

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012174.D
 Acq On : 26 Aug 2019 16:12
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:21 AM

Quant Time: Aug 27 05:35:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	160681	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	148210	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
35) Dibromofluoromethane	7.88	113	119142	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
50) Toluene-d8	10.32	98	483807	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.62	95	167507	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	92912	61.629	ug/l	99
3) Chloromethane	2.21	50	128123	54.854	ug/l	99
4) Vinyl Chloride	2.36	62	162036	56.680	ug/l	99
5) Bromomethane	2.78	94	80359	55.504	ug/l	97
6) Chloroethane	2.92	64	90707	56.245	ug/l	98
7) Trichlorofluoromethane	3.25	101	90227	62.855	ug/l	99
8) Diethyl Ether	3.68	74	72730	53.378	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	135585	55.567	ug/l	99
10) Methyl Iodide	4.27	142	182242	55.201	ug/l	100
11) Tert butyl alcohol	5.18	59	45294	258.590	ug/l	100
12) 1,1-Dichloroethene	4.04	96	136456	55.563	ug/l	95
13) Acrolein	3.89	56	40159	243.566	ug/l	97
14) Allyl chloride	4.67	41	292096	55.634	ug/l	99
15) Acrylonitrile	5.37	53	185502	274.671	ug/l	99
16) Acetone	4.12	43	212960	286.234	ug/l	99
17) Carbon Disulfide	4.39	76	428987	57.798	ug/l	99
18) Methyl Acetate	4.67	43	97081	52.682	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	215310	54.213	ug/l	95
20) Methylene Chloride	4.91	84	144380	51.333	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	144375	54.821	ug/l	99
22) Diisopropyl ether	6.31	45	525708	54.019	ug/l	98
23) Vinyl Acetate	6.25	43	1687483	281.754	ug/l	99
24) 1,1-Dichloroethane	6.21	63	285822	53.940	ug/l	99
25) 2-Butanone	7.17	43	281214	278.149	ug/l	98
26) 2,2-Dichloropropane	7.17	77	167528	55.857	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	150230	53.392	ug/l	98
28) Bromochloromethane	7.51	49	113399	49.101	ug/l	99
29) Tetrahydrofuran	7.52	42	169334	279.167	ug/l	100
30) Chloroform	7.67	83	258242	53.268	ug/l	97
31) Cyclohexane	7.95	56	271718	51.829	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	210430	54.870	ug/l	99
36) 1,1-Dichloropropene	8.08	75	223115	56.491	ug/l	100
37) Ethyl Acetate	7.25	43	118532	54.767	ug/l	99
38) Carbon Tetrachloride	8.07	117	193422	56.582	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	251409	56.662	ug/l	99
40) Benzene	8.32	78	587627	54.488	ug/l	99
41) Methacrylonitrile	7.48	41	72466	56.968	ug/l	99
42) 1,2-Dichloroethane	8.40	62	184425	54.564	ug/l	100
43) Isopropyl Acetate	8.42	43	221105	55.153	ug/l	99
44) Trichloroethene	9.09	130	145468	55.486	ug/l	97
45) 1,2-Dichloropropane	9.37	63	156000	53.748	ug/l	100
46) Dibromomethane	9.46	93	72055	55.797	ug/l	98
47) Bromodichloromethane	9.64	83	189550	55.151	ug/l	98
48) Methyl methacrylate	9.43	41	108548	56.889	ug/l	99
49) 1,4-Dioxane	9.46	88	21005	1062.487	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	580376	284.626	ug/l	100
52) Toluene	10.38	92	360684	55.672	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	198311	56.645	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	237001	56.066	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100611	55.065	ug/l	99
56) Ethyl methacrylate	10.65	69	152864	57.484	ug/l	99
57) 1,3-Dichloropropane	10.93	76	189605	54.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	360096	263.849	ug/l	99
59) 2-Hexanone	10.97	43	423191	293.316	ug/l	100
60) Dibromochloromethane	11.13	129	113598	55.819	ug/l	99
61) 1,2-Dibromoethane	11.23	107	94484	55.507	ug/l	99
64) Tetrachloroethene	10.86	164	119587	55.328	ug/l	98
65) Chlorobenzene	11.66	112	354547	54.009	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	123339	53.857	ug/l	98
67) Ethyl Benzene	11.73	91	691098	54.651	ug/l	100
68) m/p-Xylenes	11.84	106	505053	110.877	ug/l	99
69) o-Xylene	12.16	106	231627	54.942	ug/l	99
70) Styrene	12.18	104	402832	55.203	ug/l	99
71) Bromoform	12.35	173	63491	55.645	ug/l #	99
73) Isopropylbenzene	12.46	105	649071	53.909	ug/l	99
74) N-amyl acetate	12.27	43	206138	56.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119829	54.288	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81863m	52.311	ug/l	
77) Bromobenzene	12.75	156	138813	53.293	ug/l	100
78) n-propylbenzene	12.80	91	806891	54.896	ug/l	99
79) 2-Chlorotoluene	12.89	91	447639	53.642	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	551237	54.791	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41182	57.698	ug/l	98
82) 4-Chlorotoluene	12.99	91	474799	54.339	ug/l	100
83) tert-Butylbenzene	13.21	119	473485	55.559	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	550207	54.443	ug/l	100
85) sec-Butylbenzene	13.38	105	669634	54.845	ug/l	100
86) p-Isopropyltoluene	13.50	119	603865	55.381	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	274920	53.961	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	271437	53.657	ug/l	100
89) n-Butylbenzene	13.82	91	607422	56.019	ug/l	99
90) Hexachloroethane	14.09	117	106499	55.670	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	241730	54.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20635	55.453	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	175270	56.746	ug/l	100
94) Hexachlorobutadiene	15.24	225	113040	55.427	ug/l	99
95) Naphthalene	15.36	128	324607	53.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	152043	56.421	ug/l	97

(#) = 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: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 244843

Ion Ratio Lower Upper

168 100

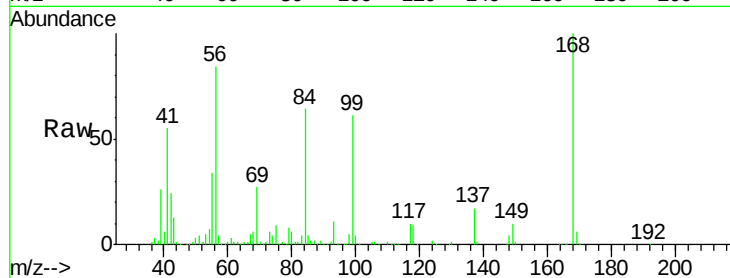
99 60.6 49.2 73.8

Manual Integrations

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8/27/2019 11:04:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

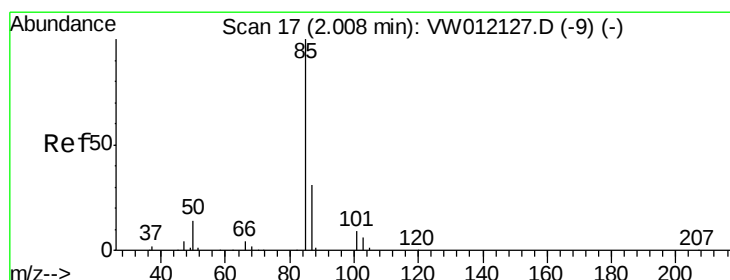
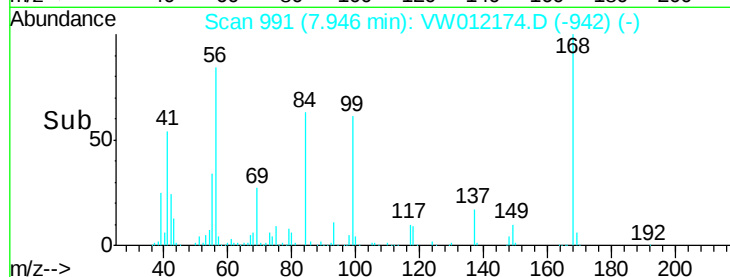
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 61.629 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012174.D

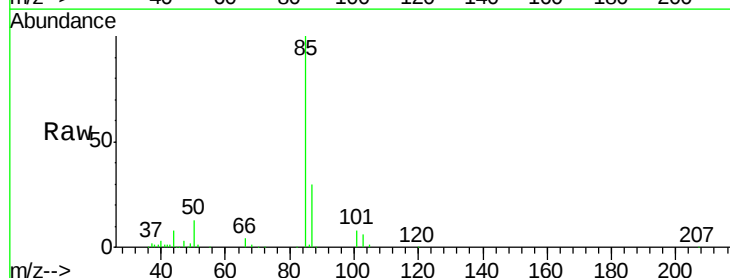
Acq: 26 Aug 2019 16:12

Tgt Ion: 85 Resp: 92912

Ion Ratio Lower Upper

85 100

87 30.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

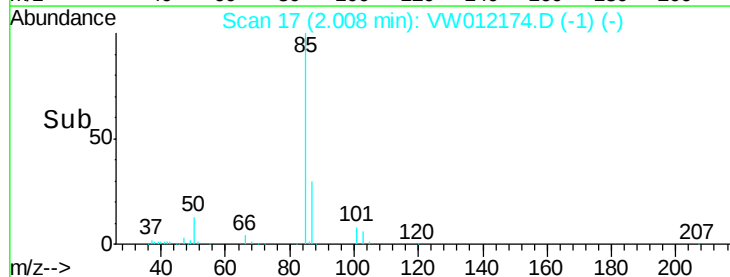
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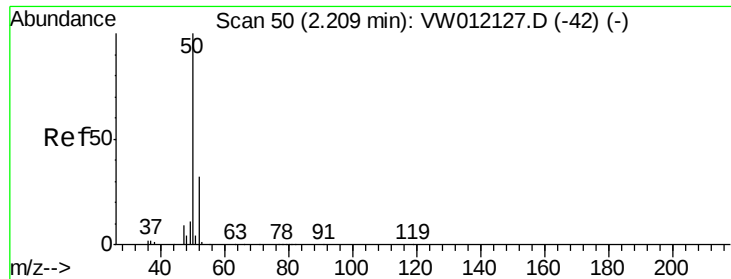
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 54.854 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 128123

Ion Ratio Lower Upper

50 100

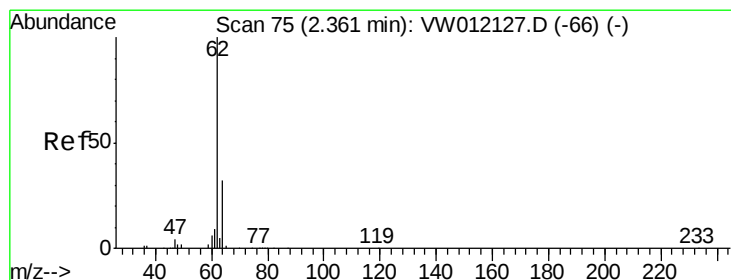
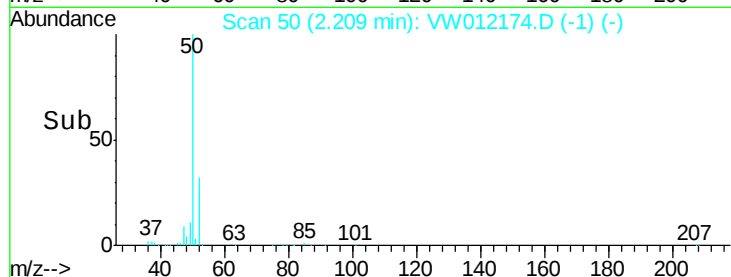
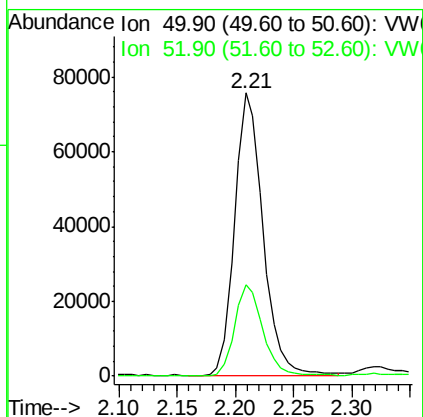
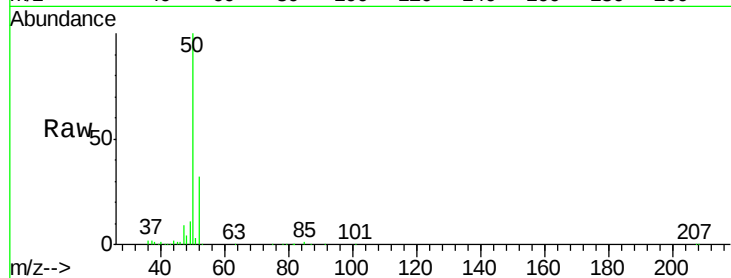
52 32.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.680 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012174.D

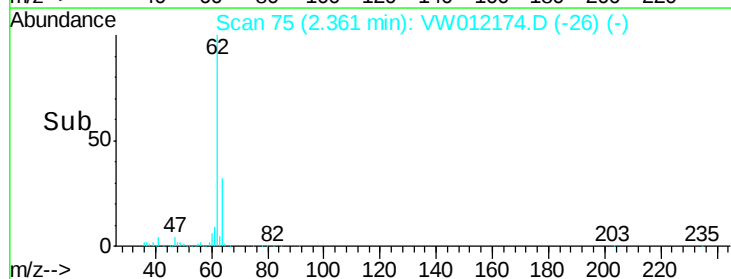
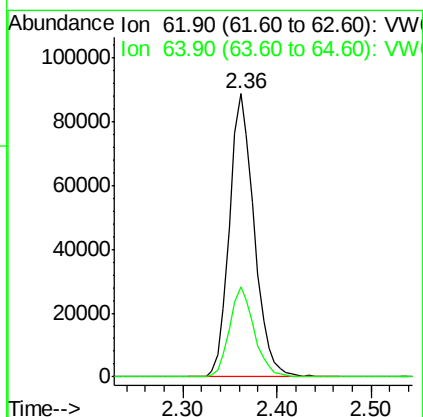
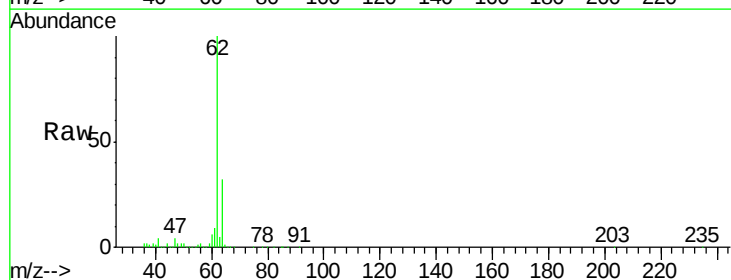
Acq: 26 Aug 2019 16:12

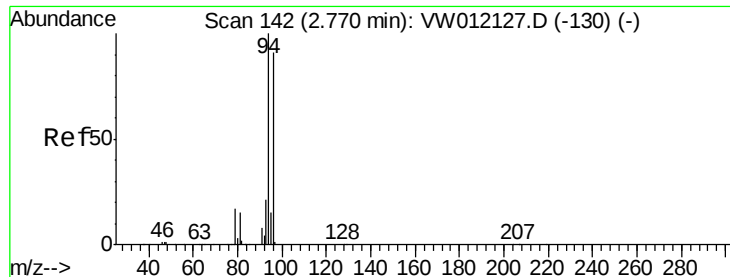
Tgt Ion: 62 Resp: 162036

Ion Ratio Lower Upper

62 100

64 32.0 25.3 37.9





#5

Bromomethane

Concen: 55.504 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 80359

Ion Ratio Lower Upper

94 100

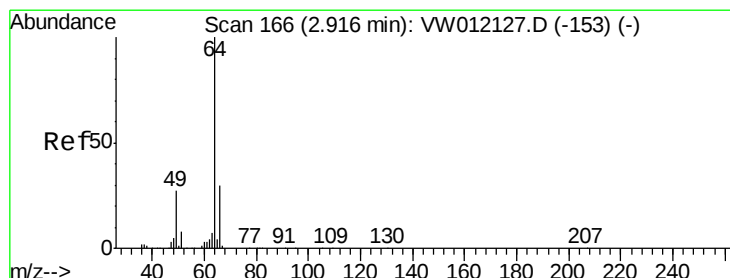
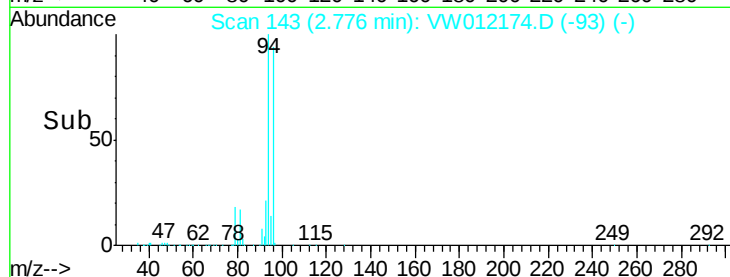
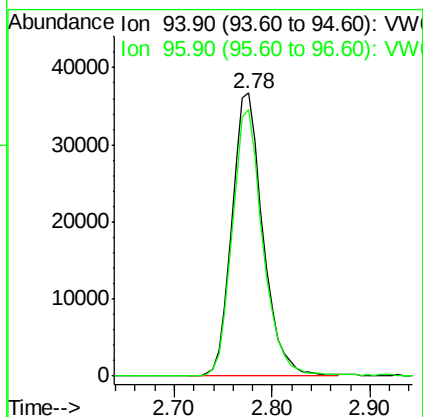
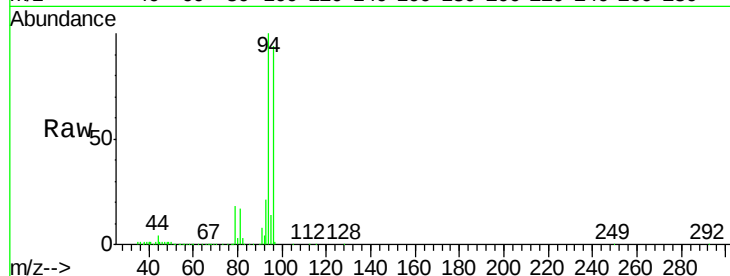
96 94.2 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 56.245 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012174.D

