

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008089.D
 Acq On : 08 Jan 2019 17:04
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:07:55 AM

Quant Time: Jan 09 03:58:55 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	92755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	165517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	151114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70551	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	73256	70.87	ug/l	0.00
Spiked Amount			Recovery	=	141.74%	
35) Dibromofluoromethane	7.88	113	66816	65.11	ug/l	0.00
Spiked Amount			Recovery	=	130.22%	
50) Toluene-d8	10.32	98	283648	72.03	ug/l	0.00
Spiked Amount			Recovery	=	144.06%	
62) 4-Bromofluorobenzene	12.62	95	98351	65.89	ug/l	0.00
Spiked Amount			Recovery	=	131.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	55614	67.893	ug/l	99
3) Chloromethane	2.21	50	70868	104.370	ug/l	98
4) Vinyl Chloride	2.37	62	91520	103.623	ug/l	95
5) Bromomethane	2.79	94	63332	110.318	ug/l	97
6) Chloroethane	2.93	64	67125	136.838	ug/l	94
7) Trichlorofluoromethane	3.26	101	74508	87.589	ug/l	91
8) Diethyl Ether	3.68	74	43162	96.771	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	75583	77.732	ug/l	100
10) Methyl Iodide	4.26	142	109869	71.044	ug/l	100
11) Tert butyl alcohol	5.24	59	22245	328.275	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	74190	78.867	ug/l	95
13) Acrolein	3.90	56	28417	567.169	ug/l	98
14) Allyl chloride	4.67	41	136480	101.020	ug/l	99
15) Acrylonitrile	5.37	53	81972	500.037	ug/l	98
16) Acetone	4.14	43	67154	408.236	ug/l	92
17) Carbon Disulfide	4.37	76	236912	82.294	ug/l	99
18) Methyl Acetate	4.67	43	48241	107.055	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	120260	81.137	ug/l	93
20) Methylene Chloride	4.91	84	77381	70.105	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	81460	79.659	ug/l	94
22) Diisopropyl ether	6.31	45	255380	104.455	ug/l	99
23) Vinyl Acetate	6.26	43	691949	512.392	ug/l	99
24) 1,1-Dichloroethane	6.21	63	147579	85.500	ug/l	99
25) 2-Butanone	7.18	43	101812	506.728	ug/l	94
26) 2,2-Dichloropropane	7.16	77	97161	70.613	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	86132	78.865	ug/l	100
28) Bromochloromethane	7.51	49	55885	95.257	ug/l	97
29) Tetrahydrofuran	7.53	42	68870	539.068	ug/l	99
30) Chloroform	7.67	83	142347	75.436	ug/l	94
31) Cyclohexane	7.95	56	150691	90.920	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	124371	70.137	ug/l	99
36) 1,1-Dichloropropene	8.08	75	122643	75.682	ug/l	99
37) Ethyl Acetate	7.26	43	45042	87.163	ug/l	98
38) Carbon Tetrachloride	8.07	117	113170	60.661	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	157935	77.768	ug/l	97
40) Benzene	8.32	78	337084	78.244	ug/l	100
41) Methacrylonitrile	7.49	41	29876	100.803	ug/l	93
42) 1,2-Dichloroethane	8.40	62	91719	65.730	ug/l	100
43) Isopropyl Acetate	8.43	43	99001	96.938	ug/l	99
44) Trichloroethene	9.09	130	85986	69.421	ug/l	96
45) 1,2-Dichloropropane	9.37	63	83903	87.802	ug/l	98
46) Dibromomethane	9.46	93	40393	74.809	ug/l	97
47) Bromodichloromethane	9.65	83	105566	70.414	ug/l	98
48) Methyl methacrylate	9.43	41	48850	94.696	ug/l	98
49) 1,4-Dioxane	9.48	88	11771	1455.833	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	234744	489.766	ug/l	99
52) Toluene	10.39	92	216387	76.195	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	111894	76.634	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	130210	79.174	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	57613	78.580	ug/l	97
56) Ethyl methacrylate	10.65	69	75011	88.206	ug/l	99
57) 1,3-Dichloropropane	10.93	76	103869	81.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	182881	440.406	ug/l	99
59) 2-Hexanone	10.97	43	160306	486.022	ug/l	100
60) Dibromochloromethane	11.13	129	66145	67.455	ug/l	100
61) 1,2-Dibromoethane	11.24	107	55386	75.450	ug/l	99
64) Tetrachloroethene	10.86	164	70109	69.579	ug/l	97
65) Chlorobenzene	11.66	112	227699	71.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	75402	66.561	ug/l	99
67) Ethyl Benzene	11.73	91	418829	73.925	ug/l	99
68) m/p-Xylenes	11.84	106	318135	145.617	ug/l	100
69) o-Xylene	12.17	106	151053	74.338	ug/l	97
70) Styrene	12.18	104	238658	72.242	ug/l	99
71) Bromoform	12.35	173	34799	66.579	ug/l #	96
73) Isopropylbenzene	12.47	105	407539	73.795	ug/l	99
74) N-amyl acetate	12.27	43	91944	100.077	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	63500	87.162	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38032m	67.092	ug/l	
77) Bromobenzene	12.75	156	86657	73.644	ug/l	94
78) n-propylbenzene	12.81	91	494119	76.313	ug/l	100
79) 2-Chlorotoluene	12.90	91	274064	73.745	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	334122	70.792	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	20449	84.750	ug/l	99
82) 4-Chlorotoluene	12.99	91	285826	72.383	ug/l	99
83) tert-Butylbenzene	13.21	119	298012	71.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	336626	70.071	ug/l	99
85) sec-Butylbenzene	13.39	105	429228	74.590	ug/l	99
86) p-Isopropyltoluene	13.51	119	370885	71.857	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	172903	72.225	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	170529	71.800	ug/l	99
89) n-Butylbenzene	13.83	91	363876	76.297	ug/l	100
90) Hexachloroethane	14.10	117	64133	71.836	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	150244	71.297	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10519	73.384	ug/l	96

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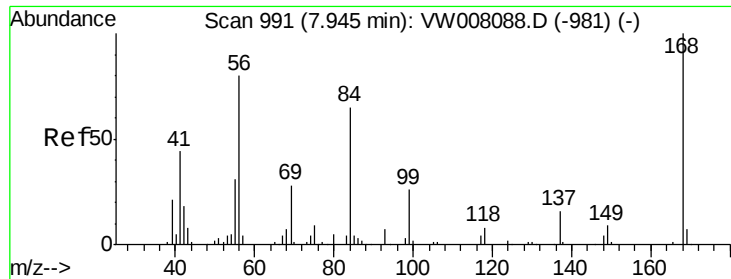
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	100940	69.424	ug/l	98
94) Hexachlorobutadiene	15.24	225	56125	67.346	ug/l	97
95) Naphthalene	15.38	128	190827	75.720	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	86464	71.475	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 92755

Ion Ratio Lower Upper

168 100

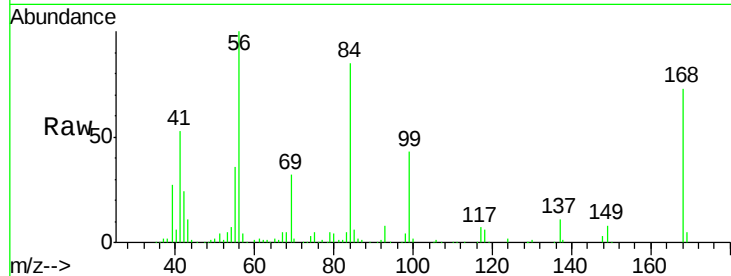
99 58.1 52.6 78.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

50000

40000

30000

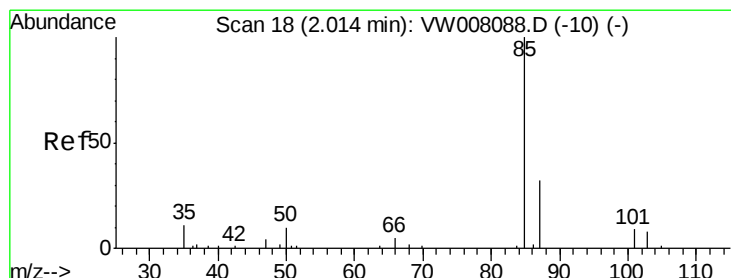
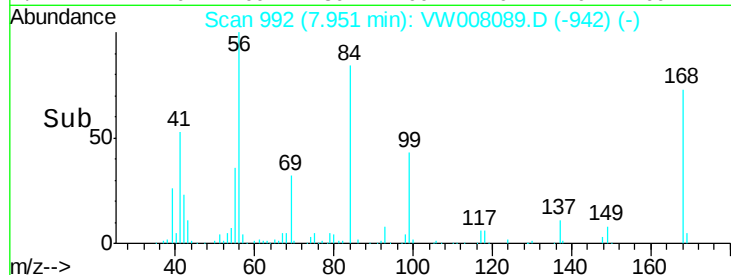
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 67.893 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008089.D

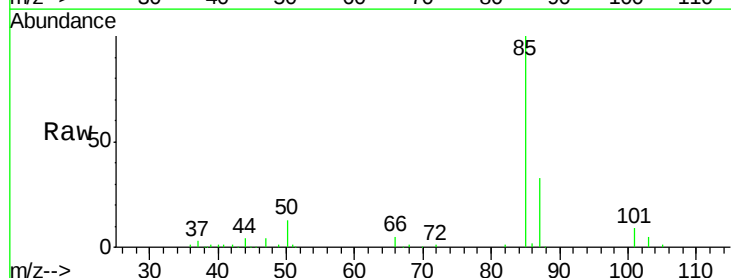
Acq: 08 Jan 2019 17:04

Tgt Ion: 85 Resp: 55614

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

15000

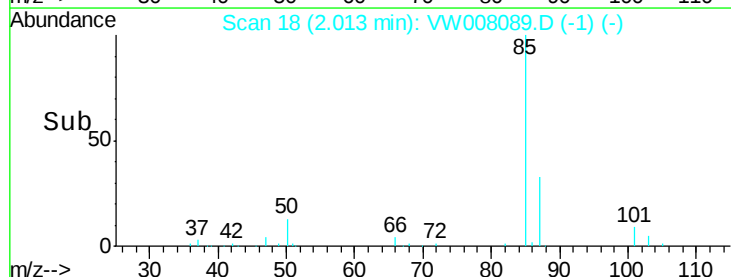
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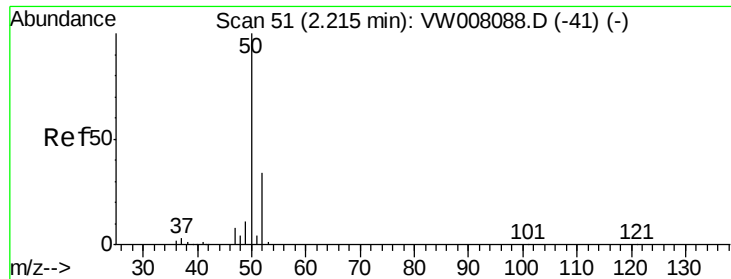
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 104.370 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 70868

Ion Ratio Lower Upper

50 100

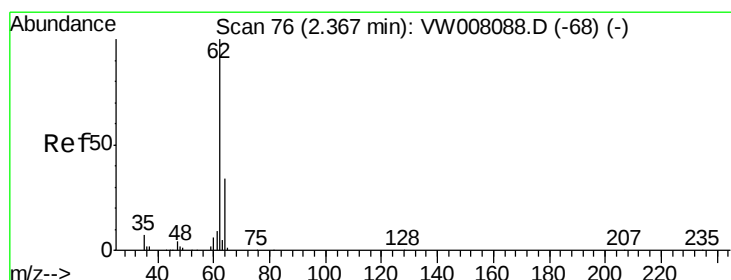
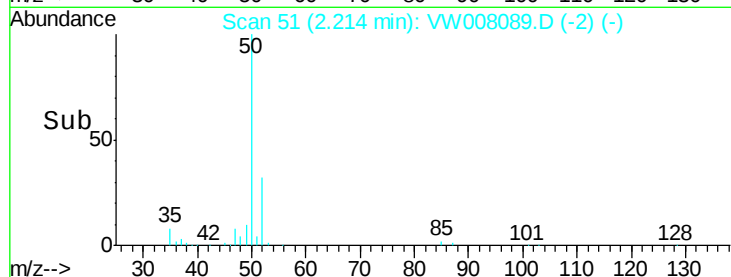
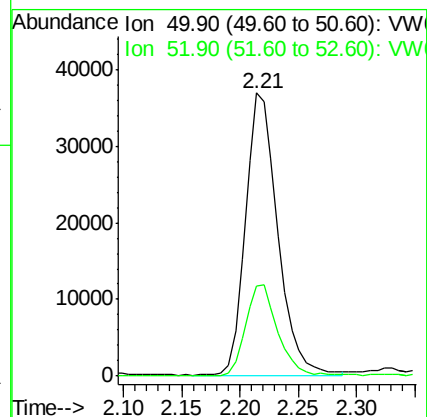
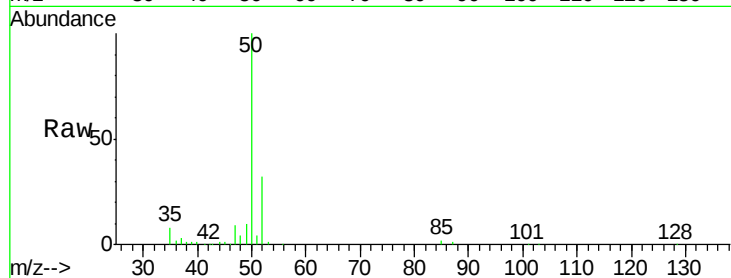
52 32.1 26.8 40.2

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#4

Vinyl Chloride

Concen: 103.623 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008089.D

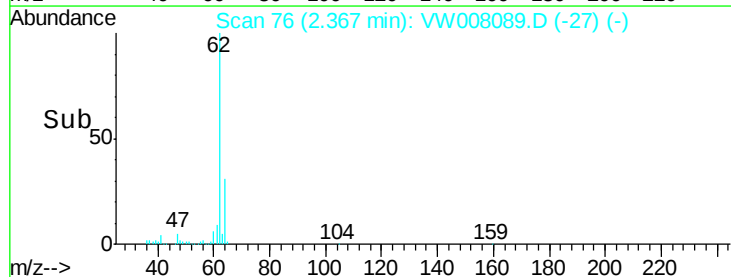
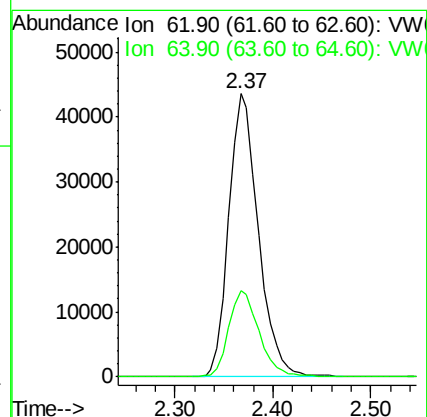
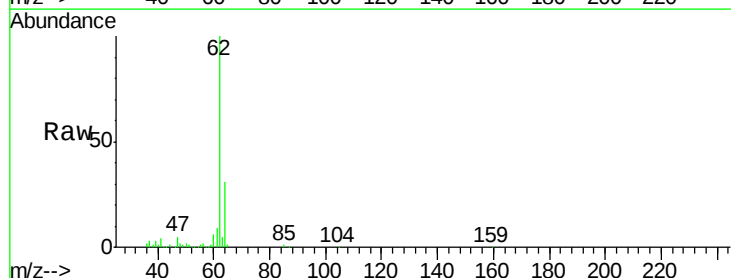
Acq: 08 Jan 2019 17:04

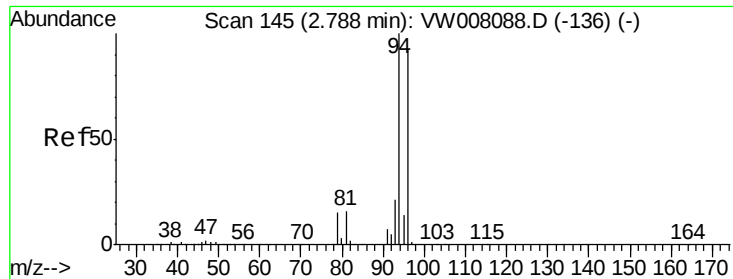
Tgt Ion: 62 Resp: 91520

Ion Ratio Lower Upper

62 100

64 30.7 27.0 40.6





#5

Bromomethane

Concen: 110.318 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

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VSTDIC075

Tot Ion: 94 Resp: 63332

Ion Ratio Lower Upper

94 100

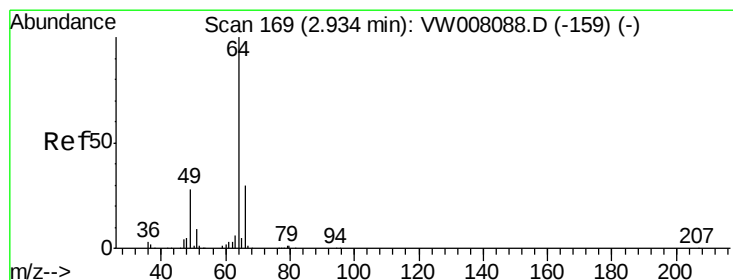
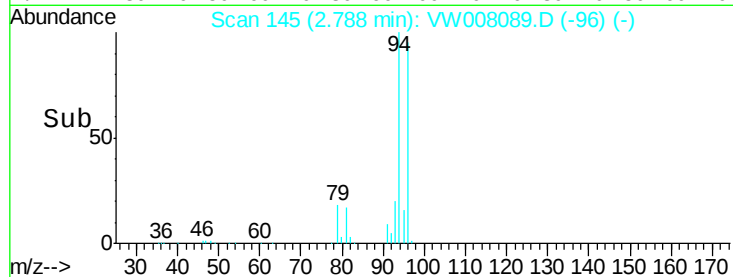
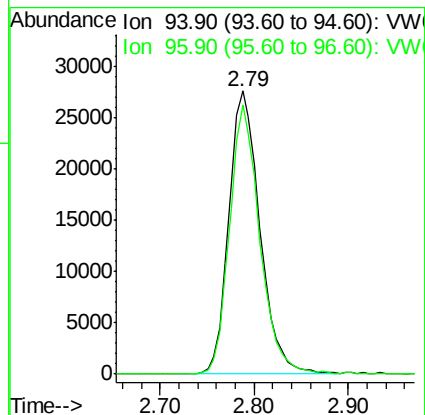
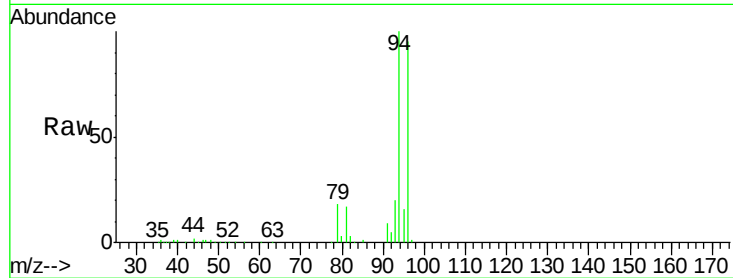
96 95.4 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 136.838 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008089.D

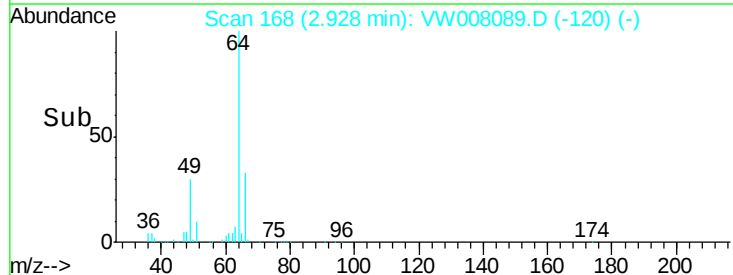
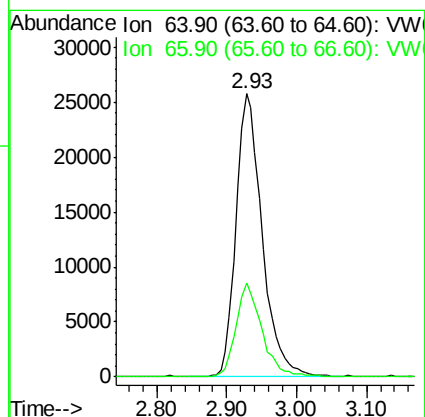
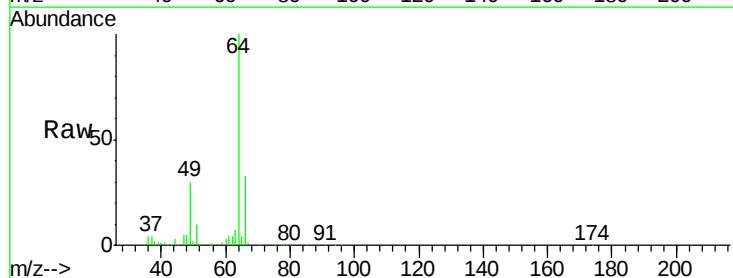
Acq: 08 Jan 2019 17:04

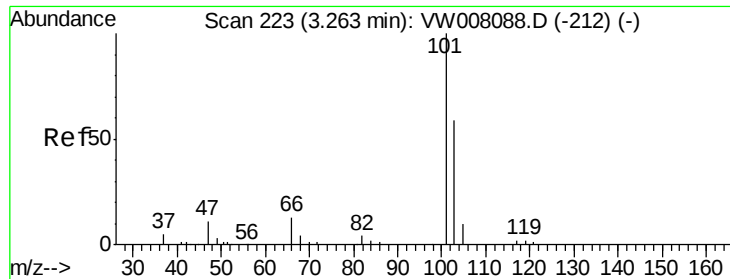
Tgt Ion: 64 Resp: 67125

Ion Ratio Lower Upper

64 100

66 33.2 24.2 36.2





#7

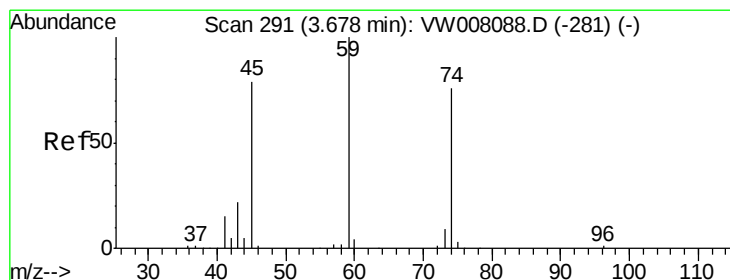
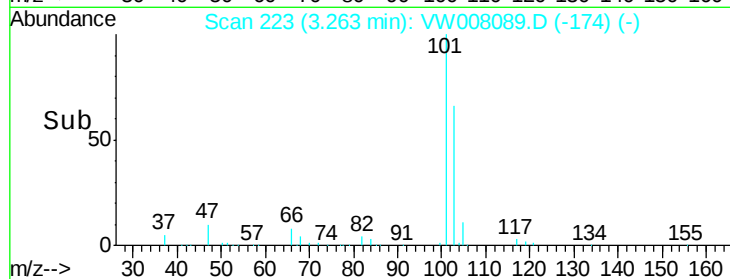
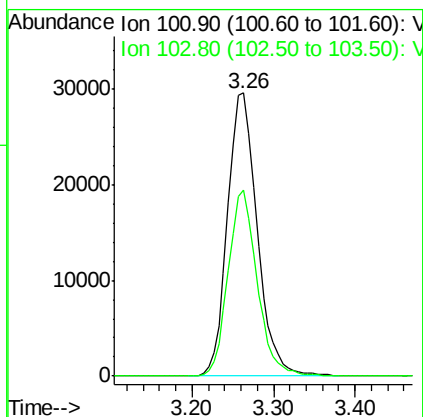
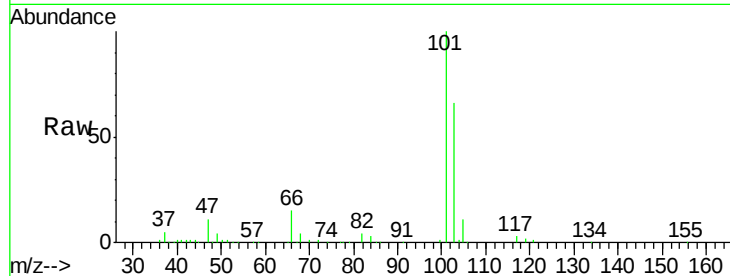
Trichlorofluoromethane
Concen: 87.589 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	47.0	70.6

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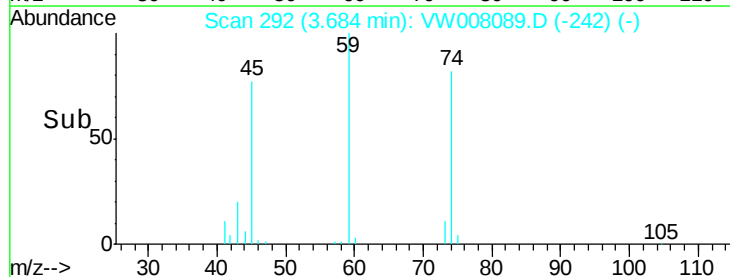
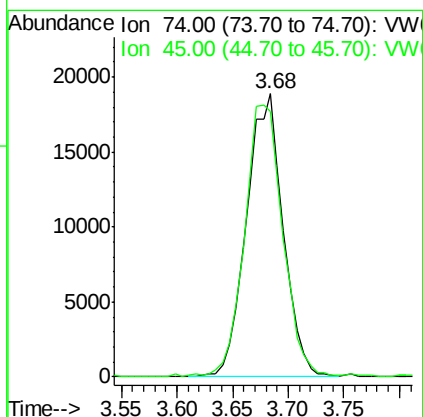
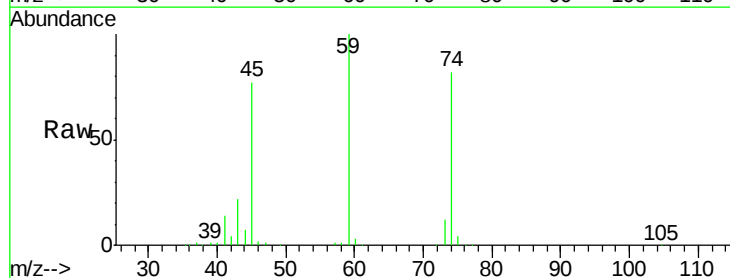
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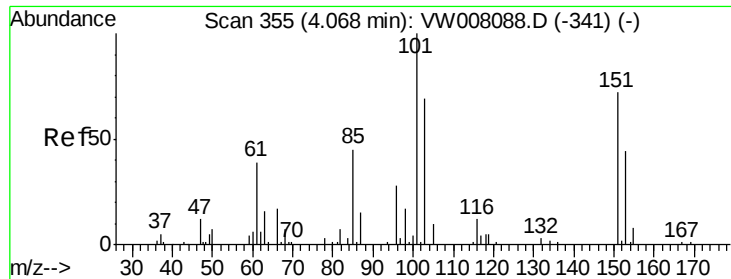


#8

Diethyl Ether
Concen: 96.771 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 77.732 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008089.D

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Instrument :

MSVOA_W

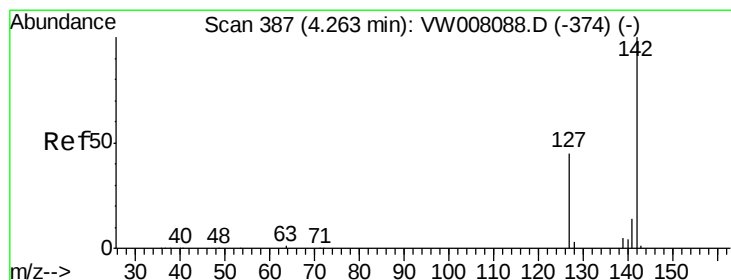
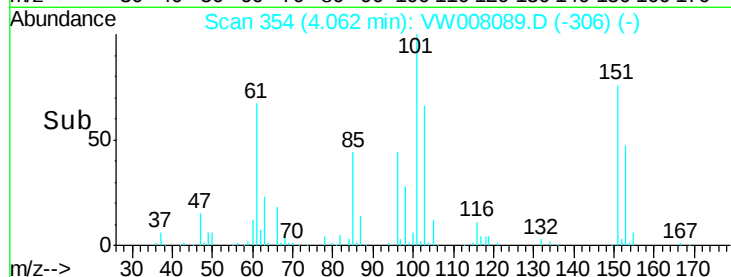
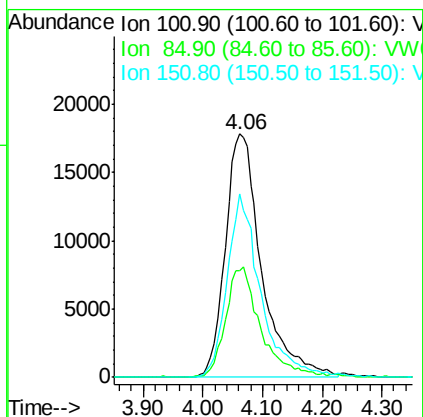
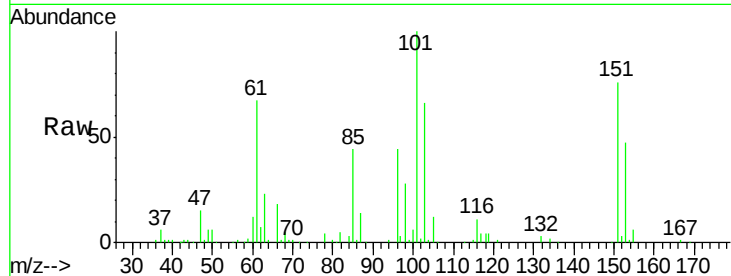
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	75583
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.9	53.9
151	70.0	55.8	83.8

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#10

Methyl Iodide

Concen: 71.044 ug/l

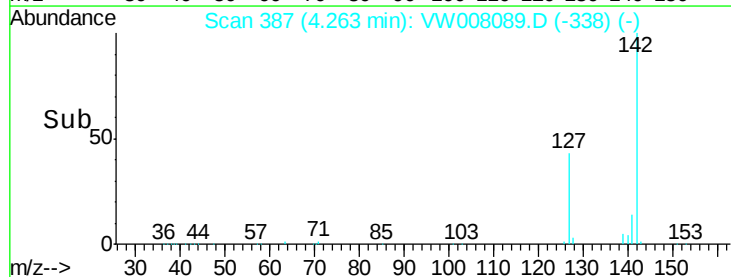
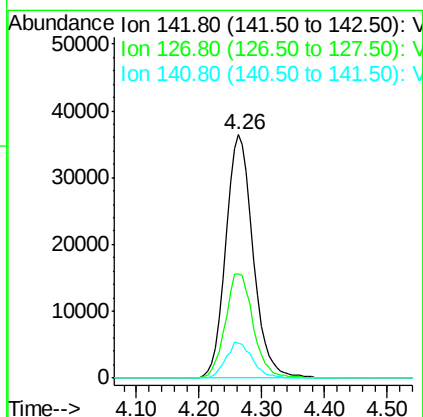
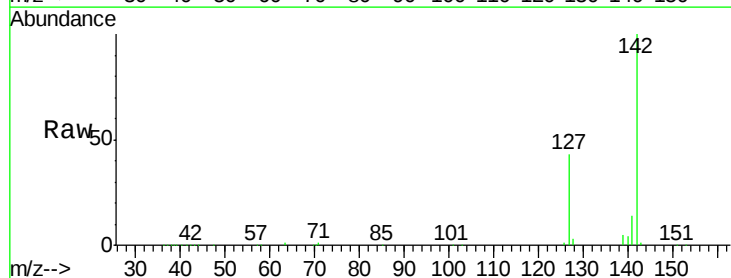
RT: 4.26 min Scan# 387

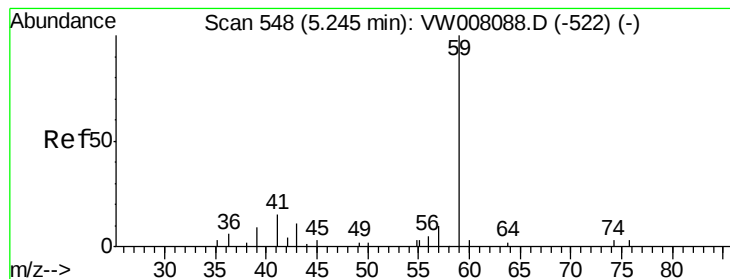
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion:	142	Resp:	109869
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.0	52.4
141	14.4	11.8	17.6





