

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091119\
 Data File : VW012906.D
 Acq On : 11 Sep 2019 10:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:32:22 AM

Quant Time: Sep 11 12:39:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	273282	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119262	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	94298	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
35) Dibromofluoromethane	7.88	113	78376	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	10.32	98	314631	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.62	95	110011	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52920	50.626	ug/l	98
3) Chloromethane	2.21	50	61413	48.343	ug/l	96
4) Vinyl Chloride	2.35	62	83751	53.768	ug/l	99
5) Bromomethane	2.78	94	50548	59.762	ug/l	98
6) Chloroethane	2.92	64	51513	55.420	ug/l	94
7) Trichlorofluoromethane	3.26	101	58507	54.431	ug/l	98
8) Diethyl Ether	3.68	74	44181	48.905	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	91253	54.098	ug/l	97
10) Methyl Iodide	4.27	142	115465	54.375	ug/l	99
11) Tert butyl alcohol	5.15	59	36301	220.225	ug/l	99
12) 1,1-Dichloroethene	4.04	96	82143	51.587	ug/l	97
13) Acrolein	3.89	56	31053	177.526	ug/l	99
14) Allyl chloride	4.66	41	156349	47.465	ug/l	97
15) Acrylonitrile	5.37	53	120545	228.452	ug/l	100
16) Acetone	4.12	43	146144	248.825	ug/l	98
17) Carbon Disulfide	4.38	76	161546	47.795	ug/l	98
18) Methyl Acetate	4.67	43	57517	41.740	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	164922	52.225	ug/l	98
20) Methylene Chloride	4.92	84	92278	50.219	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	84815	52.202	ug/l	92
22) Diisopropyl ether	6.31	45	323571	49.528	ug/l	96
23) Vinyl Acetate	6.25	43	998147	241.078	ug/l	99
24) 1,1-Dichloroethane	6.21	63	181034	51.464	ug/l	99
25) 2-Butanone	7.16	43	181736	213.285	ug/l	99
26) 2,2-Dichloropropane	7.16	77	123845	55.742	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	101429	53.840	ug/l	98
28) Bromochloromethane	7.51	49	76986	47.662	ug/l	87
29) Tetrahydrofuran	7.52	42	100797	212.519	ug/l	96
30) Chloroform	7.67	83	181915	52.181	ug/l	96
31) Cyclohexane	7.95	56	145712	46.011	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	152173	53.849	ug/l	99
36) 1,1-Dichloropropene	8.08	75	134337	55.324	ug/l	99
37) Ethyl Acetate	7.25	43	71601	46.257	ug/l	98
38) Carbon Tetrachloride	8.07	117	137361	57.387	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	146823	53.837	ug/l	96
40) Benzene	8.32	78	366914	54.462	ug/l	99
41) Methacrylonitrile	7.48	41	46472	44.614	ug/l	94
42) 1,2-Dichloroethane	8.40	62	126628	53.407	ug/l	99
43) Isopropyl Acetate	8.42	43	141154	48.133	ug/l	97
44) Trichloroethene	9.09	130	99972	57.568	ug/l	93
45) 1,2-Dichloropropane	9.37	63	97905	52.397	ug/l	98
46) Dibromomethane	9.46	93	47836	54.063	ug/l	96
47) Bromodichloromethane	9.64	83	136708	56.158	ug/l	97
48) Methyl methacrylate	9.43	41	67523	48.180	ug/l	99
49) 1,4-Dioxane	9.45	88	14917	853.483	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	361186	234.717	ug/l	99
52) Toluene	10.38	92	236736	56.301	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	136769	54.638	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	158340	55.760	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	72658	54.849	ug/l	95
56) Ethyl methacrylate	10.65	69	101637	52.415	ug/l	97
57) 1,3-Dichloropropane	10.93	76	128666	52.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	243061	236.115	ug/l	96
59) 2-Hexanone	10.97	43	269017	239.289	ug/l	98
60) Dibromochloromethane	11.13	129	87829	56.375	ug/l	99
61) 1,2-Dibromoethane	11.23	107	65917	54.276	ug/l	98
64) Tetrachloroethene	10.86	164	84683	59.002	ug/l	98
65) Chlorobenzene	11.65	112	252305	56.436	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	97318	58.453	ug/l	99
67) Ethyl Benzene	11.73	91	480081	57.234	ug/l	98
68) m/p-Xylenes	11.84	106	352843	116.539	ug/l	99
69) o-Xylene	12.16	106	165030	57.775	ug/l	98
70) Styrene	12.18	104	293460	58.140	ug/l	99
71) Bromoform	12.35	173	51733	55.928	ug/l #	98
73) Isopropylbenzene	12.46	105	484706	56.666	ug/l	99
74) N-amyl acetate	12.27	43	129704	47.771	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	83529	48.624	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	66499m	54.529	ug/l	
77) Bromobenzene	12.74	156	109961	56.741	ug/l	93
78) n-propylbenzene	12.80	91	568721	55.592	ug/l	99
79) 2-Chlorotoluene	12.89	91	322450	54.904	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	411347	57.070	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28841	50.021	ug/l	100
82) 4-Chlorotoluene	12.99	91	340219	54.766	ug/l	99
83) tert-Butylbenzene	13.21	119	363960	57.108	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	406806	56.012	ug/l	100
85) sec-Butylbenzene	13.38	105	499501	56.481	ug/l	99
86) p-Isopropyltoluene	13.50	119	458073	56.707	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	215438	56.559	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	214301	56.539	ug/l	98
89) n-Butylbenzene	13.82	91	432161	55.106	ug/l	99
90) Hexachloroethane	14.09	117	78915	55.960	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	189914	55.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14806	47.097	ug/l	98

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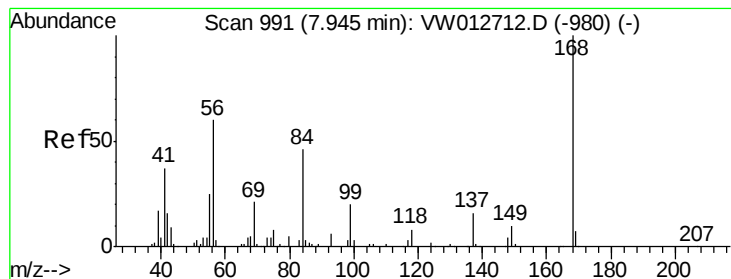
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	139688	58.521	ug/l	98
94) Hexachlorobutadiene	15.23	225	93881	56.822	ug/l	98
95) Naphthalene	15.36	128	239753	48.101	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	122248	58.021	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 192818

Ion Ratio Lower Upper

168 100

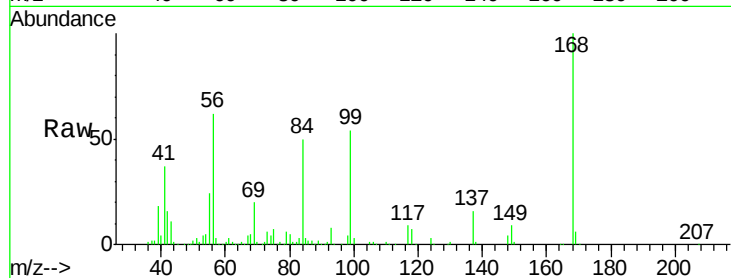
99 53.9 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

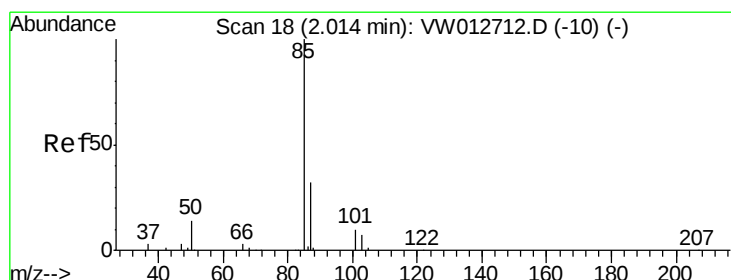
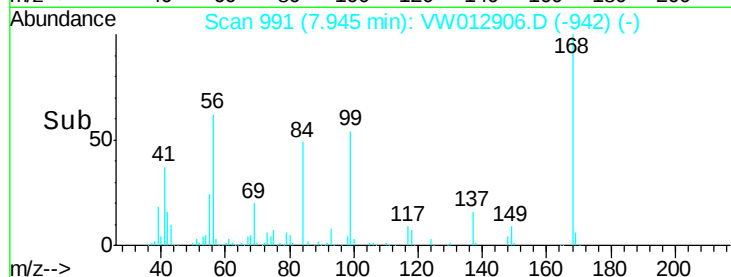
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.626 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012906.D

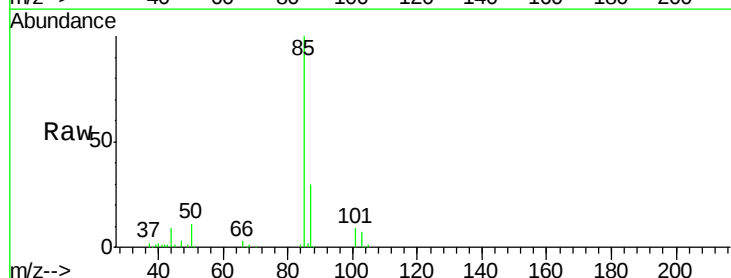
Acq: 11 Sep 2019 10:04

Tgt Ion: 85 Resp: 52920

Ion Ratio Lower Upper

85 100

87 30.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

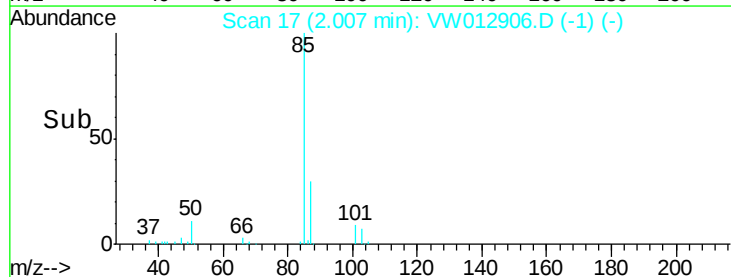
10000

5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 48.343 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 61413

Ion Ratio Lower Upper

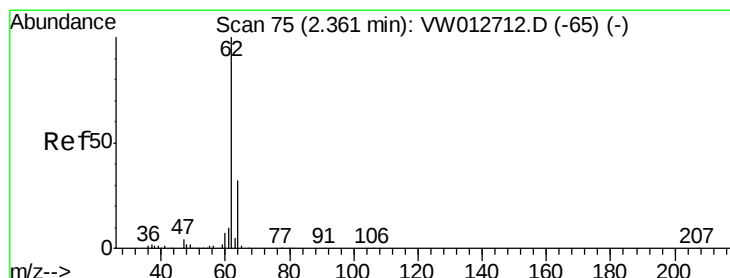
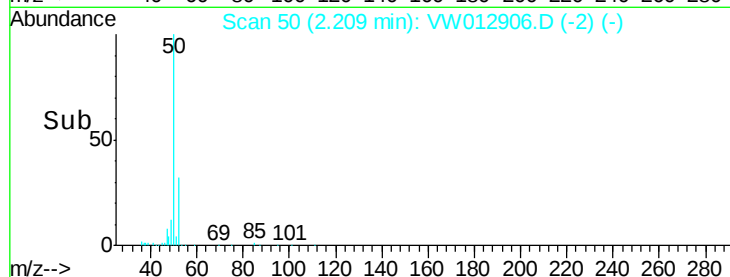
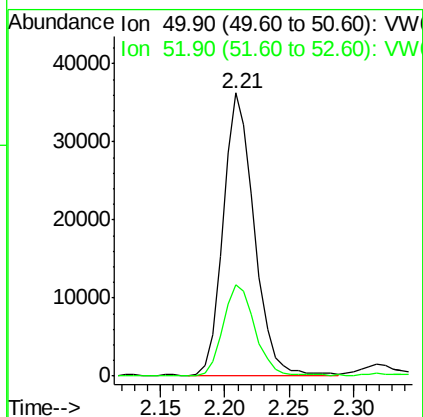
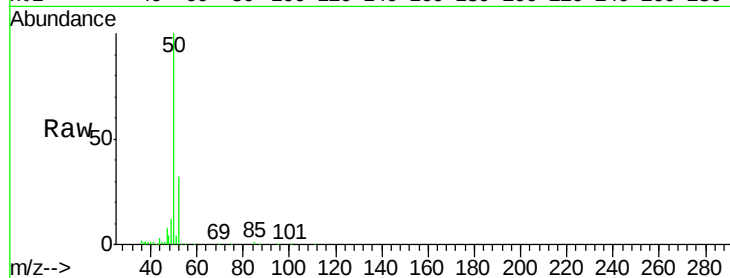
50 100

52 32.3 24.2 36.2

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#4

Vinyl Chloride

Concen: 53.768 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012906.D

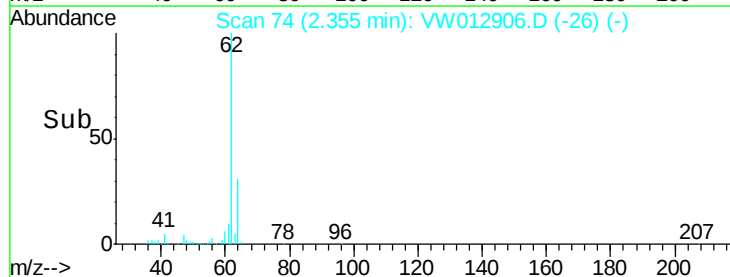
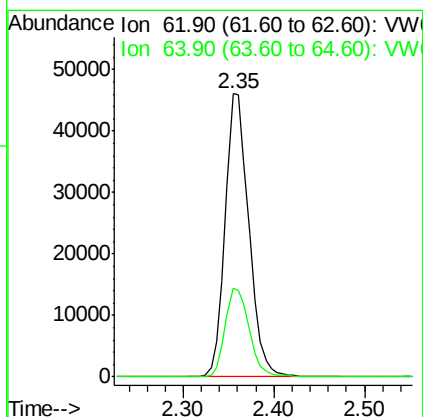
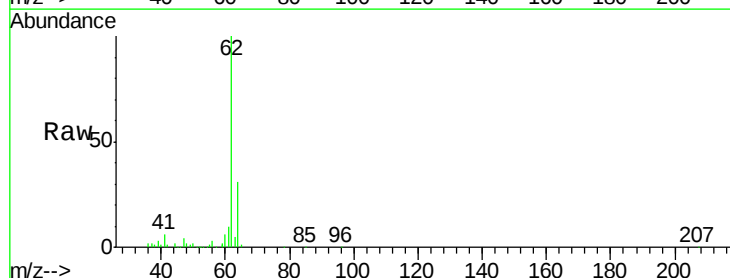
Acq: 11 Sep 2019 10:04

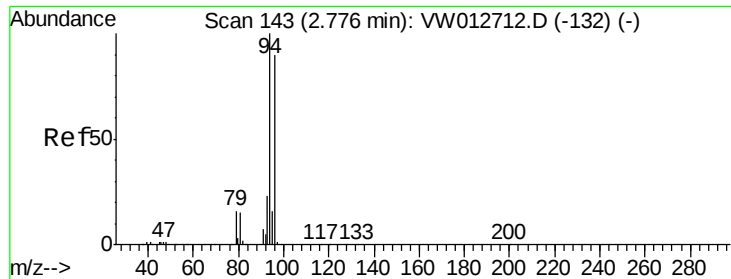
Tgt Ion: 62 Resp: 83751

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 59.762 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 50548

Ion Ratio Lower Upper

94 100

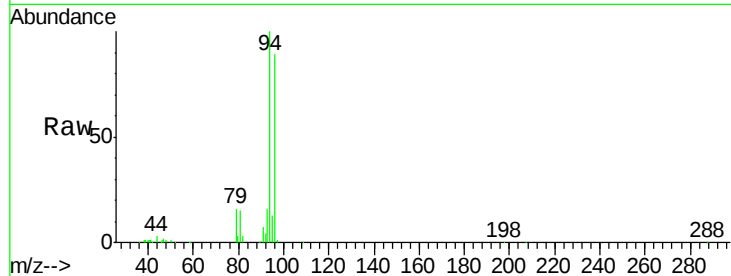
96 88.6 72.1 108.1

Manual Integrations

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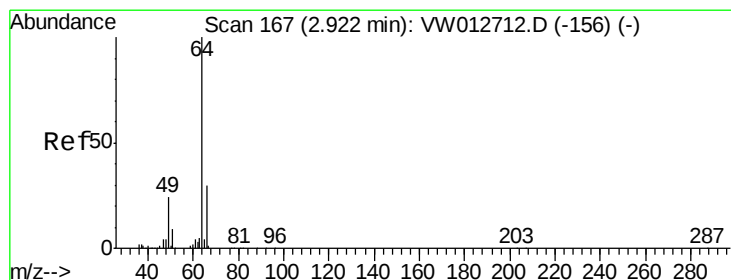
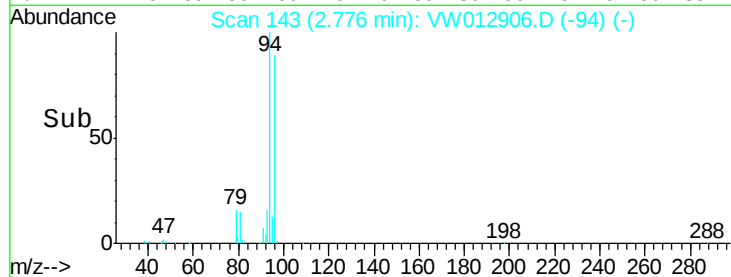
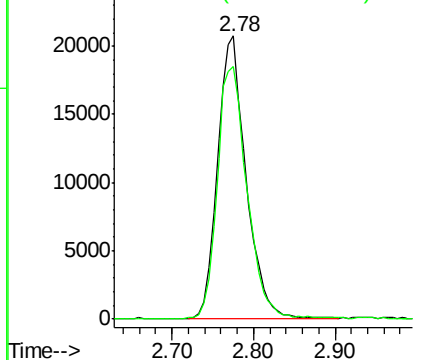
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 55.420 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012906.D

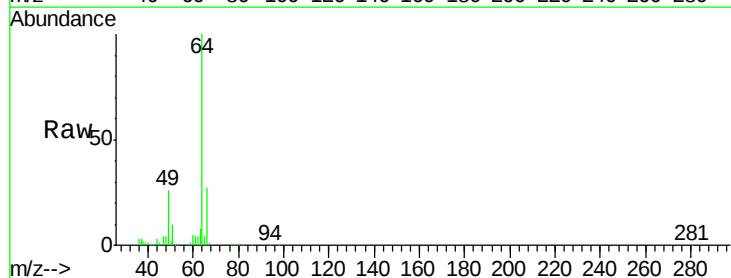
Acq: 11 Sep 2019 10:04

Tgt Ion: 64 Resp: 51513

Ion Ratio Lower Upper

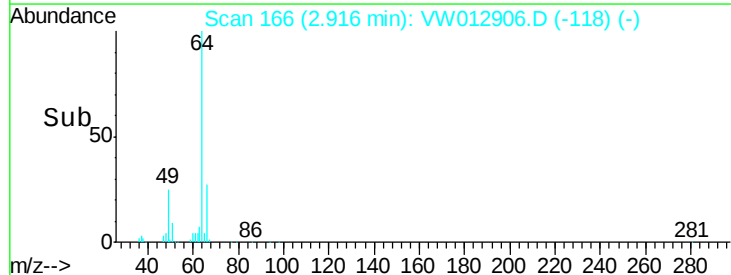
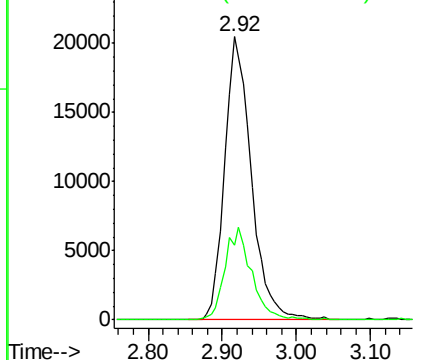
64 100

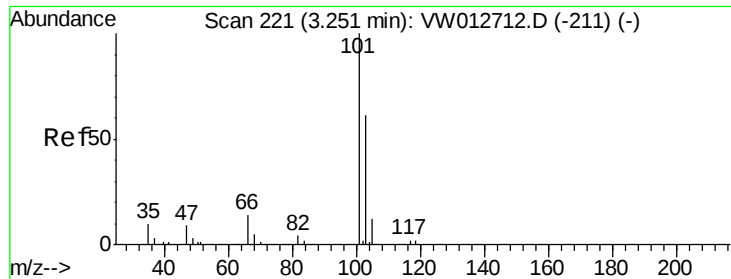
66 26.5 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

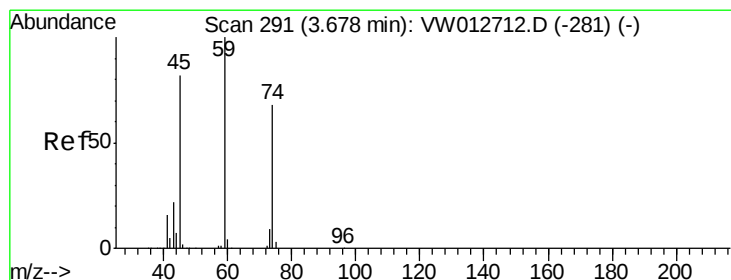
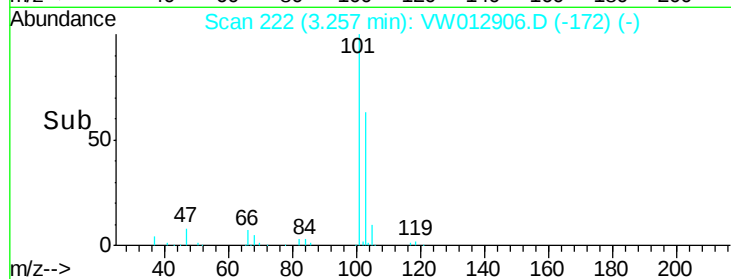
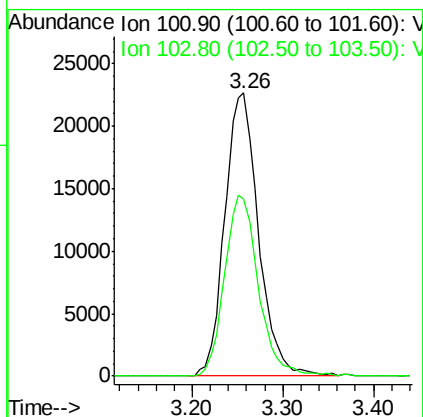
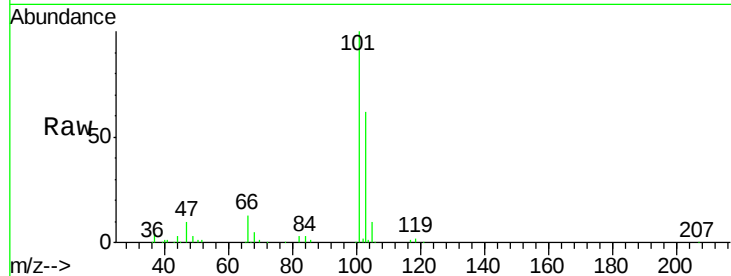
Trichlorofluoromethane
 Concen: 54.431 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	49.0	73.4

Manual Integrations
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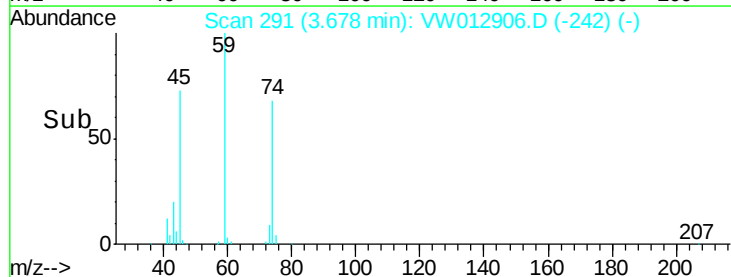
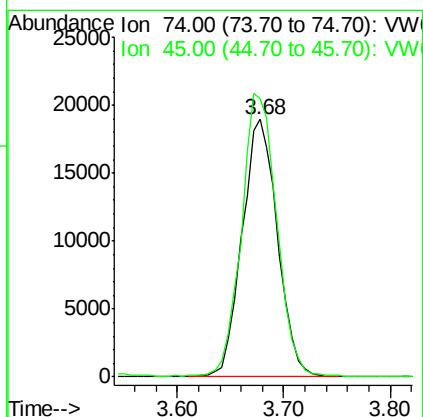
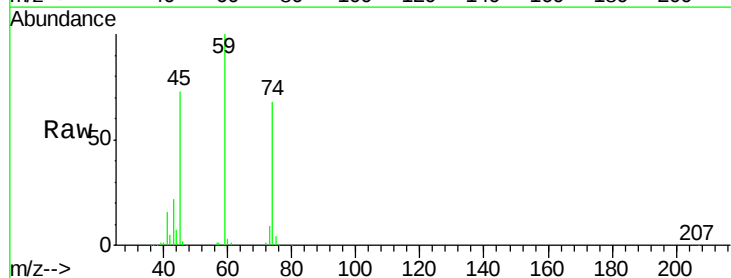
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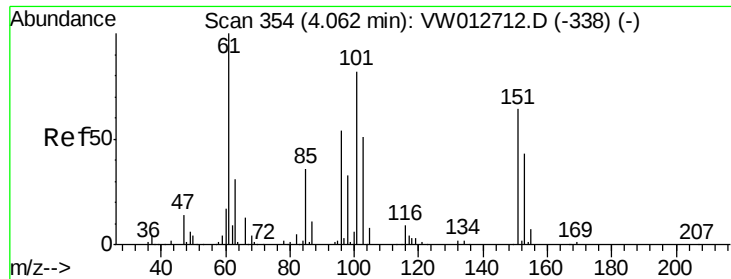


#8

Diethyl Ether
 Concen: 48.905 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.8	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.098 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

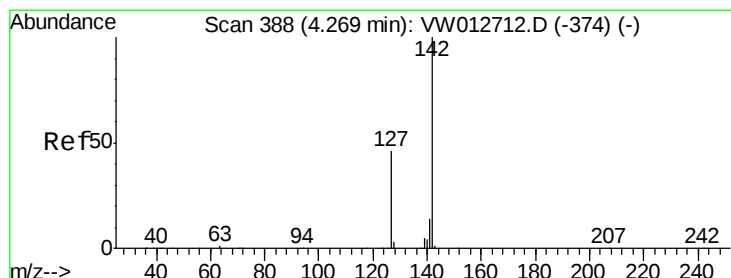
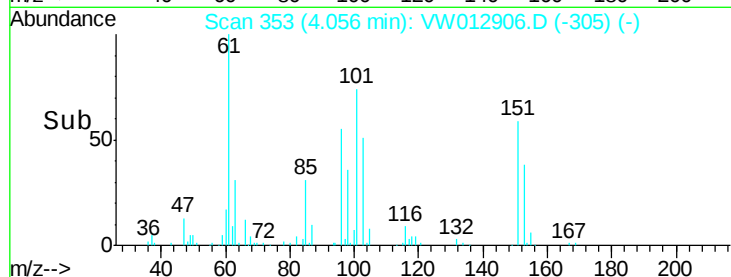
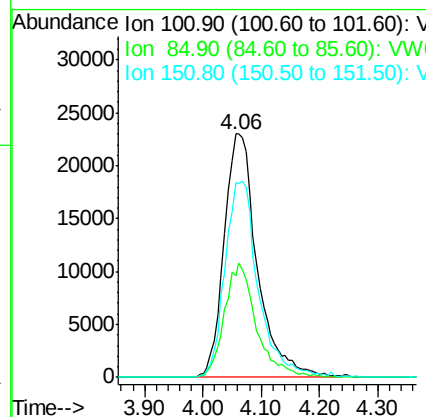
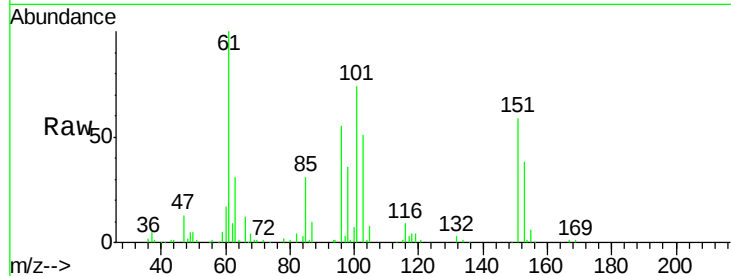
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	91253
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.2	54.2
151	80.7	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 54.375 ug/l

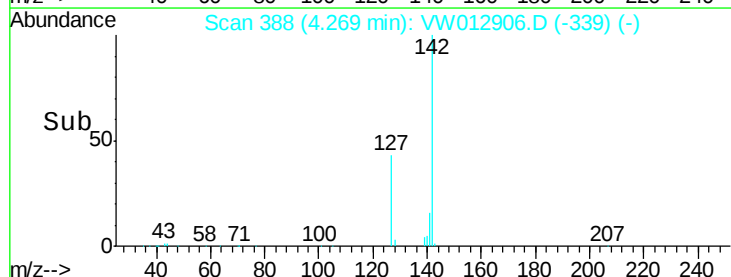
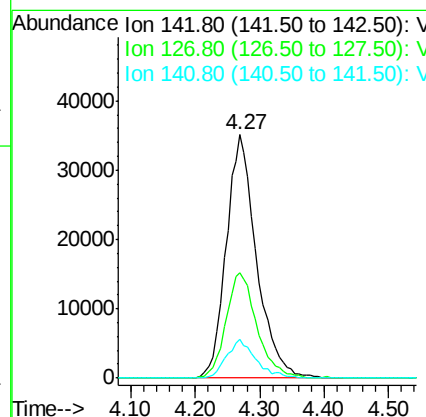
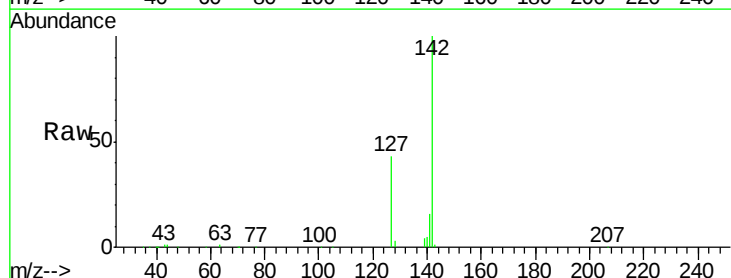
RT: 4.27 min Scan# 388

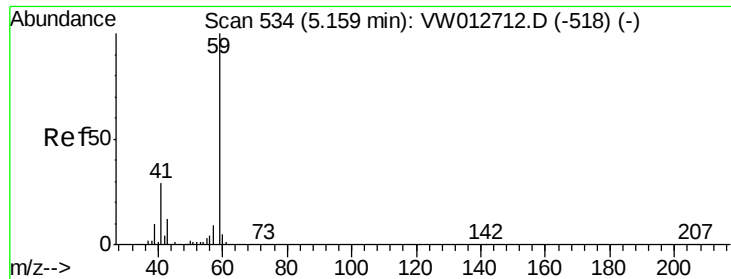
Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Tgt Ion:	142	Resp:	115465
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.0	54.0
141	15.3	12.2	18.4





#11

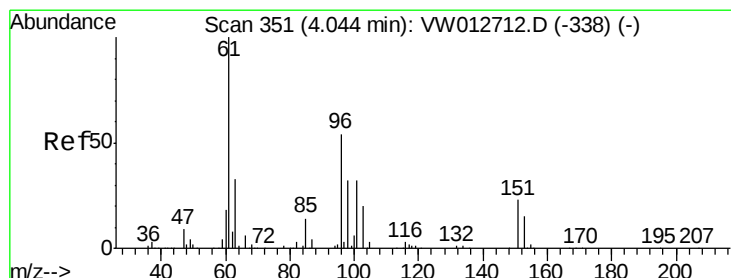
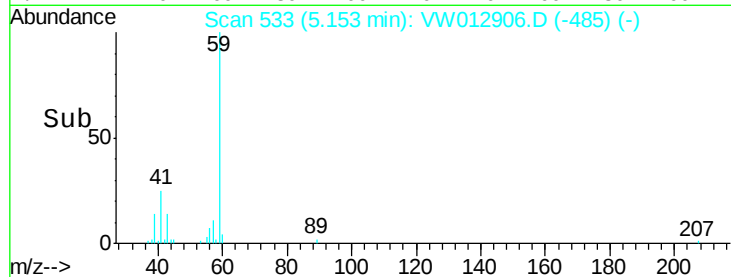
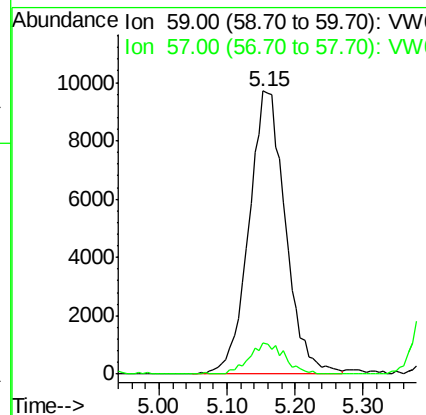
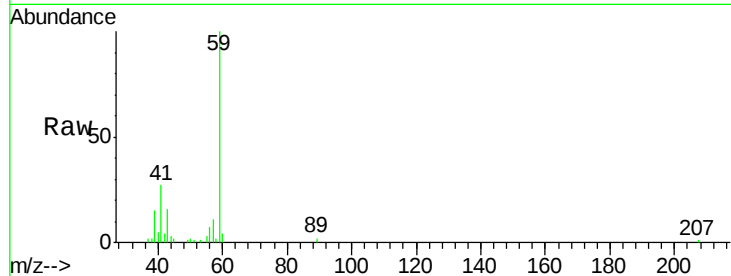
Tert butyl alcohol
Concen: 220.225 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
APPROVED

