

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008090.D
 Acq On : 08 Jan 2019 17:30
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:08:05 AM

Quant Time: Jan 09 04:00:49 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	102533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	169628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	152404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71614	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105549	92.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.74%	
35) Dibromofluoromethane	7.88	113	99899	94.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.98%	
50) Toluene-d8	10.32	98	411856	102.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.10%	
62) 4-Bromofluorobenzene	12.62	95	142410	93.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	84646	93.480	ug/l	99
3) Chloromethane	2.22	50	99400	132.430	ug/l	94
4) Vinyl Chloride	2.37	62	125652	128.702	ug/l	95
5) Bromomethane	2.79	94	100187	157.873	ug/l	99
6) Chloroethane	2.93	64	106814	196.981	ug/l	97
7) Trichlorofluoromethane	3.26	101	112297	119.423	ug/l	95
8) Diethyl Ether	3.68	74	60991	123.703	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	110961	103.234	ug/l	96
10) Methyl Iodide	4.26	142	171087	100.079	ug/l	98
11) Tert butyl alcohol	5.23	59	33390	445.755	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	109506	105.309	ug/l	96
13) Acrolein	3.90	56	40820	737.023	ug/l	99
14) Allyl chloride	4.66	41	199930	133.872	ug/l	99
15) Acrylonitrile	5.37	53	119765	660.907	ug/l	99
16) Acetone	4.14	43	98560	542.019	ug/l	92
17) Carbon Disulfide	4.37	76	347342	109.148	ug/l	98
18) Methyl Acetate	4.67	43	73340	147.233	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	171162	104.466	ug/l	95
20) Methylene Chloride	4.91	84	111378	91.282	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	115993	102.612	ug/l	95
22) Diisopropyl ether	6.31	45	370637	137.140	ug/l	99
23) Vinyl Acetate	6.26	43	1007995	675.243	ug/l	99
24) 1,1-Dichloroethane	6.21	63	211818	111.014	ug/l	99
25) 2-Butanone	7.18	43	146546	659.818	ug/l	98
26) 2,2-Dichloropropane	7.17	77	137664	90.507	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	126599	104.863	ug/l	97
28) Bromochloromethane	7.51	49	80062	123.453	ug/l	95
29) Tetrahydrofuran	7.54	42	101335	717.541	ug/l	99
30) Chloroform	7.68	83	204068	97.832	ug/l	97
31) Cyclohexane	7.96	56	212918	116.213	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	178596	91.111	ug/l	99
36) 1,1-Dichloropropene	8.09	75	174523	105.086	ug/l	98
37) Ethyl Acetate	7.25	43	70321	132.784	ug/l	98
38) Carbon Tetrachloride	8.07	117	166010	86.828	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	227968	109.533	ug/l	94
40) Benzene	8.32	78	482967	109.389	ug/l	99
41) Methacrylonitrile	7.49	41	43223	142.302	ug/l	94
42) 1,2-Dichloroethane	8.40	62	130887	91.526	ug/l	99
43) Isopropyl Acetate	8.43	43	144228	137.800	ug/l	99
44) Trichloroethene	9.09	130	126861	99.939	ug/l	97
45) 1,2-Dichloropropane	9.37	63	118567	121.069	ug/l	97
46) Dibromomethane	9.46	93	58234	105.238	ug/l	96
47) Bromodichloromethane	9.64	83	151115	98.354	ug/l	99
48) Methyl methacrylate	9.44	41	70898	134.106	ug/l	96
49) 1,4-Dioxane	9.48	88	18956	2287.652	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	338843	689.824	ug/l	100
52) Toluene	10.39	92	303245	104.192	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	162121	108.343	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	186983	110.939	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	83078	110.567	ug/l	98
56) Ethyl methacrylate	10.65	69	109906	126.107	ug/l	98
57) 1,3-Dichloropropane	10.93	76	150126	115.084	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	264727	622.054	ug/l	98
59) 2-Hexanone	10.97	43	232446	687.660	ug/l	99
60) Dibromochloromethane	11.13	129	99504	99.015	ug/l	99
61) 1,2-Dibromoethane	11.24	107	81515	108.353	ug/l	99
64) Tetrachloroethene	10.86	164	102865	101.223	ug/l	98
65) Chlorobenzene	11.66	112	326121	102.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	109927	96.217	ug/l	99
67) Ethyl Benzene	11.73	91	592129	103.629	ug/l	99
68) m/p-Xylenes	11.84	106	446280	202.543	ug/l	100
69) o-Xylene	12.17	106	212528	103.707	ug/l	97
70) Styrene	12.18	104	340649	102.242	ug/l	99
71) Bromoform	12.35	173	54013	102.466	ug/l #	97
73) Isopropylbenzene	12.47	105	570910	101.844	ug/l	99
74) N-amyl acetate	12.27	43	131076	140.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	91677	123.971	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	68942m	119.814	ug/l	
77) Bromobenzene	12.75	156	125544	105.108	ug/l	92
78) n-propylbenzene	12.81	91	685679	104.326	ug/l	99
79) 2-Chlorotoluene	12.90	91	381248	101.064	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	467205	97.519	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	30864	126.016	ug/l	98
82) 4-Chlorotoluene	12.99	91	398327	99.376	ug/l	99
83) tert-Butylbenzene	13.21	119	414424	98.481	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	467408	95.850	ug/l	98
85) sec-Butylbenzene	13.39	105	594901	101.845	ug/l	99
86) p-Isopropyltoluene	13.51	119	515645	98.421	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	245749	101.130	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	241902	100.339	ug/l	98
89) n-Butylbenzene	13.83	91	502262	103.750	ug/l	99
90) Hexachloroethane	14.10	117	91741	101.235	ug/l	91
91) 1,2-Dichlorobenzene	13.88	146	216987	101.441	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14690	100.962	ug/l	90

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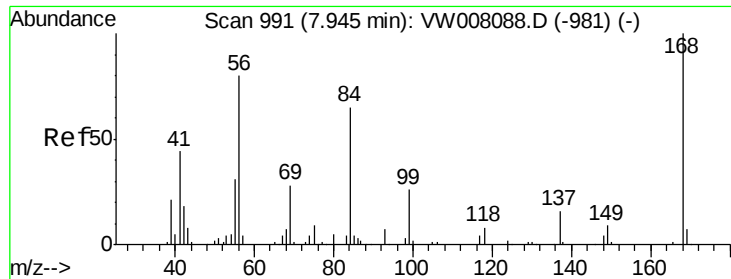
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	150704	102.112	ug/l	98
94) Hexachlorobutadiene	15.24	225	83867	99.140	ug/l	99
95) Naphthalene	15.38	128	283232	110.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	130445	106.231	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 102533

Ion Ratio Lower Upper

168 100

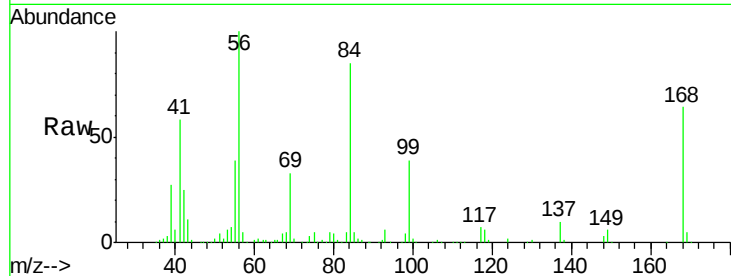
99 61.0 52.6 78.8

Manual Integrations

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1/9/2019 11:08:05 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

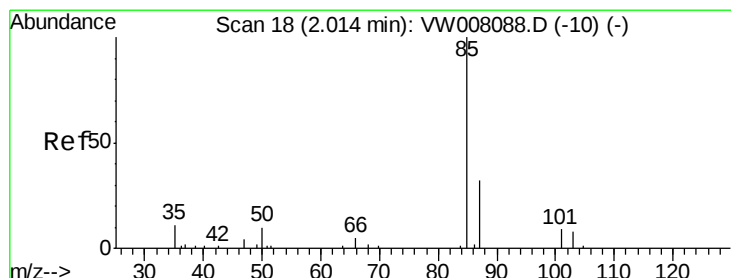
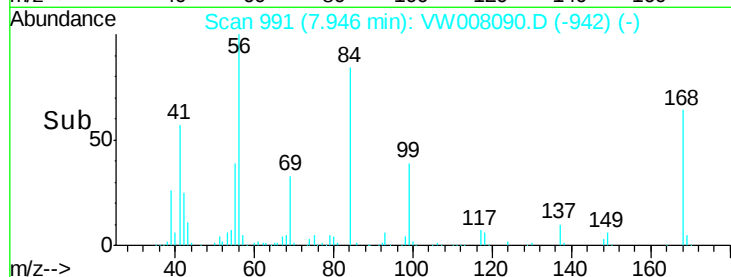
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 93.480 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008090.D

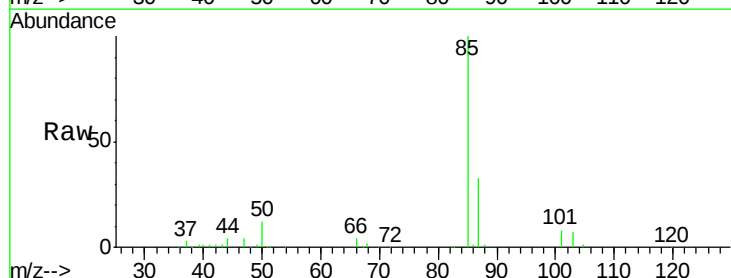
Acq: 08 Jan 2019 17:30

Tgt Ion: 85 Resp: 84646

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

15000

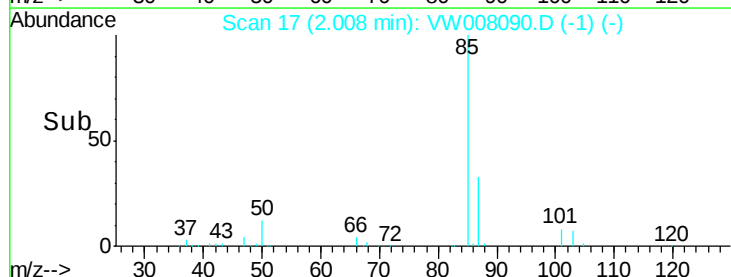
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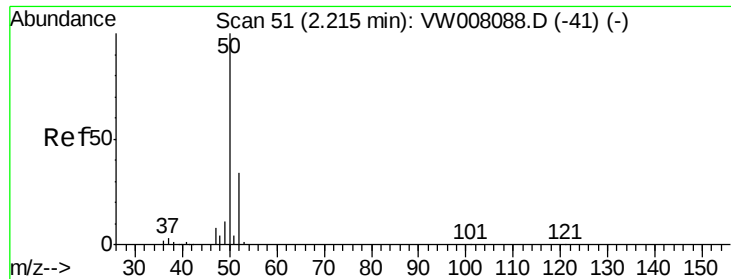
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 132.430 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 99400

Ion Ratio Lower Upper

50 100

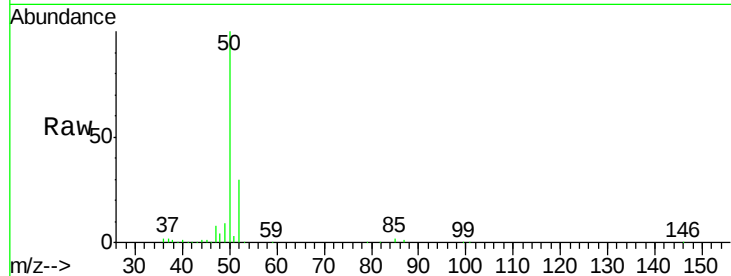
52 30.3 26.8 40.2

Manual Integrations

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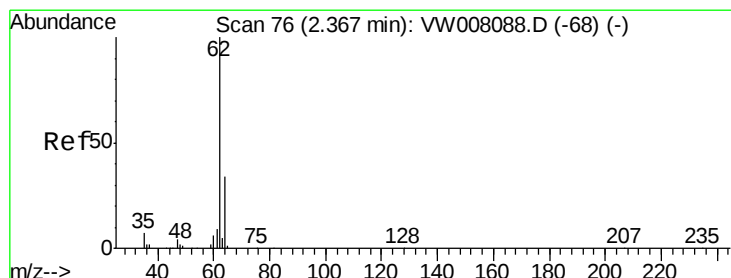
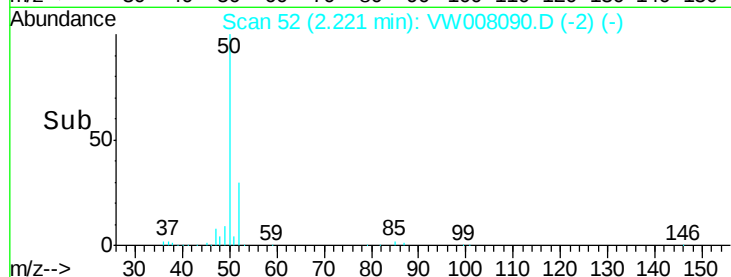
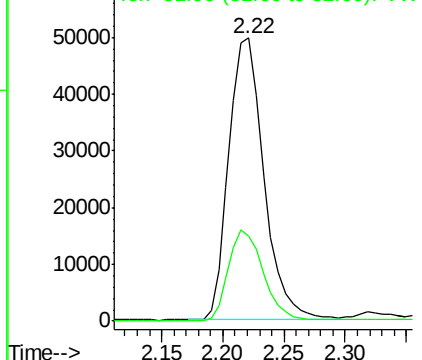
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 128.702 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008090.D

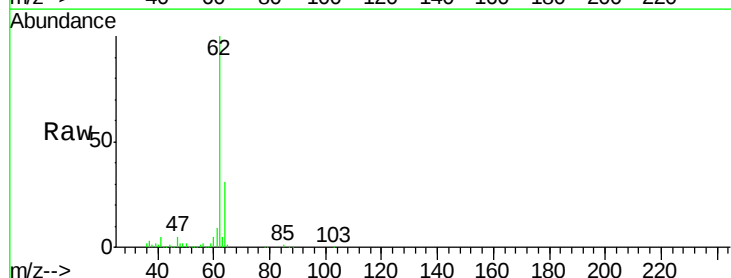
Acq: 08 Jan 2019 17:30

Tgt Ion: 62 Resp: 125652

Ion Ratio Lower Upper

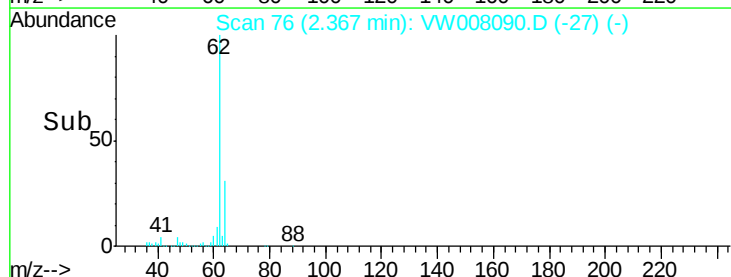
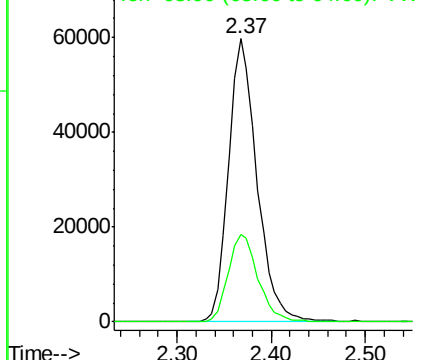
62 100

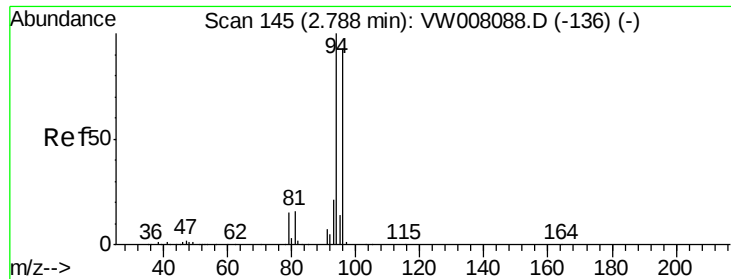
64 30.9 27.0 40.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 157.873 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 100187

Ion Ratio Lower Upper

94 100

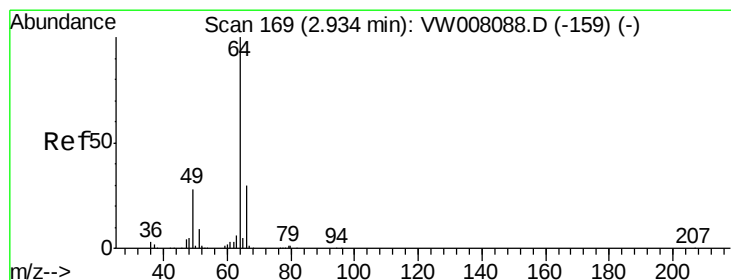
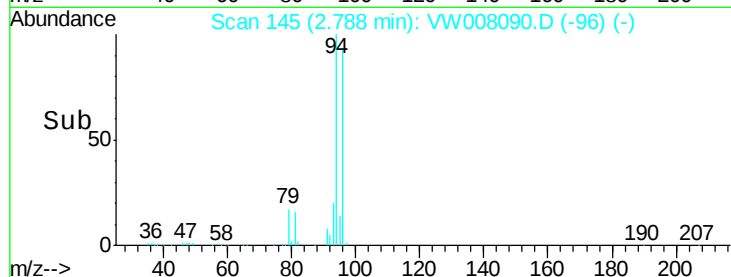
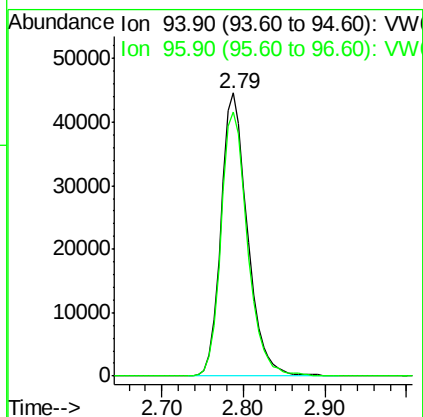
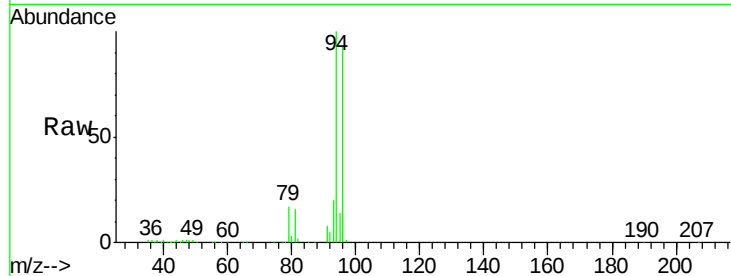
96 93.3 74.1 111.1

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 196.981 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008090.D

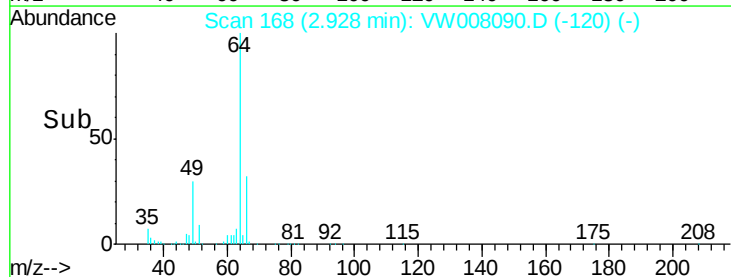
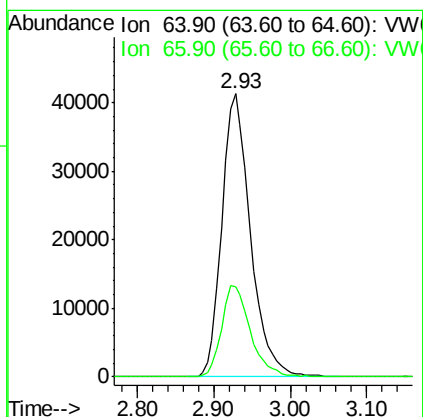
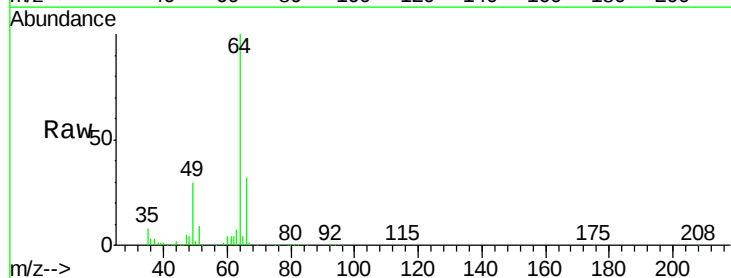
Acq: 08 Jan 2019 17:30

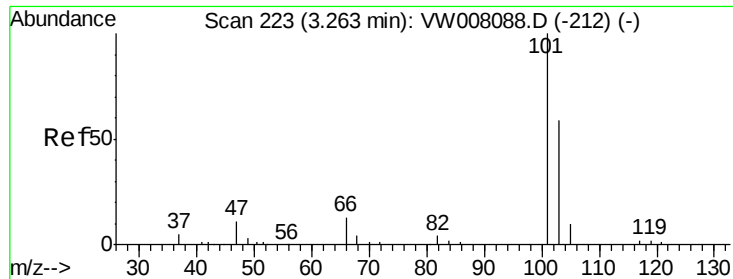
Tgt Ion: 64 Resp: 106814

Ion Ratio Lower Upper

64 100

66 31.7 24.2 36.2





#7

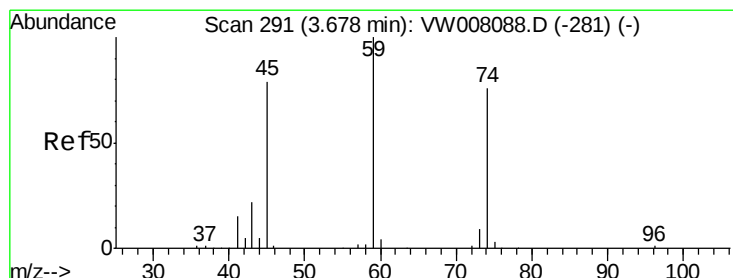
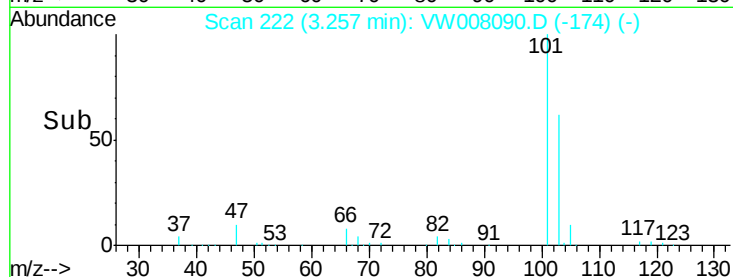
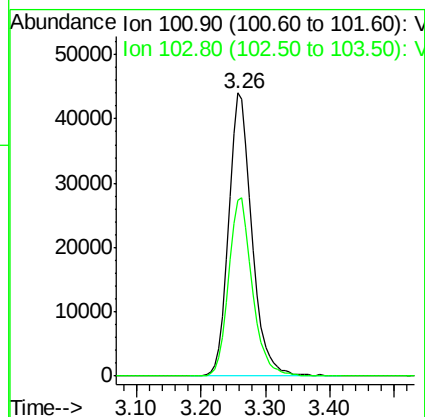
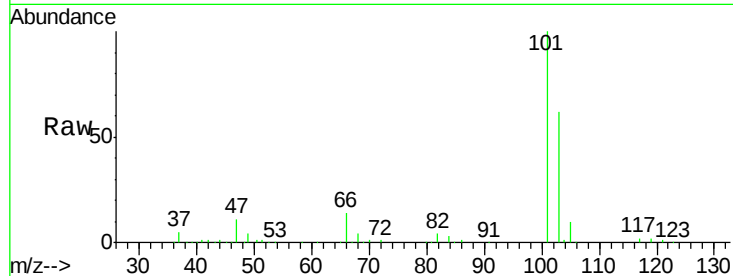
Trichlorofluoromethane
Concen: 119.423 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 112297
Ion Ratio Lower Upper
101 100
103 62.3 47.0 70.6

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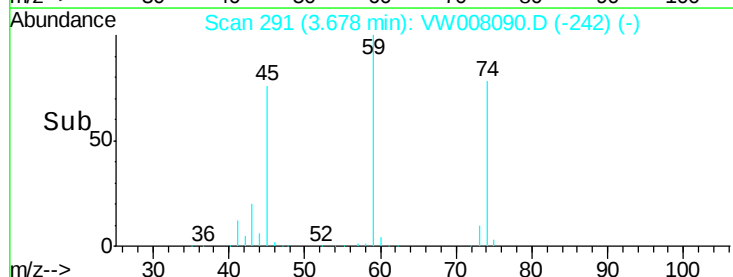
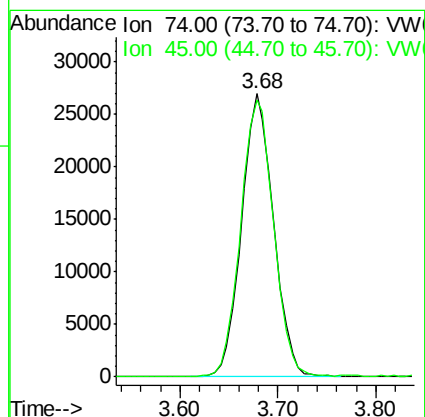
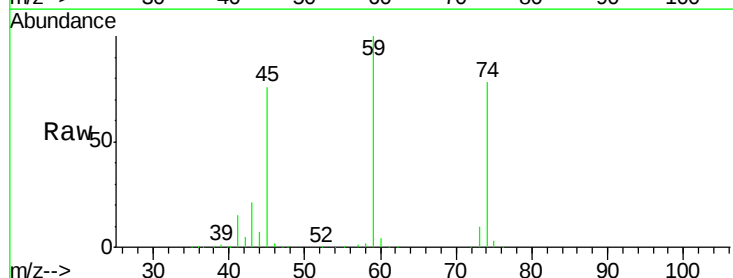
MMDadoda
1/9/2019 11:08:05 AM

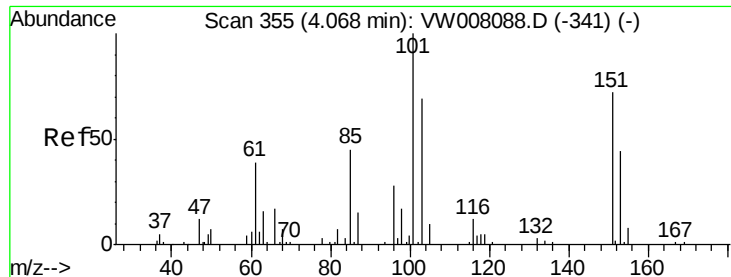


#8

Diethyl Ether
Concen: 123.703 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion: 74 Resp: 60991
Ion Ratio Lower Upper
74 100
45 100.8 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.234 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

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MSVOA_W

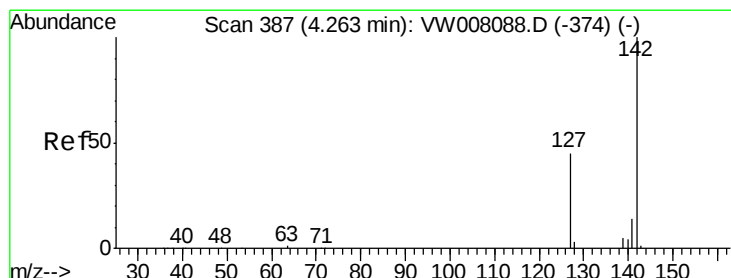
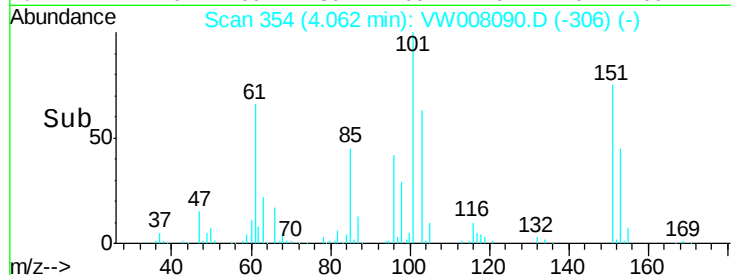
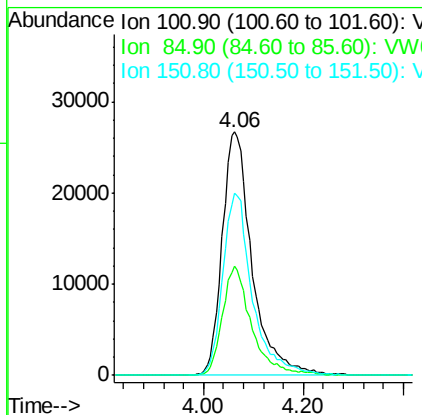
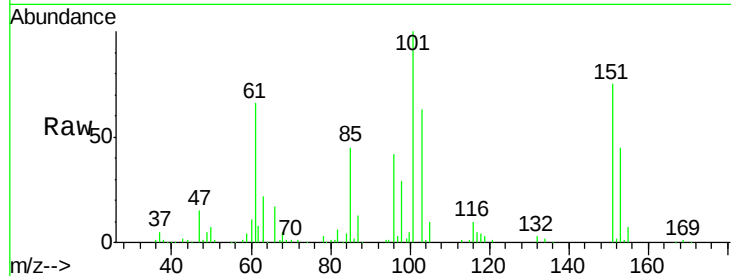
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	110961
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.9	53.9
151	73.9	55.8	83.8

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#10

Methyl Iodide

Concen: 100.079 ug/l

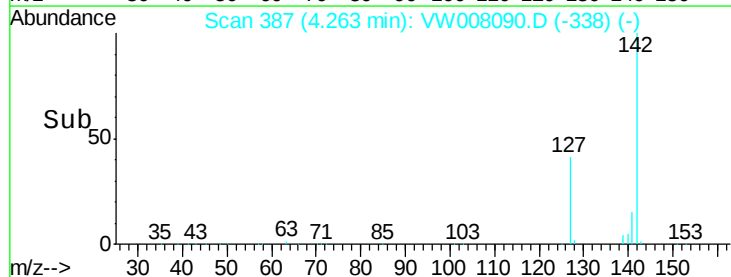
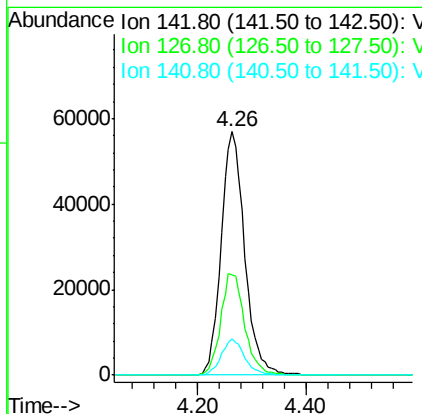
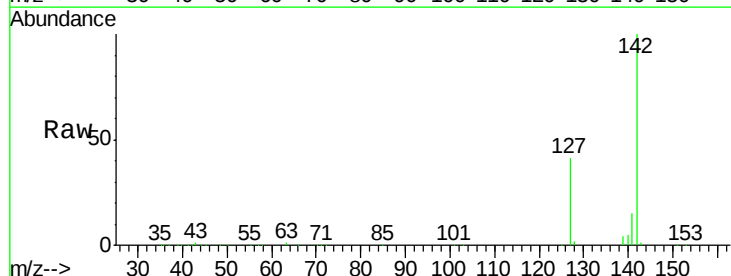
RT: 4.26 min Scan# 387

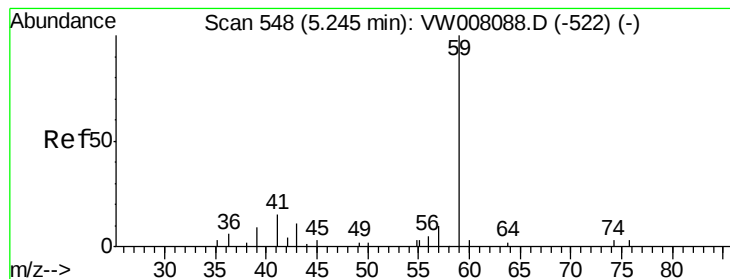
Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Tgt Ion:	142	Resp:	171087
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.0	52.4
141	14.6	11.8	17.6