#11

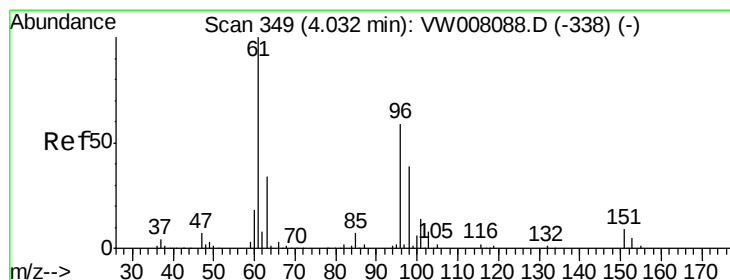
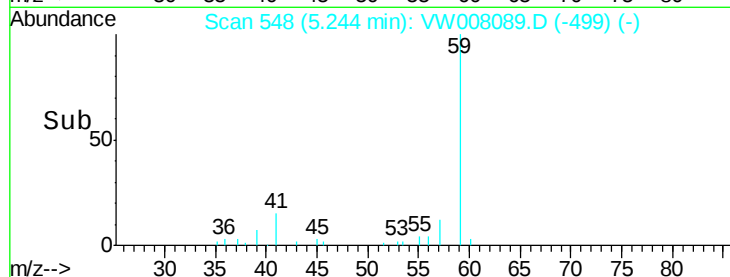
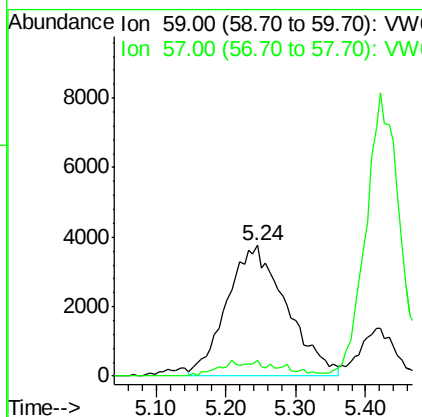
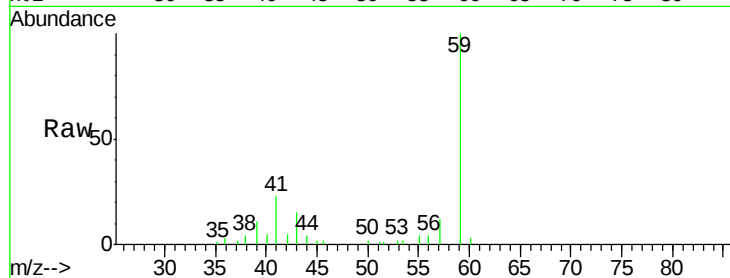
Tert butyl alcohol
Concen: 328.275 ug/l
RT: 5.24 min Scan# 548
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

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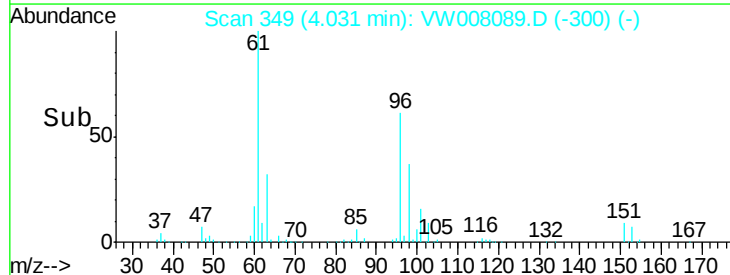
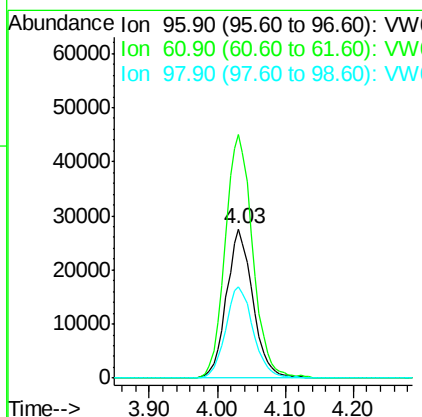
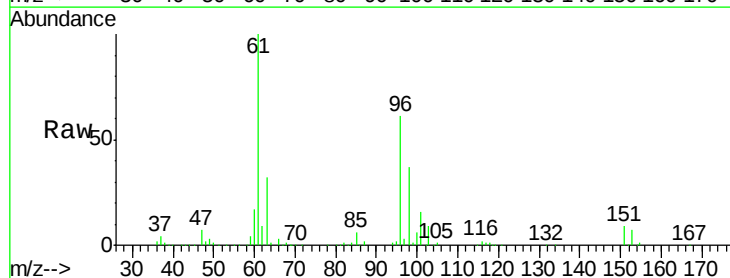
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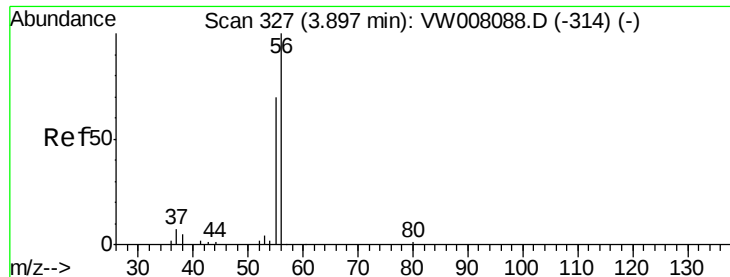


#12

1,1-Dichloroethene
Concen: 78.867 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	135.4	203.2
98	61.2	52.5	78.7





#13

Acrolein

Concen: 567.169 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 28417

Ion Ratio Lower Upper

56 100

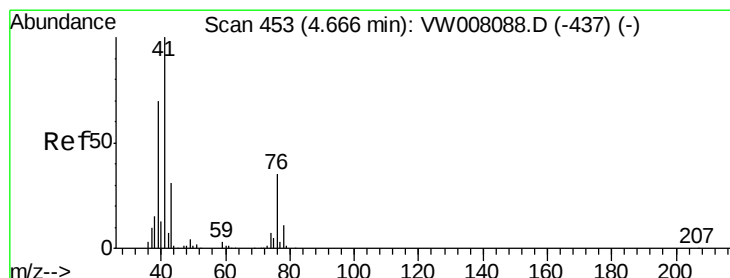
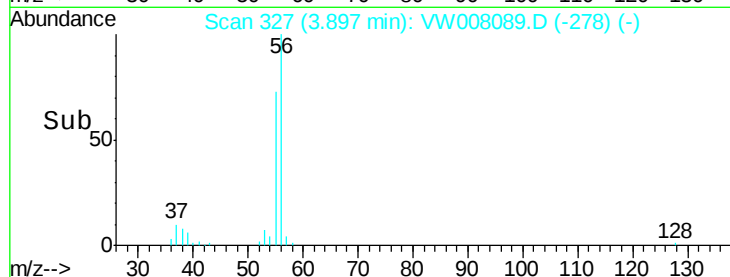
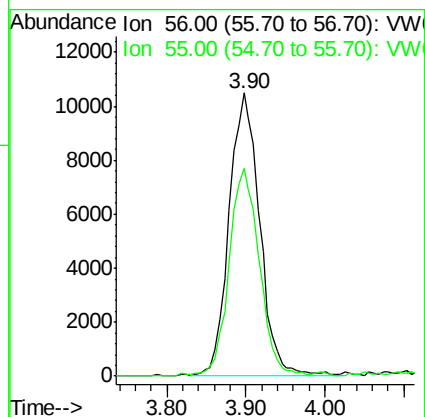
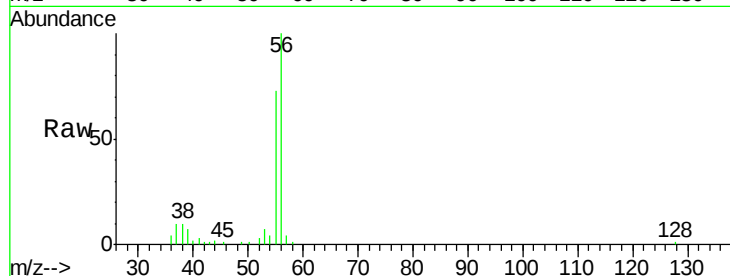
55 72.5 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 101.020 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

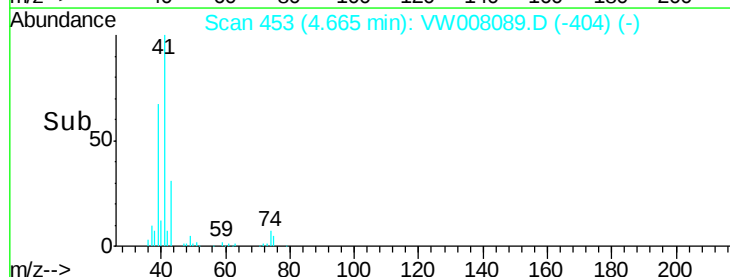
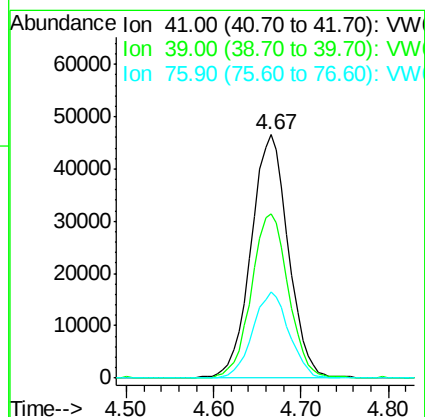
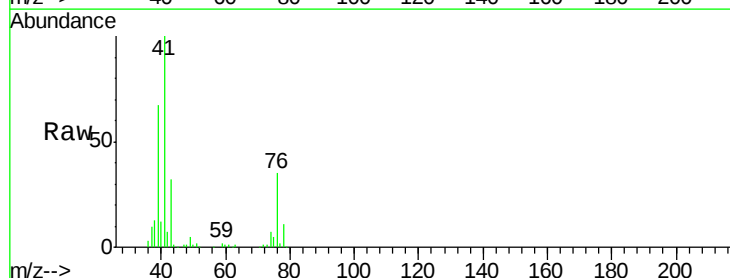
Tgt Ion: 41 Resp: 136480

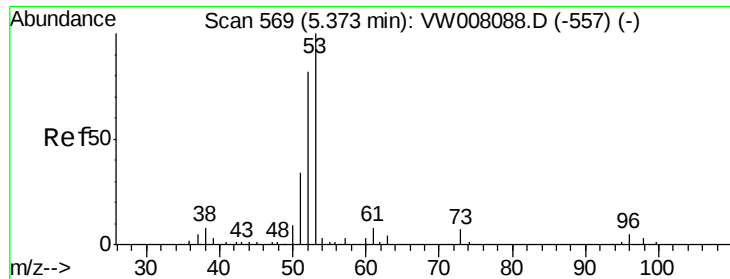
Ion Ratio Lower Upper

41 100

39 67.9 53.8 80.8

76 34.8 27.6 41.4





#15

Acrylonitrile

Concen: 500.037 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

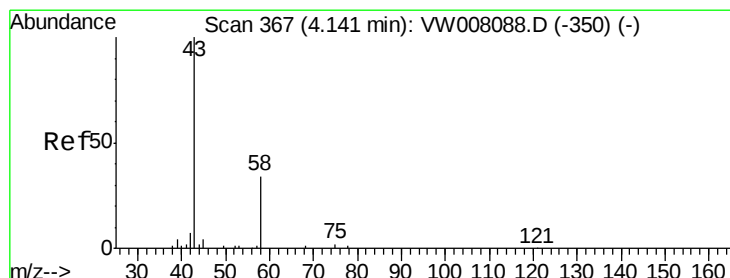
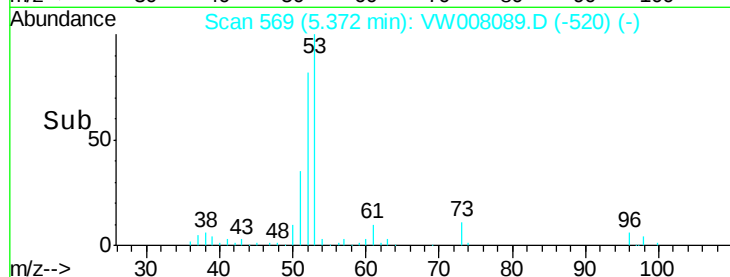
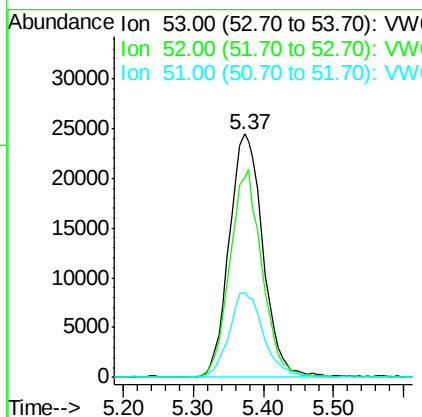
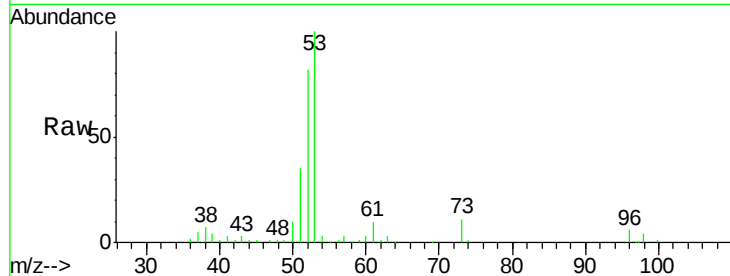
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	81972
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.8	100.2
51	35.8	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 408.236 ug/l

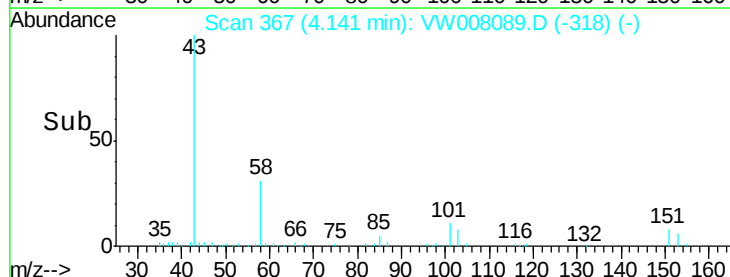
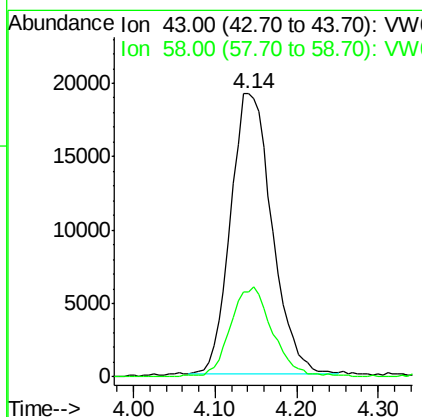
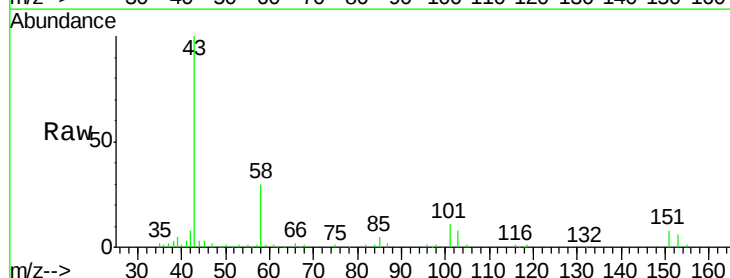
RT: 4.14 min Scan# 367

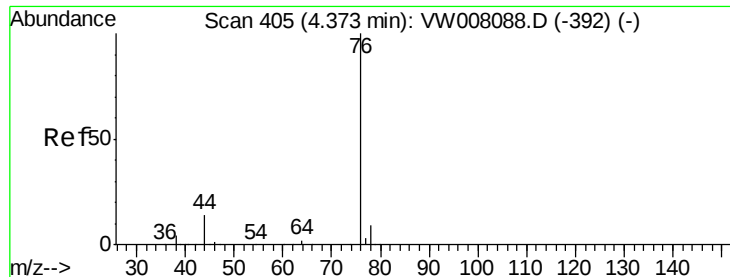
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion:	43	Resp:	67154
Ion	Ratio	Lower	Upper
43	100		
58	29.8	27.5	41.3





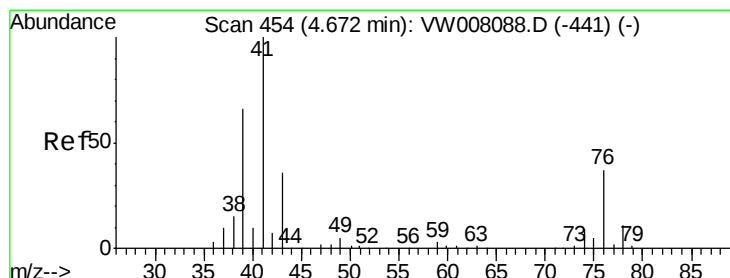
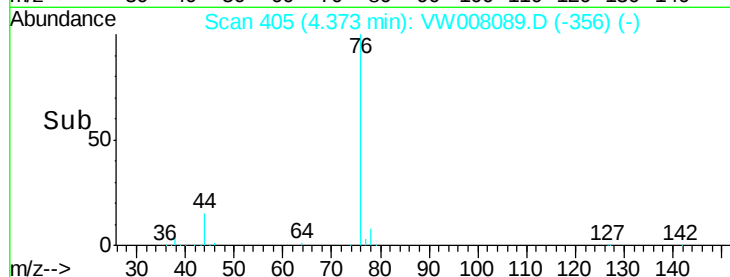
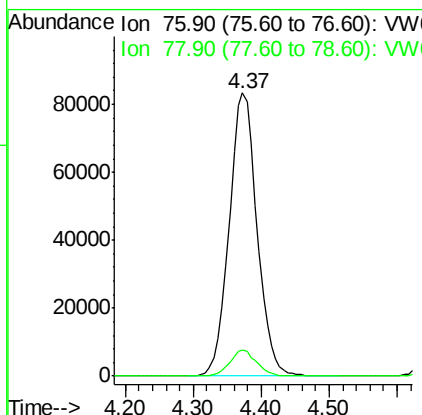
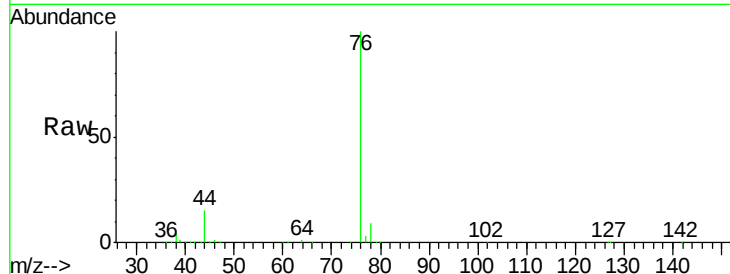
#17
Carbon Disulfide
Concen: 82.294 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

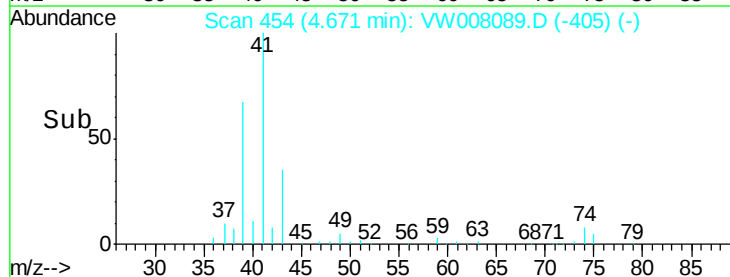
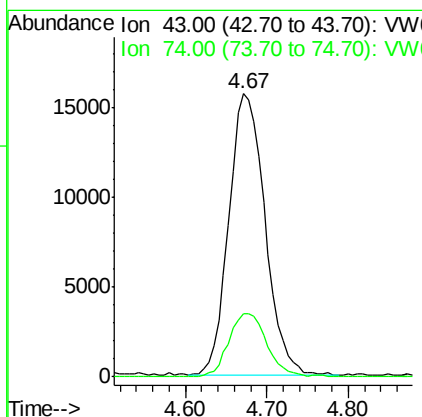
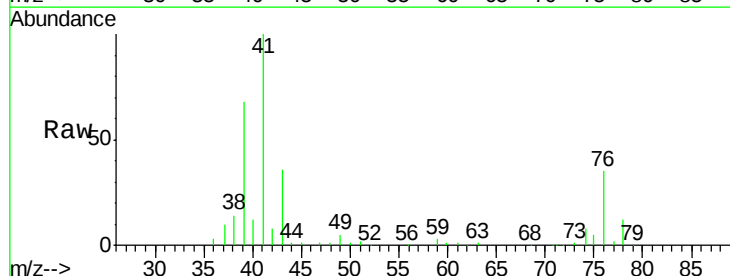
Manual Integrations
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#18
Methyl Acetate
Concen: 107.055 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.0	28.4





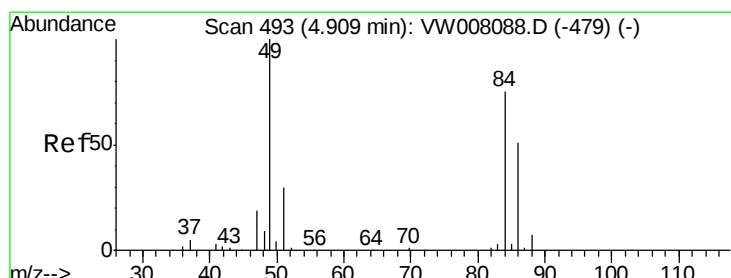
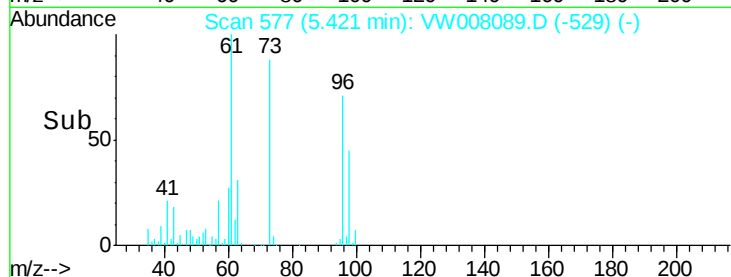
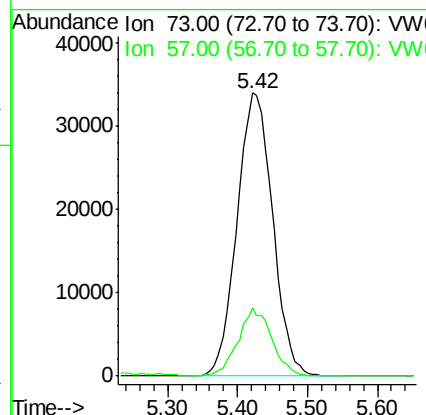
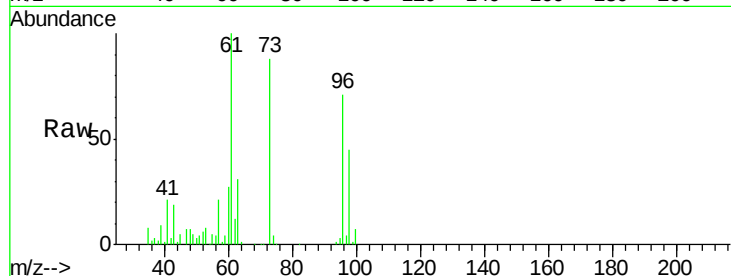
#19
Methvl tert-butvl Ether
Concen: 81.137 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 120260
Ion Ratio Lower Upper
73 100
57 24.0 16.7 25.1

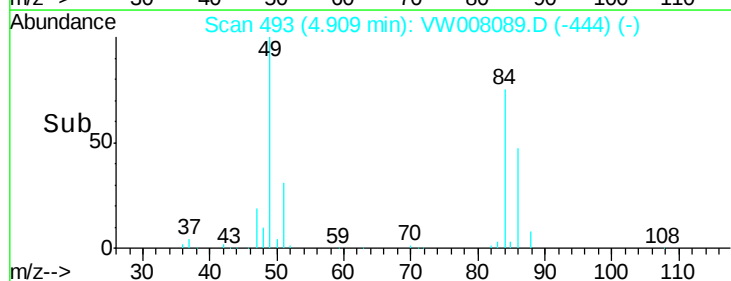
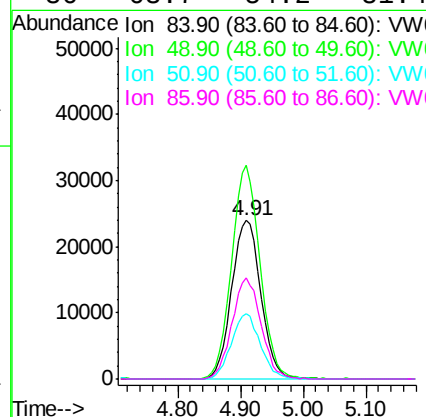
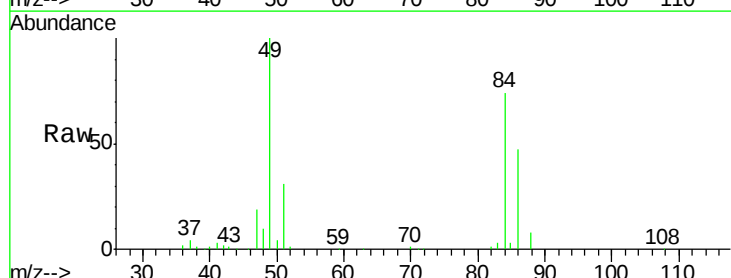
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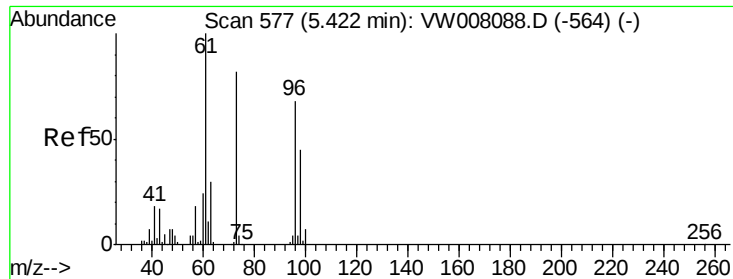
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#20
Methylene Chloride
Concen: 70.105 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 84 Resp: 77381
Ion Ratio Lower Upper
84 100
49 134.7 107.1 160.7
51 41.4 32.4 48.6
86 63.7 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 79.659 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

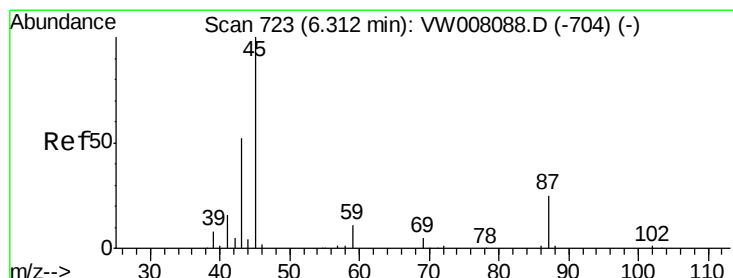
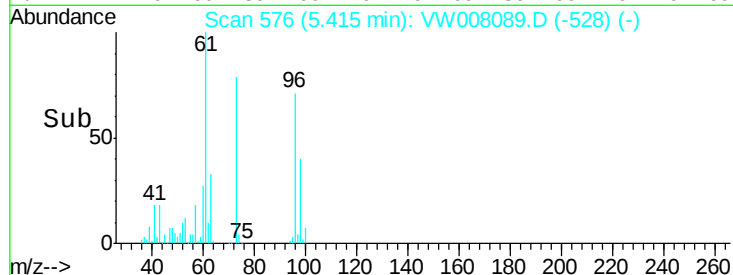
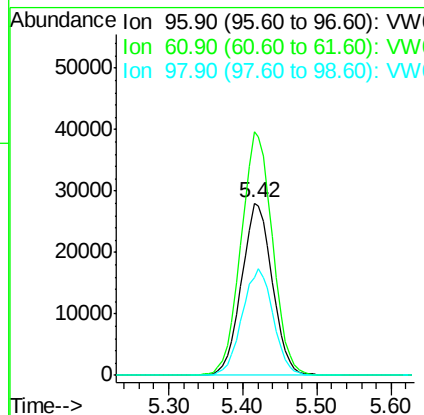
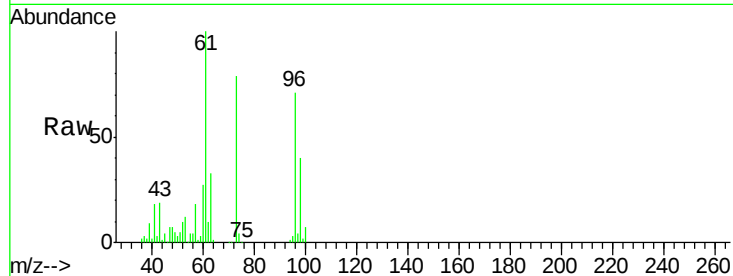
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	81460
Ion	Ratio	Lower	Upper
96	100		
61	141.3	117.4	176.0
98	56.9	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 104.455 ug/l

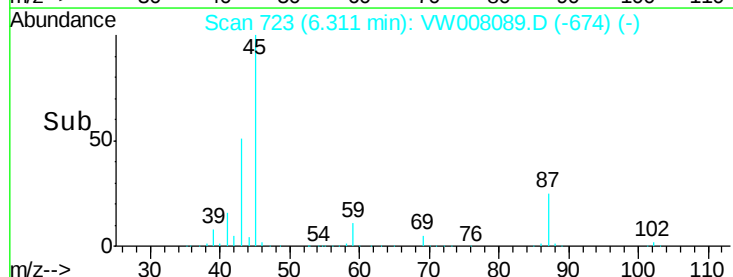
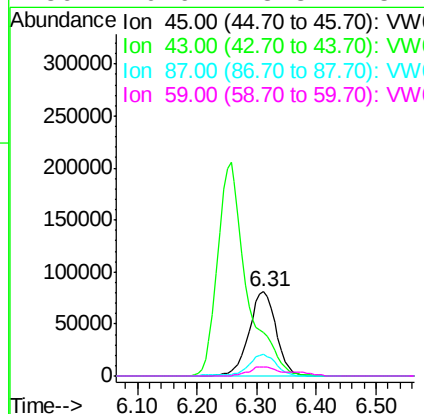
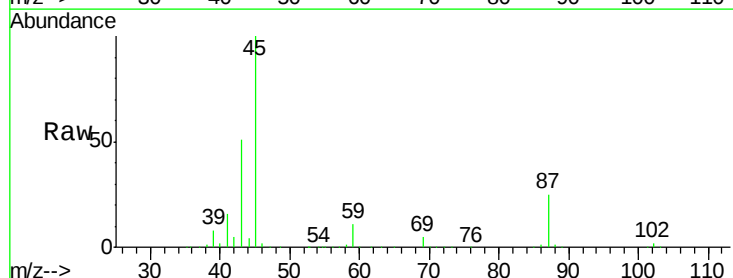
RT: 6.31 min Scan# 723

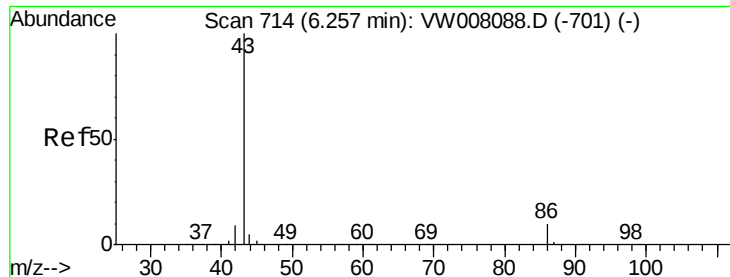
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion:	45	Resp:	255380
Ion	Ratio	Lower	Upper
45	100		
43	51.0	41.7	62.5
87	25.1	20.1	30.1
59	10.6	8.8	13.2





#23

Vinyl Acetate

Concen: 512.392 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion: 43 Resp: 691949