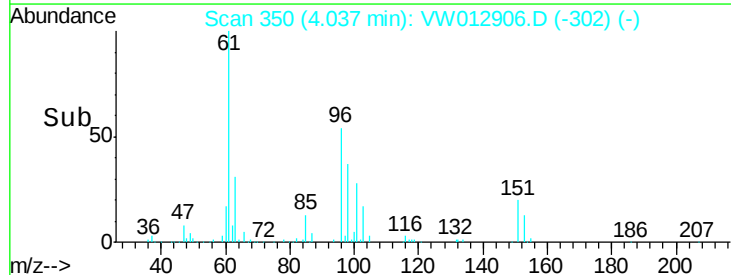
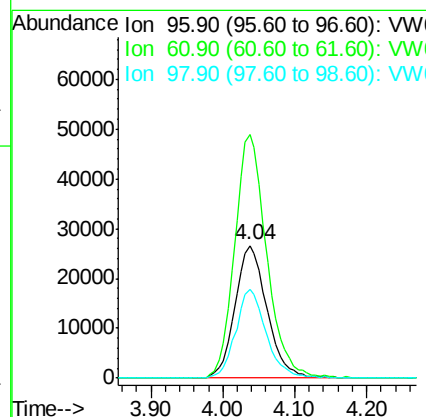
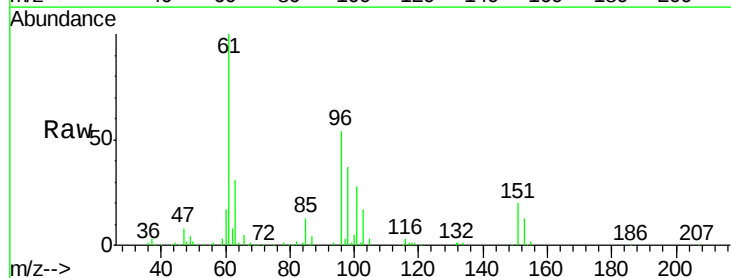
MMDadoda
9/13/2019 1:32:22 AM

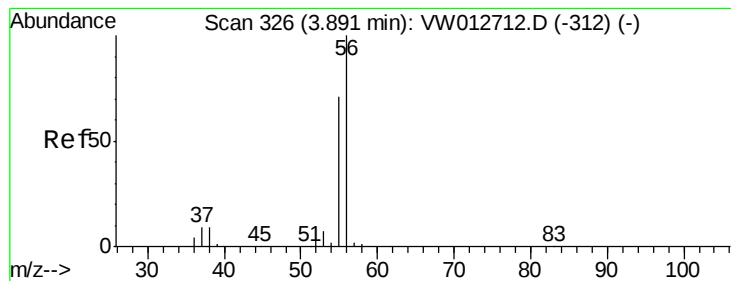


#12

1,1-Dichloroethene
Concen: 51.587 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.1	147.8	221.6
98	67.3	47.9	71.9





#13

Acrolein

Concen: 177.526 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 31053

Ion Ratio Lower Upper

56 100

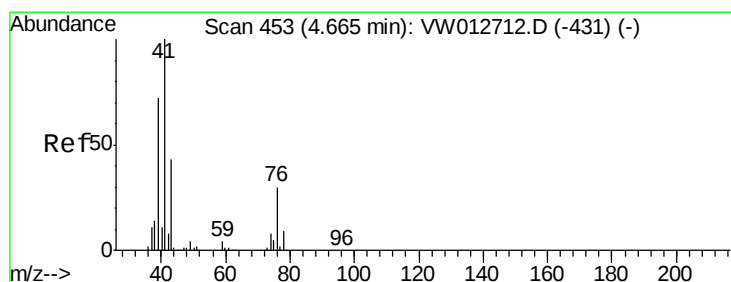
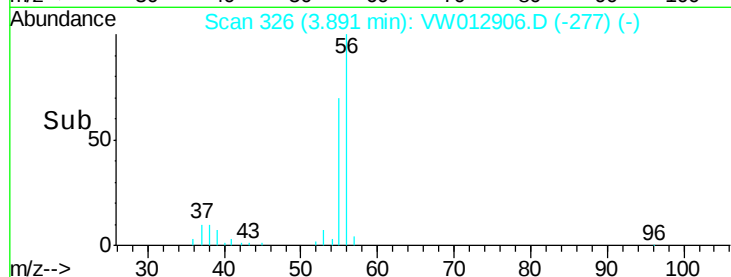
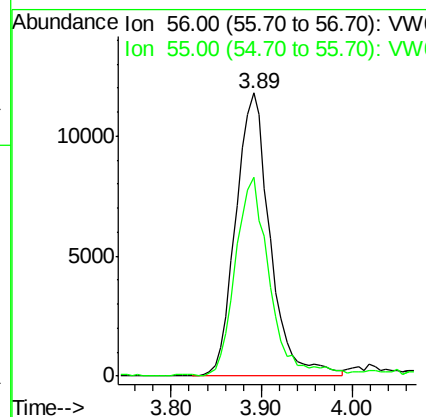
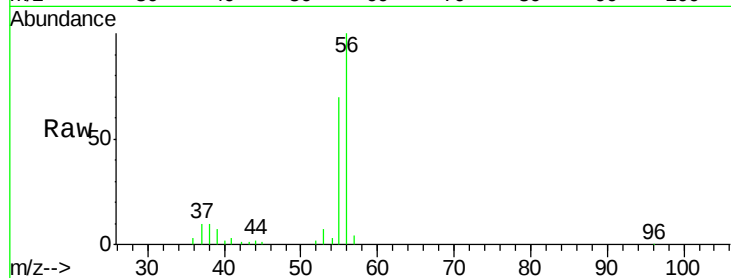
55 69.9 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

9/13/2019 1:32:22 AM



#14

Allyl chloride

Concen: 47.465 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

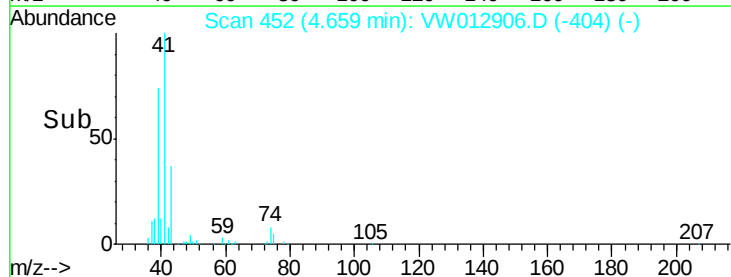
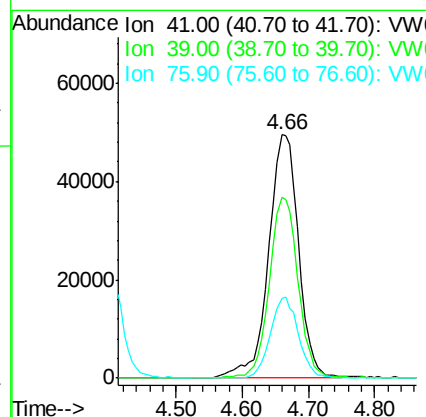
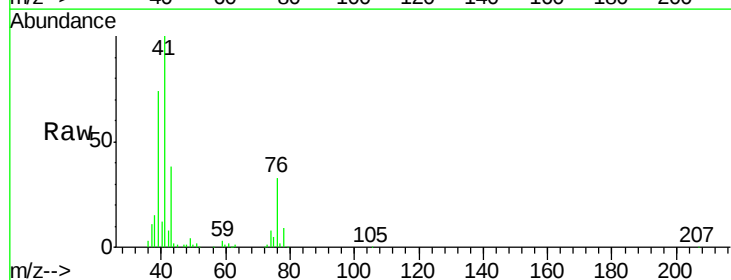
Tgt Ion: 41 Resp: 156349

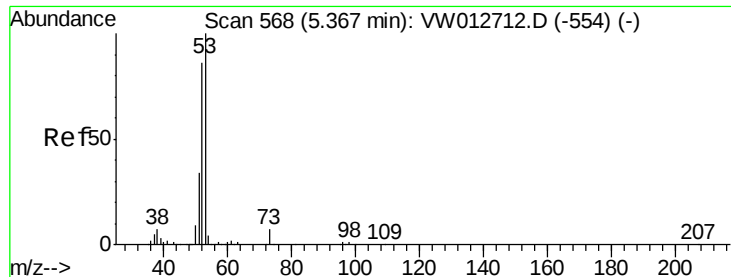
Ion Ratio Lower Upper

41 100

39 71.1 55.0 82.6

76 30.9 23.0 34.4





#15

Acrylonitrile

Concen: 228.452 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

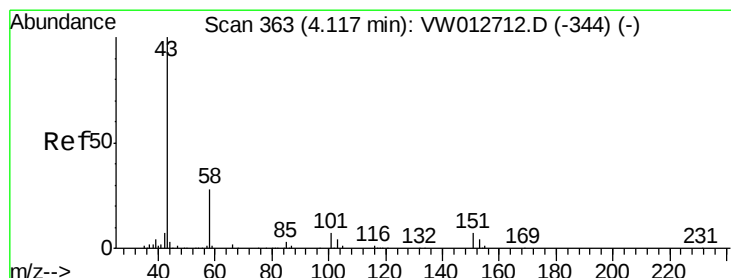
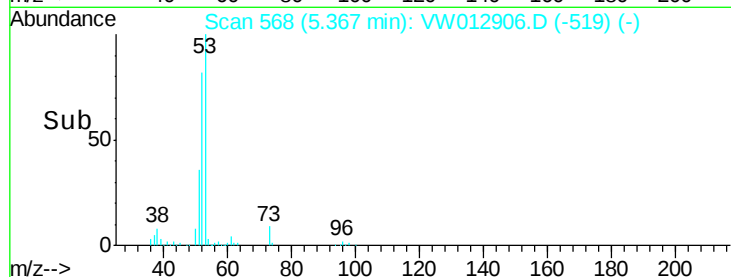
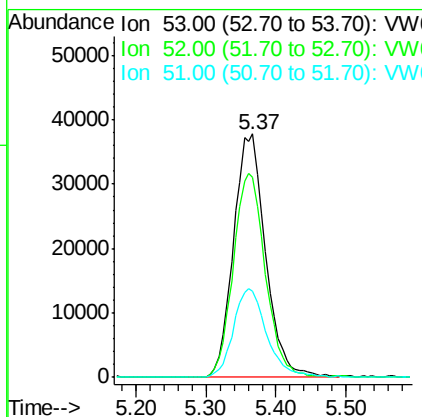
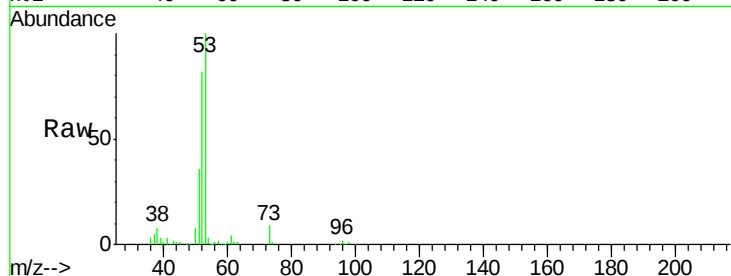
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	120545
Ion Ratio		Lower	Upper
53	100		
52	83.6	67.0	100.4
51	37.9	29.8	44.8

Manual Integrations
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MMDadoda
9/13/2019 1:32:22 AM



#16

Acetone

Concen: 248.825 ug/l

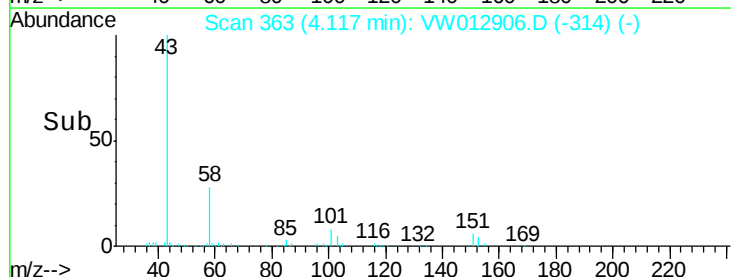
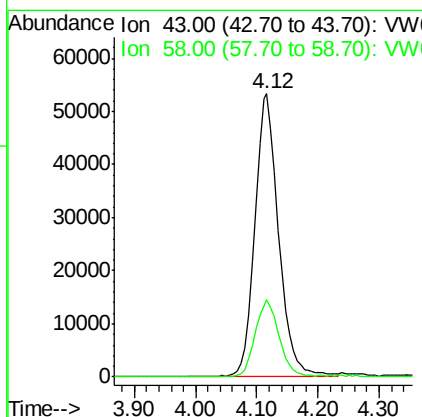
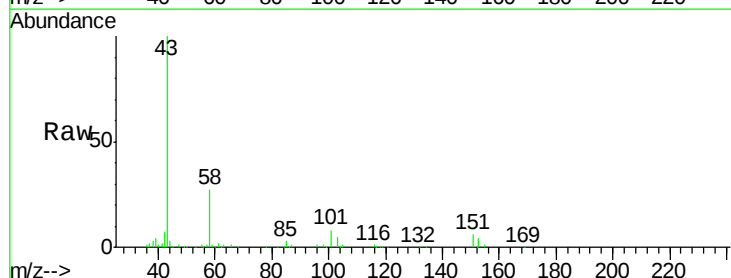
RT: 4.12 min Scan# 363

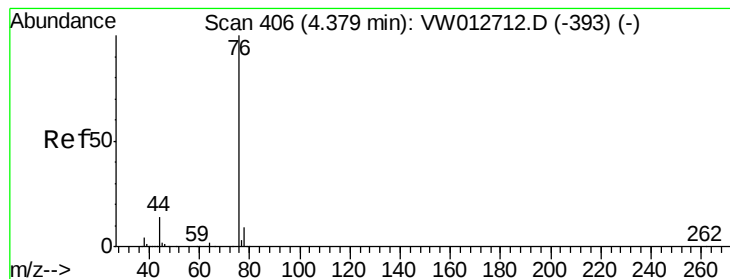
Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Tgt Ion:	43	Resp:	146144
Ion Ratio		Lower	Upper
43	100		
58	27.2	22.6	33.8





#17

Carbon Disulfide

Concen: 47.795 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 161546

Ion Ratio Lower Upper

76 100

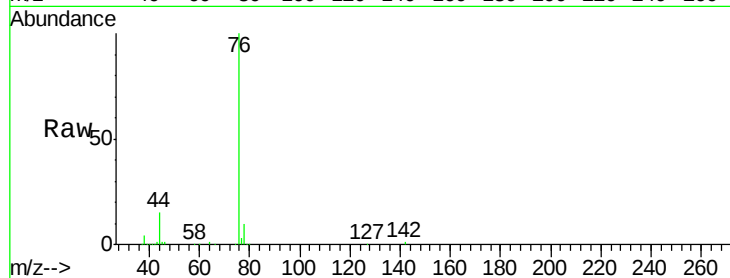
78 9.9 7.2 10.8

Manual Integrations

APPROVED

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9/13/2019 1:32:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

60000

50000

40000

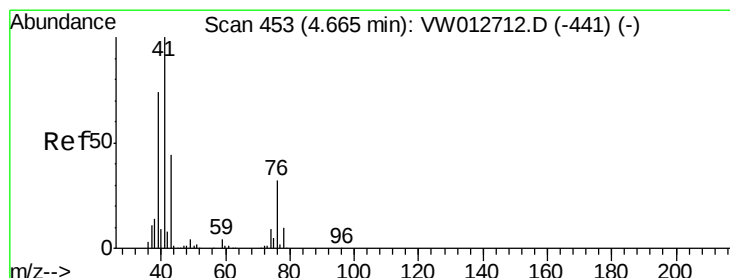
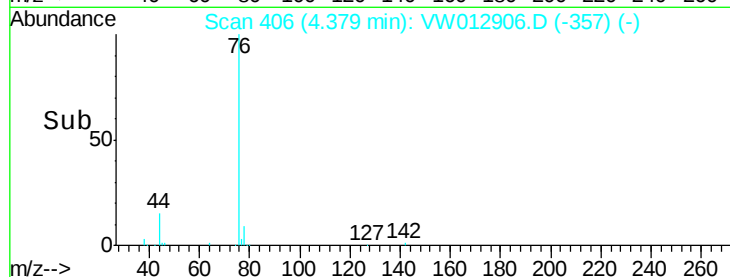
30000

20000

10000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 41.740 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012906.D

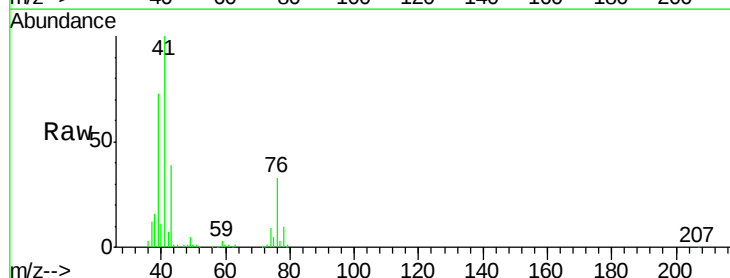
Acq: 11 Sep 2019 10:04

Tgt Ion: 43 Resp: 57517

Ion Ratio Lower Upper

43 100

74 21.4 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

20000

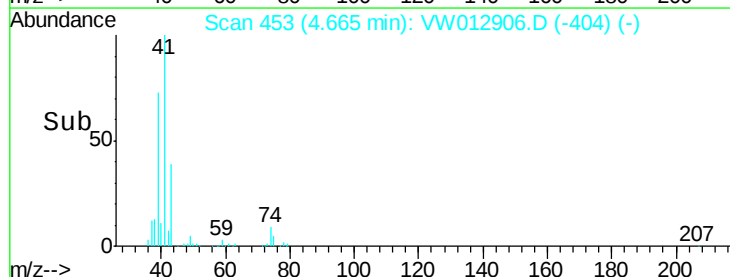
15000

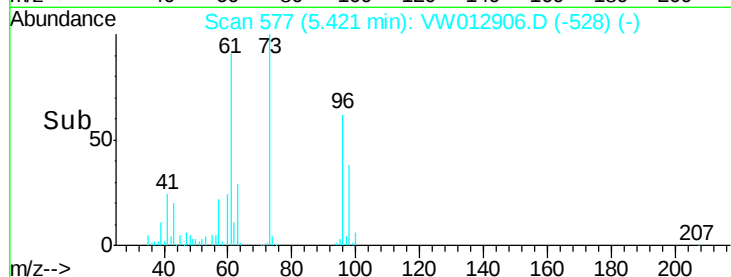
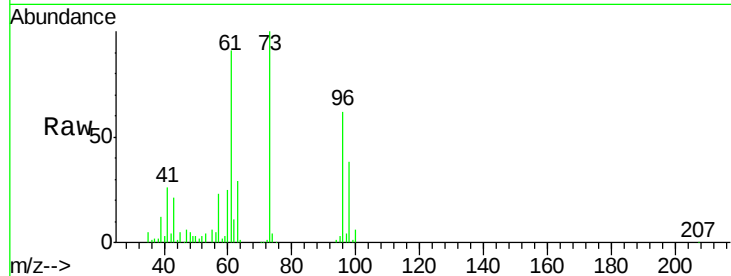
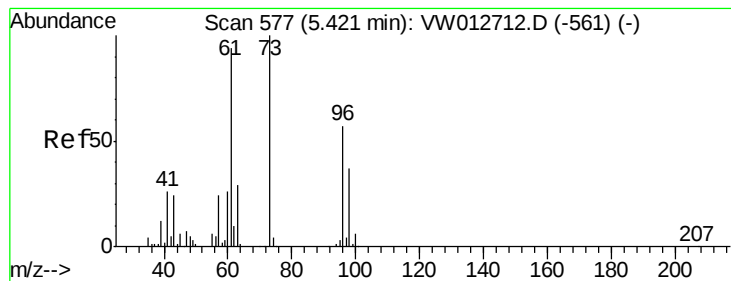
10000

5000

0

Time--> 4.50 4.60 4.70 4.80





#19

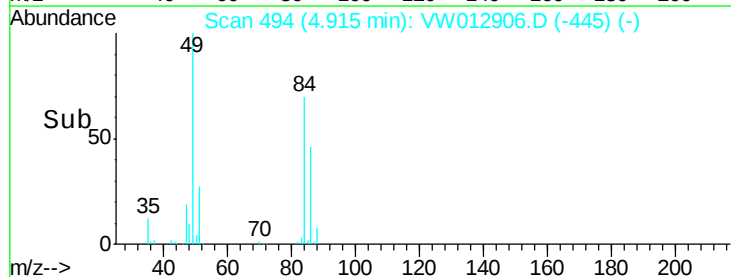
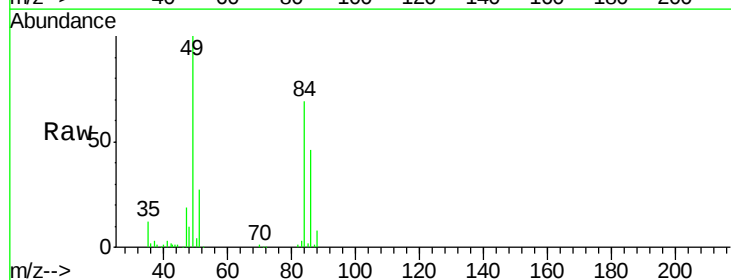
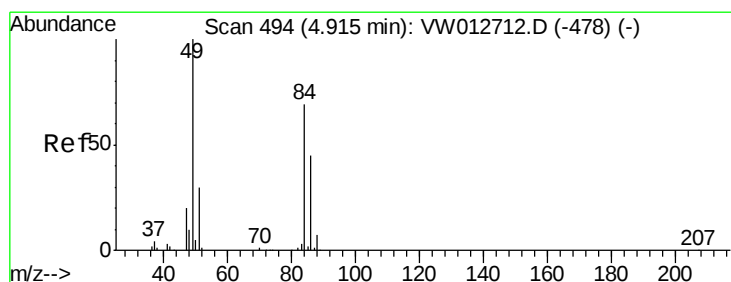
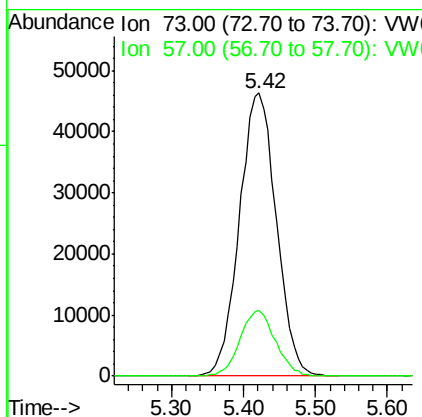
Methyl tert-butyl Ether
Concen: 52.225 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tot Ion	73	Resp	164922
Ion Ratio	Lower	Upper	
73	100		
57	23.1	19.2	28.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

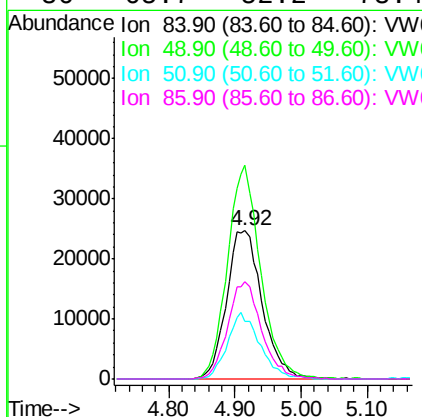
MMDadoda
9/13/2019 1:32:22 AM

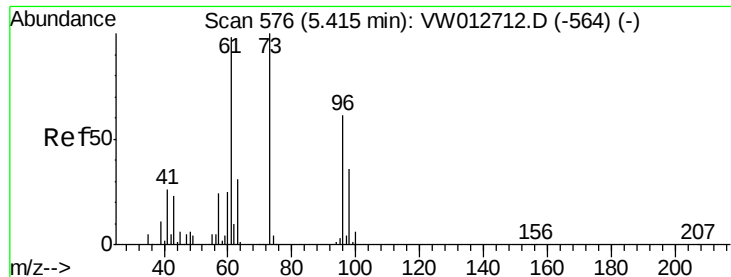


#20

Methylene Chloride
Concen: 50.219 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	84	Resp	92278
Ion Ratio	Lower	Upper	
84	100		
49	144.2	115.4	173.0
51	39.2	34.9	52.3
86	65.7	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 52.202 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

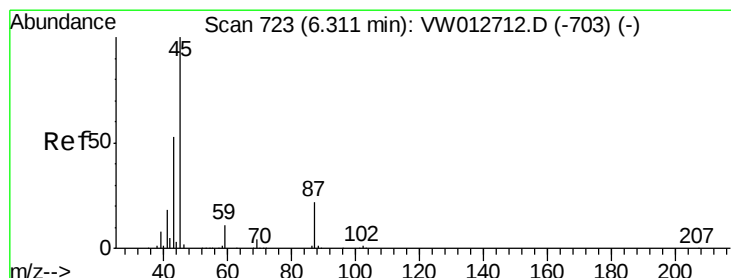
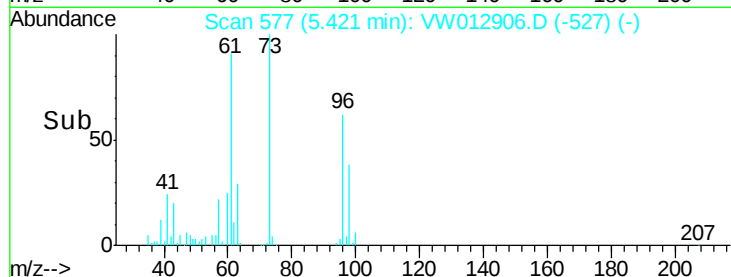
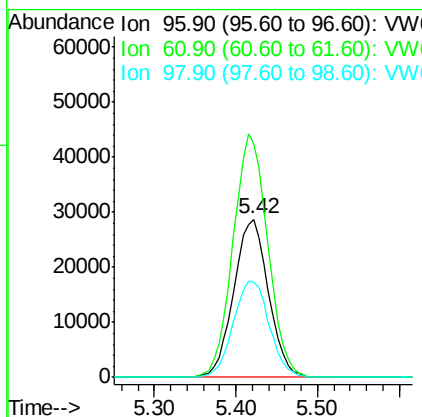
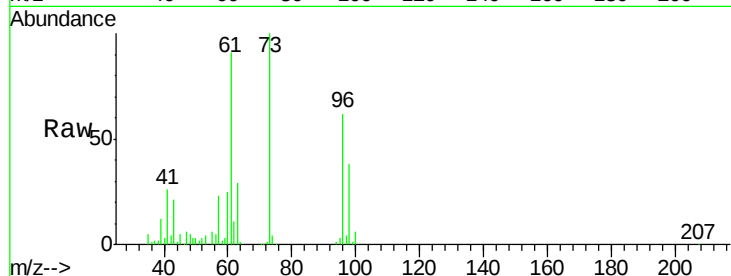
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	84815
Ion	Ratio	Lower	Upper
96	100		
61	147.5	129.2	193.8
98	60.6	48.0	72.0

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:32:22 AM



#22

Diisopropyl ether

Concen: 49.528 ug/l

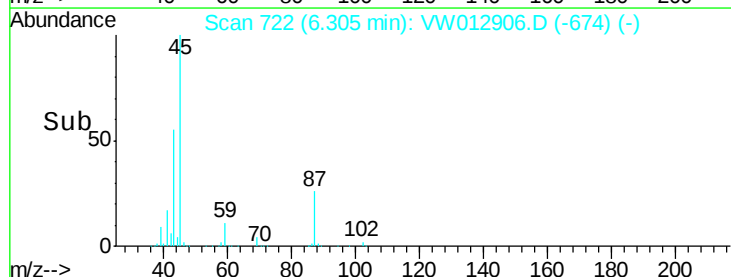
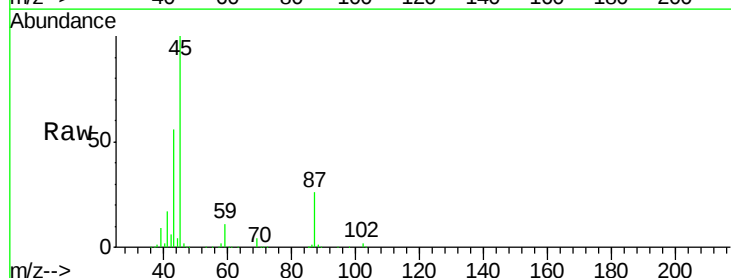
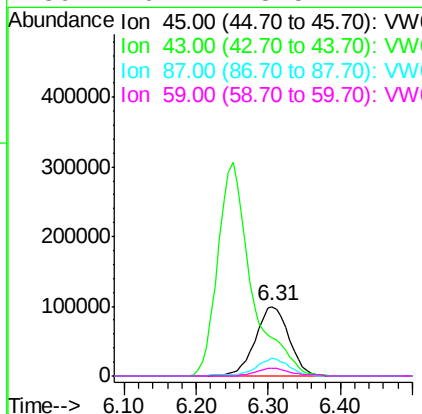
RT: 6.31 min Scan# 722

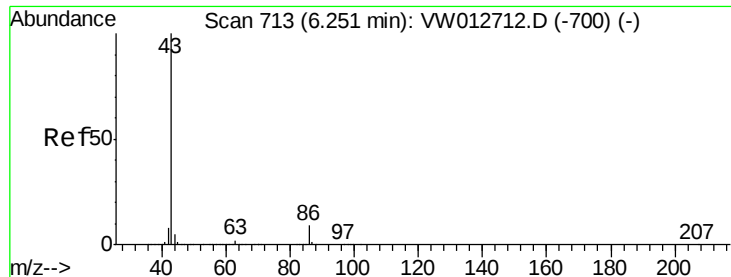
Delta R.T. -0.01 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Tgt Ion:	45	Resp:	323571
Ion	Ratio	Lower	Upper
45	100		
43	54.9	42.3	63.5
87	26.4	18.2	27.2
59	10.7	8.5	12.7





#23

Vinyl Acetate

Concen: 241.078 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 998147

Ion Ratio Lower Upper

43 100

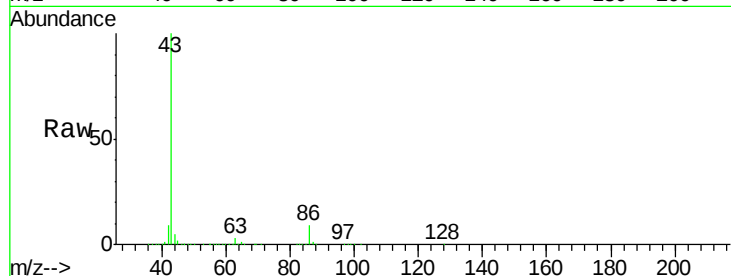
86 9.1 7.0 10.6

Manual Integrations

APPROVED

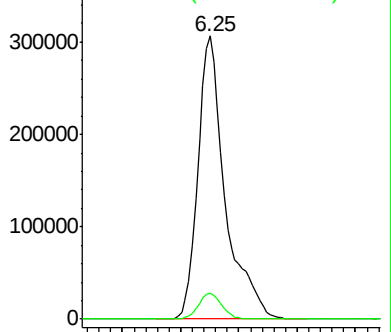
MMDadoda

9/13/2019 1:32:22 AM

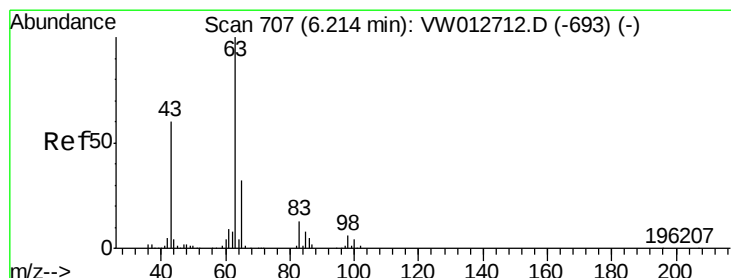
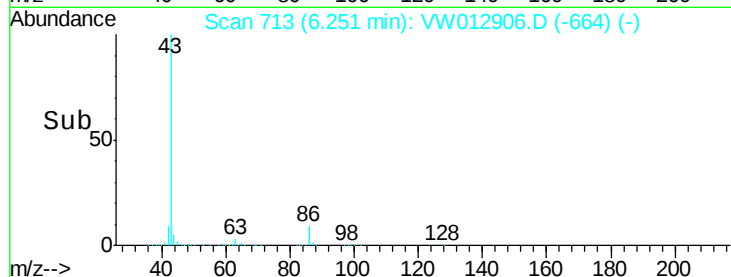