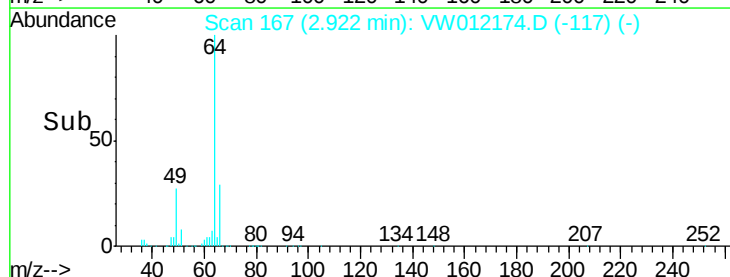
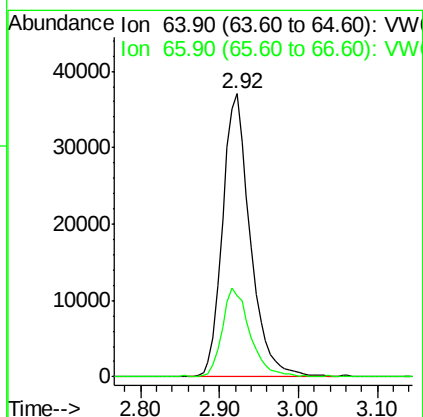
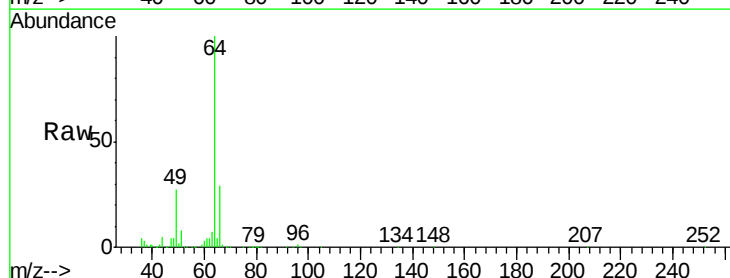
Acq: 26 Aug 2019 16:12

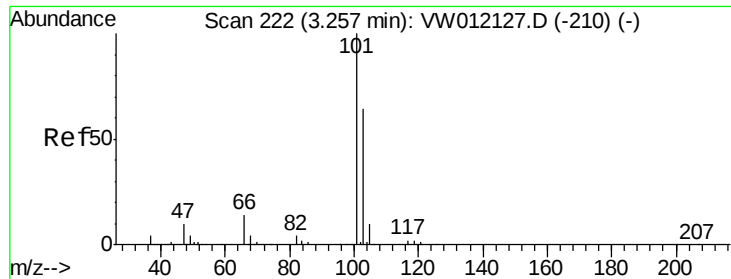
Tgt Ion: 64 Resp: 90707

Ion Ratio Lower Upper

64 100

66 28.6 23.8 35.8





#7

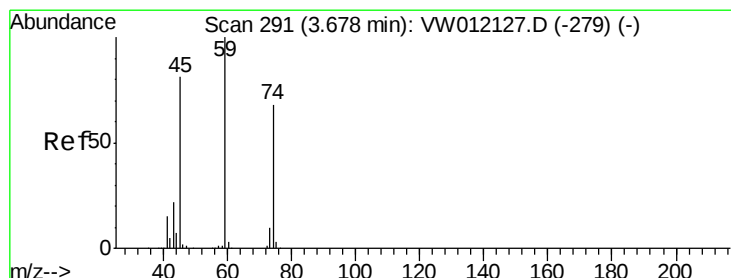
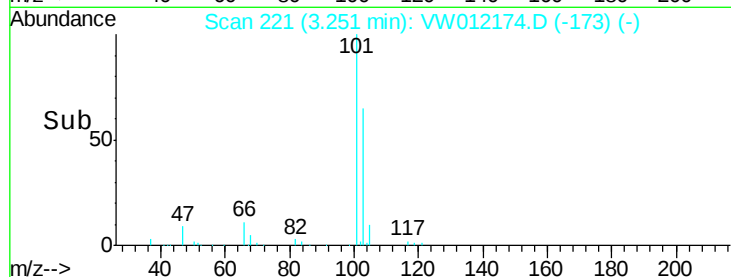
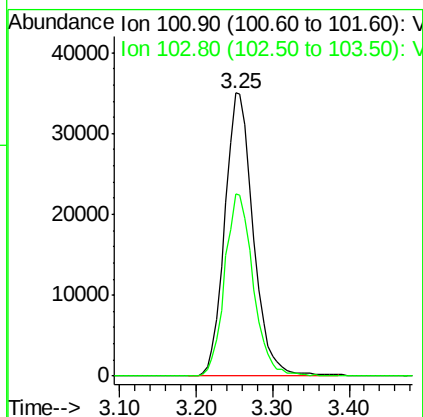
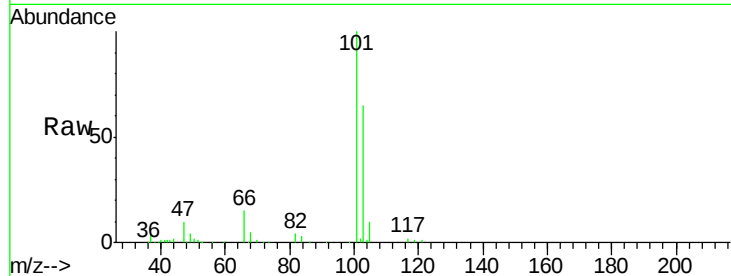
Trichlorofluoromethane
 Concen: 62.855 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012174.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	90227		
103	64.5	51.2	76.8	

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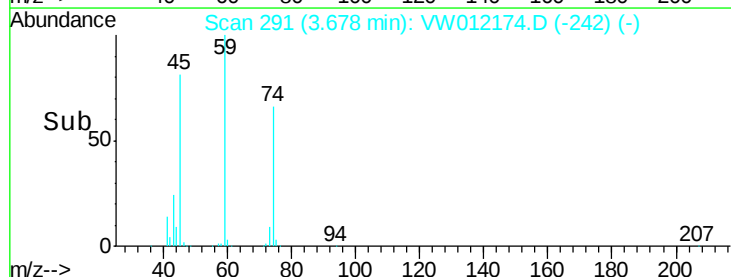
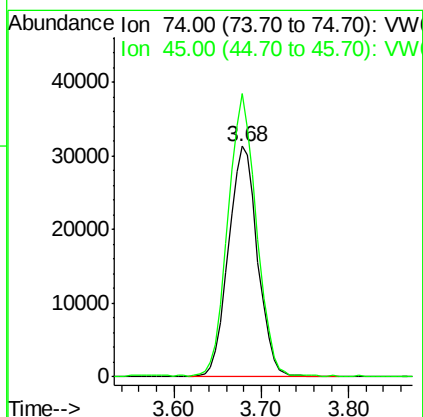
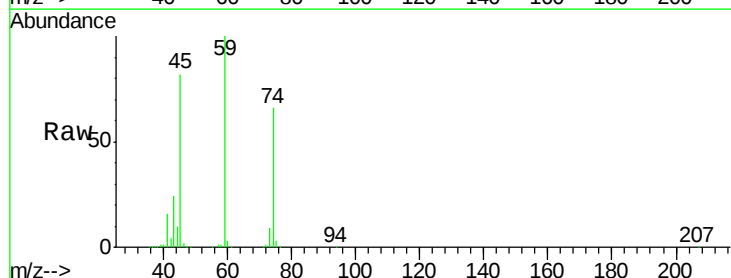
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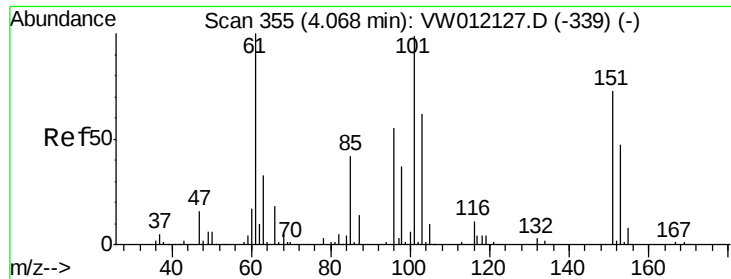


#8

Diethyl Ether
 Concen: 53.378 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	72730		
45	119.5	59.2	177.6	





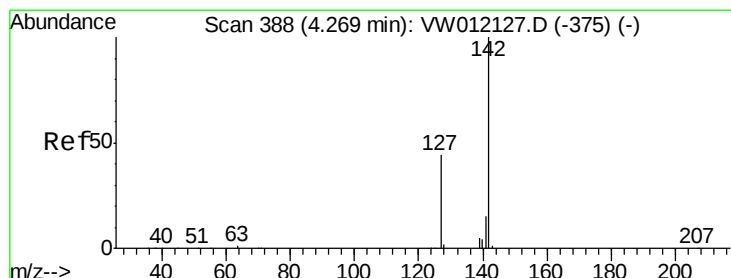
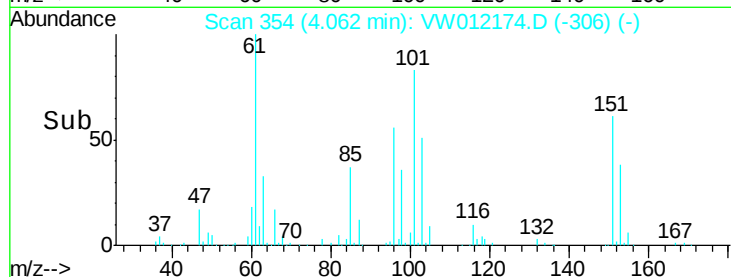
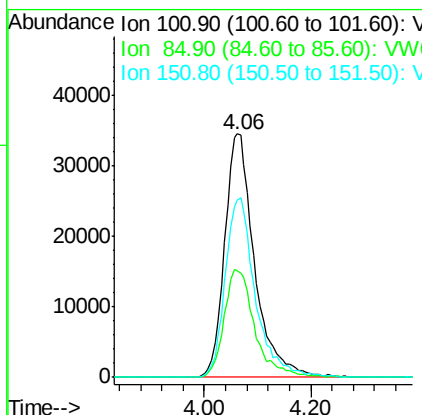
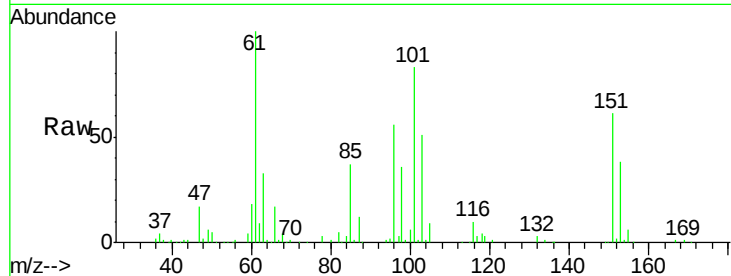
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.567 ug/l
RT: 4.06 min Scan# 354
Delta R.T. -0.01 min
Lab File: VW012174.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	135585		
85	45.2	35.8	53.6	
151	74.3	58.6	87.8	

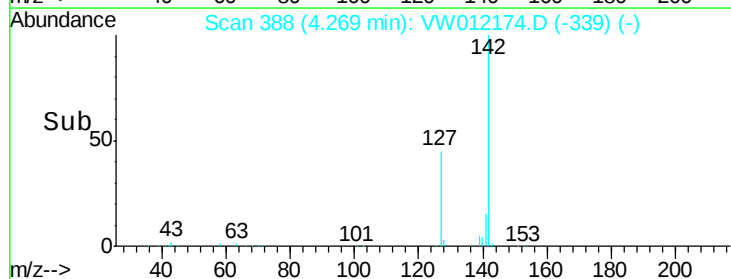
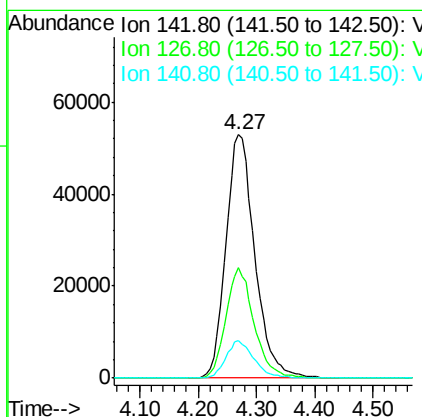
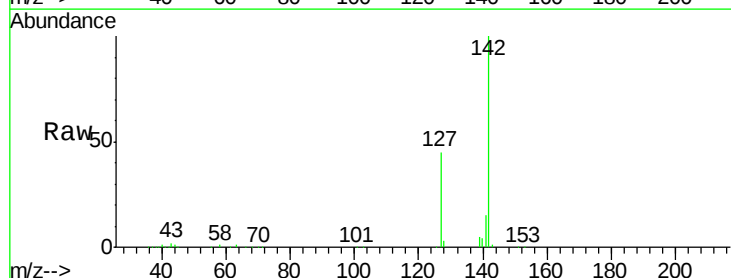
Manual Integrations
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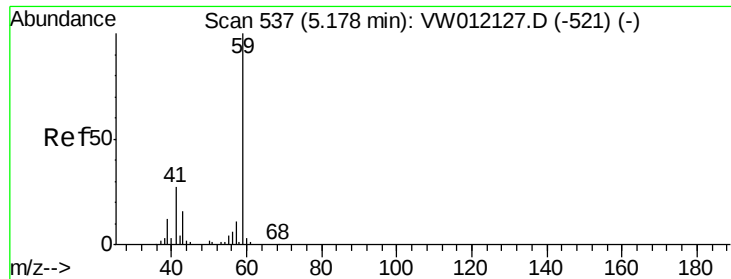
MMDadoda
8/27/2019 11:04:21 AM



#10
Methyl Iodide
Concen: 55.201 ug/l
RT: 4.27 min Scan# 388
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	182242		
127	44.1	35.5	53.3	
141	15.0	11.8	17.8	





#11

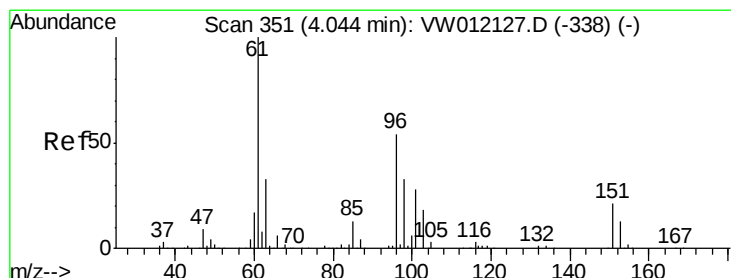
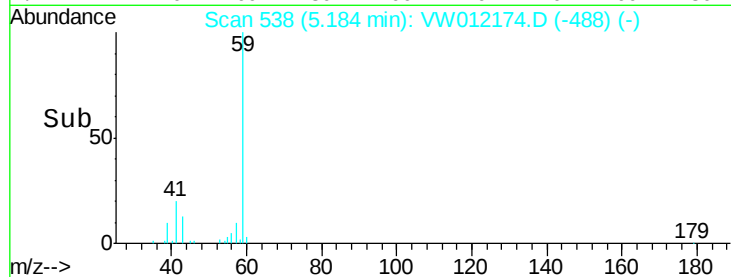
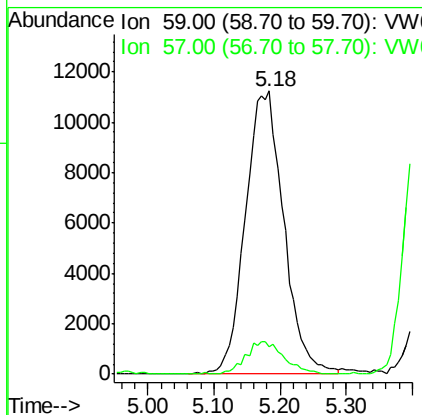
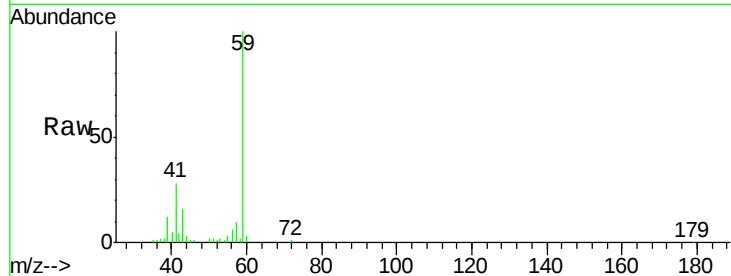
Tert butyl alcohol
Concen: 258.590 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	11.3	Resp:	45294	Lower	9.0	Upper	13.4
Ion											

Manual Integrations
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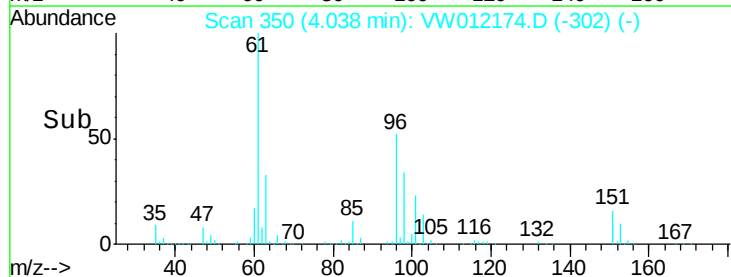
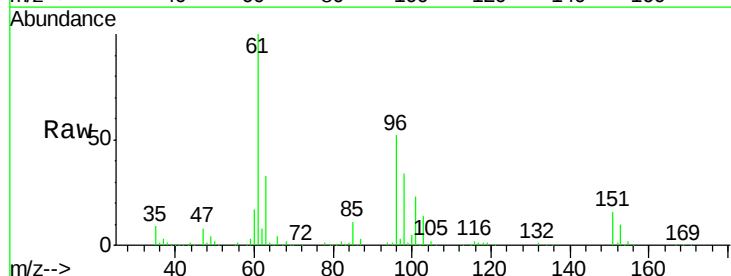
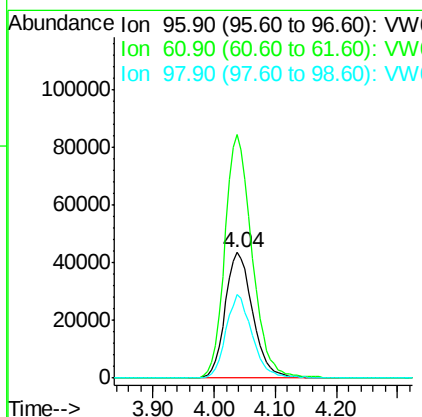
MMDadoda
8/27/2019 11:04:21 AM