Ion Ratio Lower Upper

43 100

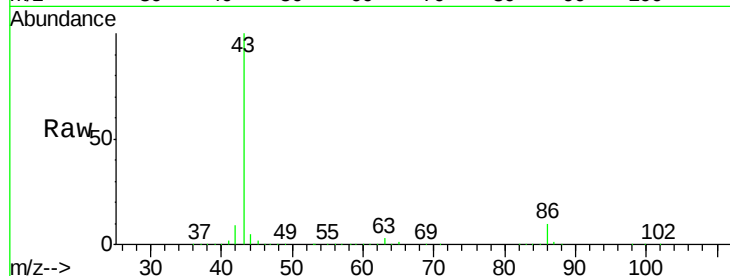
86 10.1 7.7 11.5

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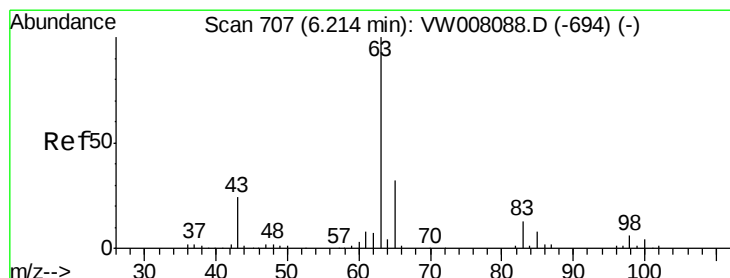
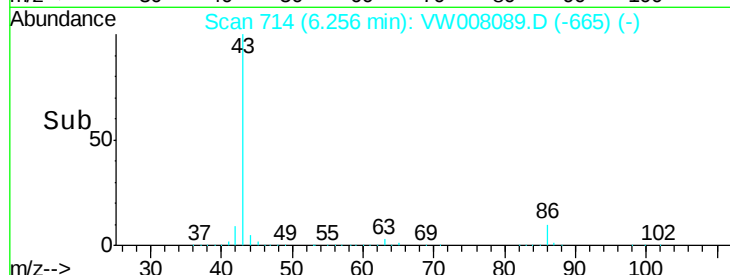
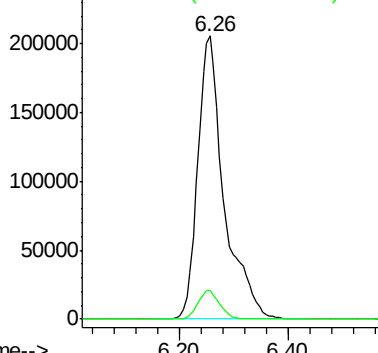
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 85.500 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

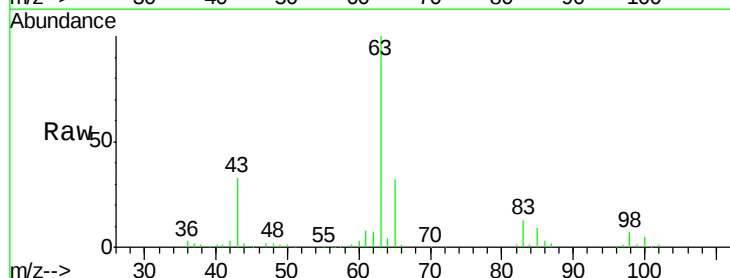
Tgt Ion: 63 Resp: 147579

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

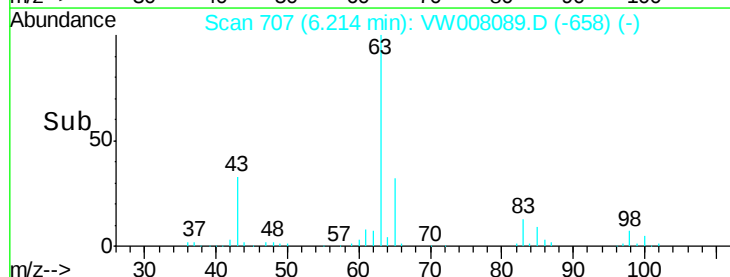
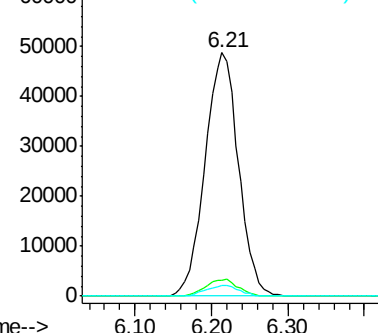
100 4.5 2.0 6.0

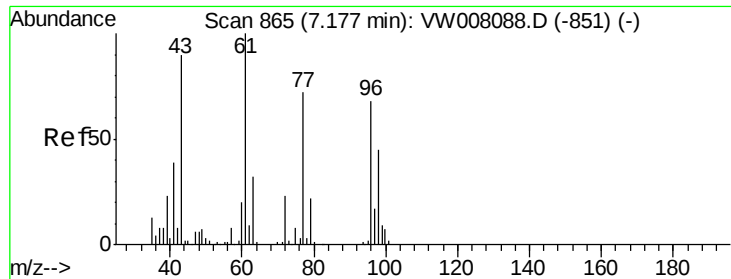


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 506.728 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion: 43 Resp: 101812

Ion Ratio Lower Upper

43 100

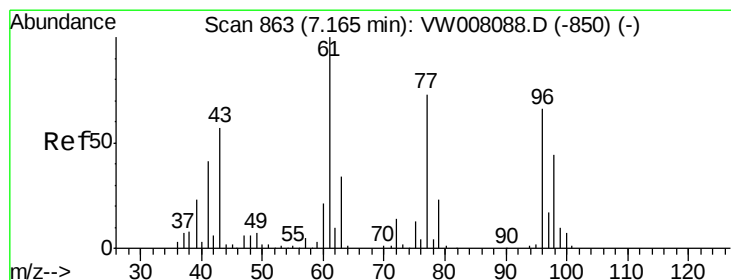
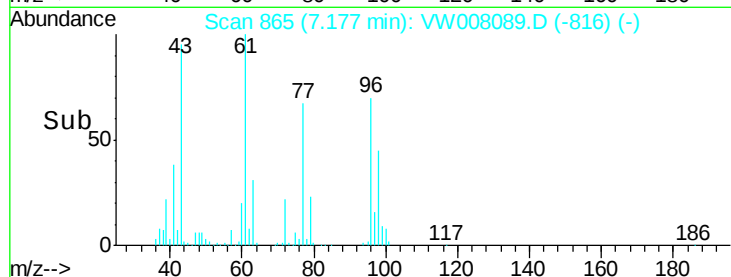
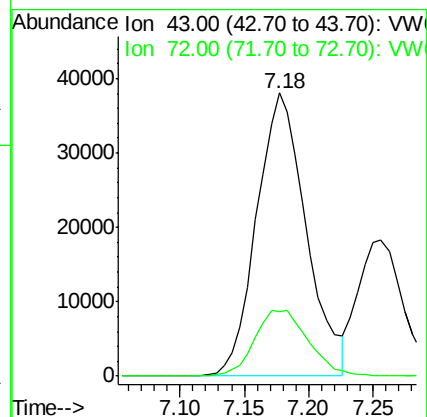
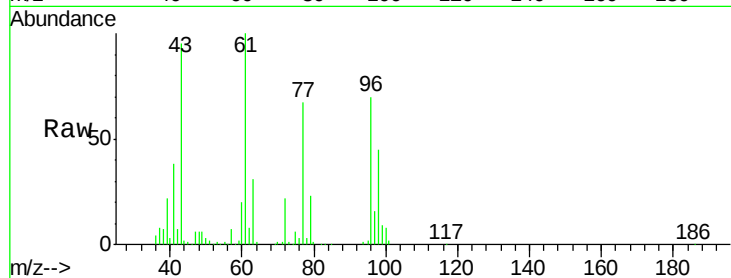
72 22.6 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 70.613 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008089.D

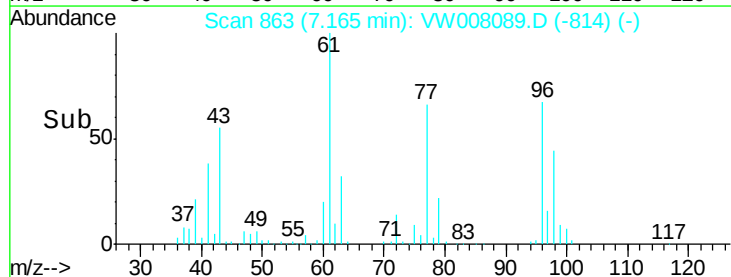
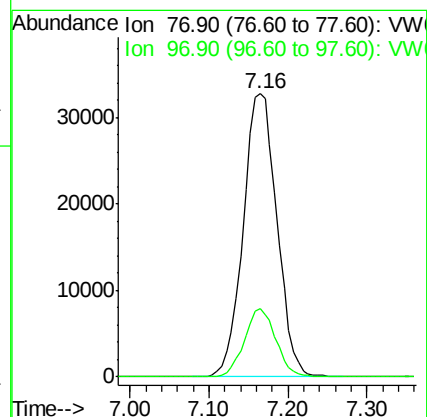
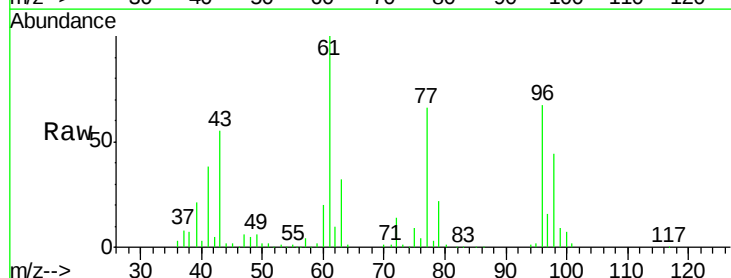
Acq: 08 Jan 2019 17:04

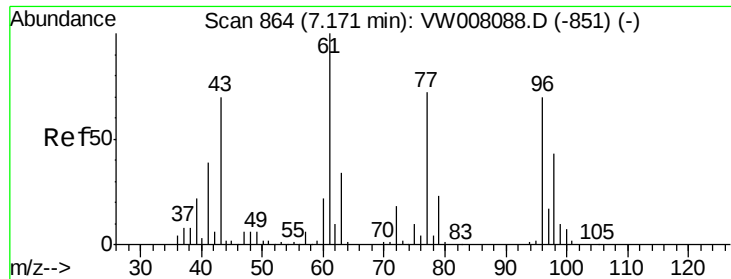
Tgt Ion: 77 Resp: 97161

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





#27

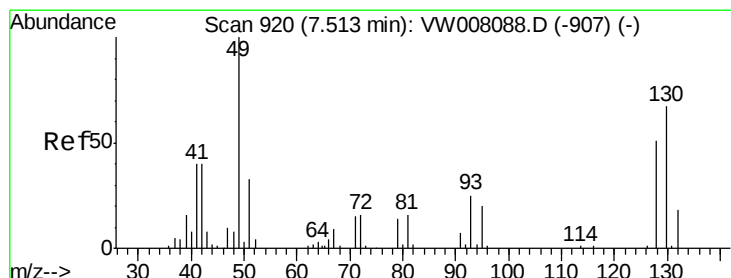
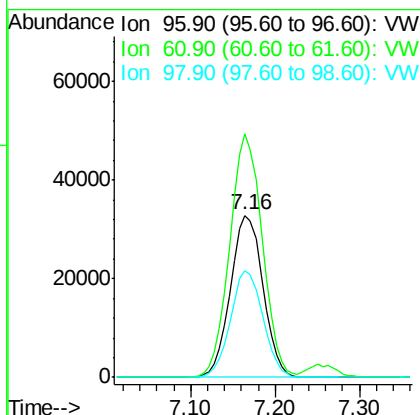
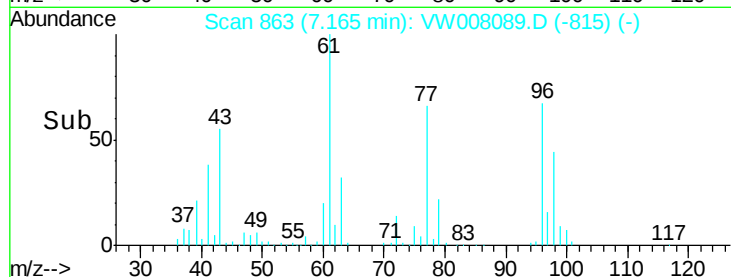
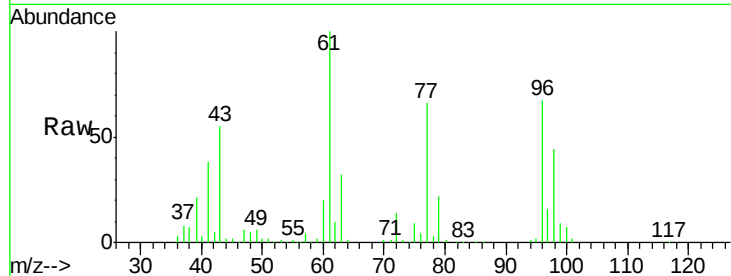
cis-1,2-Dichloroethene
Concen: 78.865 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	300.4
98	65.4	0.0	128.4

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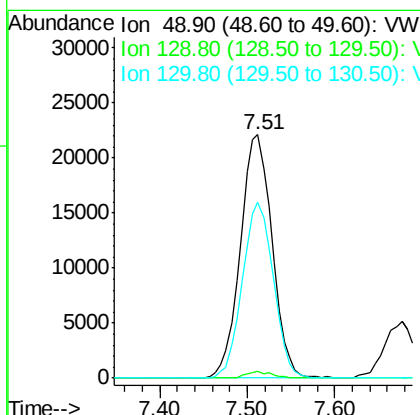
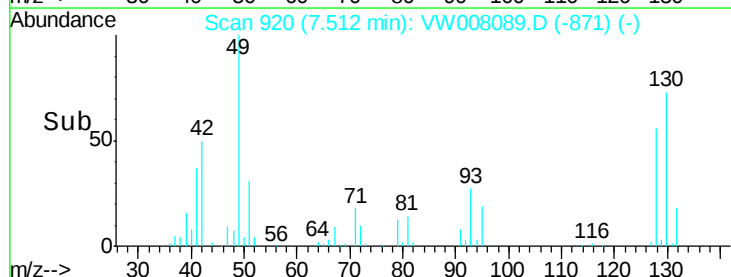
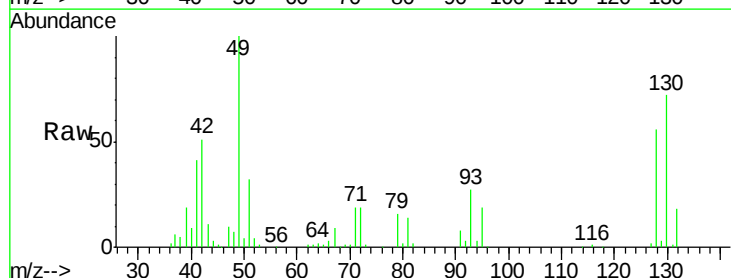
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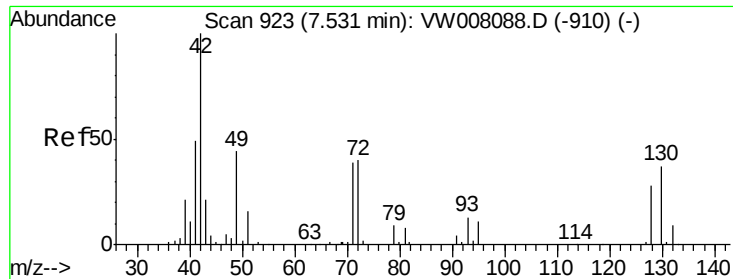


#28

Bromochloromethane
Concen: 95.257 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.8
130	70.5	54.3	81.5





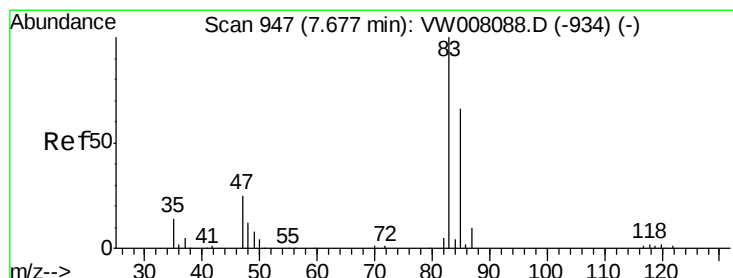
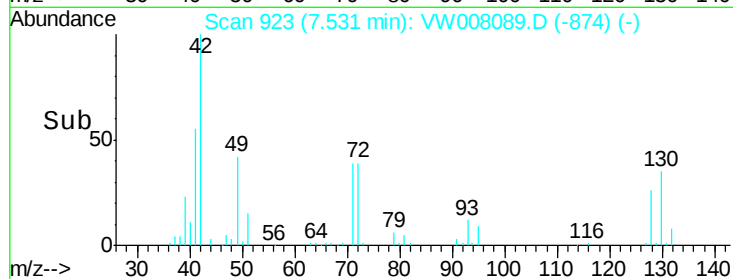
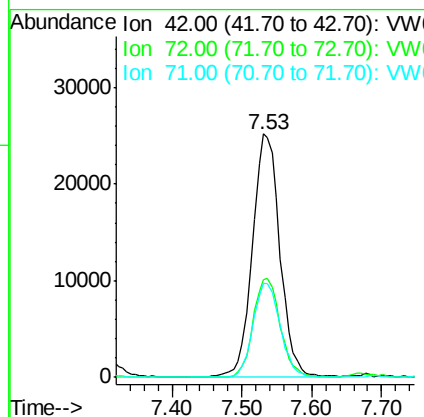
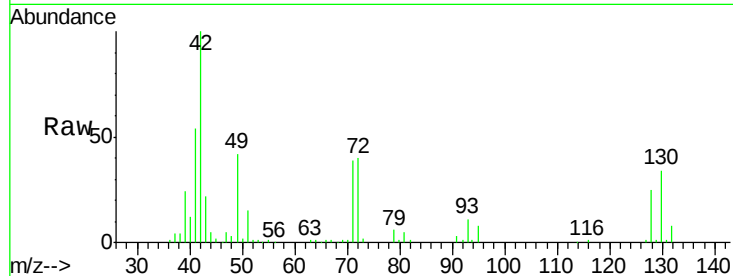
#29
Tetrahydrofuran
Concen: 539.068 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.4	48.6
71	38.2	31.3	46.9

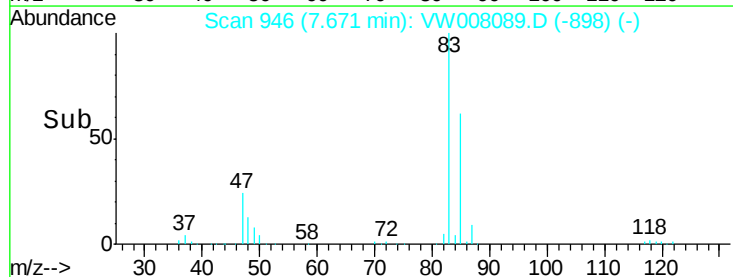
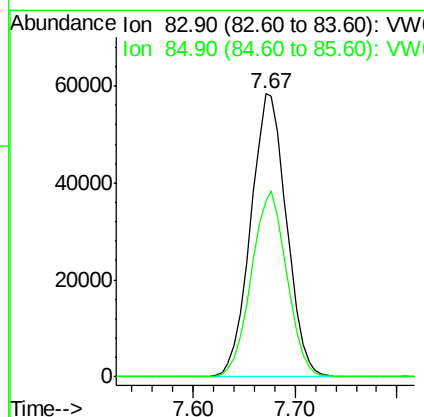
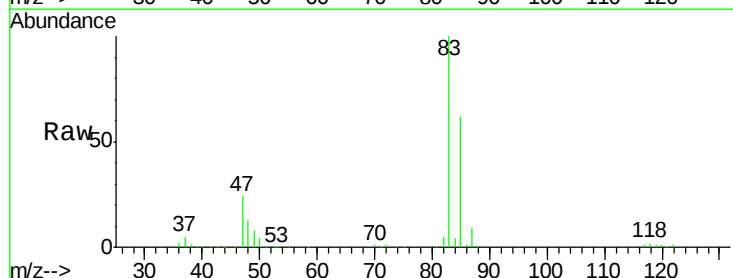
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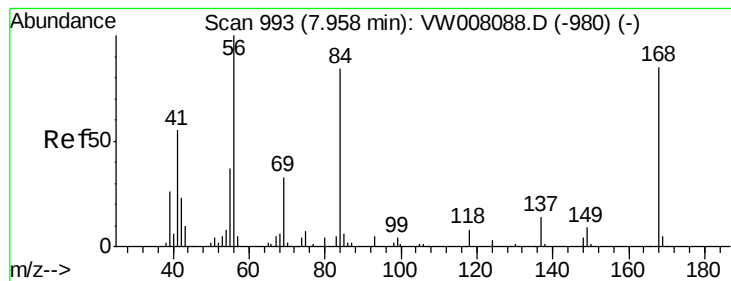
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#30
Chloroform
Concen: 75.436 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	53.2	79.8





#31

Cyclohexane

Concen: 90.920 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

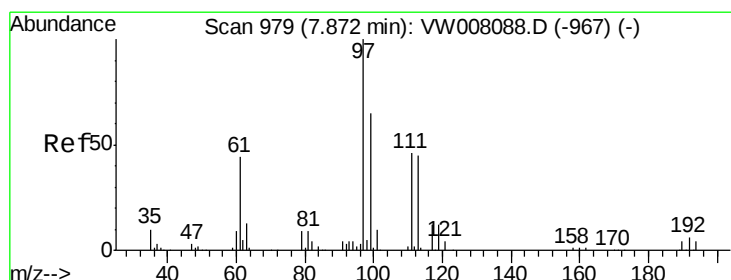
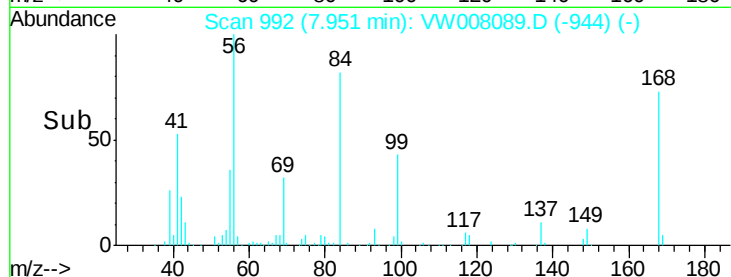
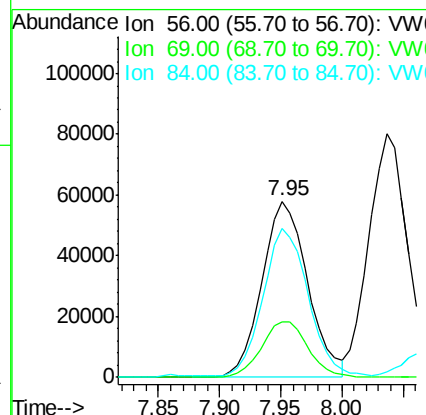
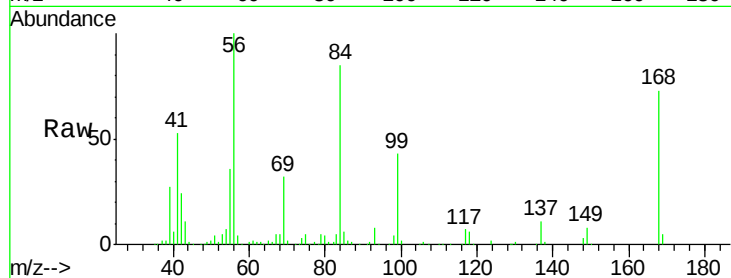
ClientSampled :

VSTDIC075

Tot Ion:	56	Resp:	150691
Ion Ratio	Lower	Upper	
56	100		
69	31.8	26.2	39.4
84	83.7	67.4	101.2

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#32

1,1,1-Trichloroethane

Concen: 70.137 ug/l

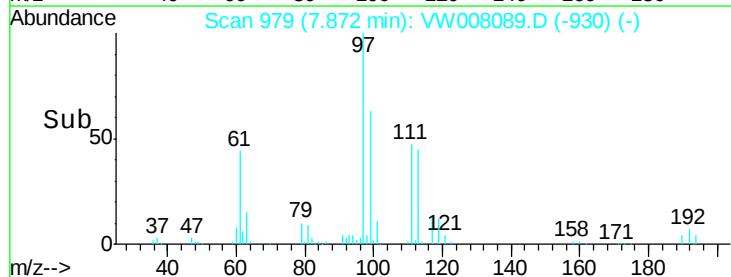
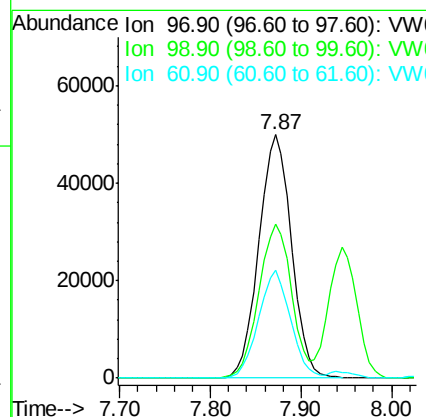
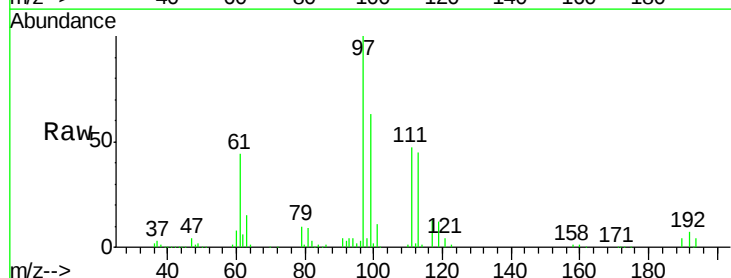
RT: 7.87 min Scan# 979

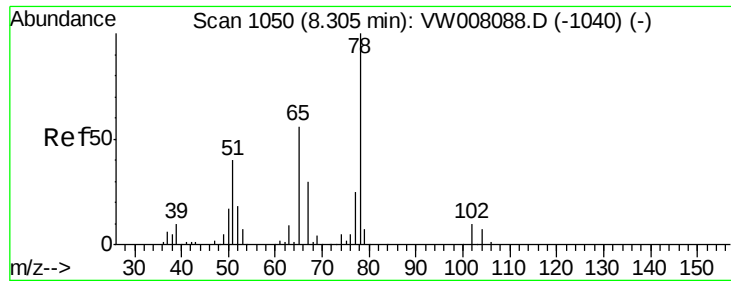
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion:	97	Resp:	124371
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.4	77.0
61	43.7	35.6	53.4





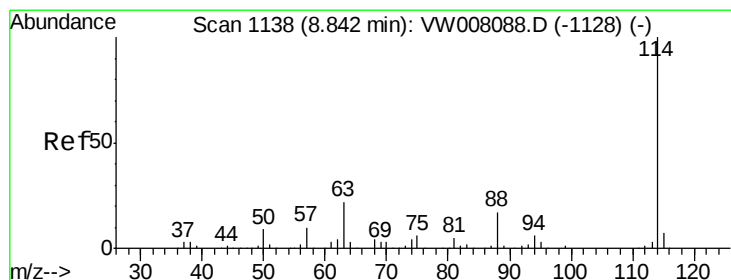
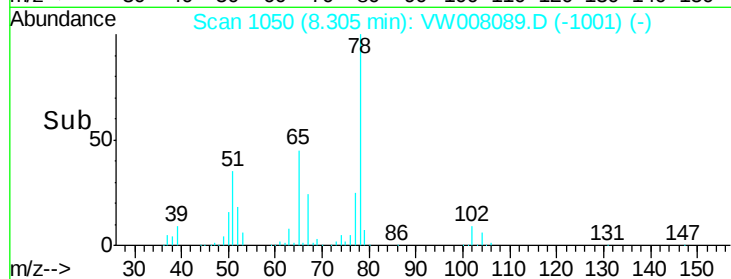
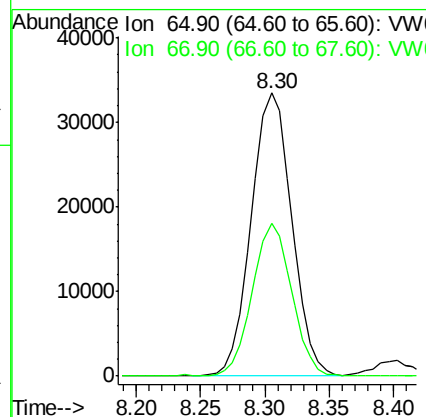
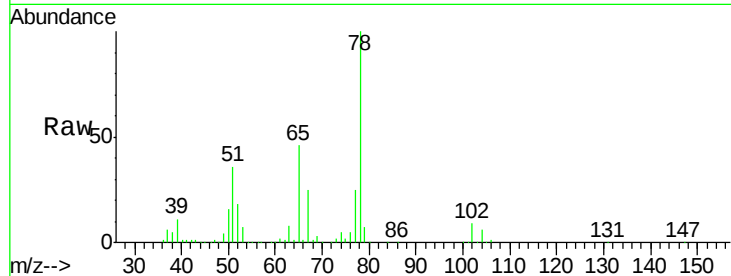
#33
 1,2-Dichloroethane-d4
 Concen: 70.867 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
65	100	73256		
67	52.5	0.0	106.8	

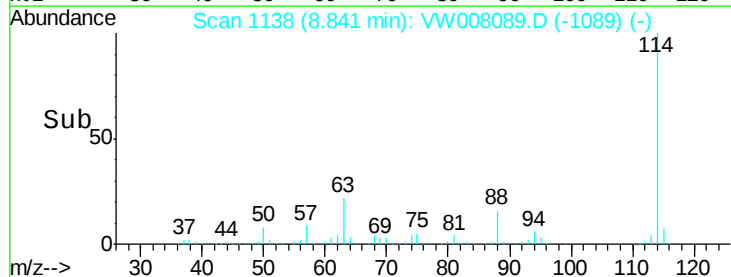
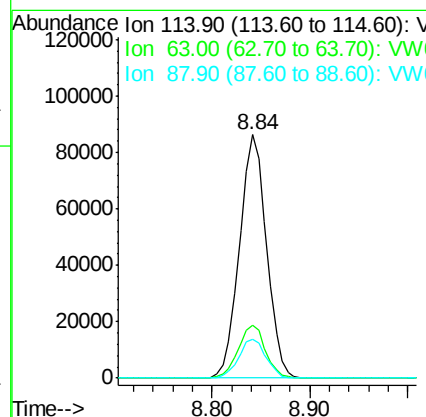
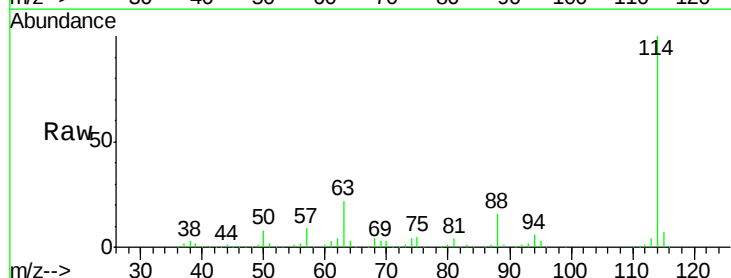
Manual Integrations
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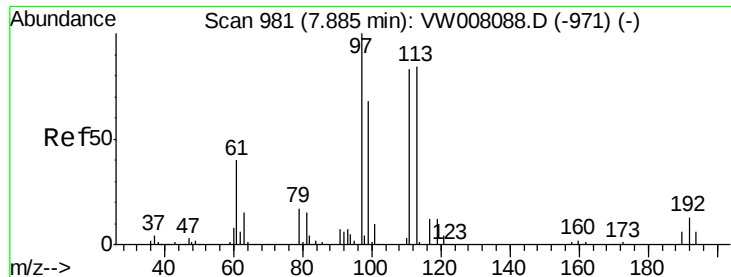
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 1/9/2019 11:07:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	165517		
63	21.9	0.0	43.4	
88	16.0	0.0	33.4	





#35

Dibromofluoromethane

Concen: 65.111 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

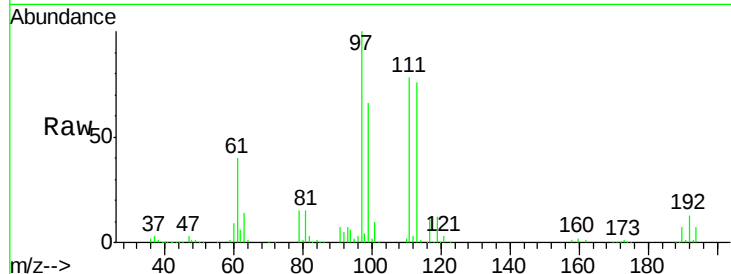
ClientSampleId :

