

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013327.D
 Acq On : 30 Sep 2019 12:42
 Operator : SY/VA
 Sample : VW0930SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 11:33:21 AM

Quant Time: Sep 30 17:57:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	327294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	467836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	205686	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	133100	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
35) Dibromofluoromethane	7.88	113	132221	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.32	98	549364	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.62	95	188427	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35504	18.806	ug/l	94
3) Chloromethane	2.21	50	44449	18.315	ug/l	98
4) Vinyl Chloride	2.36	62	60629	19.378	ug/l	99
5) Bromomethane	2.75	94	38891	19.615	ug/l	97
6) Chloroethane	2.91	64	35175	19.073	ug/l	99
7) Trichlorofluoromethane	3.25	101	32237	17.868	ug/l	94
8) Diethyl Ether	3.68	74	30274	19.646	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58795	20.017	ug/l	98
10) Methyl Iodide	4.26	142	87187	19.145	ug/l	98
11) Tert butyl alcohol	5.17	59	33648	171.825	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	58309	19.171	ug/l	95
13) Acrolein	3.89	56	14418	93.764	ug/l	97
14) Allyl chloride	4.65	41	94453	19.512	ug/l	99
15) Acrylonitrile	5.36	53	71678	107.765	ug/l	98
16) Acetone	4.12	43	64981	107.873	ug/l	91
17) Carbon Disulfide	4.38	76	169938	19.330	ug/l	99
18) Methyl Acetate	4.66	43	35871	21.184	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	92946	19.939	ug/l	99
20) Methylene Chloride	4.92	84	69576	20.893	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	65090	19.800	ug/l	99
22) Diisopropyl ether	6.31	45	179880	19.541	ug/l	95
23) Vinyl Acetate	6.25	43	547702	100.295	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107626	19.376	ug/l	98
25) 2-Butanone	7.17	43	95445	105.548	ug/l	99
26) 2,2-Dichloropropane	7.16	77	71408	19.450	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	68732	19.811	ug/l	99
28) Bromochloromethane	7.51	49	35795	16.791	ug/l #	100
29) Tetrahydrofuran	7.52	42	59041	106.464	ug/l	98
30) Chloroform	7.67	83	104604	19.235	ug/l	100
31) Cyclohexane	7.95	56	112636	19.453	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	86767	19.700	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90059	19.875	ug/l	99
37) Ethyl Acetate	7.25	43	42965	22.310	ug/l	97
38) Carbon Tetrachloride	8.06	117	82190	20.234	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115535	19.840	ug/l	97
40) Benzene	8.32	78	255123	20.185	ug/l	98
41) Methacrylonitrile	7.48	41	24290	21.133	ug/l	98
42) 1,2-Dichloroethane	8.40	62	67229	19.787	ug/l	97
43) Isopropyl Acetate	8.42	43	75414	20.432	ug/l	99
44) Trichloroethene	9.09	130	71577	20.184	ug/l	91
45) 1,2-Dichloropropane	9.37	63	60928	19.745	ug/l	95
46) Dibromomethane	9.46	93	30676	20.476	ug/l	97
47) Bromodichloromethane	9.64	83	75224	19.733	ug/l	97
48) Methyl methacrylate	9.43	41	37253	21.464	ug/l	96
49) 1,4-Dioxane	9.45	88	10679	474.877	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	193779	104.724	ug/l	98
52) Toluene	10.39	92	165429	20.422	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	78334	20.001	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	95366	20.027	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45763	20.437	ug/l	97
56) Ethyl methacrylate	10.65	69	61263	20.905	ug/l	97
57) 1,3-Dichloropropane	10.93	76	80057	20.488	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	137170	101.107	ug/l	99
59) 2-Hexanone	10.97	43	134867	105.940	ug/l	100
60) Dibromochloromethane	11.13	129	52926	20.816	ug/l	98
61) 1,2-Dibromoethane	11.24	107	42541	19.981	ug/l	96
64) Tetrachloroethene	10.86	164	62173	20.814	ug/l	98
65) Chlorobenzene	11.66	112	169047	20.562	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58358	20.778	ug/l	98
67) Ethyl Benzene	11.73	91	311641	20.921	ug/l	99
68) m/p-Xylenes	11.84	106	236201	41.612	ug/l	99
69) o-Xylene	12.16	106	109360	20.722	ug/l	96
70) Styrene	12.18	104	189115	20.873	ug/l	99
71) Bromoform	12.35	173	31754	21.400	ug/l #	100
73) Isopropylbenzene	12.46	105	304032	20.010	ug/l	100
74) N-amyl acetate	12.27	43	67192	19.929	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	52607	20.702	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41801m	23.012	ug/l	
77) Bromobenzene	12.74	156	71793	19.939	ug/l	98
78) n-propylbenzene	12.80	91	356377	20.038	ug/l	99
79) 2-Chlorotoluene	12.89	91	197490	19.820	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	256589	20.089	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	17821	22.014	ug/l	96
82) 4-Chlorotoluene	12.99	91	206304	19.634	ug/l	99
83) tert-Butylbenzene	13.21	119	225084	20.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	253892	19.976	ug/l	99
85) sec-Butylbenzene	13.38	105	311738	20.170	ug/l	100
86) p-Isopropyltoluene	13.50	119	291494	20.334	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	140400	20.261	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	139305	20.497	ug/l	99
89) n-Butylbenzene	13.82	91	263187	20.107	ug/l	99
90) Hexachloroethane	14.10	117	49425	20.524	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	122352	20.409	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8025	20.647	ug/l	92

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QLast Update : Fri Sep 20 15:58:08 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	88288	20.552	ug/l	99
94) Hexachlorobutadiene	15.24	225	59943	20.396	ug/l	99
95) Naphthalene	15.36	128	146333	20.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	74593	20.095	ug/l	98

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

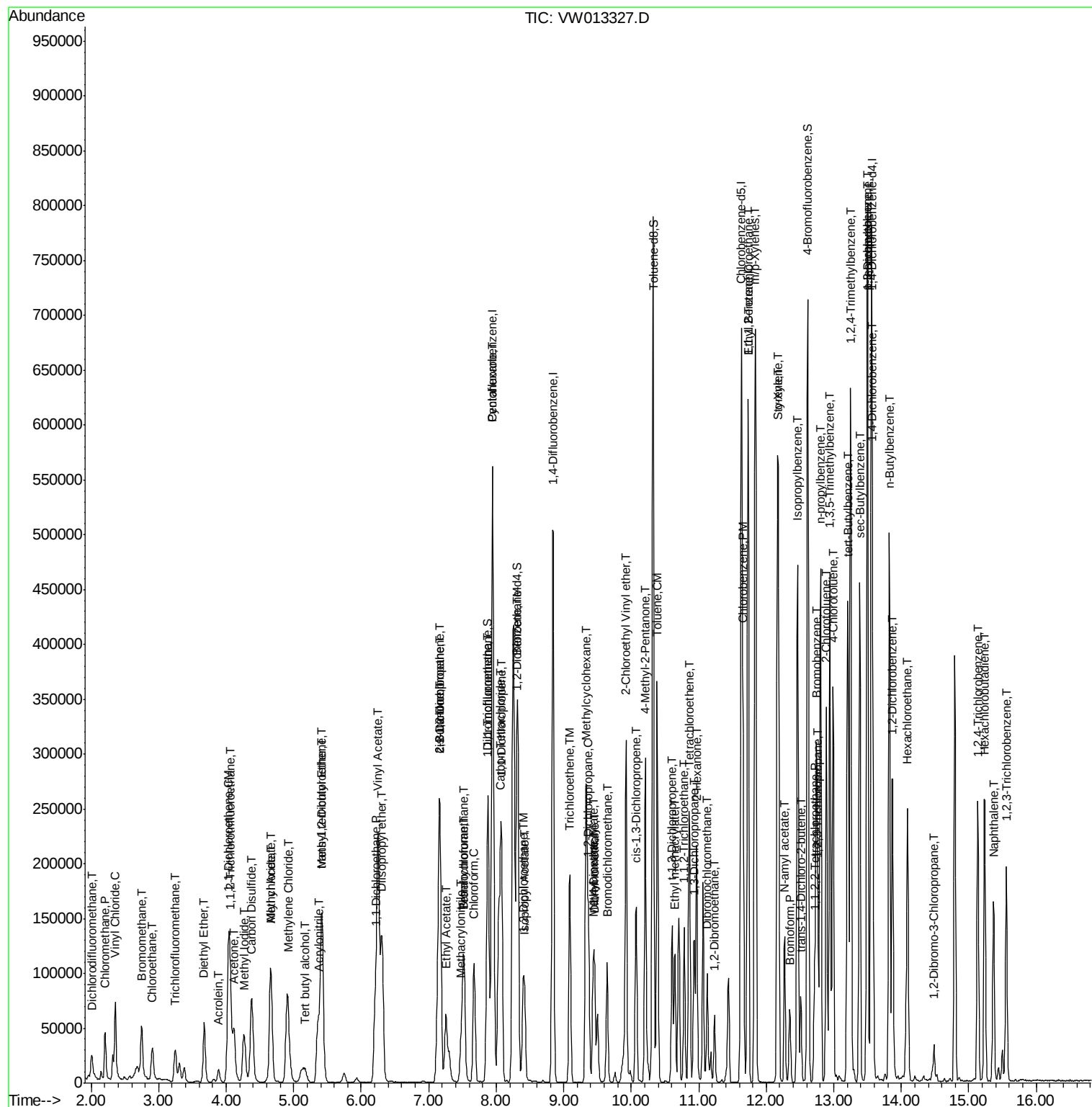
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW093019\
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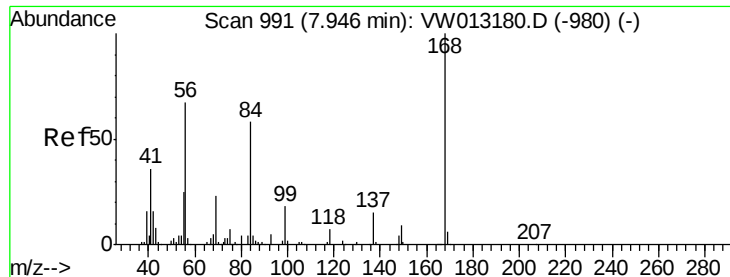
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion:168 Resp: 327294

Ion Ratio Lower Upper

168 100

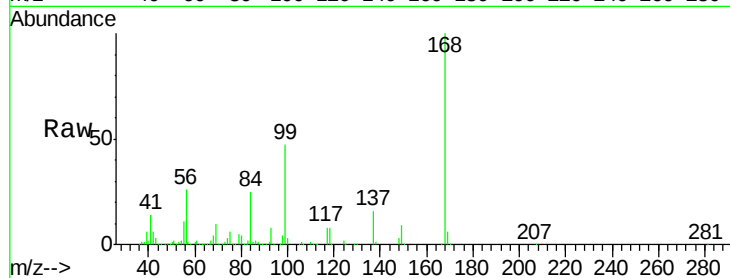
99 47.1 40.2 60.4

Manual Integrations

APPROVED

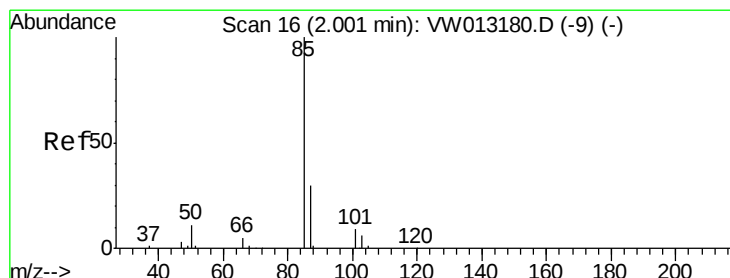
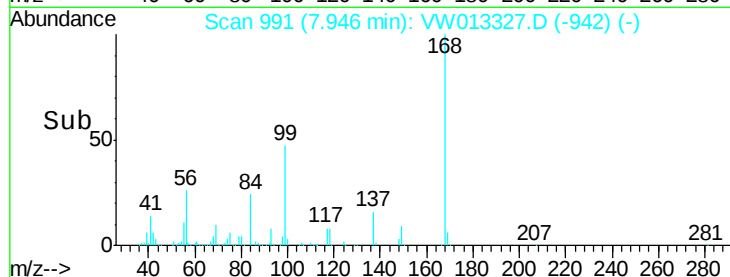
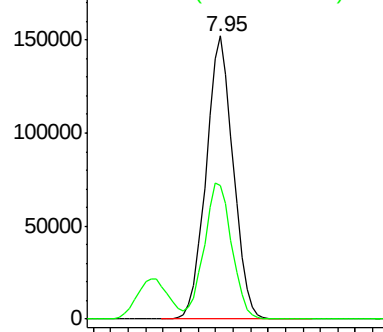
MMDadoda

10/1/2019 11:33:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.806 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013327.D

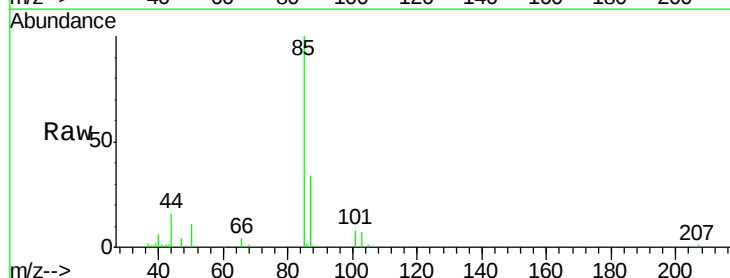
Acq: 30 Sep 2019 12:42

Tgt Ion: 85 Resp: 35504

Ion Ratio Lower Upper

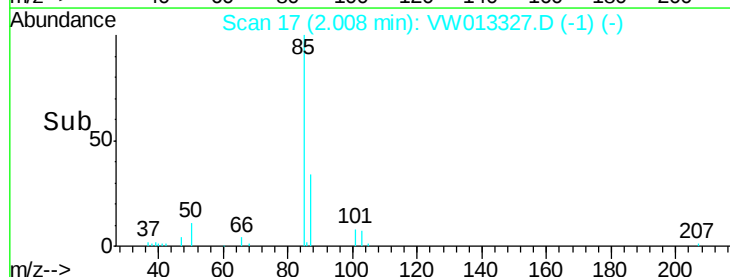
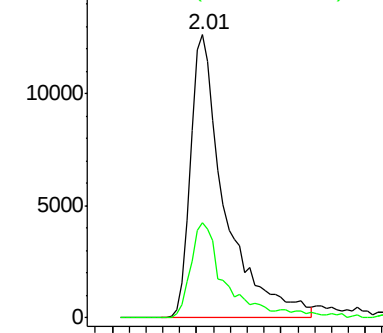
85 100

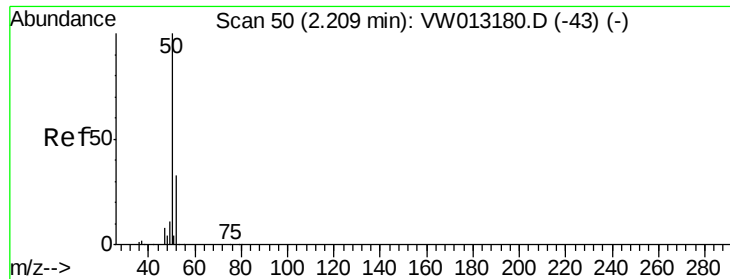
87 33.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.315 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 50 Resp: 44449

Ion Ratio Lower Upper

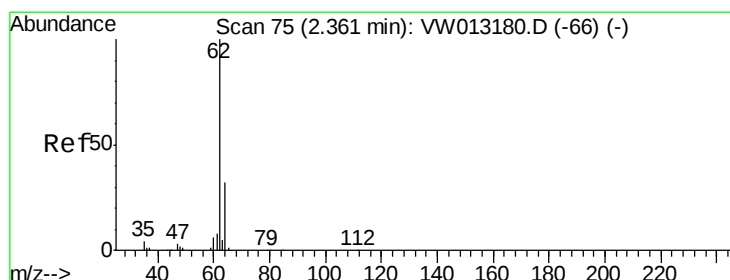
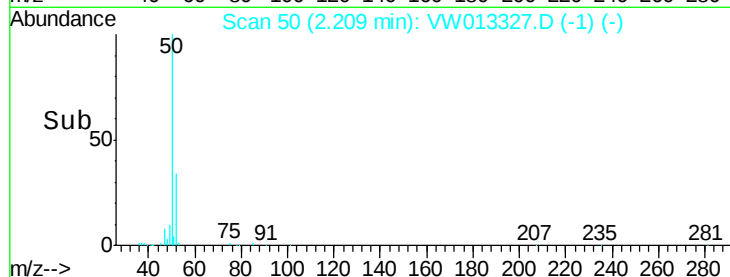
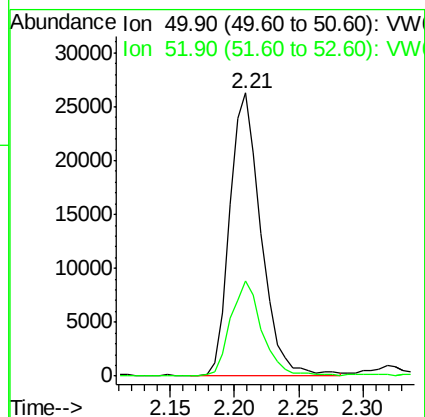
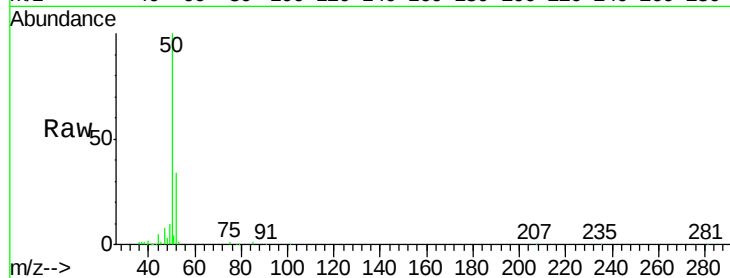
50 100

52 33.8 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.378 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013327.D

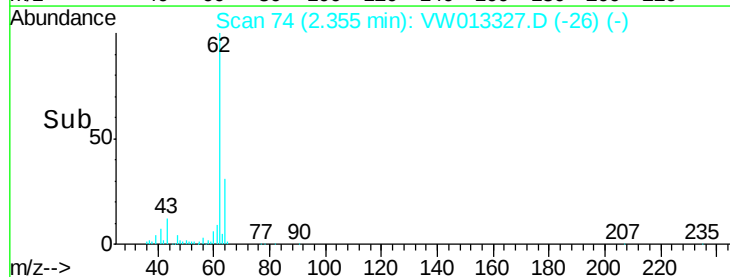
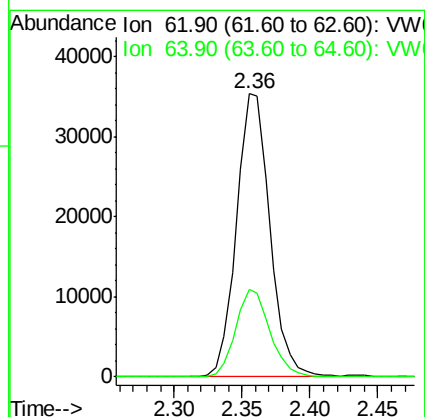
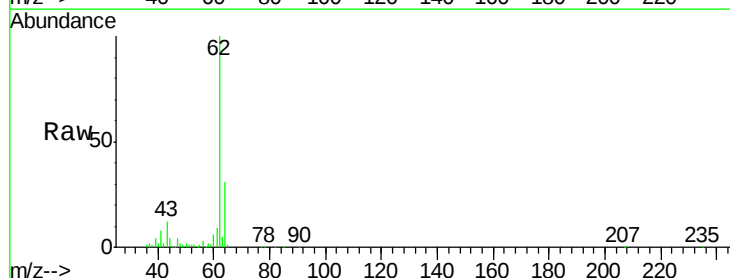
Acq: 30 Sep 2019 12:42

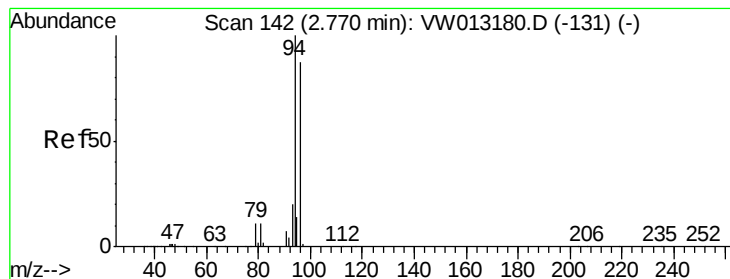
Tgt Ion: 62 Resp: 60629

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9





#5

Bromomethane

Concen: 19.615 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

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ClientSampleId :

VW0930SBS01

Tot Ion: 94 Resp: 38891

Ion Ratio Lower Upper

94 100

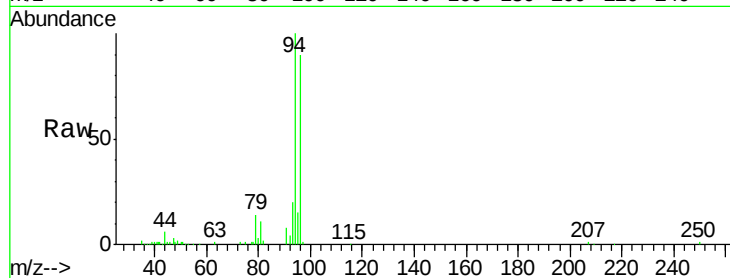
96 89.4 69.7 104.5

Manual Integrations

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10/1/2019 11:33:21 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.75

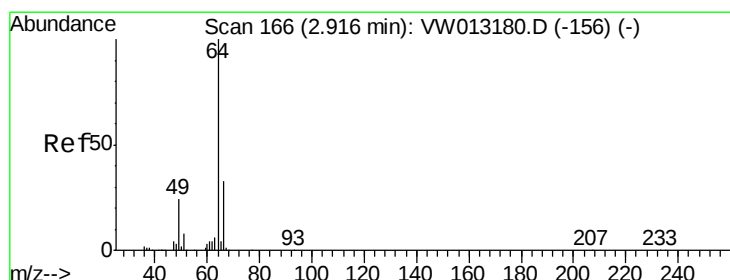
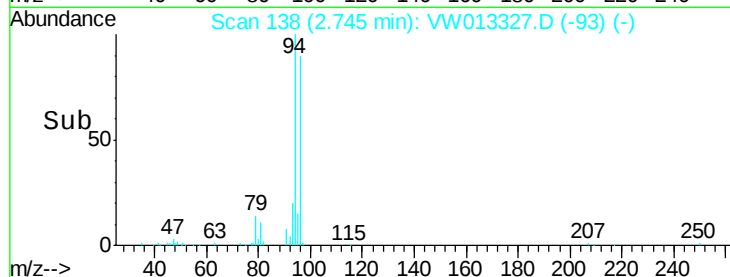
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.073 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013327.D

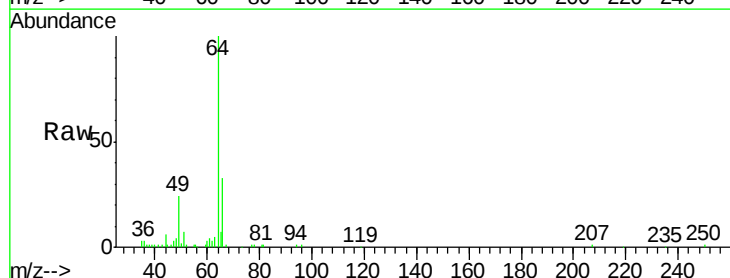
Acq: 30 Sep 2019 12:42

Tgt Ion: 64 Resp: 35175

Ion Ratio Lower Upper

64 100

66 32.6 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

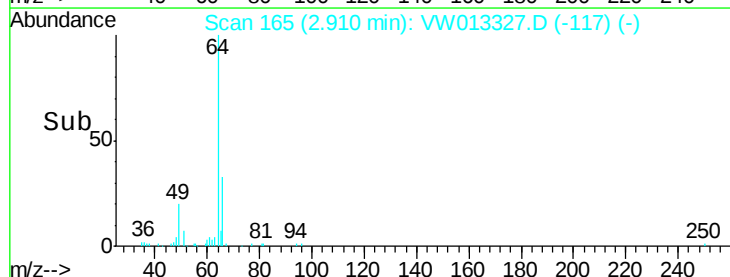
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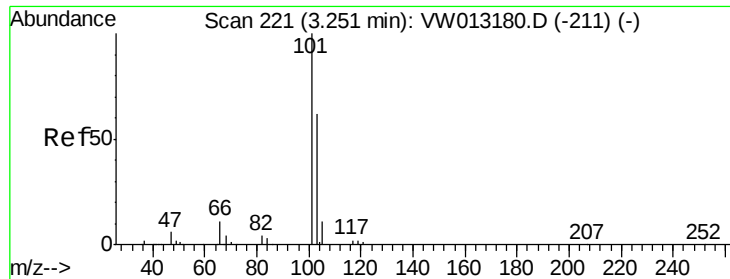
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5000

0

Time-->





#7

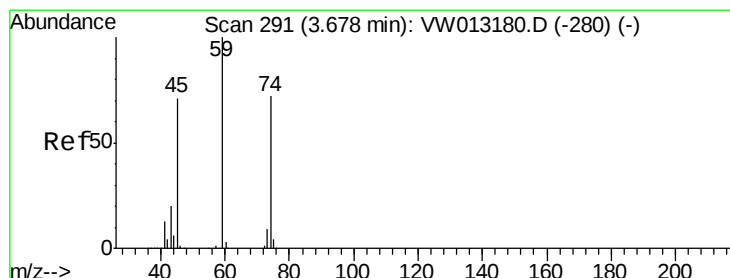
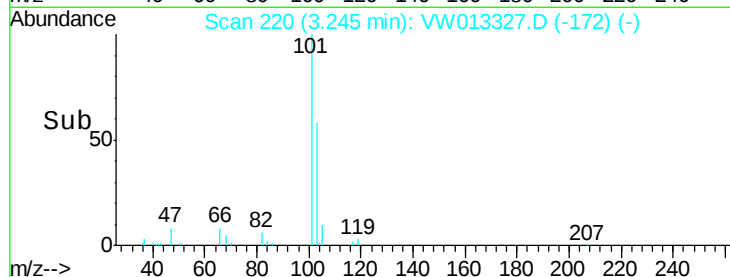
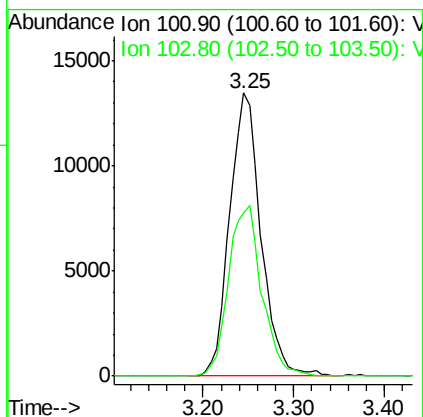
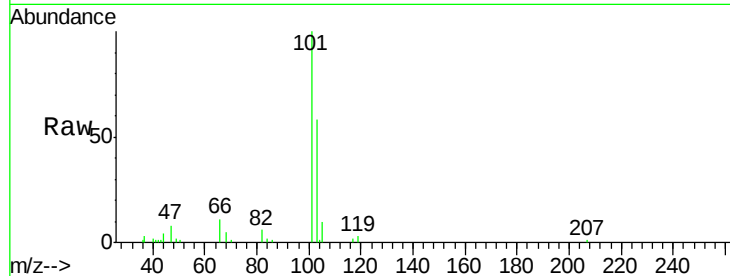
Trichlorofluoromethane
 Concen: 17.868 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampled :
 VW0930SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.6	49.7	74.5

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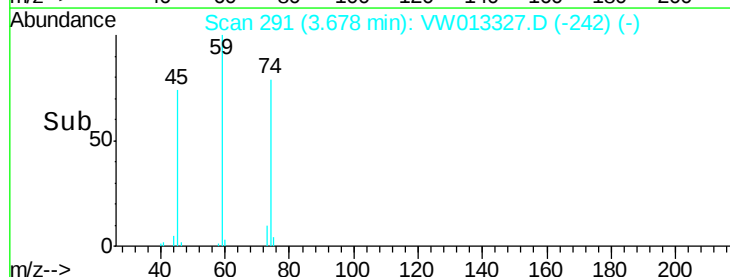
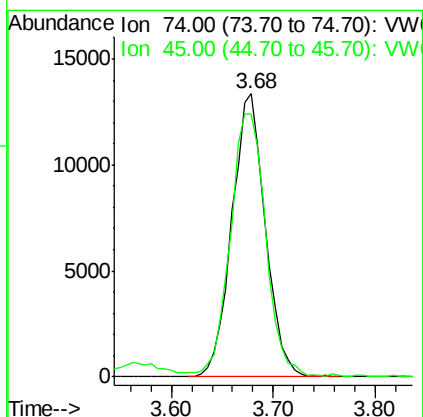
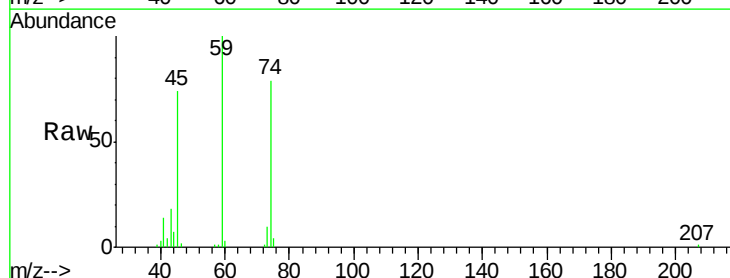
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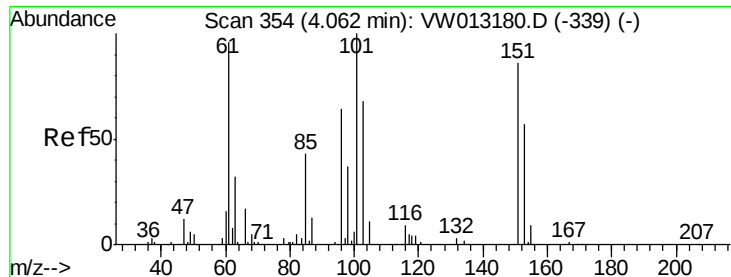


#8

Diethyl Ether
 Concen: 19.646 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.017 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

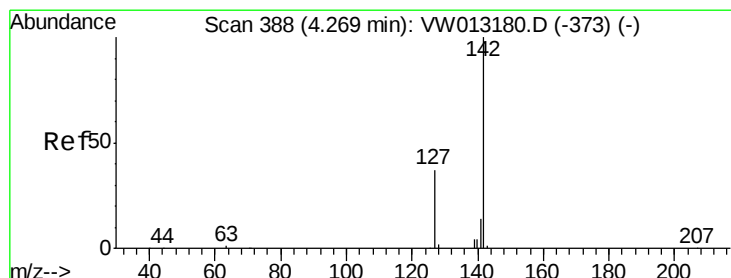
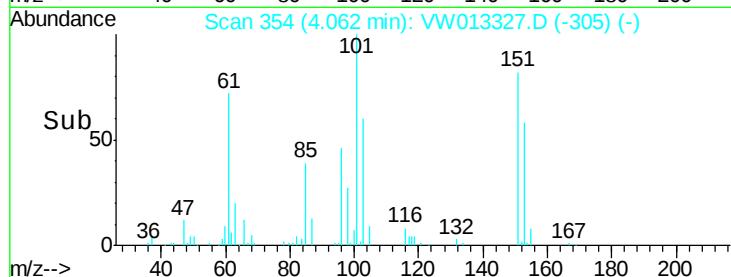
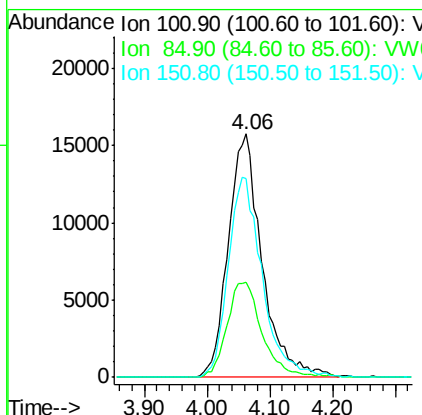
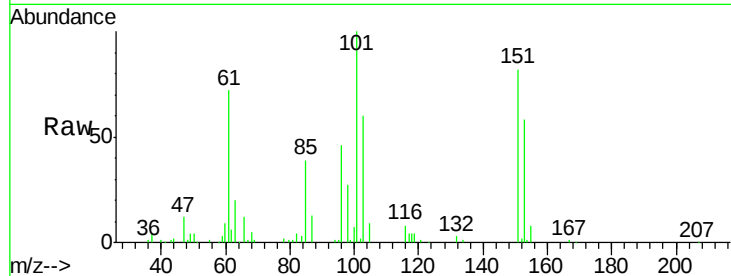
ClientSampleId :

VW0930SBS01

Tot Ion:	101	Resp:	58795
Ion Ratio	Lower	Upper	
101	100		
85	40.4	33.4	50.0
151	82.2	66.9	100.3