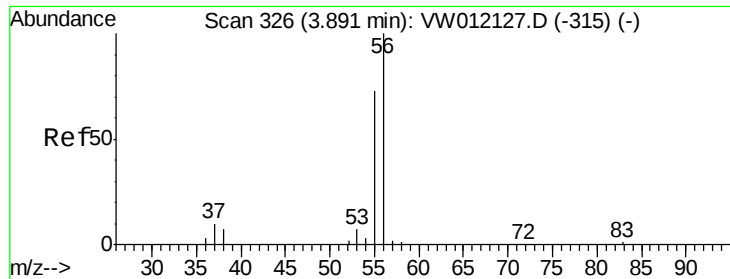


#12

1,1-Dichloroethene
Concen: 55.563 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	96	61	98	Ratio	100	193.4	66.0	Resp:	136456	Lower	149.1	49.4	Upper	223.7	74.2
Ion															





#13

Acrolein

Concen: 243.566 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40159

Ion Ratio Lower Upper

56 100

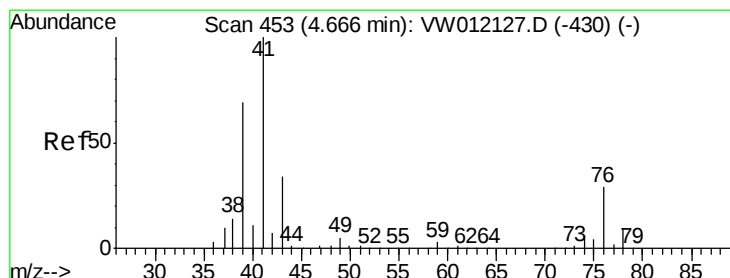
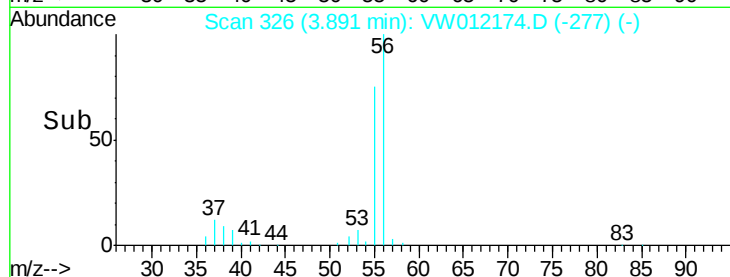
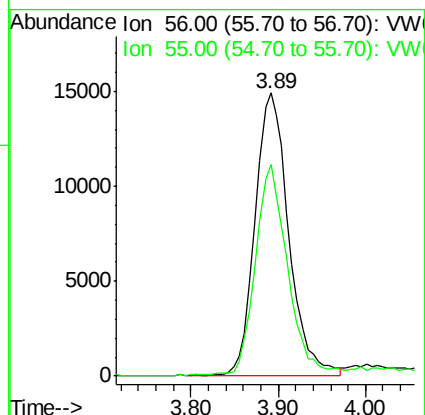
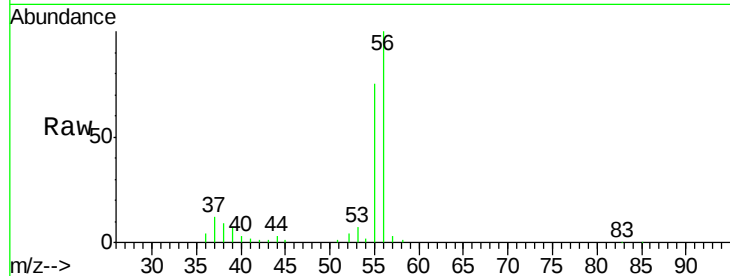
55 72.2 55.8 83.8

Manual Integrations

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MMDadoda

8/27/2019 11:04:21 AM



#14

Allyl chloride

Concen: 55.634 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

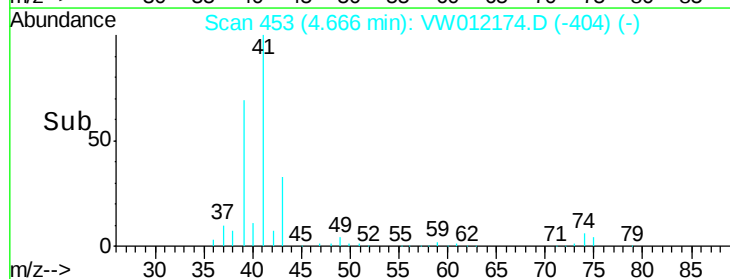
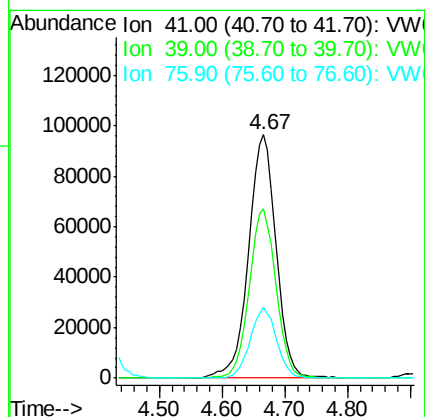
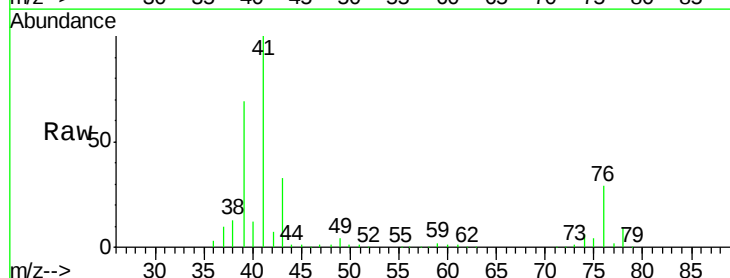
Tgt Ion: 41 Resp: 292096

Ion Ratio Lower Upper

41 100

39 67.7 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 274.671 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

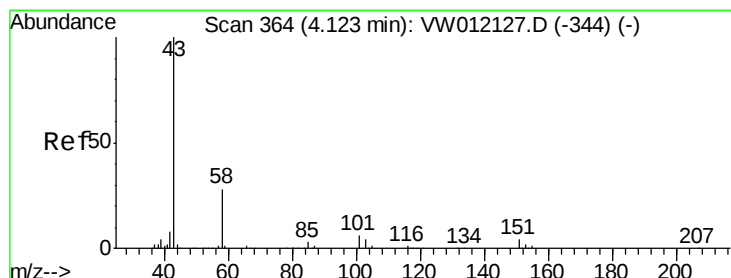
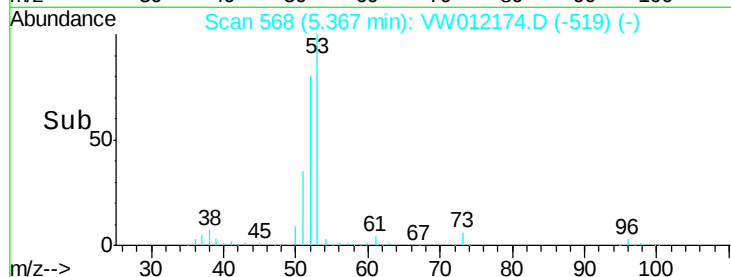
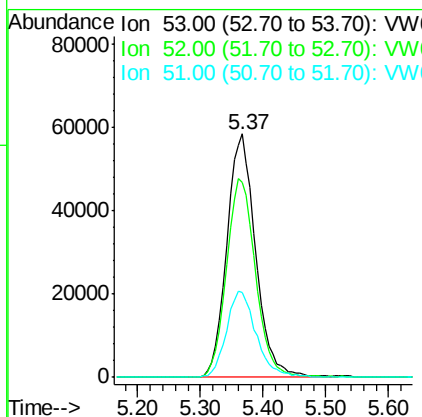
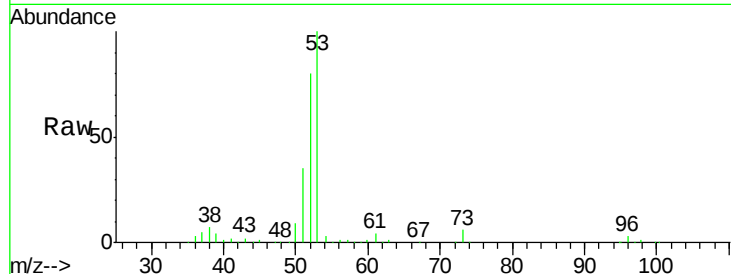
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	185502
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	36.9	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 286.234 ug/l

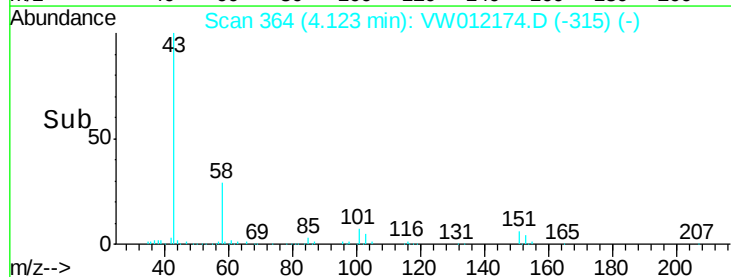
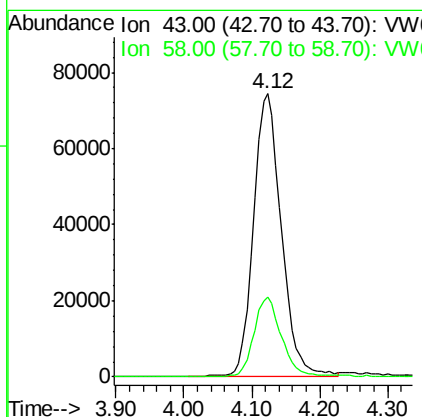
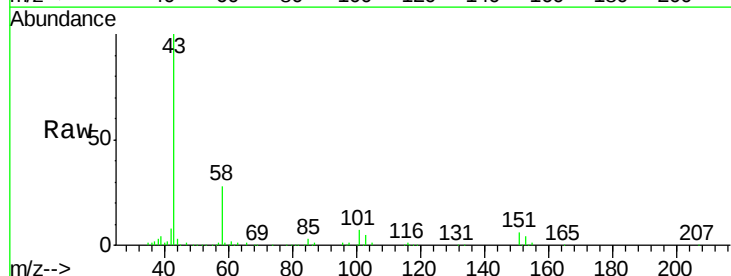
RT: 4.12 min Scan# 364

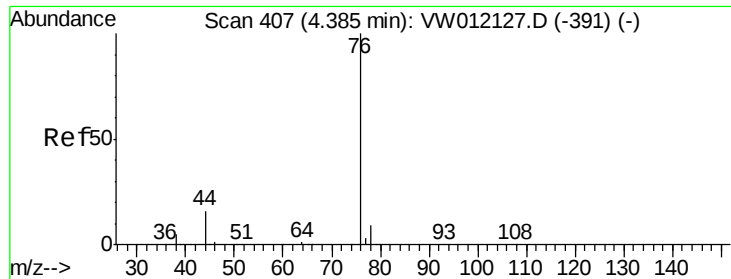
Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Tgt Ion:	43	Resp:	212960
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.4	33.6





#17

Carbon Disulfide

Concen: 57.798 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 428987

Ion Ratio Lower Upper

76 100

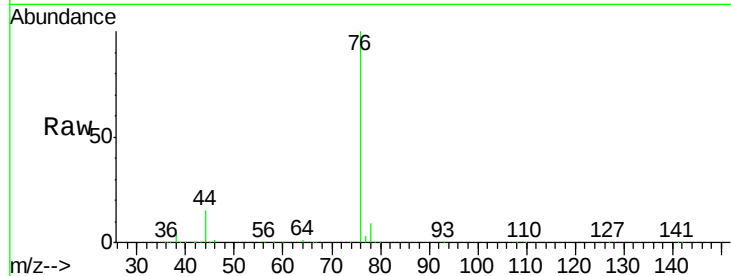
78 9.4 7.3 10.9

Manual Integrations

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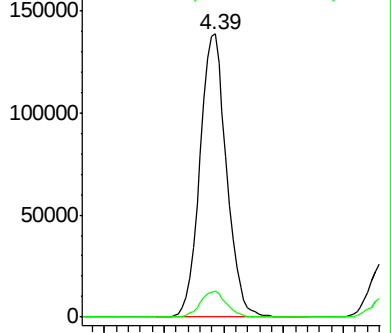
MMDadoda

8/27/2019 11:04:21 AM

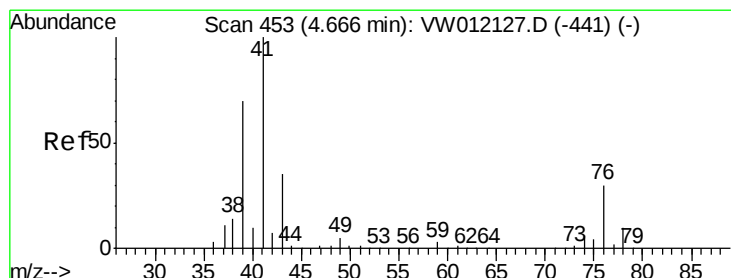
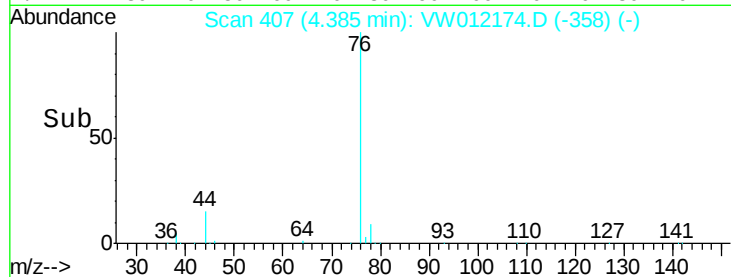


Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



Time-->



#18

Methyl Acetate

Concen: 52.682 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012174.D

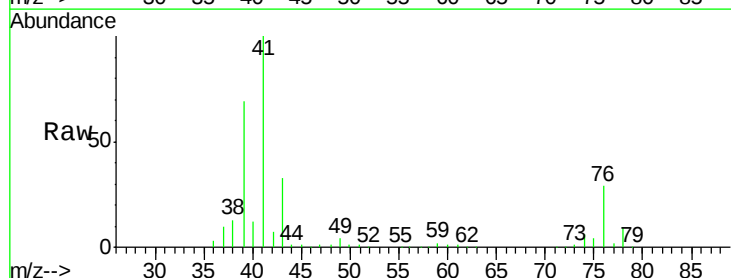
Acq: 26 Aug 2019 16:12

Tgt Ion: 43 Resp: 97081

Ion Ratio Lower Upper

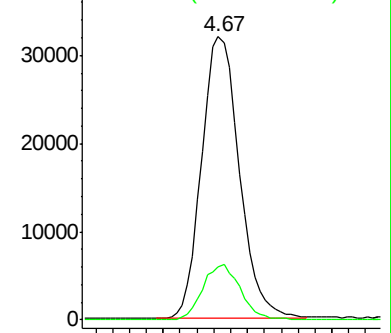
43 100

74 19.8 15.7 23.5

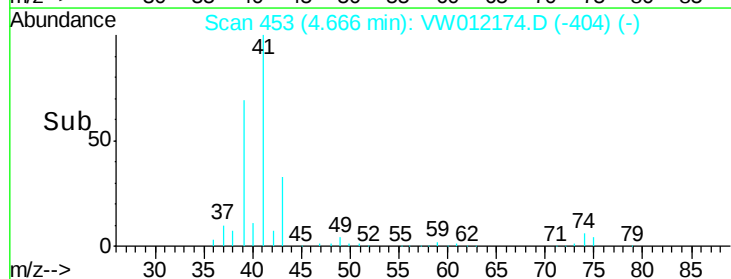


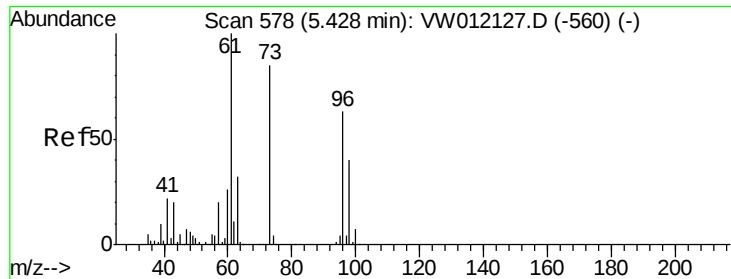
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



Time-->





#19

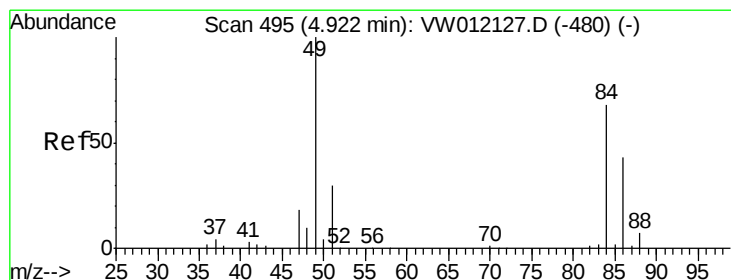
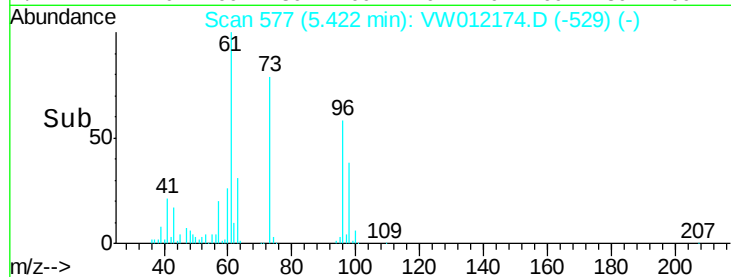
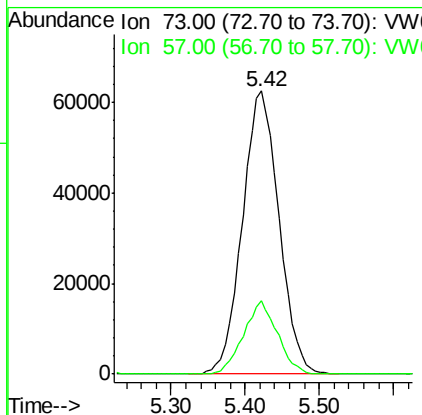
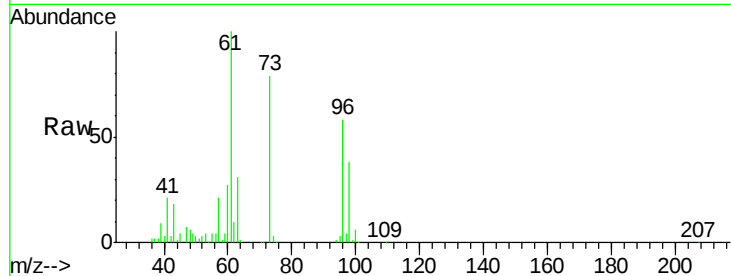
Methvl tert-butvl Ether
 Concen: 54.213 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	26.2	18.9	28.3