VSTDIC075

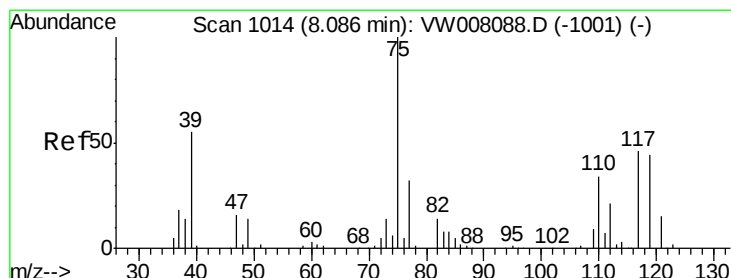
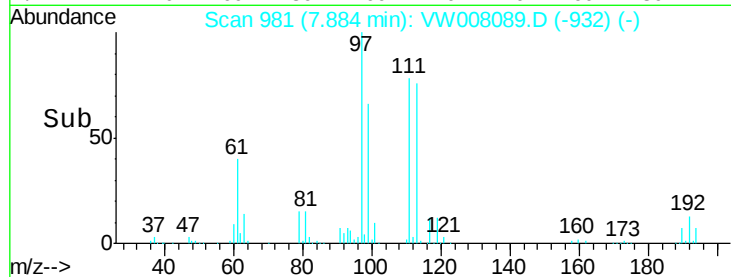
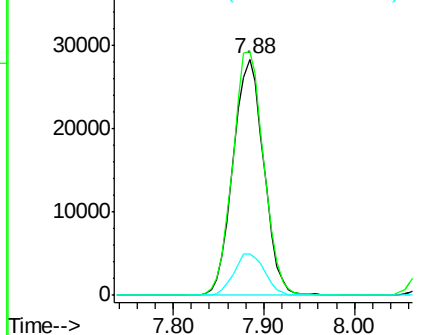
Tot Ion:	113	Resp:	66816
Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.8	122.8
192	17.7	12.8	19.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 75.682 ug/l

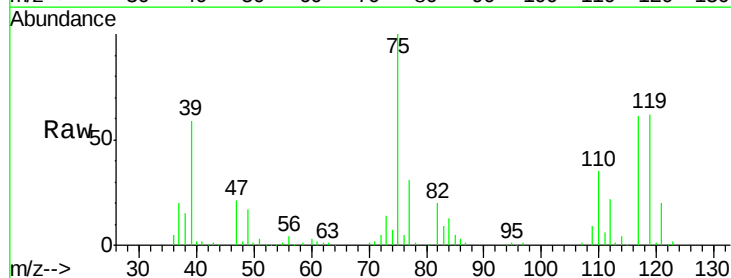
RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

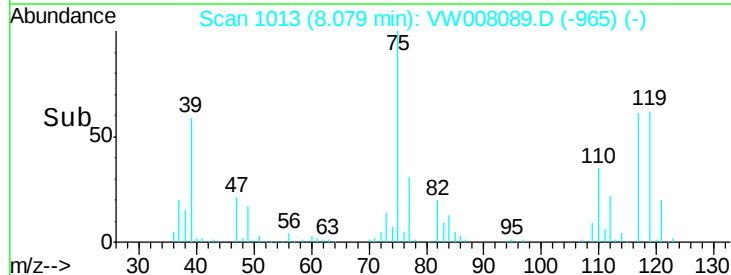
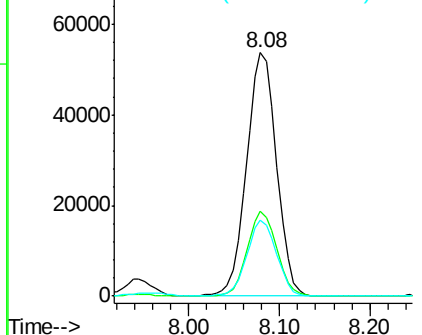
Lab File: VW008089.D

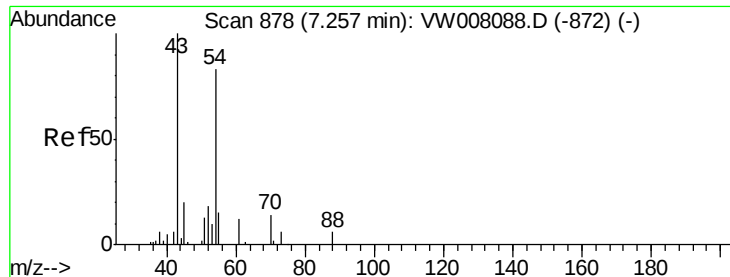
Acq: 08 Jan 2019 17:04

Tgt Ion:	75	Resp:	122643
Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.1	51.3
77	31.2	25.5	38.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





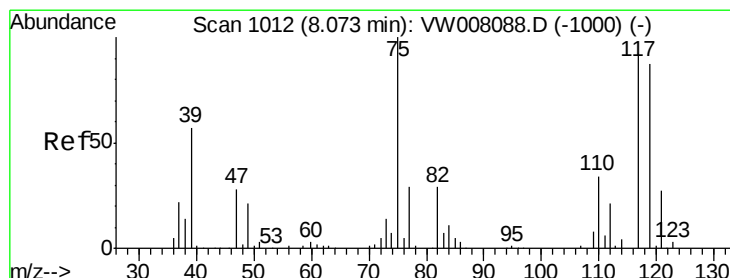
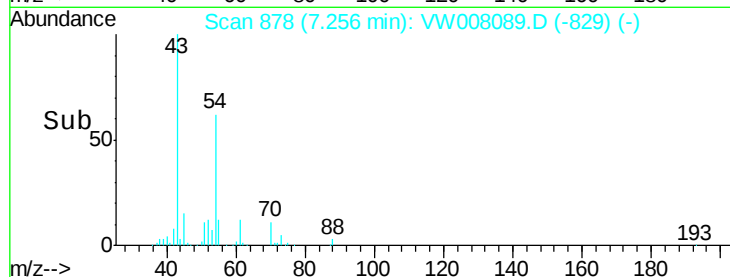
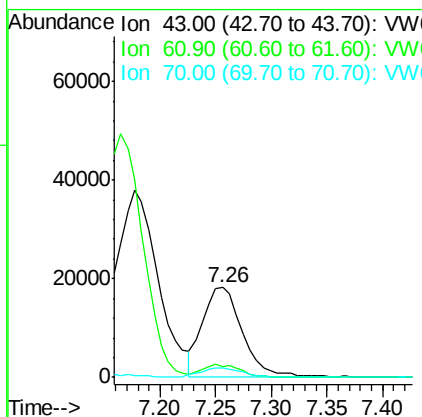
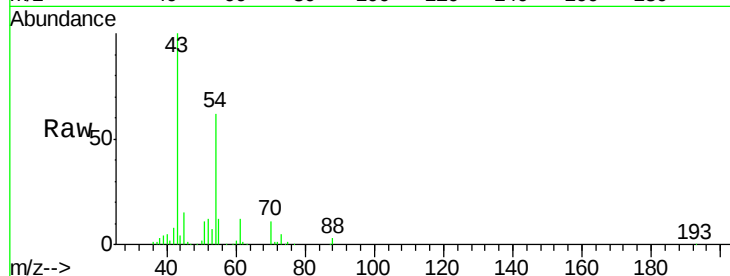
#37
Ethyl Acetate
Concen: 87.163 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	43	Resp	45042
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	16.0
70	11.3	8.9	13.3

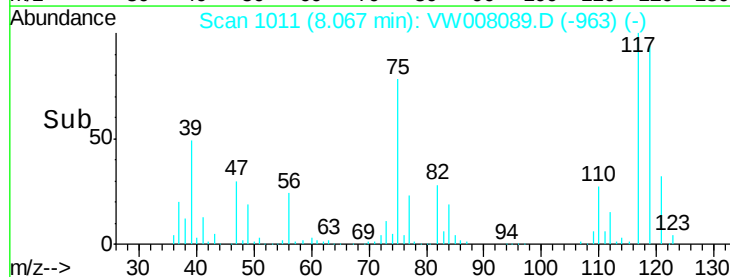
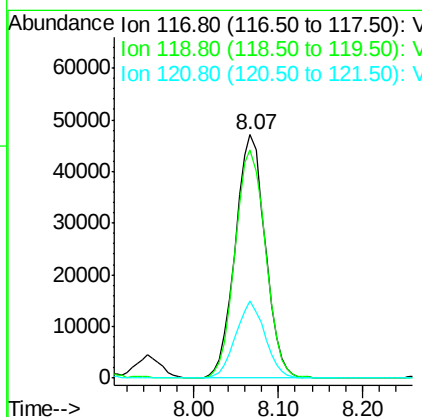
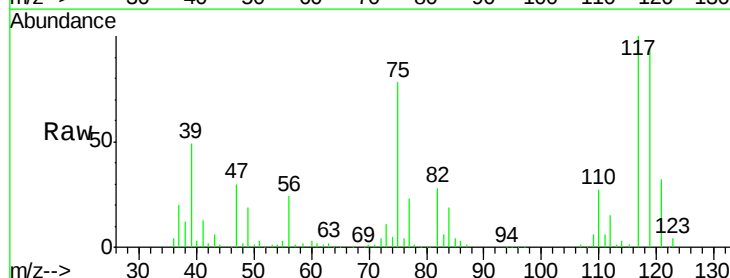
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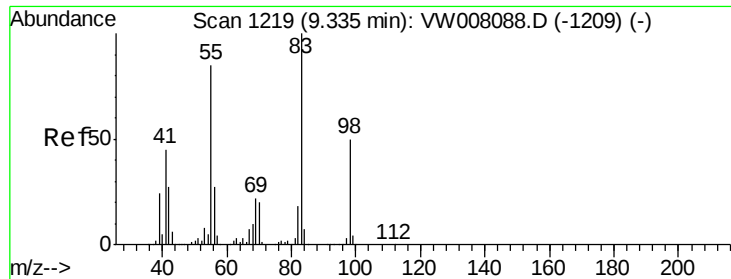
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#38
Carbon Tetrachloride
Concen: 60.661 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	117	Resp	113170
Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.8	113.8
121	31.8	23.7	35.5





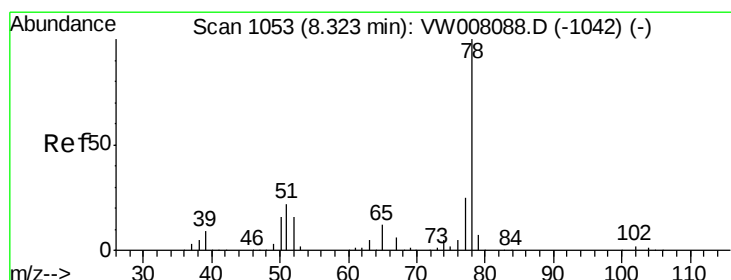
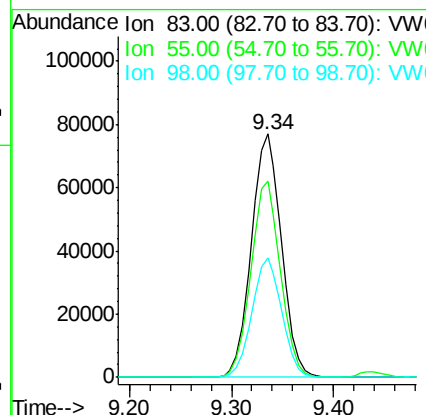
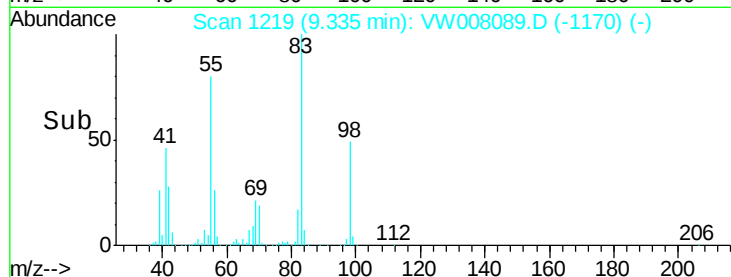
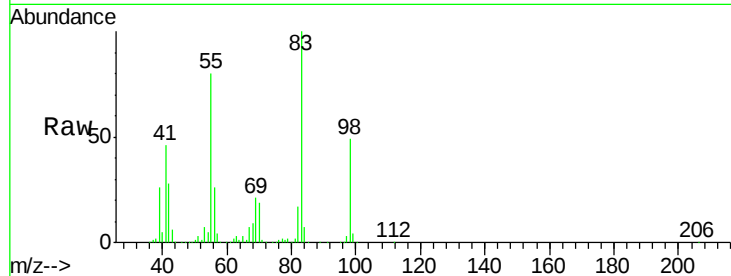
#39
Methvlcvclohexane
Concen: 77.768 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion	83	Resp	157935
Ion Ratio	Lower	Upper	
83	100		
55	80.4	67.8	101.6
98	49.3	40.2	60.4

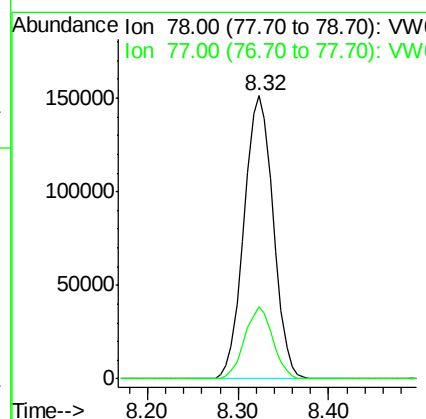
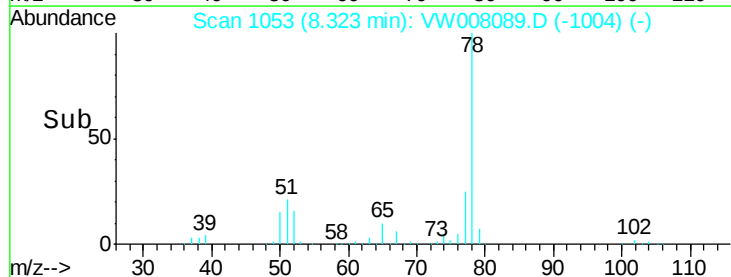
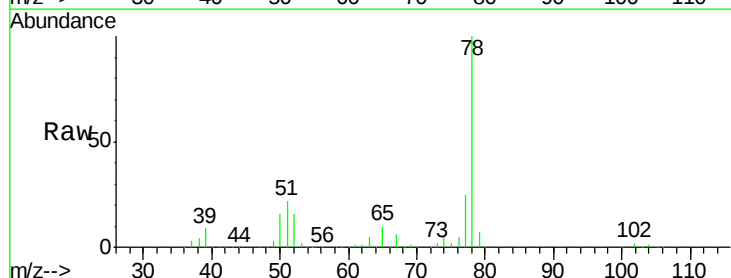
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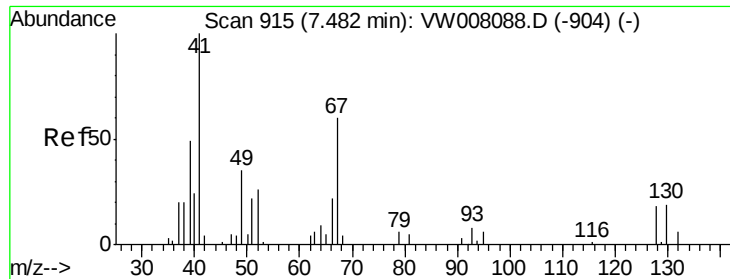
MMDadoda
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#40
Benzene
Concen: 78.244 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	78	Resp	337084
Ion Ratio	Lower	Upper	
78	100		
77	25.4	20.2	30.4





#41

Methacrylonitrile

Concen: 100.803 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

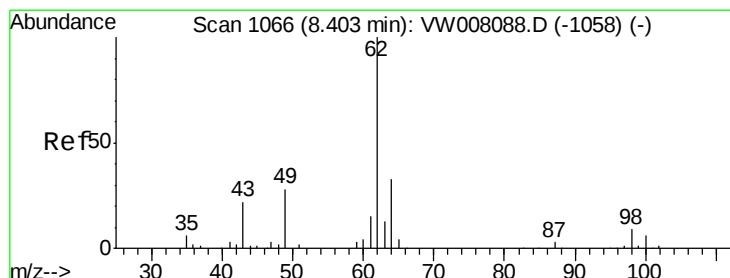
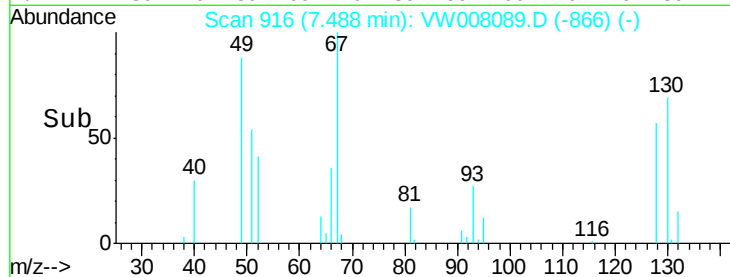
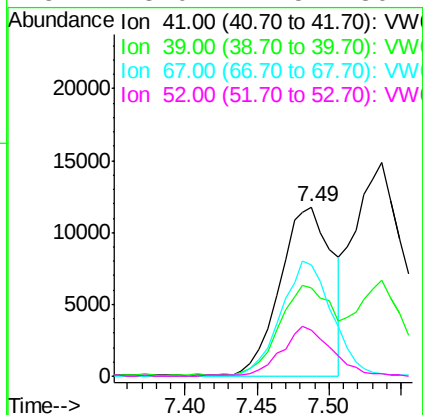
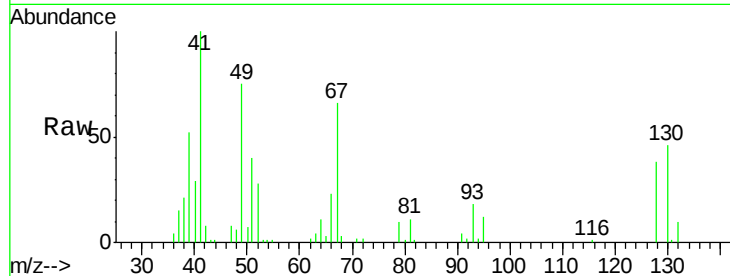
ClientSampled :

VSTDIC075

Tot Ion:	41	Resp:	29876
Ion	Ratio	Lower	Upper
41	100		
39	52.1	47.9	71.9
67	66.4	56.3	84.5
52	28.0	24.5	36.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 65.730 ug/l

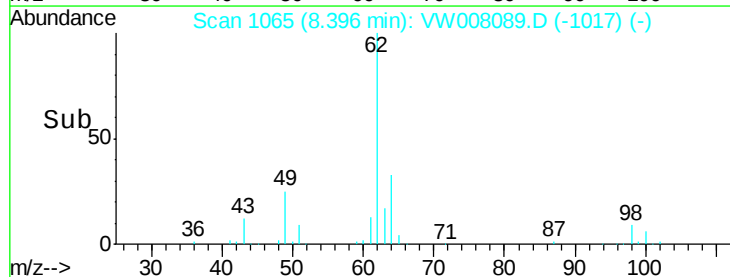
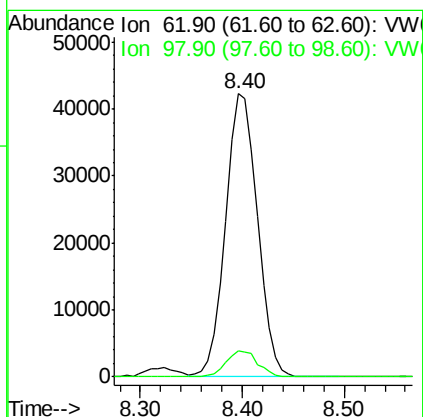
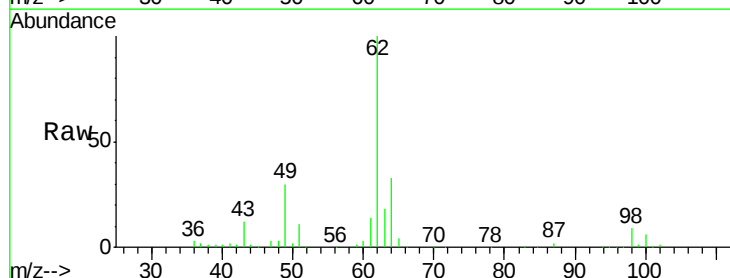
RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion:	62	Resp:	91719
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 96.938 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

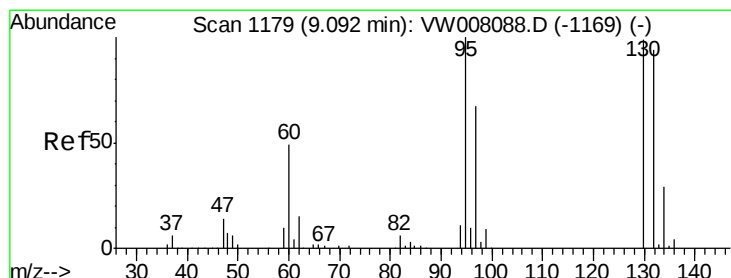
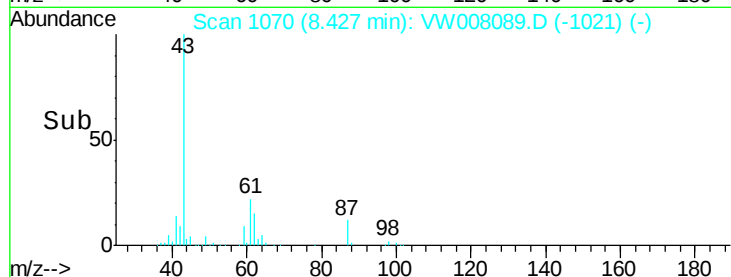
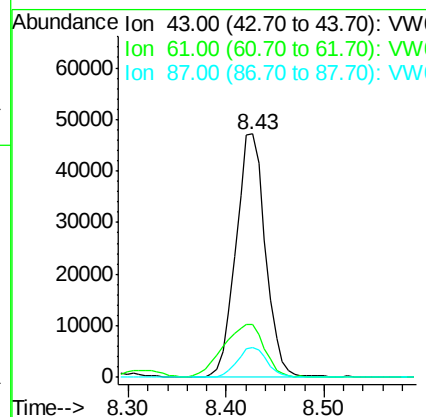
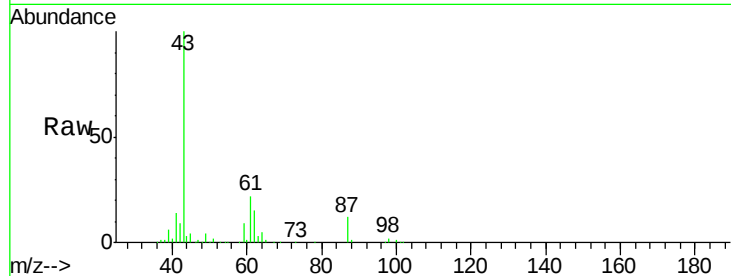
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	99001
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.8	37.2
87	12.5	10.4	15.6

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#44

Trichloroethene

Concen: 69.421 ug/l

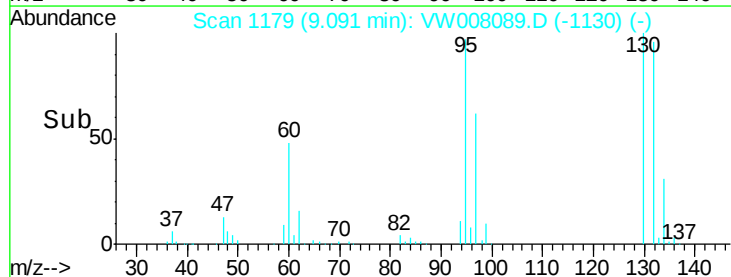
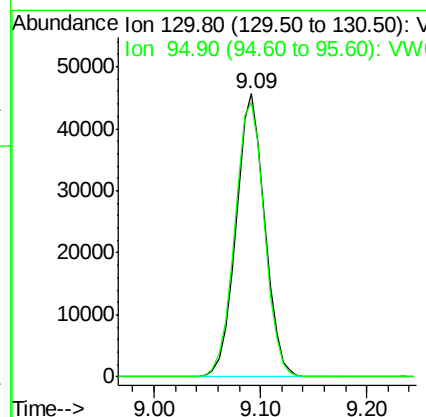
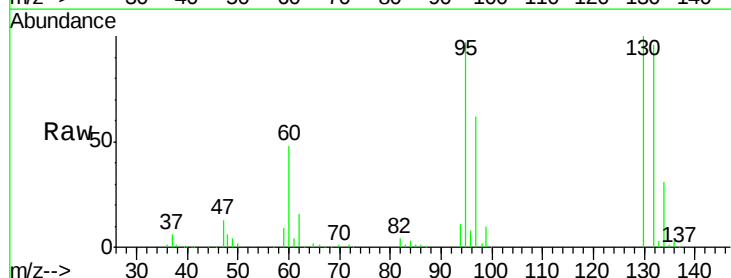
RT: 9.09 min Scan# 1179

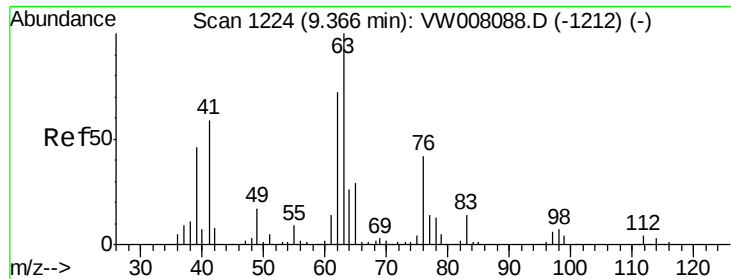
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion:	130	Resp:	85986
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	202.8





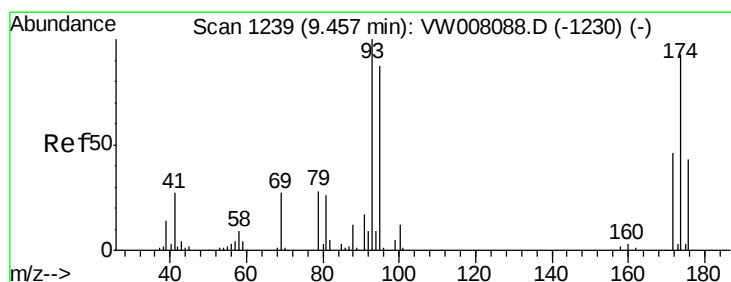
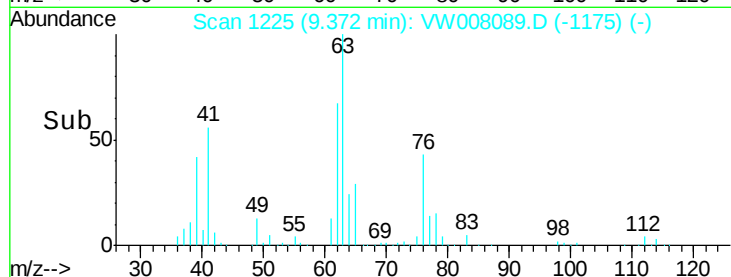
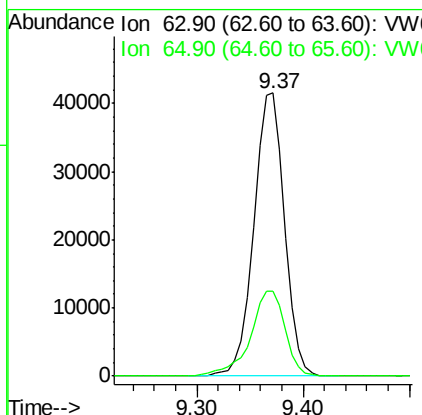
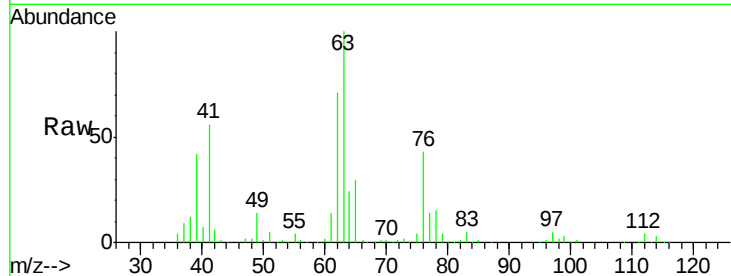
#45
 1,2-Dichloropropane
 Concen: 87.802 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion: 63 Resp: 83903
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.3 34.9

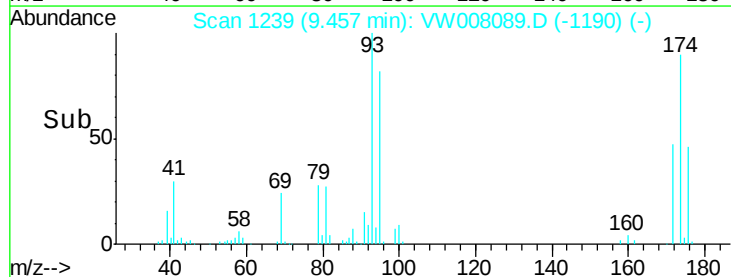
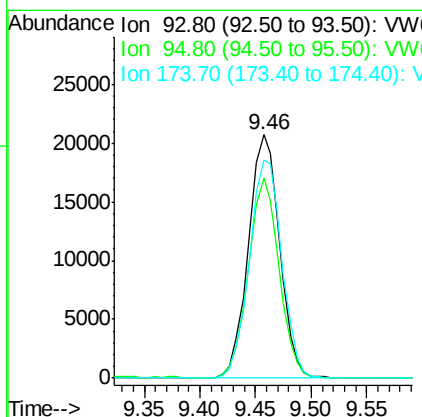
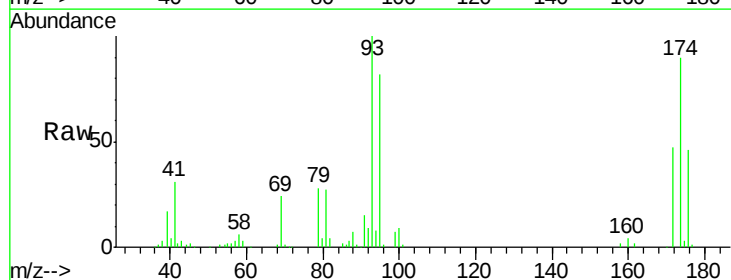
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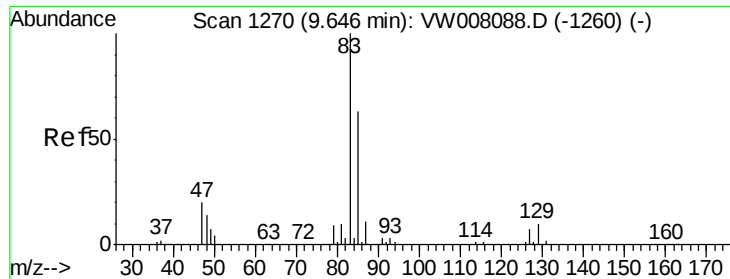
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#46
 Dibromomethane
 Concen: 74.809 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion: 93 Resp: 40393
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.5 101.3
 174 93.0 72.5 108.7





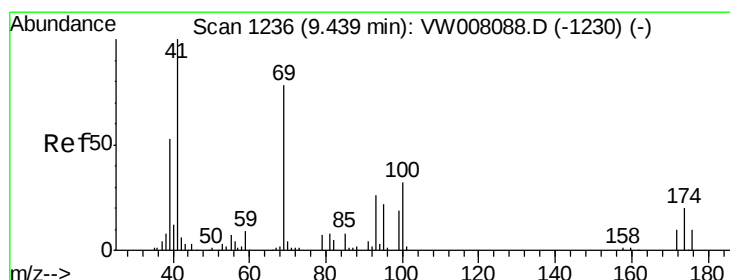
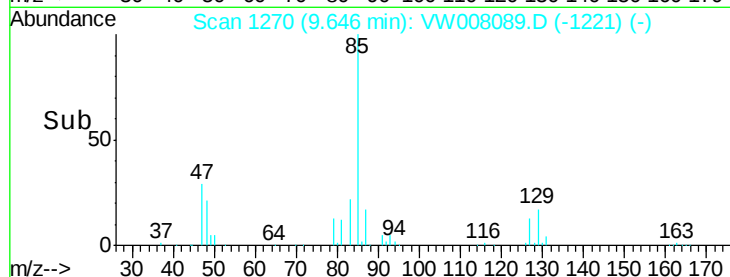
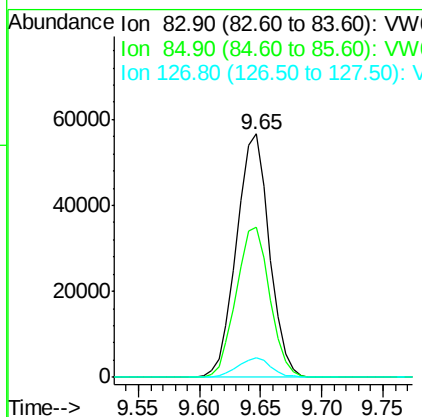
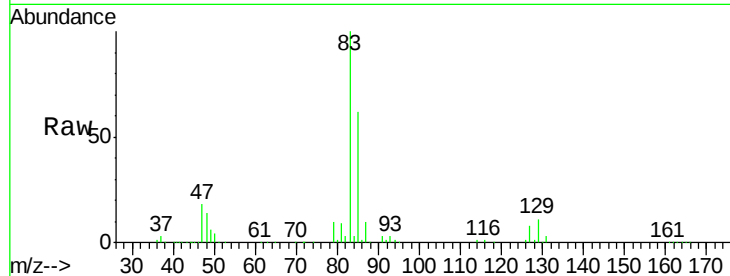
#47
Bromodichloromethane
Concen: 70.414 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	83	Resp	105566
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	50.7	76.1
127	8.2	6.0	9.0

