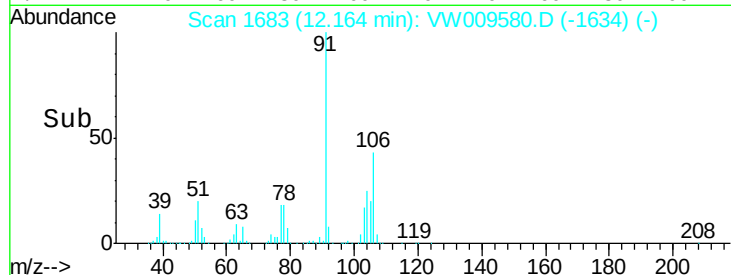
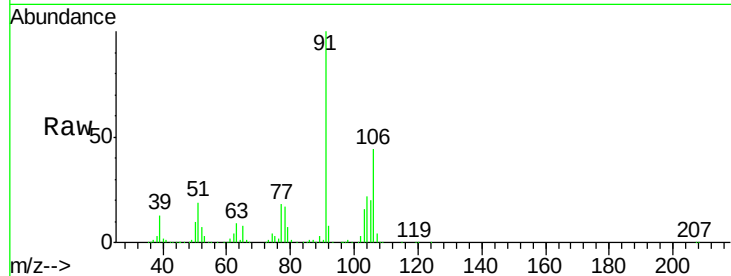
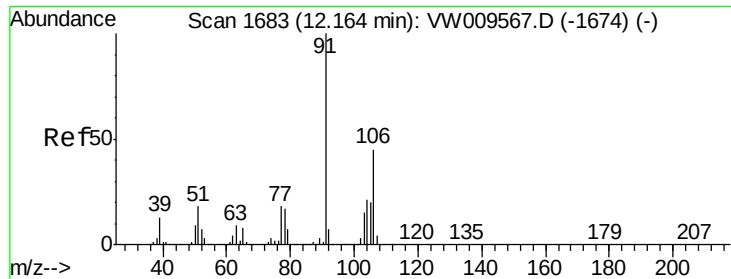
MMDadoda
4/1/2019 4:04:51 AM



#68
m/p-Xylenes
Concen: 98.212 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.8	163.1	244.7





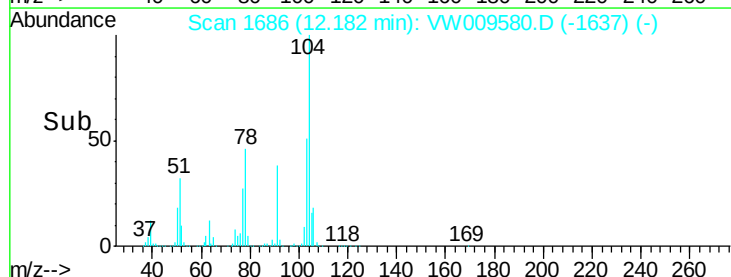
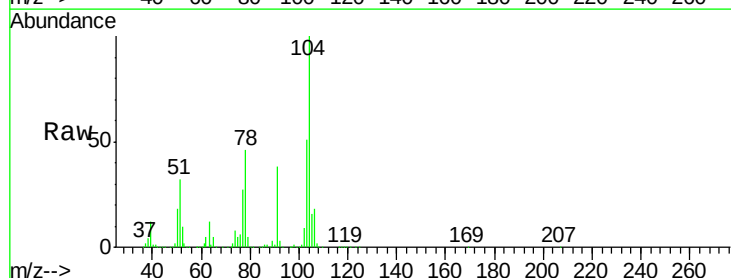
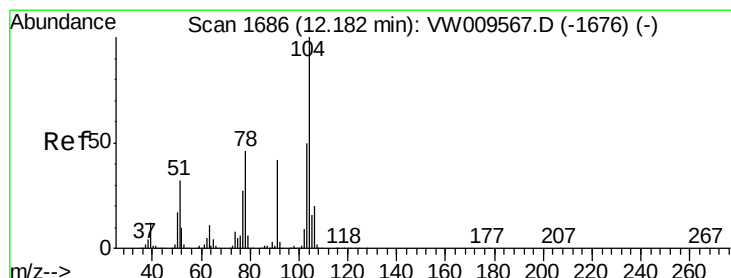
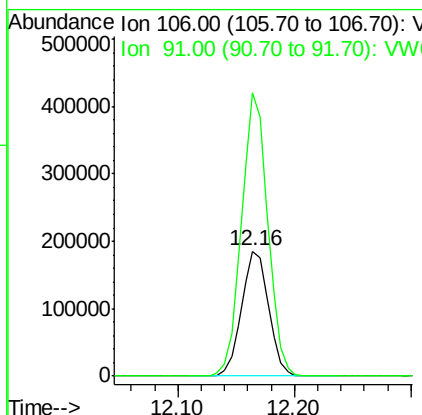
#69
o-Xylene
Concen: 49.783 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tot Ion:106 Resp: 300664
Ion Ratio Lower Upper
106 100
91 219.7 108.6 325.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

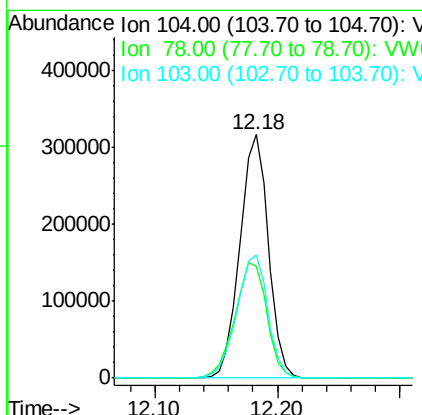
Manual Integrations
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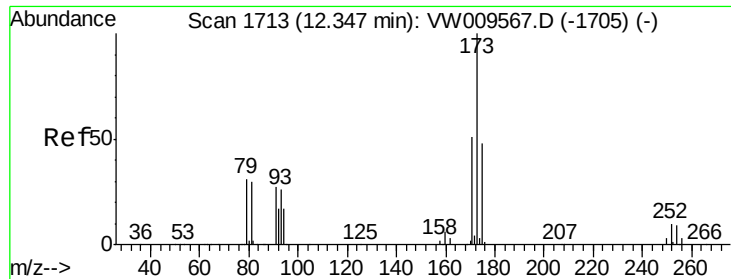
MMDadoda
4/1/2019 4:04:51 AM



#70
Styrene
Concen: 50.592 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion:104 Resp: 510367
Ion Ratio Lower Upper
104 100
78 53.1 42.2 63.4
103 55.1 44.6 66.8





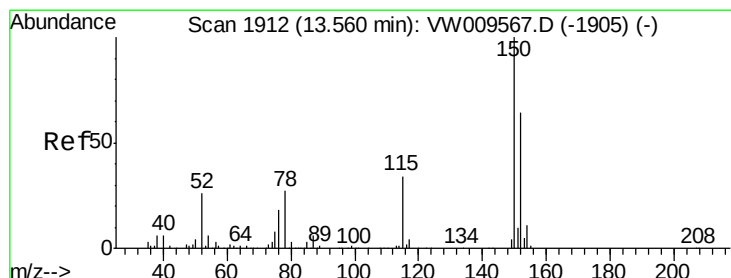
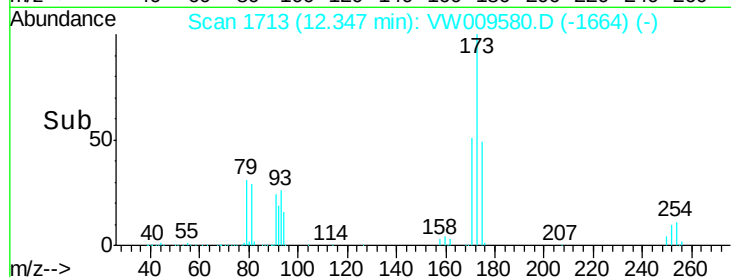
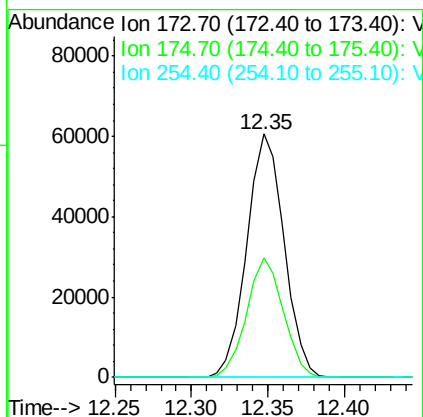
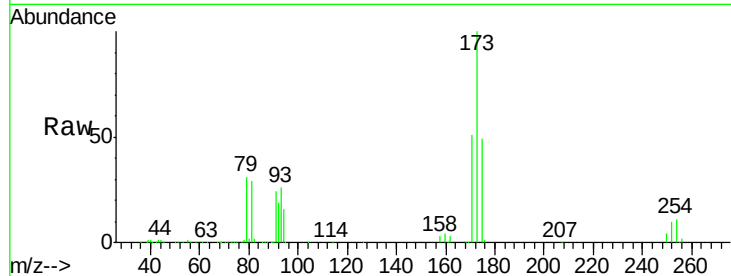
#71
Bromoform
Concen: 54.036 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.4
254	0.1	0.2	0.4