Manual Integrations
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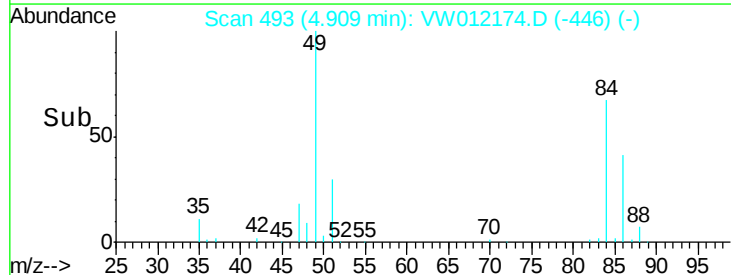
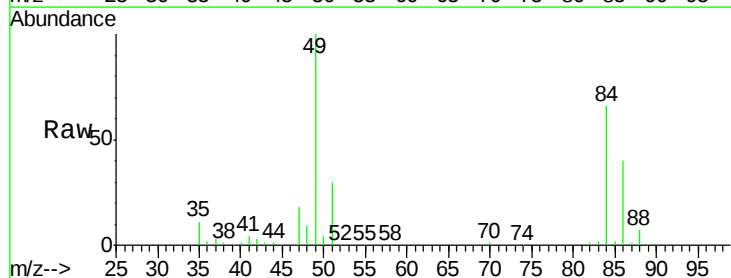
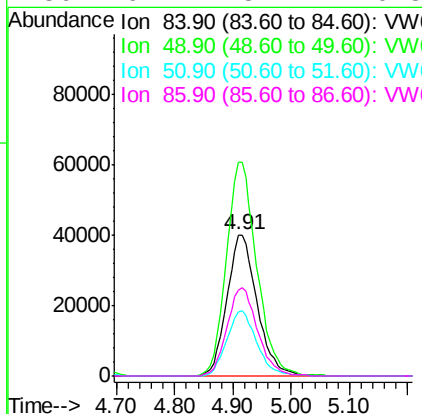
MMDadoda
 8/27/2019 11:04:21 AM

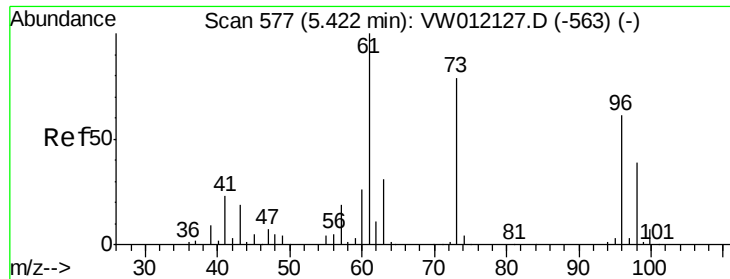


#20

Methylene Chloride
 Concen: 51.333 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.9	117.8	176.8
51	44.9	35.6	53.4
86	61.1	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 54.821 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 144375

Ion Ratio Lower Upper

96 100

61 162.9 131.4 197.0

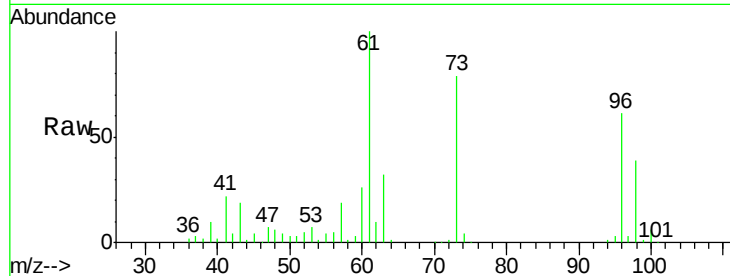
98 63.1 51.4 77.0

Manual Integrations

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8/27/2019 11:04:21 AM

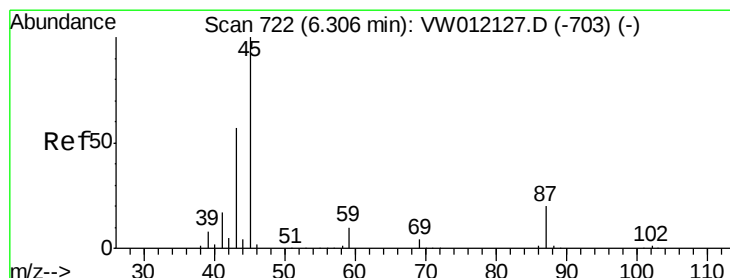
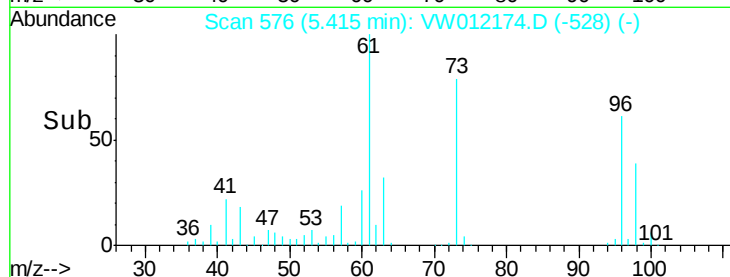
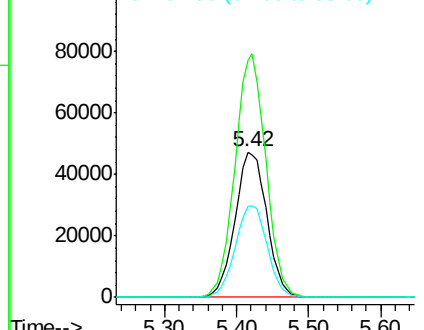


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.019 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Tgt Ion: 45 Resp: 525708

Ion Ratio Lower Upper

45 100

43 55.1 45.5 68.3

87 20.7 16.1 24.1

59 10.4 8.2 12.2

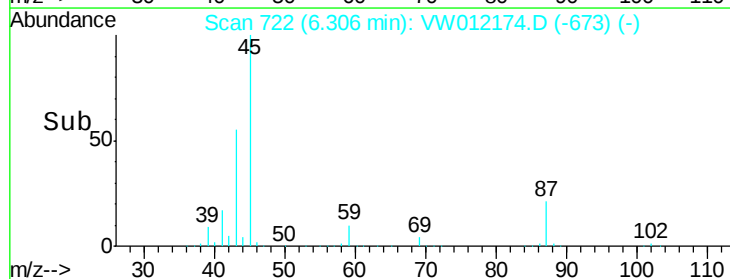
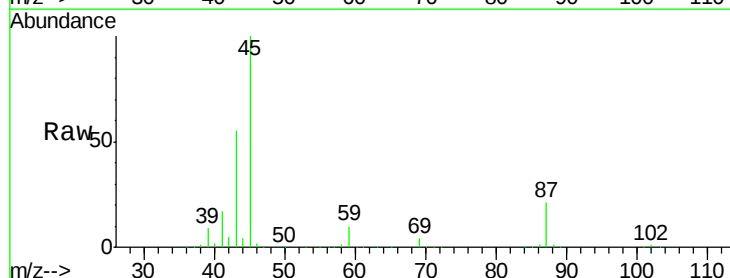
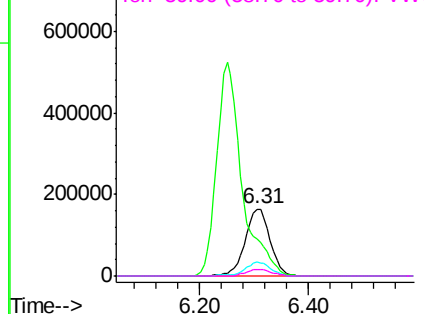
Abundance

Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 281.754 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1687483

Ion Ratio Lower Upper

43 100

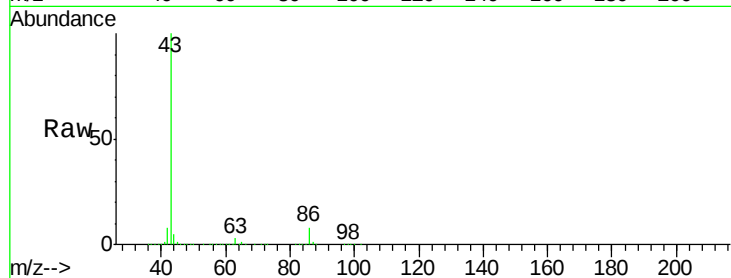
86 7.9 6.5 9.7

Manual Integrations

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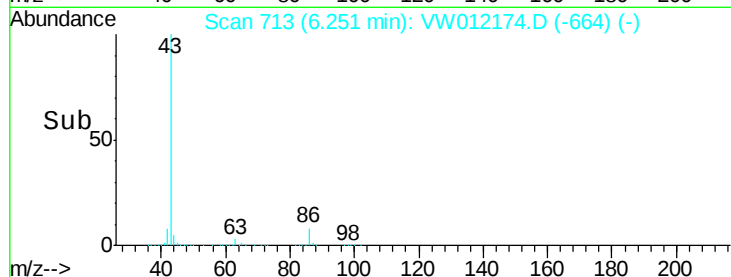


Abundance Ion 43.00 (42.70 to 43.70): VW

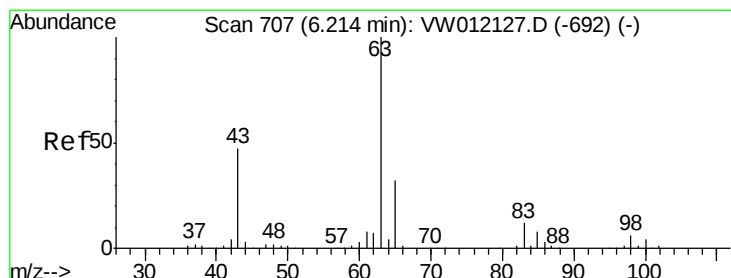
Ion 86.00 (85.70 to 86.70): VW

6.25

6.20 6.40



Time-->



#24

1,1-Dichloroethane

Concen: 53.940 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

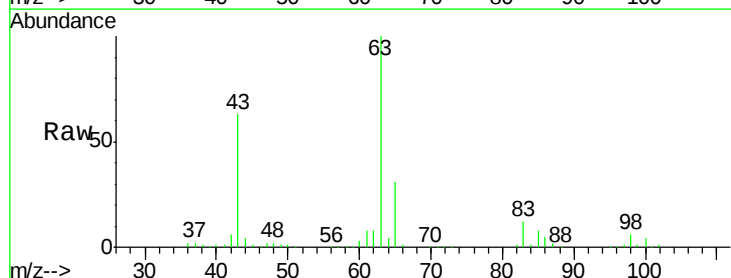
Tgt Ion: 63 Resp: 285822

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.8 2.0 6.0



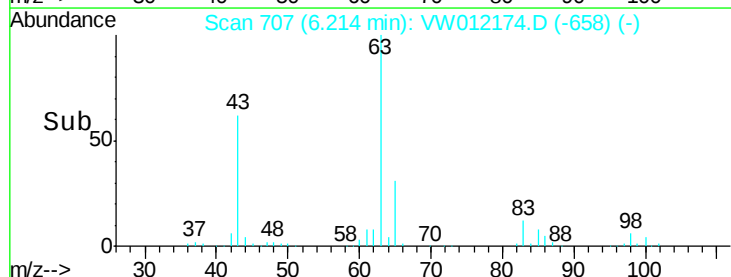
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

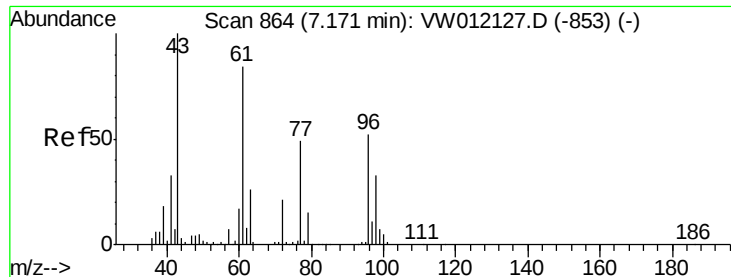
Ion 99.90 (99.60 to 100.60): VW

6.21

6.10 6.20 6.30



Time-->



#25

2-Butanone

Concen: 278.149 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 281214

Ion Ratio Lower Upper

43 100

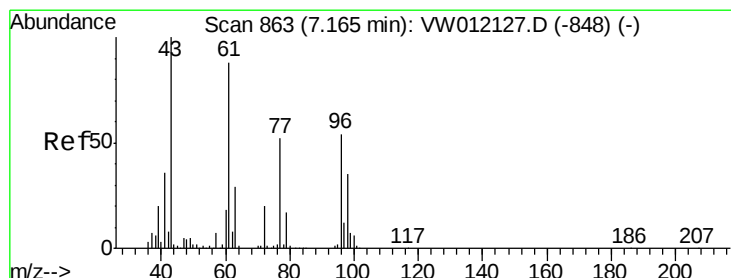
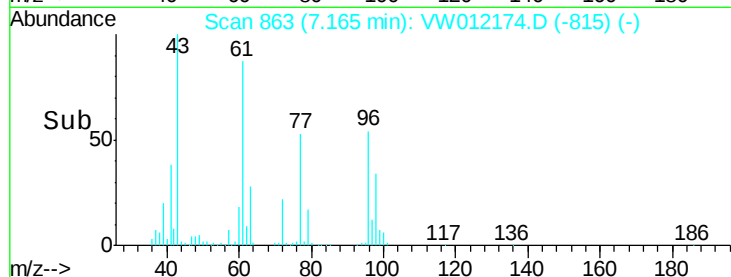
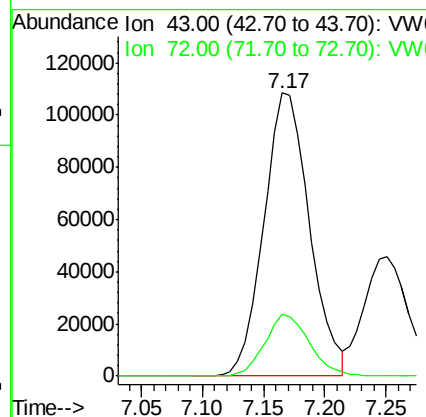
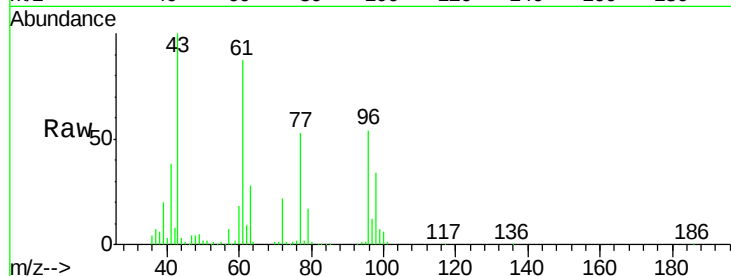
72 21.7 16.6 24.8

Manual Integrations

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MMDadoda

8/27/2019 11:04:21 AM



#26

2,2-Dichloropropane

Concen: 55.857 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012174.D

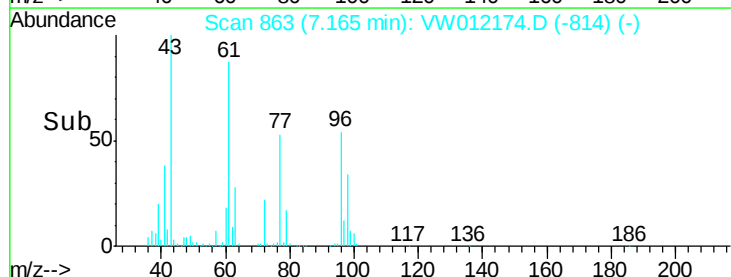
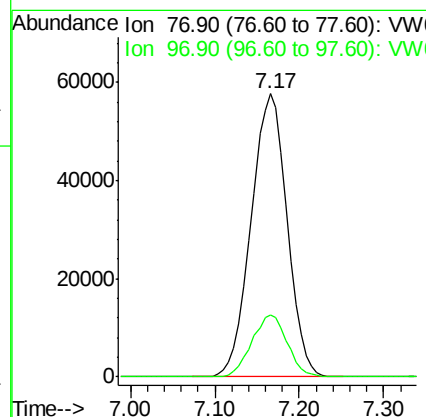
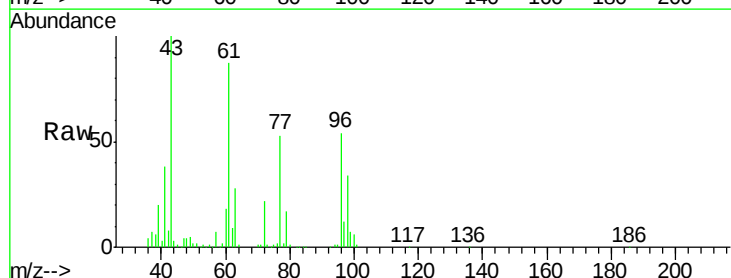
Acq: 26 Aug 2019 16:12

