

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008007.D
 Acq On : 02 Jan 2019 14:11
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:27 AM

Quant Time: Jan 03 04:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	68020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	106398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	95402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	47839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	37117	49.34	ug/l	0.00
Spiked Amount						
			Recovery	=	98.68%	
35) Dibromofluoromethane	7.88	113	33679	50.21	ug/l	0.00
Spiked Amount						
			Recovery	=	100.42%	
50) Toluene-d8	10.32	98	125434	49.85	ug/l	0.00
Spiked Amount						
			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.62	95	47552	49.28	ug/l	0.00
Spiked Amount						
			Recovery	=	98.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	33823	53.408	ug/l	100
3) Chloromethane	2.22	50	23637	51.044	ug/l	100
4) Vinyl Chloride	2.37	62	31375	52.460	ug/l	100
5) Bromomethane	2.79	94	19492	51.299	ug/l	100
6) Chloroethane	2.93	64	16150	52.833	ug/l	100
7) Trichlorofluoromethane	3.26	101	31690	52.786	ug/l	100
8) Diethyl Ether	3.68	74	14657	47.533	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37232	52.186	ug/l	100
10) Methyl Iodide	4.26	142	58797	51.226	ug/l	100
11) Tert butyl alcohol	5.16	59	10993	224.908	ug/l	100
12) 1,1-Dichloroethene	4.03	96	34310	50.241	ug/l	100
13) Acrolein	3.89	56	8846	267.113	ug/l	100
14) Allyl chloride	4.67	41	47216	51.034	ug/l	100
15) Acrylonitrile	5.37	53	28959	255.339	ug/l	100
16) Acetone	4.12	43	29029	249.263	ug/l	100
17) Carbon Disulfide	4.38	76	110192	52.823	ug/l	100
18) Methyl Acetate	4.67	43	15648	51.811	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	54347	50.568	ug/l	100
20) Methylene Chloride	4.92	84	36202	45.069	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	37517	50.493	ug/l	100
22) Diisopropyl ether	6.31	45	85005	51.189	ug/l	100
23) Vinyl Acetate	6.26	43	237214	255.312	ug/l	100
24) 1,1-Dichloroethane	6.22	63	62875	50.959	ug/l	100
25) 2-Butanone	7.17	43	34487	251.337	ug/l	100
26) 2,2-Dichloropropane	7.17	77	50952	50.123	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	39145	49.459	ug/l	100
28) Bromochloromethane	7.51	49	19367	48.836	ug/l	100
29) Tetrahydrofuran	7.53	42	21169	248.373	ug/l	100
30) Chloroform	7.68	83	69668	50.381	ug/l	100
31) Cyclohexane	7.96	56	55889	48.599	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	68235	51.569	ug/l	100
36) 1,1-Dichloropropene	8.08	75	54300	51.735	ug/l	100
37) Ethyl Acetate	7.26	43	15418	48.904	ug/l	100
38) Carbon Tetrachloride	8.07	117	64312	51.129	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	66861	51.106	ug/l	100
40) Benzene	8.32	78	140808	50.854	ug/l	100
41) Methacrylonitrile	7.49	41	10454	53.818	ug/l	100
42) 1,2-Dichloroethane	8.40	62	47132	51.089	ug/l	100
43) Isopropyl Acetate	8.42	43	32702	51.914	ug/l	100
44) Trichloroethene	9.09	130	41594	50.906	ug/l	100
45) 1,2-Dichloropropane	9.37	63	30491	50.875	ug/l	100
46) Dibromomethane	9.46	93	17992	51.347	ug/l	100
47) Bromodichloromethane	9.65	83	49435	50.370	ug/l	100
48) Methyl methacrylate	9.44	41	15801	49.748	ug/l	100
49) 1,4-Dioxane	9.45	88	5355	1032.693	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	73194	251.018	ug/l	100
52) Toluene	10.39	92	93306	51.045	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	48375	51.259	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	53574	50.873	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	24767	52.204	ug/l	100
56) Ethyl methacrylate	10.65	69	27666	51.583	ug/l	100
57) 1,3-Dichloropropane	10.93	76	40219	49.891	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	62258	244.758	ug/l	100
59) 2-Hexanone	10.97	43	52121	258.922	ug/l	100
60) Dibromochloromethane	11.13	129	32893	50.651	ug/l	100
61) 1,2-Dibromoethane	11.24	107	24135	50.835	ug/l	100
64) Tetrachloroethene	10.87	164	34546	52.422	ug/l	100
65) Chlorobenzene	11.66	112	105229	51.610	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37740	51.113	ug/l	100
67) Ethyl Benzene	11.73	91	188601	52.113	ug/l	100
68) m/p-Xylenes	11.84	106	146460	104.677	ug/l	100
69) o-Xylene	12.17	106	68235	52.411	ug/l	100
70) Styrene	12.18	104	111413	52.504	ug/l	100
71) Bromoform	12.35	173	17622	51.513	ug/l #	100
73) Isopropylbenzene	12.47	105	196282	51.598	ug/l	100
74) N-amyl acetate	12.27	43	30747	51.925	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	24914	51.473	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	20004m	30.019	ug/l	
77) Bromobenzene	12.75	156	42341	51.785	ug/l	100
78) n-propylbenzene	12.81	91	226771	51.416	ug/l	100
79) 2-Chlorotoluene	12.90	91	131158	51.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	171767	52.457	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8284	51.475	ug/l	100
82) 4-Chlorotoluene	12.99	91	137690	50.799	ug/l	100
83) tert-Butylbenzene	13.21	119	147455	51.471	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	171291	51.646	ug/l	100
85) sec-Butylbenzene	13.39	105	204251	51.828	ug/l	100
86) p-Isopropyltoluene	13.51	119	184054	51.778	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	84941	51.487	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	83043	50.844	ug/l	100
89) n-Butylbenzene	13.83	91	169138	52.020	ug/l	100
90) Hexachloroethane	14.10	117	31470	51.021	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	73064	50.398	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4859	49.462	ug/l	100

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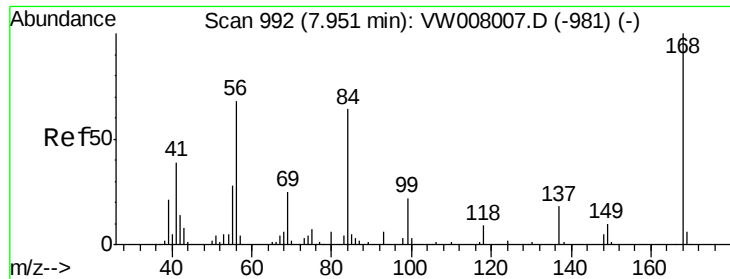
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	52252	51.318	ug/l	100
94) Hexachlorobutadiene	15.24	225	30413	51.731	ug/l	100
95) Naphthalene	15.38	128	92319	53.237	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	43192	51.554	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 68020

Ion Ratio Lower Upper

168 100

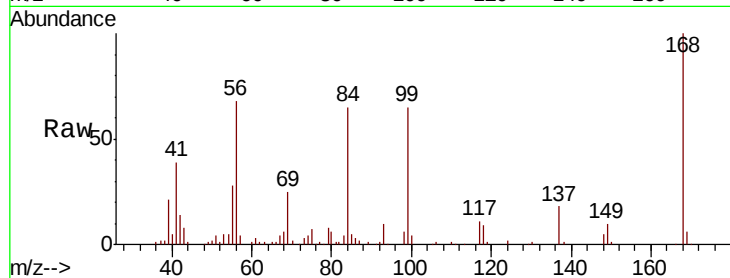
99 64.5 51.6 77.4

Manual Integrations

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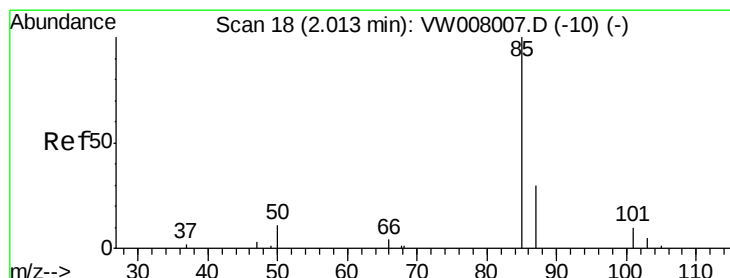
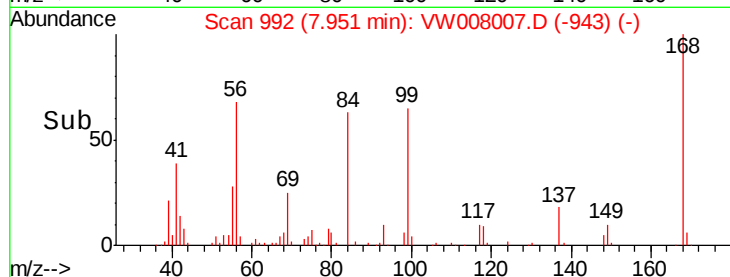
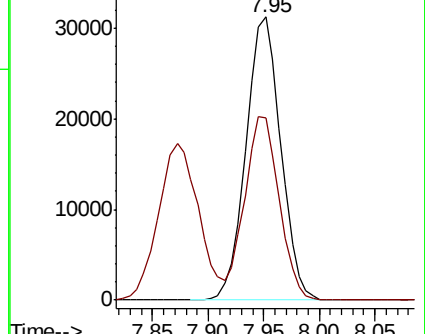
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 53.408 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008007.D

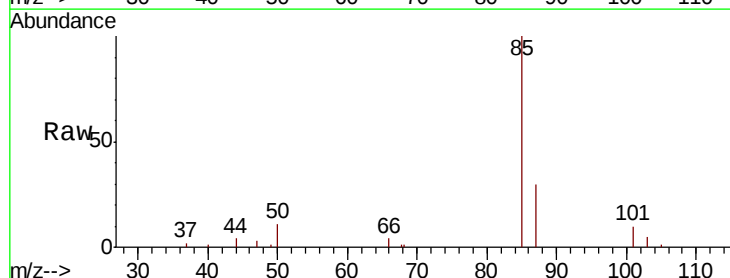
Acq: 02 Jan 2019 14:11

Tgt Ion: 85 Resp: 33823

Ion Ratio Lower Upper

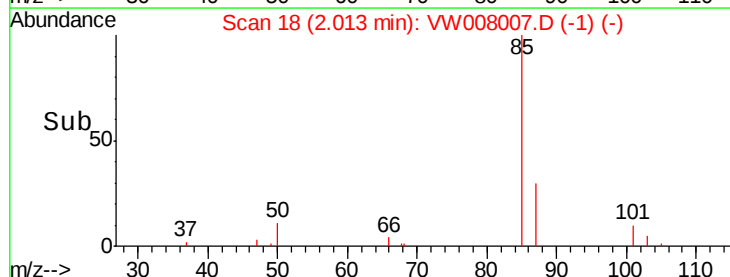
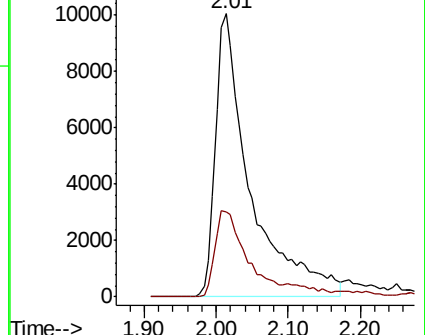
85 100

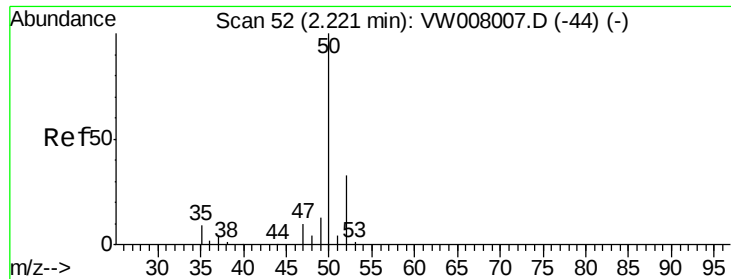
87 30.0 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 51.044 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 23637

Ion Ratio Lower Upper

50 100

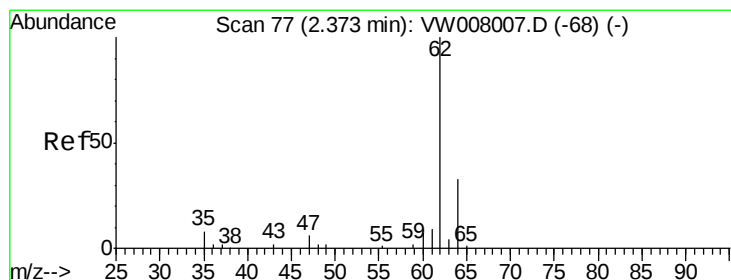
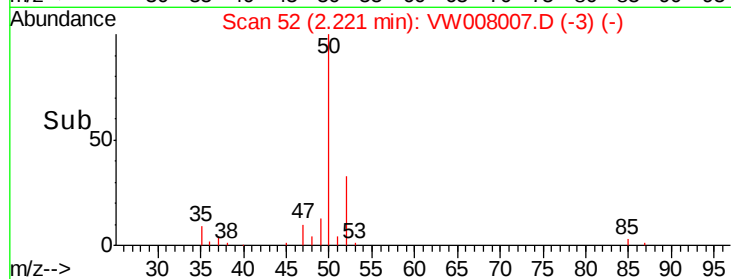
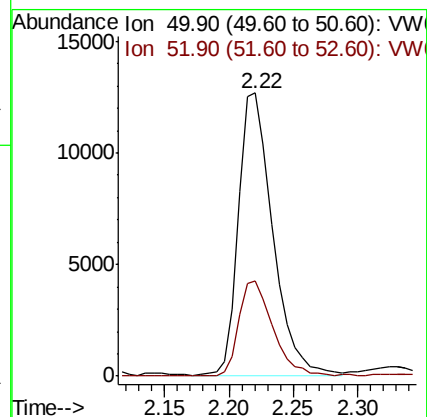
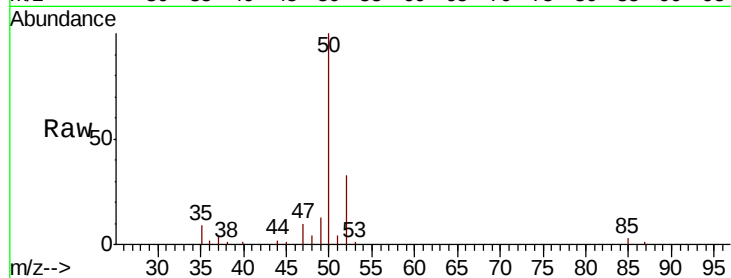
52 33.5 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.460 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW008007.D

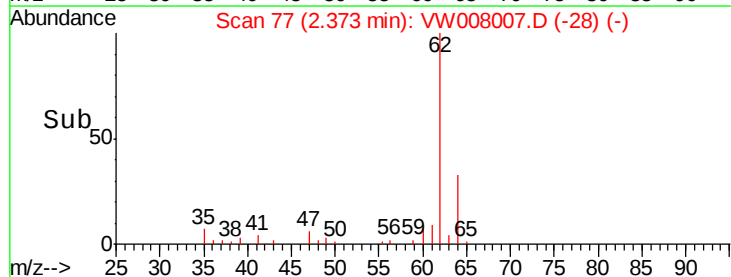
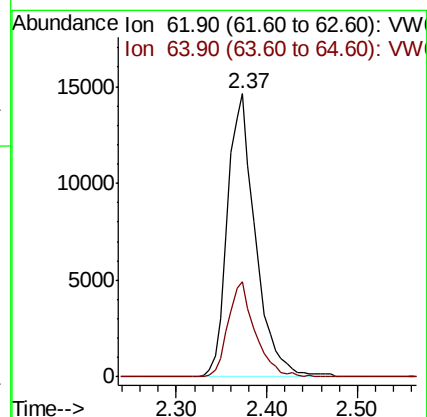
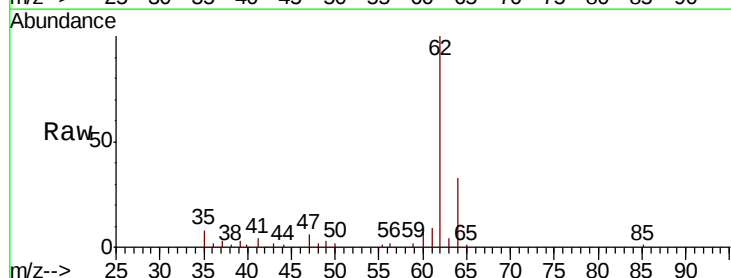
Acq: 02 Jan 2019 14:11

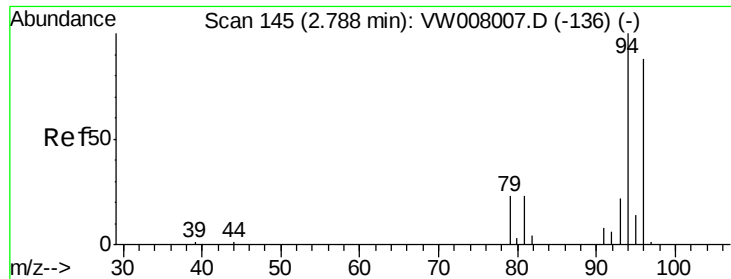
Tgt Ion: 62 Resp: 31375

Ion Ratio Lower Upper

62 100

64 33.5 26.8 40.2





#5

Bromomethane

Concen: 51.299 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 19492

Ion Ratio Lower Upper

94 100

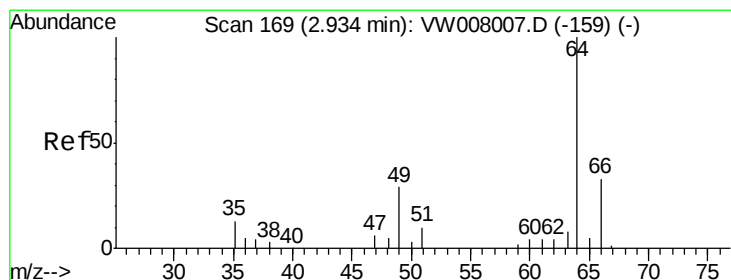
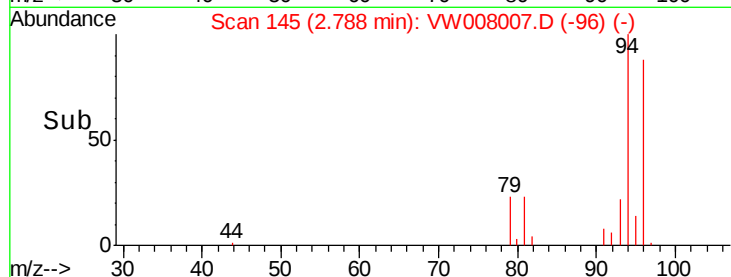
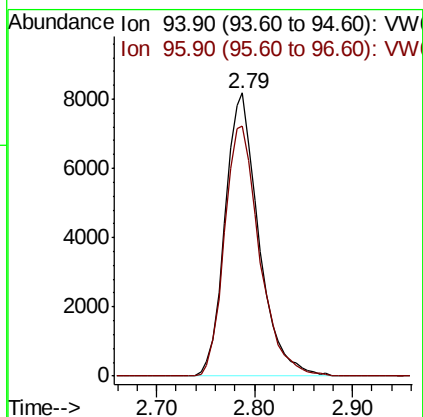
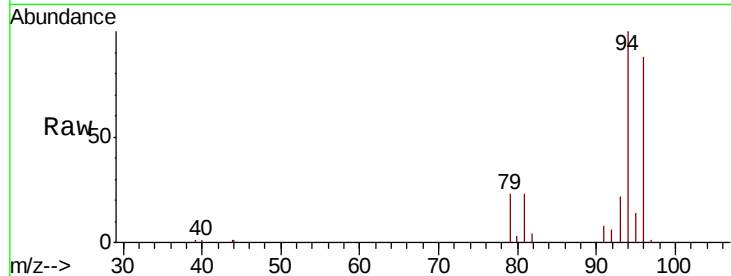
96 88.4 70.7 106.1

Manual Integrations

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#6

Chloroethane

Concen: 52.833 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW008007.D

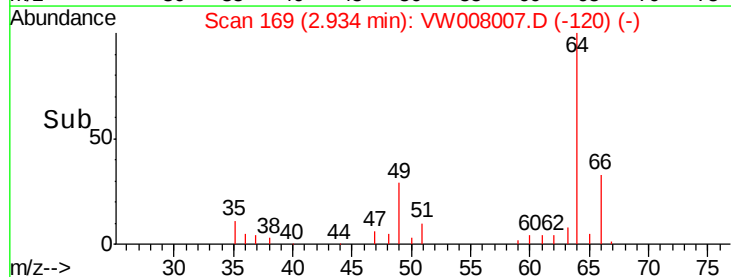
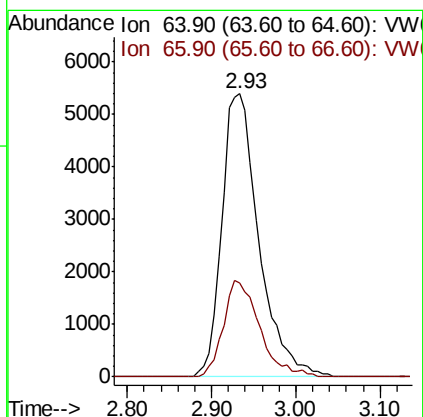
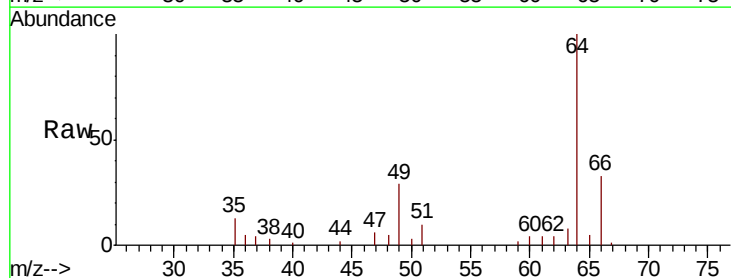
Acq: 02 Jan 2019 14:11

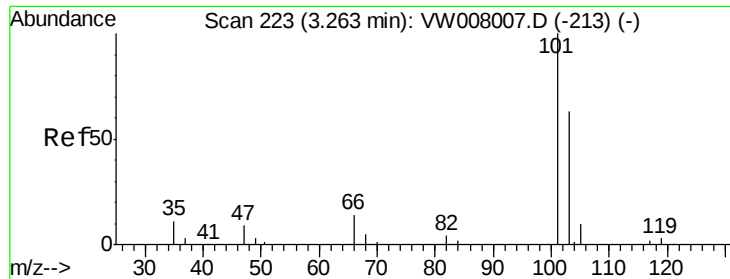
Tgt Ion: 64 Resp: 16150

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8





#7

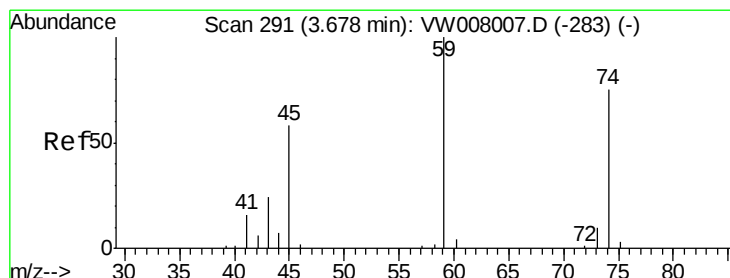
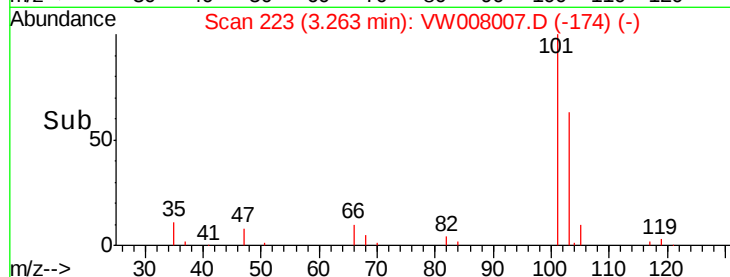
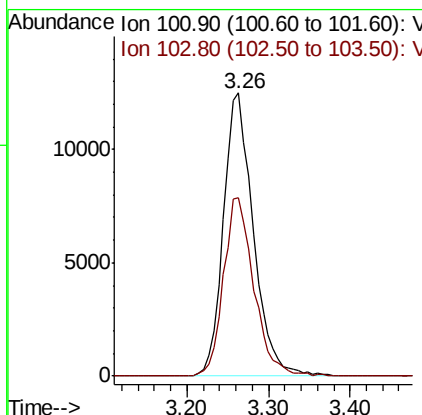
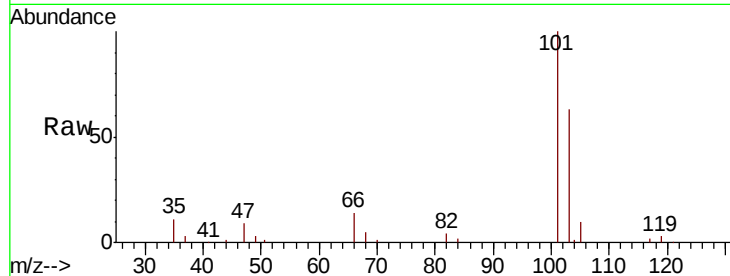
Trichlorofluoromethane
 Concen: 52.786 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	50.5	75.7

Manual Integrations
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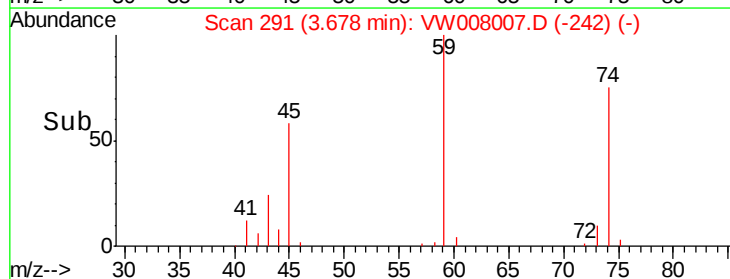
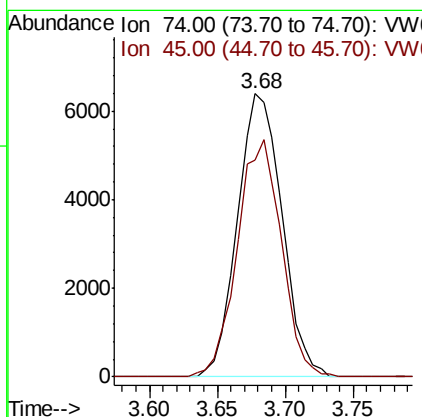
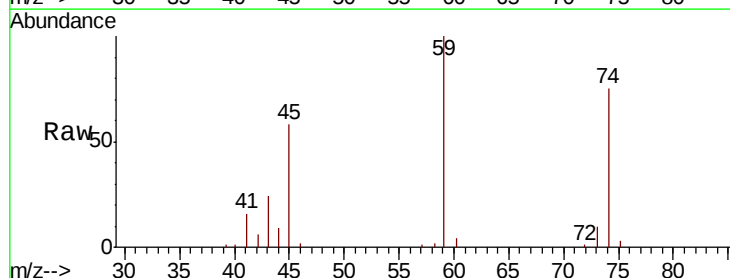
MMDadoda
 1/3/2019 10:55:27 AM

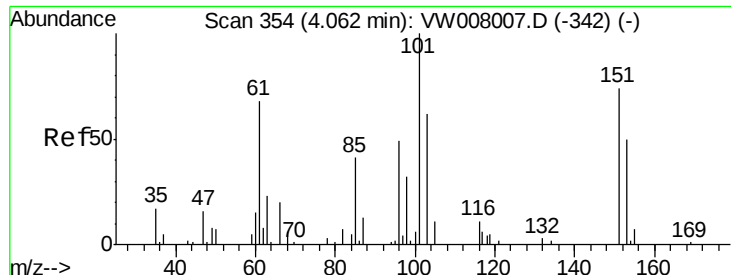


#8

Diethyl Ether
 Concen: 47.533 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.8	41.4	124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.186 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

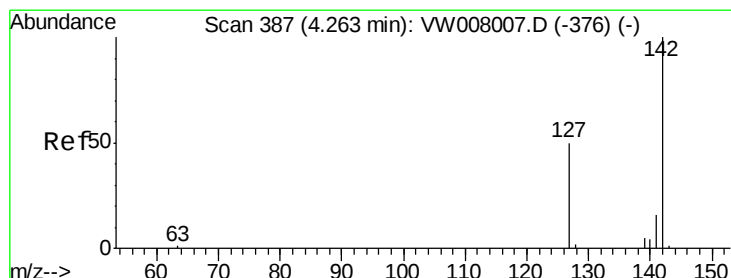
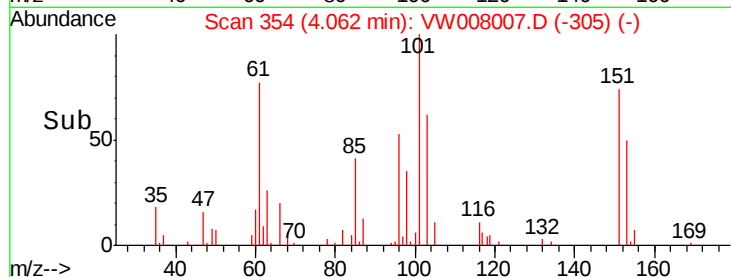
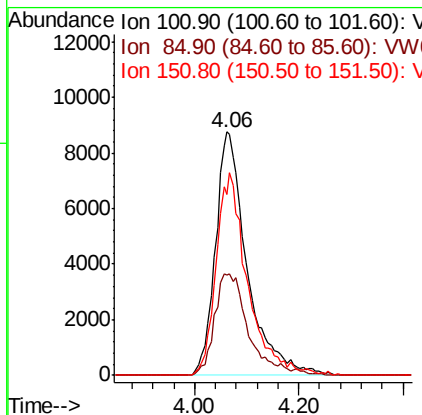
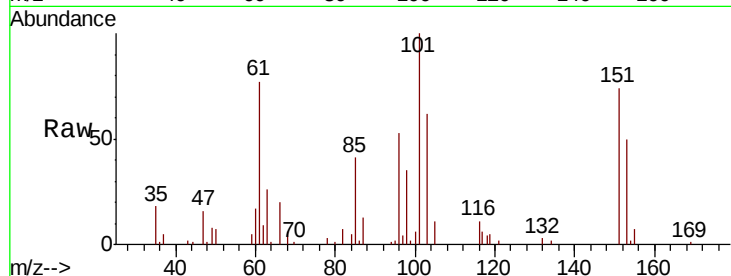
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	37232
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.1	52.7
151	81.6	65.3	97.9

Manual Integrations
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#10

Methyl Iodide

Concen: 51.226 ug/l

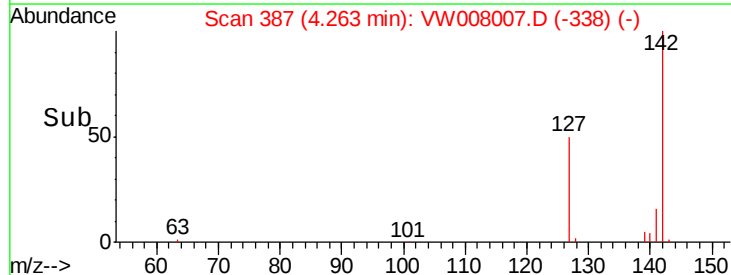
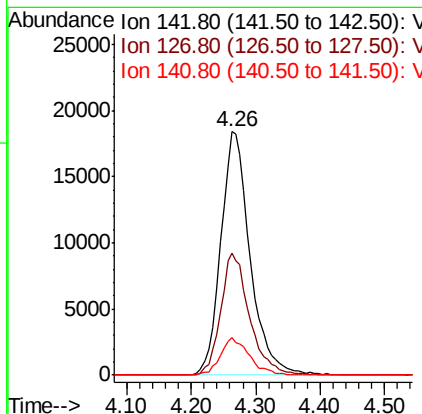
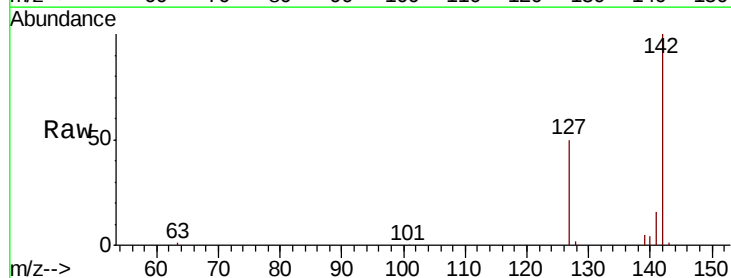
RT: 4.26 min Scan# 387