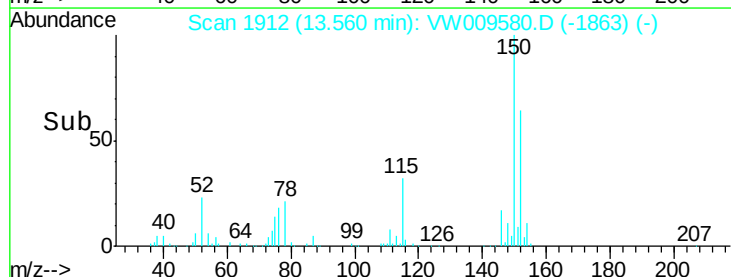
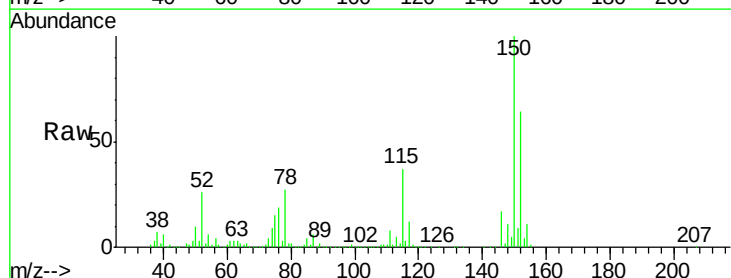
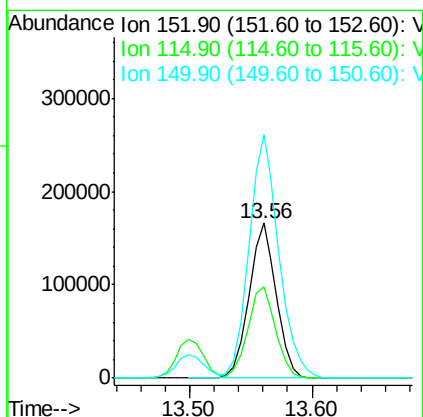
Manual Integrations
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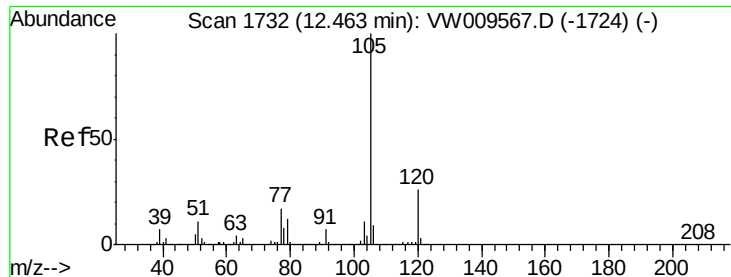
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4/1/2019 4:04:51 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.6	88.8
150	172.4	0.0	349.2





#73

Isopropylbenzene

Concen: 47.914 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 851449

Ion Ratio Lower Upper

105 100

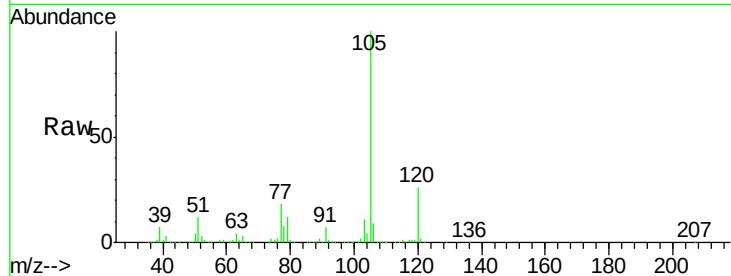
120 26.1 13.0 39.0

Manual Integrations

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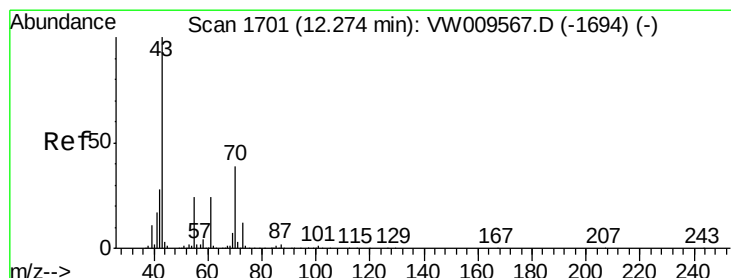
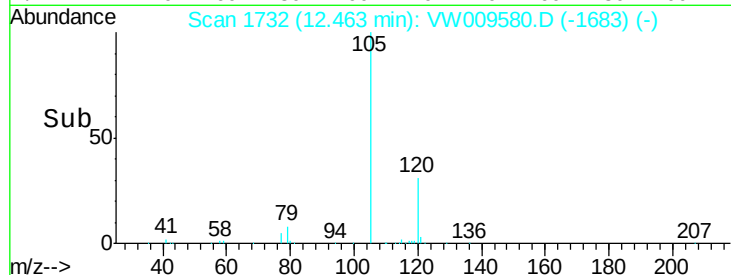
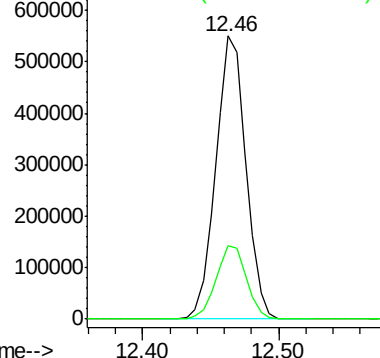
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.529 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion: 43 Resp: 260141

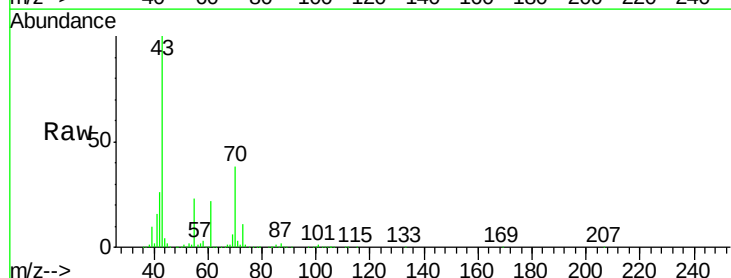
Ion Ratio Lower Upper

43 100

70 38.0 30.6 46.0

55 24.0 19.3 28.9

61 21.7 17.0 25.4

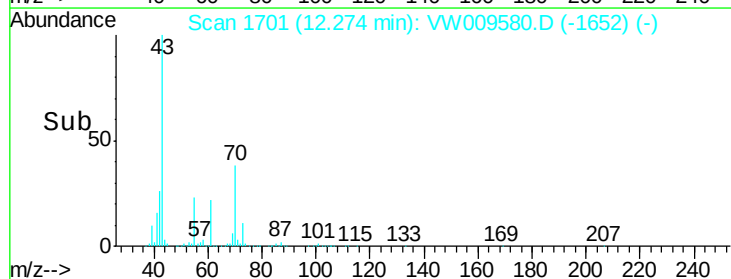
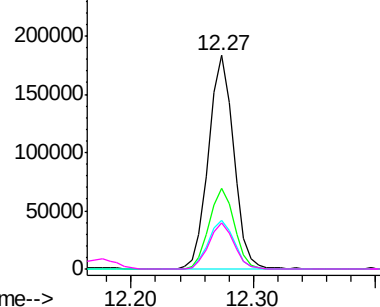


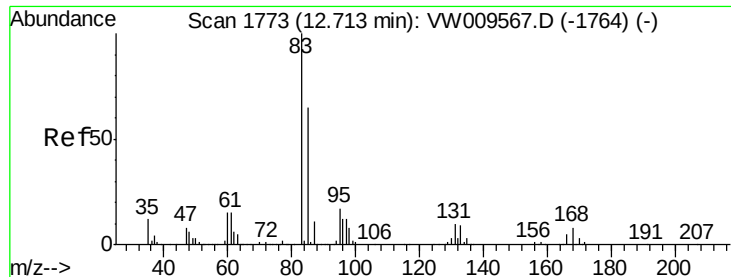
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.793 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 177418

Ion Ratio Lower Upper

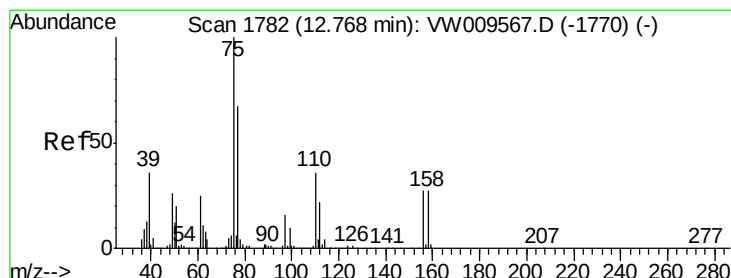
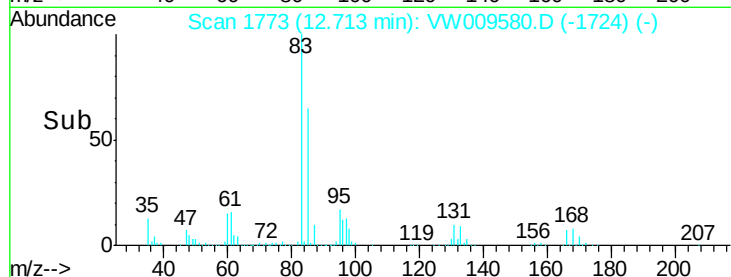
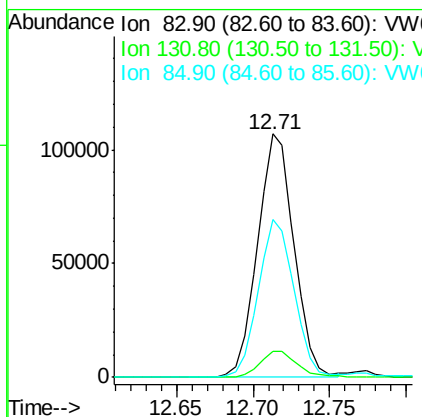
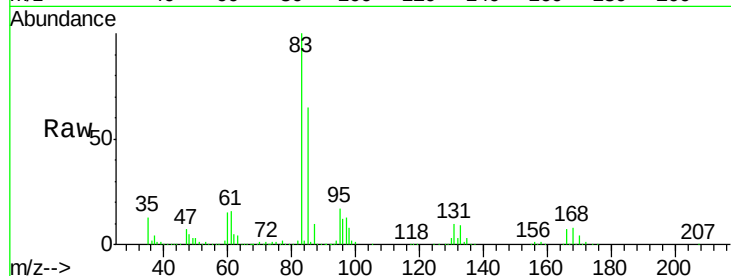
83 100