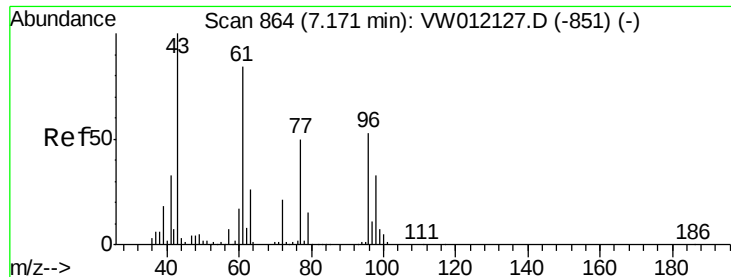
Tgt Ion: 77 Resp: 167528

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.1





#27

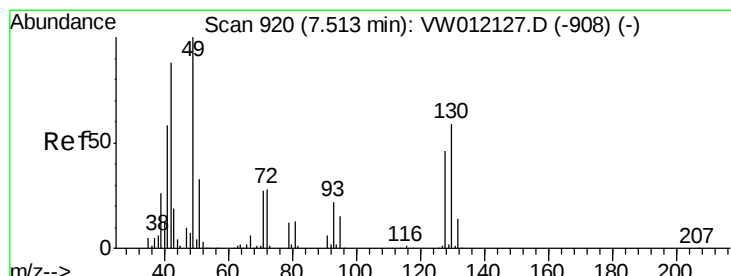
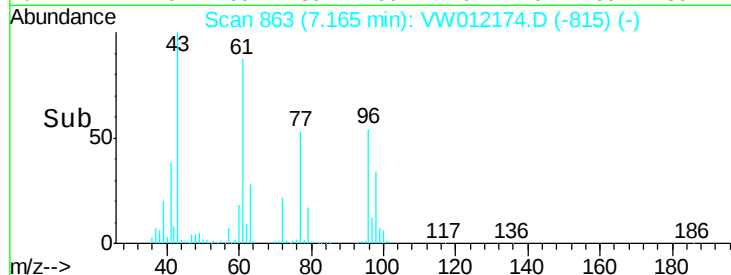
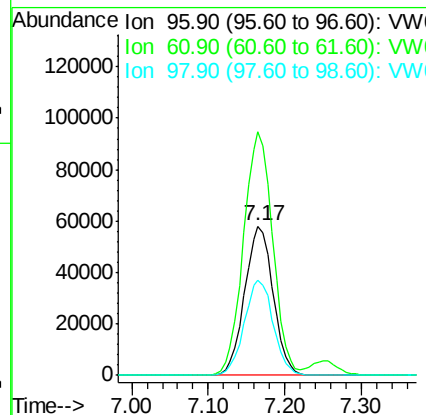
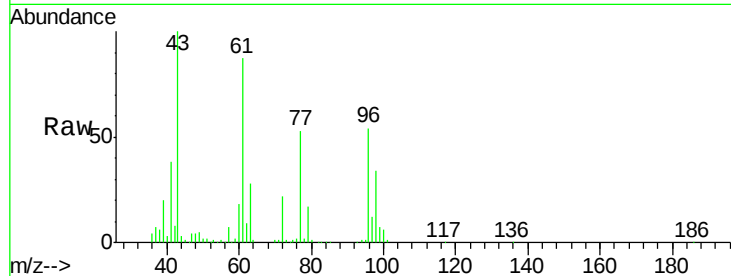
cis-1,2-Dichloroethene
Concen: 53.392 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150230		
61	167.1	0.0	326.6	
98	64.8	0.0	127.4	

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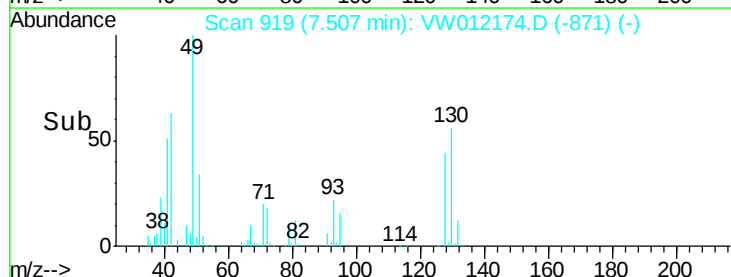
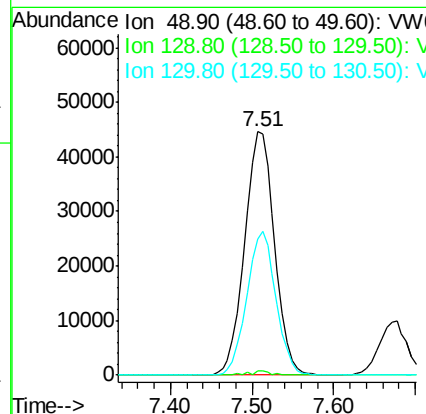
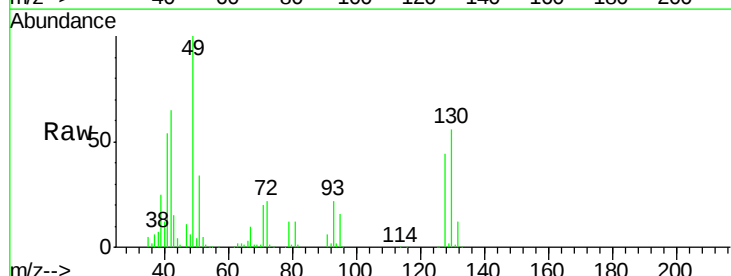
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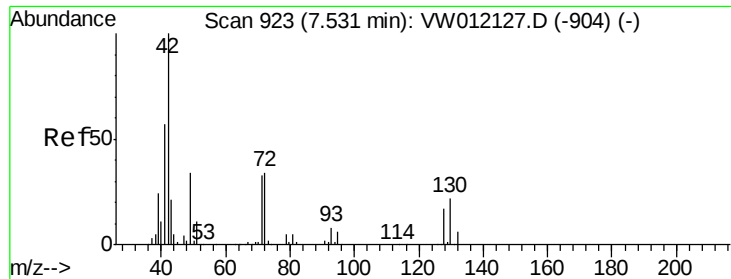


#28

Bromochloromethane
Concen: 49.101 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113399		
129	1.1	0.0	1.4	
130	57.5	45.5	68.3	





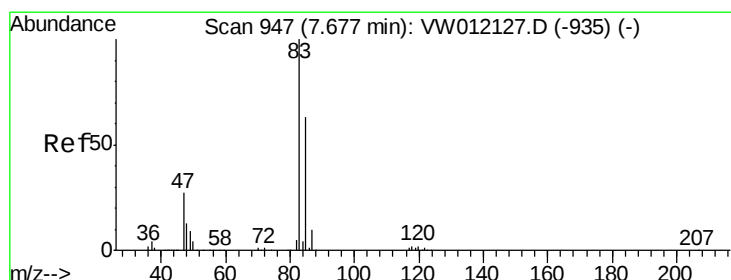
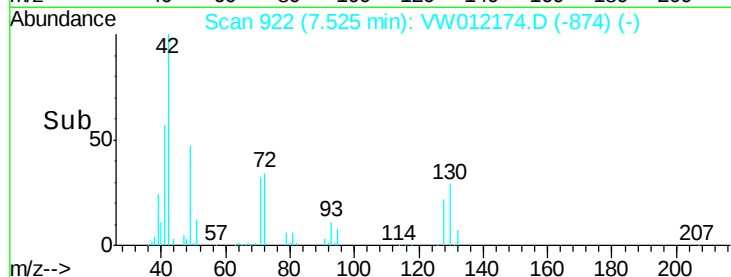
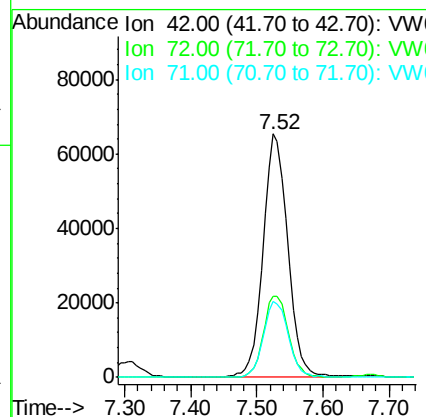
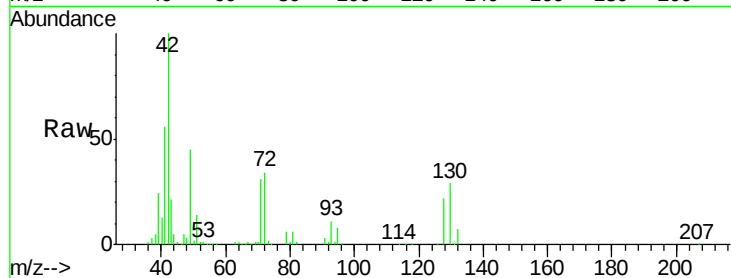
#29
Tetrahydrofuran
Concen: 279.167 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.3	40.9
71	31.6	25.5	38.3

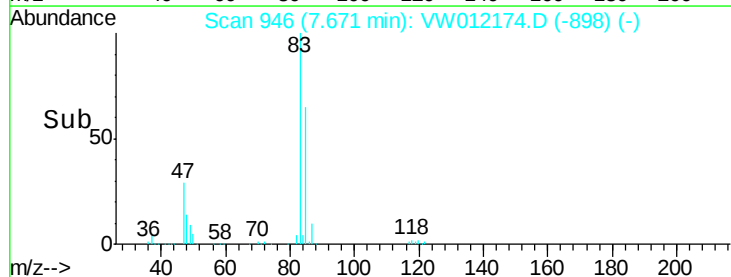
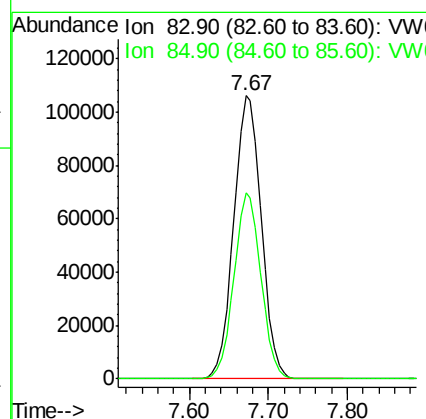
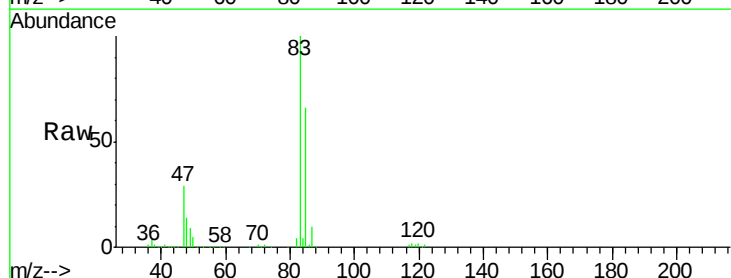
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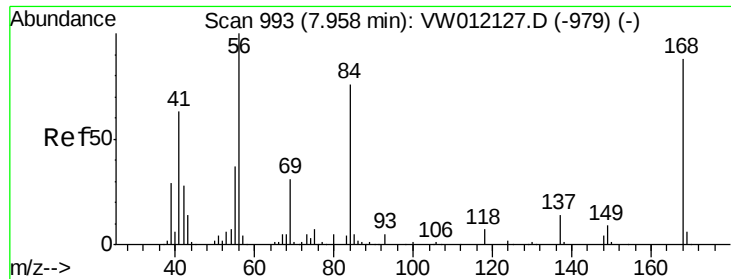
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#30
Chloroform
Concen: 53.268 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.6	76.0





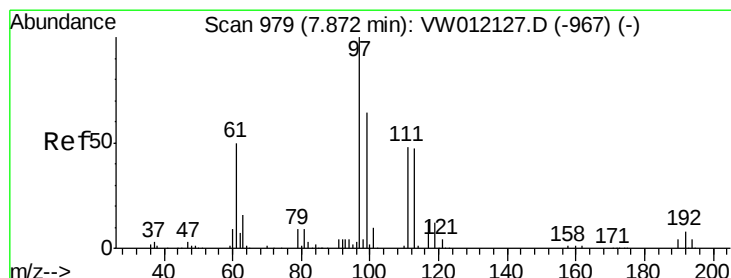
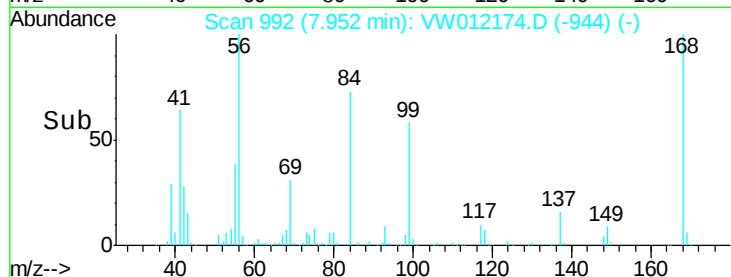
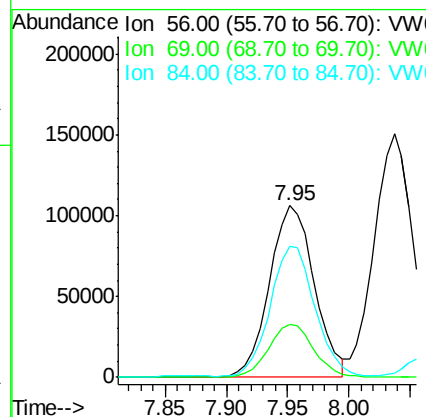
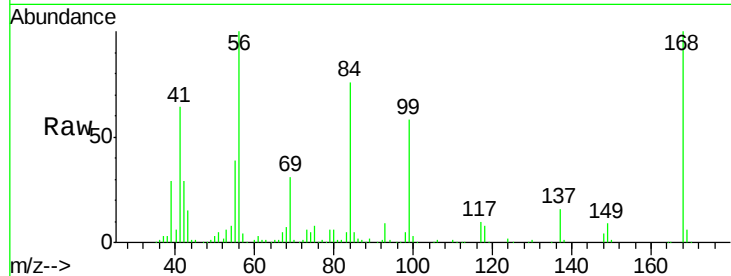
#31
Cyclohexane
Concen: 51.829 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.9	37.3
84	74.7	60.6	90.8

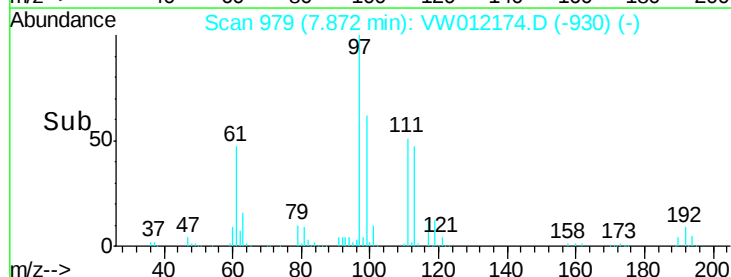
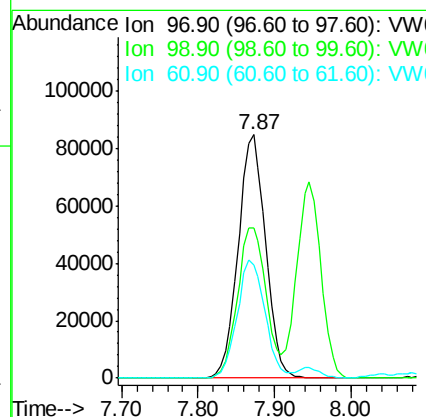
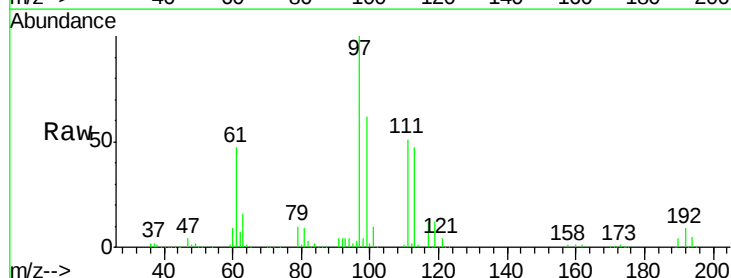
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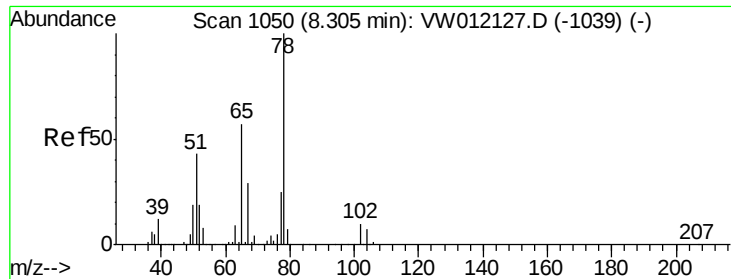
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#32
1,1,1-Trichloroethane
Concen: 54.870 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	49.5	39.5	59.3





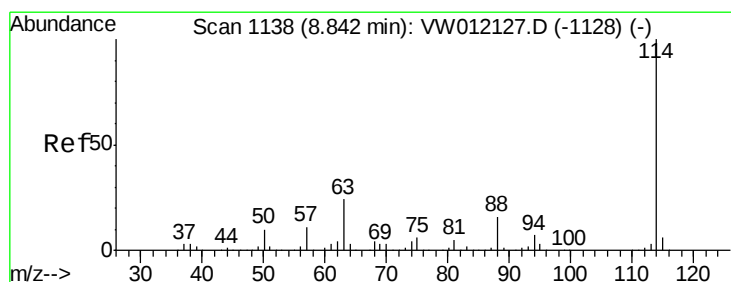
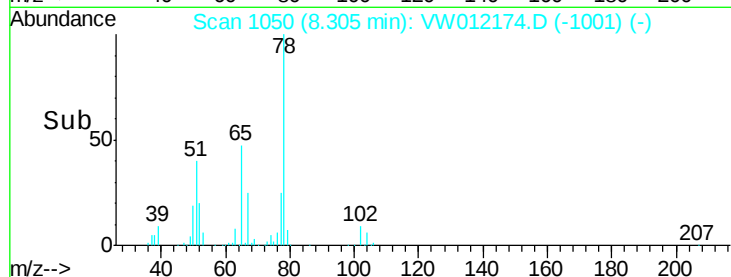
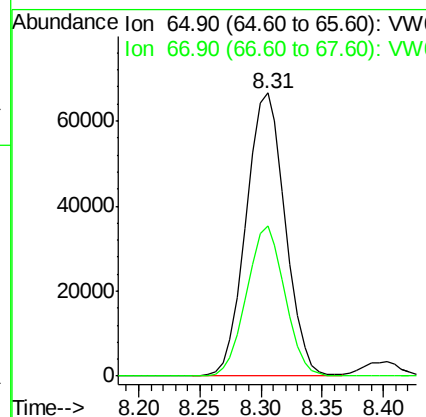
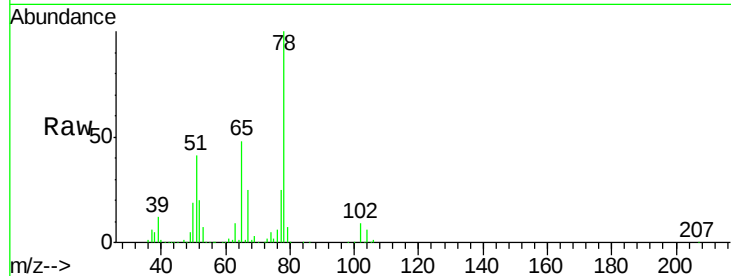
#33
 1,2-Dichloroethane-d4
 Concen: 50.921 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	148210		
67	51.8	0.0	102.6	