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#10

Methyl Iodide

Concen: 19.145 ug/l

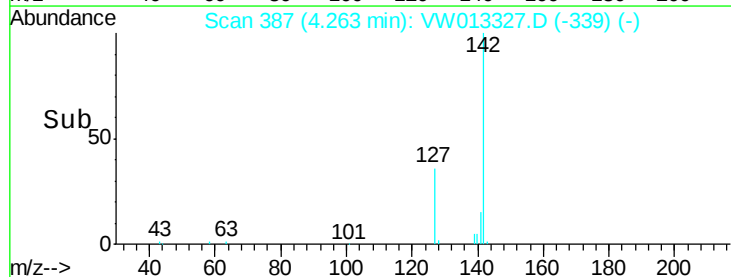
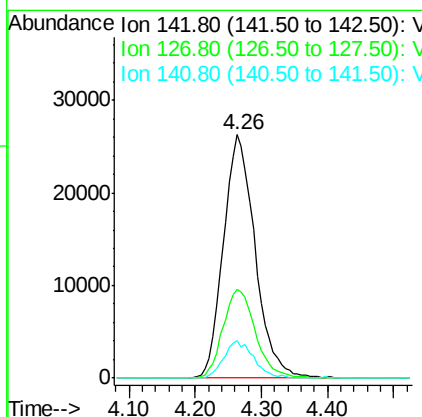
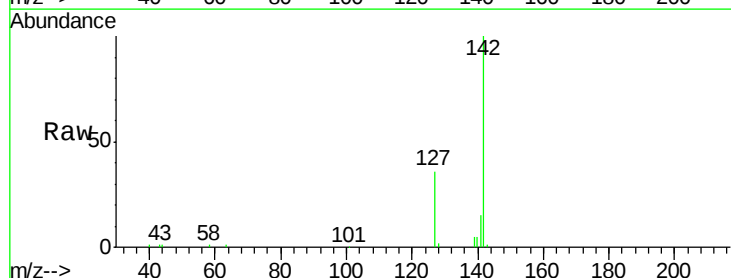
RT: 4.26 min Scan# 387

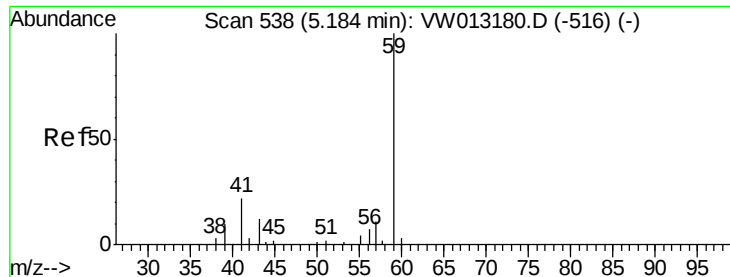
Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	142	Resp:	87187
Ion Ratio	Lower	Upper	
142	100		
127	37.2	30.9	46.3
141	14.4	11.7	17.5





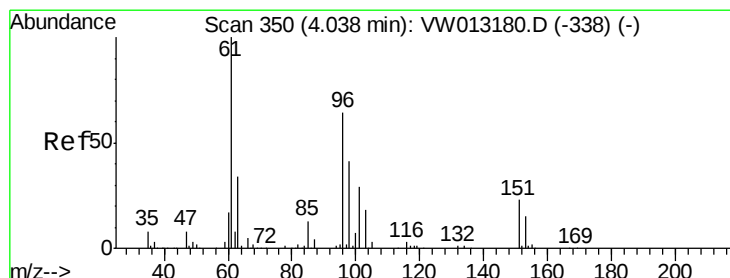
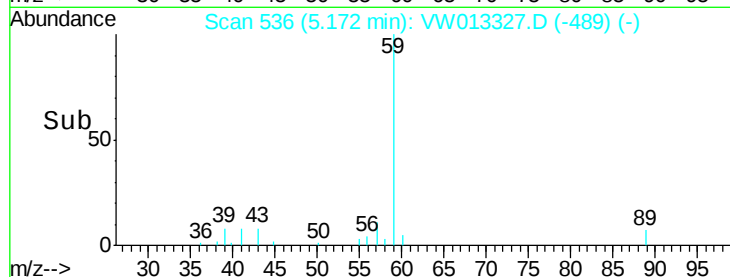
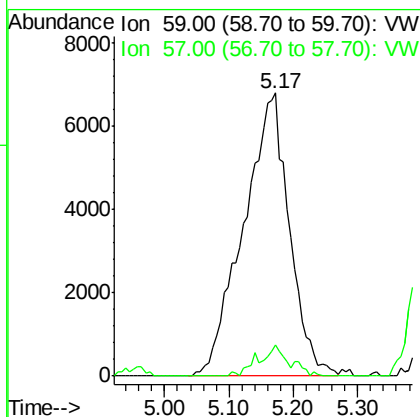
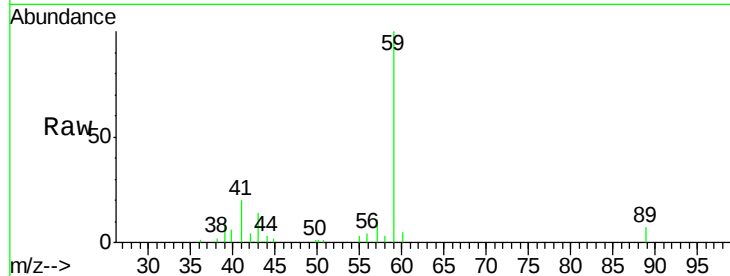
#11
Tert butyl alcohol
Concen: 171.825 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	33648		
57	2.6	8.2	12.2#	

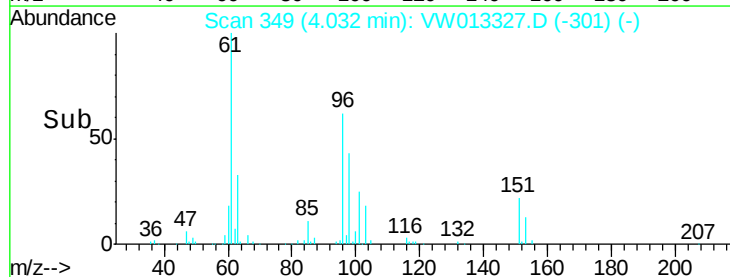
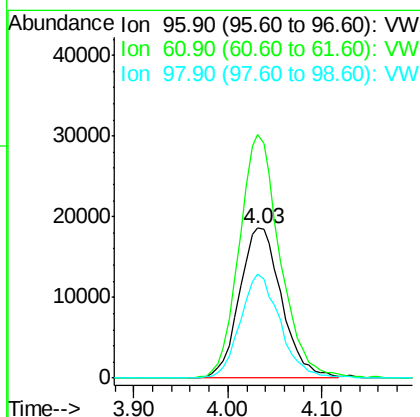
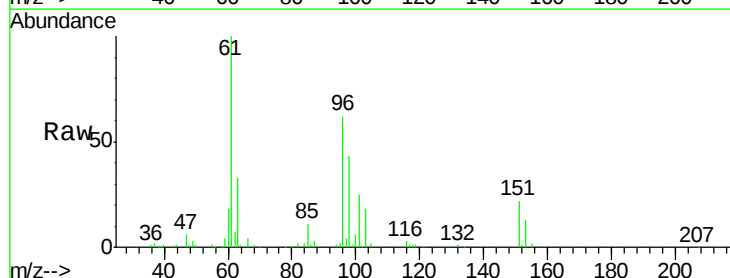
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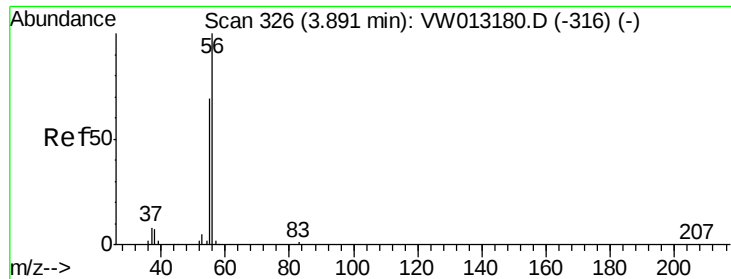
MMDadoda
10/1/2019 11:33:21 AM



#12
1,1-Dichloroethene
Concen: 19.171 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	58309		
61	162.5	125.1	187.7	
98	69.3	50.8	76.2	





#13

Acrolein

Concen: 93.764 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 56 Resp: 14418

Ion Ratio Lower Upper

56 100

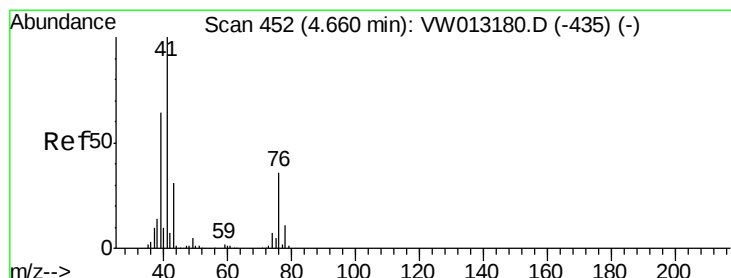
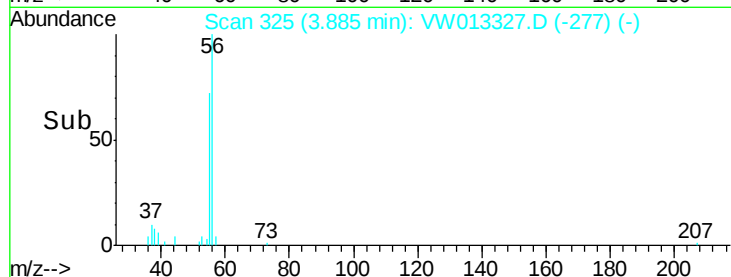
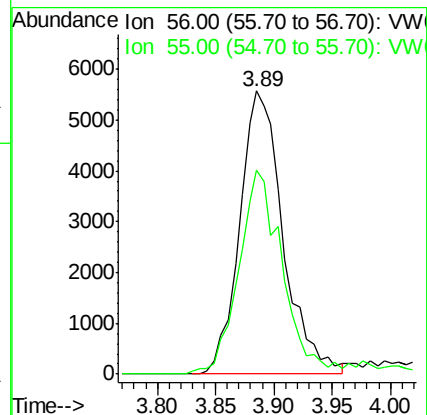
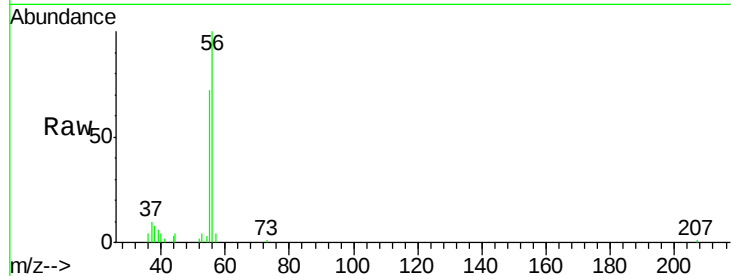
55 72.0 55.4 83.0

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#14

Allyl chloride

Concen: 19.512 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

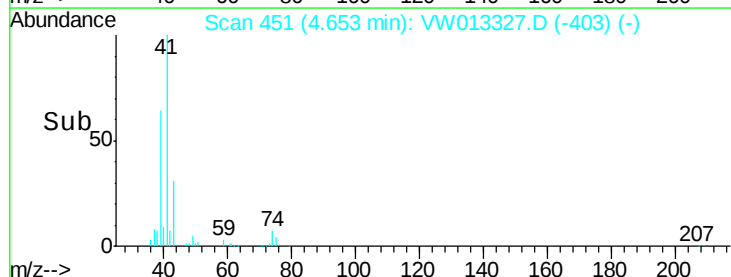
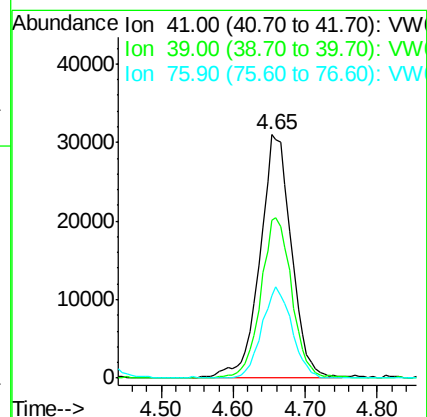
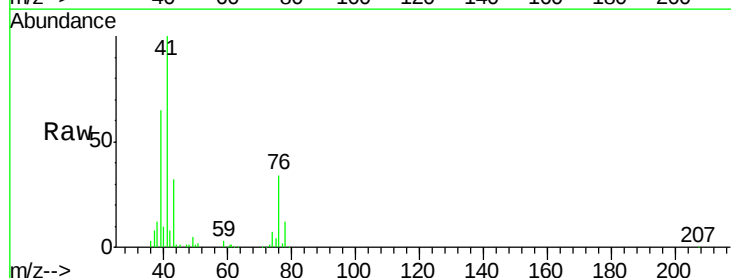
Tgt Ion: 41 Resp: 94453

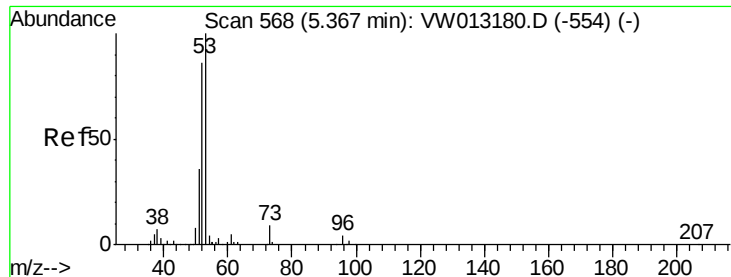
Ion Ratio Lower Upper

41 100

39 64.7 51.0 76.4

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 107.765 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

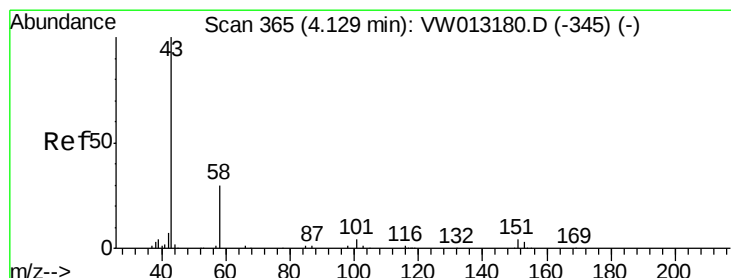
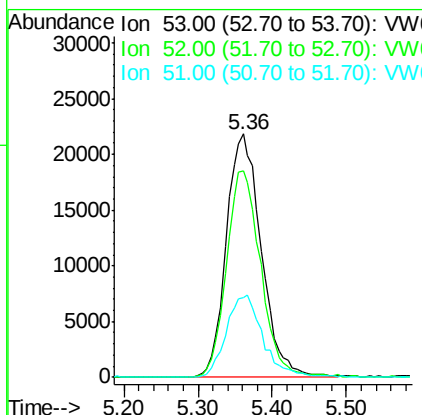
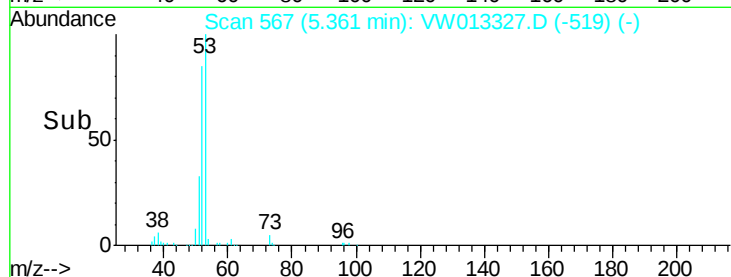
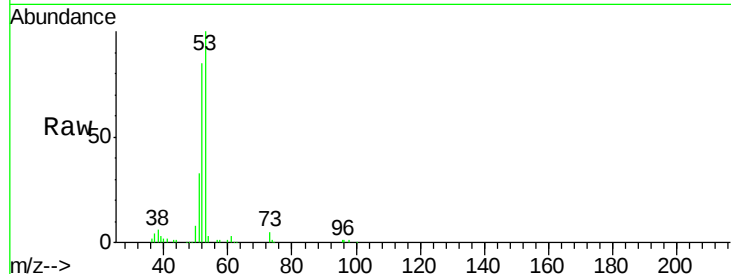
ClientSampleId :

VW0930SBS01

Tot Ion:	53	Resp:	71678
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.3	97.9
51	35.0	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 107.873 ug/l

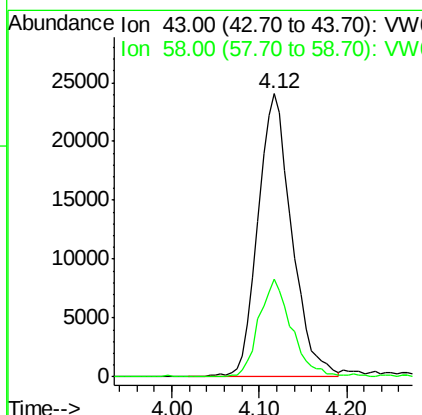
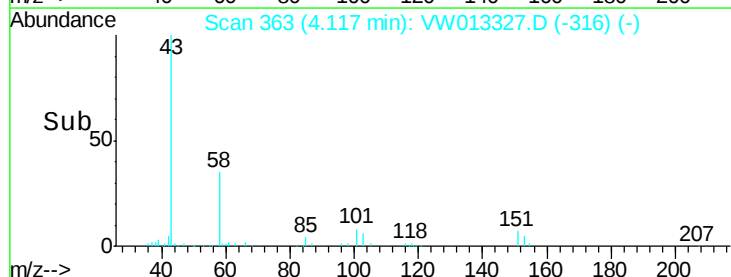
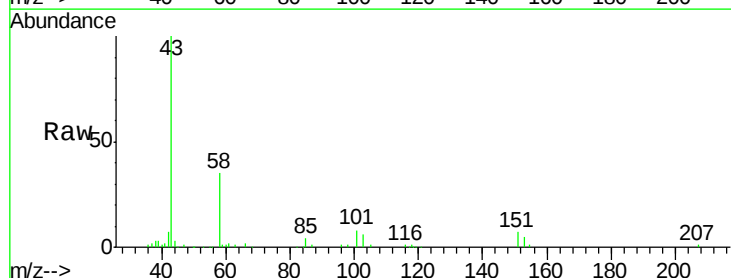
RT: 4.12 min Scan# 363

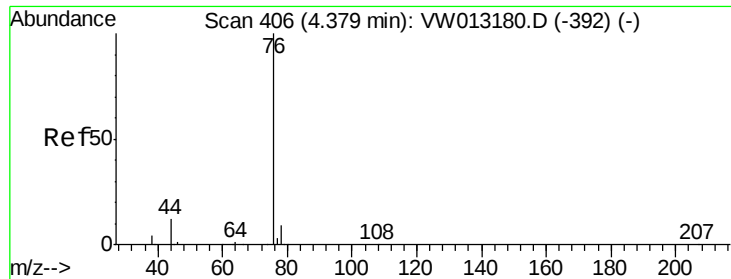
Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	43	Resp:	64981
Ion	Ratio	Lower	Upper
43	100		
58	35.1	24.1	36.1





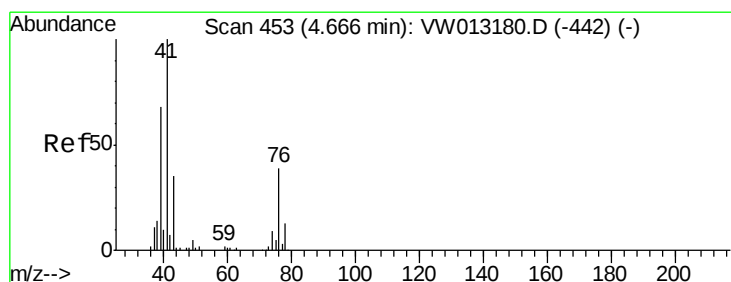
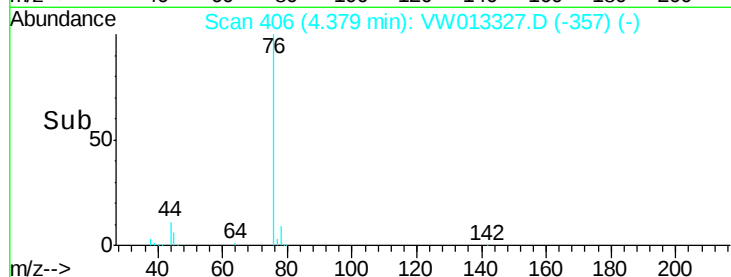
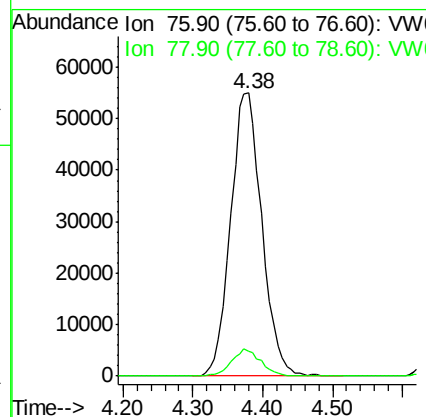
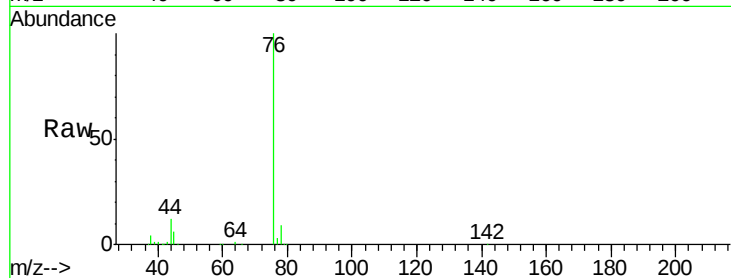
#17
Carbon Disulfide
Concen: 19.330 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

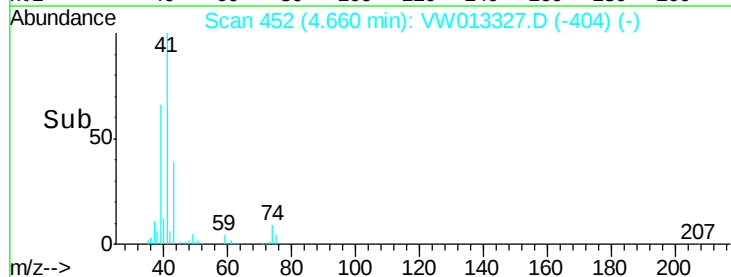
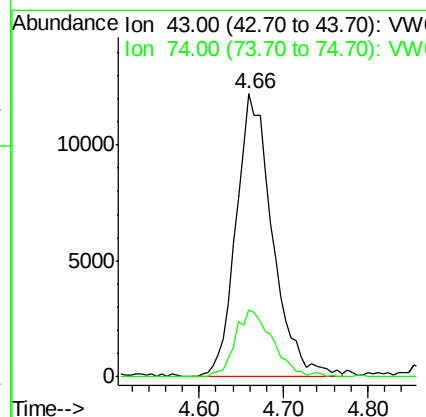
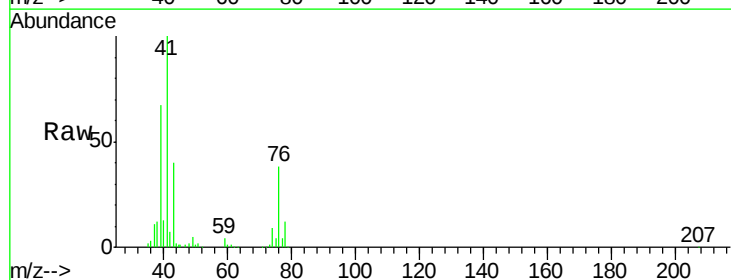
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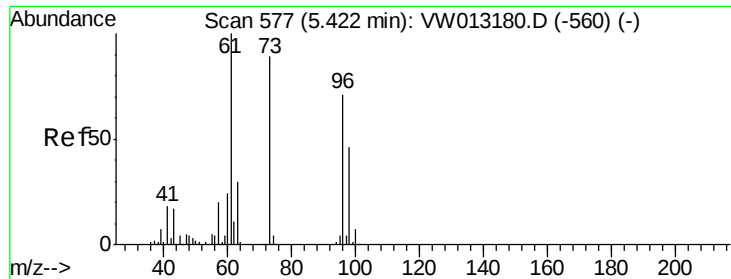
MMDadoda
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#18
Methyl Acetate
Concen: 21.184 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.3	28.9





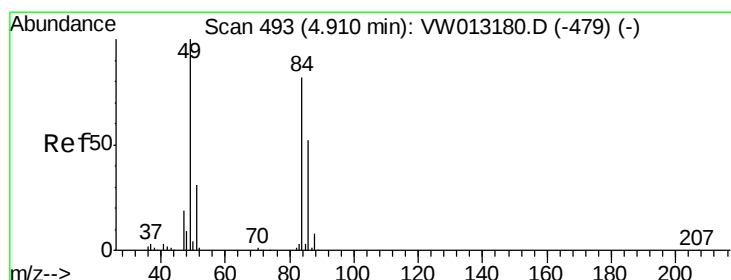
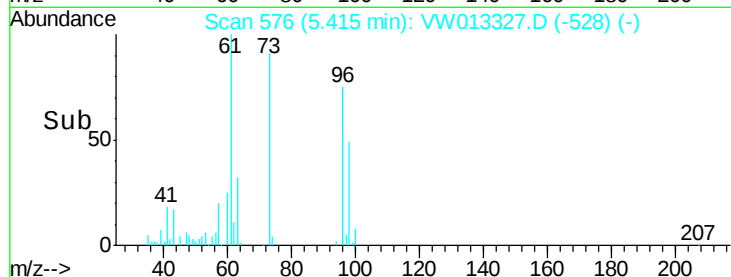
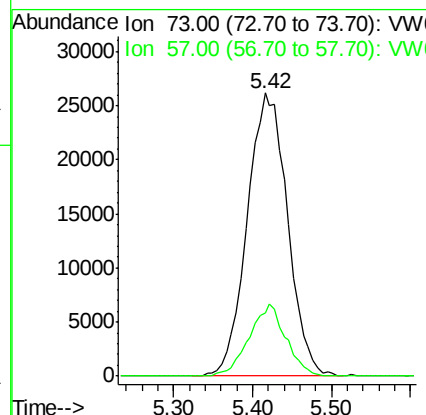
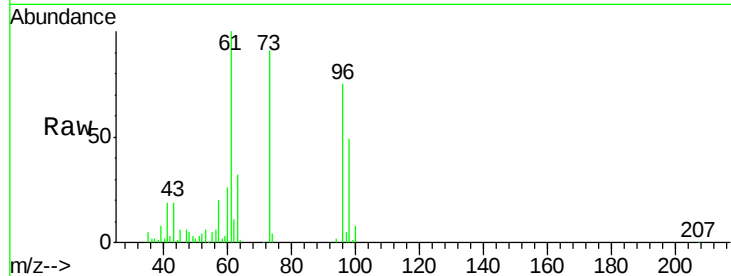
#19
Methvl tert-butvl Ether
Concen: 19.939 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion: 73 Resp: 92946
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4

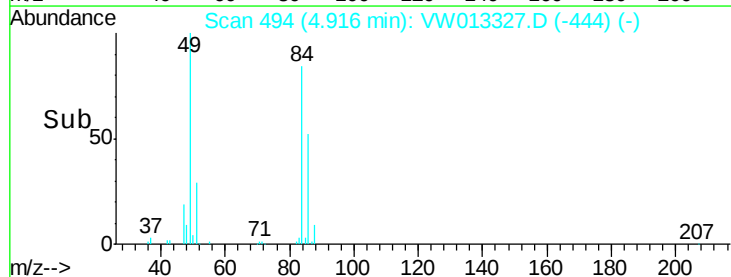
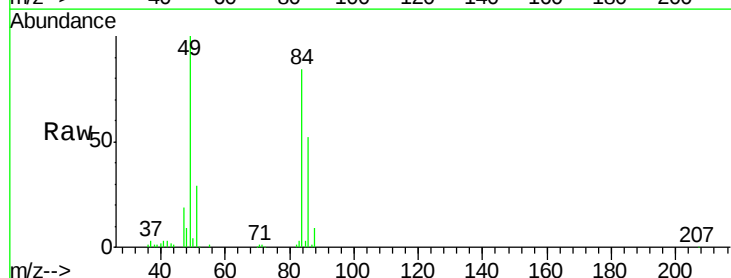
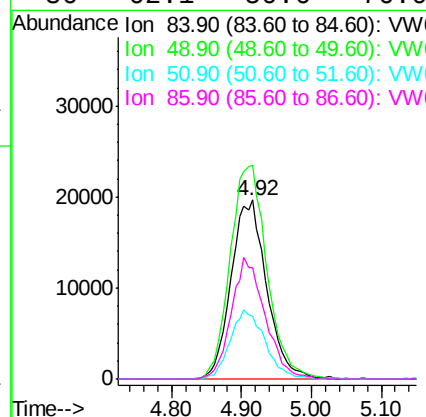
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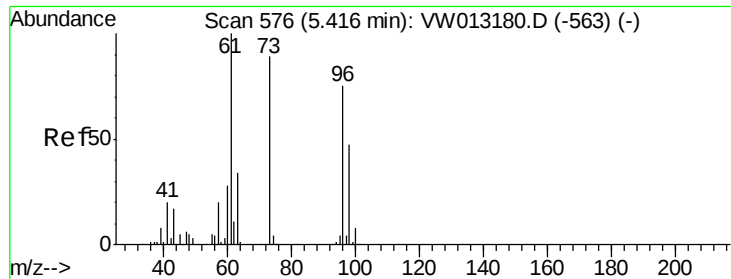
MMDadoda
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#20
Methylene Chloride
Concen: 20.893 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion: 84 Resp: 69576
Ion Ratio Lower Upper
84 100
49 119.4 97.6 146.4
51 35.1 30.2 45.2
86 62.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.800 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

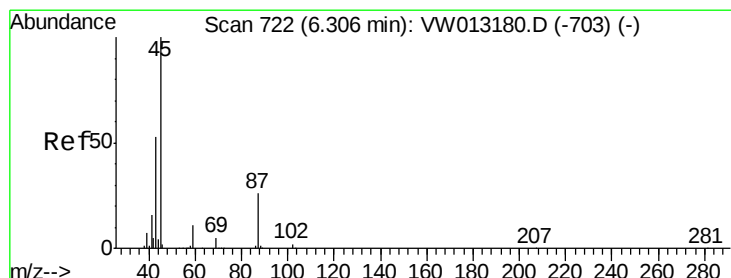
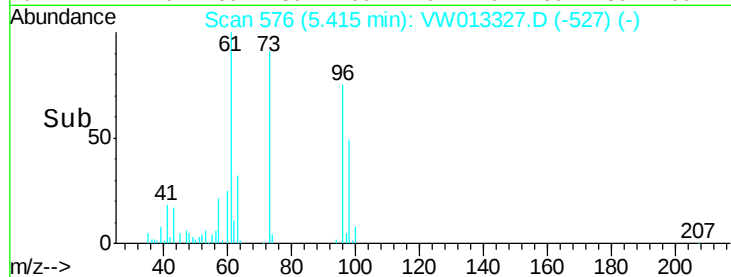
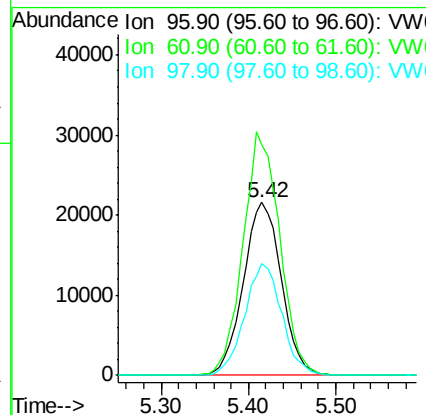
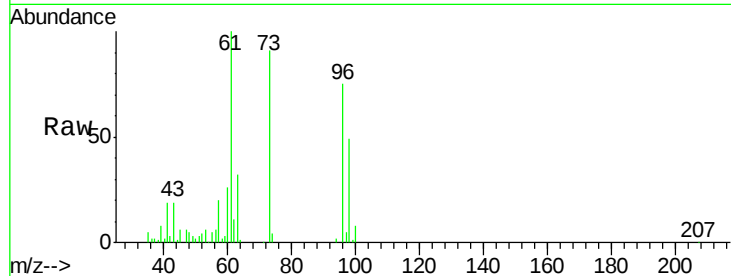
ClientSampleId :

VW0930SBS01

Tot Ion:	96	Resp:	65090
Ion	Ratio	Lower	Upper
96	100		
61	133.7	106.6	159.8
98	65.0	49.8	74.8