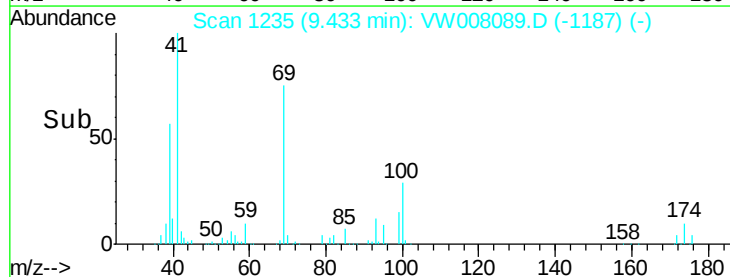
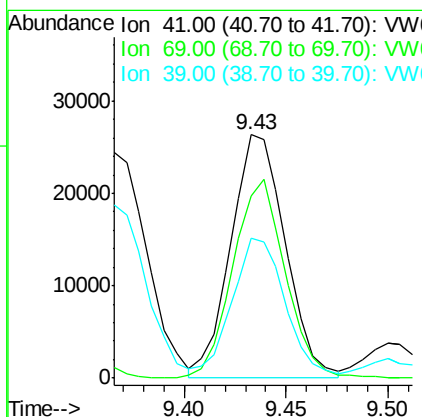
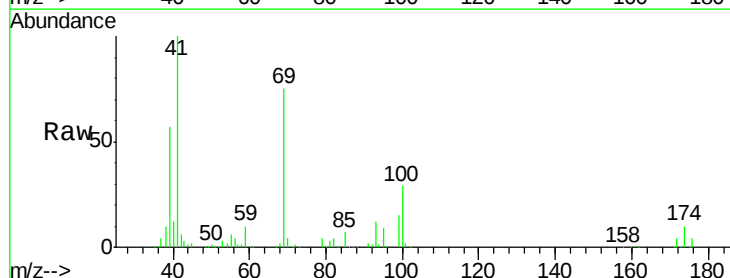
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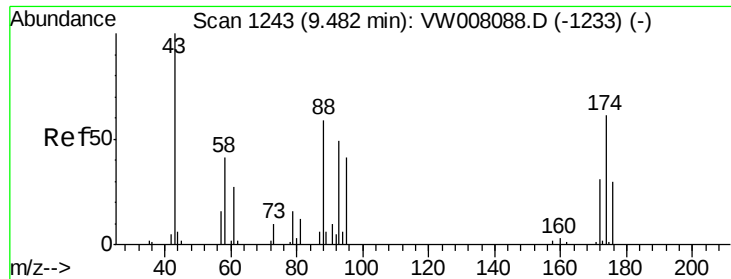
MMDadoda
1/9/2019 11:07:55 AM



#48
Methyl methacrylate
Concen: 94.696 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	41	Resp	48850
Ion Ratio	100	Lower	Upper
41	100		
69	78.8	61.9	92.9
39	52.6	43.0	64.4





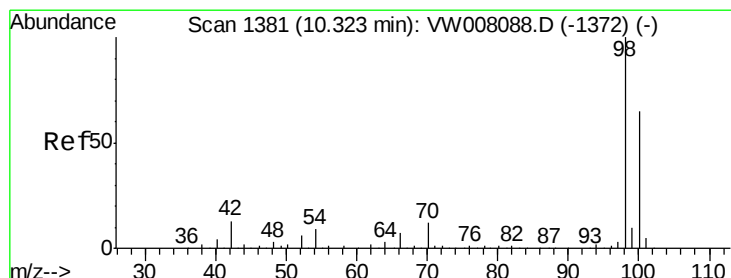
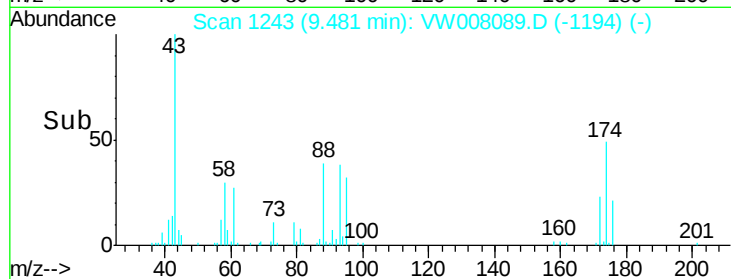
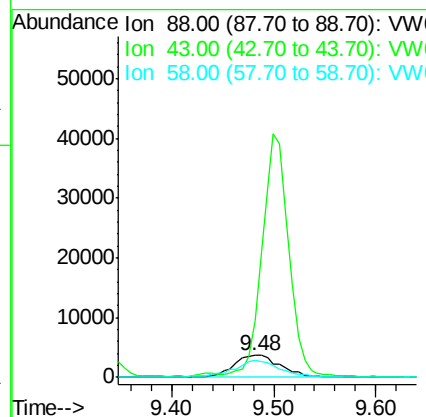
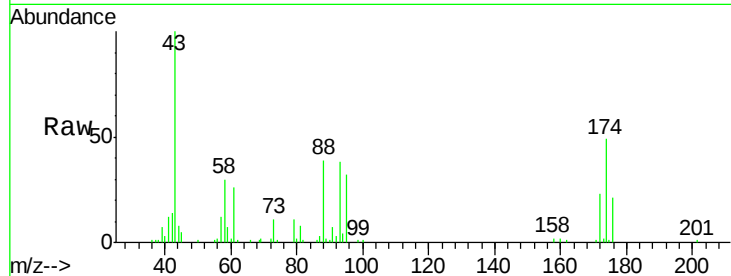
#49
1,4-Dioxane
Concen: 1455.833 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion	88	Resp	11771
Ion	Ratio	Lower	Upper
88	100		
43	626.9	0.0	0.0#
58	76.0	61.7	92.5

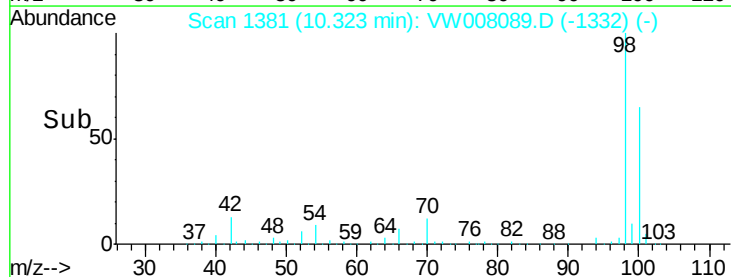
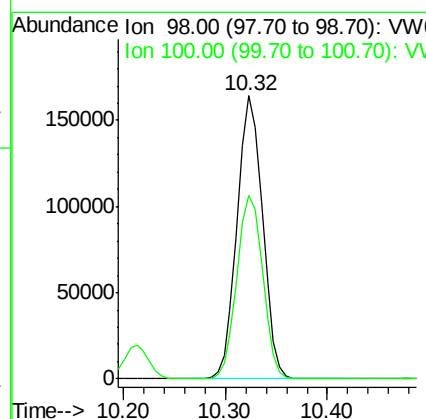
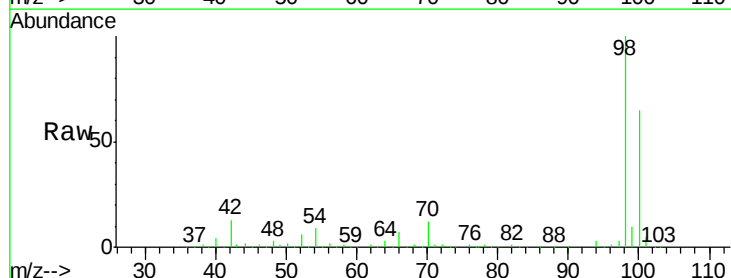
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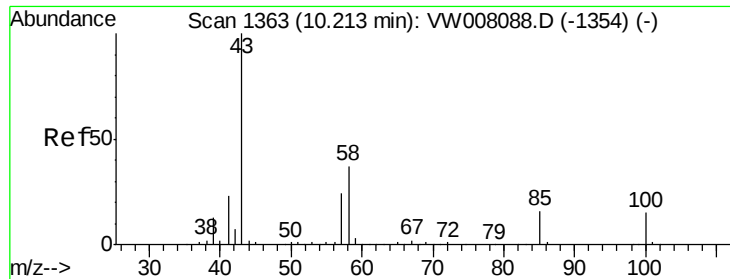
MMDadoda
1/9/2019 11:07:55 AM



#50
Toluene-d8
Concen: 72.026 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	98	Resp	283648
Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 489.766 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion: 43 Resp: 234744

Ion Ratio Lower Upper

43 100

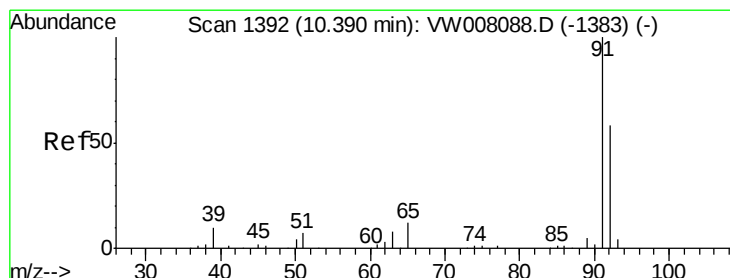
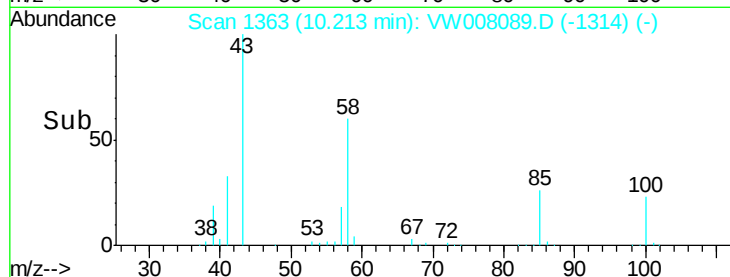
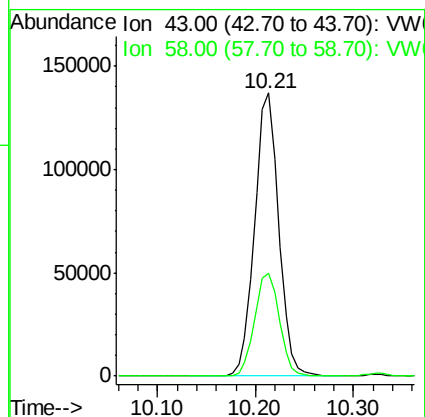
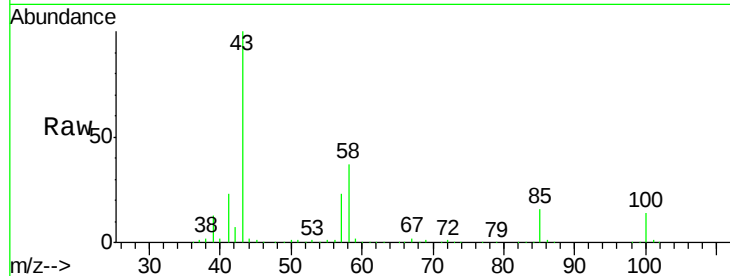
58 37.6 30.6 46.0

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#52

Toluene

Concen: 76.195 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008089.D

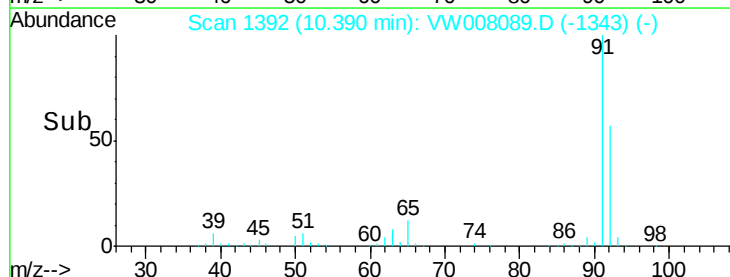
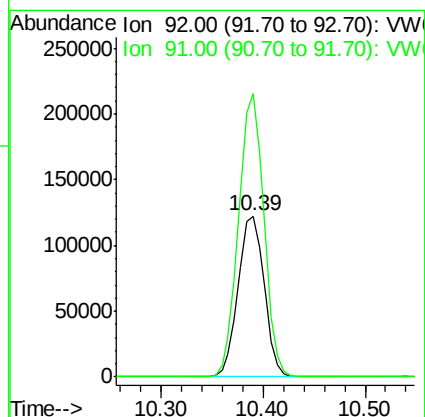
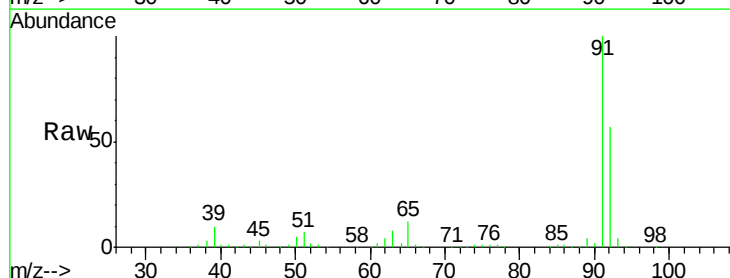
Acq: 08 Jan 2019 17:04

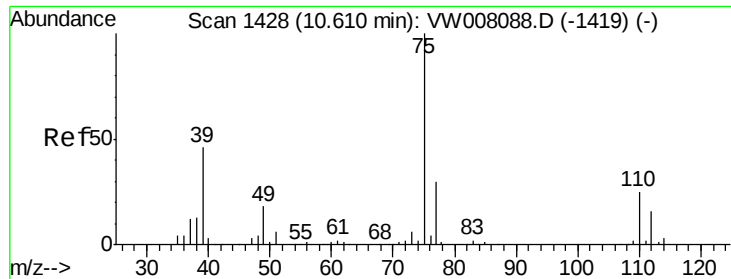
Tgt Ion: 92 Resp: 216387

Ion Ratio Lower Upper

92 100

91 170.9 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 76.634 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 111894

Ion Ratio Lower Upper

75 100

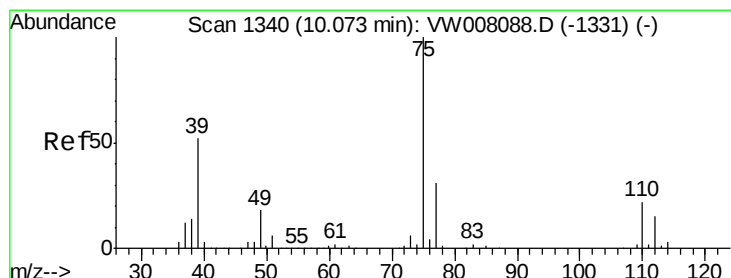
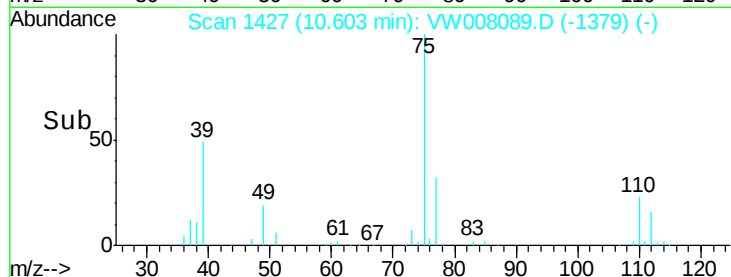
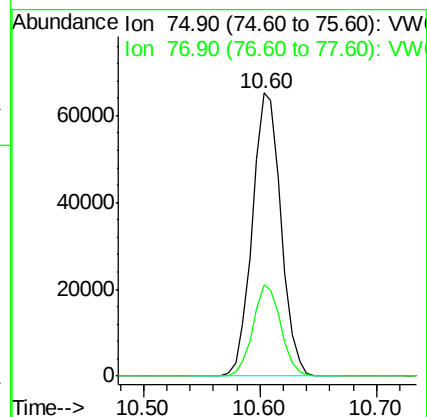
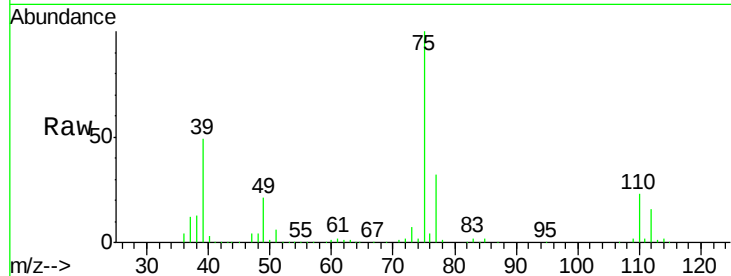
77 32.5 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 79.174 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

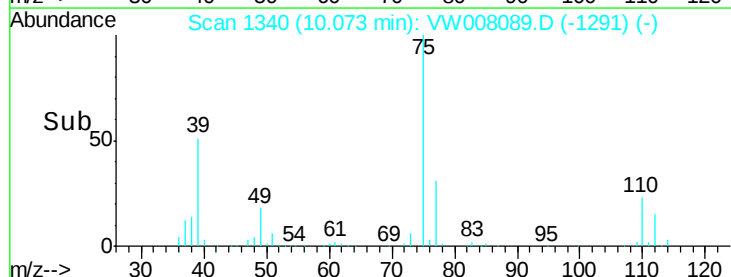
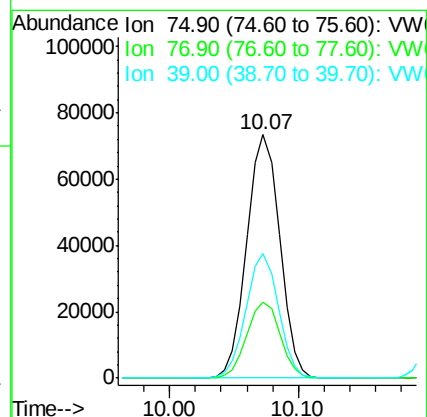
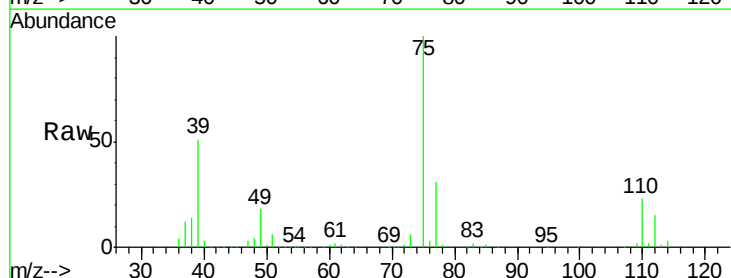
Tgt Ion: 75 Resp: 130210

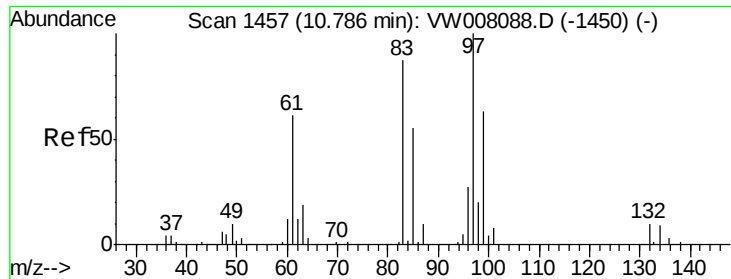
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 50.9 41.4 62.0





#55

1,1,2-Trichloroethane

Concen: 78.580 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion: 97 Resp: 57613

Ion Ratio Lower Upper

97 100

83 85.2 69.3 103.9

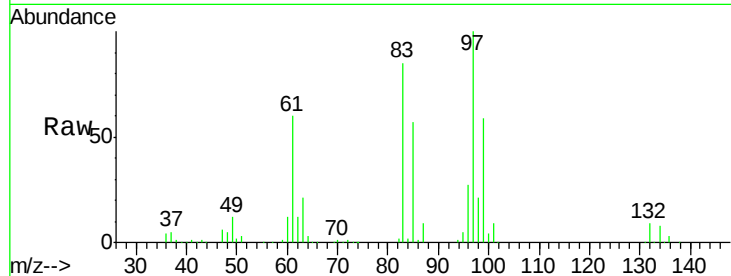
85 56.6 43.8 65.6

99 58.7 50.0 75.0

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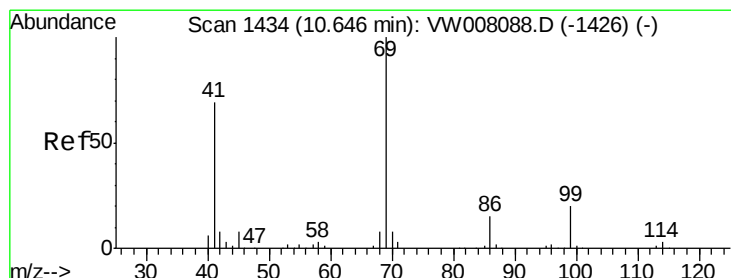
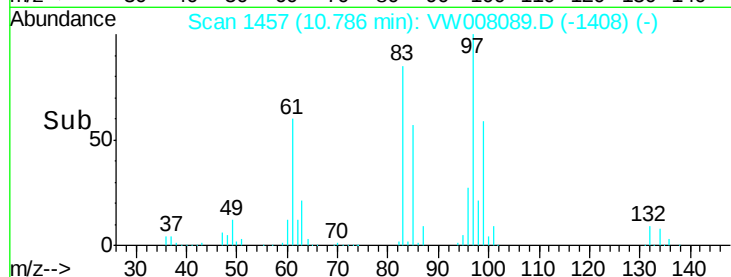
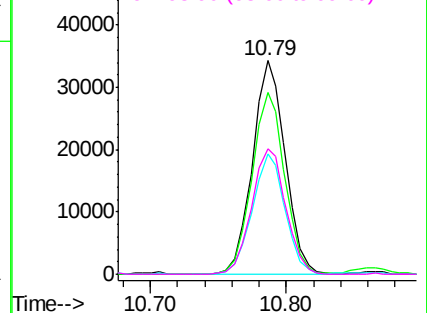
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 88.206 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

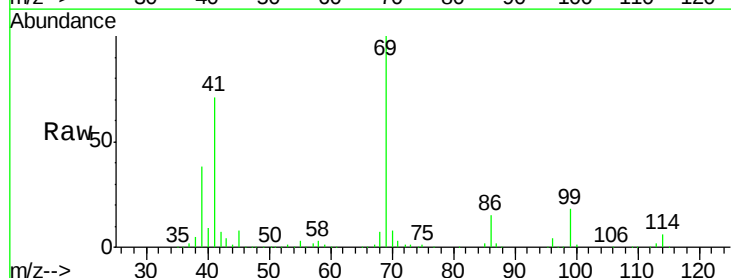
Tgt Ion: 69 Resp: 75011

Ion Ratio Lower Upper

69 100

41 69.3 56.4 84.6

39 34.8 28.1 42.1

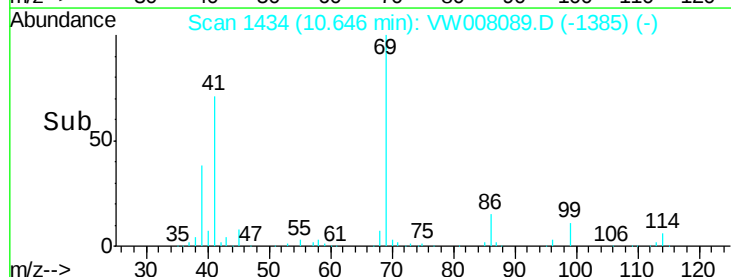
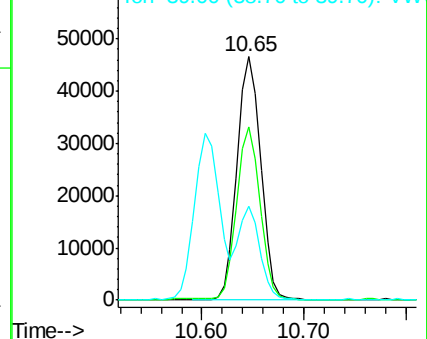


Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





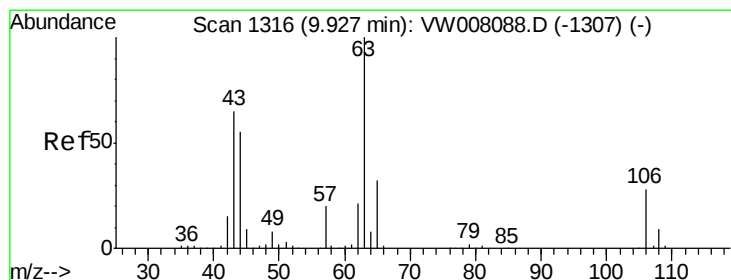
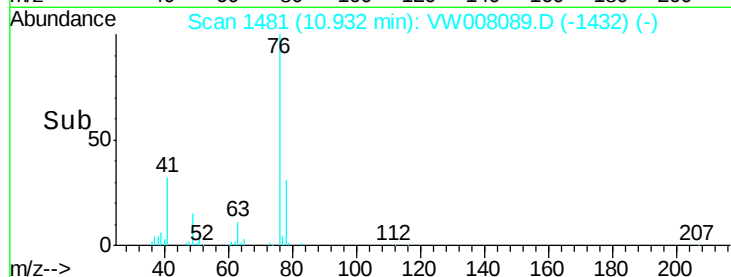
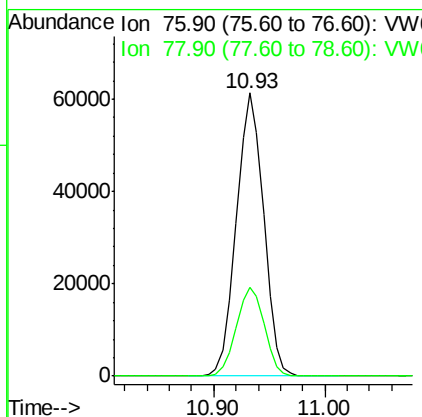
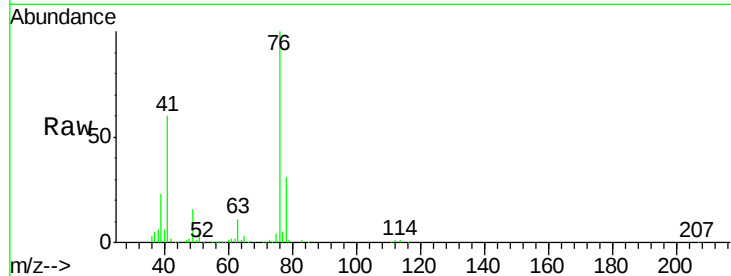
#57
 1,3-Dichloropropane
 Concen: 81.602 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion: 76 Resp: 103869
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

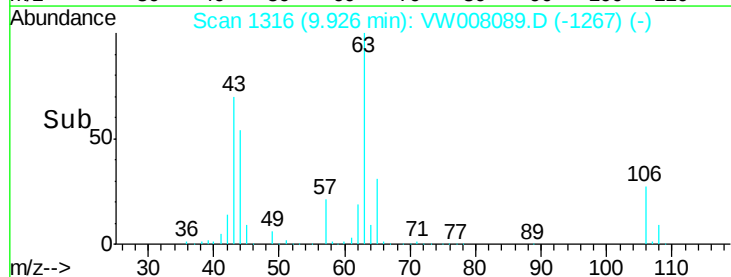
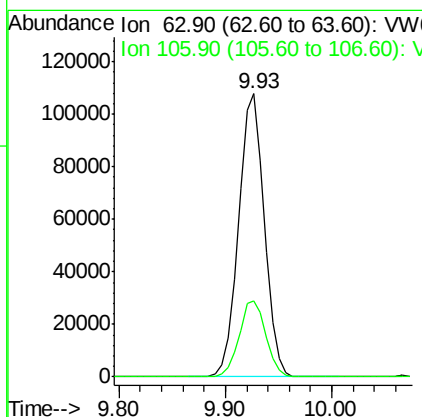
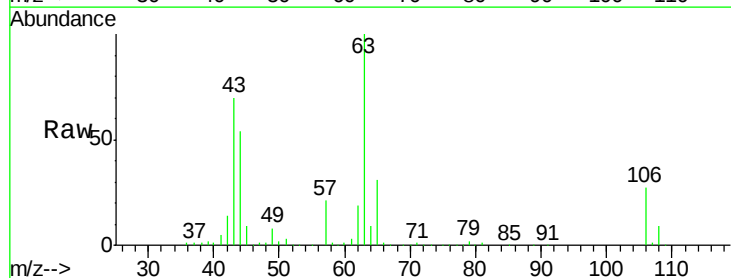
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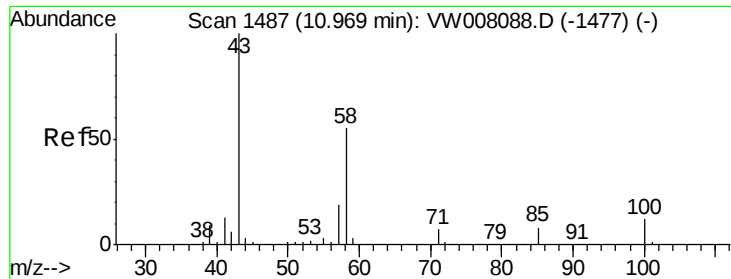
MMDadoda
 1/9/2019 11:07:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 440.406 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion: 63 Resp: 182881
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.8 32.6





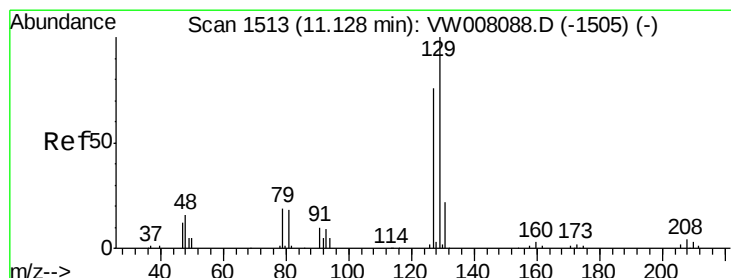
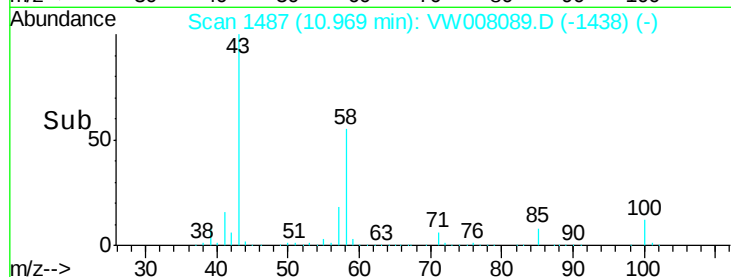
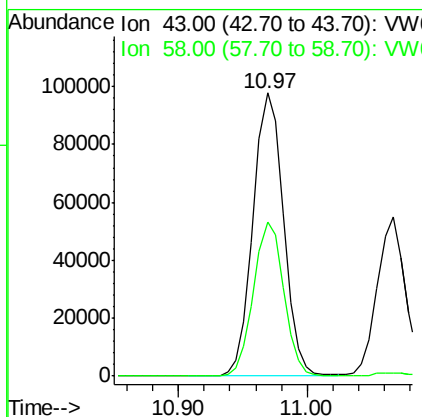
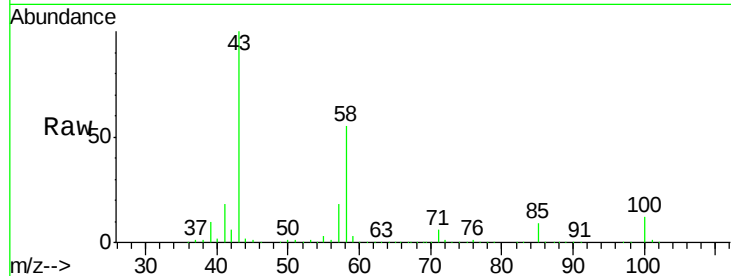
#59
2-Hexanone
Concen: 486.022 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion: 43 Resp: 160306
Ion Ratio Lower Upper
43 100
58 54.1 27.2 81.5