#11

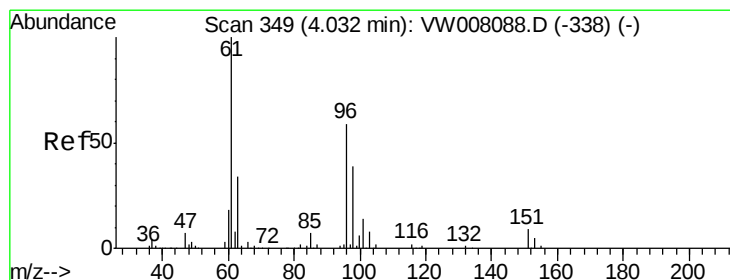
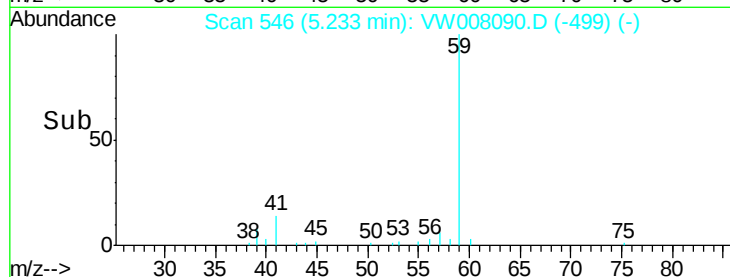
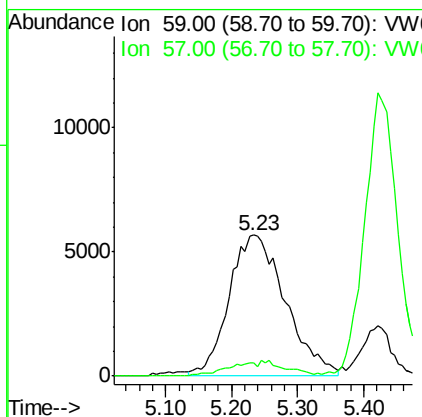
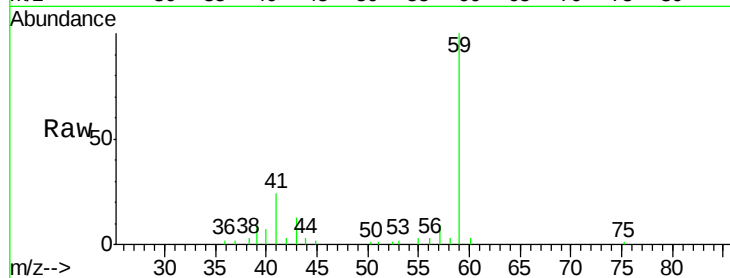
Tert butyl alcohol
 Concen: 445.755 ug/l
 RT: 5.23 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	0.0	0.0#

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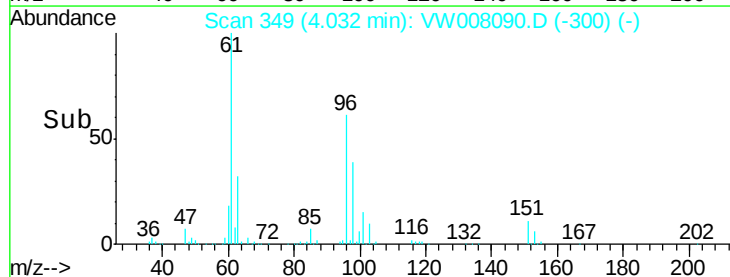
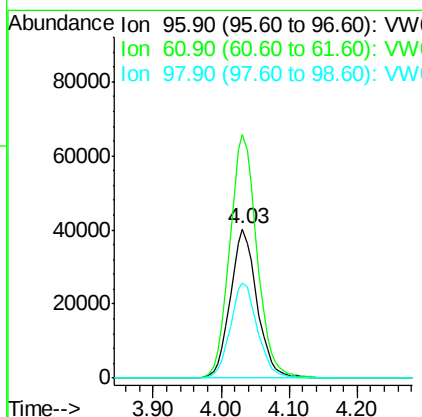
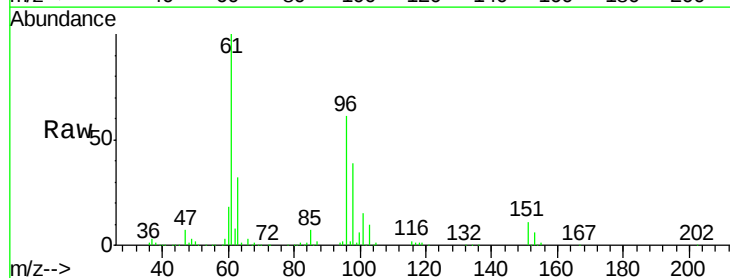
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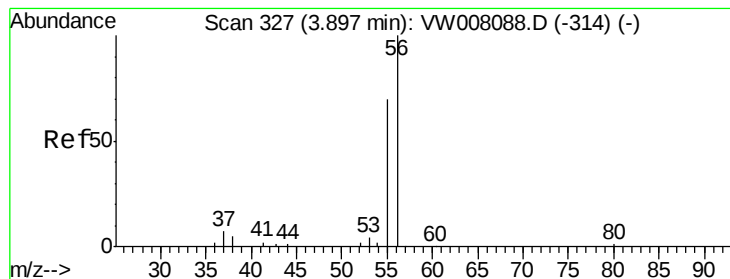


#12

1,1-Dichloroethene
 Concen: 105.309 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.4	135.4	203.2
98	64.1	52.5	78.7





#13

Acrolein

Concen: 737.023 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 40820

Ion Ratio Lower Upper

56 100

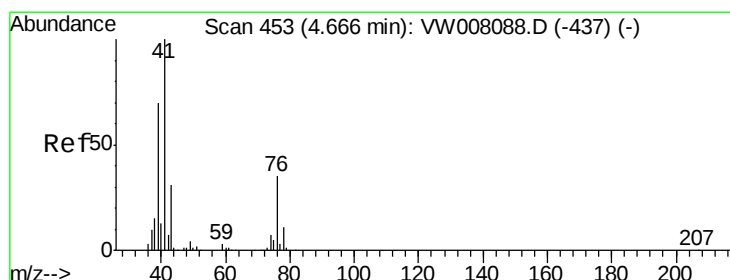
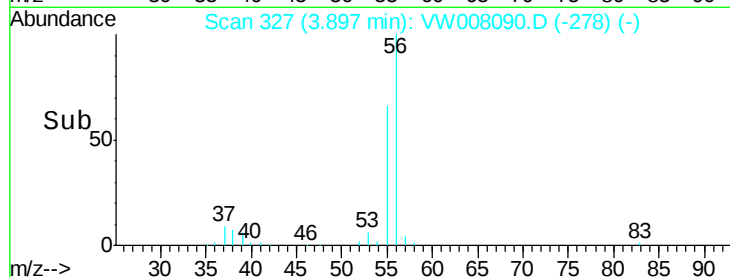
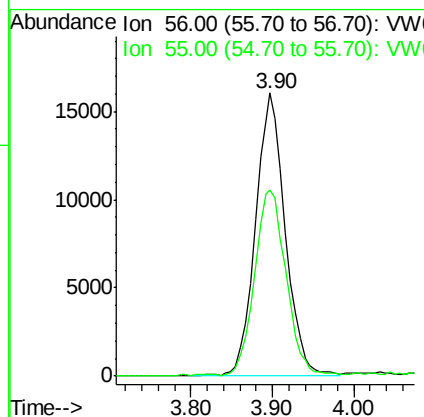
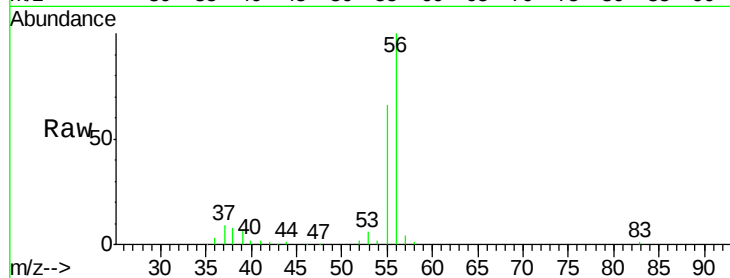
55 69.7 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 133.872 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

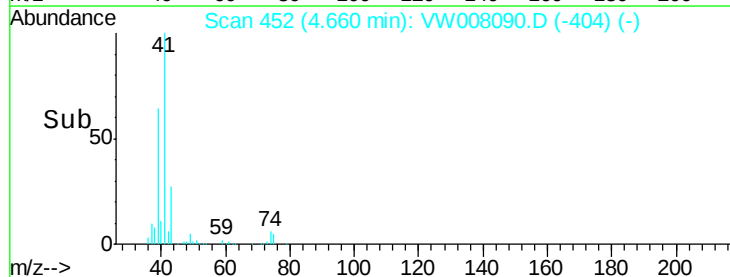
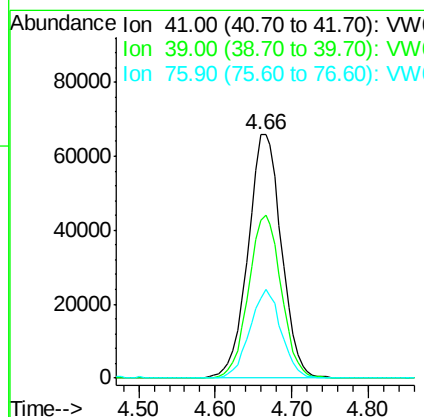
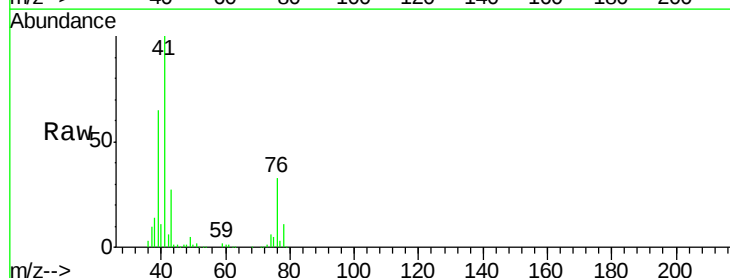
Tgt Ion: 41 Resp: 199930

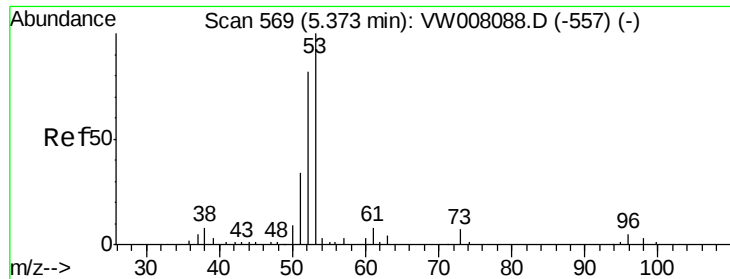
Ion Ratio Lower Upper

41 100

39 65.9 53.8 80.8

76 33.9 27.6 41.4





#15

Acrylonitrile

Concen: 660.907 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

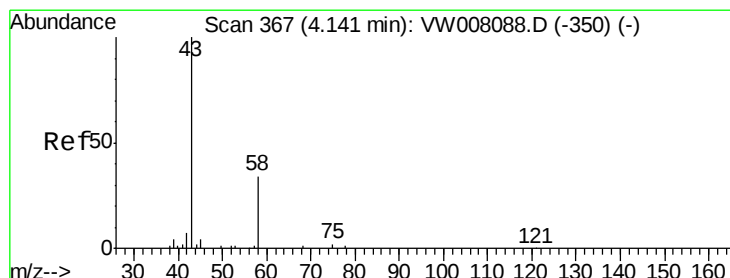
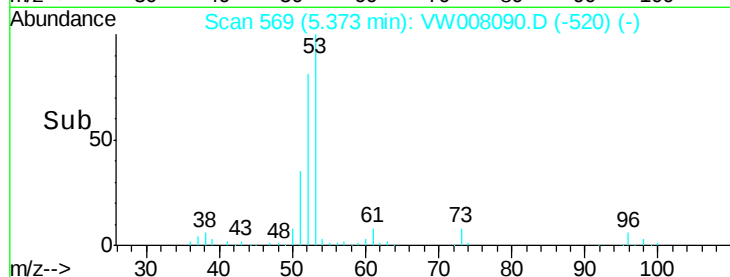
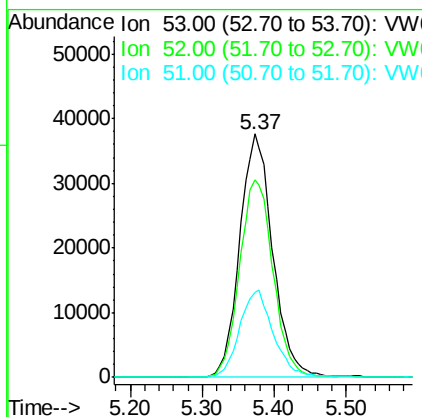
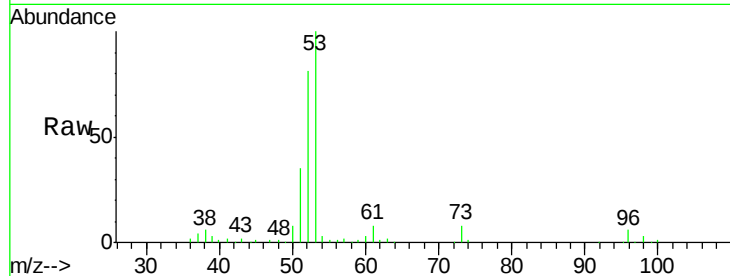
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	119765
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.8	100.2
51	37.0	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 542.019 ug/l

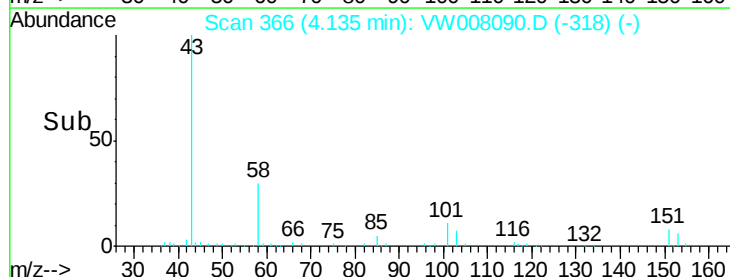
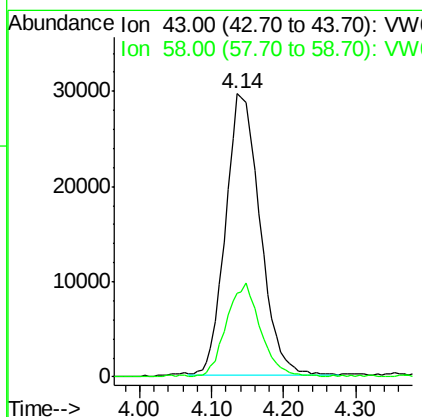
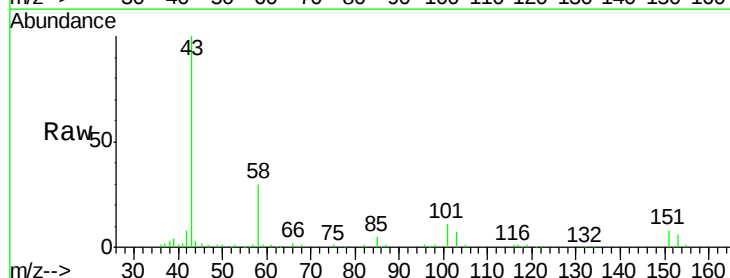
RT: 4.14 min Scan# 366

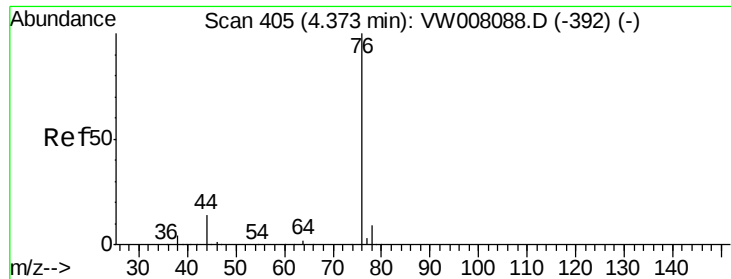
Delta R.T. -0.01 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Tgt Ion:	43	Resp:	98560
Ion	Ratio	Lower	Upper
43	100		
58	29.5	27.5	41.3





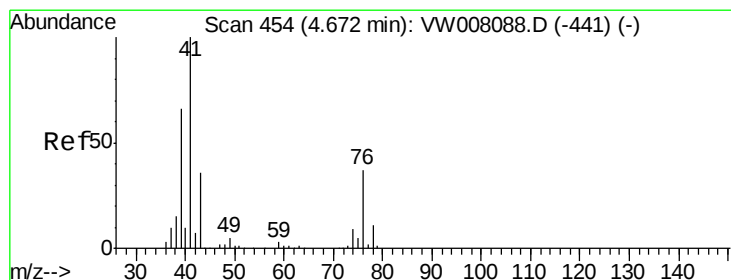
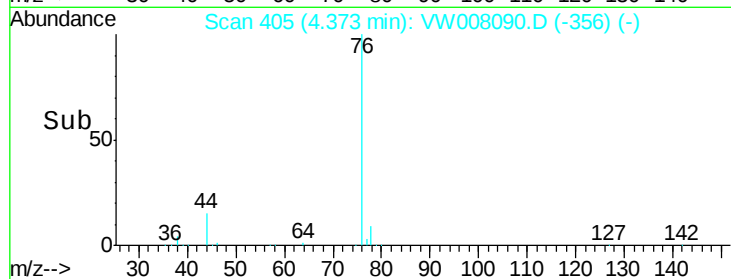
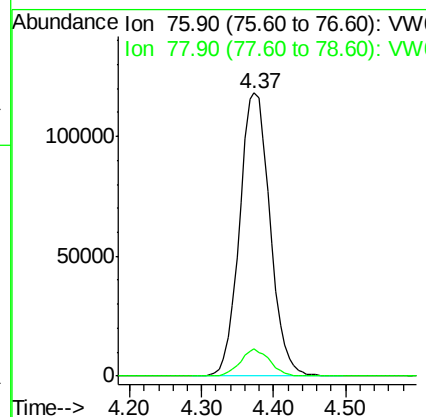
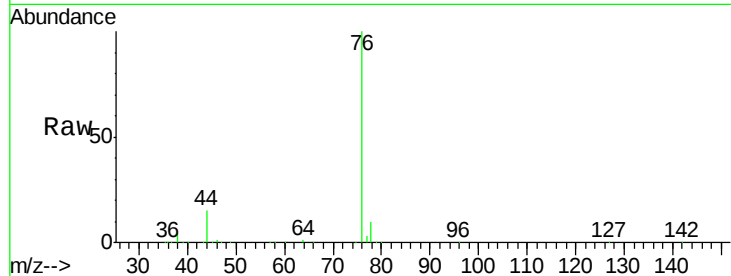
#17
Carbon Disulfide
Concen: 109.148 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

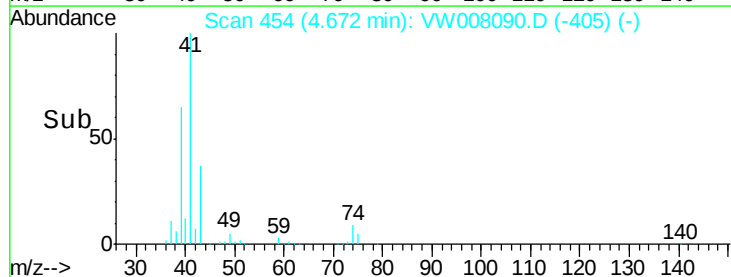
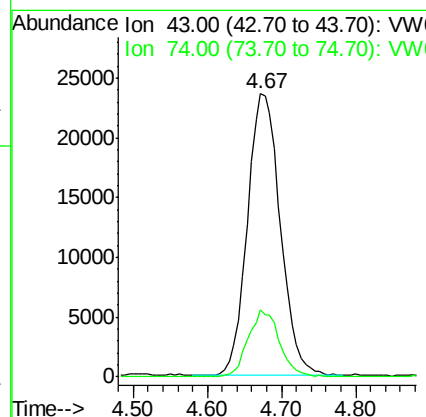
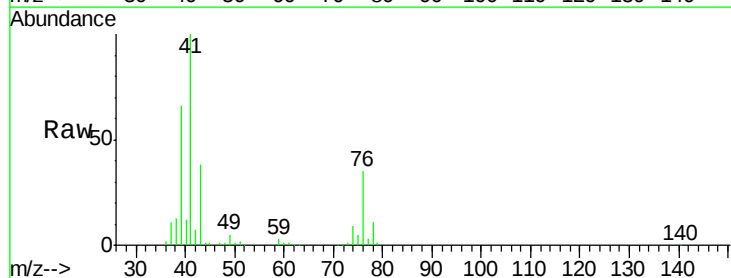
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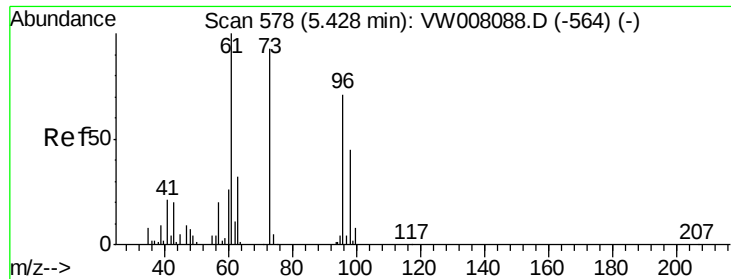
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#18
Methyl Acetate
Concen: 147.233 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.0	28.4





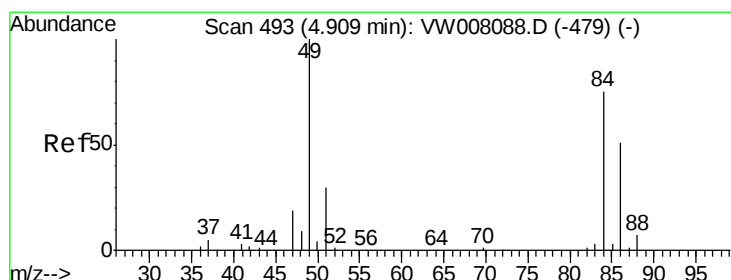
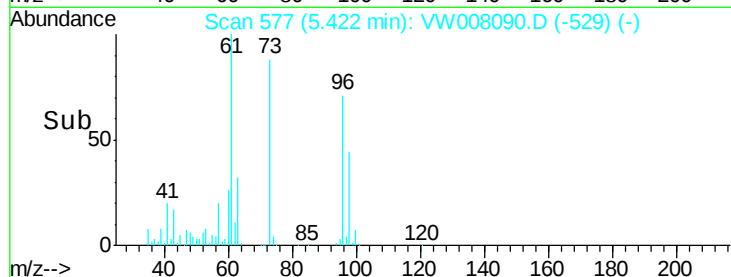
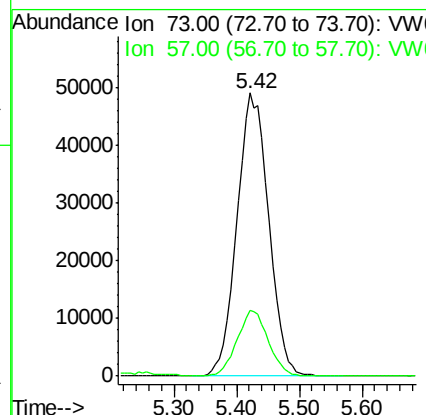
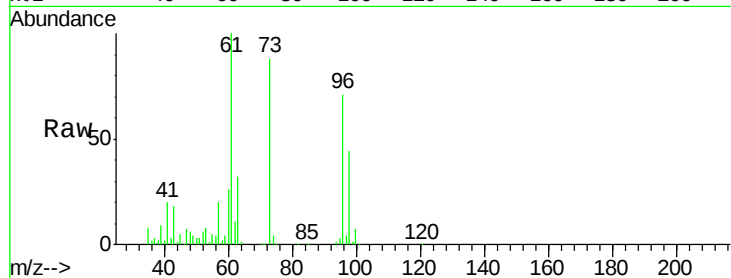
#19
Methvl tert-butvl Ether
Concen: 104.466 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 171162
Ion Ratio Lower Upper
73 100
57 23.3 16.7 25.1

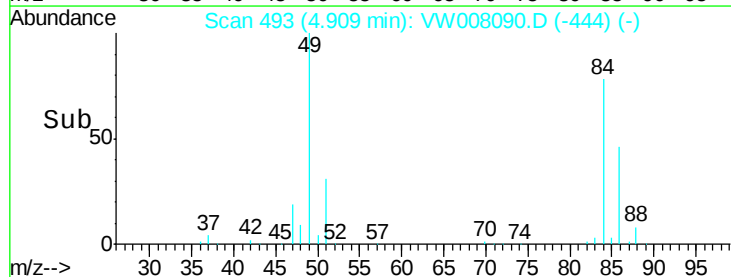
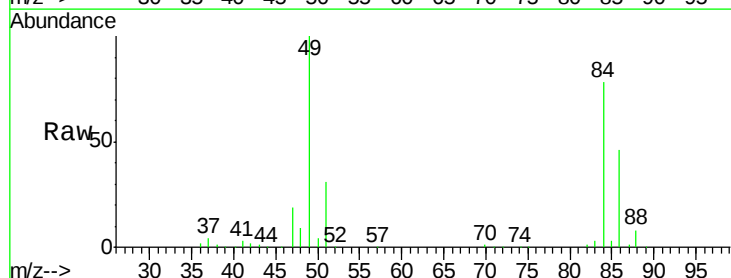
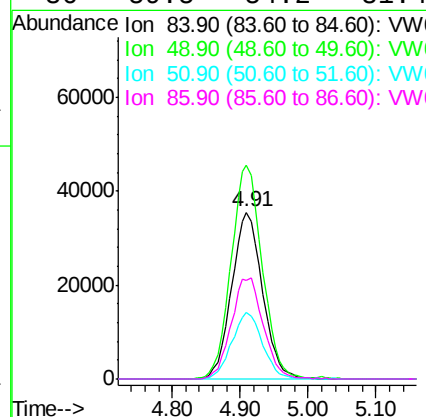
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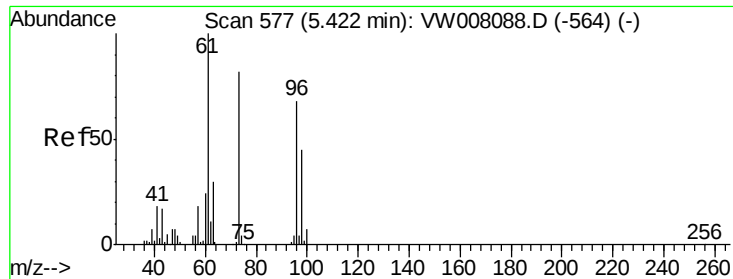
MMDadoda
1/9/2019 11:08:05 AM



#20
Methylene Chloride
Concen: 91.282 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion: 84 Resp: 111378
Ion Ratio Lower Upper
84 100
49 128.0 107.1 160.7
51 40.0 32.4 48.6
86 59.5 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 102.612 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

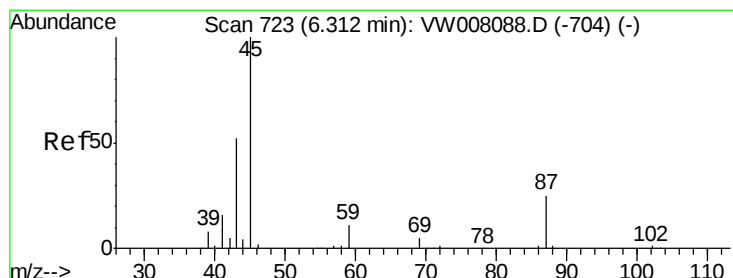
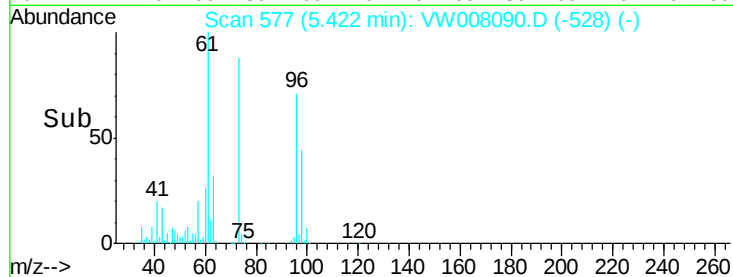
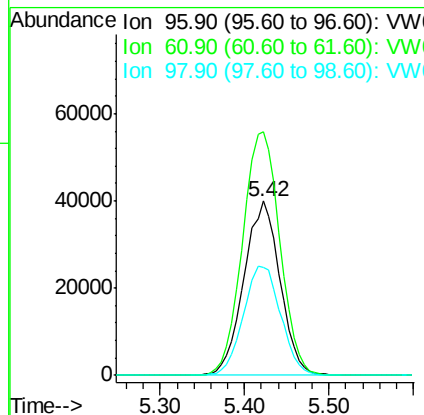
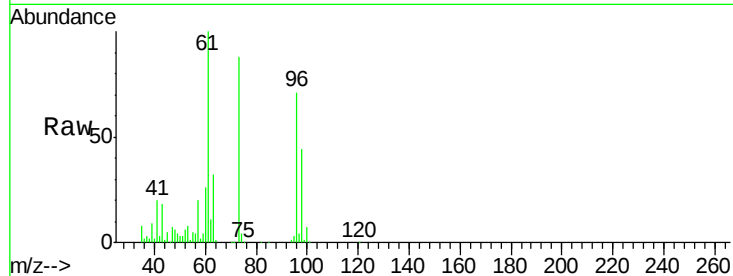
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	115993
Ion	Ratio	Lower	Upper
96	100		
61	139.8	117.4	176.0
98	62.0	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 137.140 ug/l

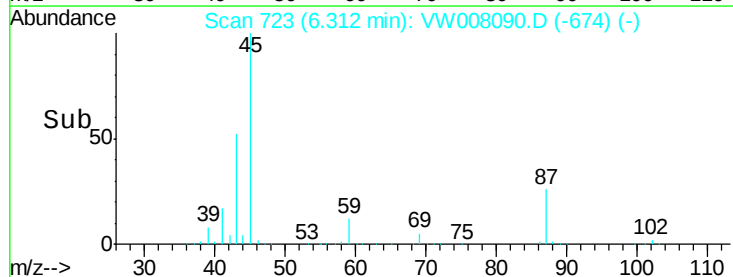
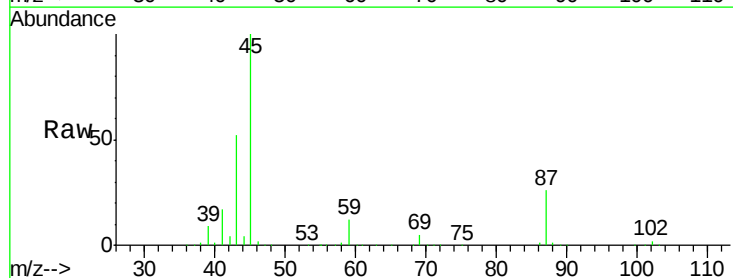
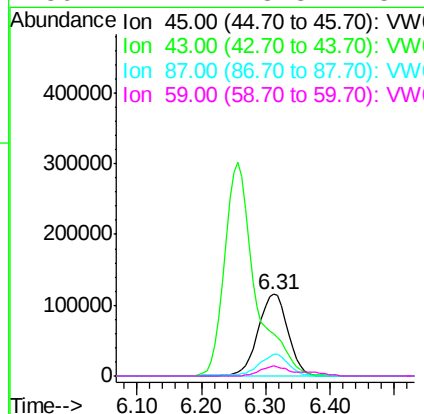
RT: 6.31 min Scan# 723

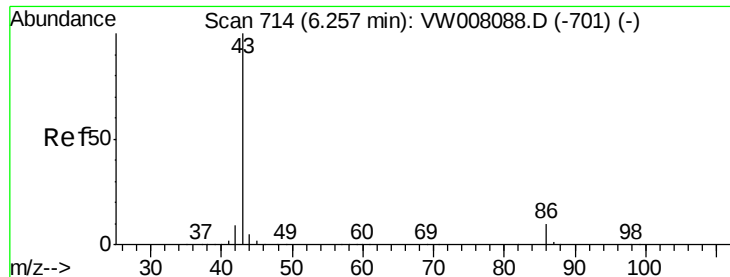
Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Tgt Ion:	45	Resp:	370637
Ion	Ratio	Lower	Upper
45	100		
43	52.1	41.7	62.5
87	26.0	20.1	30.1
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 675.243 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1007995