131 11.2 5.3 16.1

85 64.1 32.6 97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.999 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009580.D

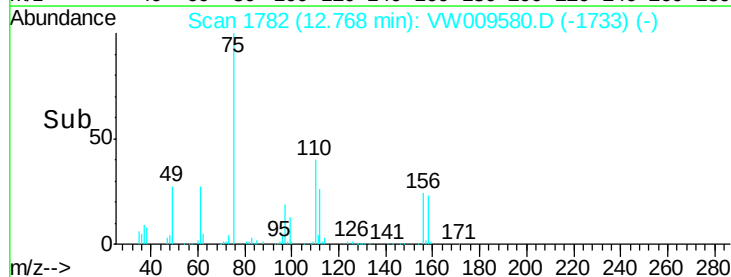
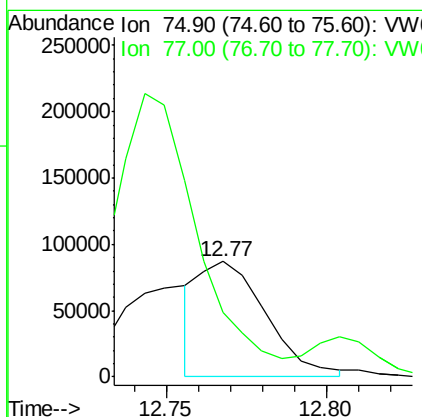
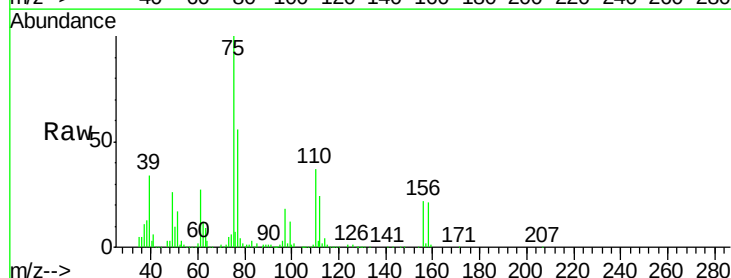
Acq: 29 Mar 2019 19:35

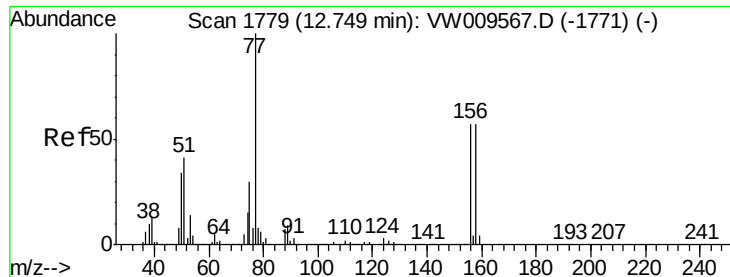
Tgt Ion: 75 Resp: 127266

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.137 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

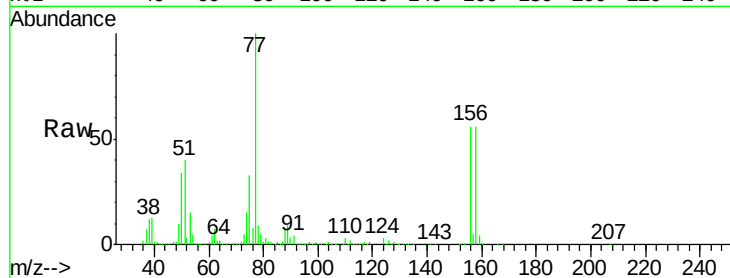
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	196992
Ion Ratio	Lower	Upper	
156	100		
77	199.7	96.0	288.0
158	96.0	49.1	147.3

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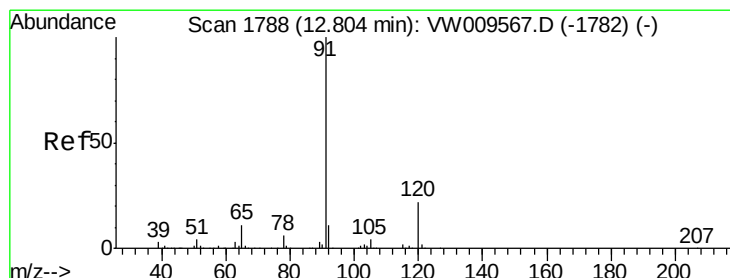
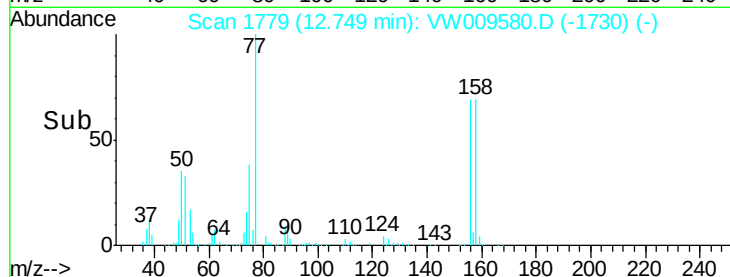
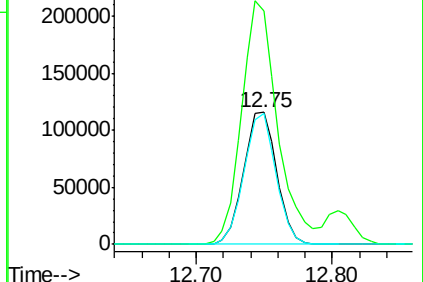
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.792 ug/l

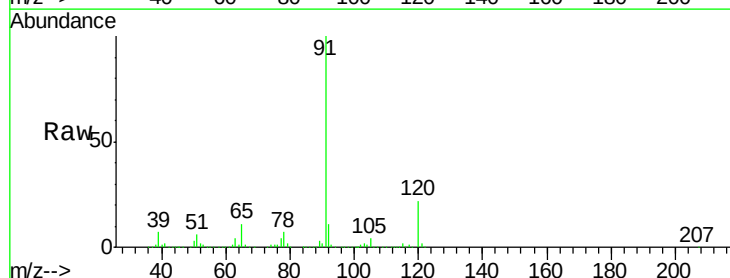
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009580.D

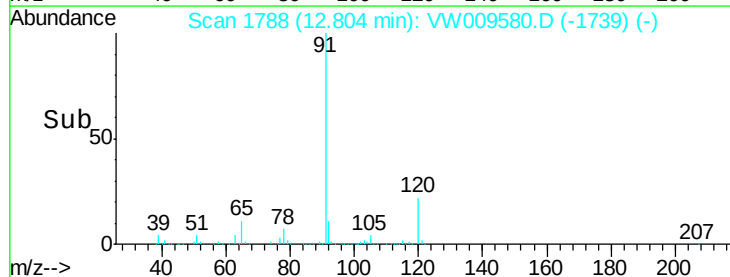
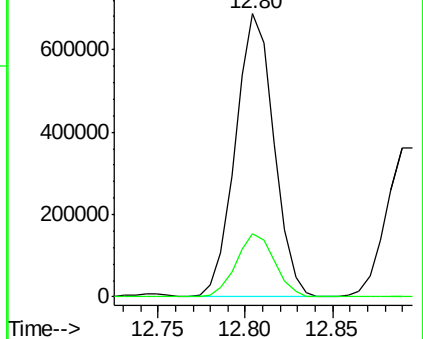
Acq: 29 Mar 2019 19:35

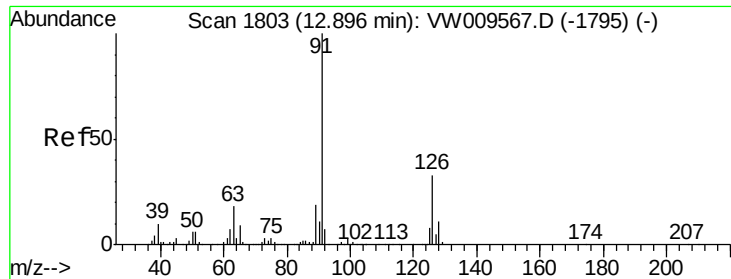
Tgt Ion:	91	Resp:	1047277
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