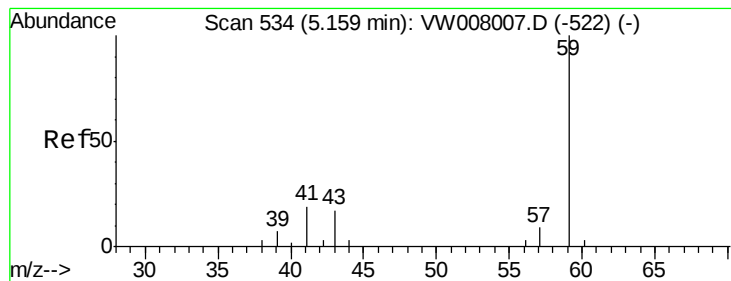
Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion:	142	Resp:	58797
Ion Ratio	Lower	Upper	
142	100		
127	49.2	39.4	59.0
141	15.1	12.1	18.1





#11

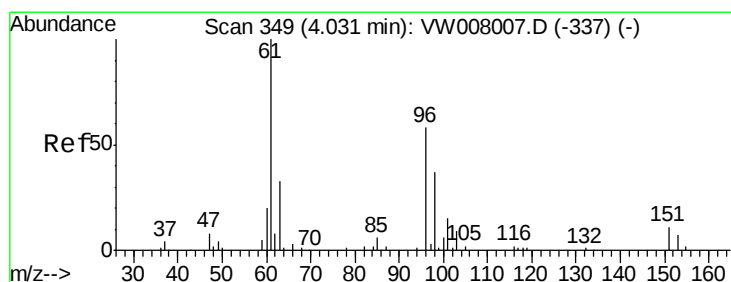
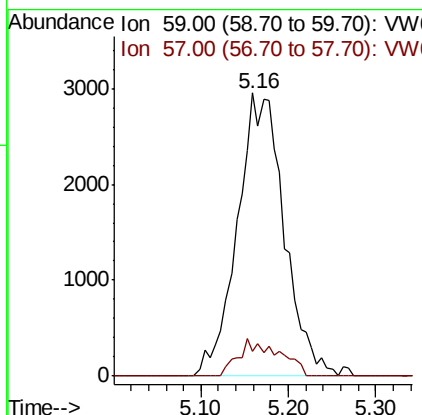
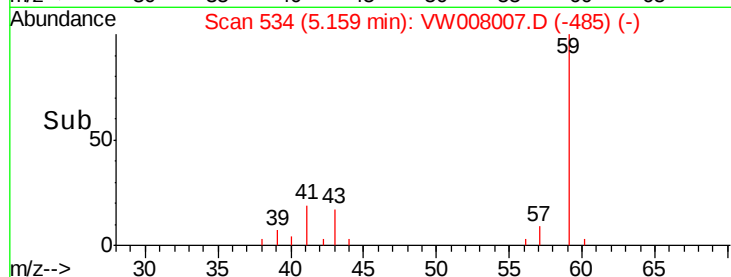
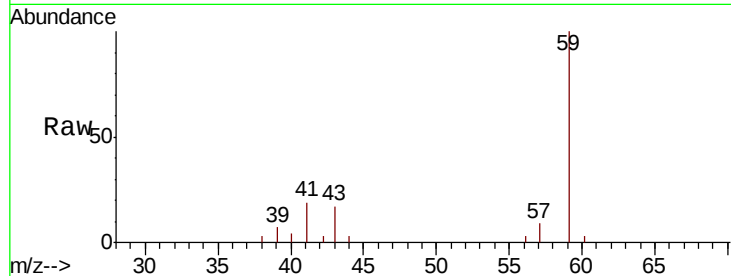
Tert butyl alcohol
Concen: 224.908 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.4

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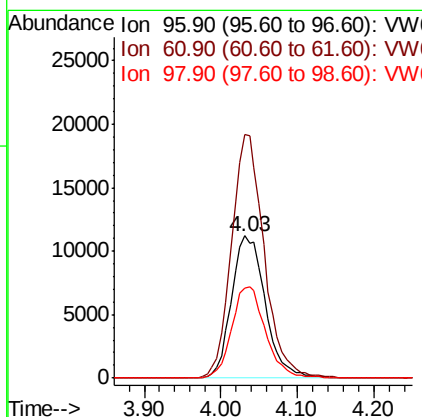
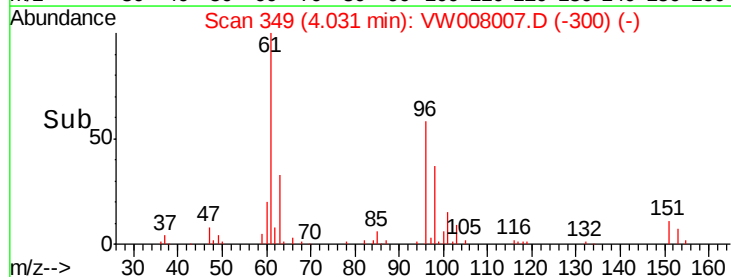
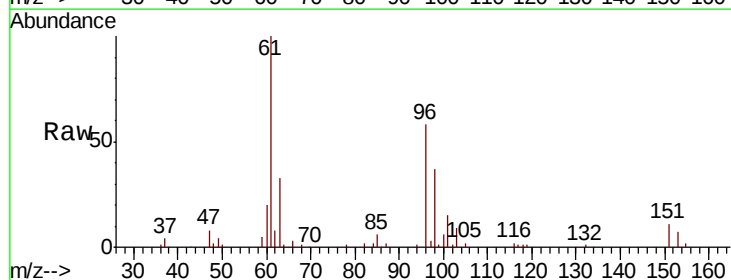
MMDadoda
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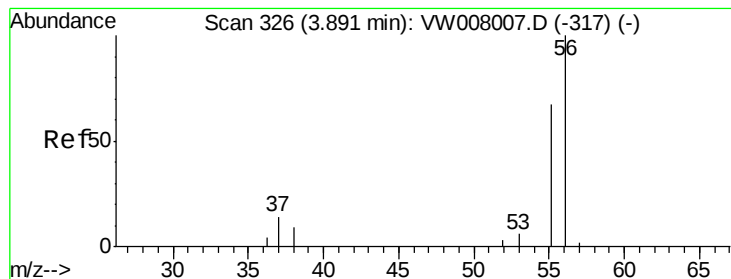


#12

1,1-Dichloroethene
Concen: 50.241 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.6	137.3	205.9
98	63.1	50.5	75.7





#13

Acrolein

Concen: 267.113 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 8846

Ion Ratio Lower Upper

56 100

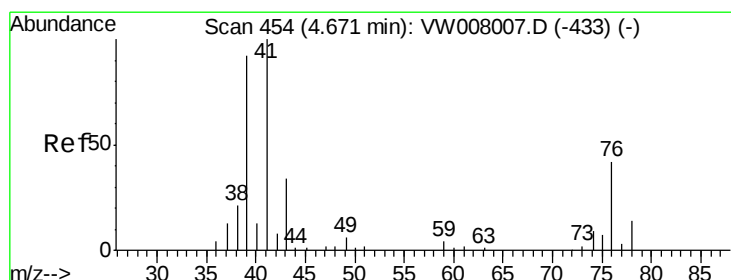
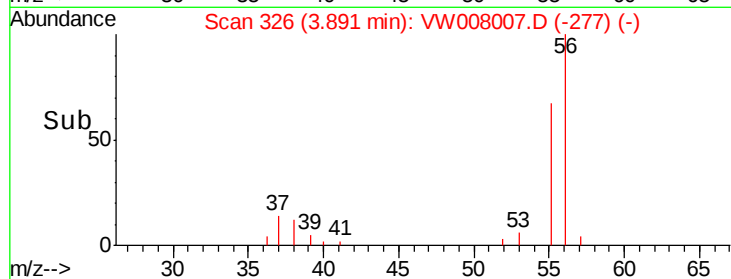
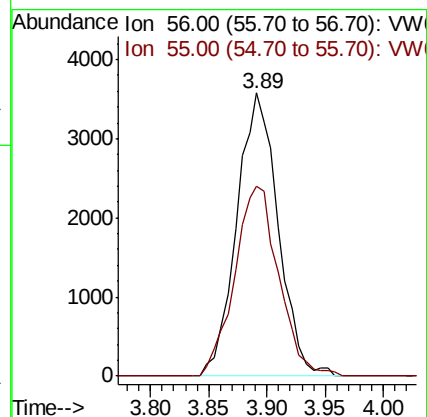
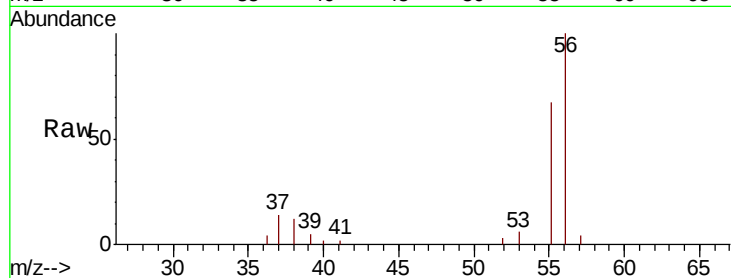
55 71.6 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 51.034 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

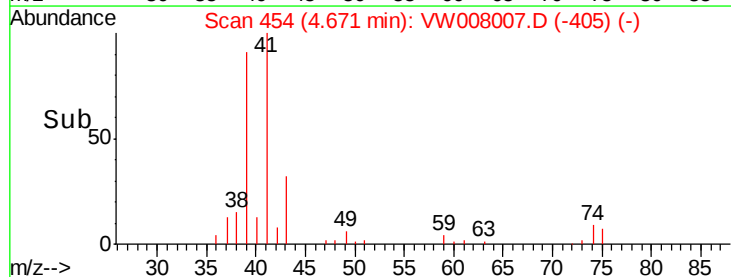
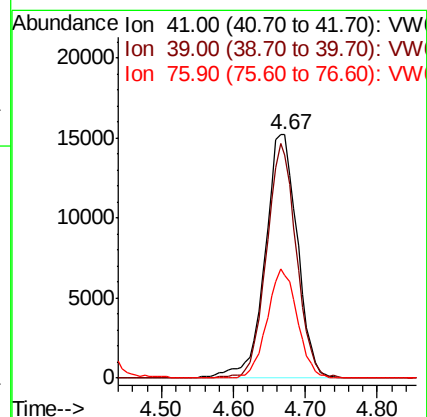
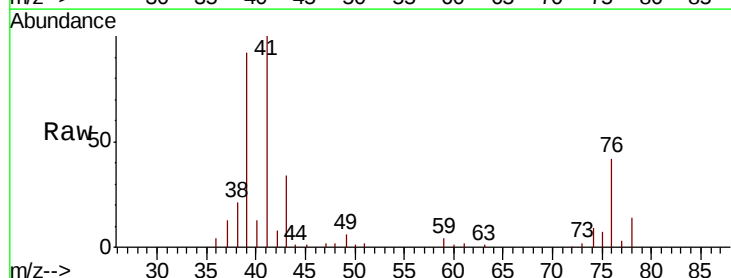
Tgt Ion: 41 Resp: 47216

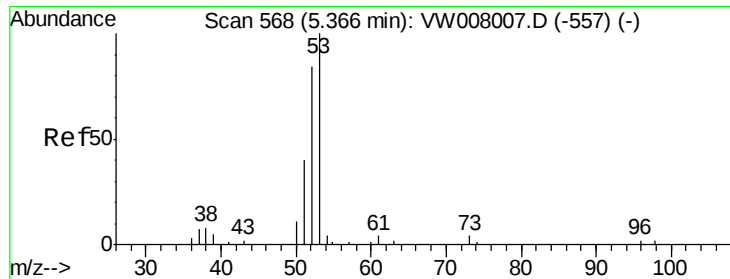
Ion Ratio Lower Upper

41 100

39 88.9 71.1 106.7

76 41.8 33.4 50.2





#15

Acrylonitrile

Concen: 255.339 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

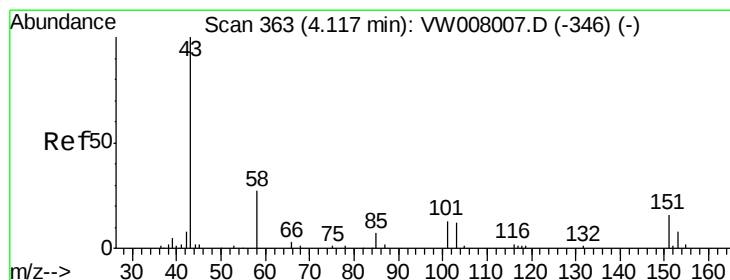
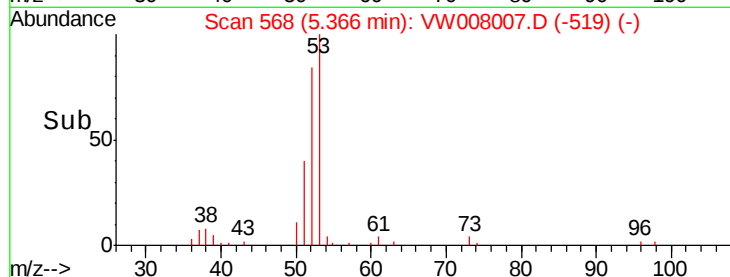
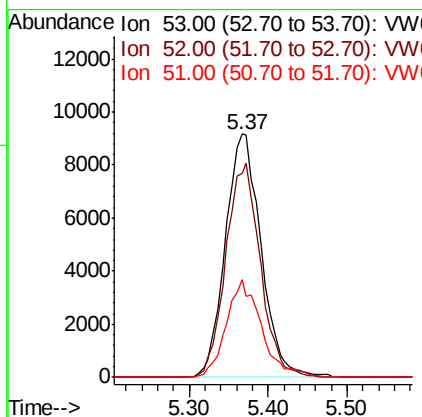
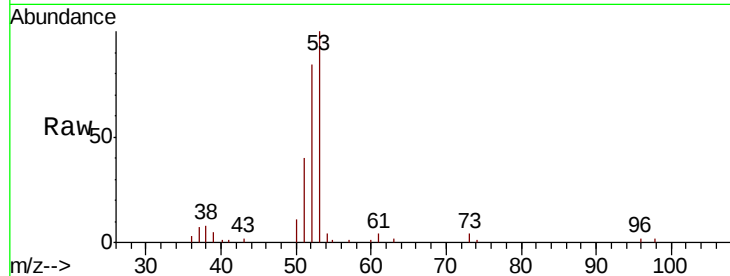
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	28959
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.8	101.8
51	39.4	31.5	47.3

Manual Integrations
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#16

Acetone

Concen: 249.263 ug/l

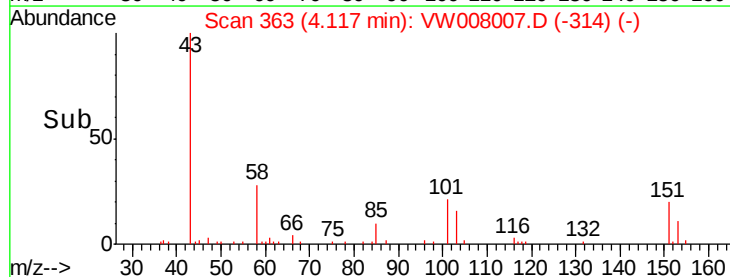
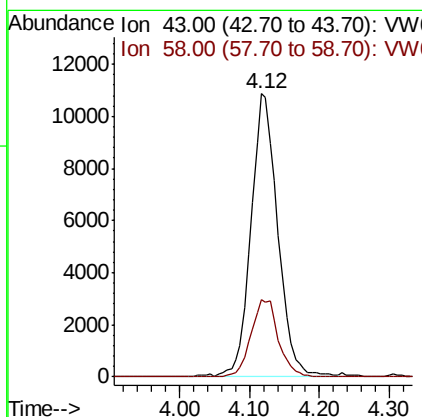
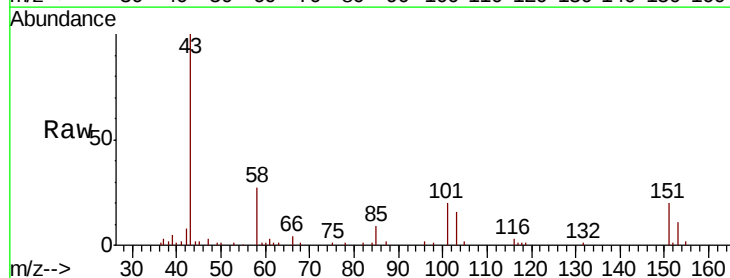
RT: 4.12 min Scan# 363

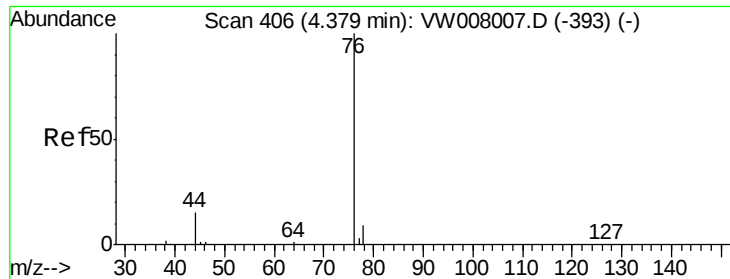
Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion:	43	Resp:	29029
Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.7	32.5





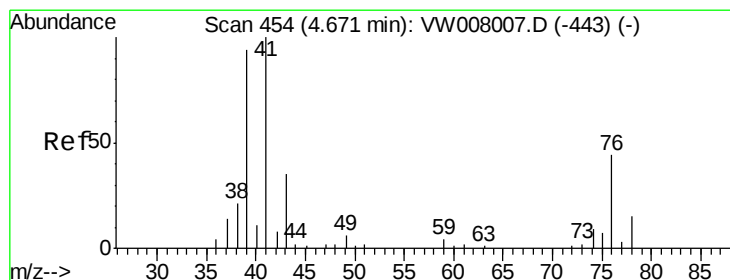
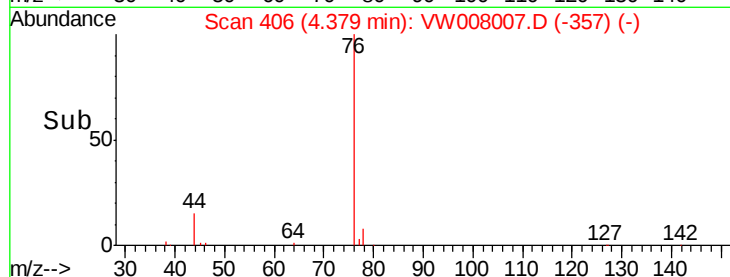
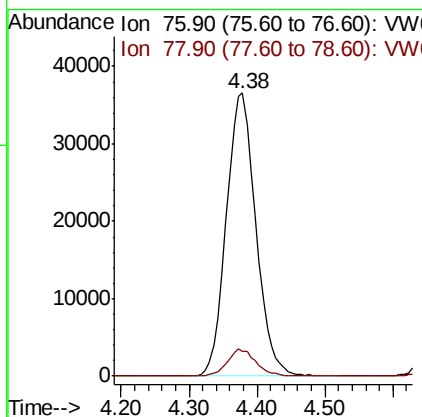
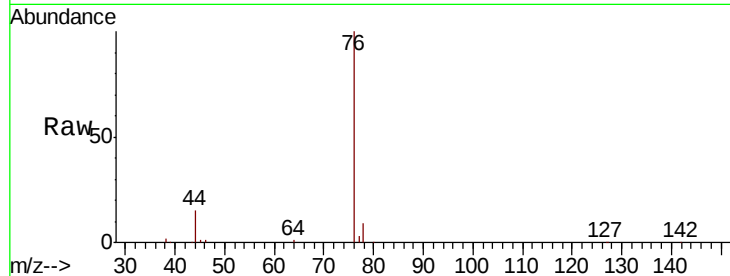
#17
Carbon Disulfide
Concen: 52.823 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

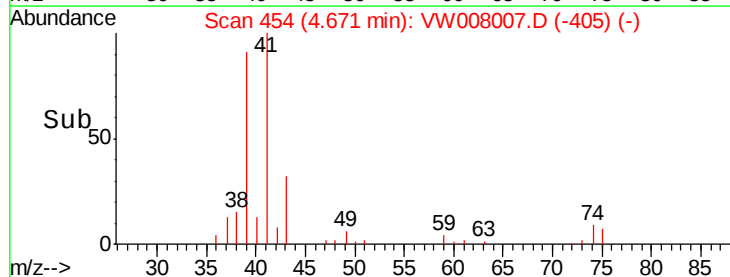
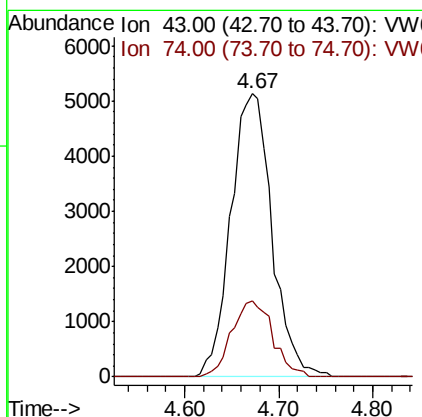
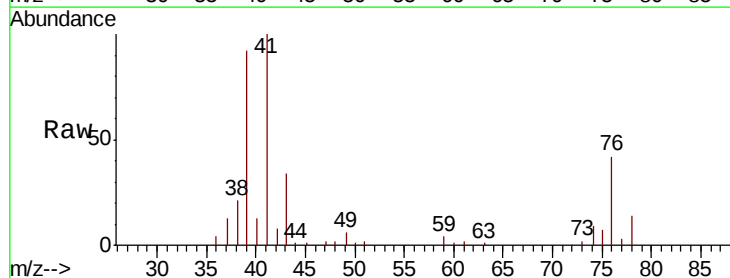
Manual Integrations
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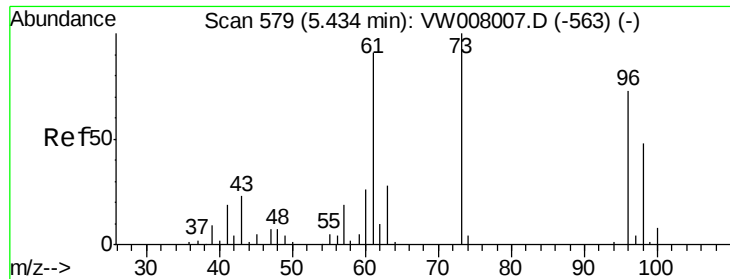
MMDadoda
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#18
Methyl Acetate
Concen: 51.811 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	21.4	32.2





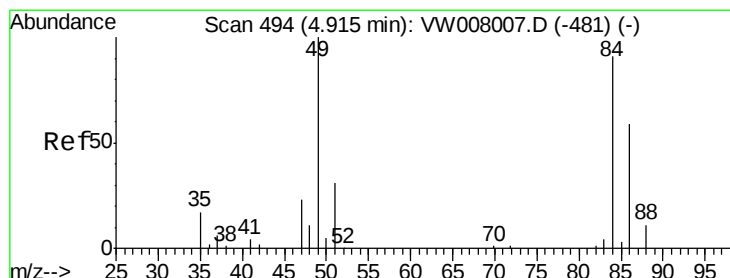
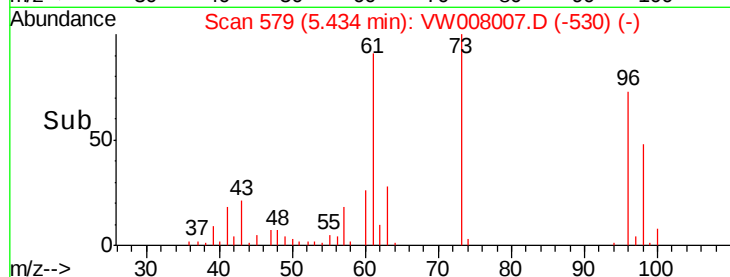
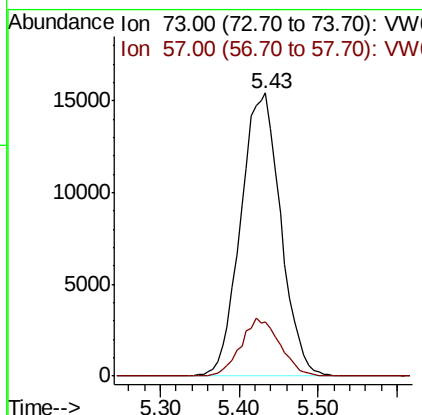
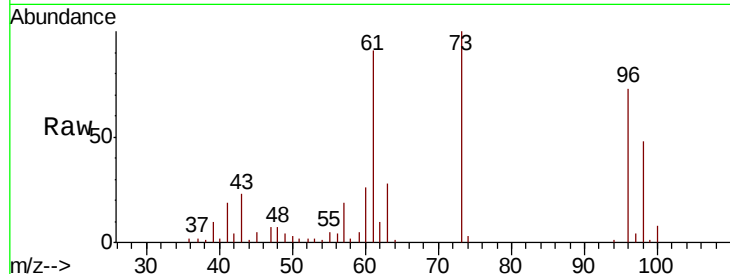
#19
Methvl tert-butvl Ether
Concen: 50.568 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 54347
Ion Ratio Lower Upper
73 100
57 19.2 15.4 23.0

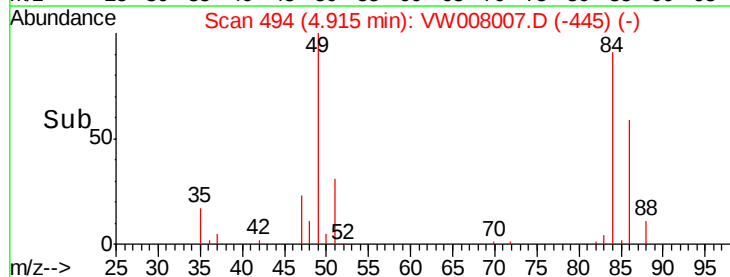
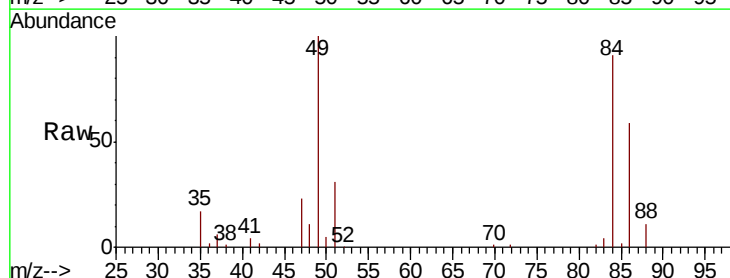
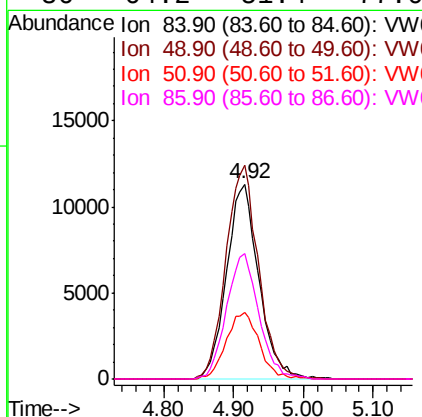
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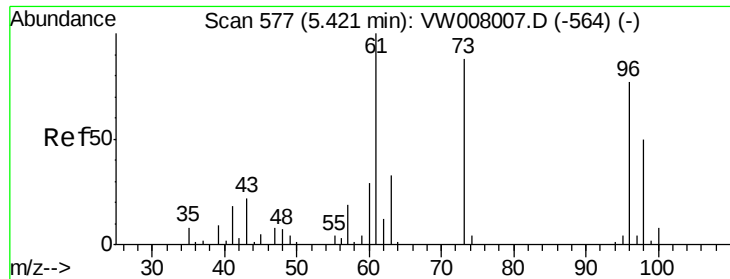
MMDadoda
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#20
Methylene Chloride
Concen: 45.069 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion: 84 Resp: 36202
Ion Ratio Lower Upper
84 100
49 109.6 87.7 131.5
51 34.1 27.3 40.9
86 64.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.493 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 37517

Ion Ratio Lower Upper

96 100

61 130.2 104.2 156.2

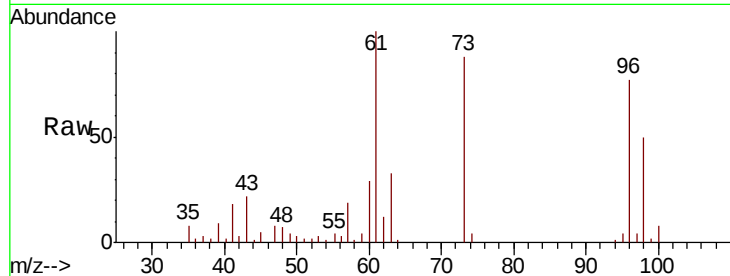
98 64.7 51.8 77.6

Manual Integrations

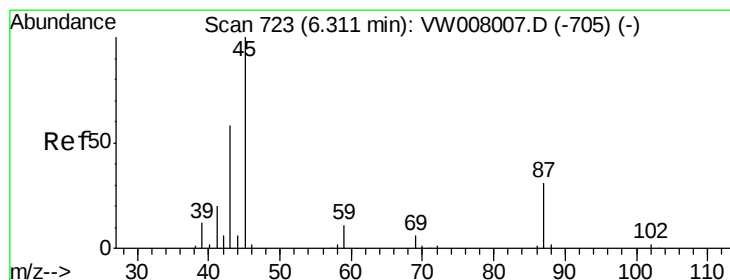
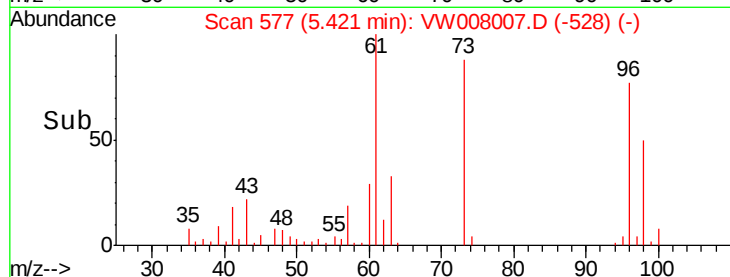
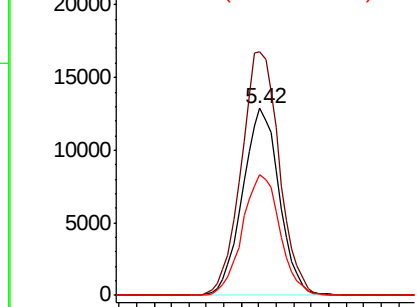
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.189 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion: 45 Resp: 85005

Ion Ratio Lower Upper

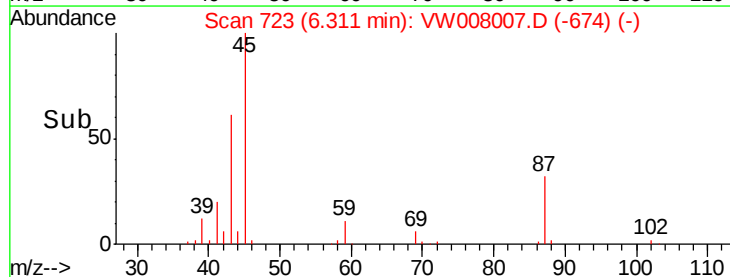
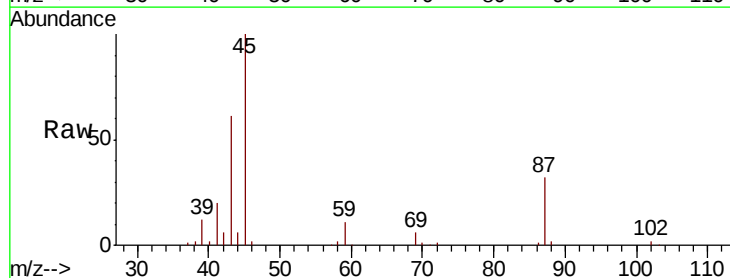
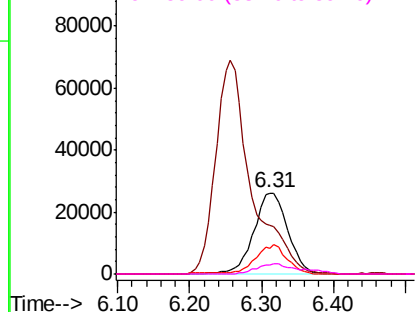
45 100