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 51.464 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

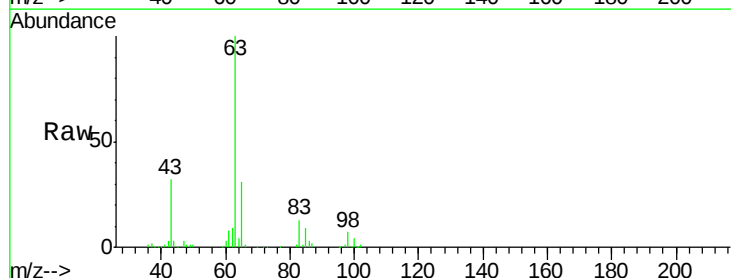
Tgt Ion: 63 Resp: 181034

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.3

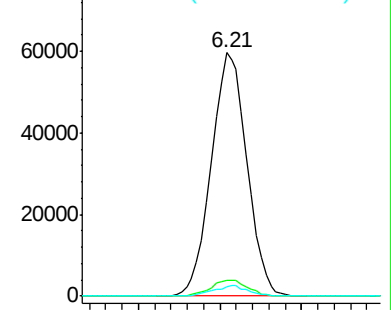
100 3.6 1.8 5.5



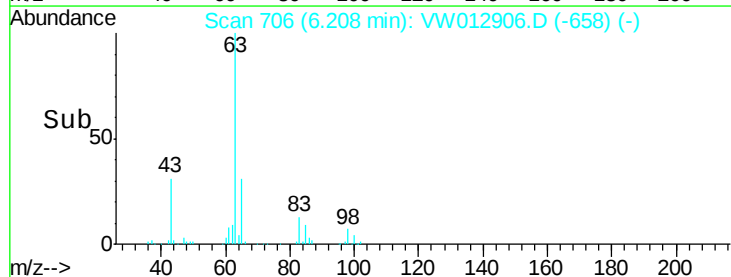
Abundance Ion 62.90 (62.60 to 63.60): VW

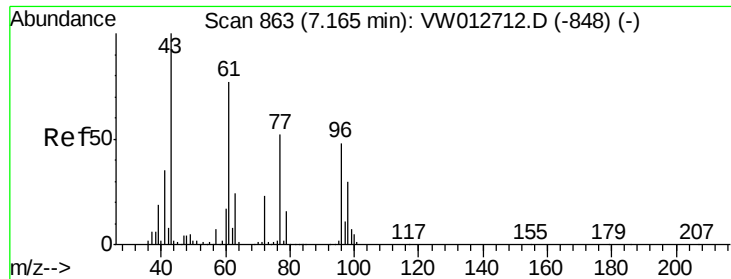
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 213.285 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 181736

Ion Ratio Lower Upper

43 100

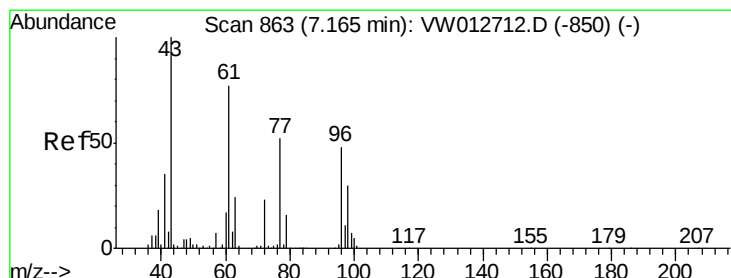
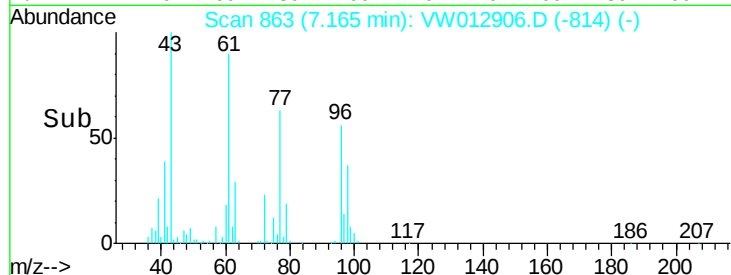
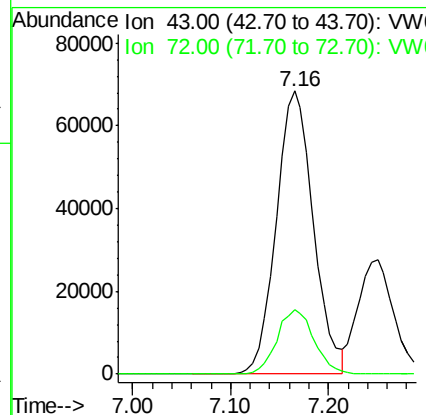
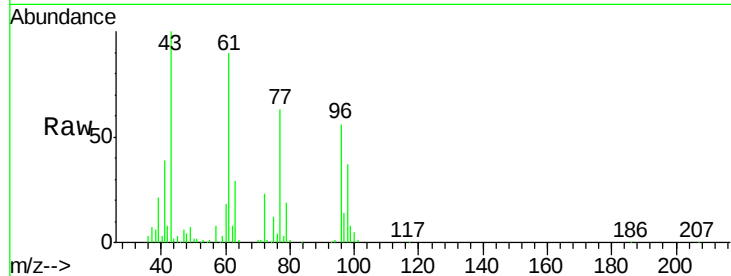
72 23.0 18.0 27.0

Manual Integrations

APPROVED

MMDadoda

9/13/2019 1:32:22 AM



#26

2,2-Dichloropropane

Concen: 55.742 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012906.D

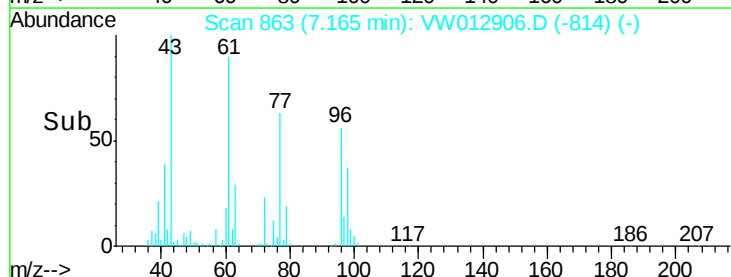
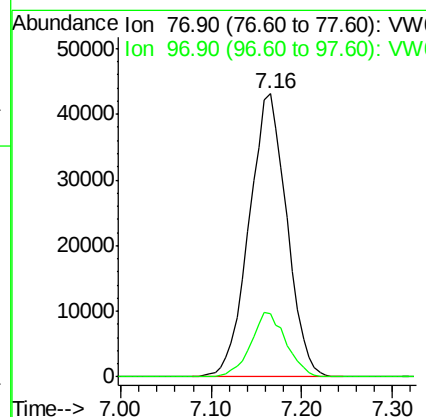
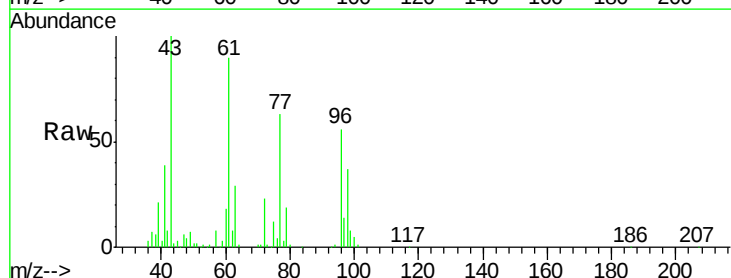
Acq: 11 Sep 2019 10:04

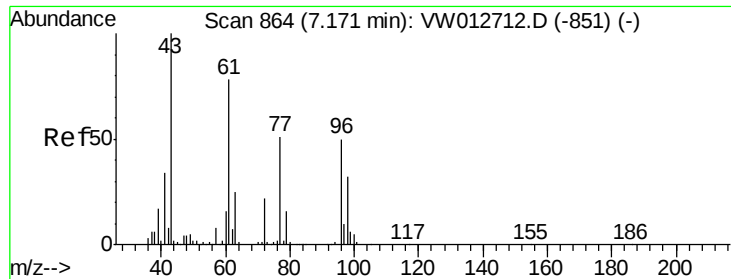
Tgt Ion: 77 Resp: 123845

Ion Ratio Lower Upper

77 100

97 21.3 10.7 32.1





#27

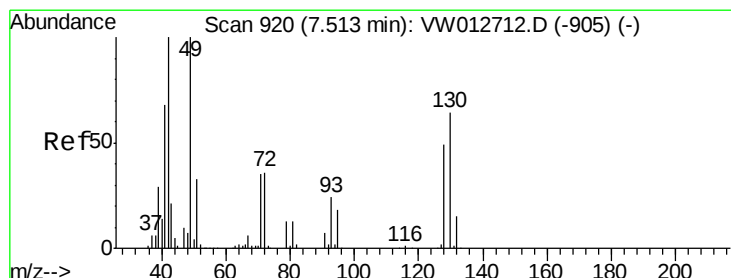
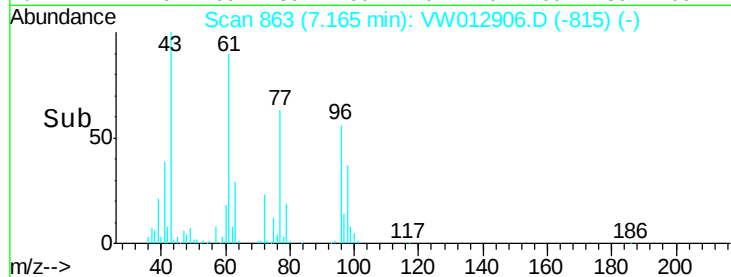
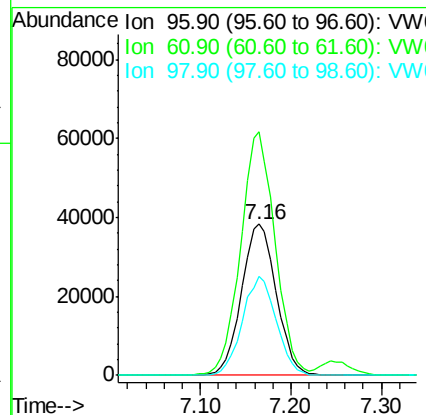
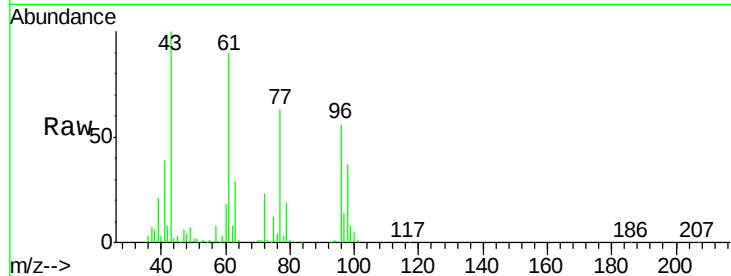
cis-1,2-Dichloroethene
 Concen: 53.840 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.7	0.0	325.8
98	64.0	0.0	127.0

Manual Integrations
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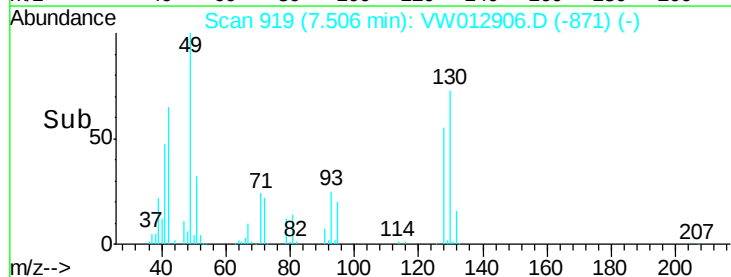
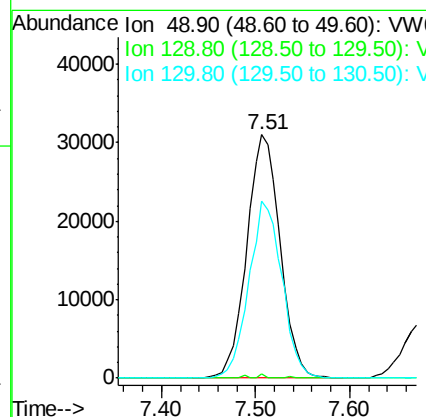
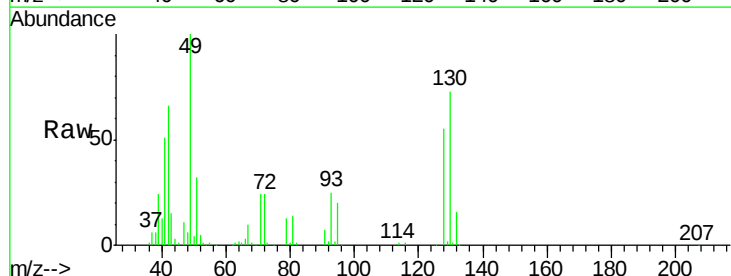
MMDadoda
 9/13/2019 1:32:22 AM

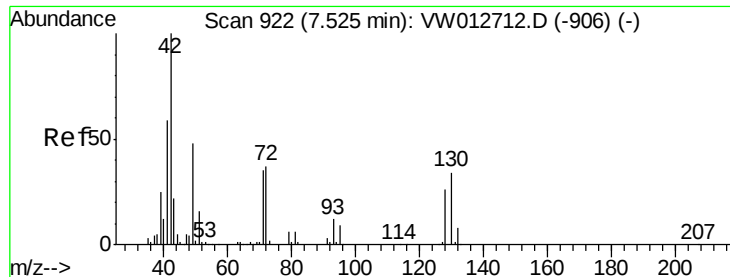


#28

Bromochloromethane
 Concen: 47.662 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	0.8
130	72.0	49.8	74.8





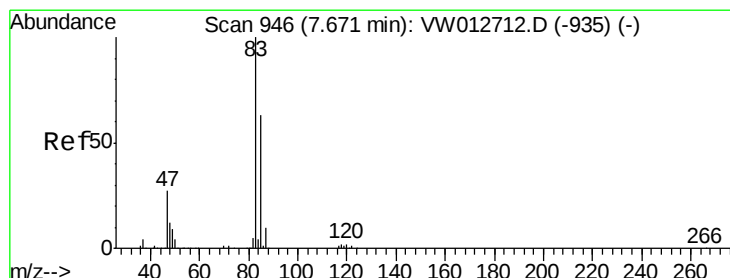
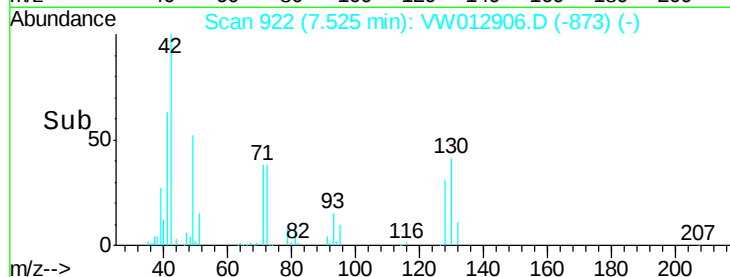
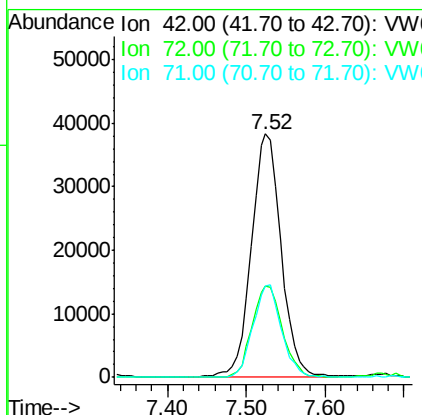
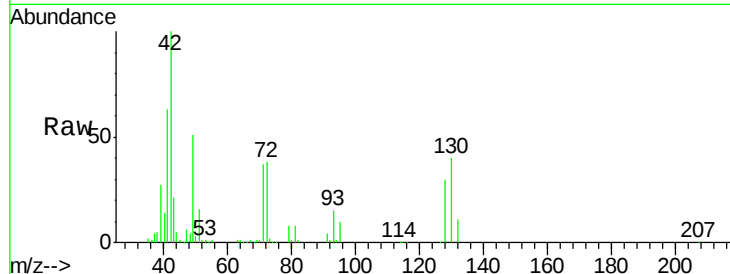
#29
Tetrahydrofuran
Concen: 212.519 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	28.4	42.6
71	36.2	27.1	40.7

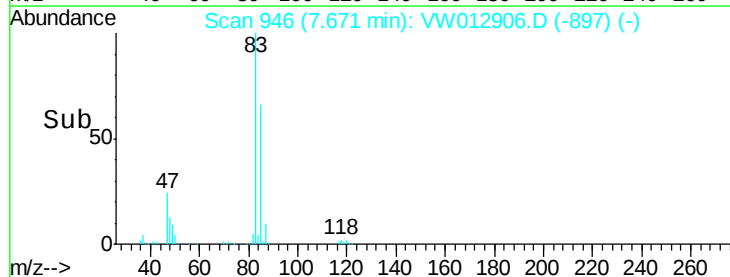
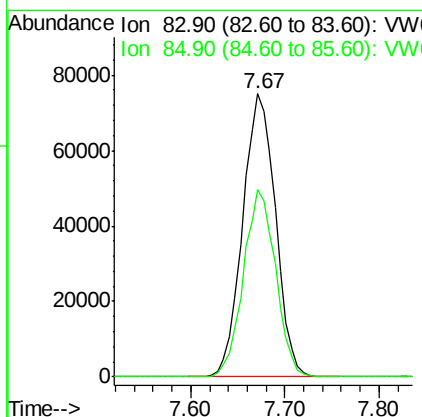
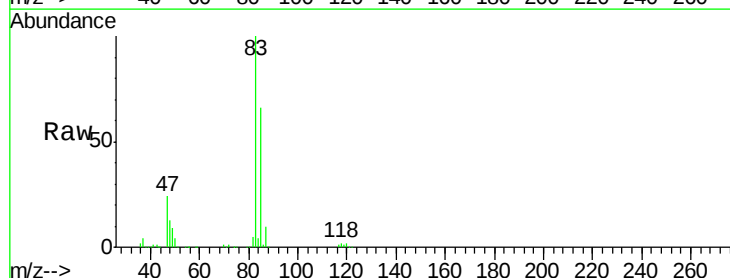
Manual Integrations
APPROVED

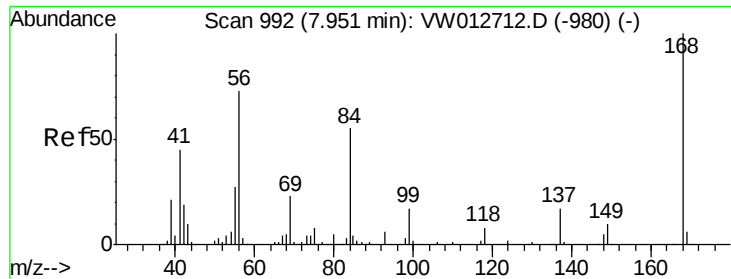
MMDadoda
9/13/2019 1:32:22 AM



#30
Chloroform
Concen: 52.181 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.6	76.0





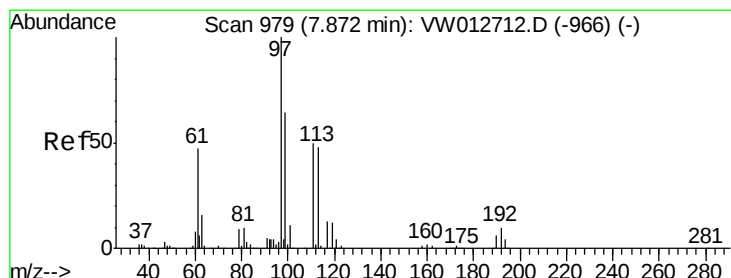
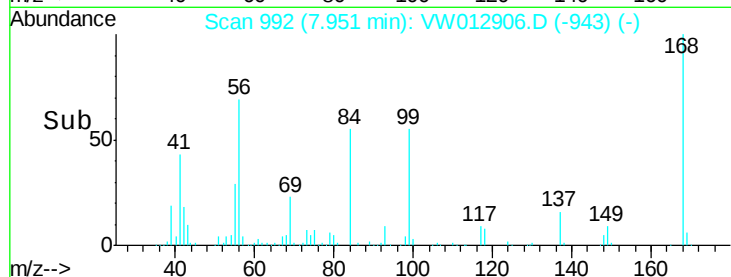
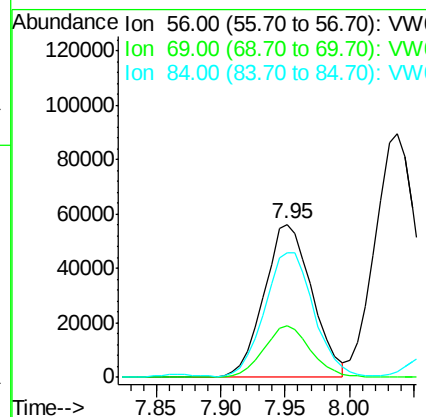
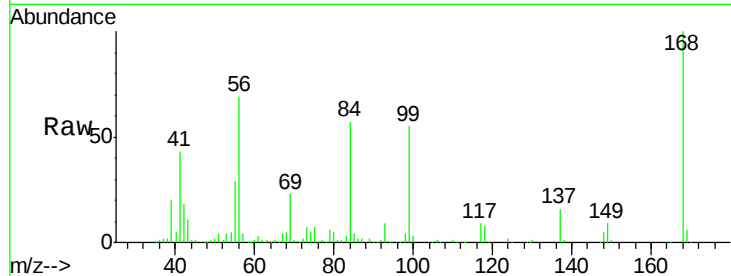
#31
Cyclohexane
Concen: 46.011 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.7	38.5
84	80.5	60.4	90.6

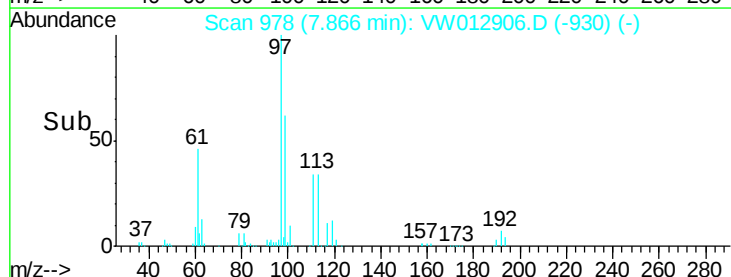
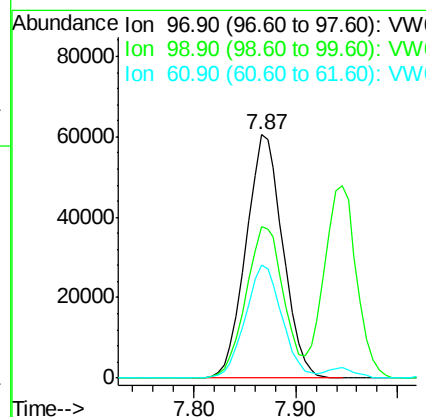
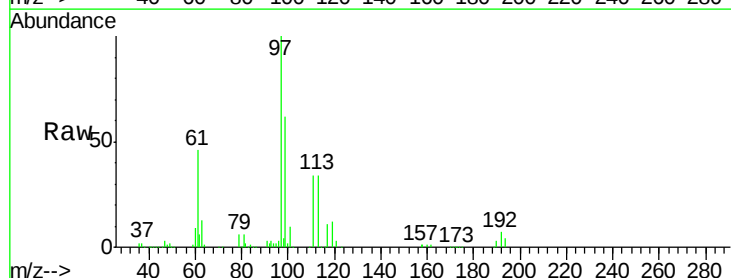
Manual Integrations
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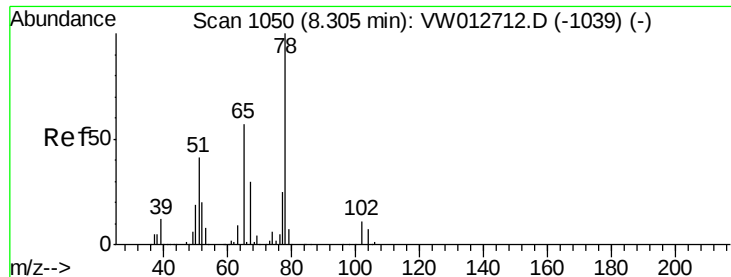
MMDadoda
9/13/2019 1:32:22 AM



#32
1,1,1-Trichloroethane
Concen: 53.849 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	46.2	37.9	56.9





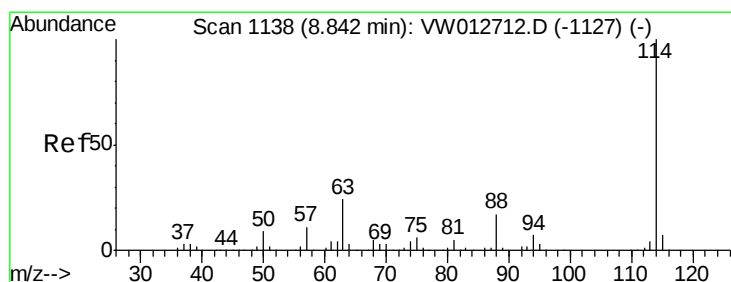
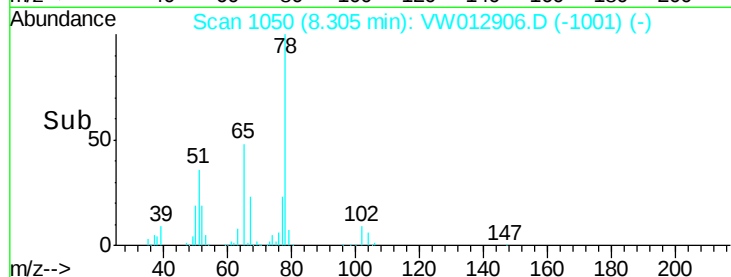
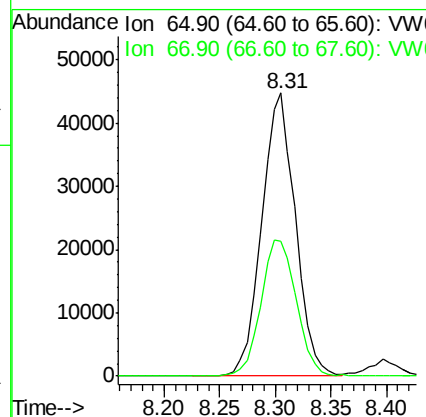
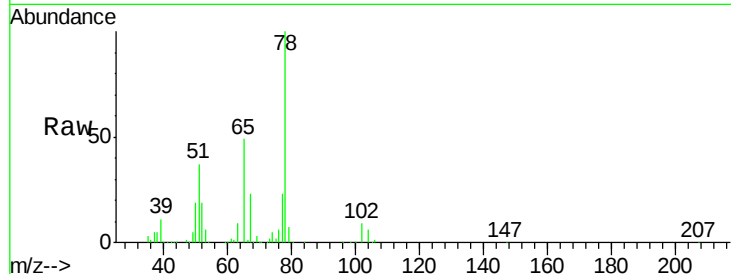
#33
 1,2-Dichloroethane-d4
 Concen: 43.770 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	94298		
67	50.5		0.0	101.8

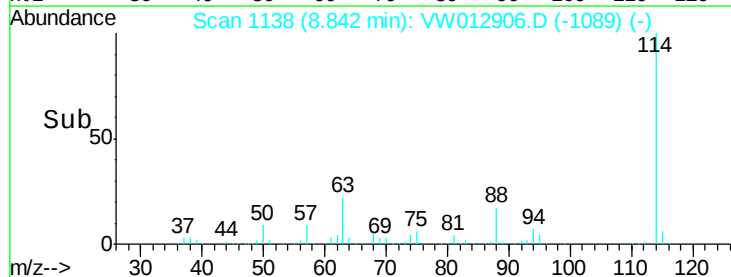
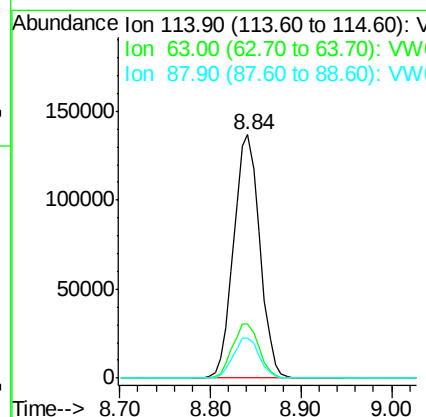
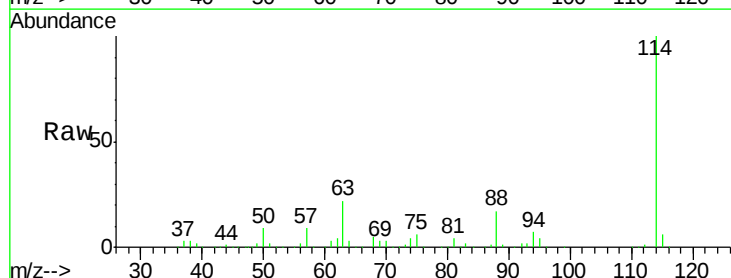
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	273282		
63	22.4		0.0	47.2
88	16.5		0.0	34.0





#35

Dibromofluoromethane

Concen: 48.239 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

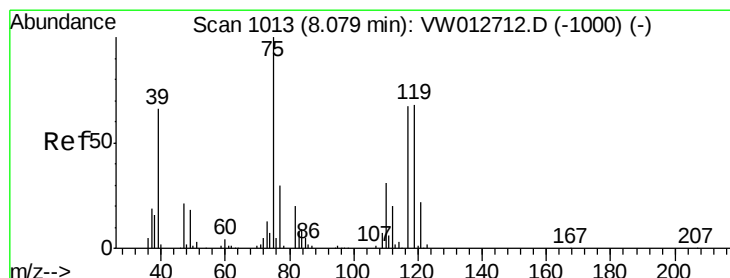
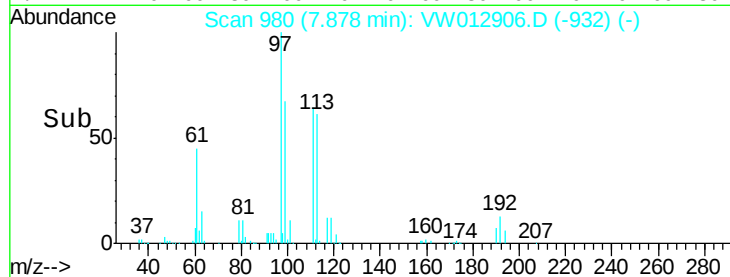
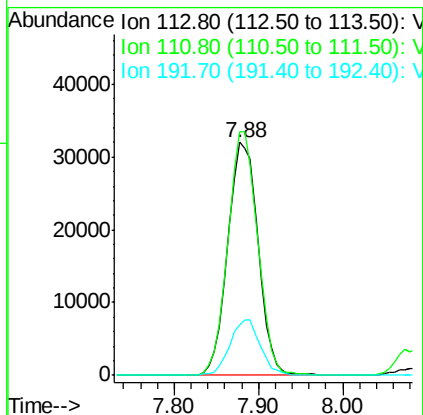
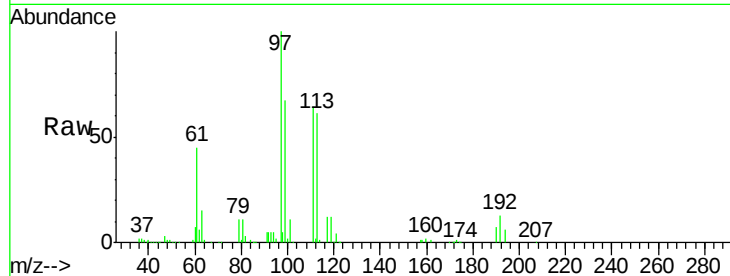
ClientSampleId :