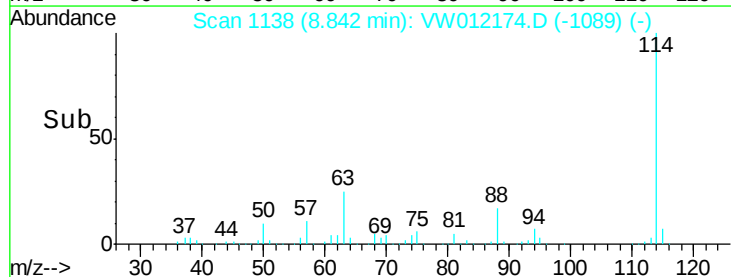
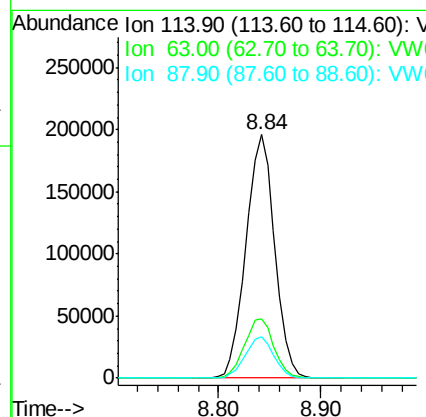
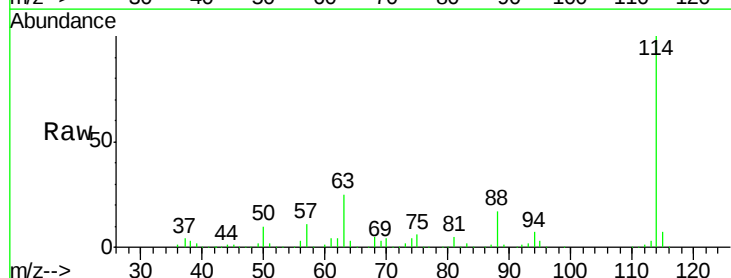
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	382197		
63	24.5	0.0	48.6	
88	17.2	0.0	32.2	





#35

Dibromofluoromethane

Concen: 52.224 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

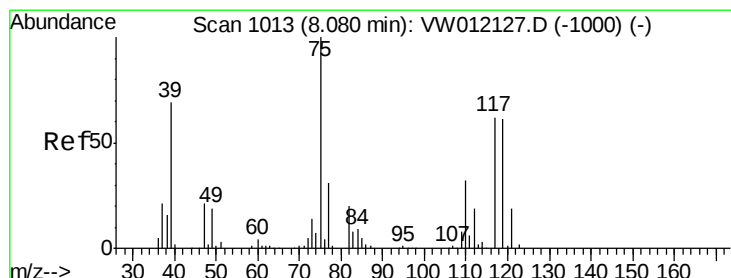
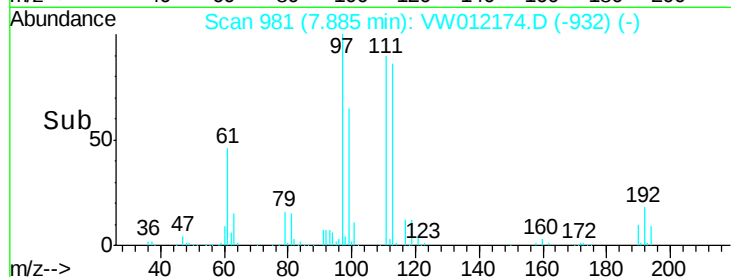
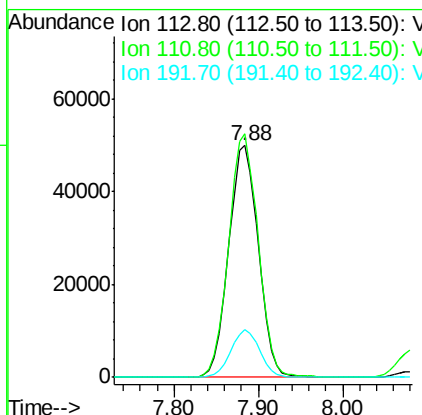
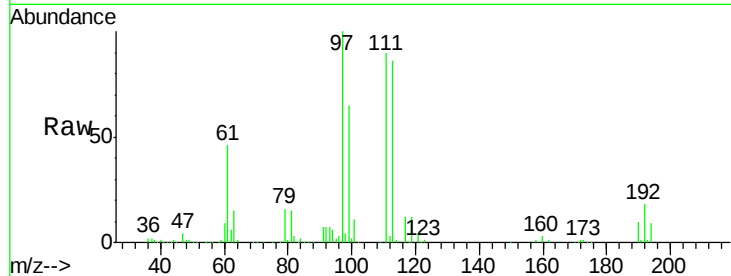
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	119142
Ion Ratio	Lower	Upper	
113	100		
111	104.1	82.7	124.1
192	20.1	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 56.491 ug/l

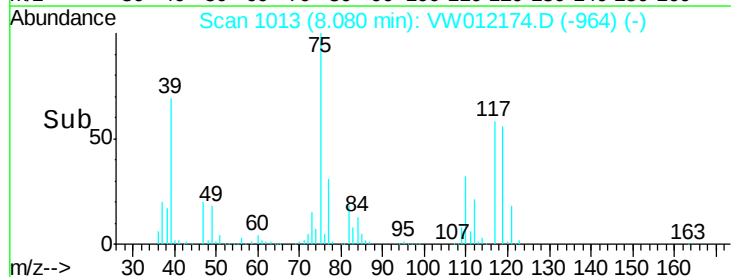
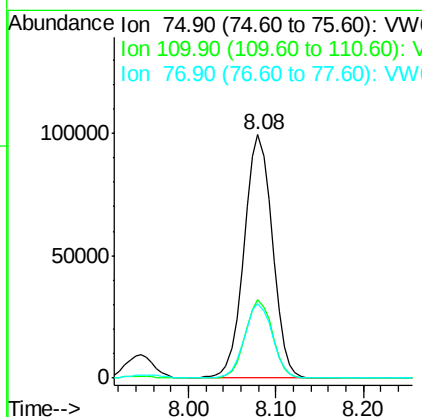
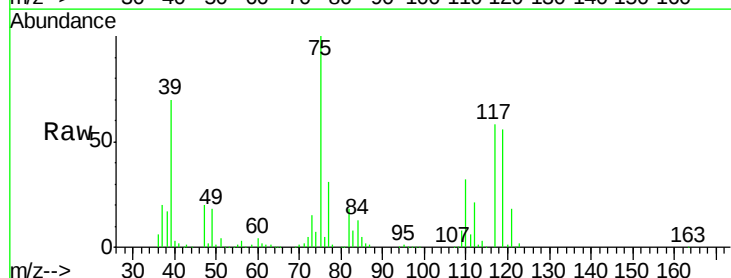
RT: 8.08 min Scan# 1013

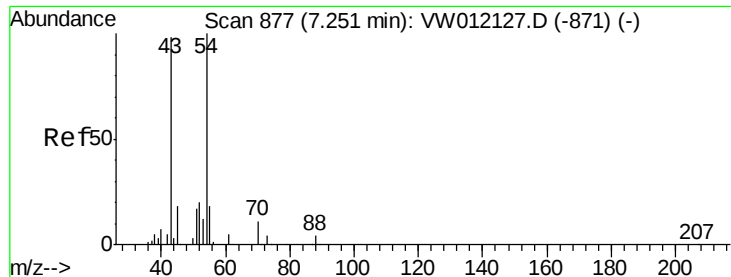
Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Tgt Ion:	75	Resp:	223115
Ion Ratio	Lower	Upper	
75	100		
110	31.0	15.6	46.8
77	30.7	24.6	36.8





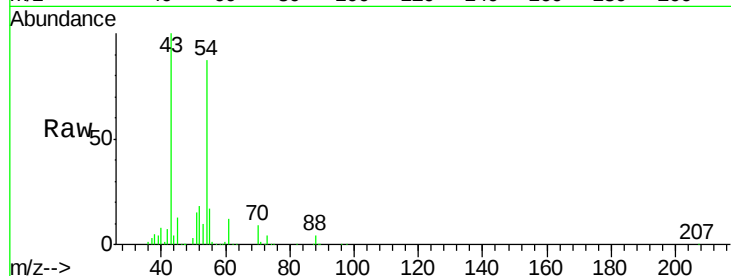
#37
Ethyl Acetate
Concen: 54.767 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	12.1	9.2	13.8	
70	8.9	6.9	10.3	

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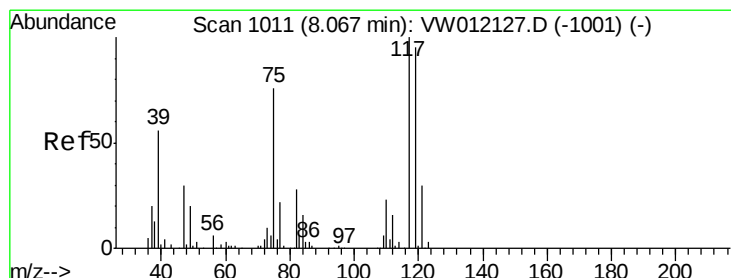
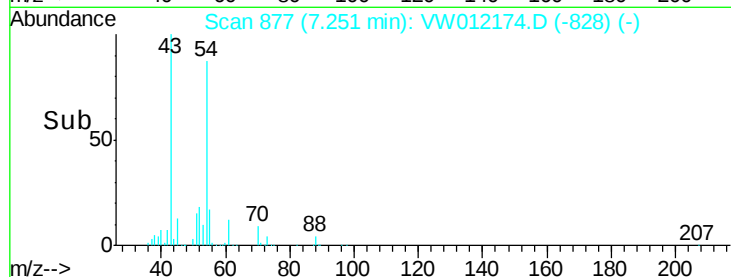
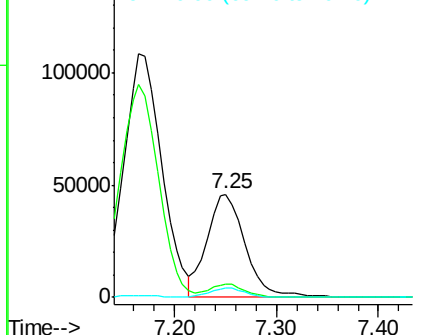


Abundance

Ion 43.00 (42.70 to 43.70): VW

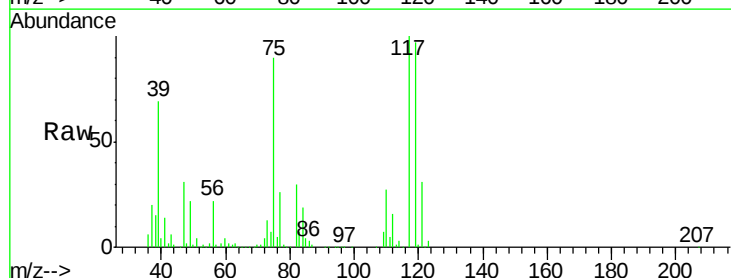
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38
Carbon Tetrachloride
Concen: 56.582 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	76.2	114.2	
121	31.0	23.8	35.8	

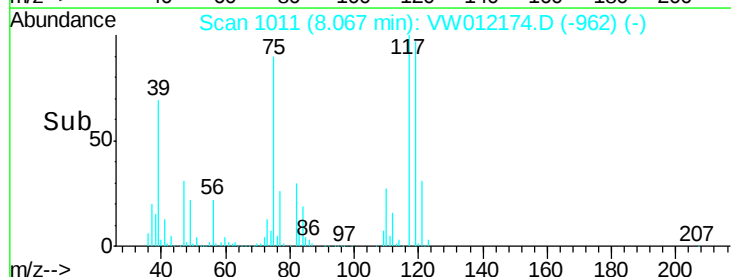
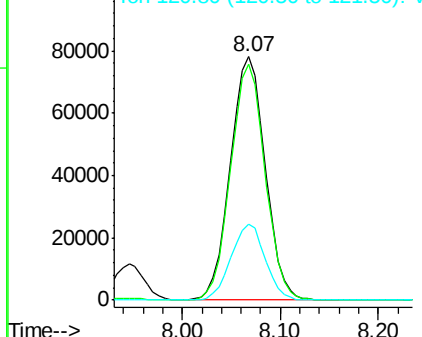


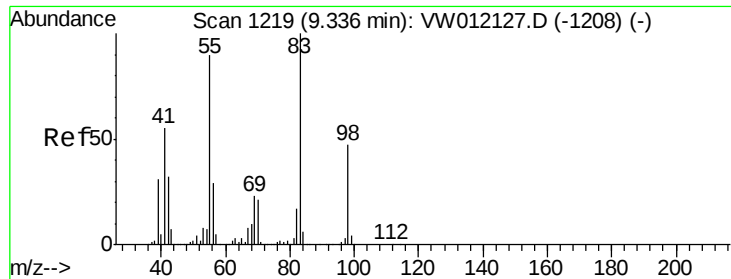
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





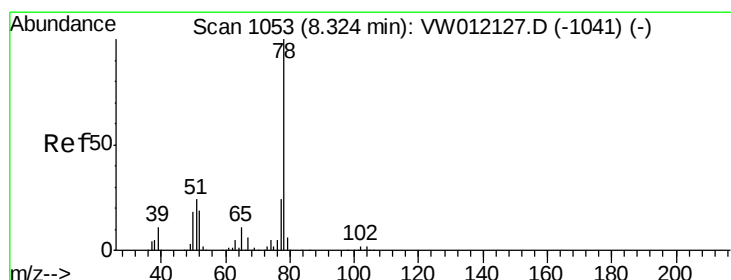
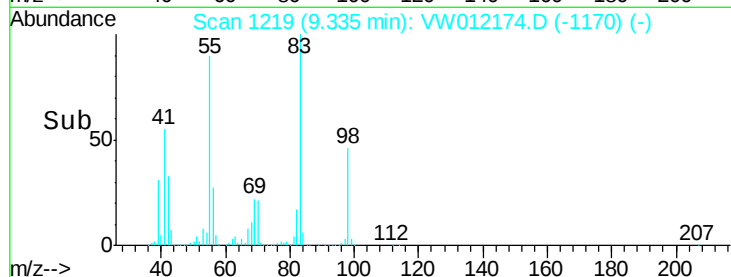
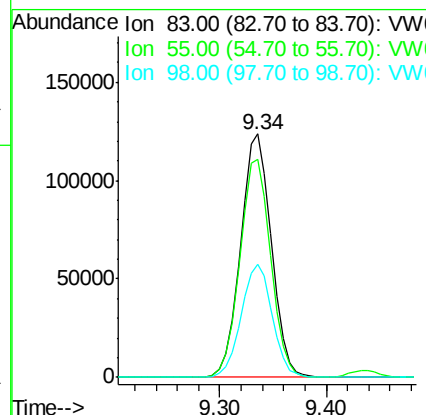
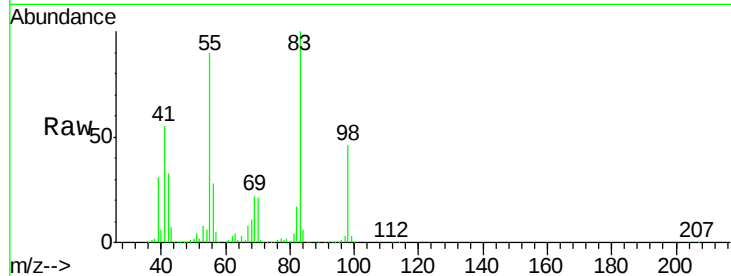
#39
Methvlcvclohexane
Concen: 56.662 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.7	71.8	107.8
98	46.2	37.8	56.8

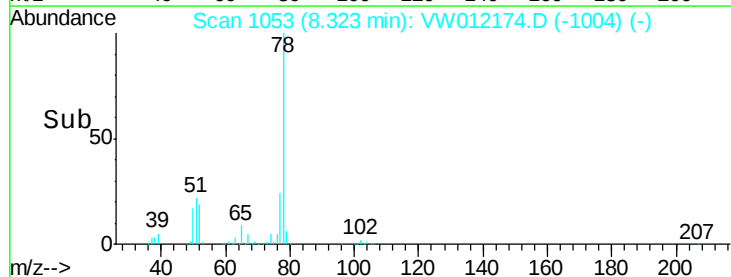
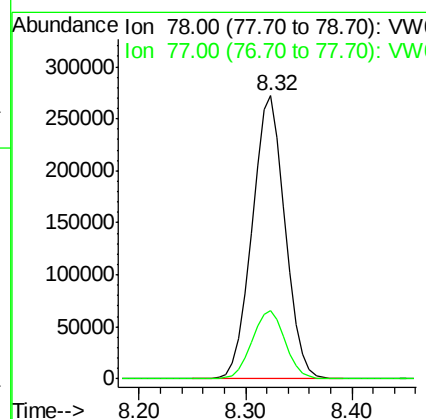
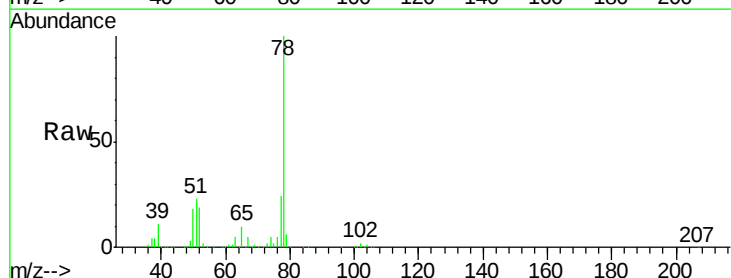
Manual Integrations
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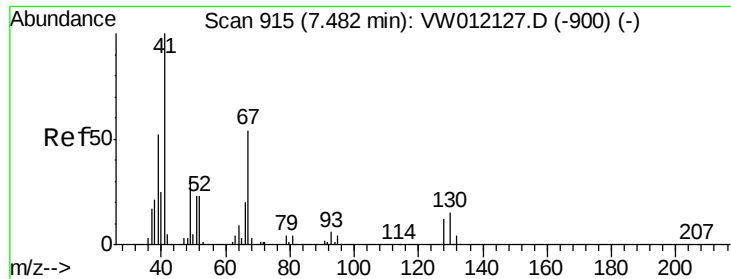
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#40
Benzene
Concen: 54.488 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.5	29.3