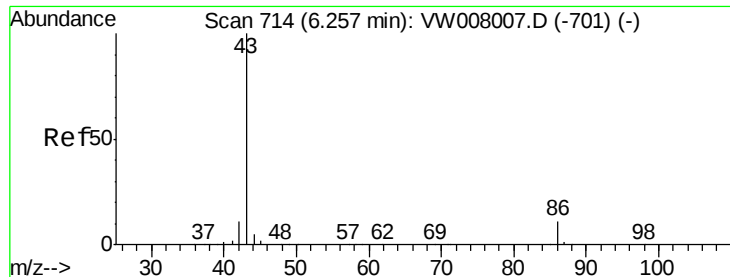
43 60.1 48.1 72.1

87 32.3 25.8 38.8

59 10.9 8.7 13.1

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





#23

Vinyl Acetate

Concen: 255.312 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 237214

Ion Ratio Lower Upper

43 100

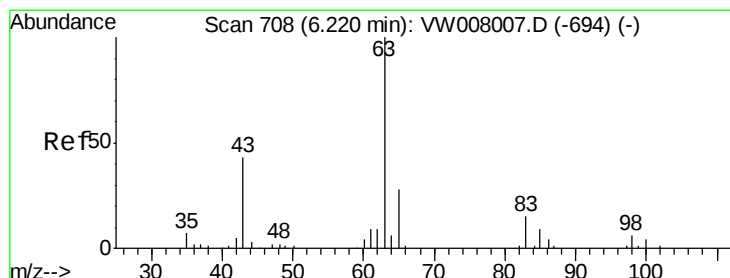
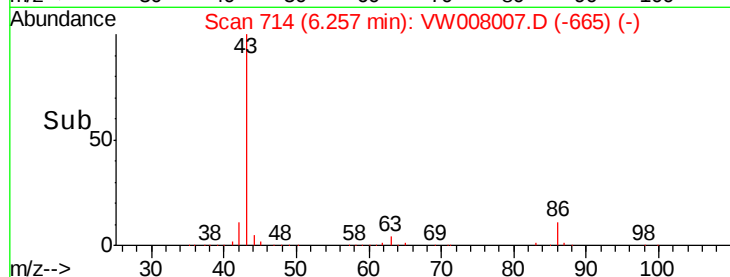
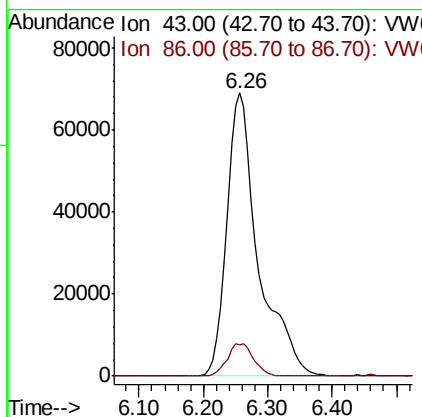
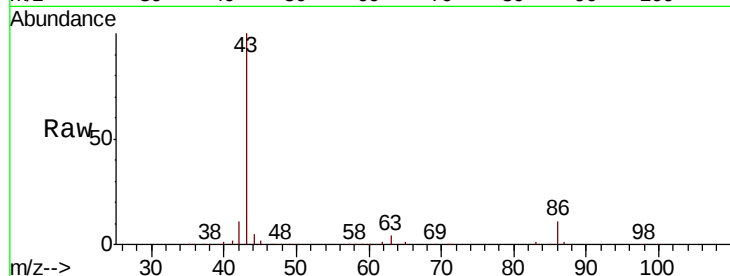
86 11.0 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.959 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

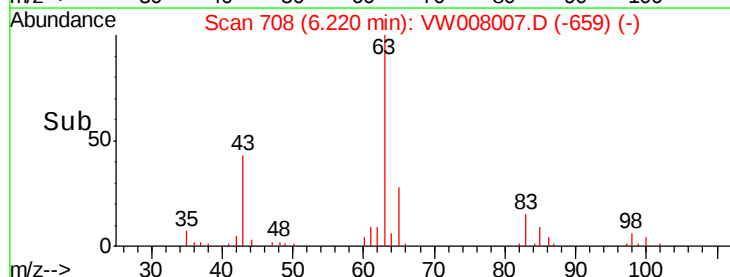
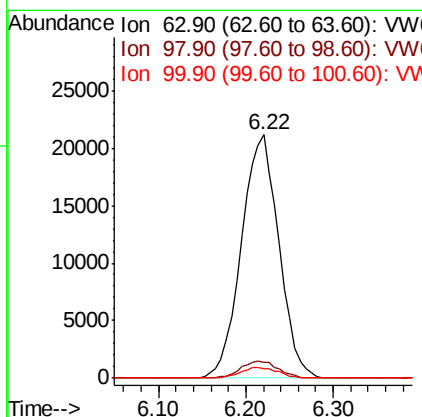
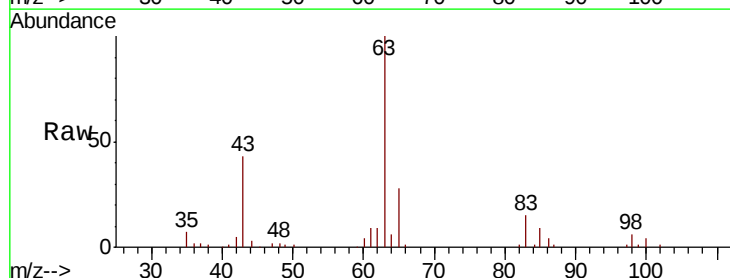
Tgt Ion: 63 Resp: 62875

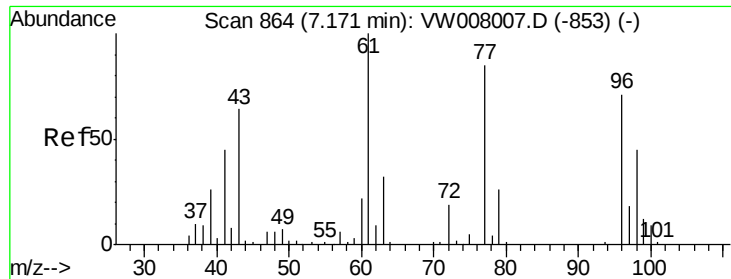
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 251.337 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 34487

Ion Ratio Lower Upper

43 100

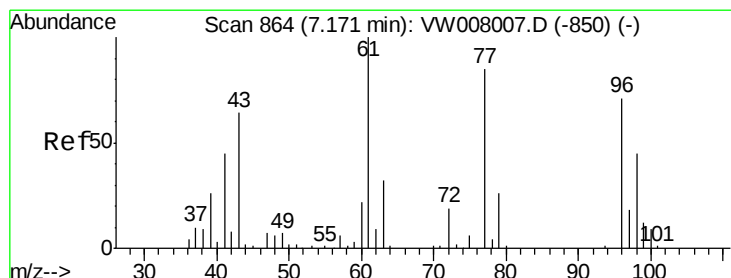
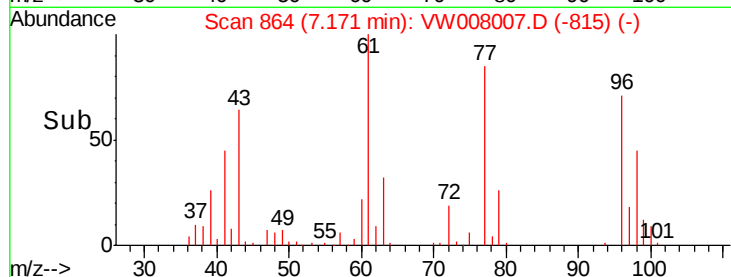
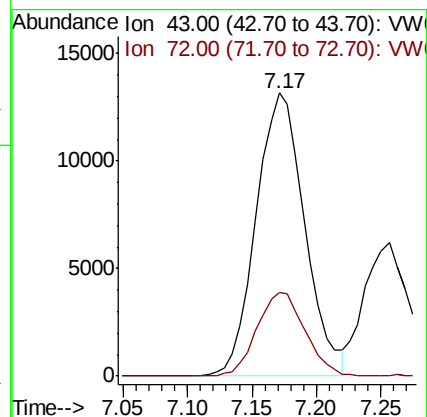
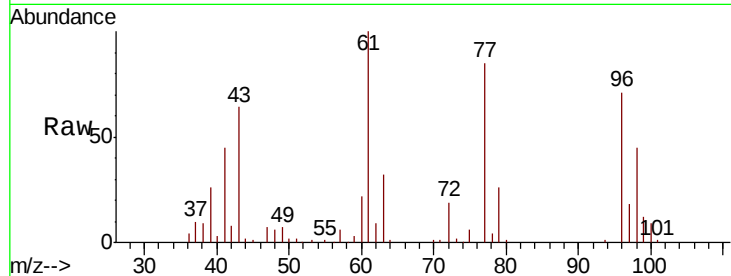
72 29.8 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.123 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008007.D

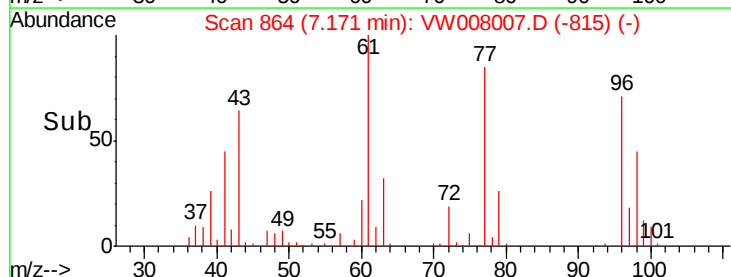
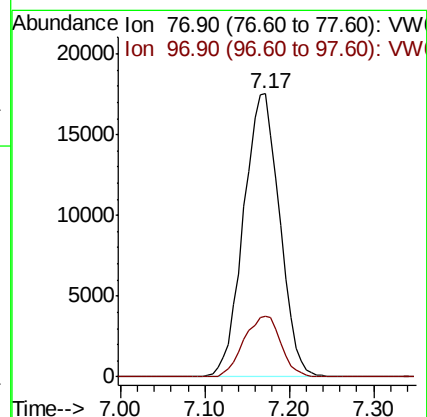
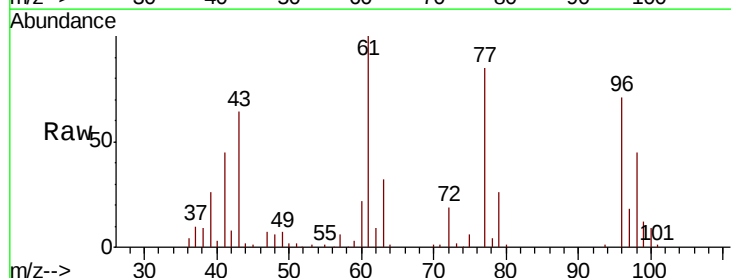
Acq: 02 Jan 2019 14:11

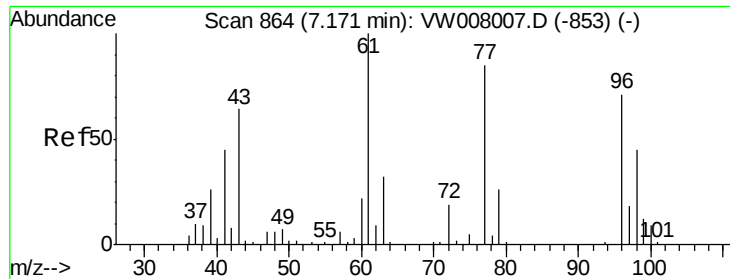
Tgt Ion: 77 Resp: 50952

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0





#27

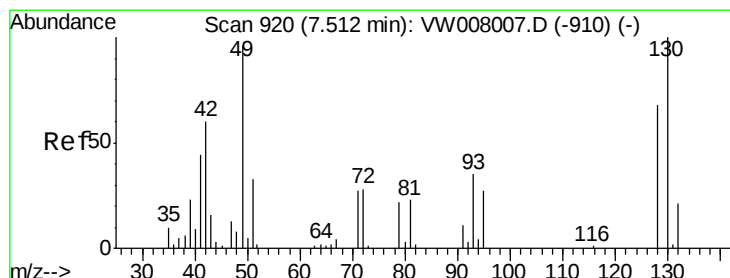
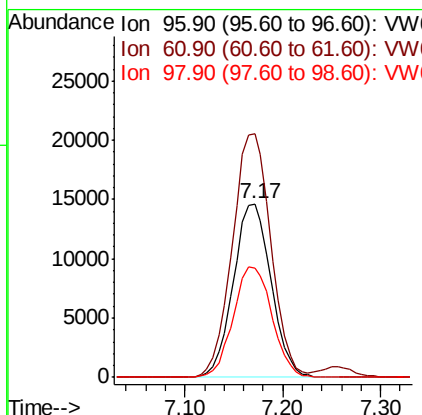
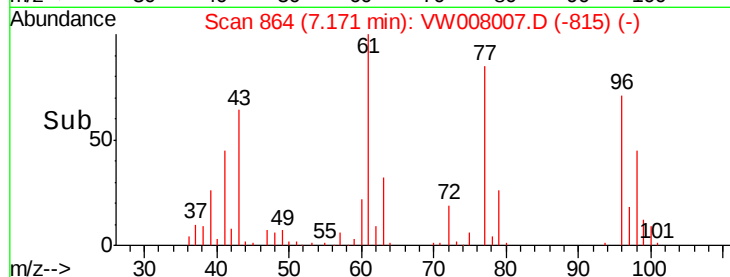
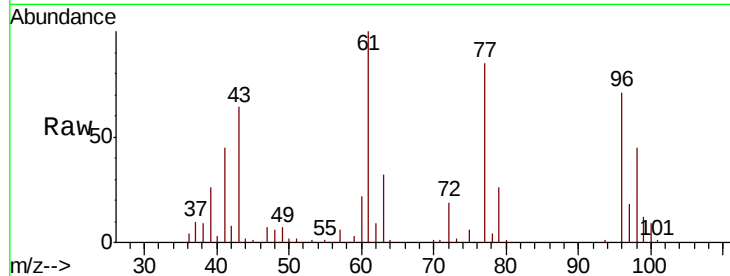
cis-1,2-Dichloroethene
Concen: 49.459 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39145		
61	143.2		0.0	286.4
98	65.3		0.0	130.6

Manual Integrations
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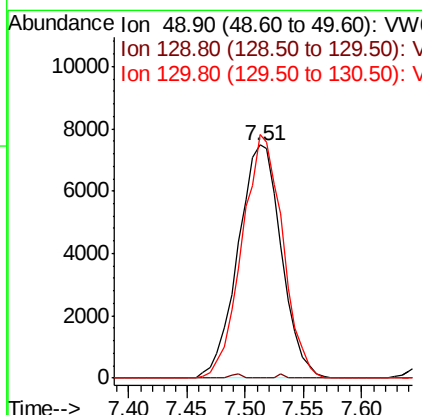
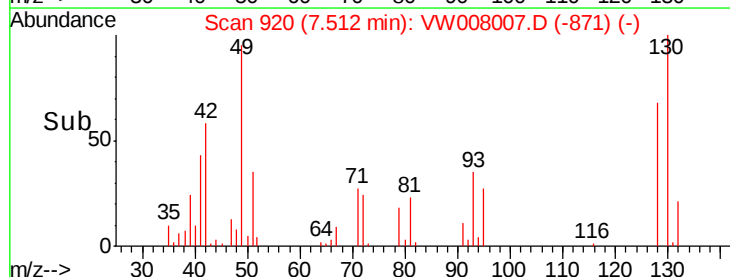
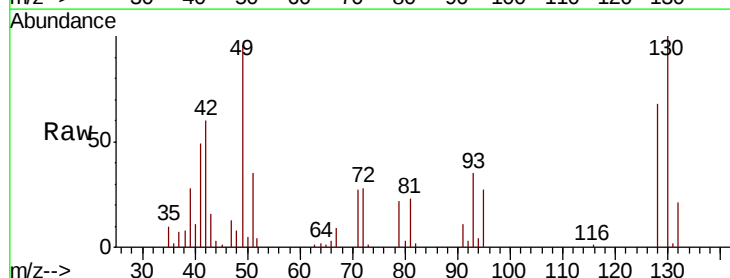
MMDadoda
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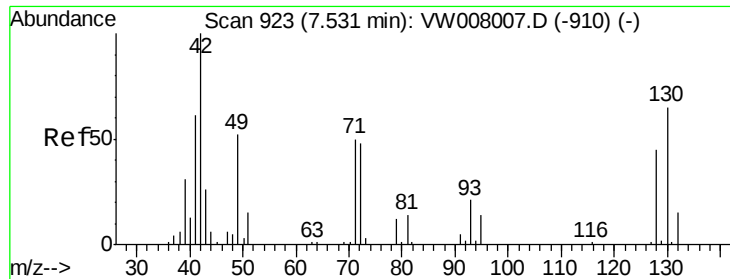


#28

Bromochloromethane
Concen: 48.836 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19367		
129	0.4		0.0	0.8
130	98.1		78.5	117.7





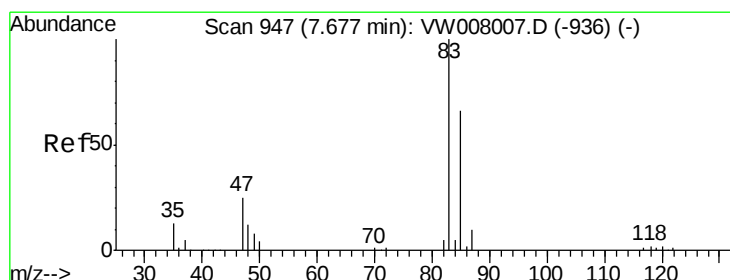
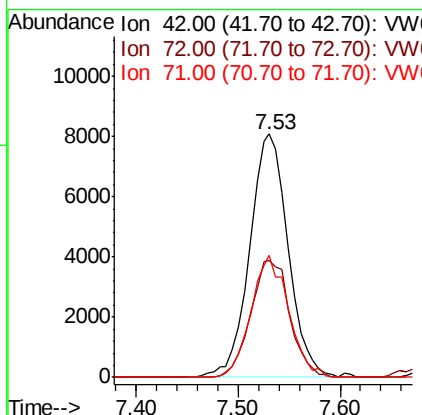
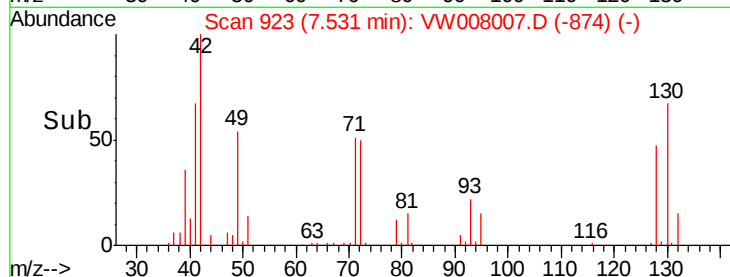
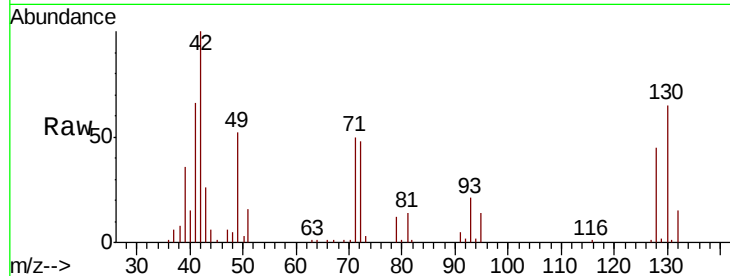
#29
Tetrahydrofuran
Concen: 248.373 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	39.0	58.6
71	48.9	39.1	58.7

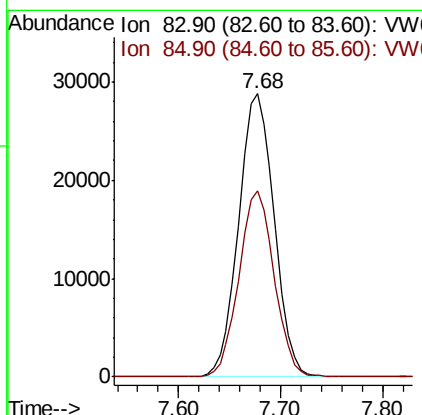
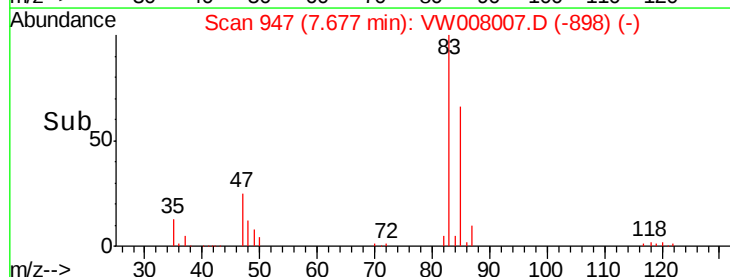
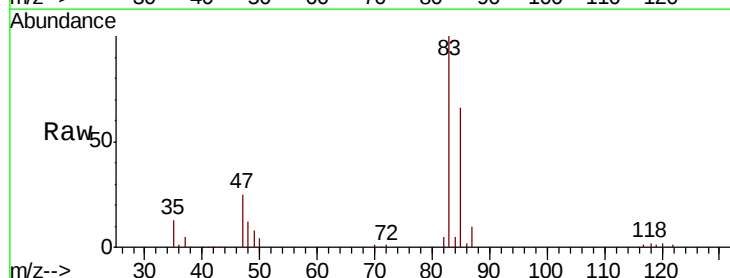
Manual Integrations
APPROVED

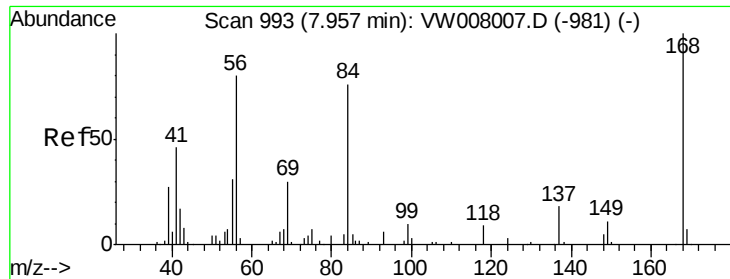
MMDadoda
1/3/2019 10:55:27 AM



#30
Chloroform
Concen: 50.381 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1





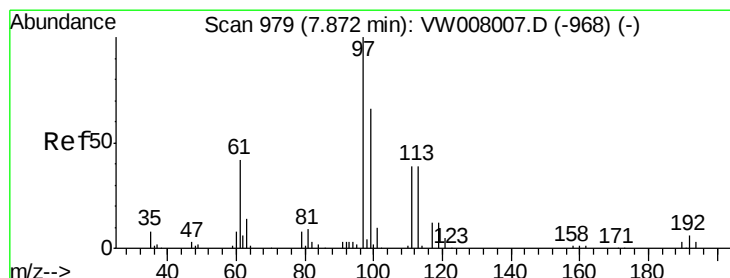
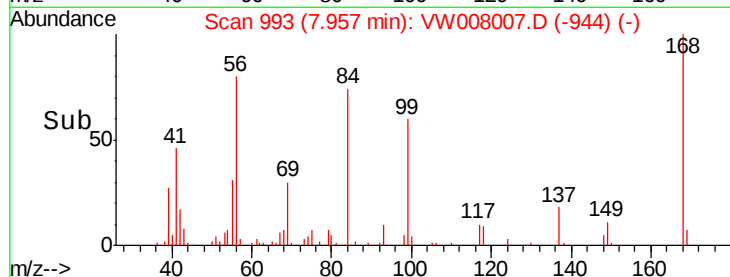
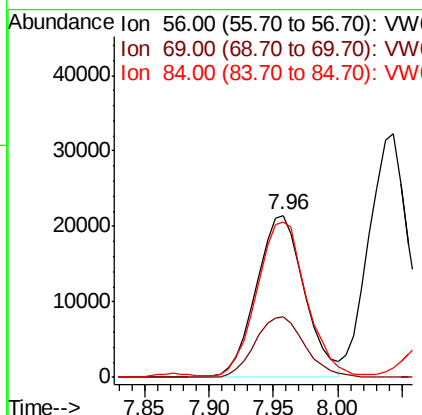
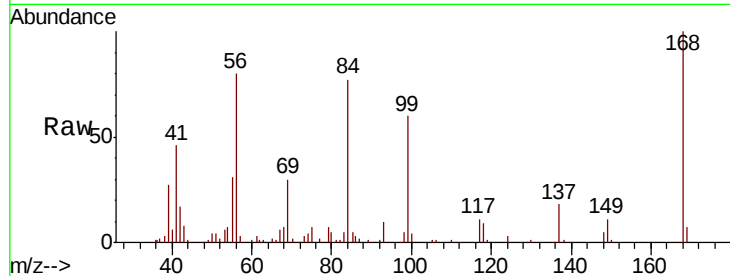
#31
Cyclohexane
Concen: 48.599 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	29.8	44.6
84	94.0	75.2	112.8

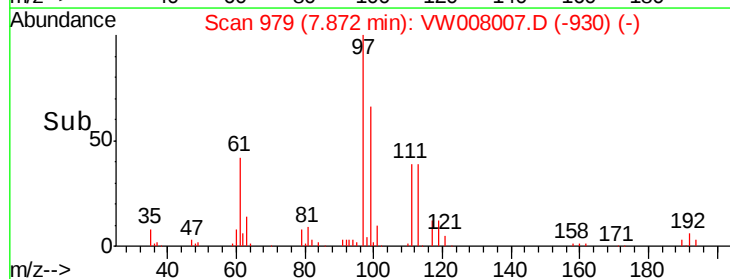
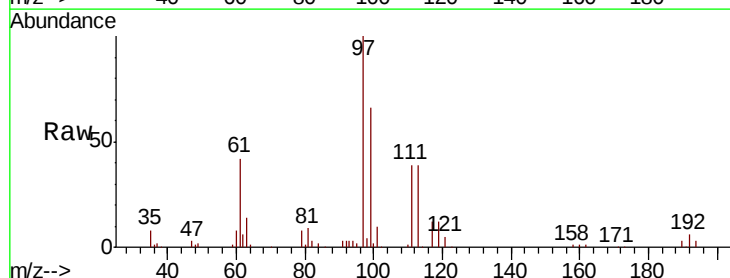
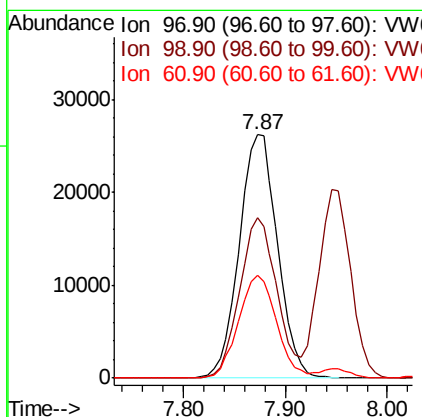
Manual Integrations
APPROVED

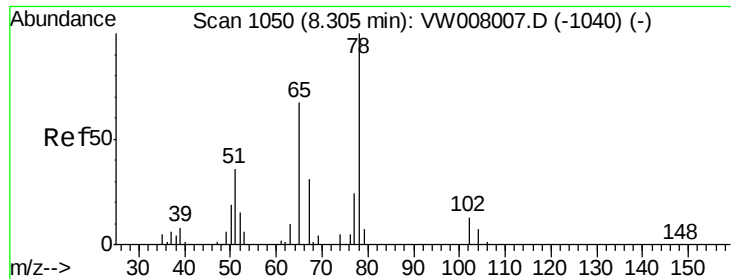
MMDadoda
1/3/2019 10:55:27 AM



#32
1,1,1-Trichloroethane
Concen: 51.569 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	41.7	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 49.335 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 37117

Ion Ratio Lower Upper

65 100

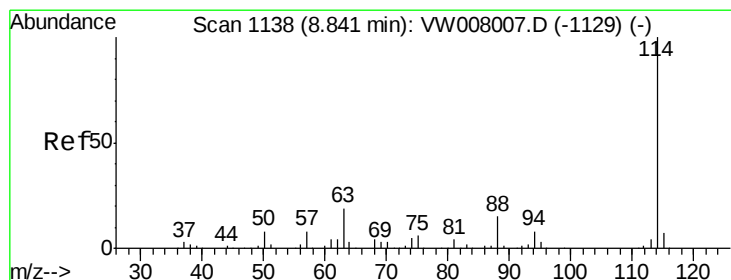
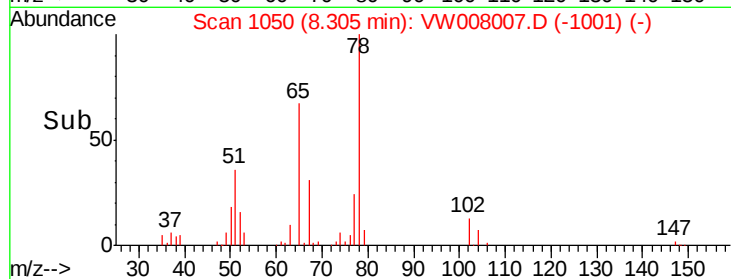
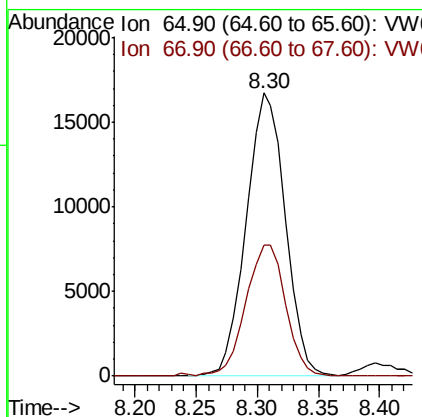
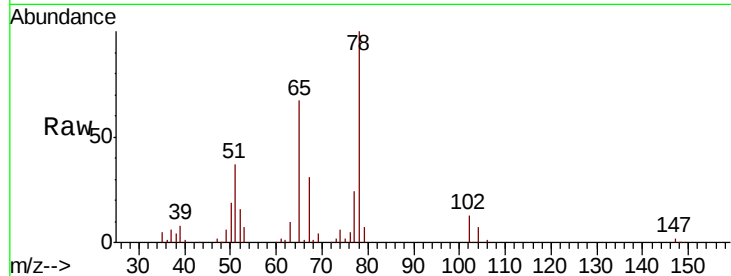
67 47.4 0.0 94.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

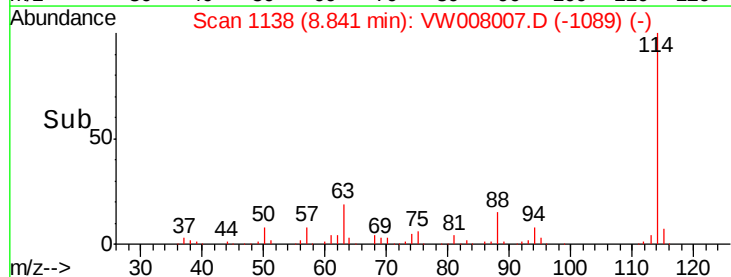
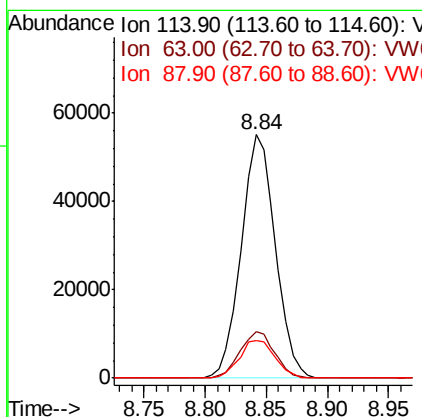
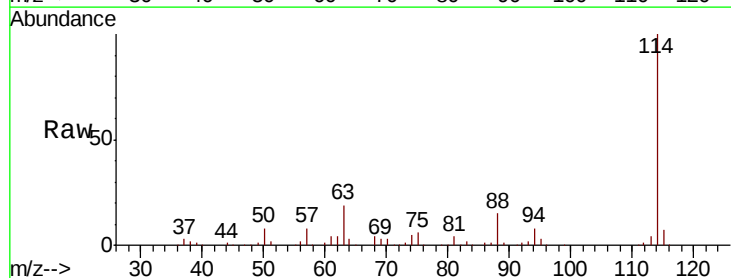
Tgt Ion: 114 Resp: 106398

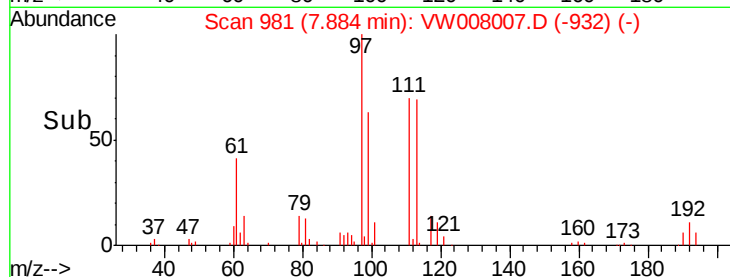
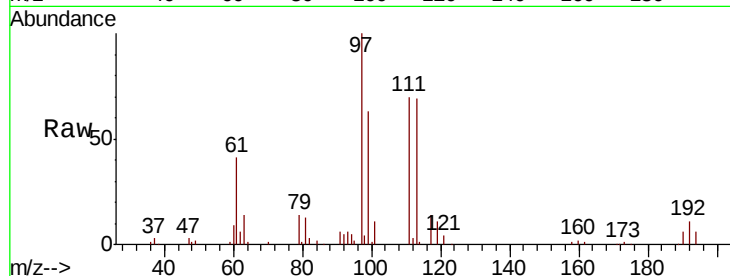
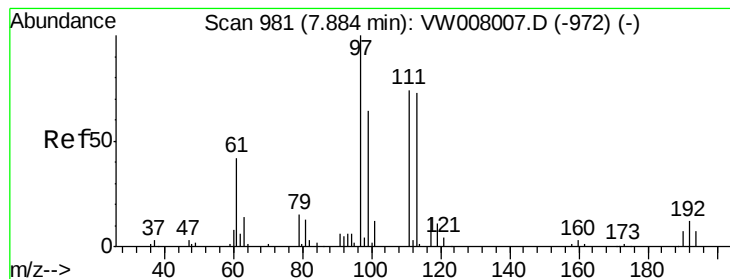
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.8