Ion Ratio Lower Upper

43 100

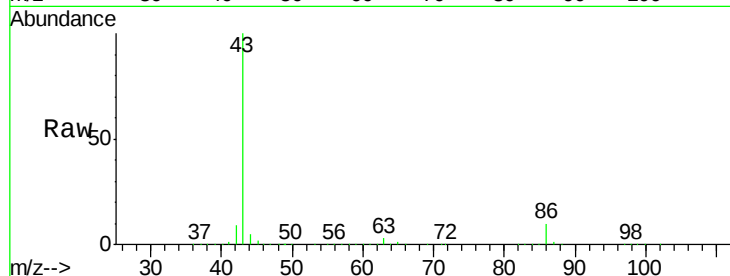
86 10.1 7.7 11.5

Manual Integrations

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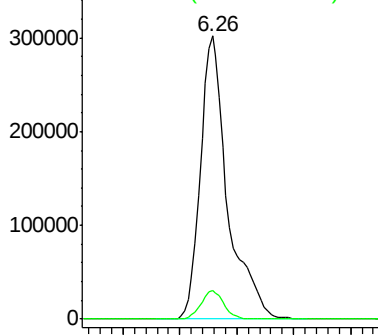
MMDadoda

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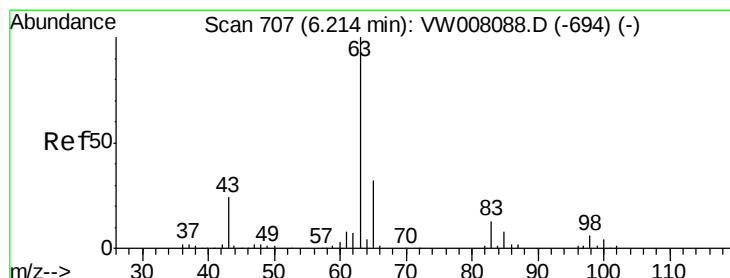
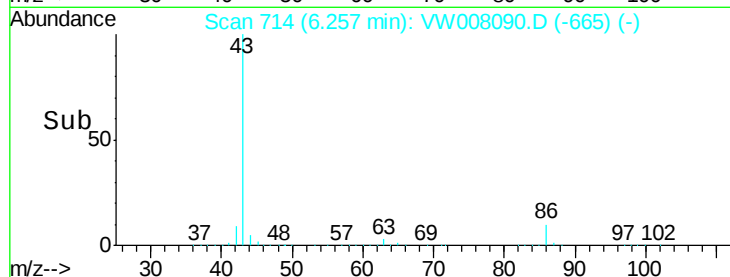


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 111.014 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

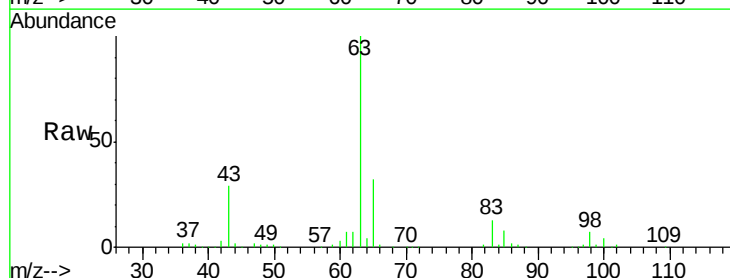
Tgt Ion: 63 Resp: 211818

Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

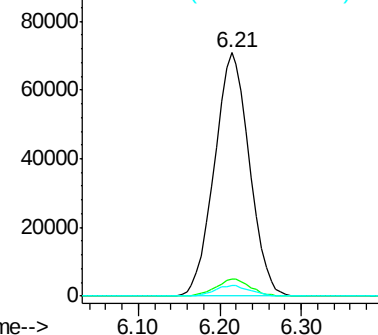
100 4.2 2.0 6.0



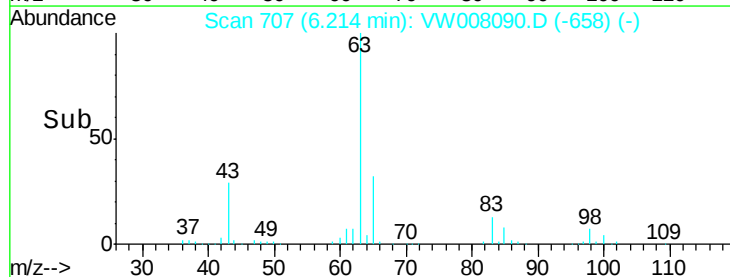
Abundance Ion 62.90 (62.60 to 63.60): VW

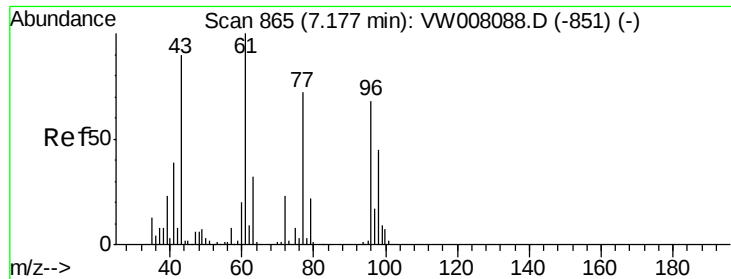
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 659.818 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 146546

Ion Ratio Lower Upper

43 100

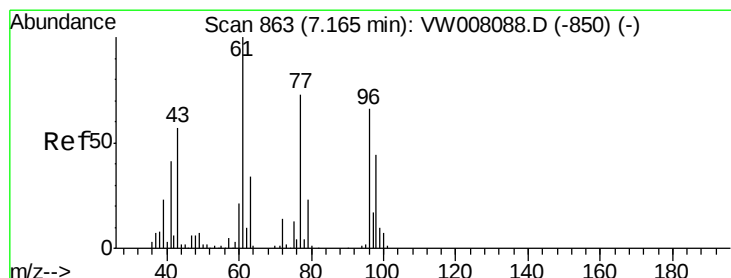
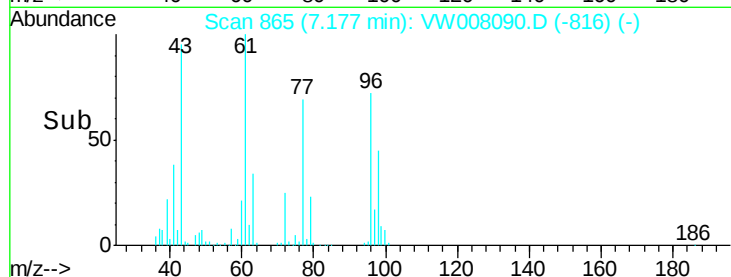
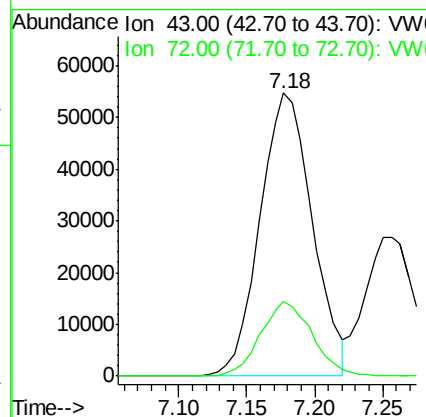
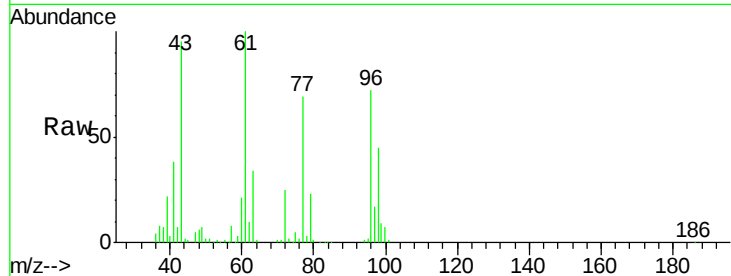
72 26.4 20.5 30.7

Manual Integrations

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MMDadoda

1/9/2019 11:08:05 AM



#26

2,2-Dichloropropane

Concen: 90.507 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008090.D

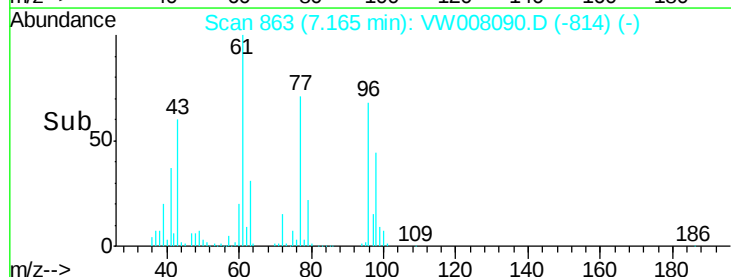
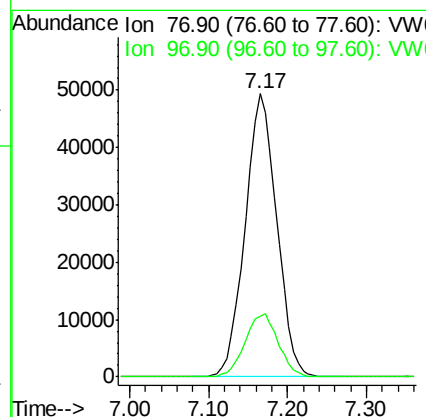
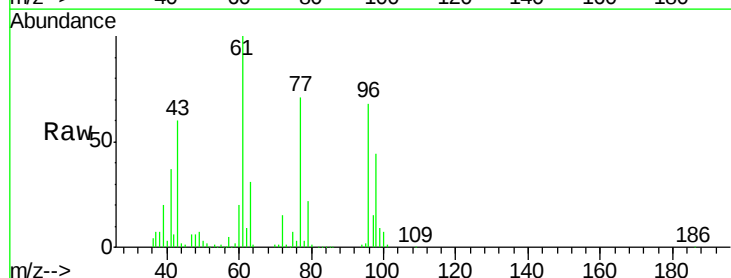
Acq: 08 Jan 2019 17:30

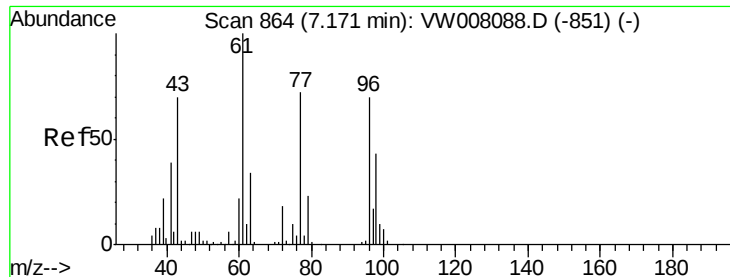
Tgt Ion: 77 Resp: 137664

Ion Ratio Lower Upper

77 100

97 23.2 11.4 34.1





#27

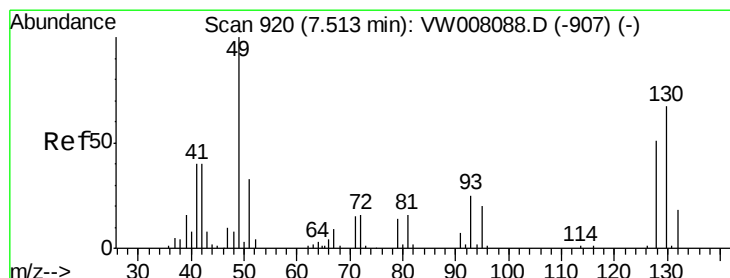
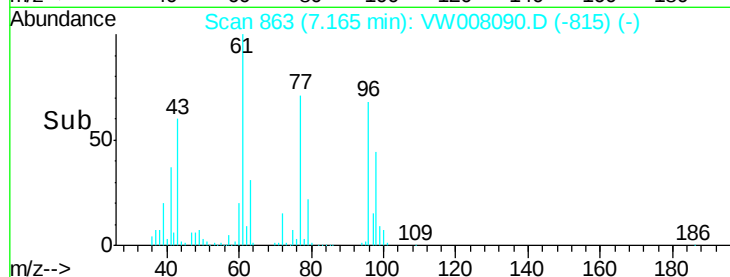
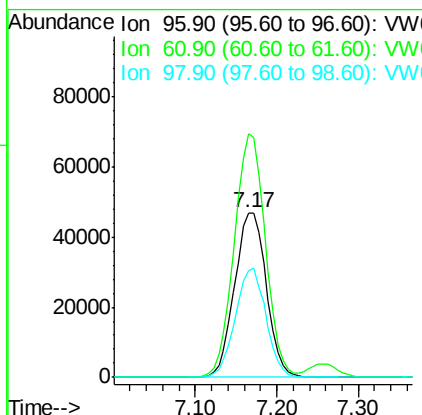
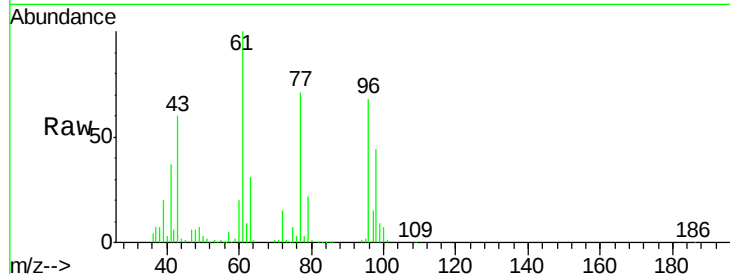
cis-1,2-Dichloroethene
Concen: 104.863 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126599		
61	144.6	0.0	300.4	
98	64.0	0.0	128.4	

Manual Integrations
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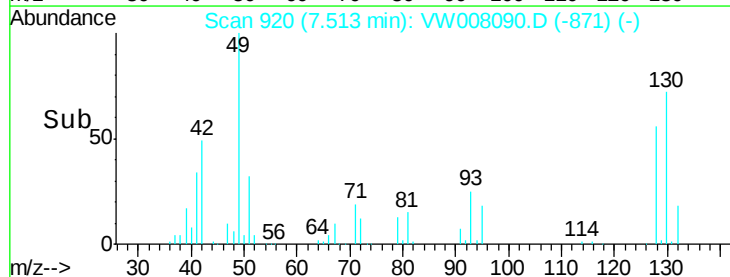
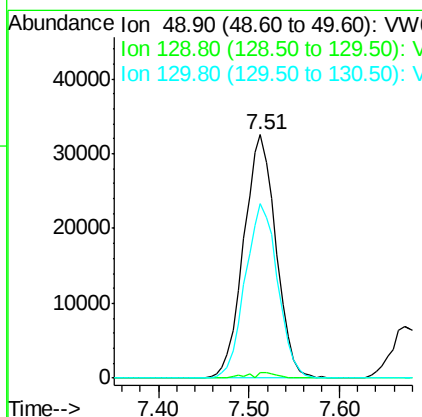
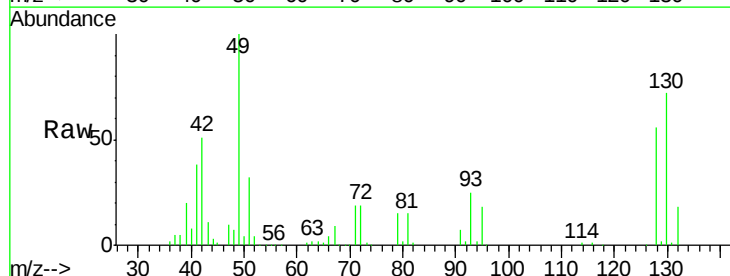
MMDadoda
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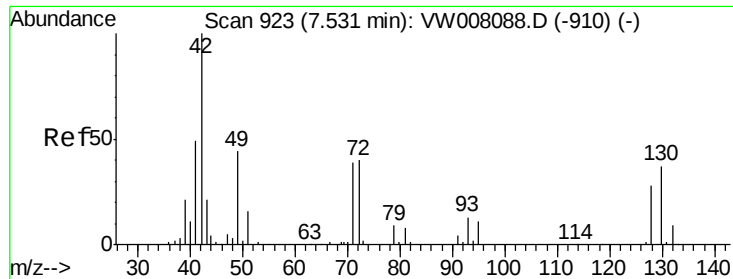


#28

Bromochloromethane
Concen: 123.453 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80062		
129	1.4	0.0	2.8	
130	72.3	54.3	81.5	





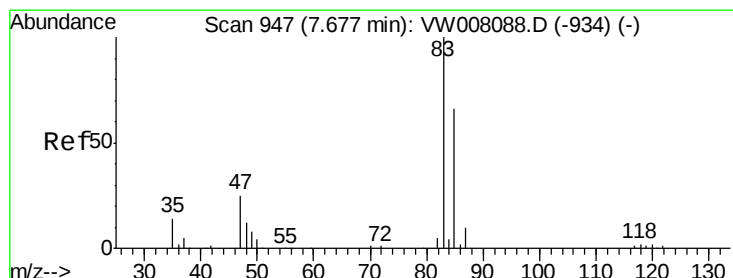
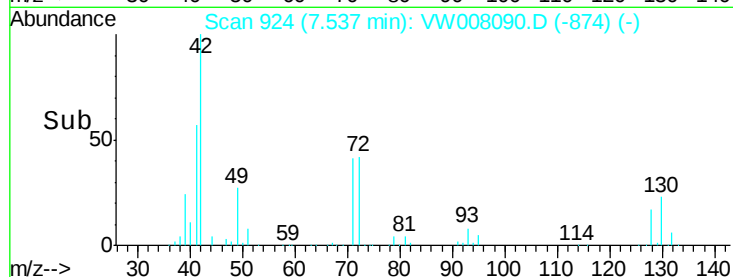
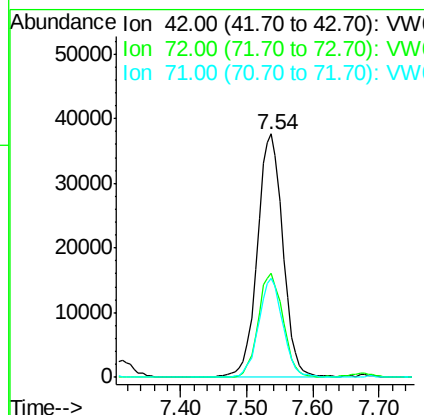
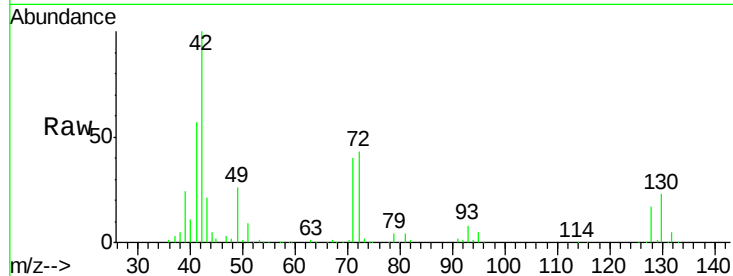
#29
Tetrahydrofuran
Concen: 717.541 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.4	48.6
71	38.4	31.3	46.9

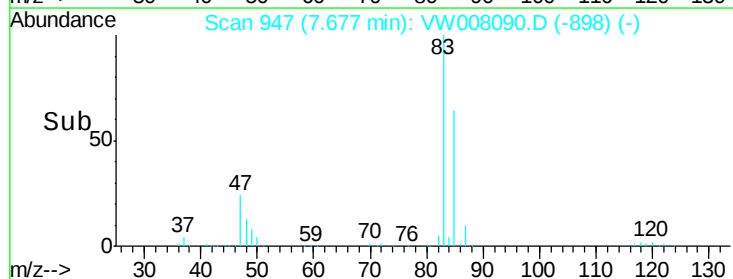
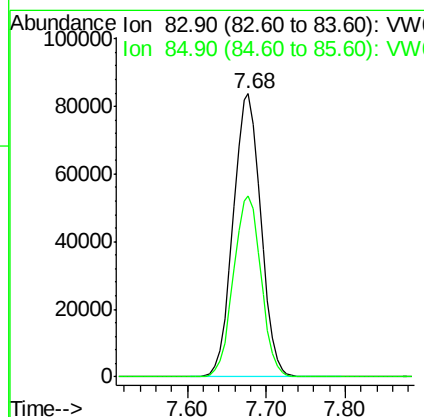
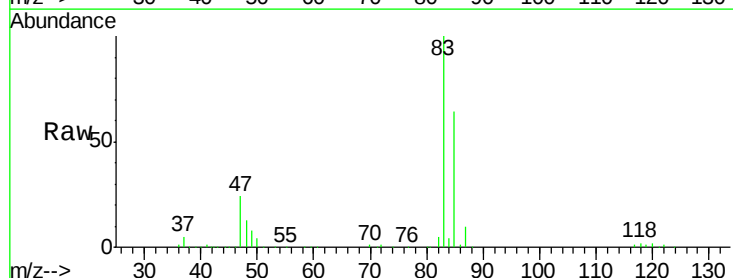
Manual Integrations
APPROVED

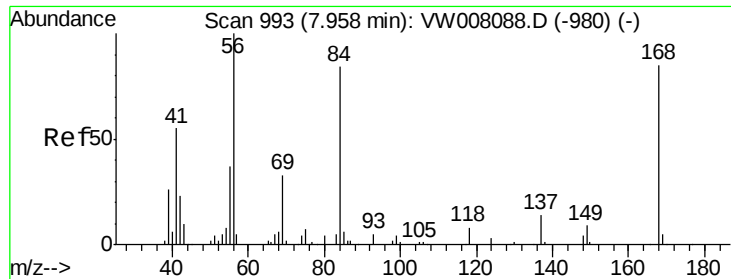
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#30
Chloroform
Concen: 97.832 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.2	79.8





#31

Cyclohexane

Concen: 116.213 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

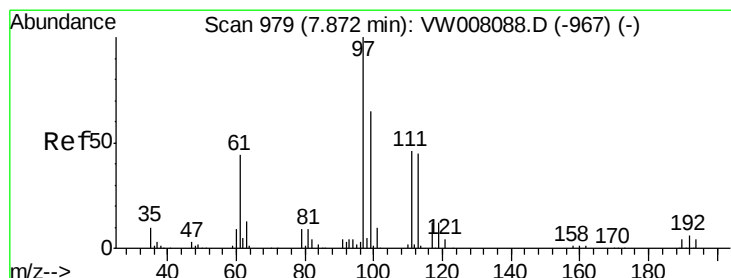
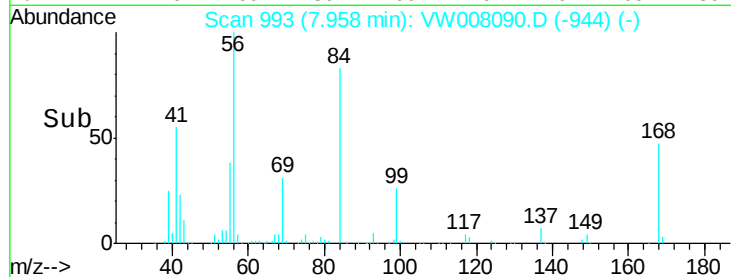
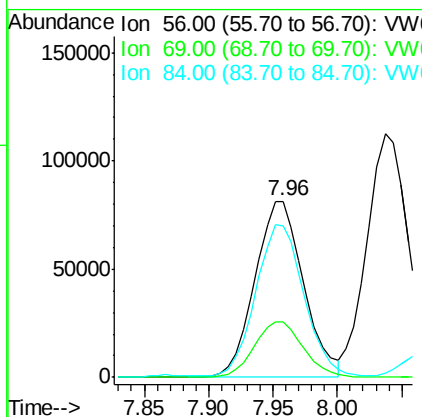
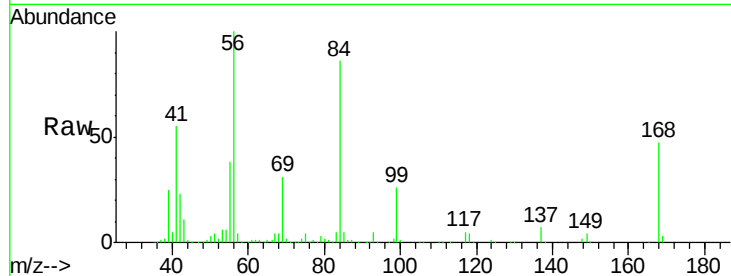
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	212918
Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.2	39.4
84	84.9	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 91.111 ug/l

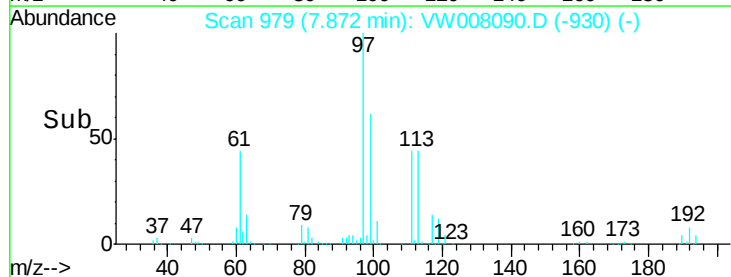
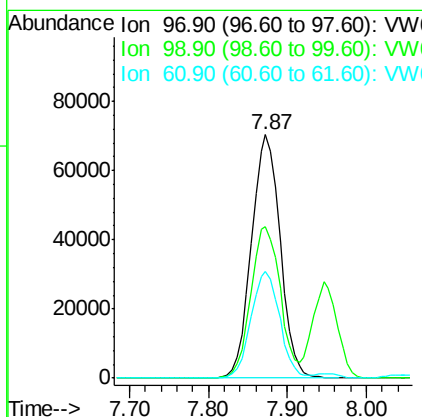
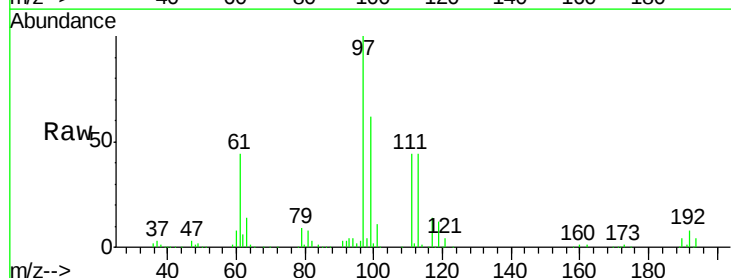
RT: 7.87 min Scan# 979

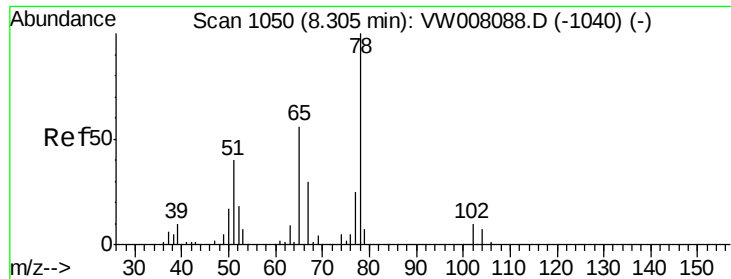
Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Tgt Ion:	97	Resp:	178596
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	43.6	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 92.369 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 65 Resp: 105549

Ion Ratio Lower Upper

65 100

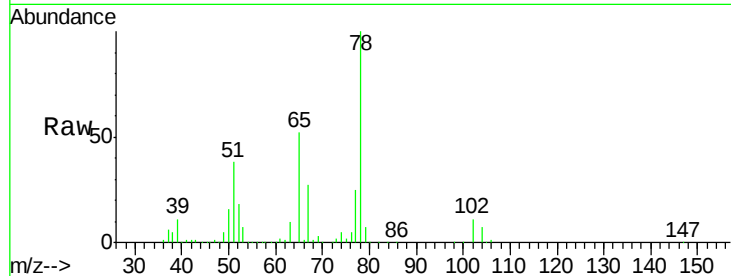
67 52.4 0.0 106.8

Manual Integrations

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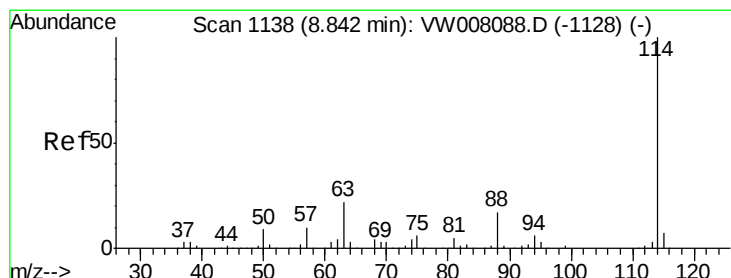
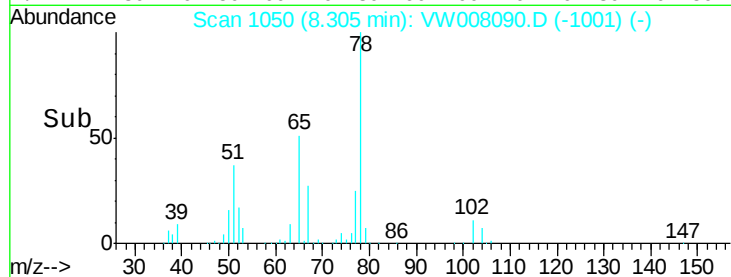
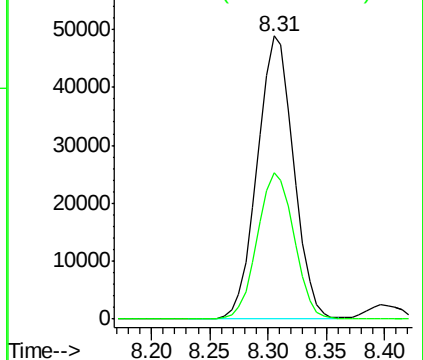
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

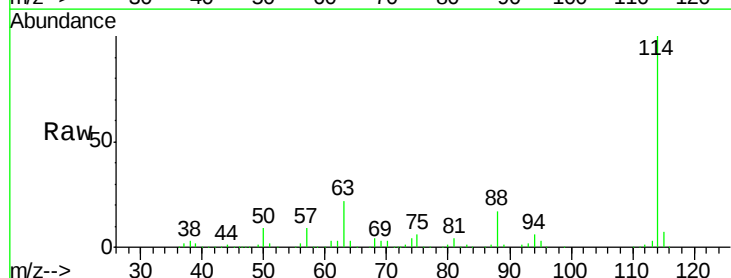
Tgt Ion: 114 Resp: 169628

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

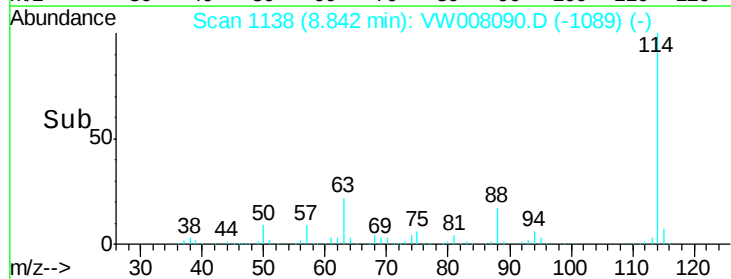
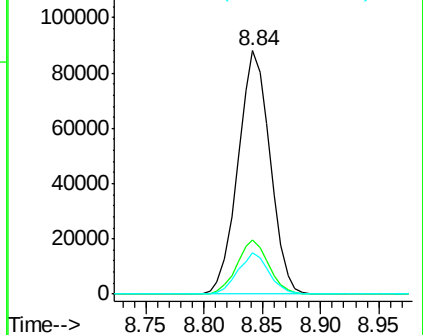
88 16.8 0.0 33.4

