

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008085.D
 Acq On : 08 Jan 2019 14:45
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:07:32 AM

Quant Time: Jan 09 03:57:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 03:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	84358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	126405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	62196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	4866	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
35) Dibromofluoromethane	7.88	113	4455	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
50) Toluene-d8	10.32	98	18723	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
62) 4-Bromofluorobenzene	12.62	95	7109	5.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	3261	4.377	ug/l	86
3) Chloromethane	2.21	50	4988	8.077	ug/l	99
4) Vinyl Chloride	2.36	62	6367	7.927	ug/l	90
5) Bromomethane	2.79	94	4323	8.280	ug/l	99
6) Chloroethane	2.93	64	4055	9.089	ug/l	89
7) Trichlorofluoromethane	3.26	101	4733	6.118	ug/l	96
8) Diethyl Ether	3.68	74	3075	7.581	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	5168	5.844	ug/l #	73
10) Methyl Iodide	4.26	142	7041	5.006	ug/l	96
11) Tert butyl alcohol	5.25	59	1846m	29.954	ug/l	
12) 1,1-Dichloroethene	4.04	96	5053	5.906	ug/l	82
13) Acrolein	3.89	56	1053	23.109	ug/l	92
14) Allyl chloride	4.67	41	8442	6.871	ug/l	99
15) Acrylonitrile	5.38	53	5049	33.865	ug/l #	60
16) Acetone	4.15	43	5517	36.877	ug/l #	78
17) Carbon Disulfide	4.37	76	15169	5.794	ug/l	99
18) Methyl Acetate	4.68	43	3081	7.518	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	7702	5.714	ug/l #	88
20) Methylene Chloride	4.91	84	6889	6.862	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	5183	5.573	ug/l	94
22) Diisopropyl ether	6.31	45	16516	7.428	ug/l	94
23) Vinyl Acetate	6.26	43	40956	33.347	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	10087	6.426	ug/l	94
25) 2-Butanone	7.18	43	7264	39.752	ug/l	91
26) 2,2-Dichloropropane	7.16	77	6911	5.523	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	5726	5.765	ug/l	99
28) Bromochloromethane	7.51	49	4249	7.963	ug/l	92
29) Tetrahydrofuran	7.54	42	4452	38.316	ug/l	98
30) Chloroform	7.67	83	9011	5.251	ug/l	92
31) Cyclohexane	7.96	56	12066	8.005	ug/l #	89
32) 1,1,1-Trichloroethane	7.88	97	7991	4.955	ug/l	99
36) 1,1-Dichloropropene	8.08	75	8229	5.780	ug/l	98
37) Ethyl Acetate	7.25	43	3305	7.279	ug/l #	93
38) Carbon Tetrachloride	8.07	117	7046	4.299	ug/l	97

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	10123	5.673	ug/l	94
40) Benzene	8.32	78	20780	5.490	ug/l	92
41) Methacrylonitrile	7.49	41	2209	8.483	ug/l #	71
42) 1,2-Dichloroethane	8.40	62	6084	4.962	ug/l	97
43) Isopropyl Acetate	8.43	43	5828	6.495	ug/l	98
44) Trichloroethene	9.09	130	5421	4.981	ug/l	95
45) 1,2-Dichloropropane	9.37	63	5135	6.116	ug/l #	87
46) Dibromomethane	9.46	93	2558	5.392	ug/l	97
47) Bromodichloromethane	9.64	83	6339	4.812	ug/l	91
48) Methyl methacrylate	9.44	41	2604	5.745	ug/l #	90
49) 1,4-Dioxane	9.48	88	882	124.158	ug/l #	68
51) 4-Methyl-2-Pentanone	10.21	43	15340	36.427	ug/l	99
52) Toluene	10.39	92	13609	5.454	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	6204	4.836	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	7633	5.283	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	3446	5.350	ug/l	94
56) Ethyl methacrylate	10.65	69	4058	5.431	ug/l	96
57) 1,3-Dichloropropane	10.93	76	6312	5.644	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	10804	29.613	ug/l	99
59) 2-Hexanone	10.97	43	9877	34.083	ug/l	96
60) Dibromochloromethane	11.13	129	3471	4.029	ug/l	97
61) 1,2-Dibromoethane	11.24	107	3145	4.876	ug/l	93
64) Tetrachloroethene	10.87	164	4757	5.644	ug/l #	86
65) Chlorobenzene	11.66	112	14432	5.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	4636	4.892	ug/l	96
67) Ethyl Benzene	11.73	91	26181	5.524	ug/l	97
68) m/p-Xylenes	11.84	106	20365	11.144	ug/l	94
69) o-Xylene	12.17	106	9129	5.371	ug/l	100
70) Styrene	12.18	104	13454	4.869	ug/l	98
71) Bromoform	12.35	173	1762	4.030	ug/l #	90
73) Isopropylbenzene	12.47	105	25398	5.217	ug/l	97
74) N-amyl acetate	12.28	43	5336	6.588	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	3952	6.153	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	3175m	6.353	ug/l	
77) Bromobenzene	12.75	156	5605	5.403	ug/l	90
78) n-propylbenzene	12.80	91	31512	5.521	ug/l	98
79) 2-Chlorotoluene	12.89	91	17176	5.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	20369	4.895	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1073	5.044	ug/l	86
82) 4-Chlorotoluene	12.99	91	18614	5.347	ug/l	99
83) tert-Butylbenzene	13.21	119	18115	4.957	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	21608	5.102	ug/l	97
85) sec-Butylbenzene	13.39	105	27578	5.436	ug/l	99
86) p-Isopropyltoluene	13.50	119	23586	5.184	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	11235	5.324	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	11004	5.256	ug/l	91
89) n-Butylbenzene	13.83	91	22707	5.401	ug/l	98
90) Hexachloroethane	14.10	117	3954	5.024	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	9533	5.131	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	619	4.898	ug/l	97

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	6282	4.901	ug/l	94
94) Hexachlorobutadiene	15.25	225	3143	4.278	ug/l	93
95) Naphthalene	15.38	128	10665	4.800	ug/l	96
96) 1,2,3-Trichlorobenzene	15.56	180	5100	4.782	ug/l	94

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

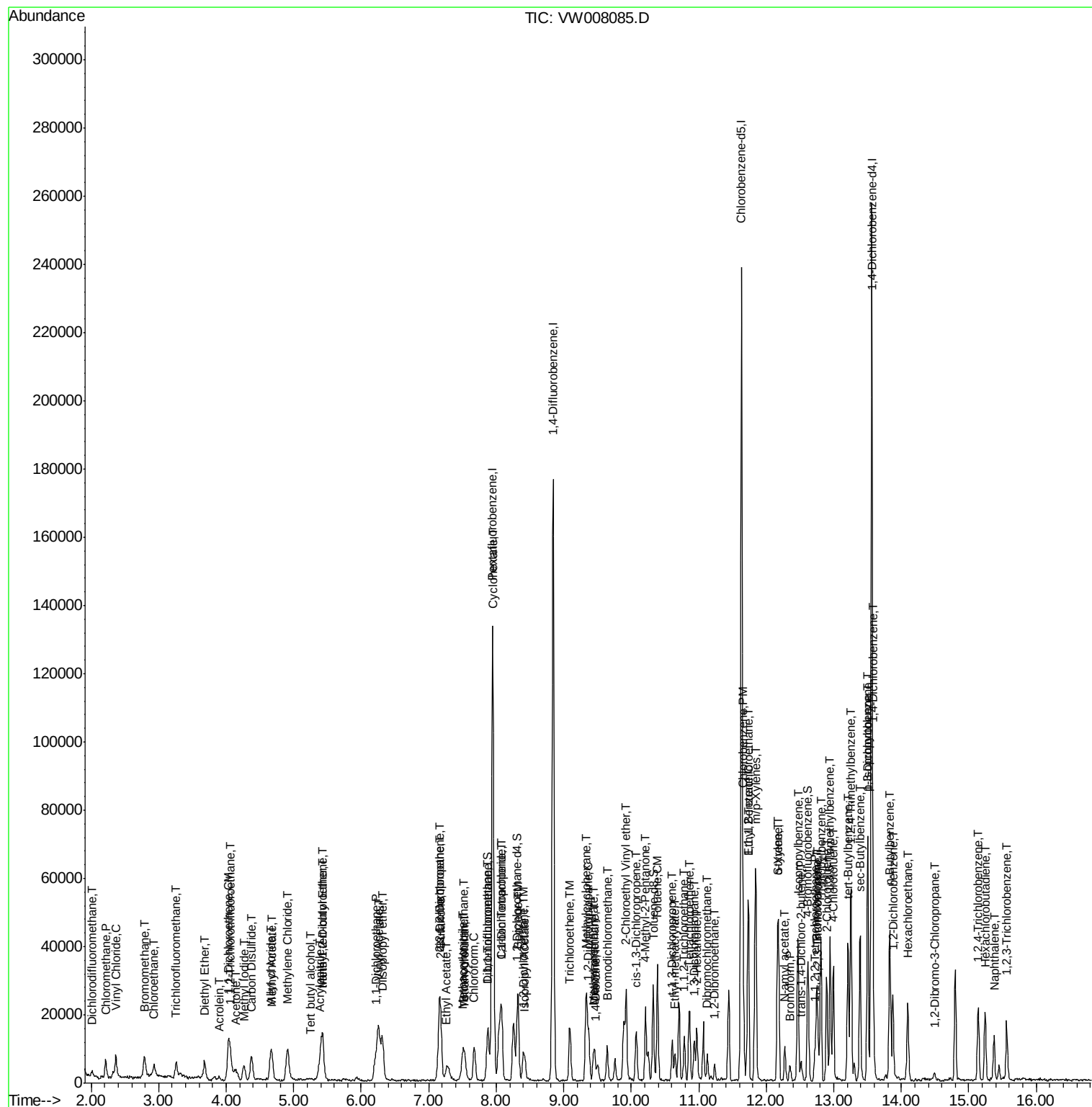
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010819\
Data File : VW008085.D
Acq On : 08 Jan 2019 14:45
Operator : SY/AP
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

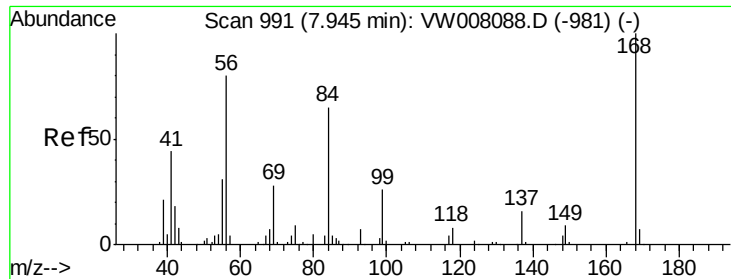
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Manual Integrations
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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: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 84358

Ion Ratio Lower Upper

168 100

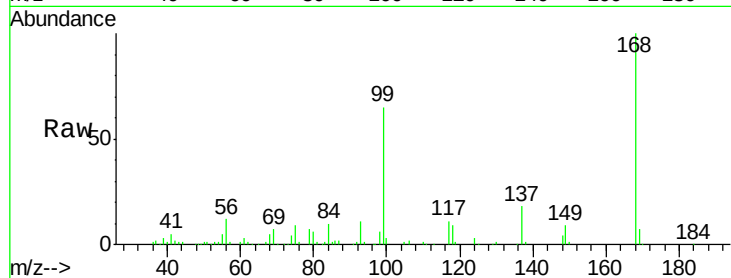
99 64.7 52.6 78.8

Manual Integrations

APPROVED

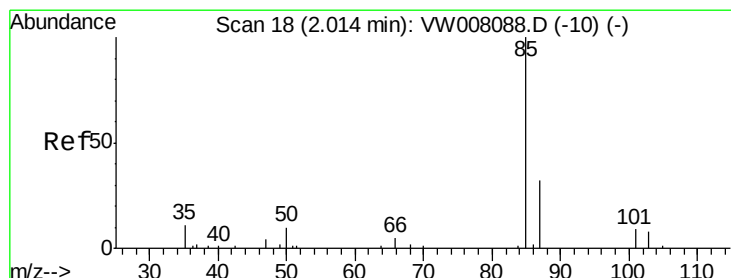
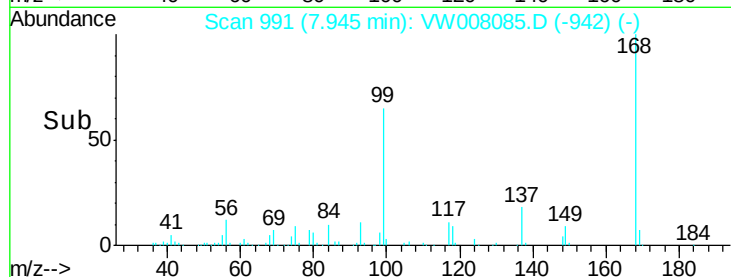
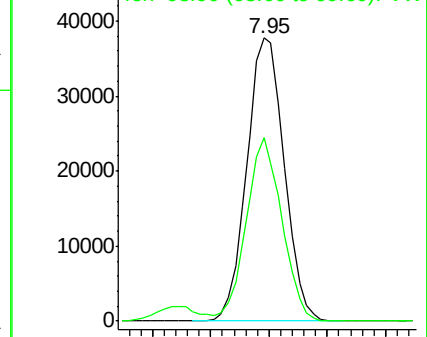
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 4.377 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008085.D

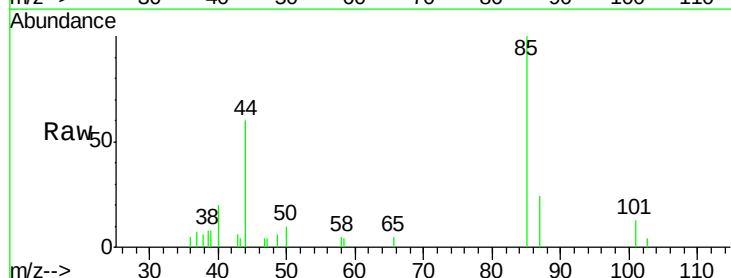
Acq: 08 Jan 2019 14:45

Tgt Ion: 85 Resp: 3261

Ion Ratio Lower Upper

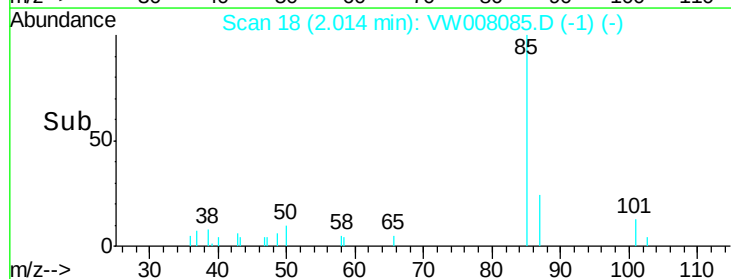
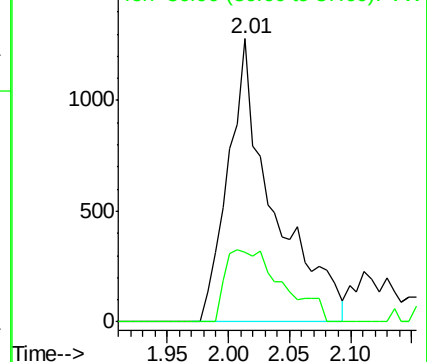
85 100

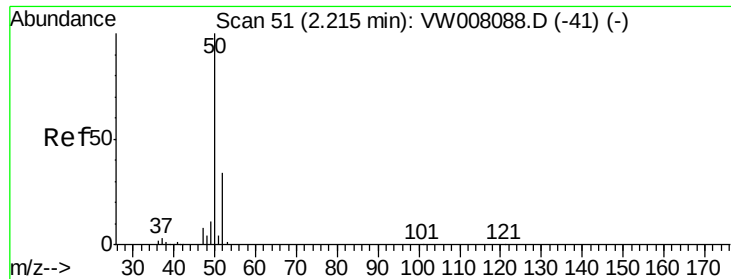
87 24.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 8.077 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 4988

Ion Ratio Lower Upper

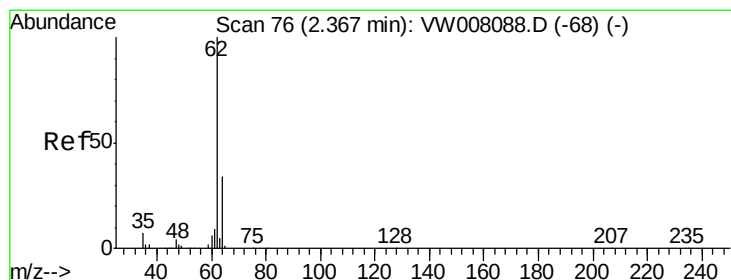
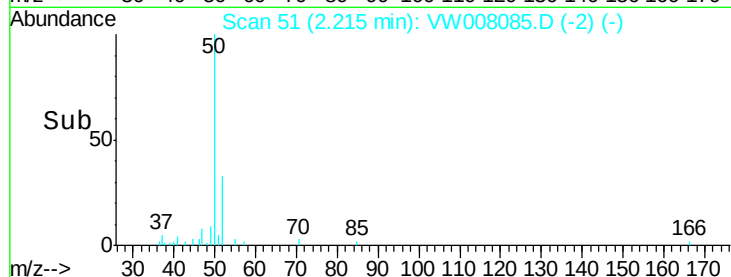
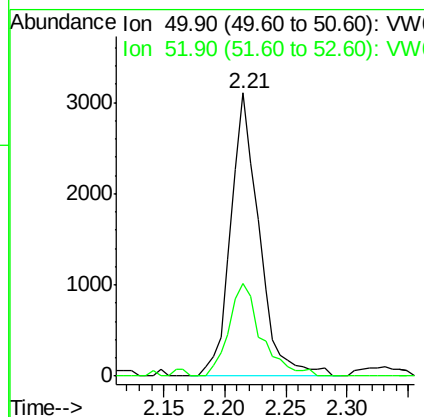
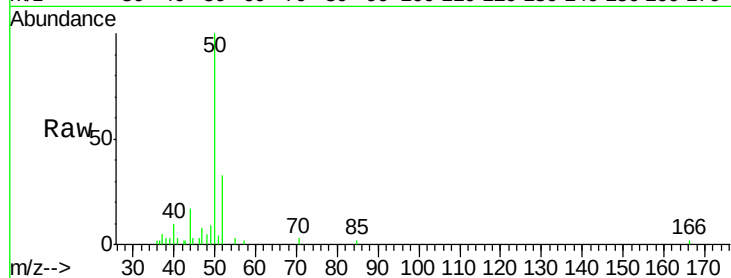
50 100

52 32.7 26.8 40.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 7.927 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008085.D

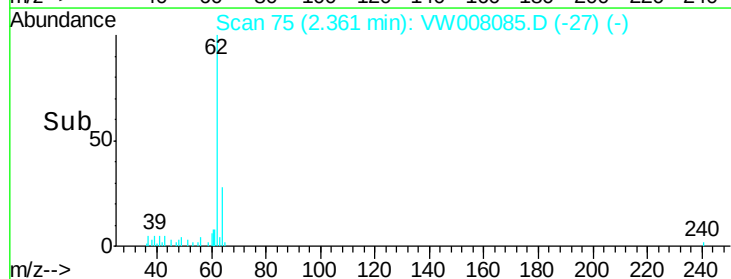
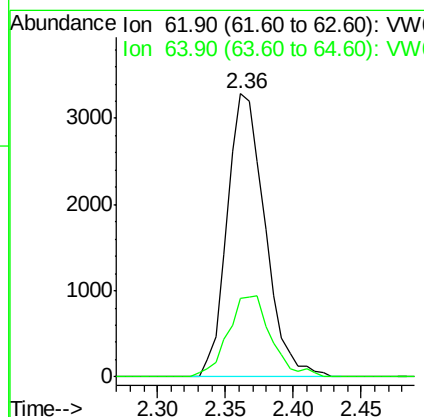
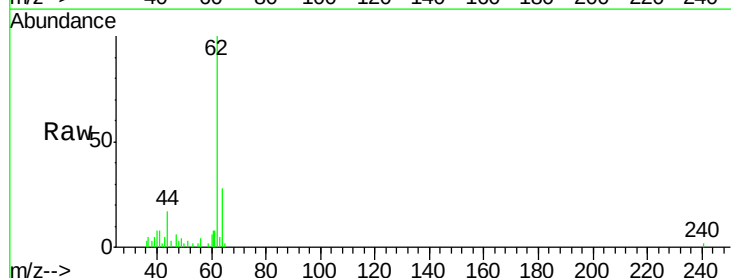
Acq: 08 Jan 2019 14:45

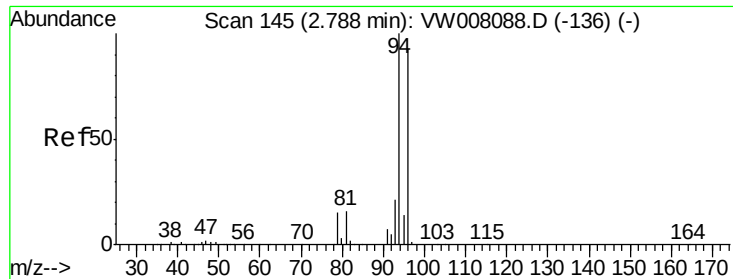
Tgt Ion: 62 Resp: 6367

Ion Ratio Lower Upper

62 100

64 28.0 27.0 40.6





#5

Bromomethane

Concen: 8.280 ug/l

RT: 2.79 min Scan# 146

Delta R.T. 0.01 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 4323

Ion Ratio Lower Upper

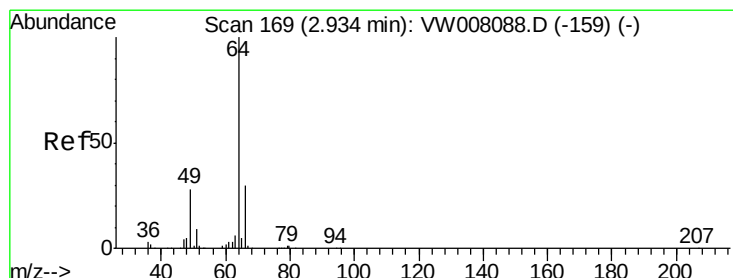
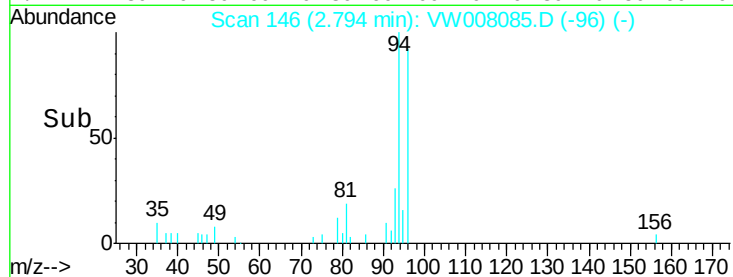
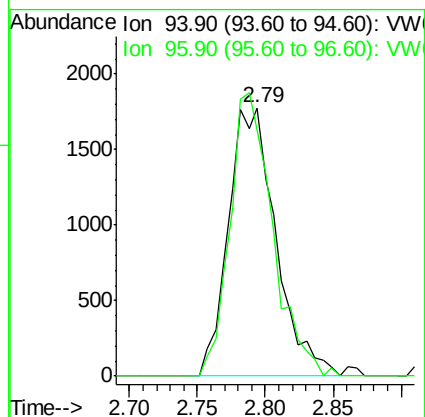
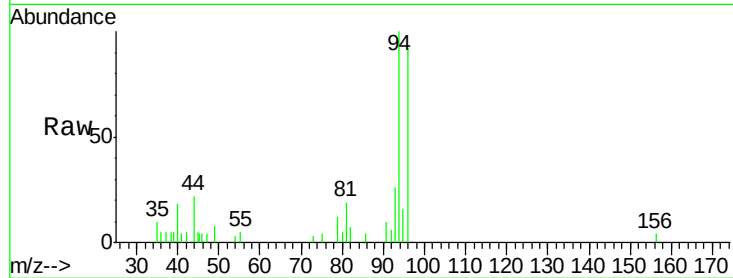
94 100

96 91.7 74.1 111.1

Manual Integrations
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1/9/2019 11:07:32 AM



#6

Chloroethane

Concen: 9.089 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008085.D

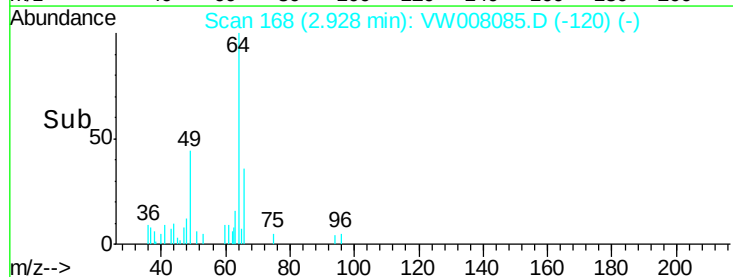
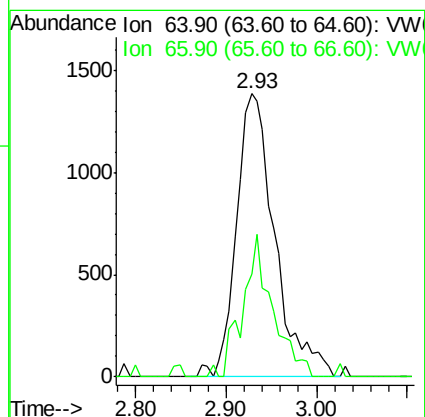
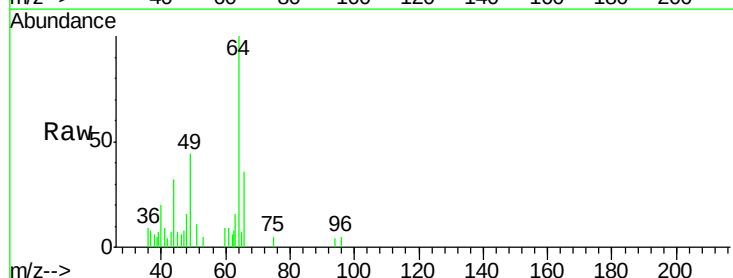
Acq: 08 Jan 2019 14:45

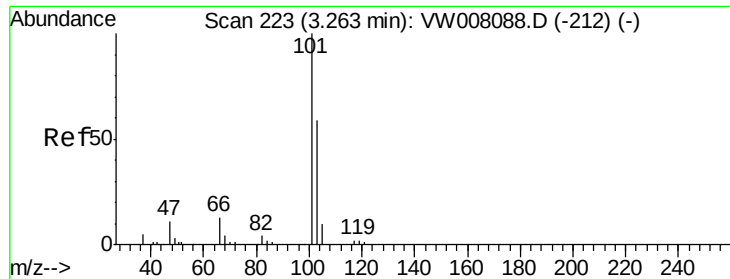
Tgt Ion: 64 Resp: 4055

Ion Ratio Lower Upper

64 100

66 36.2 24.2 36.2





#7

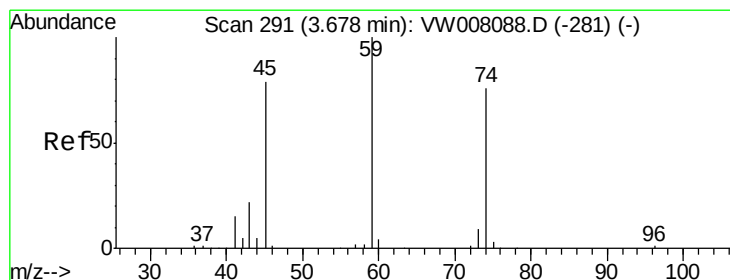
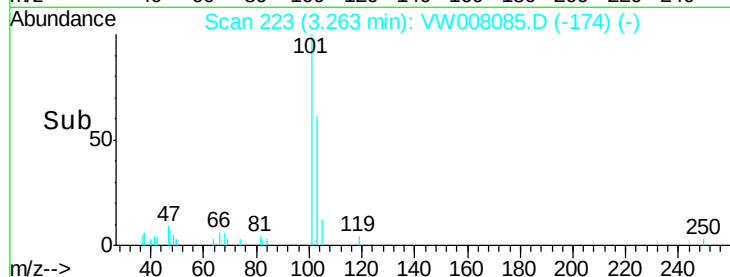
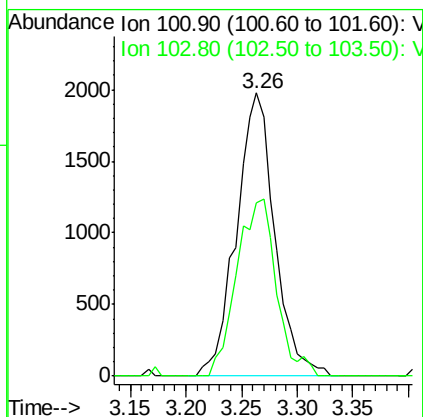
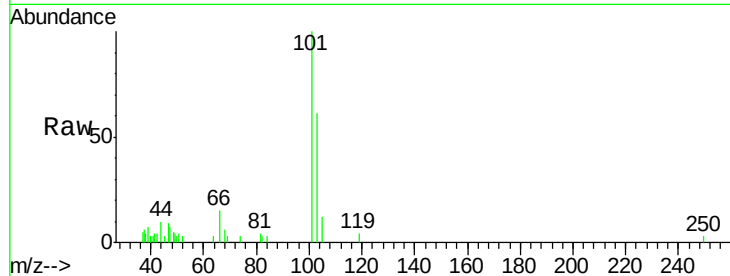
Trichlorofluoromethane
Concen: 6.118 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	47.0	70.6

Manual Integrations
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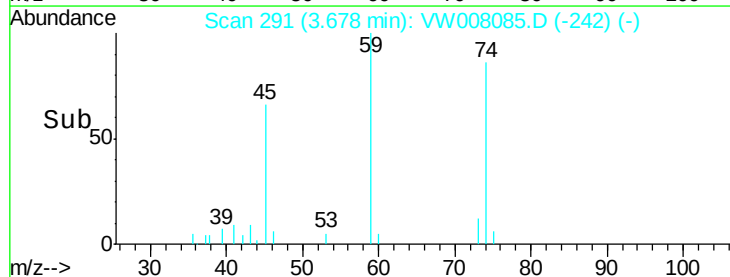
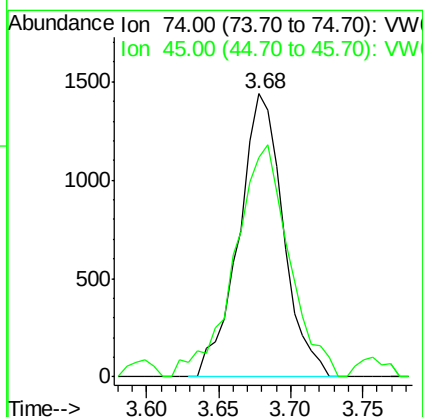
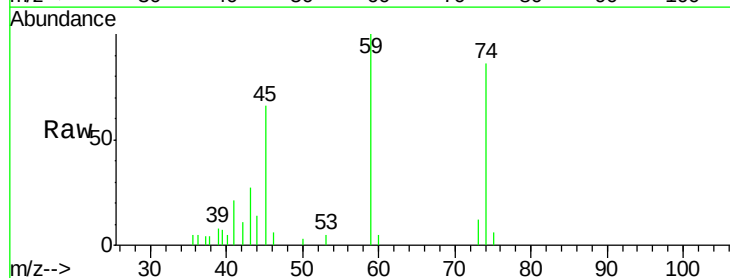
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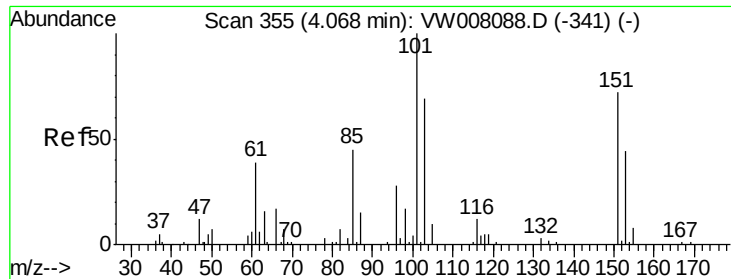


#8

Diethyl Ether
Concen: 7.581 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.844 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