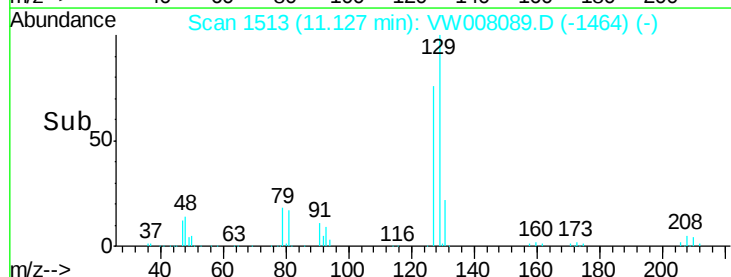
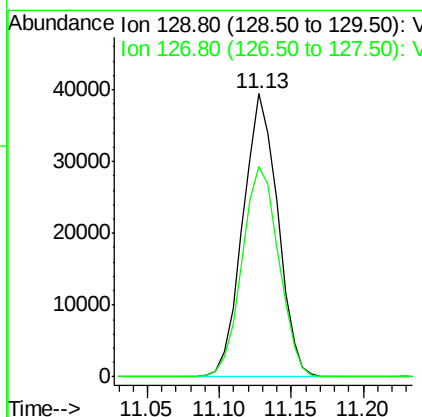
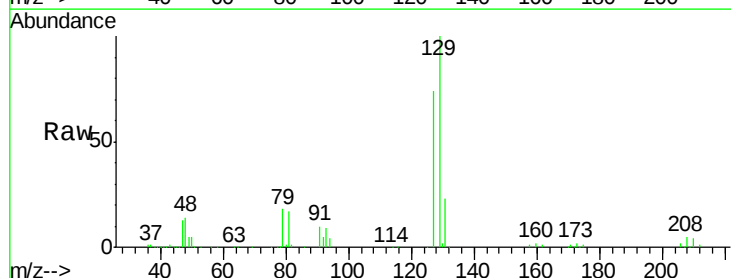
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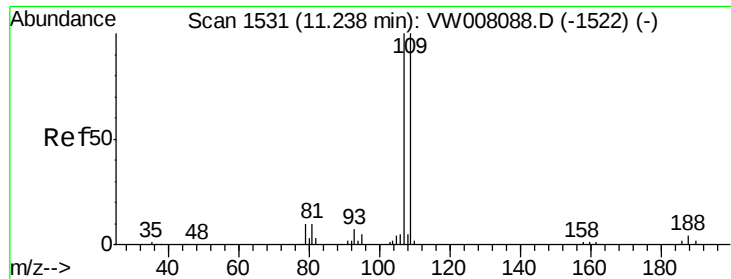
MMDadoda
1/9/2019 11:07:55 AM



#60
Dibromochloromethane
Concen: 67.455 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 129 Resp: 66145
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 75.450 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 107 Resp: 55386

Ion Ratio Lower Upper

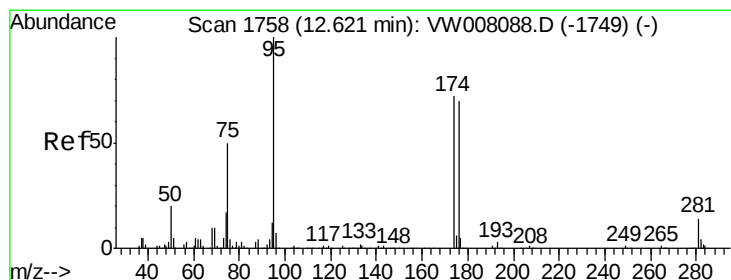
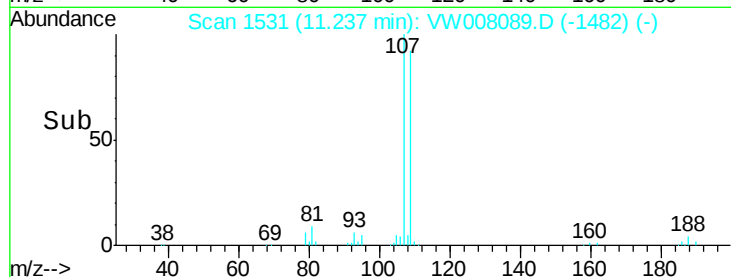
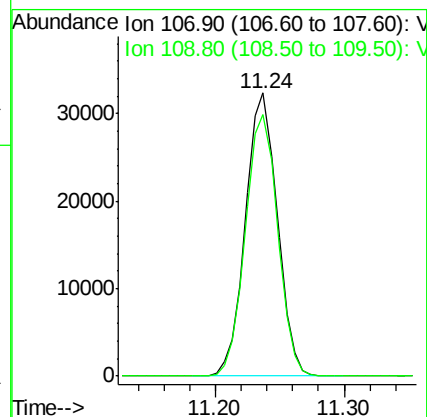
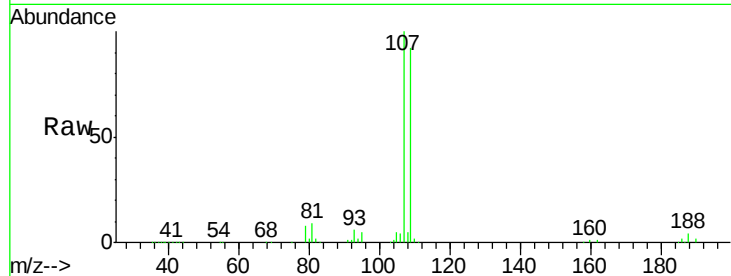
107 100

109 93.6 75.9 113.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 65.886 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

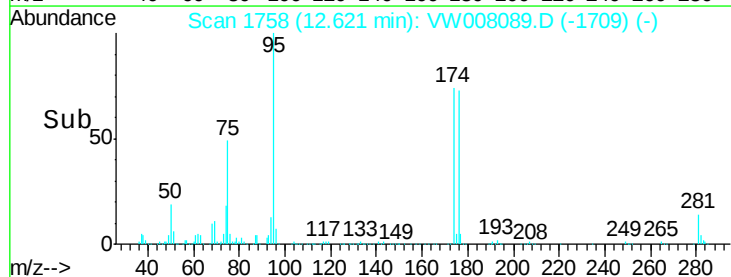
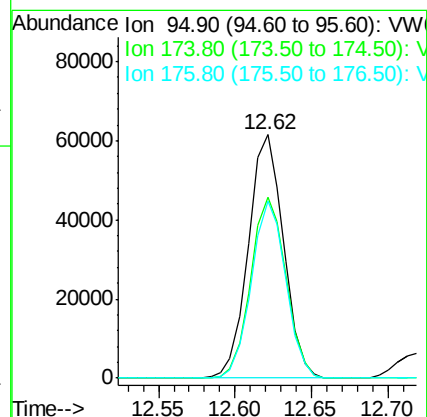
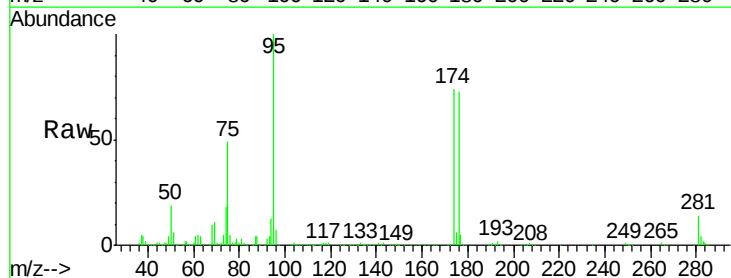
Tgt Ion: 95 Resp: 98351

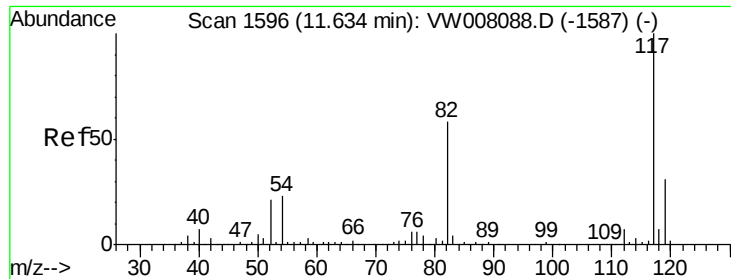
Ion Ratio Lower Upper

95 100

174 74.6 0.0 143.0

176 71.2 0.0 140.2





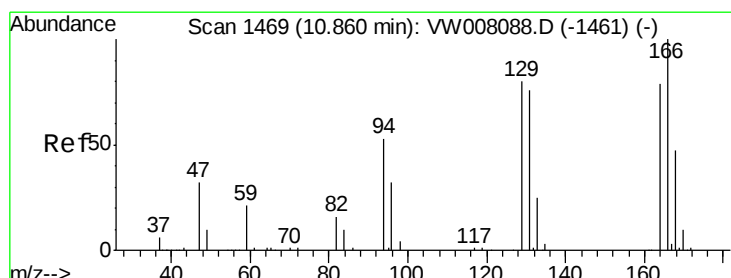
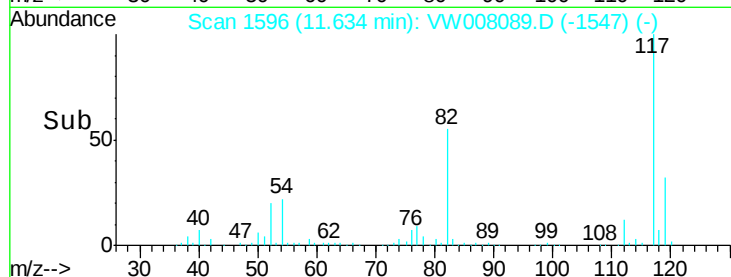
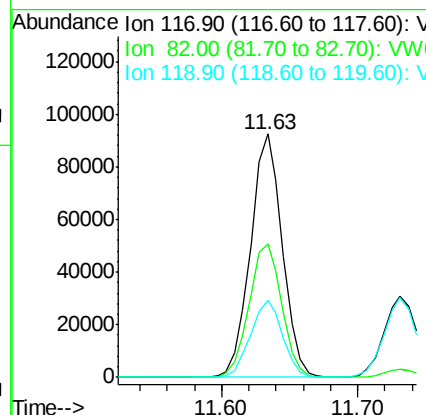
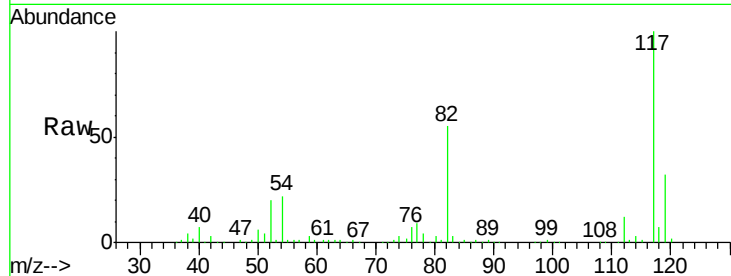
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.4	69.6
119	31.5	24.7	37.1

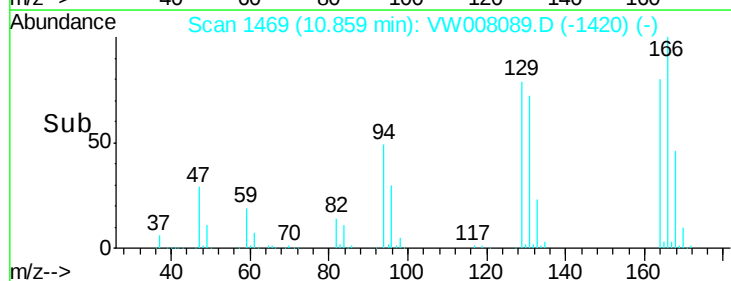
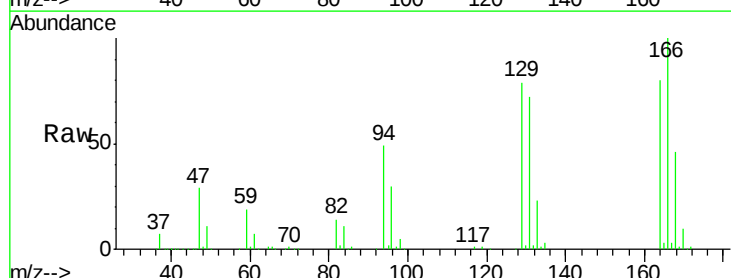
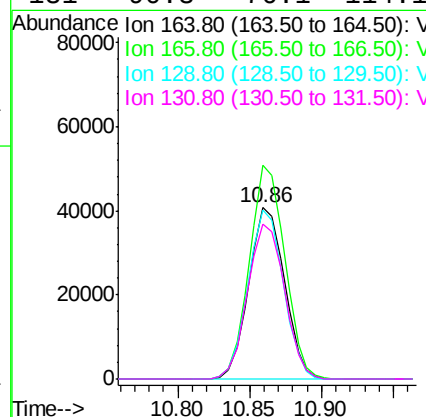
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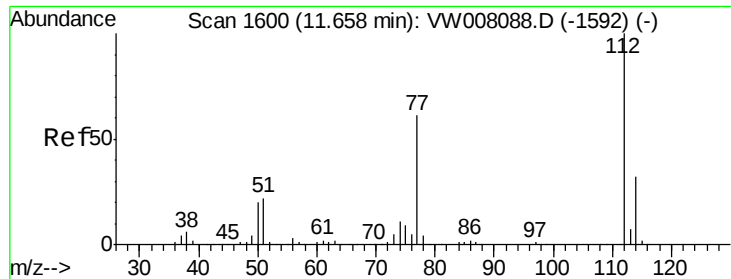
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1/9/2019 11:07:55 AM



#64
Tetrachloroethene
Concen: 69.579 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	100.7	151.1
129	98.6	81.0	121.4
131	90.3	76.1	114.1





#65

Chlorobenzene

Concen: 71.837 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC075

Tot Ion:112 Resp: 227699

Ion Ratio Lower Upper

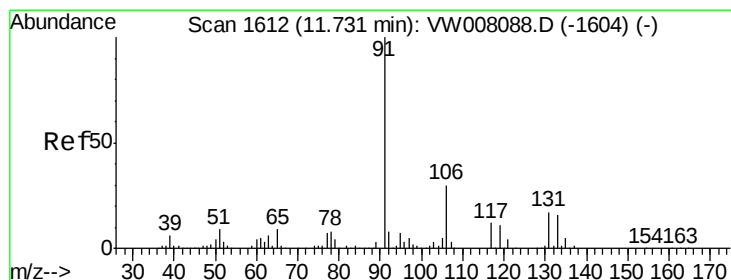
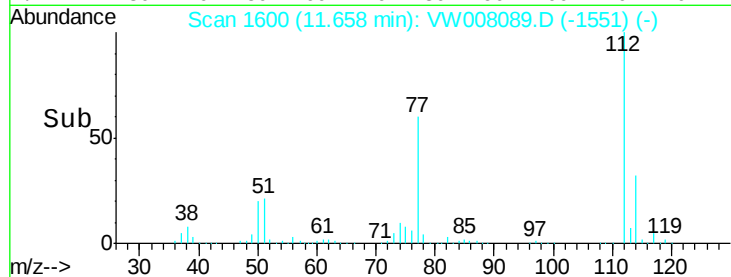
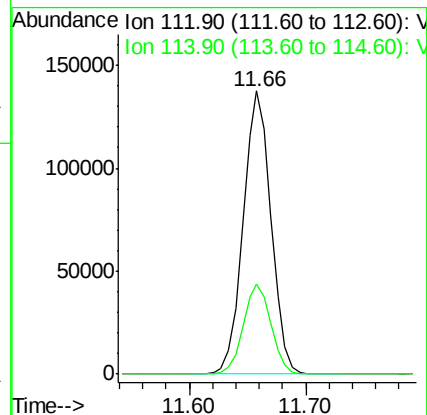
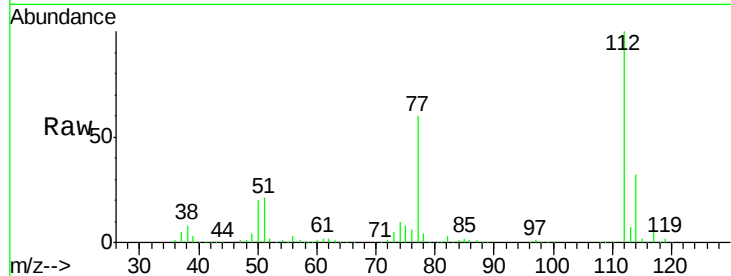
112 100

114 31.9 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 66.561 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

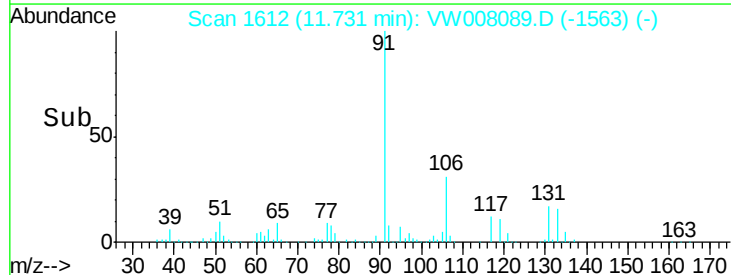
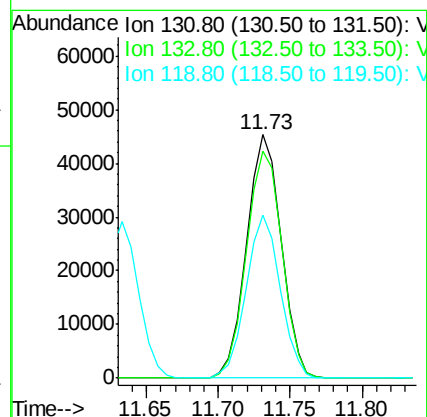
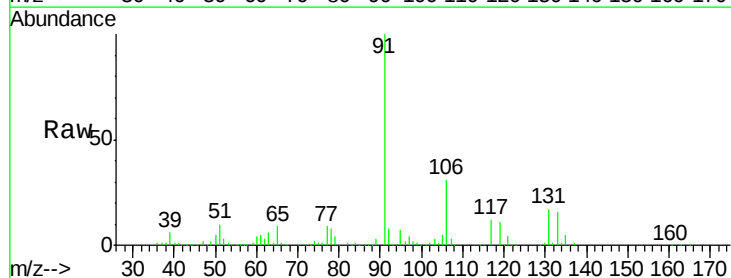
Tgt Ion:131 Resp: 75402

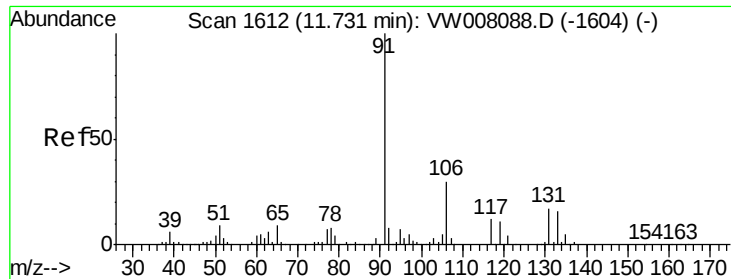
Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.7

119 66.1 32.5 97.4





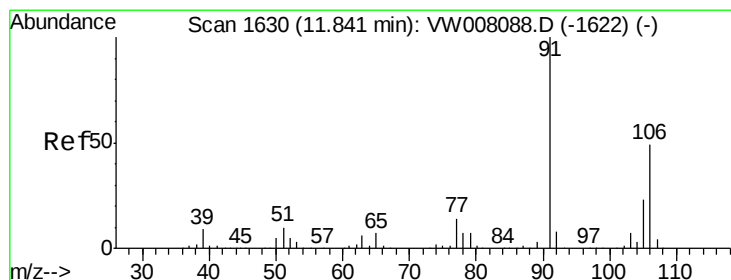
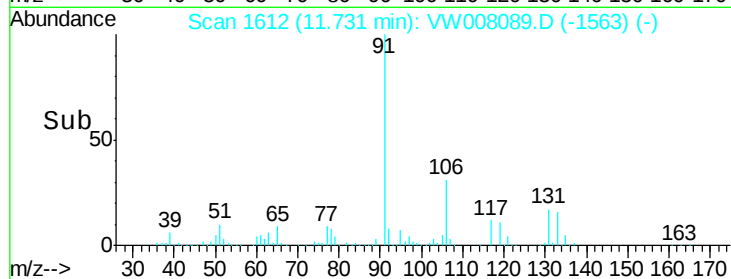
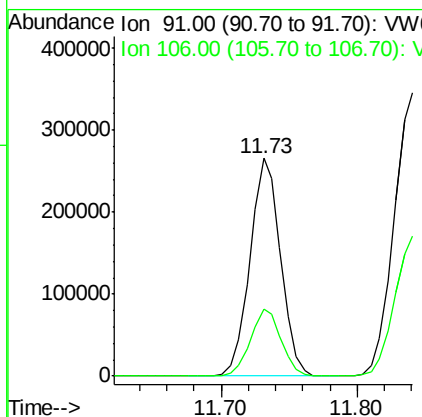
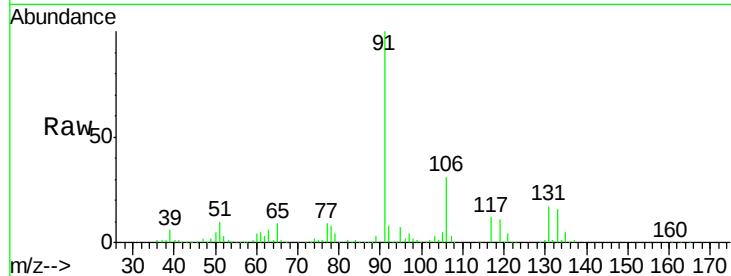
#67
Ethyl Benzene
Concen: 73.925 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 418829
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4

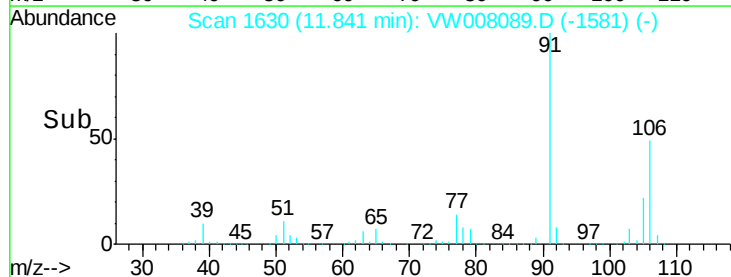
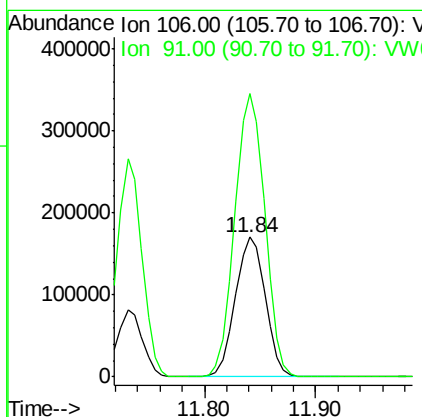
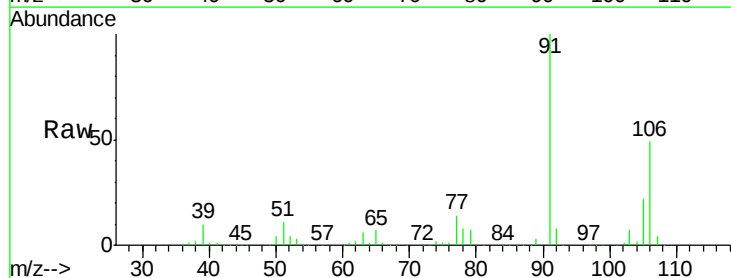
Manual Integrations
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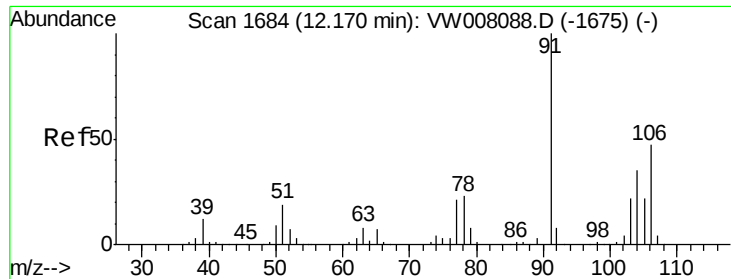
MMDadoda
1/9/2019 11:07:55 AM



#68
m/p-Xylenes
Concen: 145.617 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 106 Resp: 318135
Ion Ratio Lower Upper
106 100
91 202.9 162.4 243.6





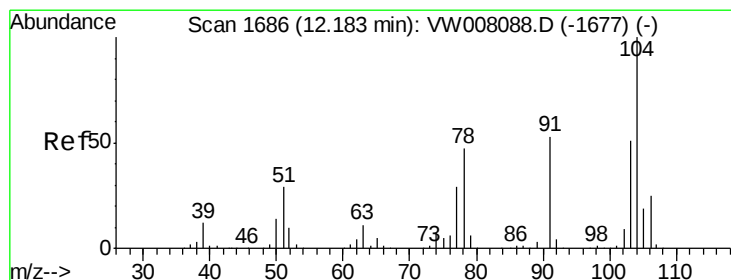
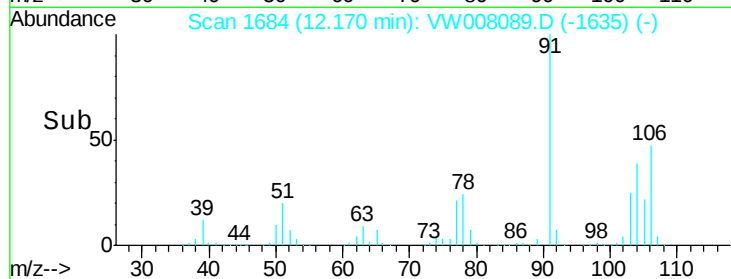
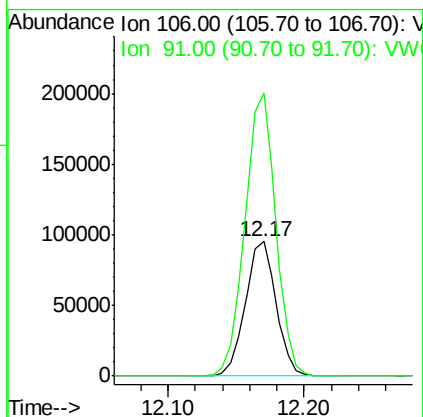
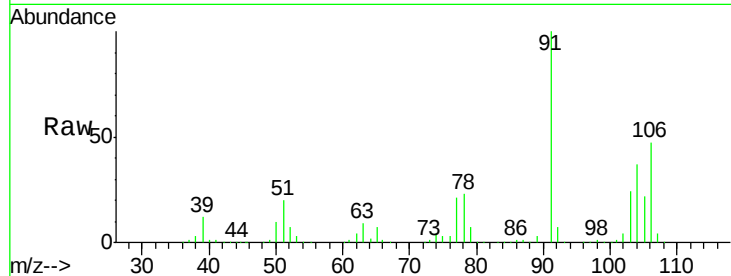
#69
o-Xylene
Concen: 74.338 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion:106 Resp: 151053
Ion Ratio Lower Upper
106 100
91 210.5 107.8 323.6

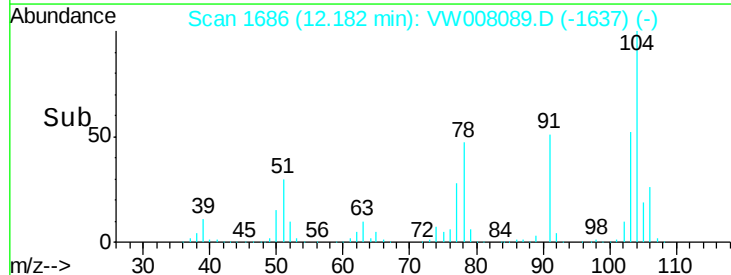
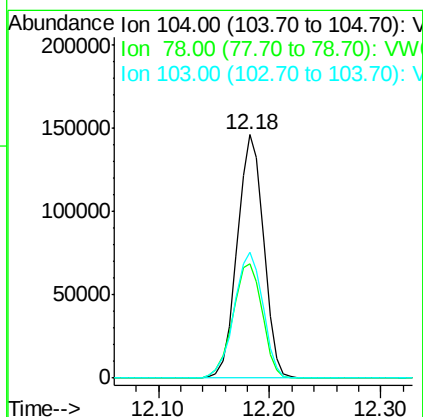
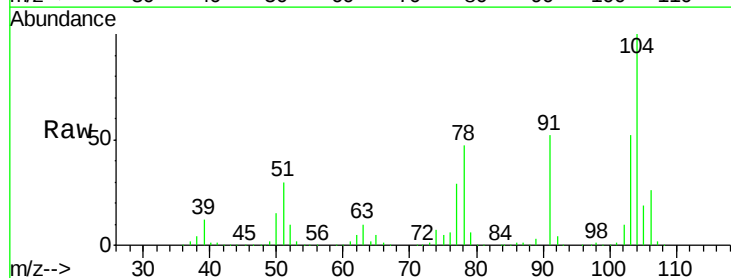
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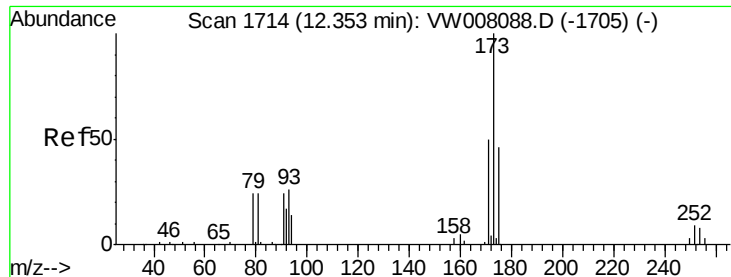
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#70
Styrene
Concen: 72.242 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion:104 Resp: 238658
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 56.2 43.8 65.8





#71

Bromoform

Concen: 66.579 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

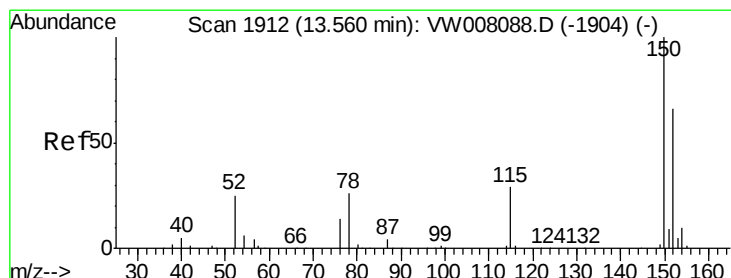
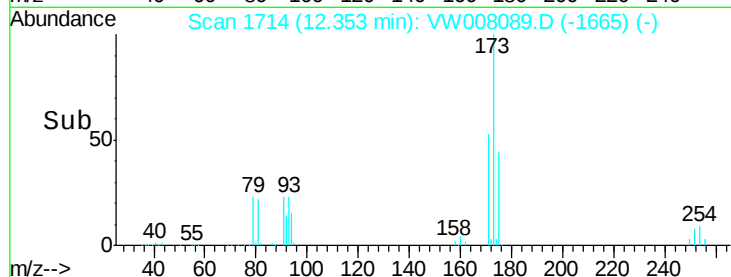
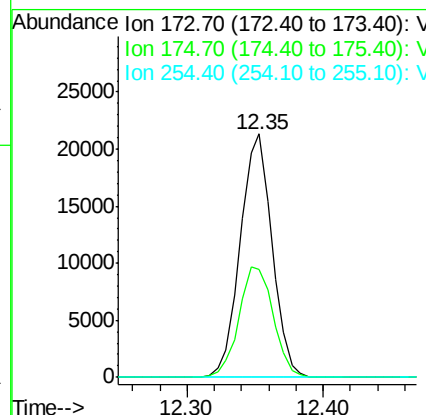
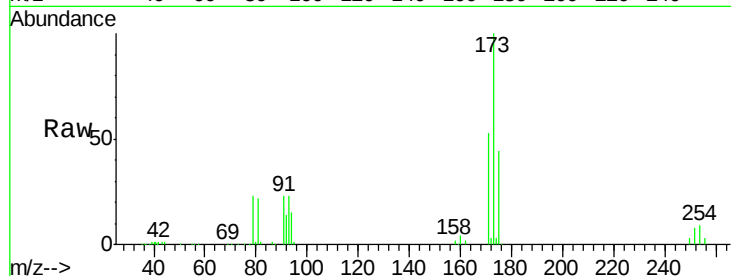
ClientSampled :