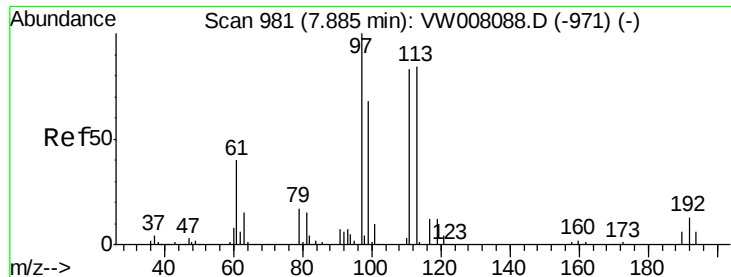


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





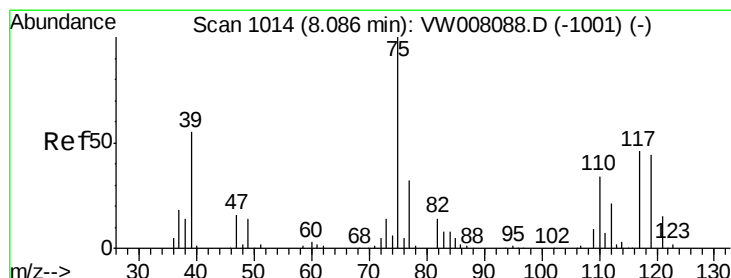
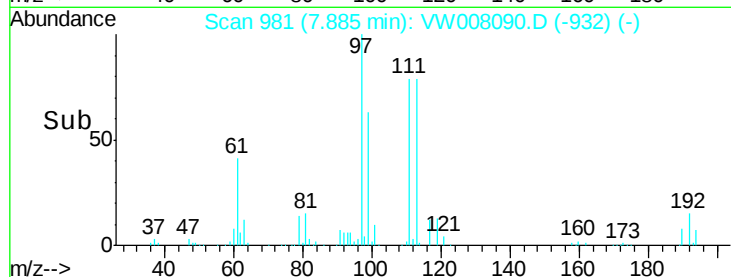
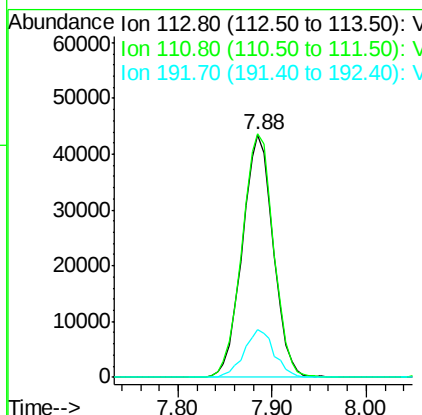
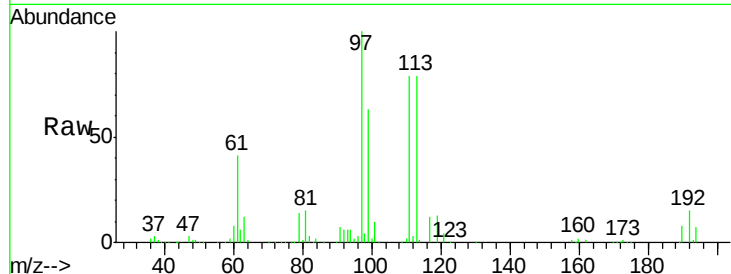
#35
 Dibromofluoromethane
 Concen: 94.990 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	99899		
111	102.7		81.8	122.8
192	19.2		12.8	19.2#

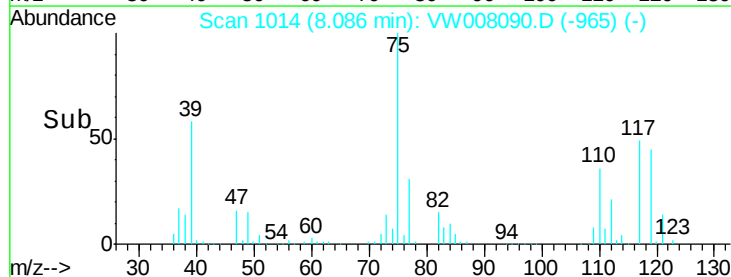
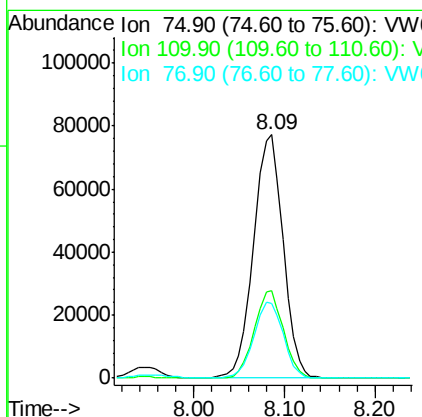
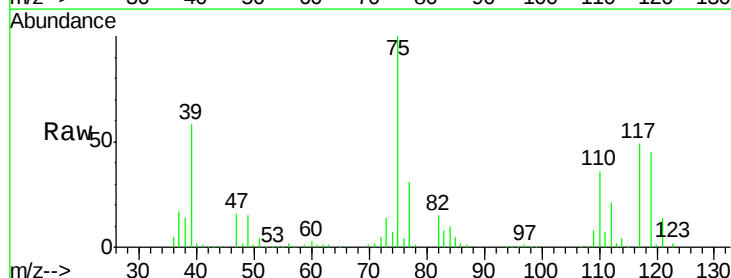
Manual Integrations
 APPROVED

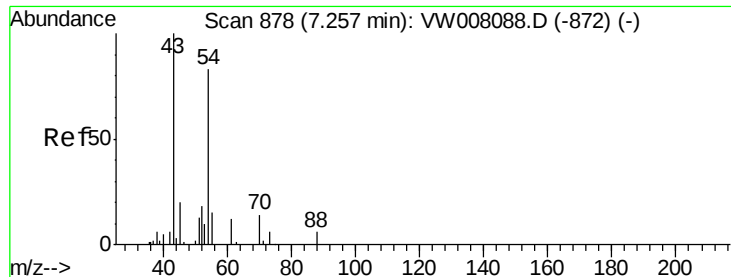
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#36
 1,1-Dichloropropene
 Concen: 105.086 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174523		
110	35.2		17.1	51.3
77	31.2		25.5	38.3





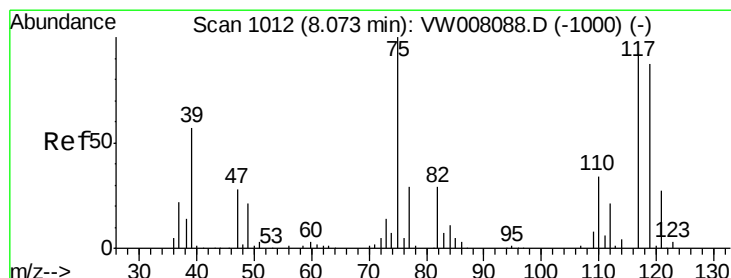
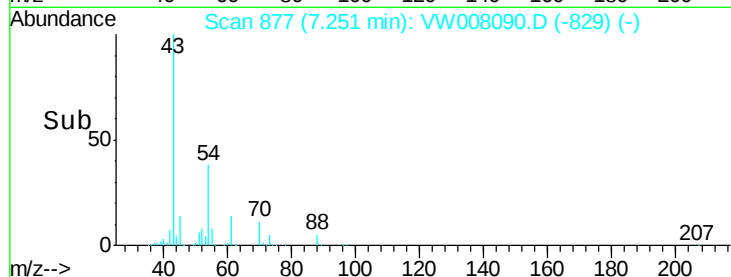
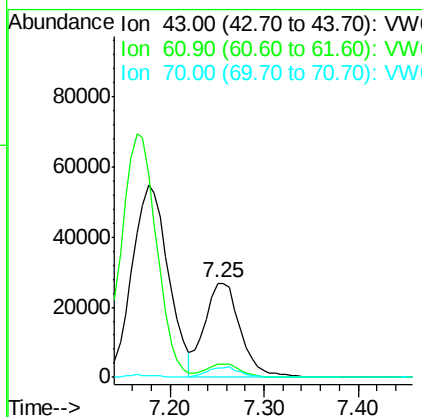
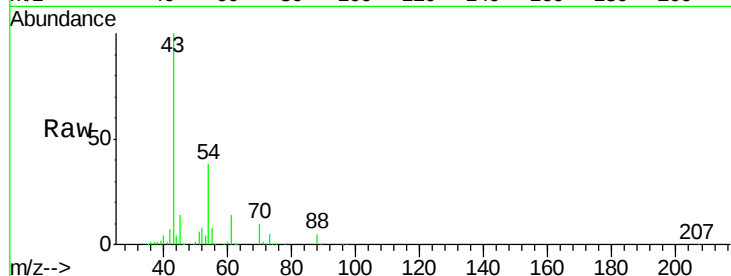
#37
Ethyl Acetate
Concen: 132.784 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.6	16.0
70	10.2	8.9	13.3

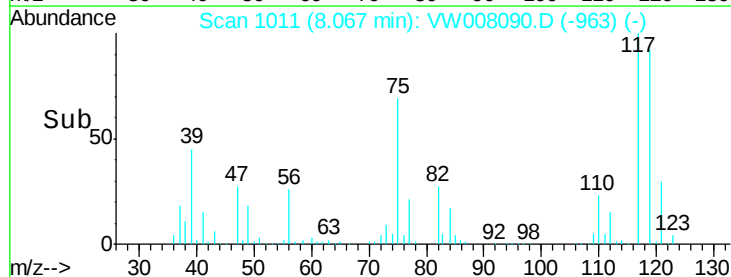
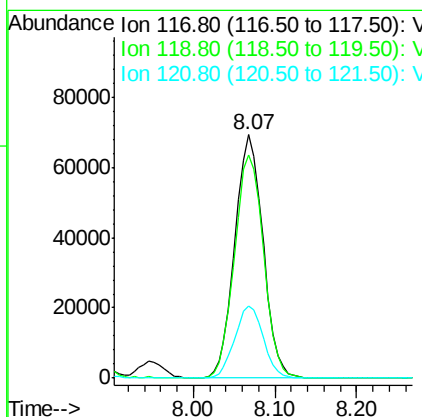
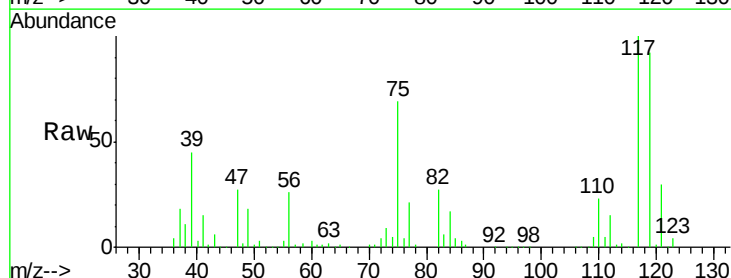
Manual Integrations
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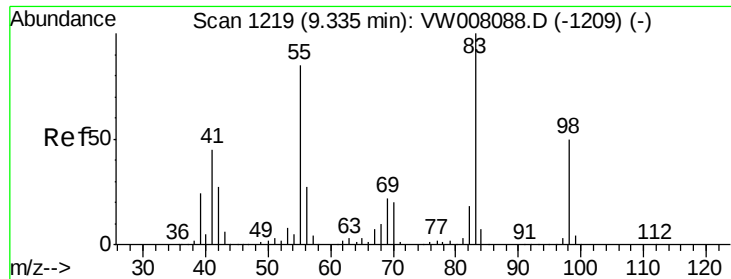
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#38
Carbon Tetrachloride
Concen: 86.828 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	75.8	113.8
121	29.7	23.7	35.5





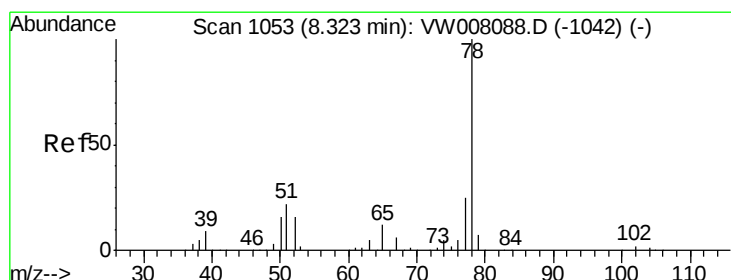
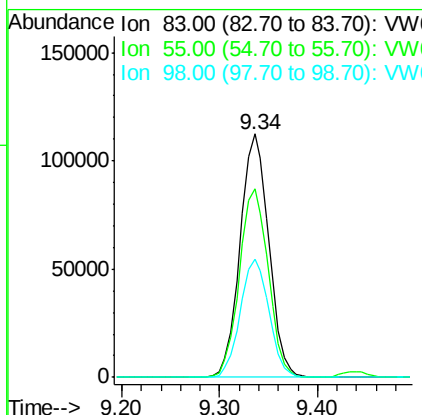
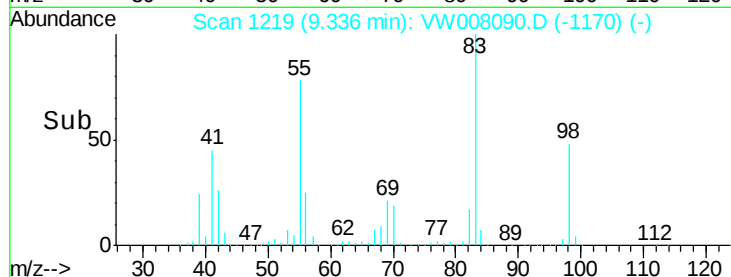
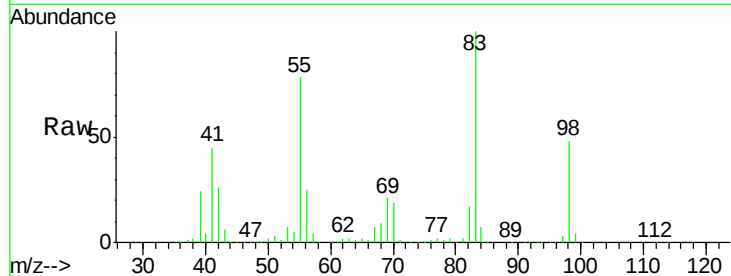
#39
Methvlcvclohexane
Concen: 109.533 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	83	Resp	227968
Ion Ratio	Lower	Upper	
83	100		
55	77.5	67.8	101.6
98	48.5	40.2	60.4

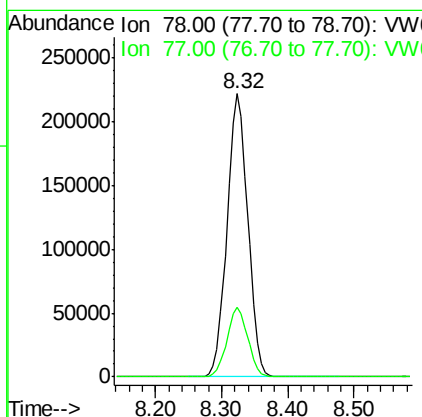
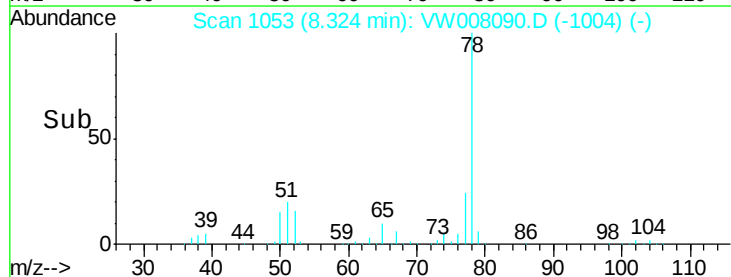
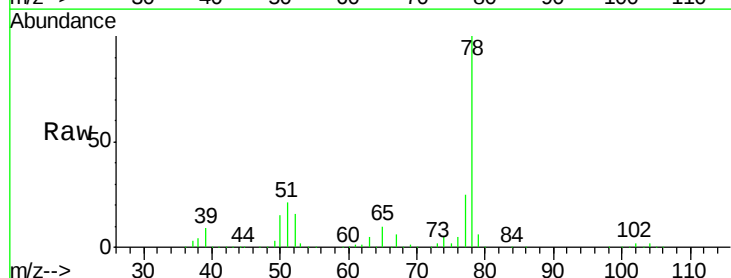
Manual Integrations
APPROVED

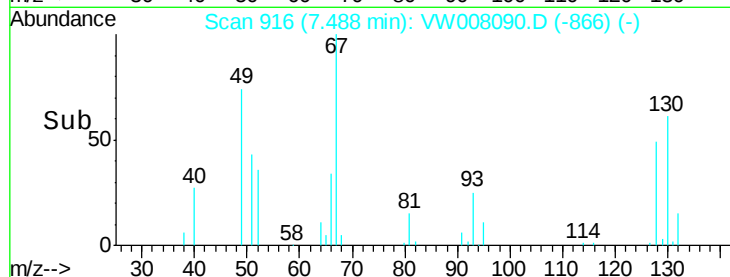
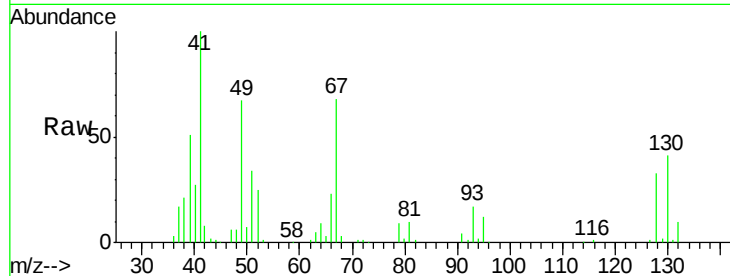
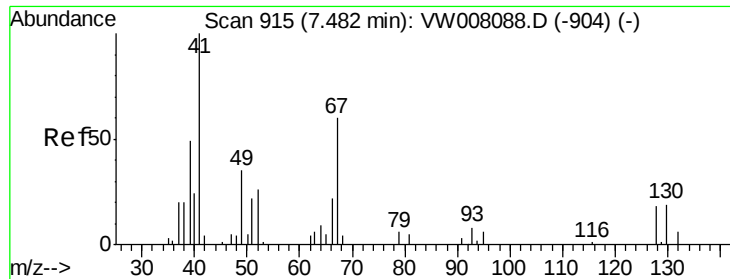
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#40
Benzene
Concen: 109.389 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

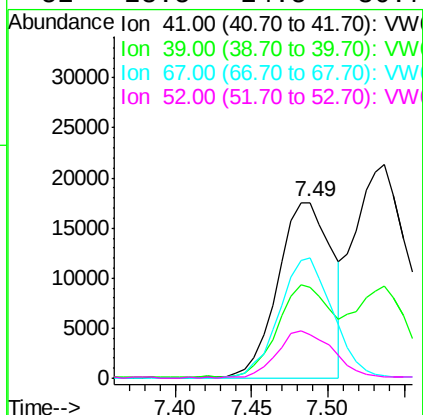
Tgt Ion	78	Resp	482967
Ion Ratio	Lower	Upper	
78	100		
77	24.6	20.2	30.4





#41
Methacrylonitrile
Concen: 142.302 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

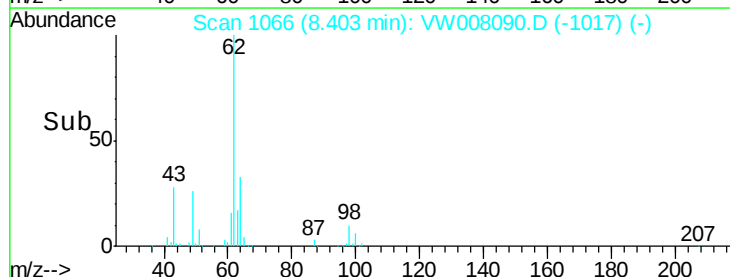
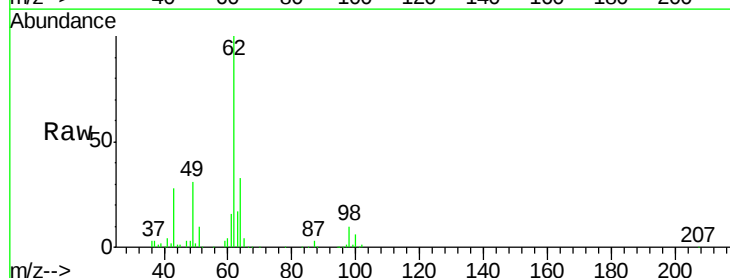
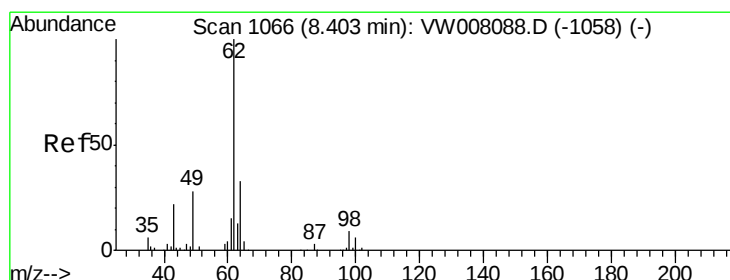
Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	51.2	47.9	71.9
67	67	68.4	56.3	84.5
52	52	28.5	24.5	36.7



Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

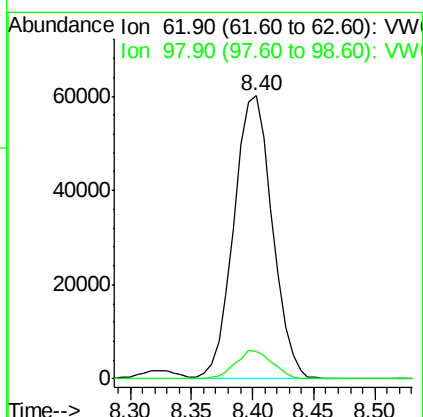
Manual Integrations
APPROVED

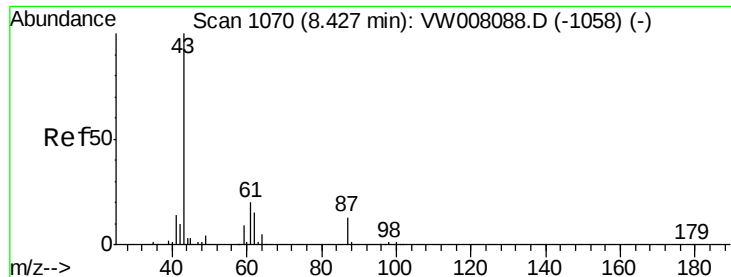
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#42
1,2-Dichloroethane
Concen: 91.526 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 137.800 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

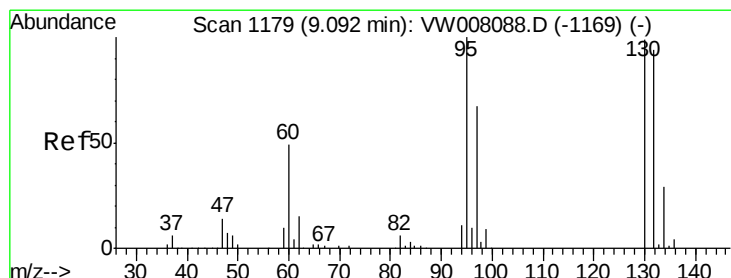
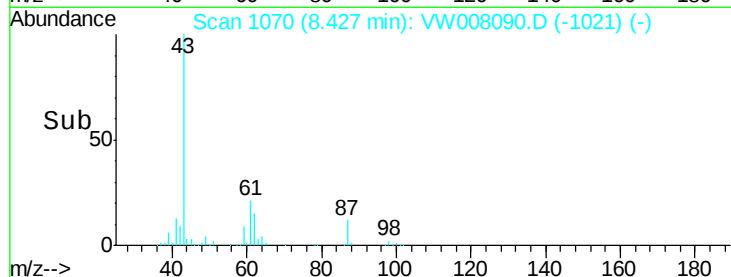
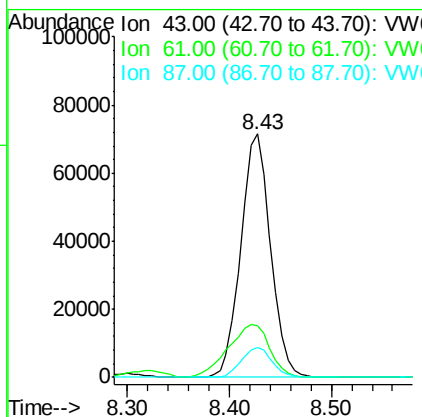
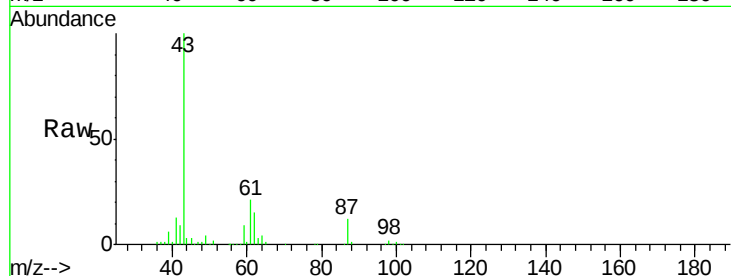
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	144228
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.8	37.2
87	12.8	10.4	15.6

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#44

Trichloroethene

Concen: 99.939 ug/l

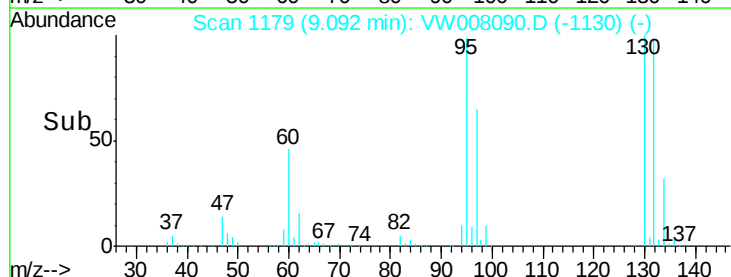
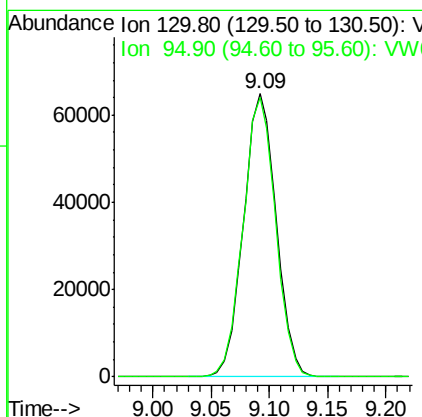
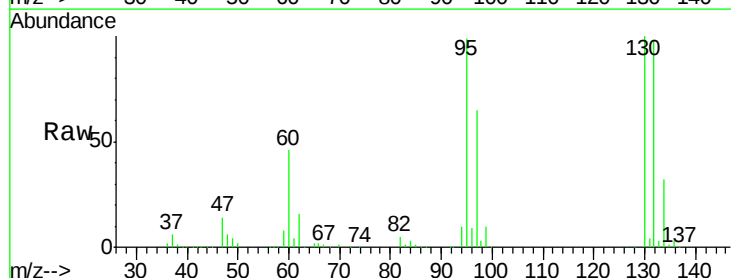
RT: 9.09 min Scan# 1179

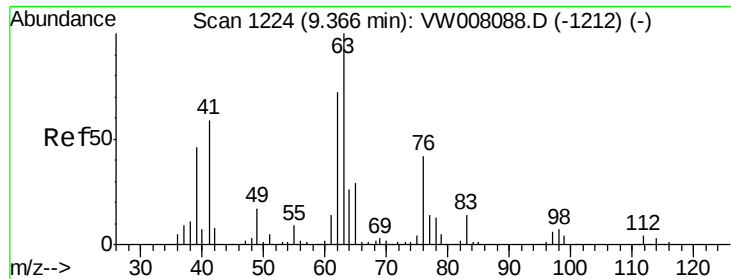
Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Tgt Ion:	130	Resp:	126861
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	202.8





#45

1,2-Dichloropropane

Concen: 121.069 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 118567

Ion Ratio Lower Upper

63 100

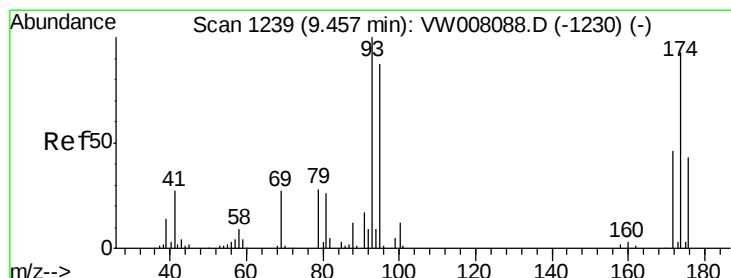
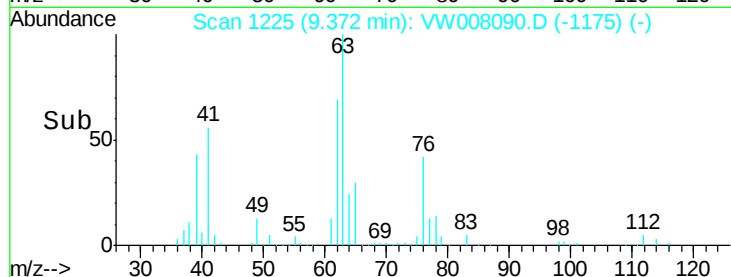
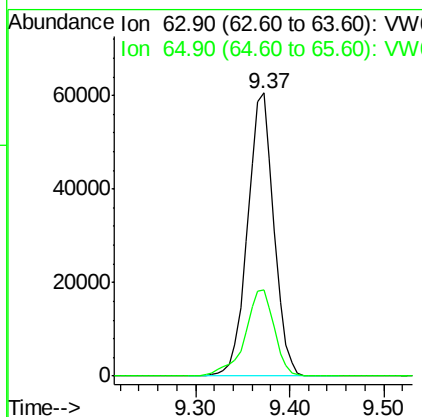
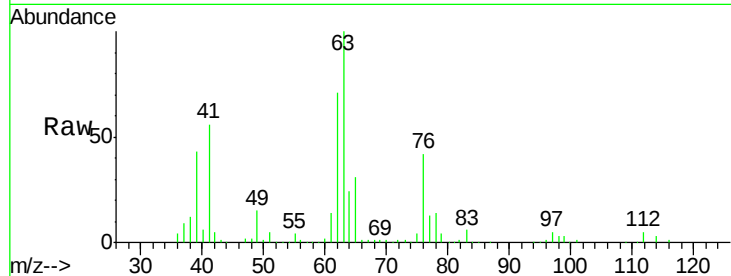
65 30.5 23.3 34.9

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#46

Dibromomethane

Concen: 105.238 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

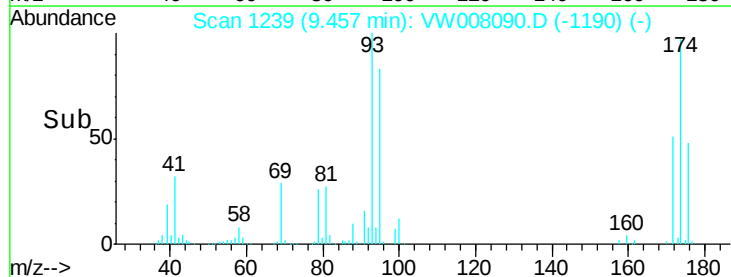
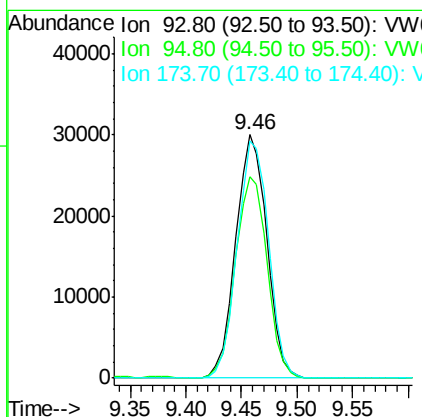
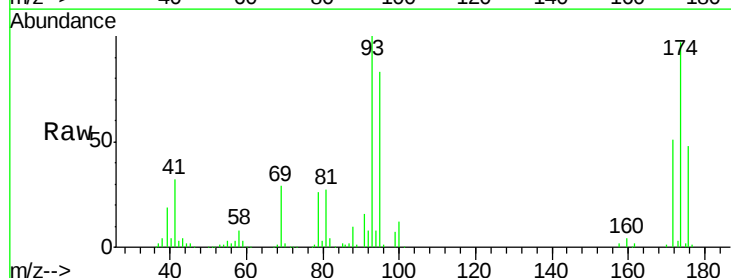
Tgt Ion: 93 Resp: 58234