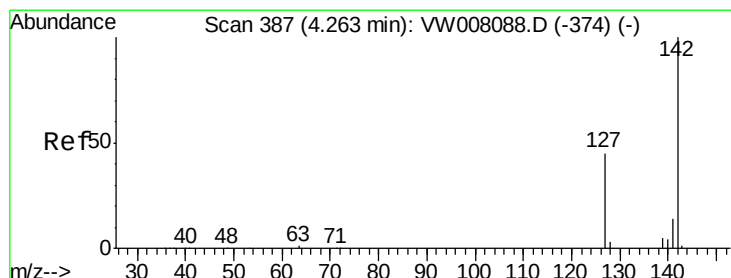
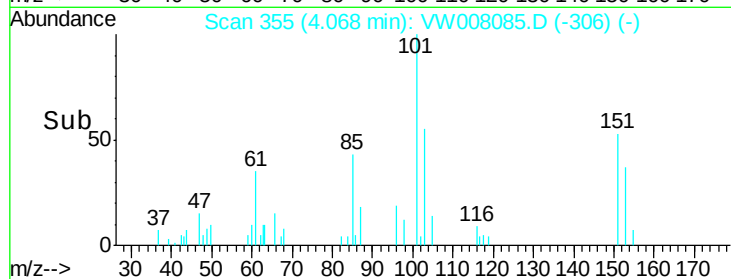
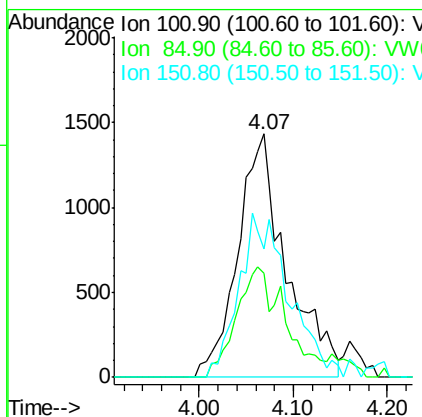
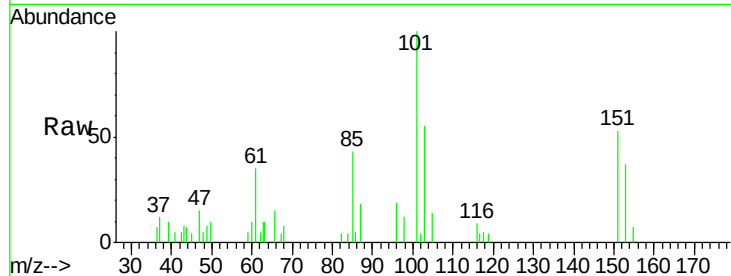
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	5168
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.9	53.9
151	34.6	55.8	83.8#

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#10

Methyl Iodide

Concen: 5.006 ug/l

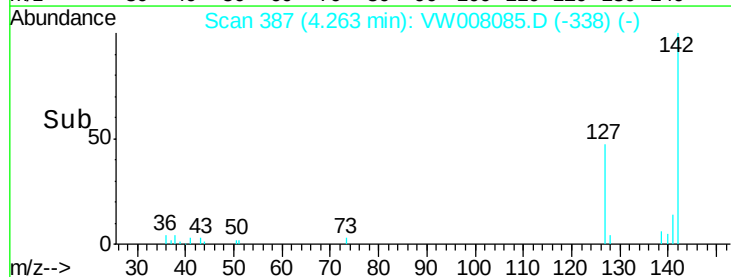
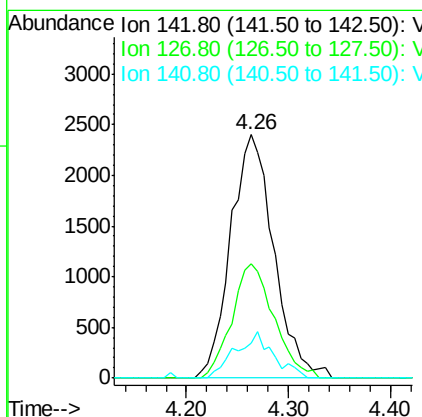
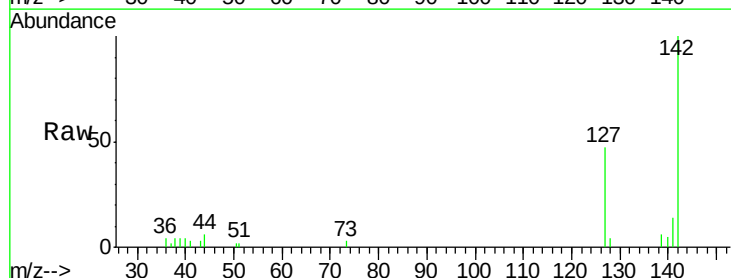
RT: 4.26 min Scan# 387

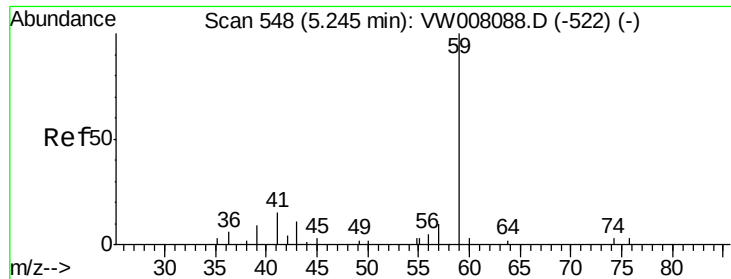
Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Tgt Ion:	142	Resp:	7041
Ion Ratio	Lower	Upper	
142	100		
127	45.8	35.0	52.4
141	16.7	11.8	17.6





#11

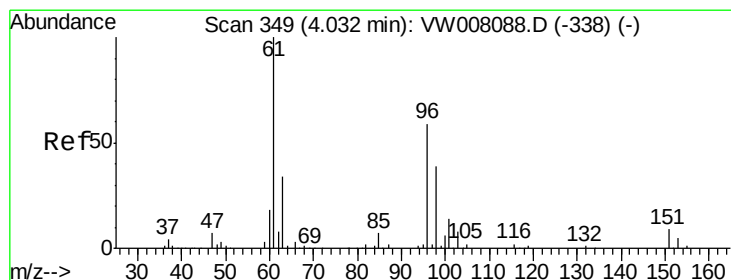
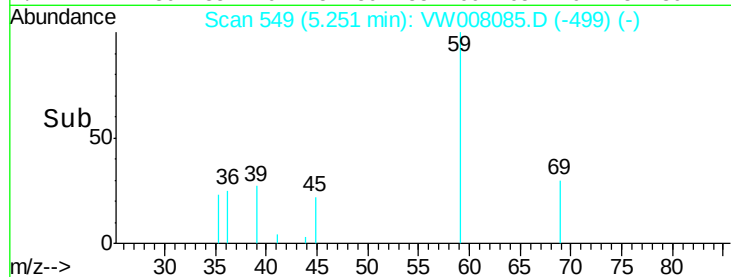
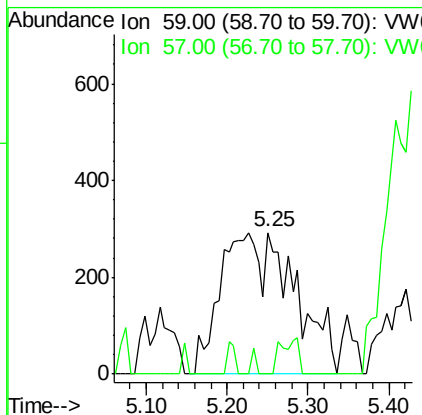
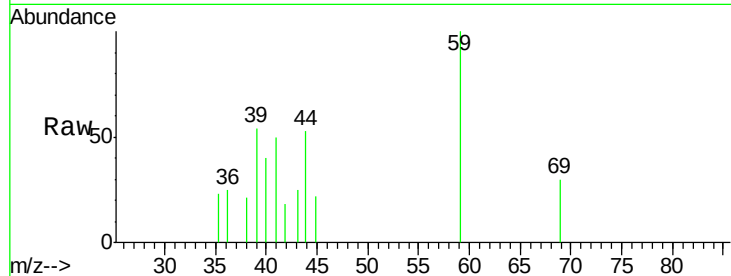
Tert butyl alcohol
 Concen: 29.954 ug/l m
 RT: 5.25 min Scan# 549
 Delta R.T. 0.01 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 59 Resp: 1846
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0

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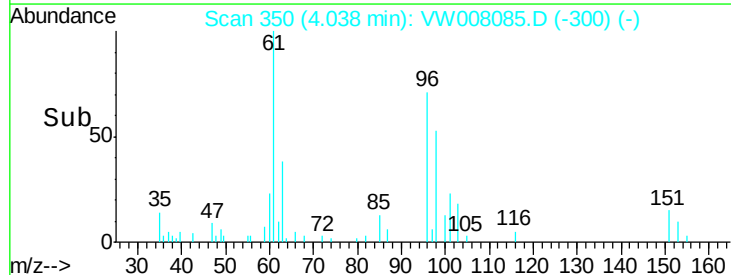
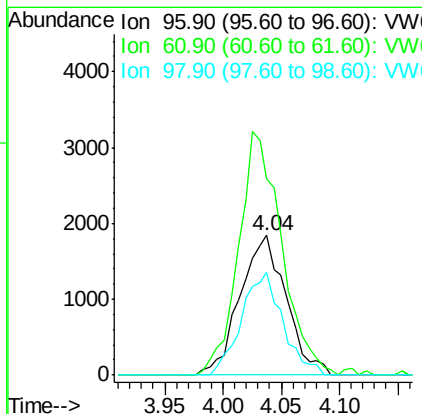
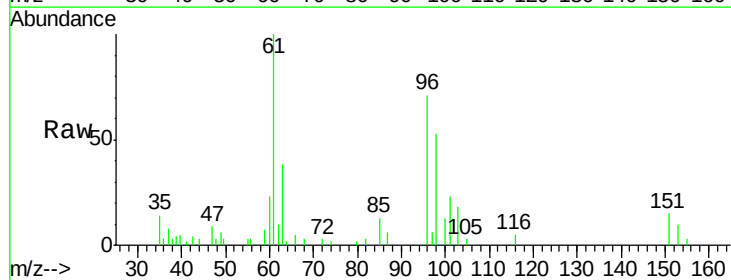
MMDadoda
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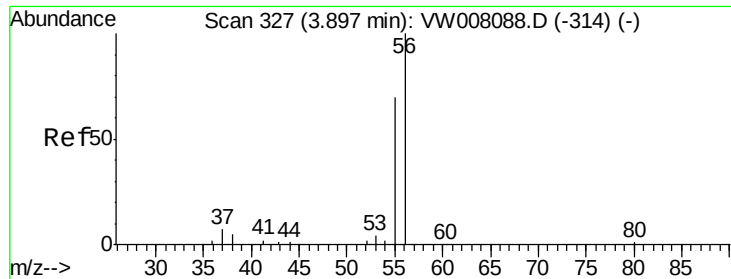


#12

1,1-Dichloroethene
 Concen: 5.906 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion: 96 Resp: 5053
 Ion Ratio Lower Upper
 96 100
 61 140.5 135.4 203.2
 98 74.0 52.5 78.7





#13

Acrolein

Concen: 23.109 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 1053

Ion Ratio Lower Upper

56 100

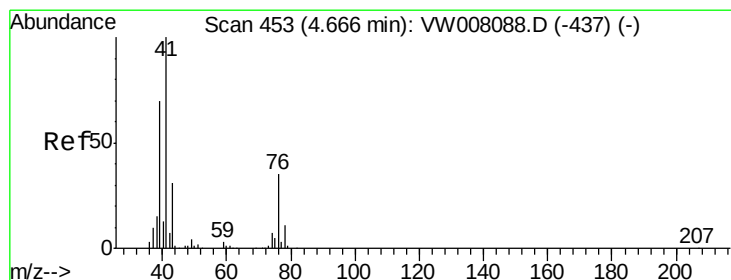
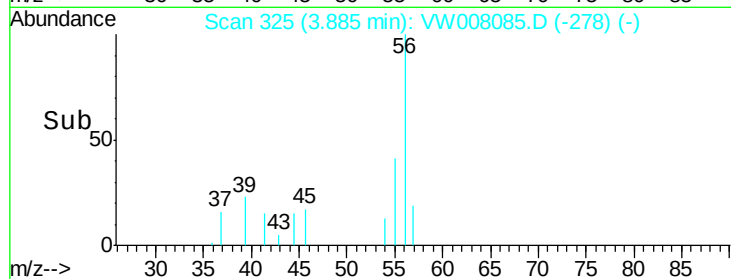
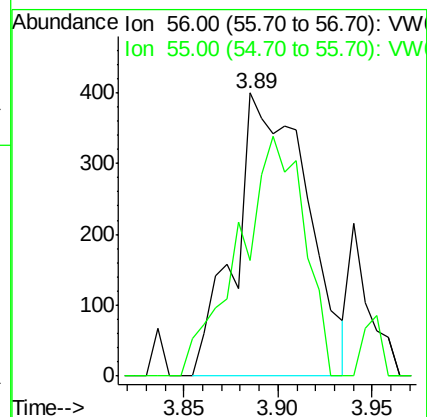
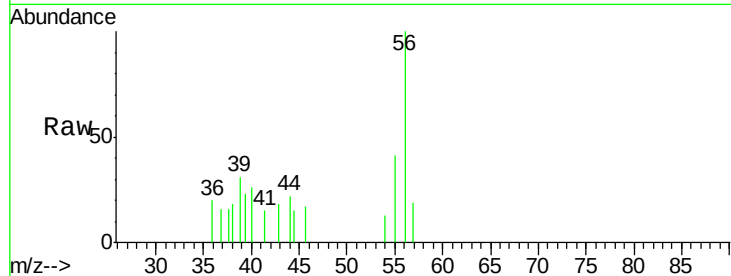
55 76.9 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 6.871 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

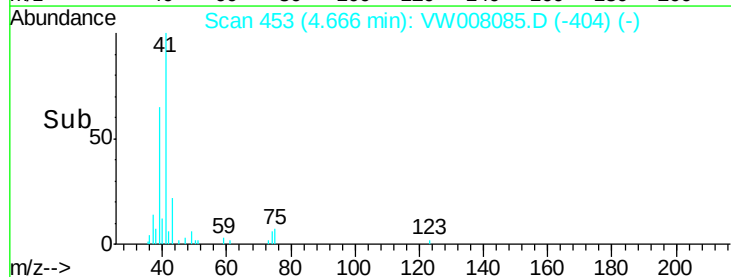
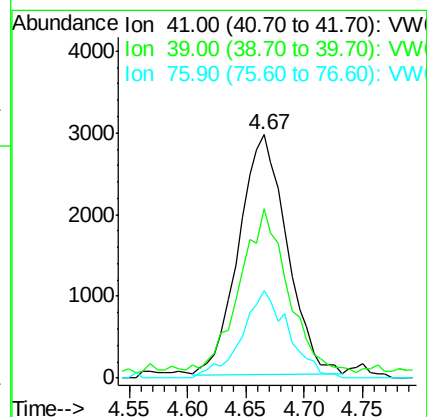
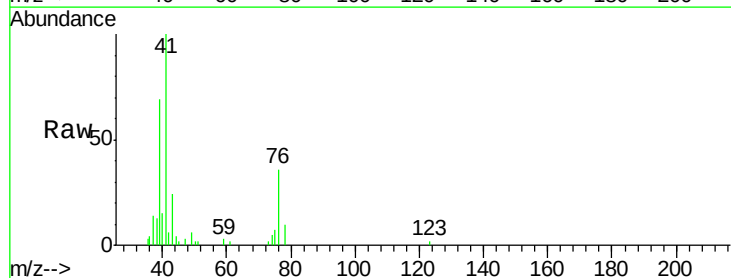
Tgt Ion: 41 Resp: 8442

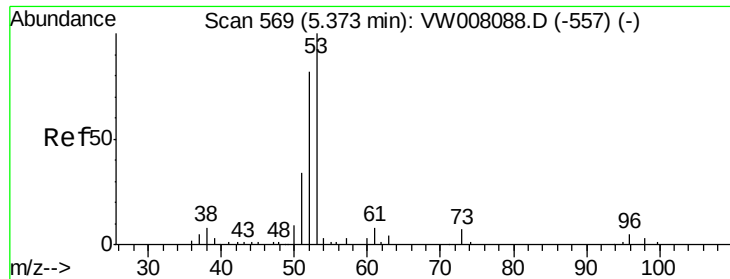
Ion Ratio Lower Upper

41 100

39 68.5 53.8 80.8

76 35.3 27.6 41.4





#15

Acrylonitrile

Concen: 33.865 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

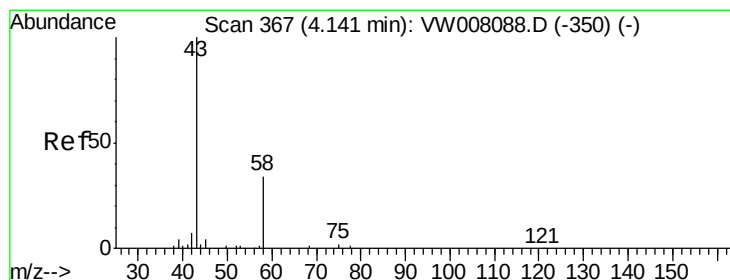
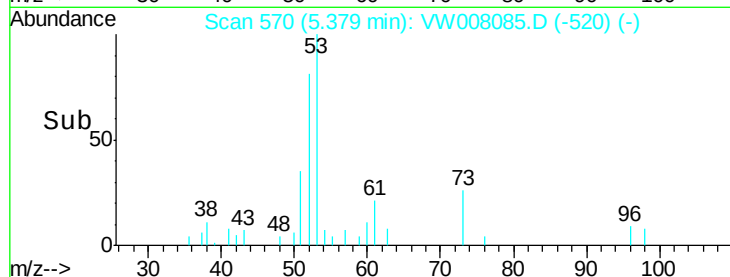
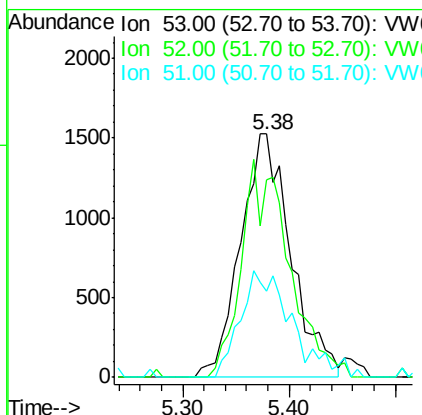
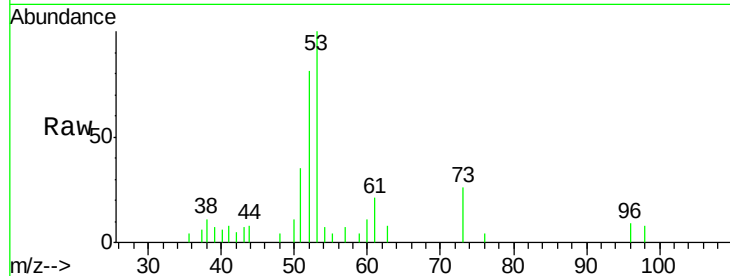
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	5049
Ion	Ratio	Lower	Upper
53	100		
52	36.1	66.8	100.2#
51	45.1	29.7	44.5#

Manual Integrations
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#16

Acetone

Concen: 36.877 ug/l

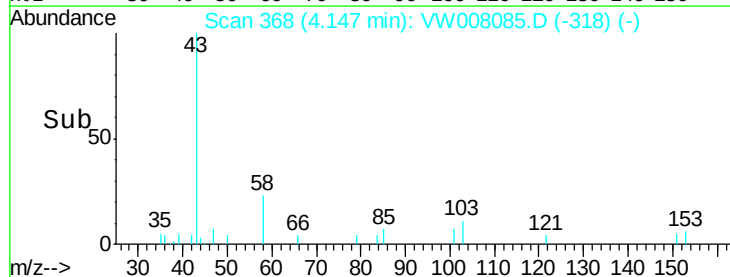
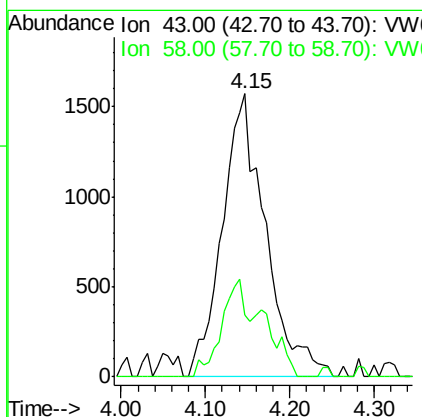
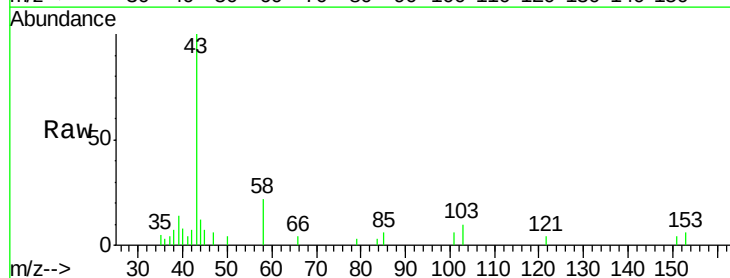
RT: 4.15 min Scan# 368

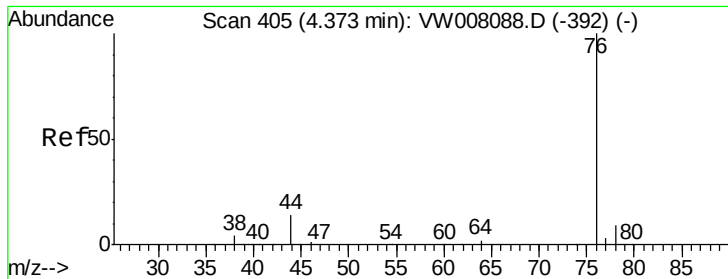
Delta R.T. 0.01 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Tgt Ion:	43	Resp:	5517
Ion	Ratio	Lower	Upper
43	100		
58	21.9	27.5	41.3#





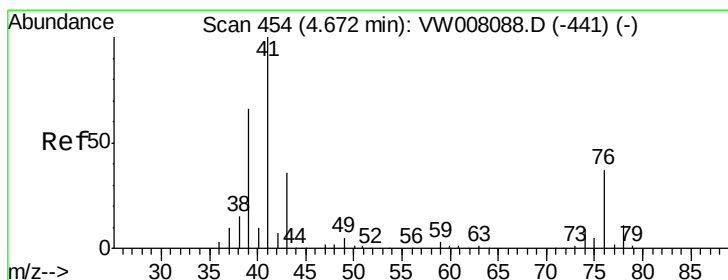
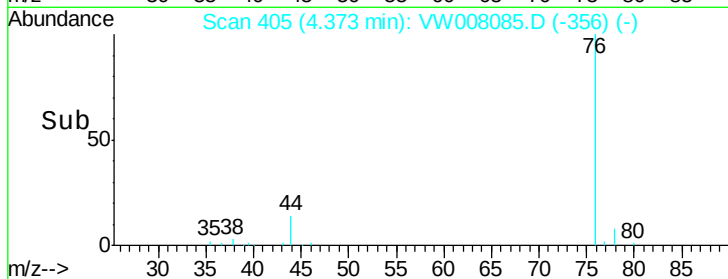
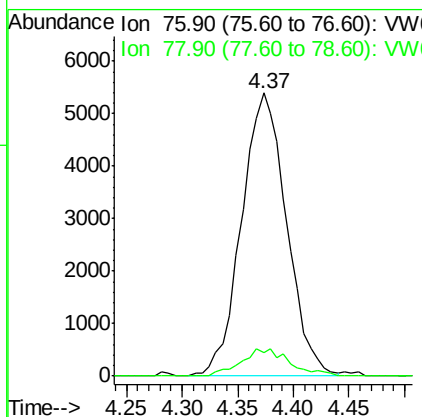
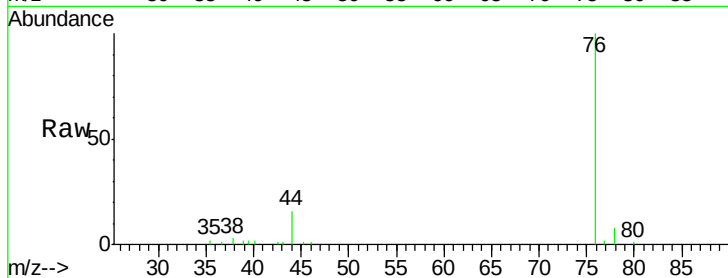
#17
Carbon Disulfide
Concen: 5.794 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 15169
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

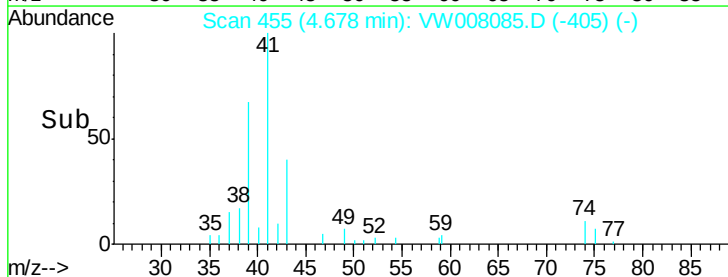
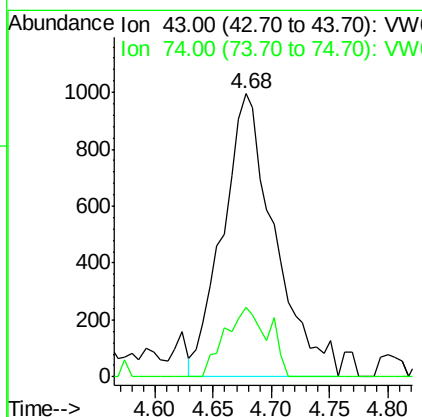
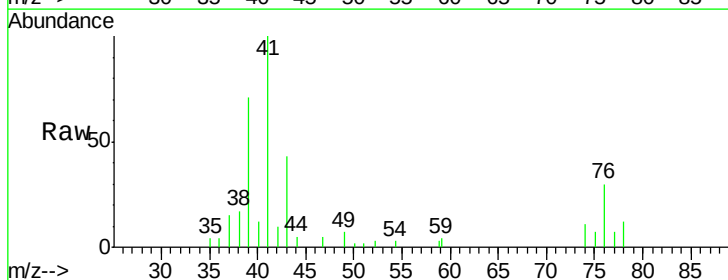
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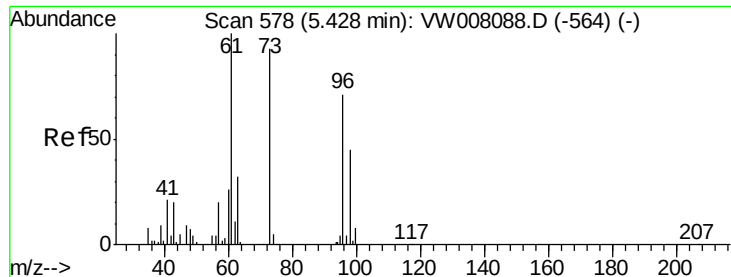
MMDadoda
1/9/2019 11:07:32 AM



#18
Methyl Acetate
Concen: 7.518 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
74 20.7 19.0 28.4





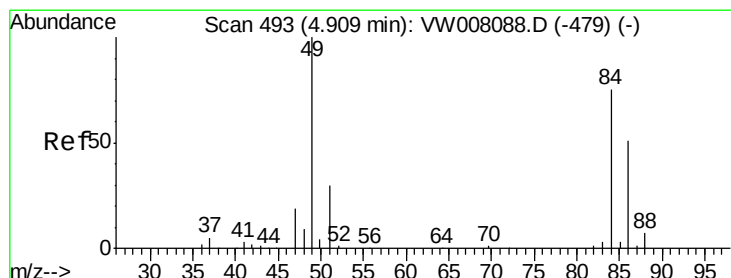
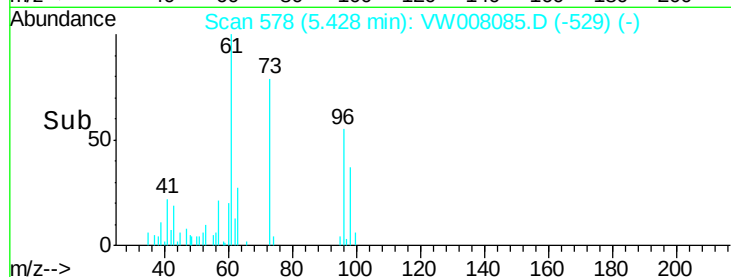
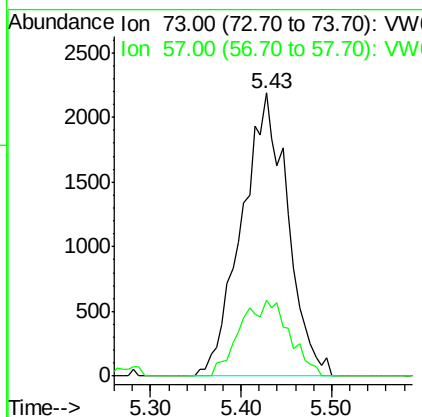
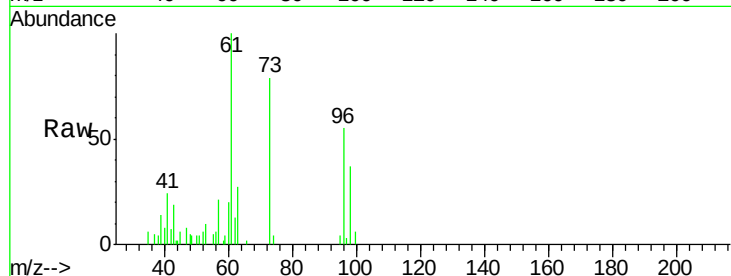
#19
Methyl tert-butyl Ether
Concen: 5.714 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 7702
Ion Ratio Lower Upper
73 100
57 26.7 16.7 25.1#

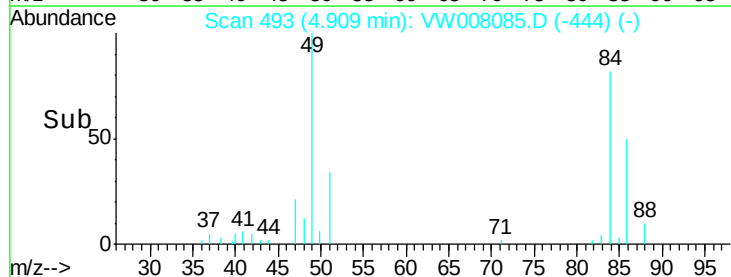
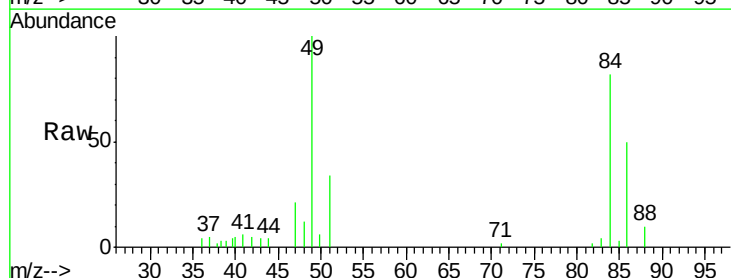
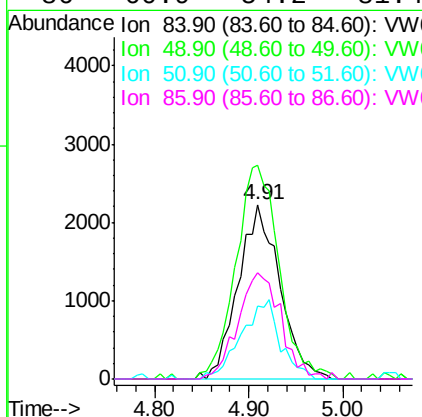
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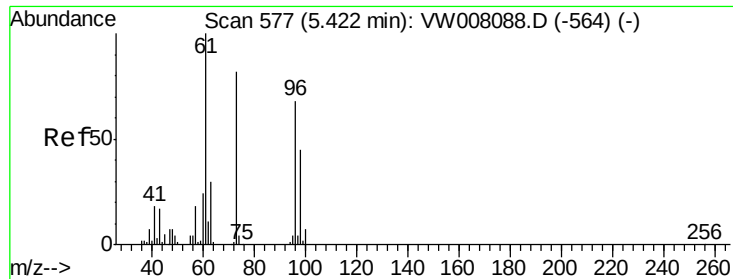
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#20
Methylene Chloride
Concen: 6.862 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion: 84 Resp: 6889
Ion Ratio Lower Upper
84 100
49 122.3 107.1 160.7
51 41.6 32.4 48.6
86 60.9 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 5.573 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

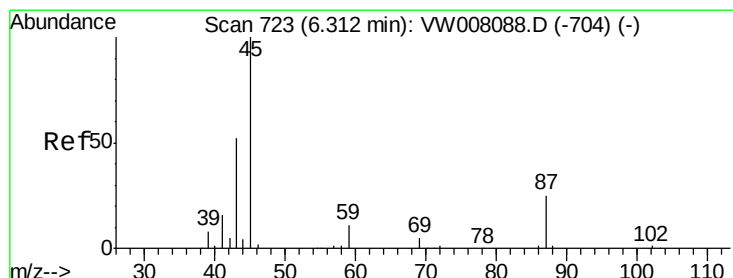
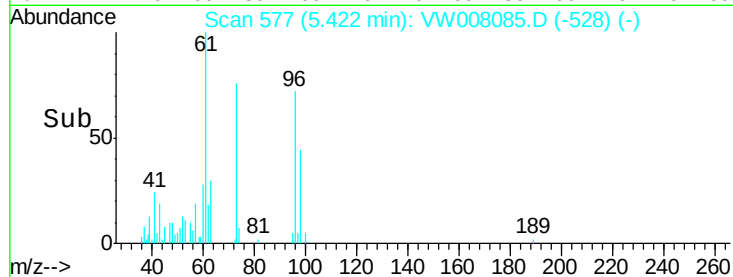
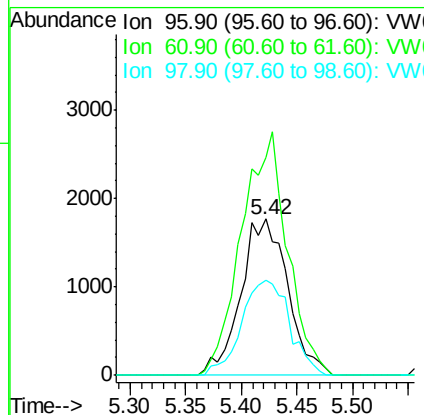
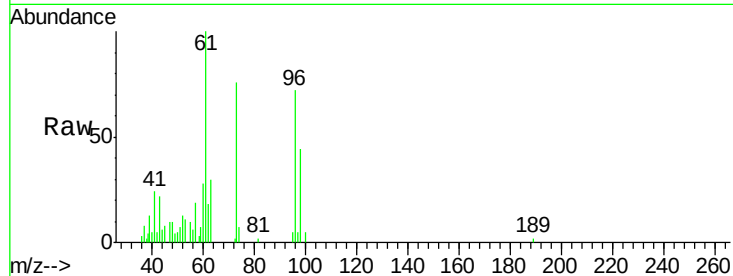
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	5183
Ion	Ratio	Lower	Upper
96	100		
61	139.6	117.4	176.0
98	60.9	52.2	78.4