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#22

Diisopropyl ether

Concen: 19.541 ug/l

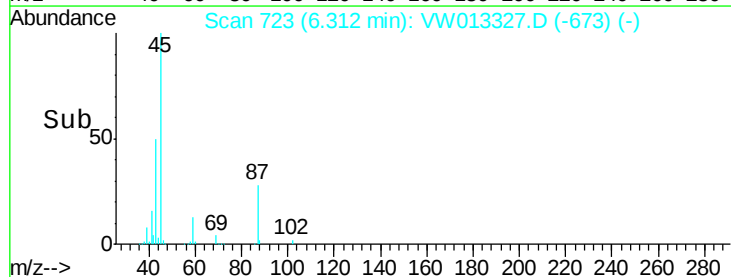
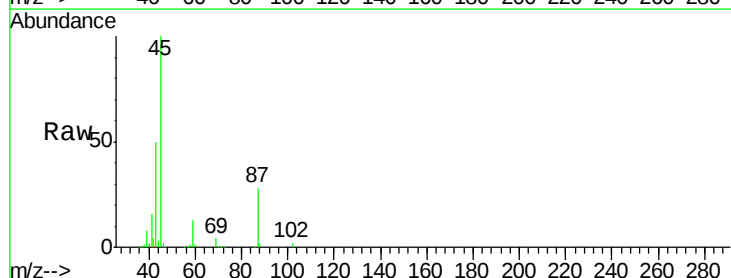
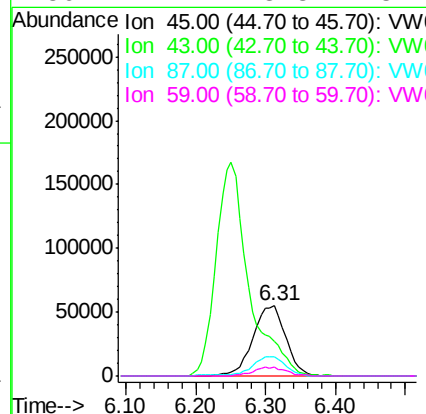
RT: 6.31 min Scan# 723

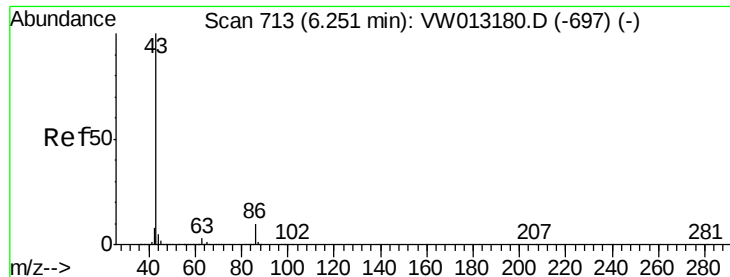
Delta R.T. 0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	45	Resp:	179880
Ion	Ratio	Lower	Upper
45	100		
43	49.2	42.4	63.6
87	27.9	20.4	30.6
59	12.7	8.8	13.2





#23

Vinyl Acetate

Concen: 100.295 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 43 Resp: 547702

Ion Ratio Lower Upper

43 100

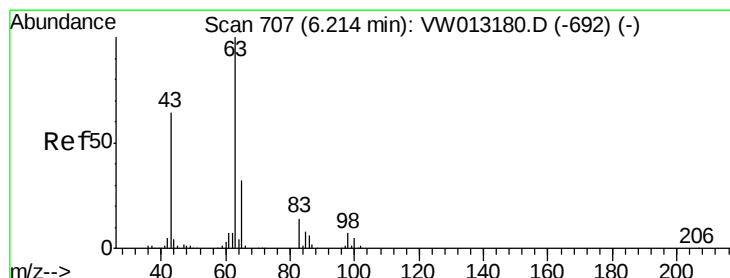
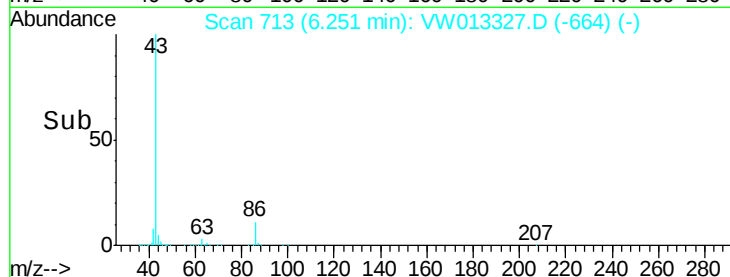
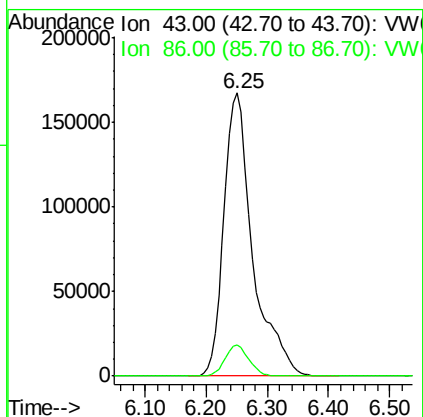
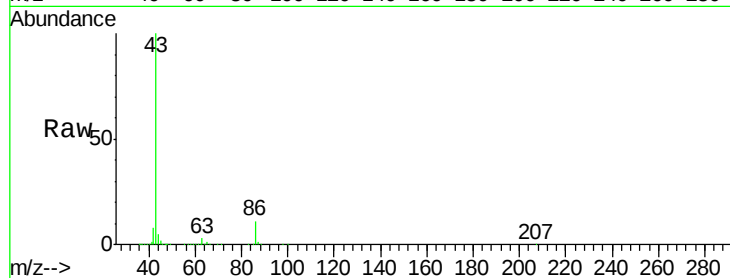
86 10.9 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.376 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

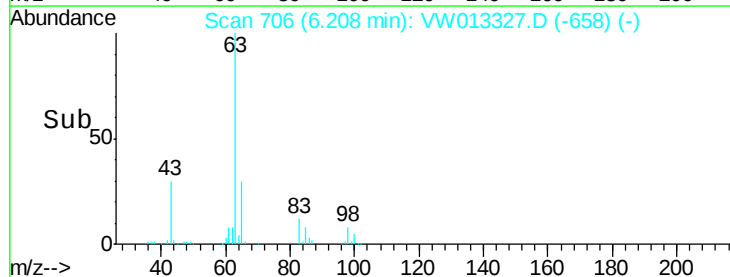
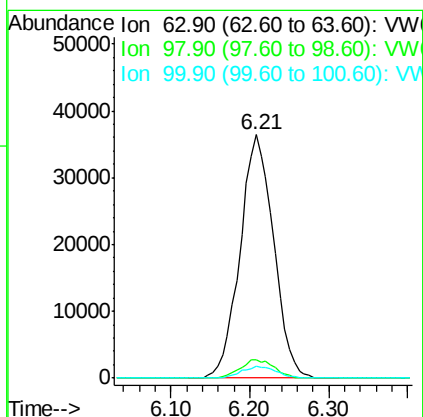
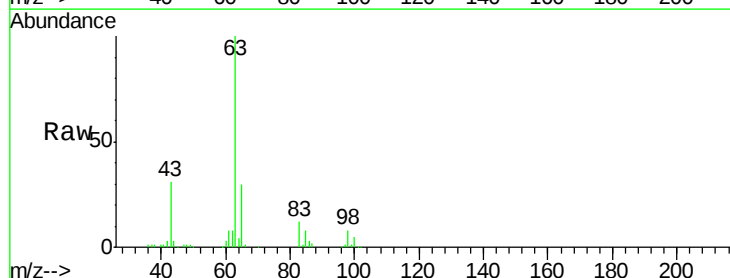
Tgt Ion: 63 Resp: 107626

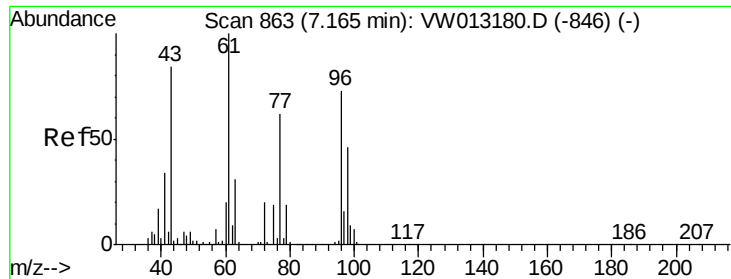
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 105.548 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 43 Resp: 95445

Ion Ratio Lower Upper

43 100

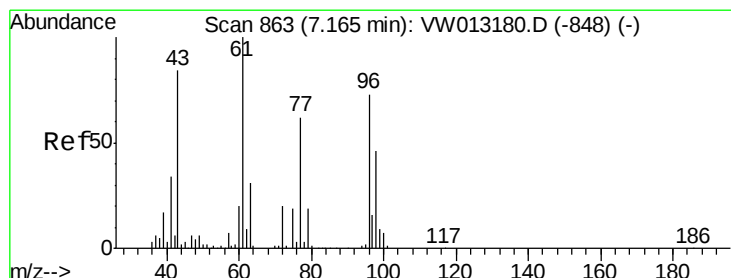
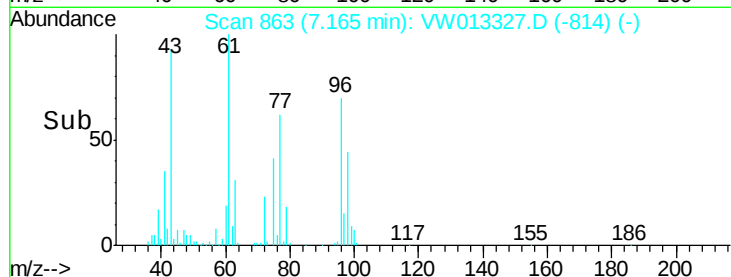
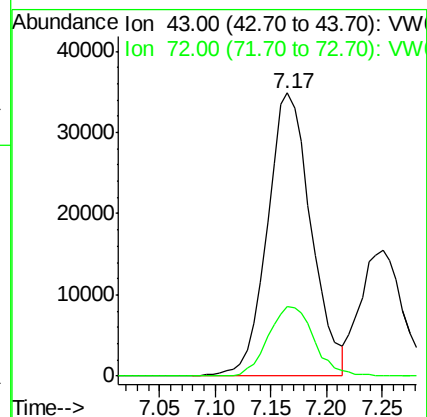
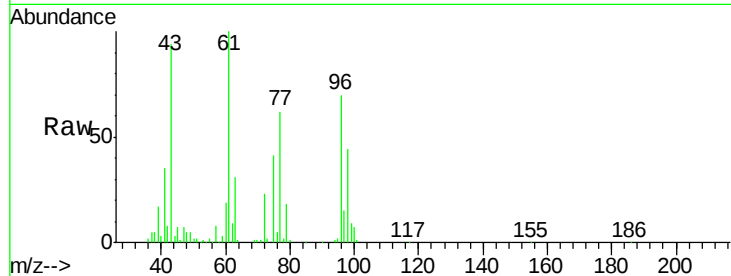
72 24.7 19.4 29.0

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#26

2,2-Dichloropropane

Concen: 19.450 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013327.D

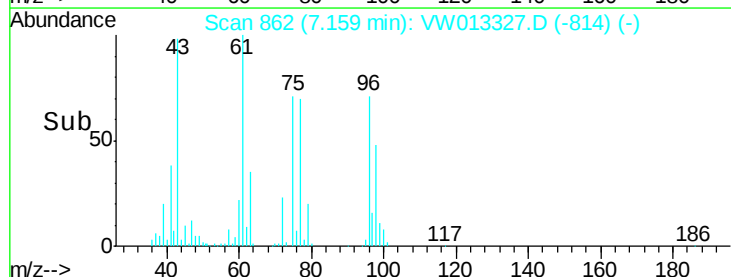
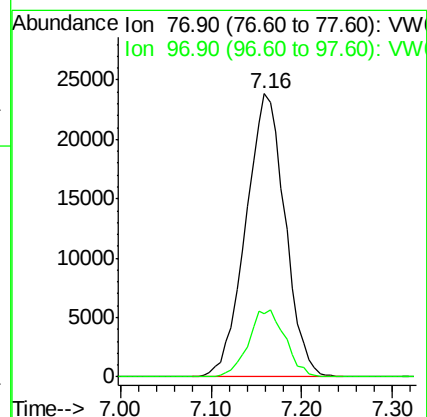
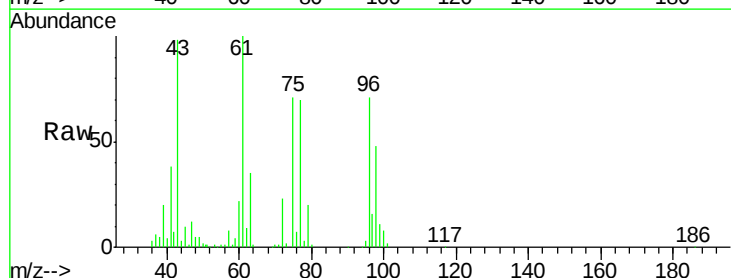
Acq: 30 Sep 2019 12:42

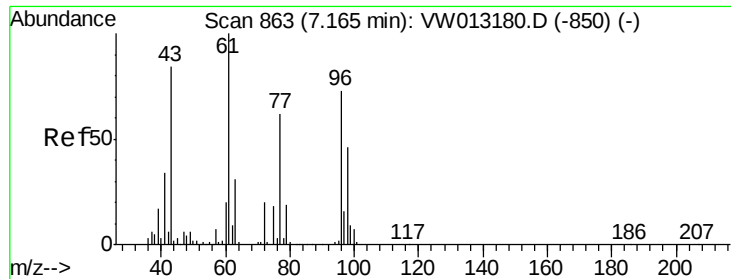
Tgt Ion: 77 Resp: 71408

Ion Ratio Lower Upper

77 100

97 22.3 11.8 35.4





#27

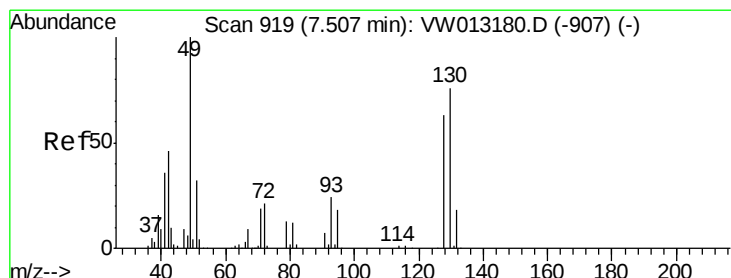
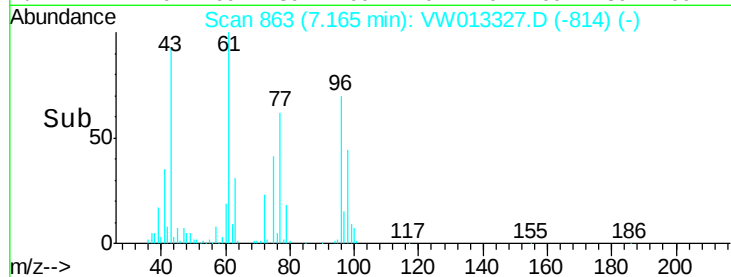
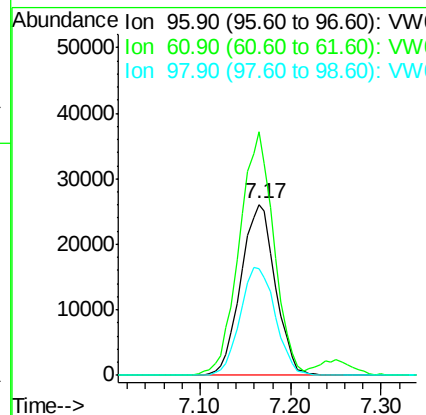
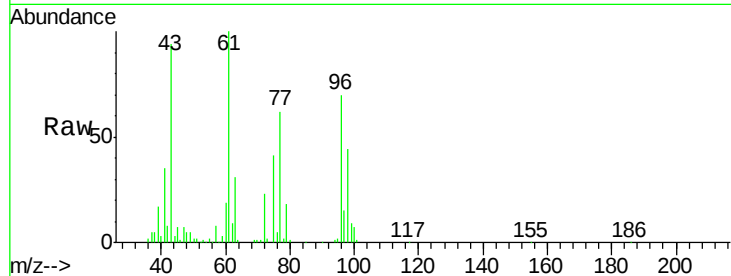
cis-1,2-Dichloroethene
Concen: 19.811 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	282.4
98	64.4	0.0	128.2

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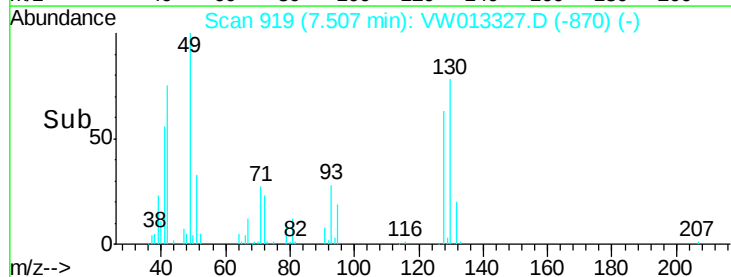
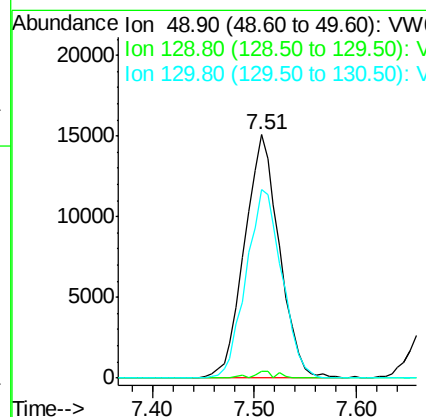
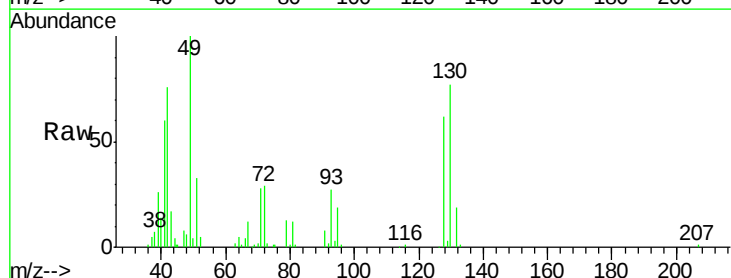
MMDadoda
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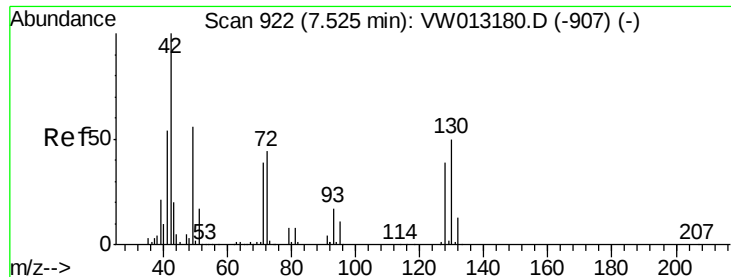


#28

Bromochloromethane
Concen: 16.791 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	1.0#
130	79.7	63.4	95.2





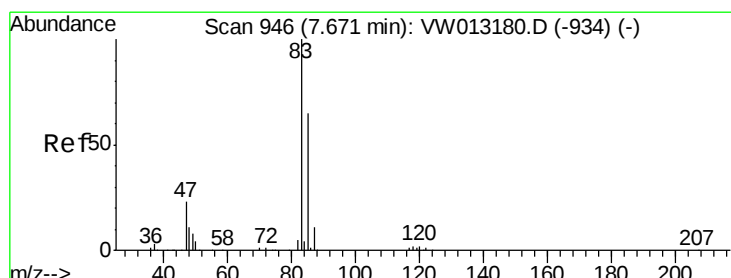
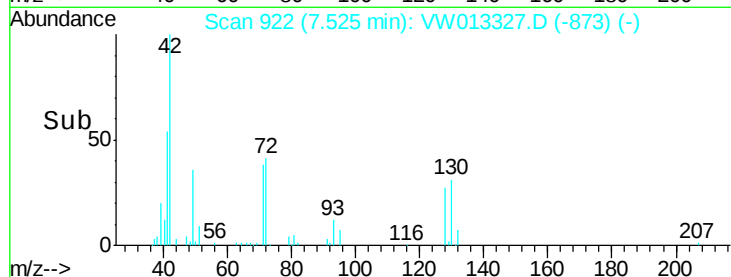
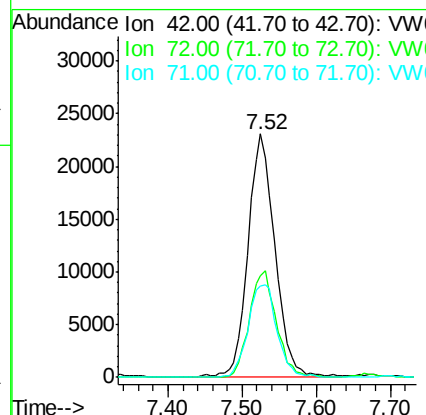
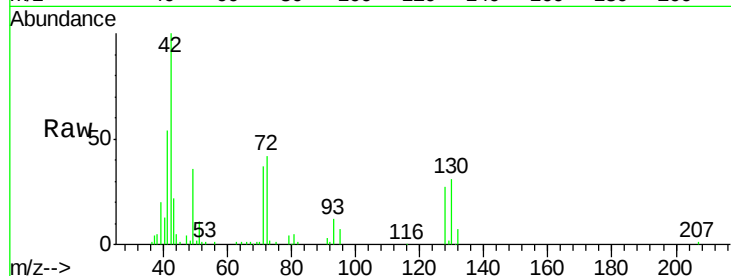
#29
Tetrahydrofuran
Concen: 106.464 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.9	50.9
71	40.7	31.9	47.9

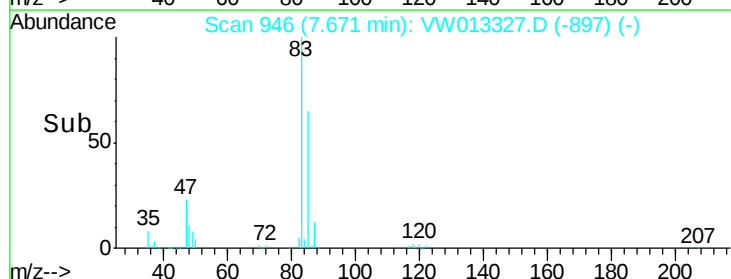
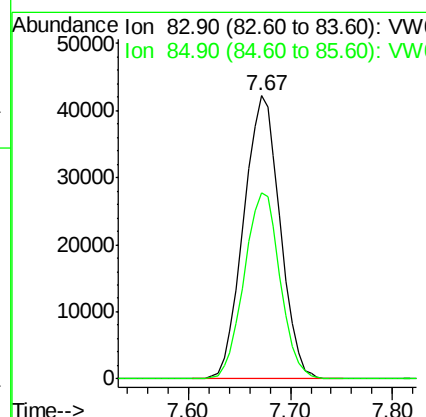
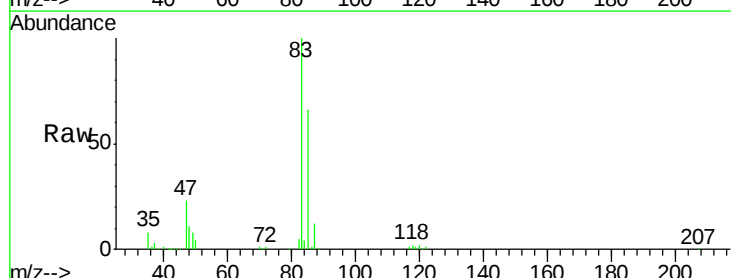
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APPROVED

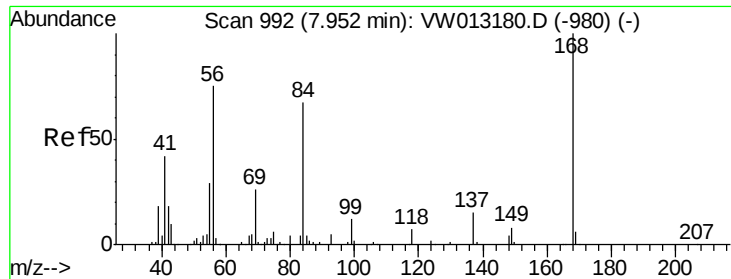
MMDadoda
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#30
Chloroform
Concen: 19.235 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.3	78.5





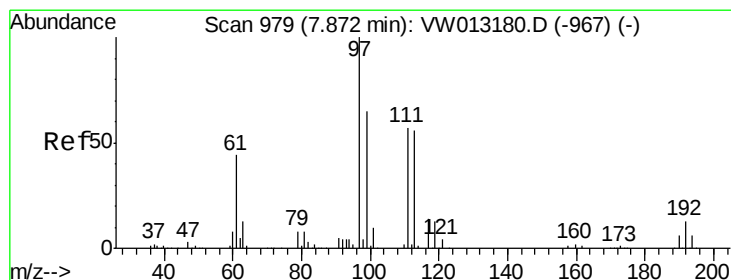
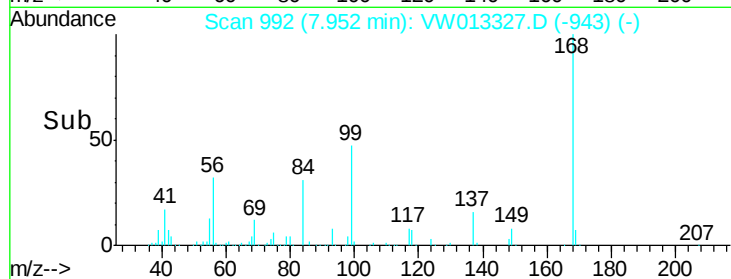
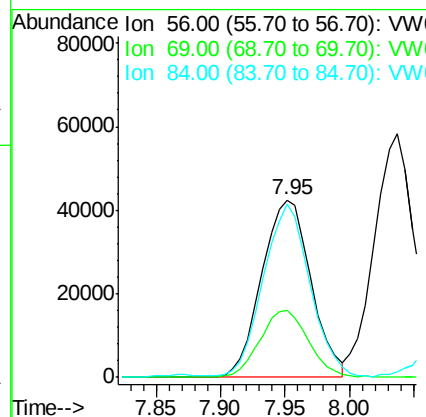
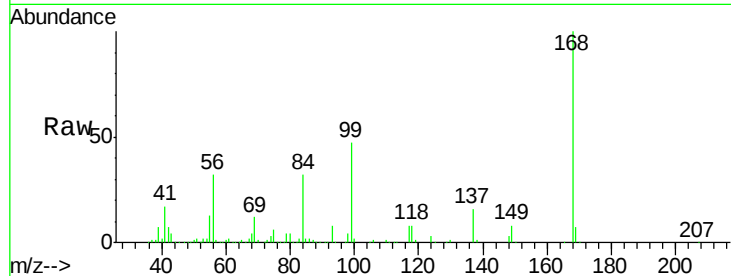
#31
Cyclohexane
Concen: 19.453 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	27.2	40.8
84	96.6	70.8	106.2

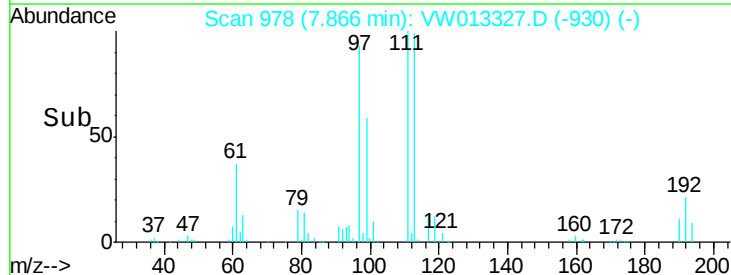
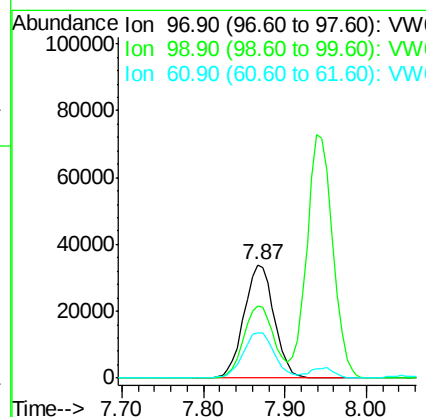
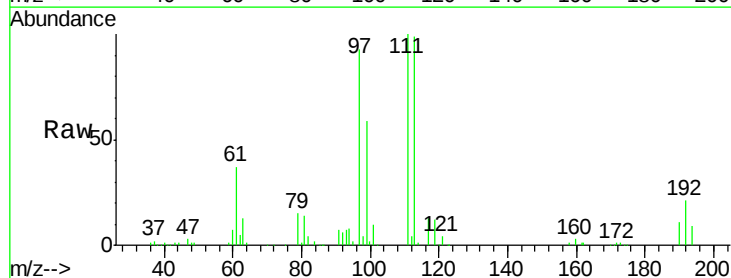
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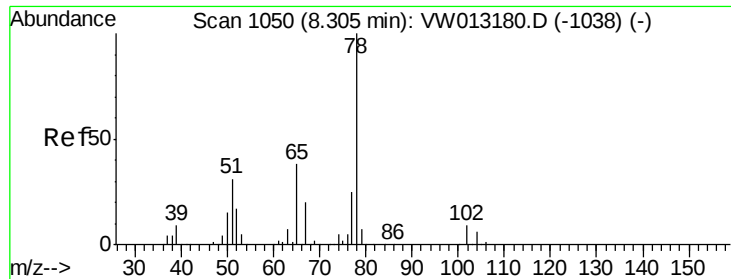
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#32
1,1,1-Trichloroethane
Concen: 19.700 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	41.7	34.6	51.8





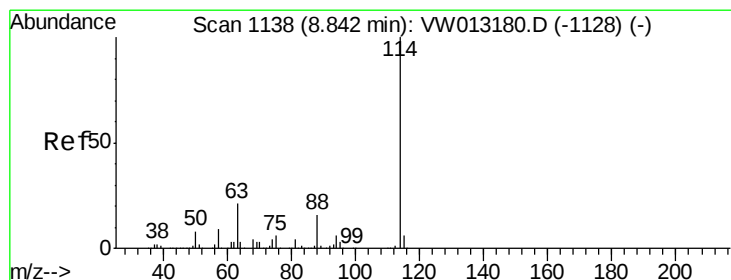
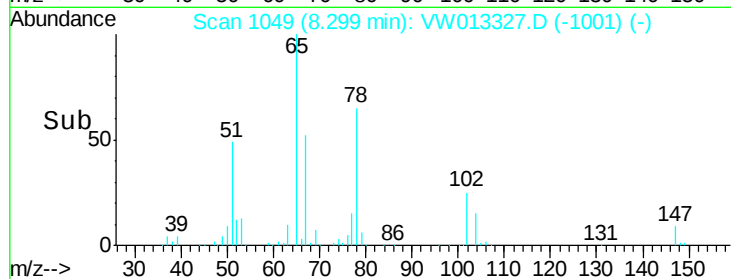
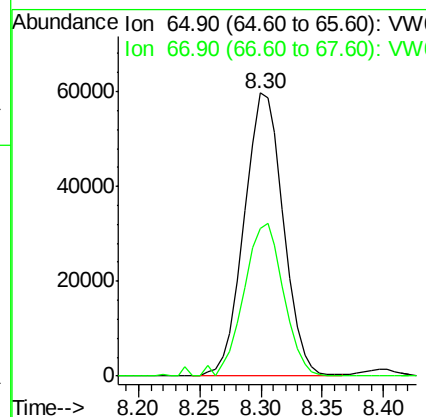
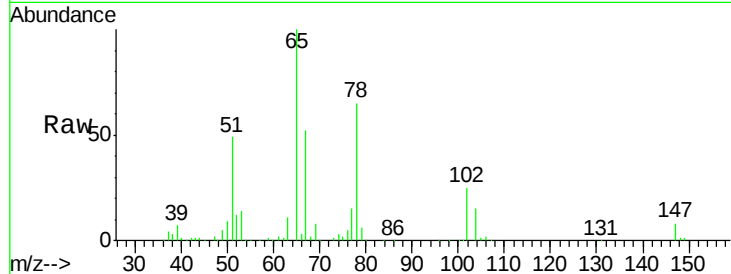
#33
 1,2-Dichloroethane-d4
 Concen: 49.828 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133100		
67	54.7	0.0	106.2	

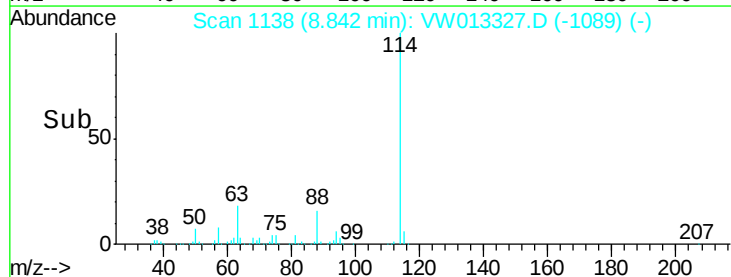
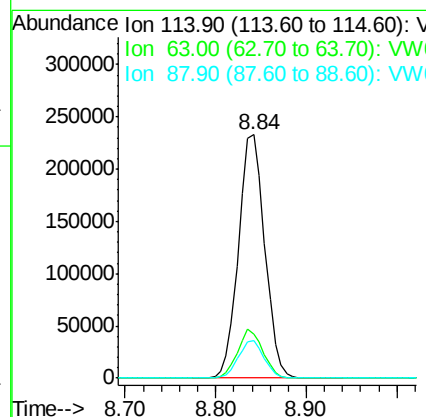
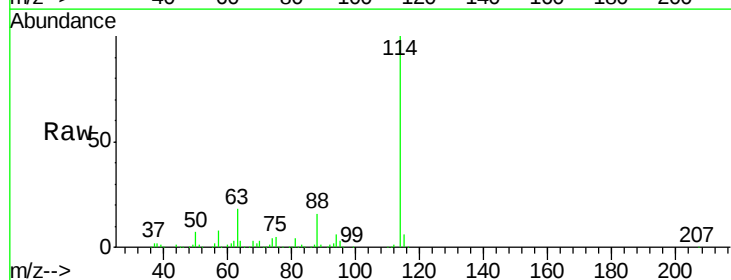
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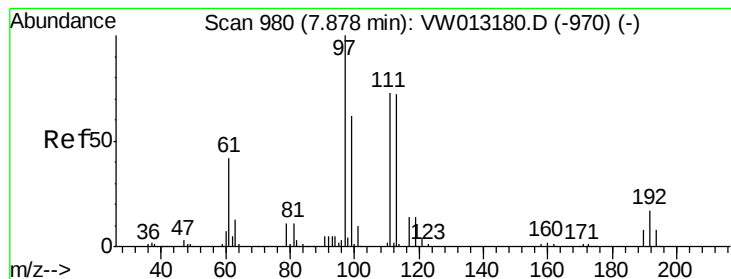
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	467836		
63	18.2	0.0	41.4	
88	15.5	0.0	32.0	