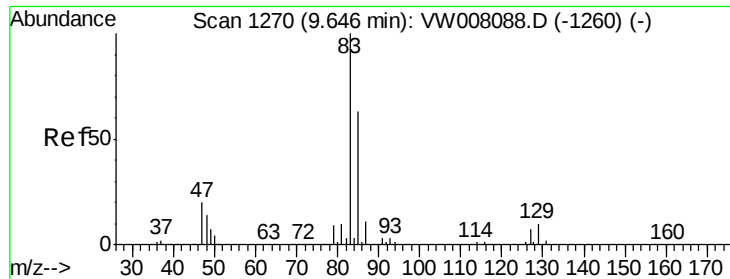
Ion Ratio Lower Upper

93 100

95 84.0 67.5 101.3

174 98.2 72.5 108.7





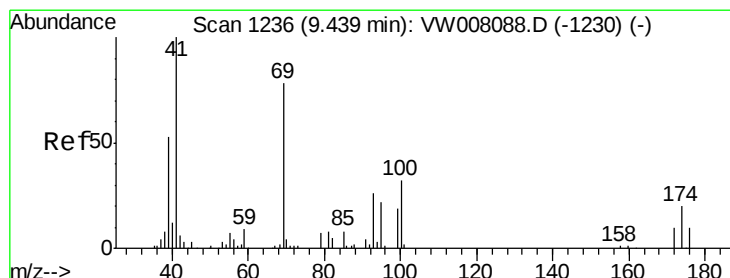
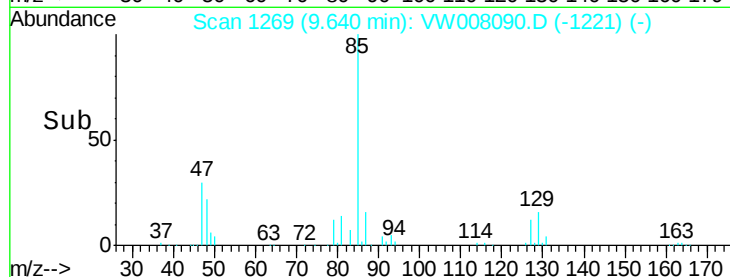
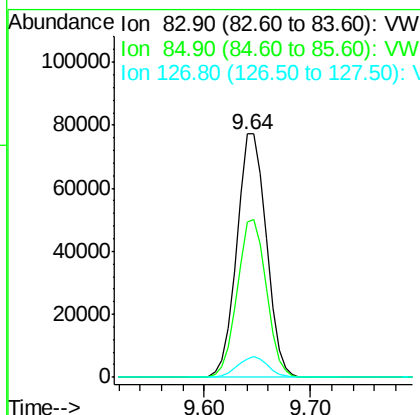
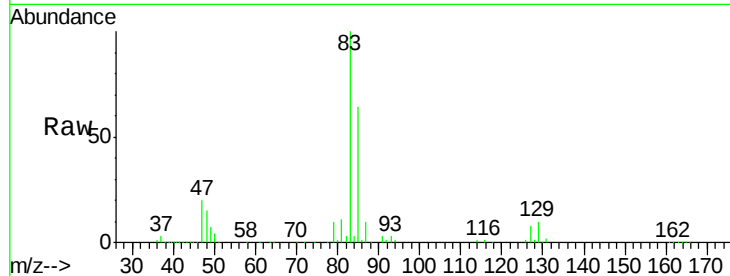
#47
 Bromodichloromethane
 Concen: 98.354 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	83	Resp	151115
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	50.7	76.1
127	7.7	6.0	9.0

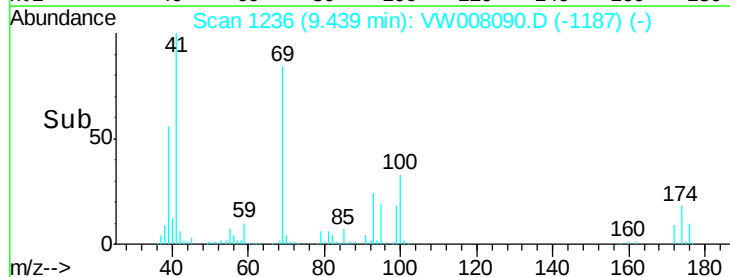
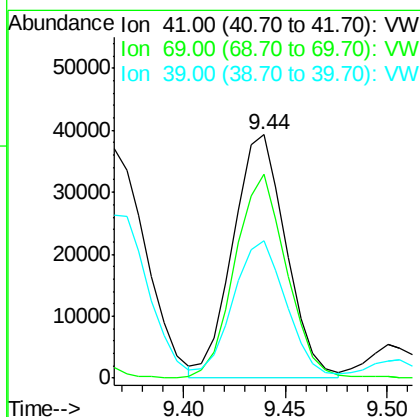
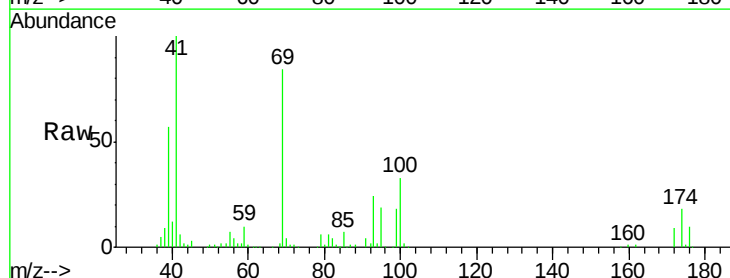
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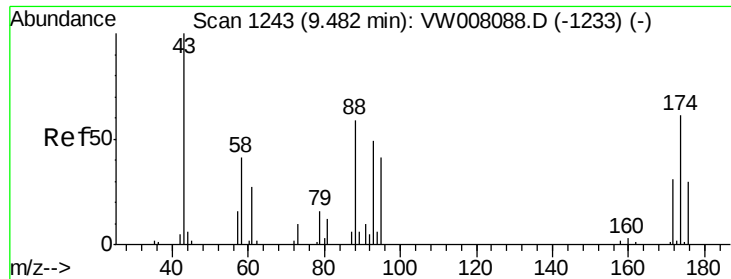
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#48
 Methyl methacrylate
 Concen: 134.106 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion	41	Resp	70898
Ion Ratio	100	Lower	Upper
41	100		
69	81.9	61.9	92.9
39	52.6	43.0	64.4





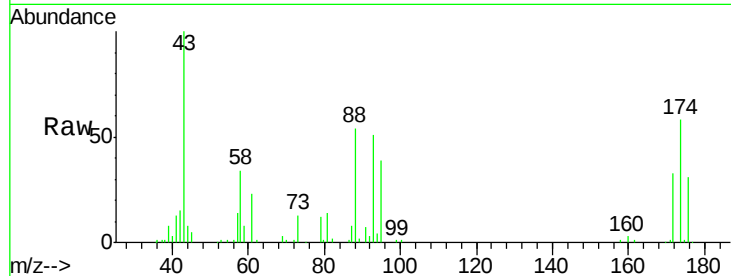
#49
1,4-Dioxane
Concen: 2287.652 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	582.2	0.0	0.0#
58	71.6	61.7	92.5

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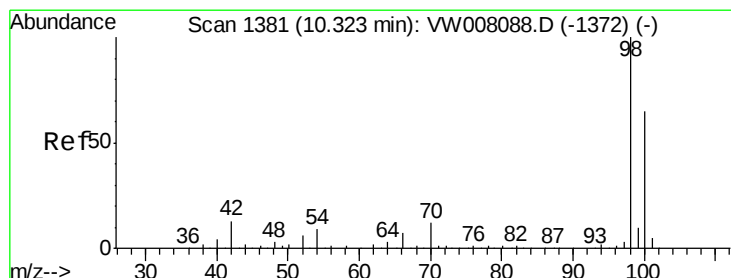
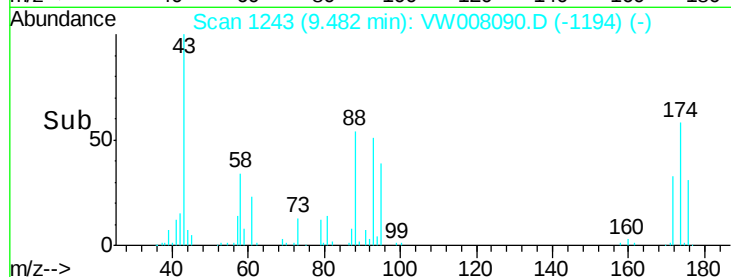
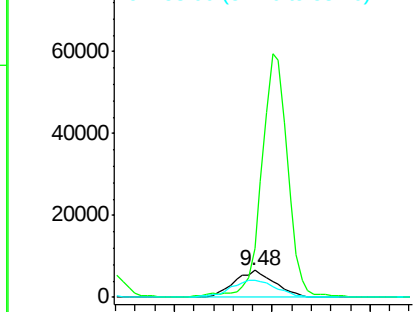


Abundance

Ion 88.00 (87.70 to 88.70): VW

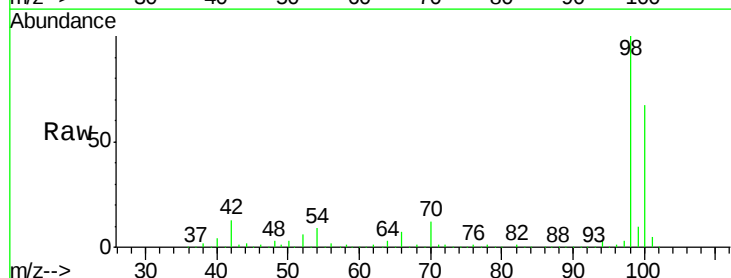
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 102.048 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

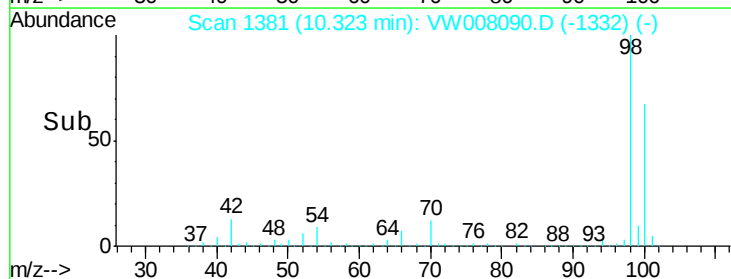
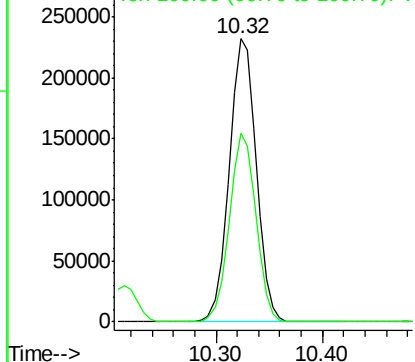
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.7	77.5

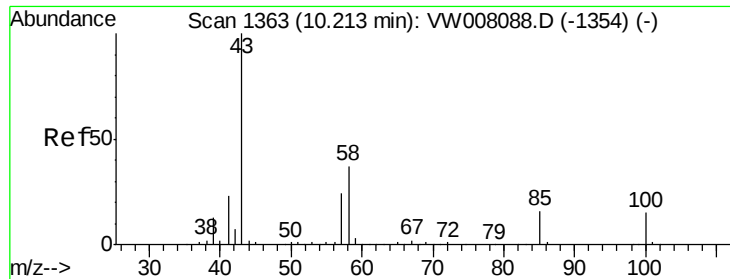


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 689.824 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 338843

Ion Ratio Lower Upper

43 100

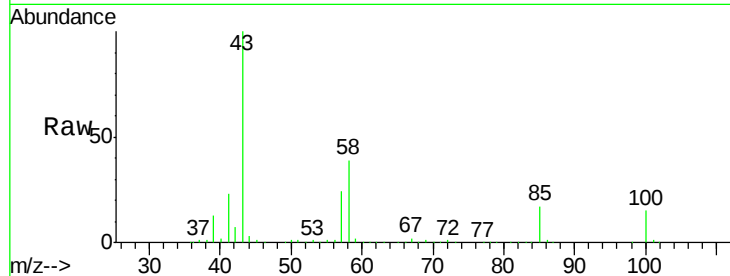
58 38.5 30.6 46.0

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

200000

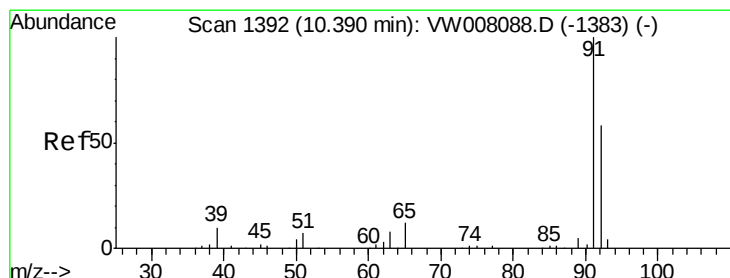
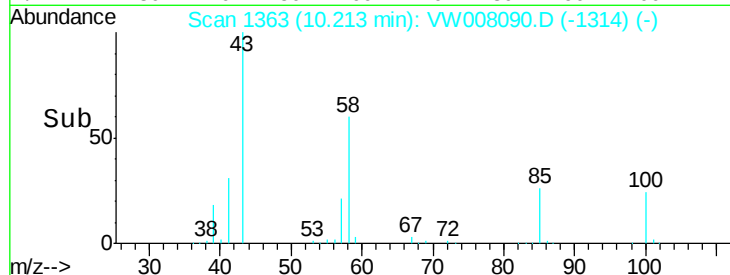
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 104.192 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008090.D

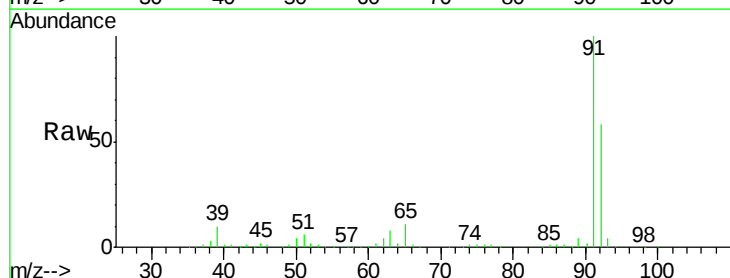
Acq: 08 Jan 2019 17:30

Tgt Ion: 92 Resp: 303245

Ion Ratio Lower Upper

92 100

91 172.2 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

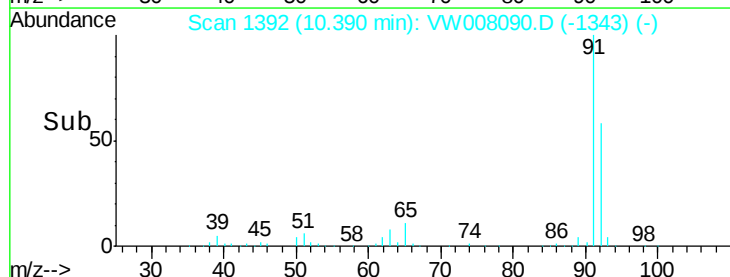
300000

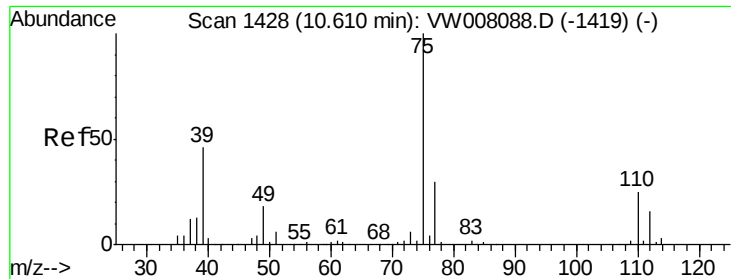
200000

100000

0

Time-->





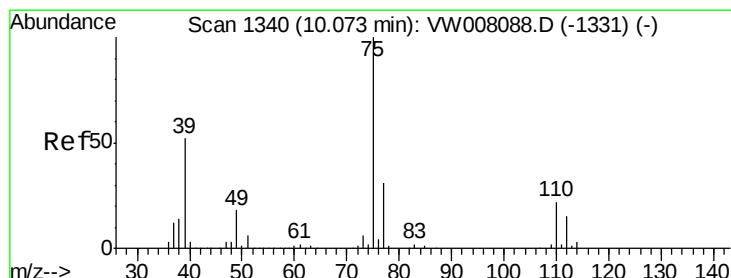
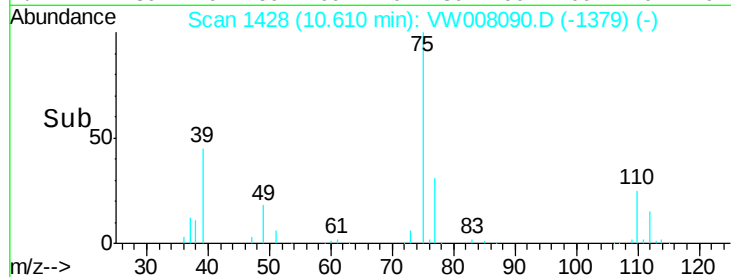
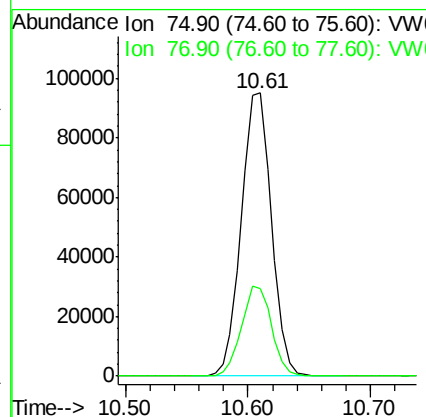
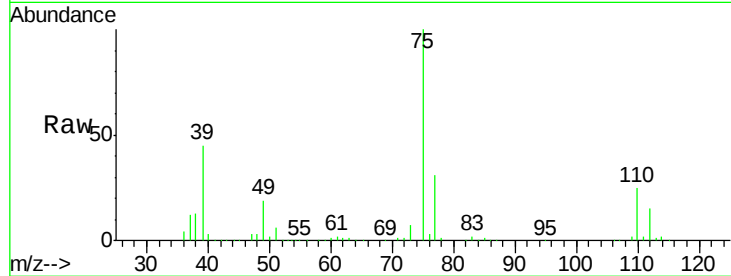
#53
 t-1,3-Dichloropropene
 Concen: 108.343 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.4	36.6

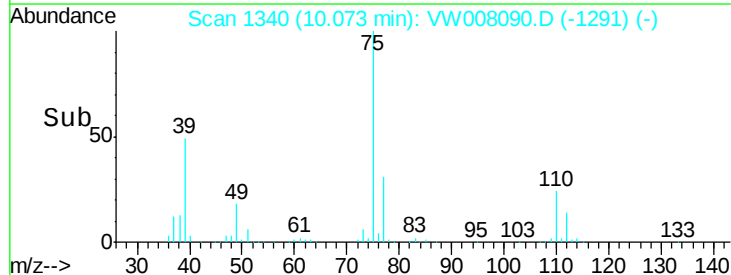
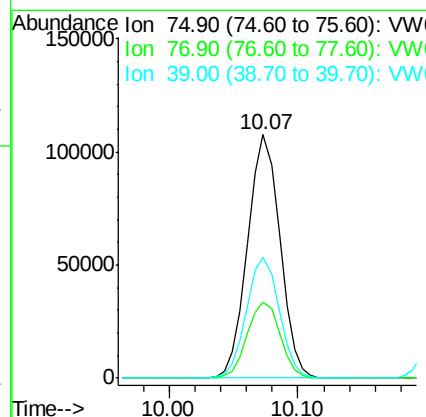
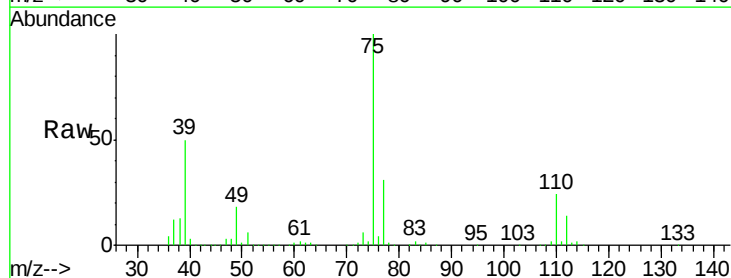
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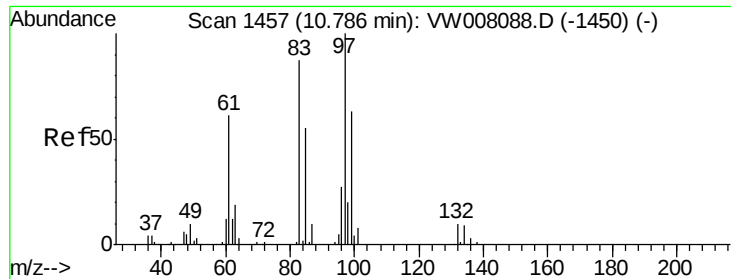
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#54
 cis-1,3-Dichloropropene
 Concen: 110.939 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	49.7	41.4	62.0





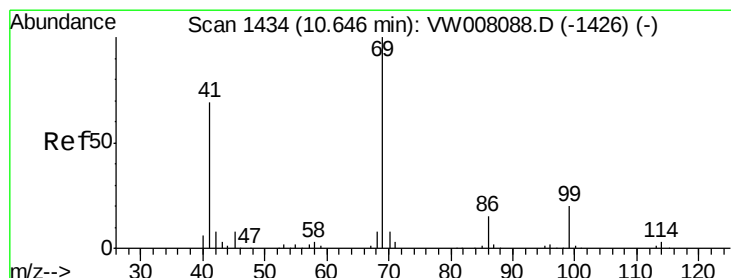
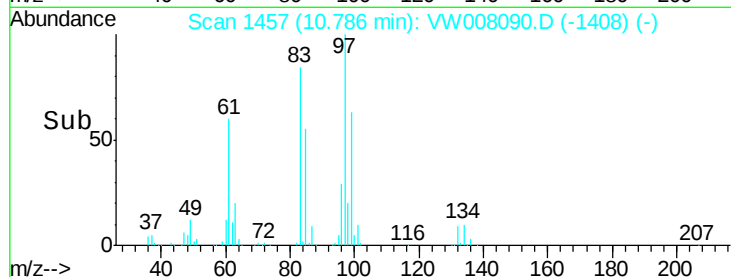
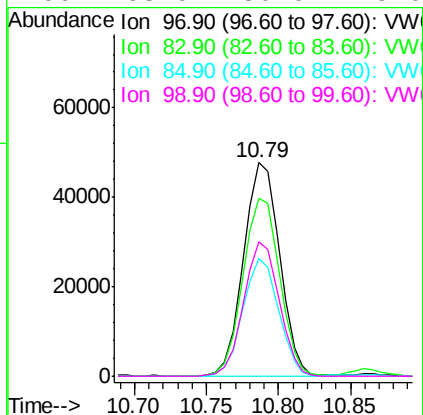
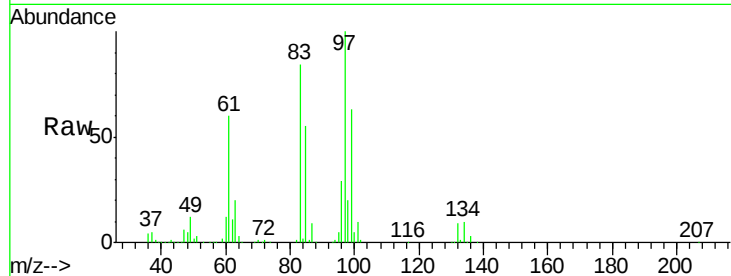
#55
 1,1,2-Trichloroethane
 Concen: 110.567 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	83078
Ion	Ratio	Lower	Upper
97	100		
83	83.6	69.3	103.9
85	55.3	43.8	65.6
99	63.0	50.0	75.0

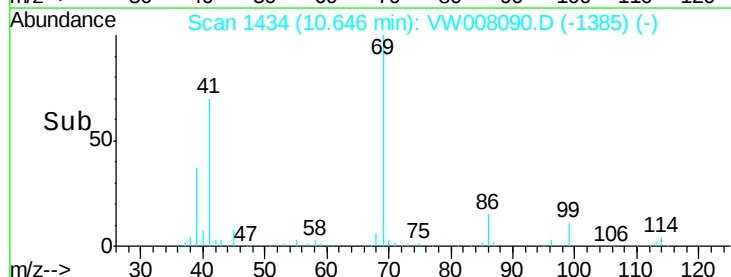
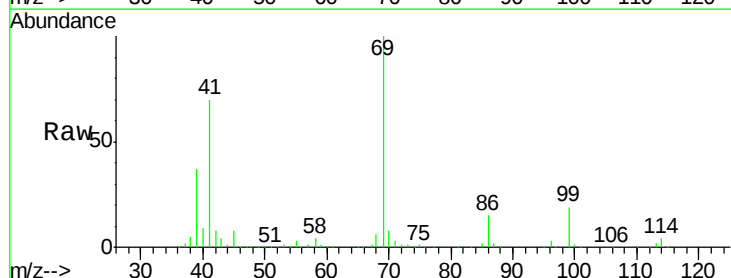
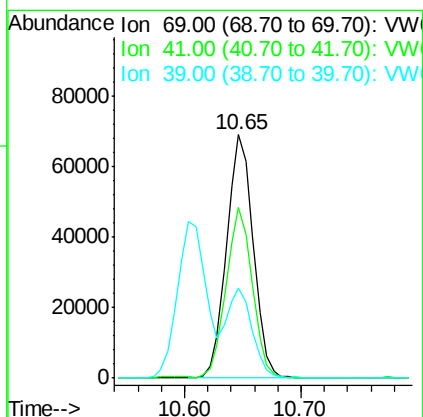
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#56
 Ethyl methacrylate
 Concen: 126.107 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion:	69	Resp:	109906
Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.4	84.6
39	35.0	28.1	42.1





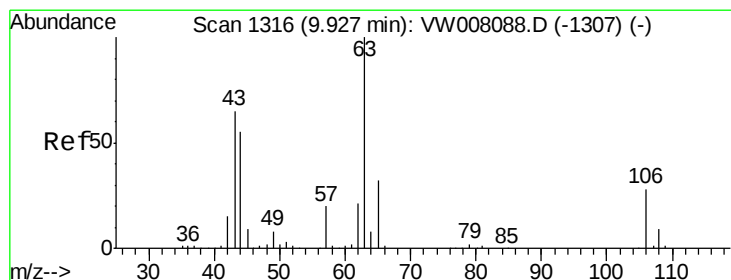
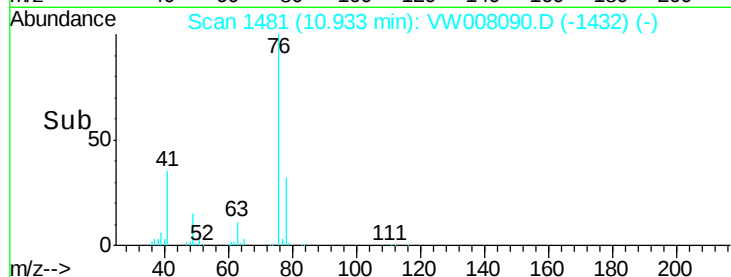
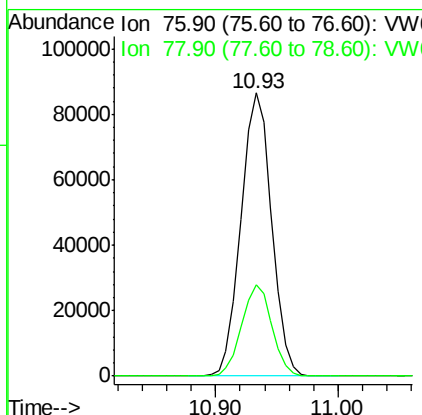
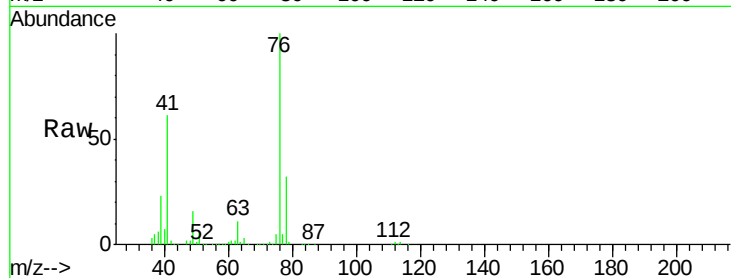
#57
 1,3-Dichloropropane
 Concen: 115.084 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion: 76 Resp: 150126
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

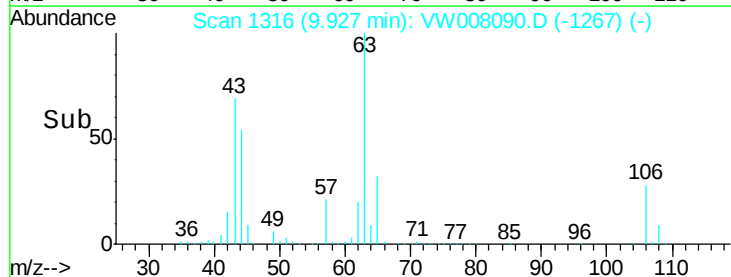
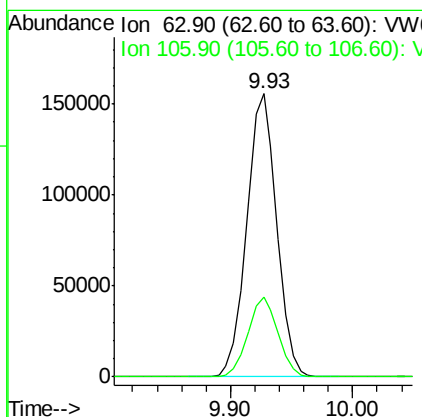
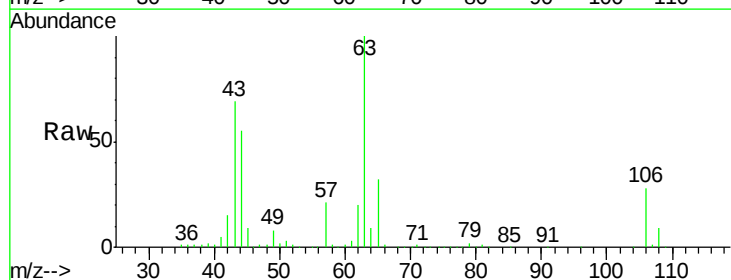
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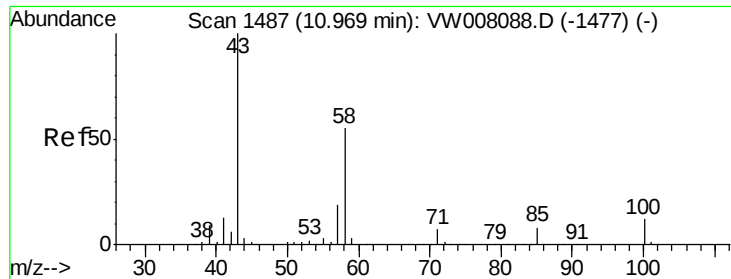
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#58
 2-Chloroethyl Vinyl ether
 Concen: 622.054 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion: 63 Resp: 264727
 Ion Ratio Lower Upper
 63 100
 106 28.4 21.8 32.6





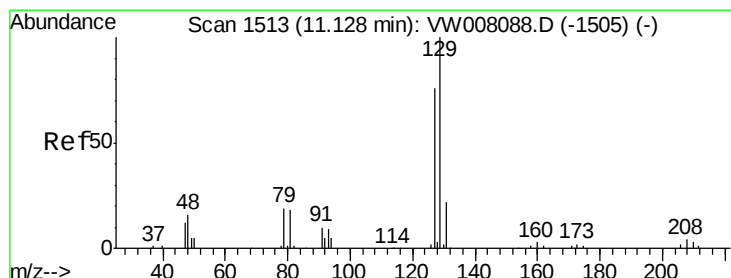
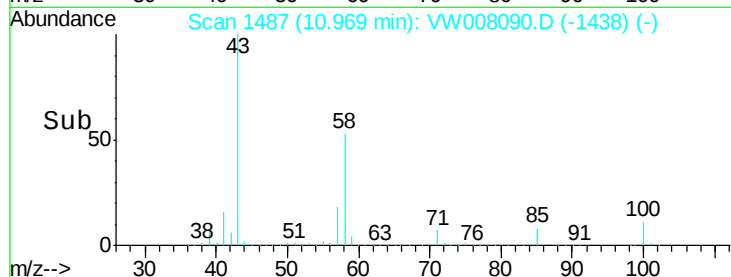
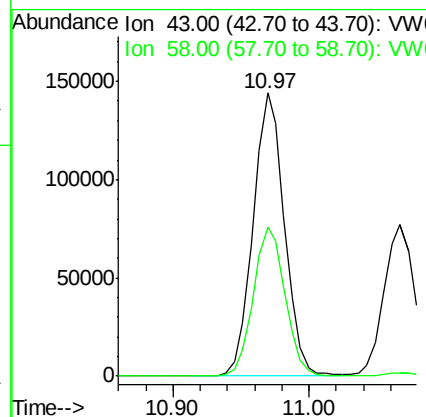
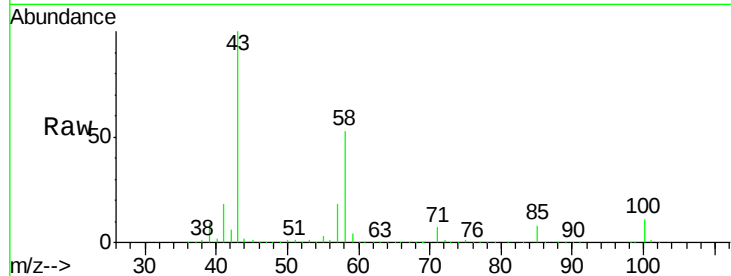
#59
2-Hexanone
Concen: 687.660 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 232446
Ion Ratio Lower Upper
43 100
58 53.5 27.2 81.5