VSTDCCC050

Tot Ion:113	Resp:	78376
Ion Ratio	Lower	Upper
113 100		
111 102.6	80.2	120.4
192 23.4	17.3	25.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 55.324 ug/l

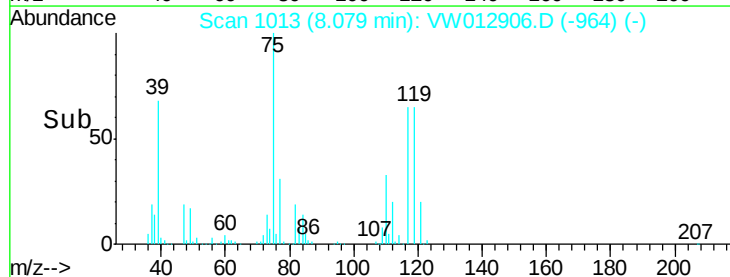
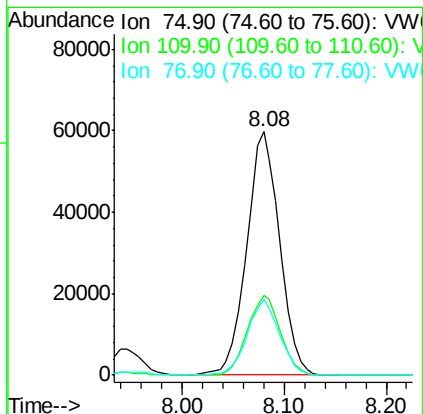
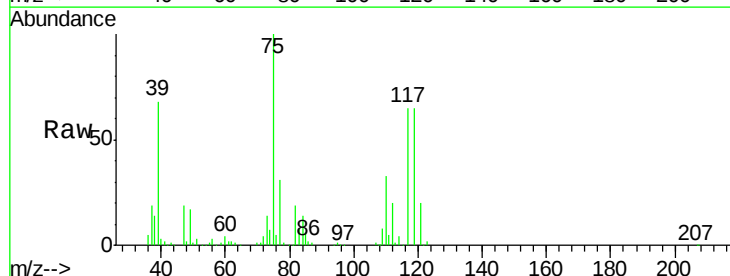
RT: 8.08 min Scan# 1013

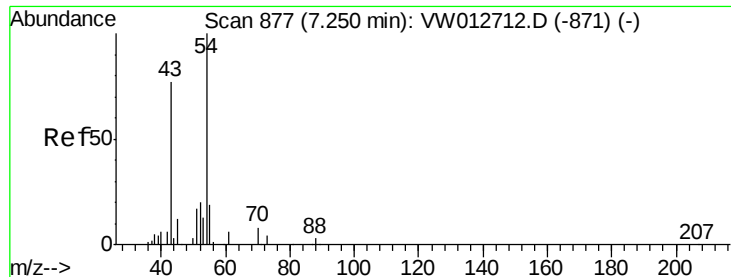
Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Tgt Ion: 75	Resp:	134337
Ion Ratio	Lower	Upper
75 100		
110 32.6	15.9	47.7
77 30.5	25.0	37.4





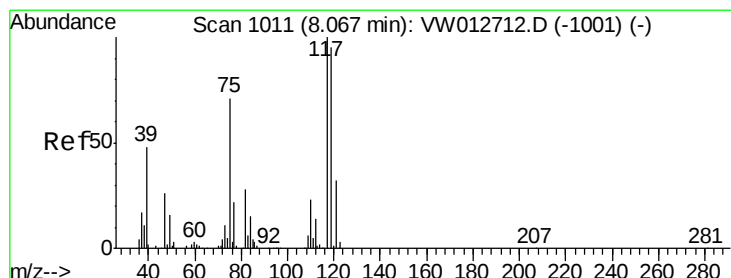
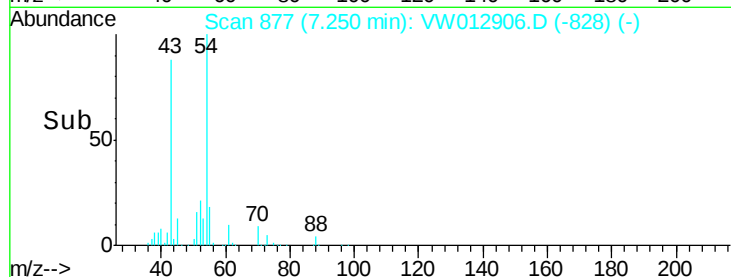
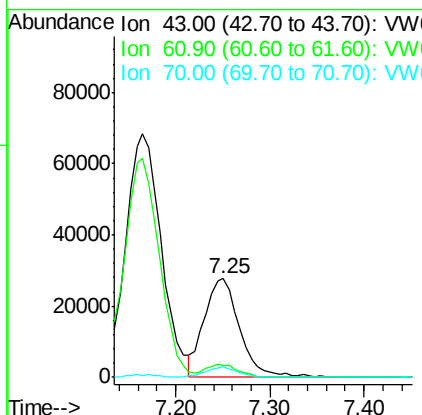
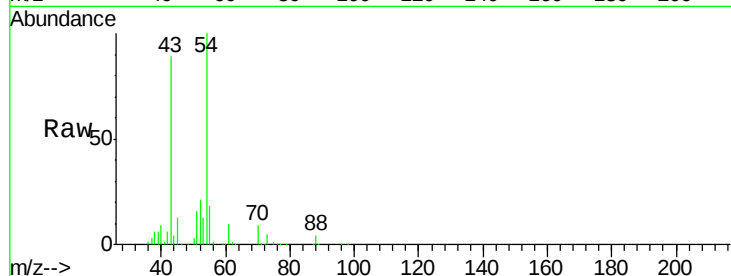
#37
Ethyl Acetate
Concen: 46.257 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.5	14.3
70	9.7	7.0	10.6

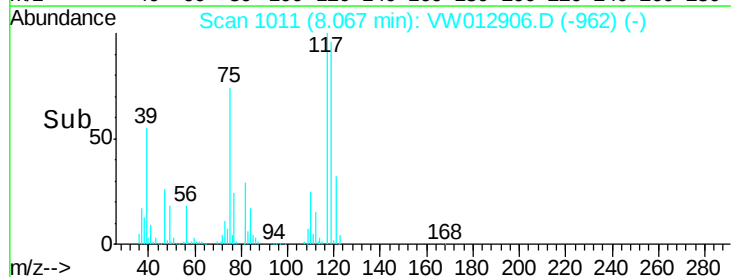
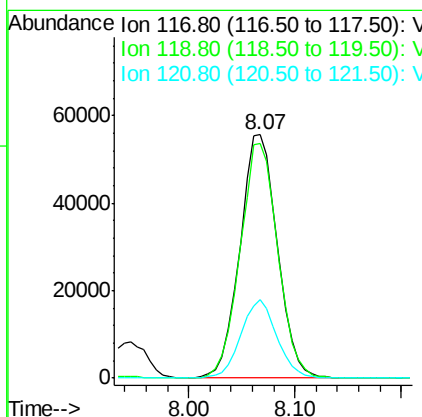
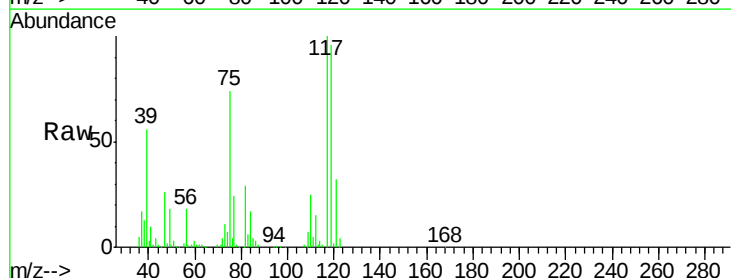
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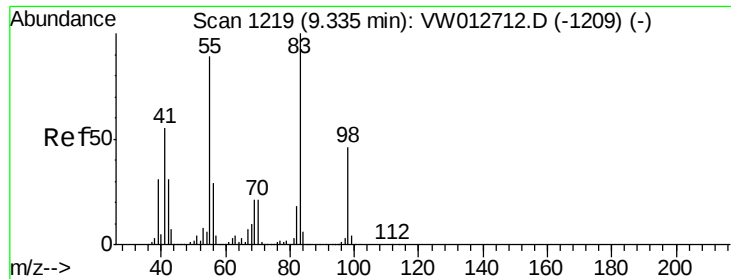
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#38
Carbon Tetrachloride
Concen: 57.387 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.2	114.2
121	32.2	25.4	38.2





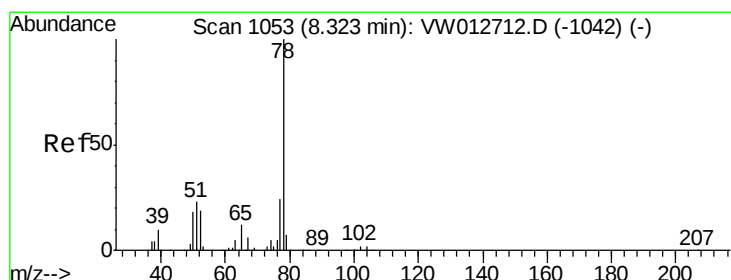
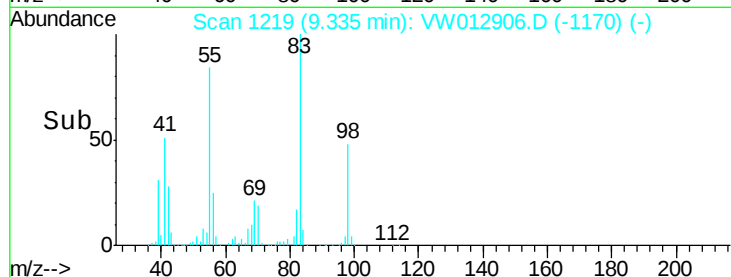
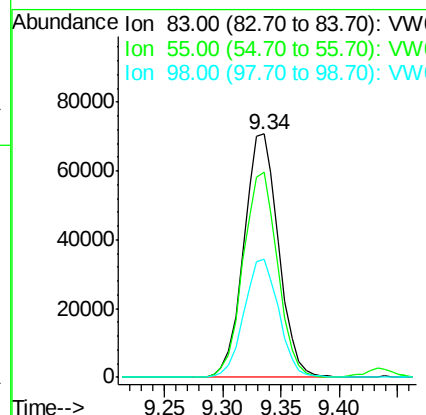
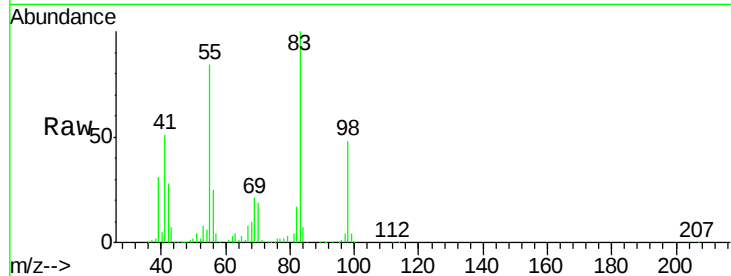
#39
Methvlcvclohexane
Concen: 53.837 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.1	71.0	106.4
98	48.4	36.9	55.3

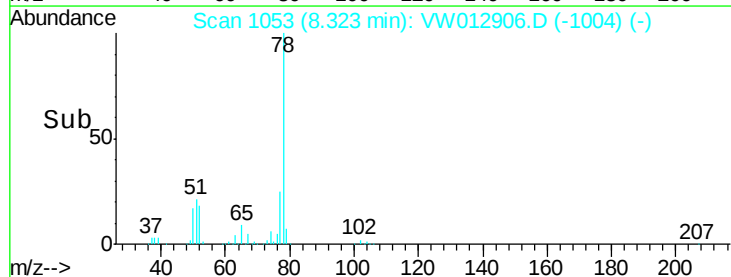
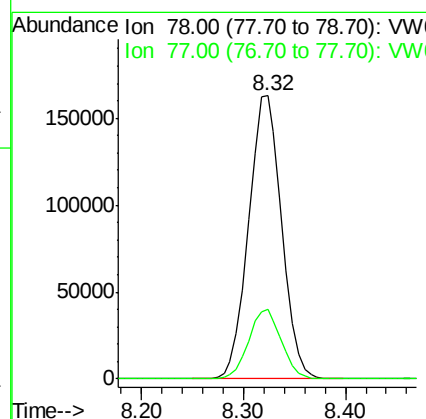
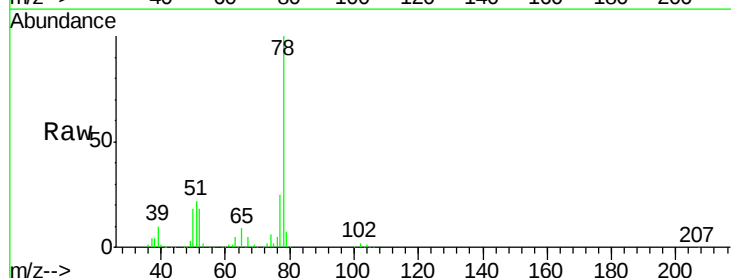
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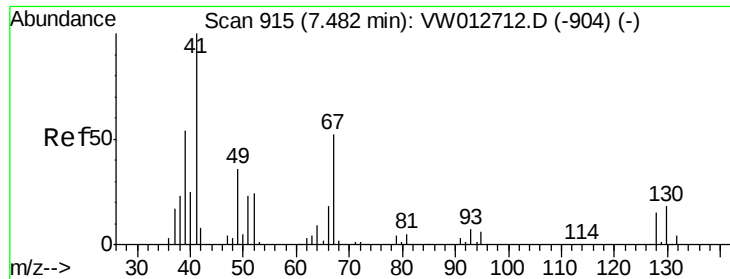
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#40
Benzene
Concen: 54.462 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.3	28.9





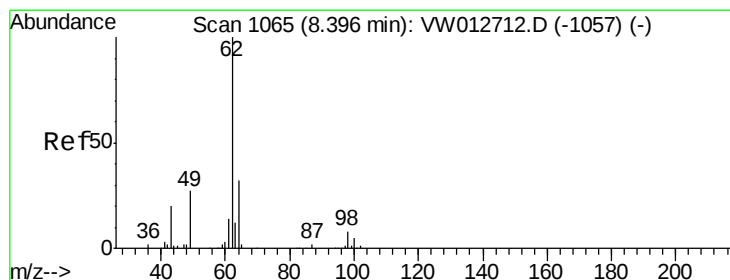
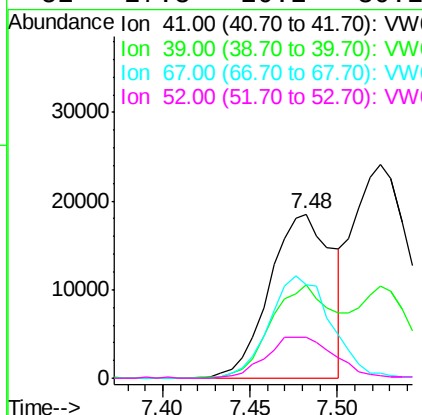
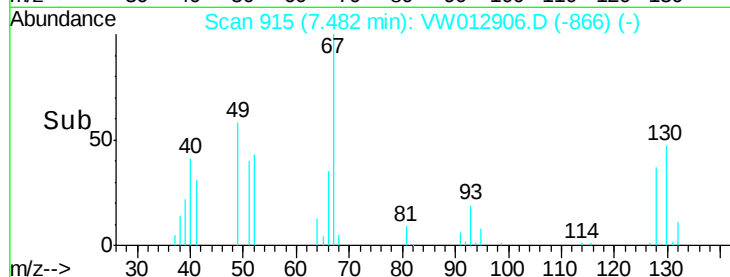
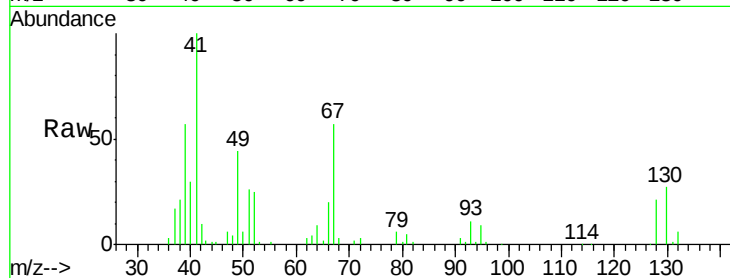
#41
Methacrylonitrile
Concen: 44.614 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00	100		
39	39.00	54.8	47.5	71.3
67	67.00	61.5	45.1	67.7
52	52.00	27.8	20.2	30.2

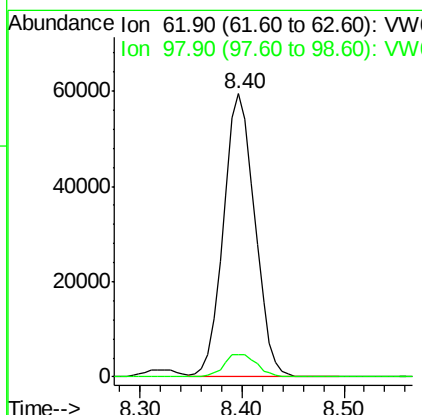
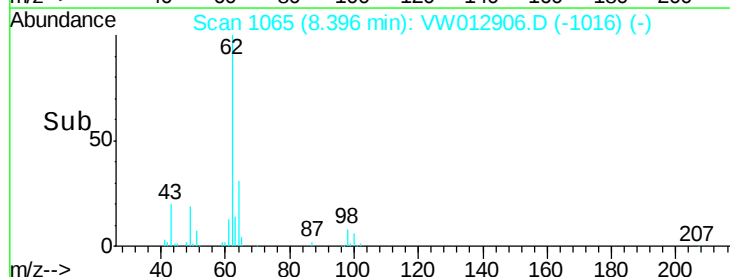
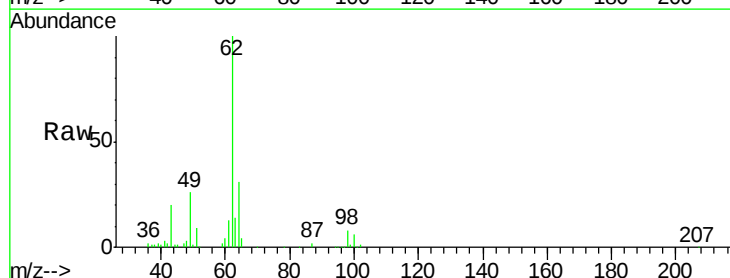
Manual Integrations
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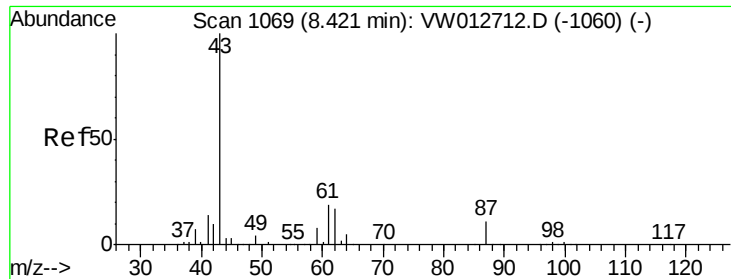
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.407 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00	100		
98	98.00	8.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 48.133 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

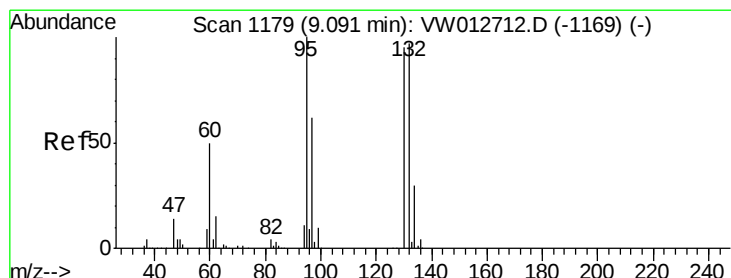
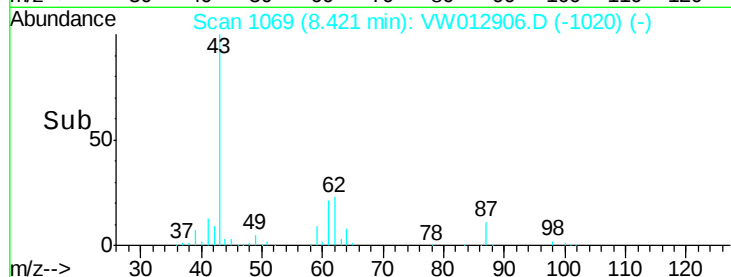
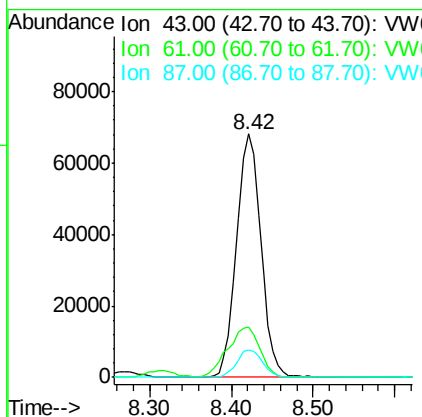
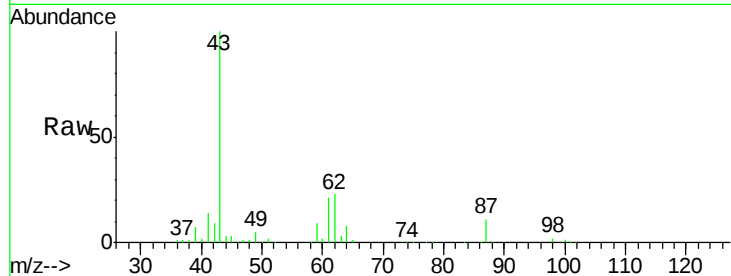
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	141154
Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.6	30.8
87	11.7	8.6	13.0

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#44

Trichloroethene

Concen: 57.568 ug/l

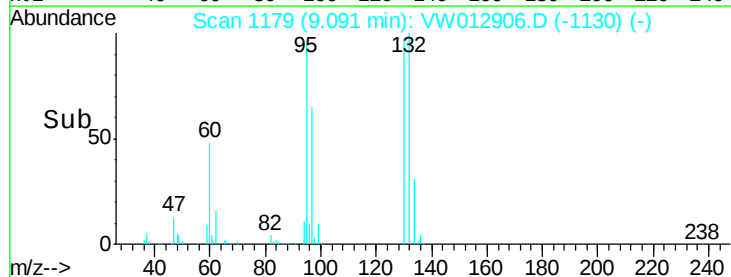
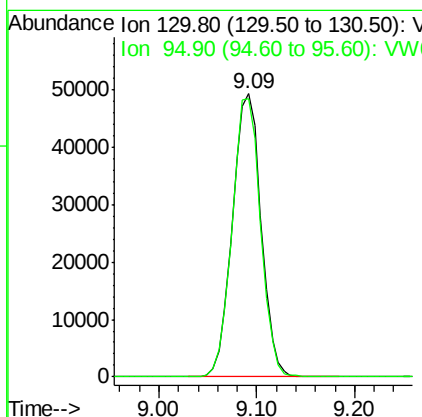
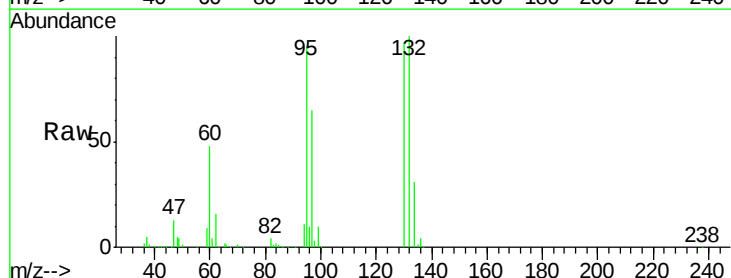
RT: 9.09 min Scan# 1179

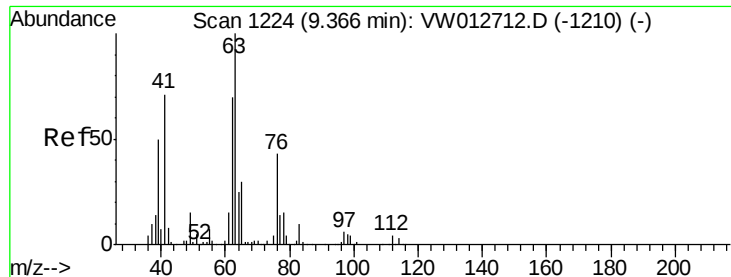
Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Tgt Ion:	130	Resp:	99972
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	210.6





#45

1,2-Dichloropropane

Concen: 52.397 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 97905

Ion Ratio Lower Upper

63 100

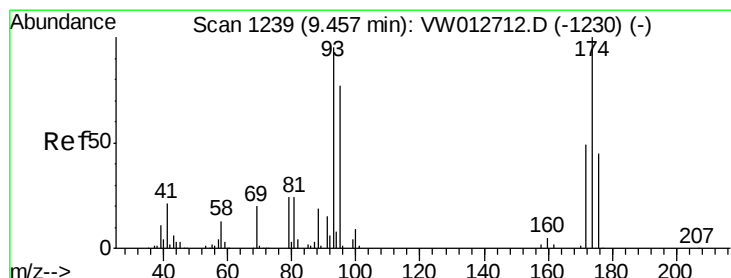
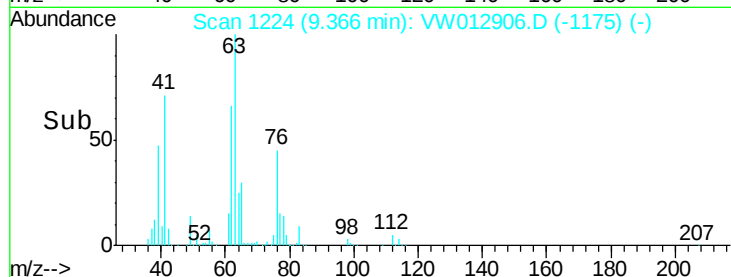
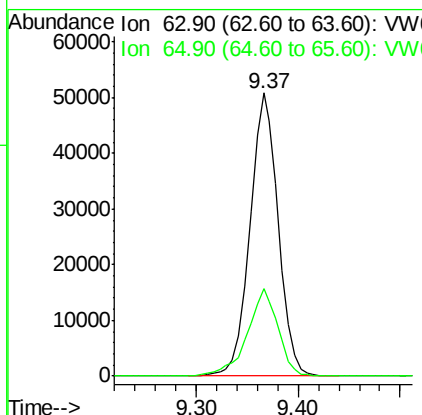
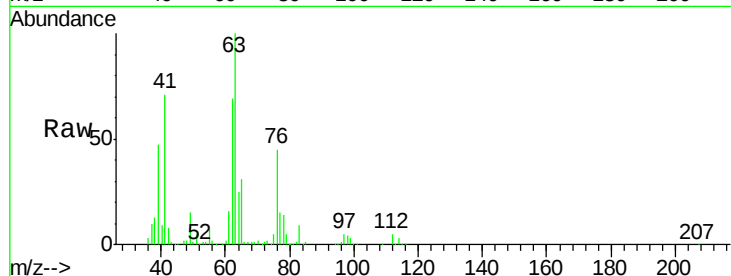
65 30.7 23.8 35.8

Manual Integrations

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MMDadoda

9/13/2019 1:32:22 AM



#46

Dibromomethane

Concen: 54.063 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

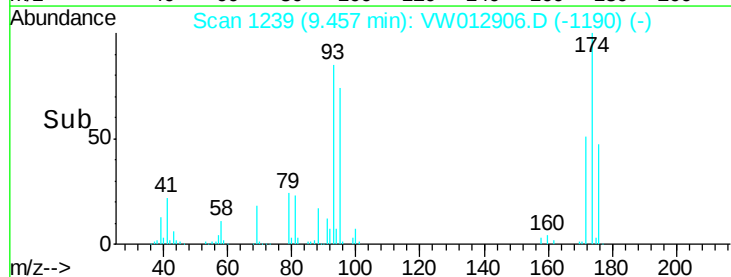
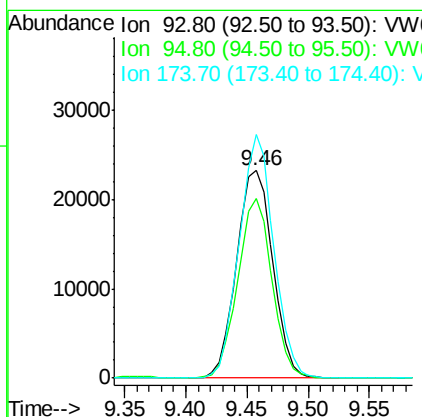
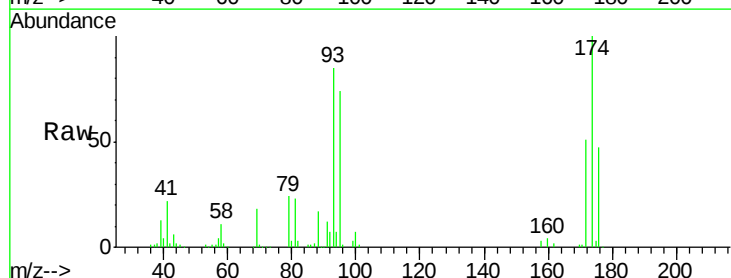
Tgt Ion: 93 Resp: 47836

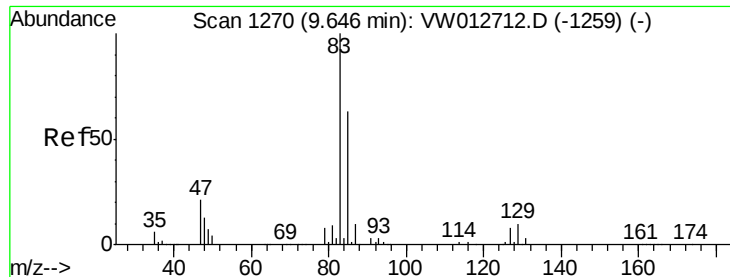
Ion Ratio Lower Upper

93 100

95 81.6 65.2 97.8

174 112.0 84.2 126.4





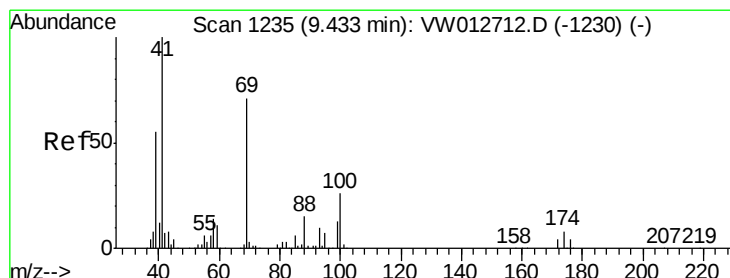
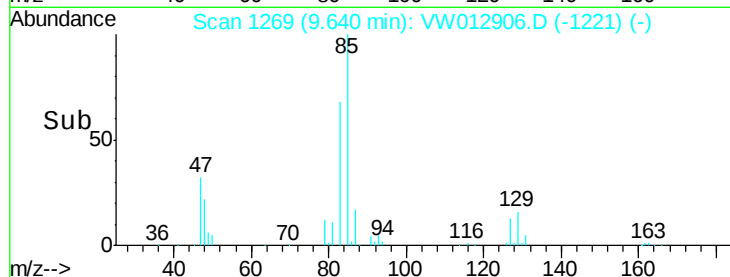
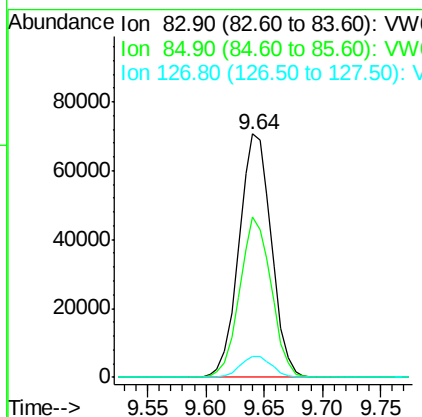
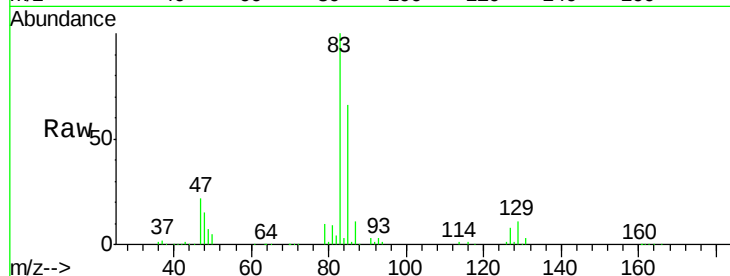
#47
Bromodichloromethane
Concen: 56.158 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	136708		
85	65.6	50.2	75.2	
127	8.4	6.6	9.8	