88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.212 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008007.D

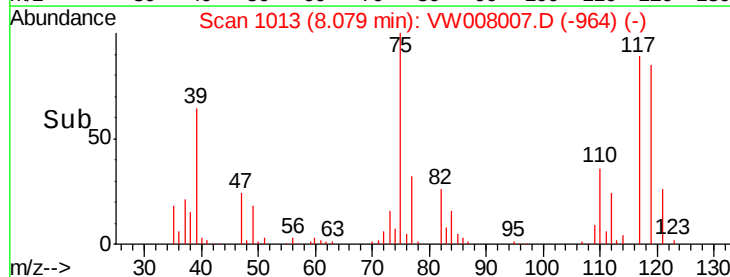
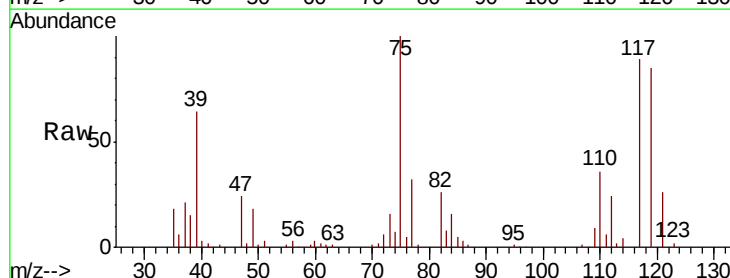
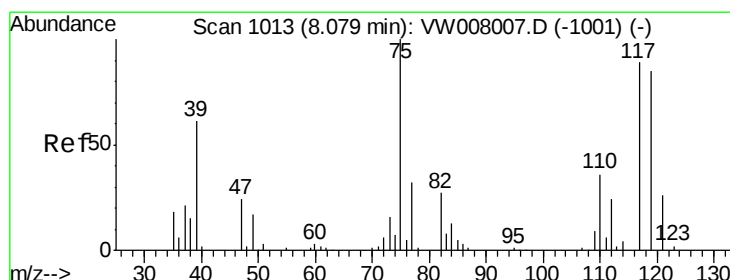
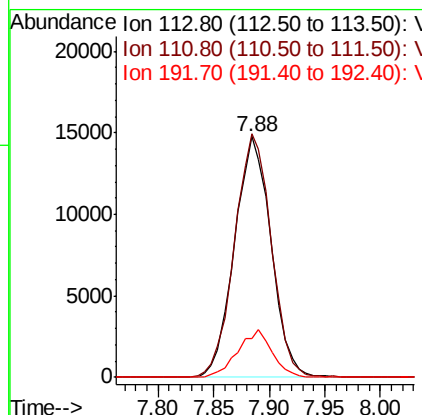
Acq: 02 Jan 2019 14:11

Tot Ion:	113	Resp:	33679
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	18.5	14.8	22.2

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.735 ug/l

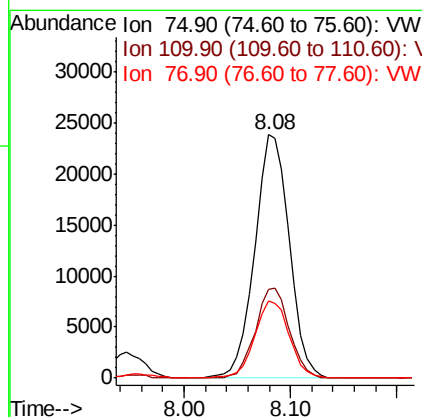
RT: 8.08 min Scan# 1013

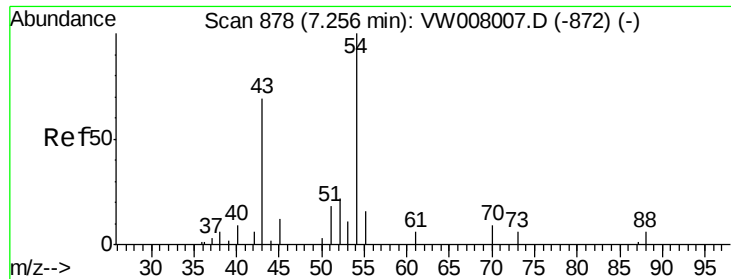
Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion:	75	Resp:	54300
Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.3
77	31.6	25.3	37.9





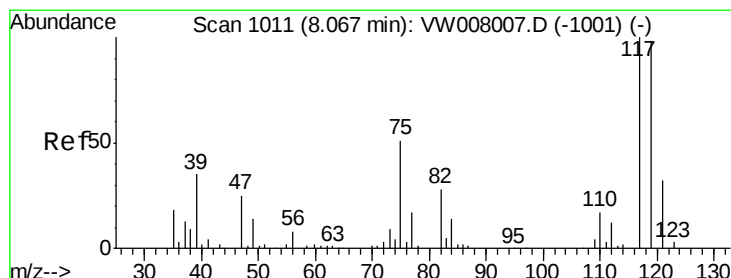
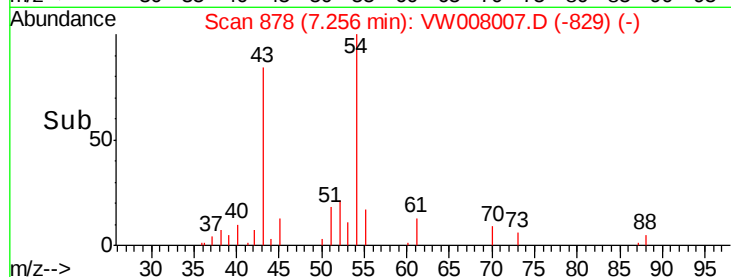
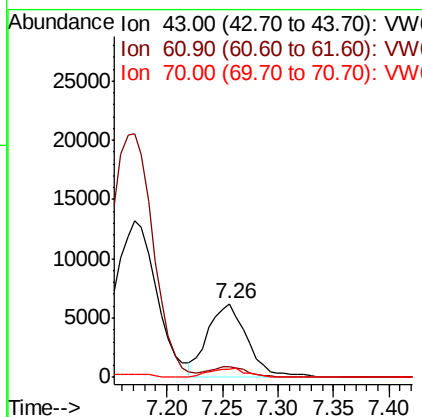
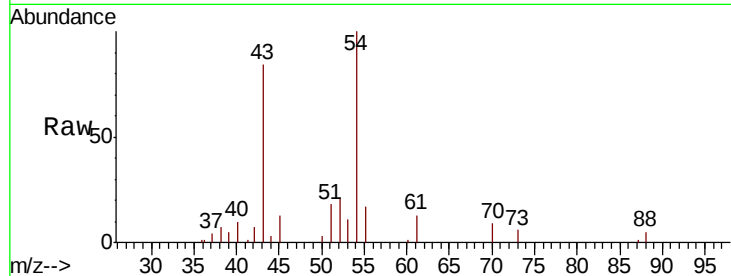
#37
Ethyl Acetate
Concen: 48.904 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.3	11.4	17.2	
70	11.7	9.4	14.0	

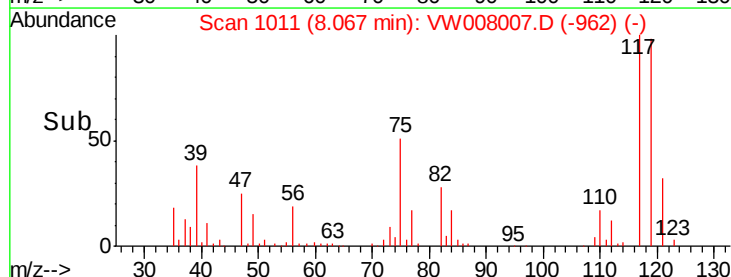
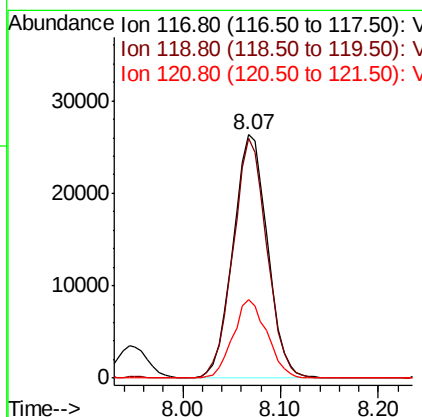
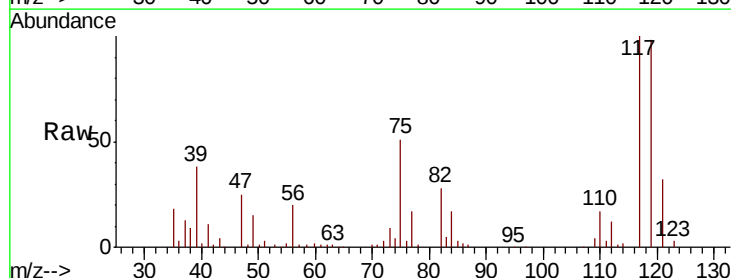
Manual Integrations
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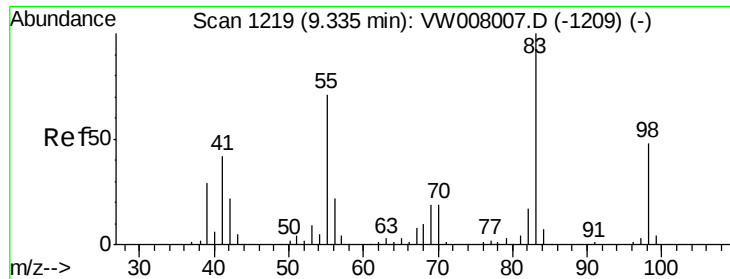
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#38
Carbon Tetrachloride
Concen: 51.129 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.4	78.7	118.1	
121	32.3	25.8	38.8	





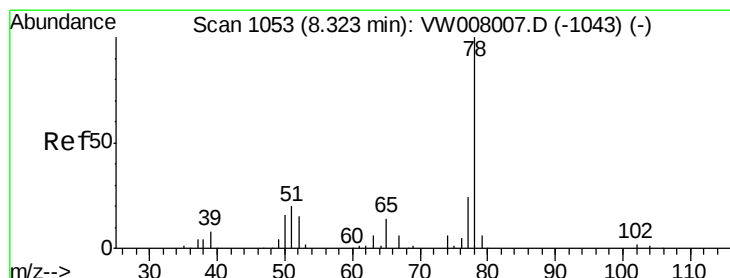
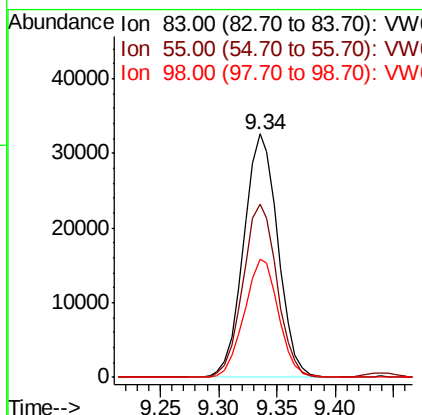
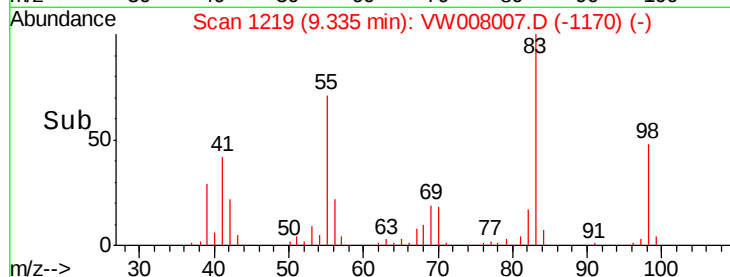
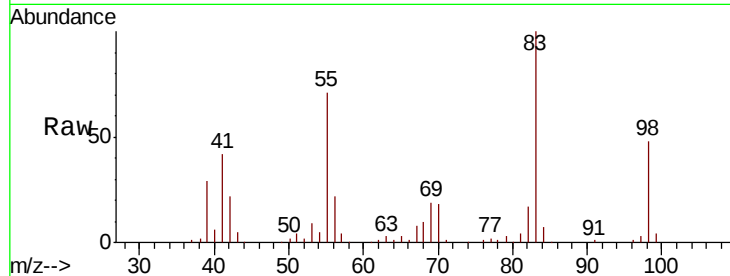
#39
Methvlcvclohexane
Concen: 51.106 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	56.8	85.2
98	48.3	38.6	58.0

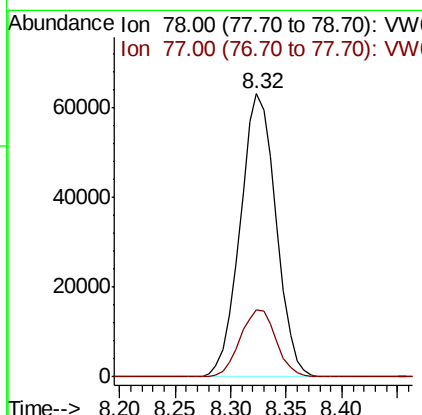
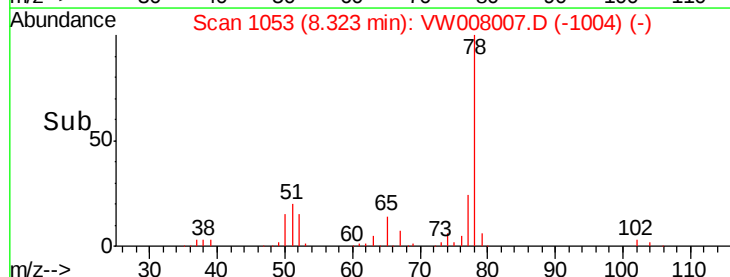
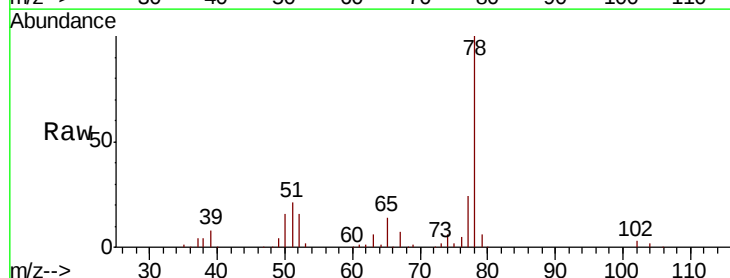
Manual Integrations
APPROVED

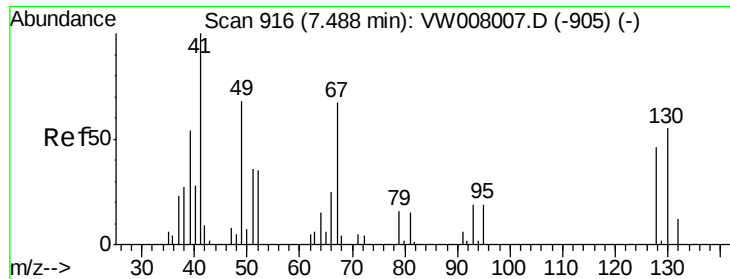
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#40
Benzene
Concen: 50.854 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





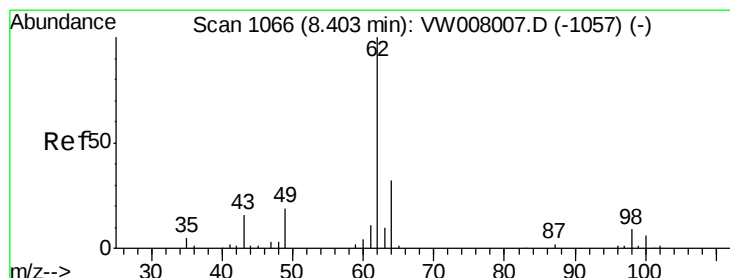
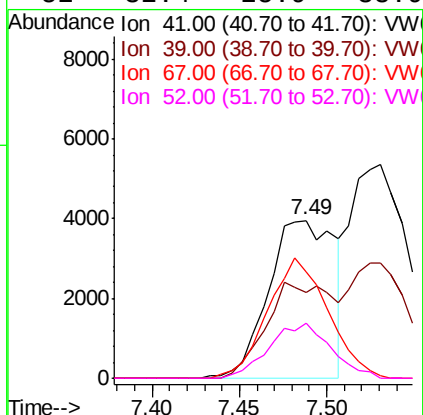
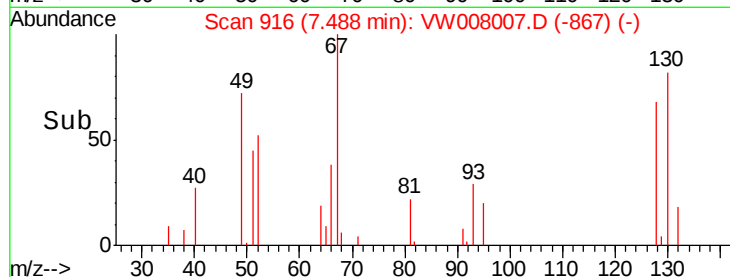
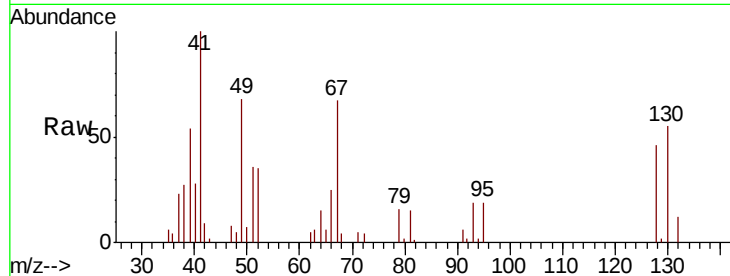
#41
Methacrylonitrile
Concen: 53.818 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion:	41	Resp:	10454
Ion	Ratio	Lower	Upper
41	100		
39	60.7	48.6	72.8
67	69.5	55.6	83.4
52	32.4	25.9	38.9

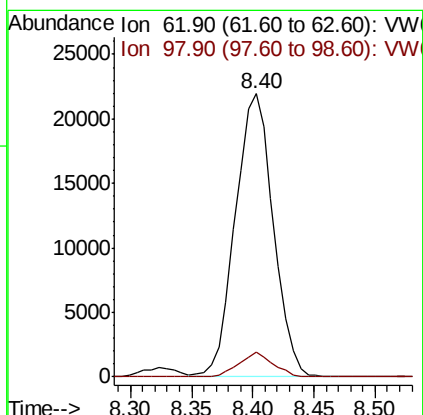
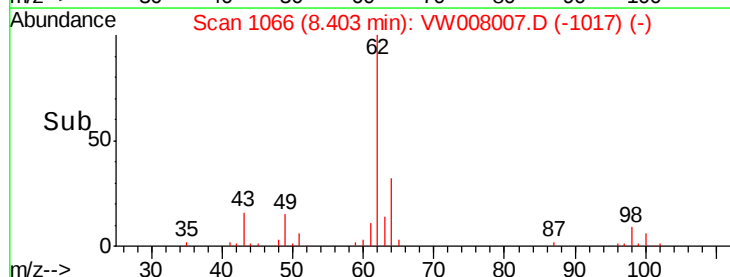
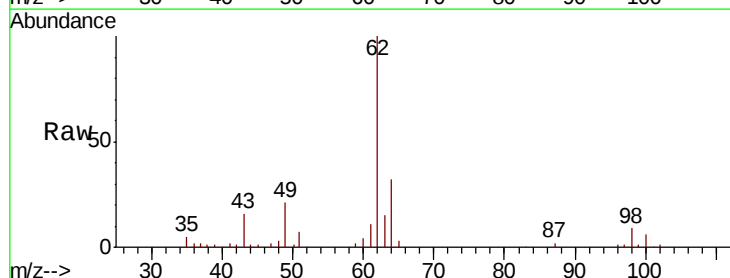
Manual Integrations
APPROVED

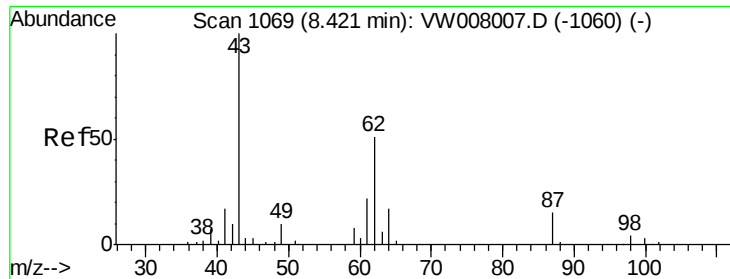
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.089 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion:	62	Resp:	47132
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 51.914 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

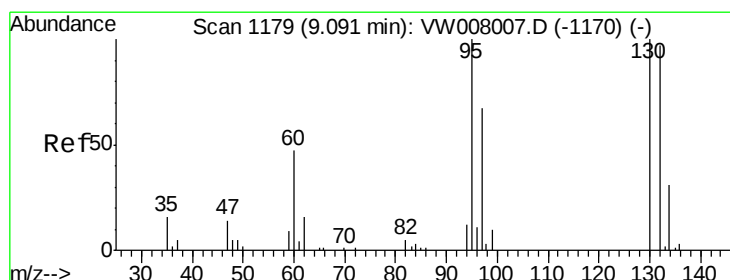
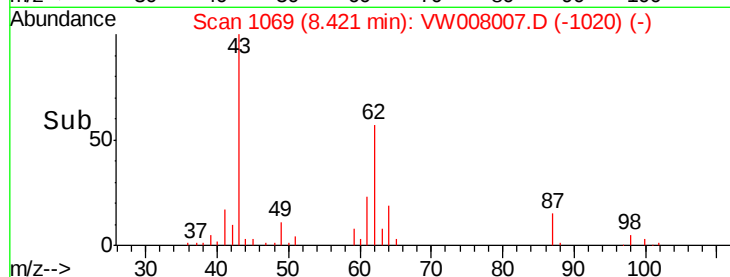
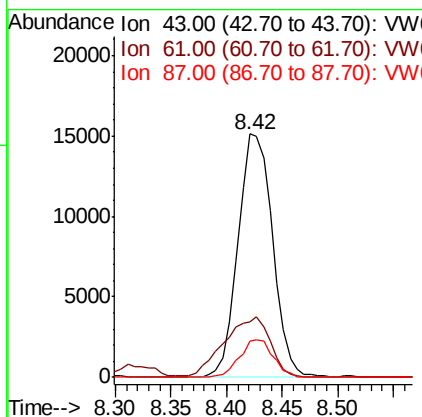
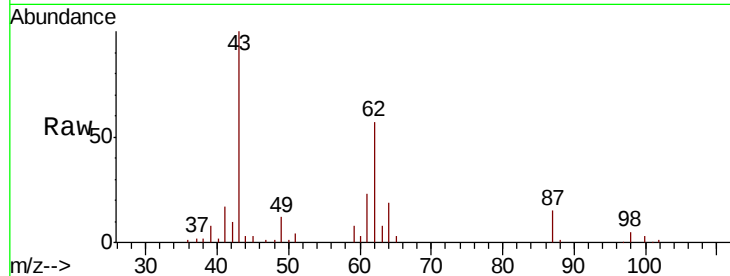
ClientSampled :

VSTDICCC050

Tot Ion:	43	Resp:	32702
Ion	Ratio	Lower	Upper
43	100		
61	33.0	26.4	39.6
87	15.0	12.0	18.0

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#44

Trichloroethene

Concen: 50.906 ug/l

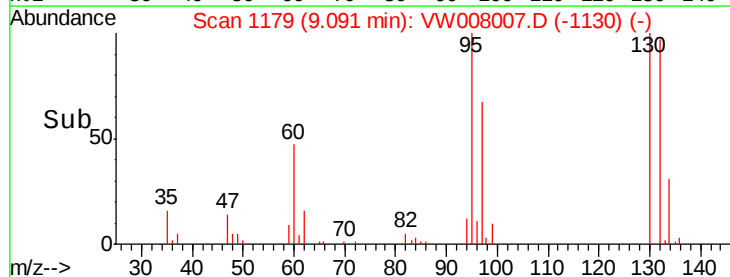
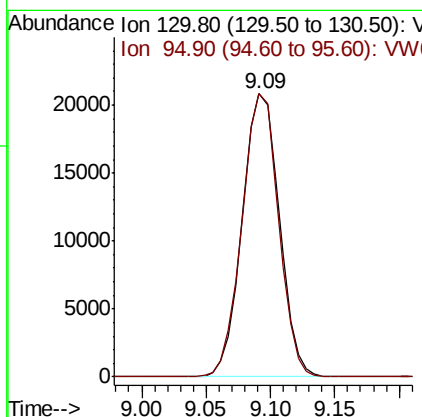
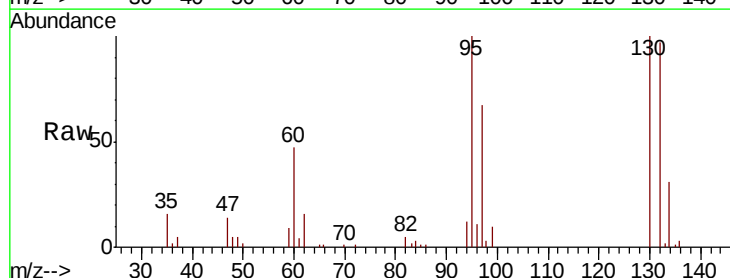
RT: 9.09 min Scan# 1179

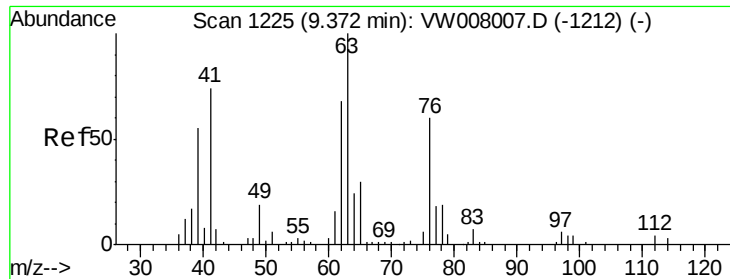
Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion:	130	Resp:	41594
Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	200.0





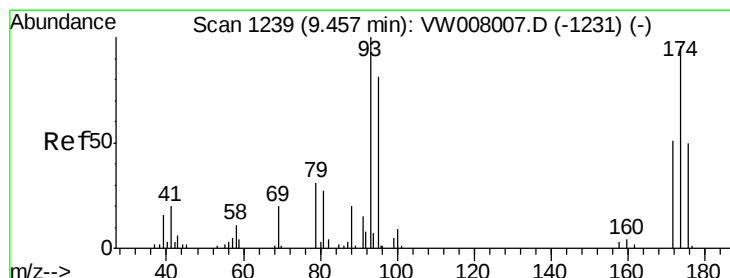
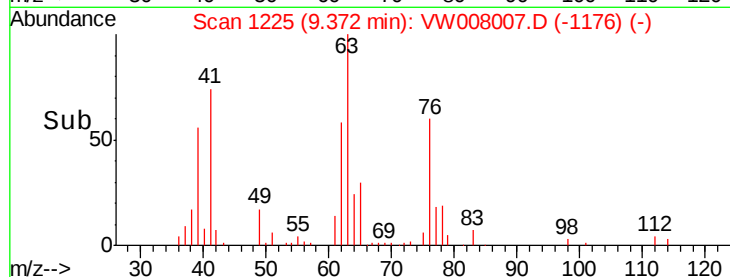
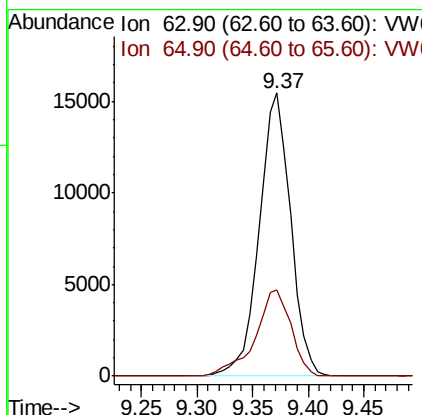
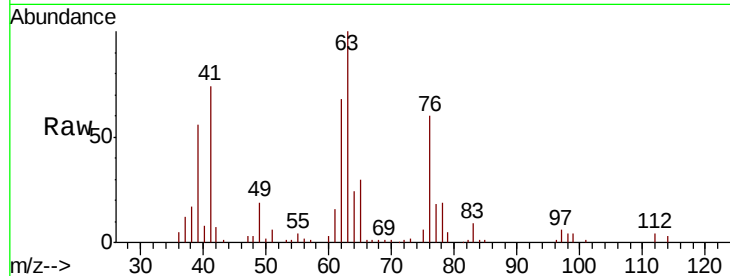
#45
 1,2-Dichloropropane
 Concen: 50.875 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 30491
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.2 36.4

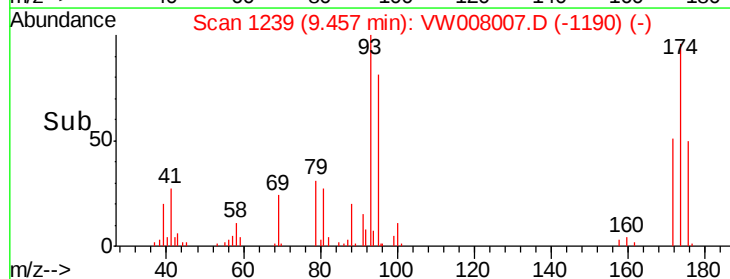
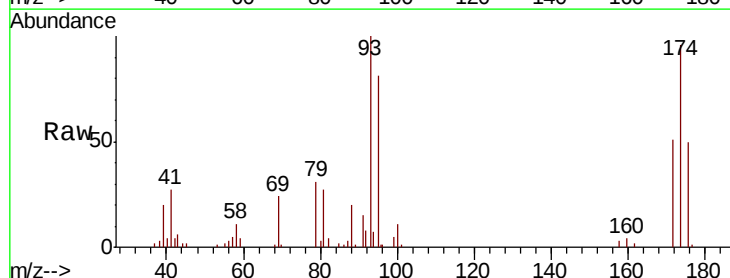
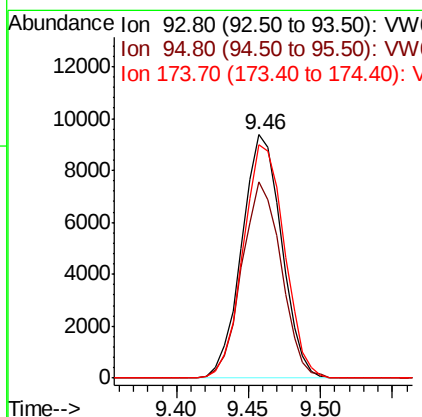
Manual Integrations
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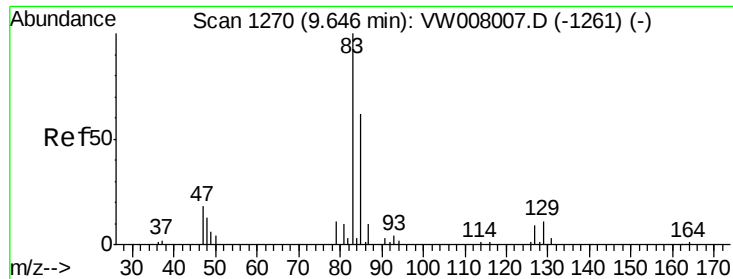
MMDadoda
 1/3/2019 10:55:27 AM



#46
 Dibromomethane
 Concen: 51.347 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion: 93 Resp: 17992
 Ion Ratio Lower Upper
 93 100
 95 79.9 63.9 95.9
 174 98.8 79.0 118.6