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#22

Diisopropyl ether

Concen: 7.428 ug/l

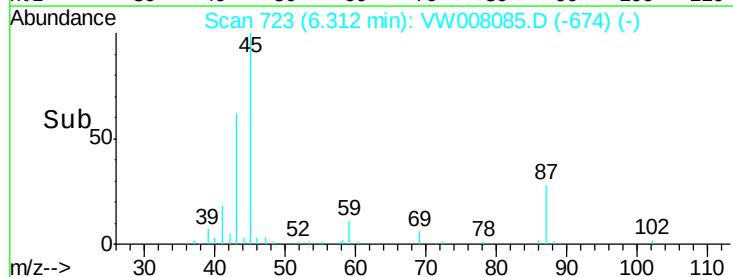
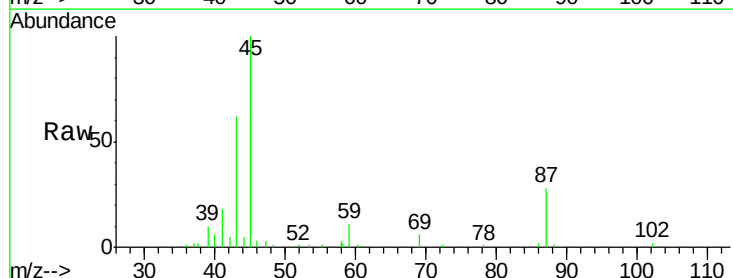
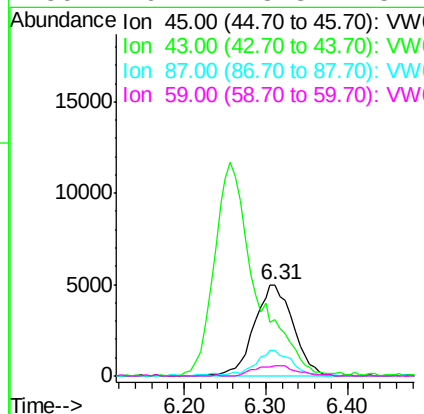
RT: 6.31 min Scan# 723

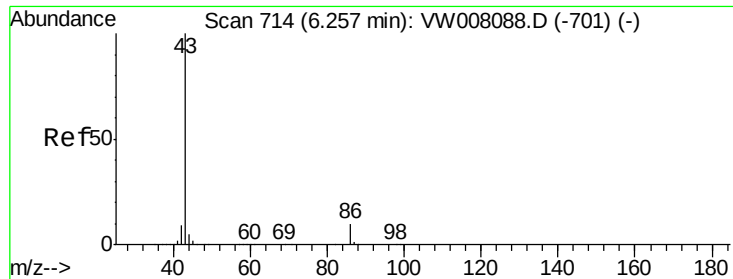
Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Tgt Ion:	45	Resp:	16516
Ion	Ratio	Lower	Upper
45	100		
43	57.5	41.7	62.5
87	28.3	20.1	30.1
59	10.7	8.8	13.2





#23

Vinyl Acetate

Concen: 33.347 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 40956

Ion Ratio Lower Upper

43 100

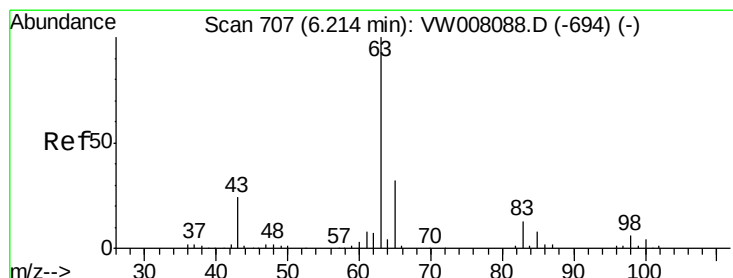
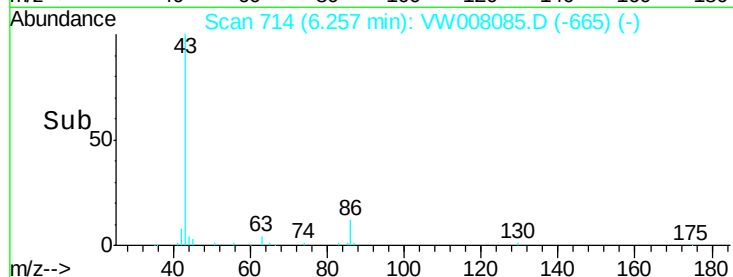
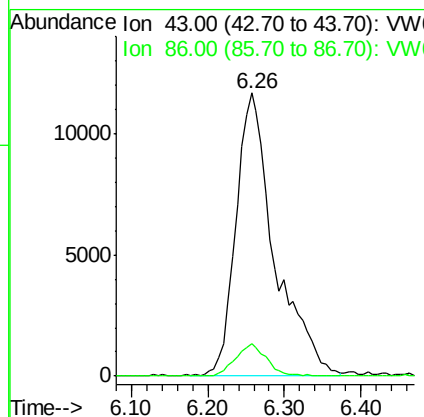
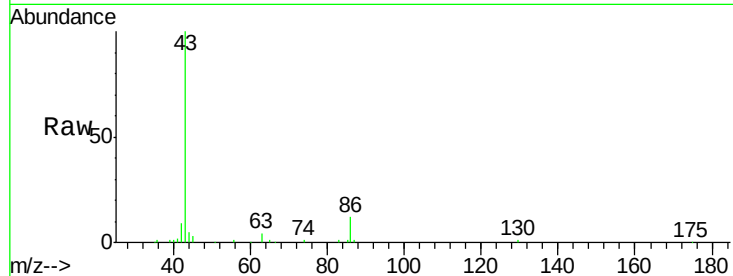
86 11.6 7.7 11.5#

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#24

1,1-Dichloroethane

Concen: 6.426 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

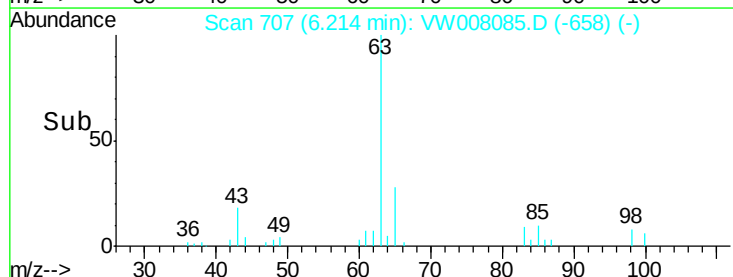
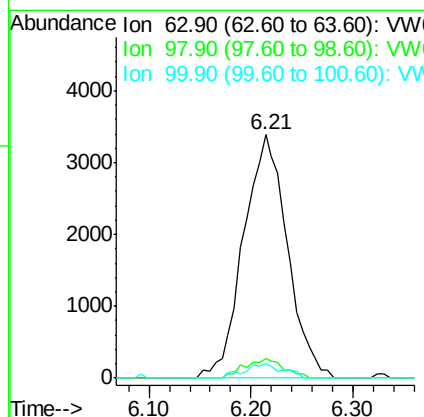
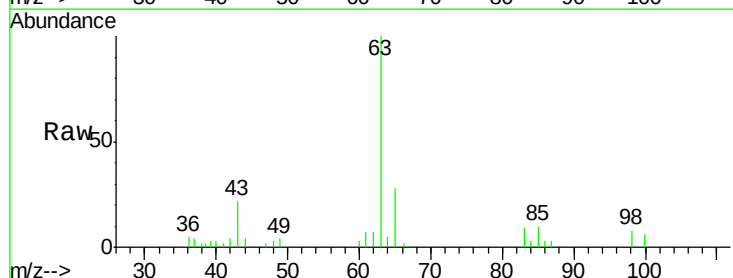
Tgt Ion: 63 Resp: 10087

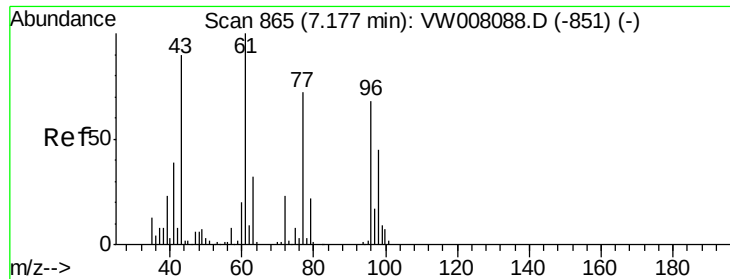
Ion Ratio Lower Upper

63 100

98 8.3 3.2 9.6

100 5.9 2.0 6.0





#25

2-Butanone

Concen: 39.752 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 7264

Ion Ratio Lower Upper

43 100

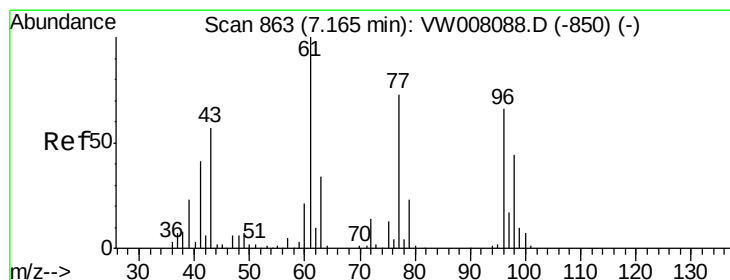
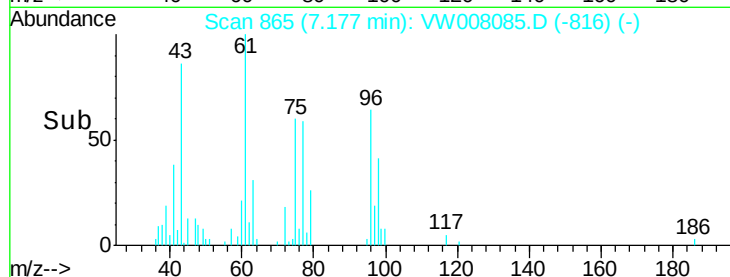
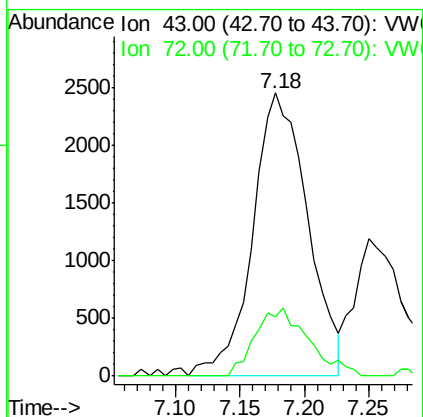
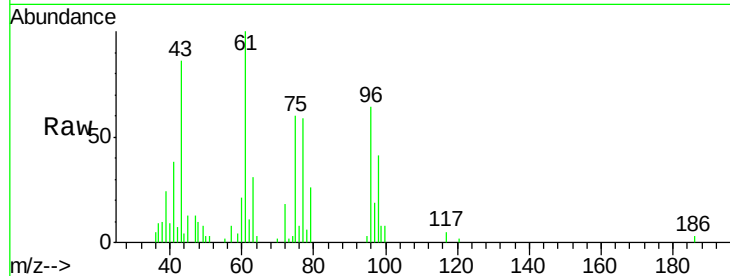
72 20.9 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.523 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008085.D

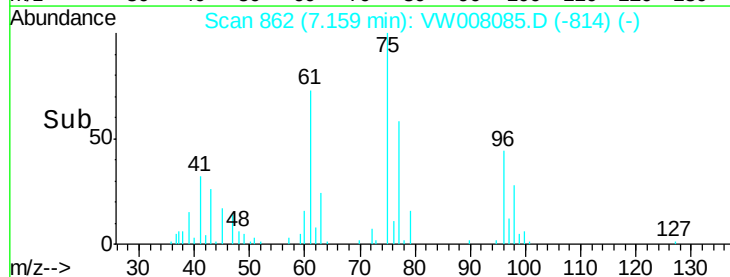
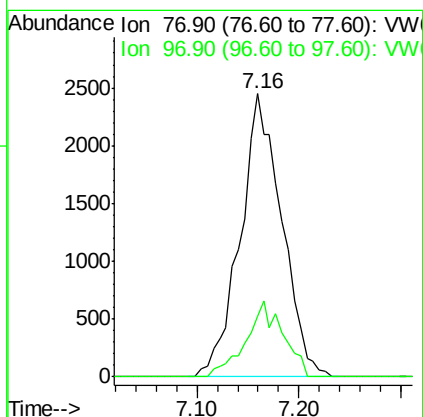
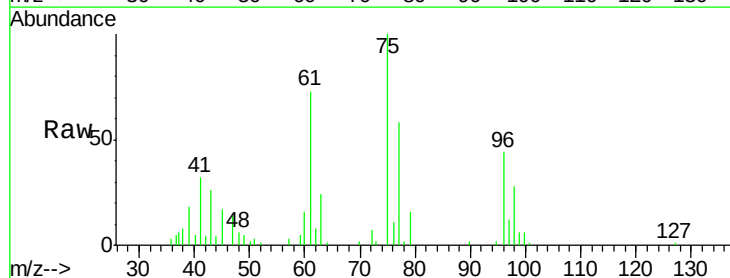
Acq: 08 Jan 2019 14:45

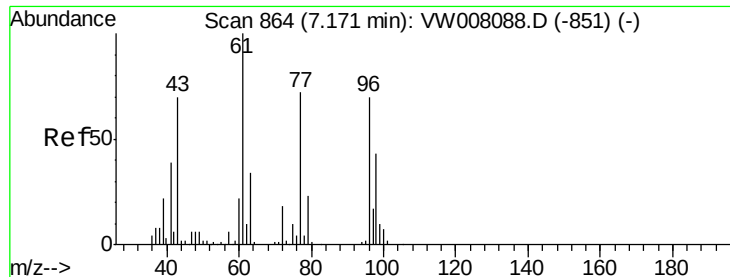
Tgt Ion: 77 Resp: 6911

Ion Ratio Lower Upper

77 100

97 23.9 11.4 34.1





#27

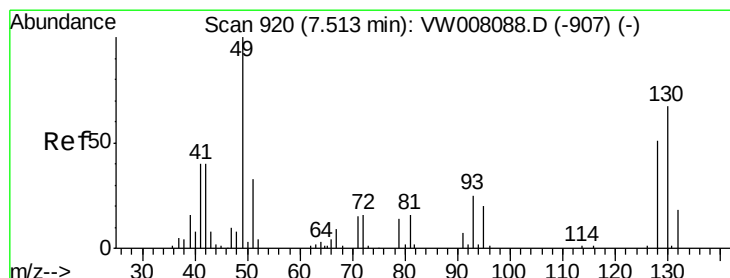
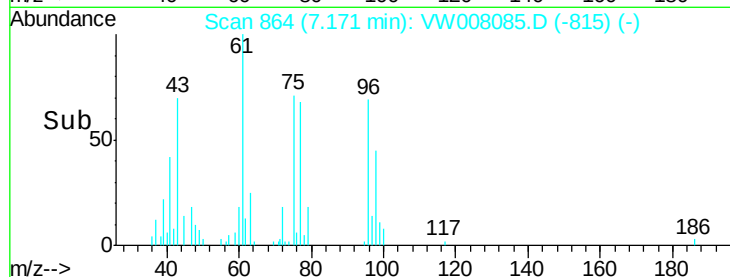
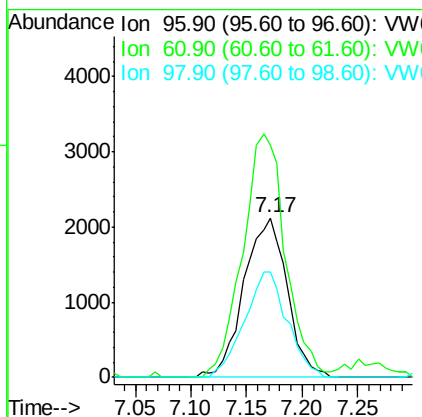
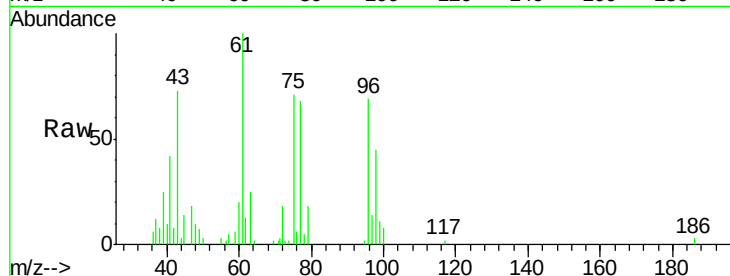
cis-1,2-Dichloroethene
Concen: 5.765 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	300.4
98	65.4	0.0	128.4

Manual Integrations
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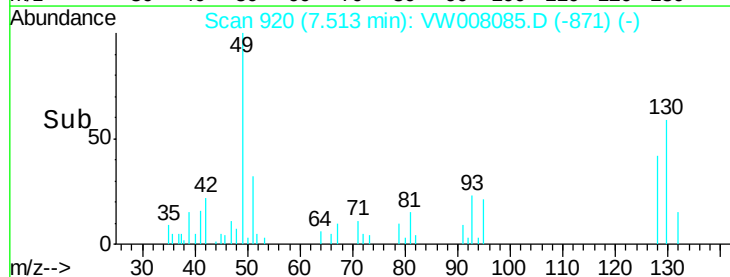
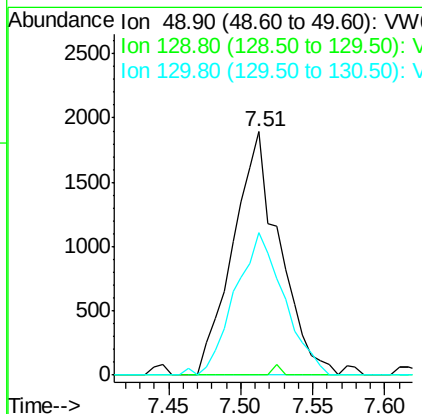
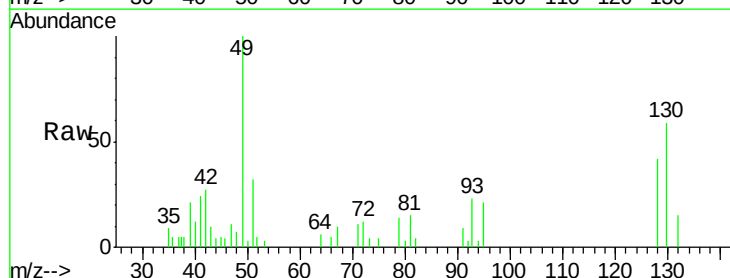
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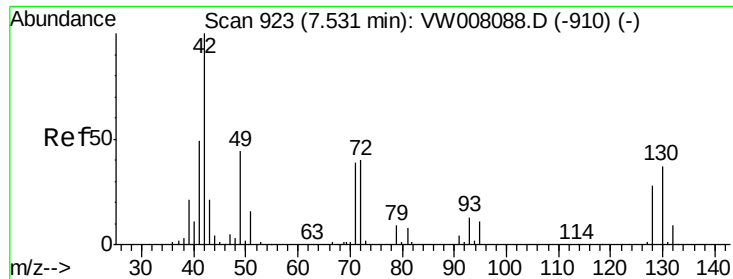


#28

Bromochloromethane
Concen: 7.963 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.8
130	61.7	54.3	81.5





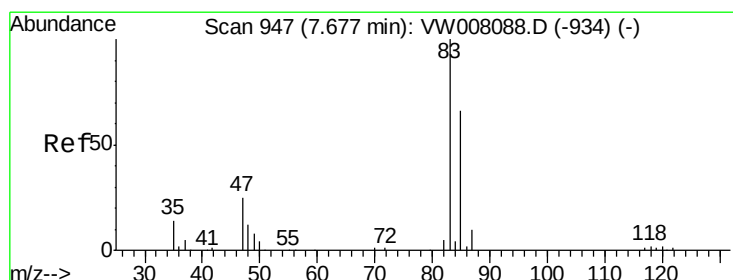
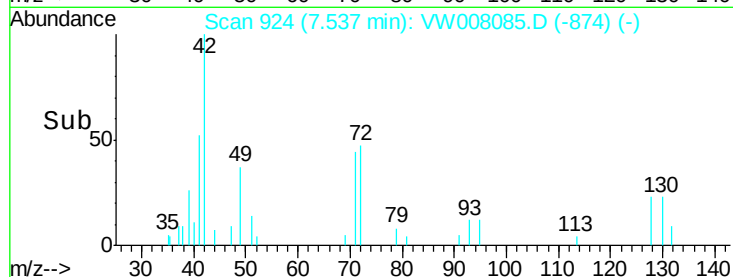
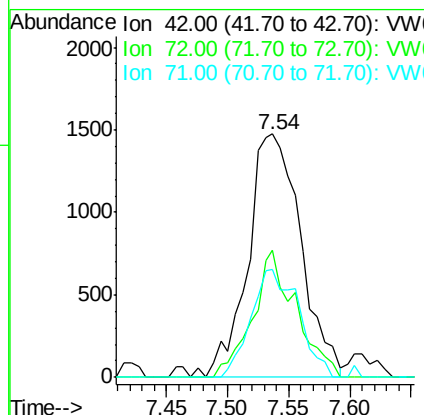
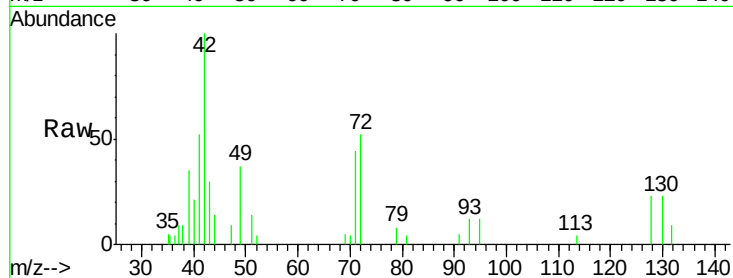
#29
Tetrahydrofuran
Concen: 38.316 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	32.4	48.6
71	39.8	31.3	46.9

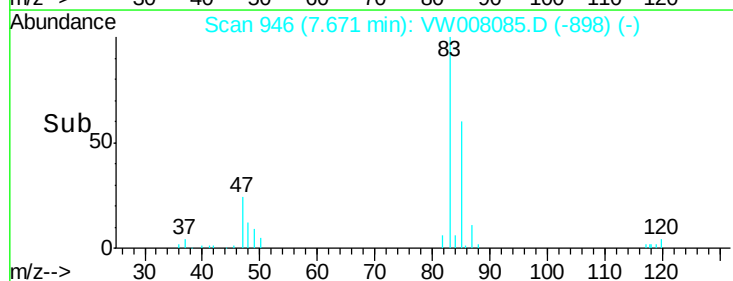
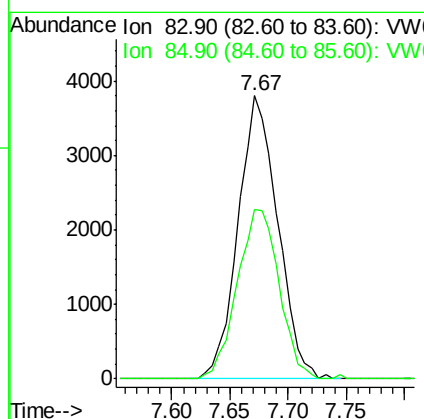
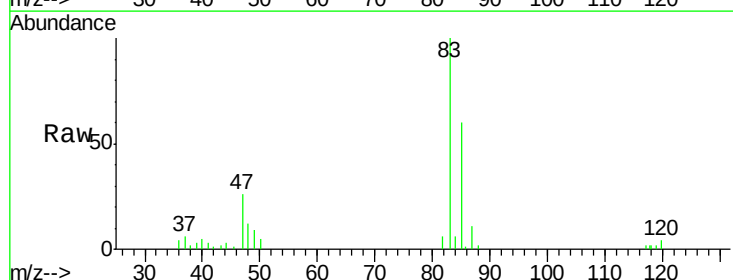
Manual Integrations
APPROVED

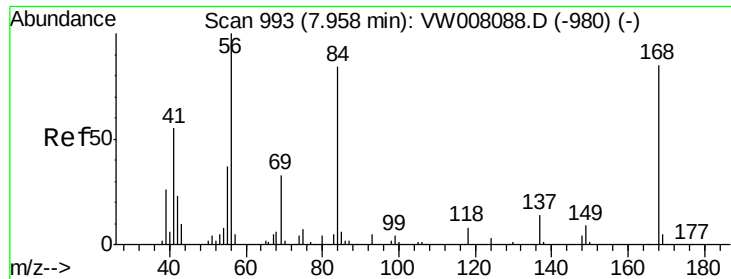
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#30
Chloroform
Concen: 5.251 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.8	53.2	79.8





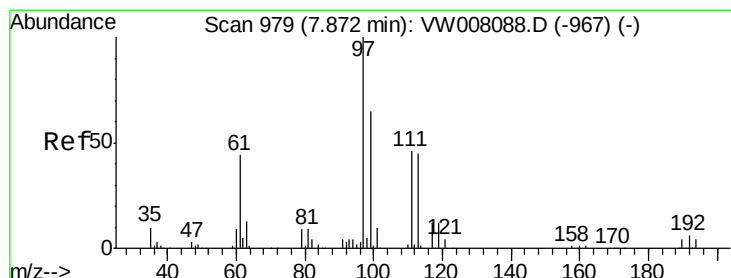
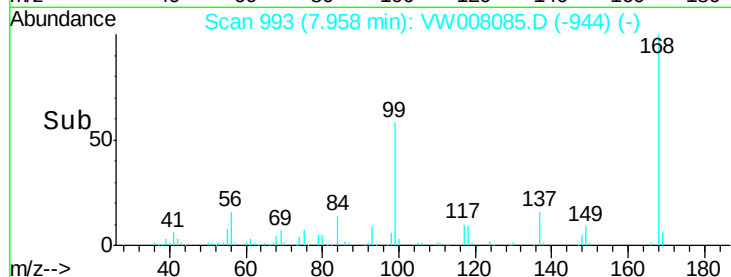
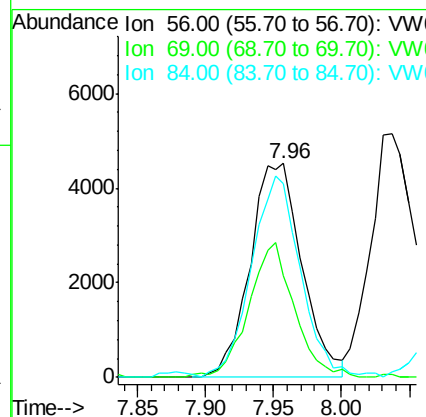
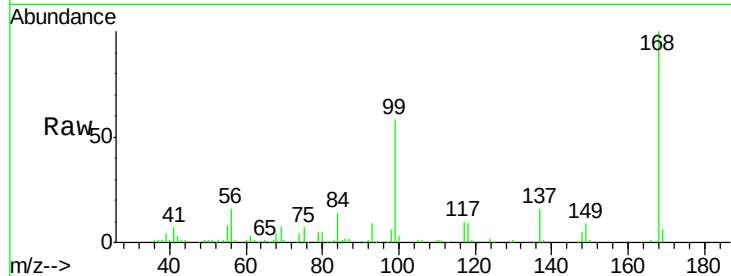
#31
Cyclohexane
Concen: 8.005 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	46.6	26.2	39.4#
84	89.1	67.4	101.2

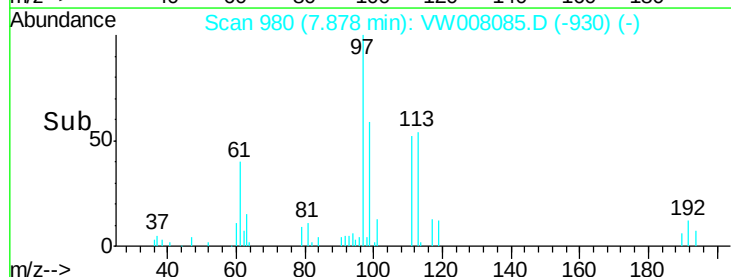
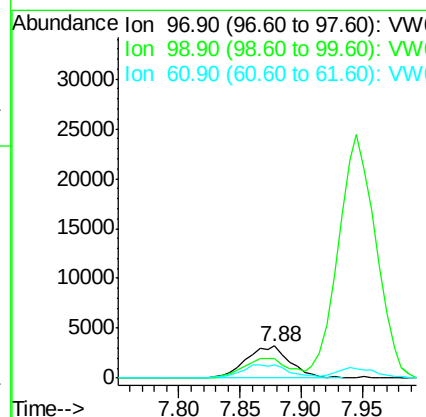
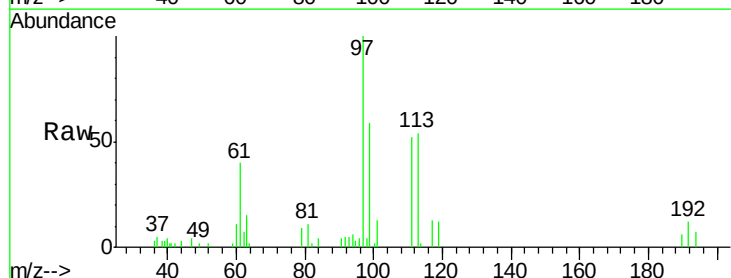
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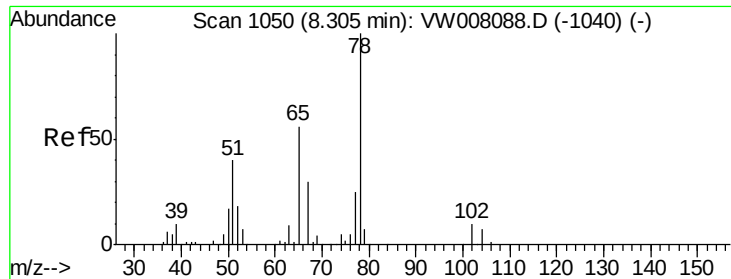
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.955 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	46.4	35.6	53.4





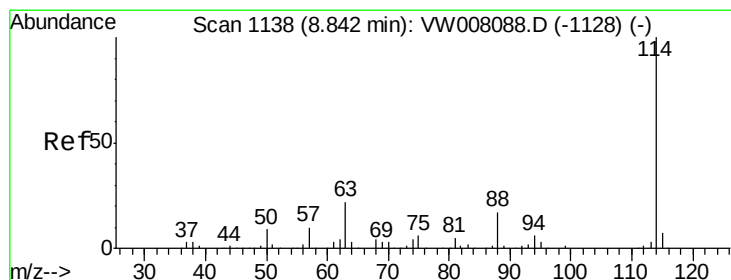
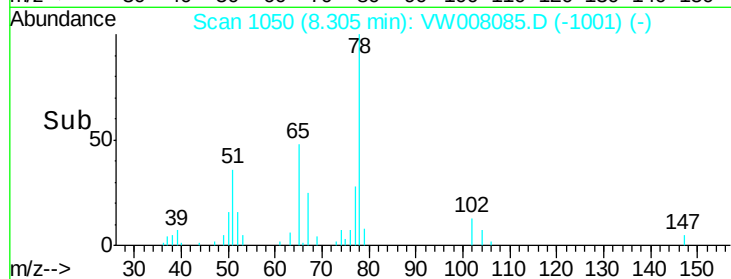
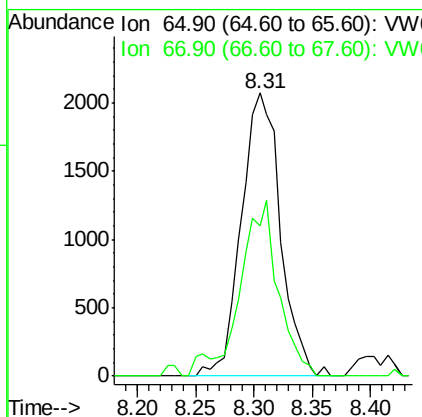
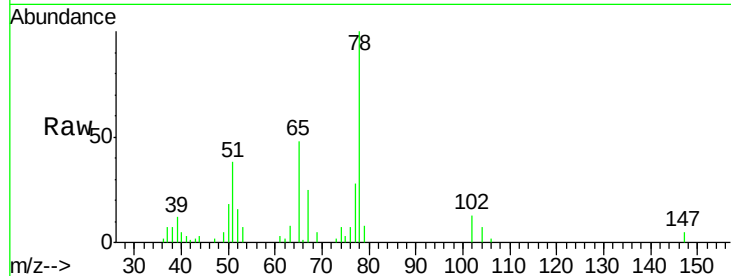
#33
 1,2-Dichloroethane-d4
 Concen: 5.176 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.7	0.0	106.8