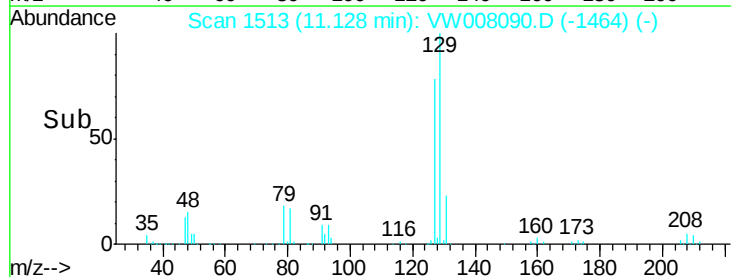
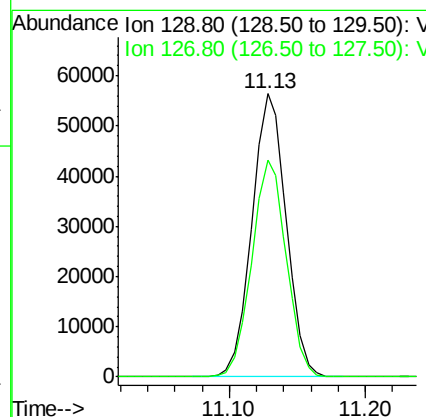
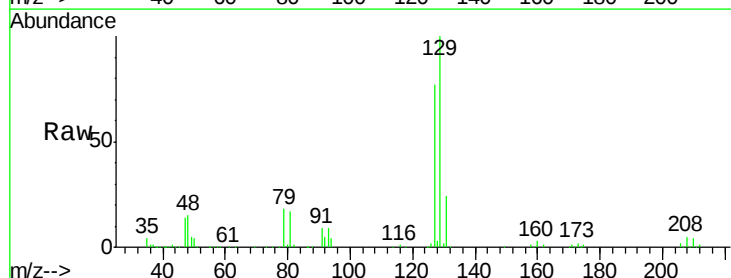
Manual Integrations
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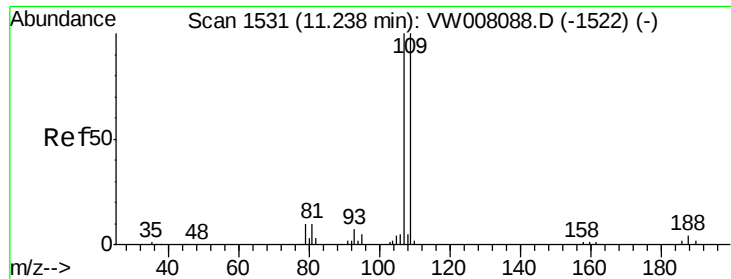
MMDadoda
1/9/2019 11:08:05 AM



#60
Dibromochloromethane
Concen: 99.015 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion: 129 Resp: 99504
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 108.353 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:107 Resp: 81515

Ion Ratio Lower Upper

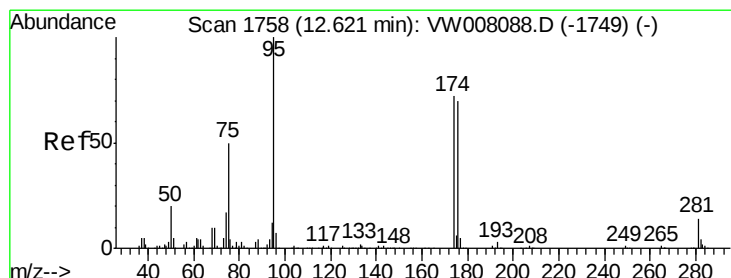
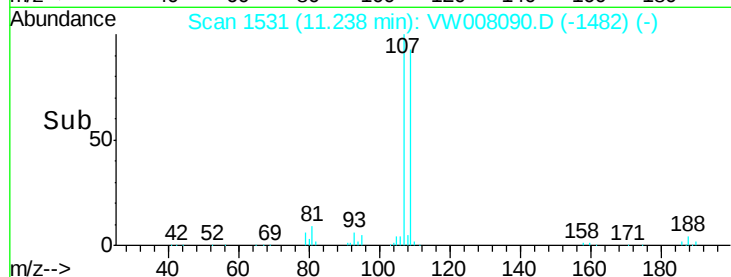
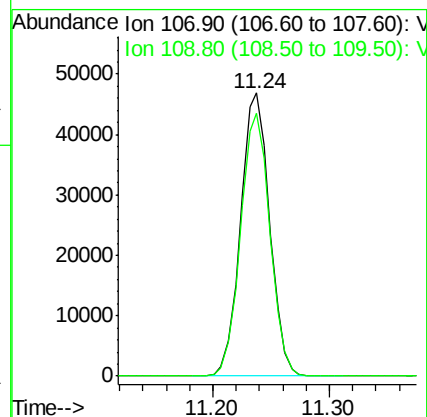
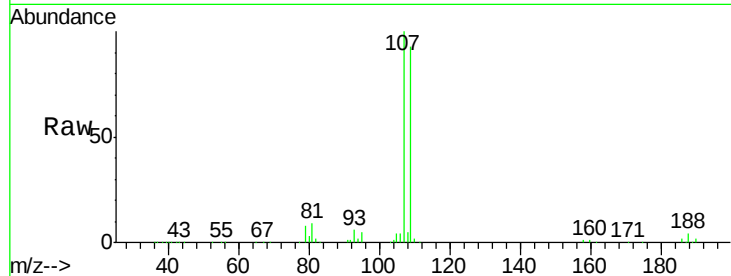
107 100

109 93.8 75.9 113.9

Manual Integrations
APPROVED

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1/9/2019 11:08:05 AM



#62

4-Bromofluorobenzene

Concen: 93.089 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

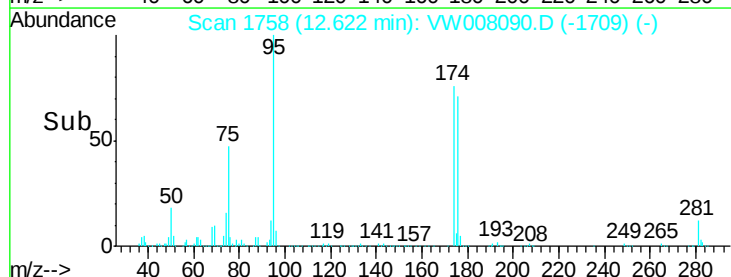
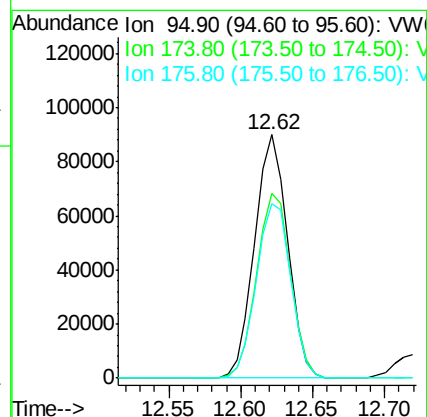
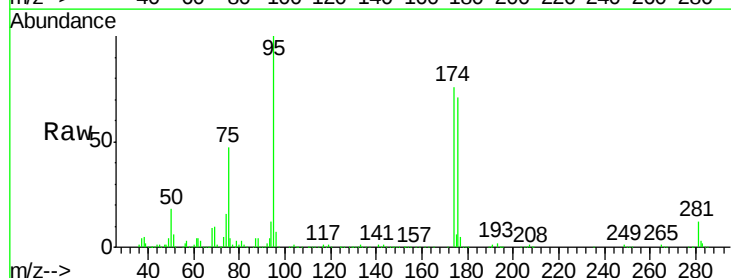
Tgt Ion: 95 Resp: 142410

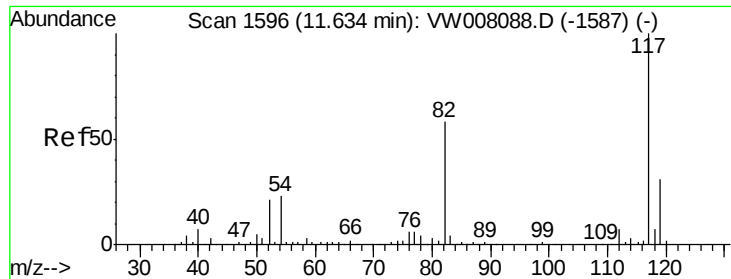
Ion Ratio Lower Upper

95 100

174 78.2 0.0 143.0

176 74.8 0.0 140.2





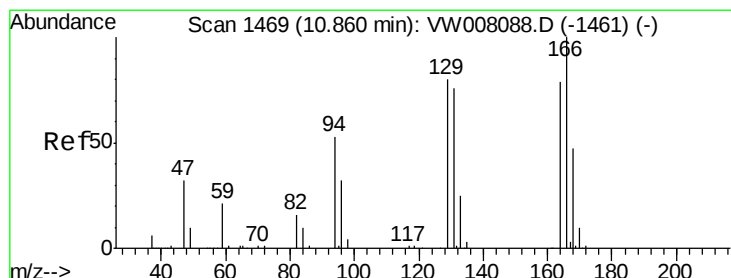
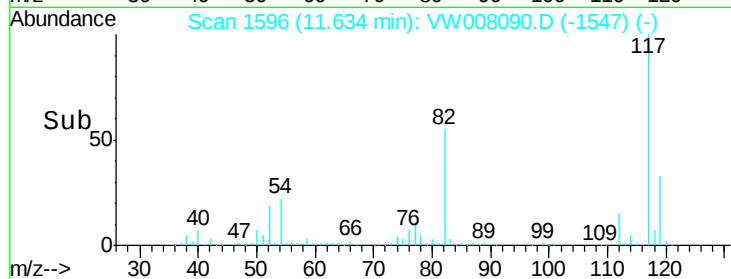
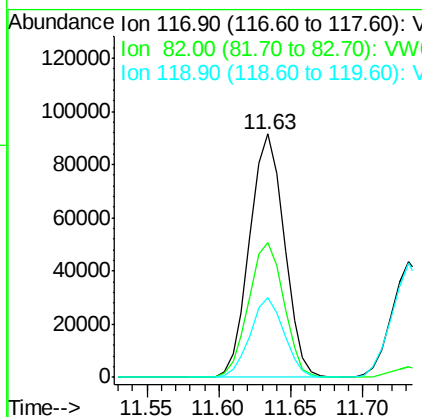
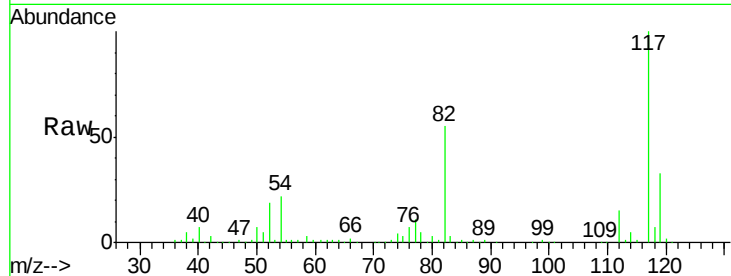
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.4	69.6
119	32.5	24.7	37.1

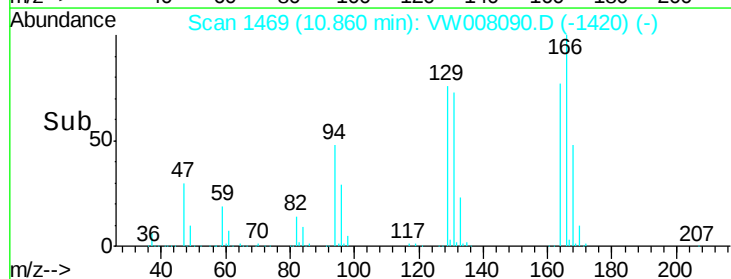
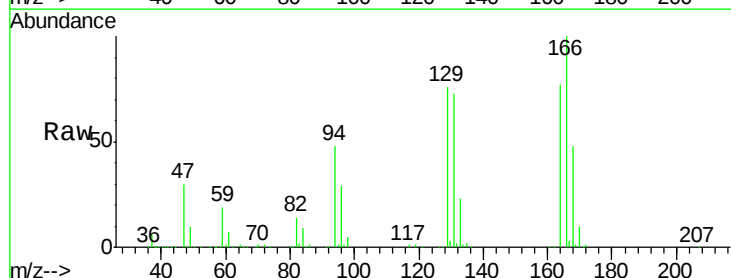
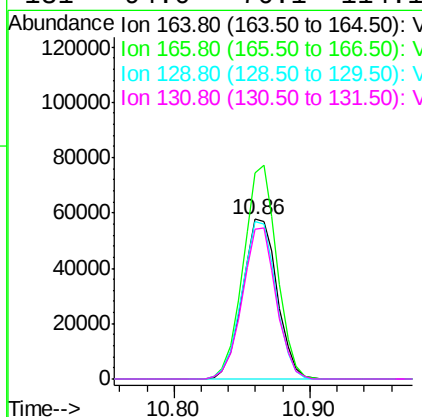
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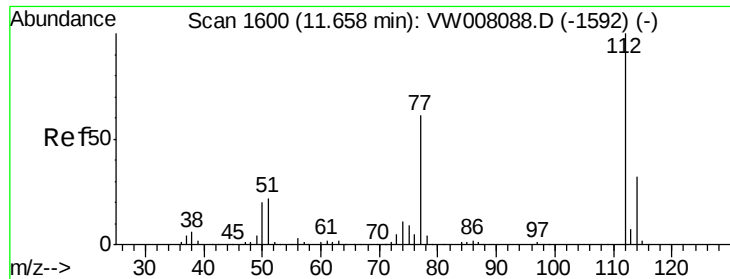
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#64
Tetrachloroethene
Concen: 101.223 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.7	151.1
129	98.2	81.0	121.4
131	94.0	76.1	114.1





#65

Chlorobenzene

Concen: 102.017 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 326121

Ion Ratio Lower Upper

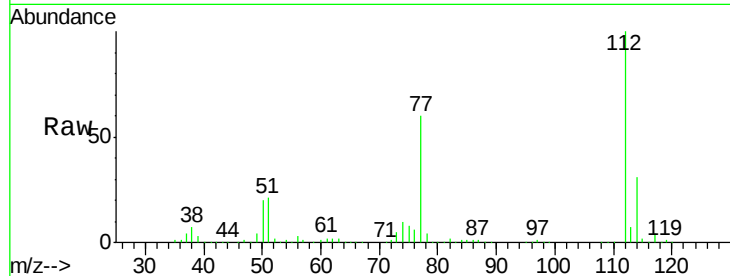
112 100

114 31.3 25.6 38.4

Manual Integrations
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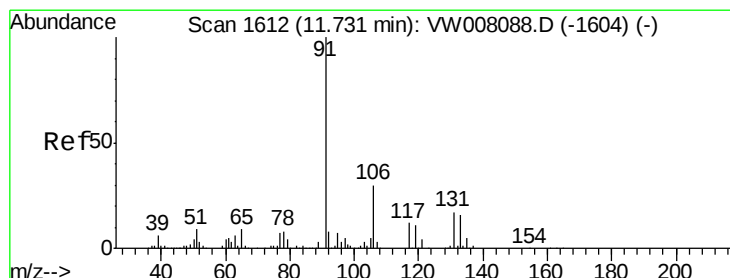
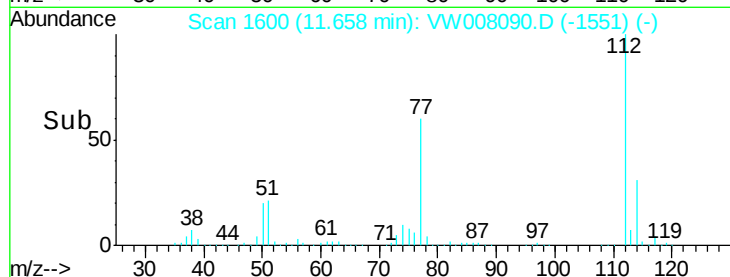
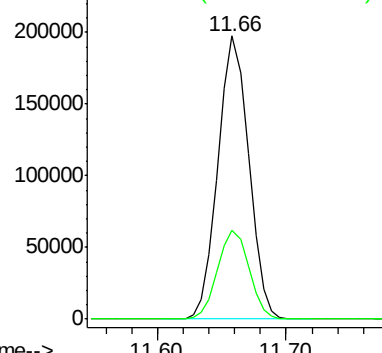
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 96.217 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

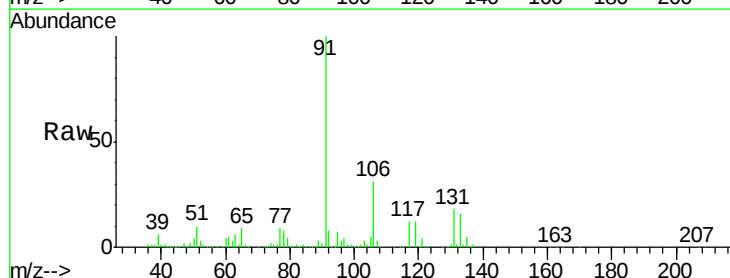
Tgt Ion:131 Resp: 109927

Ion Ratio Lower Upper

131 100

133 94.7 47.9 143.7

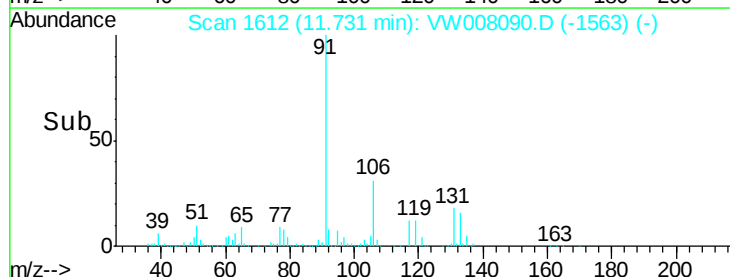
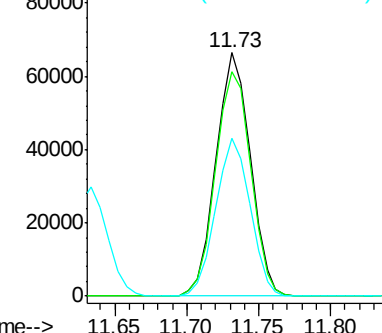
119 64.8 32.5 97.4

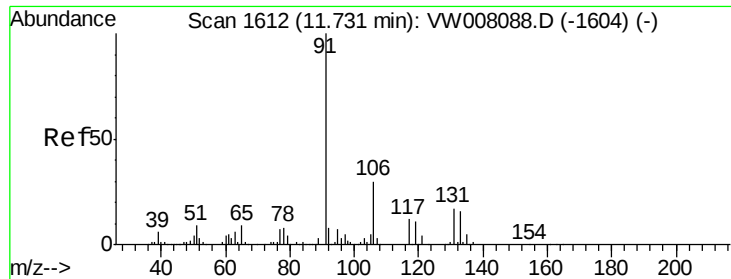


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





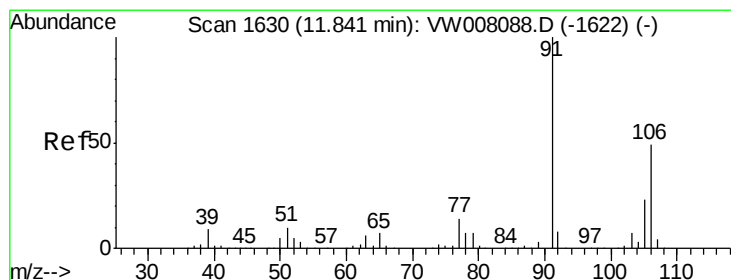
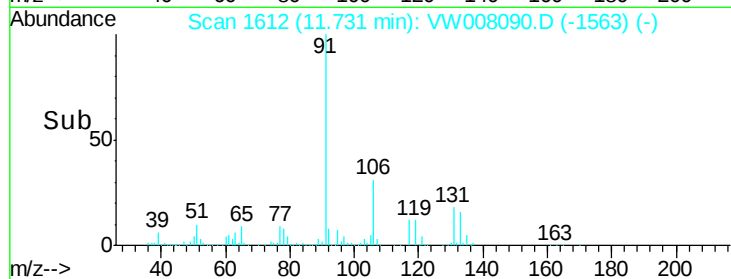
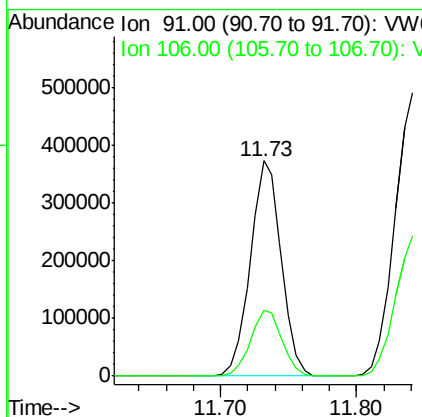
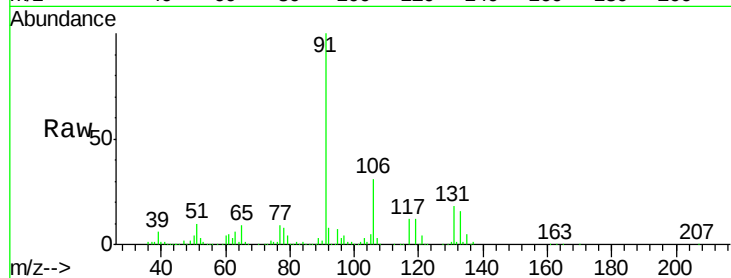
#67
Ethyl Benzene
Concen: 103.629 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 592129
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.4

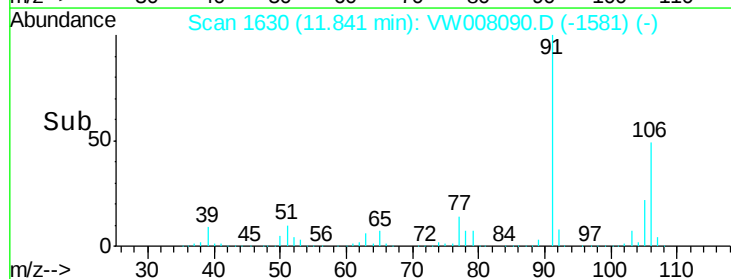
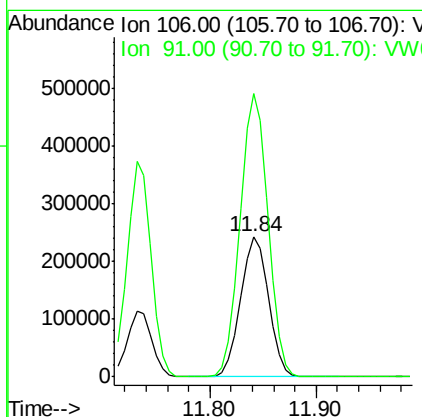
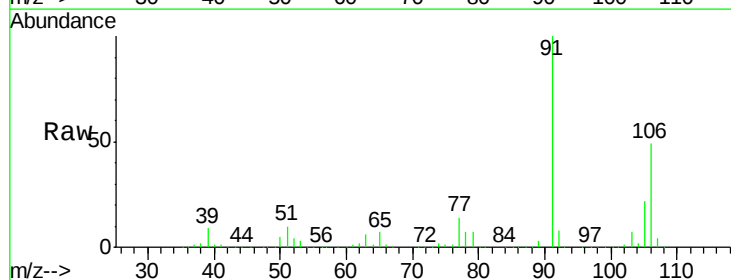
Manual Integrations
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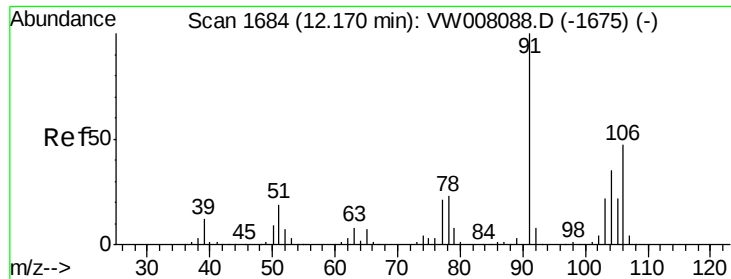
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#68
m/p-Xylenes
Concen: 202.543 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion: 106 Resp: 446280
Ion Ratio Lower Upper
106 100
91 202.2 162.4 243.6





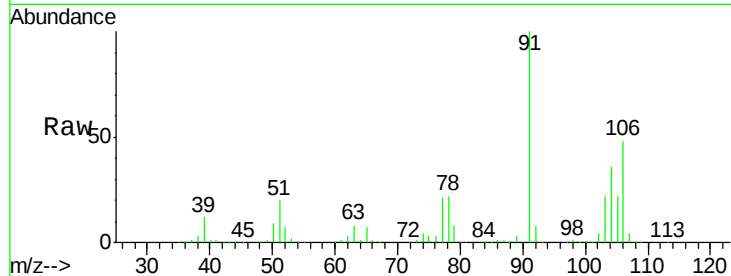
#69
o-Xylene
Concen: 103.707 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

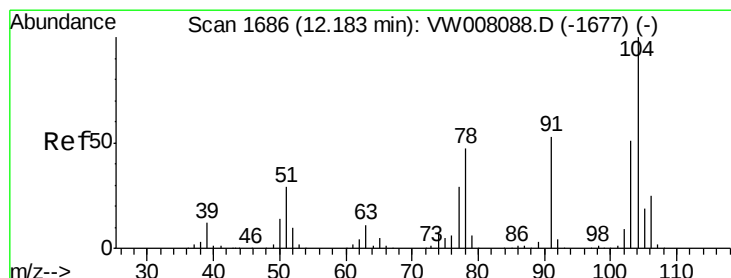
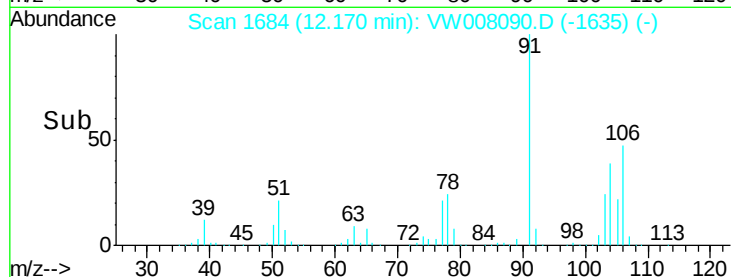
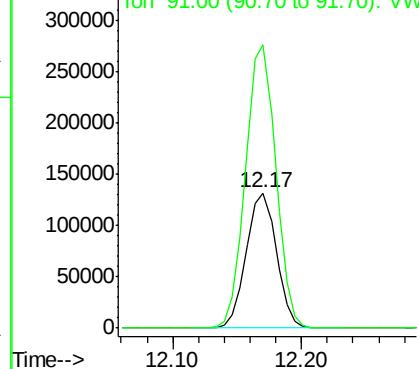
Tot Ion:106 Resp: 212528
Ion Ratio Lower Upper
106 100
91 210.8 107.8 323.6

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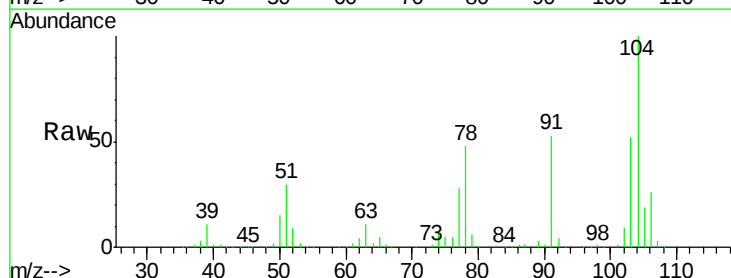


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

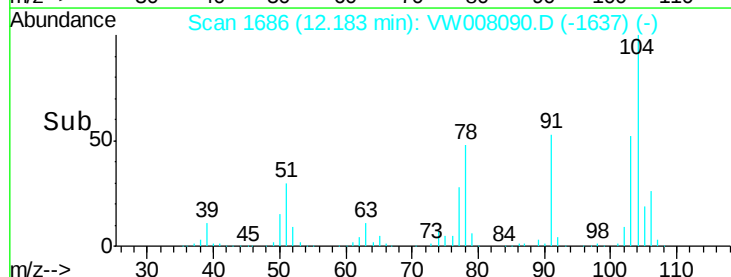
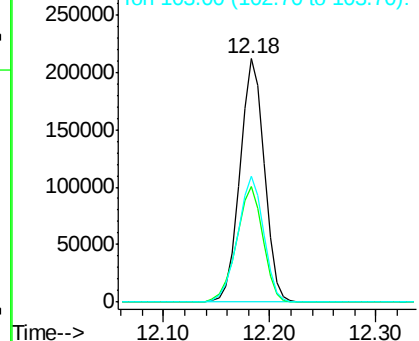


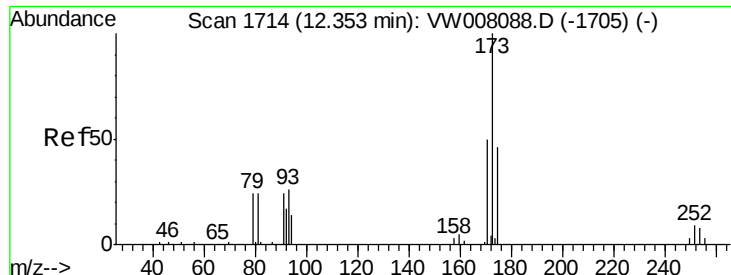
#70
Styrene
Concen: 102.242 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion:104 Resp: 340649
Ion Ratio Lower Upper
104 100
78 51.2 41.8 62.8
103 55.0 43.8 65.8



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





#71

Bromoform

Concen: 102.466 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

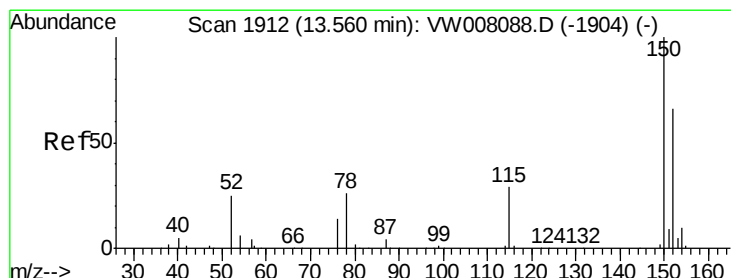
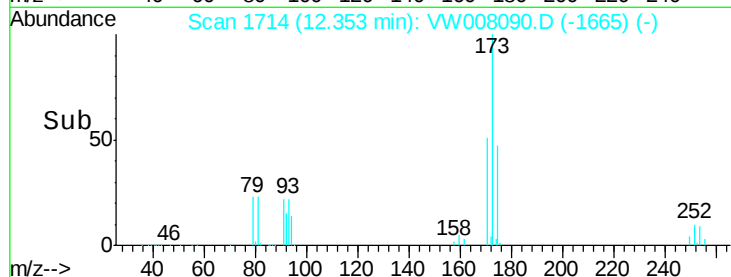
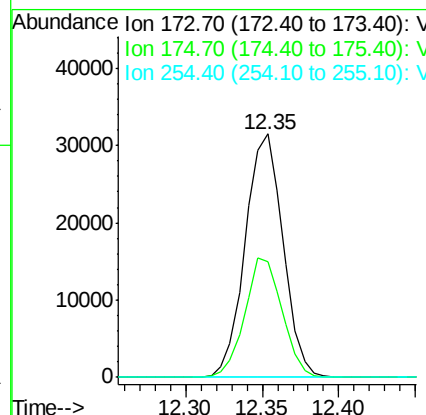
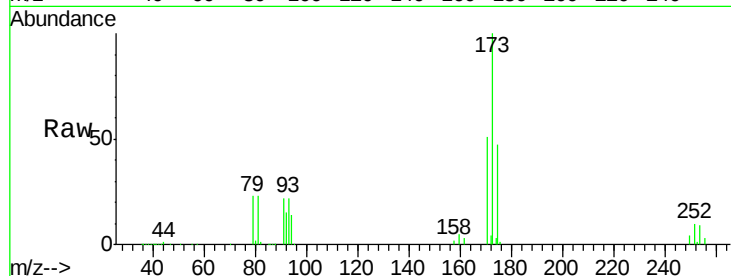
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.3	69.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