#47

Bromodichloromethane

Concen: 50.370 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

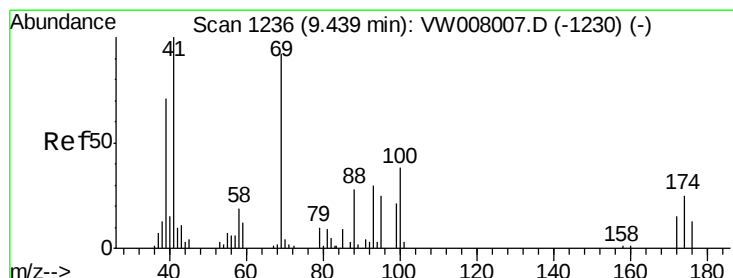
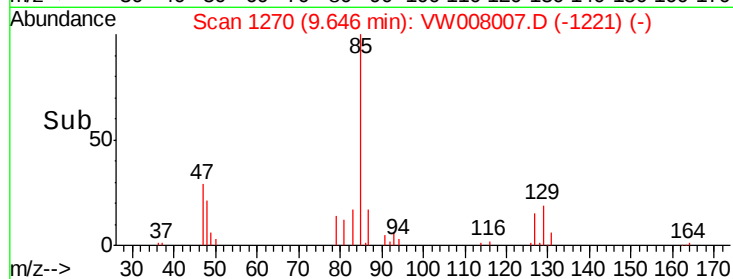
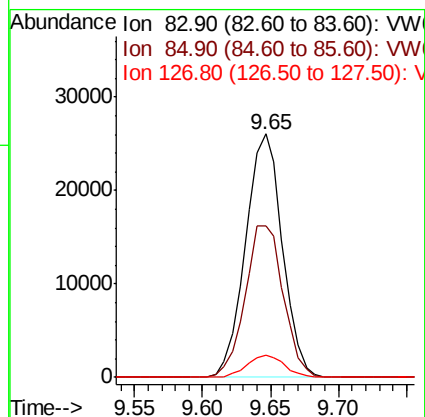
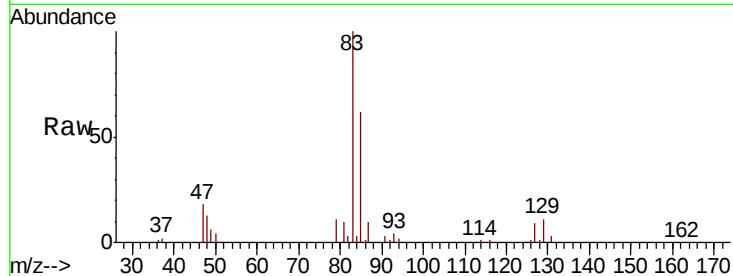
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	49435
Ion Ratio	Lower	Upper	
83	100		
85	61.9	49.5	74.3
127	9.4	7.5	11.3

Manual Integrations
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MMDadoda
1/3/2019 10:55:27 AM



#48

Methyl methacrylate

Concen: 49.748 ug/l

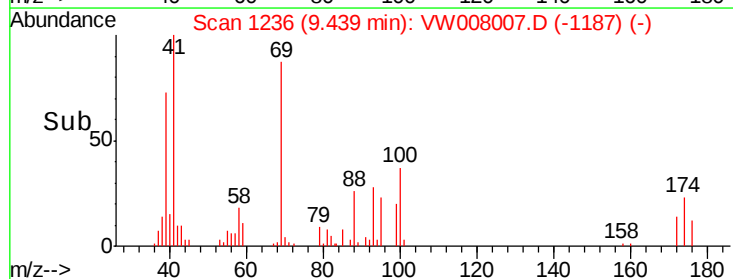
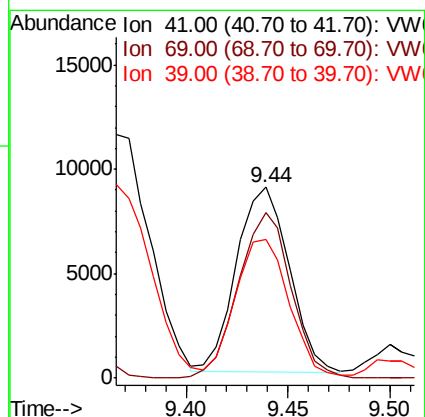
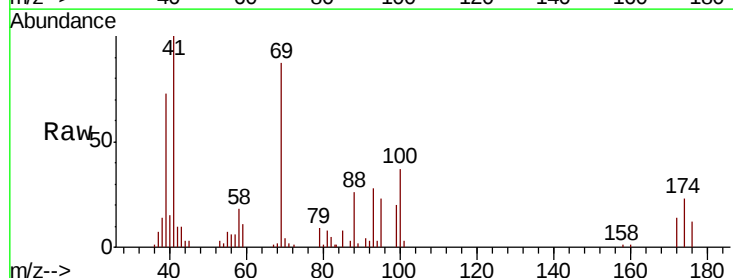
RT: 9.44 min Scan# 1236

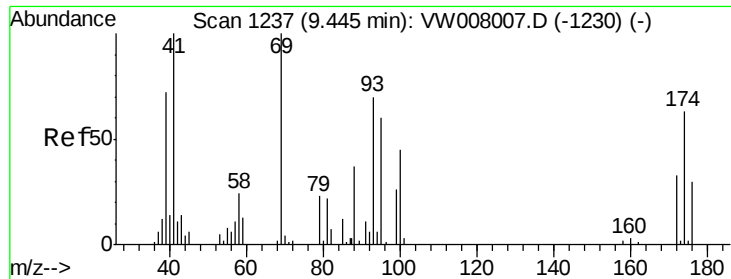
Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion:	41	Resp:	15801
Ion Ratio	Lower	Upper	
41	100		
69	90.4	72.3	108.5
39	73.4	58.7	88.1





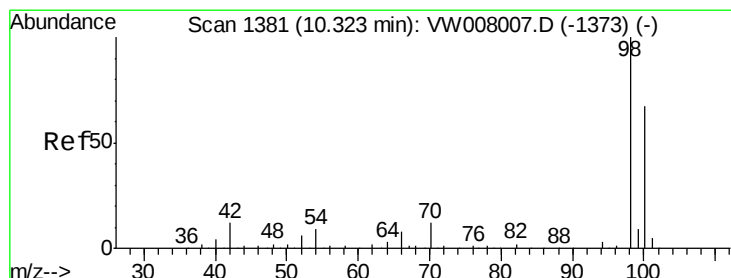
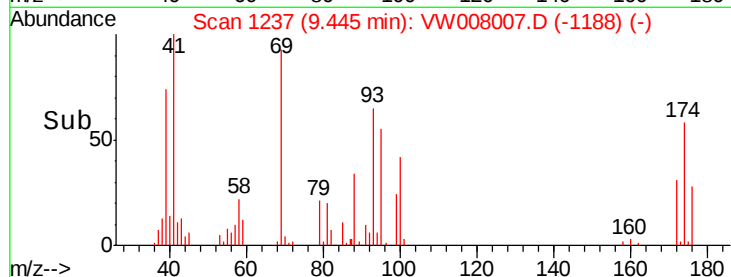
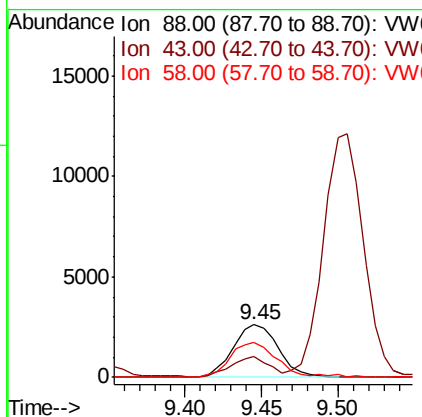
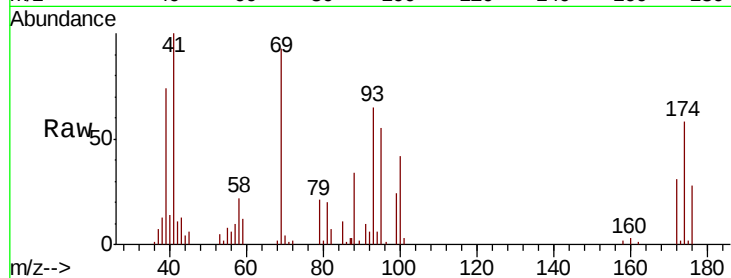
#49
1,4-Dioxane
Concen: 1032.693 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.8	40.2
58	69.7	55.8	83.6

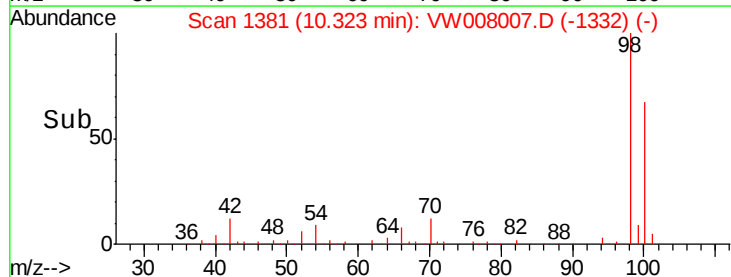
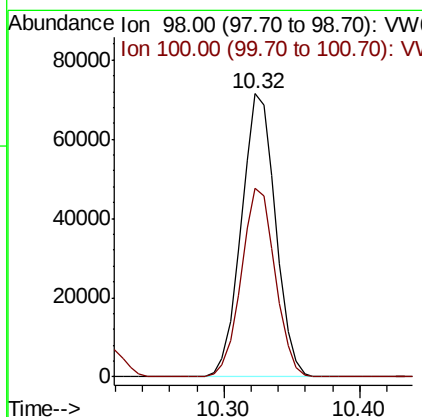
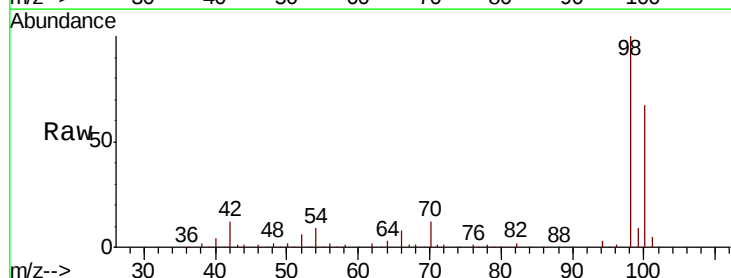
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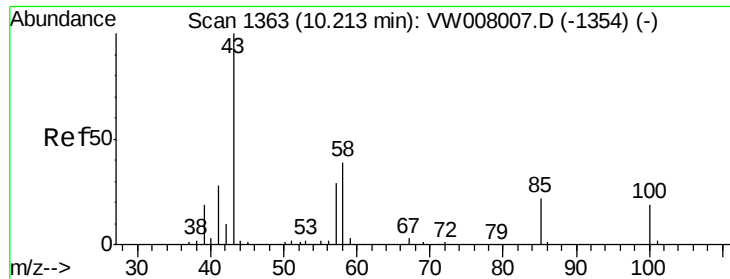
MMDadoda
1/3/2019 10:55:27 AM



#50
Toluene-d8
Concen: 49.853 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 251.018 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 73194

Ion Ratio Lower Upper

43 100

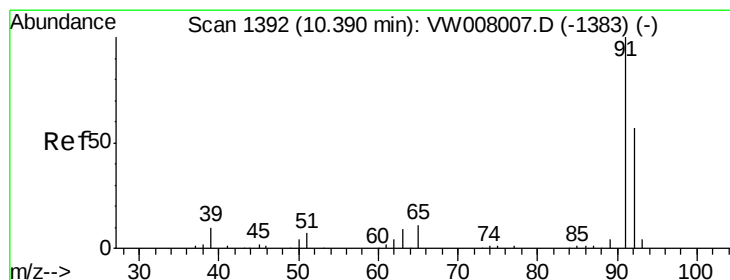
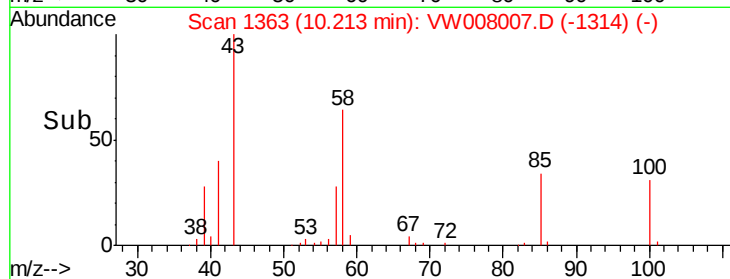
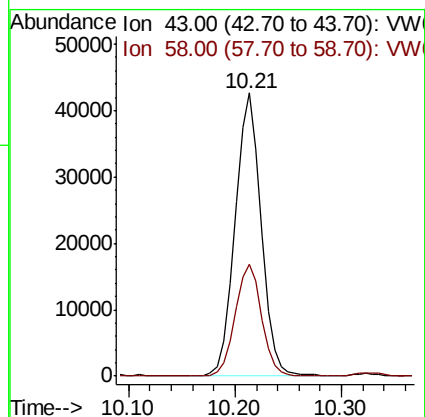
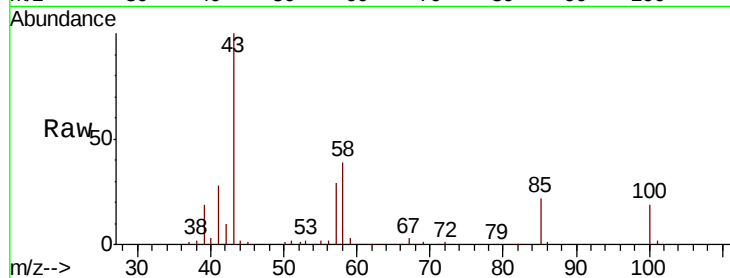
58 40.0 32.0 48.0

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#52

Toluene

Concen: 51.045 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008007.D

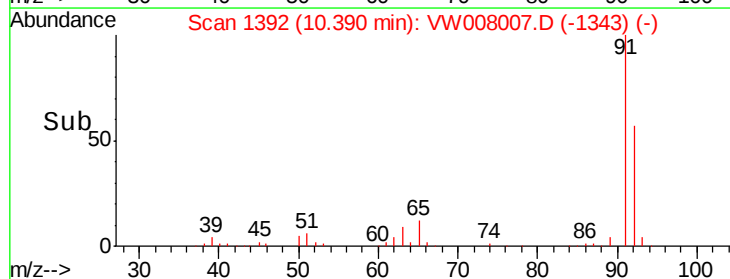
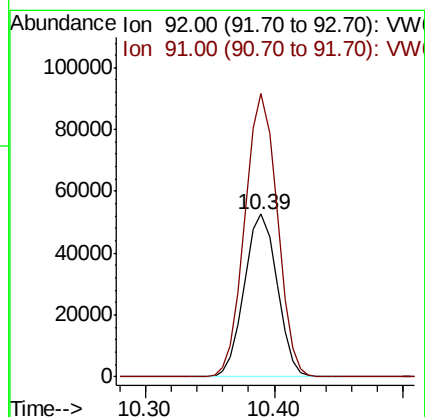
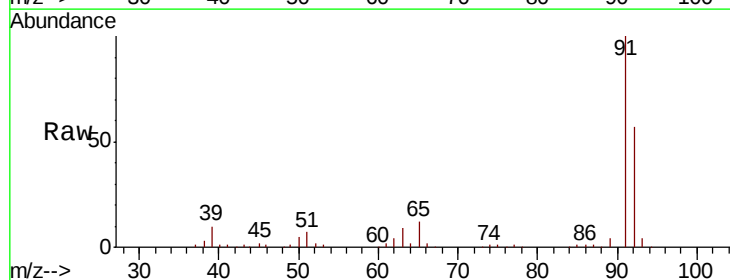
Acq: 02 Jan 2019 14:11

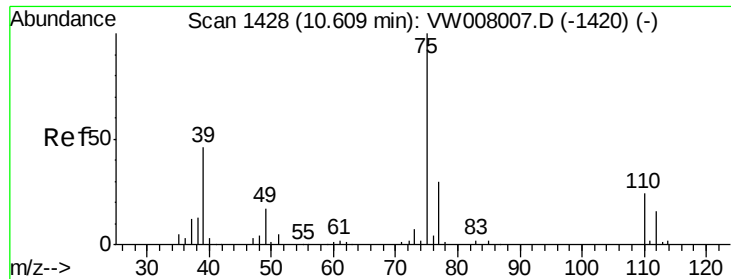
Tgt Ion: 92 Resp: 93306

Ion Ratio Lower Upper

92 100

91 171.1 136.9 205.3





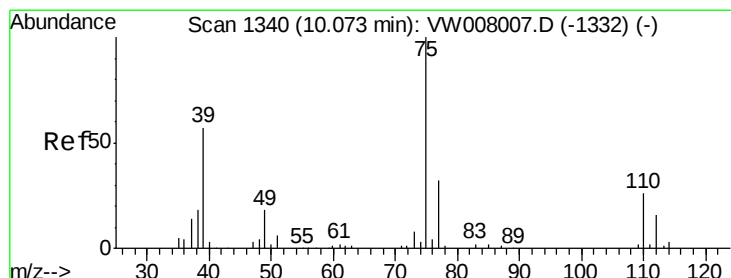
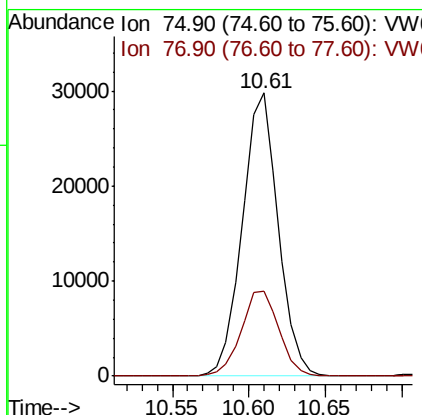
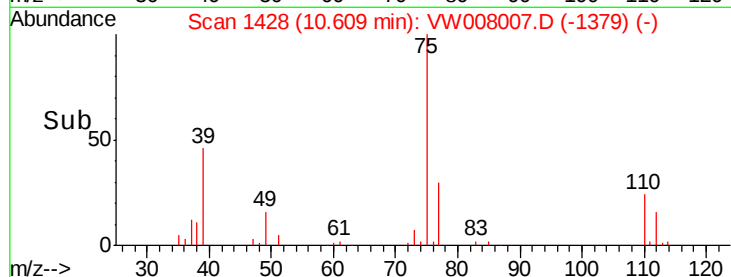
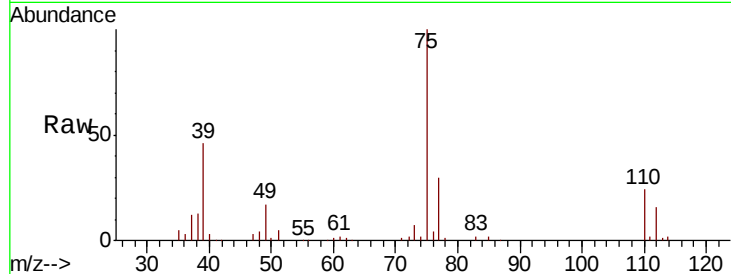
#53
 t-1,3-Dichloropropene
 Concen: 51.259 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 48375
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.0 36.0

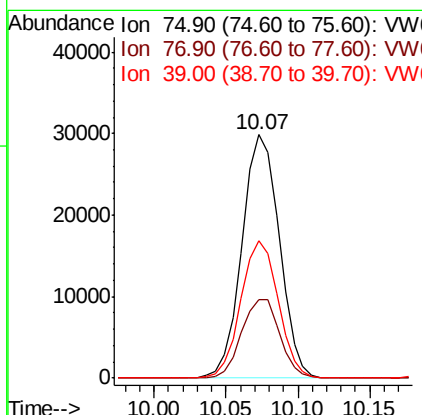
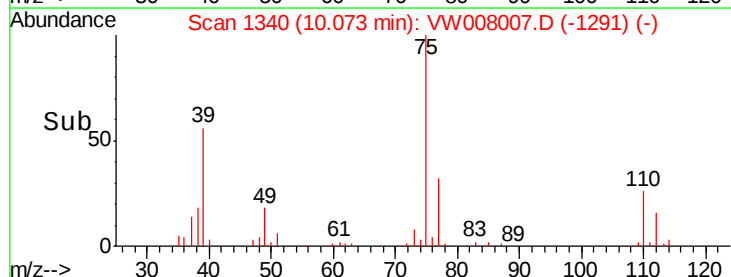
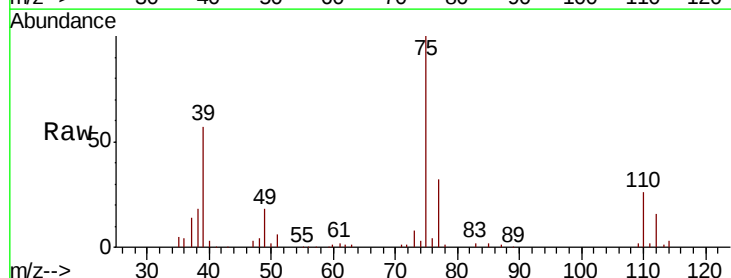
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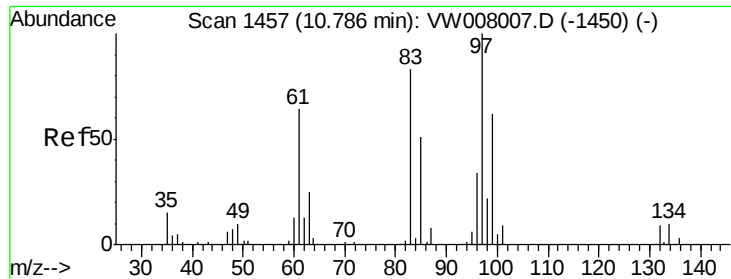
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#54
 cis-1,3-Dichloropropene
 Concen: 50.873 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion: 75 Resp: 53574
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9
 39 56.7 45.4 68.0





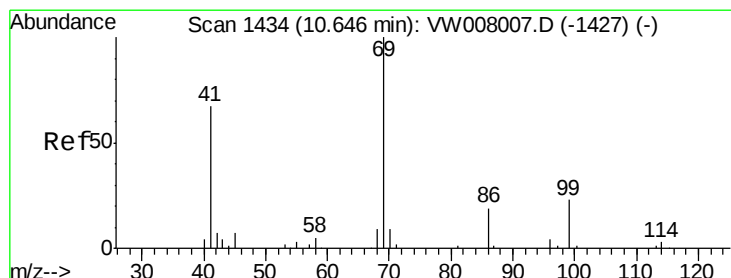
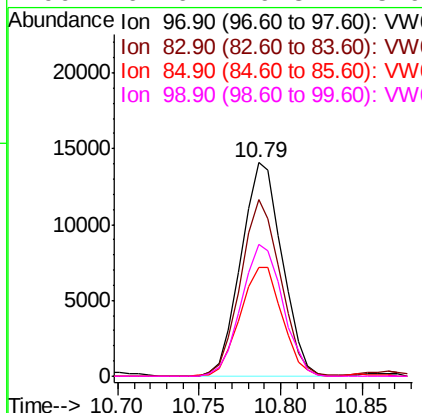
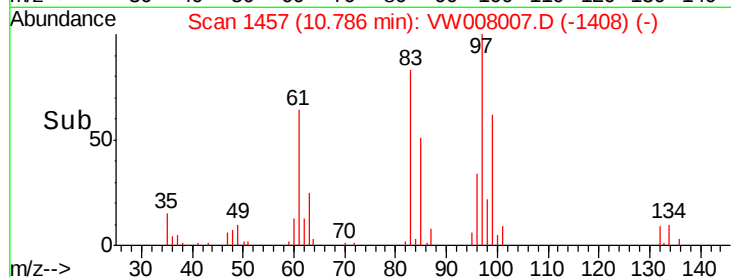
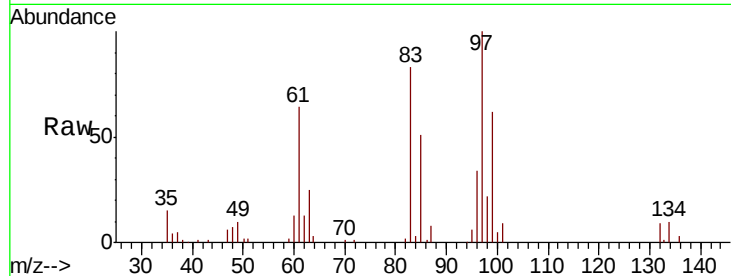
#55
 1,1,2-Trichloroethane
 Concen: 52.204 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	24767
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.2	99.2
85	51.2	41.0	61.4
99	61.6	49.3	73.9

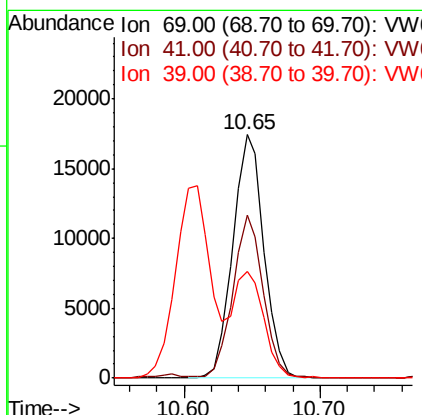
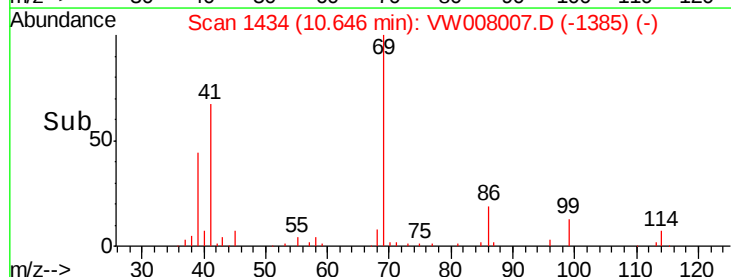
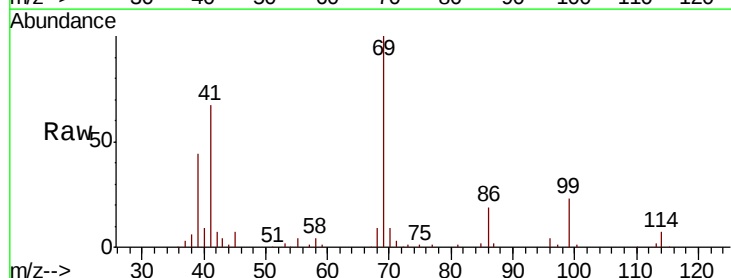
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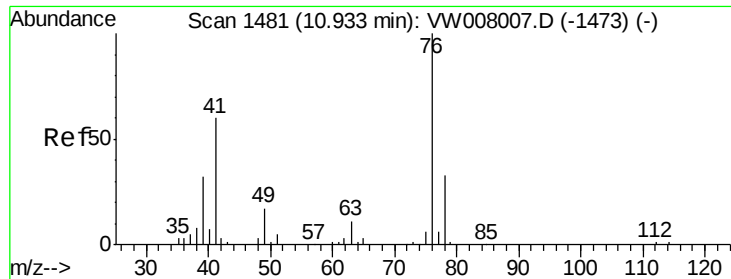
MMDadoda
 1/3/2019 10:55:27 AM



#56
 Ethyl methacrylate
 Concen: 51.583 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion:	69	Resp:	27666
Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.6	79.0
39	44.7	35.8	53.6





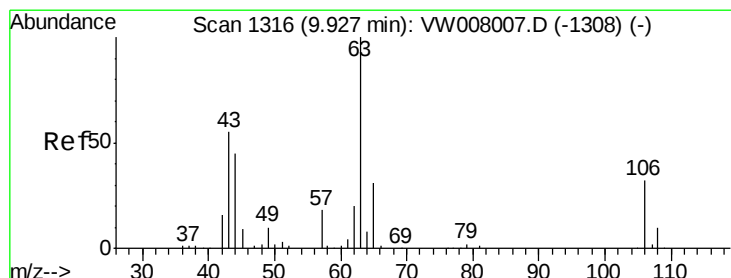
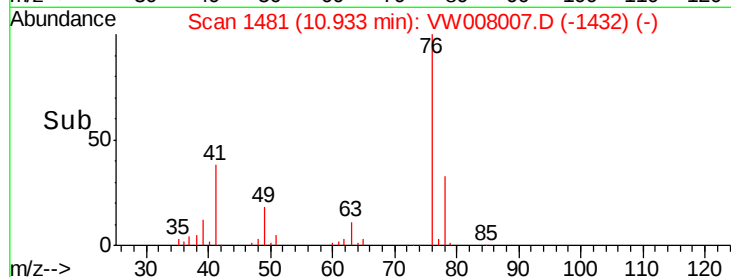
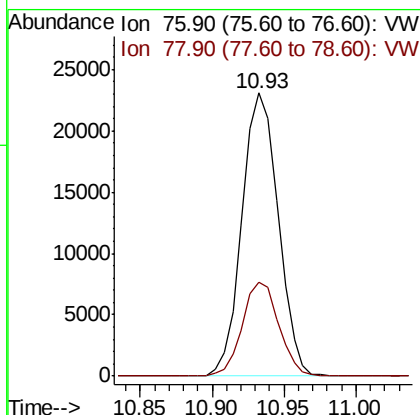
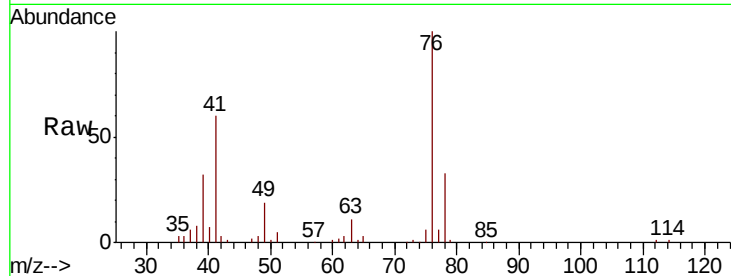
#57
 1,3-Dichloropropane
 Concen: 49.891 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 40219
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.7 40.1

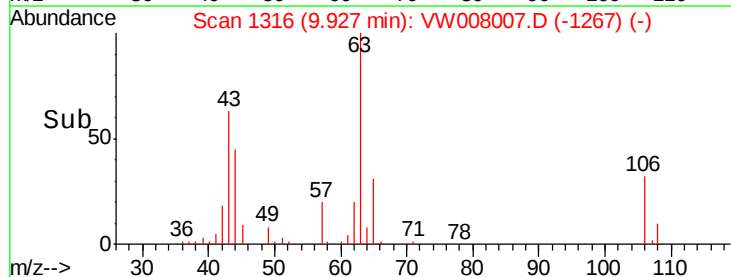
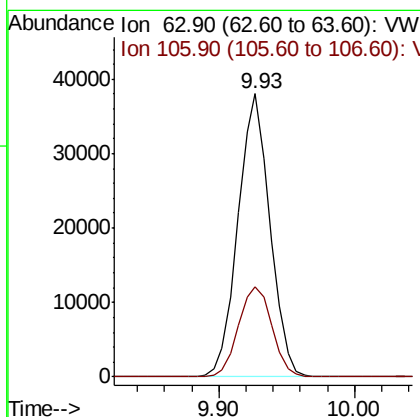
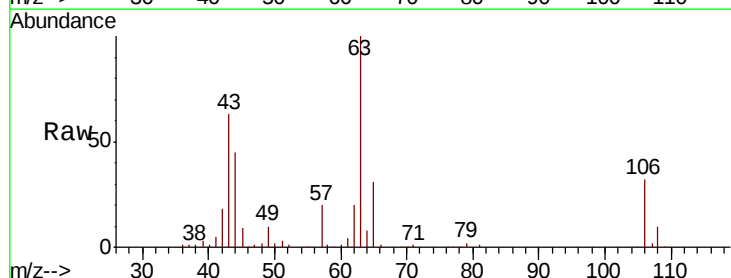
Manual Integrations
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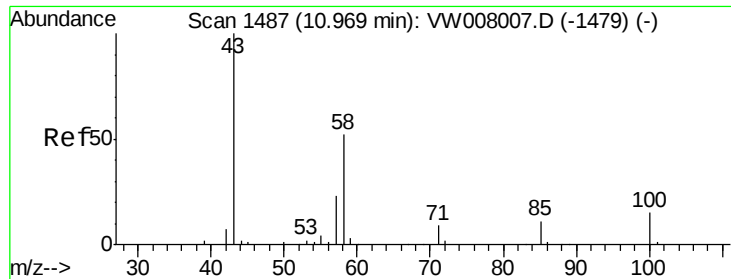
MMDadoda
 1/3/2019 10:55:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.758 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion: 63 Resp: 62258
 Ion Ratio Lower Upper
 63 100
 106 33.6 26.9 40.3





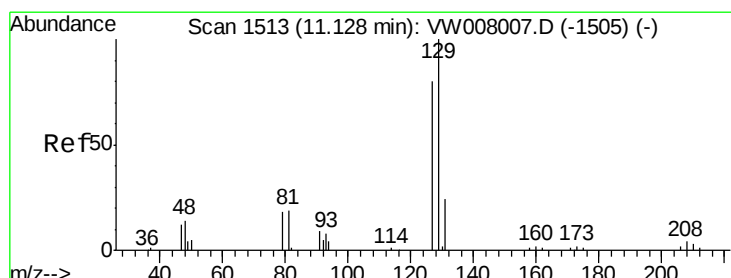
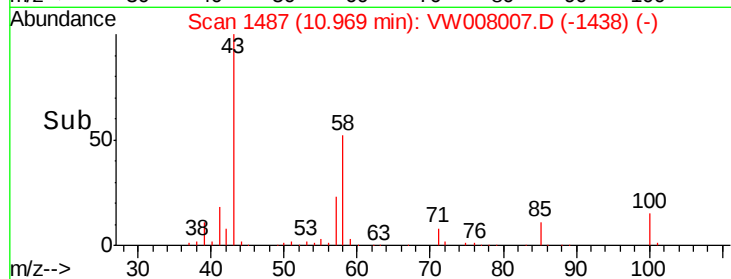
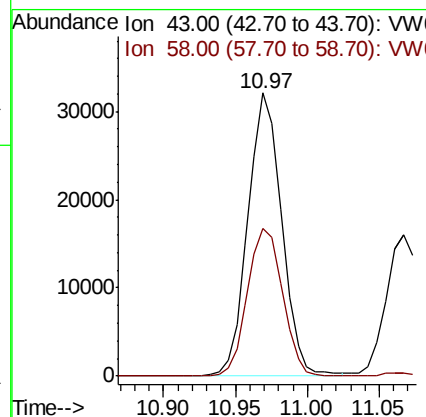
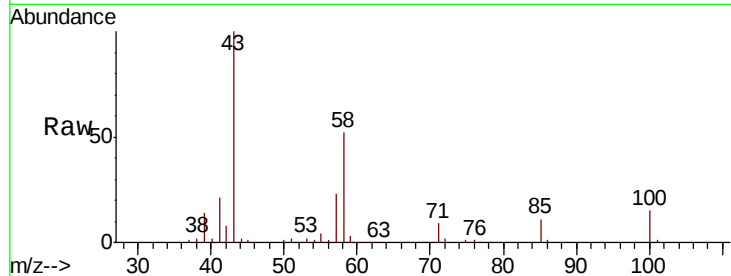
#59
2-Hexanone
Concen: 258.922 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 52121
Ion Ratio Lower Upper
43 100
58 54.1 27.1 81.2