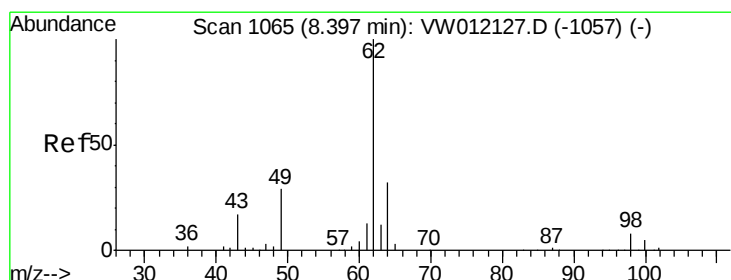
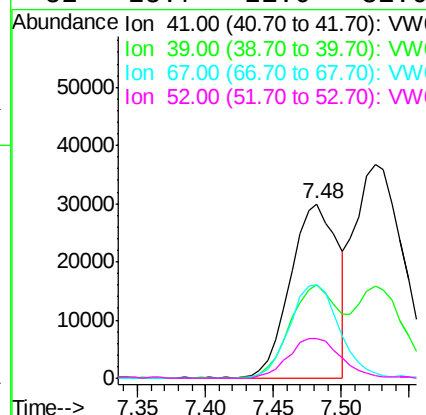
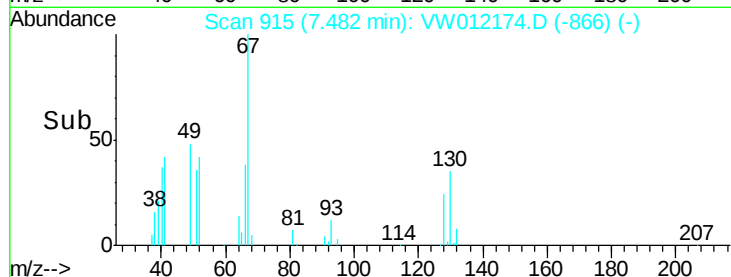
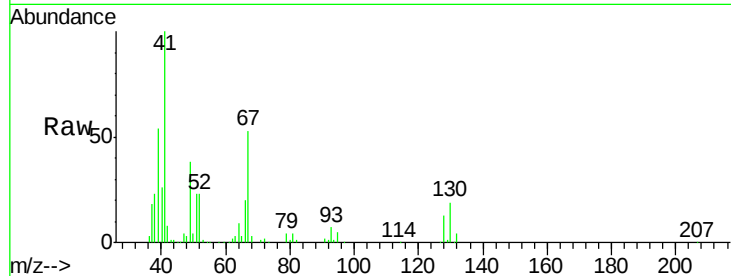
#41
Methacrylonitrile
Concen: 56.968 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	72466
Ion	Ratio	Lower	Upper
41	100		
39	58.8	45.8	68.8
67	57.0	46.2	69.4
52	25.7	21.0	31.6

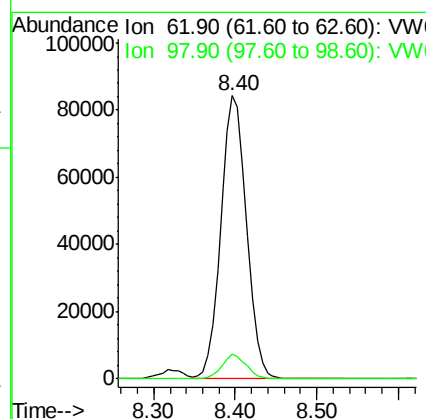
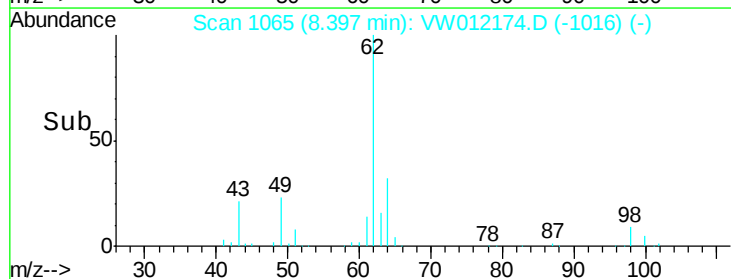
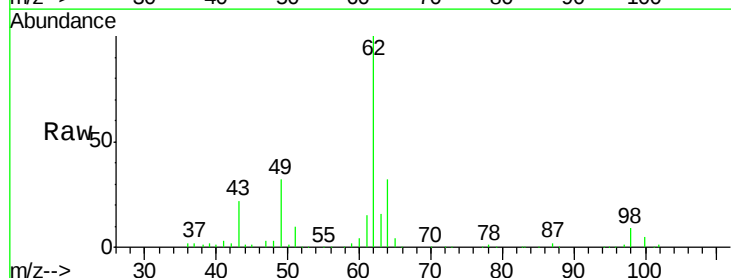
Manual Integrations
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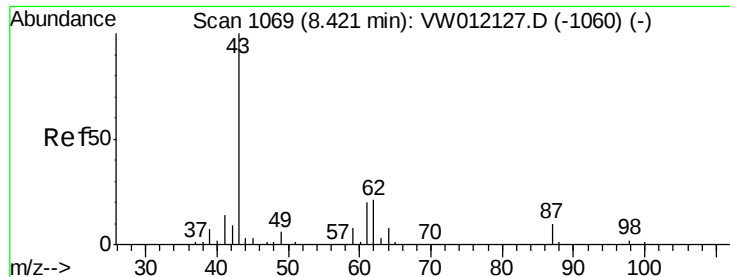
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#42
1,2-Dichloroethane
Concen: 54.564 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	62	Resp	184425
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 55.153 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

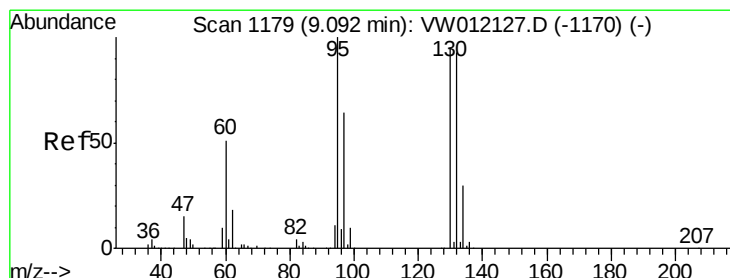
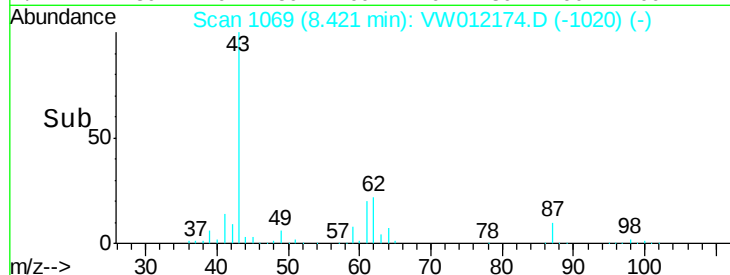
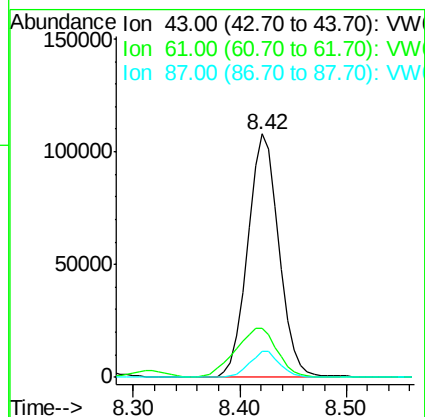
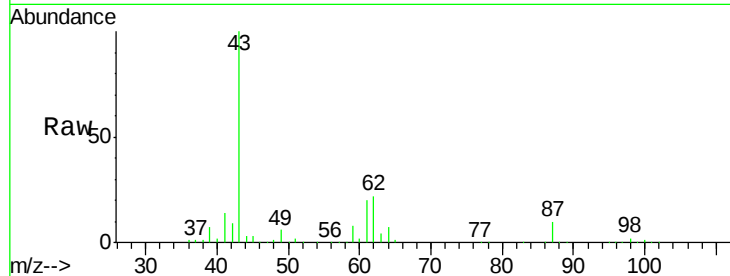
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	221105
Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.1	31.7
87	10.3	8.2	12.2

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#44

Trichloroethene

Concen: 55.486 ug/l

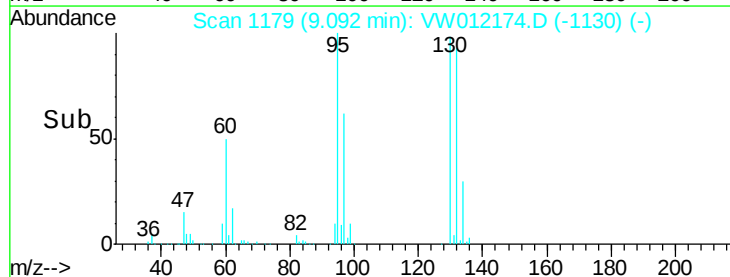
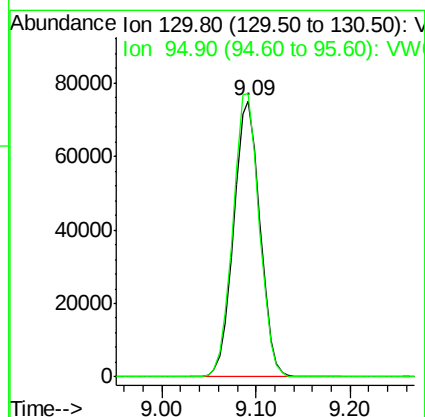
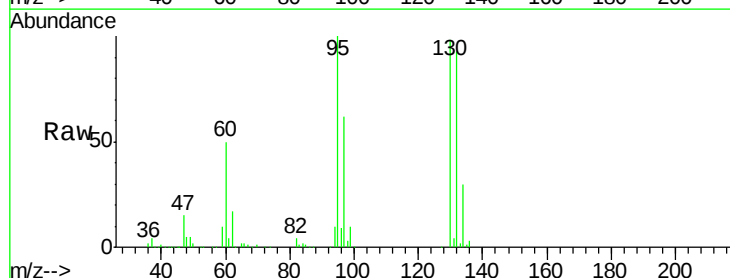
RT: 9.09 min Scan# 1179

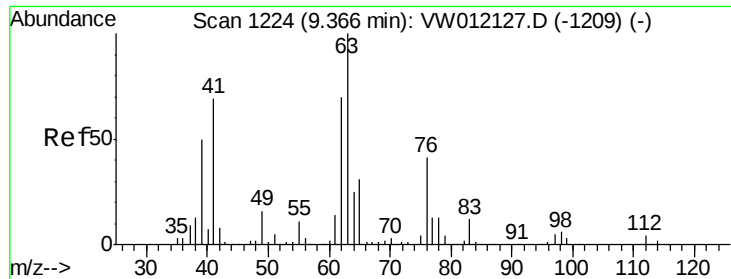
Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Tgt Ion:	130	Resp:	145468
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	210.6





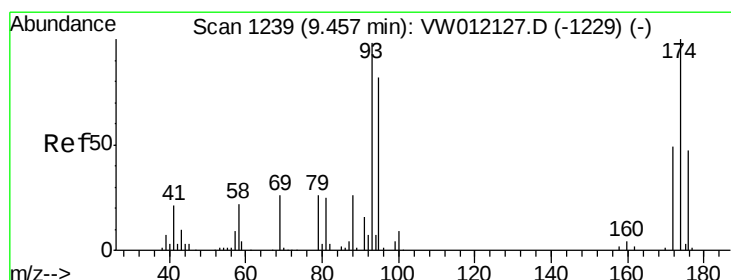
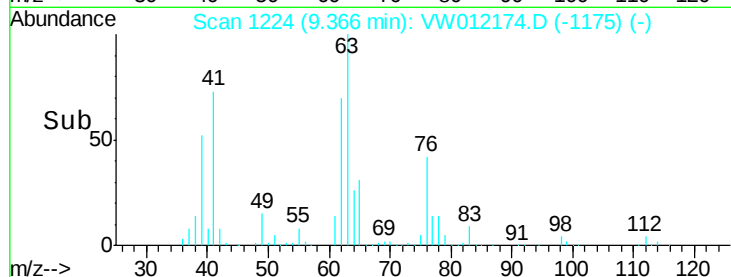
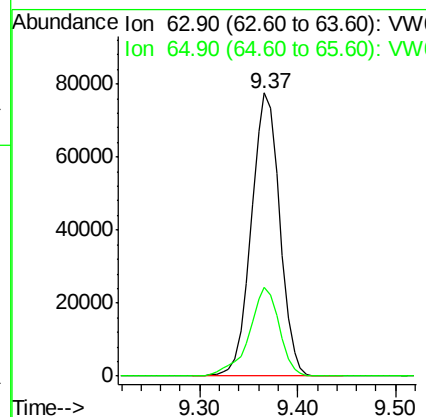
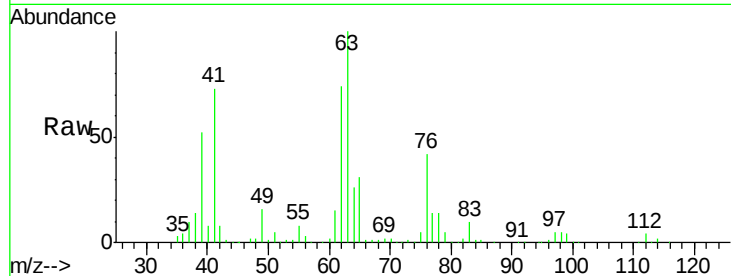
#45
 1,2-Dichloropropane
 Concen: 53.748 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 156000
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

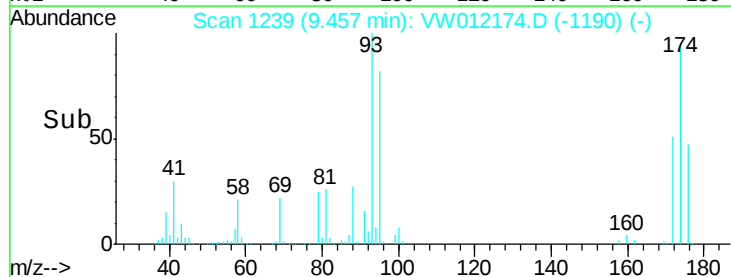
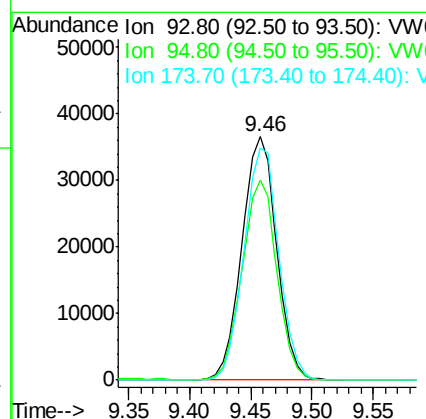
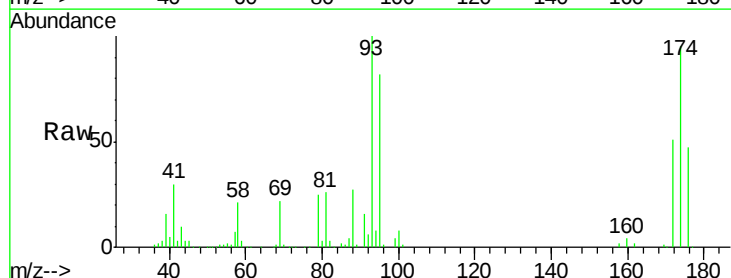
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#46
 Dibromomethane
 Concen: 55.797 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion: 93 Resp: 72055
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.2 100.8
 174 96.4 79.0 118.6





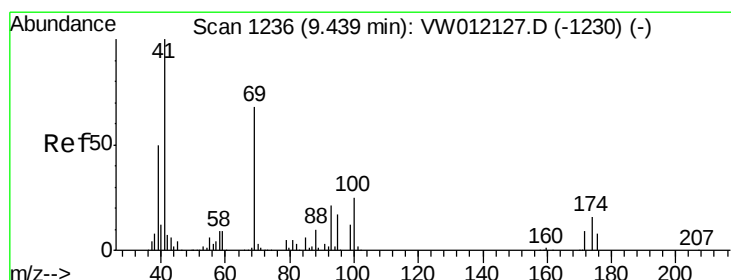
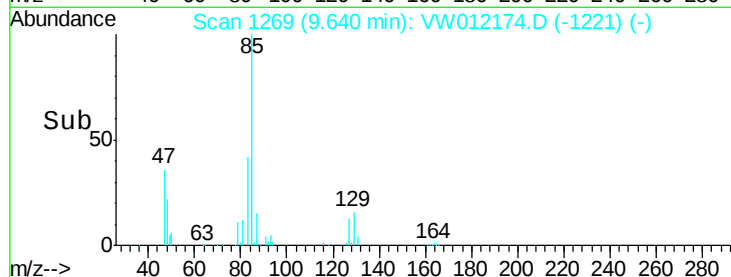
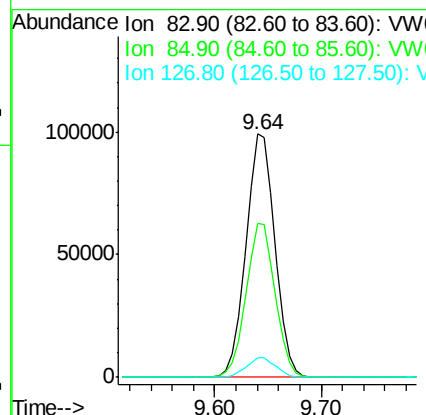
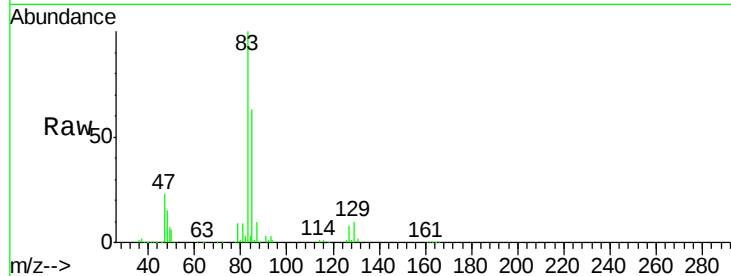
#47
Bromodichloromethane
Concen: 55.151 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	189550		
85	63.0	49.4	74.2	
127	8.3	6.1	9.1	