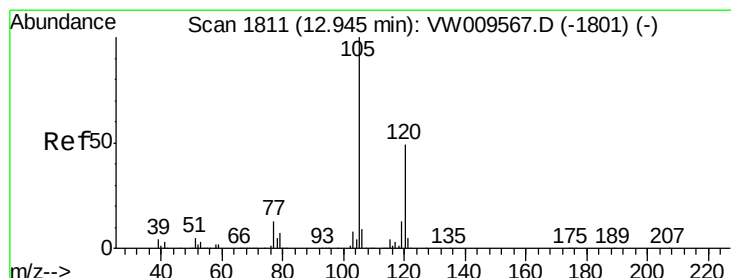
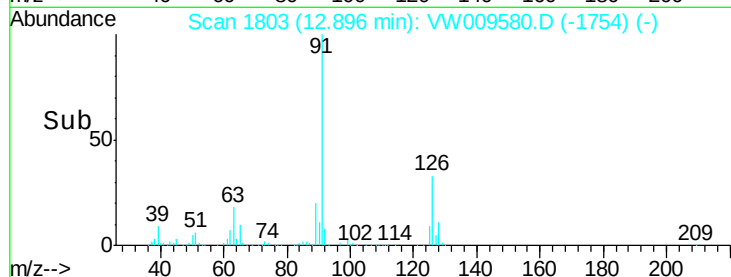
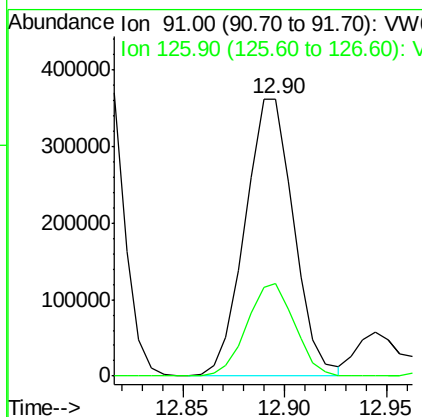
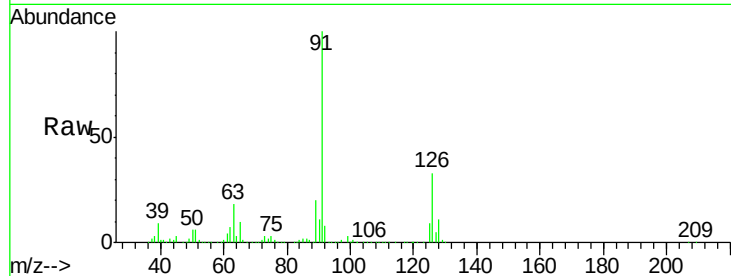
#79
 2-Chlorotoluene
 Concen: 48.365 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 602306
 Ion Ratio Lower Upper
 91 100
 126 32.8 17.0 51.0

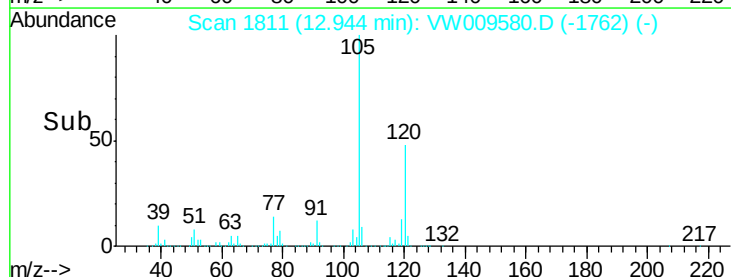
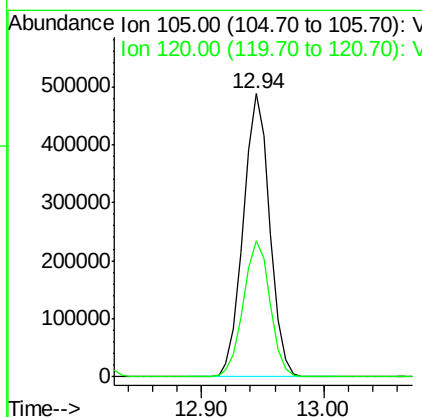
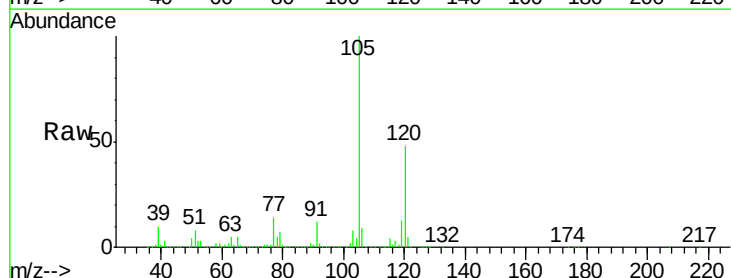
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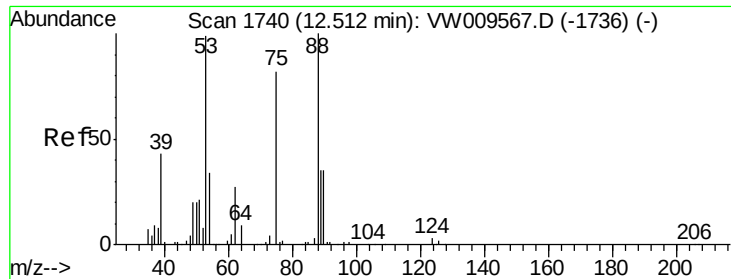
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.775 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion: 105 Resp: 729941
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.6 74.0





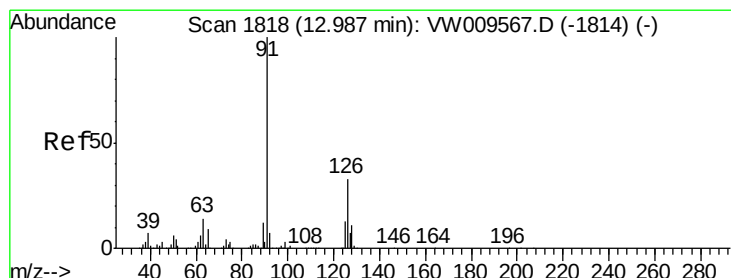
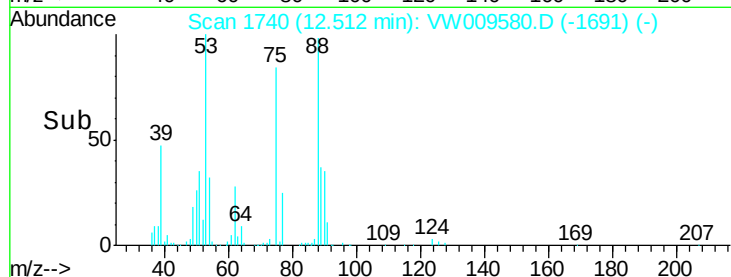
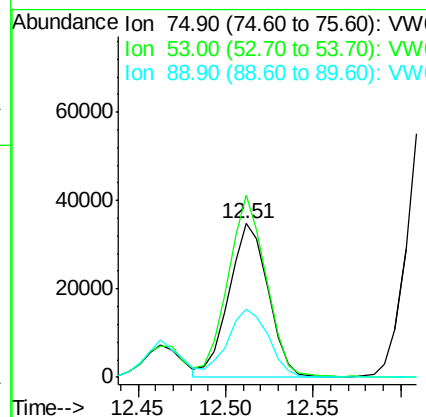
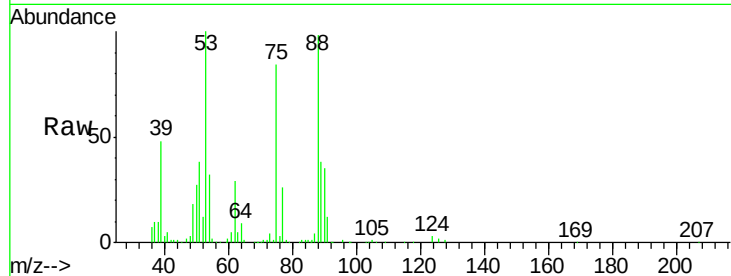
#81
trans-1,4-Dichloro-2-butene
Concen: 52.459 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.1	86.7	130.1
89	45.9	36.4	54.6