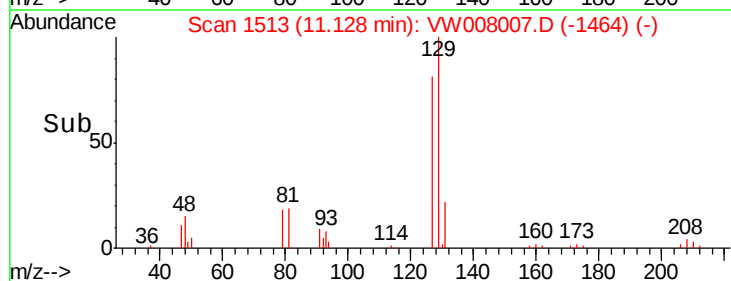
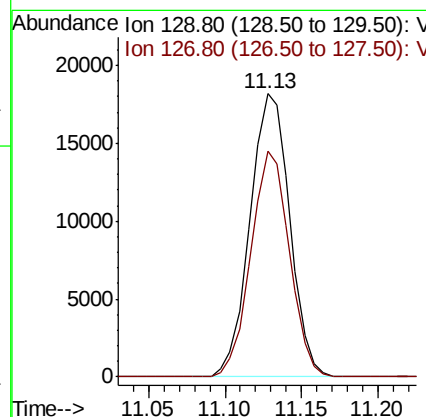
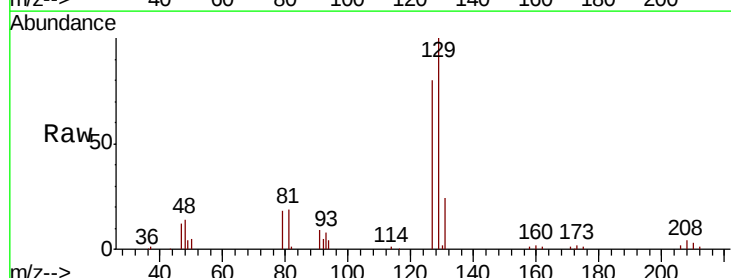
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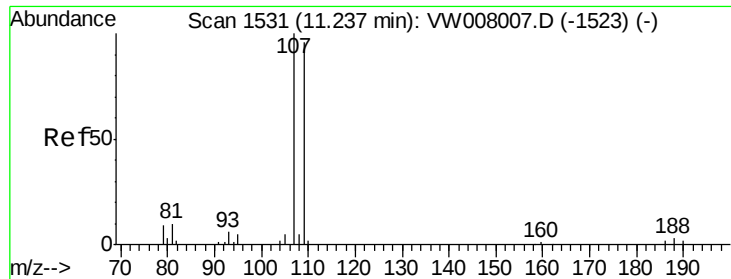
MMDadoda
1/3/2019 10:55:27 AM



#60
Dibromochloromethane
Concen: 50.651 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion: 129 Resp: 32893
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





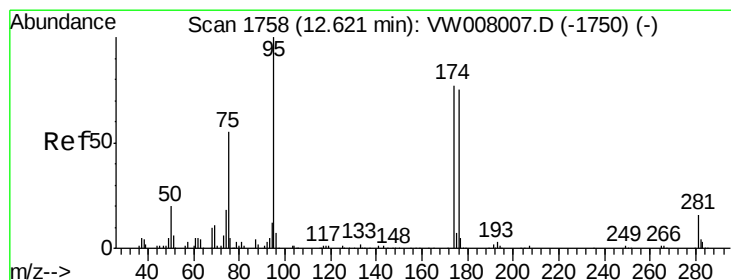
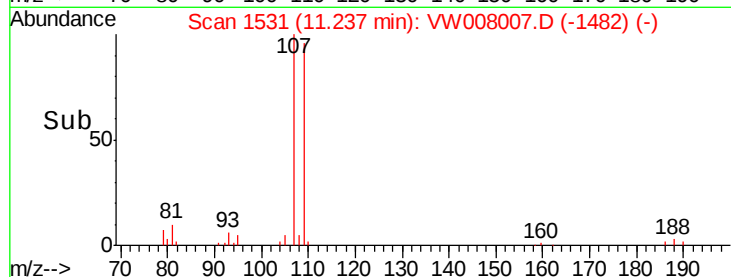
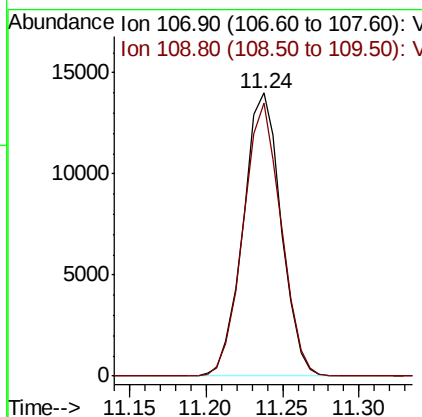
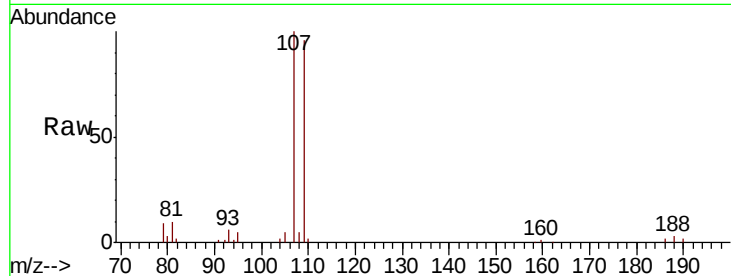
#61
 1,2-Dibromoethane
 Concen: 50.835 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 24135
 Ion Ratio Lower Upper
 107 100
 109 96.5 77.2 115.8

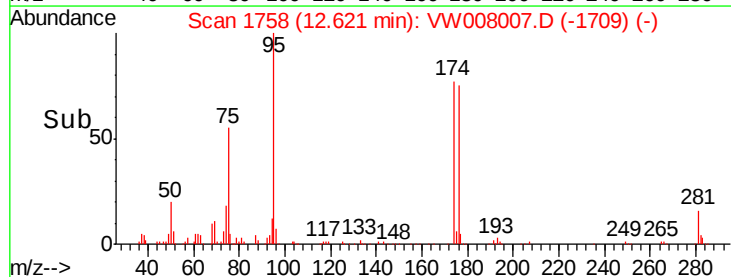
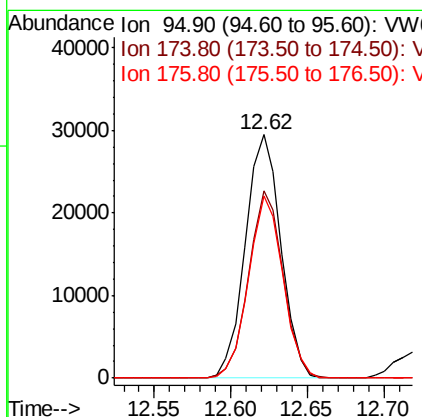
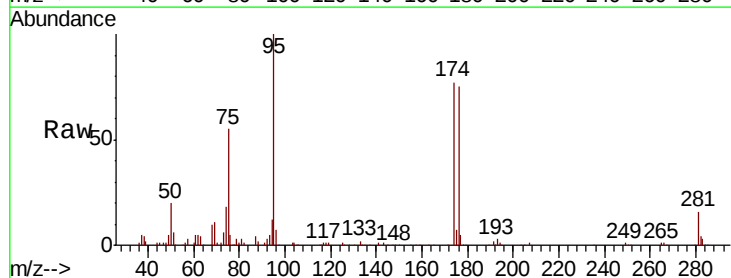
Manual Integrations
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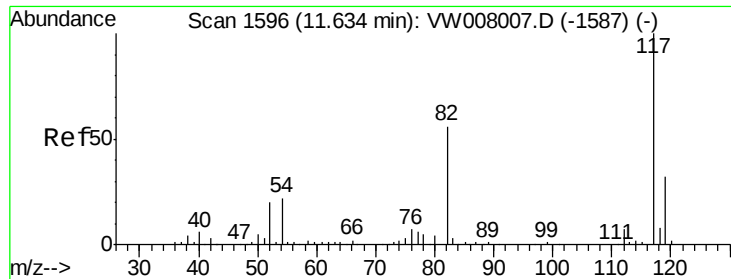
MMDadoda
 1/3/2019 10:55:27 AM



#62
 4-Bromofluorobenzene
 Concen: 49.280 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion: 95 Resp: 47552
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 149.6
 176 72.7 0.0 145.4





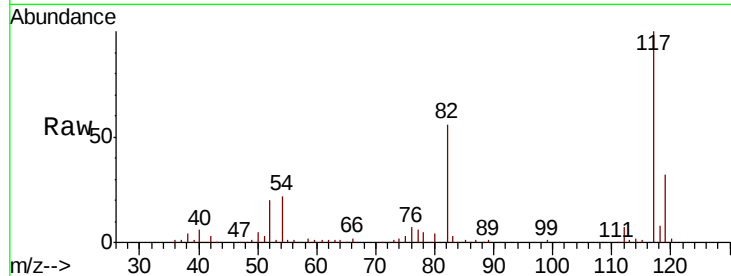
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.8	67.2
119	32.0	25.6	38.4

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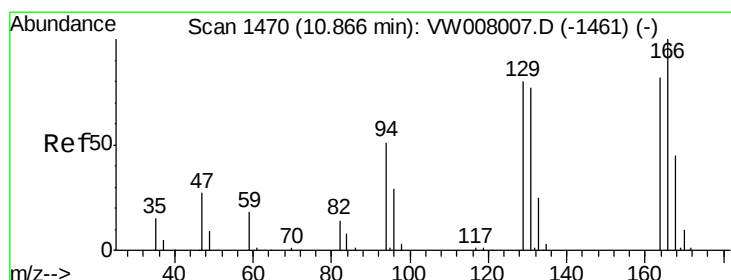
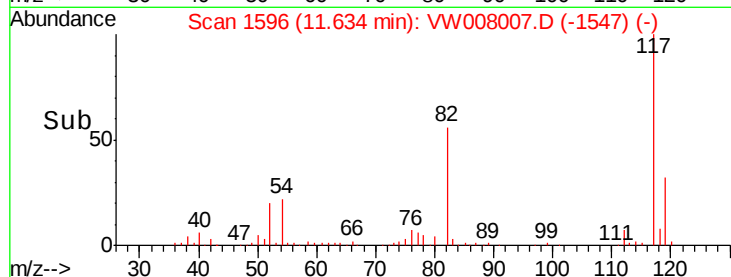
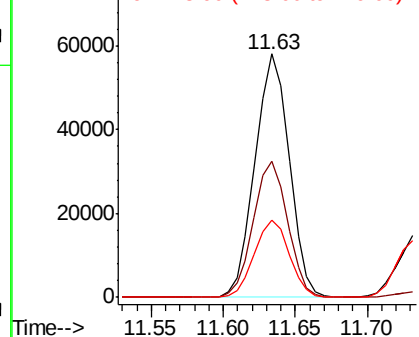


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.422 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	98.1	147.1
129	97.5	78.0	117.0
131	94.8	75.8	113.8

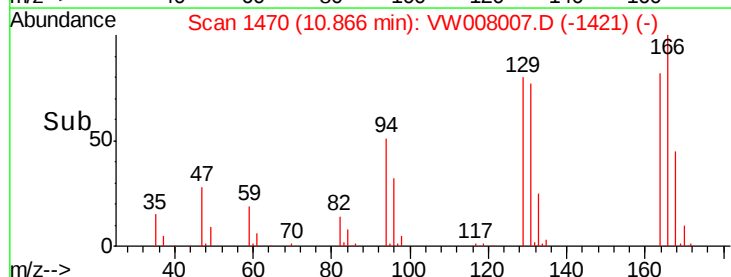
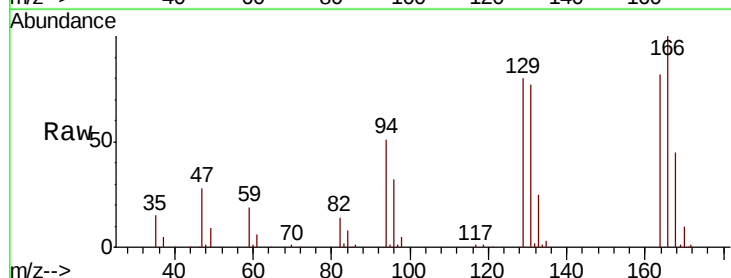
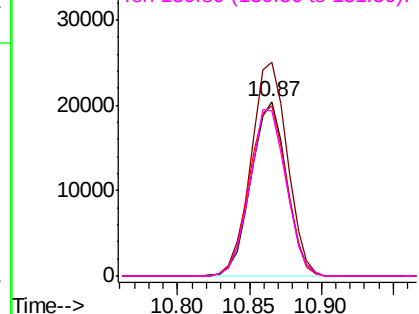
Abundance

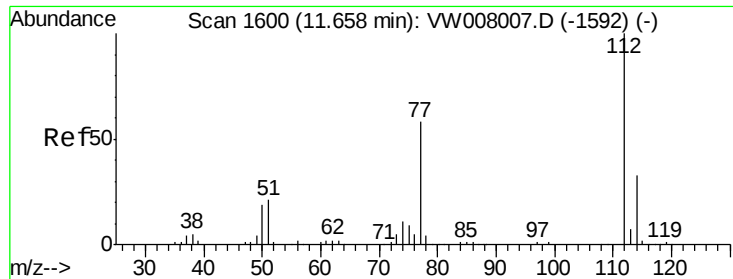
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.610 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 105229

Ion Ratio Lower Upper

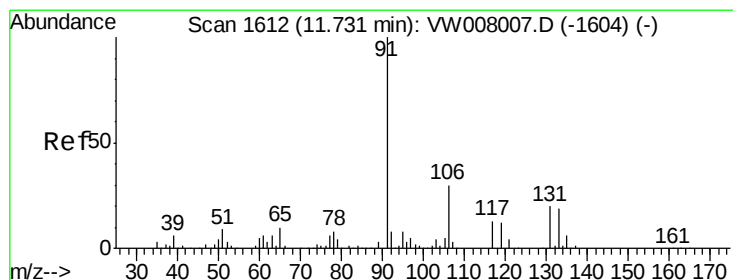
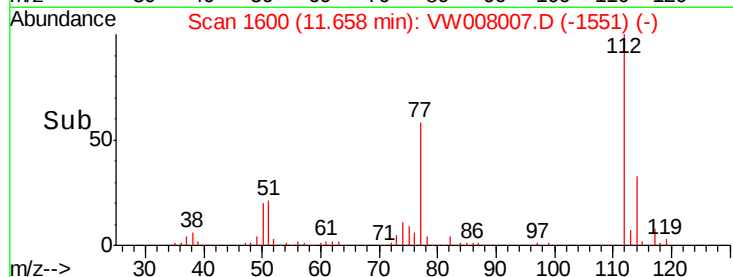
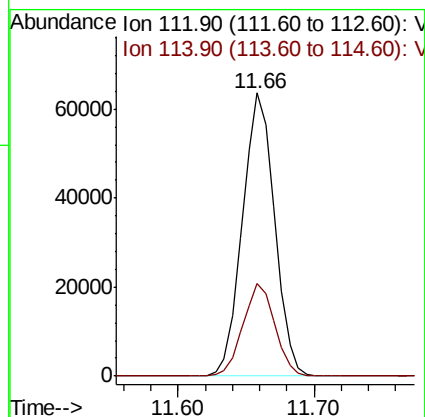
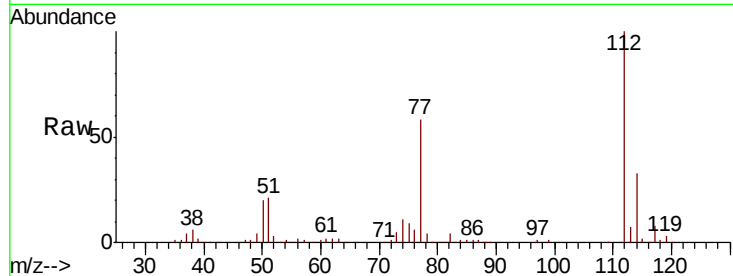
112 100

114 32.5 26.0 39.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.113 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

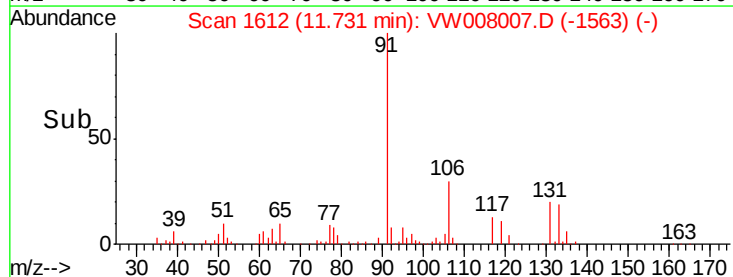
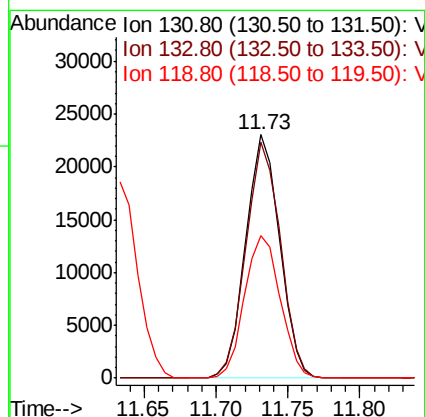
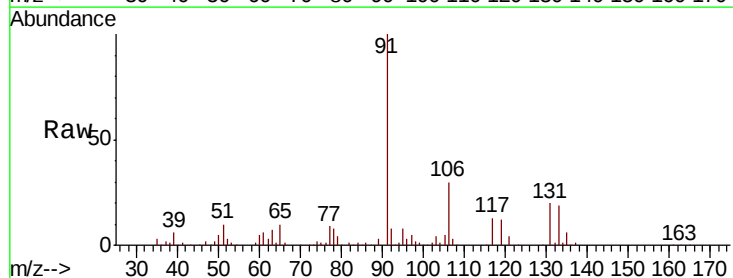
Tgt Ion:131 Resp: 37740

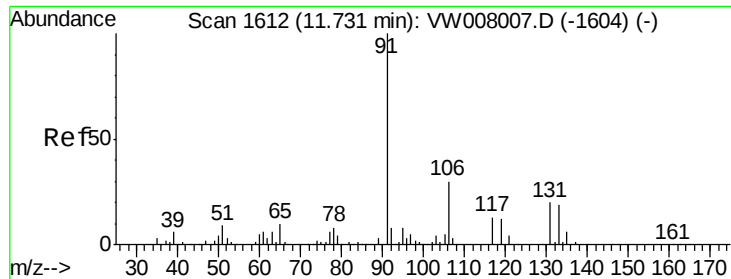
Ion Ratio Lower Upper

131 100

133 98.2 49.1 147.3

119 61.1 30.6 91.6





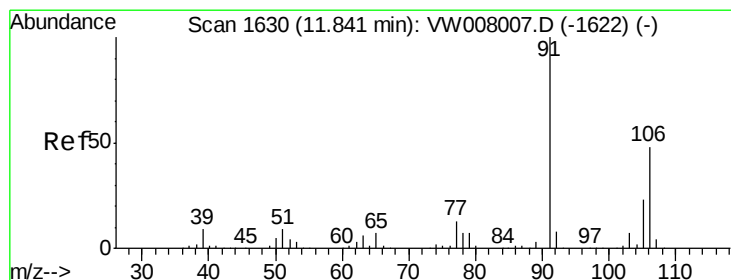
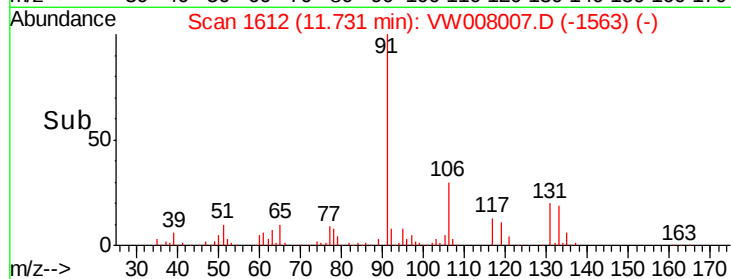
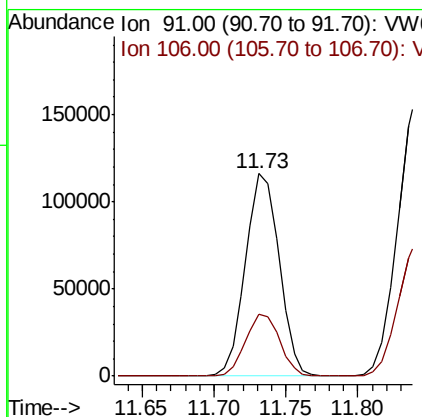
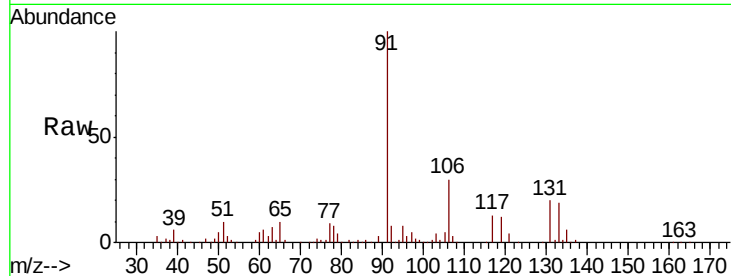
#67
Ethyl Benzene
Concen: 52.113 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 188601
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

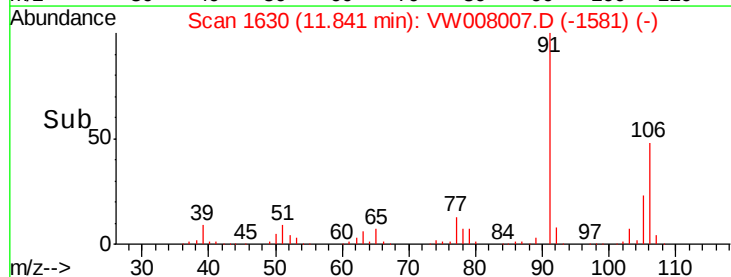
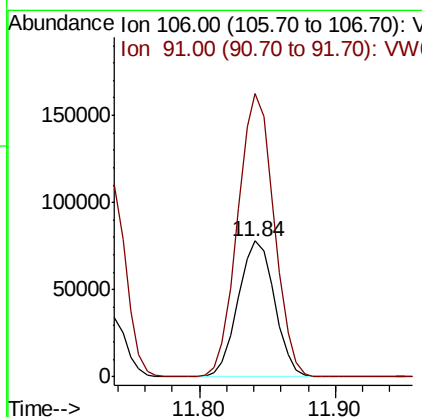
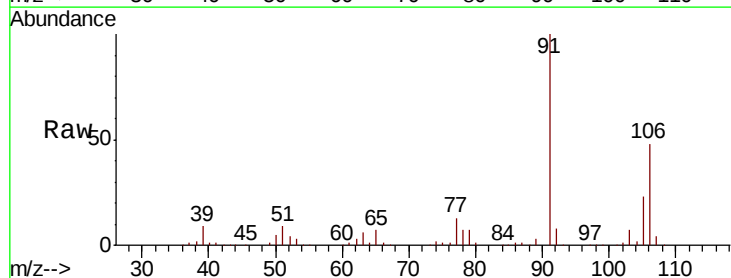
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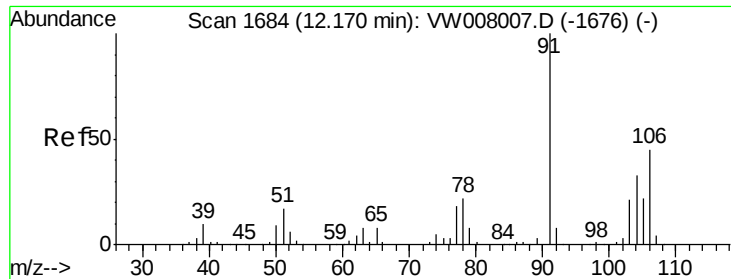
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#68
m/p-Xylenes
Concen: 104.677 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion: 106 Resp: 146460
Ion Ratio Lower Upper
106 100
91 207.3 165.8 248.8





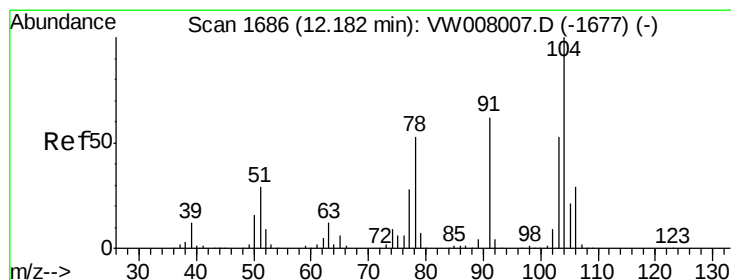
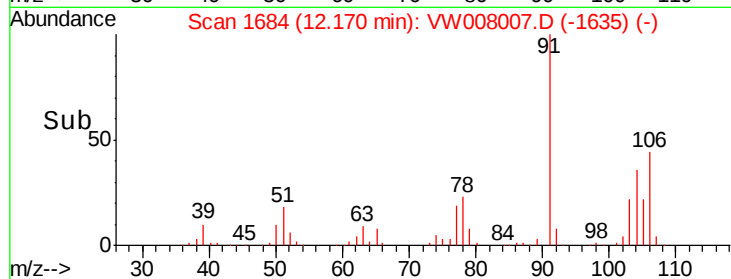
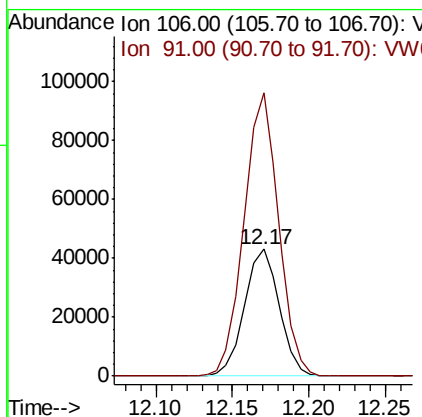
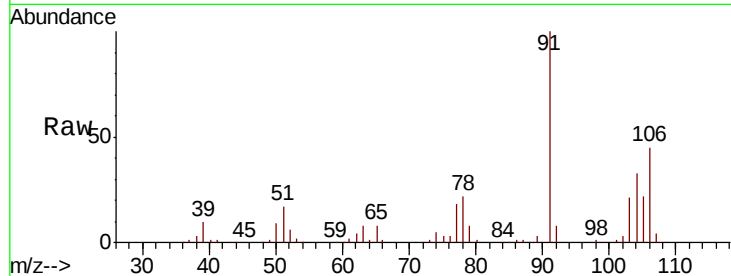
#69
o-Xylene
Concen: 52.411 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 68235
Ion Ratio Lower Upper
106 100
91 221.1 110.6 331.6

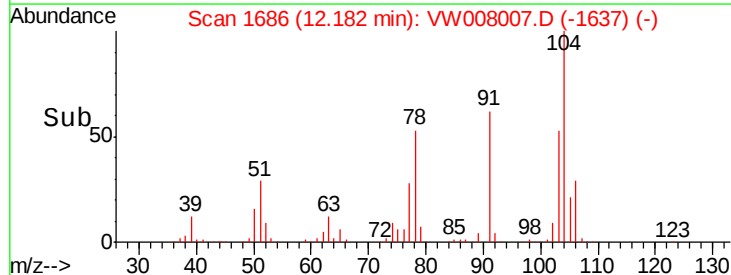
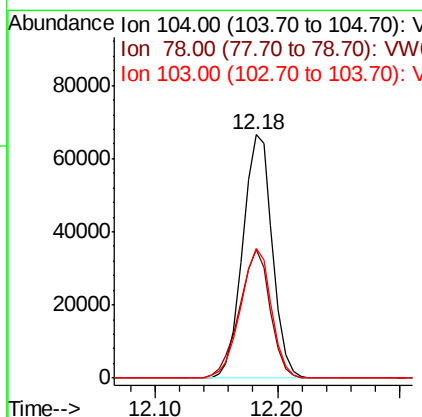
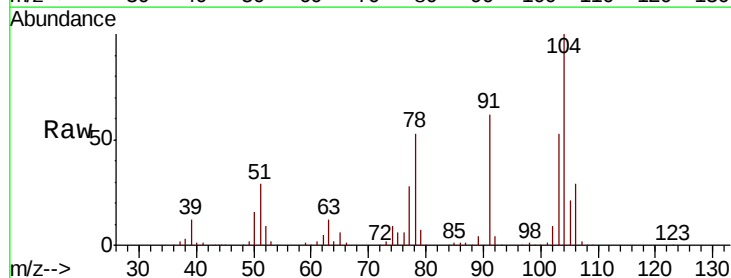
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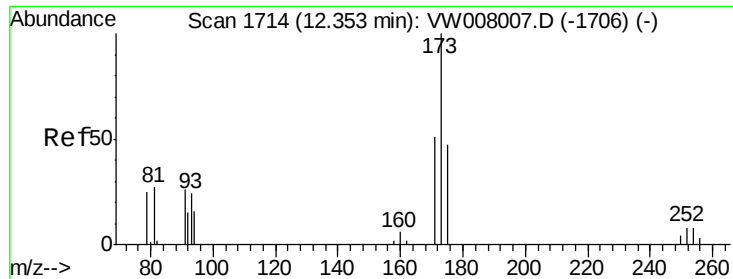
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#70
Styrene
Concen: 52.504 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion:104 Resp: 111413
Ion Ratio Lower Upper
104 100
78 55.0 44.0 66.0
103 55.7 44.6 66.8





#71

Bromoform

Concen: 51.513 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:173 Resp: 17622

Ion Ratio Lower Upper

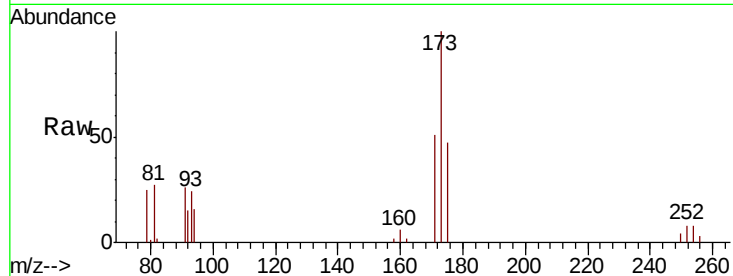
173 100

175 47.3 23.6 71.0

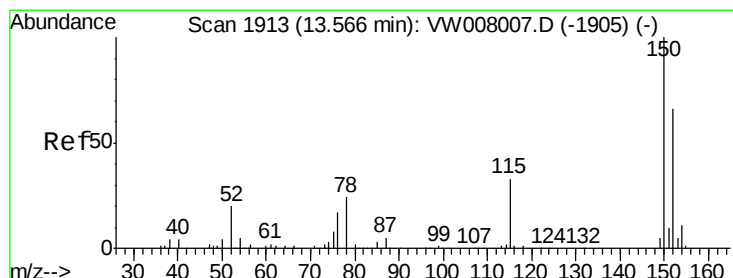
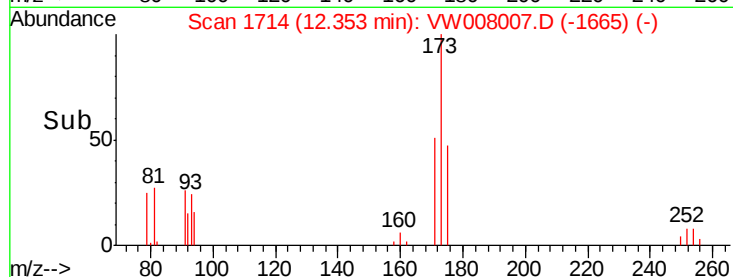
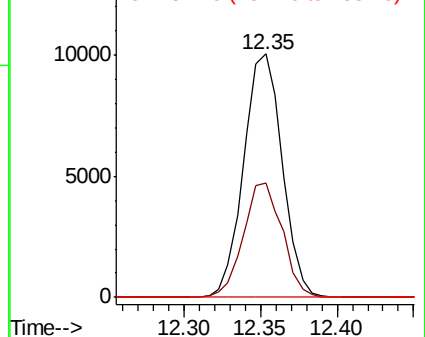
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