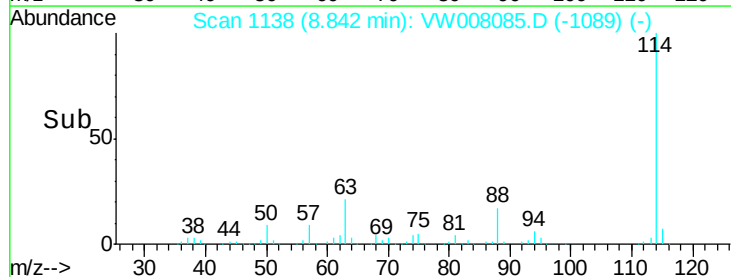
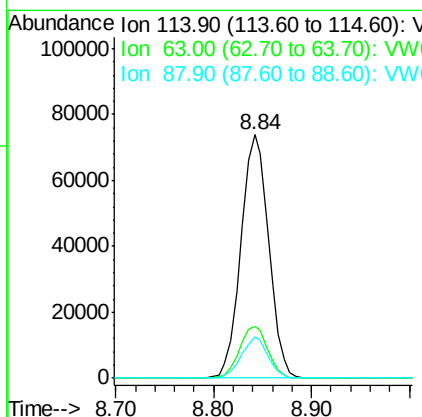
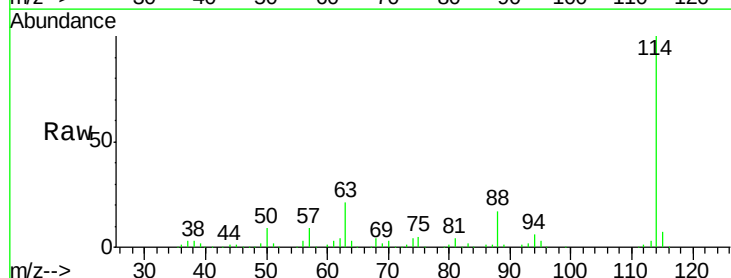
Manual Integrations
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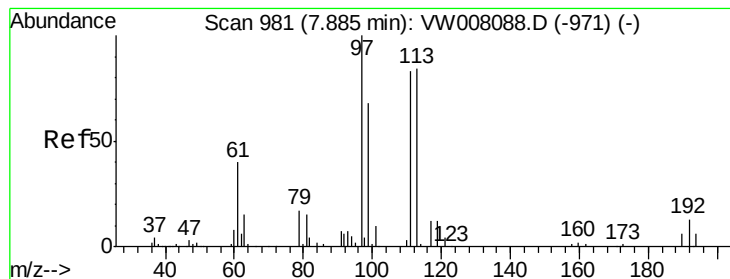
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.4
88	16.8	0.0	33.4





#35

Dibromofluoromethane

Concen: 4.941 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

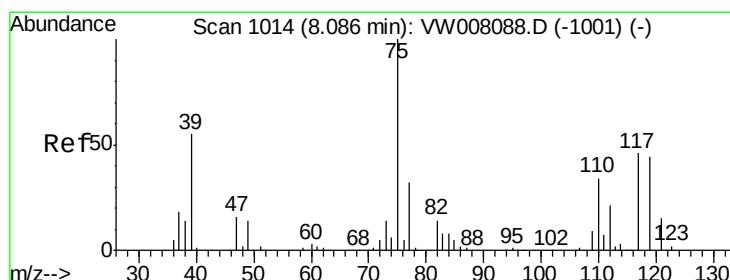
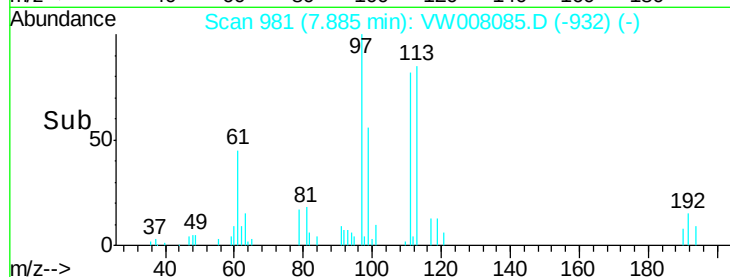
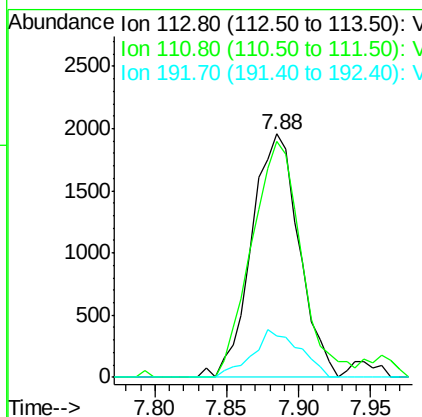
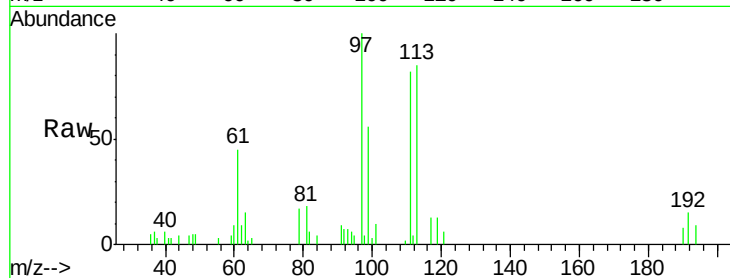
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.8
192	19.3	12.8	19.2#

Manual Integrations
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1/9/2019 11:07:32 AM



#36

1,1-Dichloropropene

Concen: 5.780 ug/l

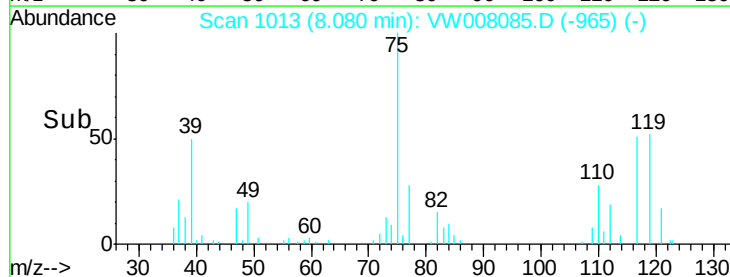
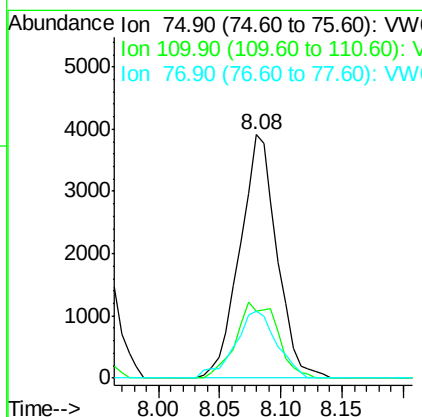
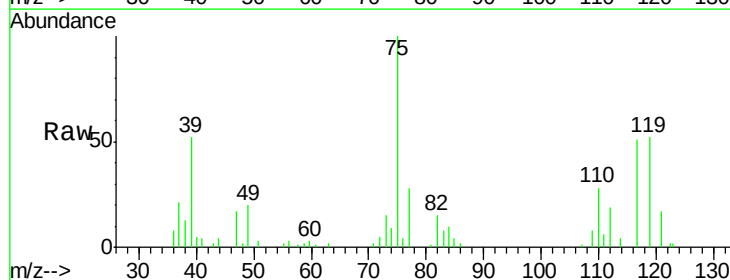
RT: 8.08 min Scan# 1013

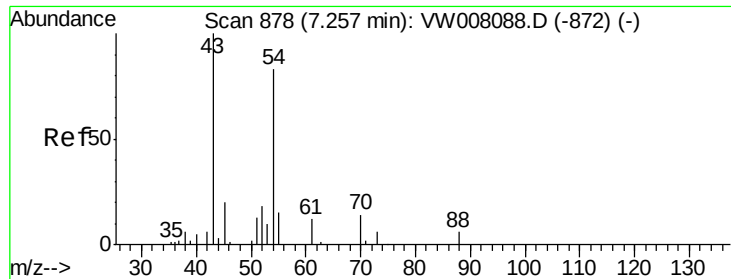
Delta R.T. -0.01 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.1	51.3
77	30.8	25.5	38.3





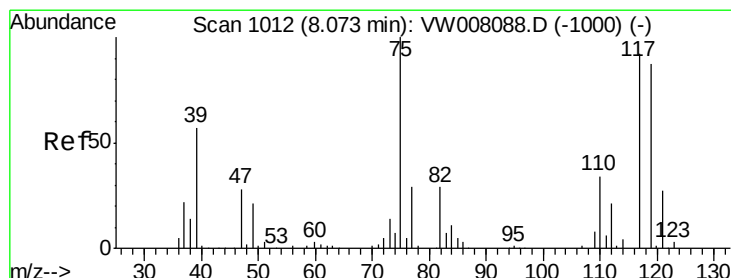
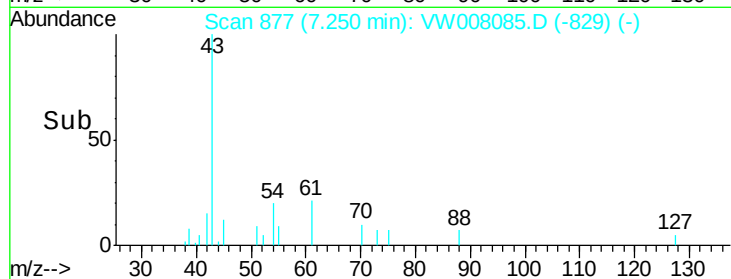
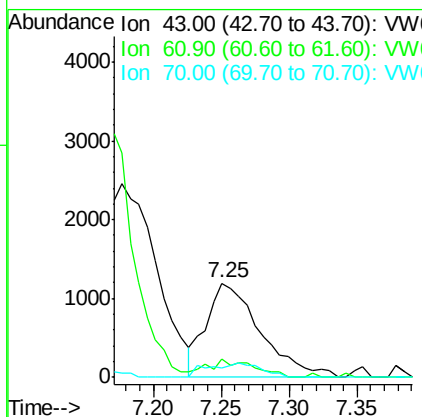
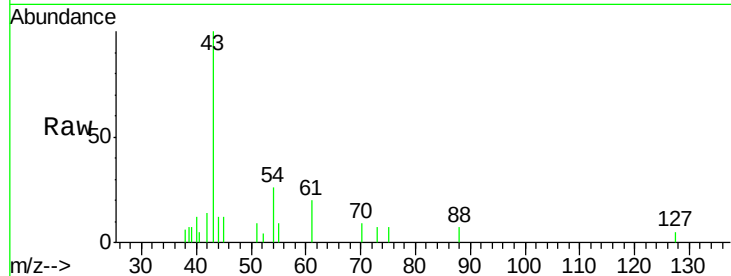
#37
Ethyl Acetate
Concen: 7.279 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	10.6	16.0#
70	9.2	8.9	13.3

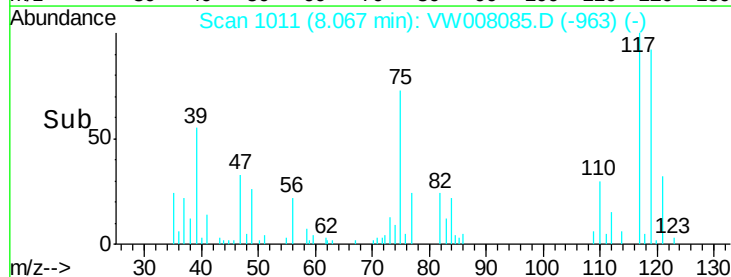
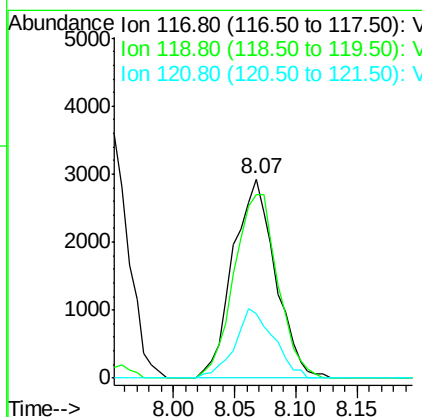
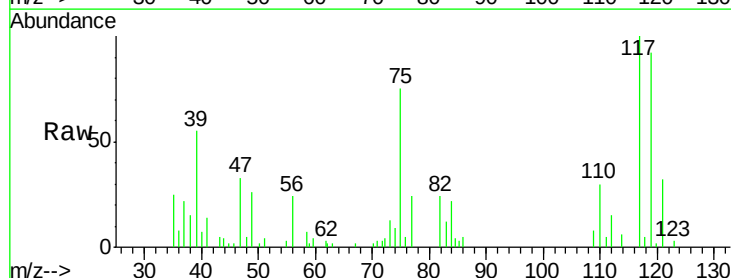
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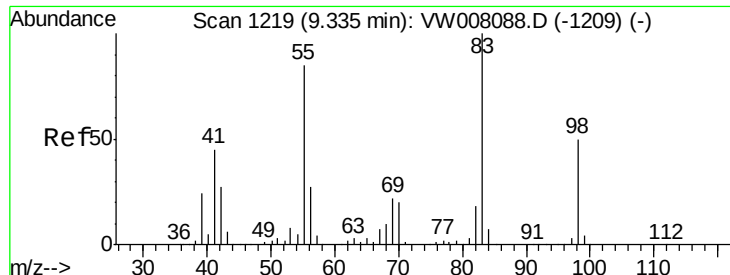
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#38
Carbon Tetrachloride
Concen: 4.299 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	75.8	113.8
121	32.4	23.7	35.5





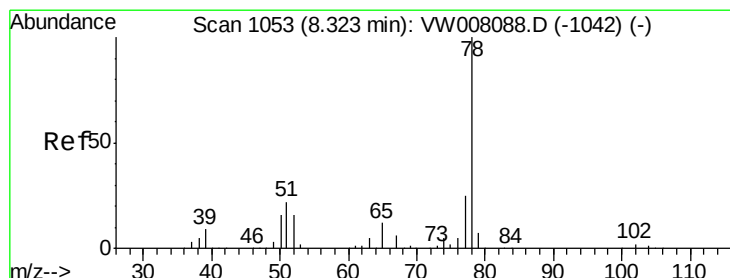
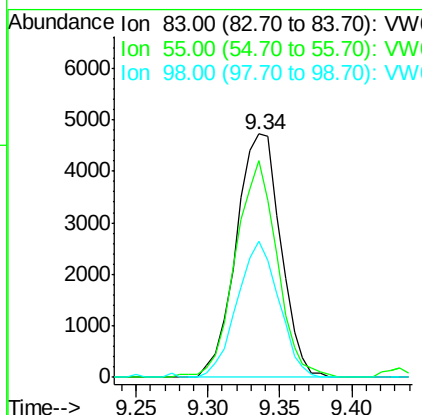
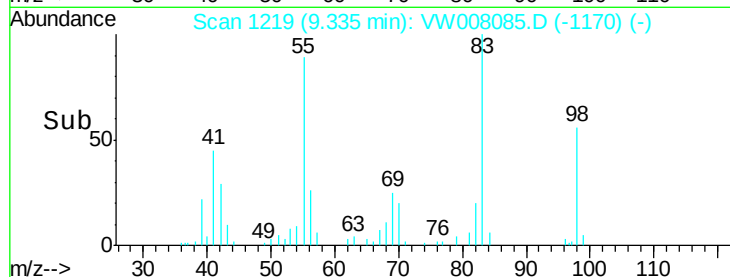
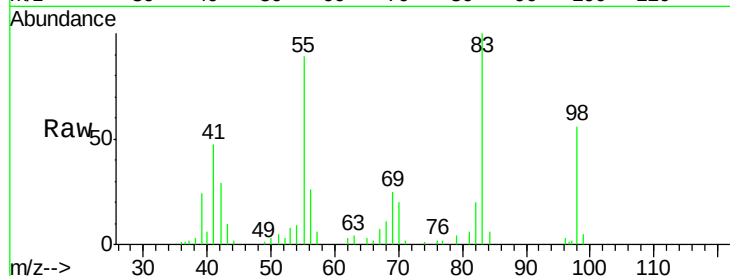
#39
Methylvlcyclohexane
Concen: 5.673 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.0	67.8	101.6
98	55.8	40.2	60.4

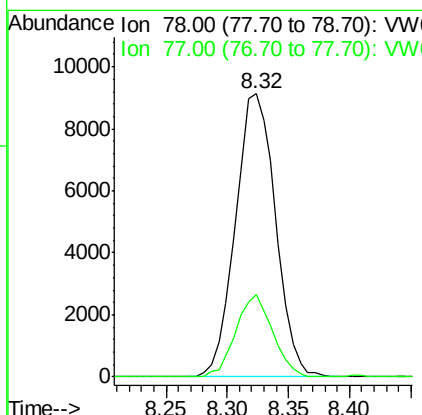
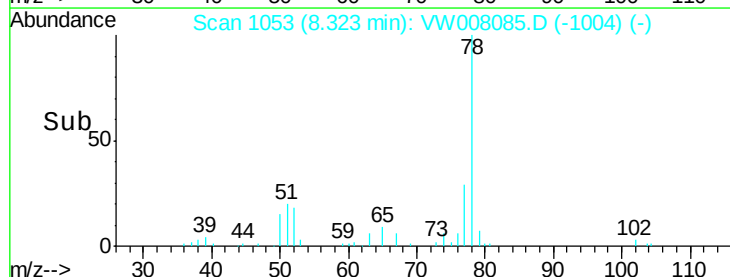
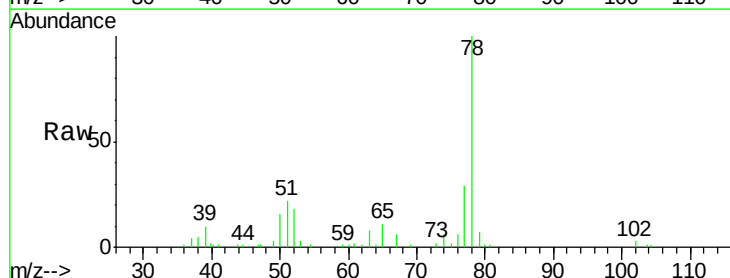
Manual Integrations
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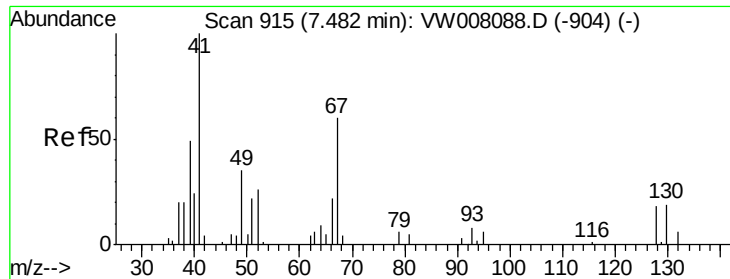
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#40
Benzene
Concen: 5.490 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.2	20.2	30.4





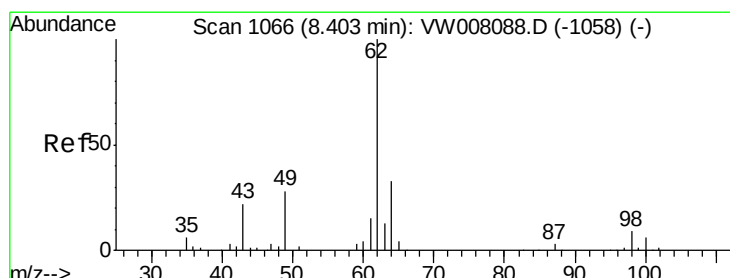
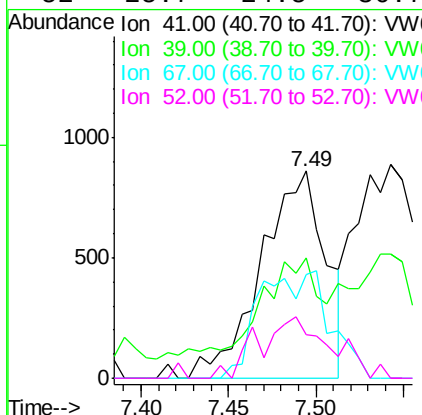
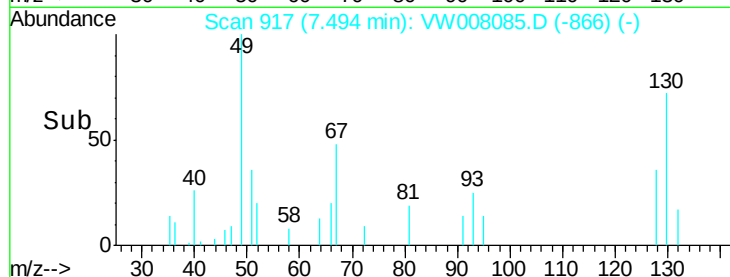
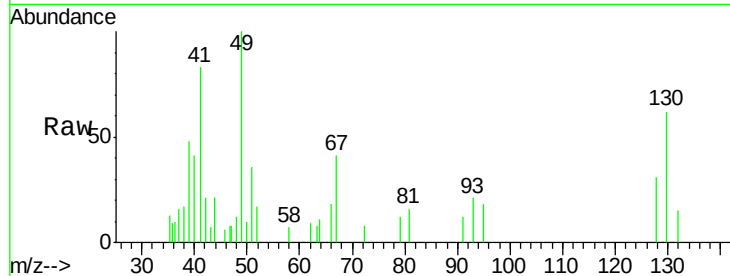
#41
Methacrylonitrile
Concen: 8.483 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	2209
Ion	Ratio	Lower	Upper
41	100		
39	45.6	47.9	71.9#
67	32.1	56.3	84.5#
52	25.7	24.5	36.7

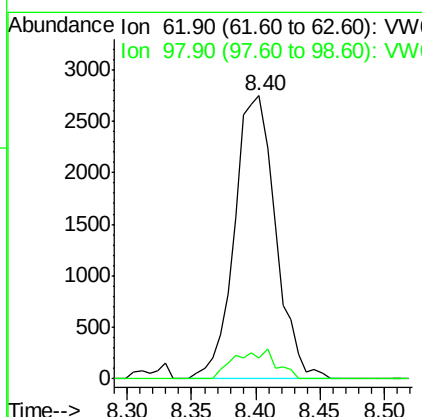
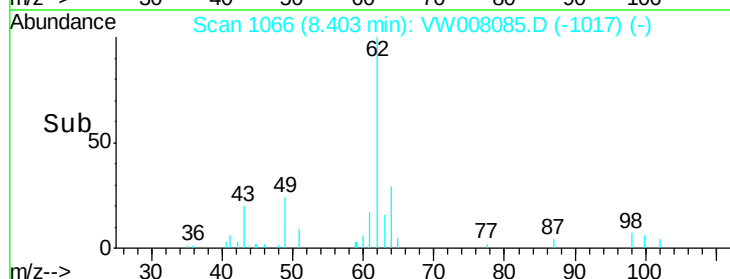
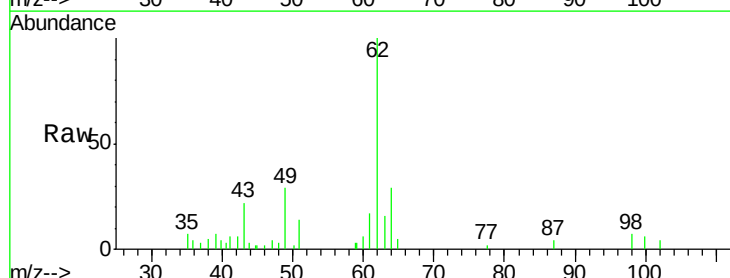
Manual Integrations
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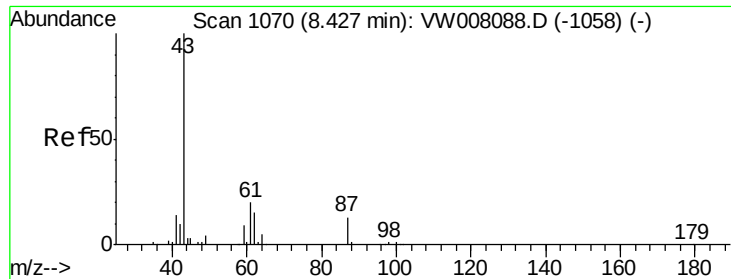
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#42
1,2-Dichloroethane
Concen: 4.962 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion:	62	Resp:	6084
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	18.6





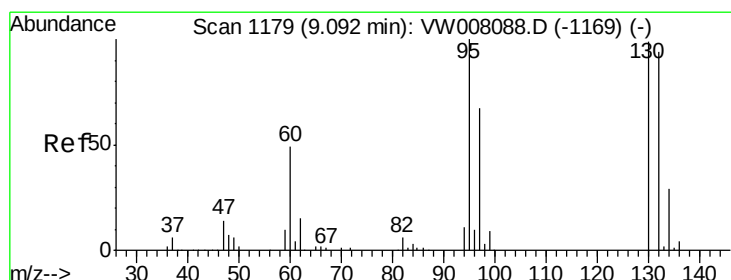
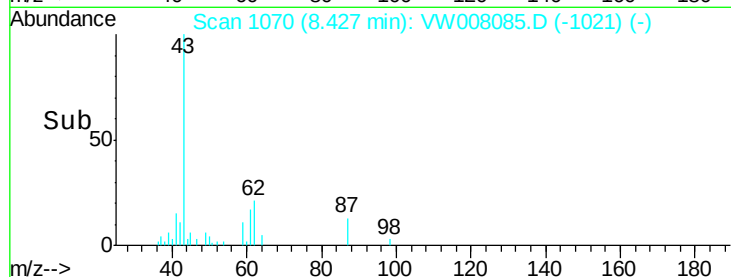
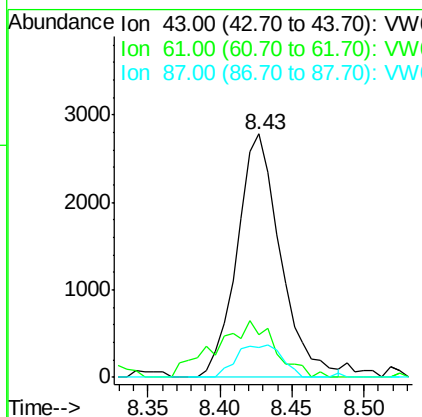
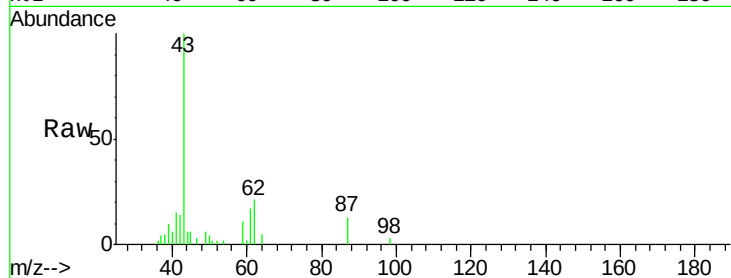
#43
Isopropyl Acetate
Concen: 6.495 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.8	37.2
87	14.0	10.4	15.6

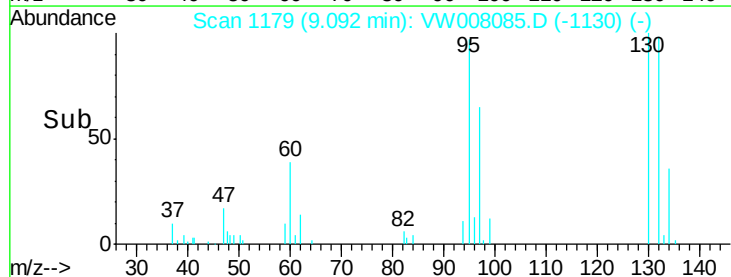
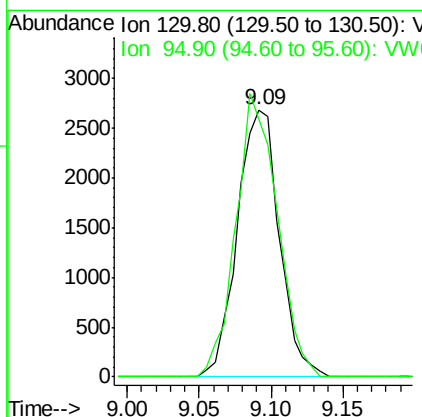
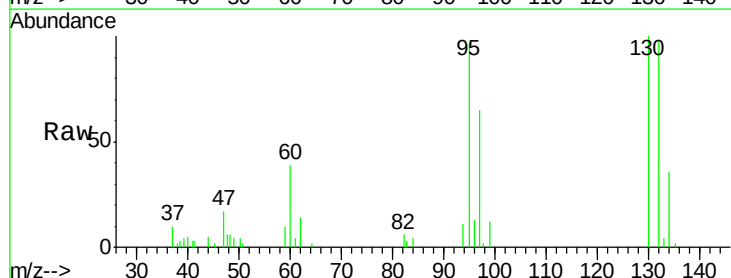
Manual Integrations
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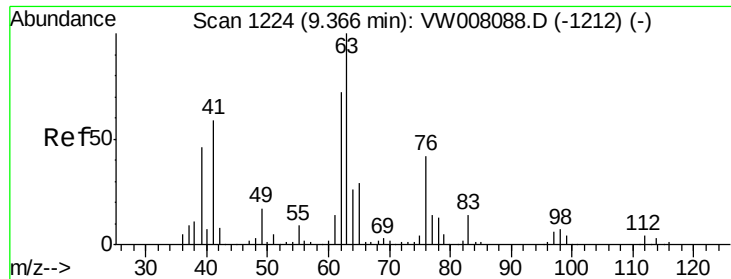
MMDadoda
1/9/2019 11:07:32 AM



#44
Trichloroethene
Concen: 4.981 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	202.8





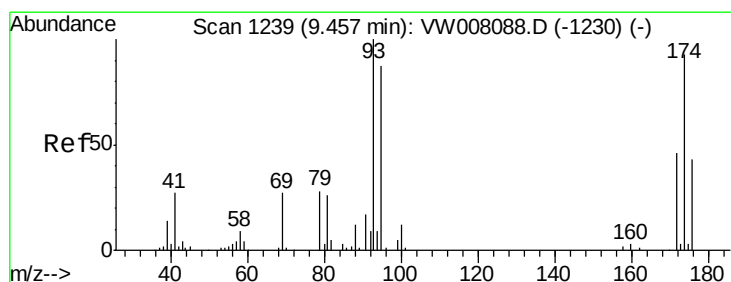
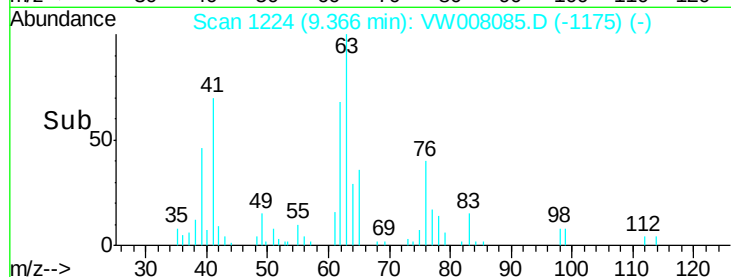
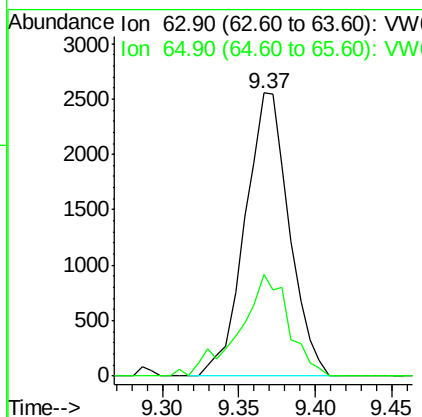
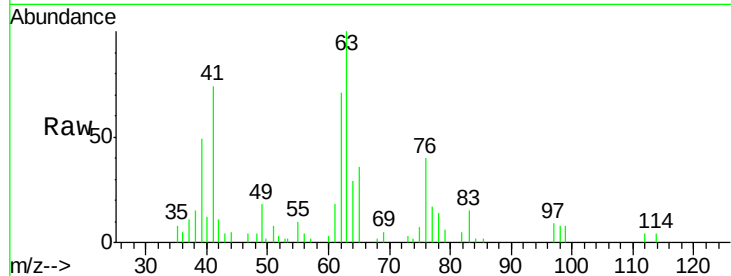
#45
 1,2-Dichloropropane
 Concen: 6.116 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 5135
 Ion Ratio Lower Upper
 63 100
 65 36.0 23.3 34.9#