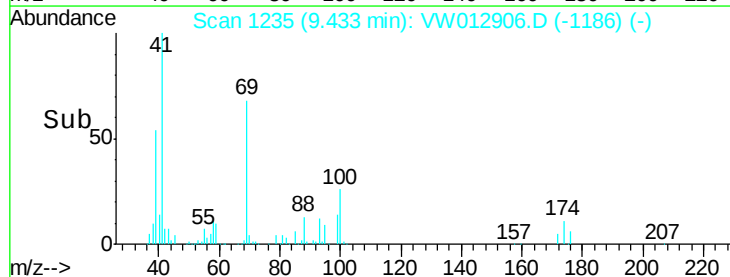
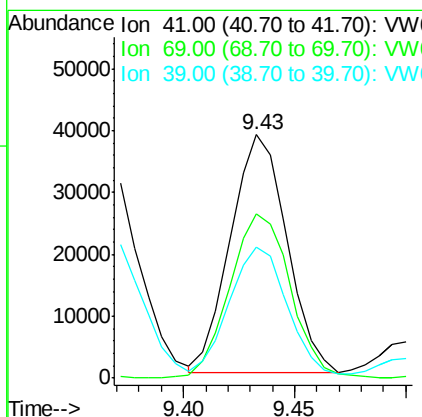
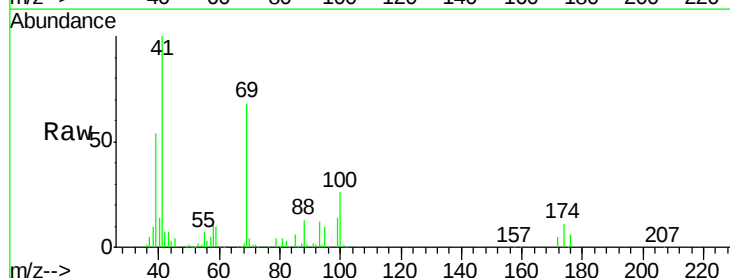
Manual Integrations
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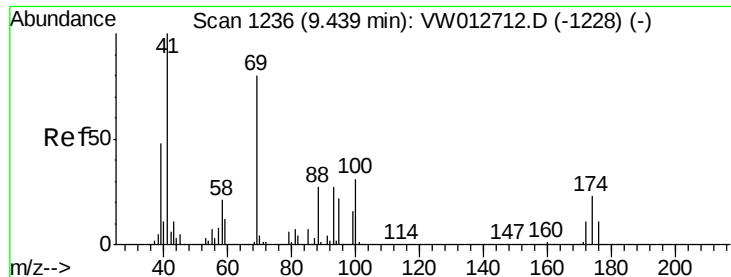
MMDadoda
9/13/2019 1:32:22 AM



#48
Methyl methacrylate
Concen: 48.180 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	67523		
69	75.0	59.8	89.8	
39	57.5	47.0	70.6	





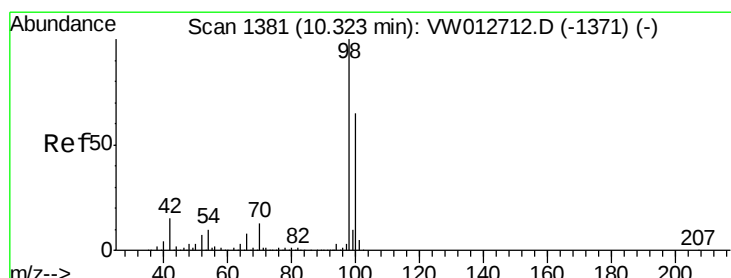
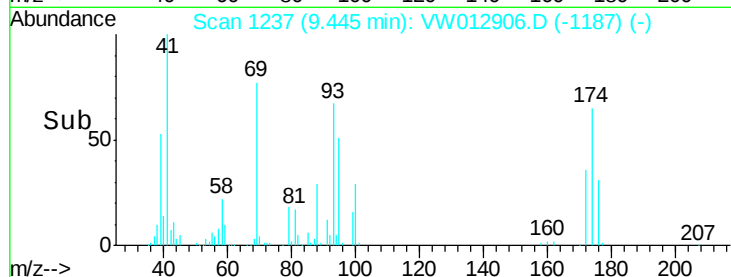
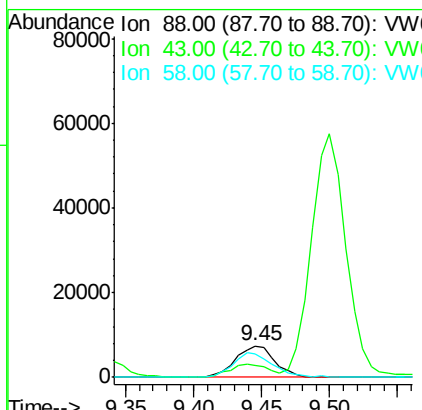
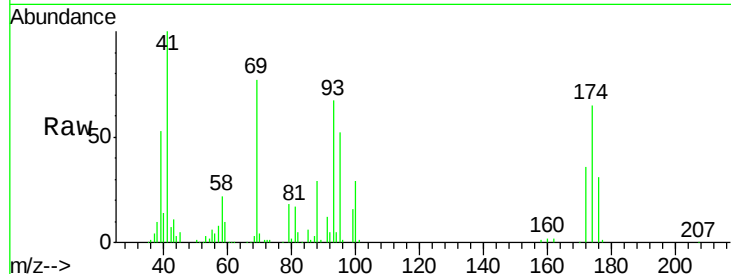
#49
 1,4-Dioxane
 Concen: 853.483 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	14917		
43	41.6	34.8	52.2	
58	83.2	64.1	96.1	

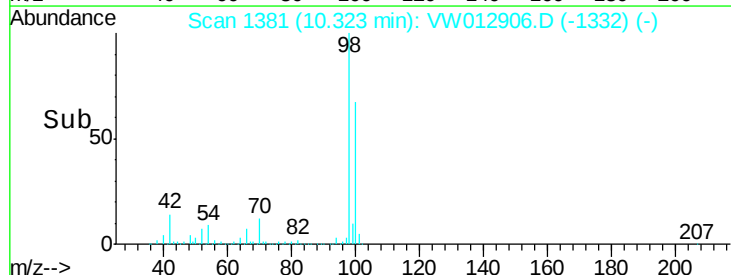
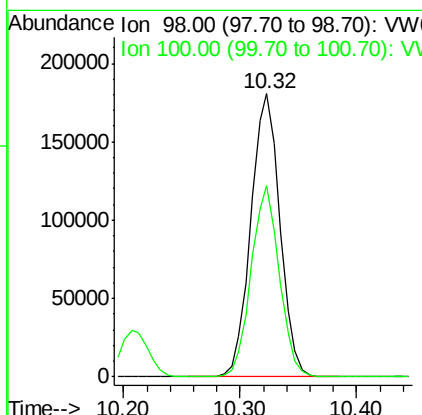
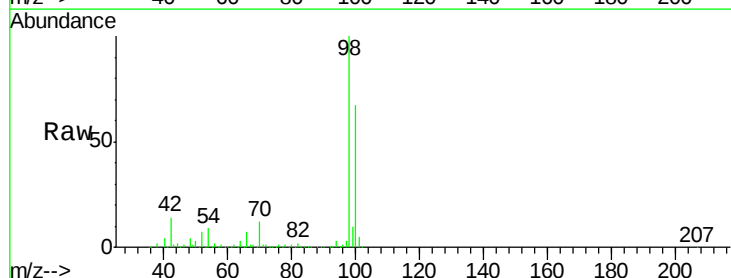
Manual Integrations
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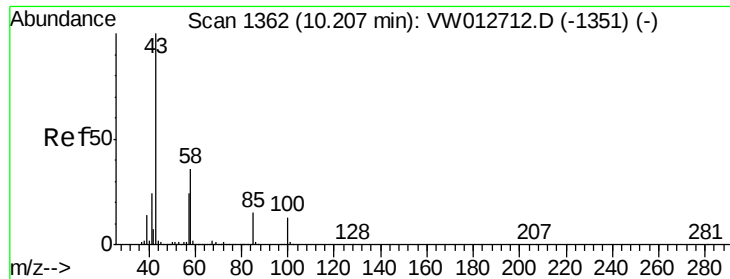
MMDadoda
 9/13/2019 1:32:22 AM



#50
 Toluene-d8
 Concen: 49.429 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	314631		
100	65.3	52.2	78.4	





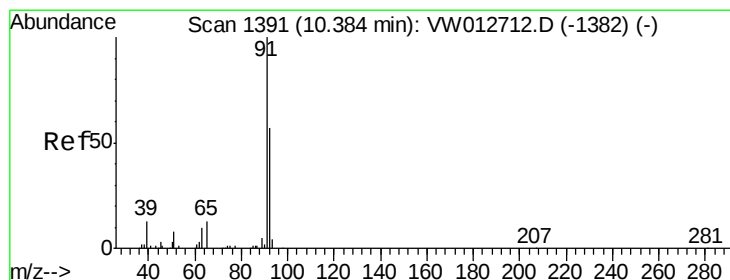
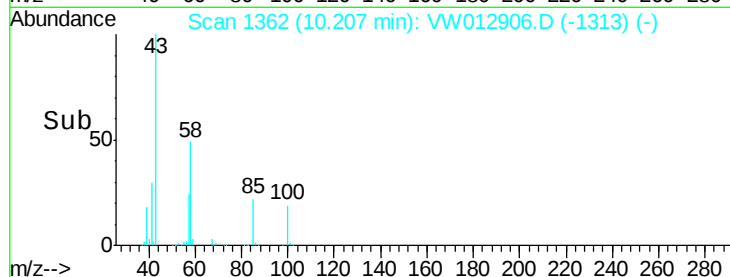
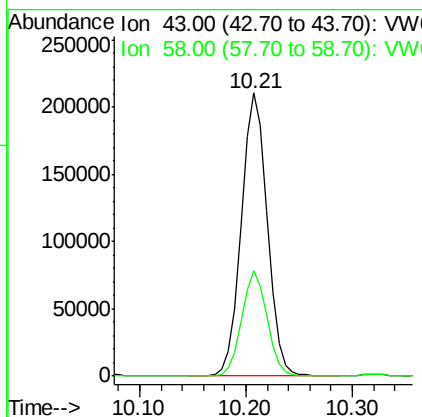
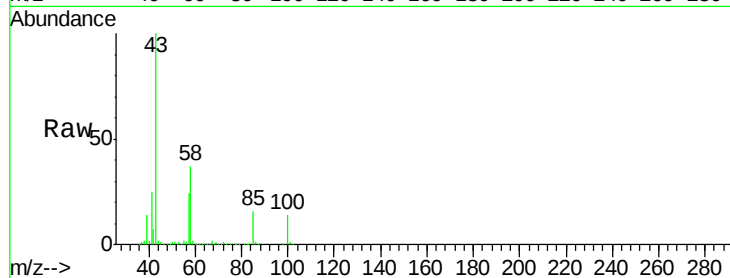
#51
4-Methyl-2-Pentanone
Concen: 234.717 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	28.4	42.6

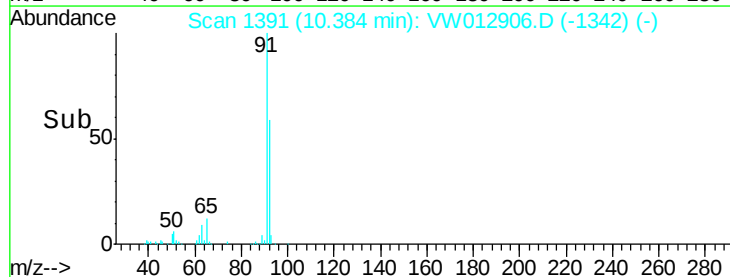
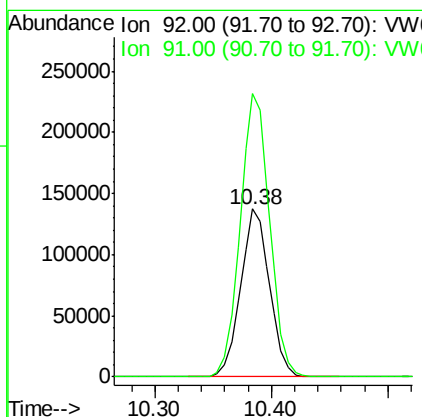
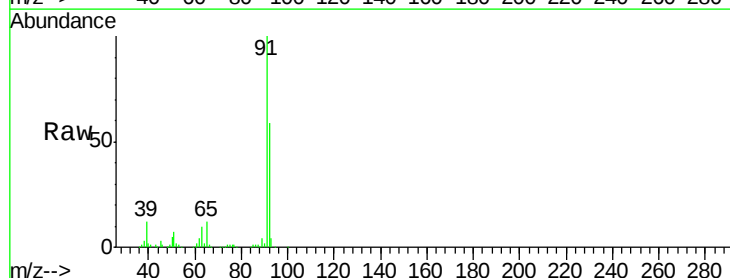
Manual Integrations
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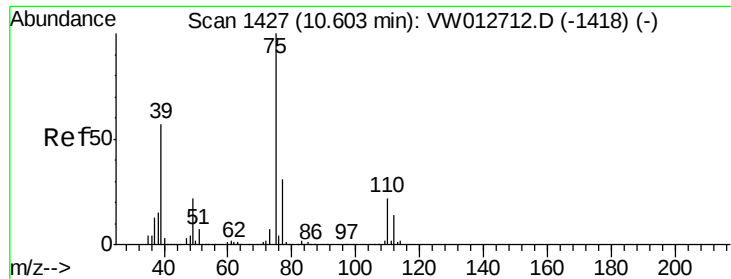
MMDadoda
9/13/2019 1:32:22 AM



#52
Toluene
Concen: 56.301 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.0	205.4





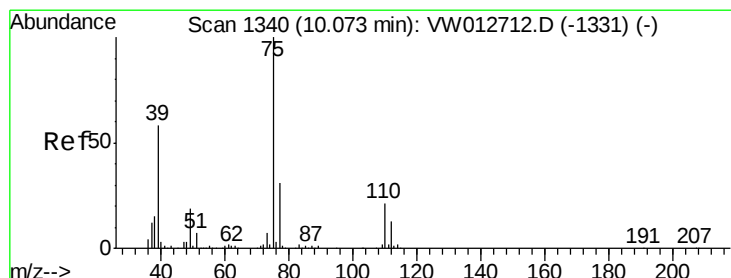
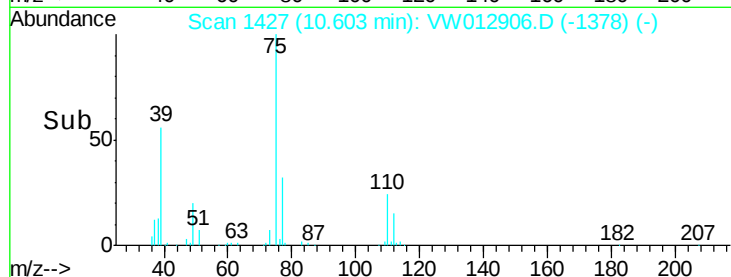
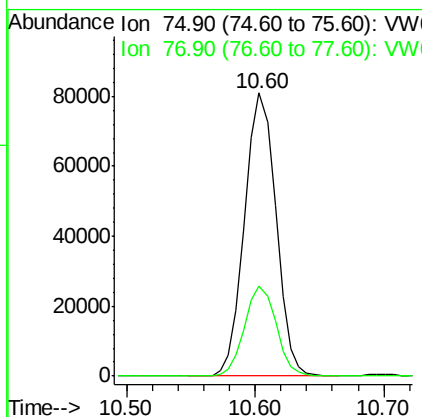
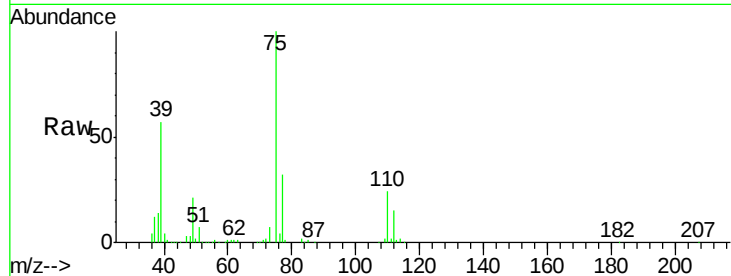
#53
t-1,3-Dichloropropene
Concen: 54.638 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 136769
Ion Ratio Lower Upper
75 100
77 31.5 24.7 37.1

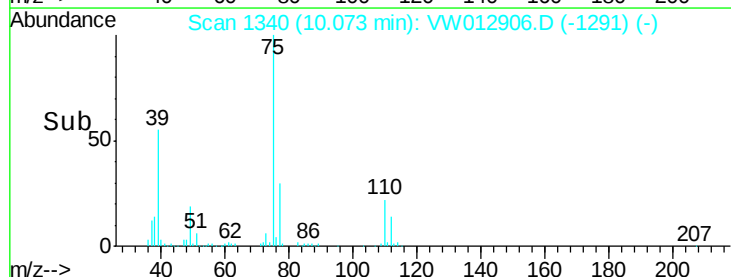
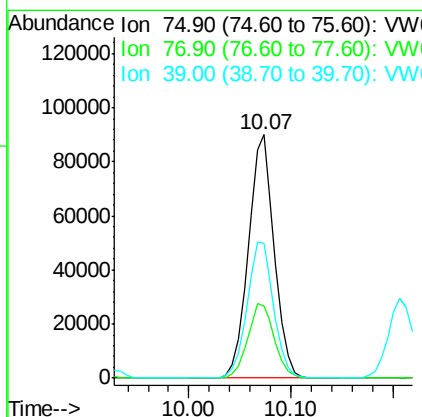
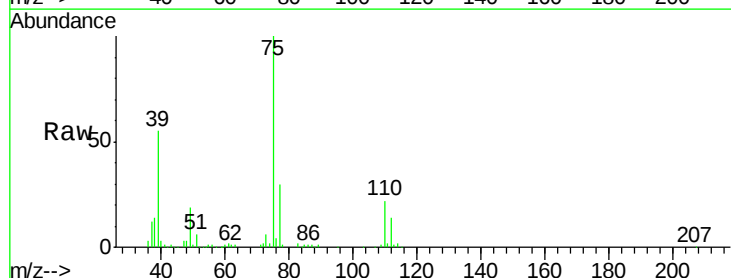
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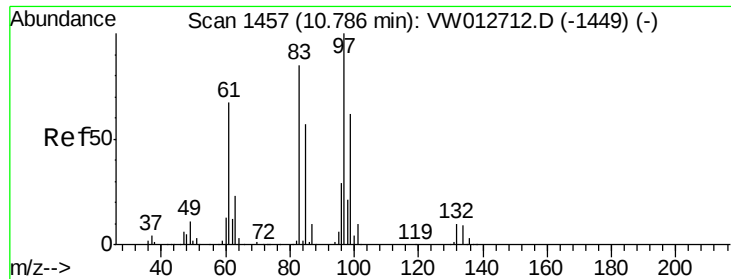
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.760 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion: 75 Resp: 158340
Ion Ratio Lower Upper
75 100
77 29.7 24.6 36.8
39 55.2 46.3 69.5





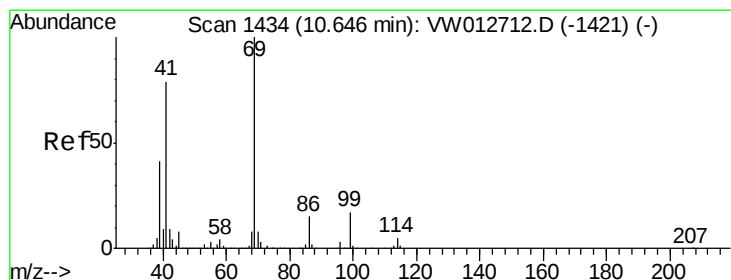
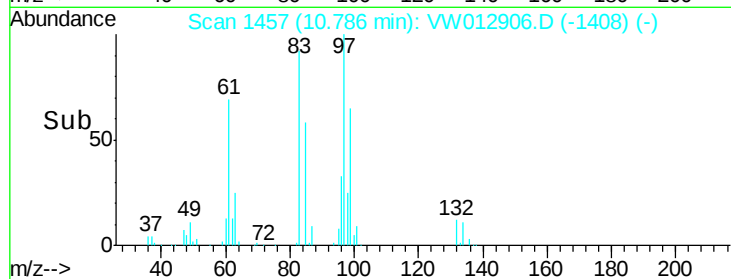
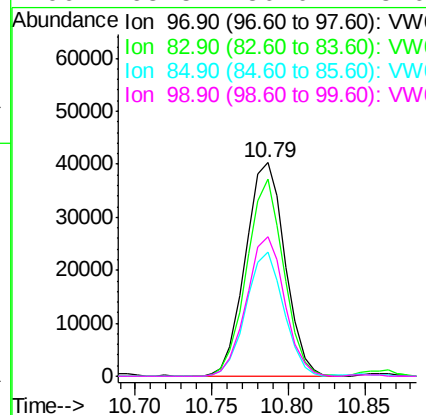
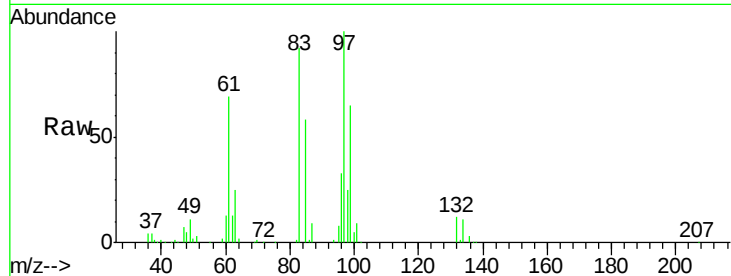
#55
 1,1,2-Trichloroethane
 Concen: 54.849 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	72658
Ion	Ratio	Lower	Upper
97	100		
83	92.0	68.1	102.1
85	58.0	45.3	67.9
99	65.5	50.0	75.0

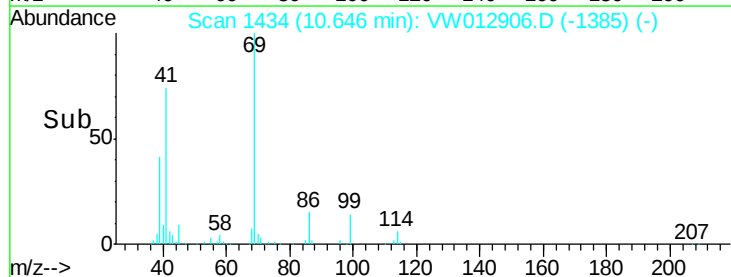
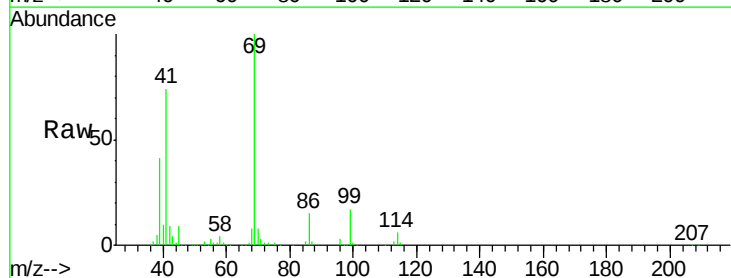
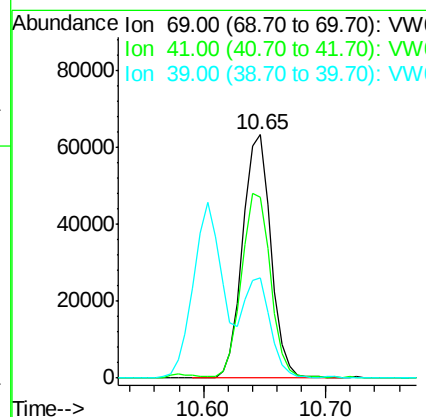
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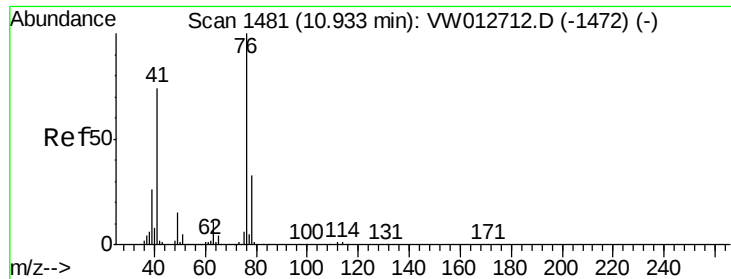
MMDadoda
 9/13/2019 1:32:22 AM



#56
 Ethyl methacrylate
 Concen: 52.415 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion:	69	Resp:	101637
Ion	Ratio	Lower	Upper
69	100		
41	77.7	64.4	96.6
39	37.1	31.1	46.7





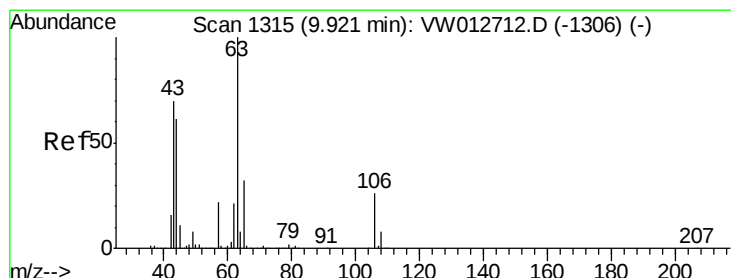
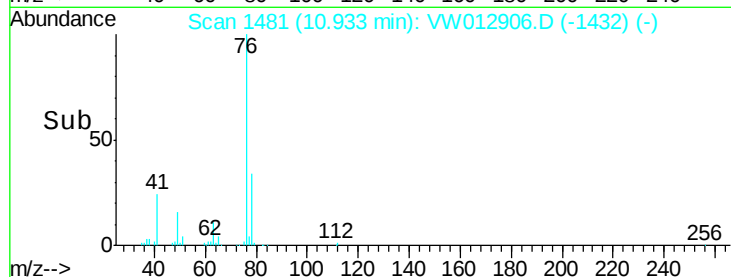
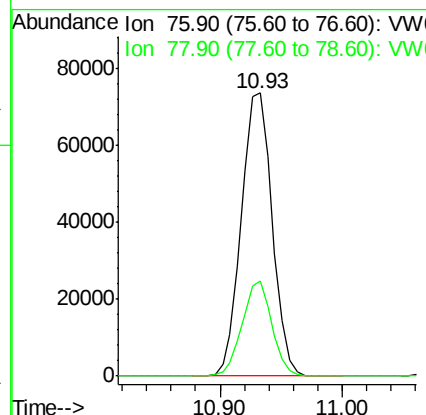
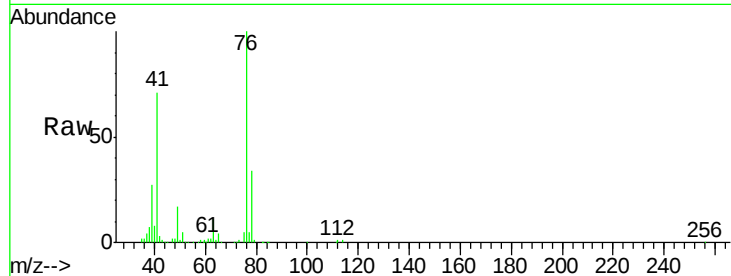
#57
 1,3-Dichloropropane
 Concen: 52.503 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

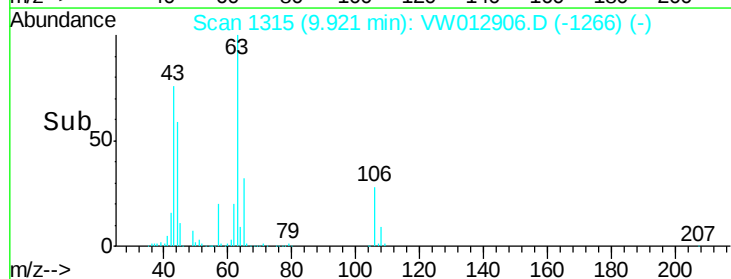
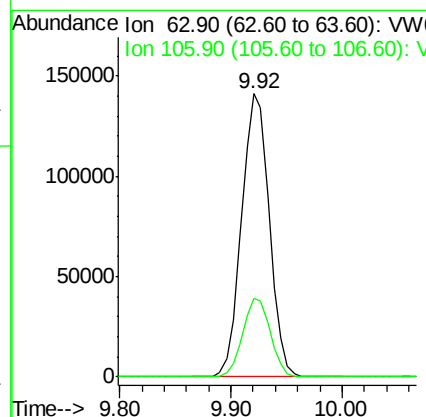
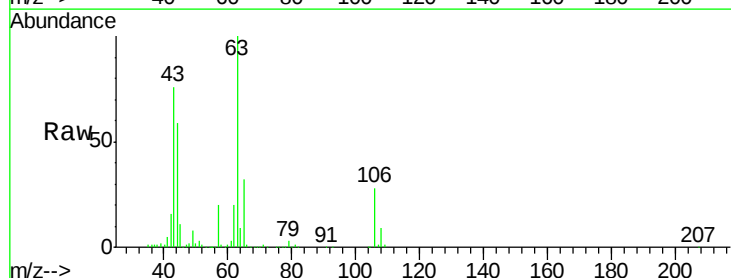
Manual Integrations
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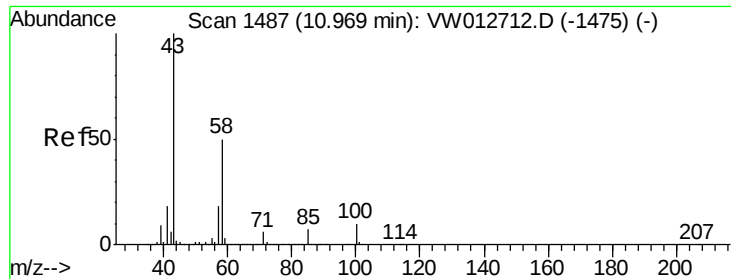
MMDadoda
 9/13/2019 1:32:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.115 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	20.5	30.7





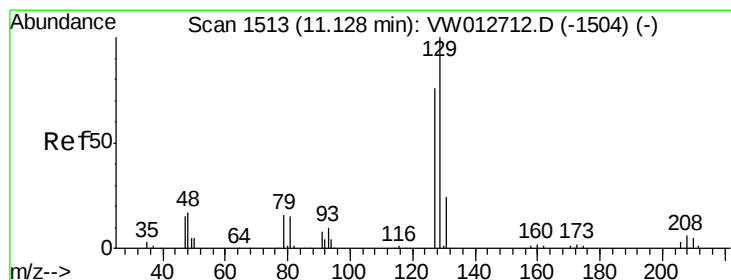
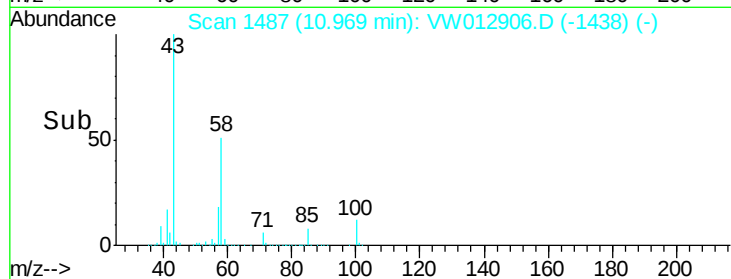
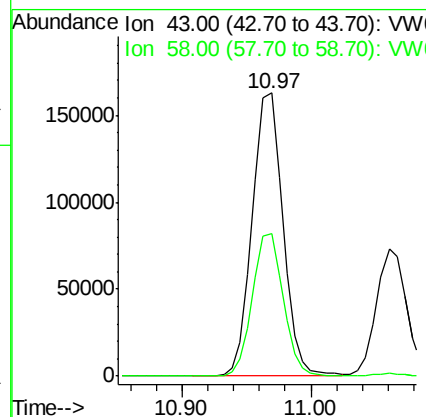
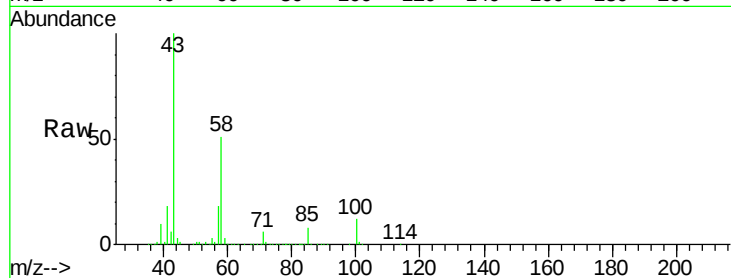
#59
2-Hexanone
Concen: 239.289 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 269017
Ion Ratio Lower Upper
43 100
58 50.4 24.7 74.1