VSTDIC075

Tot Ion:	173	Resp:	34799
Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.3	69.8
254	0.1	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

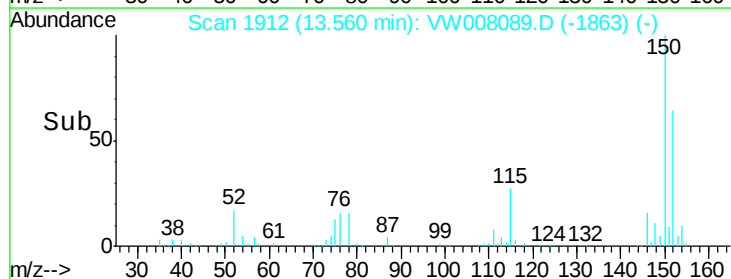
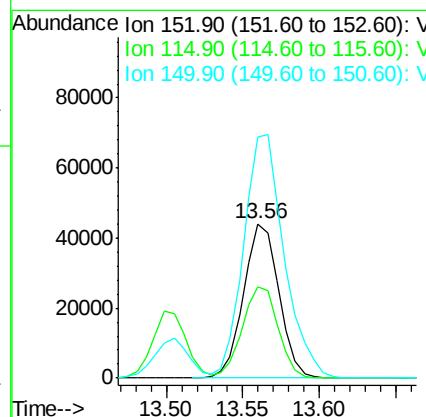
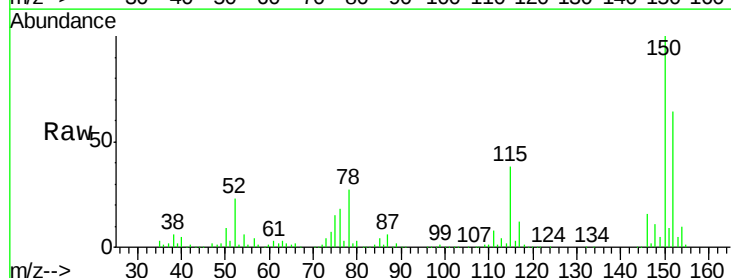
RT: 13.56 min Scan# 1912

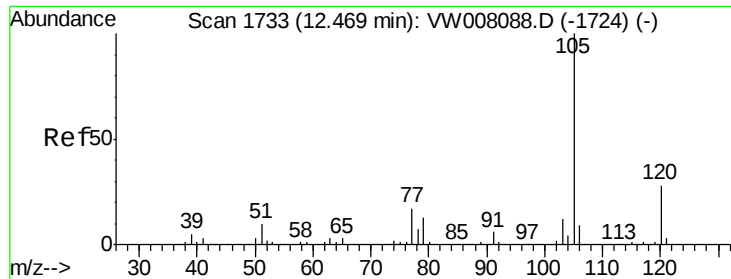
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion:	152	Resp:	70551
Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.8	92.4
150	180.6	0.0	350.2





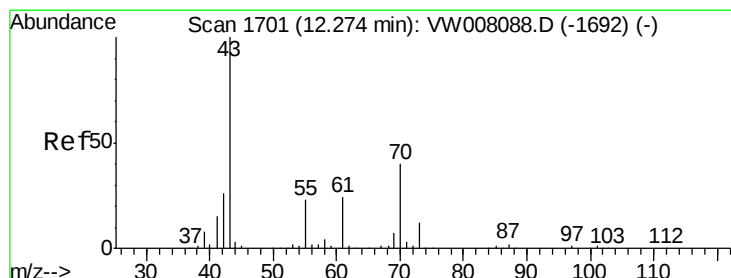
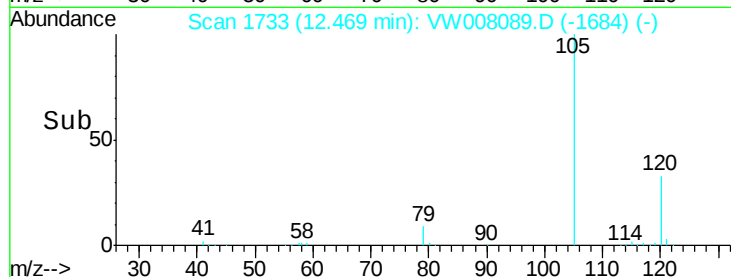
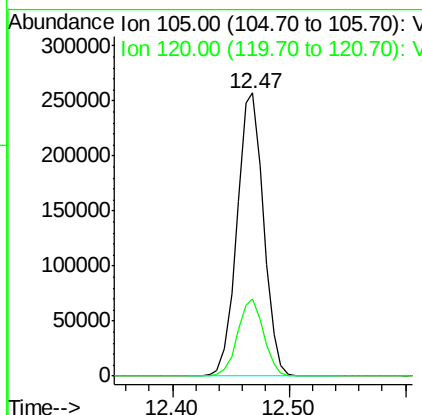
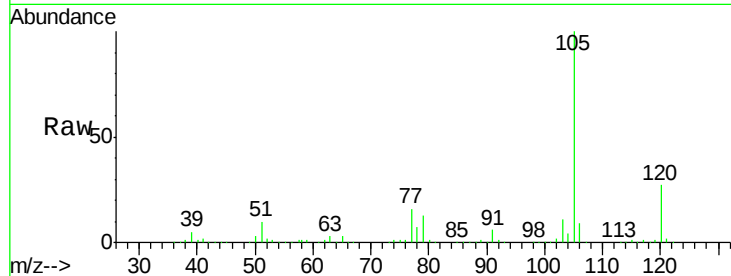
#73
Isopropylbenzene
Concen: 73.795 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

Tot Ion:105 Resp: 407539
Ion Ratio Lower Upper
105 100
120 26.7 13.6 40.8

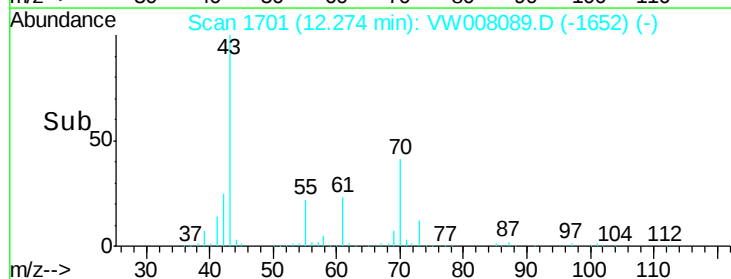
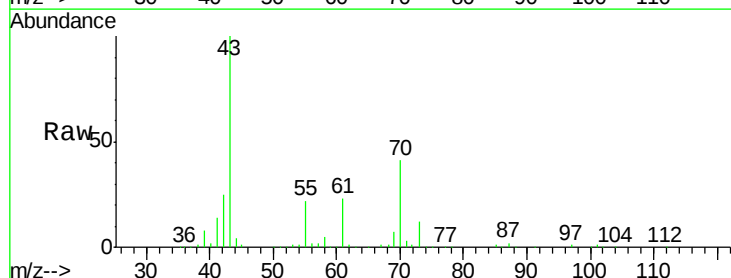
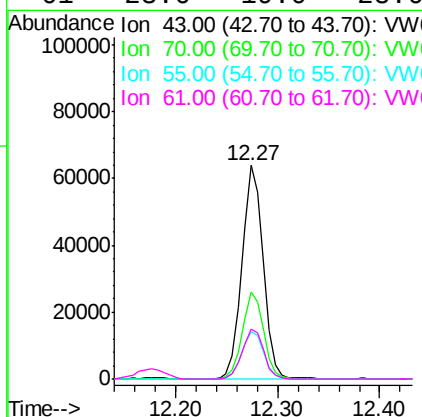
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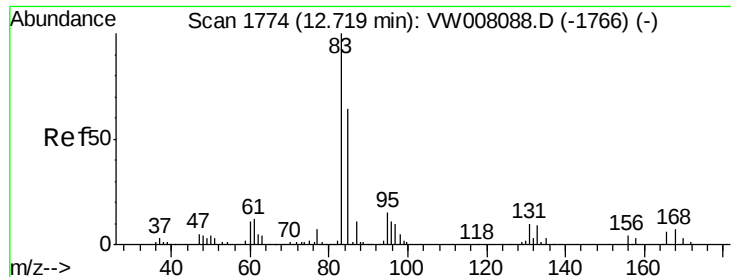
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#74
N-ethyl acetate
Concen: 100.077 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion: 43 Resp: 91944
Ion Ratio Lower Upper
43 100
70 40.7 32.4 48.6
55 23.3 18.7 28.1
61 23.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 87.162 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

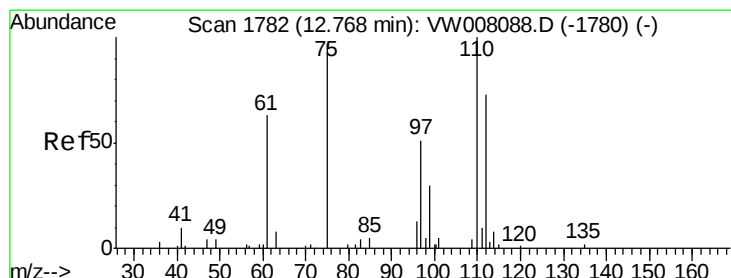
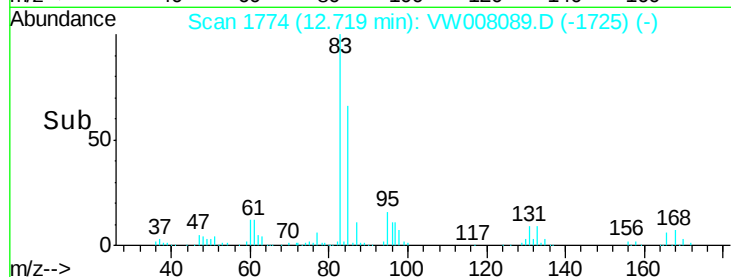
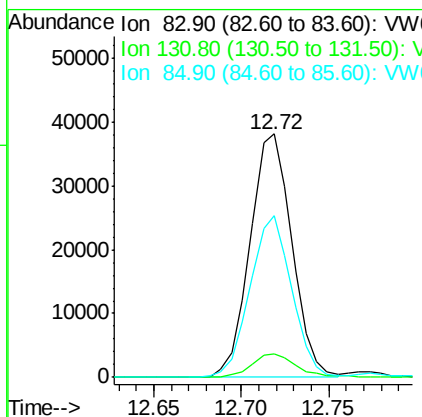
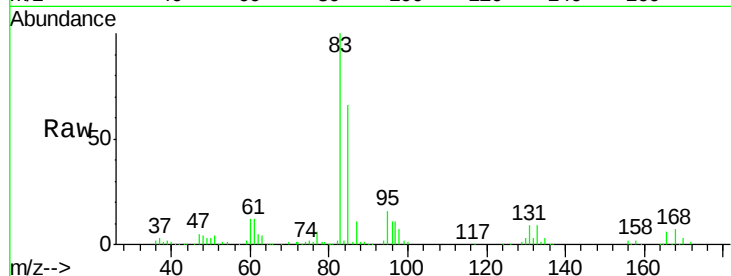
ClientSampled :

VSTDIC075

Tot Ion:	83	Resp:	63500
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	16.1
85	65.9	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 67.092 ug/l m

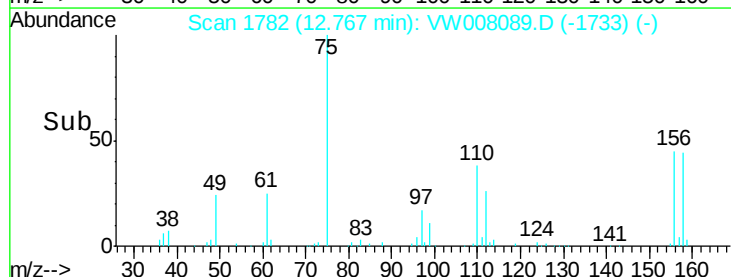
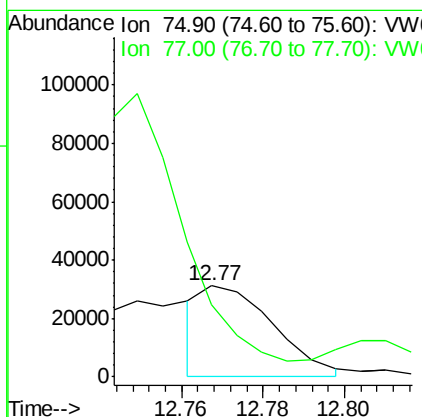
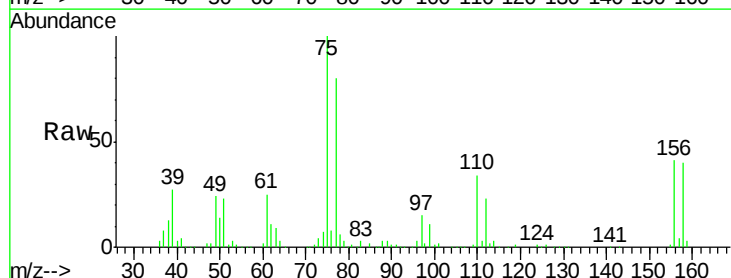
RT: 12.77 min Scan# 1782

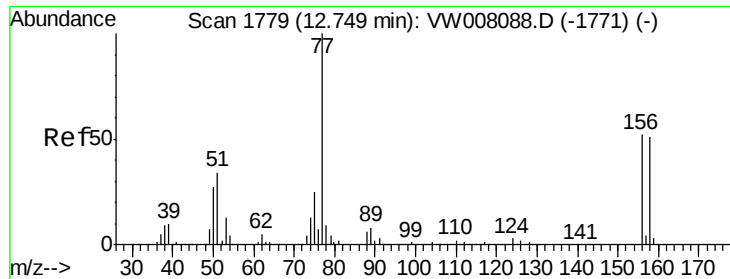
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion:	75	Resp:	38032
Ion	Ratio	Lower	Upper
75	100		
77	446.0	179.4	538.2





#77

Bromobenzene

Concen: 73.644 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

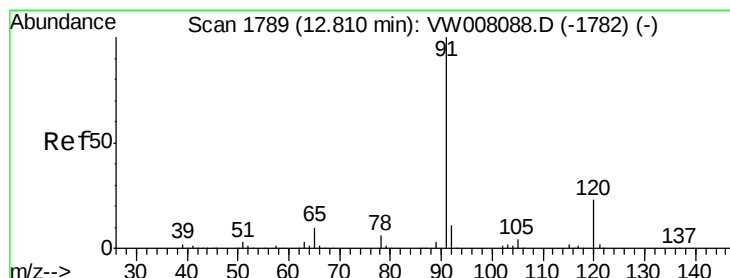
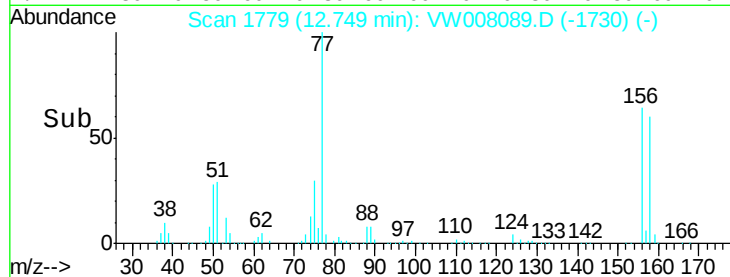
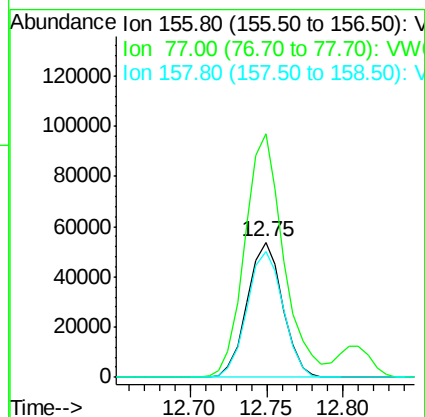
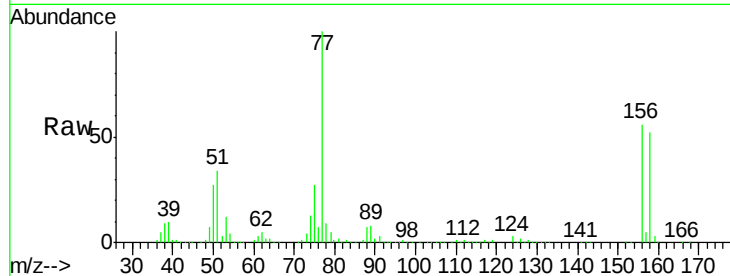
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.7	104.2	312.5
158	94.9	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 76.313 ug/l

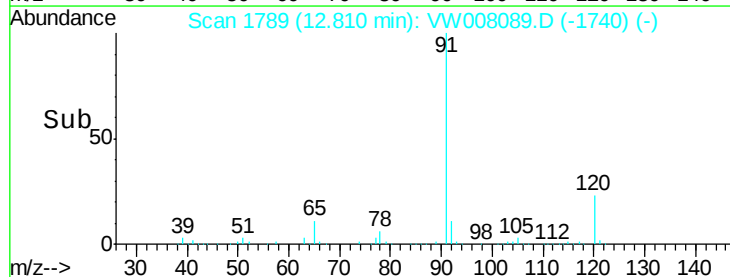
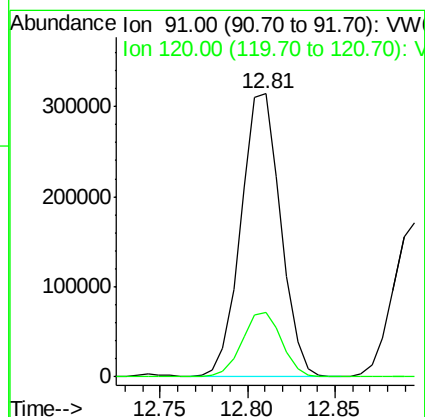
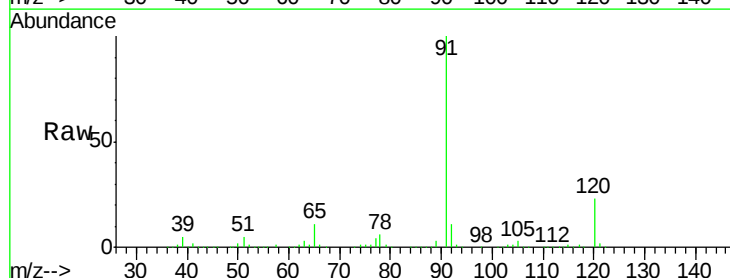
RT: 12.81 min Scan# 1789

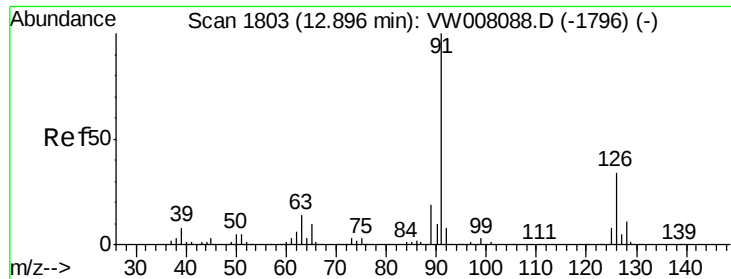
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.3	33.8





#79

2-Chlorotoluene

Concen: 73.745 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 274064

Ion Ratio Lower Upper

91 100

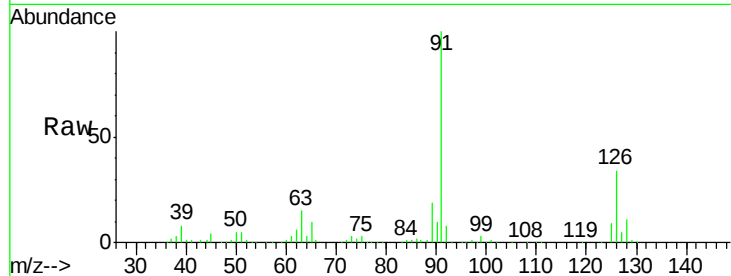
126 33.5 16.8 50.3

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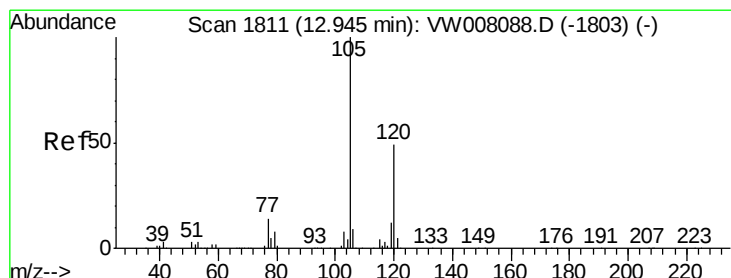
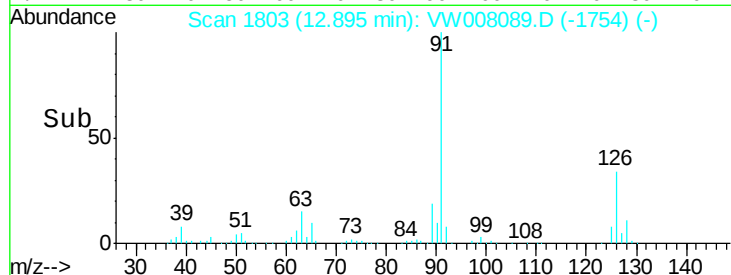
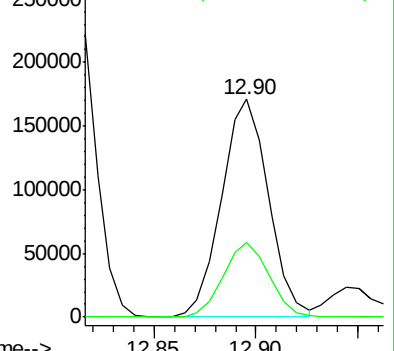
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 70.792 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008089.D

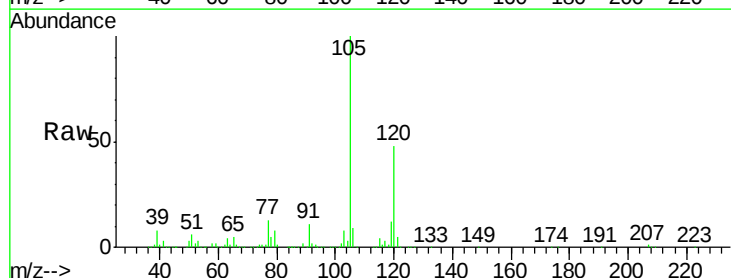
Acq: 08 Jan 2019 17:04

Tgt Ion:105 Resp: 334122

Ion Ratio Lower Upper

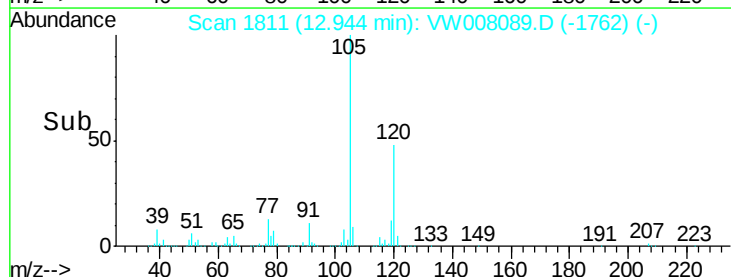
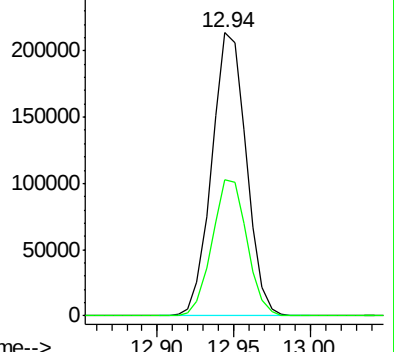
105 100

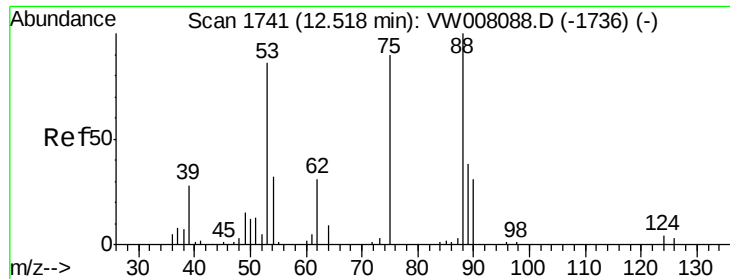
120 48.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 84.750 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 20449

Ion Ratio Lower Upper

75 100

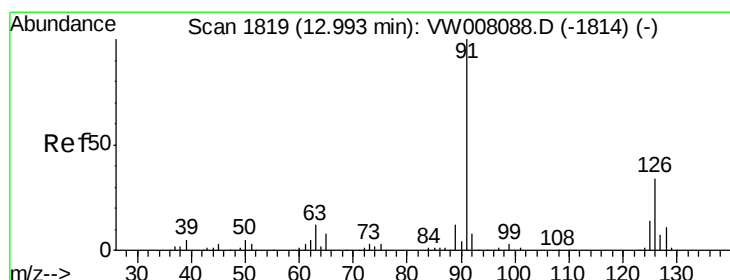
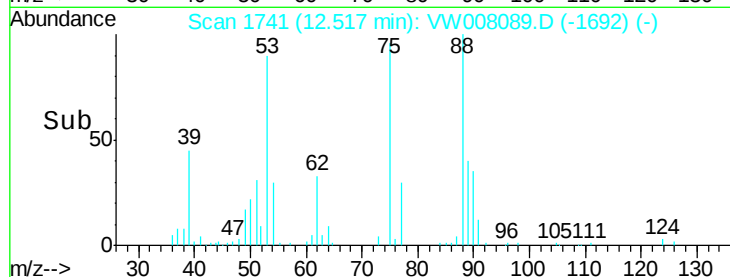
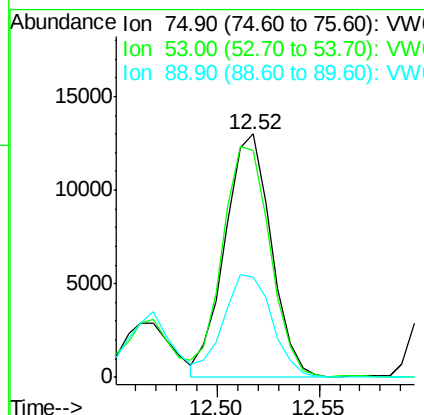
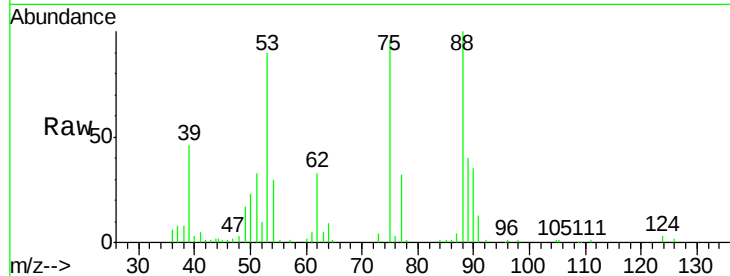
53 97.6 78.8 118.2

89 44.4 35.4 53.2

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#82

4-Chlorotoluene

Concen: 72.383 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008089.D

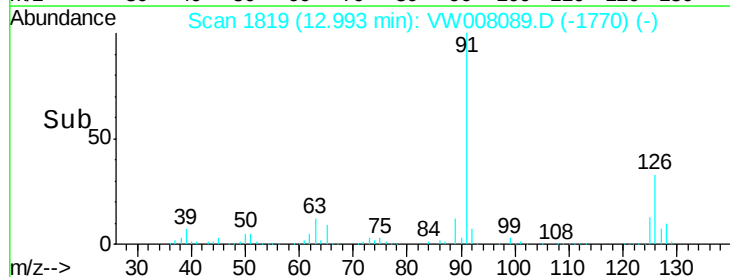
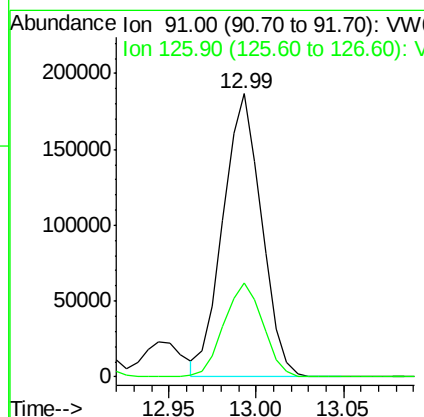
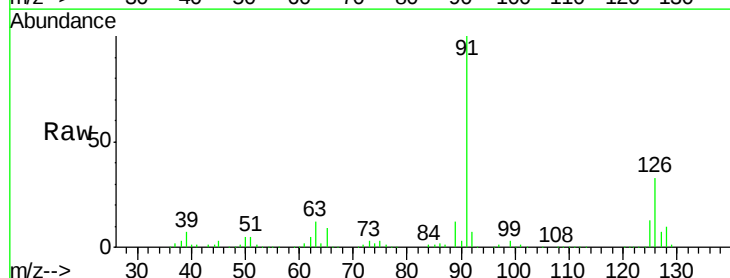
Acq: 08 Jan 2019 17:04

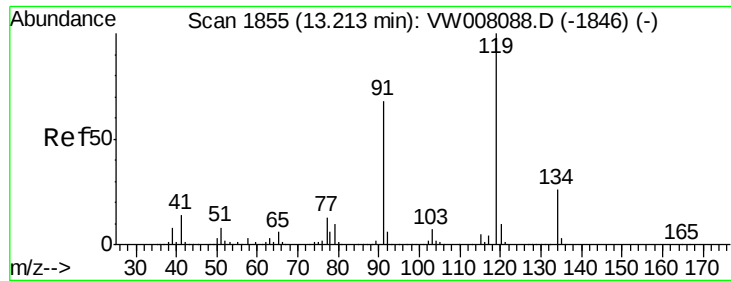
Tgt Ion: 91 Resp: 285826

Ion Ratio Lower Upper

91 100

126 33.7 16.5 49.5





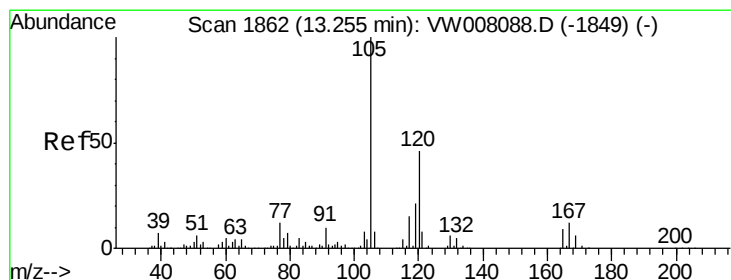
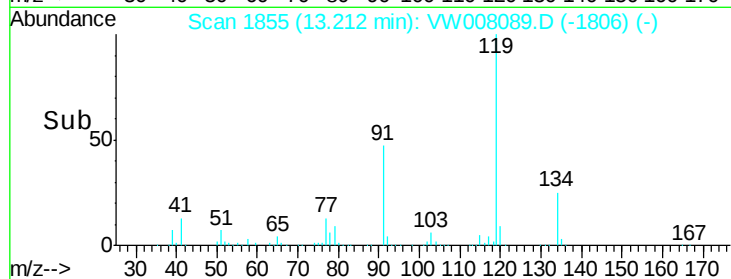
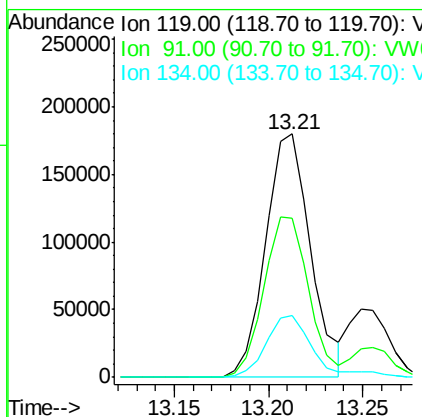
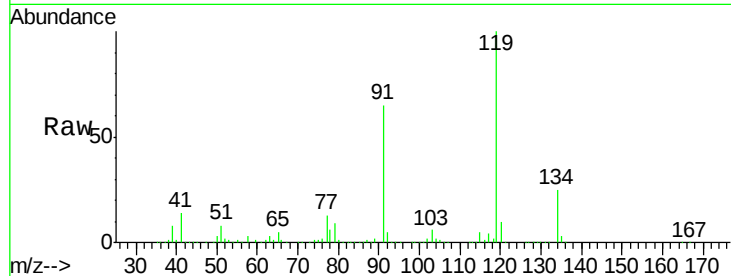
#83
tert-Butylbenzene
Concen: 71.885 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.9	101.6
134	26.8	13.6	40.8