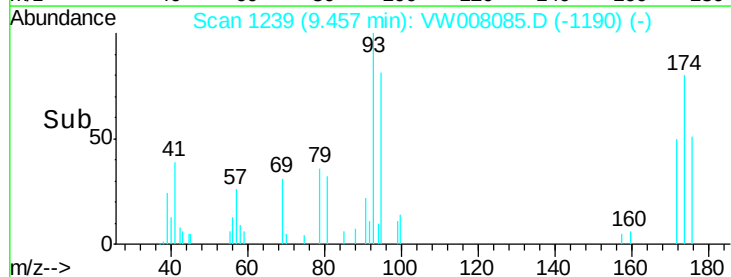
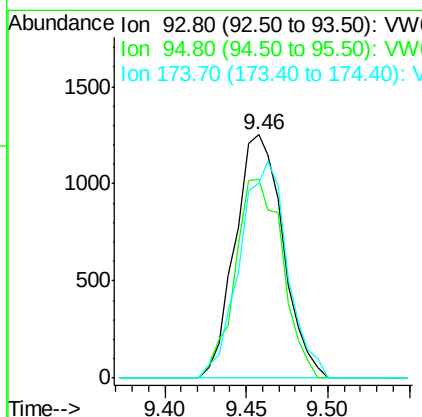
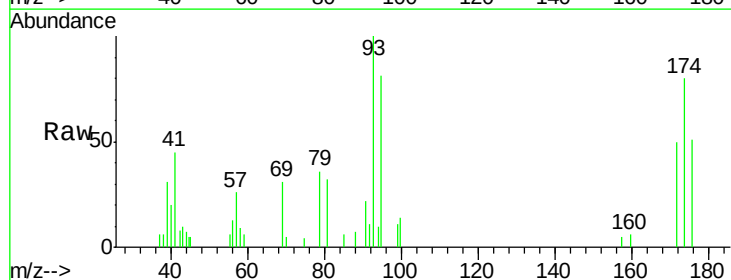
Manual Integrations
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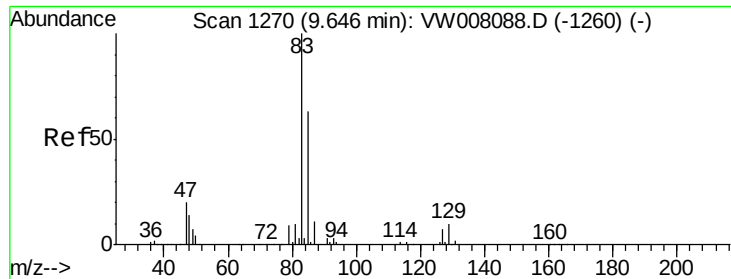
MMDadoda
 1/9/2019 11:07:32 AM



#46
 Dibromomethane
 Concen: 5.392 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion: 93 Resp: 2558
 Ion Ratio Lower Upper
 93 100
 95 80.8 67.5 101.3
 174 88.5 72.5 108.7





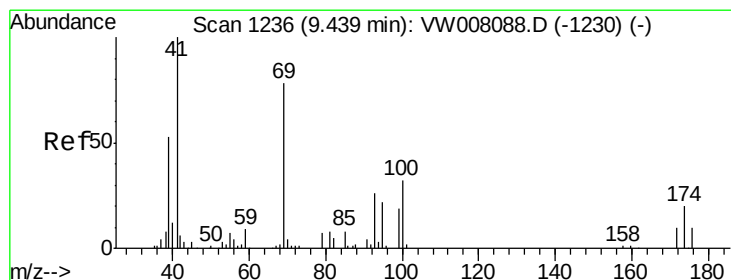
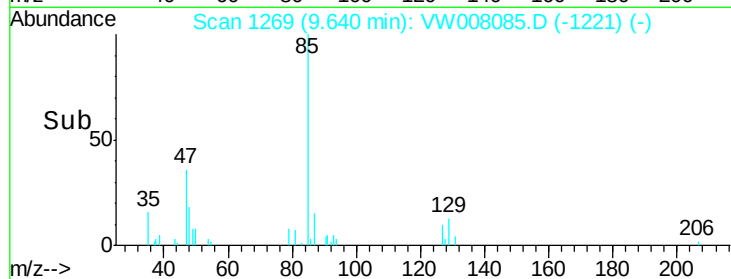
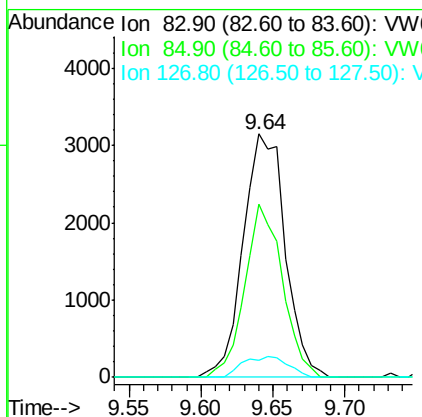
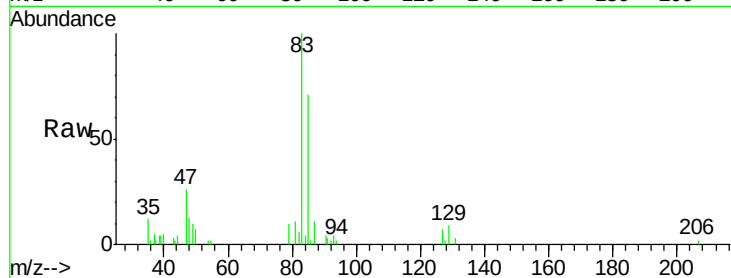
#47
 Bromodichloromethane
 Concen: 4.812 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	6339
Ion Ratio	100	Lower	Upper
83	100		
85	70.9	50.7	76.1
127	6.9	6.0	9.0

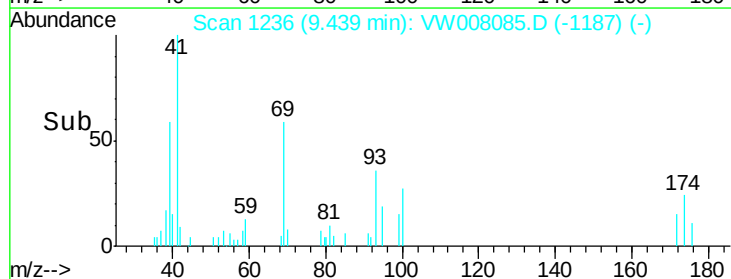
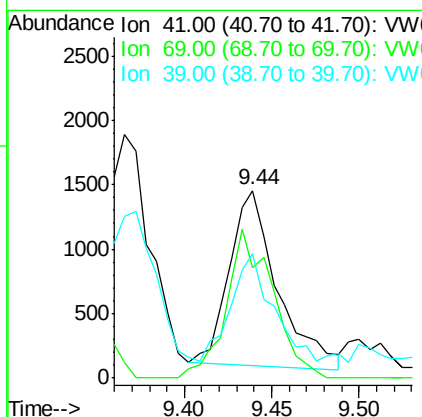
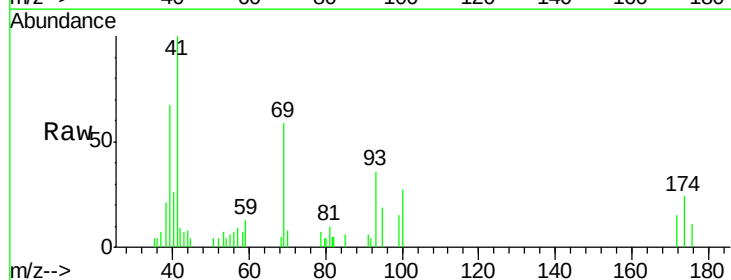
Manual Integrations
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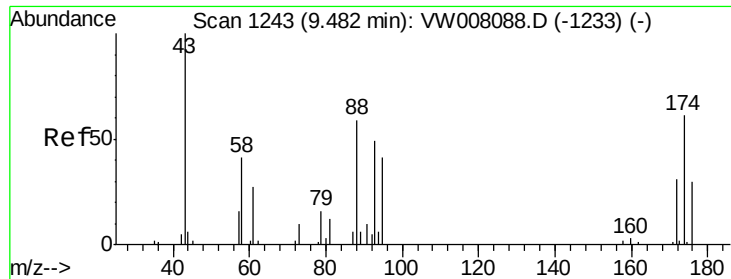
MMDadoda
 1/9/2019 11:07:32 AM



#48
 Methyl methacrylate
 Concen: 5.745 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion	41	Resp	2604
Ion Ratio	100	Lower	Upper
41	100		
69	82.0	61.9	92.9
39	66.1	43.0	64.4#





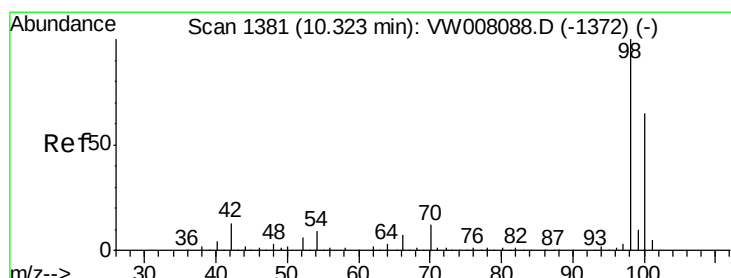
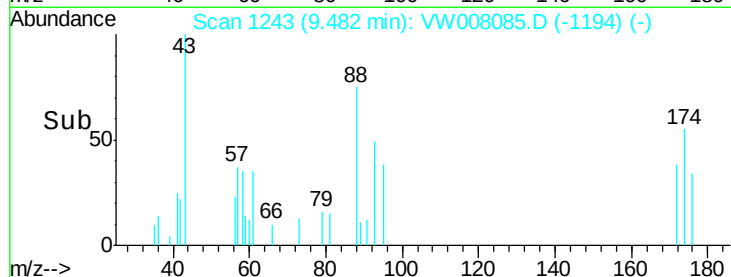
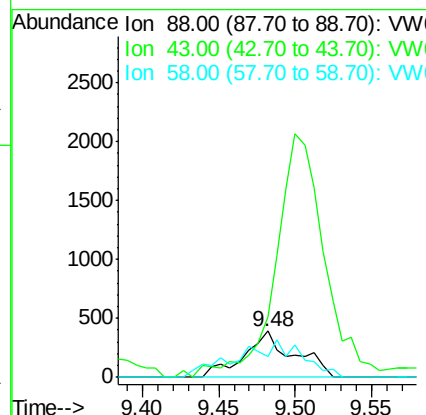
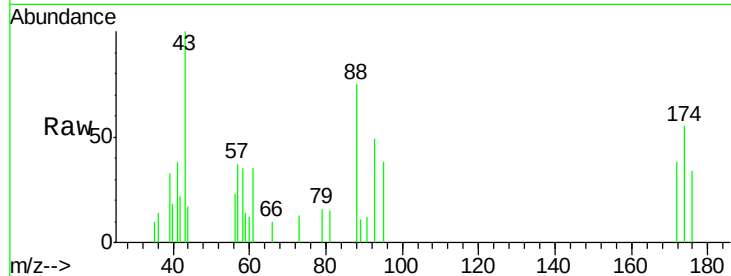
#49
 1,4-Dioxane
 Concen: 124.158 ug/l
 RT: 9.48 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

Tot Ion	88	Resp	882
Ion	Ratio	Lower	Upper
88	100		
43	522.8	0.0	0.0#
58	49.1	61.7	92.5#

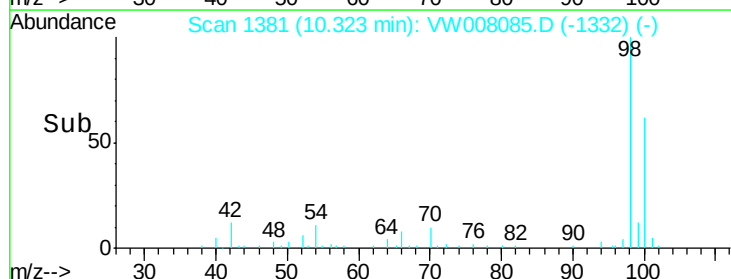
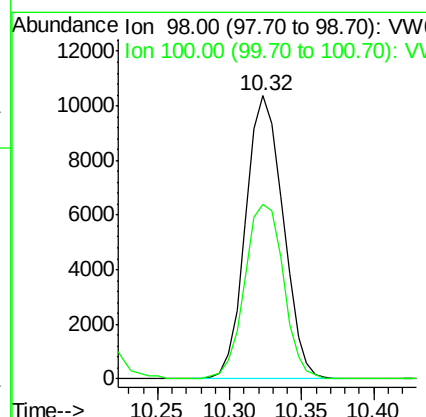
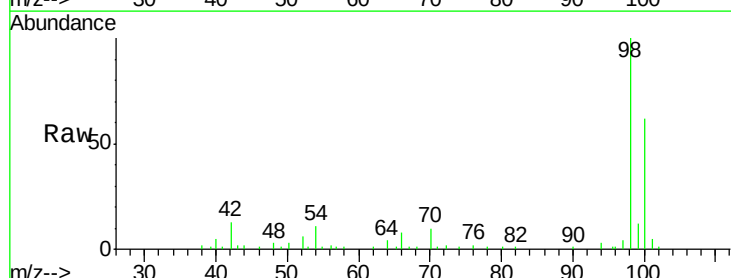
Manual Integrations
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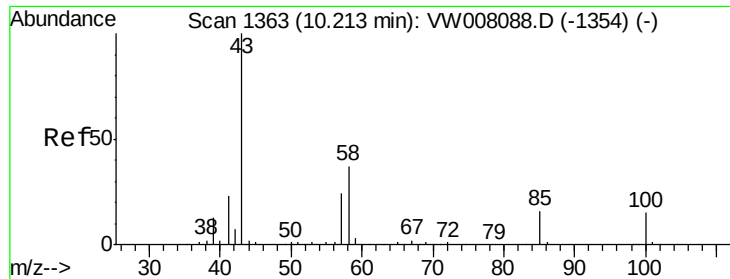
MMDadoda
 1/9/2019 11:07:32 AM



#50
 Toluene-d8
 Concen: 5.411 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion	98	Resp	18723
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 36.427 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 15340

Ion Ratio Lower Upper

43 100

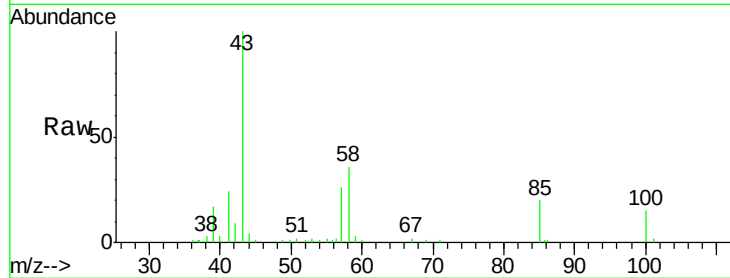
58 38.7 30.6 46.0

Manual Integrations

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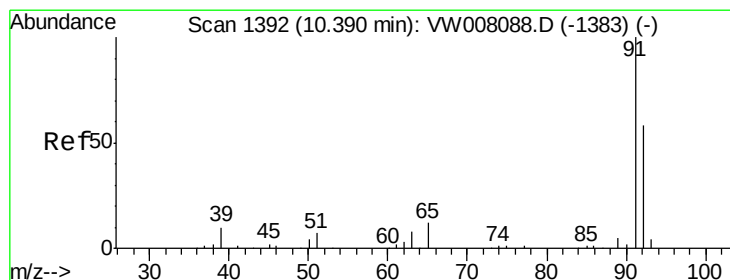
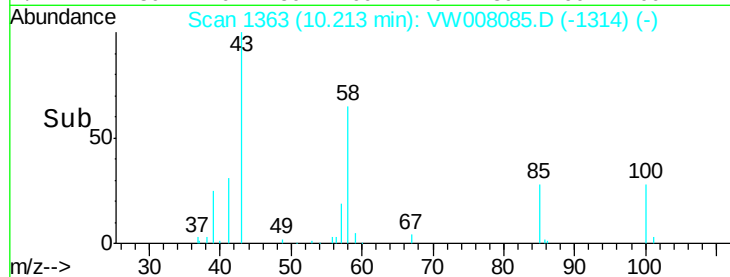
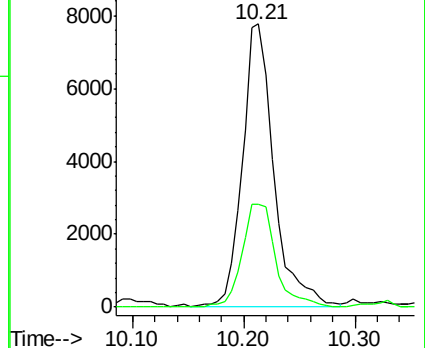
MMDadoda

1/9/2019 11:07:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 5.454 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008085.D

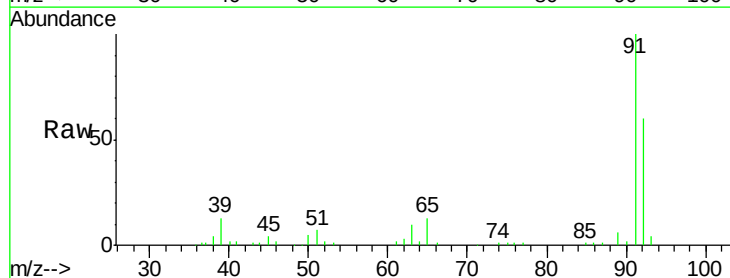
Acq: 08 Jan 2019 14:45

Tgt Ion: 92 Resp: 13609

Ion Ratio Lower Upper

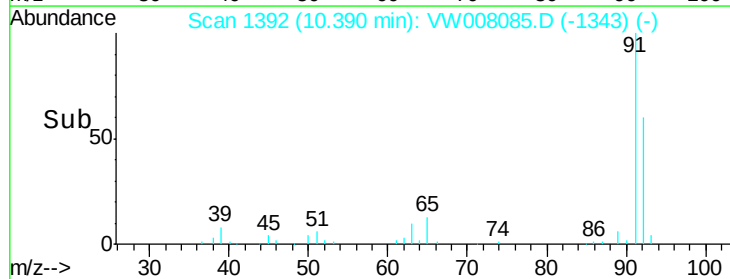
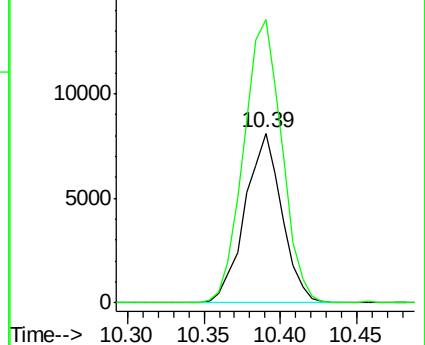
92 100

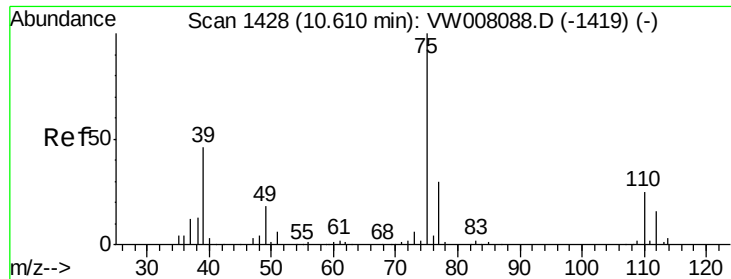
91 173.0 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





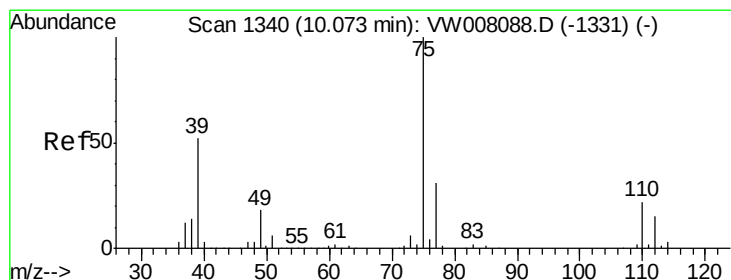
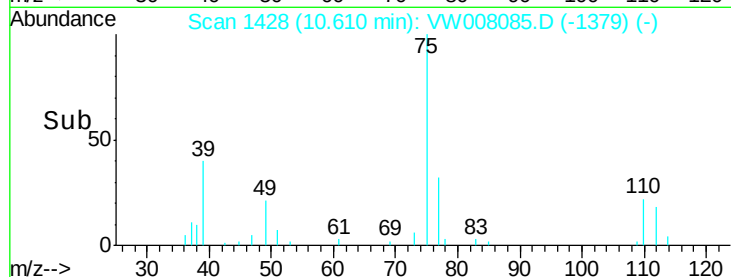
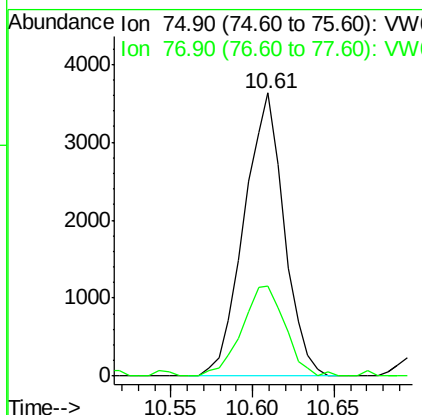
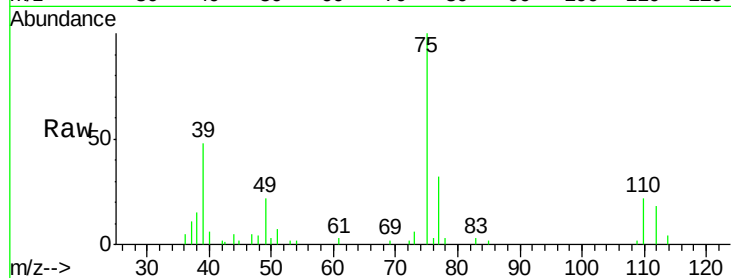
#53
t-1,3-Dichloropropene
Concen: 4.836 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 6204
Ion Ratio Lower Upper
75 100
77 31.9 24.4 36.6

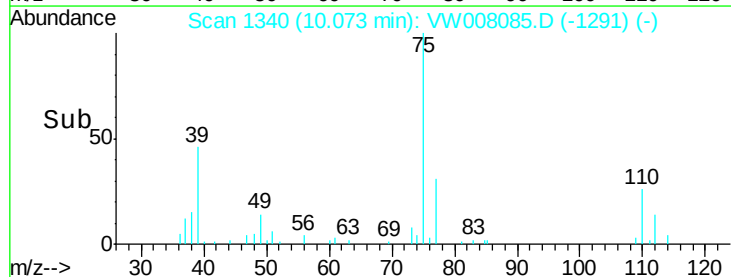
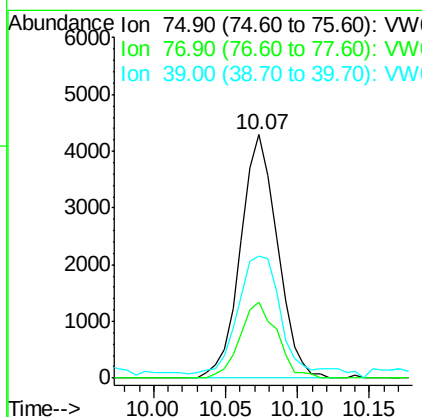
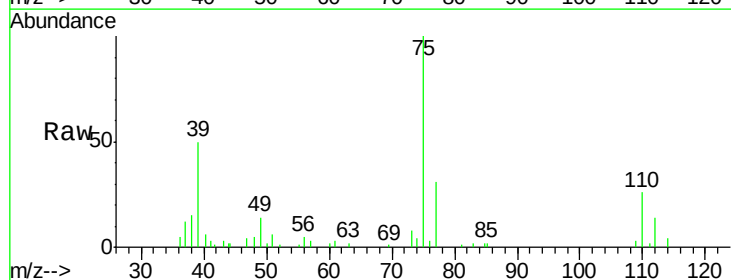
Manual Integrations
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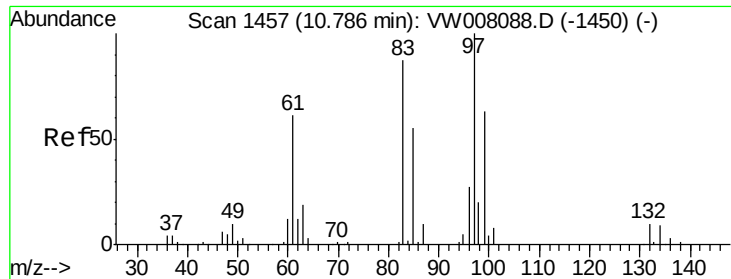
MMDadoda
1/9/2019 11:07:32 AM



#54
cis-1,3-Dichloropropene
Concen: 5.283 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion: 75 Resp: 7633
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
39 46.4 41.4 62.0





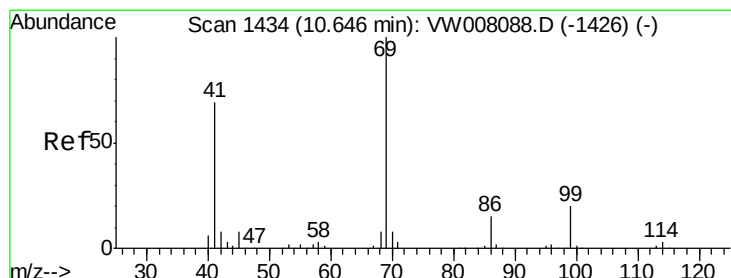
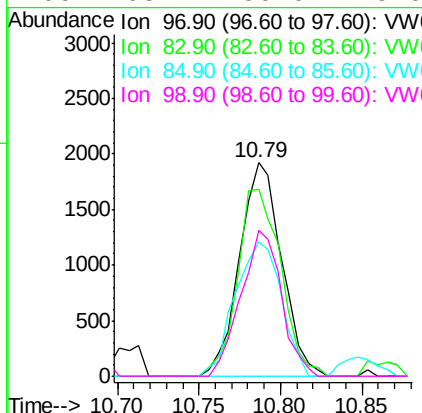
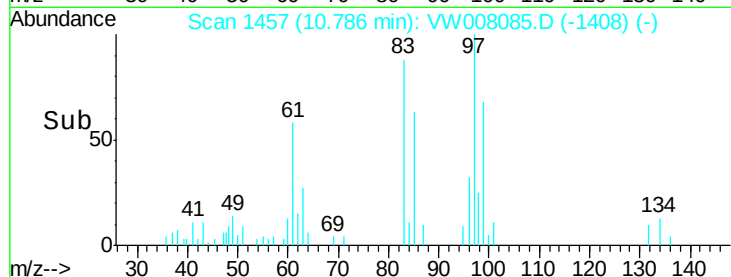
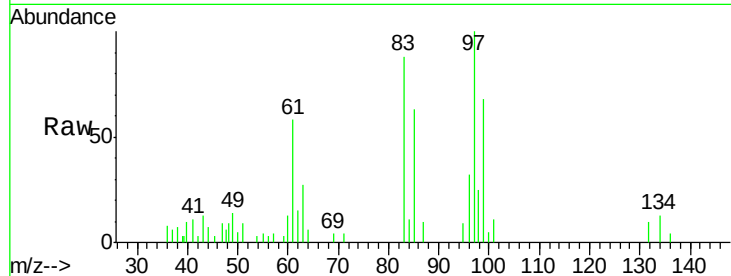
#55
1,1,2-Trichloroethane
Concen: 5.350 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	97	Resp:	3446
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.3	103.9
85	62.7	43.8	65.6
99	68.4	50.0	75.0

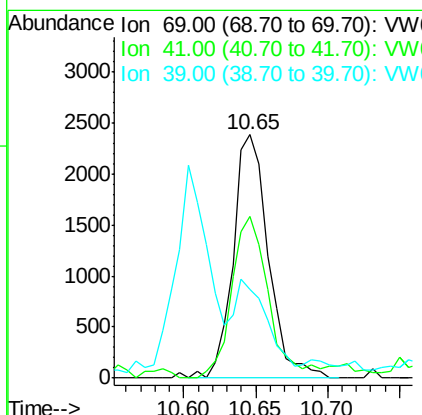
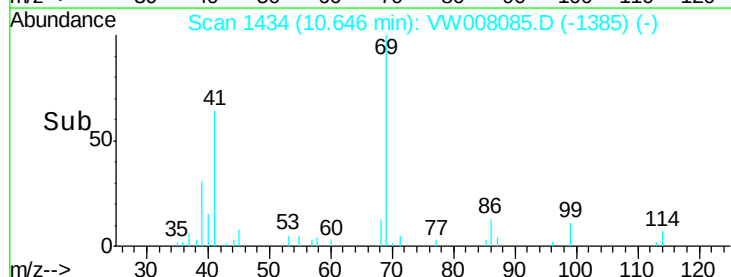
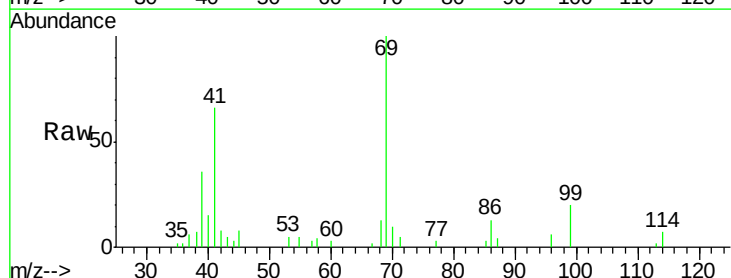
Manual Integrations
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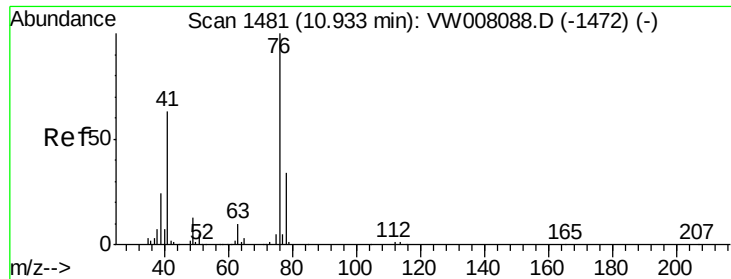
MMDadoda
1/9/2019 11:07:32 AM



#56
Ethyl methacrylate
Concen: 5.431 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion:	69	Resp:	4058
Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.4	84.6
39	31.5	28.1	42.1





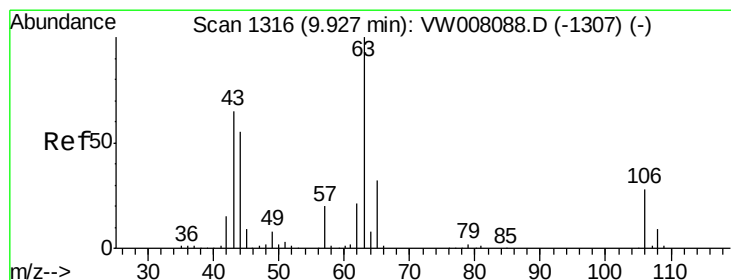
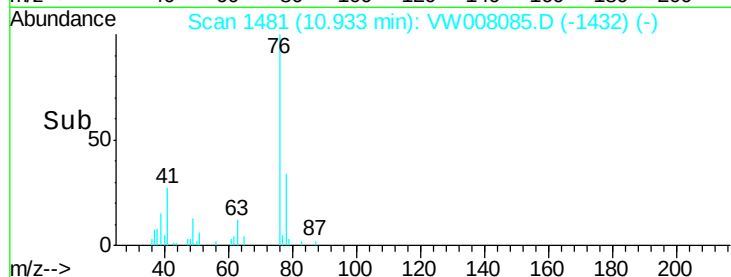
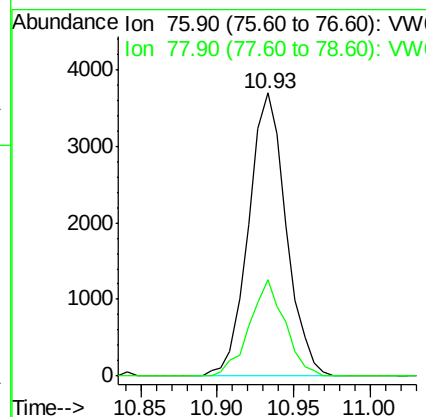
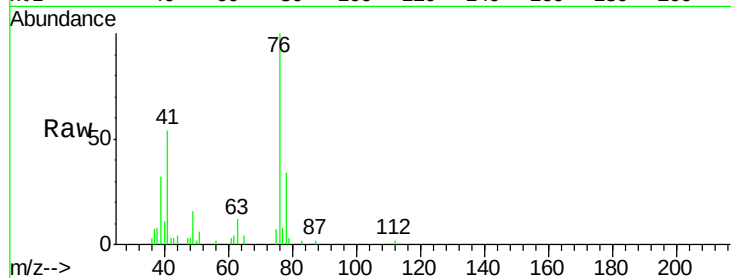
#57
 1,3-Dichloropropane
 Concen: 5.644 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 6312
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

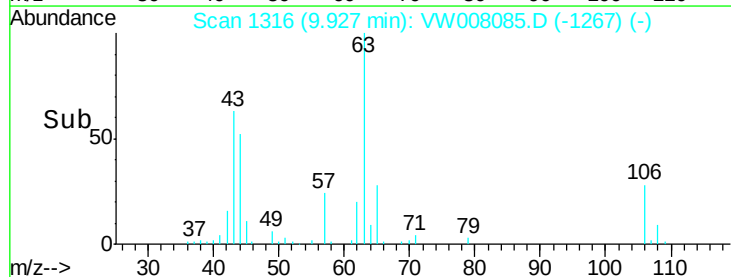
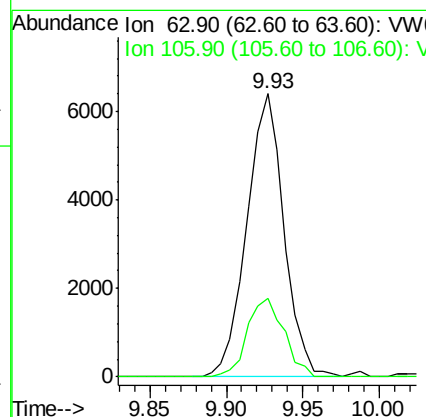
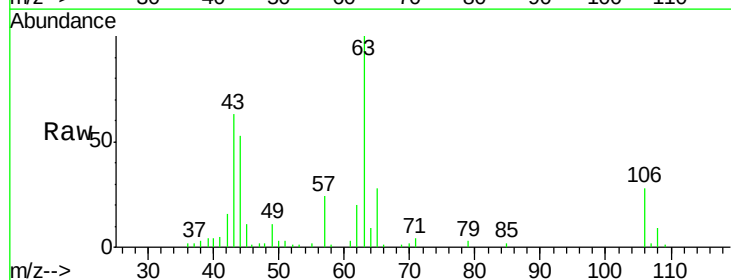
Manual Integrations
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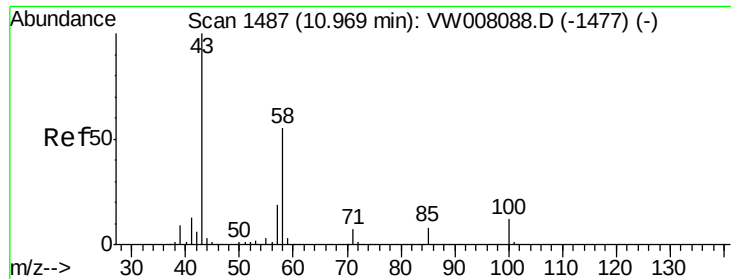
MMDadoda
 1/9/2019 11:07:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 29.613 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion: 63 Resp: 10804
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.8 32.6