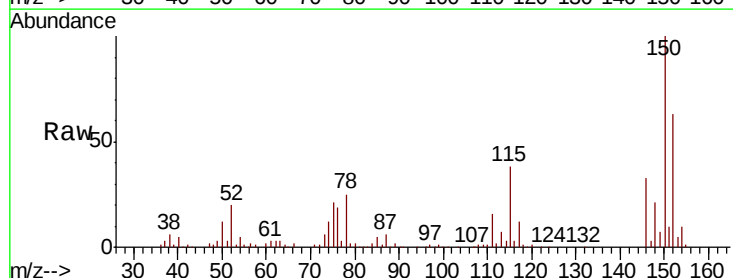
Tgt Ion:152 Resp: 47839

Ion Ratio Lower Upper

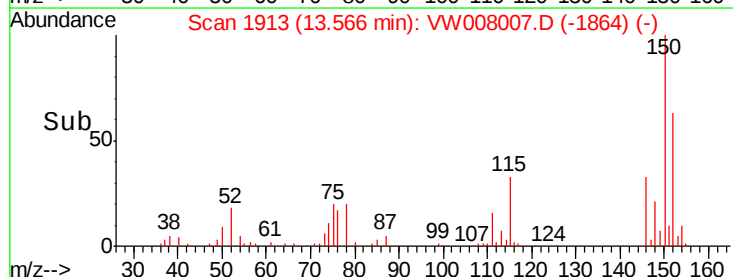
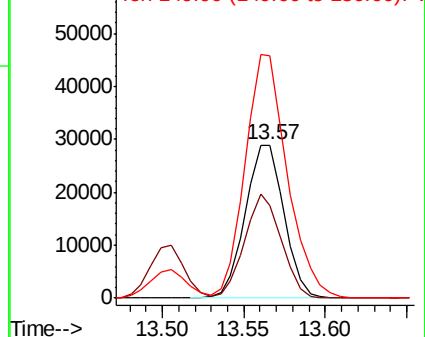
152 100

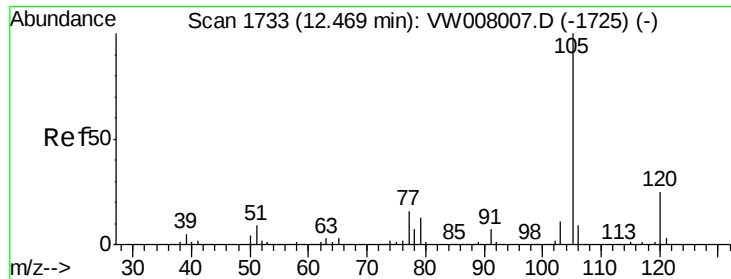
115 64.3 32.1 96.5

150 172.5 0.0 345.0



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





#73

Isopropylbenzene

Concen: 51.598 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 105 Resp: 196282

Ion Ratio Lower Upper

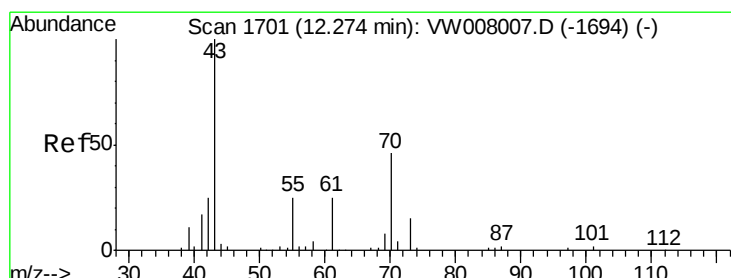
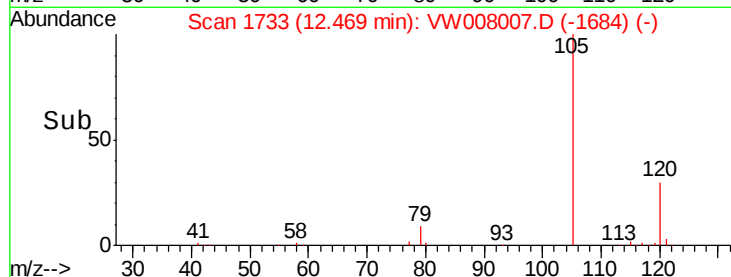
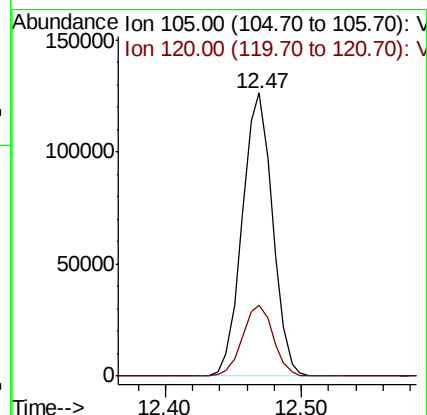
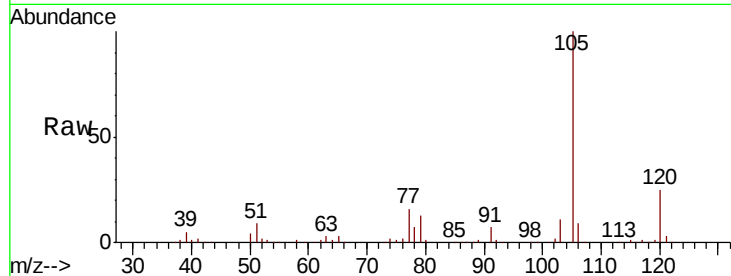
105 100

120 25.5 12.8 38.3

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#74

N-ethyl acetate

Concen: 51.925 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion: 43 Resp: 30747

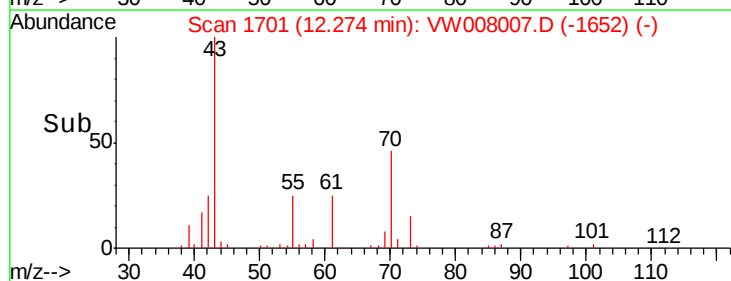
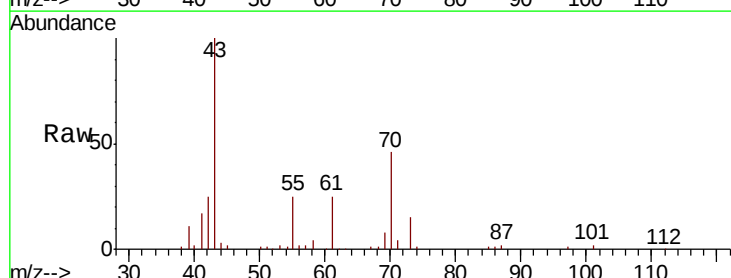
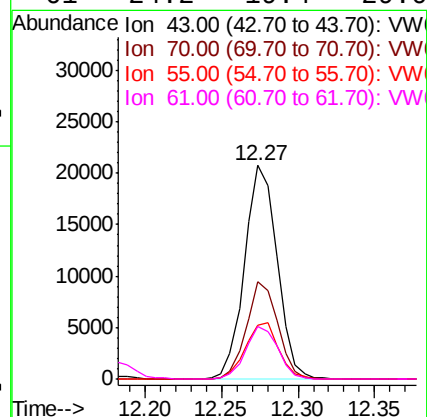
Ion Ratio Lower Upper

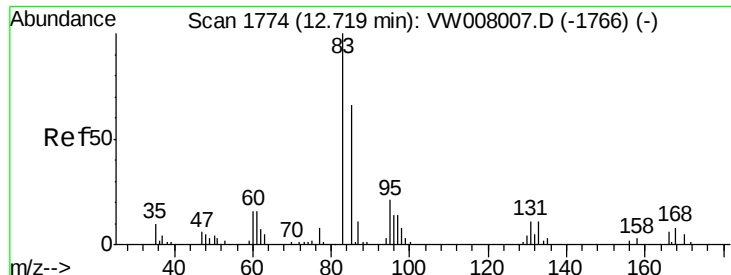
43 100

70 44.0 35.2 52.8

55 26.7 21.4 32.0

61 24.2 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.473 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

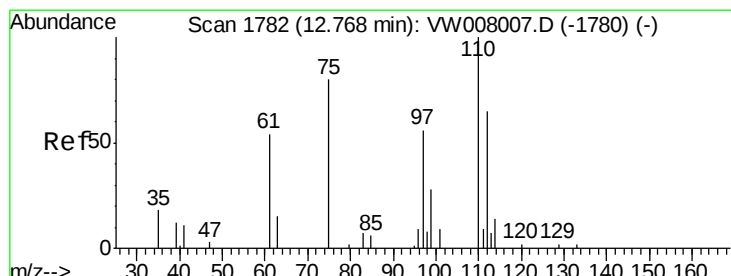
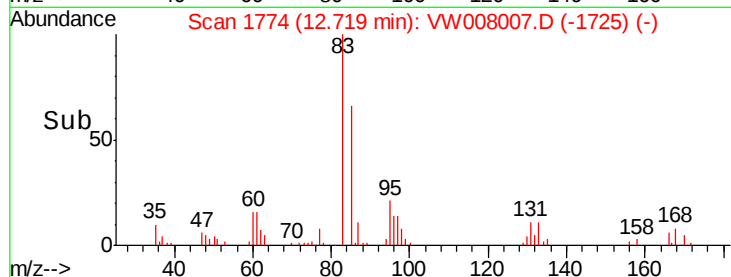
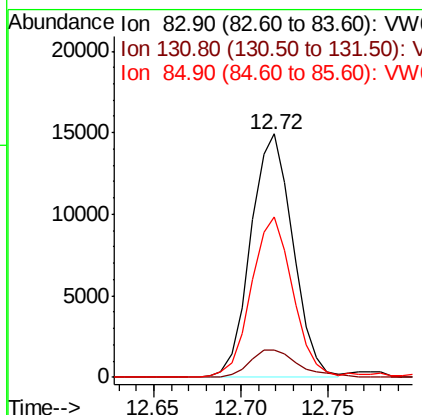
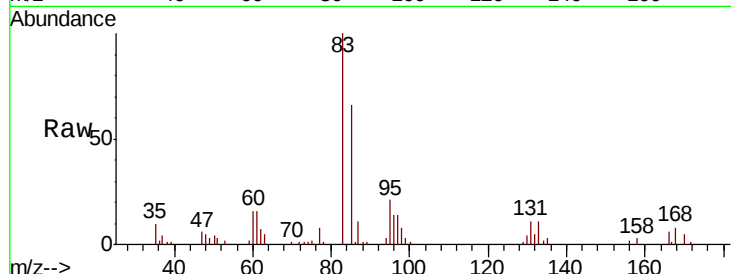
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	24914
Ion Ratio	Lower	Upper	
83	100		
131	13.0	6.5	19.5
85	65.5	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 30.019 ug/l m

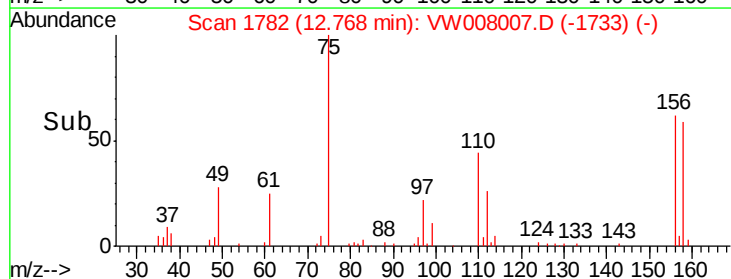
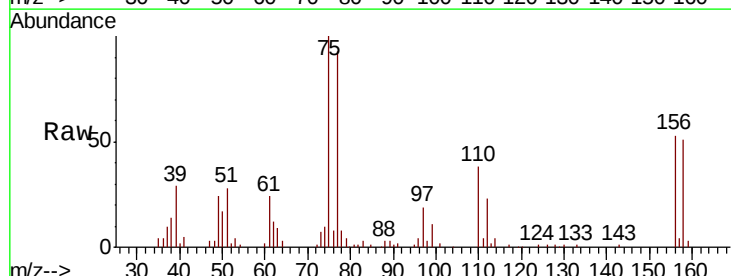
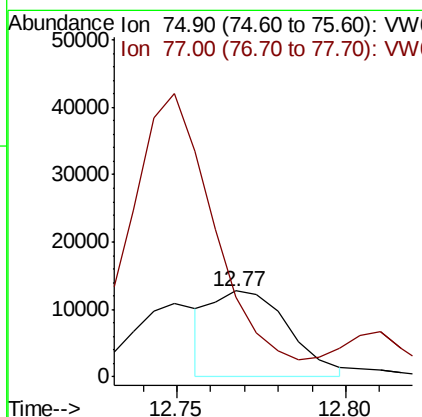
RT: 12.77 min Scan# 1782

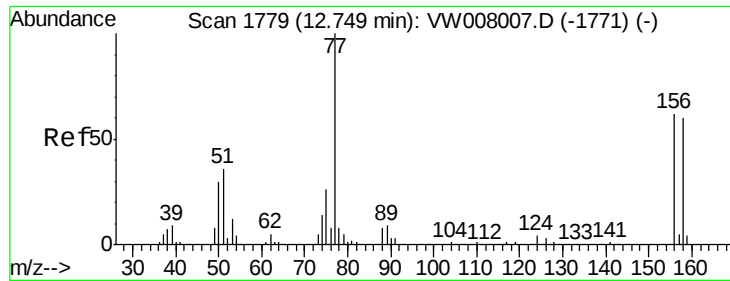
Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion:	75	Resp:	20004
Ion Ratio	Lower	Upper	
75	100		
77	372.4	186.2	558.6





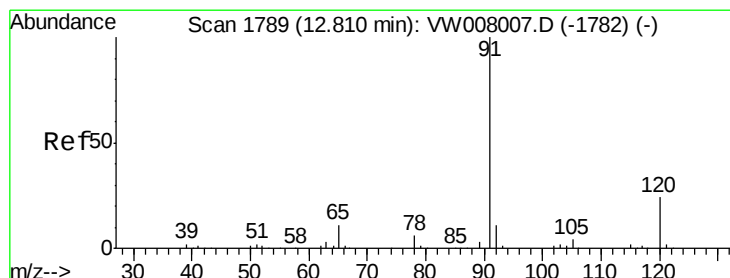
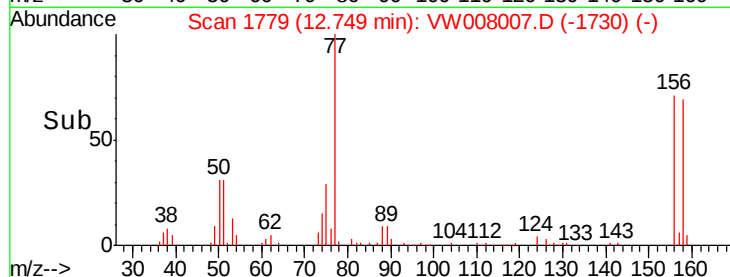
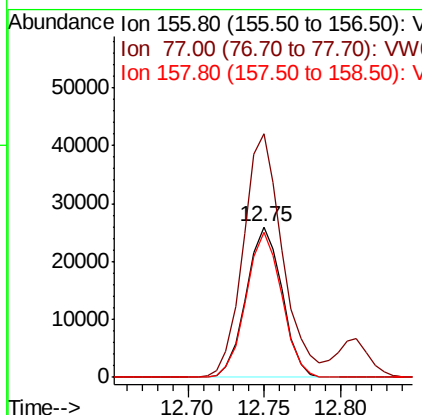
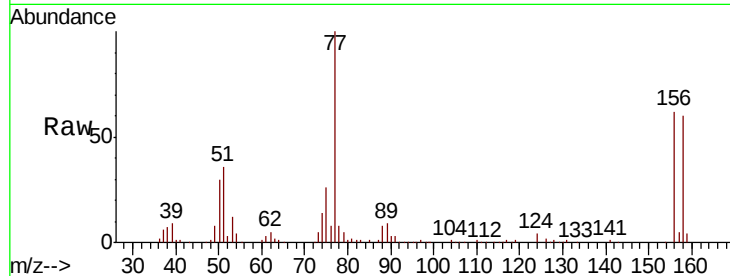
#77
Bromobenzene
Concen: 51.785 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.9	87.9	263.8	
158	95.6	47.8	143.4	

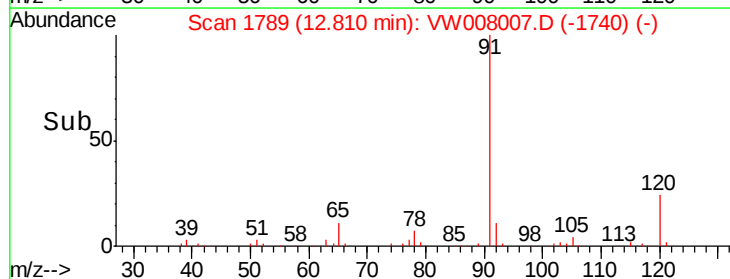
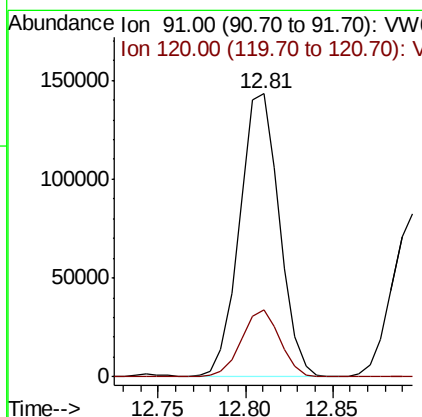
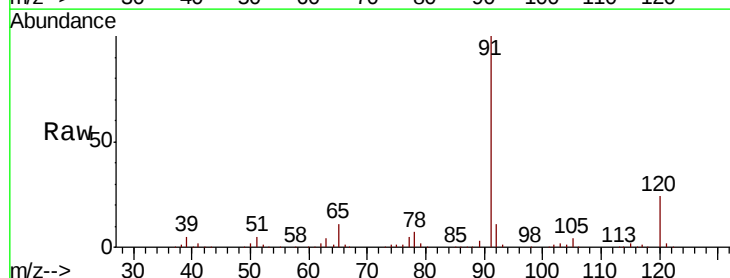
Manual Integrations
APPROVED

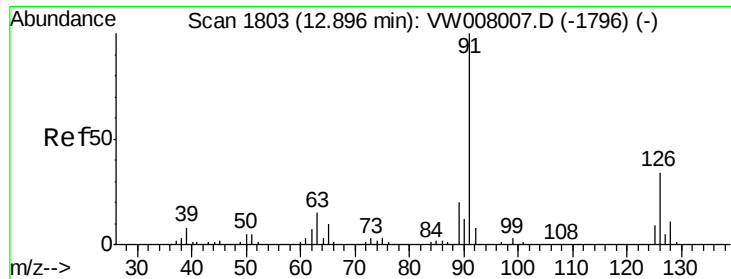
MMDadoda
1/3/2019 10:55:27 AM



#78
n-propylbenzene
Concen: 51.416 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.5	34.5	





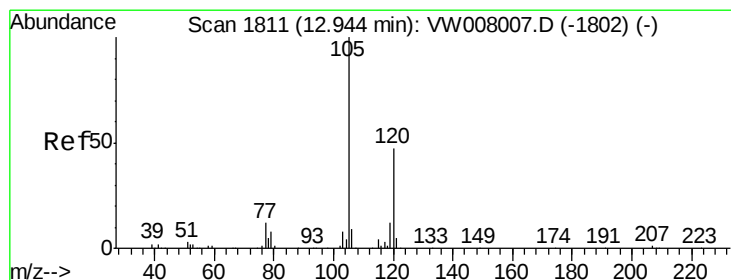
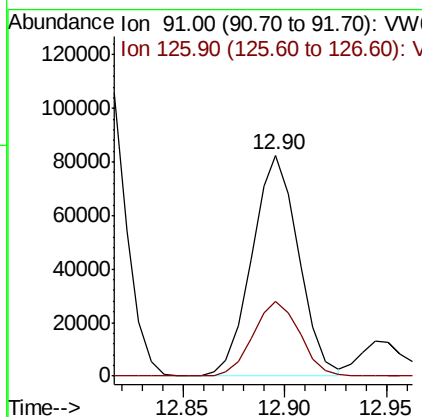
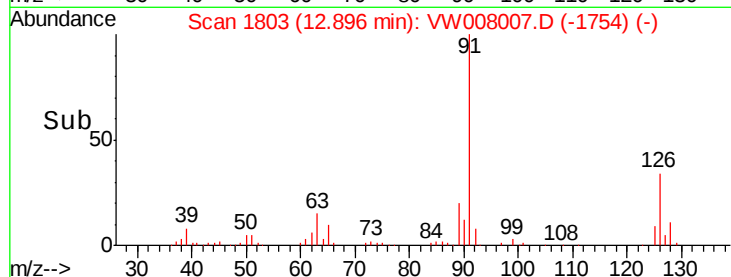
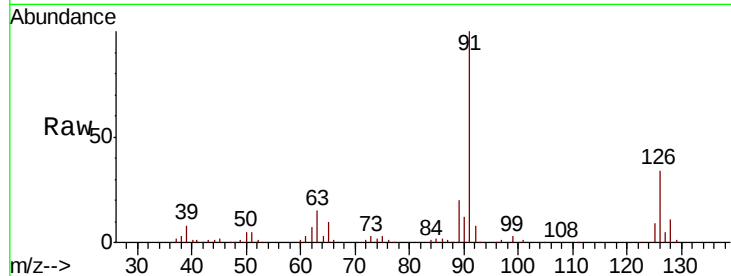
#79
 2-Chlorotoluene
 Concen: 51.453 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion: 91 Resp: 131158
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.1 51.2

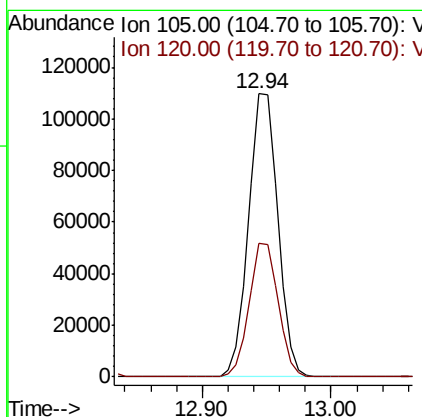
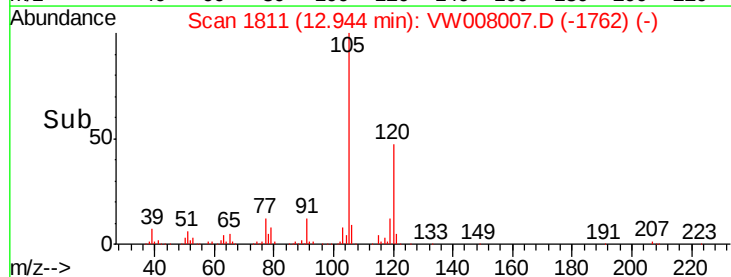
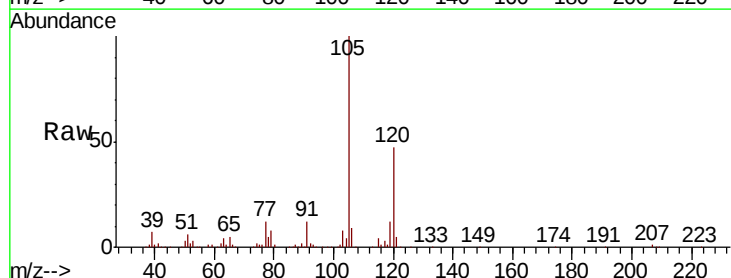
Manual Integrations
 APPROVED

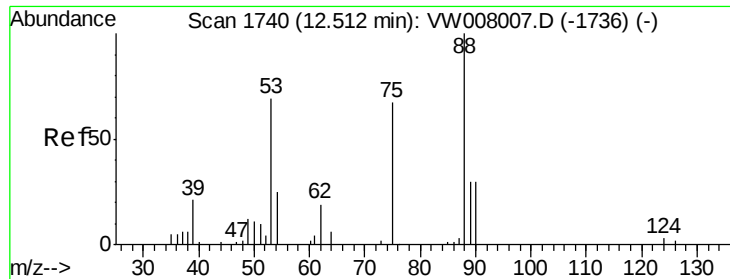
MMDadoda
 1/3/2019 10:55:27 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.457 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion: 105 Resp: 171767
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9





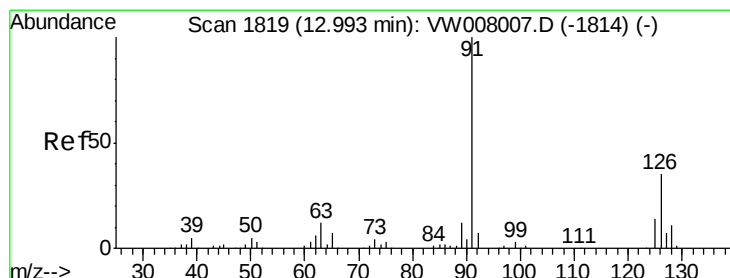
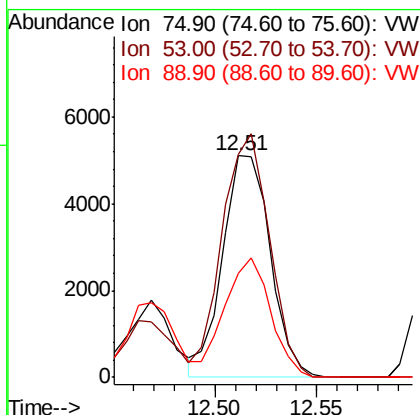
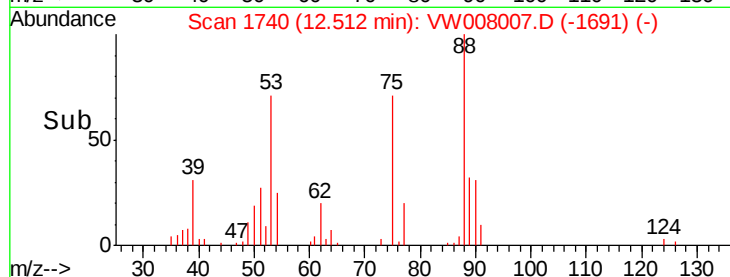
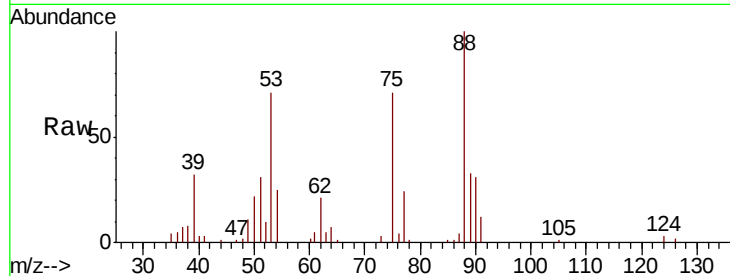
#81
trans-1,4-Dichloro-2-butene
Concen: 51.475 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.5	87.6	131.4
89	52.7	42.2	63.2

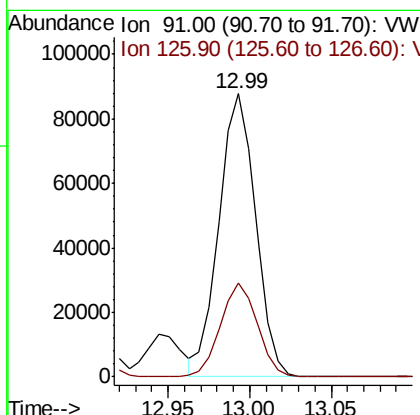
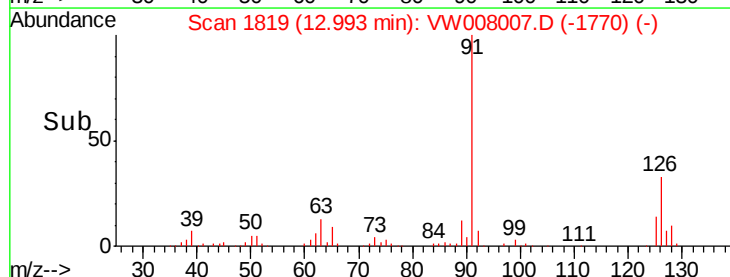
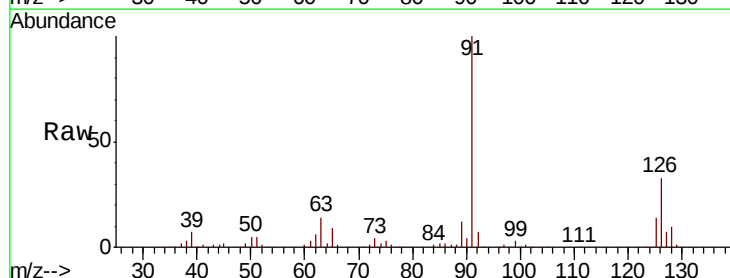
Manual Integrations
APPROVED

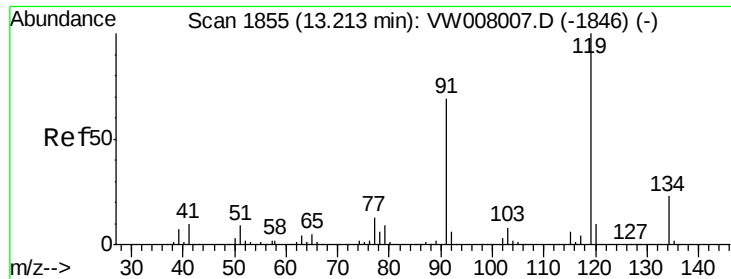
MMDadoda
1/3/2019 10:55:27 AM



#82
4-Chlorotoluene
Concen: 50.799 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1





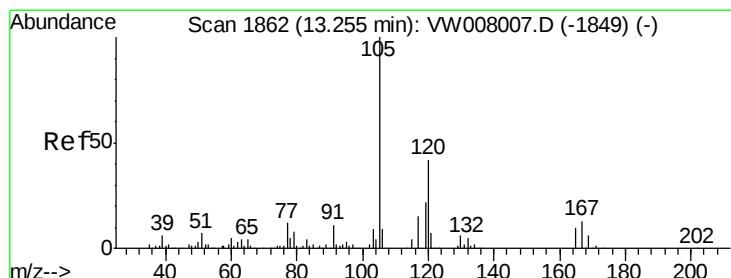
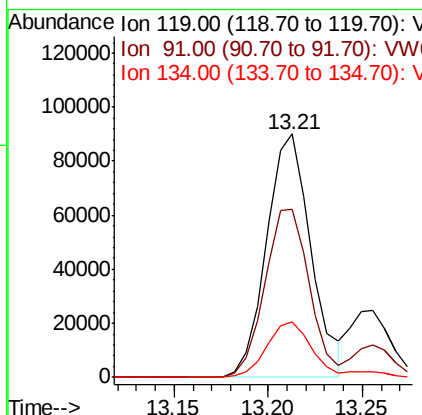
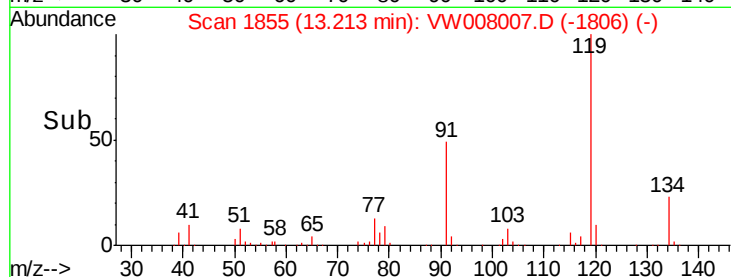
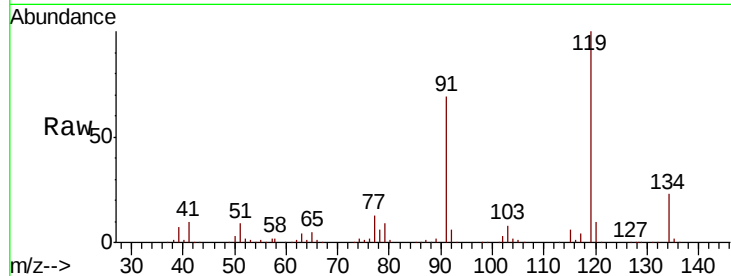
#83
tert-Butylbenzene
Concen: 51.471 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.4	34.7	104.1
134	22.9	11.5	34.4