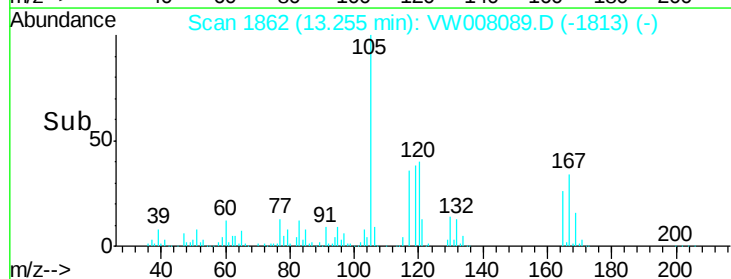
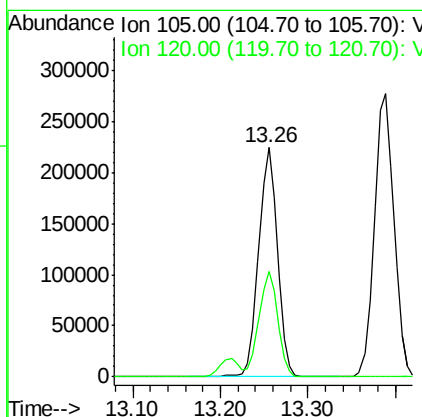
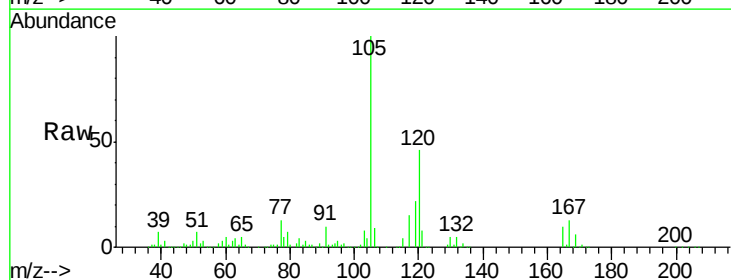
Manual Integrations
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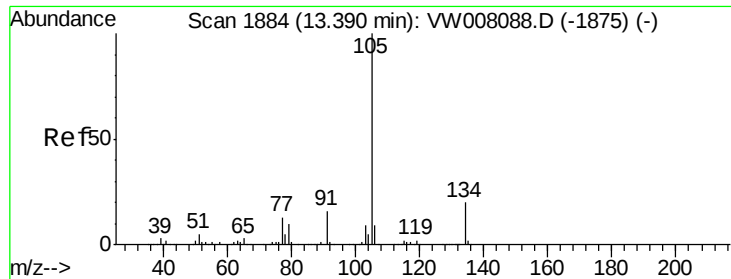
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#84
1,2,4-Trimethylbenzene
Concen: 70.071 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.7	68.1





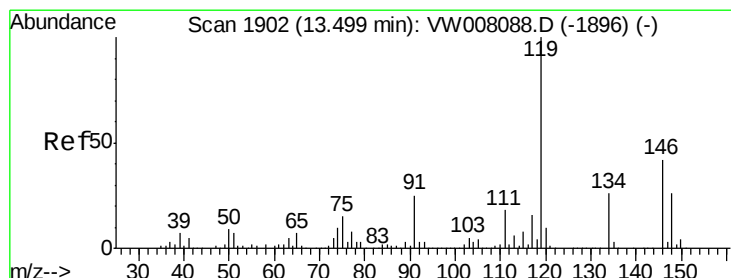
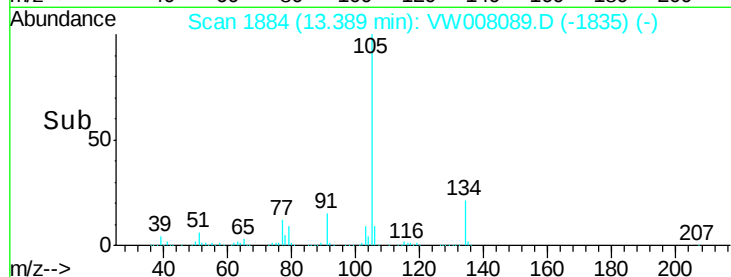
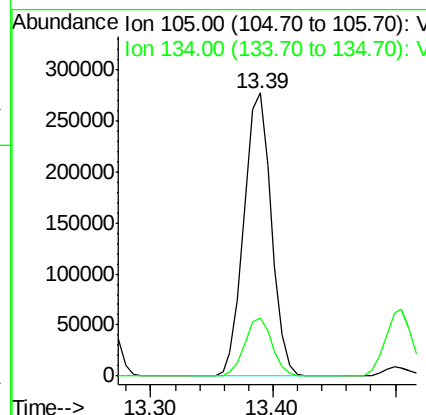
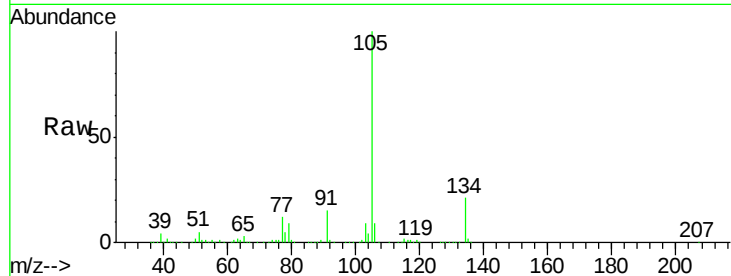
#85
 sec-Butylbenzene
 Concen: 74.590 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.1	30.1

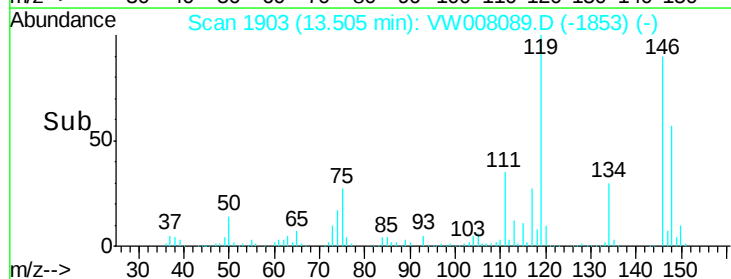
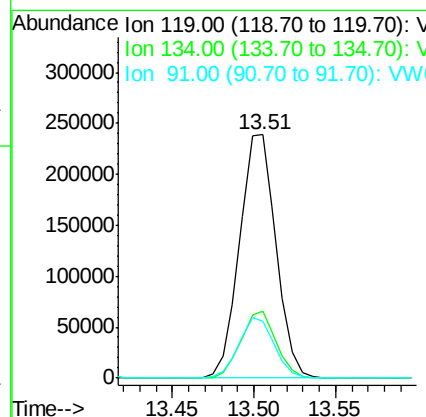
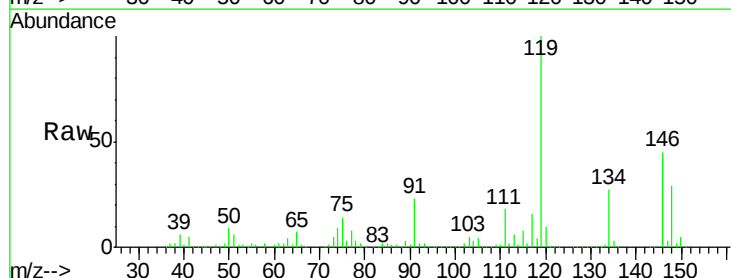
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 71.857 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.8
91	24.0	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 72.225 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

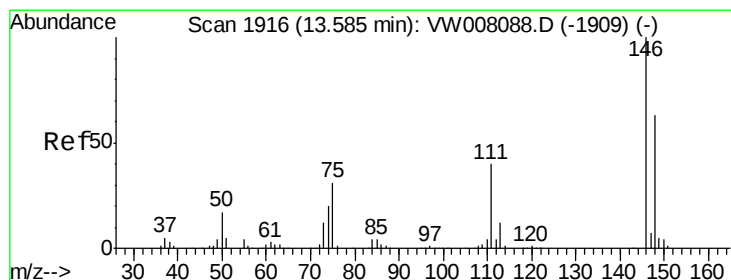
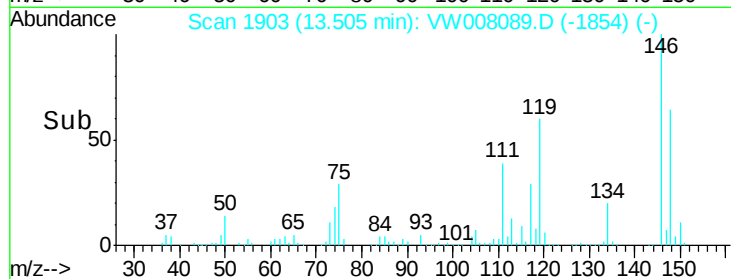
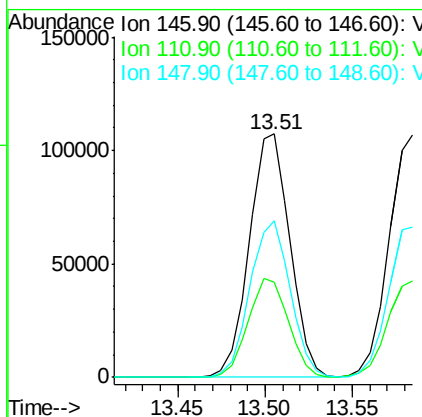
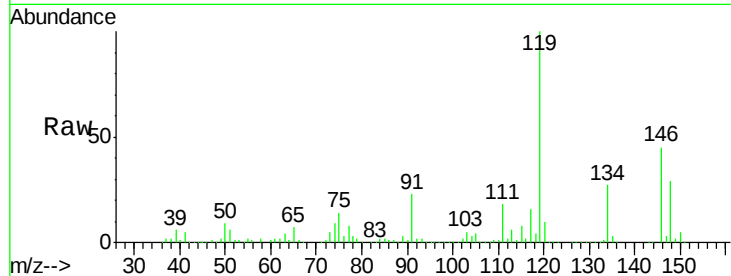
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.1
148	63.9	31.3	93.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 71.800 ug/l

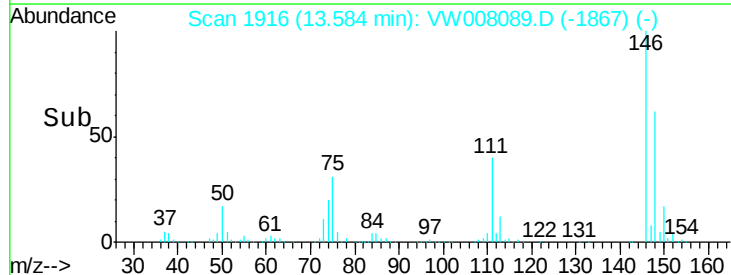
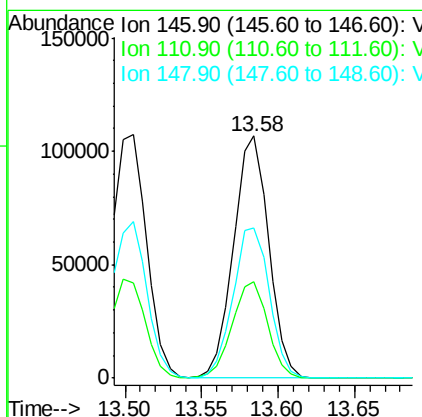
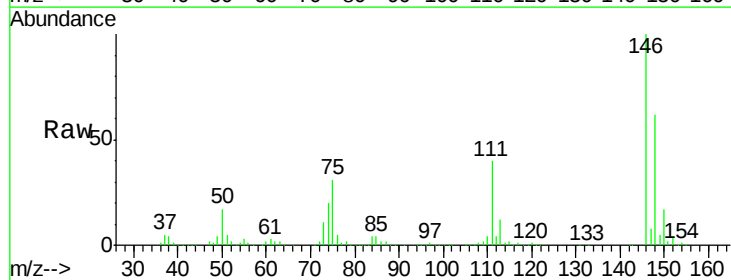
RT: 13.58 min Scan# 1916

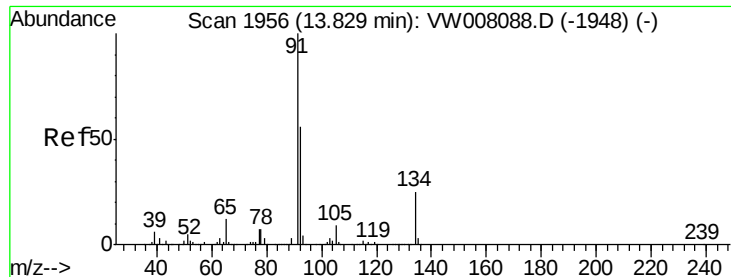
Delta R.T. -0.00 min

Lab File: VW008089.D

Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	64.2	31.6	94.8





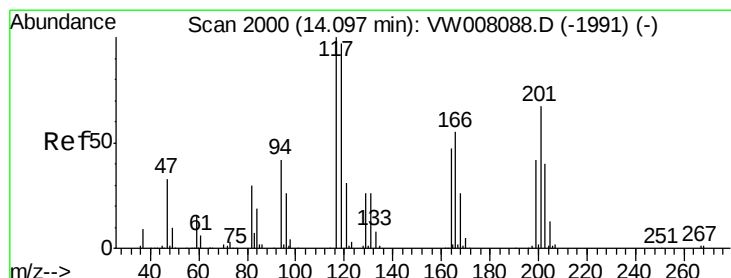
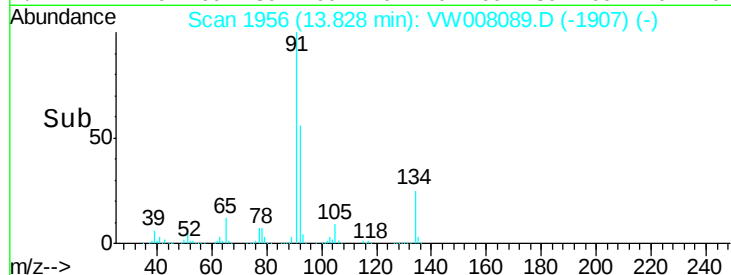
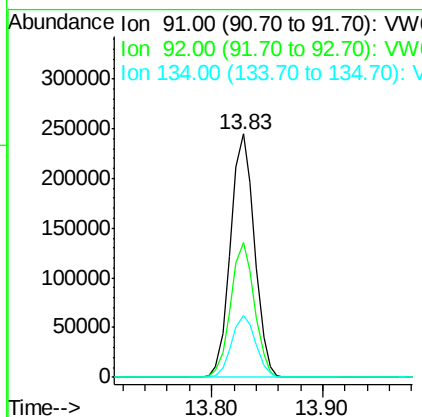
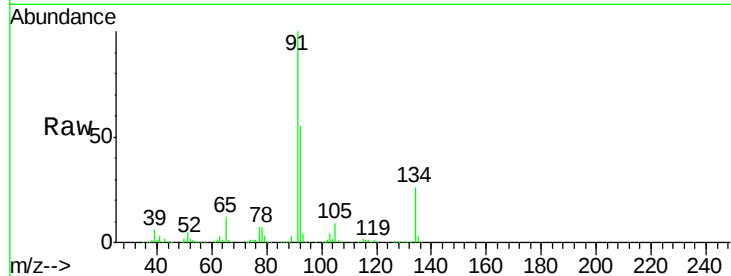
#89
n-Butylbenzene
Concen: 76.297 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.4	82.2
134	25.6	12.6	37.8

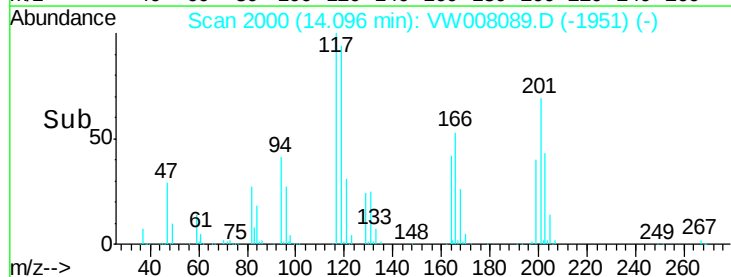
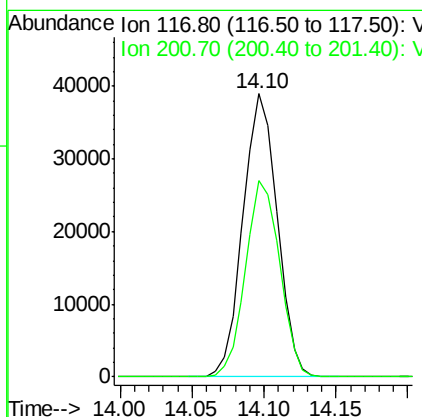
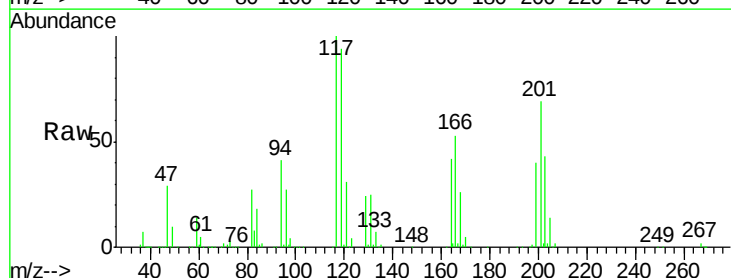
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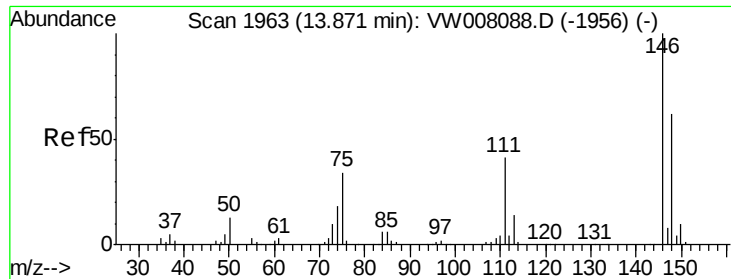
MMDadoda
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#90
Hexachloroethane
Concen: 71.836 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	33.0	98.9





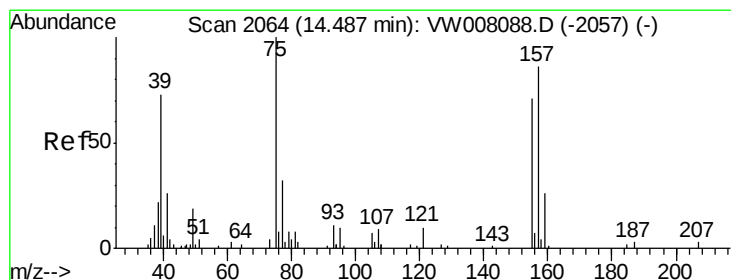
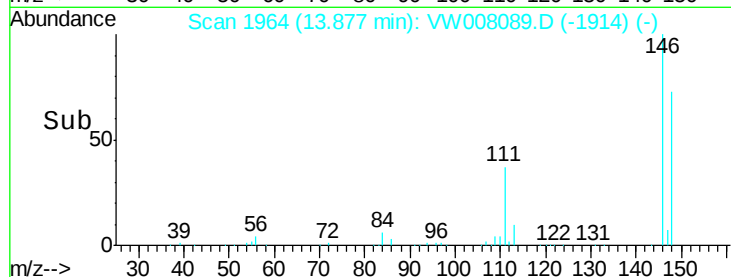
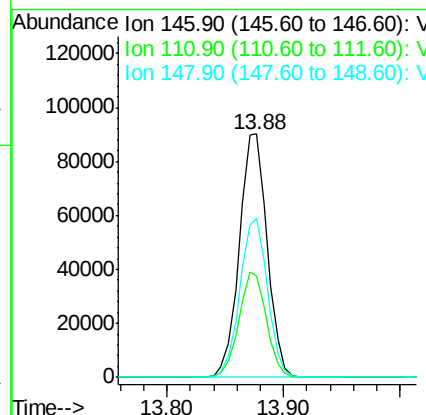
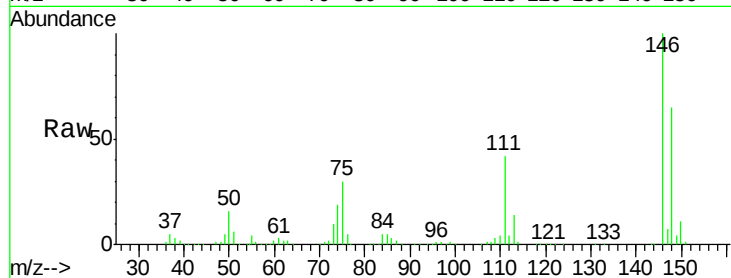
#91
 1,2-Dichlorobenzene
 Concen: 71.297 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.7
148	64.9	31.5	94.5

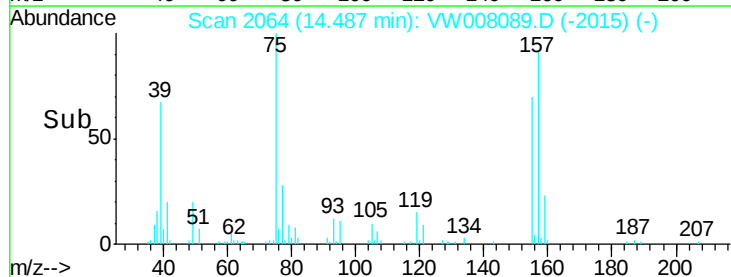
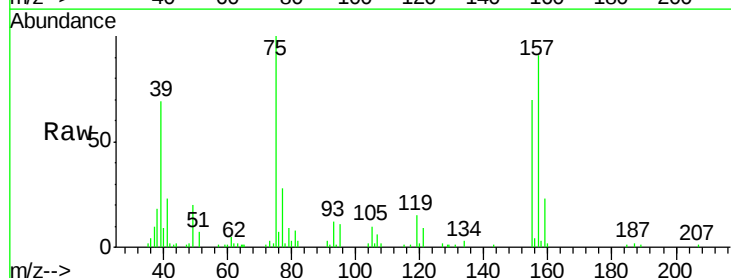
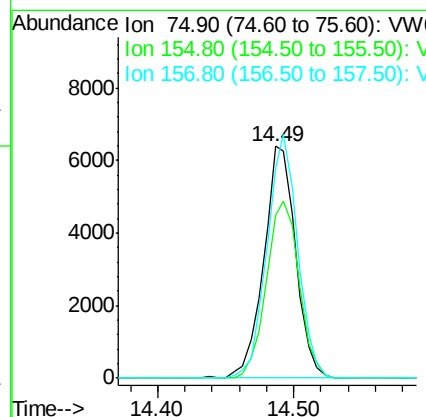
Manual Integrations
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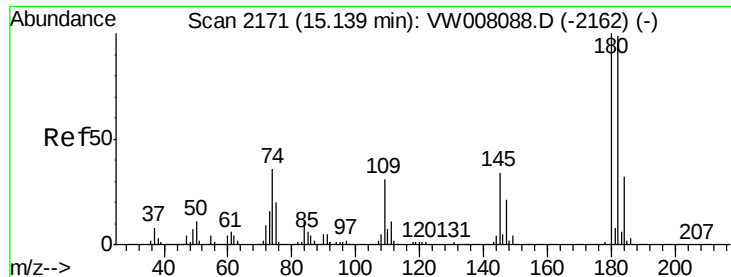
MMDadoda
 1/9/2019 11:07:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.384 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008089.D
 Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	38.6	115.7
157	100.8	47.5	142.6





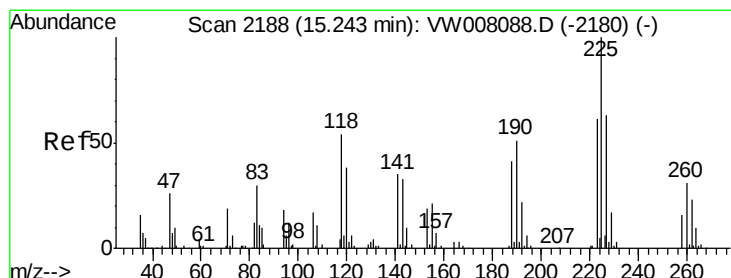
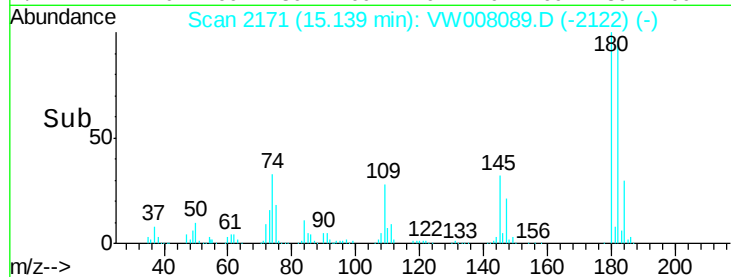
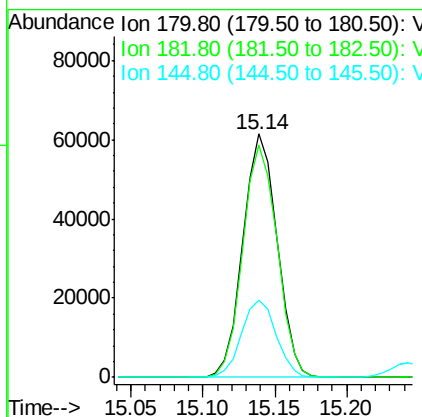
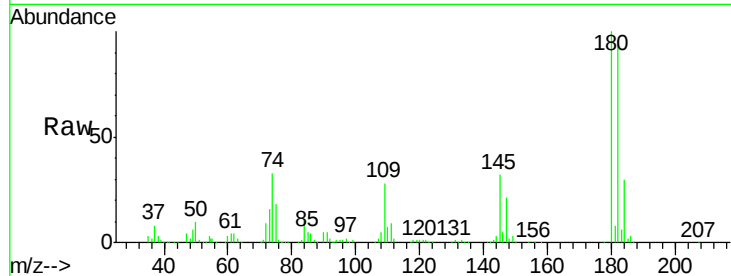
#93
1,2,4-Trichlorobenzene
Concen: 69.424 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100940		
182	95.6	48.6	145.9	
145	32.4	16.6	49.7	

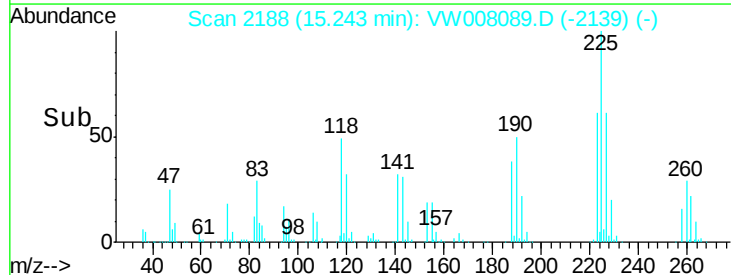
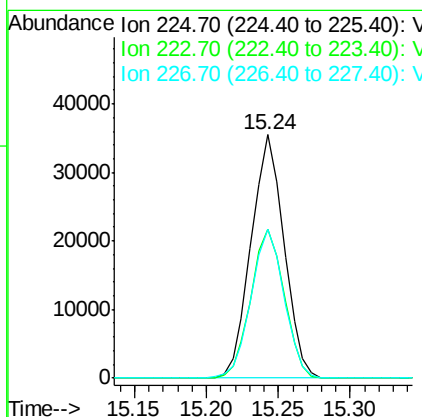
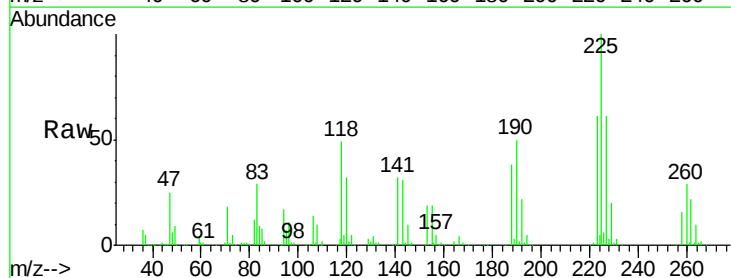
Manual Integrations
APPROVED

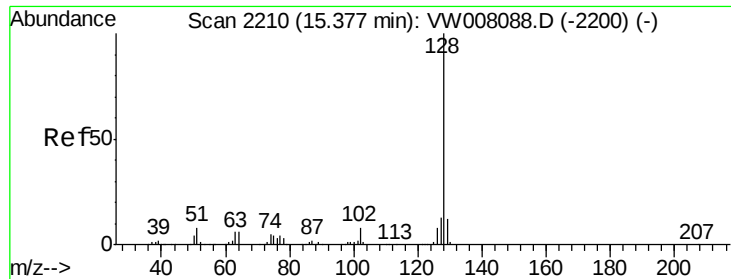
MMDadoda
1/9/2019 11:07:55 AM



#94
Hexachlorobutadiene
Concen: 67.346 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56125		
223	61.7	31.4	94.3	
227	61.1	32.0	96.2	





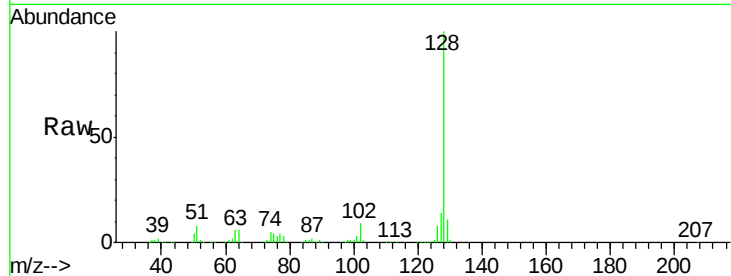
#95
Naphthalene
Concen: 75.720 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC075

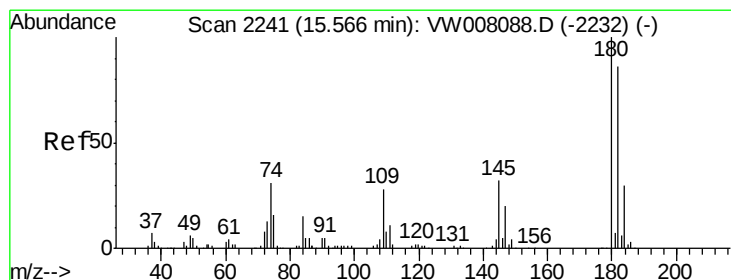
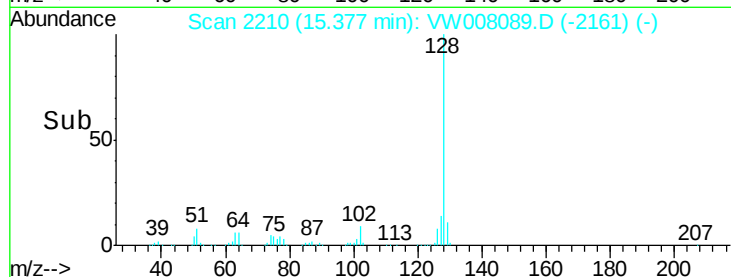
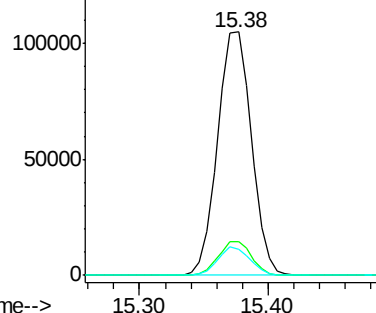
Tot Ion	Ratio	Resp	Lower	Upper
128	100	190827		
127	13.7		11.0	16.4
129	11.0		9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/9/2019 11:07:55 AM

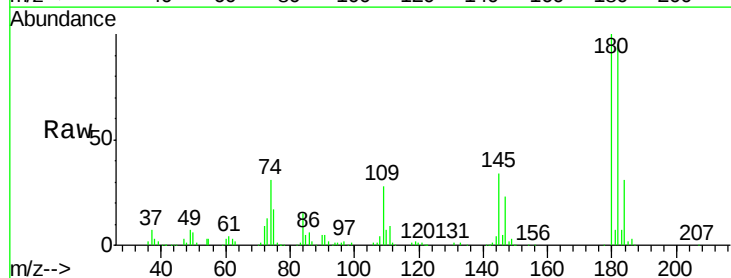


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 71.475 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008089.D
Acq: 08 Jan 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	86464		
182	94.8		46.5	139.3
145	34.0		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