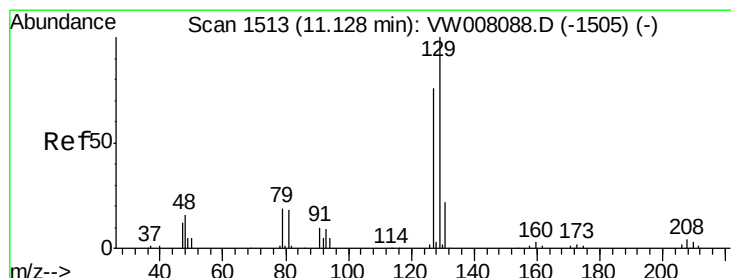
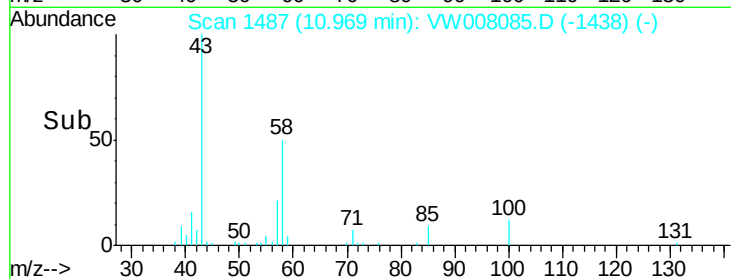
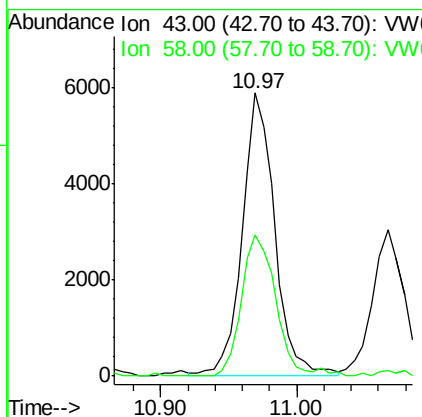
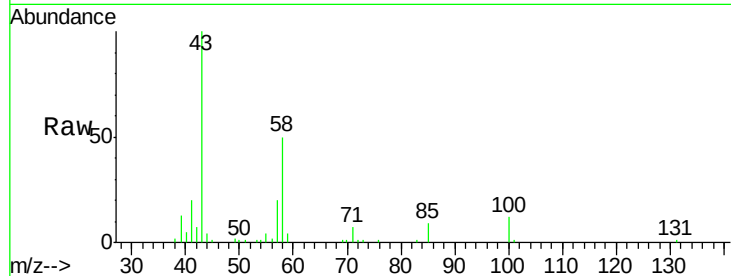
#59
2-Hexanone
Concen: 34.083 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 9877
Ion Ratio Lower Upper
43 100
58 51.6 27.2 81.5

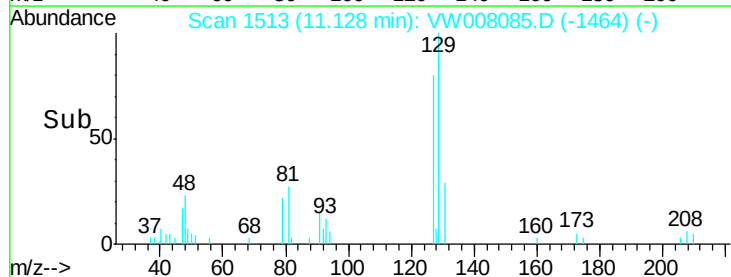
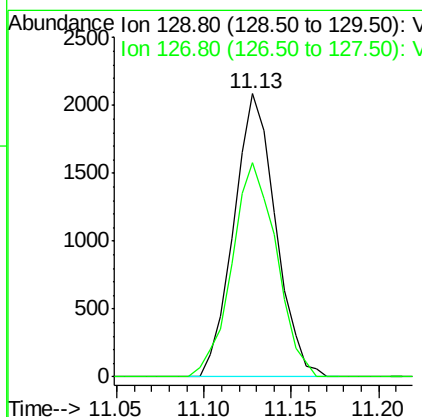
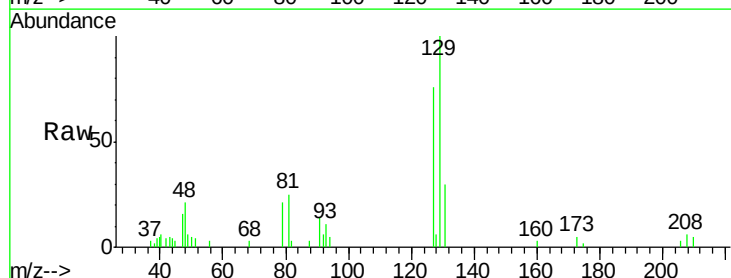
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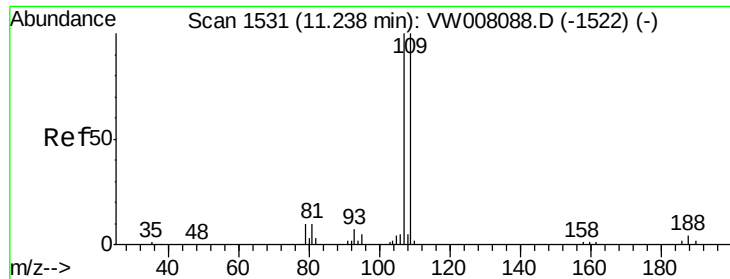
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1/9/2019 11:07:32 AM



#60
Dibromochloromethane
Concen: 4.029 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion: 129 Resp: 3471
Ion Ratio Lower Upper
129 100
127 80.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 4.876 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 3145

Ion Ratio Lower Upper

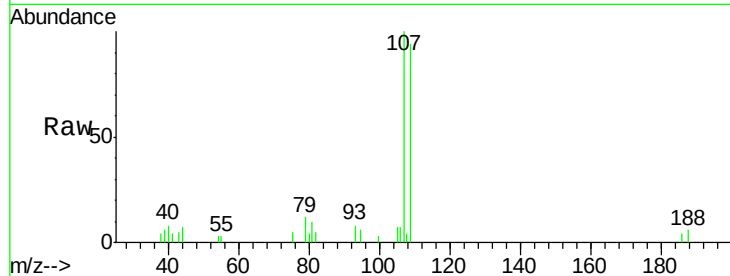
107 100

109 101.5 75.9 113.9

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1/9/2019 11:07:32 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

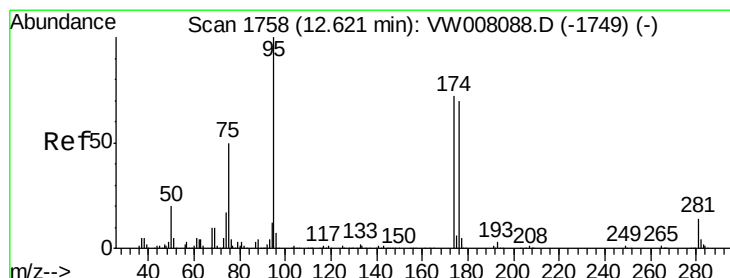
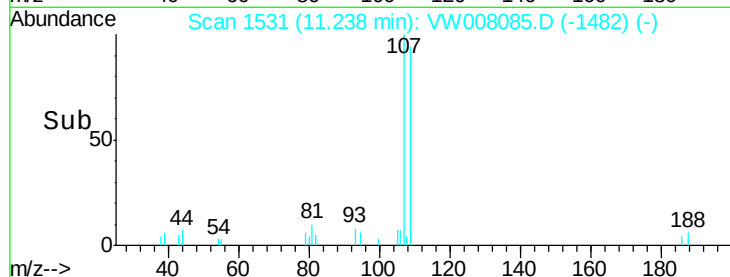
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 5.420 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

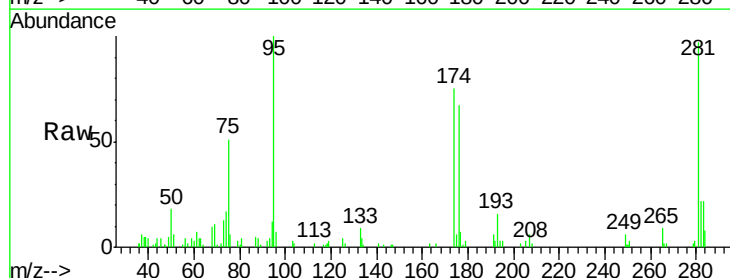
Tgt Ion: 95 Resp: 7109

Ion Ratio Lower Upper

95 100

174 74.3 0.0 143.0

176 66.6 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

6000

5000

4000

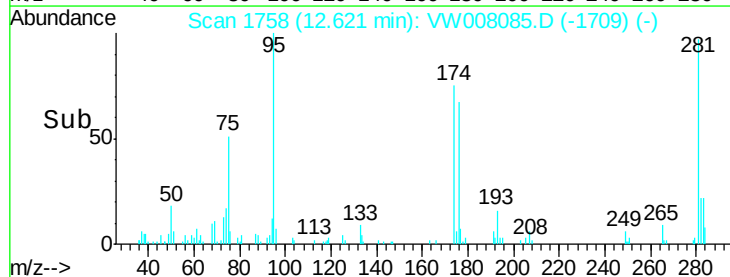
3000

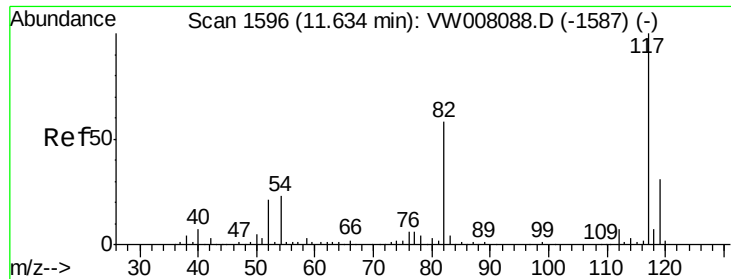
2000

1000

0

Time-->





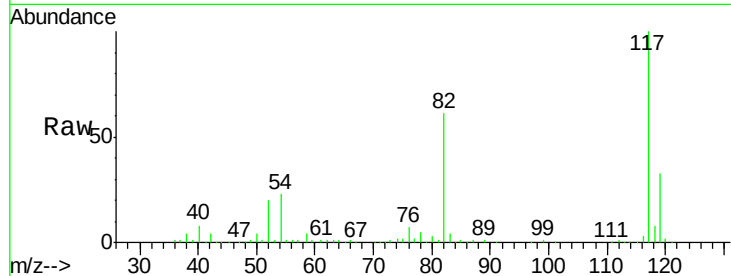
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	46.4	69.6
119	33.3	24.7	37.1

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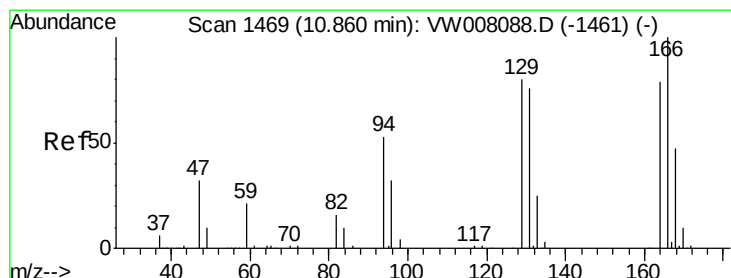
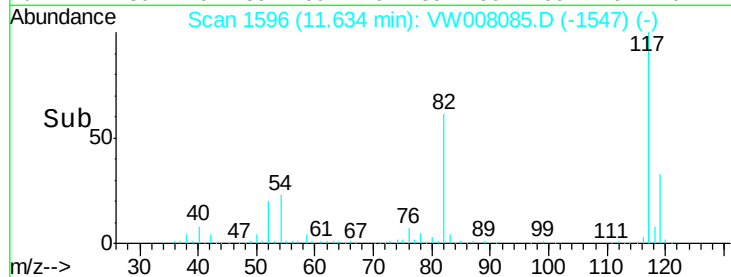
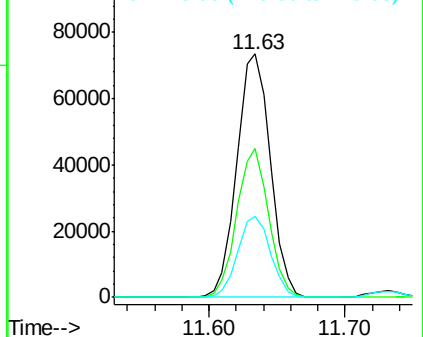


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.644 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.3	100.7	151.1
129	94.8	81.0	121.4
131	70.8	76.1	114.1#

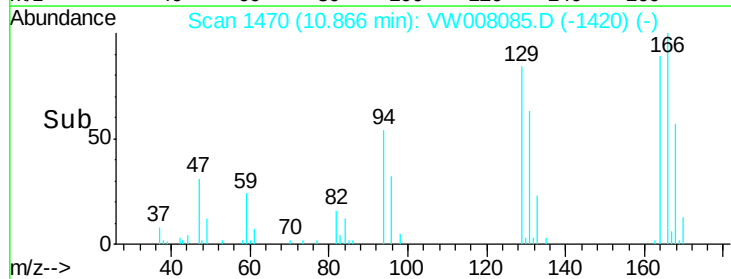
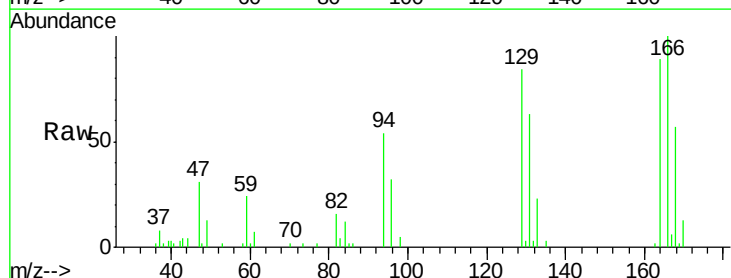
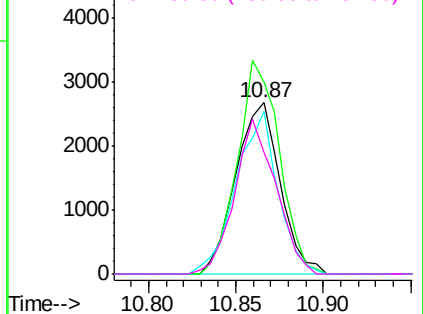
Abundance

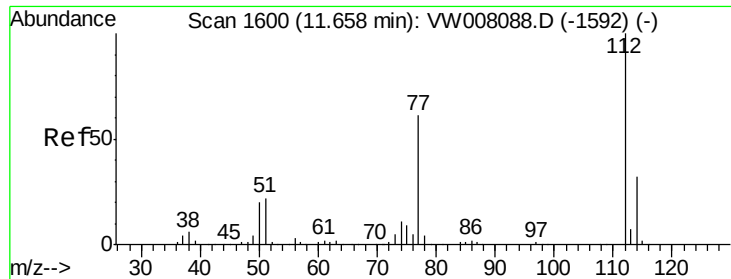
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 5.443 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 14432

Ion Ratio Lower Upper

112 100

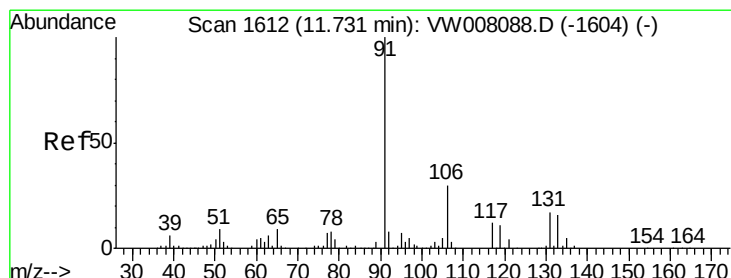
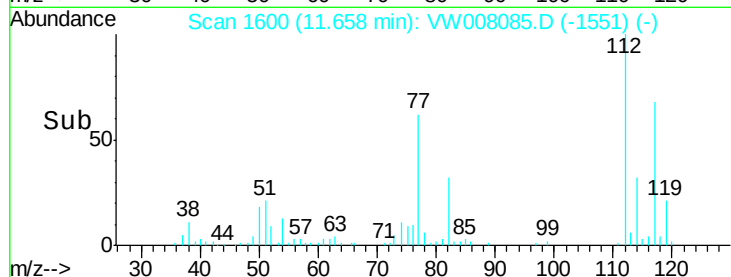
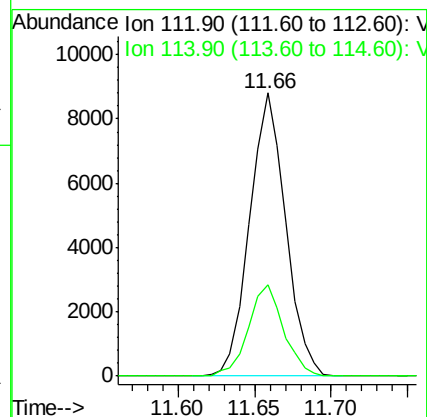
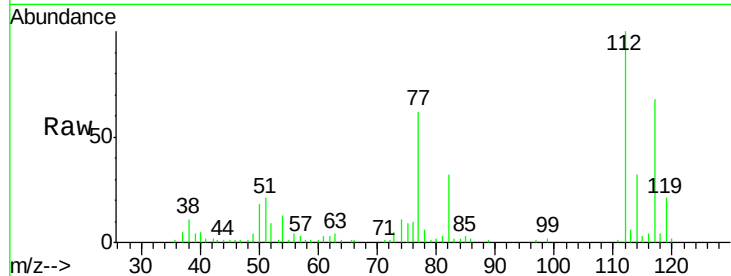
114 32.3 25.6 38.4

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1/9/2019 11:07:32 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 4.892 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

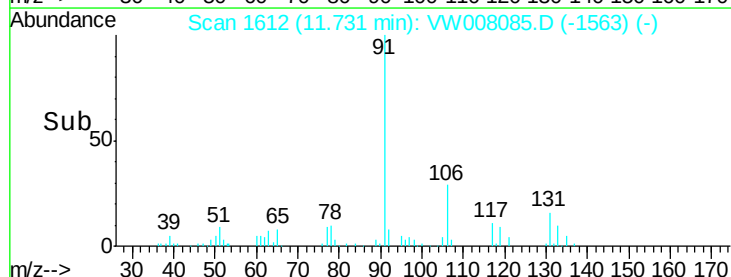
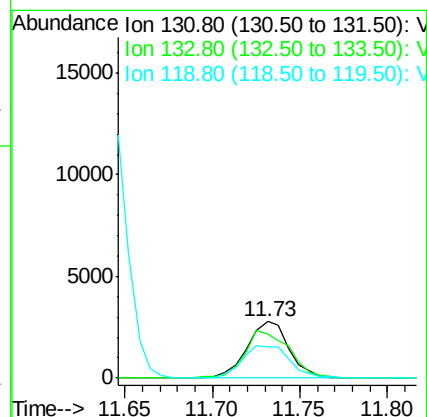
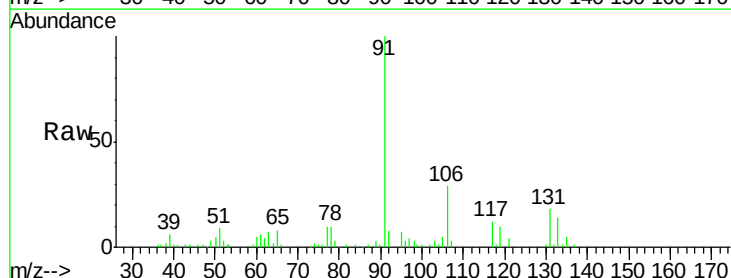
Tgt Ion:131 Resp: 4636

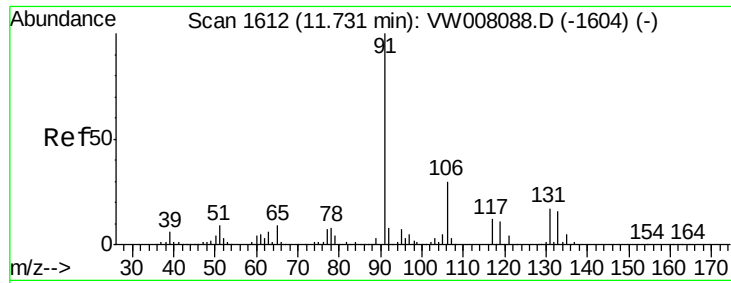
Ion Ratio Lower Upper

131 100

133 89.3 47.9 143.7

119 65.3 32.5 97.4





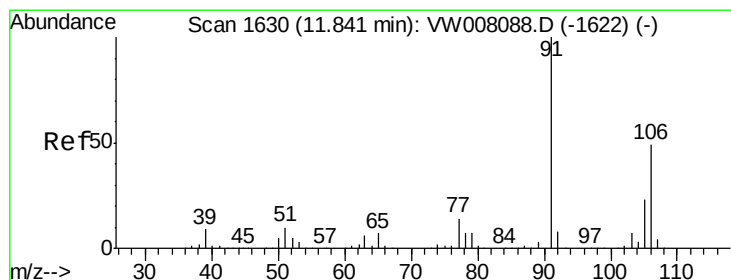
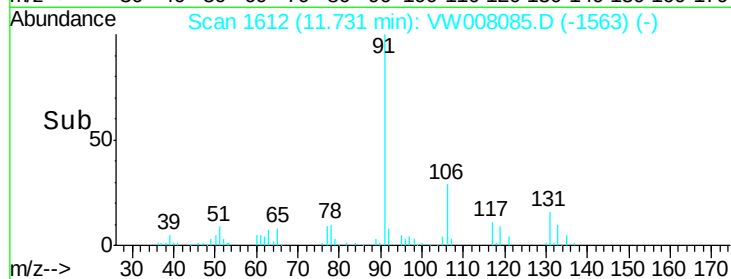
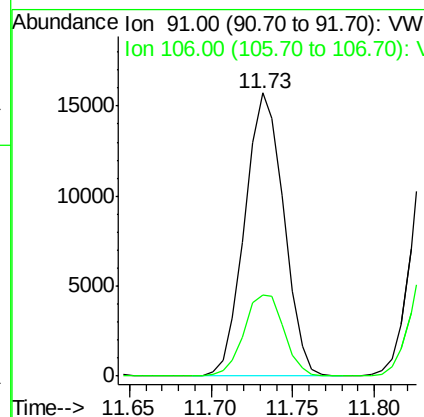
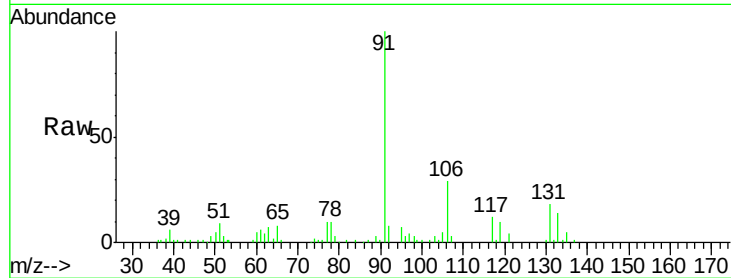
#67
Ethyl Benzene
Concen: 5.524 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	28.6	24.2	36.4	

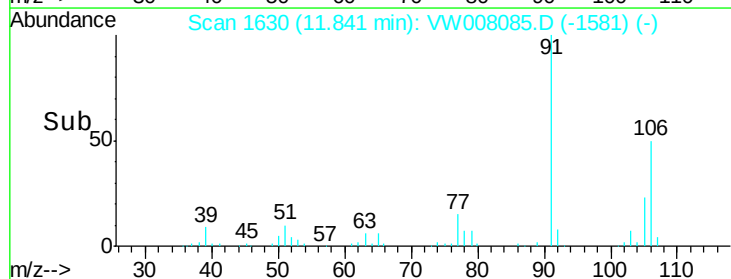
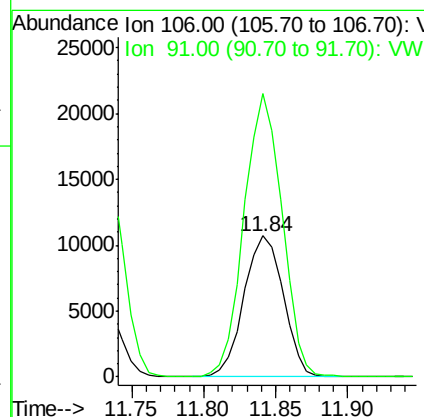
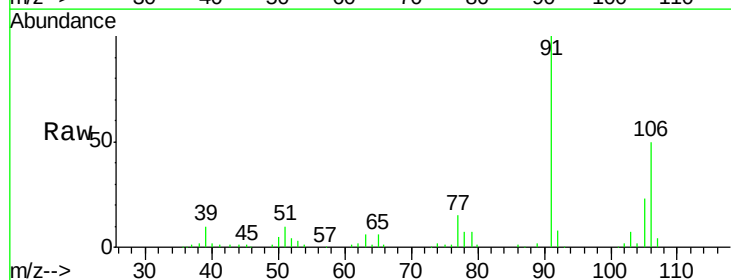
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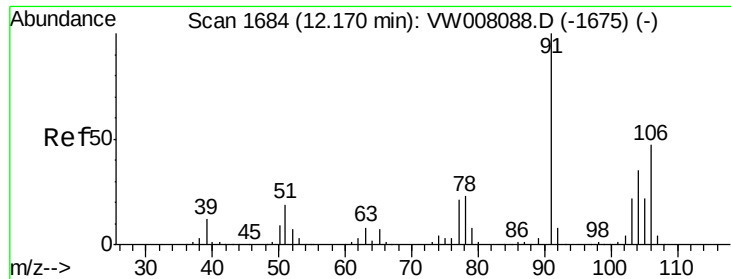
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1/9/2019 11:07:32 AM



#68
m/p-Xylenes
Concen: 11.144 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	194.0	162.4	243.6	





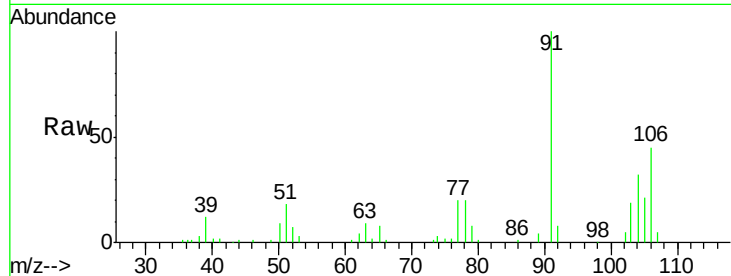
#69
o-Xylene
Concen: 5.371 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

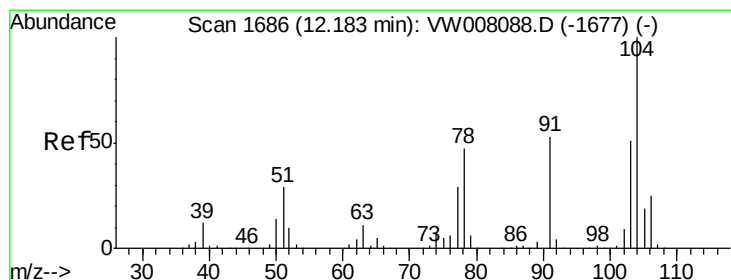
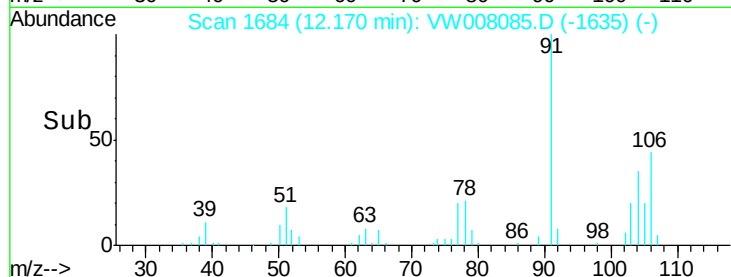
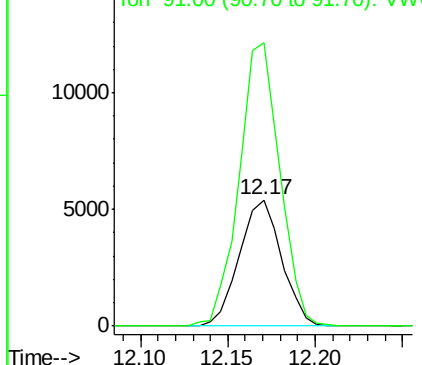
Tot Ion:106 Resp: 9129
Ion Ratio Lower Upper
106 100
91 214.9 107.8 323.6

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1/9/2019 11:07:32 AM

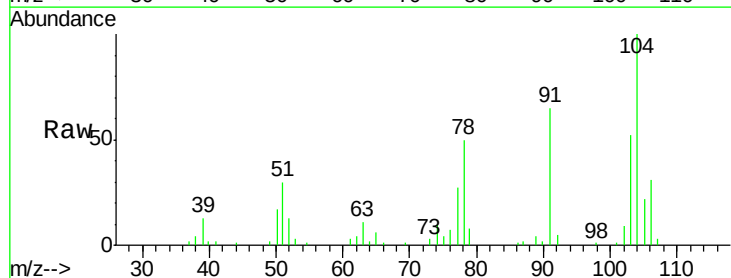


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

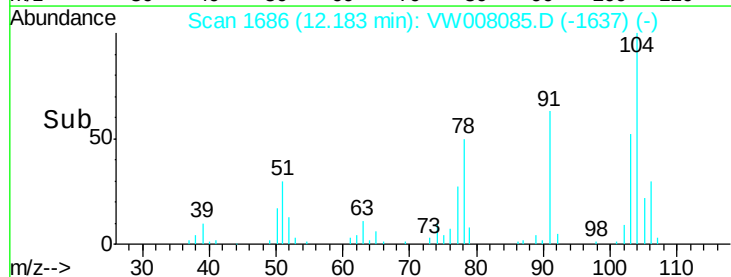
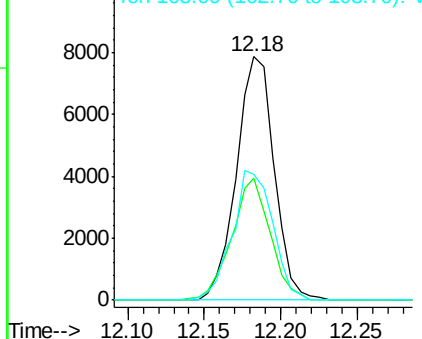


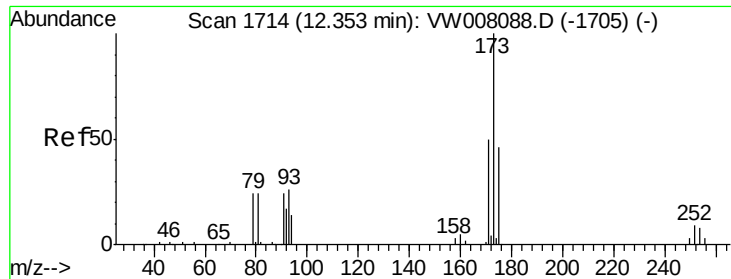
#70
Styrene
Concen: 4.869 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion:104 Resp: 13454
Ion Ratio Lower Upper
104 100
78 51.2 41.8 62.8
103 57.2 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