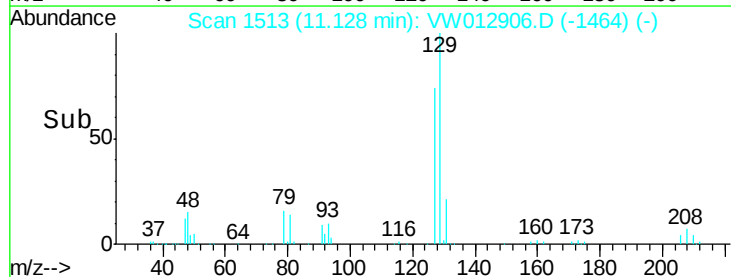
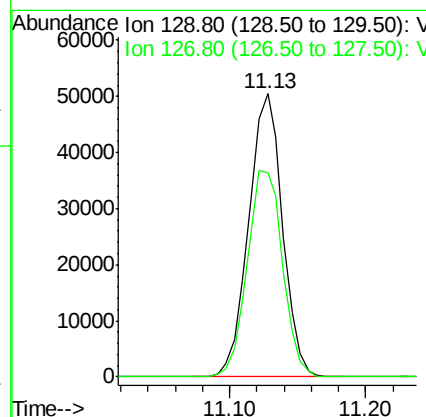
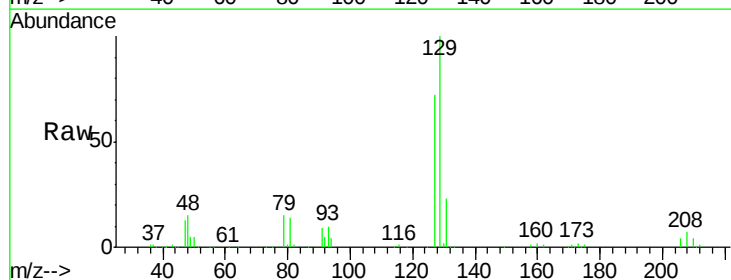
Manual Integrations
APPROVED

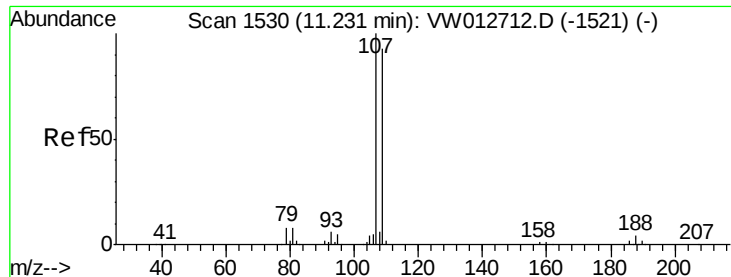
MMDadoda
9/13/2019 1:32:22 AM



#60
Dibromochloromethane
Concen: 56.375 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion: 129 Resp: 87829
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 54.276 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 65917

Ion Ratio Lower Upper

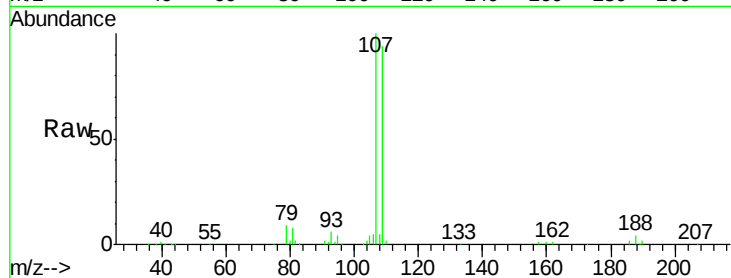
107 100

109 95.7 75.0 112.6

Manual Integrations
APPROVED

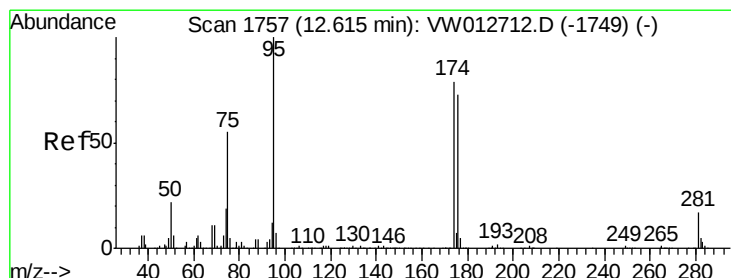
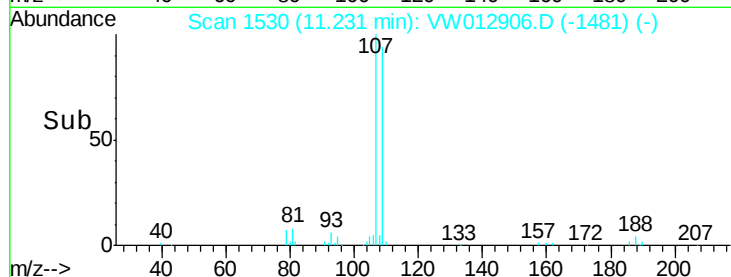
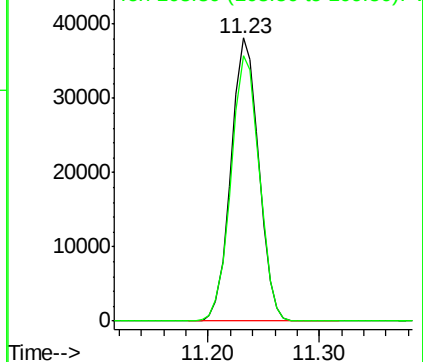
MMDadoda

9/13/2019 1:32:22 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.607 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

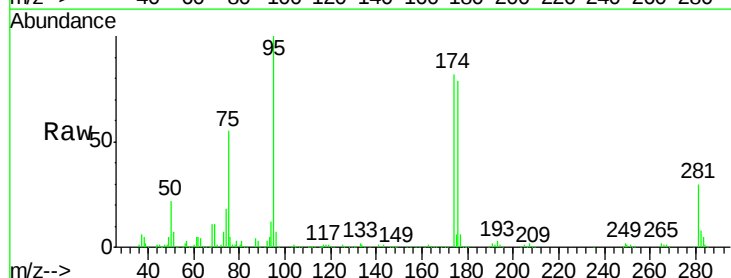
Tgt Ion: 95 Resp: 110011

Ion Ratio Lower Upper

95 100

174 84.1 0.0 161.0

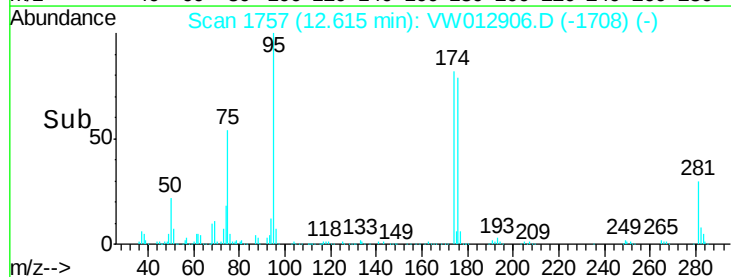
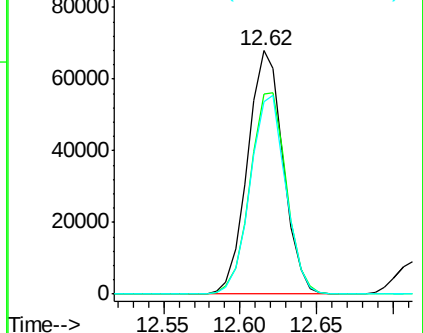
176 81.3 0.0 156.4

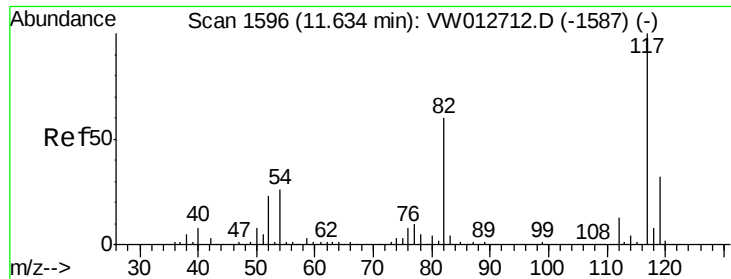


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





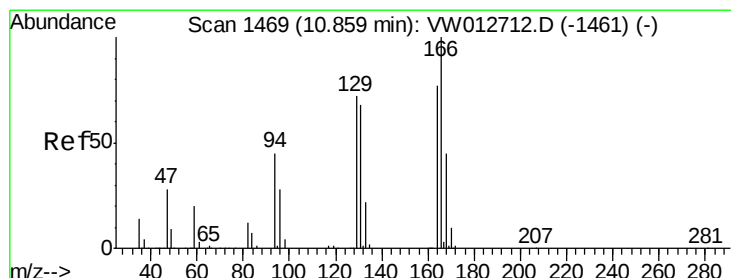
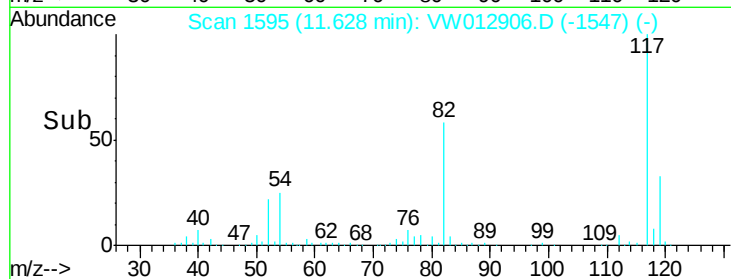
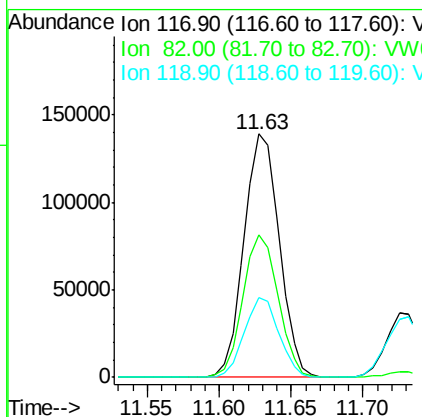
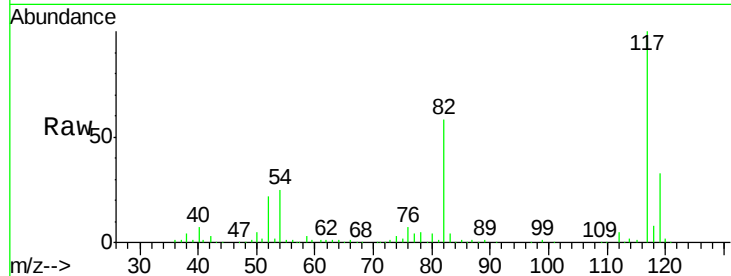
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.2	72.4
119	32.8	25.8	38.6

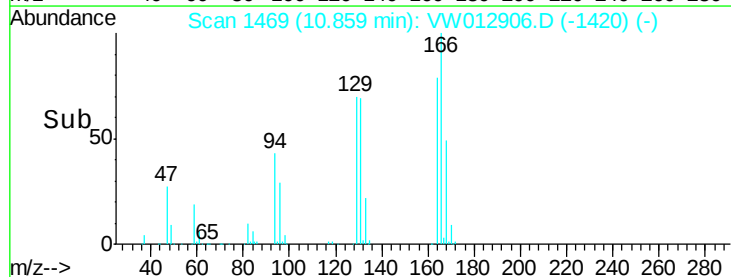
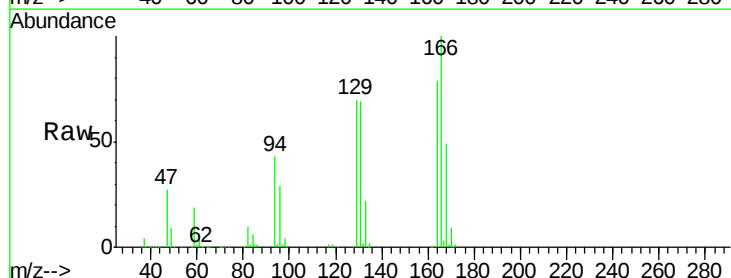
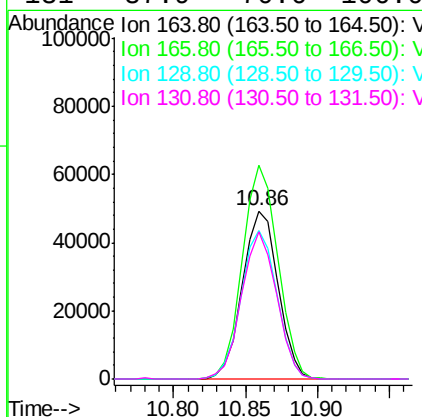
Manual Integrations
APPROVED

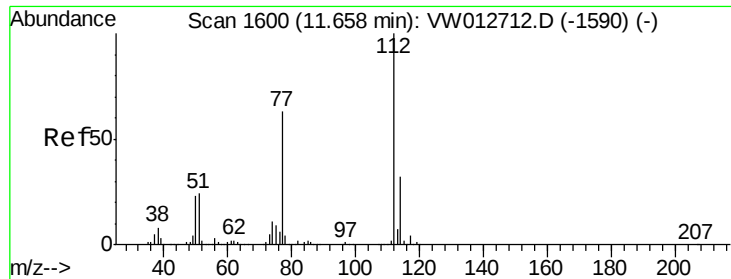
MMDadoda
9/13/2019 1:32:22 AM



#64
Tetrachloroethene
Concen: 59.002 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.6	155.4
129	88.7	74.6	112.0
131	87.9	70.6	106.0





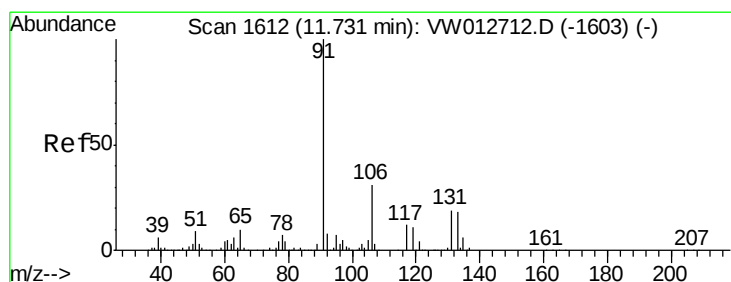
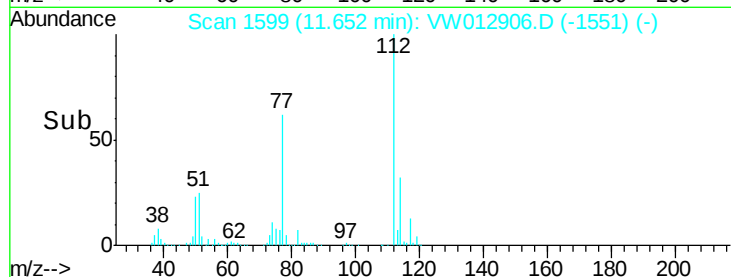
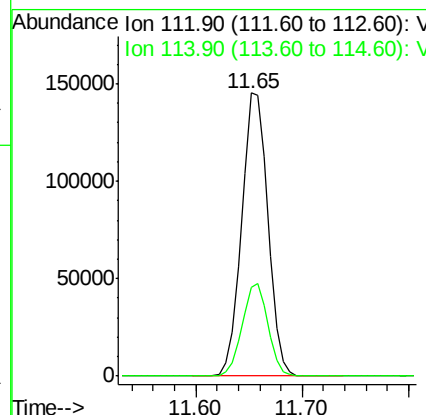
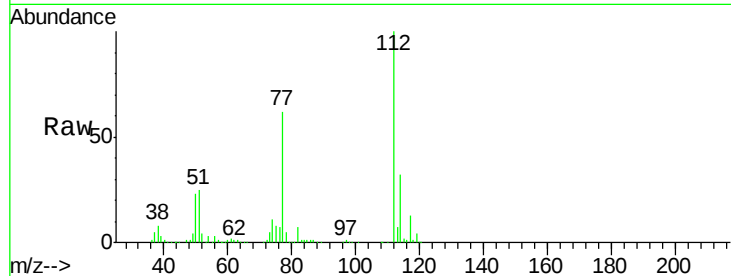
#65
Chlorobenzene
Concen: 56.436 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

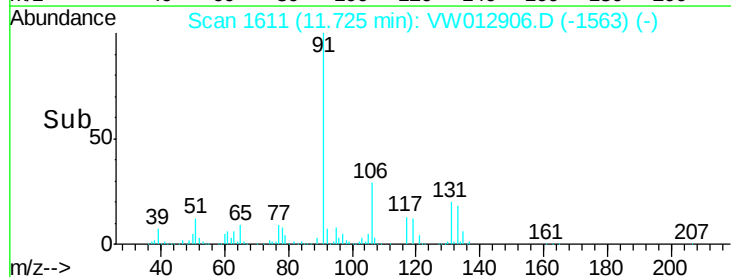
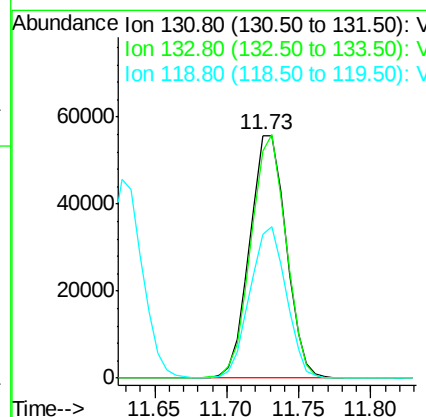
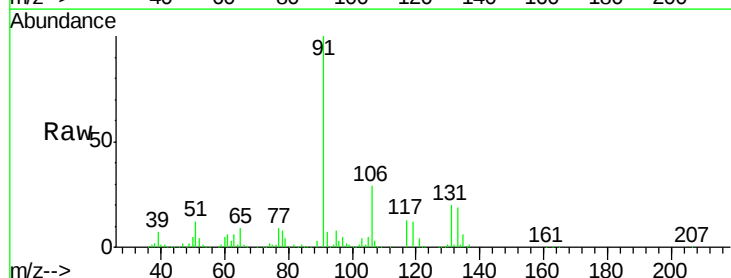
Manual Integrations
APPROVED

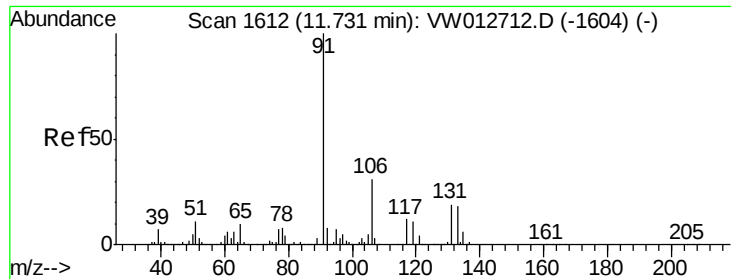
MMDadoda
9/13/2019 1:32:22 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 58.453 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.6	142.8
119	62.2	30.6	92.0





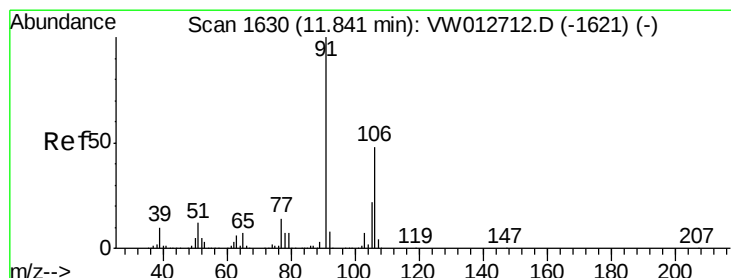
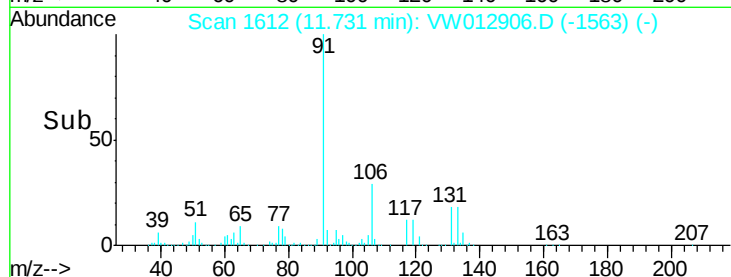
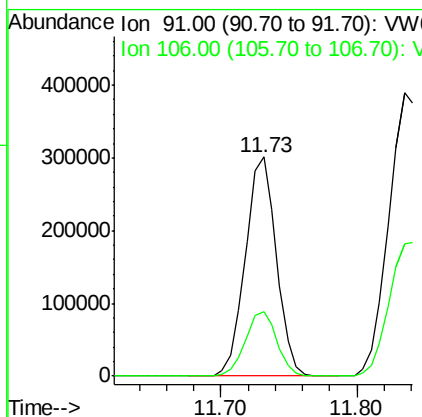
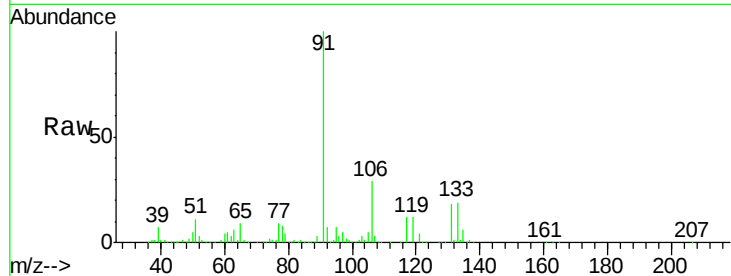
#67
Ethyl Benzene
Concen: 57.234 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 480081
Ion Ratio Lower Upper
91 100
106 29.3 24.4 36.6

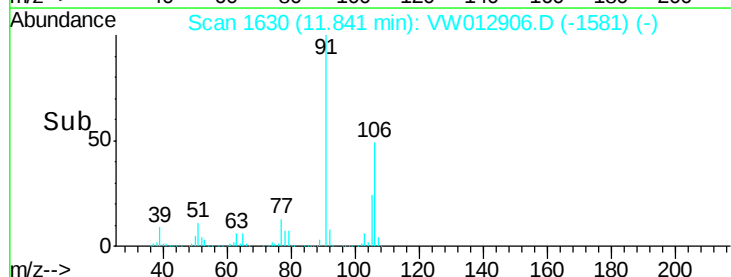
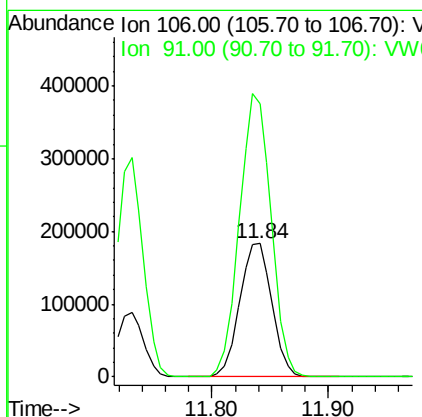
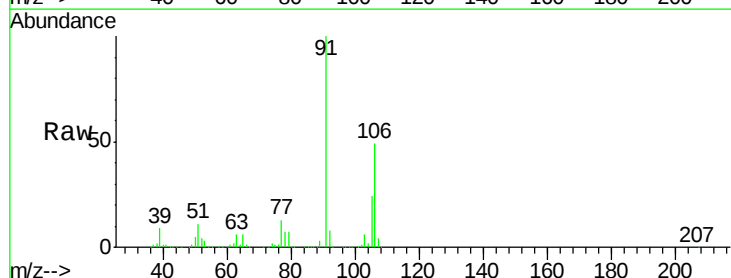
Manual Integrations
APPROVED

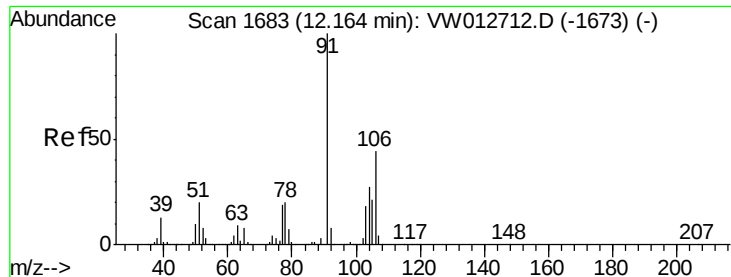
MMDadoda
9/13/2019 1:32:22 AM



#68
m/p-Xylenes
Concen: 116.539 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion: 106 Resp: 352843
Ion Ratio Lower Upper
106 100
91 208.7 168.2 252.4





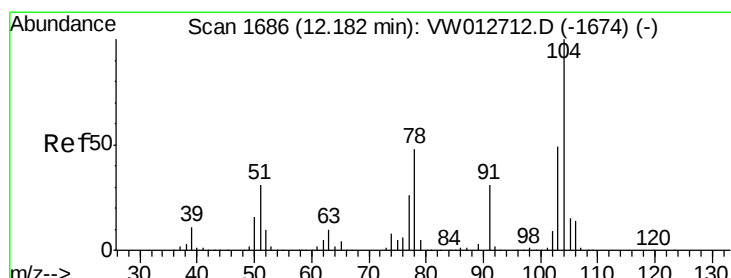
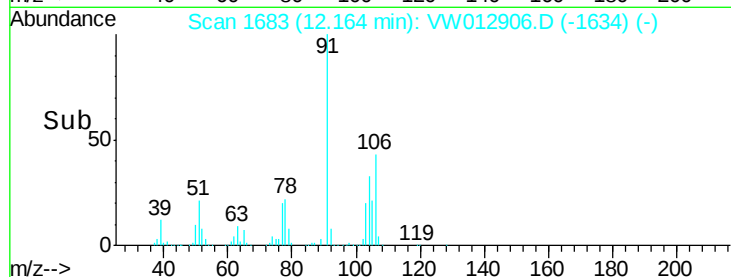
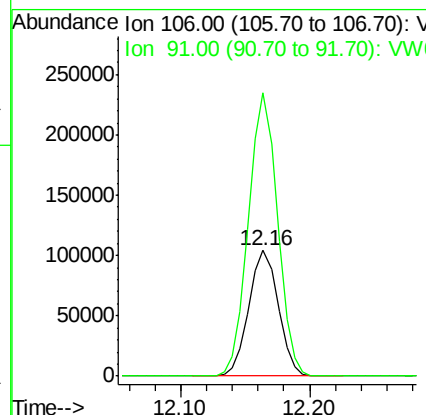
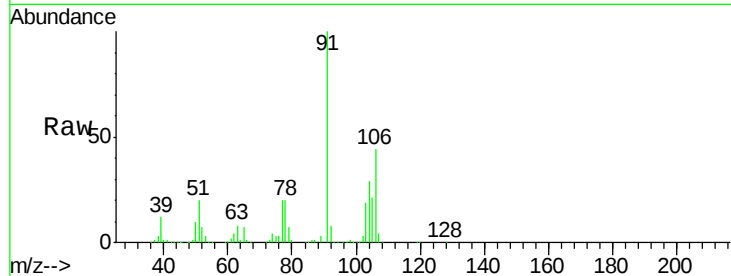
#69
o-Xylene
Concen: 57.775 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	165030		
91	91	221.6	112.3	336.8	

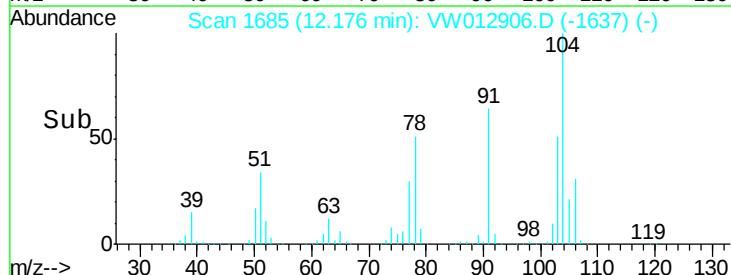
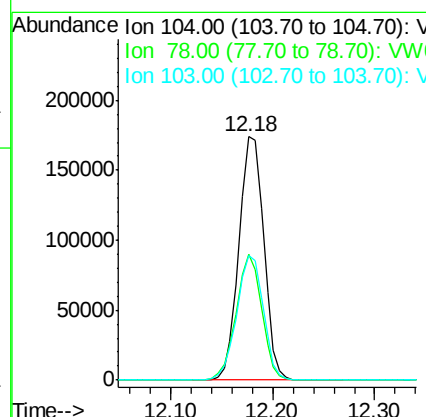
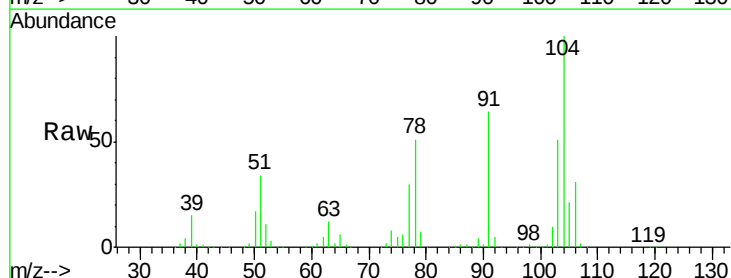
Manual Integrations
APPROVED

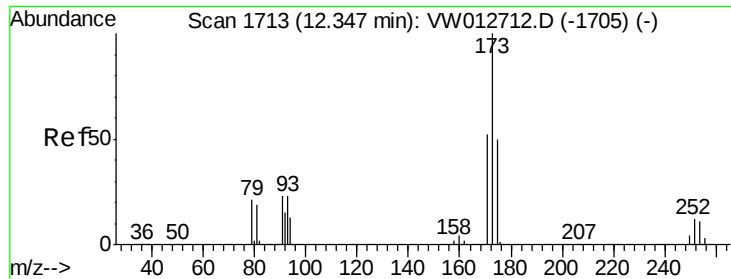
MMDadoda
9/13/2019 1:32:22 AM



#70
Styrene
Concen: 58.140 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	293460		
78	78	53.0	43.3	64.9	
103	103	54.6	44.0	66.0	





#71

Bromoform

Concen: 55.928 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

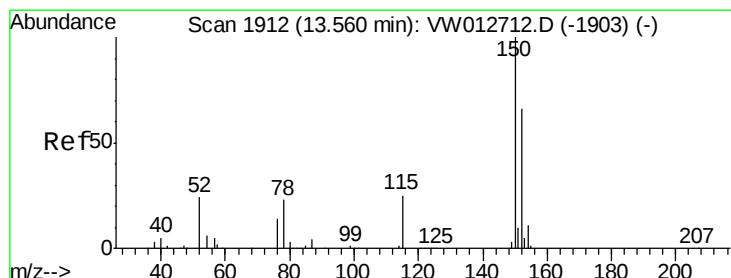
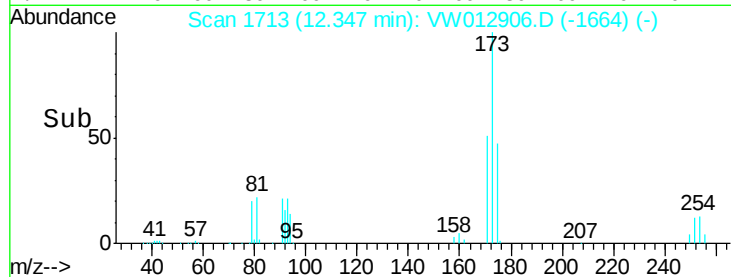
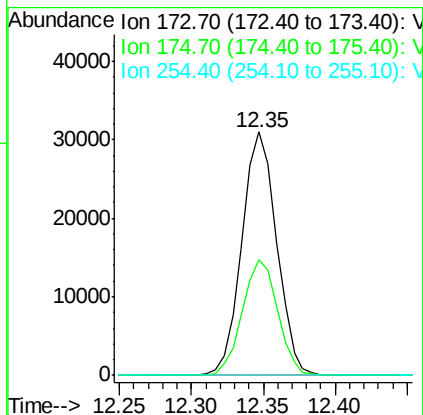
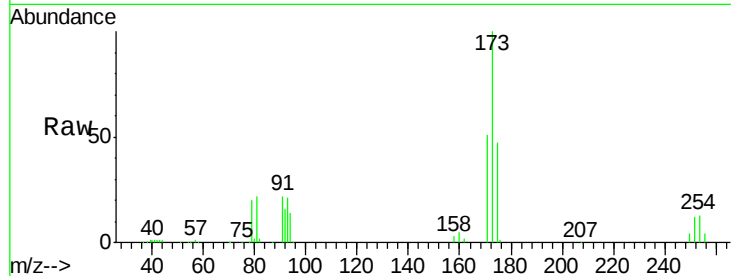
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.8	74.3
254	0.1	0.1	0.1