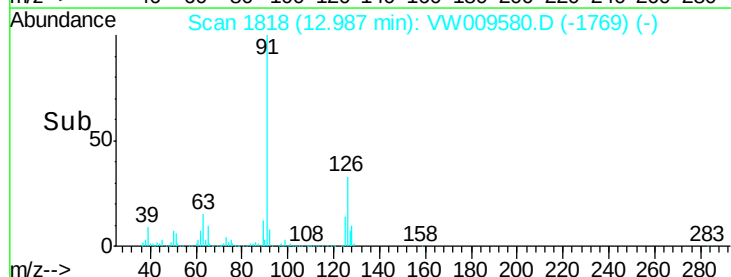
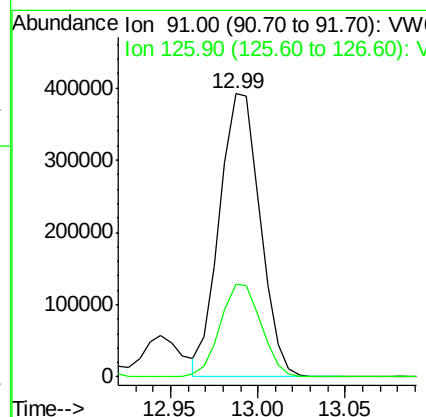
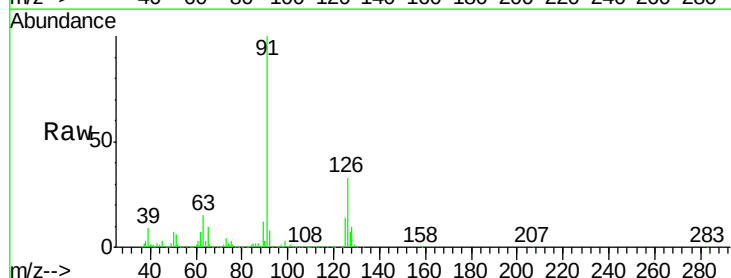
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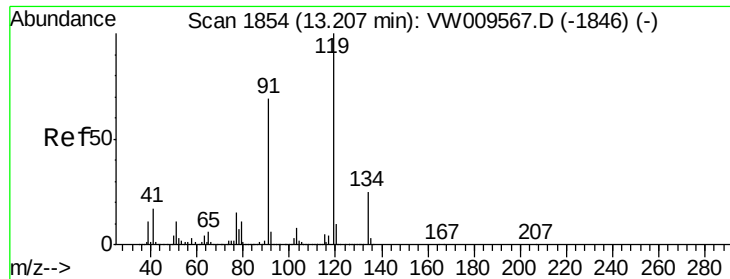
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#82
4-Chlorotoluene
Concen: 48.455 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.9	50.6





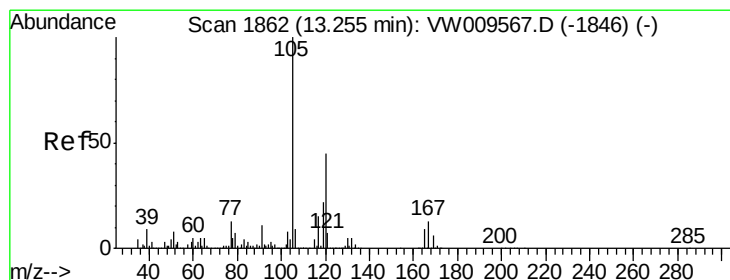
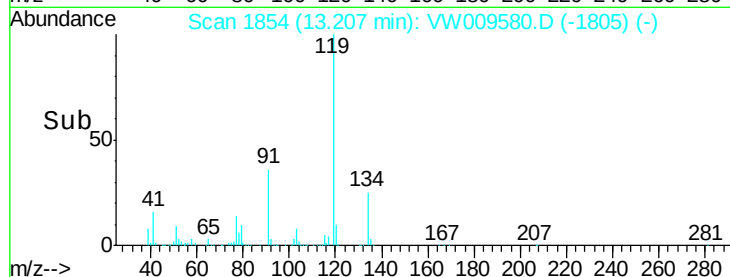
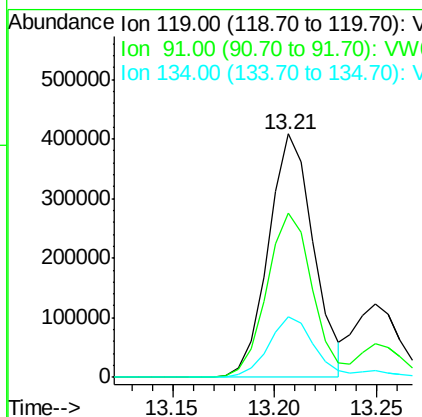
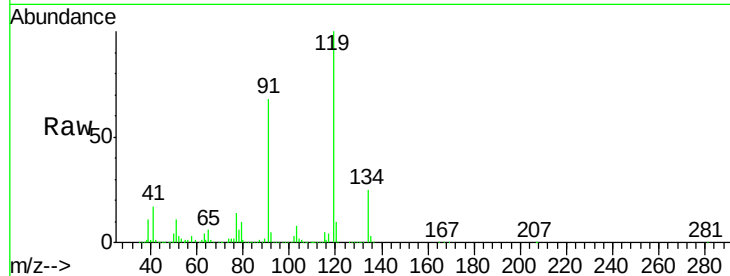
#83
 tert-Butylbenzene
 Concen: 49.565 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.4	103.2
134	25.0	12.7	38.1

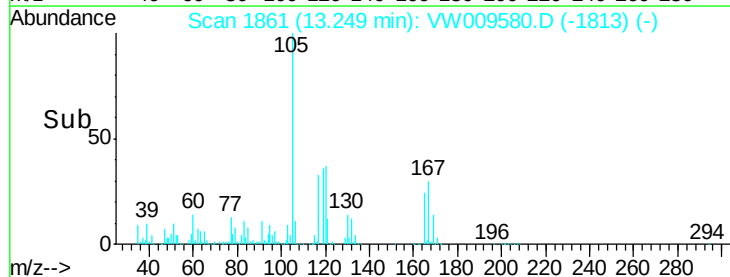
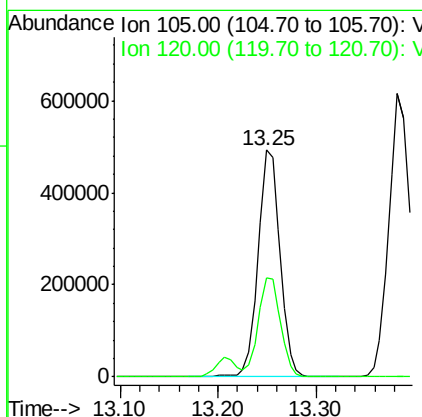
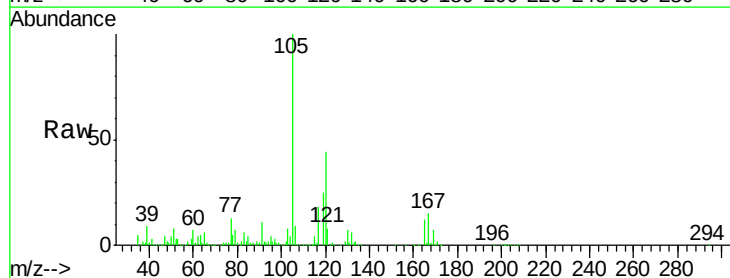
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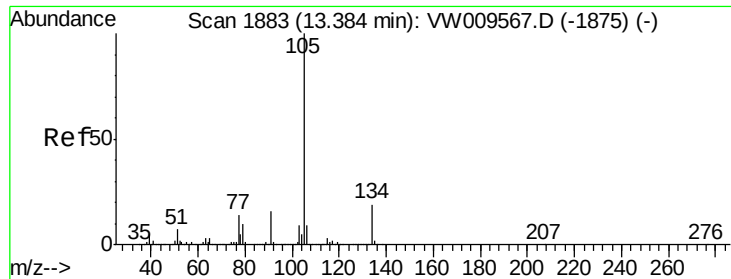
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.728 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.8	68.3





#85

sec-Butylbenzene

Concen: 48.119 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 924846

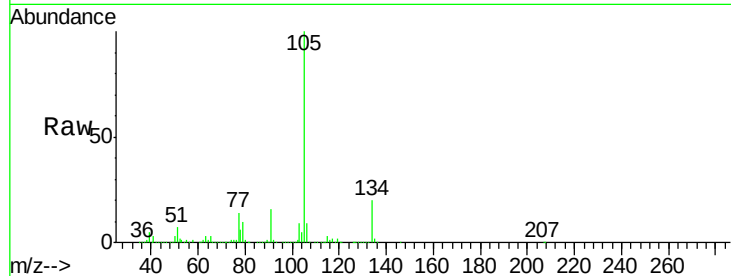
Ion Ratio Lower Upper

105 100

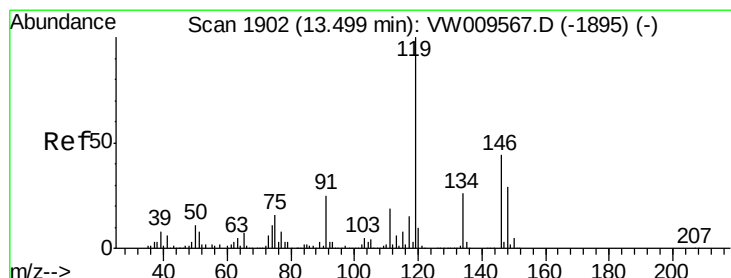
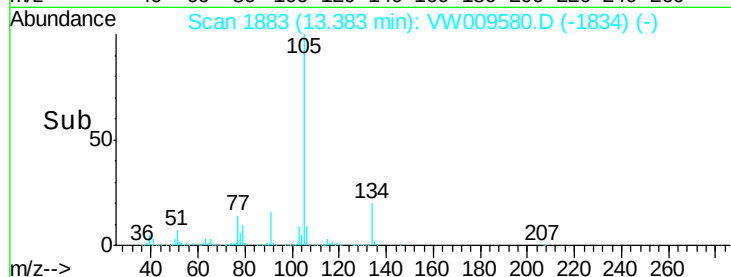
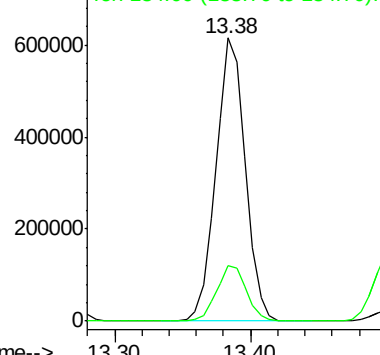
134 19.8 10.2 30.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.987 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