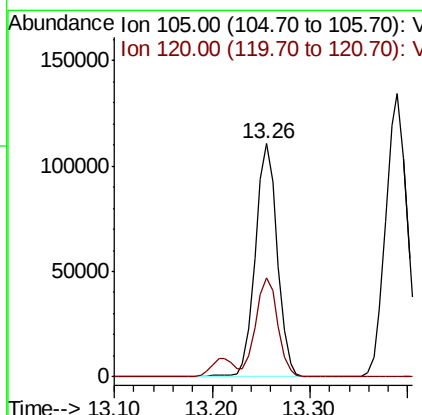
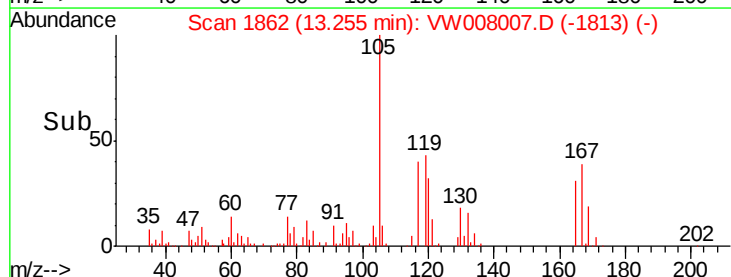
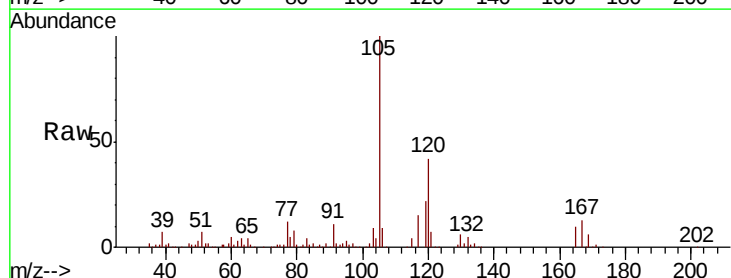
Manual Integrations
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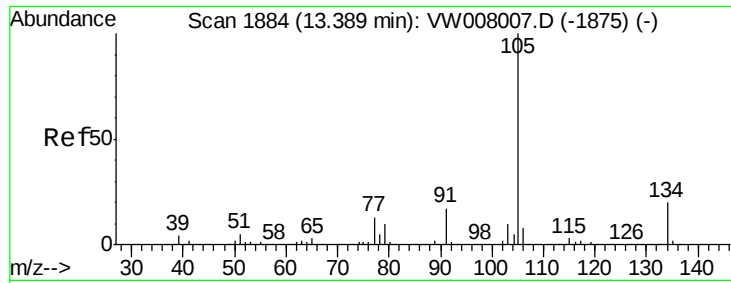
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.646 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	21.5	64.5





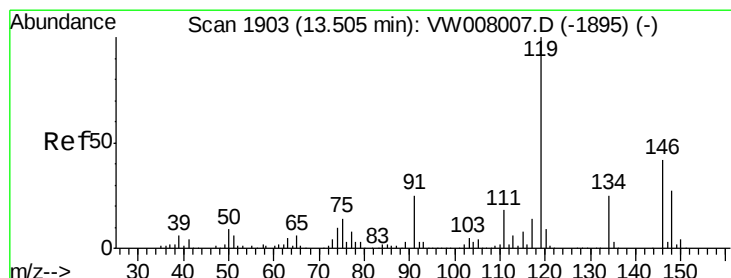
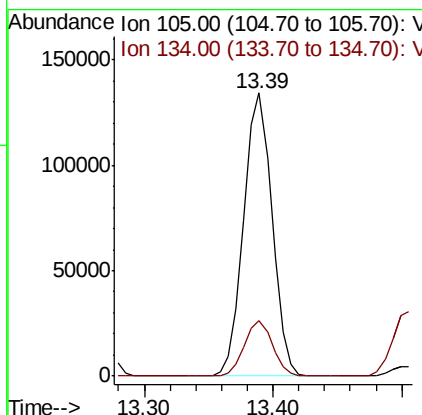
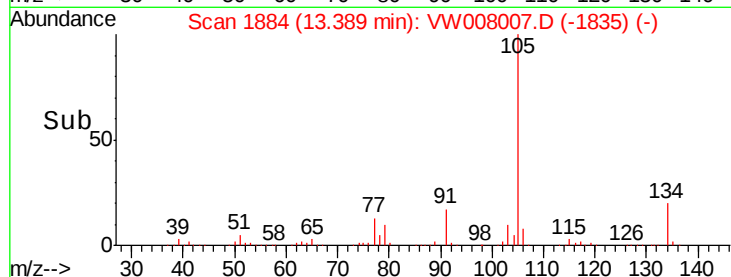
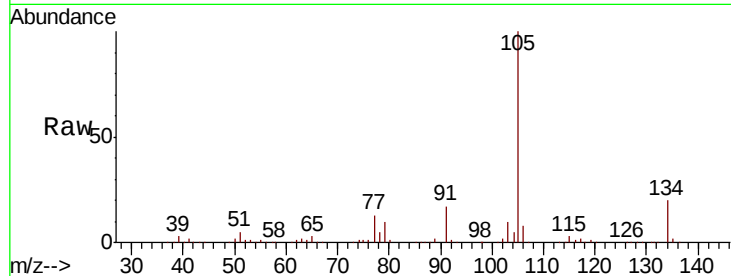
#85
 sec-Butylbenzene
 Concen: 51.828 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

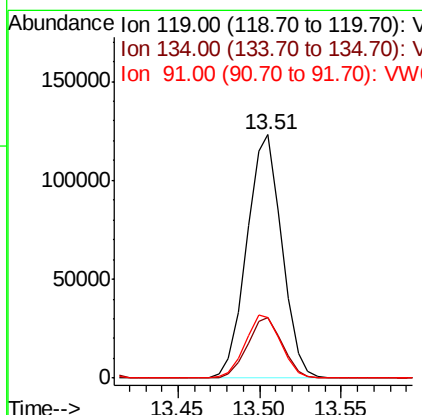
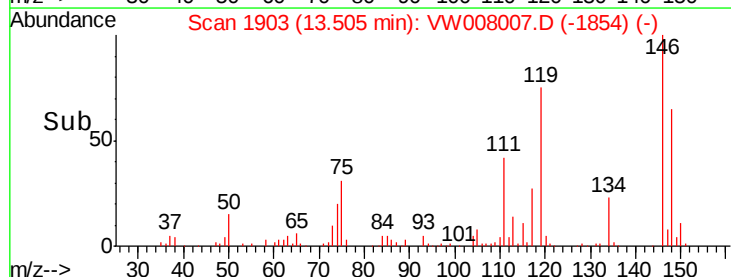
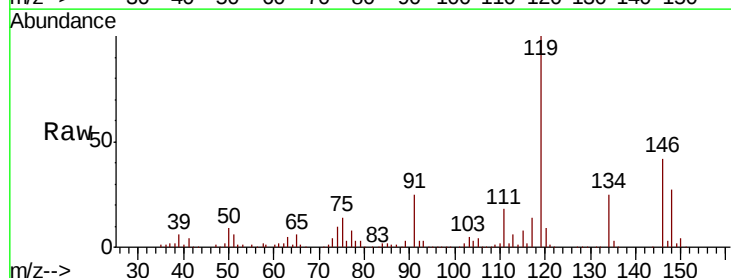
Manual Integrations
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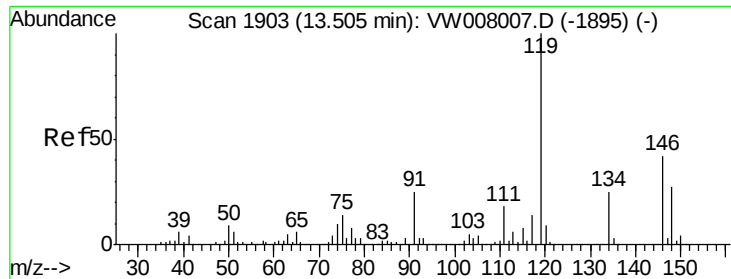
MMDadoda
 1/3/2019 10:55:27 AM



#86
 p-Isopropyltoluene
 Concen: 51.778 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	26.2	13.1	39.3





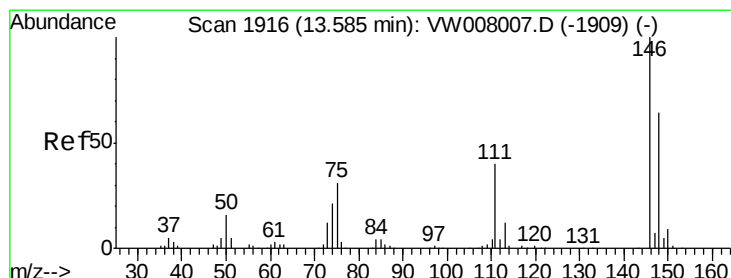
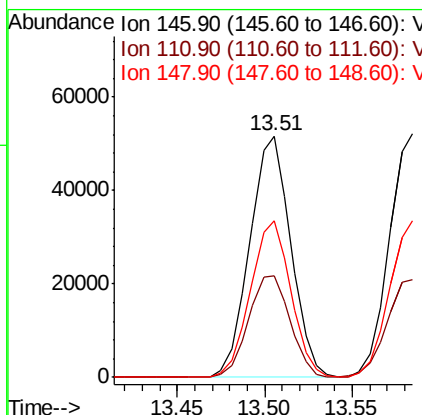
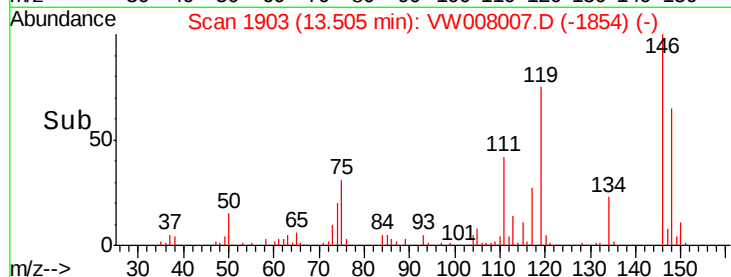
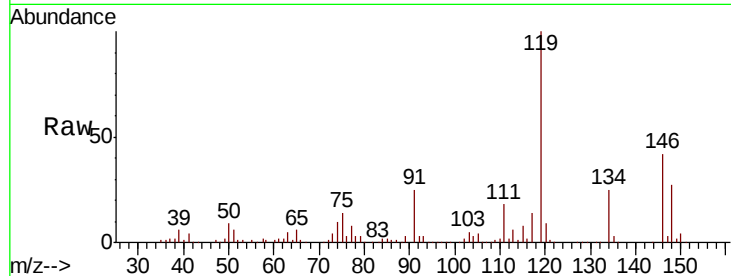
#87
 1,3-Dichlorobenzene
 Concen: 51.487 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	63.7	31.9	95.5

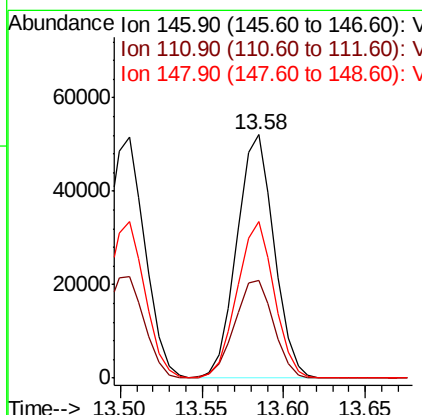
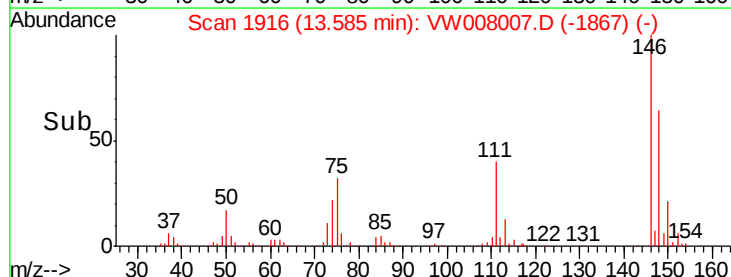
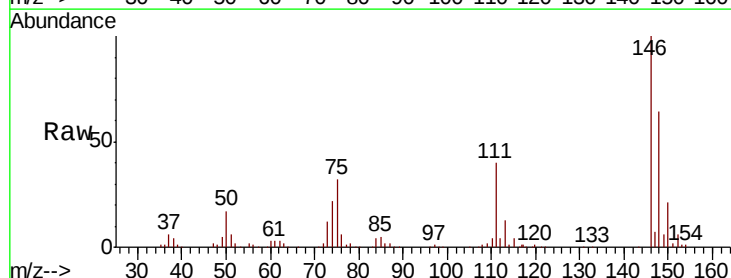
Manual Integrations
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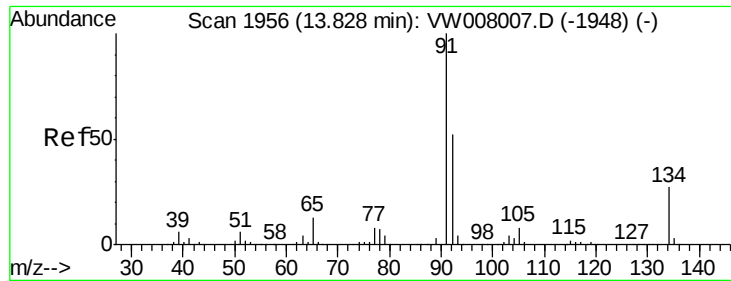
MMDadoda
 1/3/2019 10:55:27 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.844 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	63.9	31.9	95.9





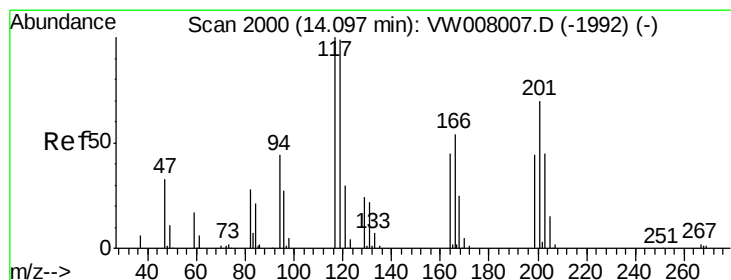
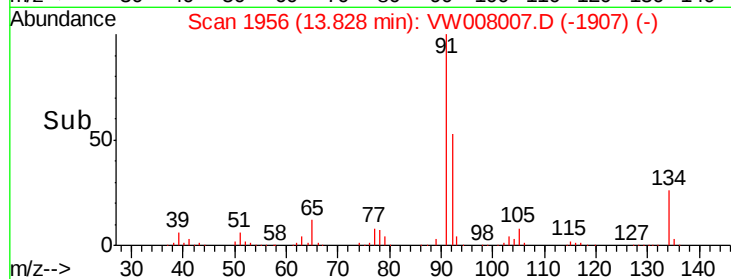
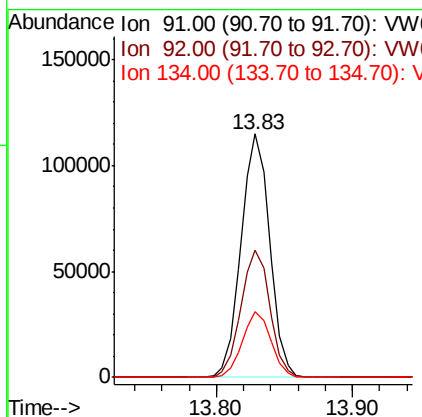
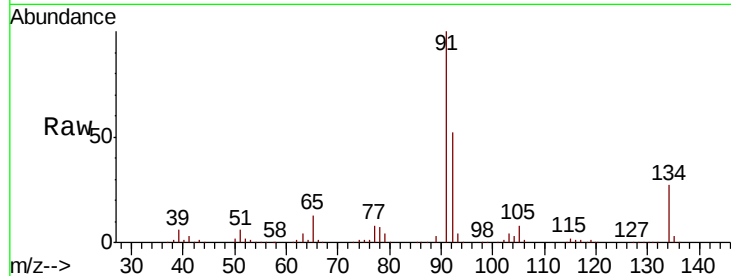
#89
n-Butylbenzene
Concen: 52.020 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	26.8	13.4	40.2

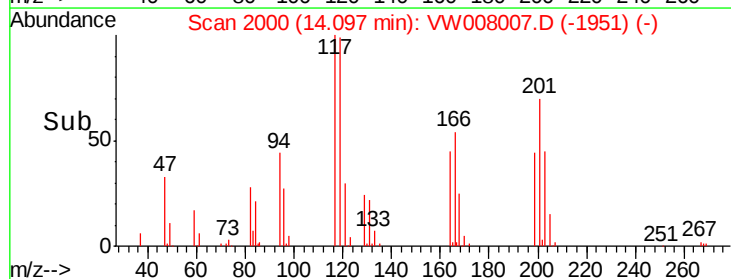
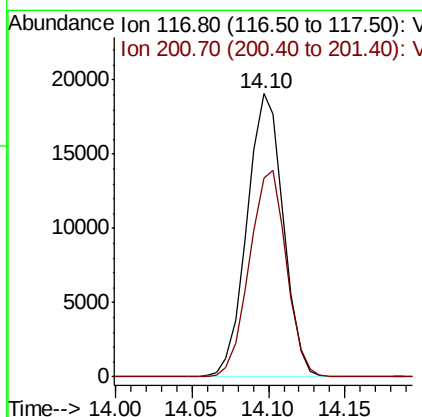
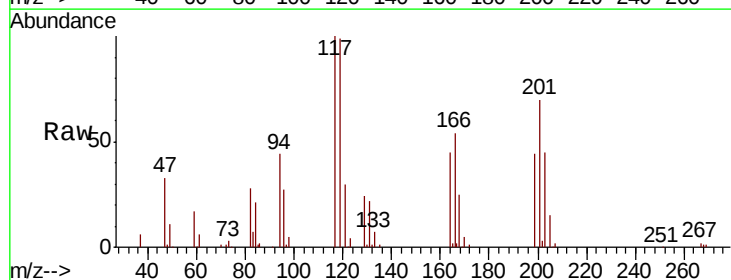
Manual Integrations
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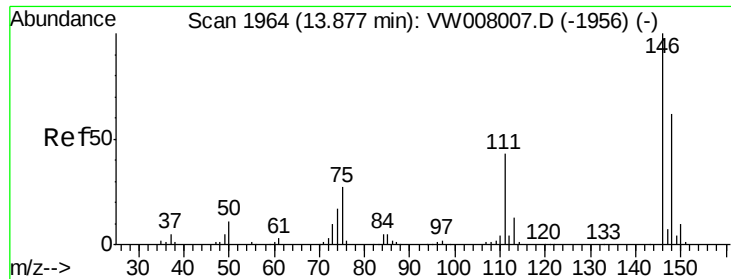
MMDadoda
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#90
Hexachloroethane
Concen: 51.021 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	37.1	111.5





#91

1,2-Dichlorobenzene

Concen: 50.398 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Instrument :

MSVOA_W

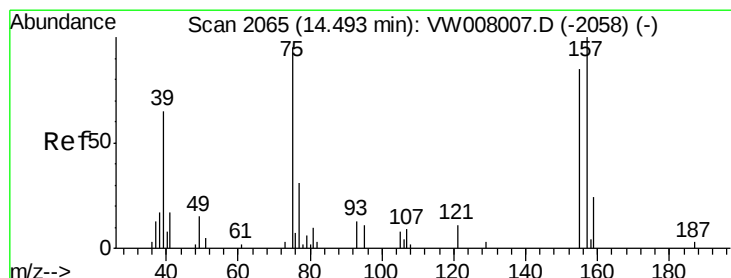
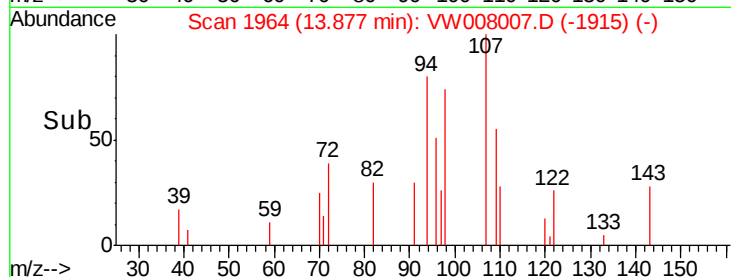
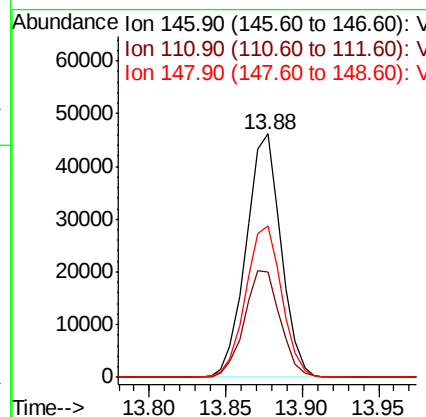
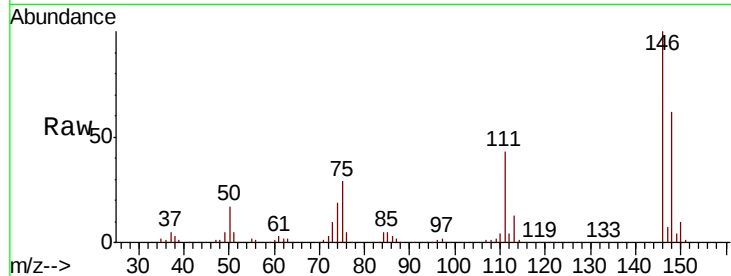
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	73064
Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.6	67.7
148	64.2	32.1	96.3

Manual Integrations
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1/3/2019 10:55:27 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.462 ug/l

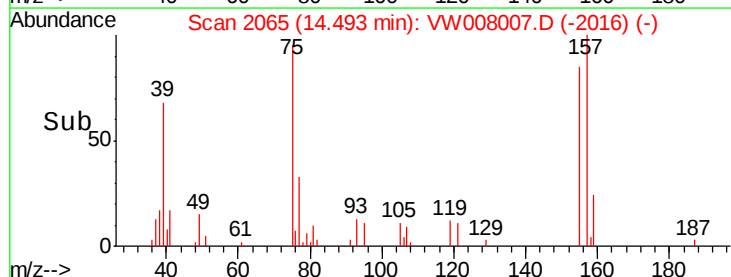
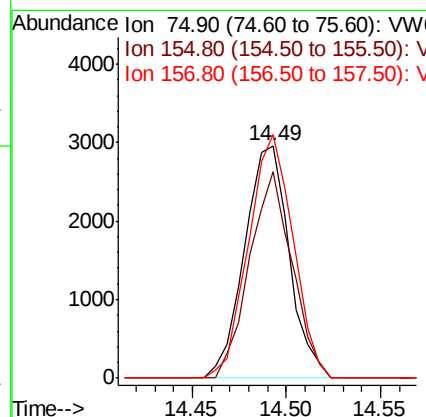
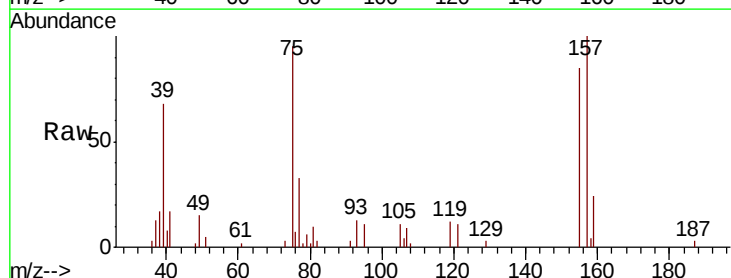
RT: 14.49 min Scan# 2065

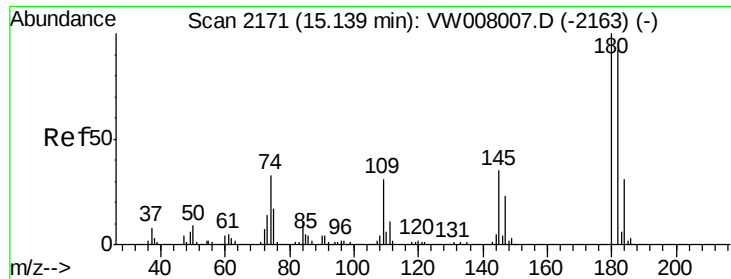
Delta R.T. 0.00 min

Lab File: VW008007.D

Acq: 02 Jan 2019 14:11

Tgt Ion:	75	Resp:	4859
Ion	Ratio	Lower	Upper
75	100		
155	84.7	42.4	127.1
157	104.5	52.3	156.8





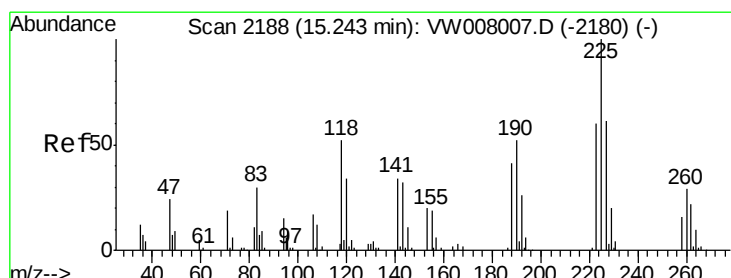
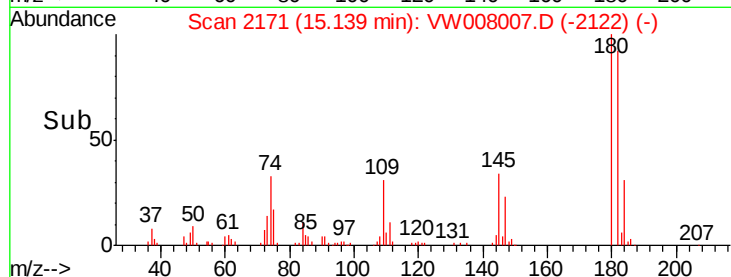
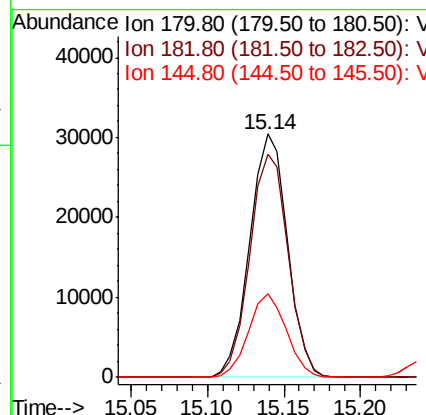
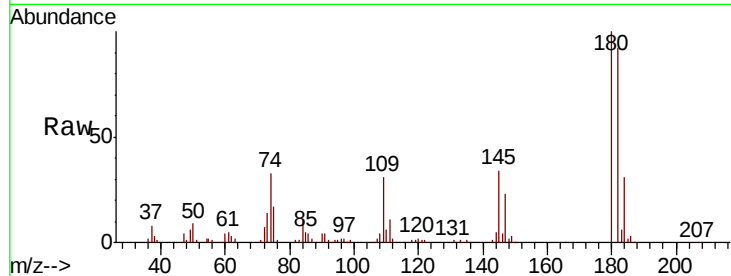
#93
 1,2,4-Trichlorobenzene
 Concen: 51.318 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	34.4	17.2	51.6

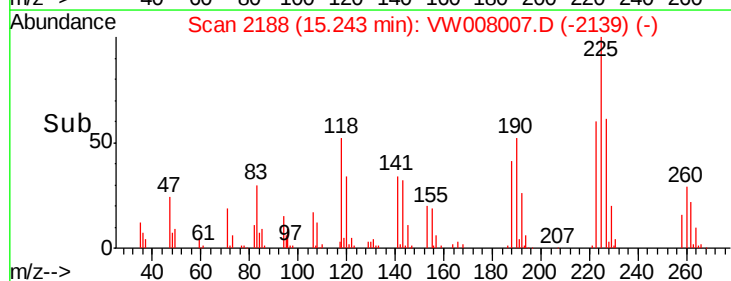
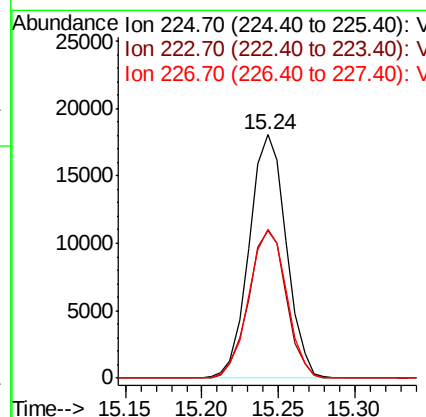
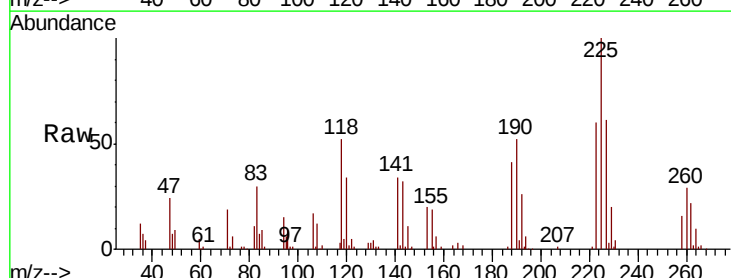
Manual Integrations
 APPROVED

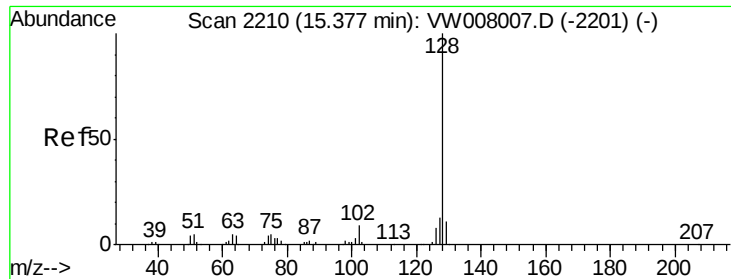
MMDadoda
 1/3/2019 10:55:27 AM



#94
 Hexachlorobutadiene
 Concen: 51.731 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008007.D
 Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.6	92.0
227	62.5	31.3	93.8





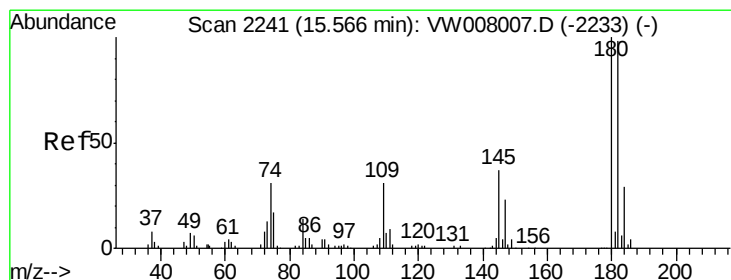
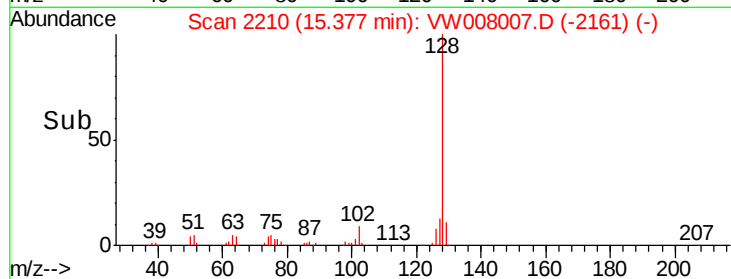
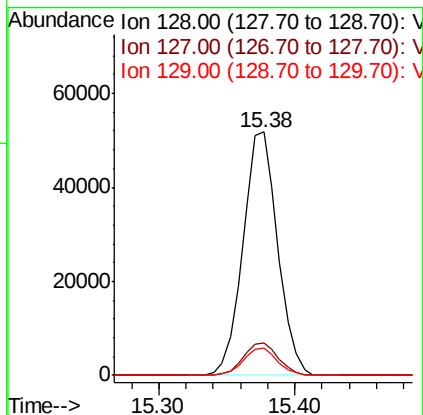
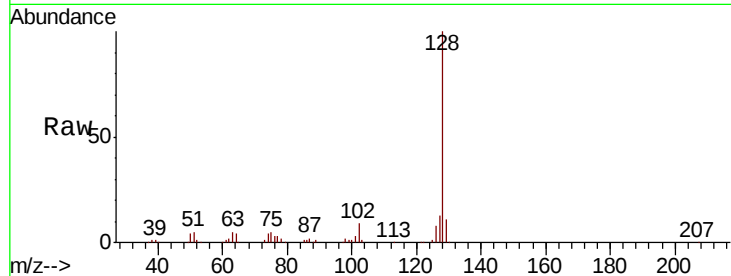
#95
Naphthalene
Concen: 53.237 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/3/2019 10:55:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.554 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008007.D
Acq: 02 Jan 2019 14:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	37.4	18.7	56.1