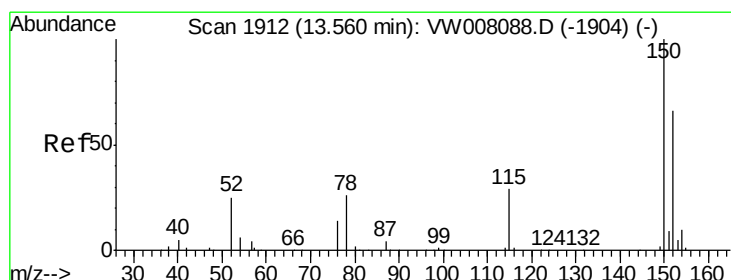
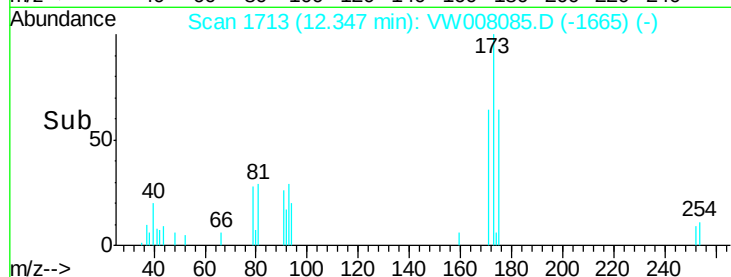
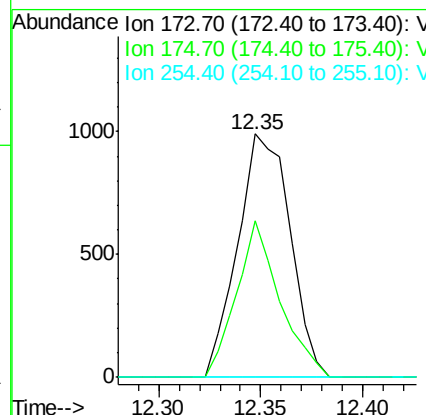
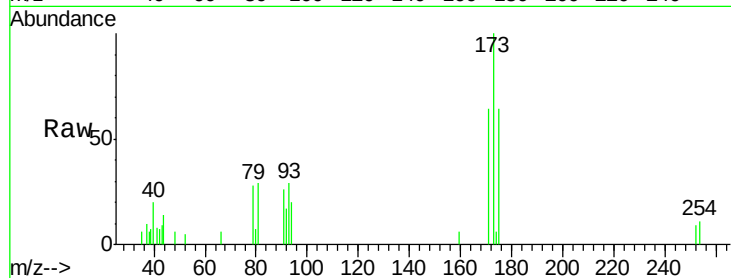
#71
Bromoform
Concen: 4.030 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.3	23.3	69.8
254	0.0	0.0	0.0

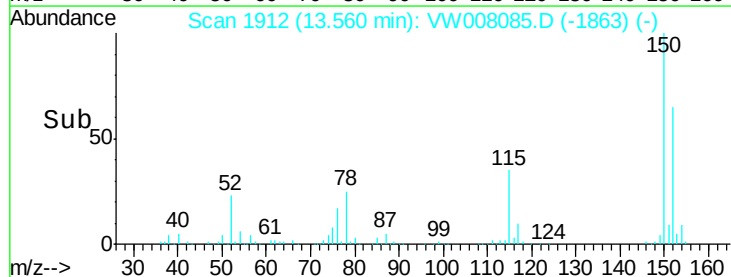
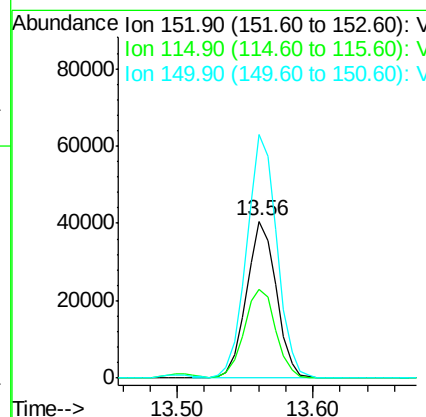
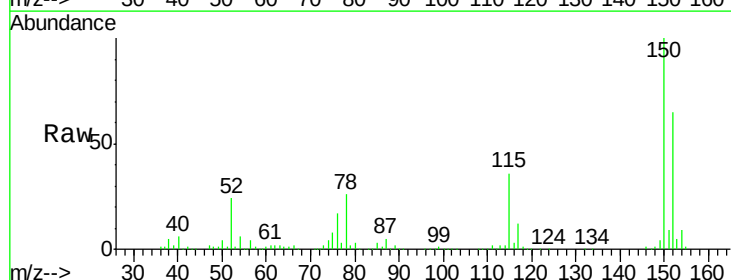
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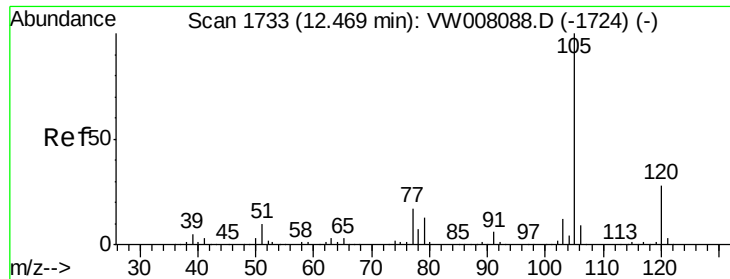
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1/9/2019 11:07:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.8	92.4
150	157.7	0.0	350.2





#73

Isopropylbenzene

Concen: 5.217 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 25398

Ion Ratio Lower Upper

105 100

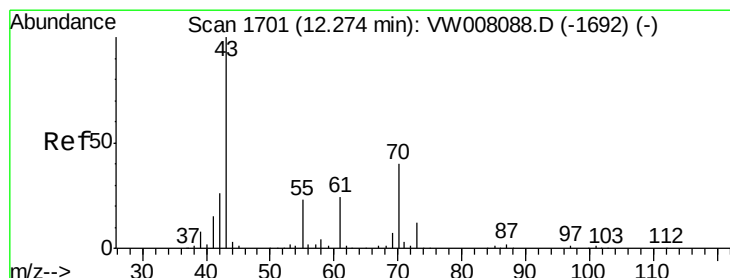
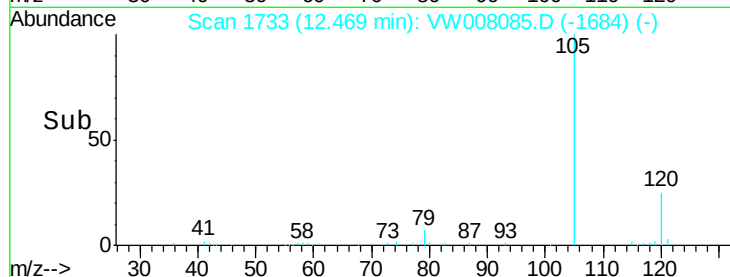
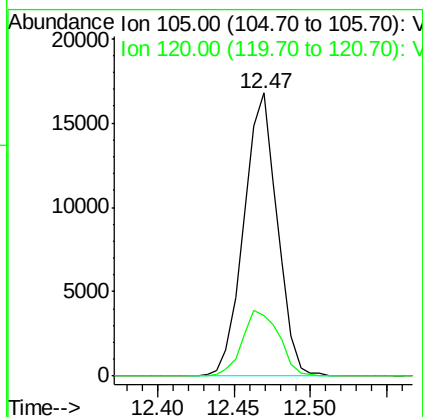
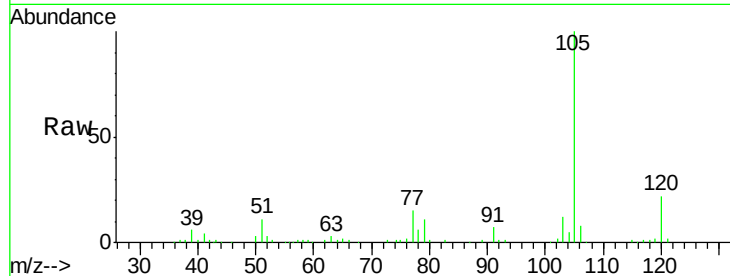
120 25.7 13.6 40.8

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1/9/2019 11:07:32 AM



#74

N-ethyl acetate

Concen: 6.588 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Tgt Ion: 43 Resp: 5336

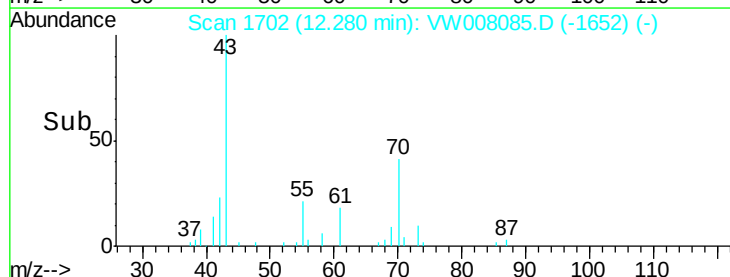
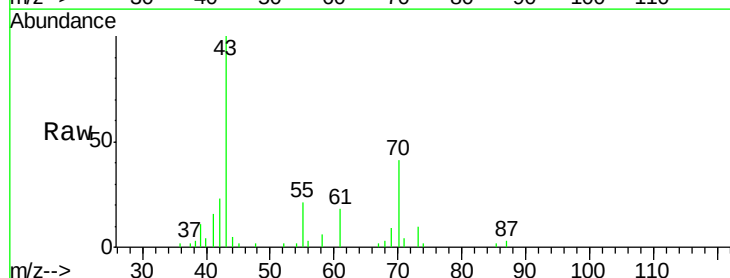
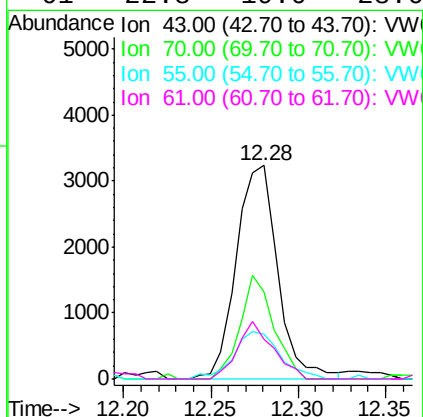
Ion Ratio Lower Upper

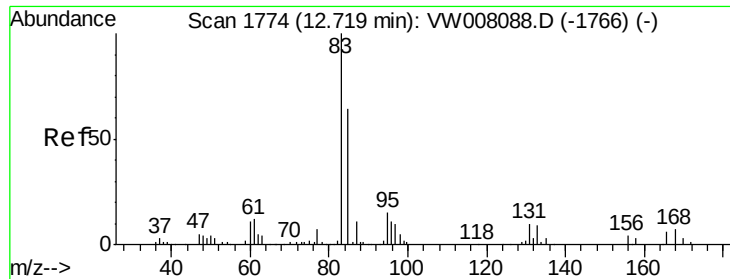
43 100

70 39.2 32.4 48.6

55 24.7 18.7 28.1

61 22.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 6.153 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

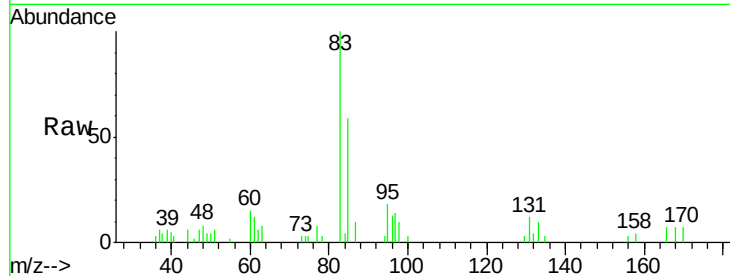
ClientSampled :

VSTDIC005

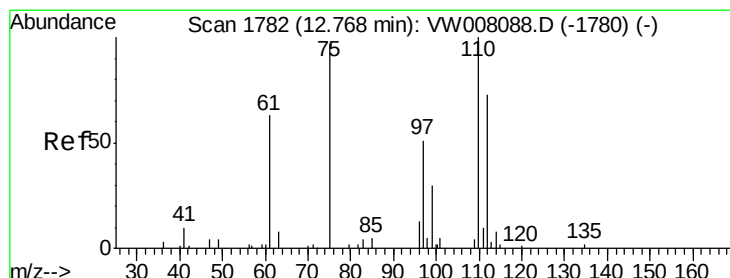
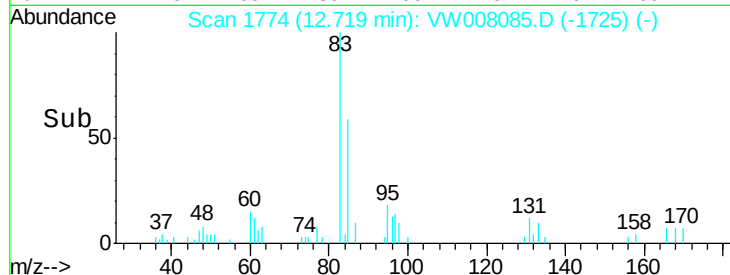
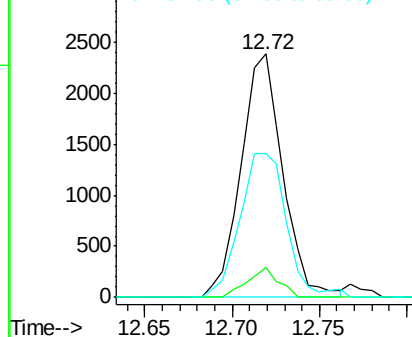
Tot Ion:	83	Resp:	3952
Ion	Ratio	Lower	Upper
83	100		
131	9.1	5.3	16.1
85	66.3	32.4	97.2

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): VW
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 6.353 ug/l m

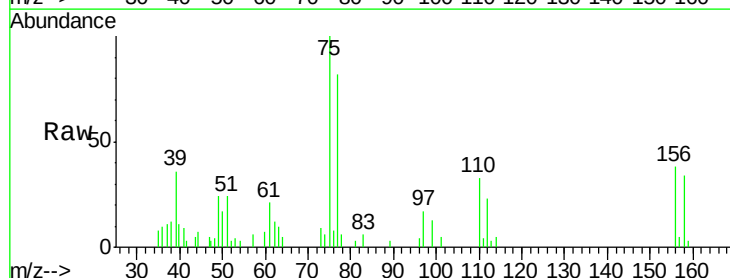
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

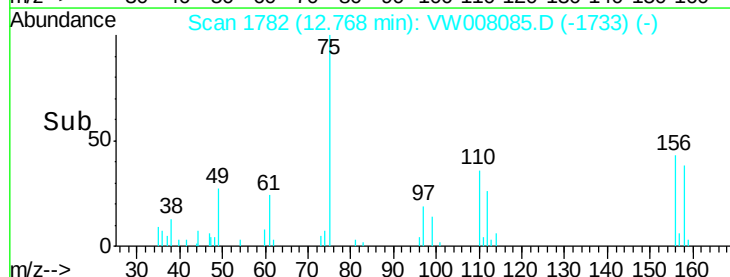
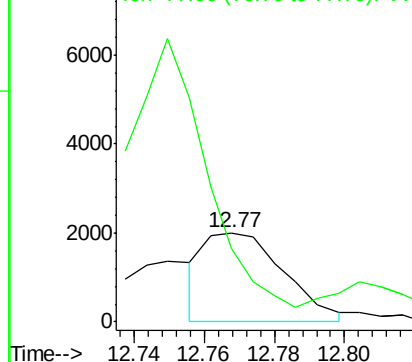
Lab File: VW008085.D

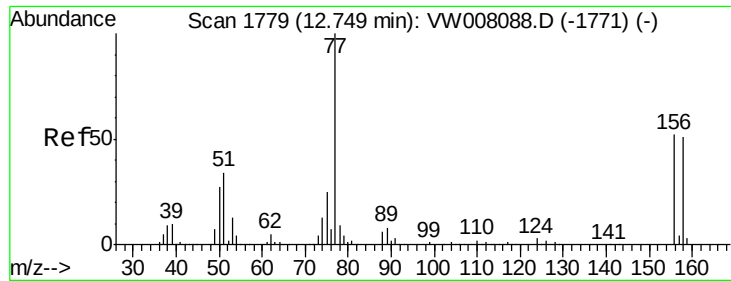
Acq: 08 Jan 2019 14:45

Tgt Ion:	75	Resp:	3175
Ion	Ratio	Lower	Upper
75	100		
77	339.7	179.4	538.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.403 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008085.D

Acq: 08 Jan 2019 14:45

Instrument :

MSVOA_W

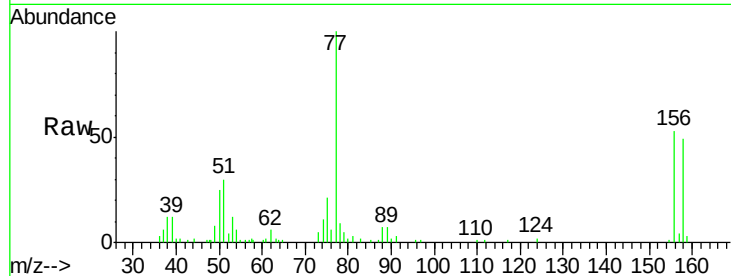
ClientSampled :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	192.4	104.2	312.5	
158	87.7	47.9	143.6	

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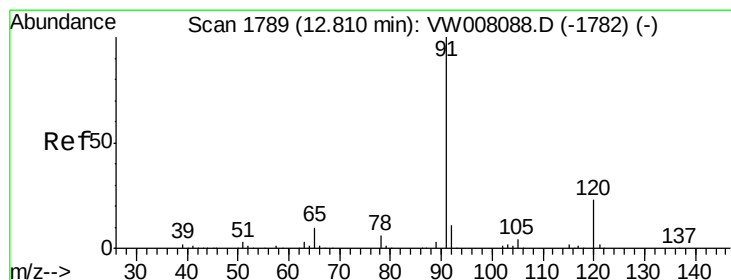
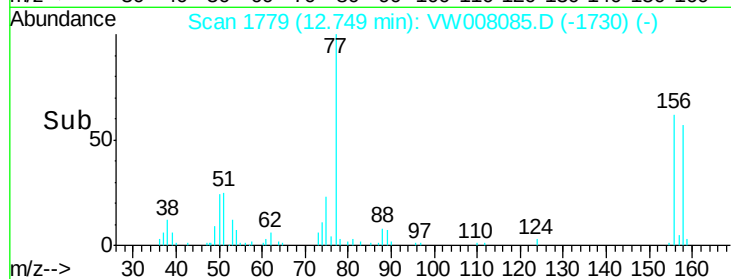
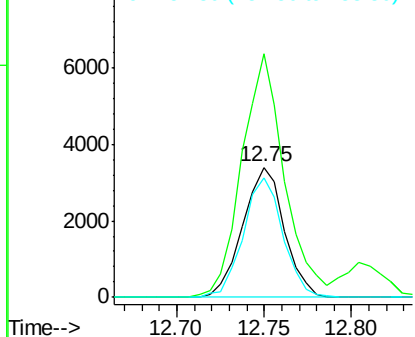
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1/9/2019 11:07:32 AM



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: 5.521 ug/l

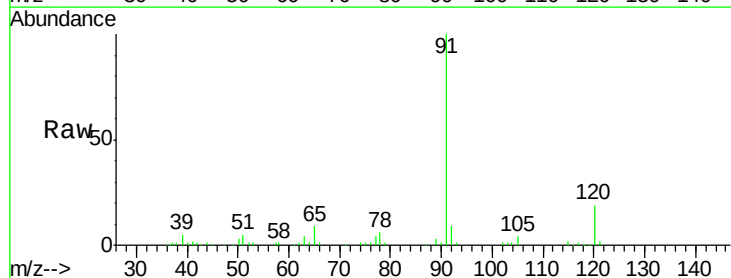
RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008085.D

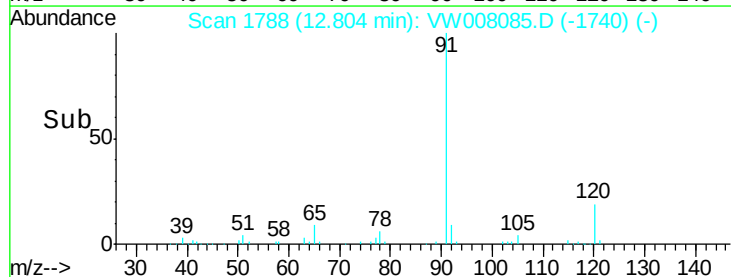
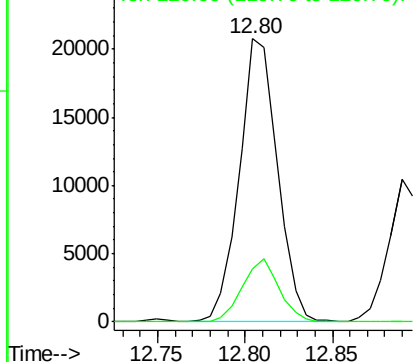
Acq: 08 Jan 2019 14:45

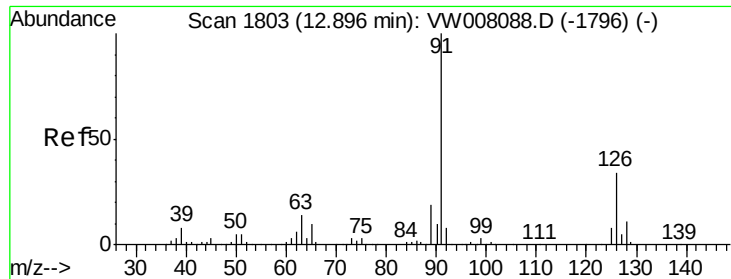
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	11.3	33.8	



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





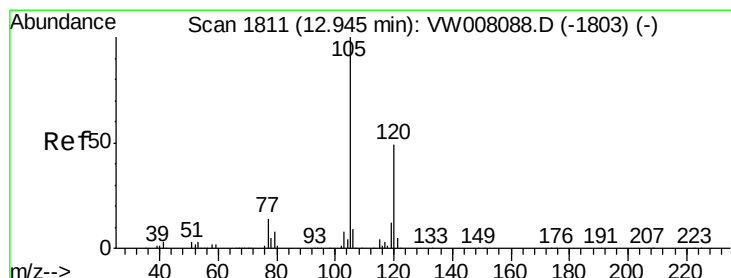
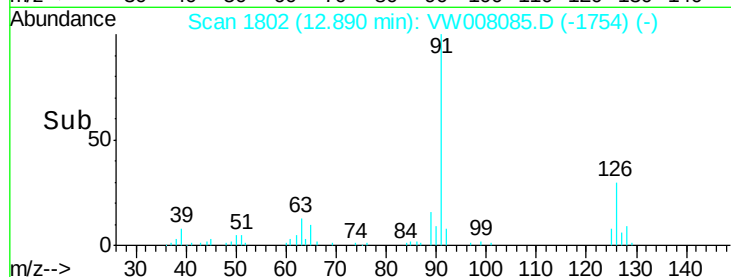
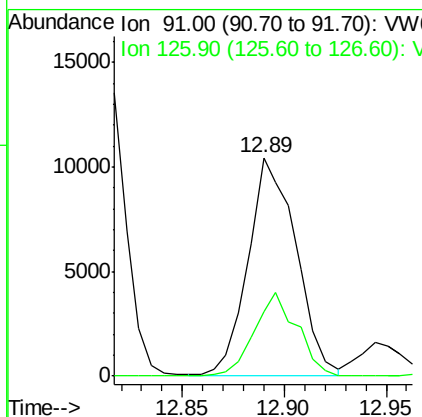
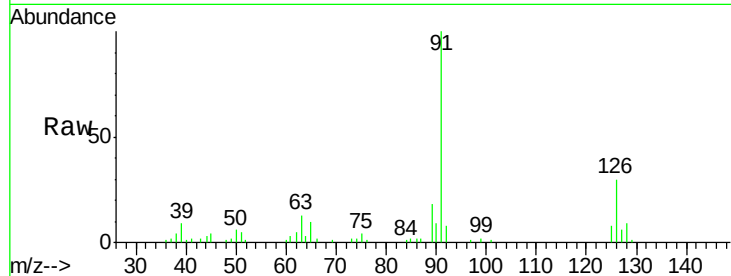
#79
2-Chlorotoluene
Concen: 5.243 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 17176
Ion Ratio Lower Upper
91 100
126 34.1 16.8 50.3

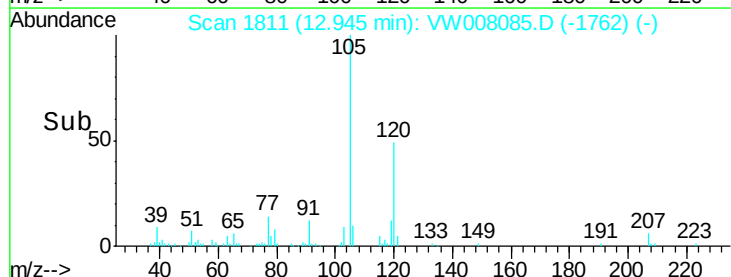
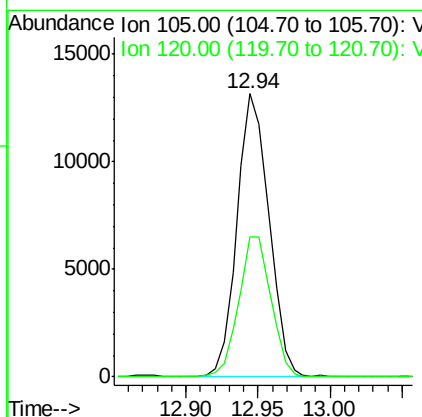
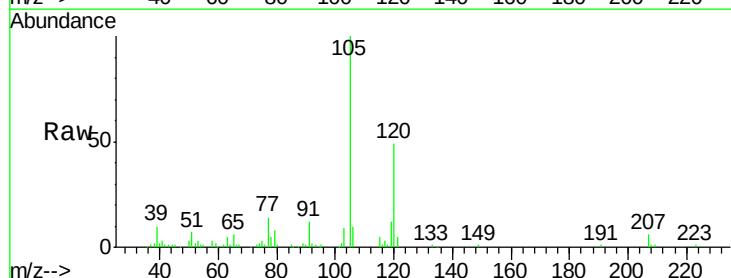
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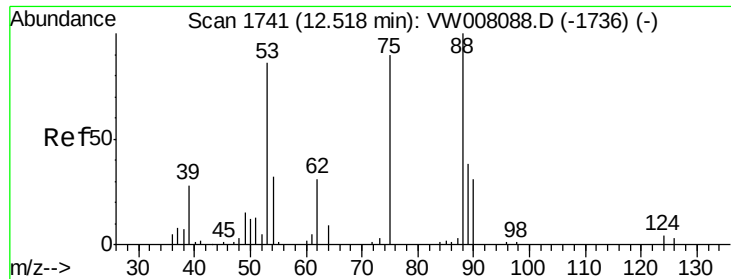
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#80
1,3,5-Trimethylbenzene
Concen: 4.895 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion:105 Resp: 20369
Ion Ratio Lower Upper
105 100
120 49.7 24.7 74.1





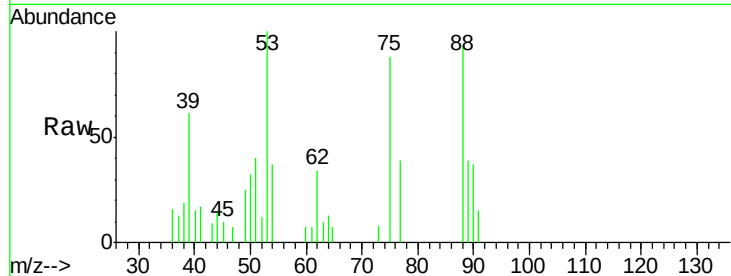
#81
trans-1,4-Dichloro-2-butene
Concen: 5.044 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

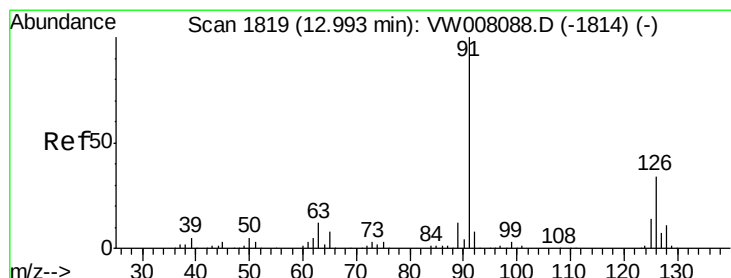
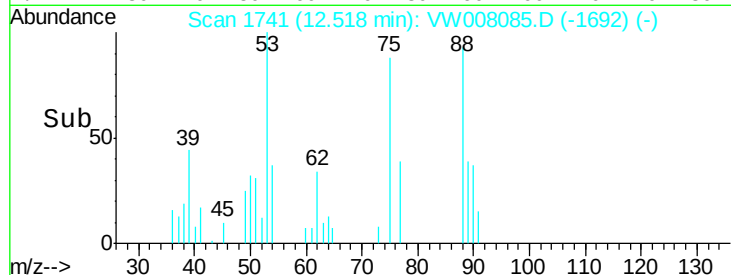
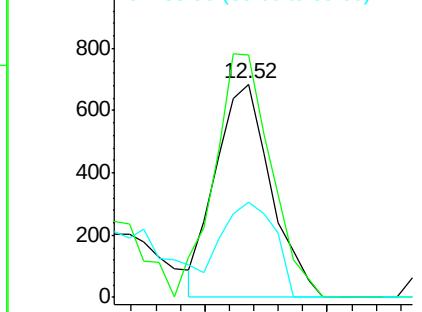
Tot Ion: 75 Resp: 1073
Ion Ratio Lower Upper
75 100
53 116.9 78.8 118.2
89 42.4 35.4 53.2

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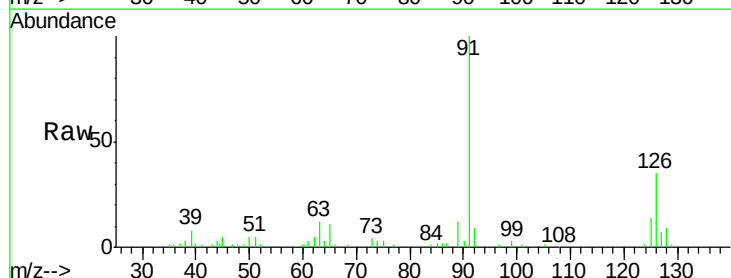


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

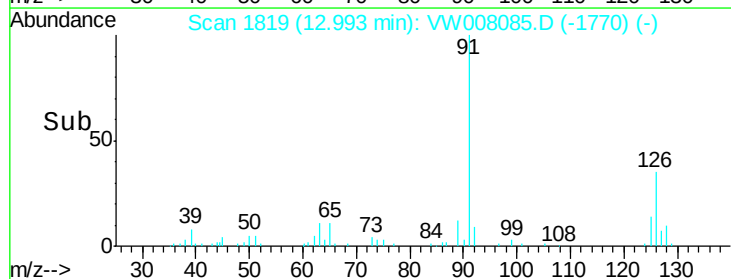
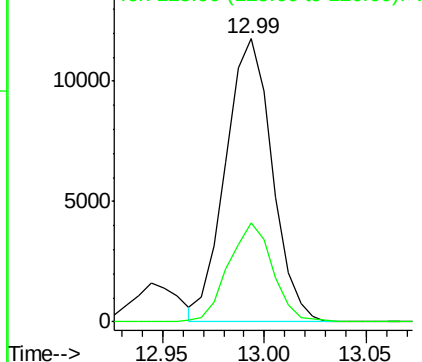


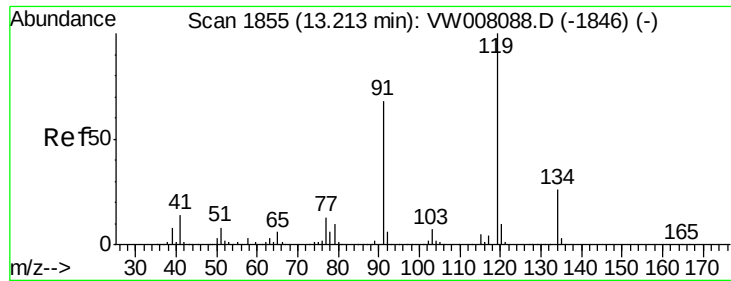
#82
4-Chlorotoluene
Concen: 5.347 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion: 91 Resp: 18614
Ion Ratio Lower Upper
91 100
126 33.4 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





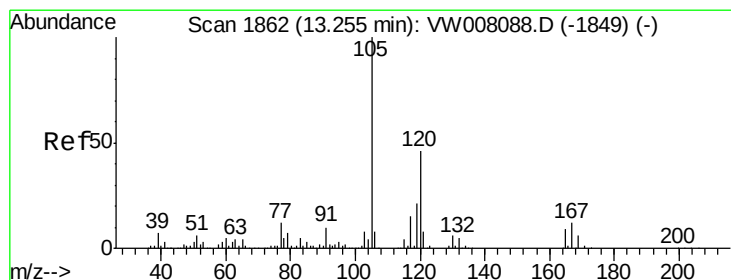
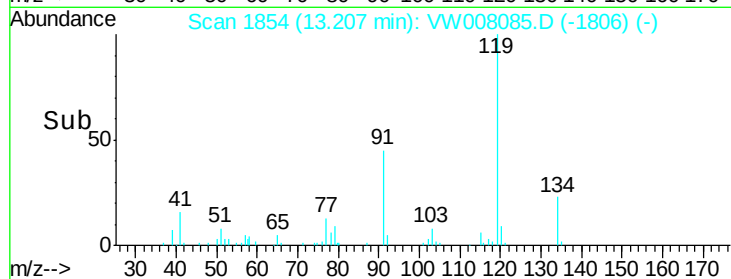
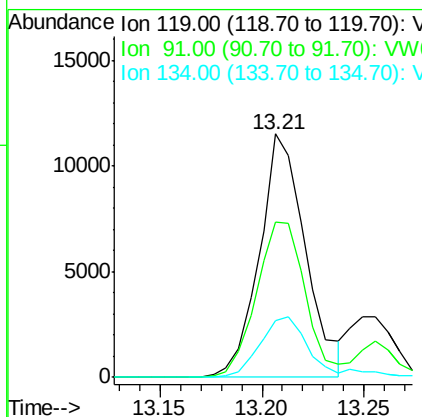
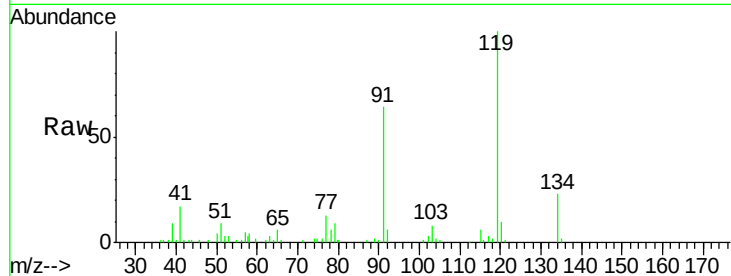
#83
tert-Butylbenzene
Concen: 4.957 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.9	101.6
134	27.7	13.6	40.8