#35

Dibromofluoromethane

Concen: 51.386 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

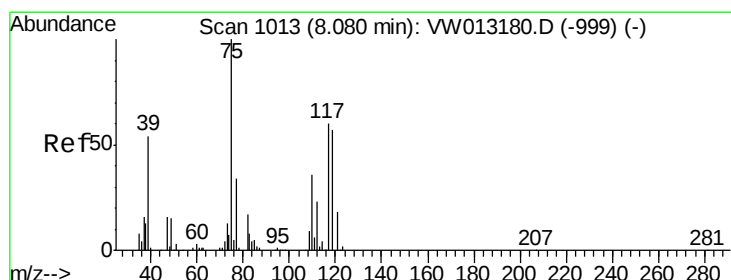
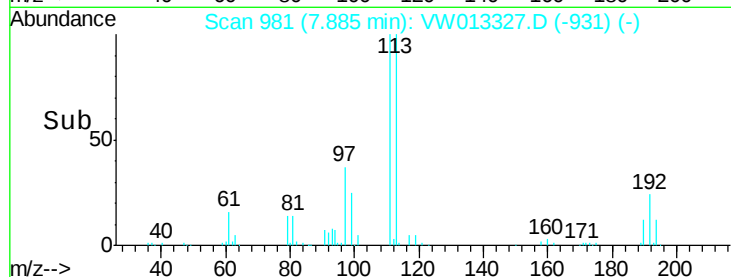
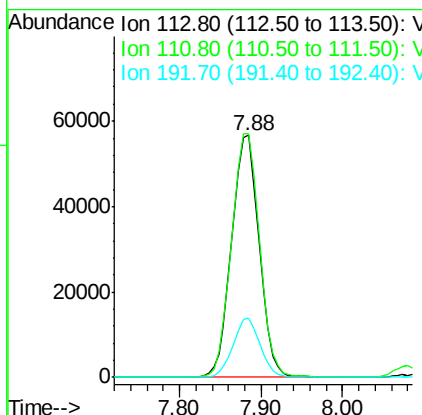
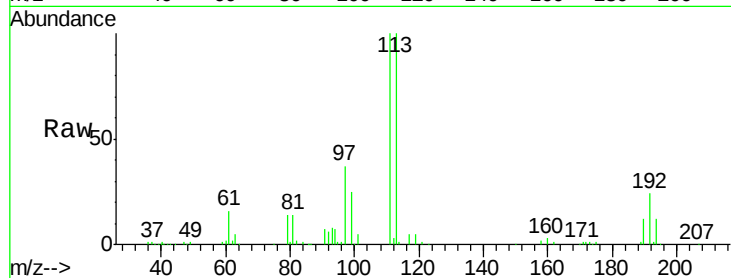
ClientSampleId :

VW0930SBS01

Tot Ion:	113	Resp:	132221
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.9	122.9
192	24.0	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 19.875 ug/l

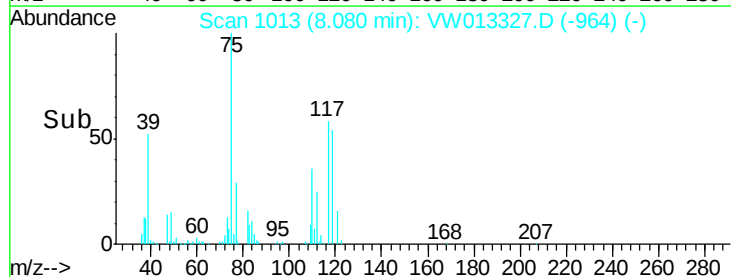
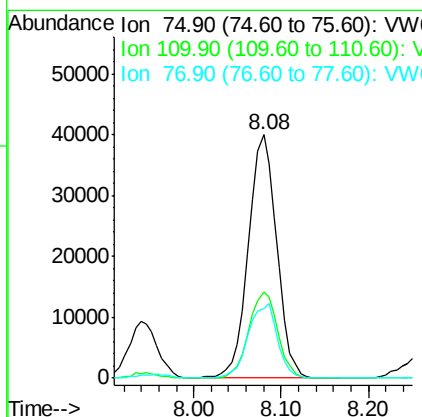
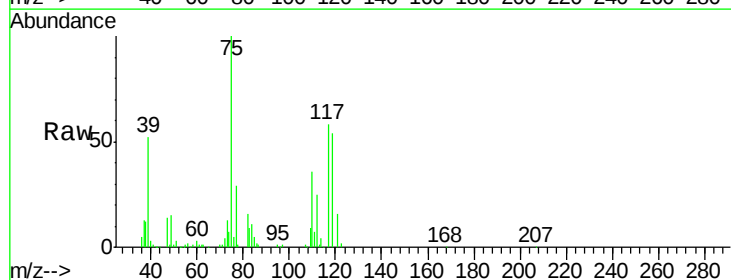
RT: 8.08 min Scan# 1013

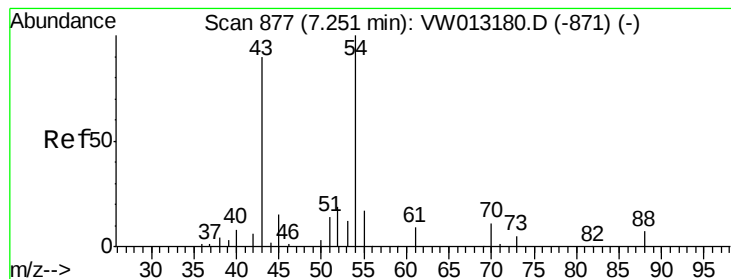
Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	75	Resp:	90059
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.1	54.3
77	31.7	25.8	38.6





#37

Ethyl Acetate

Concen: 22.310 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

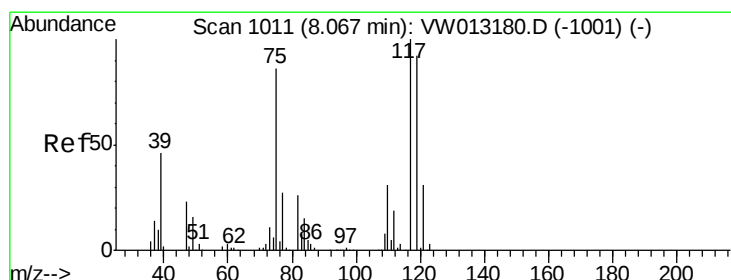
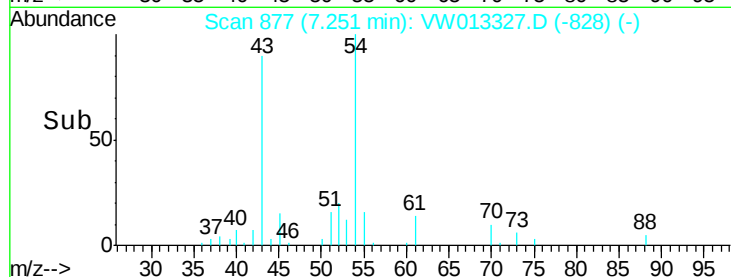
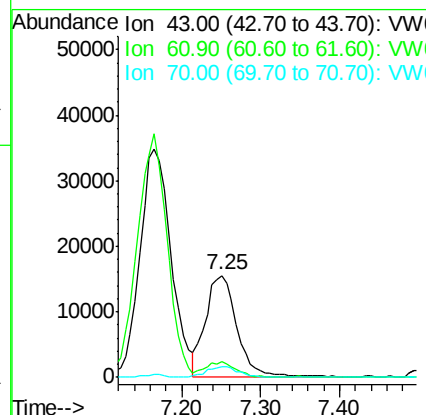
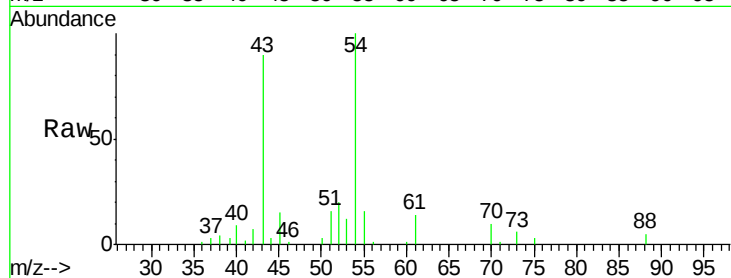
ClientSampleID :

VW0930SBS01

Tot Ion:	43	Resp:	42965
Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.9	16.3
70	10.7	8.2	12.2

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#38

Carbon Tetrachloride

Concen: 20.234 ug/l

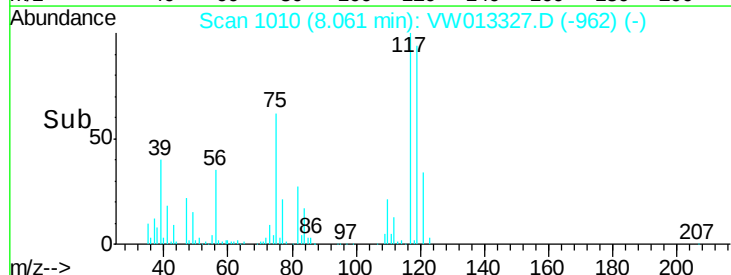
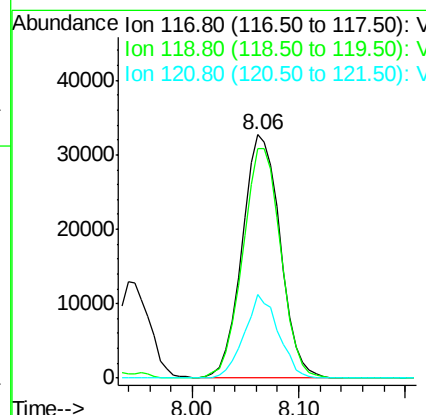
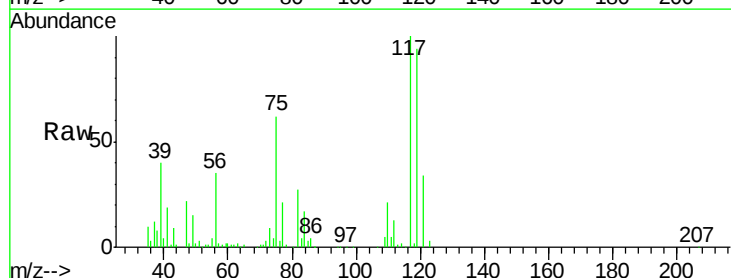
RT: 8.06 min Scan# 1010

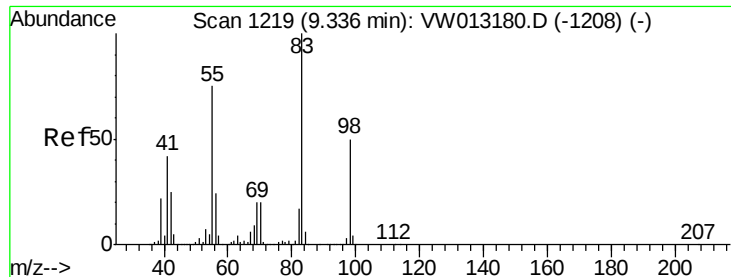
Delta R.T. -0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	117	Resp:	82190
Ion	Ratio	Lower	Upper
117	100		
119	94.2	73.5	110.3
121	34.3	25.0	37.6





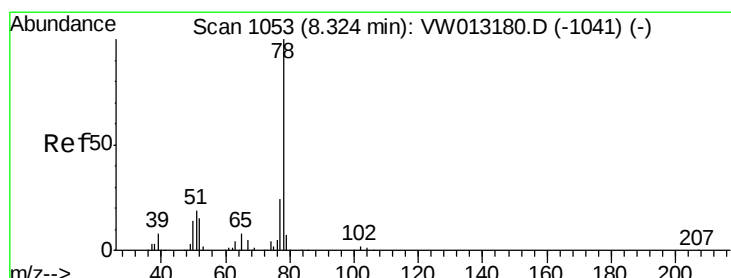
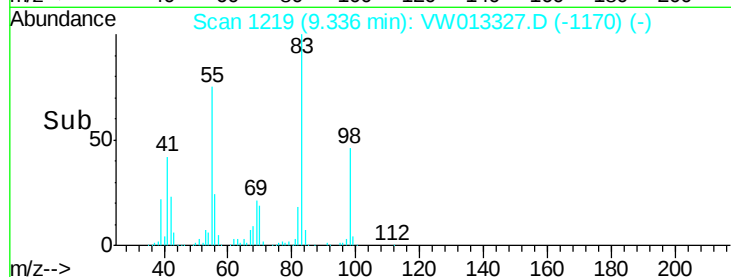
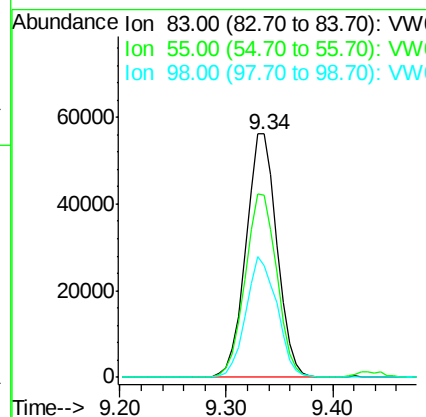
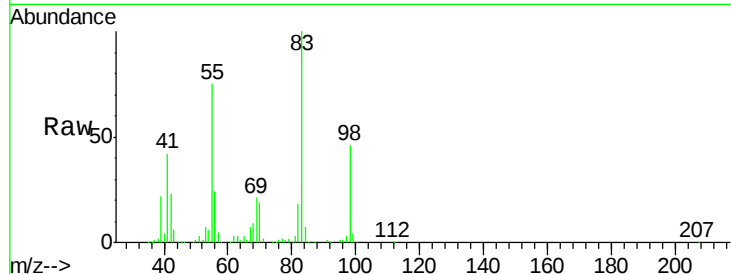
#39
Methvlcvclohexane
Concen: 19.840 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	115535		
55	74.9		60.4	90.6
98	45.9		40.0	60.0

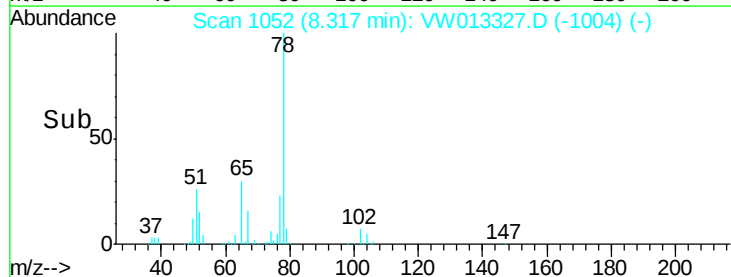
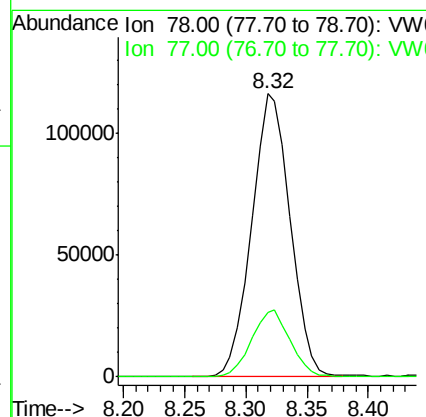
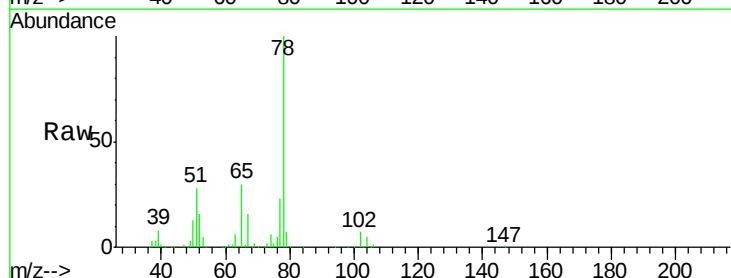
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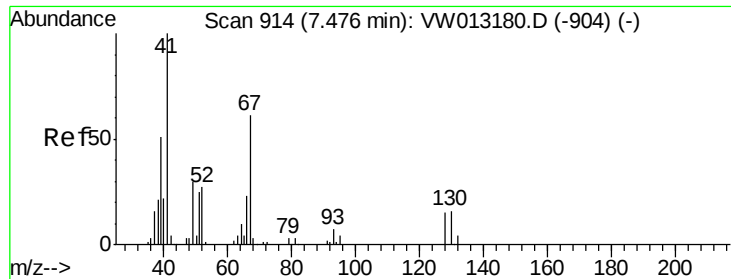
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#40
Benzene
Concen: 20.185 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	255123		
77	22.8		19.1	28.7





#41

Methacrylonitrile

Concen: 21.133 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

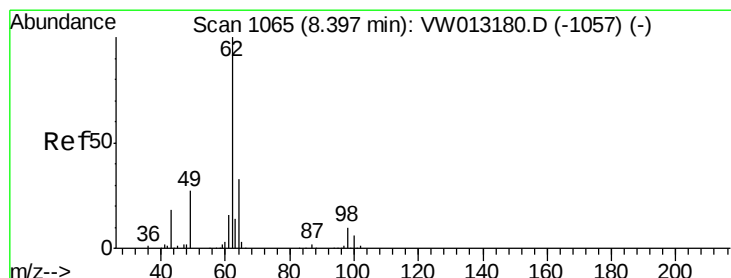
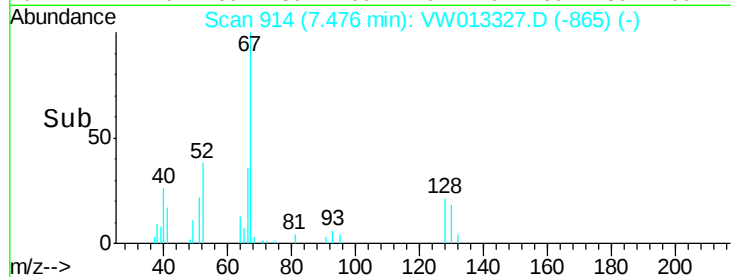
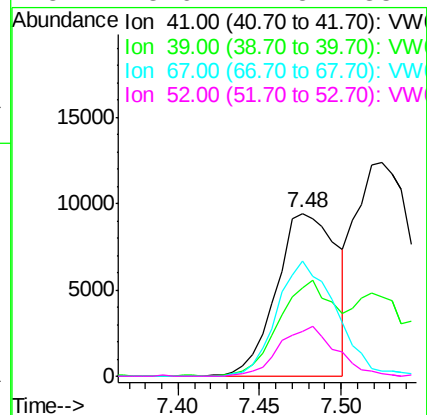
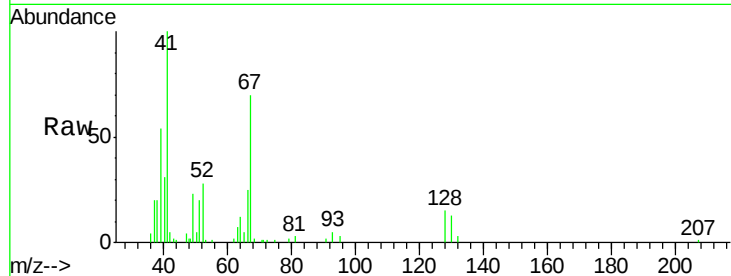
ClientSampleId :

VW0930SBS01

Tot Ion:	41	Resp:	24290
Ion	Ratio	Lower	Upper
41	100		
39	54.3	45.9	68.9
67	69.3	54.5	81.7
52	28.6	22.5	33.7

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10/1/2019 11:33:21 AM



#42

1,2-Dichloroethane

Concen: 19.787 ug/l

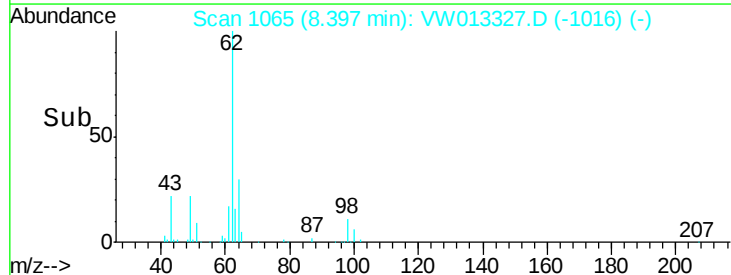
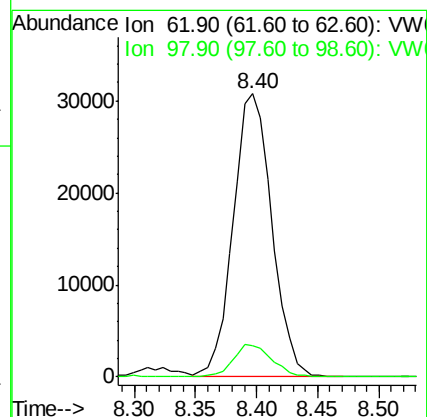
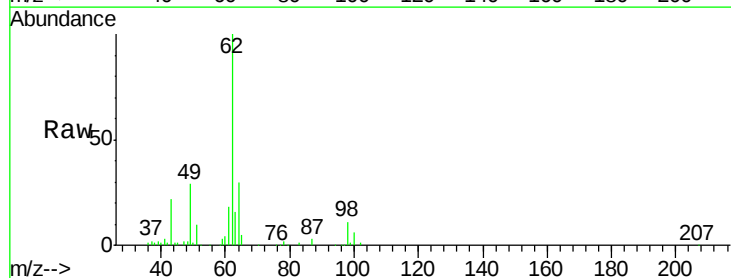
RT: 8.40 min Scan# 1065

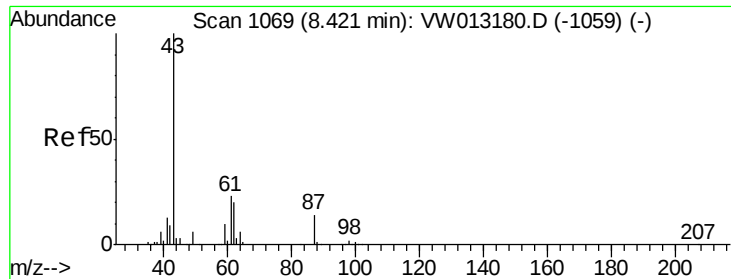
Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	62	Resp:	67229
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	20.6





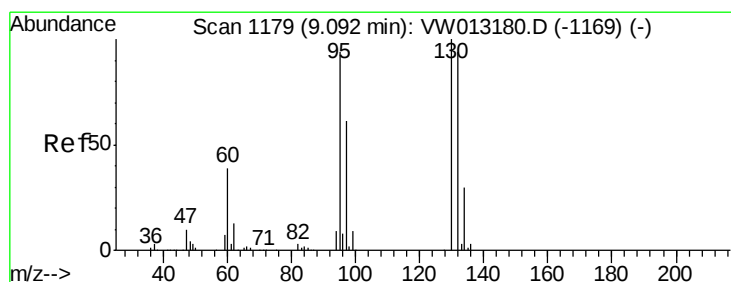
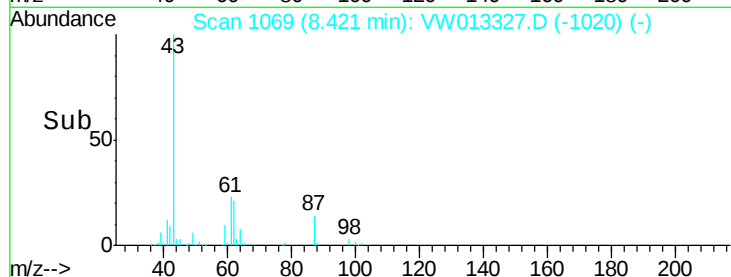
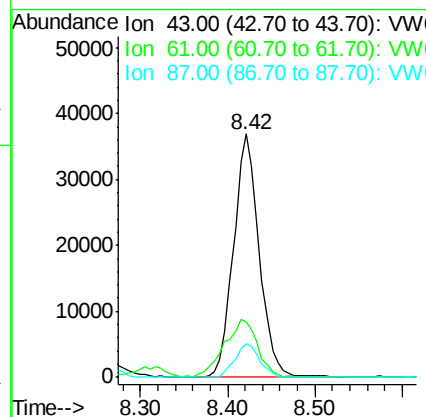
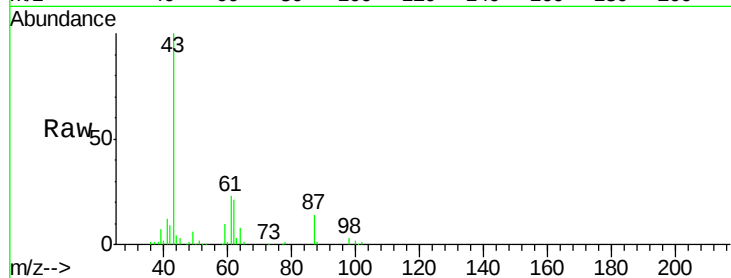
#43
Isopropyl Acetate
Concen: 20.432 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	25.5	38.3
87	13.5	11.0	16.4

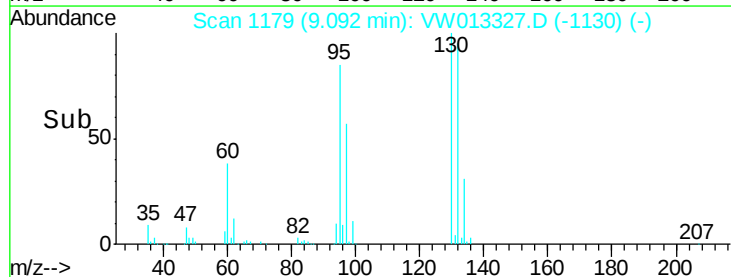
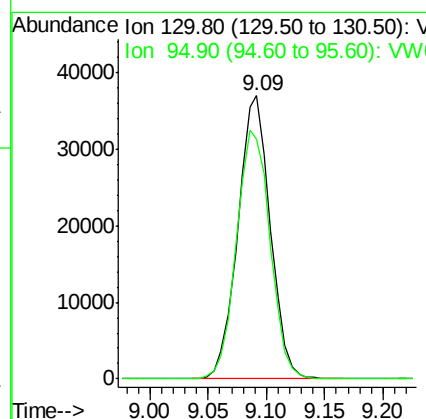
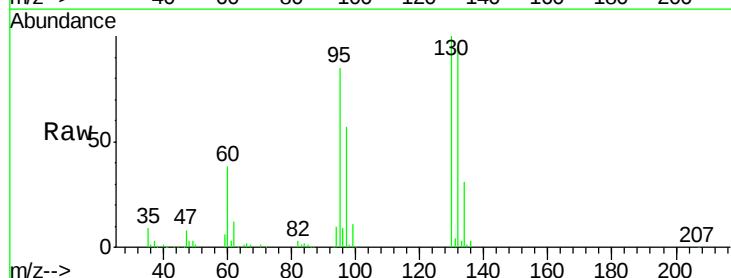
Manual Integrations
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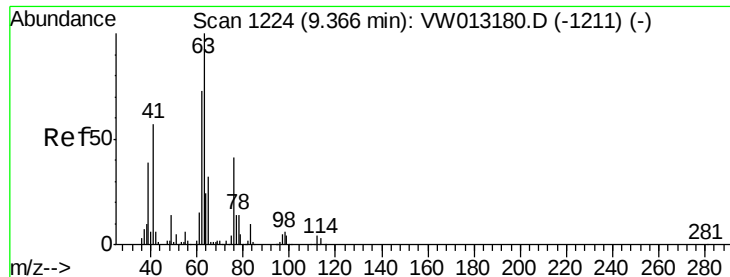
MMDadoda
10/1/2019 11:33:21 AM



#44
Trichloroethene
Concen: 20.184 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.745 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 63 Resp: 60928

Ion Ratio Lower Upper

63 100

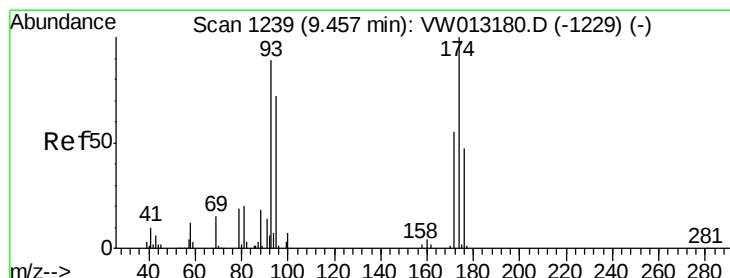
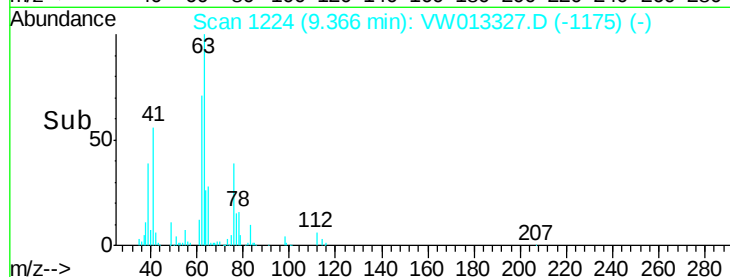
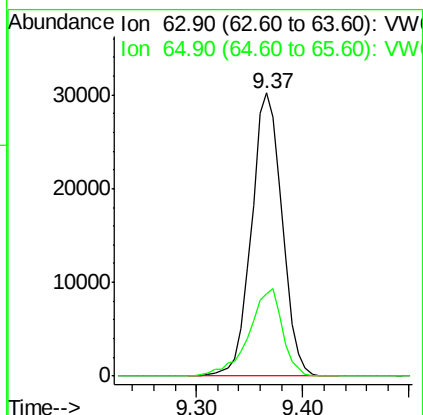
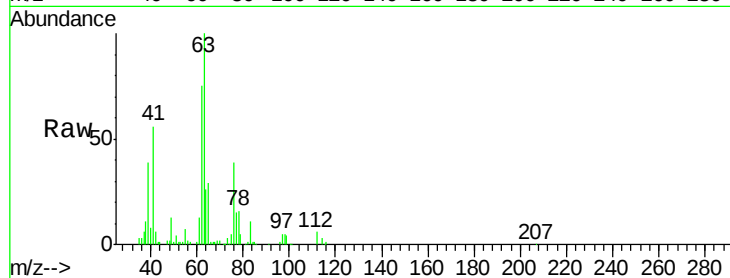
65 29.0 25.3 37.9

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#46

Dibromomethane

Concen: 20.476 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

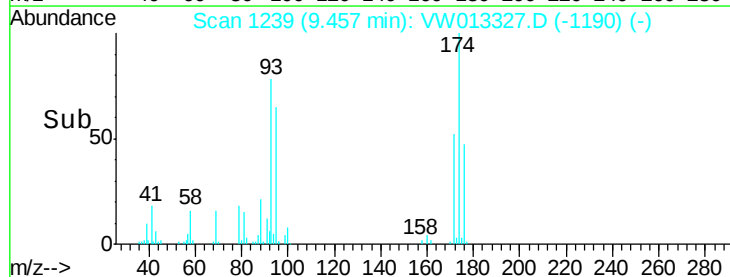
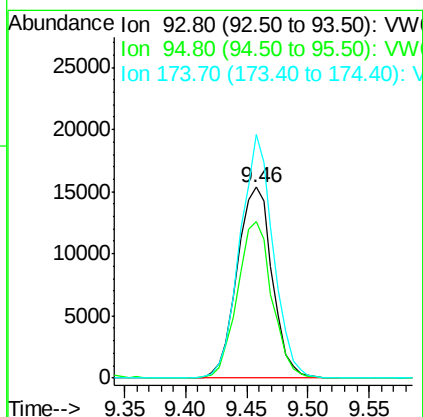
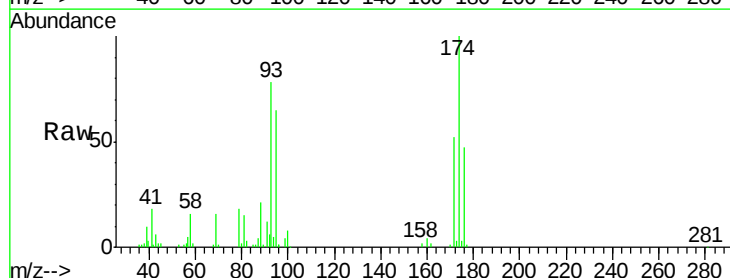
Tgt Ion: 93 Resp: 30676