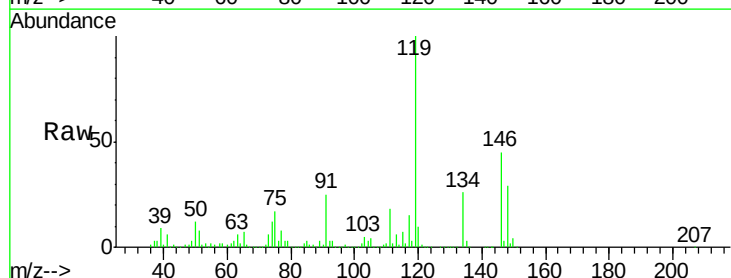
Tgt Ion:119 Resp: 818928

Ion Ratio Lower Upper

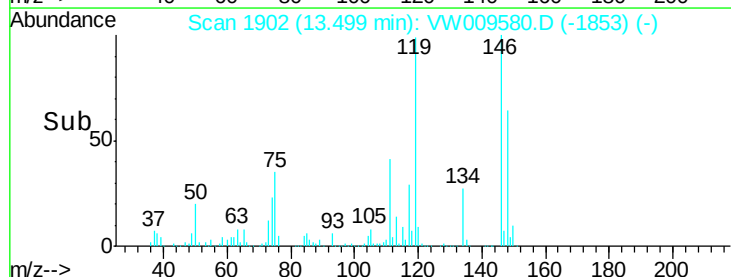
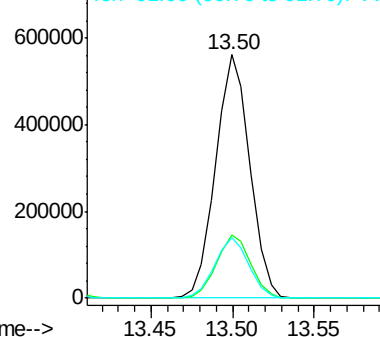
119 100

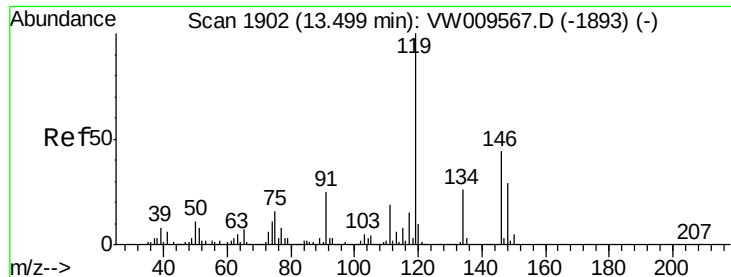
134 25.9 13.1 39.3

91 24.7 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.137 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

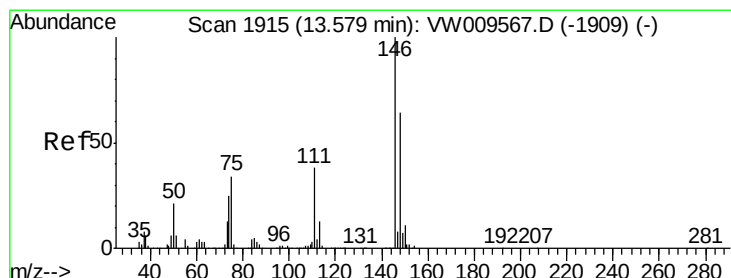
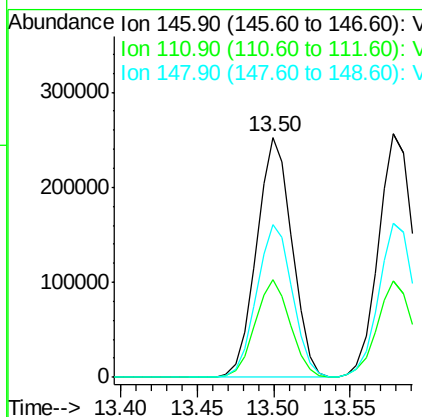
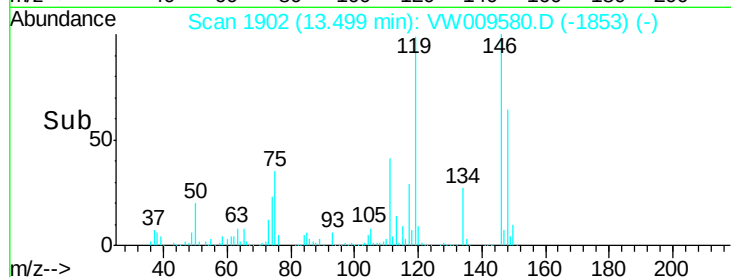
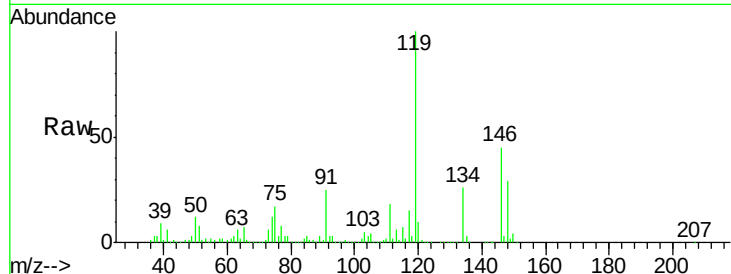
ClientSampled :

VSTDCCC050EC

Tot Ion:	146	Resp:	406739
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.1	60.2
148	64.2	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 48.330 ug/l

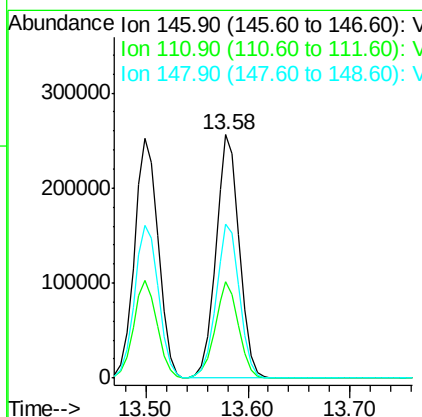
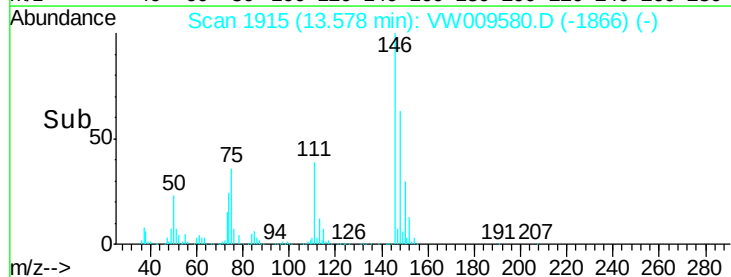
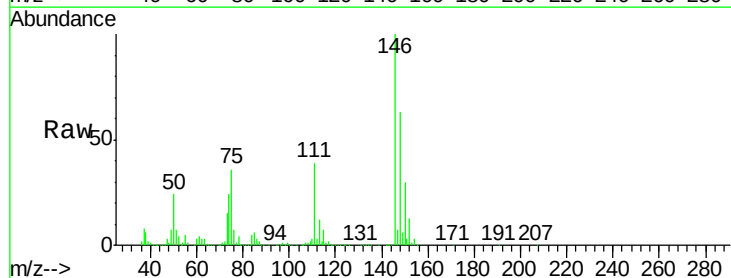
RT: 13.58 min Scan# 1915

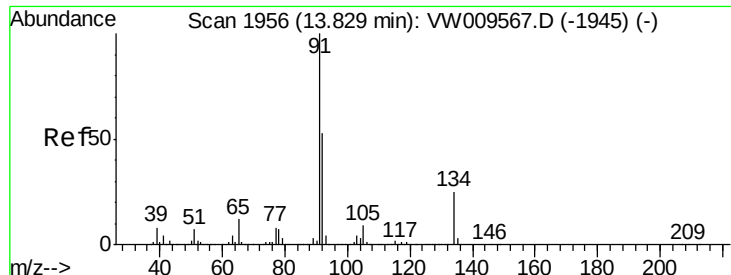
Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion:	146	Resp:	407890
Ion Ratio	Lower	Upper	
146	100		
111	39.7	19.9	59.6
148	63.4	32.2	96.6