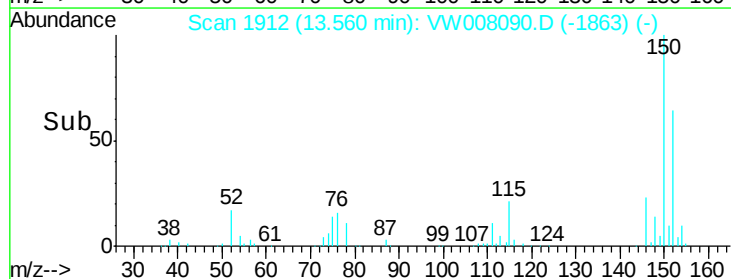
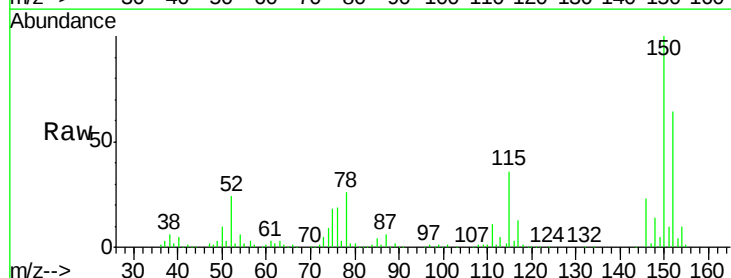
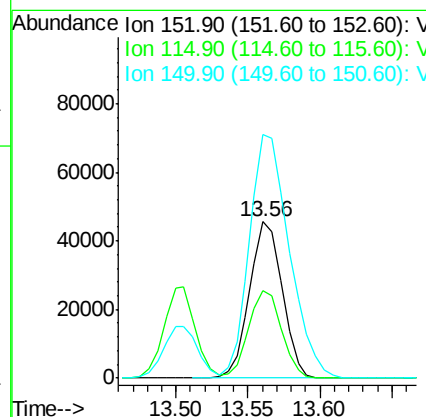
RT: 13.56 min Scan# 1912

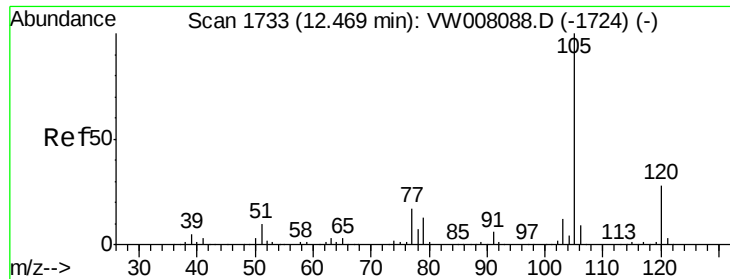
Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	30.8	92.4
150	190.0	0.0	350.2





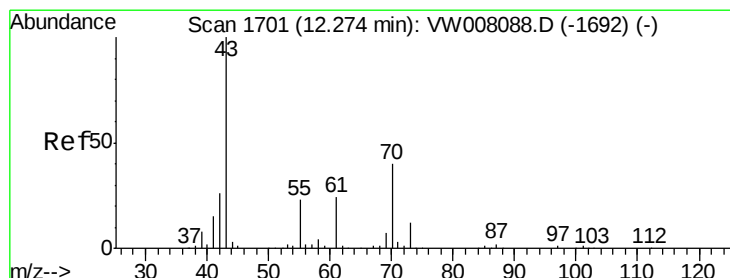
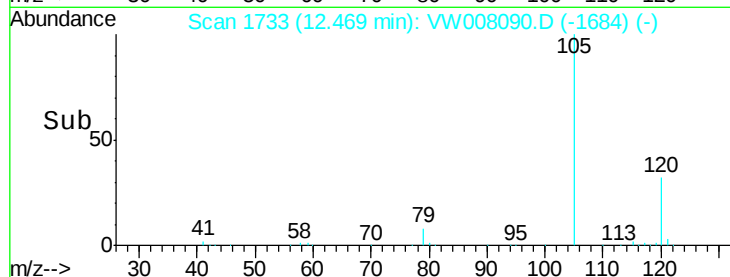
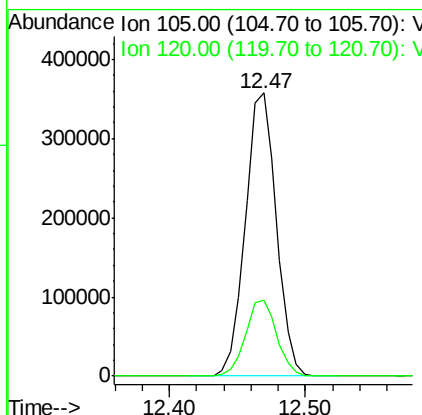
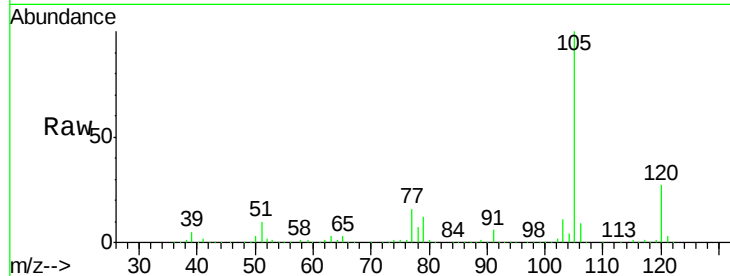
#73
Isopropylbenzene
Concen: 101.844 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 105 Resp: 570910
Ion Ratio Lower Upper
105 100
120 26.8 13.6 40.8

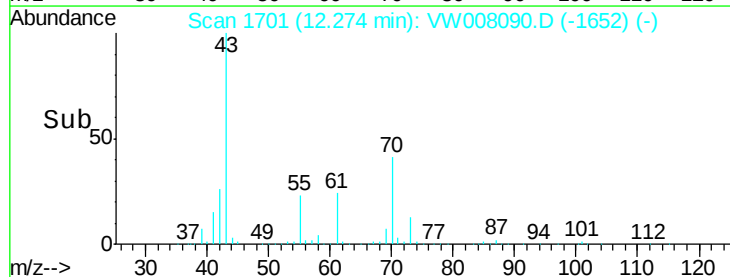
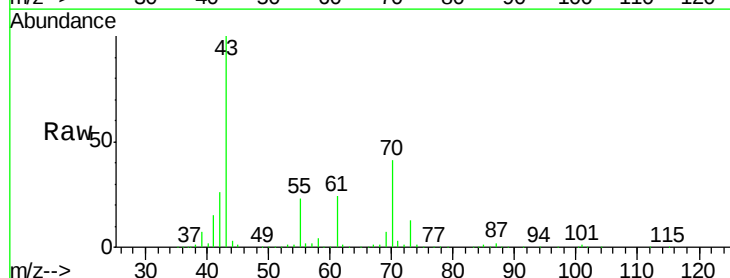
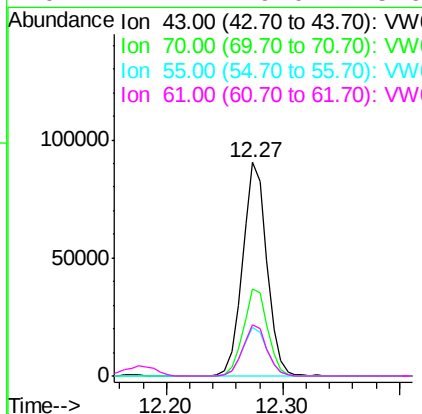
Manual Integrations
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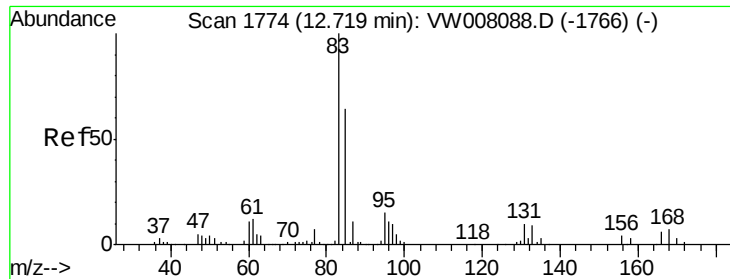
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#74
N-ethyl acetate
Concen: 140.552 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion: 43 Resp: 131076
Ion Ratio Lower Upper
43 100
70 41.5 32.4 48.6
55 23.1 18.7 28.1
61 24.1 19.0 28.6





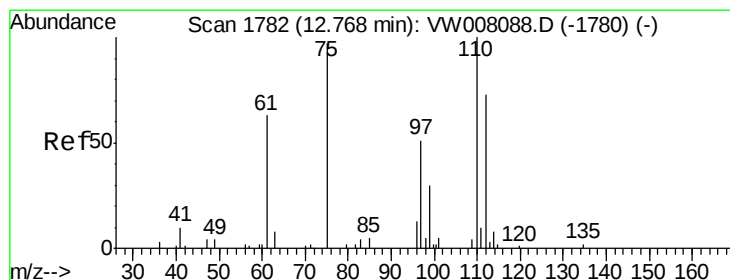
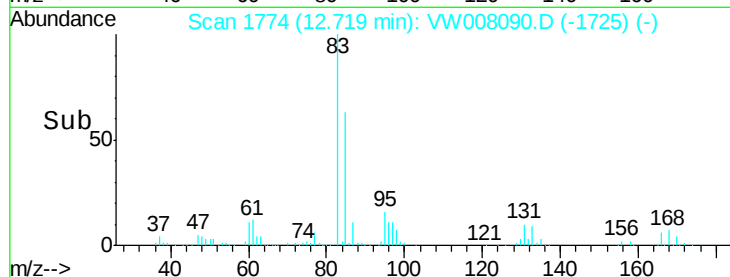
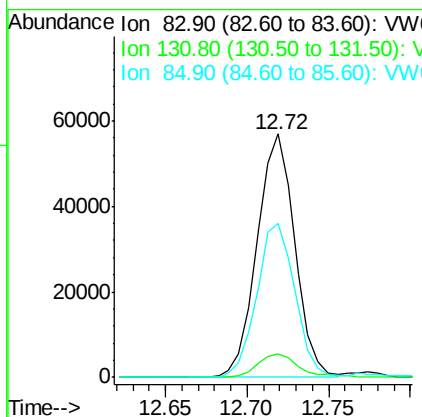
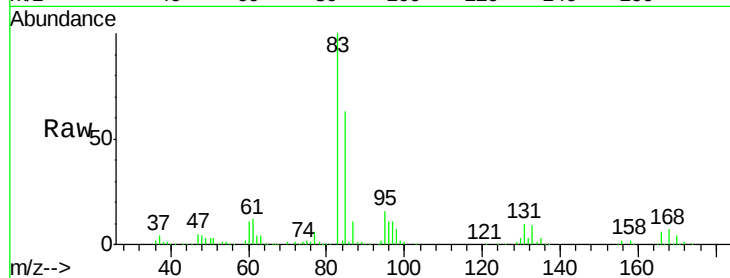
#75
 1,1,2,2-Tetrachloroethane
 Concen: 123.971 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	83	Resp	91677
Ion Ratio	100	Lower	Upper
83	100		
131	10.6	5.3	16.1
85	64.1	32.4	97.2

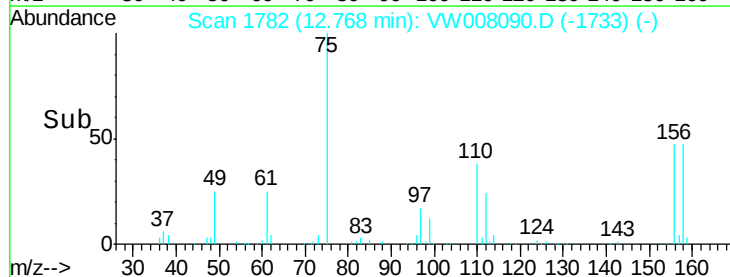
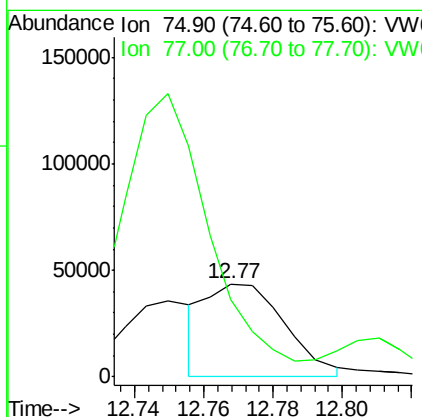
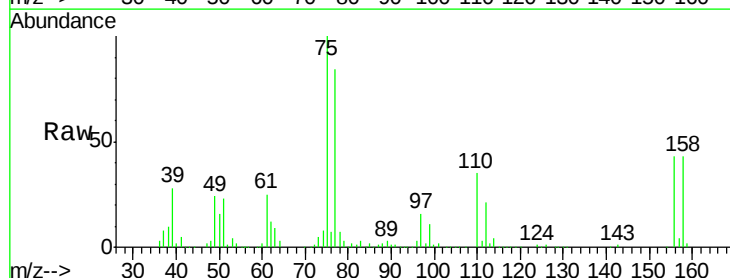
Manual Integrations
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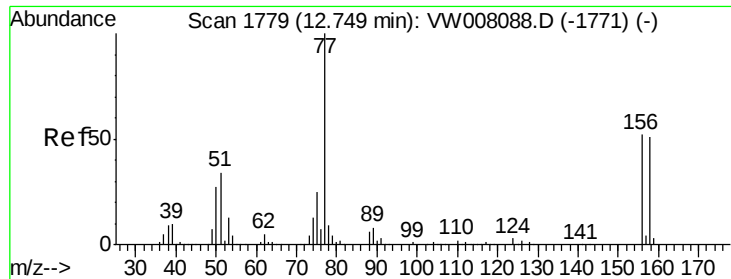
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 119.814 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion	75	Resp	68942
Ion Ratio	100	Lower	Upper
75	100		
77	345.3	179.4	538.2





#77

Bromobenzene

Concen: 105.108 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

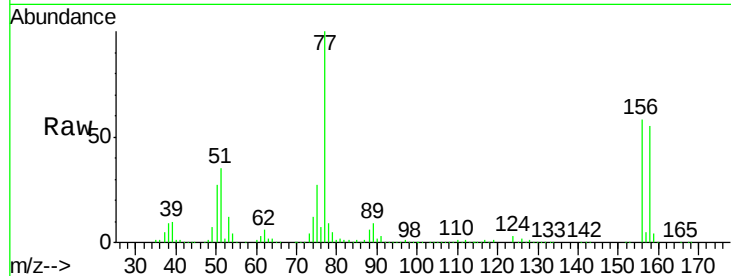
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.6	104.2	312.5
158	95.9	47.9	143.6

Manual Integrations
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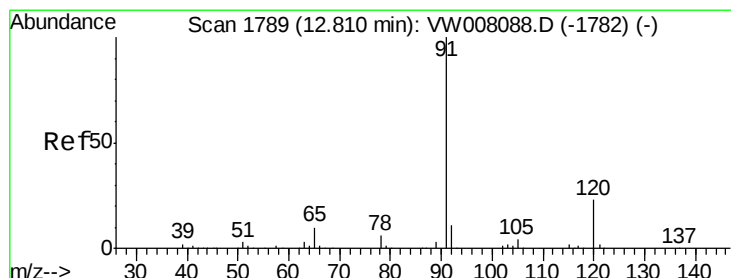
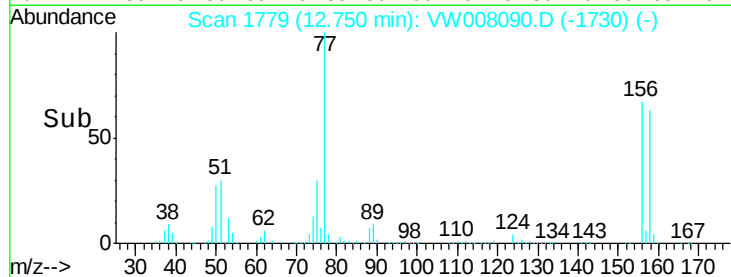
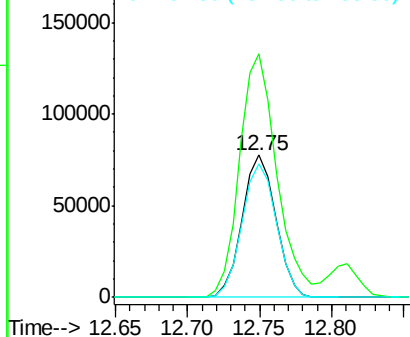
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 104.326 ug/l

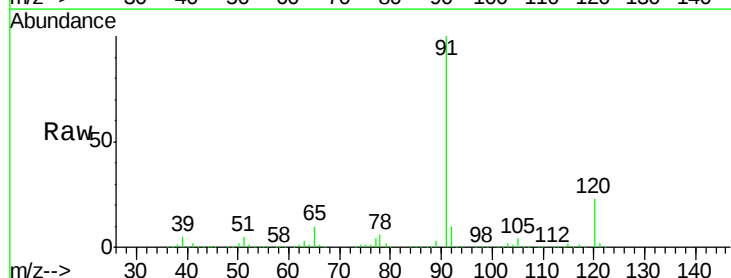
RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008090.D

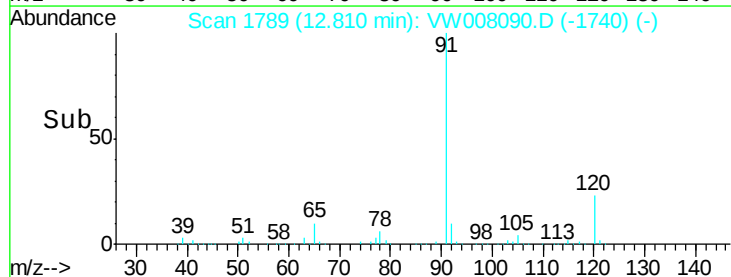
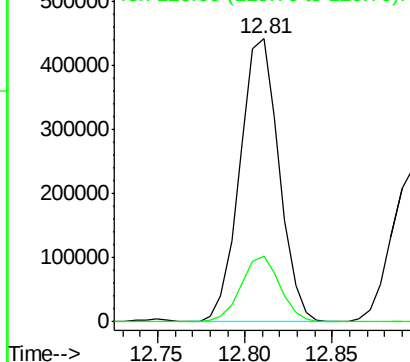
Acq: 08 Jan 2019 17:30

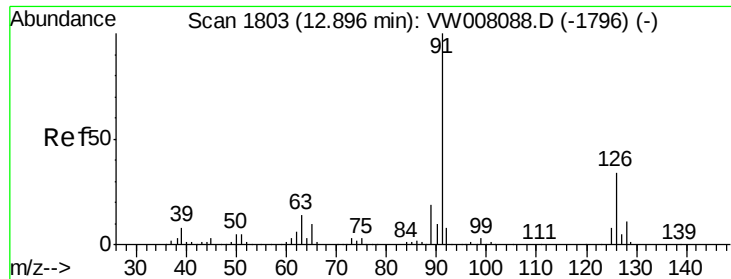
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.064 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 381248

Ion Ratio Lower Upper

91 100

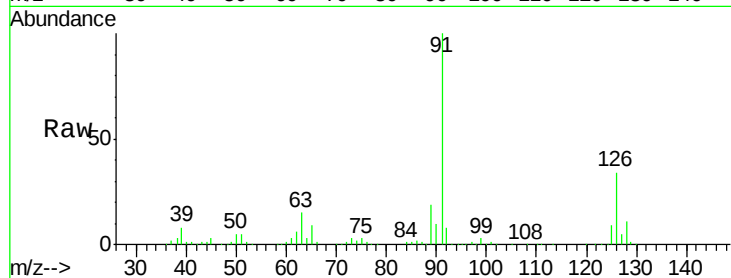
126 33.9 16.8 50.3

Manual Integrations

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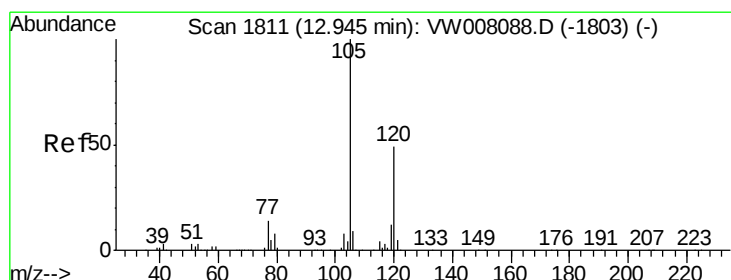
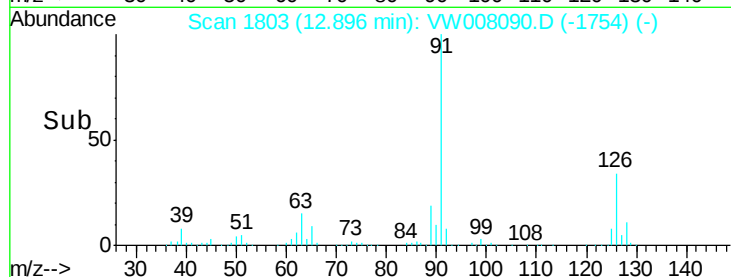
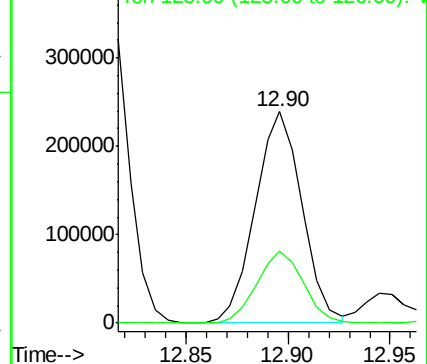
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 97.519 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008090.D

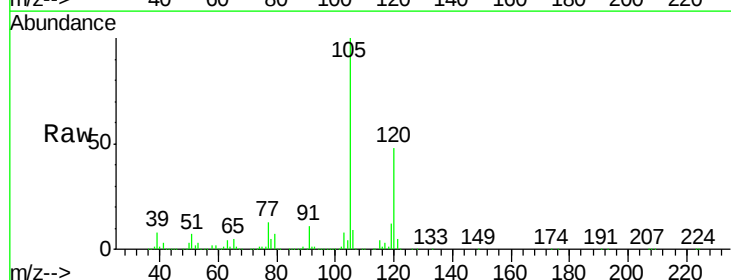
Acq: 08 Jan 2019 17:30

Tgt Ion:105 Resp: 467205

Ion Ratio Lower Upper

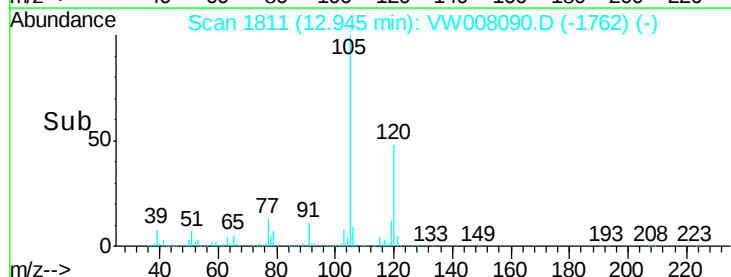
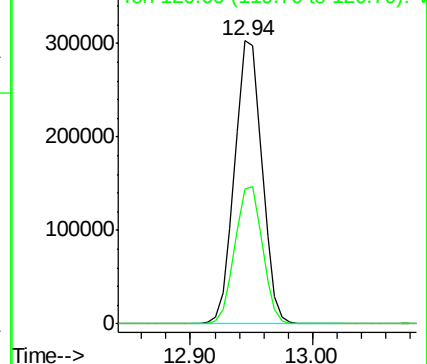
105 100

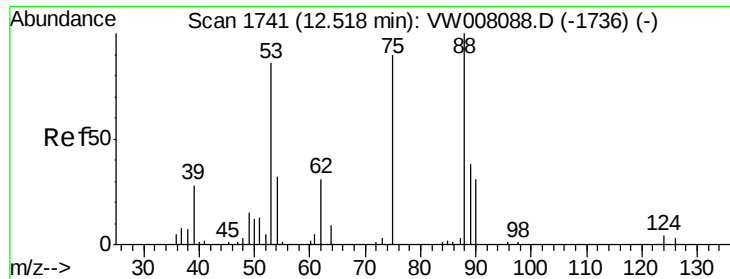
120 49.0 24.7 74.1



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: 126.016 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 30864

Ion Ratio Lower Upper

75 100

53 95.5 78.8 118.2

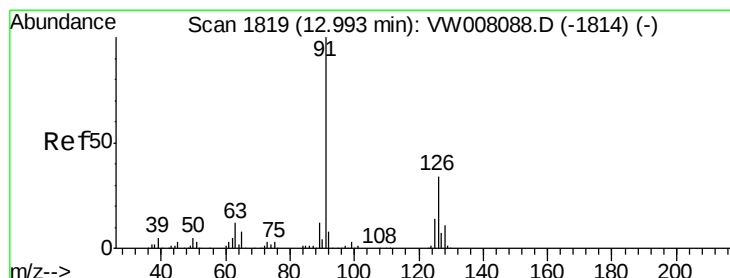
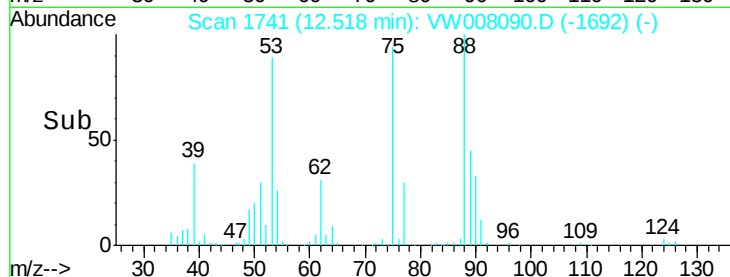
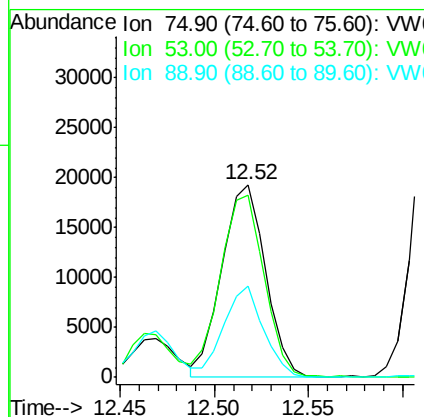
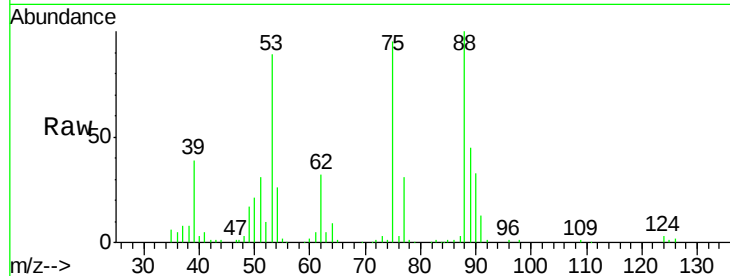
89 43.7 35.4 53.2

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#82

4-Chlorotoluene

Concen: 99.376 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008090.D

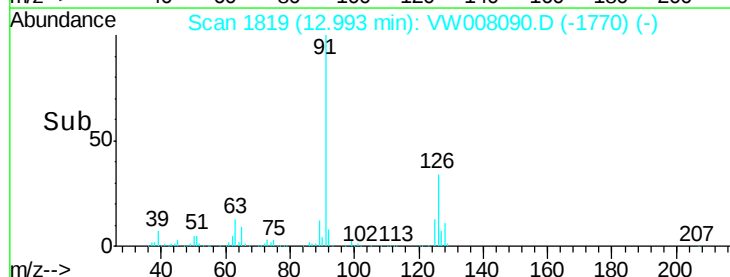
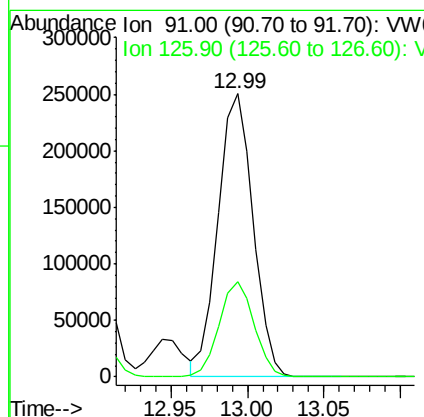
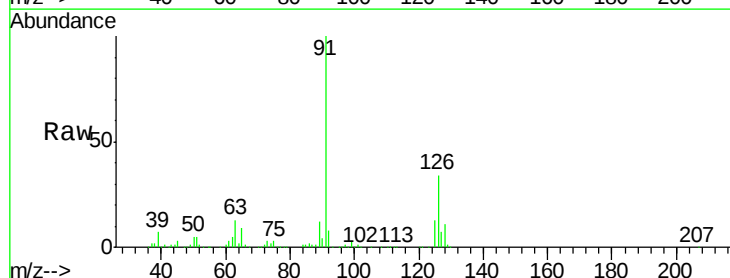
Acq: 08 Jan 2019 17:30

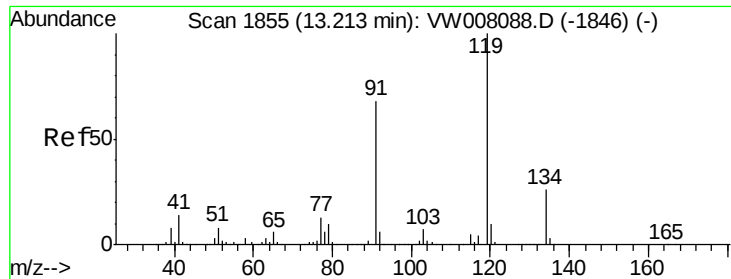
Tgt Ion: 91 Resp: 398327

Ion Ratio Lower Upper

91 100

126 33.6 16.5 49.5





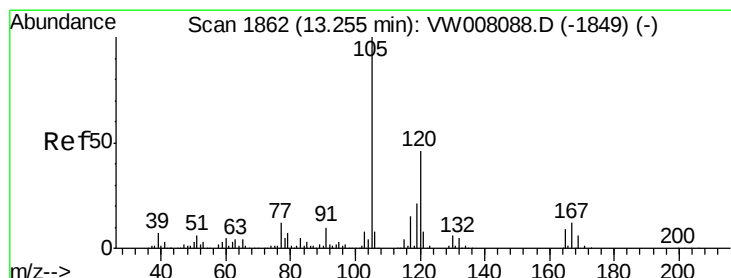
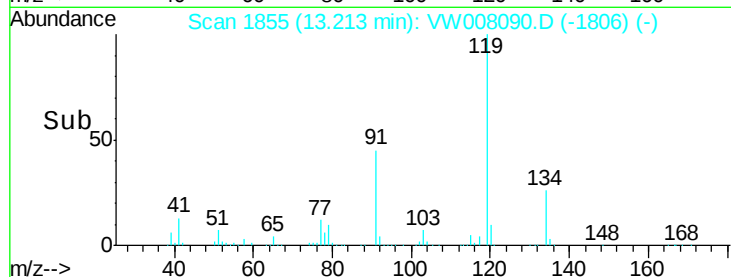
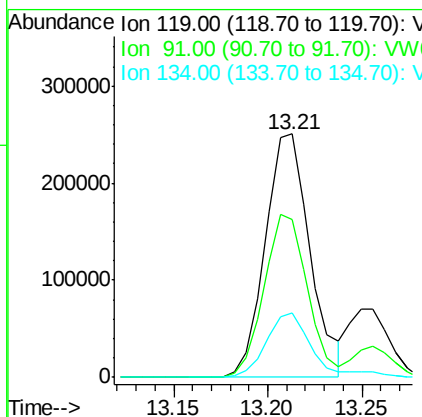
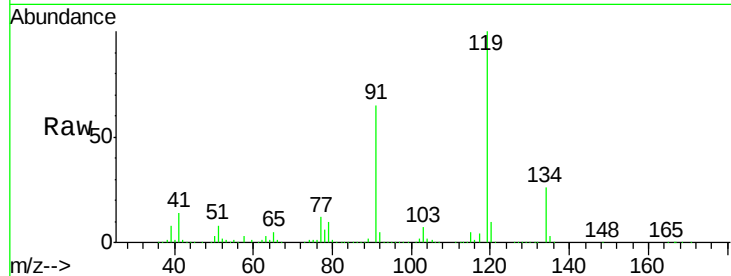
#83
tert-Butylbenzene
Concen: 98.481 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	33.9	101.6
134	27.2	13.6	40.8