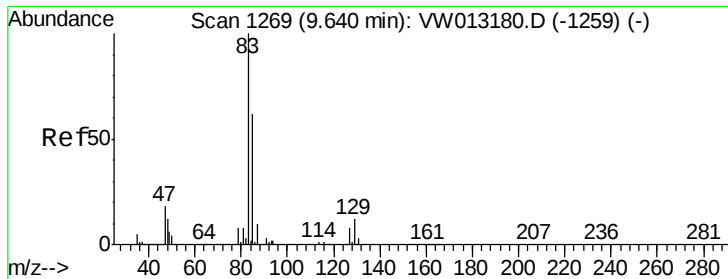
Ion Ratio Lower Upper

93 100

95 80.4 66.4 99.6

174 120.4 93.0 139.6





#47

Bromodichloromethane

Concen: 19.733 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

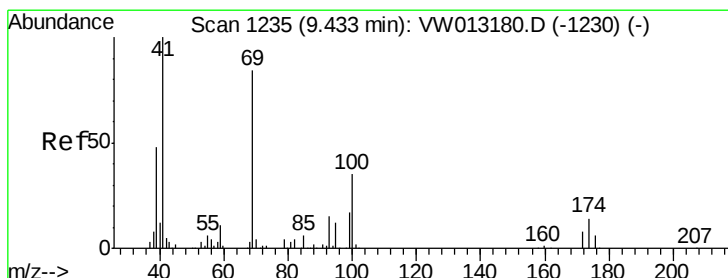
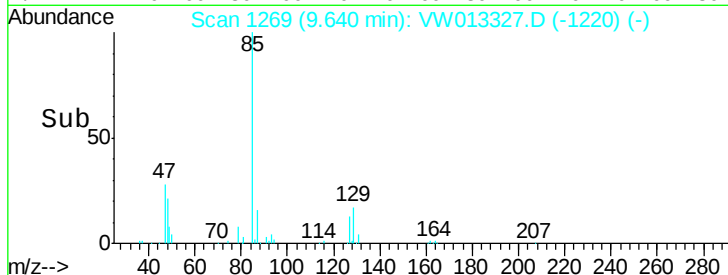
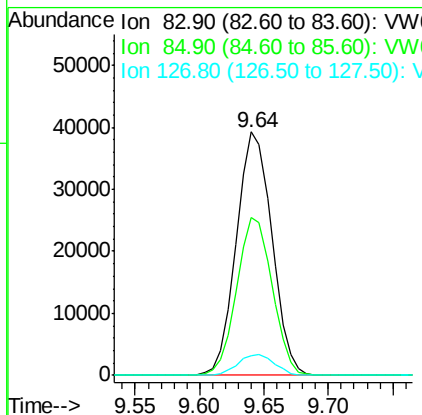
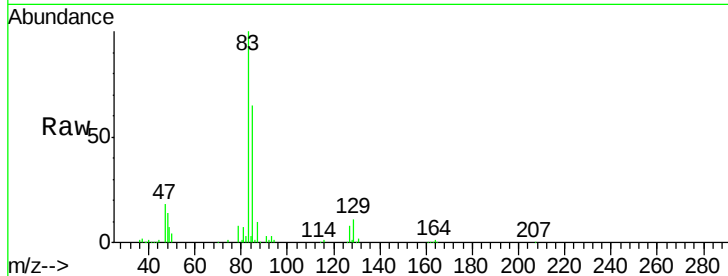
ClientSampleId :

VW0930SBS01

Tot Ion:	83	Resp:	75224
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.4	74.2
127	8.2	6.5	9.7

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#48

Methyl methacrylate

Concen: 21.464 ug/l

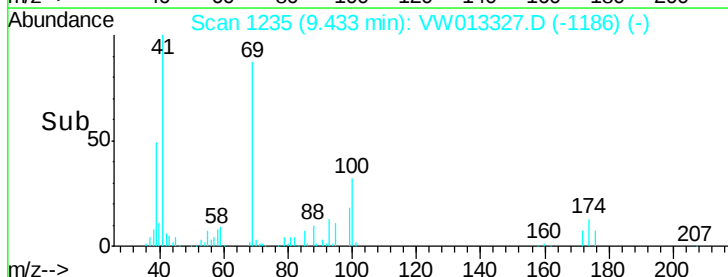
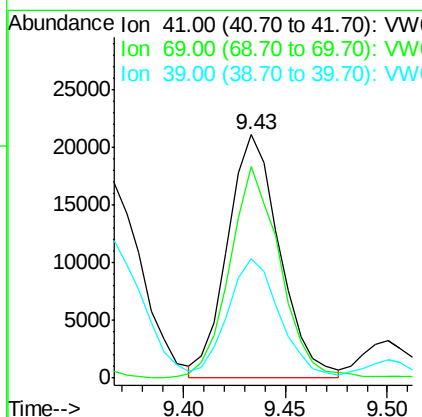
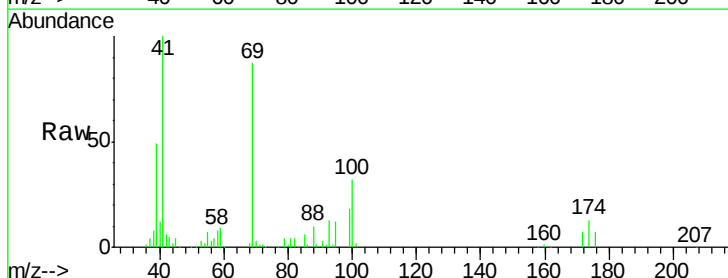
RT: 9.43 min Scan# 1235

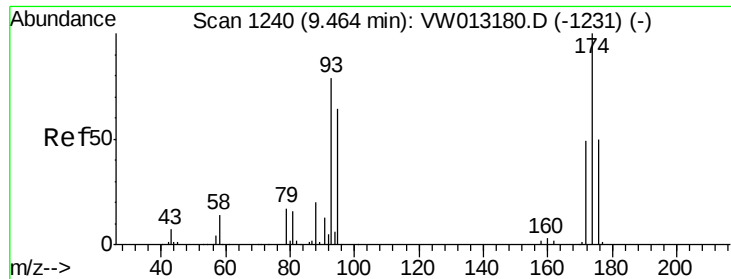
Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	41	Resp:	37253
Ion	Ratio	Lower	Upper
41	100		
69	85.1	69.7	104.5
39	46.2	41.1	61.7





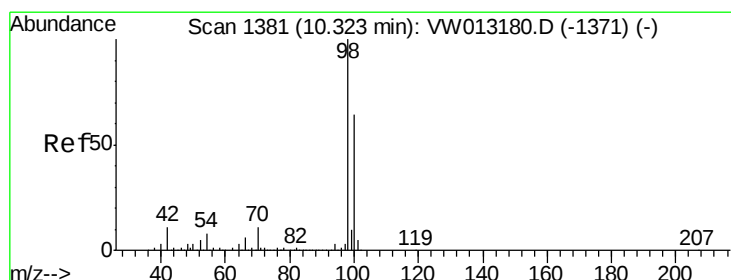
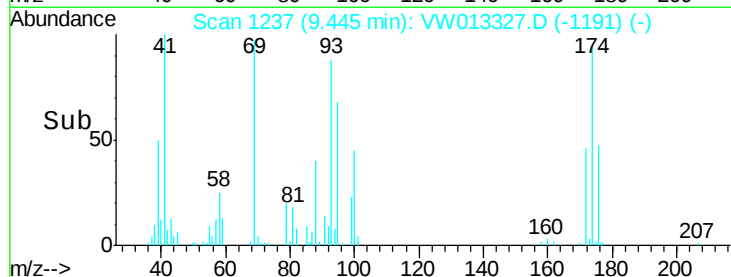
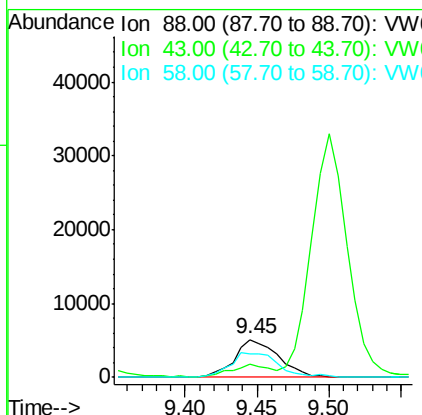
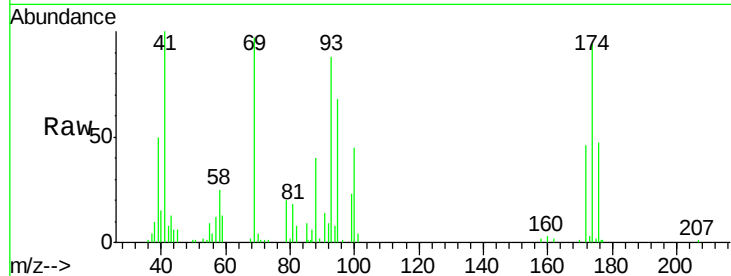
#49
1,4-Dioxane
Concen: 474.877 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	88	Resp	10679
Ion	Ratio	Lower	Upper
88	100		
43	28.1	0.0	0.0#
58	74.5	65.4	98.0

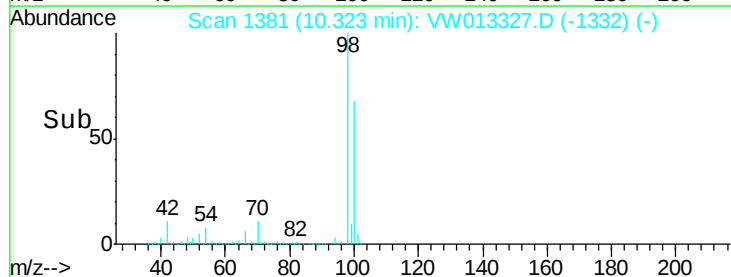
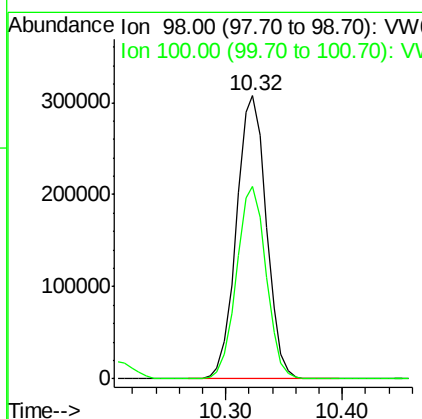
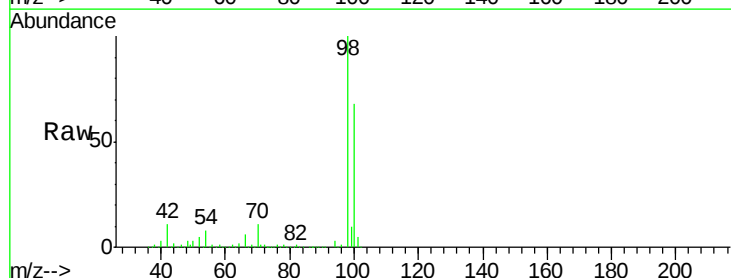
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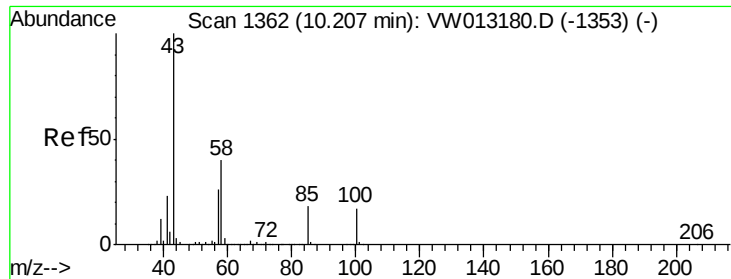
MMDadoda
10/1/2019 11:33:21 AM



#50
Toluene-d8
Concen: 51.015 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	98	Resp	549364
Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.9	79.3





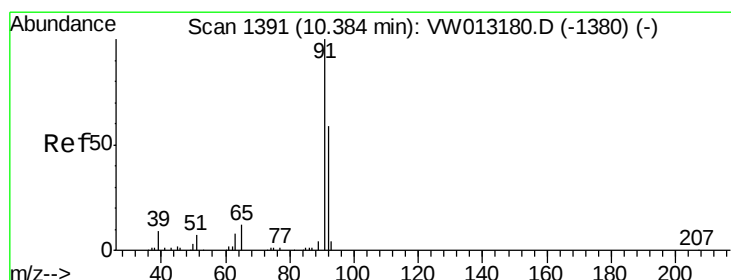
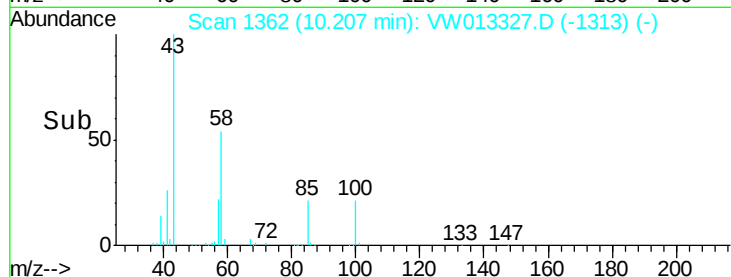
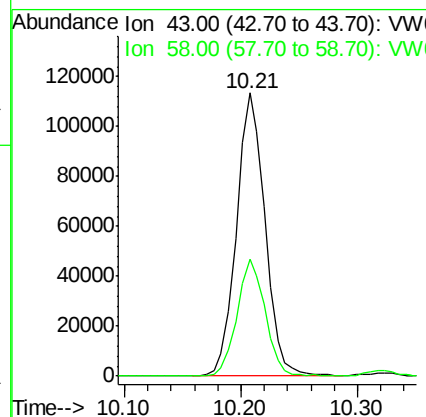
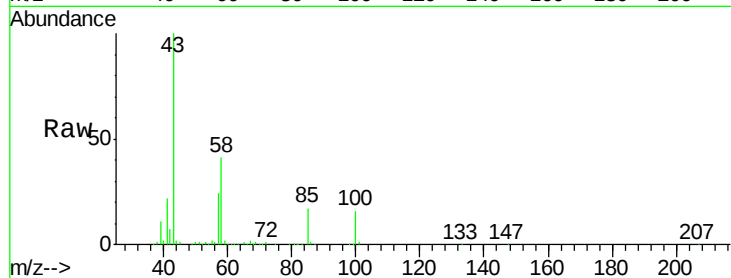
#51
4-Methyl-2-Pentanone
Concen: 104.724 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	43	Resp	193779
Ion Ratio	43	100	
Lower	58	40.9	31.7
Upper			47.5

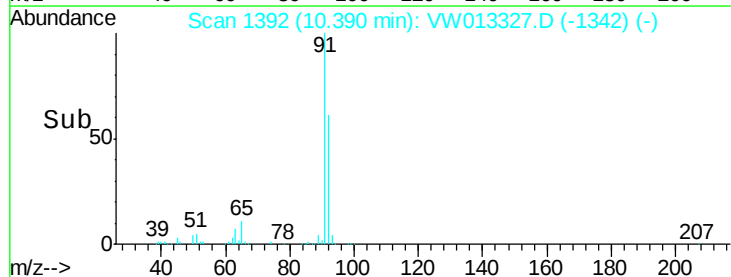
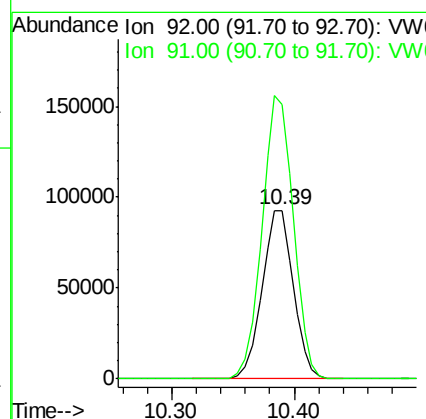
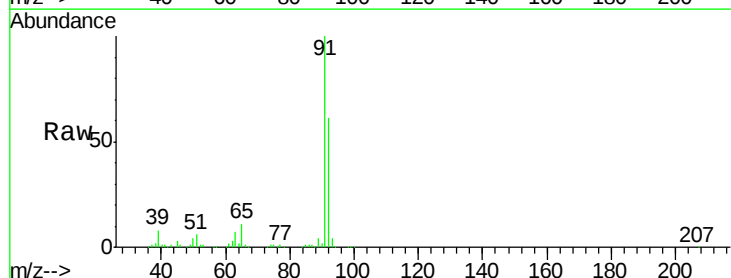
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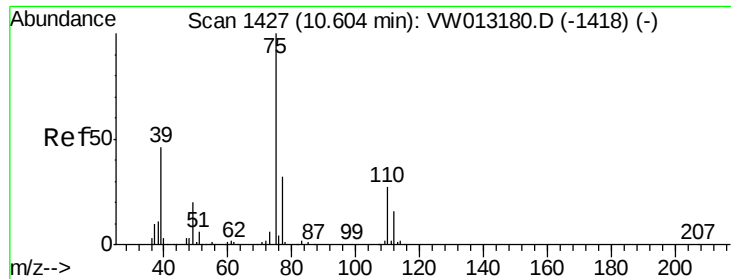
MMDadoda
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#52
Toluene
Concen: 20.422 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	92	Resp	165429
Ion Ratio	92	100	
Lower	91	167.8	135.7
Upper			203.5





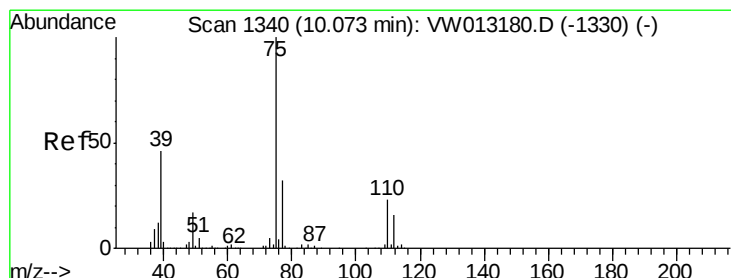
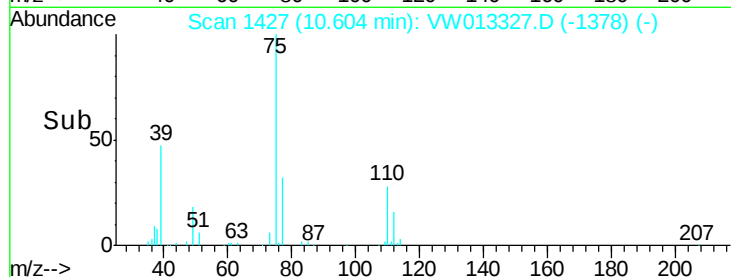
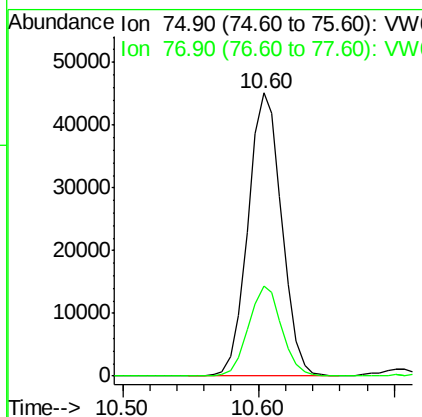
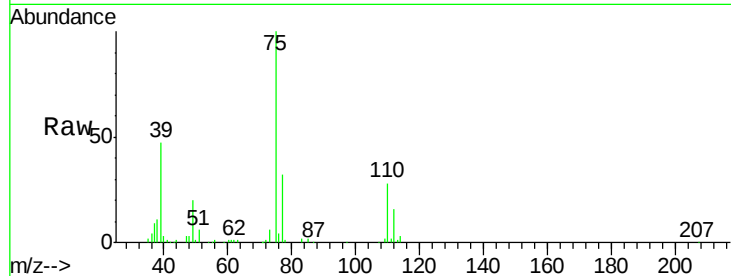
#53
 t-1,3-Dichloropropene
 Concen: 20.001 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion	75	Resp	78334
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.5	38.3

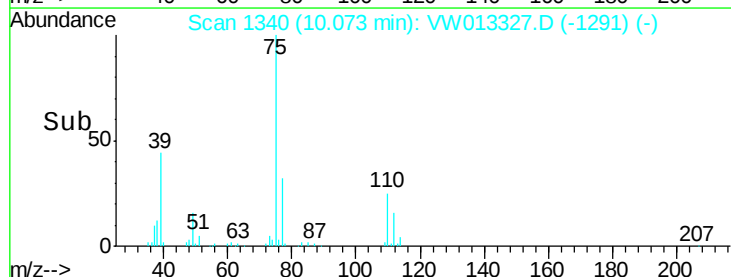
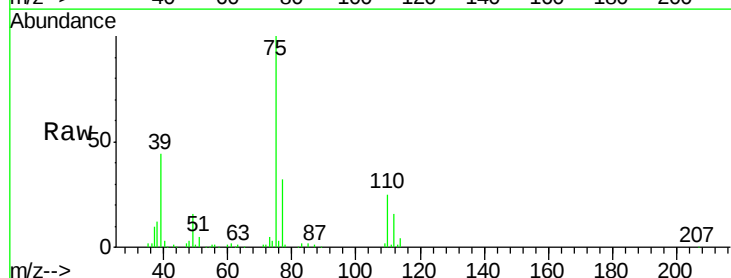
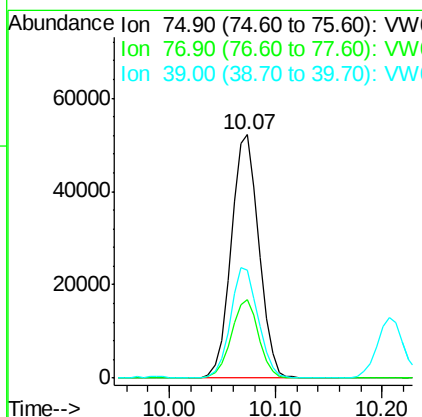
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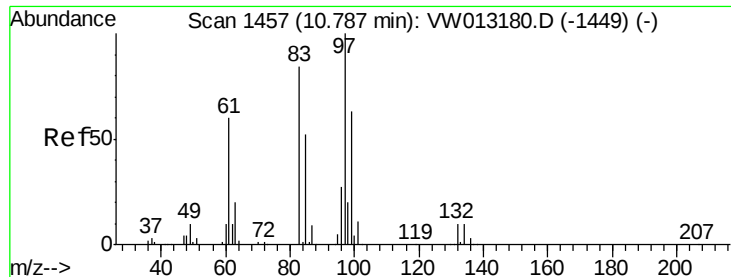
MMDadoda
 10/1/2019 11:33:21 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.027 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion	75	Resp	95366
Ion Ratio	Lower	Upper	
75	100		
77	32.3	25.2	37.8
39	44.2	36.6	55.0





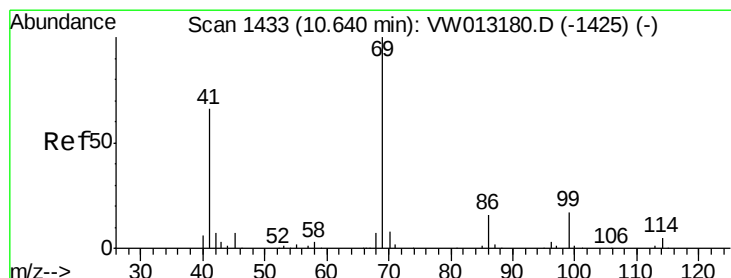
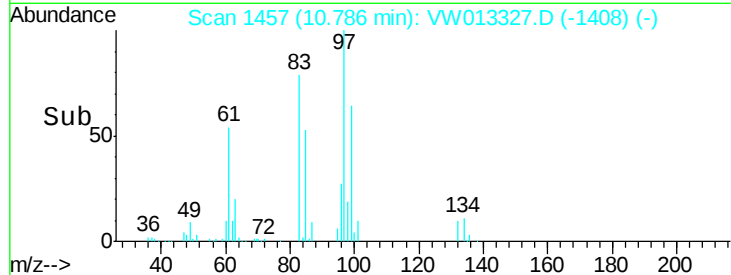
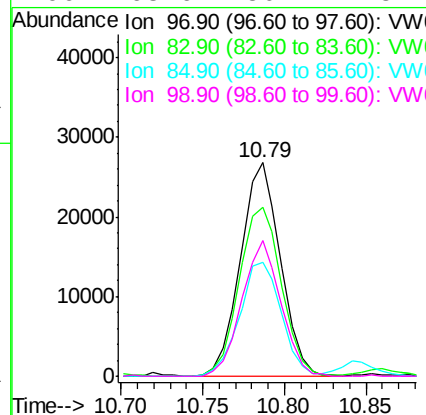
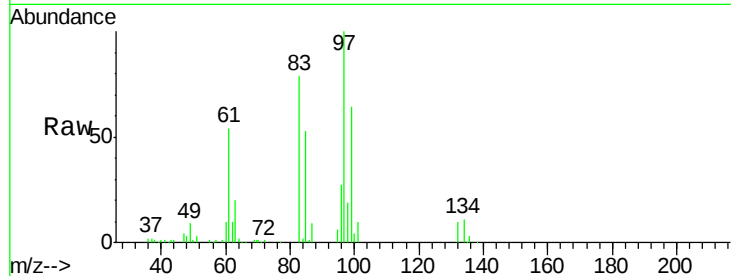
#55
 1,1,2-Trichloroethane
 Concen: 20.437 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion:	97	Resp:	45763
Ion	Ratio	Lower	Upper
97	100		
83	79.3	67.6	101.4
85	53.1	41.9	62.9
99	63.6	50.1	75.1

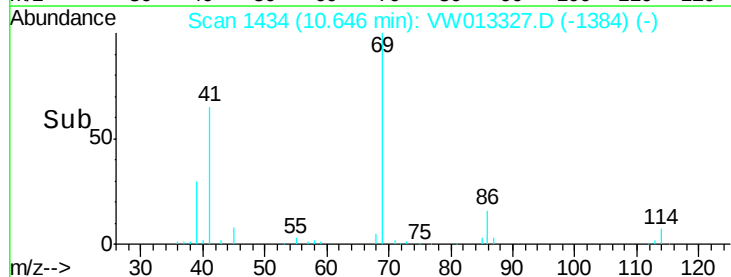
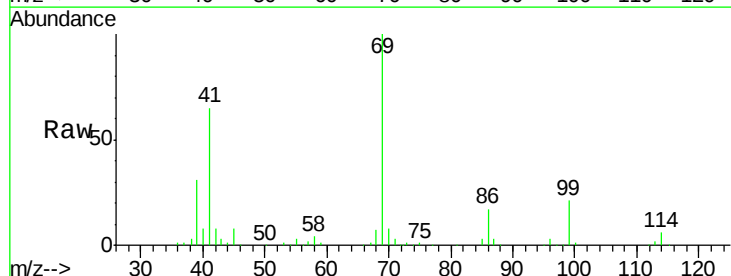
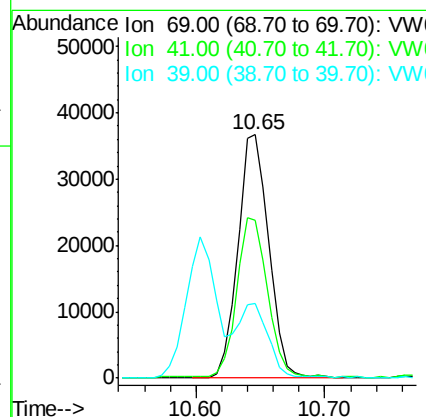
Manual Integrations
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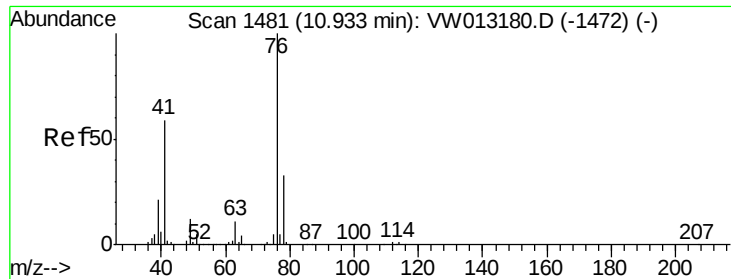
MMDadoda
 10/1/2019 11:33:21 AM



#56
 Ethyl methacrylate
 Concen: 20.905 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion:	69	Resp:	61263
Ion	Ratio	Lower	Upper
69	100		
41	64.9	53.9	80.9
39	27.4	23.8	35.6





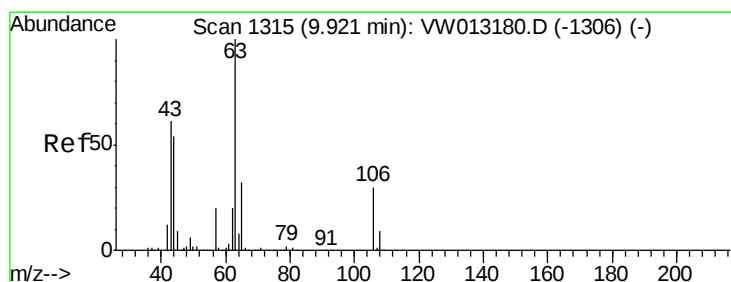
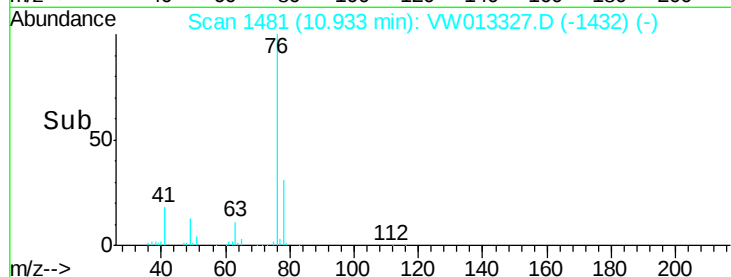
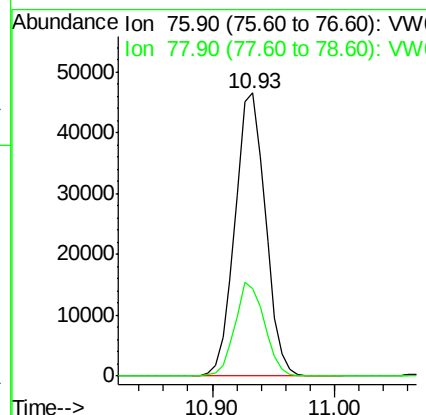
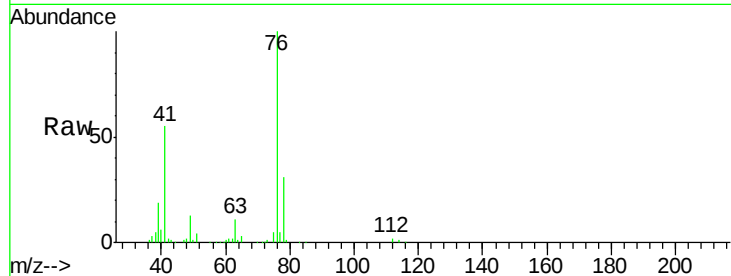
#57
 1,3-Dichloropropane
 Concen: 20.488 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion: 76 Resp: 80057
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

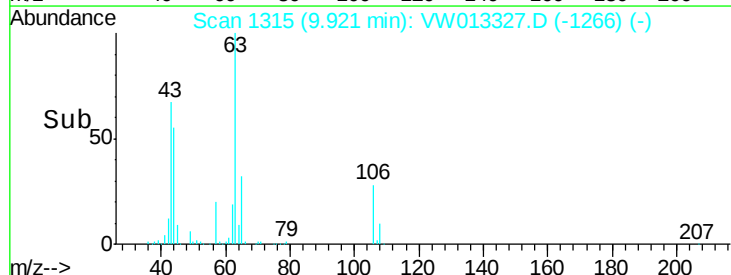
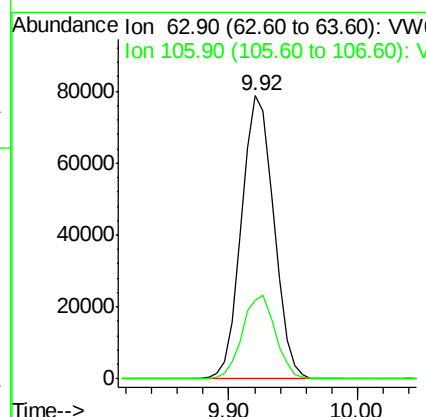
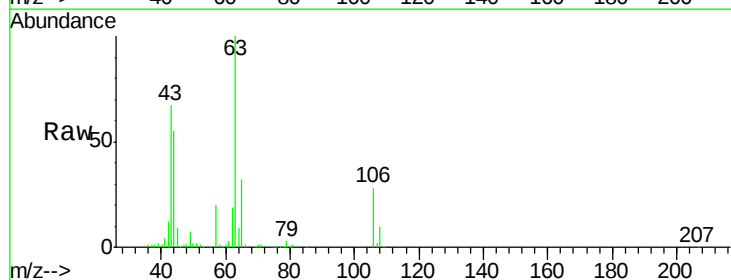
Manual Integrations
 APPROVED

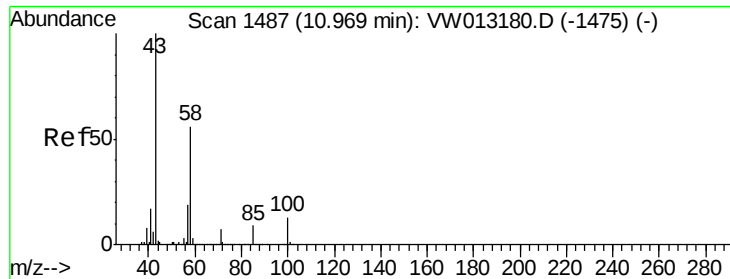
MMDadoda
 10/1/2019 11:33:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.107 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion: 63 Resp: 137170
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0