#89

n-Butylbenzene

Concen: 48.350 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

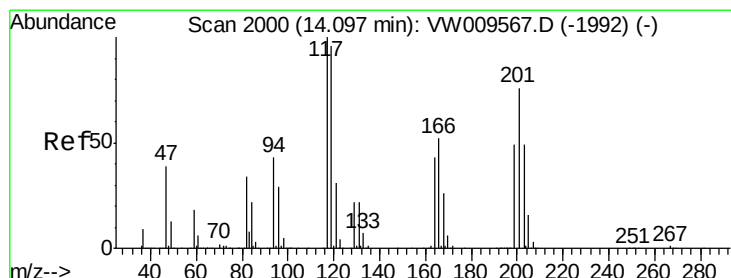
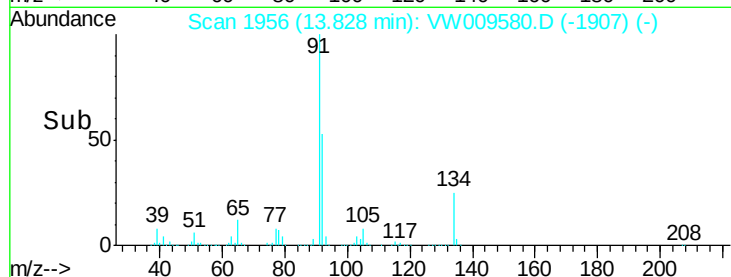
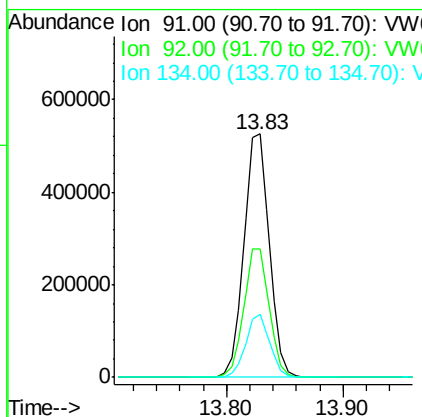
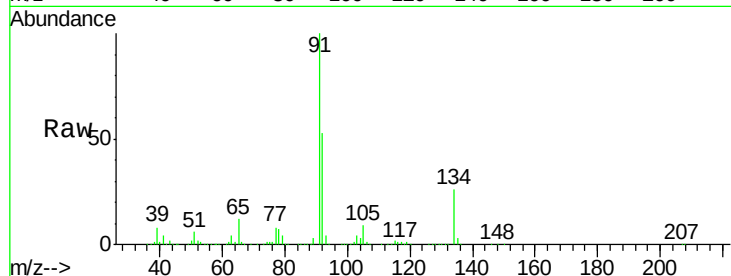
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	797817
Ion Ratio	Lower	Upper	
91	100		
92	52.8	26.4	79.0
134	24.5	12.9	38.6

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#90

Hexachloroethane

Concen: 48.527 ug/l

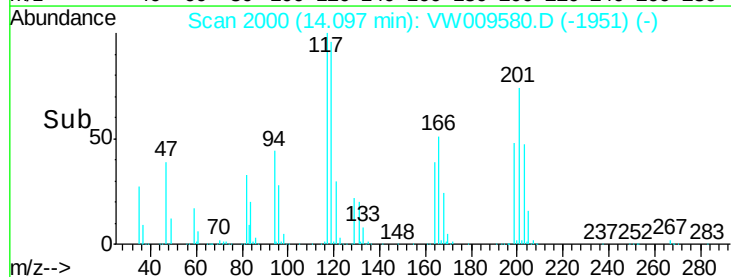
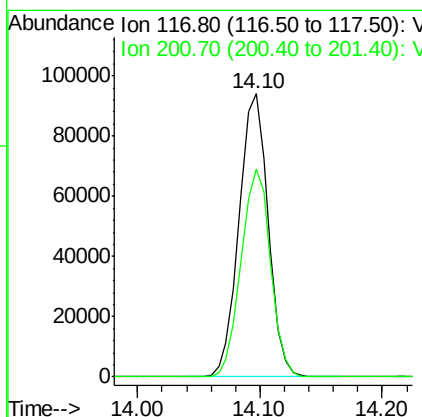
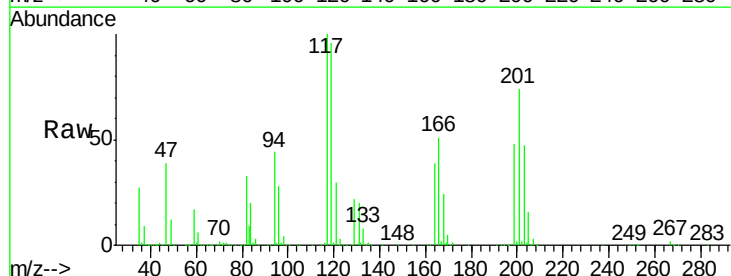
RT: 14.10 min Scan# 2000

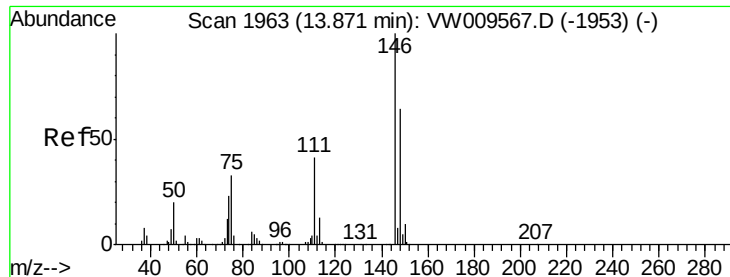
Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion:	117	Resp:	155347
Ion Ratio	Lower	Upper	
117	100		
201	74.1	38.2	114.6





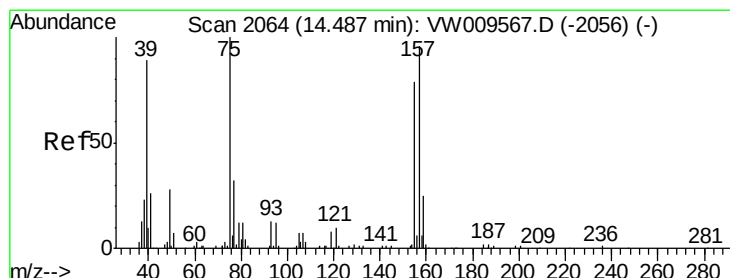
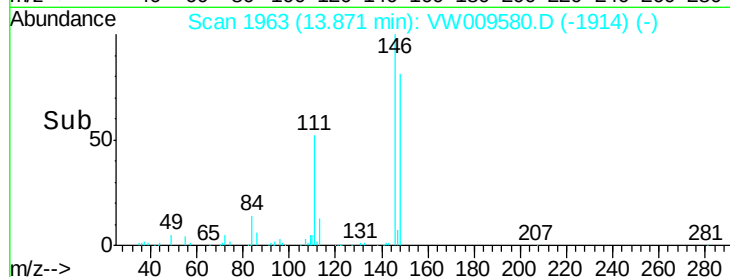
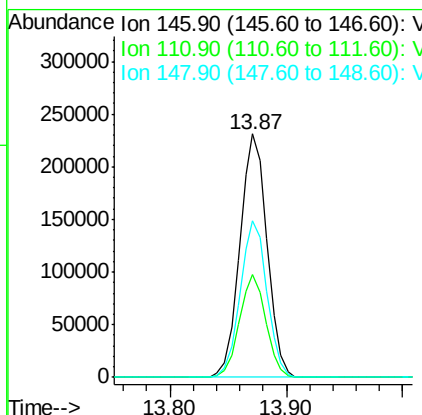
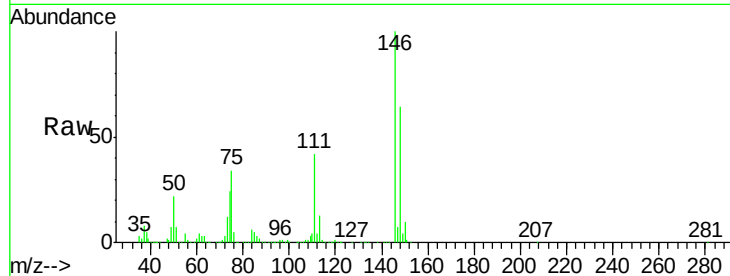
#91
 1,2-Dichlorobenzene
 Concen: 49.598 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.2
148	63.4	31.9	95.9

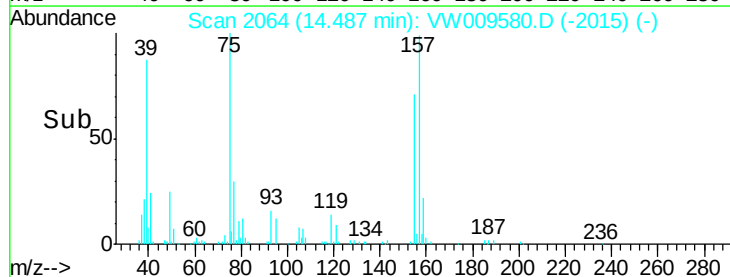
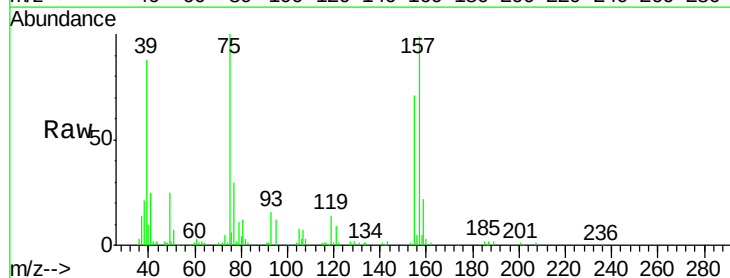
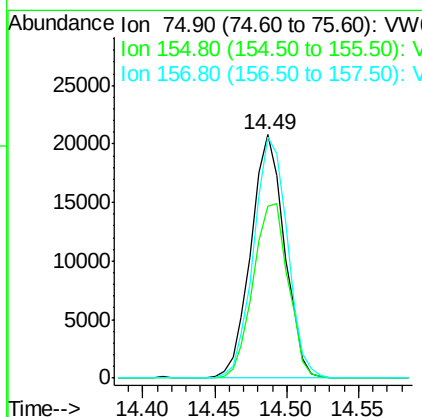
Manual Integrations
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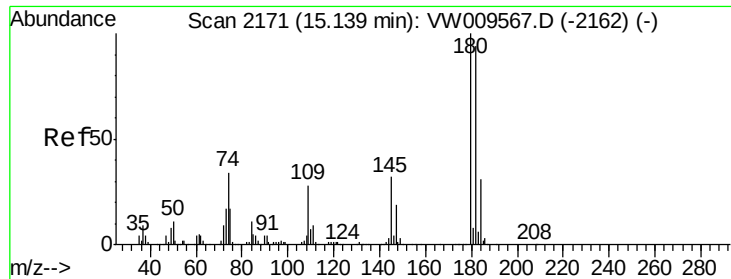
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.647 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009580.D
 Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	39.3	117.8
157	98.9	49.5	148.5