Manual Integrations
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9/13/2019 1:32:22 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

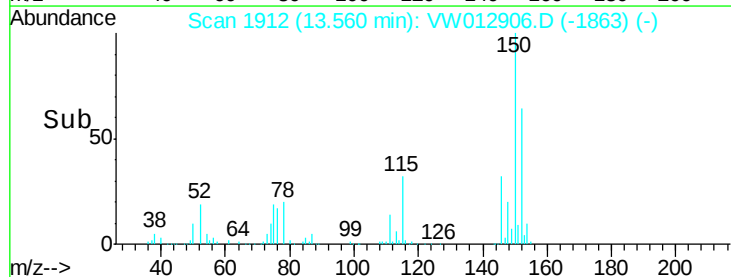
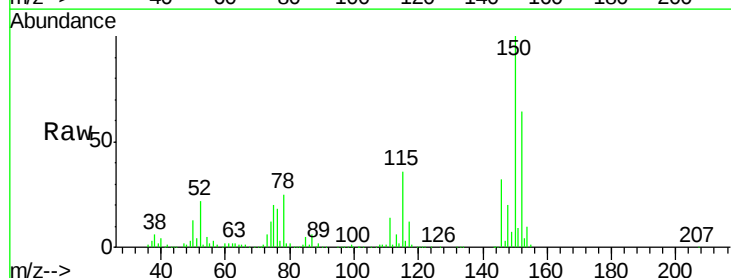
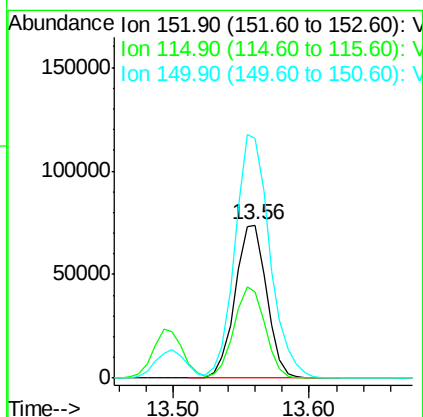
RT: 13.56 min Scan# 1912

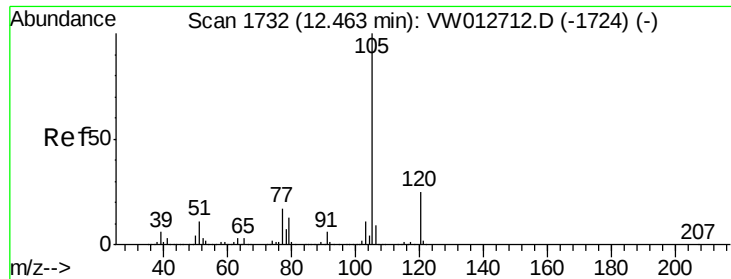
Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.0	90.1
150	175.8	0.0	349.0





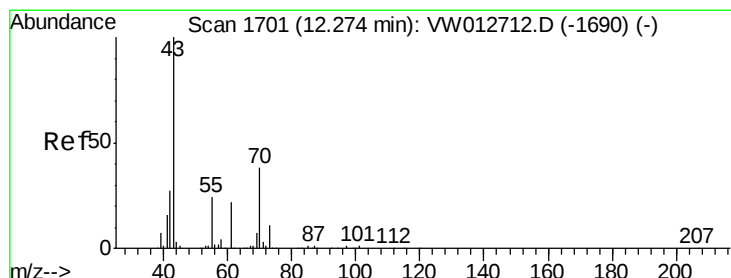
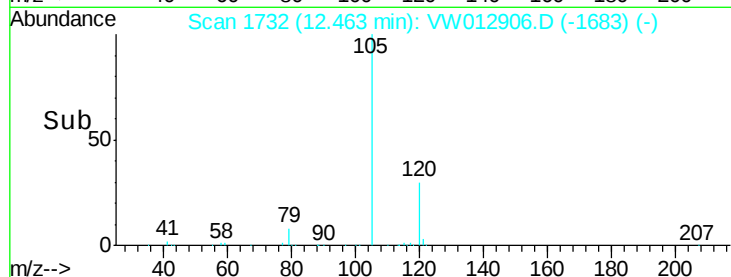
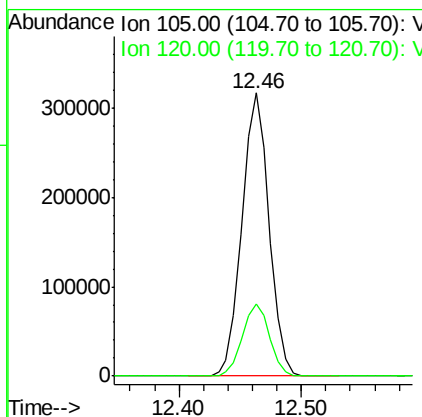
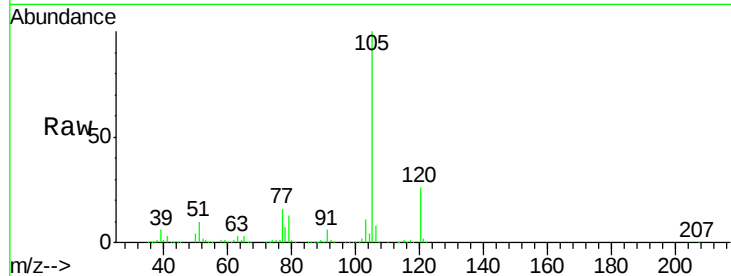
#73
Isopropylbenzene
Concen: 56.666 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.0	38.9

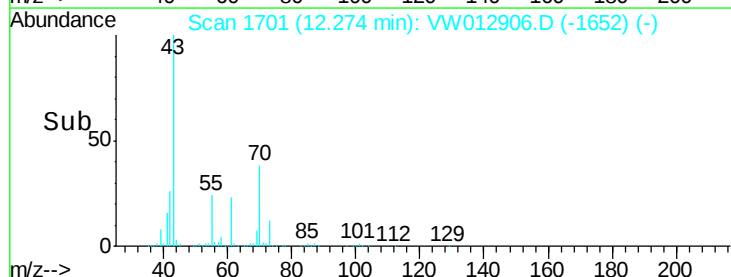
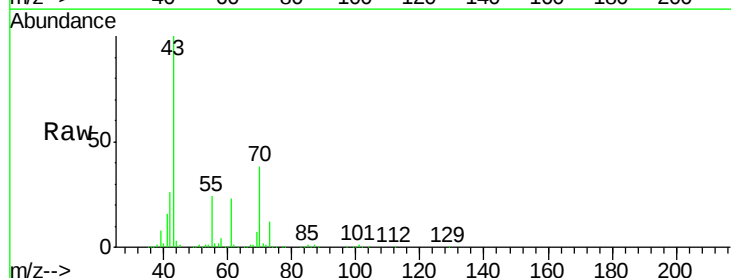
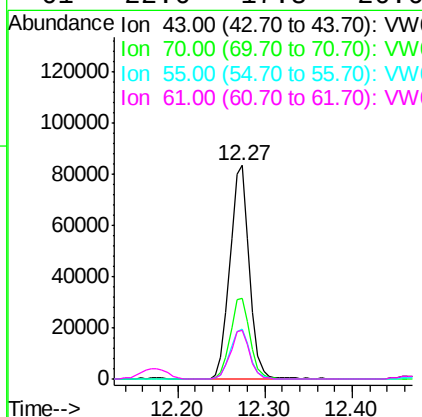
Manual Integrations
APPROVED

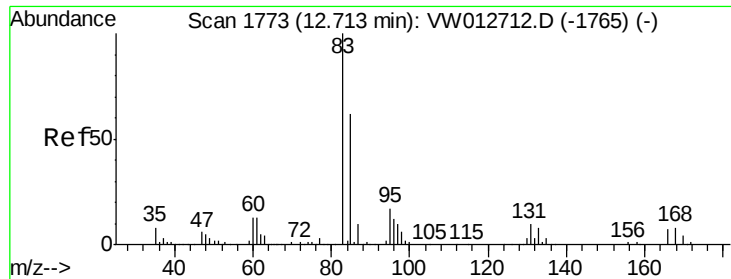
MMDadoda
9/13/2019 1:32:22 AM



#74
N-ethyl acetate
Concen: 47.771 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.1	29.4	44.0
55	23.6	18.6	27.8
61	22.6	17.8	26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.624 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

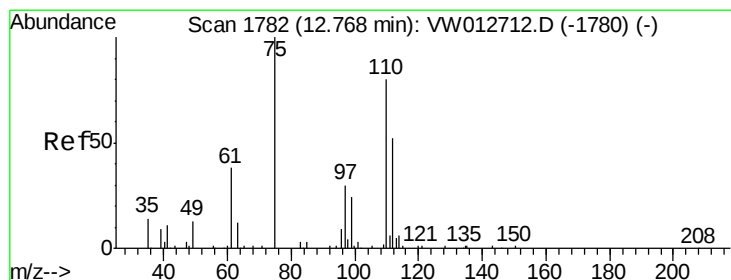
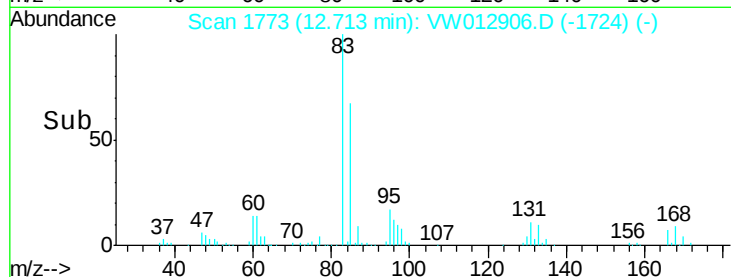
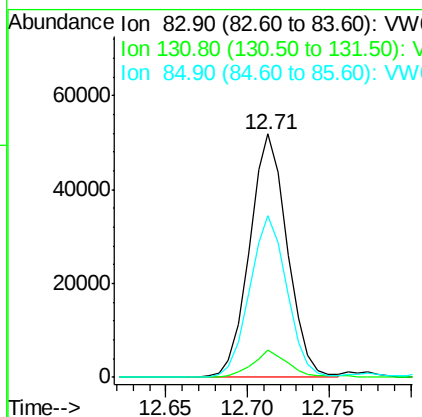
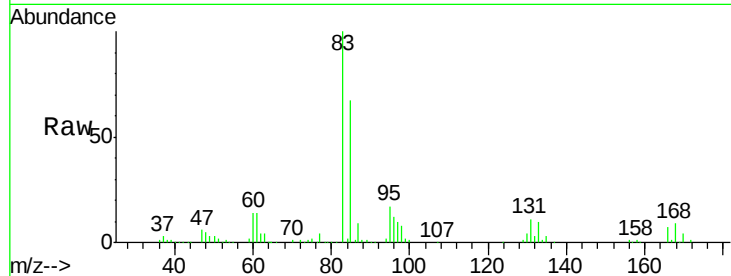
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	83529
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.4
85	65.6	31.4	94.2

Manual Integrations
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9/13/2019 1:32:22 AM



#76

1,2,3-Trichloropropane

Concen: 54.529 ug/l m

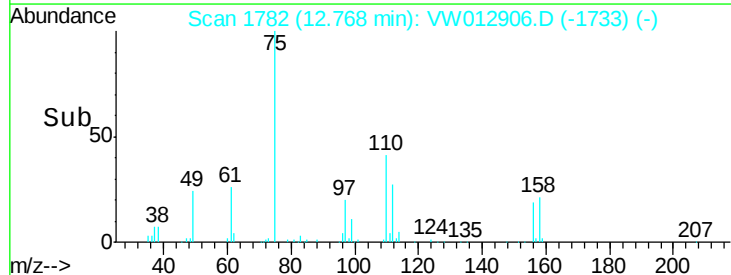
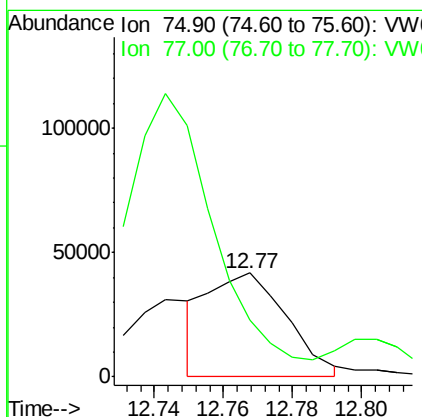
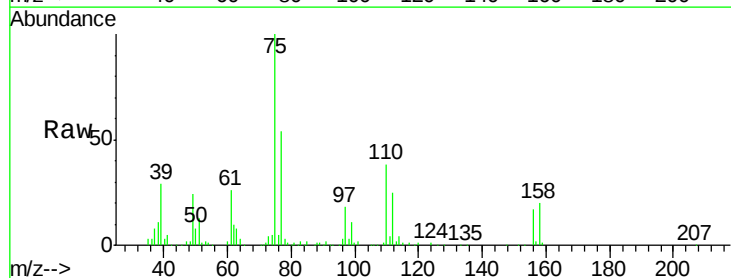
RT: 12.77 min Scan# 1782

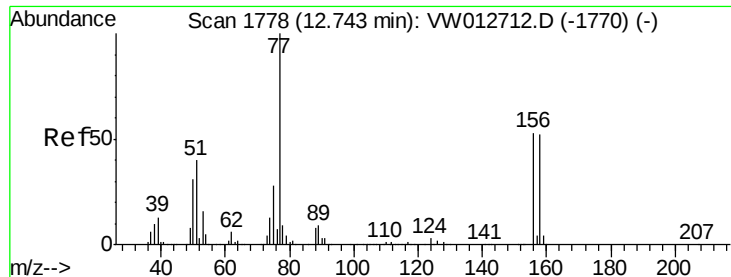
Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Tgt Ion:	75	Resp:	66499
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 56.741 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

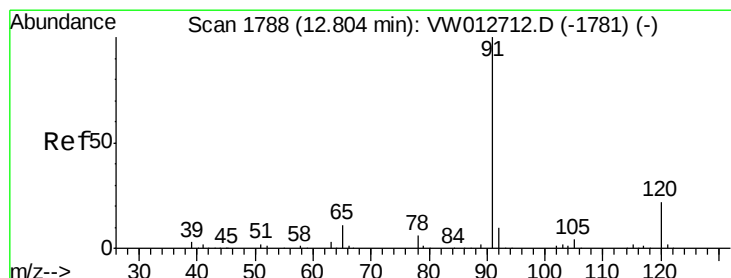
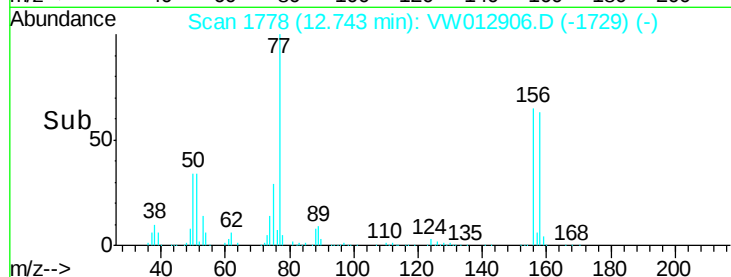
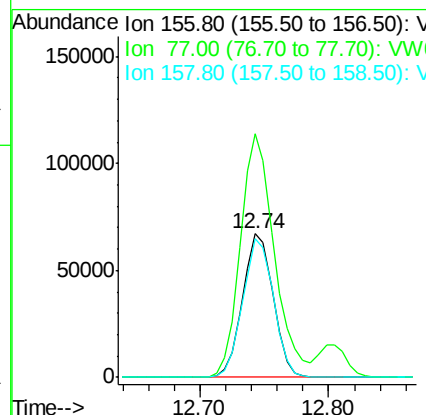
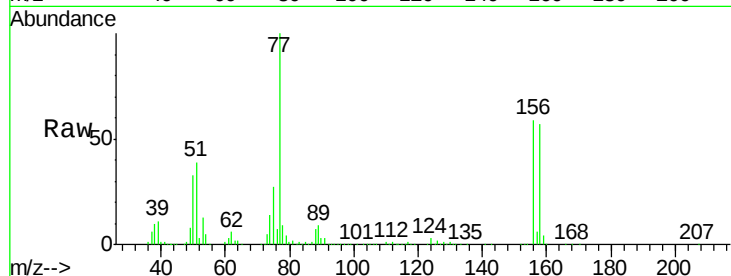
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	109961
Ion Ratio	Lower	Upper	
156	100		
77	188.8	102.3	306.9
158	97.0	48.9	146.8

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#78

n-propylbenzene

Concen: 55.592 ug/l

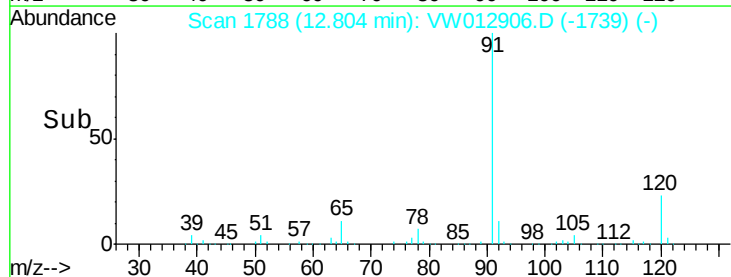
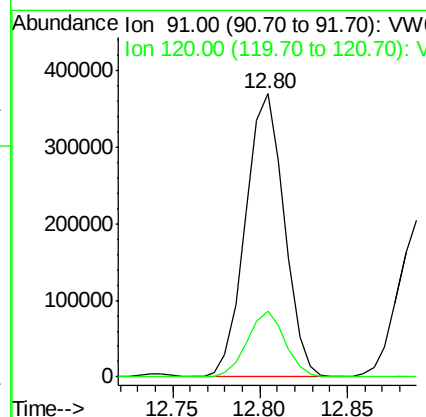
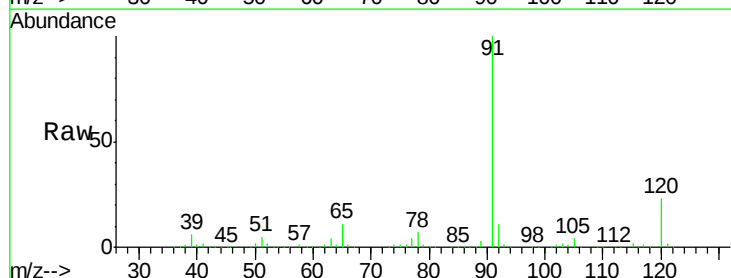
RT: 12.80 min Scan# 1788

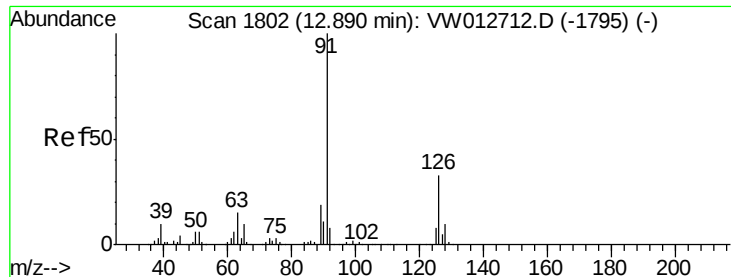
Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Tgt Ion:	91	Resp:	568721
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.0	33.0





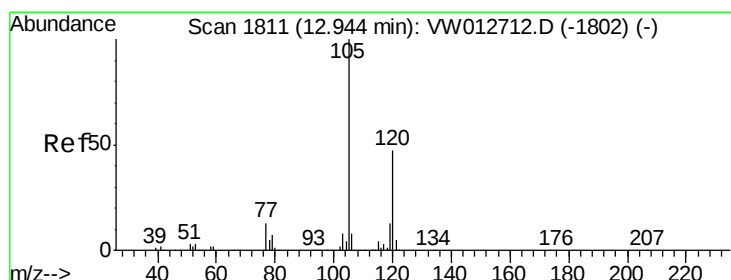
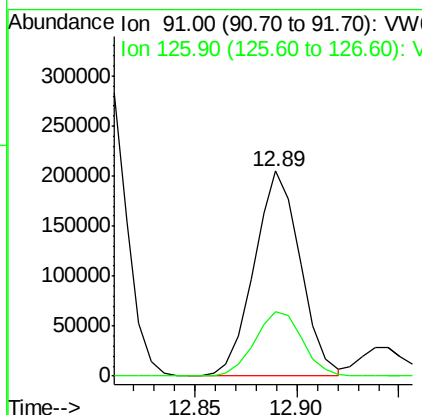
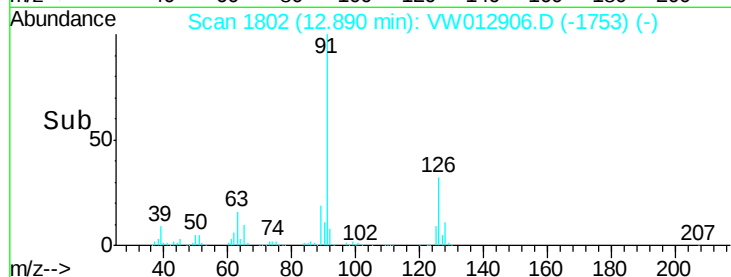
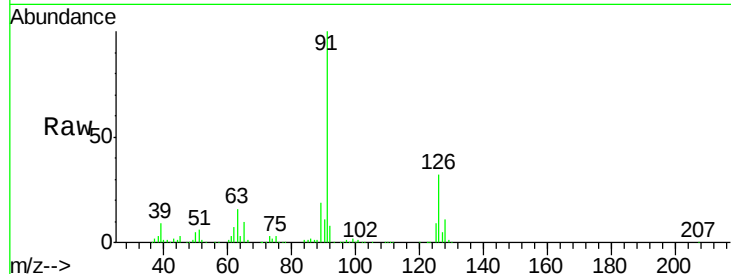
#79
 2-Chlorotoluene
 Concen: 54.904 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 322450
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.1 48.3

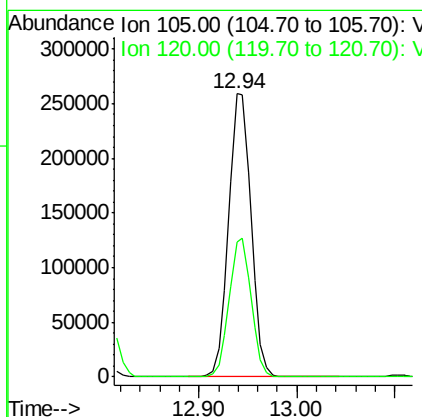
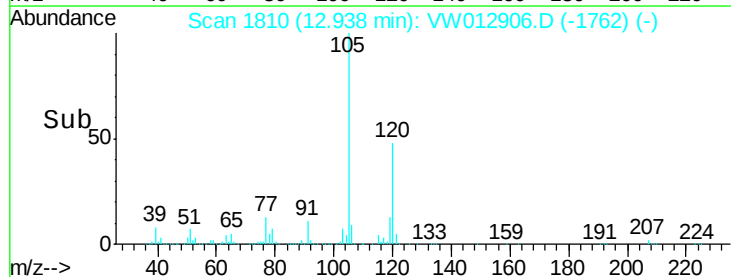
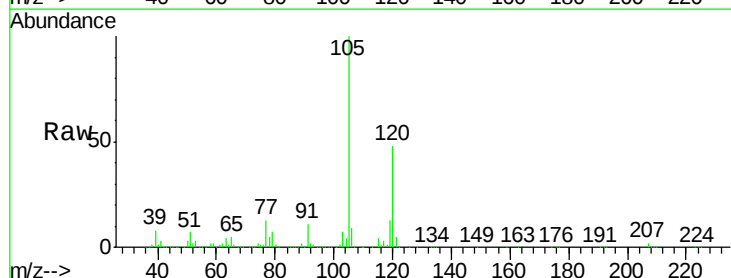
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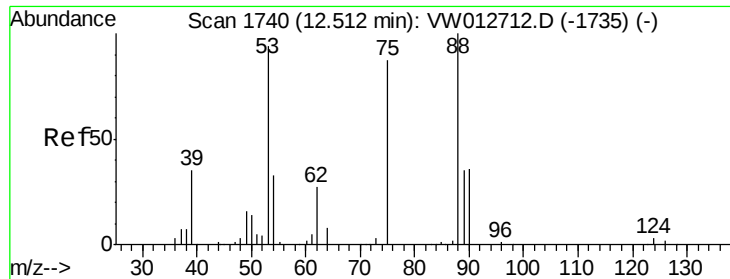
MMDadoda
 9/13/2019 1:32:22 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 57.070 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion: 105 Resp: 411347
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.9 71.8





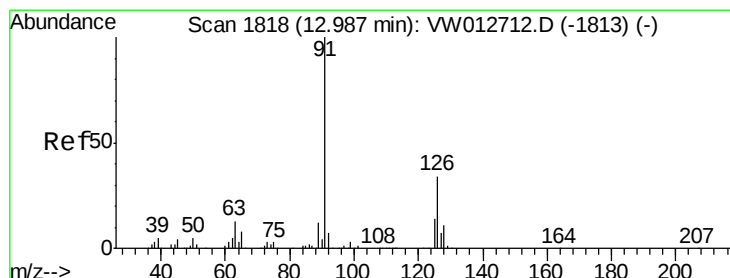
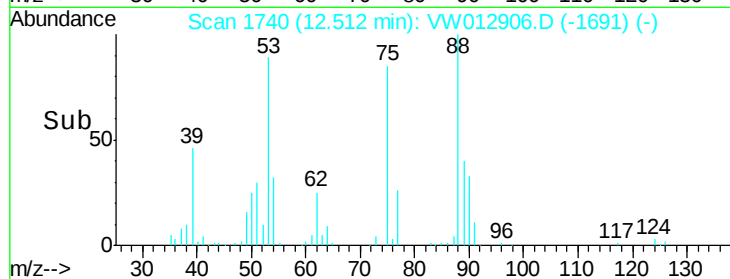
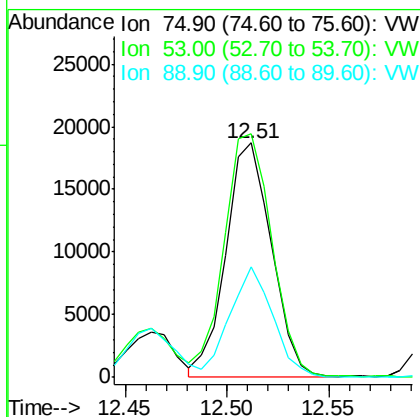
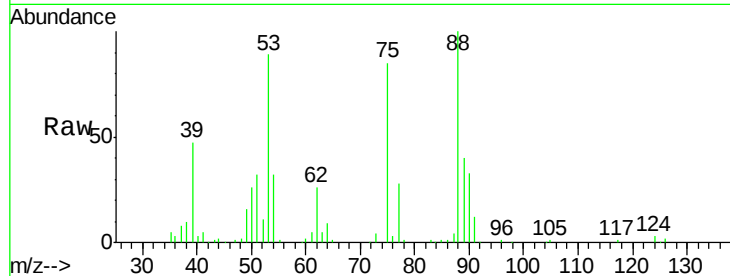
#81
trans-1,4-Dichloro-2-butene
Concen: 50.021 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.1	87.6	131.4
89	44.4	35.5	53.3

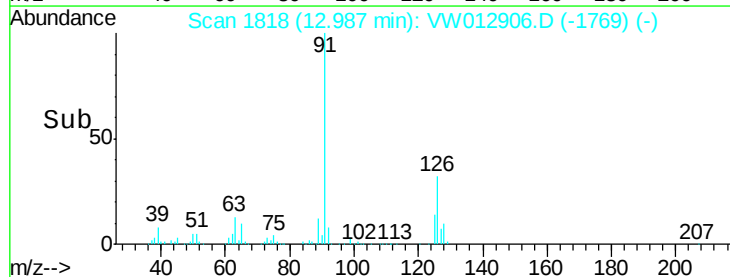
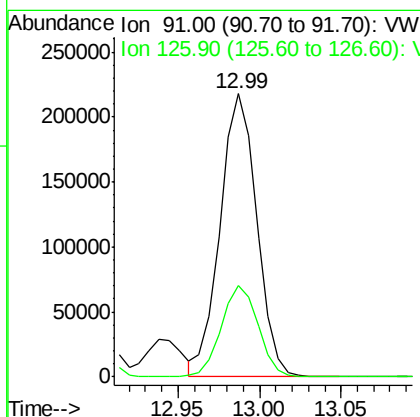
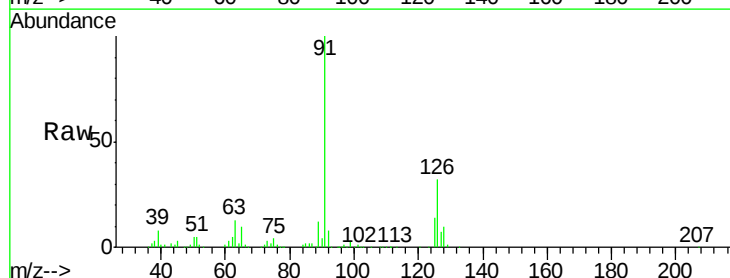
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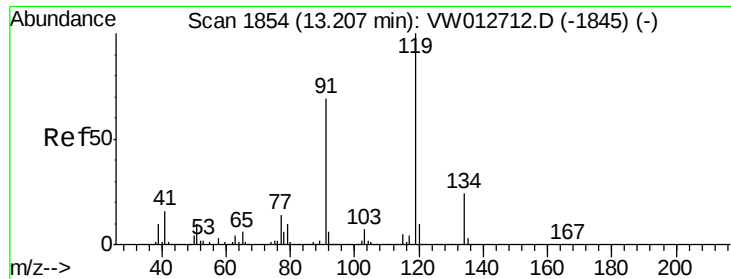
MMDadoda
9/13/2019 1:32:22 AM



#82
4-Chlorotoluene
Concen: 54.766 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.9	47.6





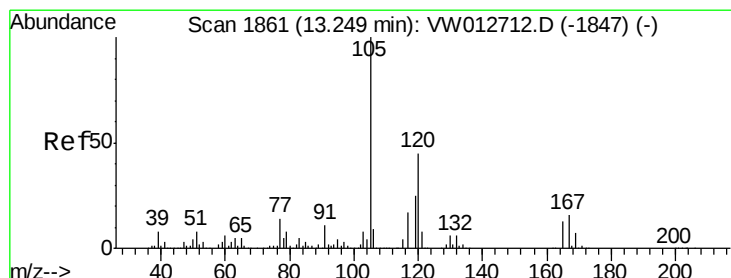
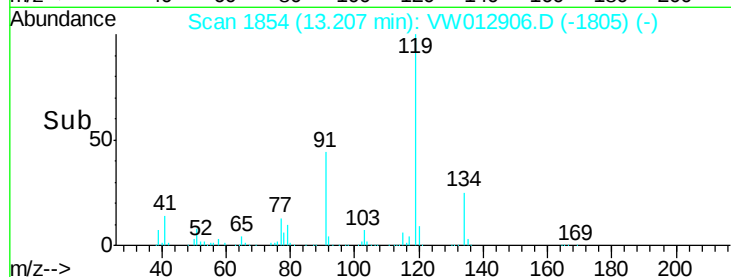
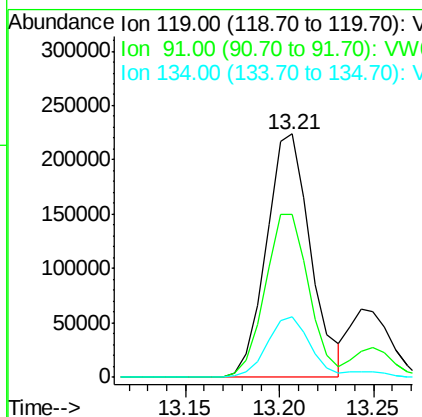
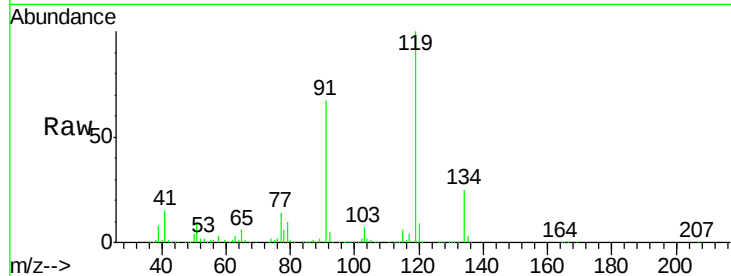
#83
tert-Butylbenzene
Concen: 57.108 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	34.2	102.5
134	24.7	12.3	36.9