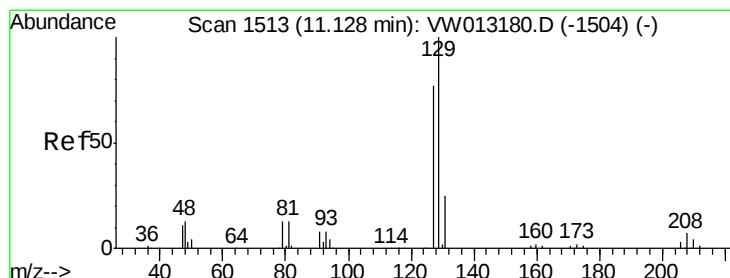
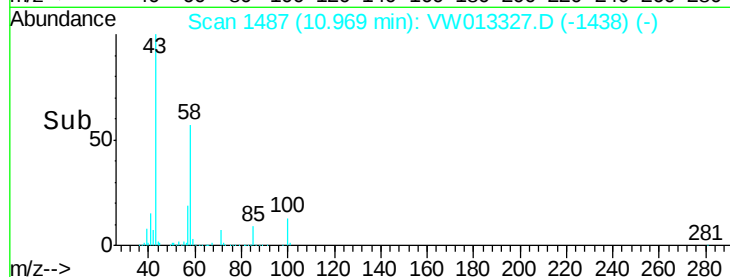
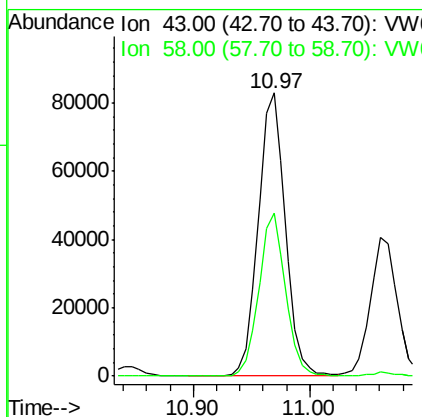
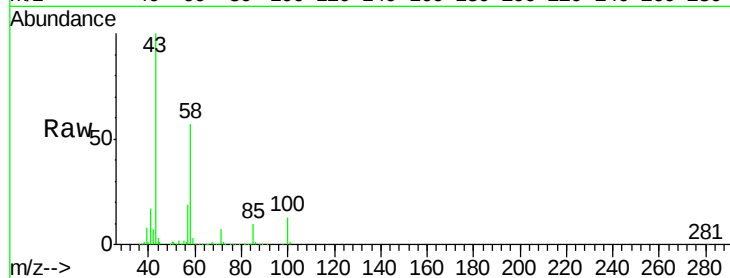
#59
2-Hexanone
Concen: 105.940 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	43	Resp	134867
Ion Ratio	Lower	Upper	
43	100		
58	56.4	28.1	84.2

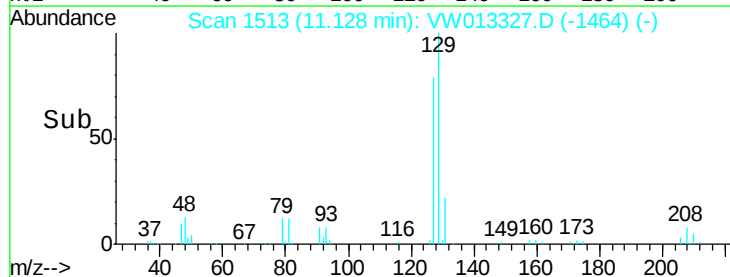
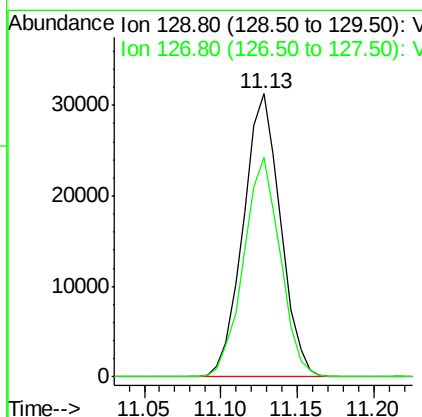
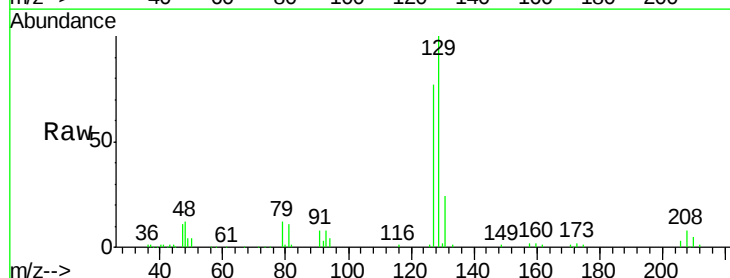
Manual Integrations
APPROVED

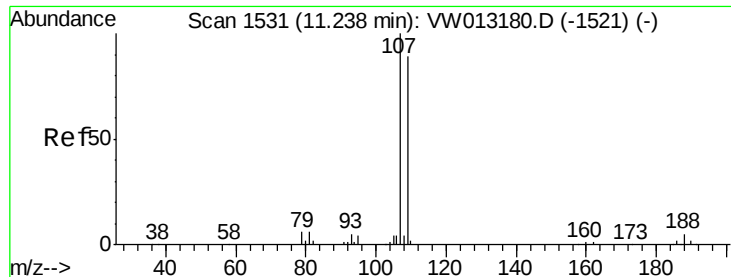
MMDadoda
10/1/2019 11:33:21 AM



#60
Dibromochloromethane
Concen: 20.816 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	129	Resp	52926
Ion Ratio	Lower	Upper	
129	100		
127	76.2	38.8	116.4





#61

1,2-Dibromoethane

Concen: 19.981 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 107 Resp: 42541

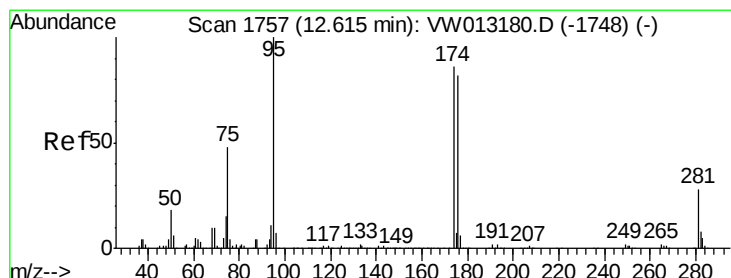
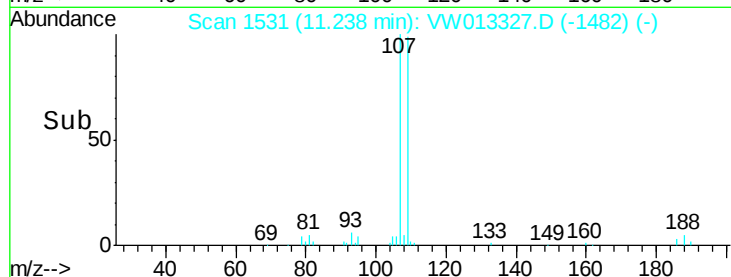
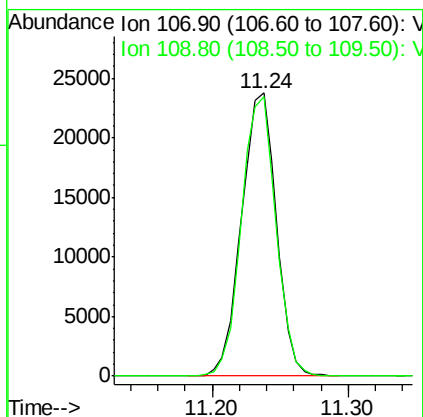
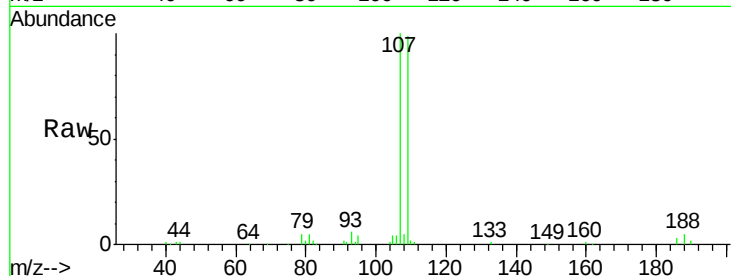
Ion Ratio Lower Upper

107 100

109 98.1 75.2 112.8

Manual Integrations
APPROVED

MMDadoda
10/1/2019 11:33:21 AM



#62

4-Bromofluorobenzene

Concen: 51.224 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

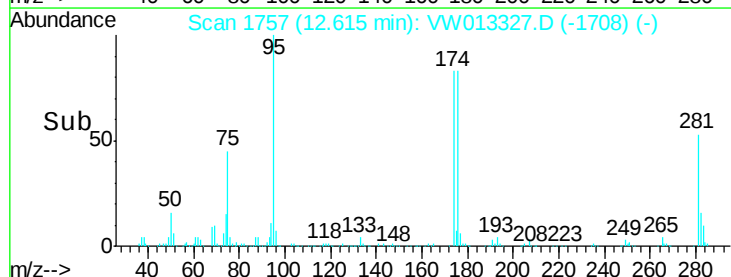
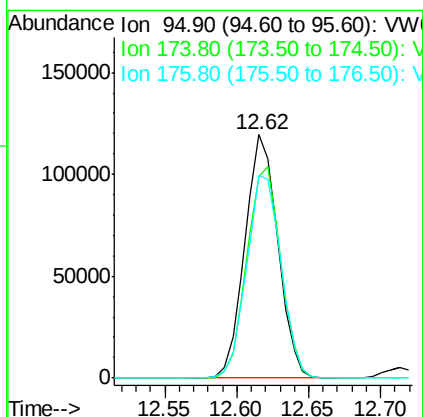
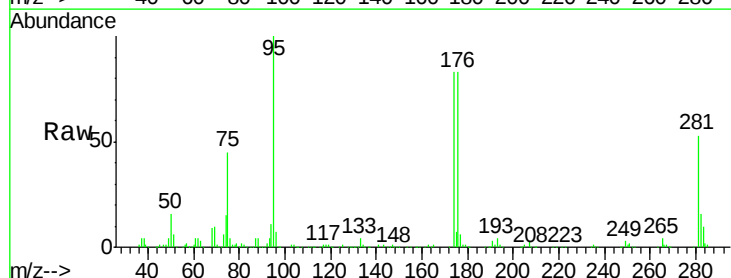
Tgt Ion: 95 Resp: 188427

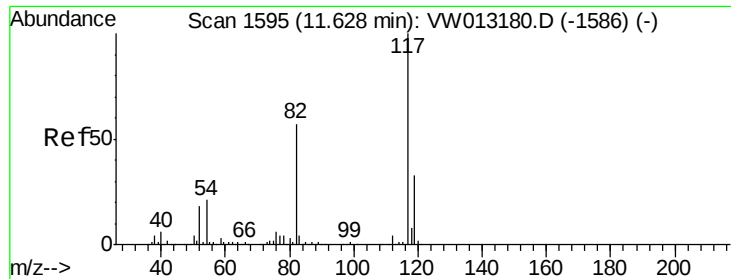
Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.4

176 86.7 0.0 172.2





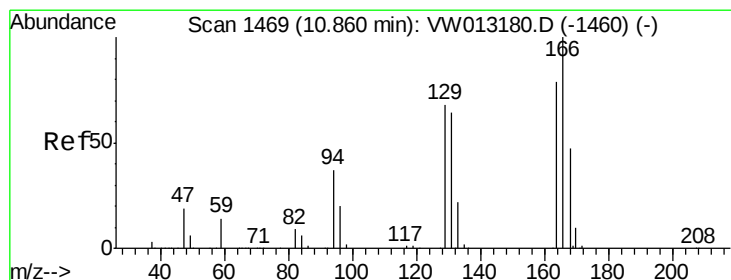
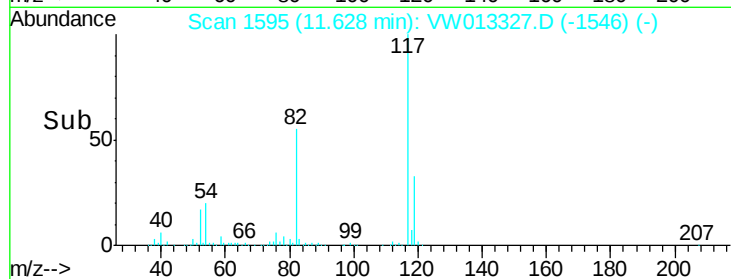
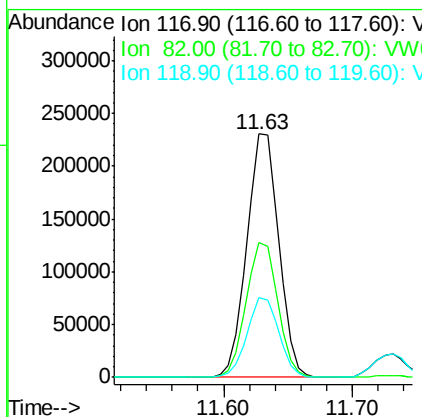
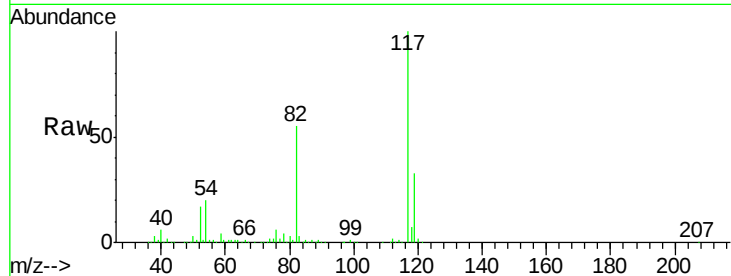
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	393701		
82	55.2	45.9	68.9	
119	32.6	26.2	39.2	

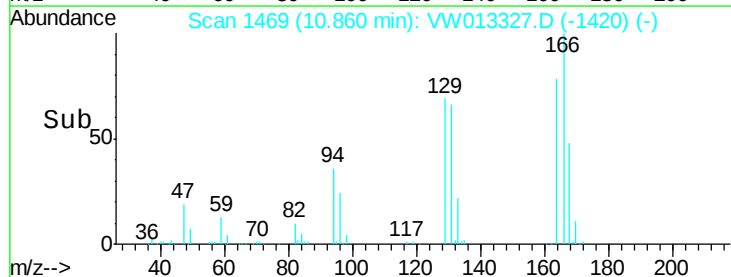
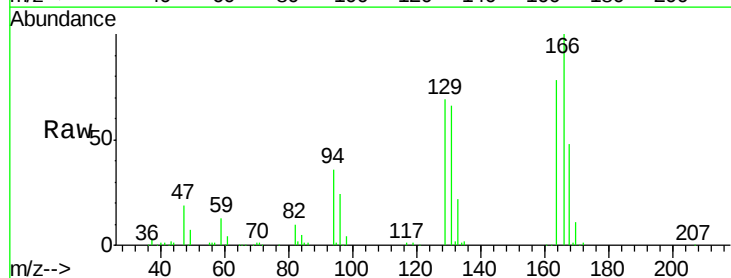
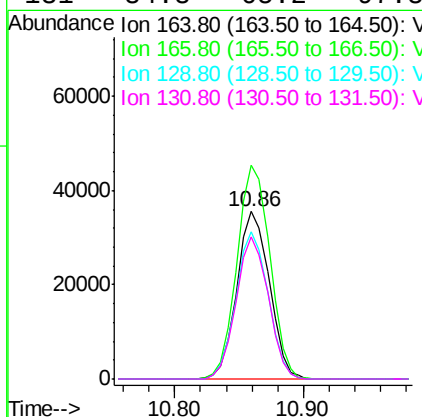
Manual Integrations
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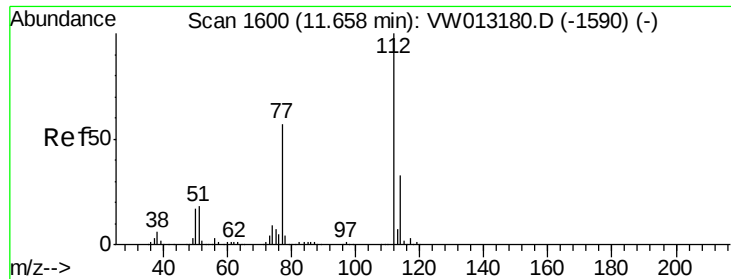
MMDadoda
10/1/2019 11:33:21 AM



#64
Tetrachloroethene
Concen: 20.814 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62173		
166	127.6	101.2	151.8	
129	88.0	68.8	103.2	
131	84.8	65.2	97.8	





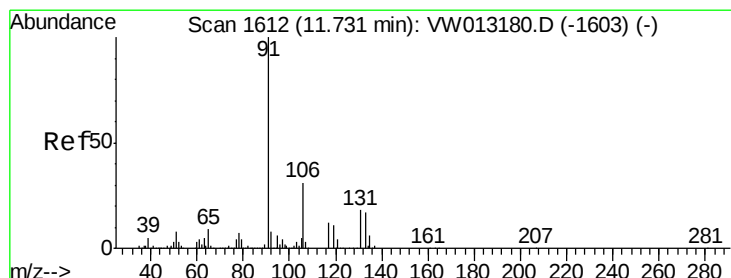
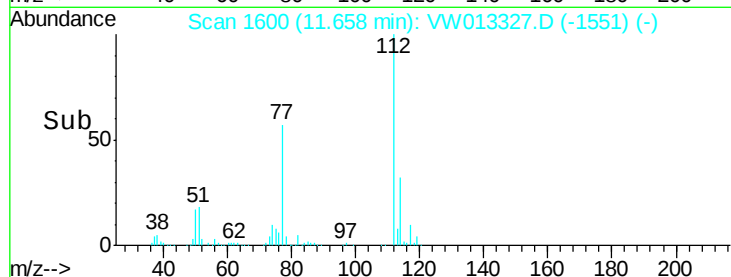
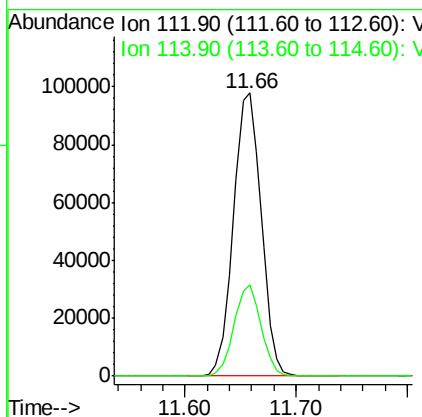
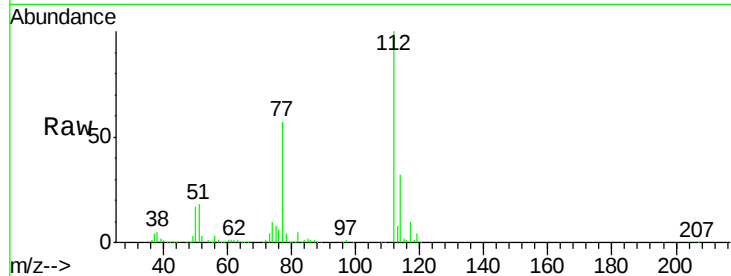
#65
Chlorobenzene
Concen: 20.562 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion:112 Resp: 169047
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7

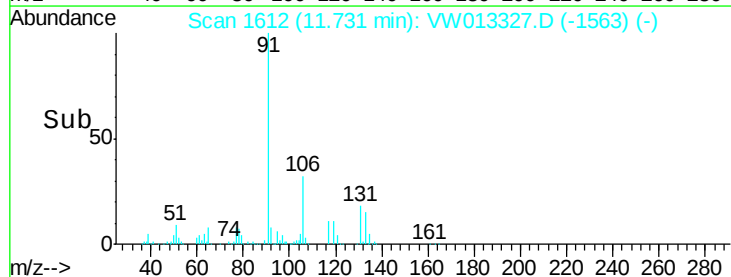
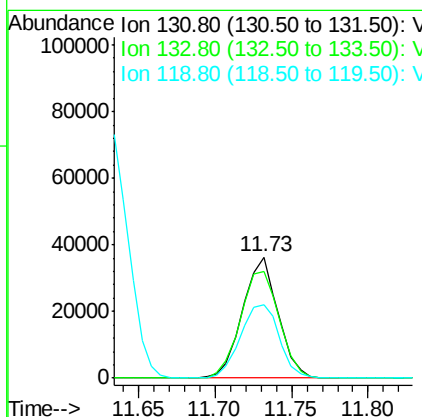
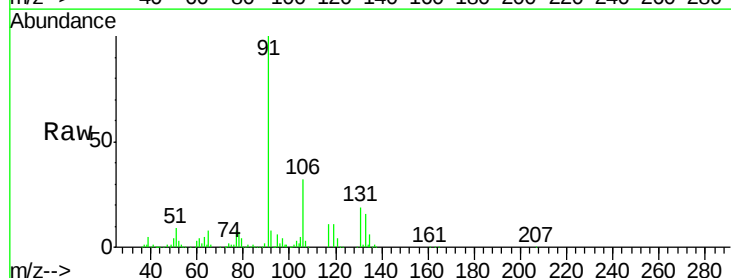
Manual Integrations
APPROVED

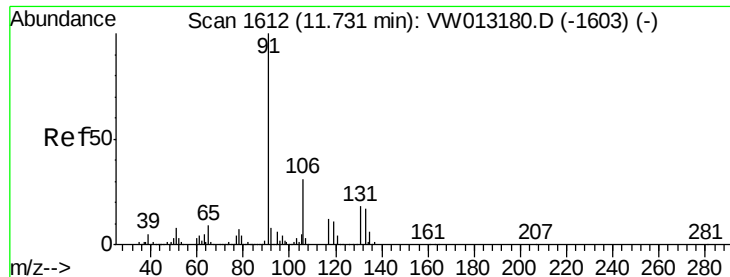
MMDadoda
10/1/2019 11:33:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.778 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion:131 Resp: 58358
Ion Ratio Lower Upper
131 100
133 97.3 47.5 142.6
119 66.3 32.5 97.5





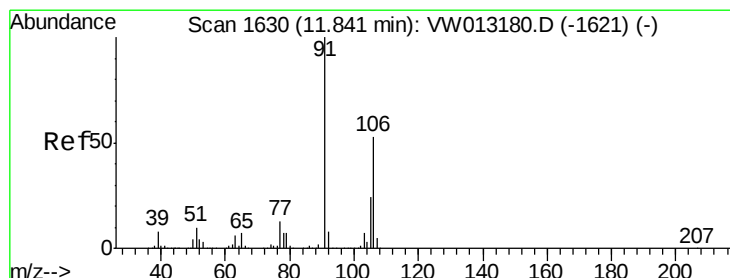
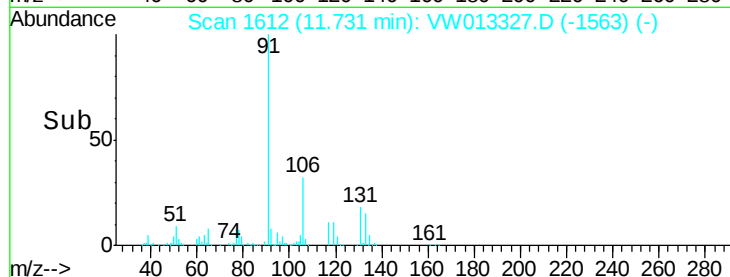
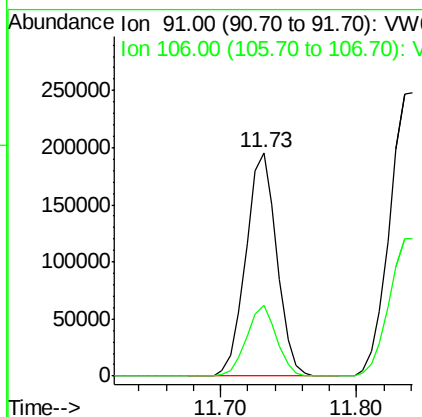
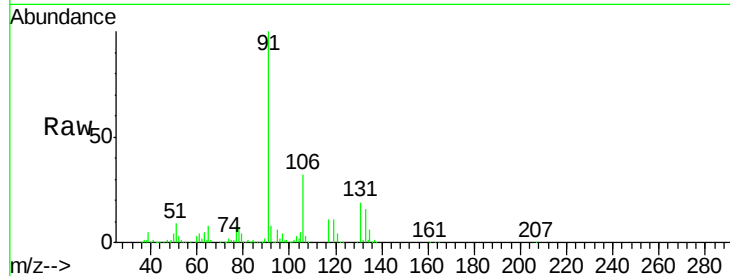
#67
Ethyl Benzene
Concen: 20.921 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.8	24.9	37.3	

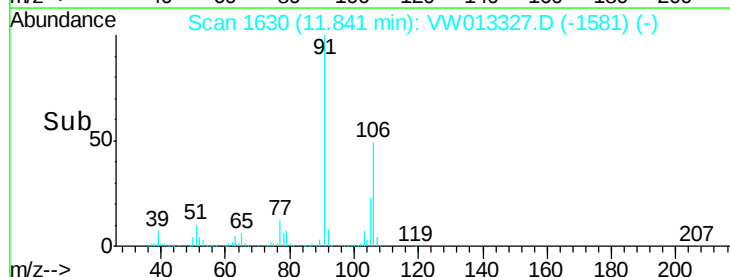
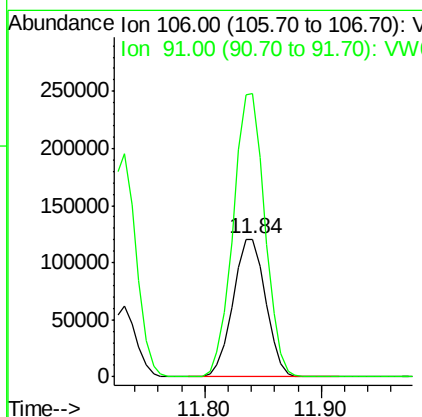
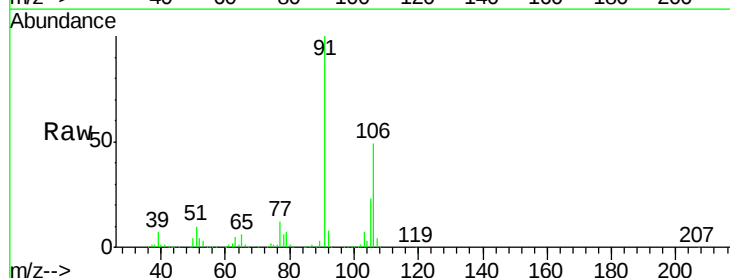
Manual Integrations
APPROVED

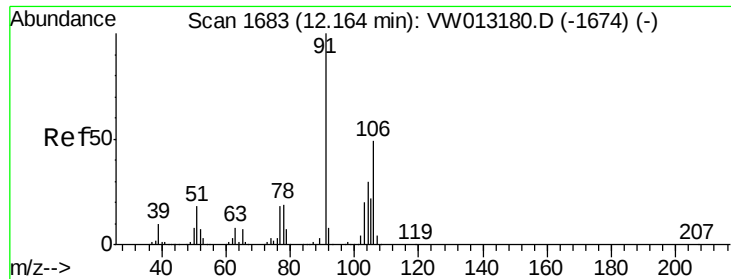
MMDadoda
10/1/2019 11:33:21 AM



#68
m/p-Xylenes
Concen: 41.612 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	199.1	157.9	236.9	





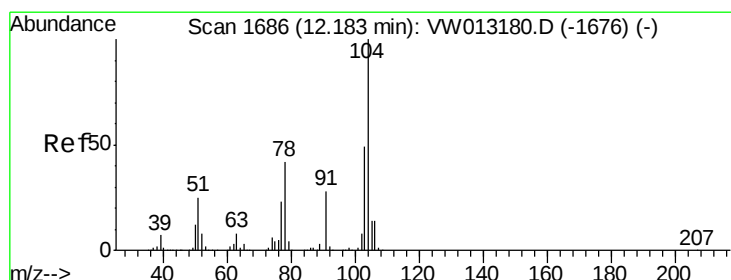
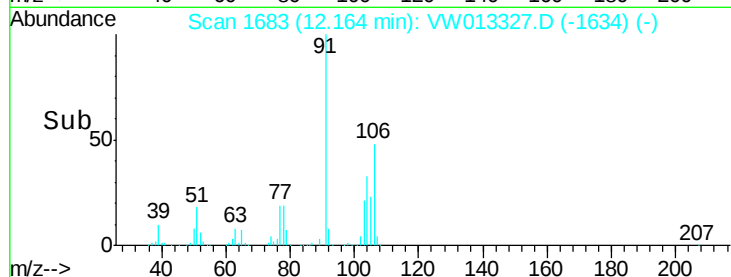
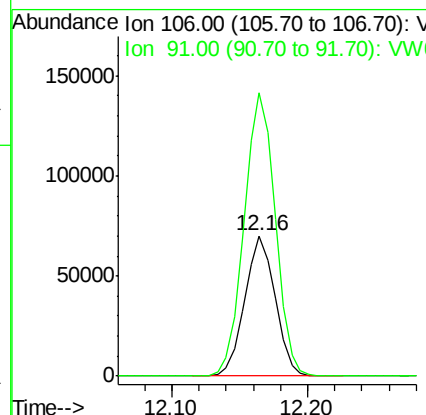
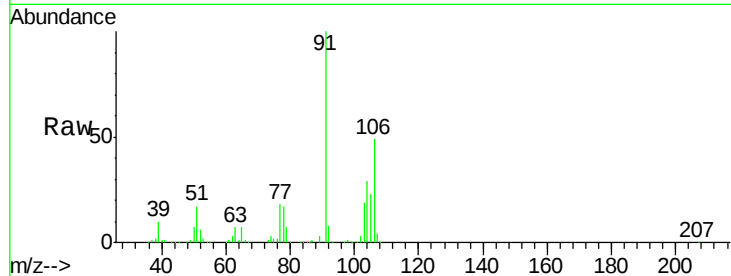
#69
o-Xylene
Concen: 20.722 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	109360		
91	206.5	106.5	319.5	

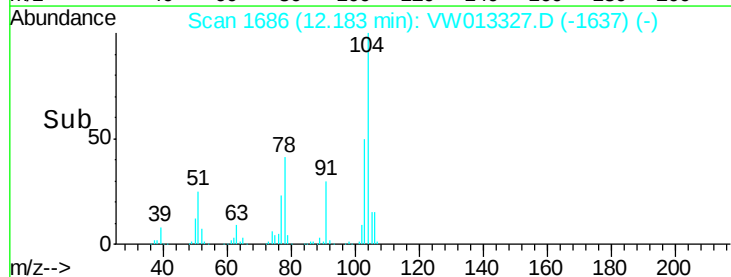
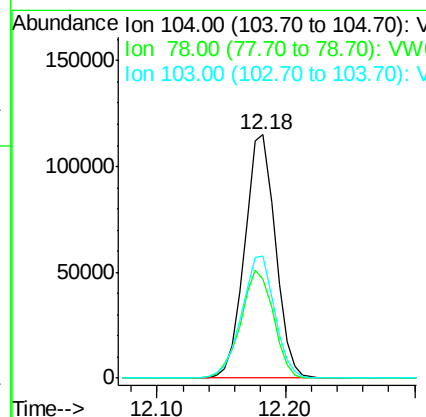
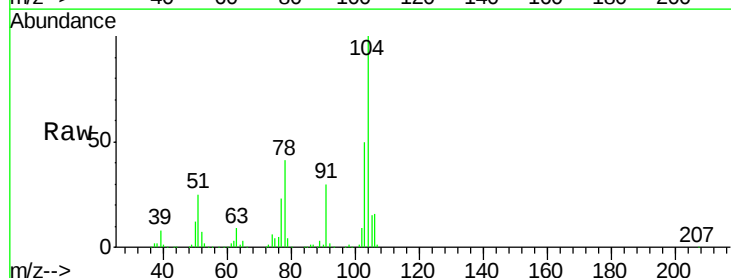
Manual Integrations
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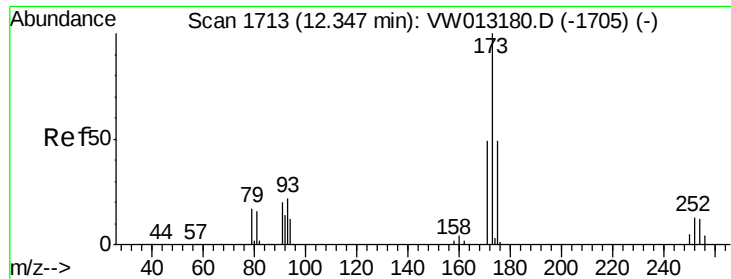
MMDadoda
10/1/2019 11:33:21 AM



#70
Styrene
Concen: 20.873 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	189115		
78	47.4	38.4	57.6	
103	53.9	43.3	64.9	





#71

Bromoform

Concen: 21.400 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion:173 Resp: 31754

Ion Ratio Lower Upper

173 100

175 48.5 24.3 73.0

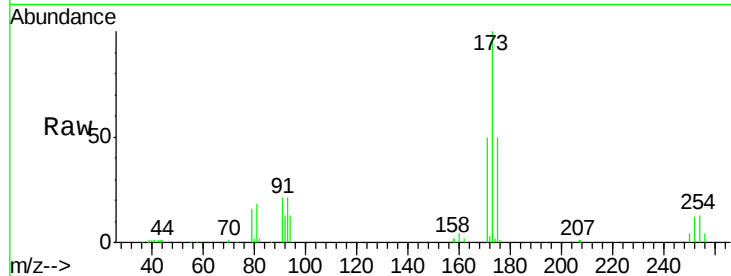
254 0.0 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