#93

1,2,4-Trichlorobenzene

Concen: 51.367 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Instrument :

MSVOA_W

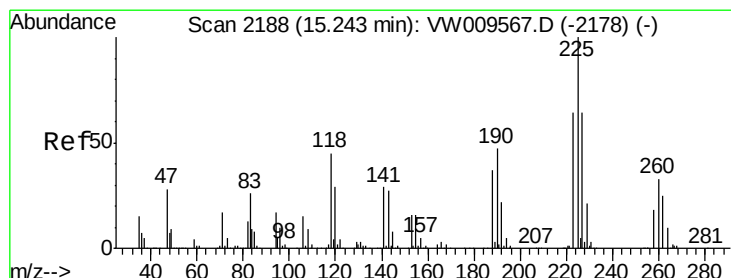
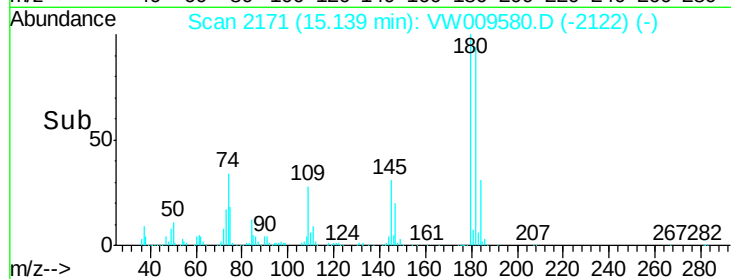
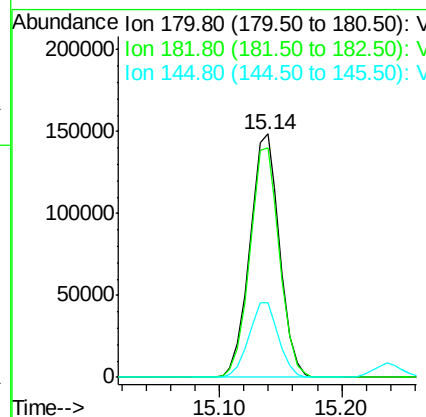
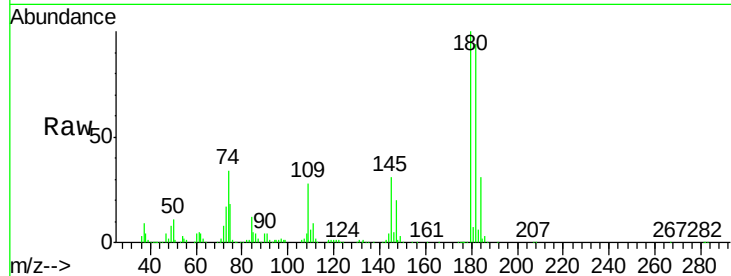
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	249946
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.9	143.7
145	30.8	15.0	45.0

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:51 AM



#94

Hexachlorobutadiene

Concen: 46.086 ug/l

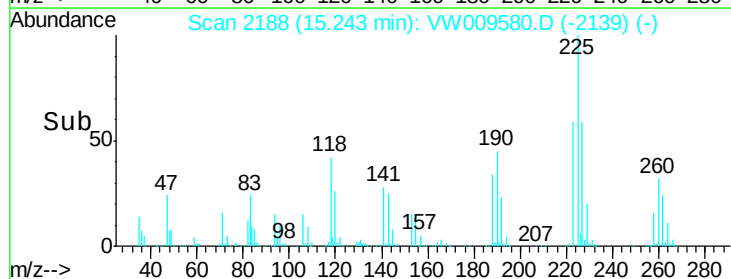
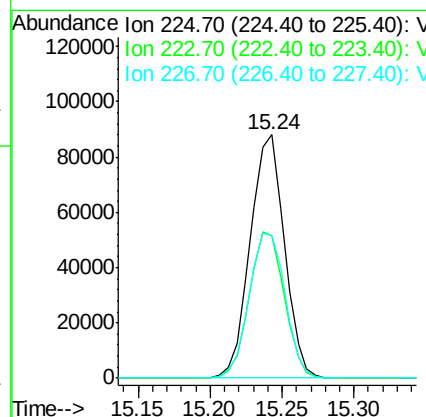
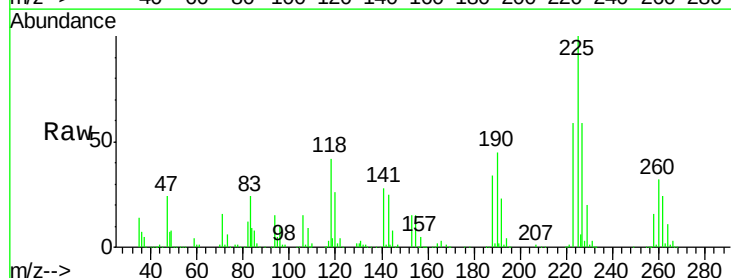
RT: 15.24 min Scan# 2188

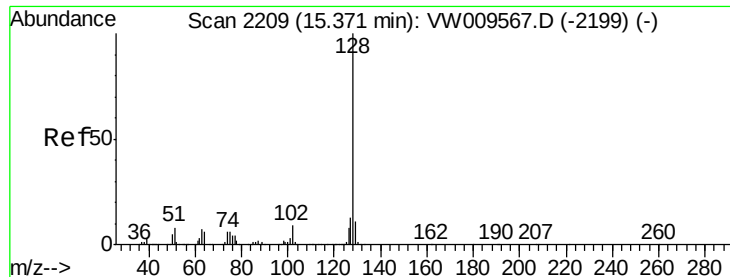
Delta R.T. -0.00 min

Lab File: VW009580.D

Acq: 29 Mar 2019 19:35

Tgt Ion:	225	Resp:	144015
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.4	94.3
227	62.9	32.1	96.5





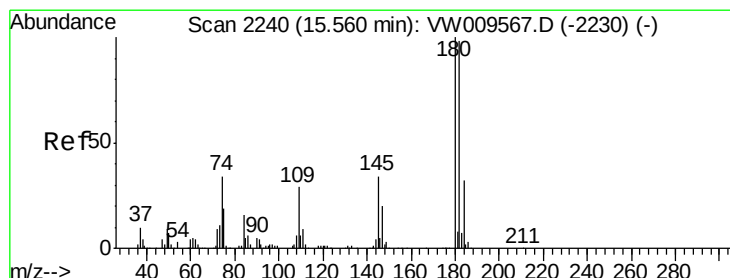
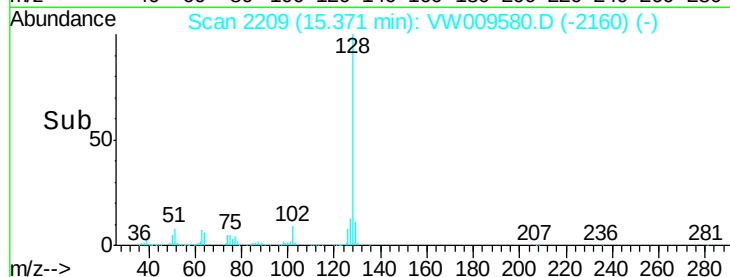
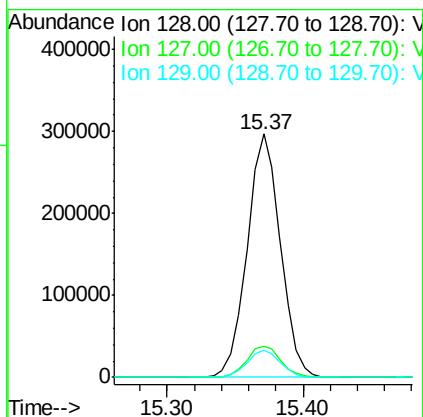
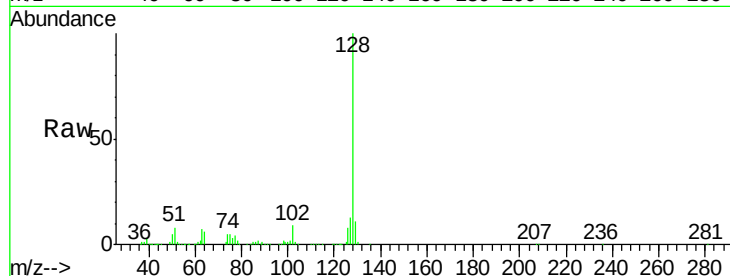
#95
Naphthalene
Concen: 51.216 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	507202		
127	13.4		10.8	16.2
129	11.2		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.547 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009580.D
Acq: 29 Mar 2019 19:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	228444		
182	95.0		47.3	141.9
145	32.4		16.0	48.0