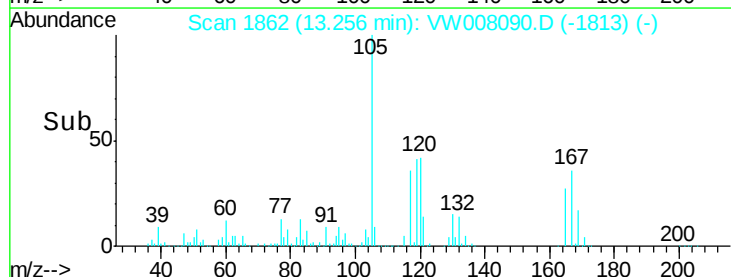
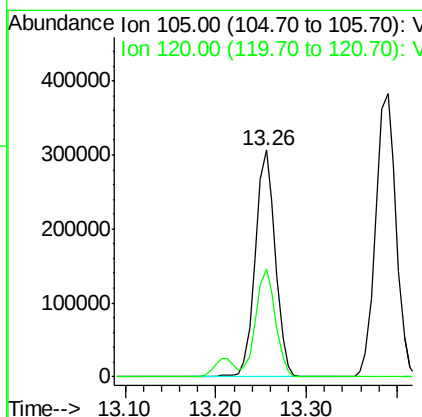
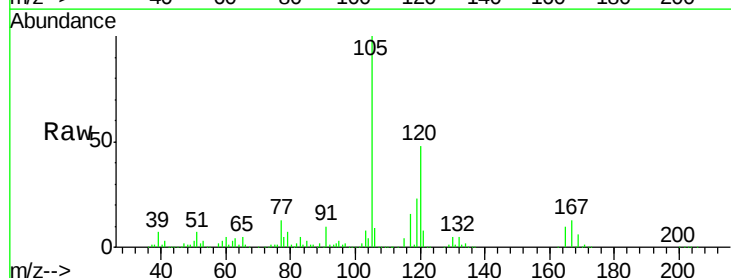
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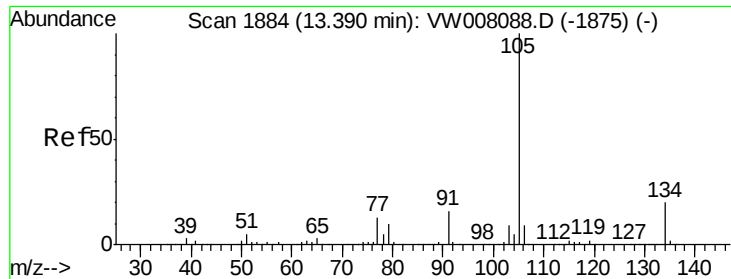
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#84
1,2,4-Trimethylbenzene
Concen: 95.850 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.7	68.1





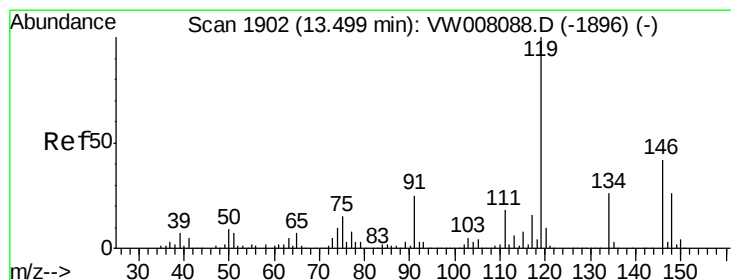
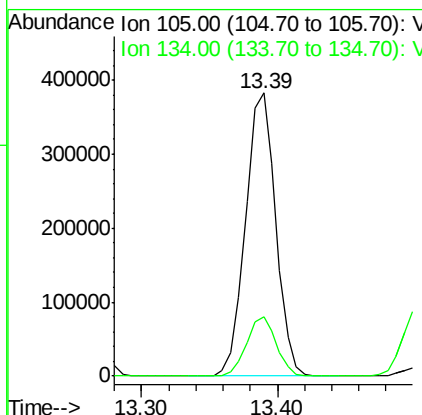
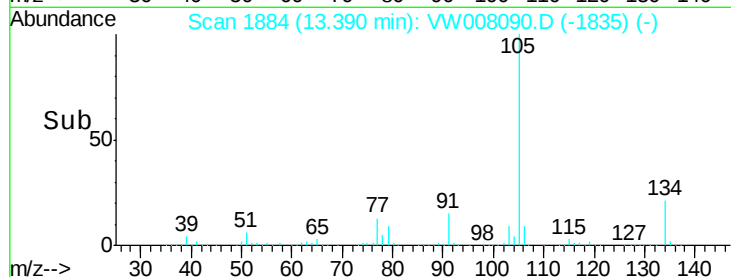
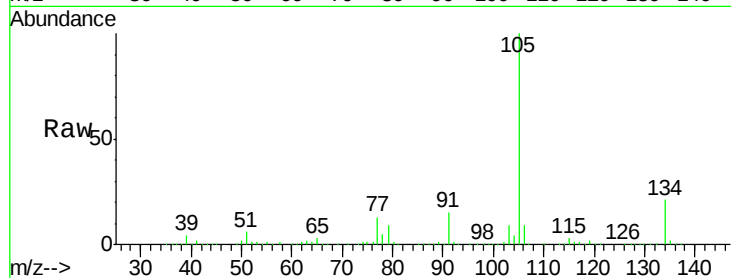
#85
 sec-Butylbenzene
 Concen: 101.845 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.1	30.1

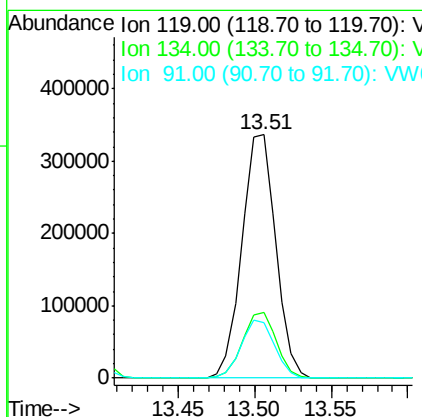
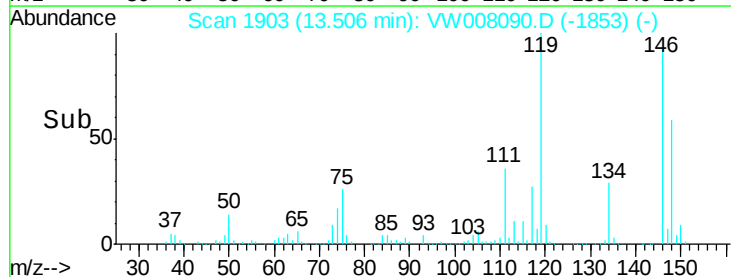
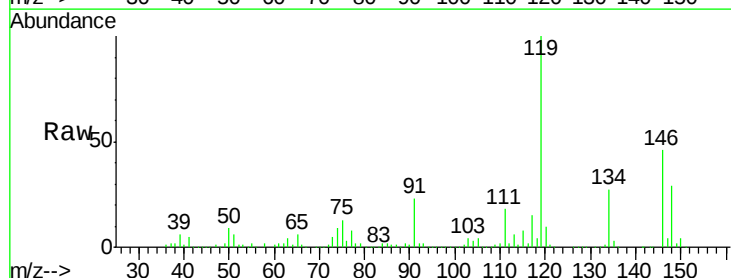
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#86
 p-Isopropyltoluene
 Concen: 98.421 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.3	39.8
91	23.8	12.3	36.9





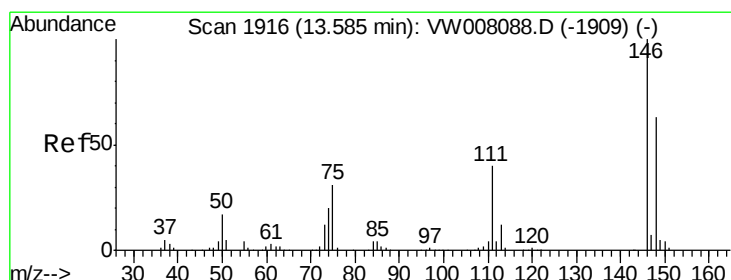
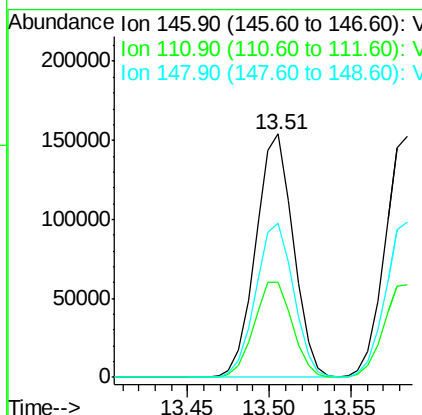
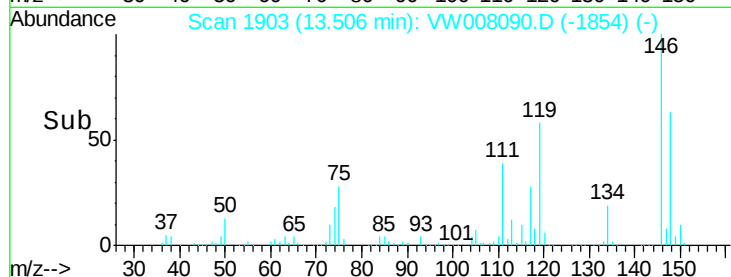
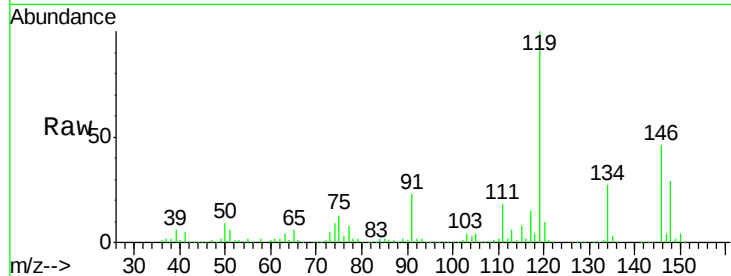
#87
 1,3-Dichlorobenzene
 Concen: 101.130 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	245749		
111	40.1	21.1	63.1	
148	64.0	31.3	93.9	

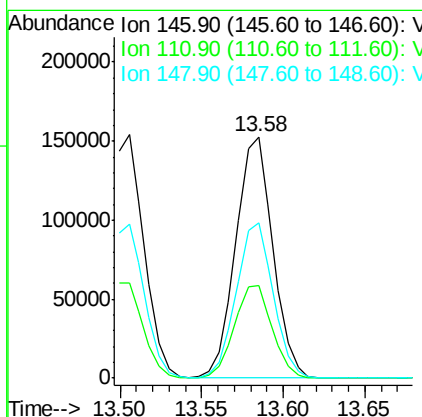
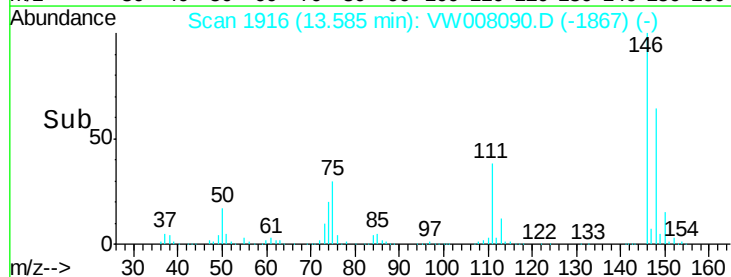
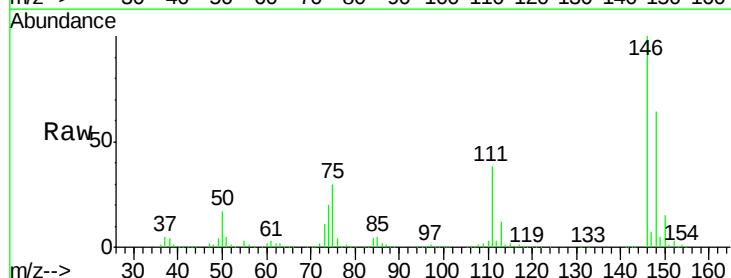
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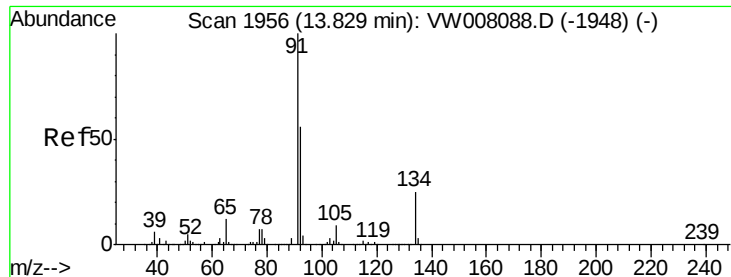
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#88
 1,4-Dichlorobenzene
 Concen: 100.339 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	241902		
111	39.1	20.5	61.5	
148	64.2	31.6	94.8	





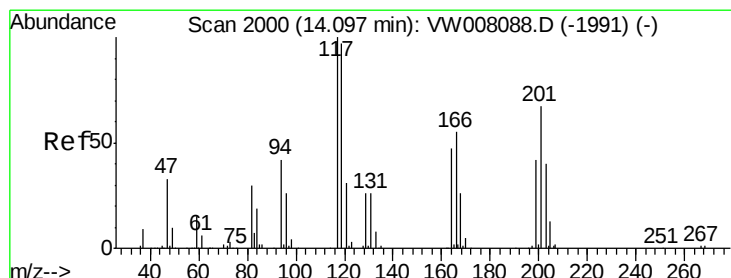
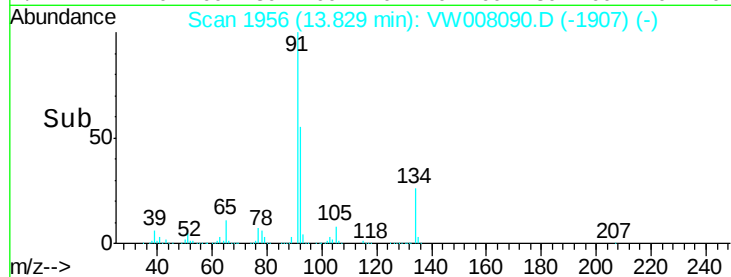
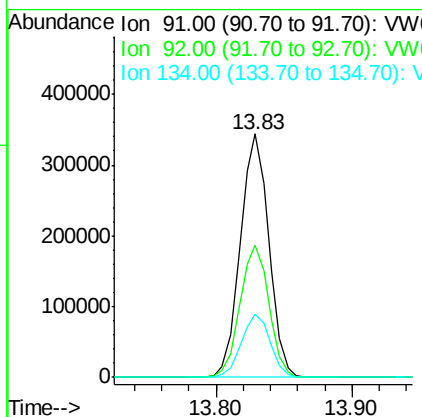
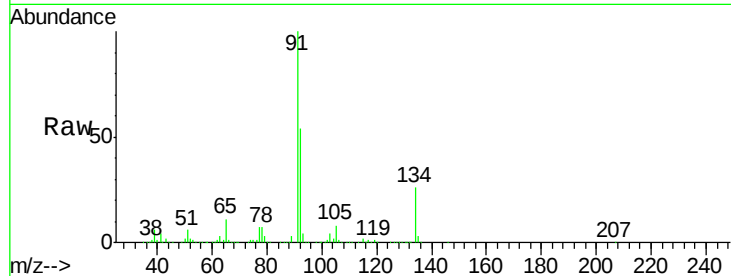
#89
n-Butylbenzene
Concen: 103.750 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.4	82.2
134	26.2	12.6	37.8

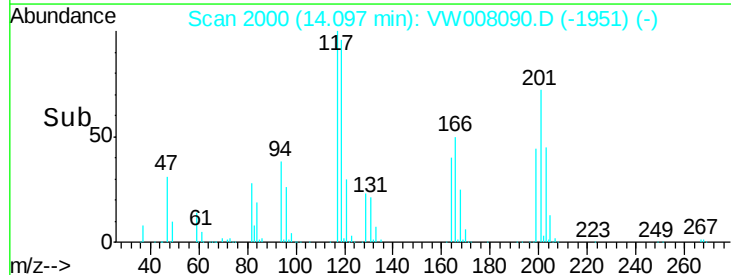
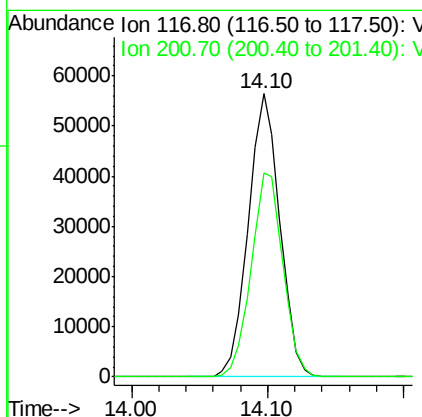
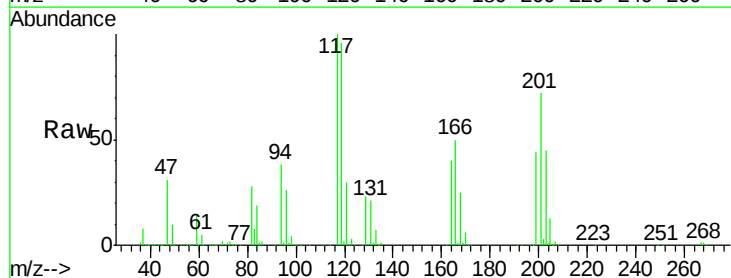
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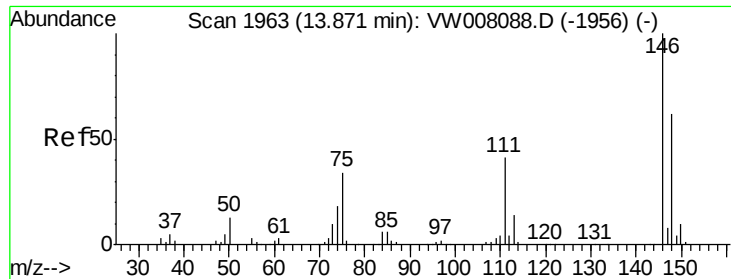
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#90
Hexachloroethane
Concen: 101.235 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	33.0	98.9





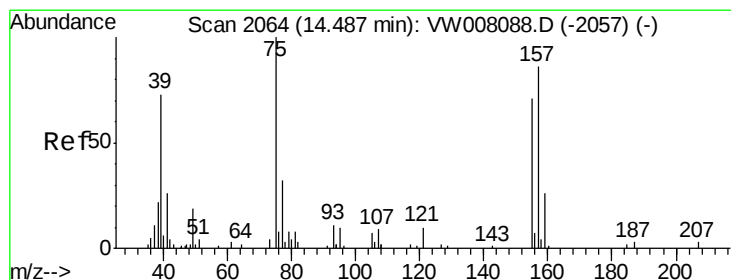
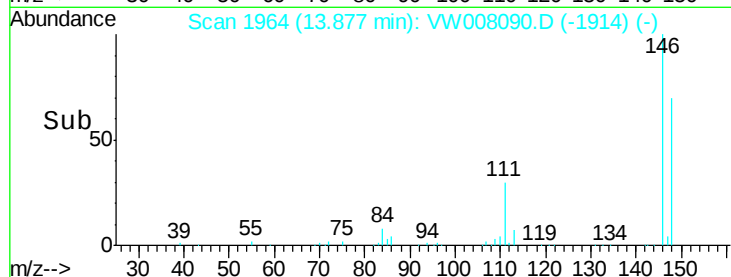
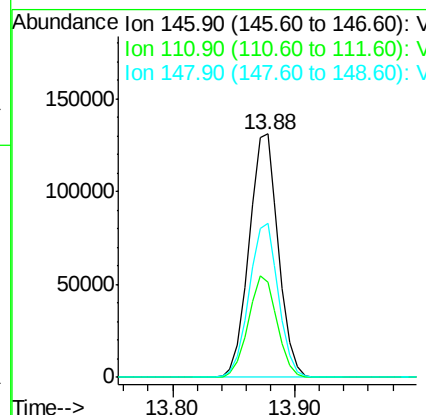
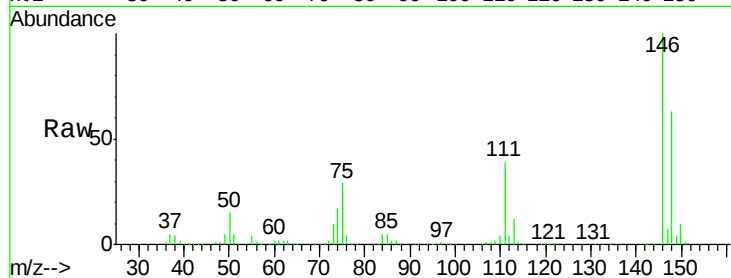
#91
 1,2-Dichlorobenzene
 Concen: 101.441 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.3	63.7
148	63.3	31.5	94.5

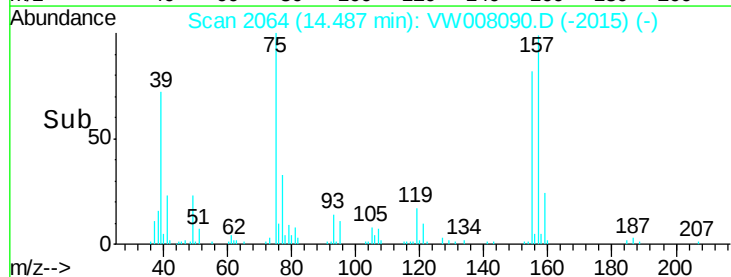
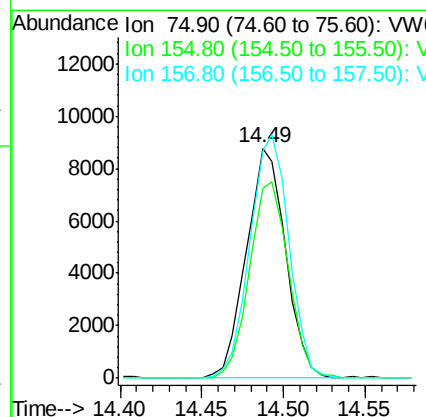
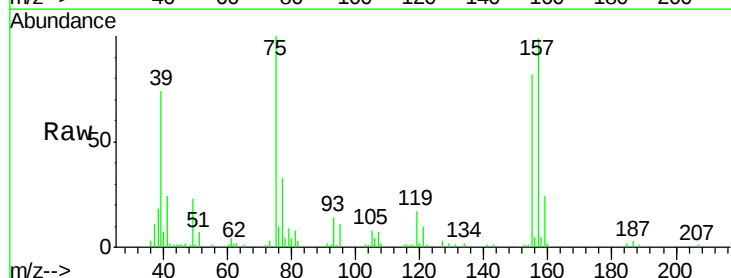
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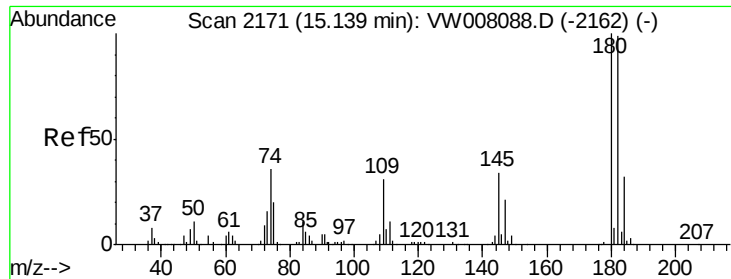
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.962 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008090.D
 Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	38.6	115.7
157	105.4	47.5	142.6





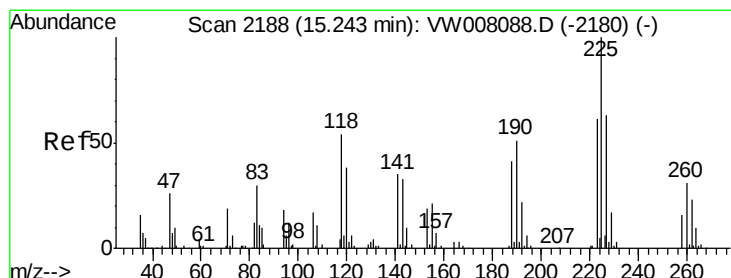
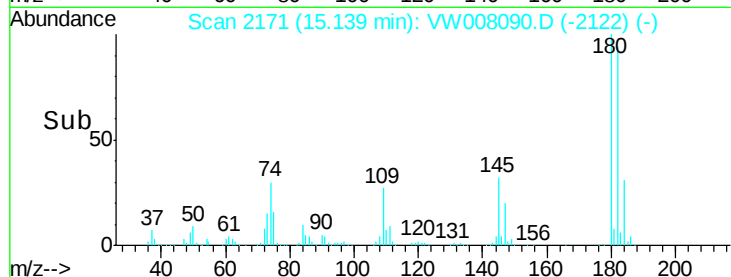
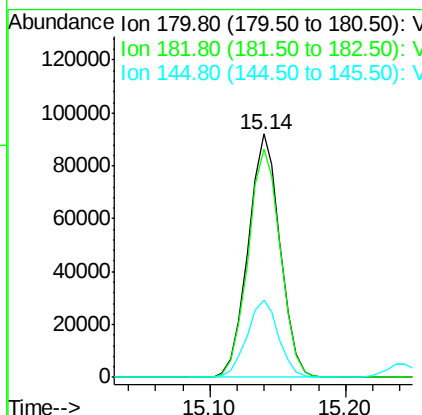
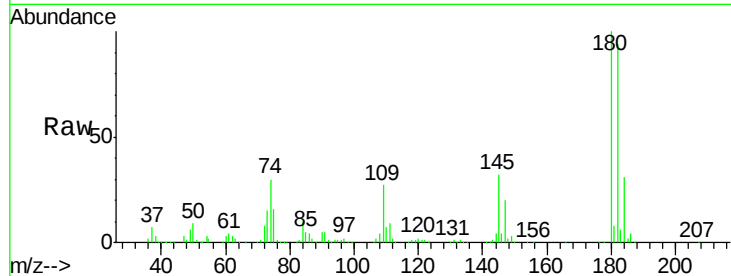
#93
1,2,4-Trichlorobenzene
Concen: 102.112 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150704		
182	95.1	48.6	145.9	
145	31.4	16.6	49.7	

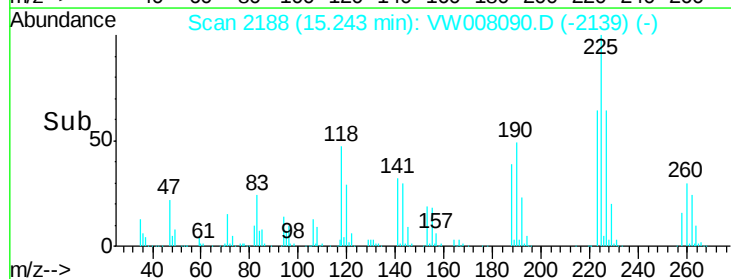
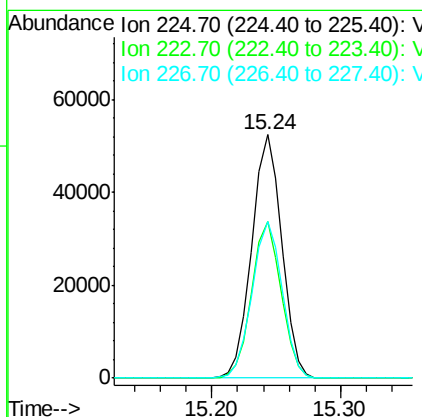
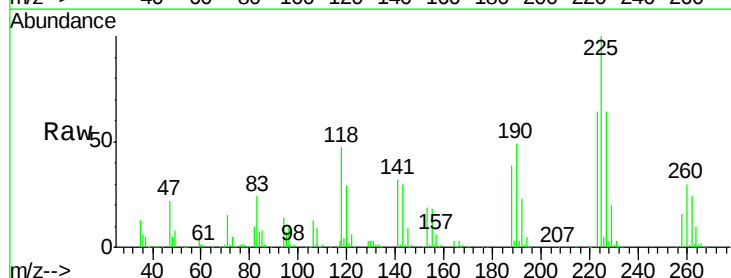
Manual Integrations
APPROVED

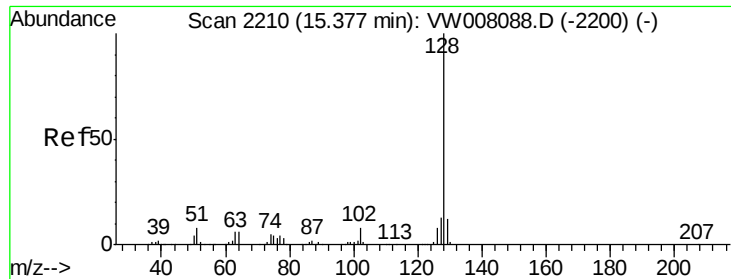
MMDadoda
1/9/2019 11:08:05 AM



#94
Hexachlorobutadiene
Concen: 99.140 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008090.D
Acq: 08 Jan 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83867		
223	63.6	31.4	94.3	
227	64.9	32.0	96.2	





#95

Naphthalene

Concen: 110.718 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Instrument :

MSVOA_W

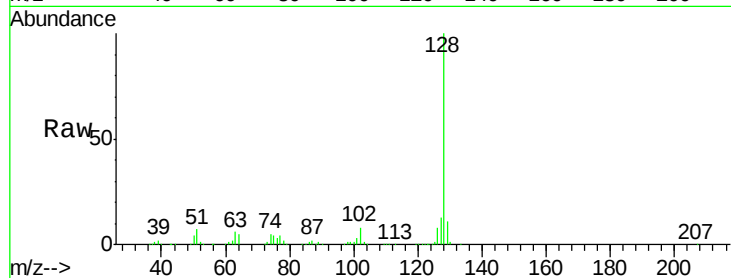
ClientSampleId :

VSTDIC100

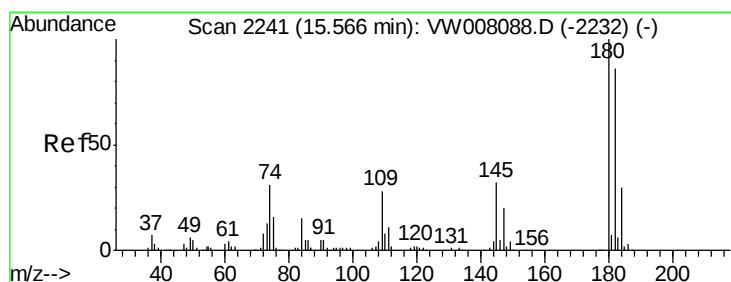
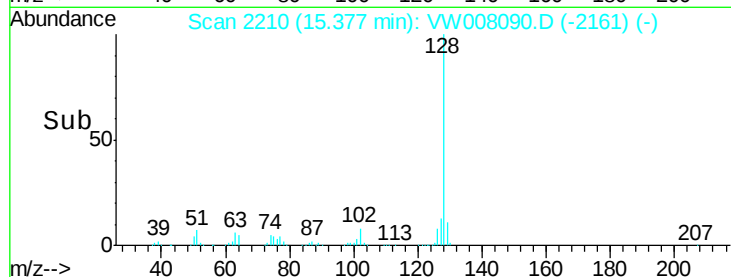
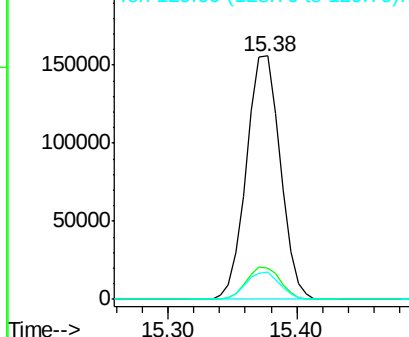
Tot Ion:	128	Resp:	283232
Ion Ratio	Lower	Upper	
128	100		
127	13.5	11.0	16.4
129	11.1	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/9/2019 11:08:05 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: 106.231 ug/l

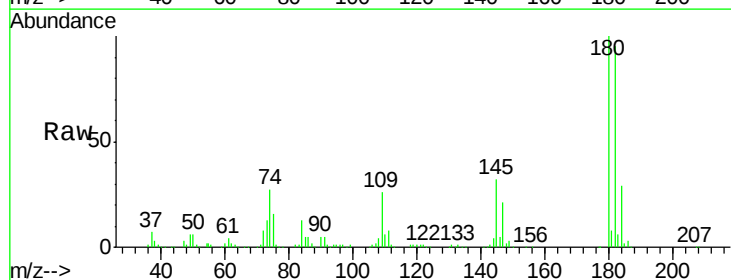
RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW008090.D

Acq: 08 Jan 2019 17:30

Tgt Ion:	180	Resp:	130445
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.5	139.3
145	33.2	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