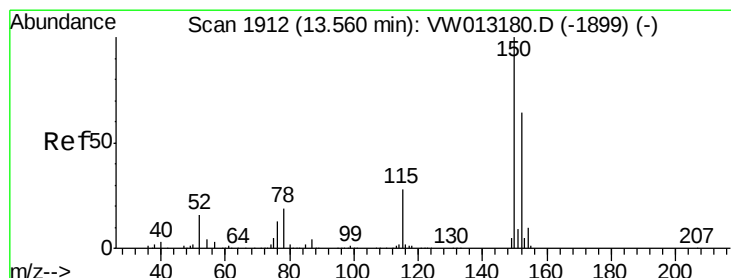
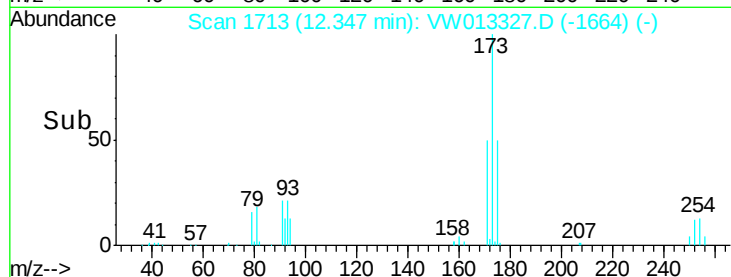
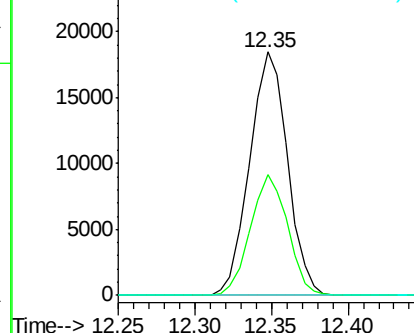
10/1/2019 11:33:21 AM



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

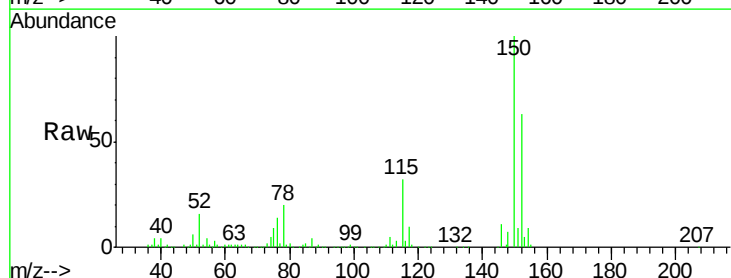
Tgt Ion:152 Resp: 205686

Ion Ratio Lower Upper

152 100

115 53.9 27.3 81.9

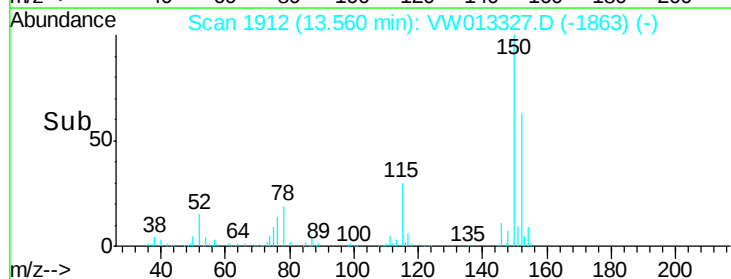
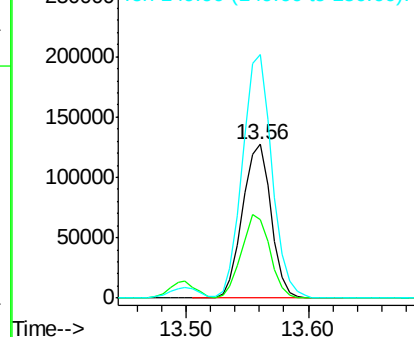
150 163.9 0.0 349.0

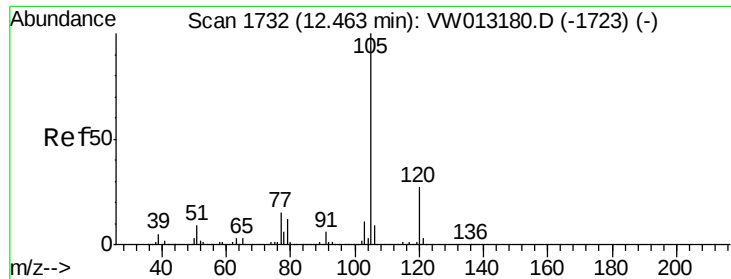


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





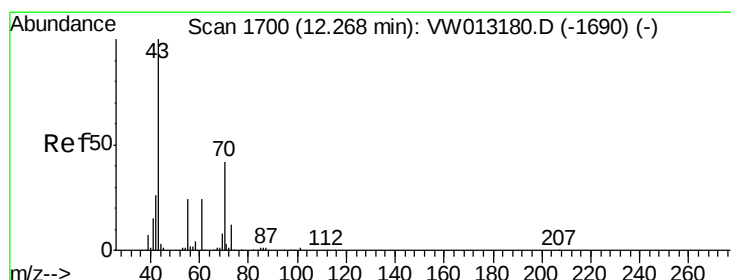
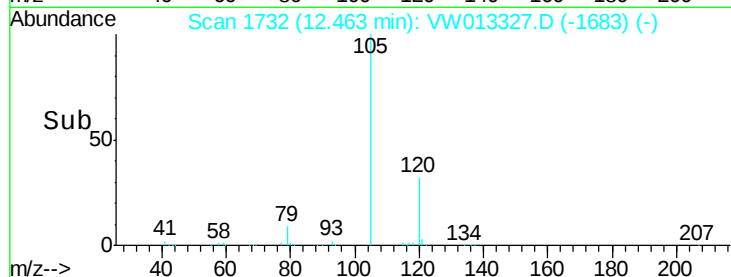
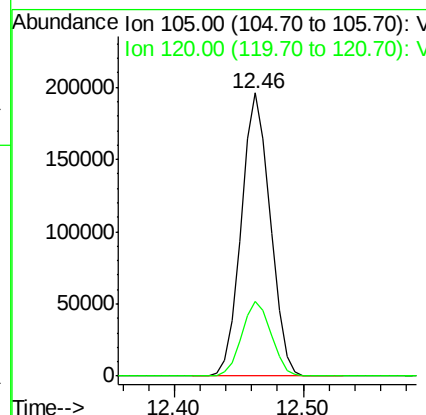
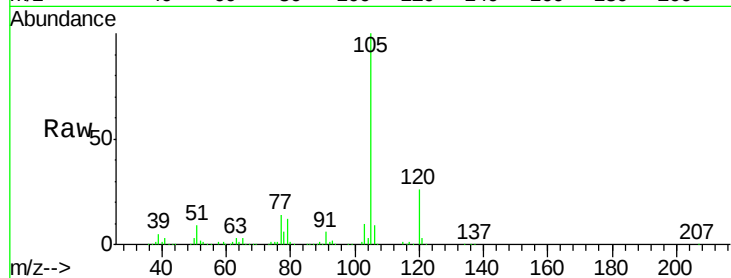
#73
Isopropylbenzene
Concen: 20.010 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	304032		
120	26.7	13.4	40.1	

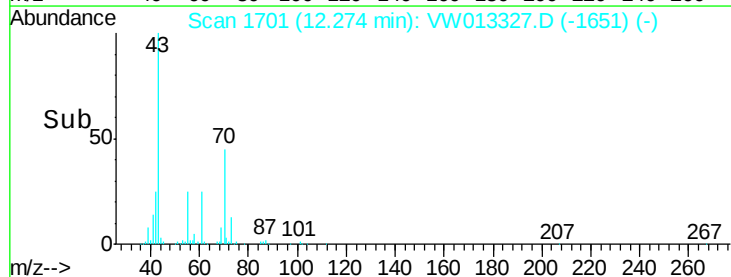
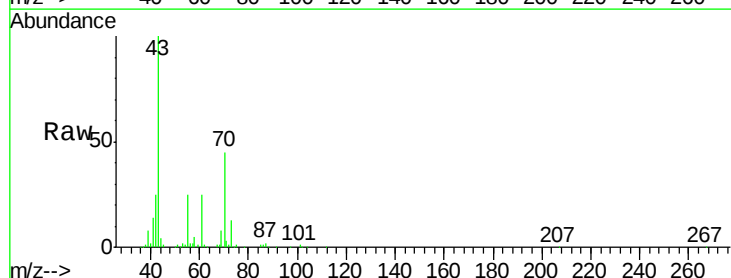
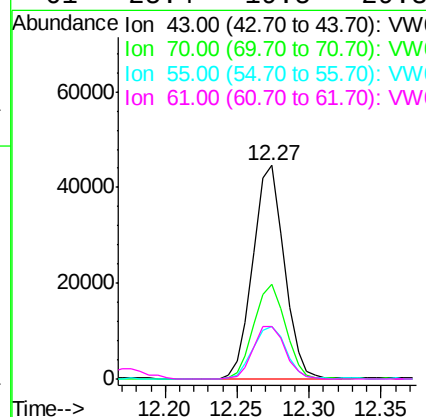
Manual Integrations
APPROVED

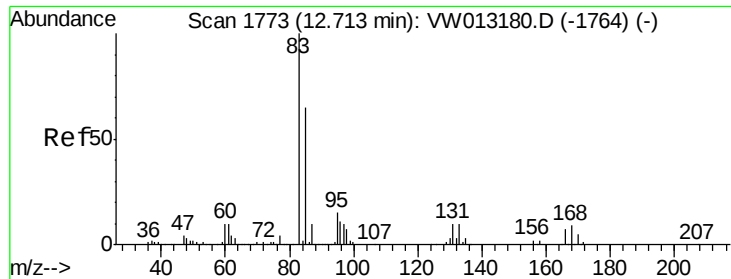
MMDadoda
10/1/2019 11:33:21 AM



#74
N-ethyl acetate
Concen: 19.929 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	67192		
70	45.3	35.1	52.7	
55	26.1	19.9	29.9	
61	25.4	19.5	29.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 20.702 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

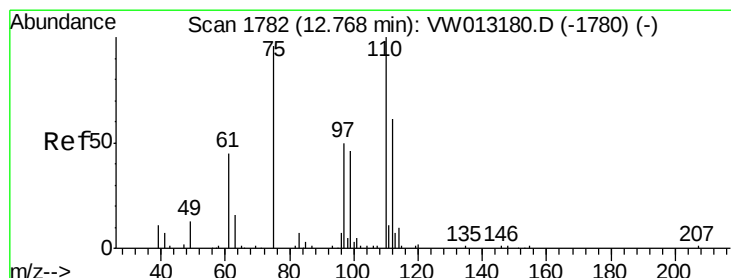
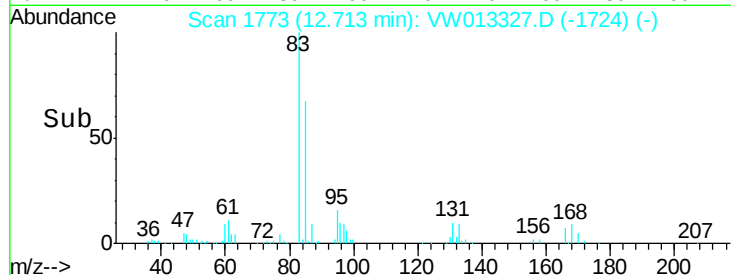
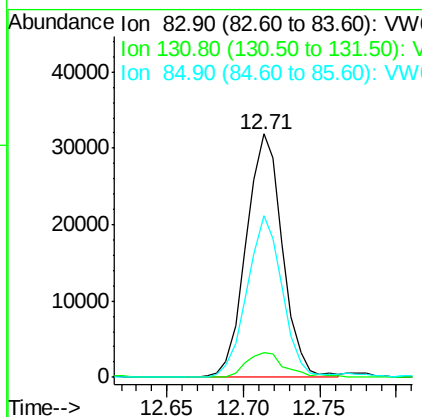
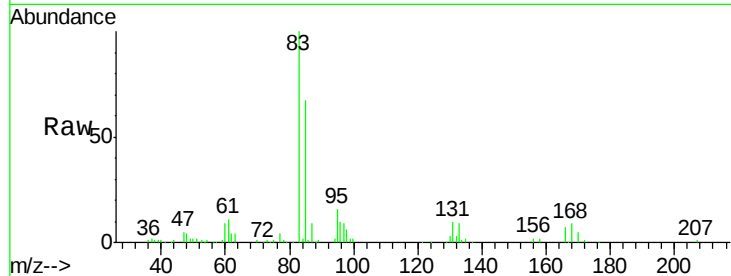
ClientSampleId :

VW0930SBS01

Tot Ion:	83	Resp:	52607
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.5	31.9	95.9

Manual Integrations
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MMDadoda
10/1/2019 11:33:21 AM



#76

1,2,3-Trichloropropane

Concen: 23.012 ug/l m

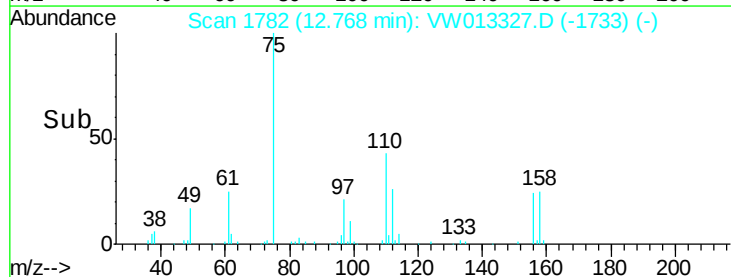
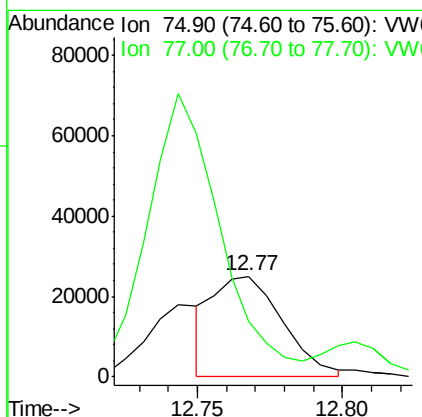
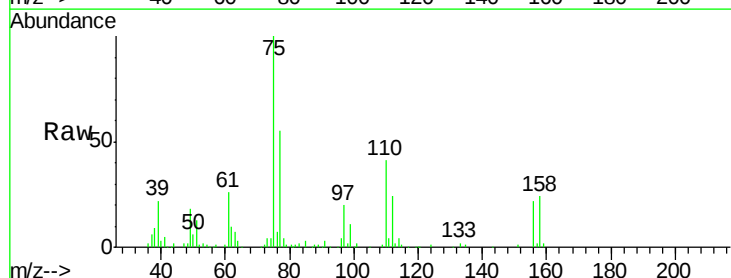
RT: 12.77 min Scan# 1782

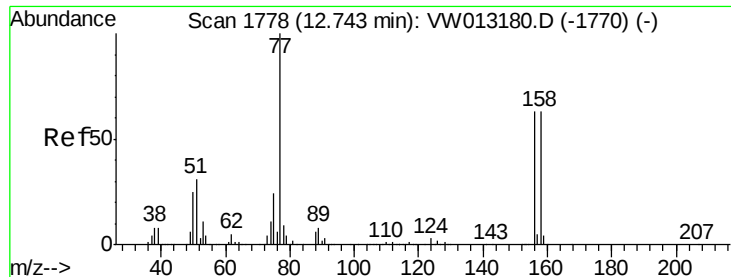
Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	75	Resp:	41801
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.939 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion:156 Resp: 71793

Ion Ratio Lower Upper

156 100

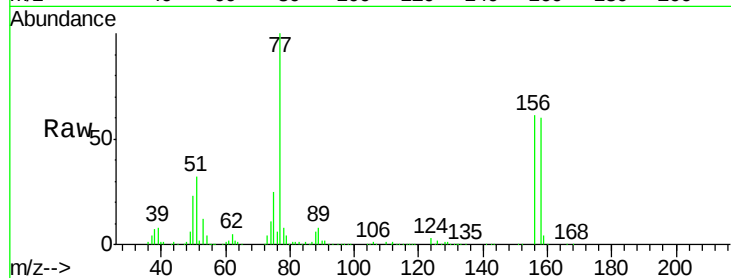
77 173.1 85.7 257.1

158 98.7 48.1 144.4

Manual Integrations
APPROVED

MMDadoda

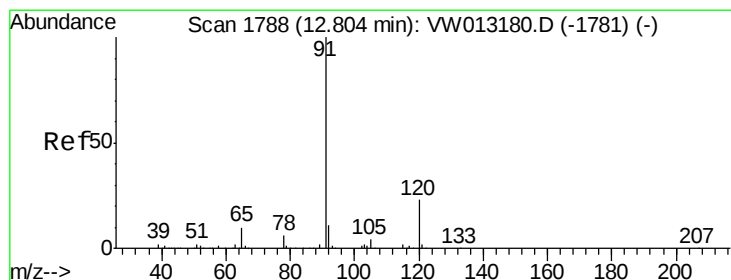
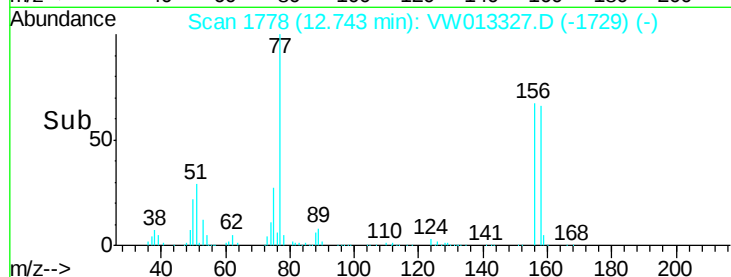
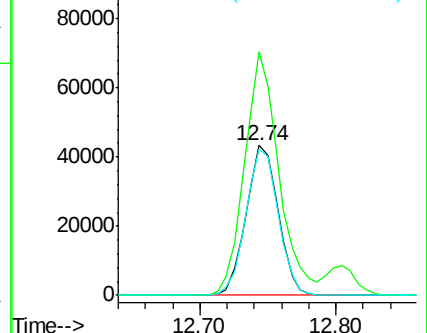
10/1/2019 11:33:21 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.038 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013327.D

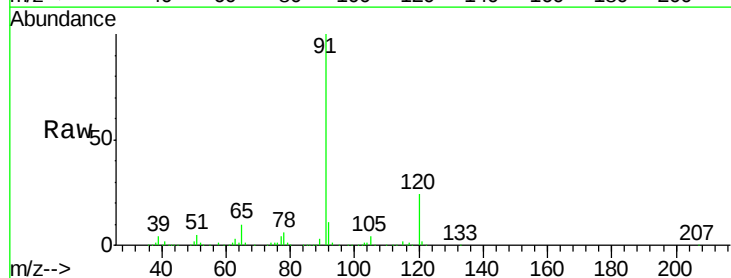
Acq: 30 Sep 2019 12:42

Tgt Ion: 91 Resp: 356377

Ion Ratio Lower Upper

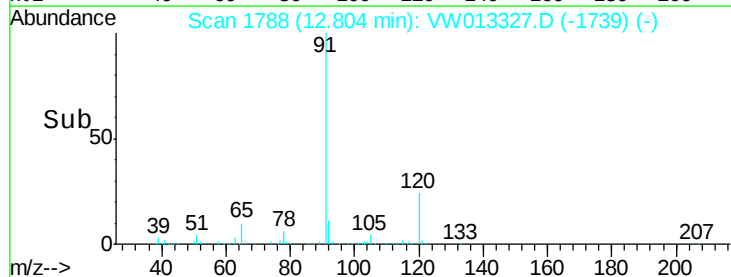
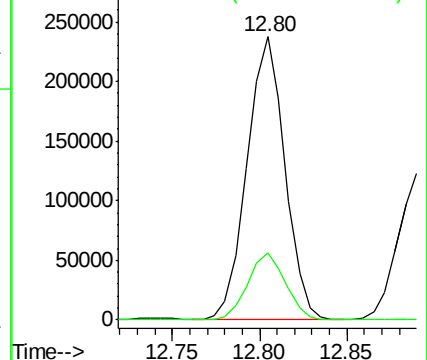
91 100

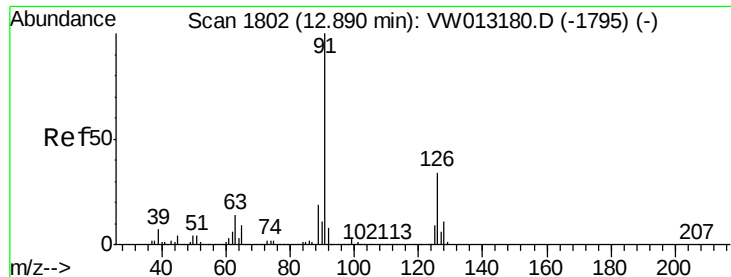
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.820 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion: 91 Resp: 197490

Ion Ratio Lower Upper

91 100

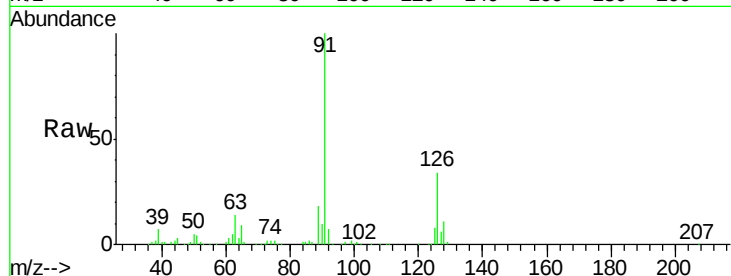
126 35.0 17.2 51.5

Manual Integrations

APPROVED

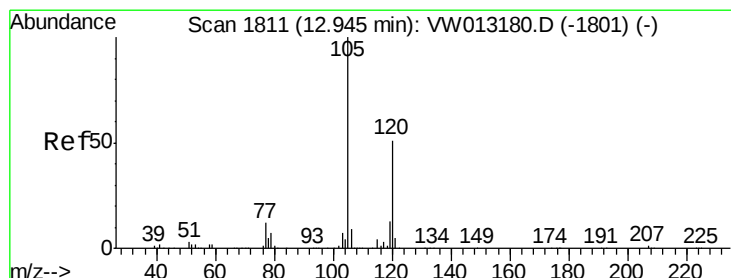
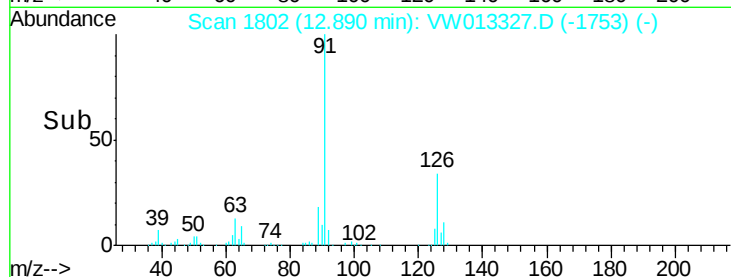
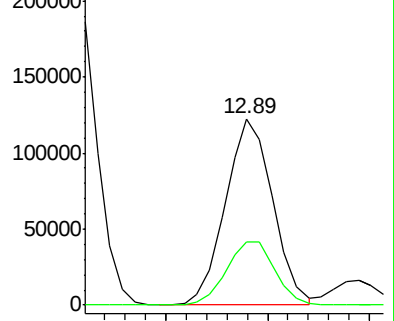
MMDadoda

10/1/2019 11:33:21 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.089 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013327.D

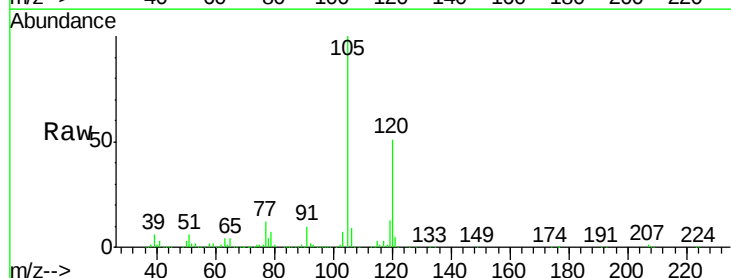
Acq: 30 Sep 2019 12:42

Tgt Ion:105 Resp: 256589

Ion Ratio Lower Upper

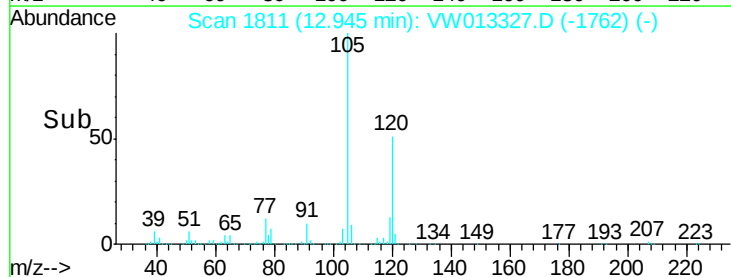
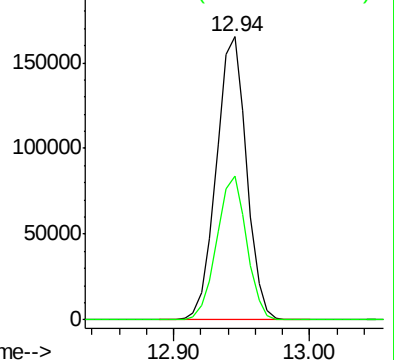
105 100

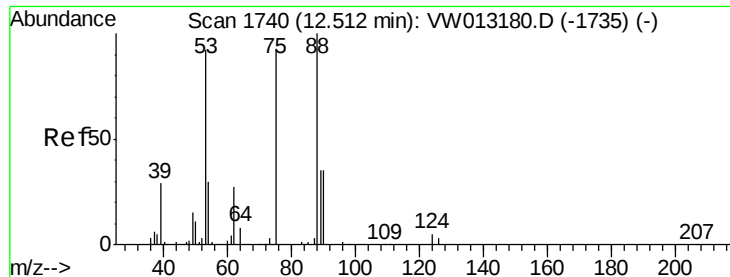
120 50.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





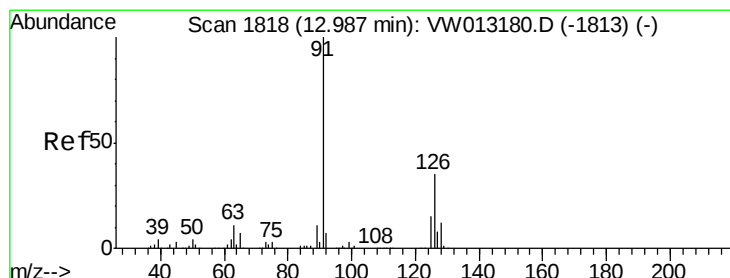
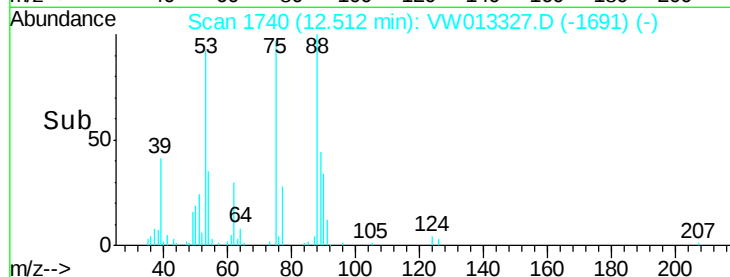
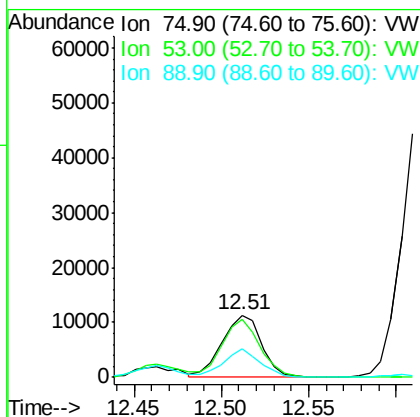
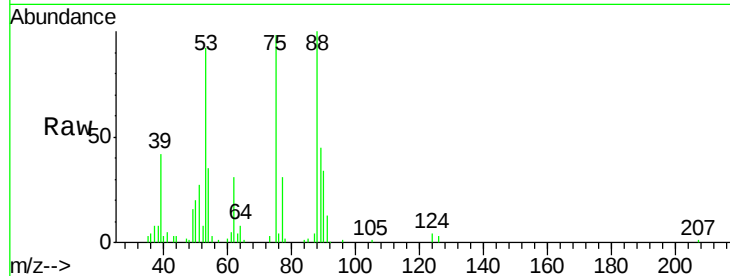
#81
trans-1,4-Dichloro-2-butene
Concen: 22.014 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	76.6	114.8
89	40.7	33.5	50.3

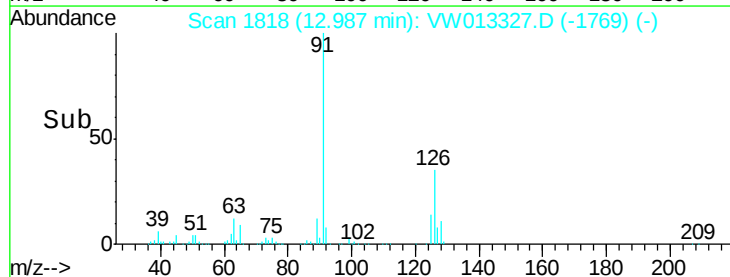
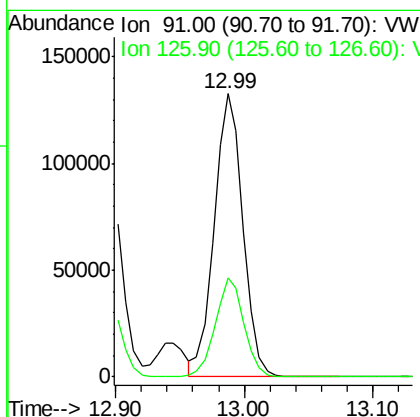
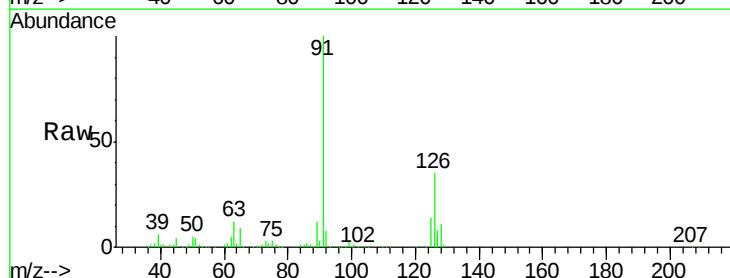
Manual Integrations
APPROVED

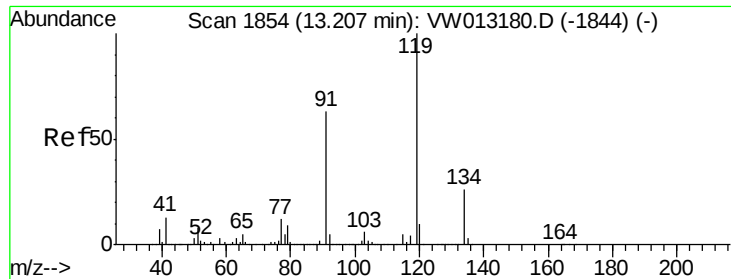
MMDadoda
10/1/2019 11:33:21 AM



#82
4-Chlorotoluene
Concen: 19.634 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	51.7





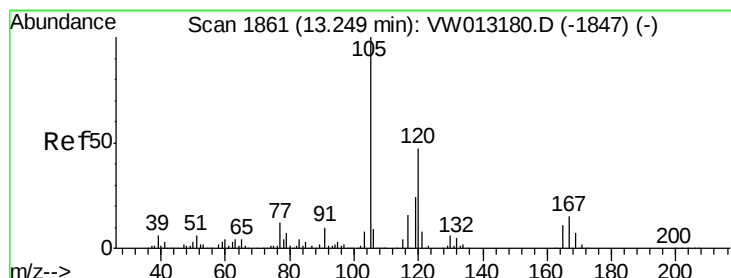
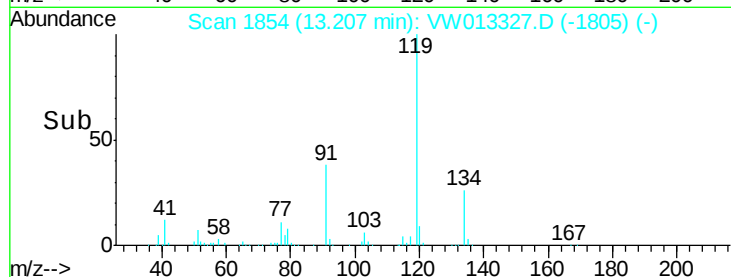
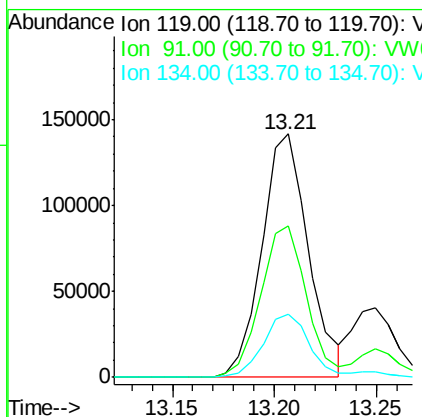
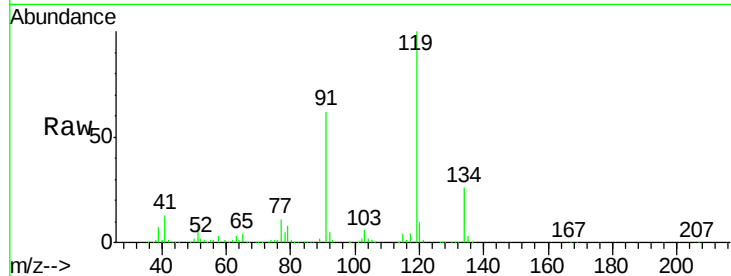
#83
tert-Butylbenzene
Concen: 20.078 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	25.9	12.6	37.6