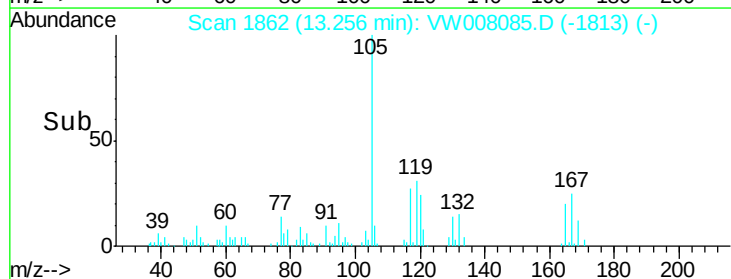
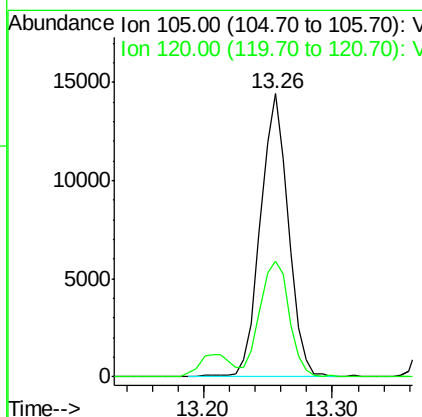
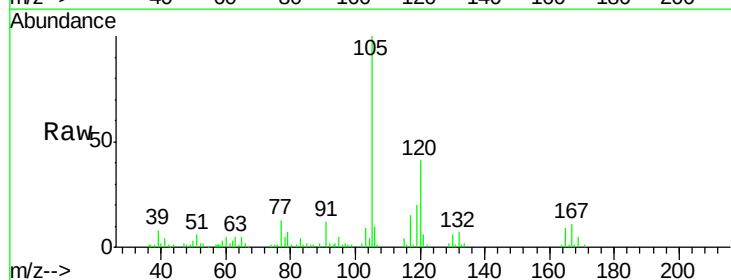
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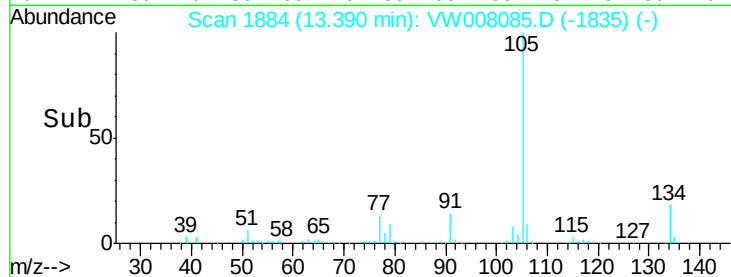
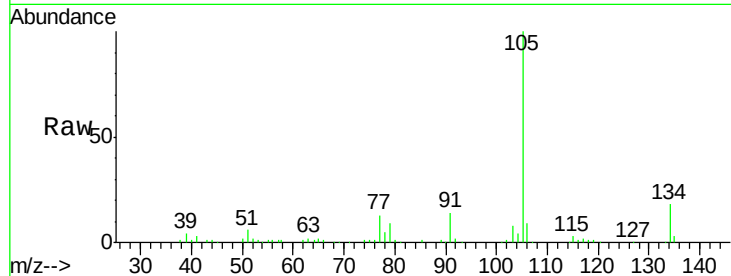
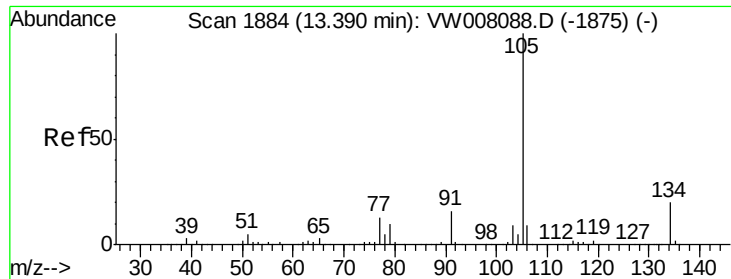
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#84
1,2,4-Trimethylbenzene
Concen: 5.102 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.7	68.1





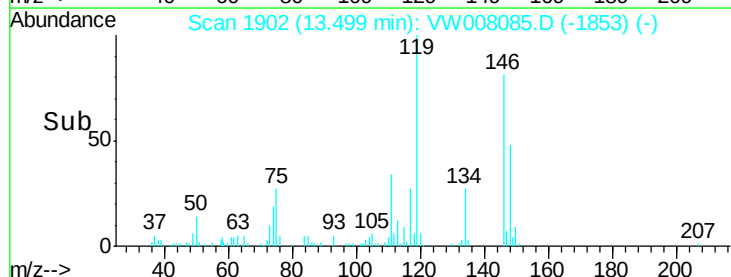
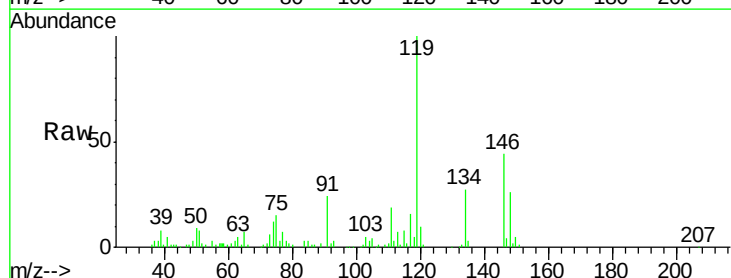
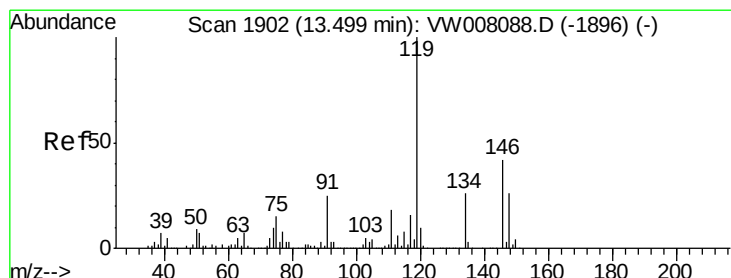
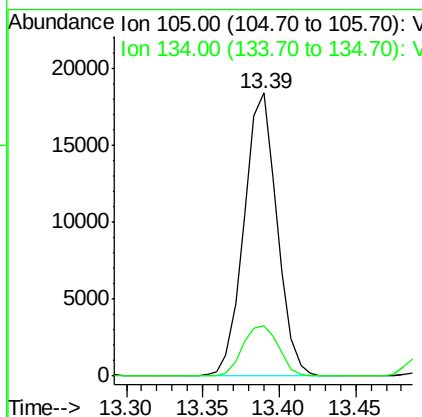
#85
 sec-Butylbenzene
 Concen: 5.436 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tot Ion:105 Resp: 27578
 Ion Ratio Lower Upper
 105 100
 134 19.4 10.1 30.1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

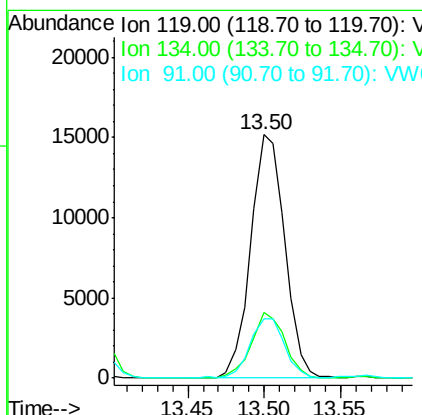
Manual Integrations
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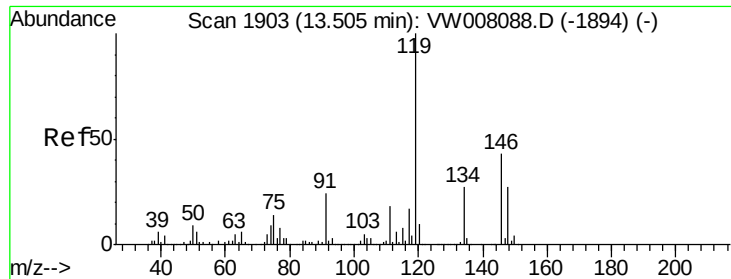
MMDadoda
 1/9/2019 11:07:32 AM



#86
 p-Isopropyltoluene
 Concen: 5.184 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion:119 Resp: 23586
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 25.0 12.3 36.9





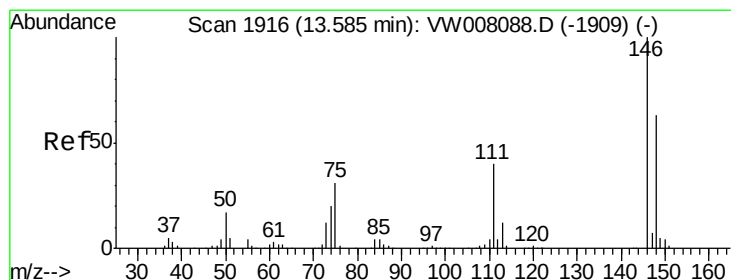
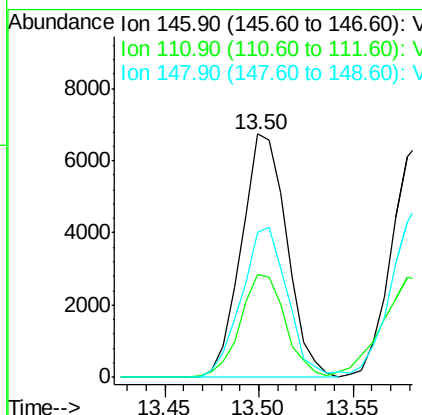
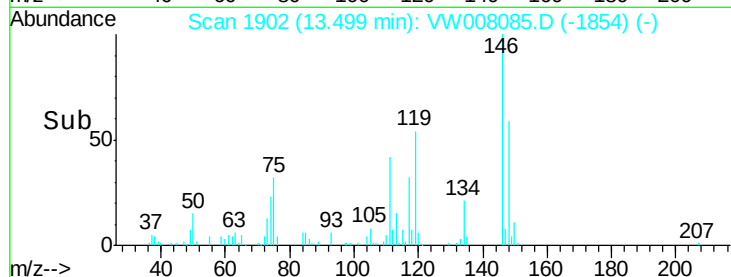
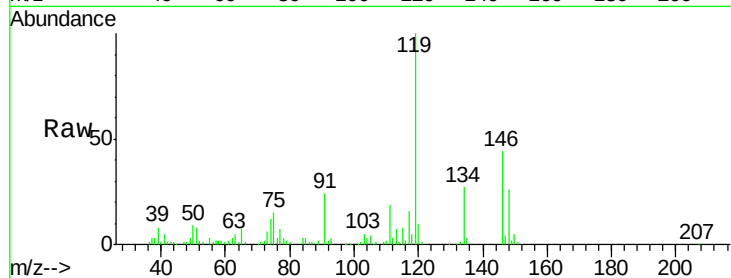
#87
 1,3-Dichlorobenzene
 Concen: 5.324 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.1
148	63.0	31.3	93.9

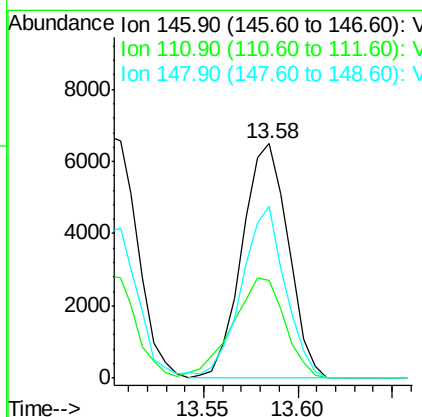
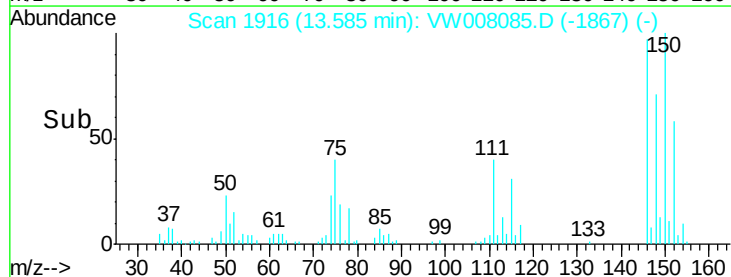
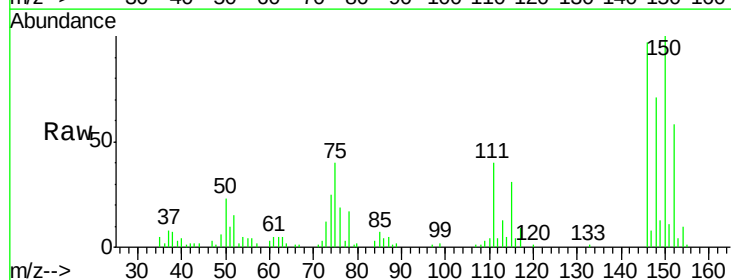
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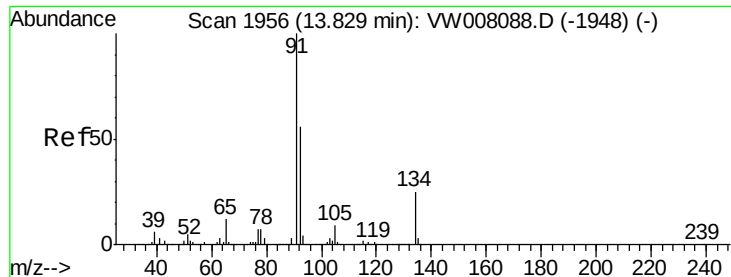
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#88
 1,4-Dichlorobenzene
 Concen: 5.256 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	20.5	61.5
148	69.0	31.6	94.8





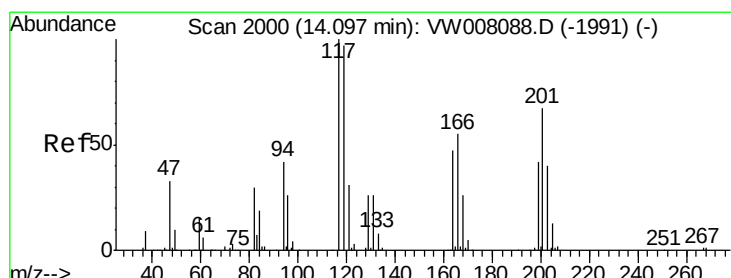
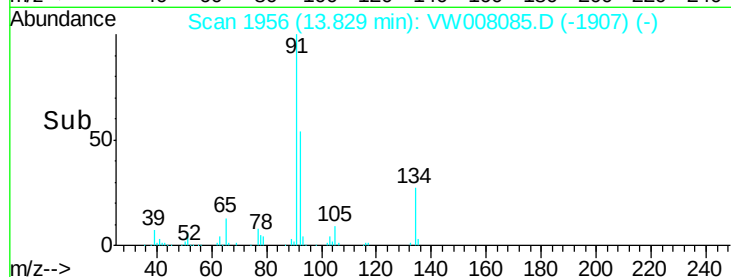
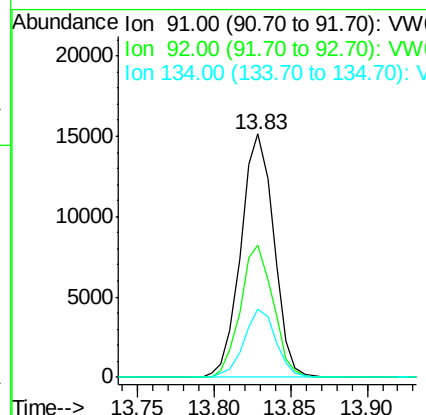
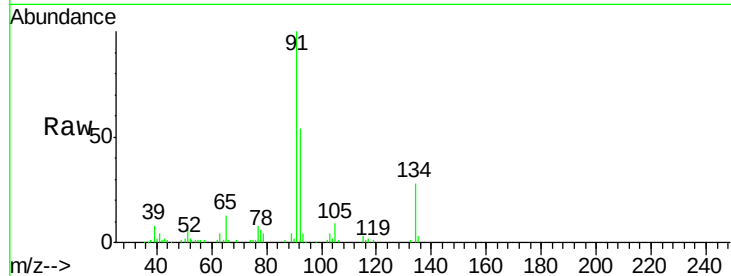
#89
n-Butylbenzene
Concen: 5.401 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.4	82.2
134	27.1	12.6	37.8

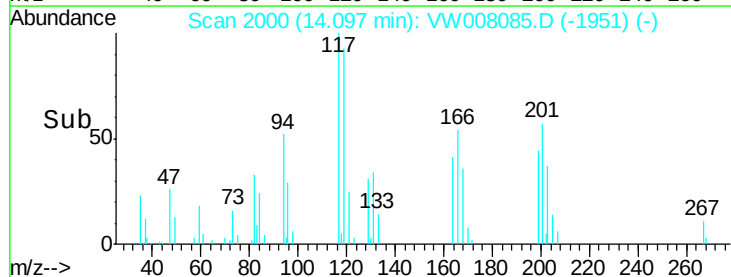
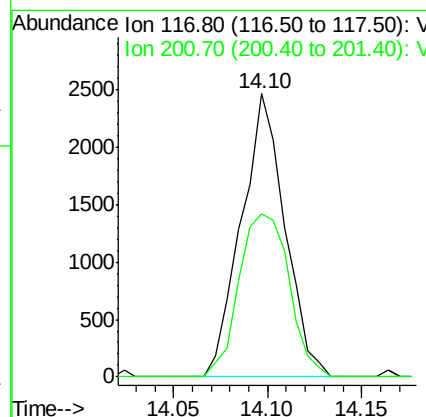
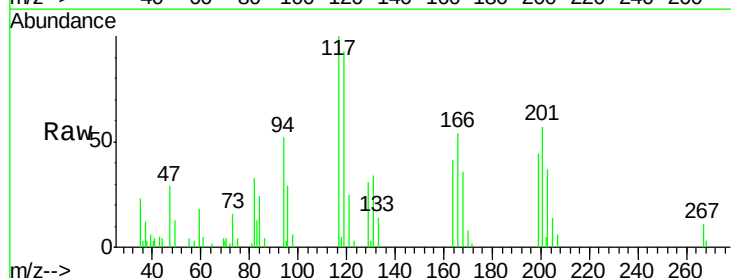
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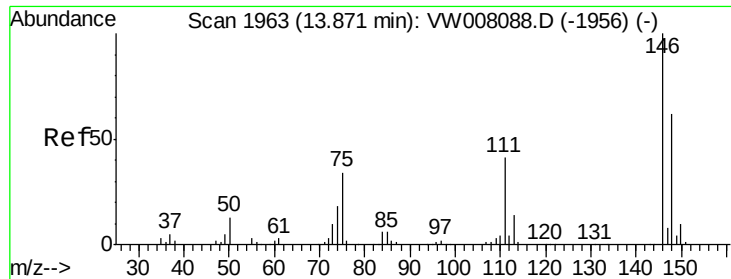
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#90
Hexachloroethane
Concen: 5.024 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.2	33.0	98.9





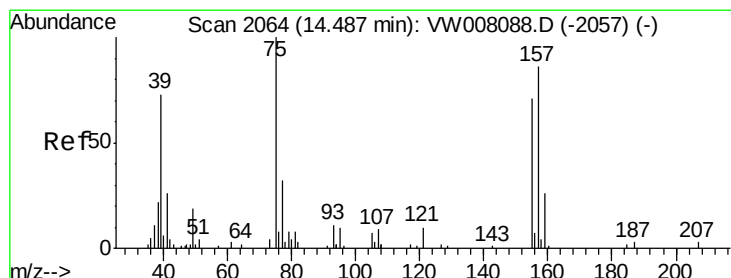
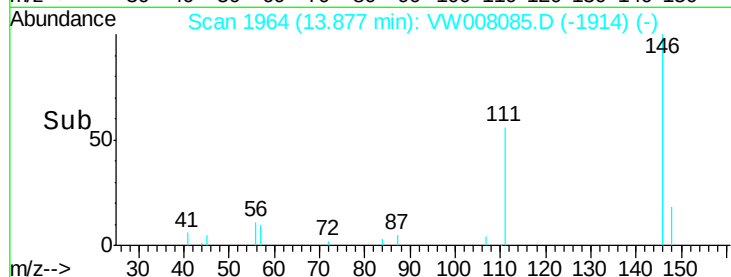
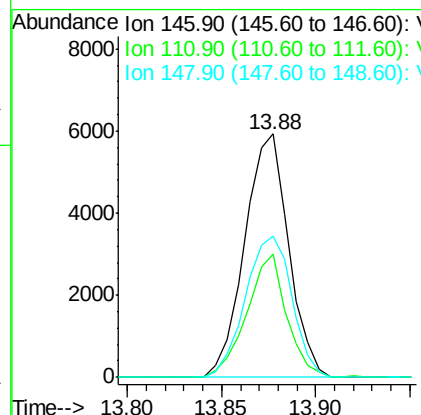
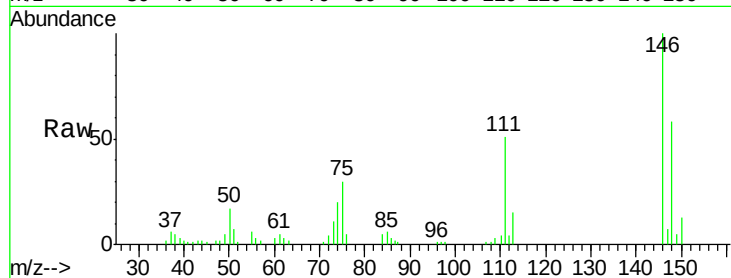
#91
 1,2-Dichlorobenzene
 Concen: 5.131 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	21.3	63.7
148	61.7	31.5	94.5

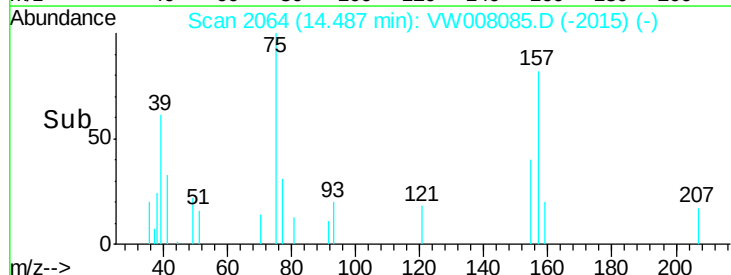
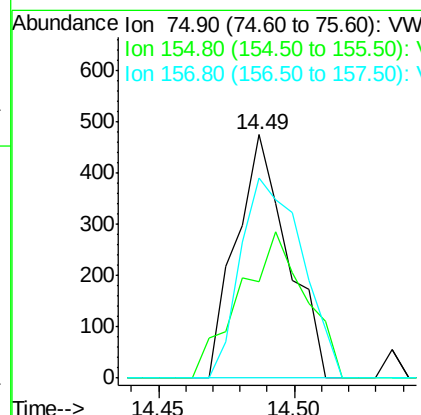
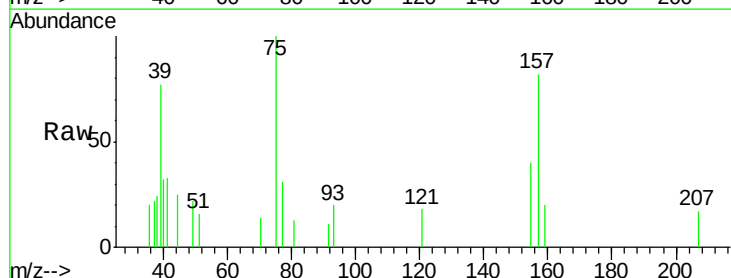
Manual Integrations
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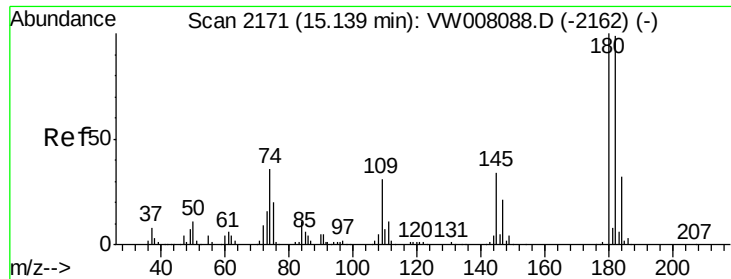
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 1/9/2019 11:07:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.898 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	38.6	115.7
157	99.7	47.5	142.6





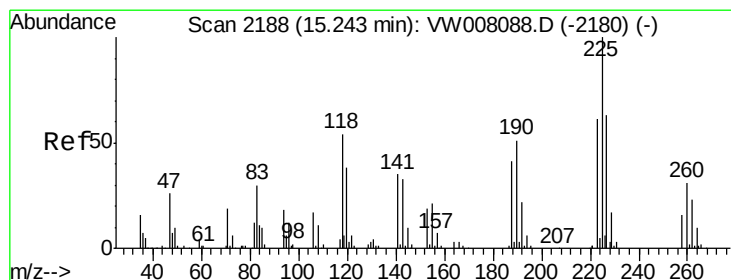
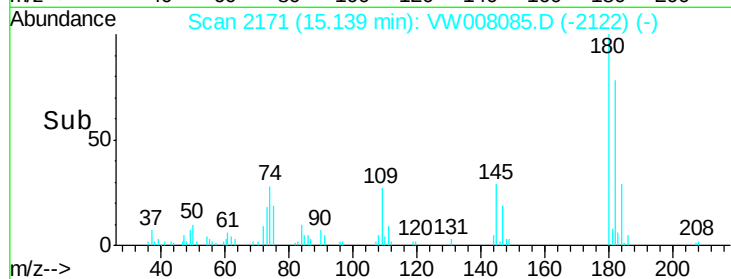
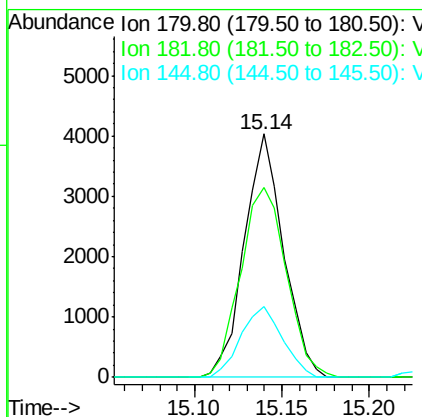
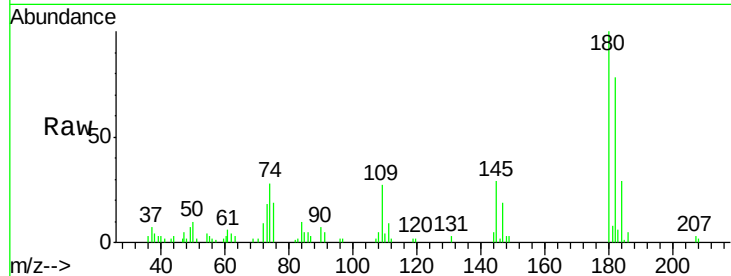
#93
 1,2,4-Trichlorobenzene
 Concen: 4.901 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.2	48.6	145.9
145	30.8	16.6	49.7

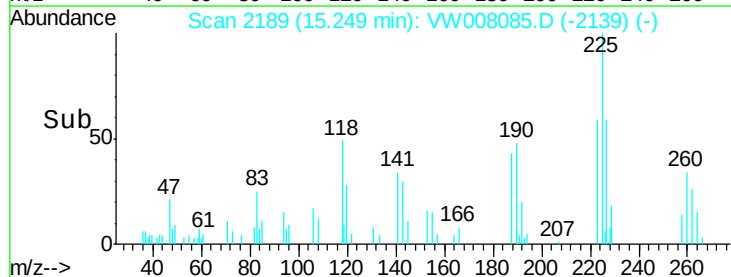
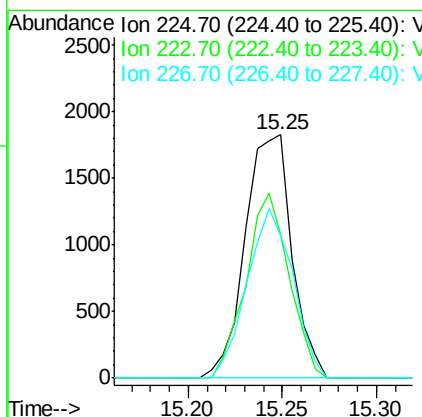
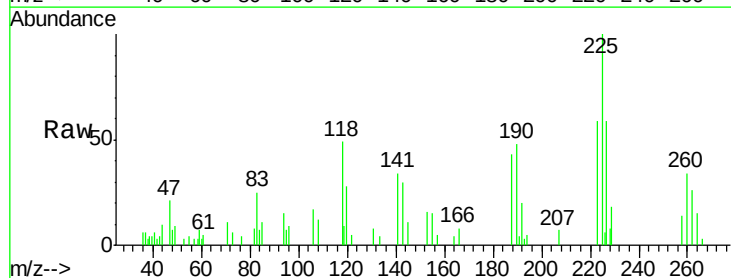
Manual Integrations
 APPROVED

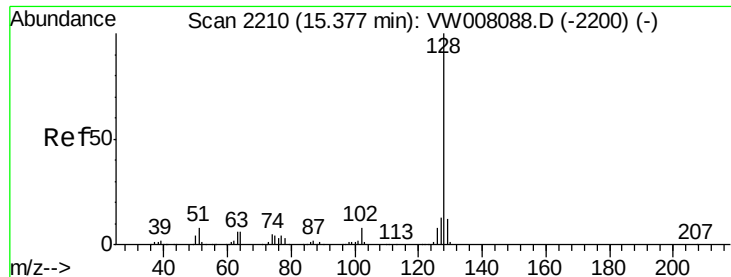
MMDadoda
 1/9/2019 11:07:32 AM



#94
 Hexachlorobutadiene
 Concen: 4.278 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW008085.D
 Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.1	31.4	94.3
227	68.2	32.0	96.2





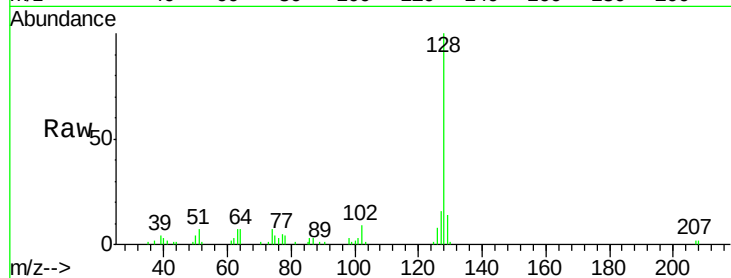
#95
Naphthalene
Concen: 4.800 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

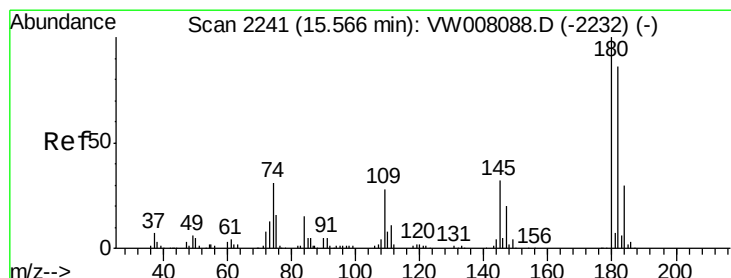
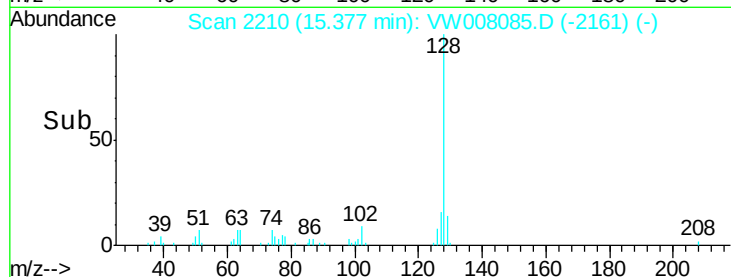
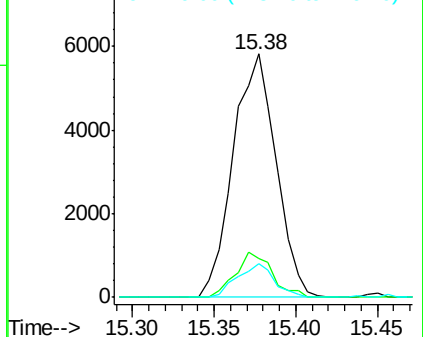
Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	11.0	16.4
129	12.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/9/2019 11:07:32 AM

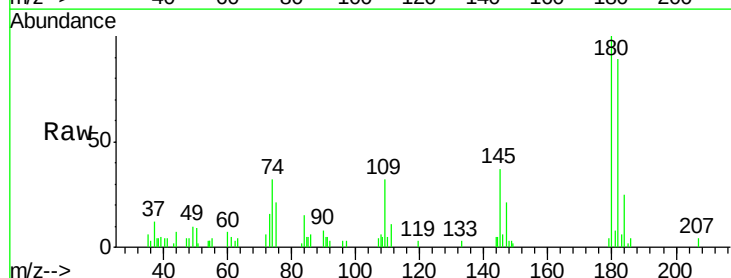


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.782 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008085.D
Acq: 08 Jan 2019 14:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.2	46.5	139.3
145	35.8	17.4	52.2



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