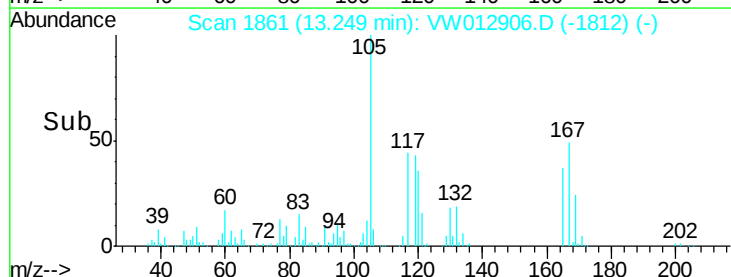
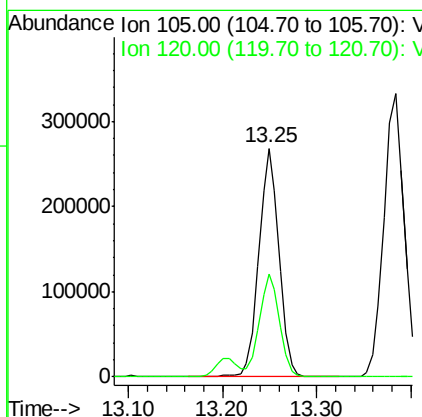
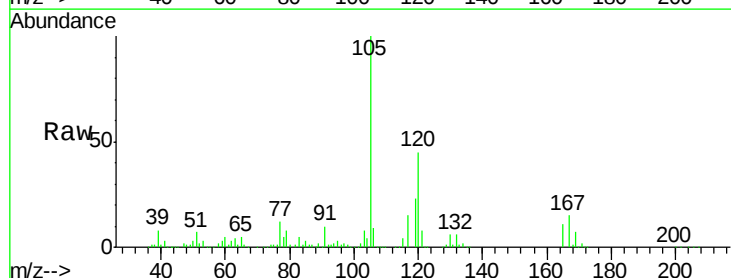
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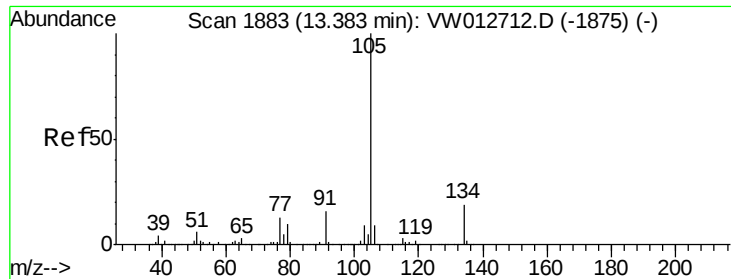
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 56.012 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.3





#85

sec-Butylbenzene

Concen: 56.481 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 499501

Ion Ratio Lower Upper

105 100

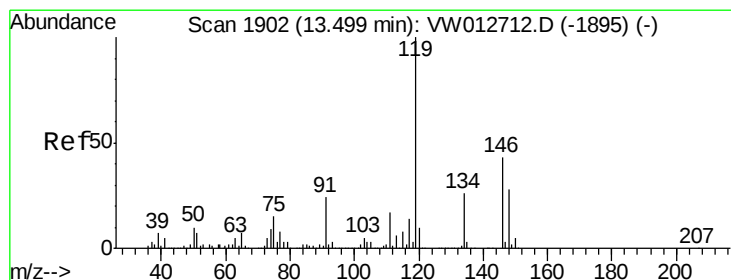
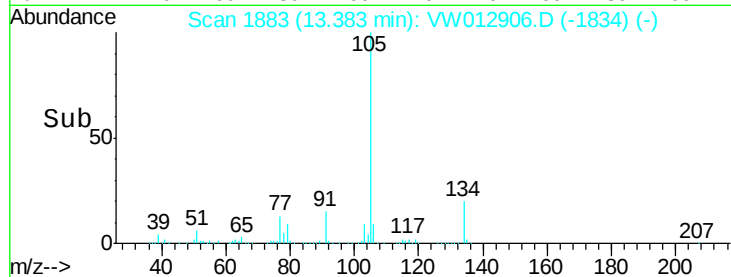
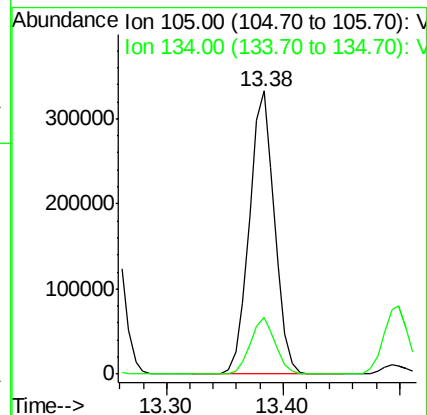
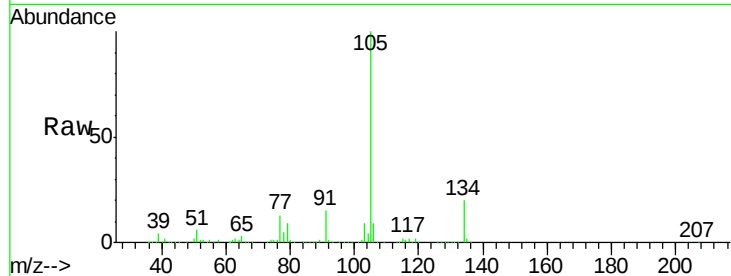
134 19.8 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.707 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012906.D

Acq: 11 Sep 2019 10:04

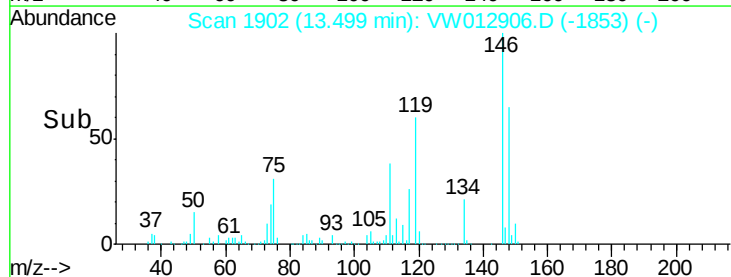
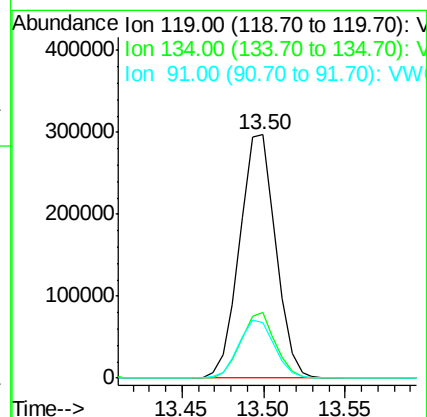
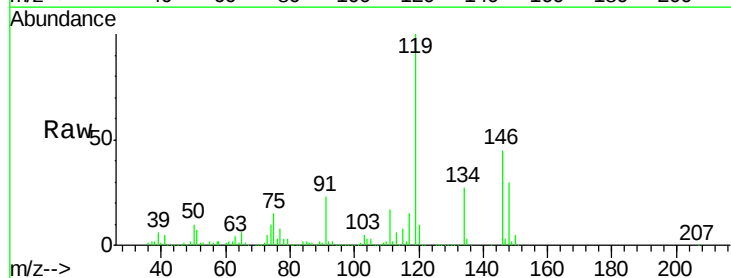
Tgt Ion:119 Resp: 458073

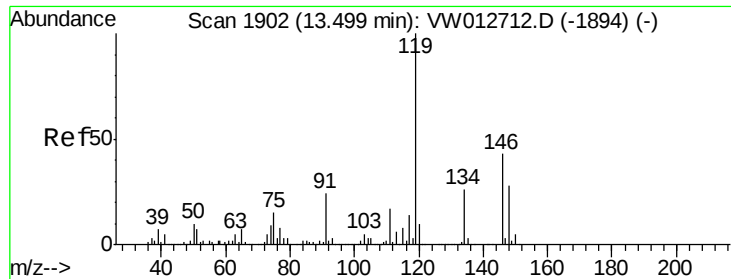
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

91 23.7 12.2 36.6





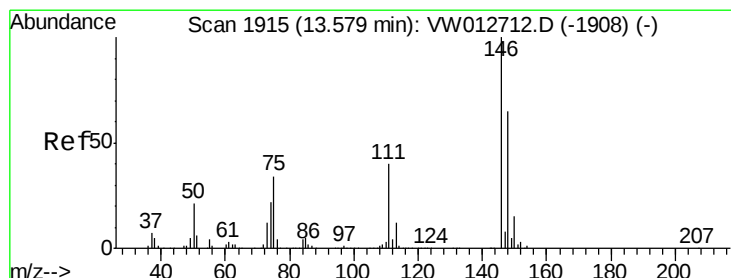
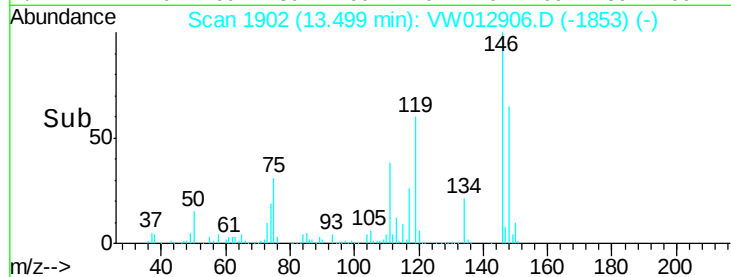
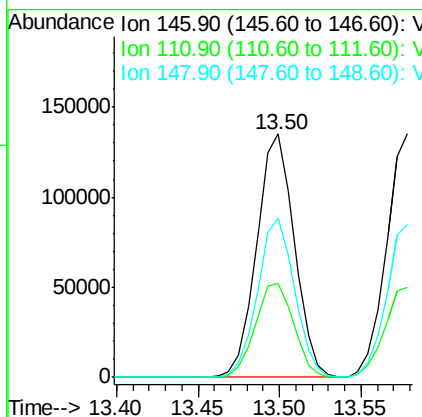
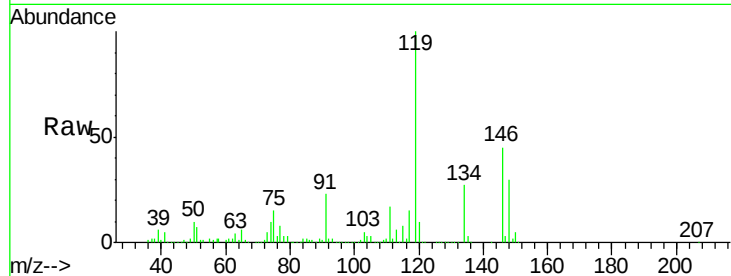
#87
 1,3-Dichlorobenzene
 Concen: 56.559 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	215438		
111	39.7	20.4	61.2	
148	64.5	31.8	95.4	

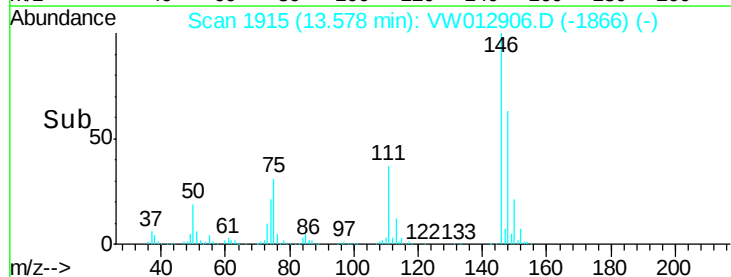
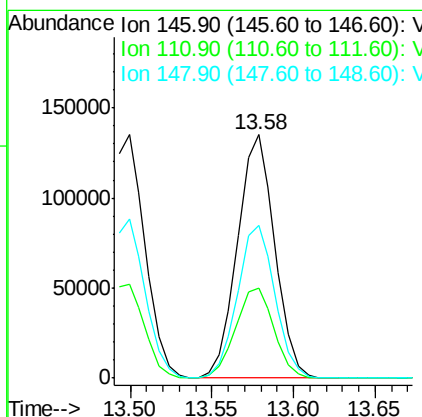
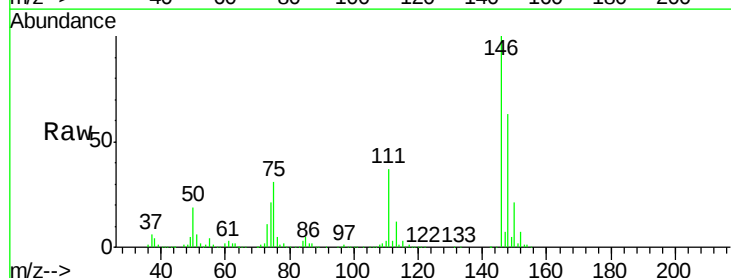
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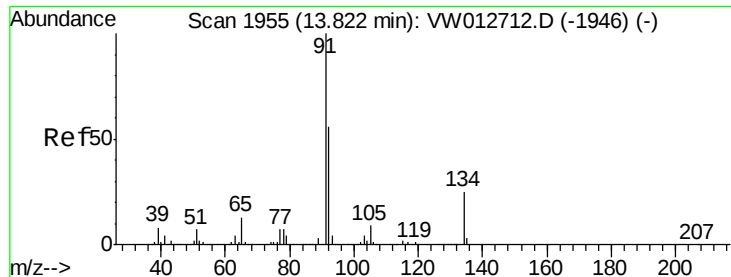
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#88
 1,4-Dichlorobenzene
 Concen: 56.539 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	214301		
111	38.3	20.0	60.0	
148	63.4	32.2	96.6	





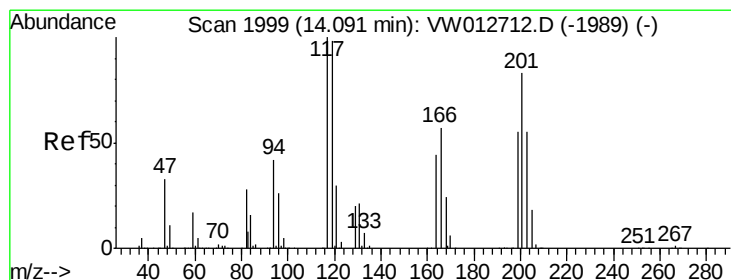
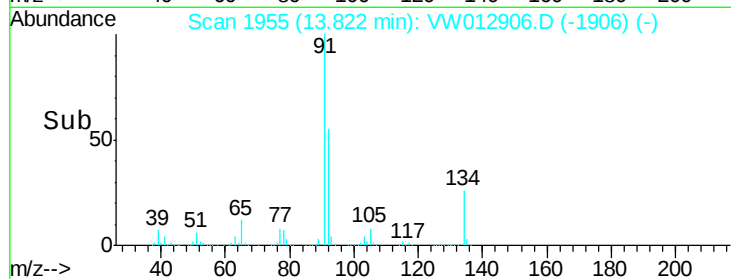
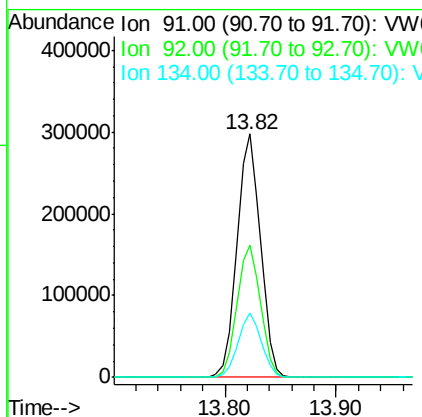
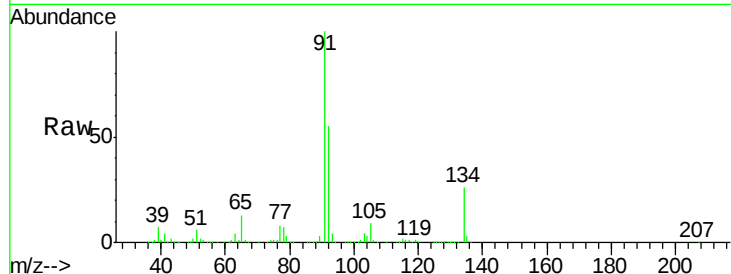
#89
n-Butylbenzene
Concen: 55.106 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	27.2	81.5	
134	26.0	12.7	38.1	

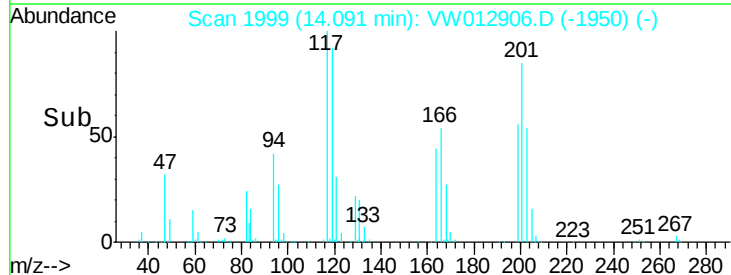
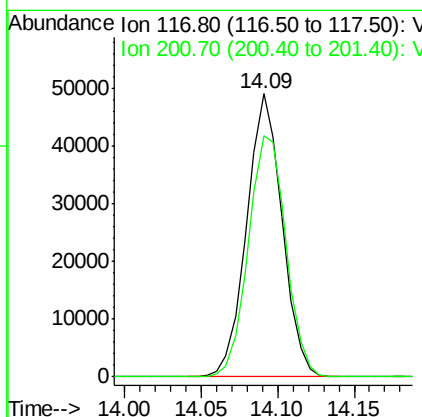
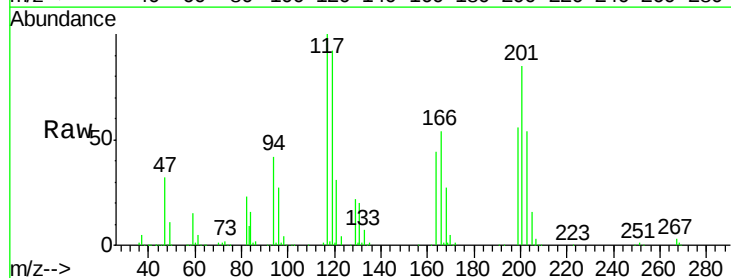
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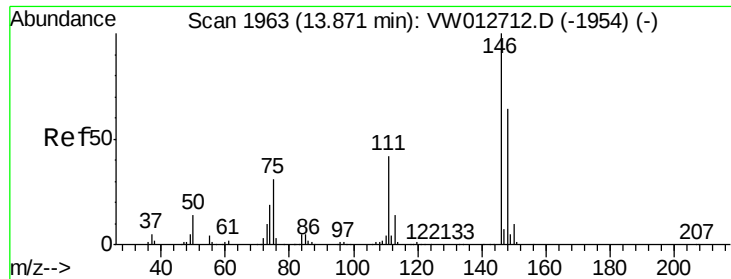
MMDadoda
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#90
Hexachloroethane
Concen: 55.960 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.4	42.8	128.4	





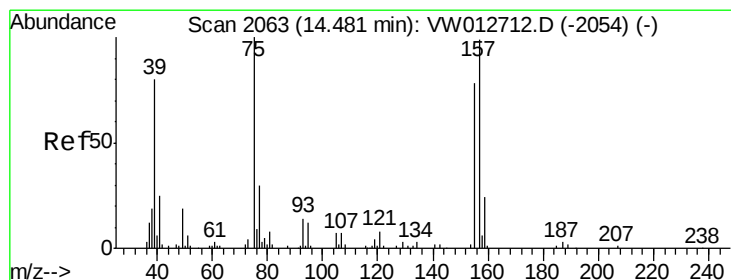
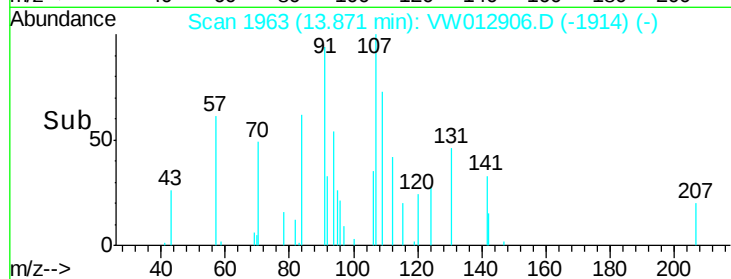
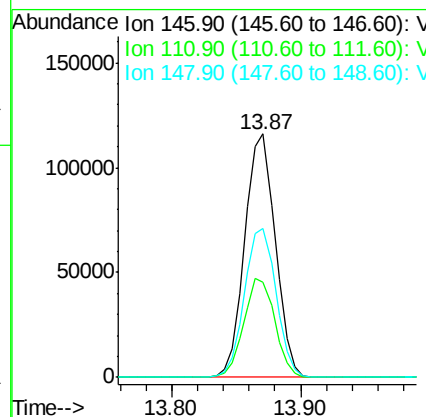
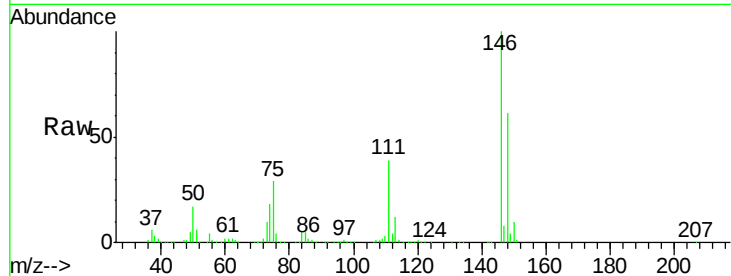
#91
 1,2-Dichlorobenzene
 Concen: 55.394 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.9
148	63.5	32.1	96.5

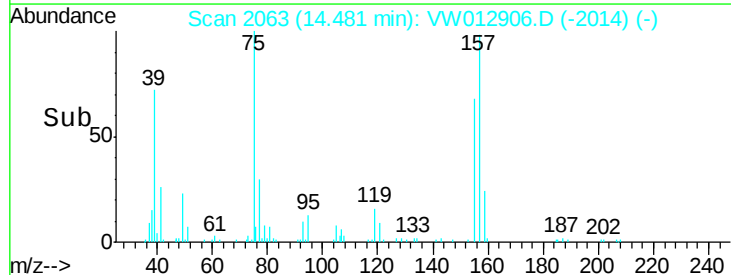
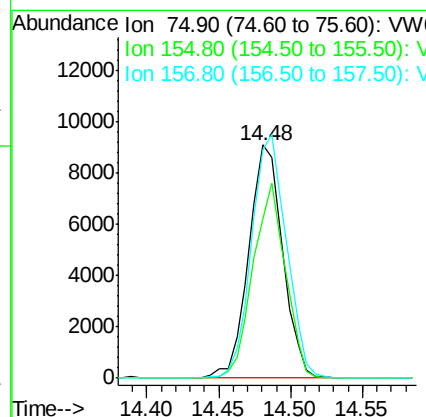
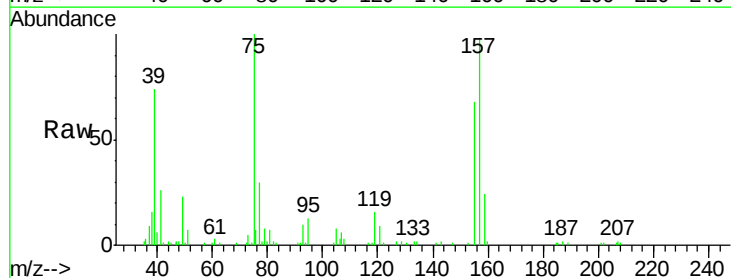
Manual Integrations
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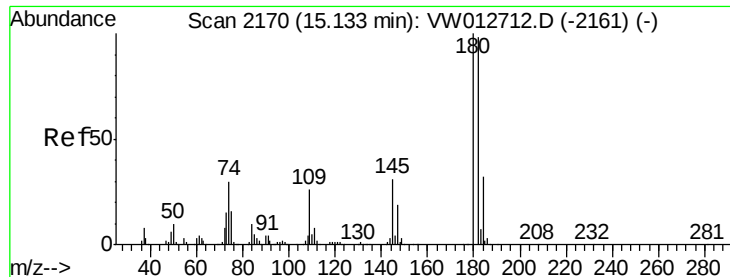
MMDadoda
 9/13/2019 1:32:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.097 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	40.6	122.0
157	107.0	52.5	157.5





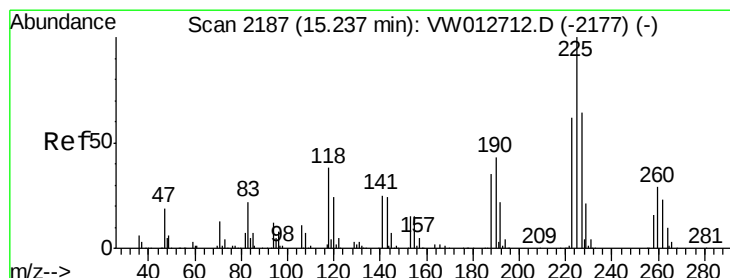
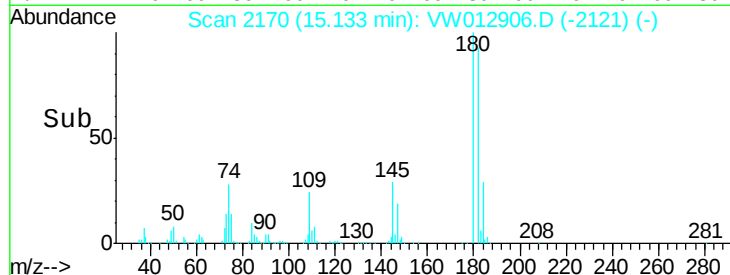
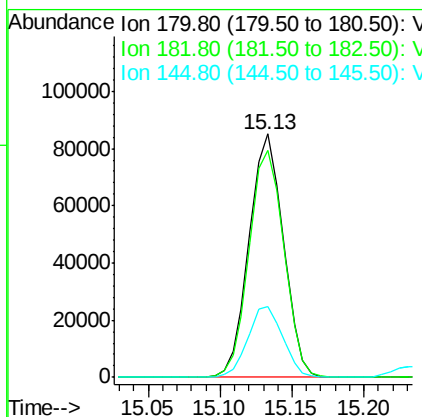
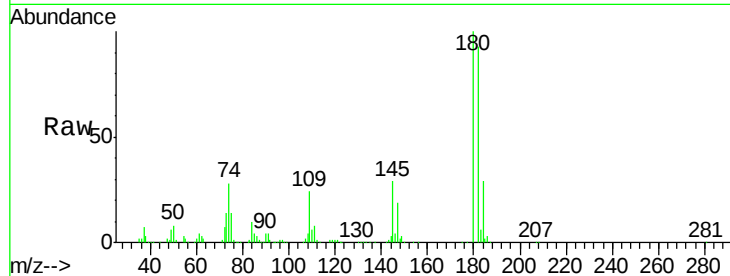
#93
 1,2,4-Trichlorobenzene
 Concen: 58.521 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139688		
182	95.2	48.7	146.1	
145	29.8	15.0	45.1	

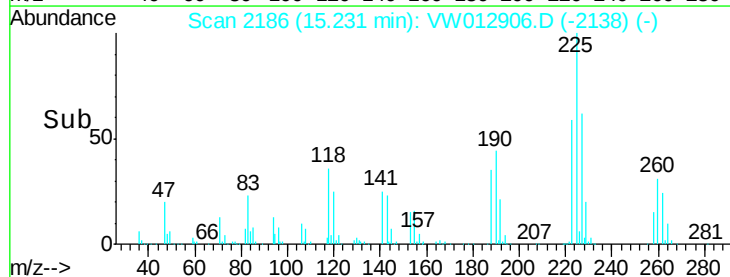
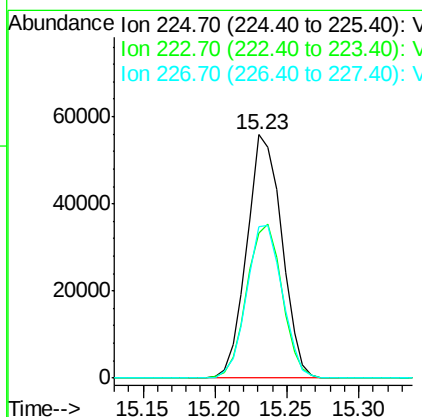
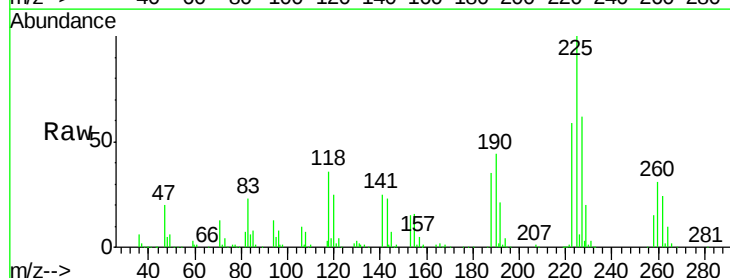
Manual Integrations
 APPROVED

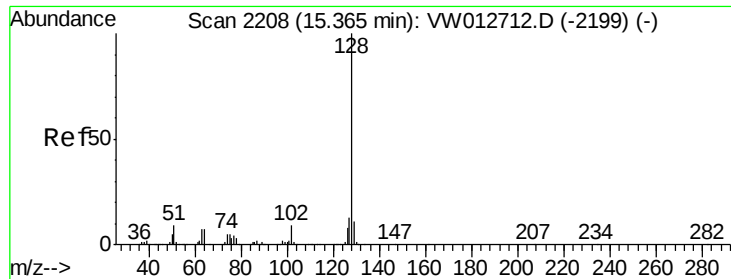
MMDadoda
 9/13/2019 1:32:22 AM



#94
 Hexachlorobutadiene
 Concen: 56.822 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012906.D
 Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93881		
223	63.7	31.1	93.3	
227	63.9	31.4	94.2	





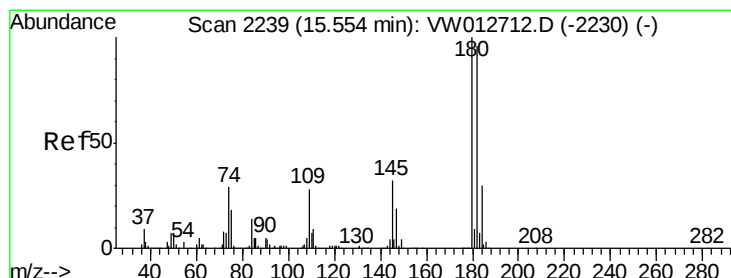
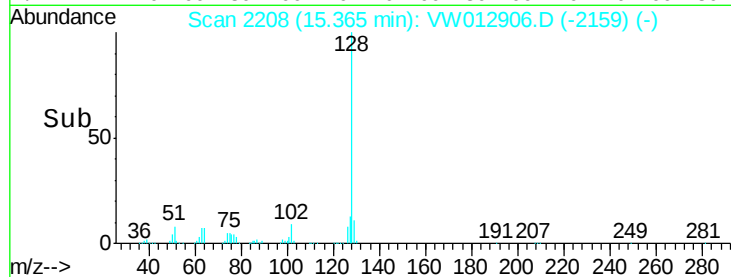
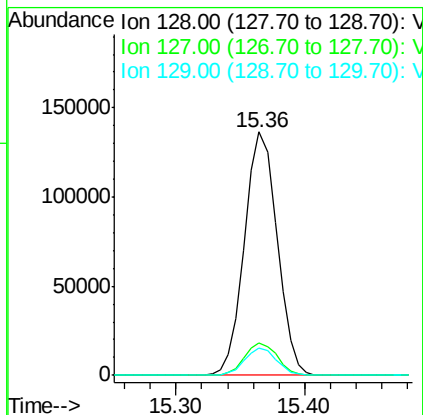
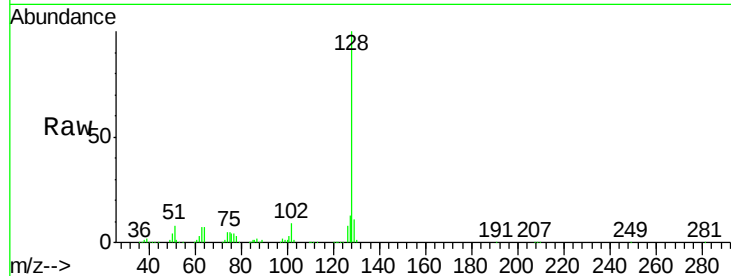
#95
Naphthalene
Concen: 48.101 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	239753		
127	13.2		10.7	16.1
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:32:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 58.021 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012906.D
Acq: 11 Sep 2019 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	122248		
182	94.3		47.8	143.3
145	30.6		15.4	46.2