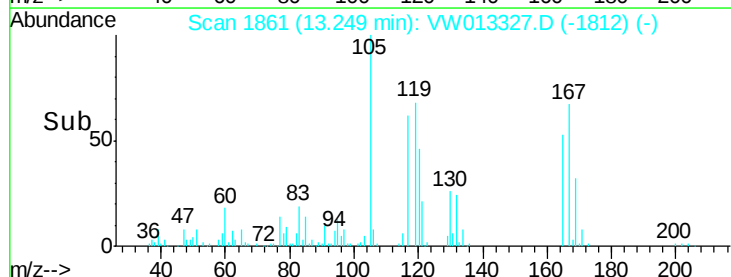
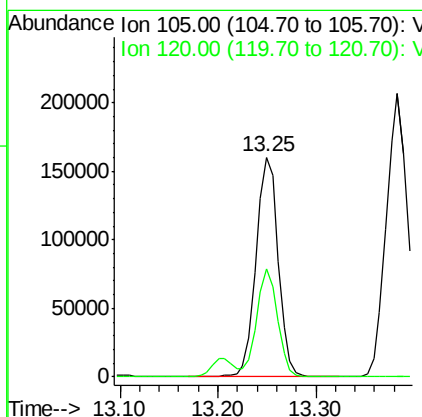
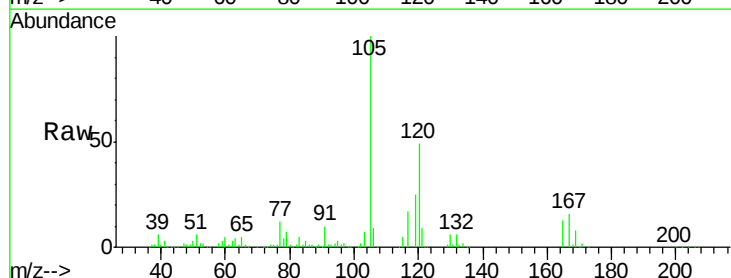
Manual Integrations
APPROVED

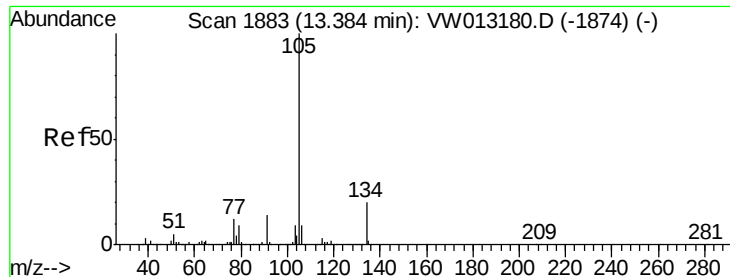
MMDadoda
10/1/2019 11:33:21 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.976 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.170 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

ClientSampleId :

VW0930SBS01

Tot Ion:105 Resp: 311738

Ion Ratio Lower Upper

105 100

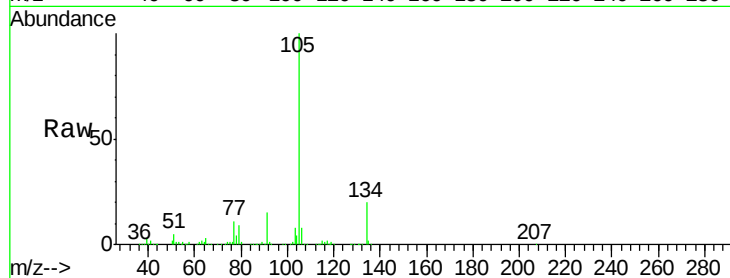
134 20.4 10.3 30.8

Manual Integrations

APPROVED

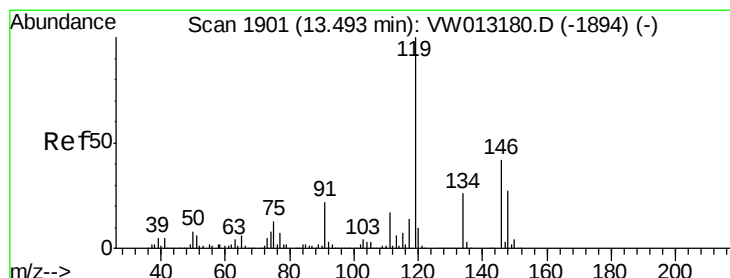
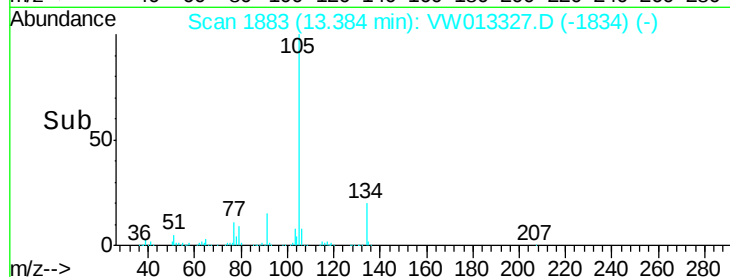
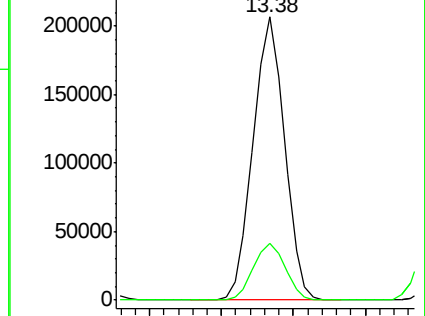
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.334 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

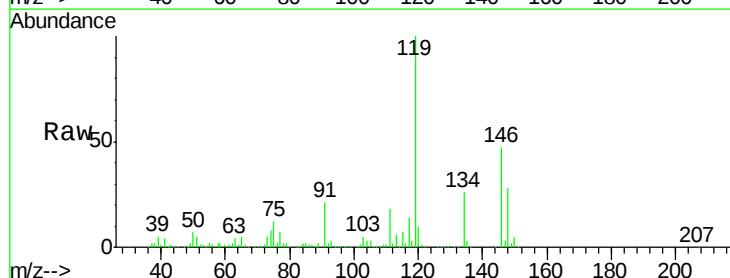
Tgt Ion:119 Resp: 291494

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.8

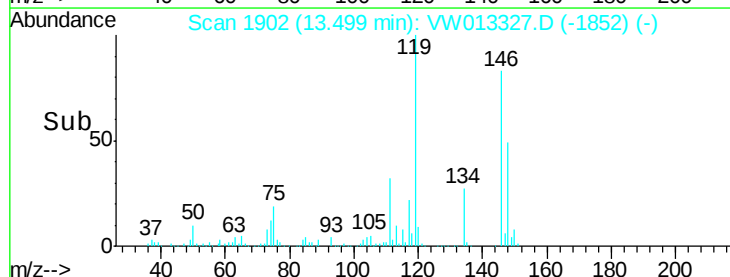
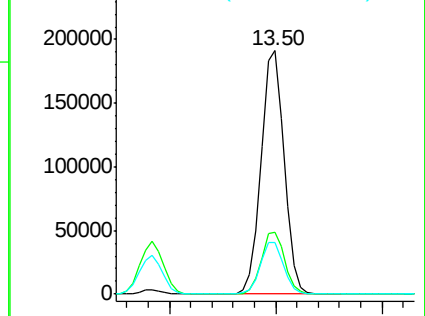
91 21.5 10.8 32.4

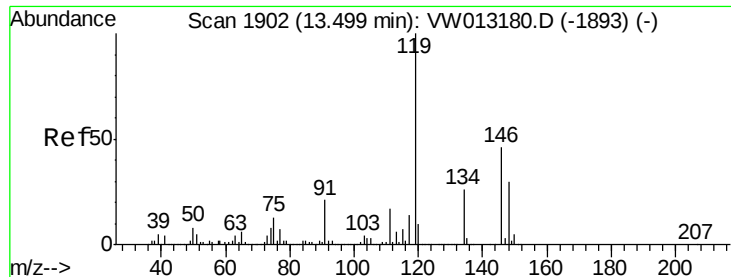


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





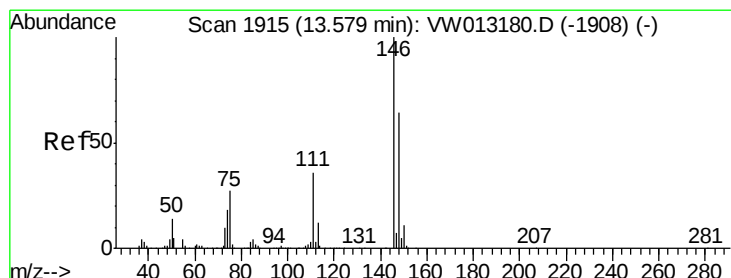
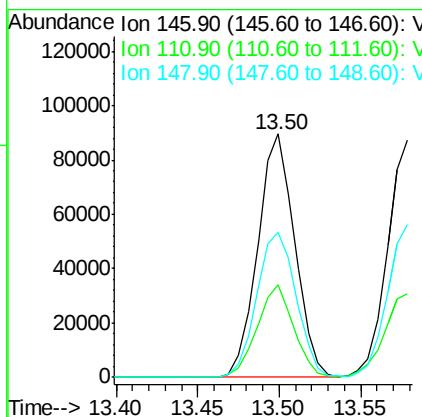
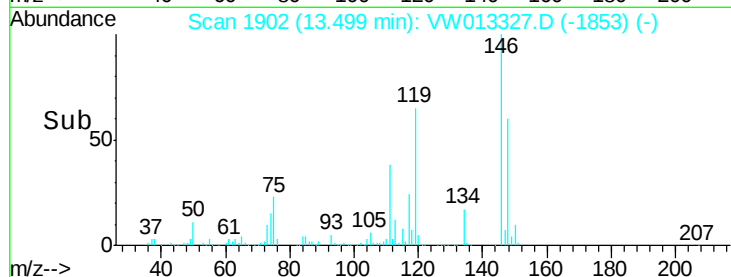
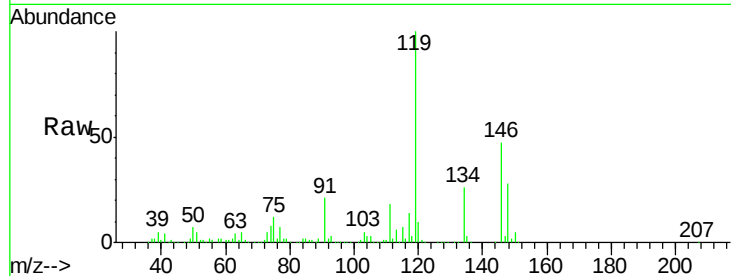
#87
 1,3-Dichlorobenzene
 Concen: 20.261 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	63.7	31.9	95.5

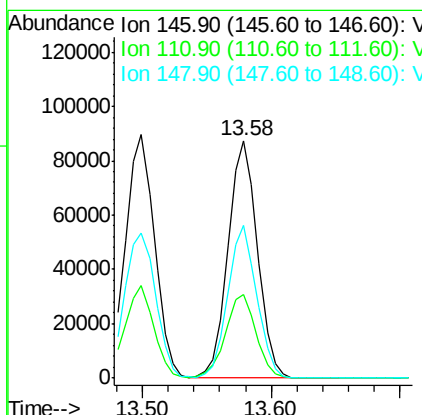
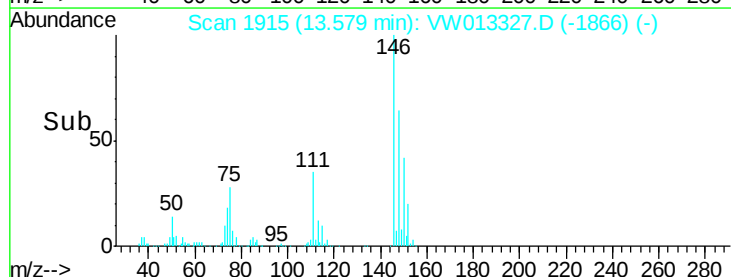
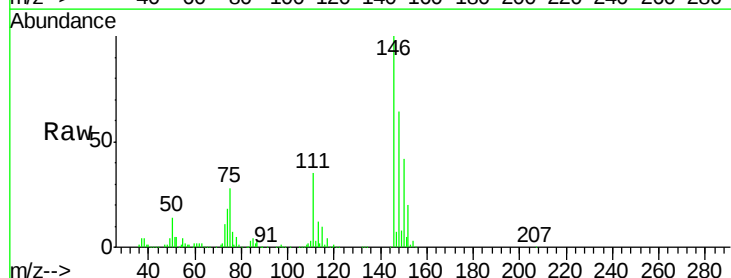
Manual Integrations
 APPROVED

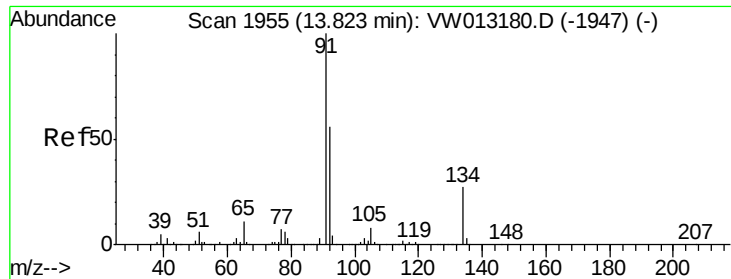
MMDadoda
 10/1/2019 11:33:21 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.497 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	63.4	32.1	96.3





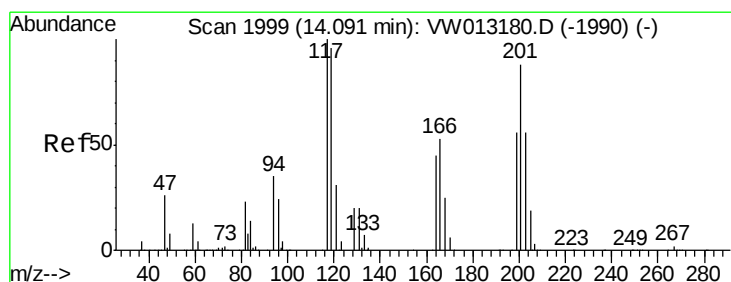
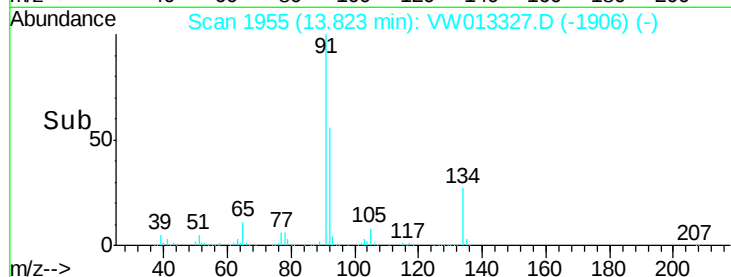
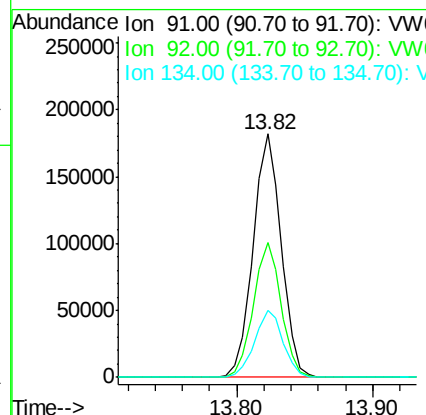
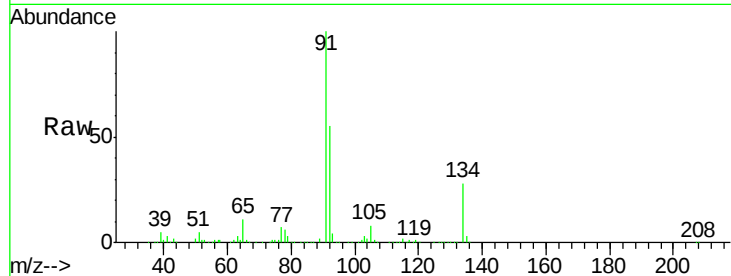
#89
n-Butylbenzene
Concen: 20.107 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Instrument :
MSVOA_W
ClientSampleId :
VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	263187		
92	54.8		27.6	82.8
134	27.8		13.7	41.1

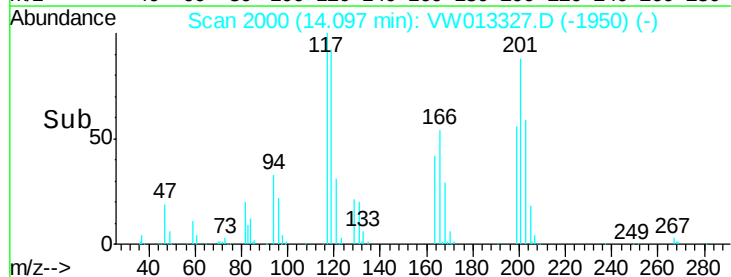
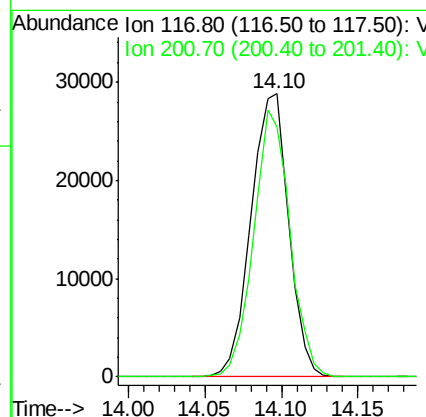
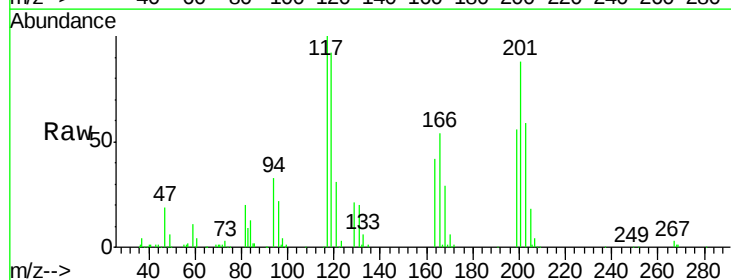
Manual Integrations
APPROVED

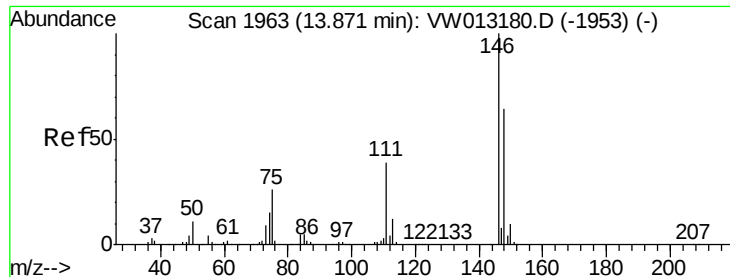
MMDadoda
10/1/2019 11:33:21 AM



#90
Hexachloroethane
Concen: 20.524 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW013327.D
Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49425		
201	90.7		44.5	133.5





#91

1,2-Dichlorobenzene

Concen: 20.409 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

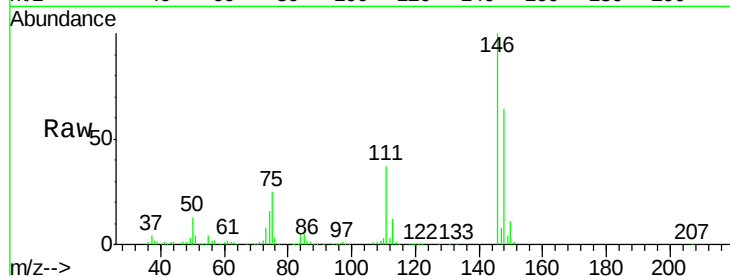
ClientSampleId :

VW0930SBS01

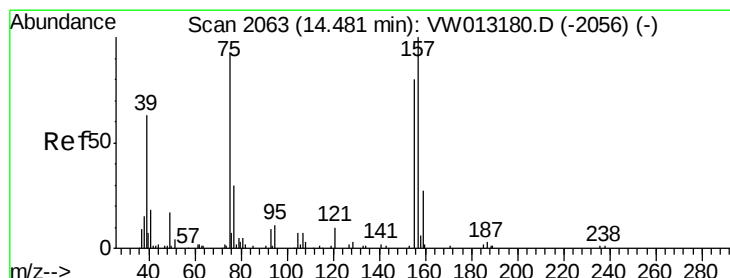
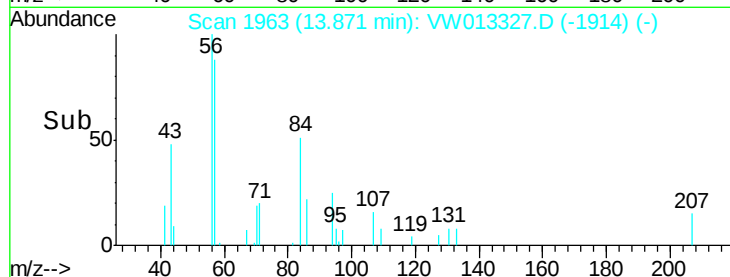
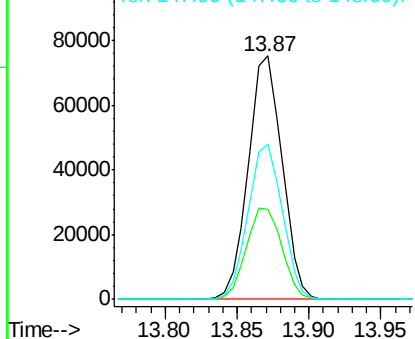
Tot Ion:	146	Resp:	122352
Ion Ratio	Lower	Upper	
146	100		
111	39.4	20.1	60.3
148	64.5	32.0	96.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.647 ug/l

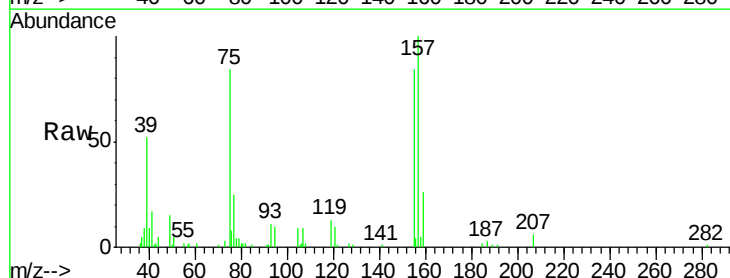
RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

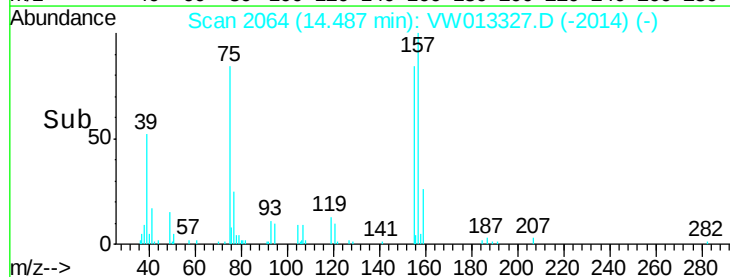
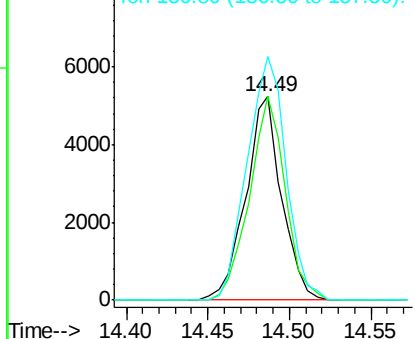
Lab File: VW013327.D

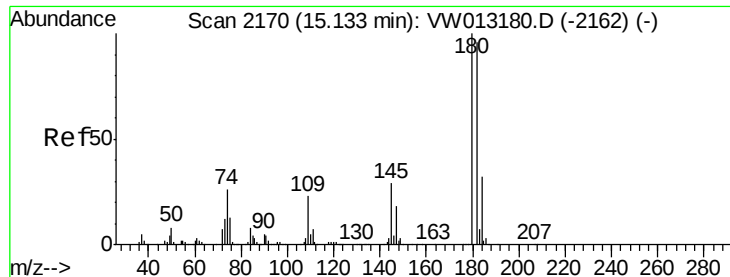
Acq: 30 Sep 2019 12:42

Tgt Ion:	75	Resp:	8025
Ion Ratio	Lower	Upper	
75	100		
155	99.7	46.1	138.3
157	129.5	60.4	181.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





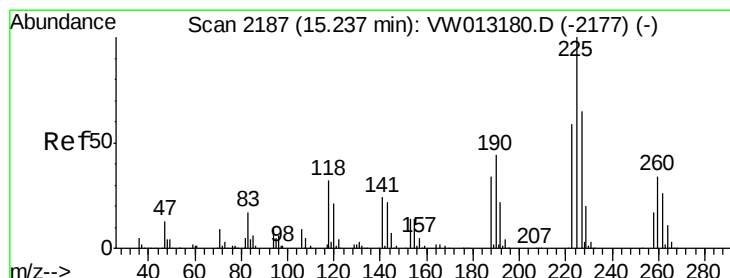
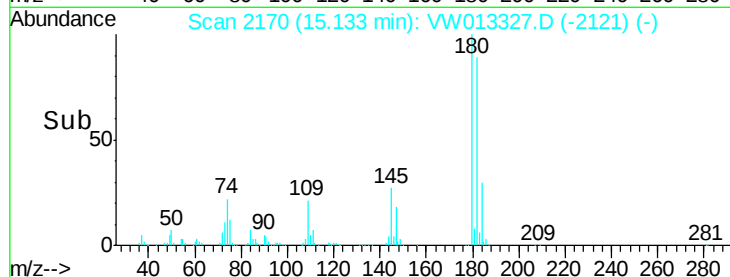
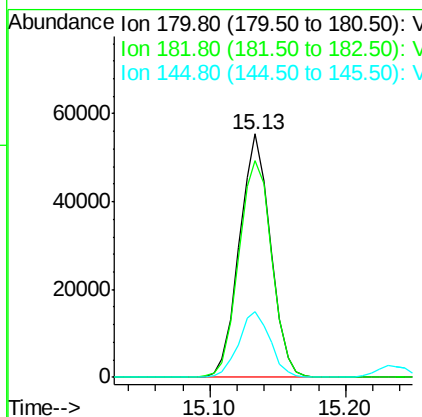
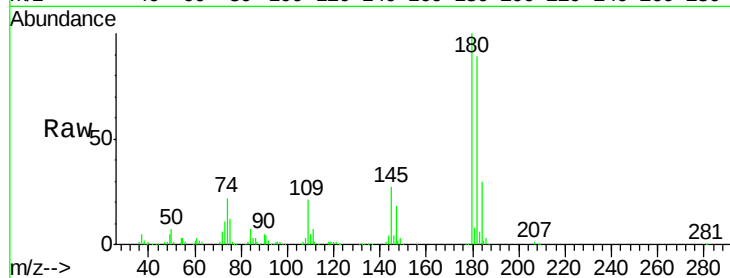
#93
 1,2,4-Trichlorobenzene
 Concen: 20.552 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0930SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.3	142.0	
145	27.4	14.2	42.8	

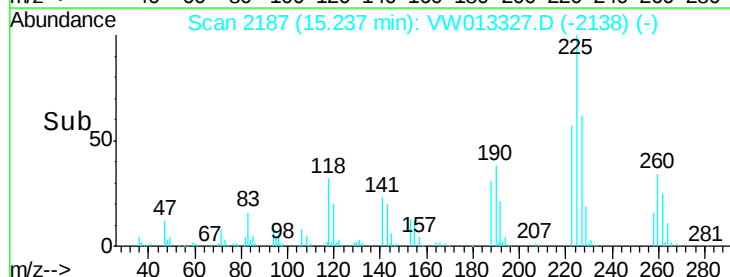
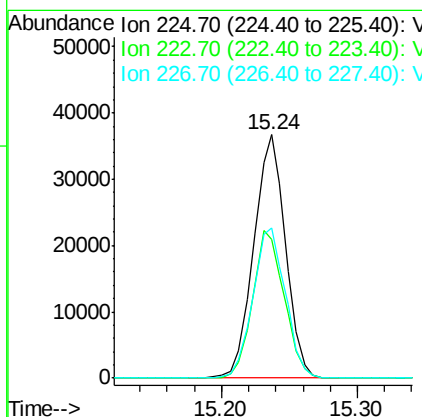
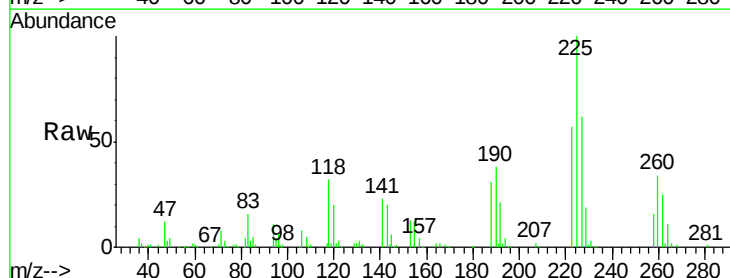
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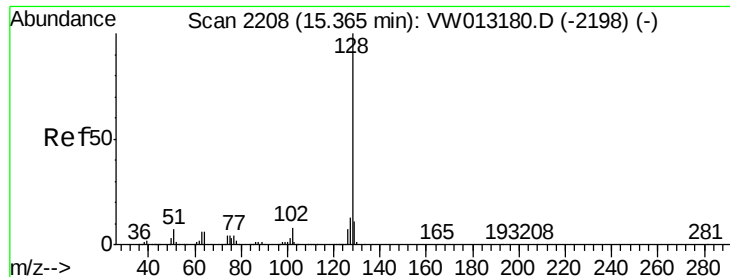
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#94
 Hexachlorobutadiene
 Concen: 20.396 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013327.D
 Acq: 30 Sep 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.5	30.6	91.8	
227	63.6	31.9	95.9	





#95

Naphthalene

Concen: 20.827 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Instrument :

MSVOA_W

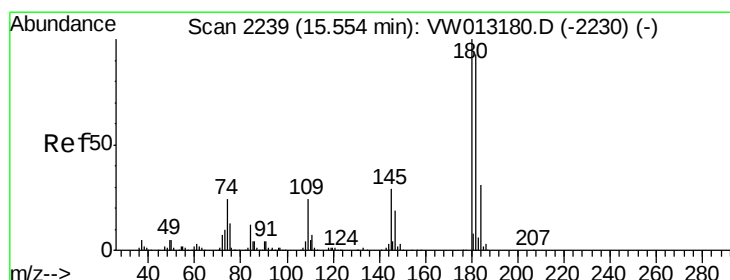
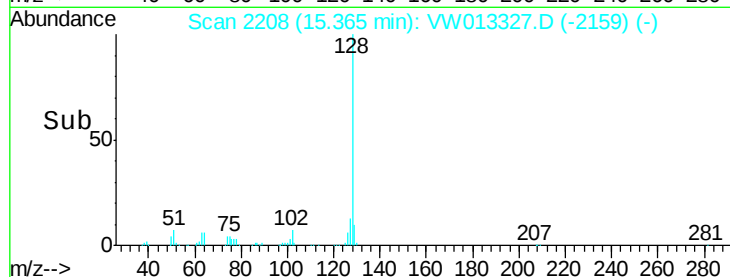
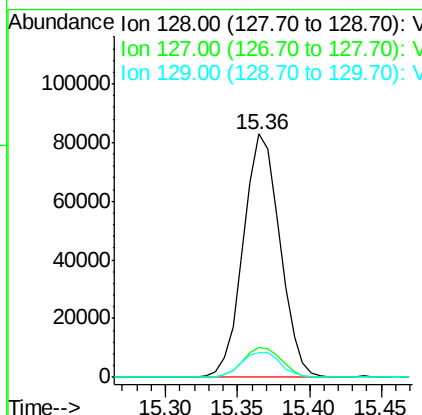
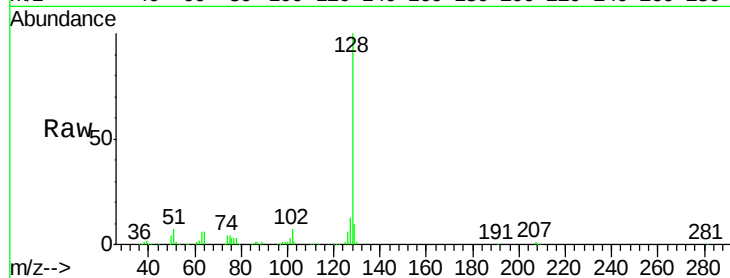
ClientSampleId :

VW0930SBS01

Tot Ion:	128	Resp:	146333
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	11.0	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 20.095 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013327.D

Acq: 30 Sep 2019 12:42

Tgt Ion:	180	Resp:	74593
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.9	143.7
145	31.8	15.0	45.0