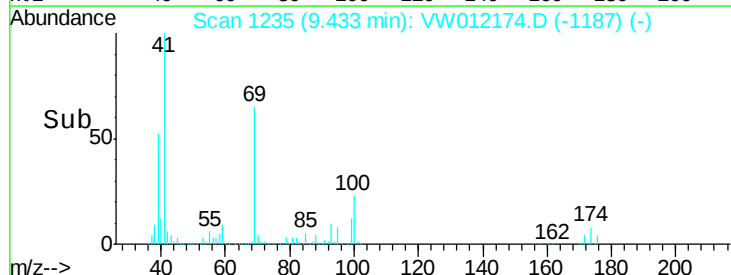
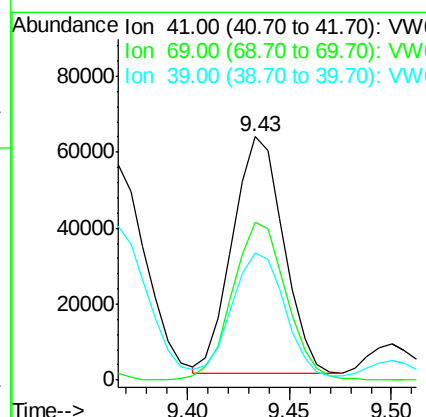
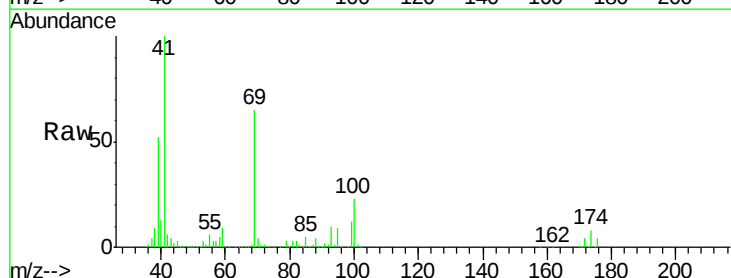
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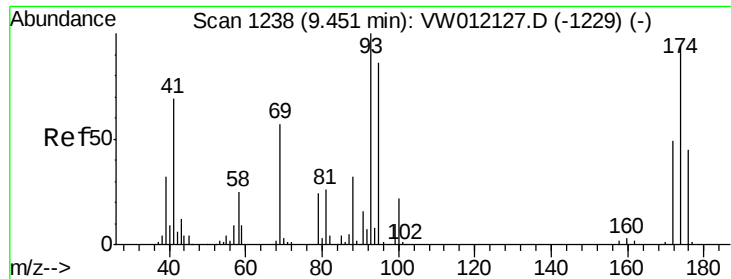
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#48
Methyl methacrylate
Concen: 56.889 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	108548		
69	70.3	56.7	85.1	
39	52.9	42.0	63.0	





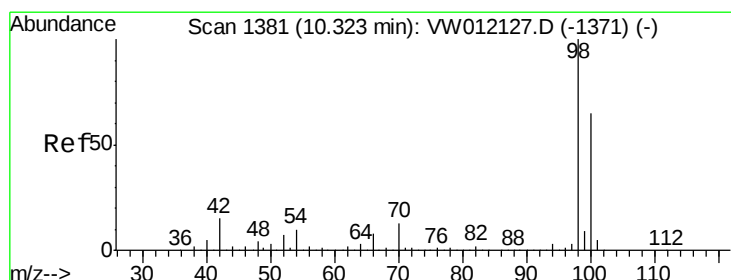
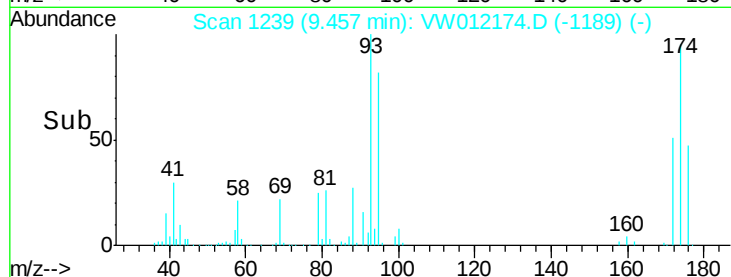
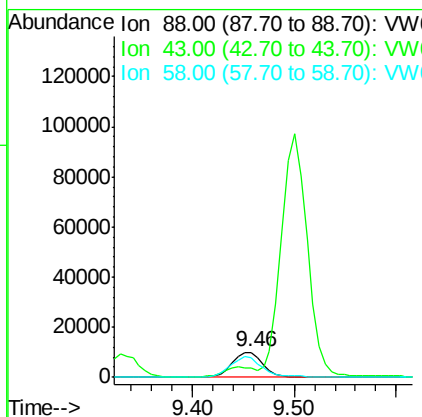
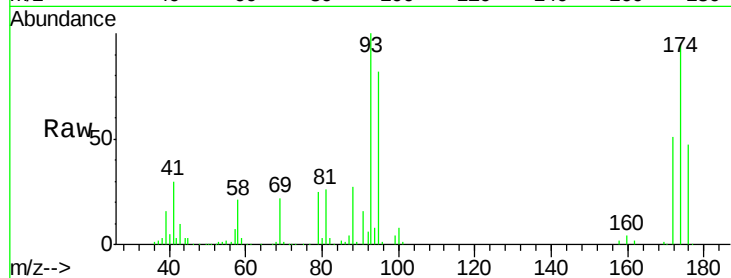
#49
1,4-Dioxane
Concen: 1062.487 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	21005
Ion	Ratio	Lower	Upper
88	100		
43	41.0	32.9	49.3
58	85.6	71.0	106.4

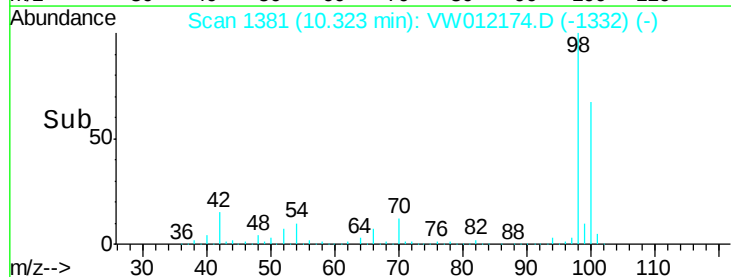
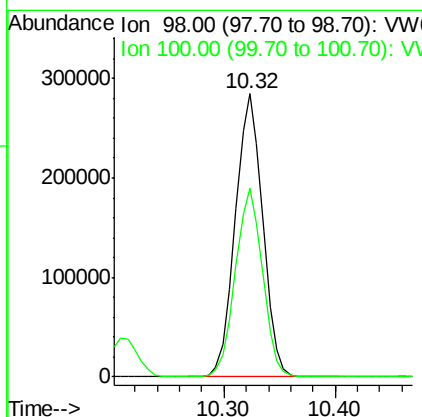
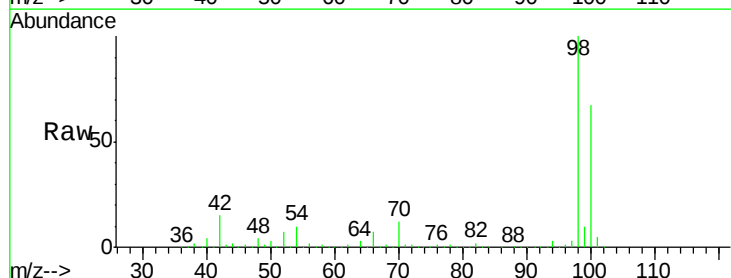
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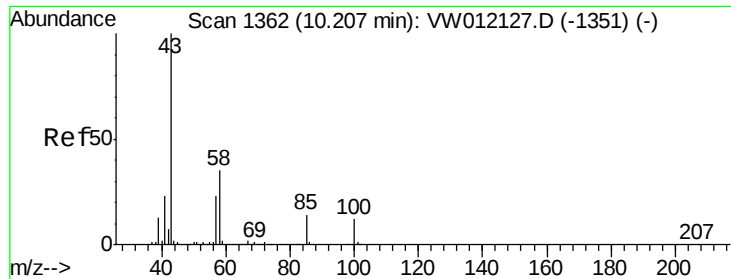
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#50
Toluene-d8
Concen: 52.302 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	98	Resp	483807
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 284.626 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 580376

Ion Ratio Lower Upper

43 100

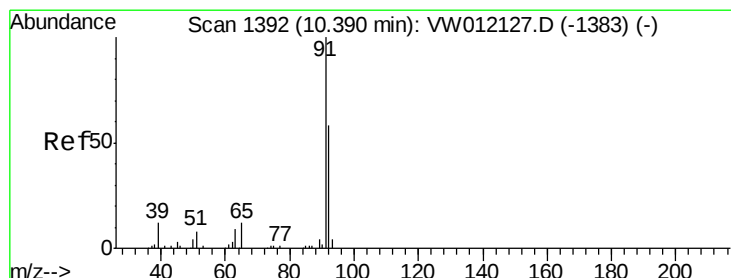
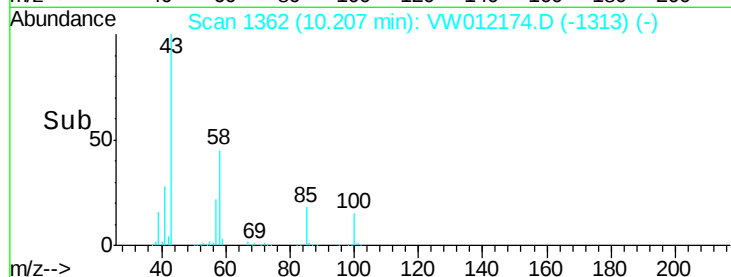
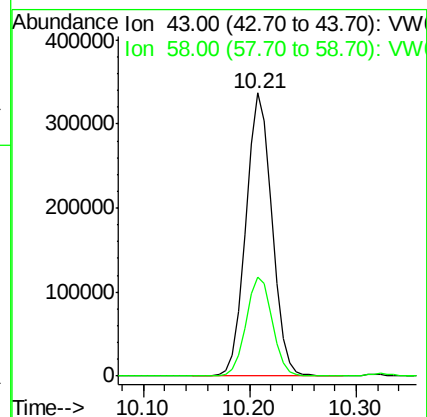
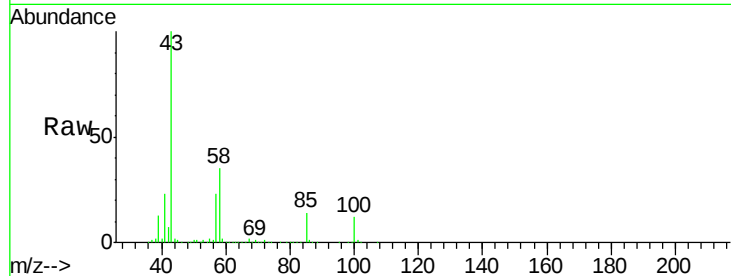
58 35.2 28.2 42.2

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#52

Toluene

Concen: 55.672 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012174.D

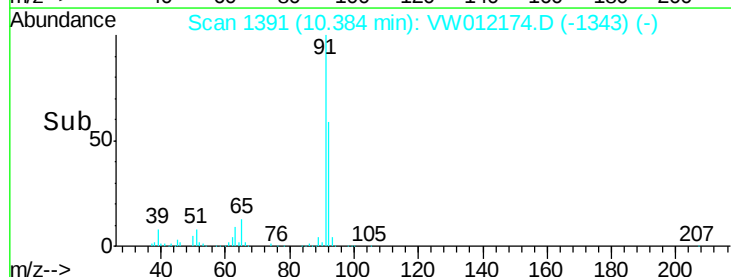
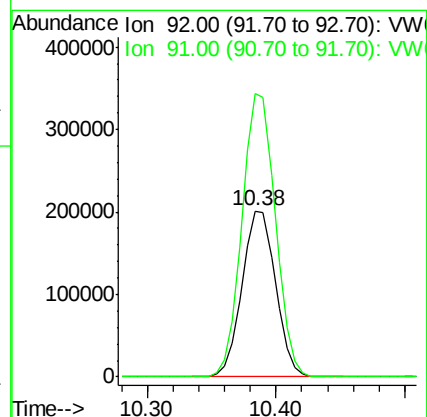
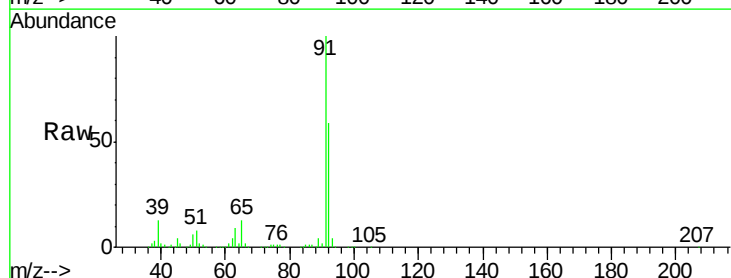
Acq: 26 Aug 2019 16:12

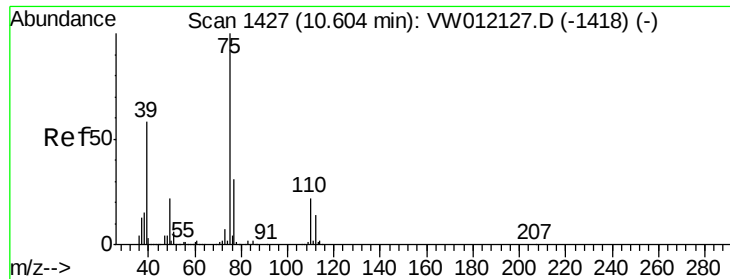
Tgt Ion: 92 Resp: 360684

Ion Ratio Lower Upper

92 100

91 170.5 136.6 204.8





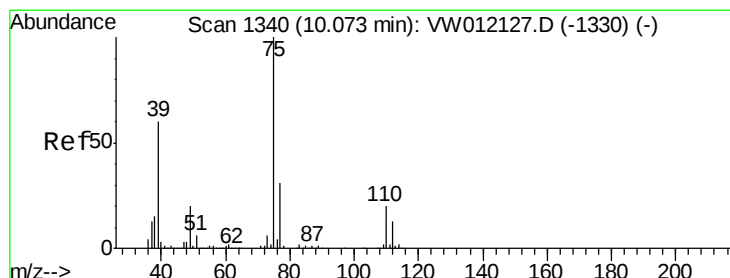
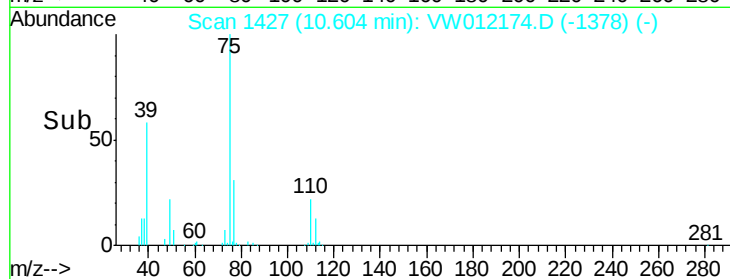
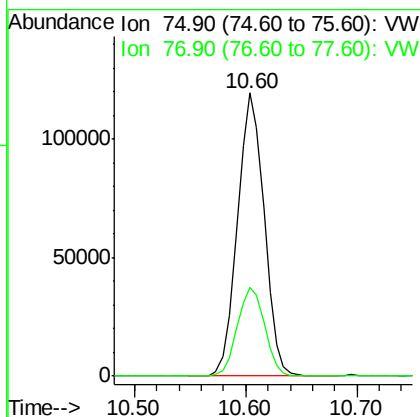
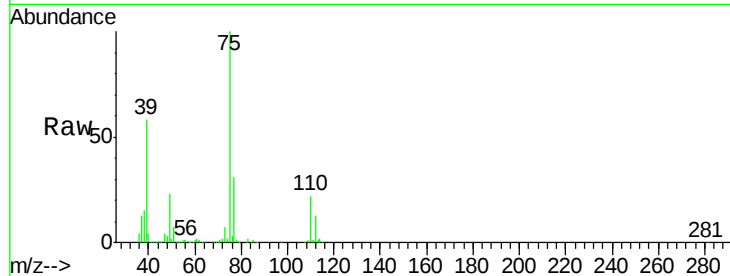
#53
 t-1,3-Dichloropropene
 Concen: 56.645 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4

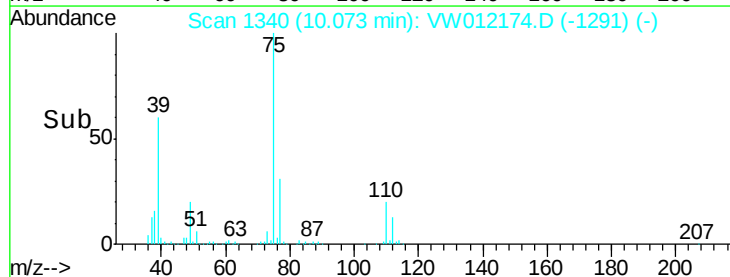
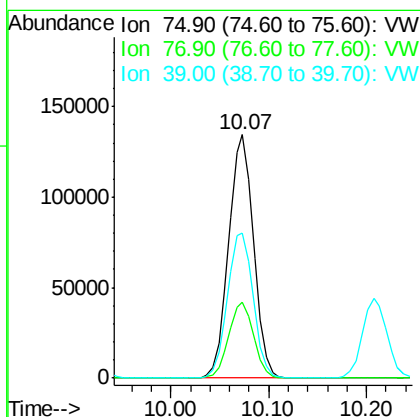
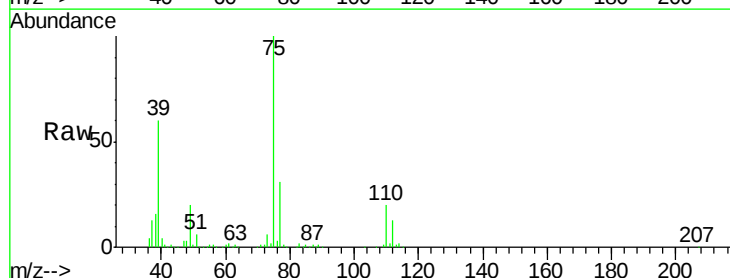
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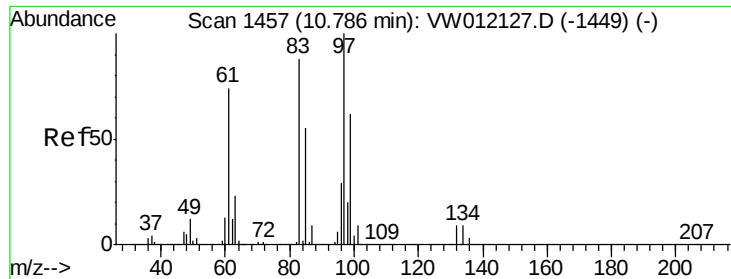
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#54
 cis-1,3-Dichloropropene
 Concen: 56.066 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.1	37.7
39	59.5	48.3	72.5





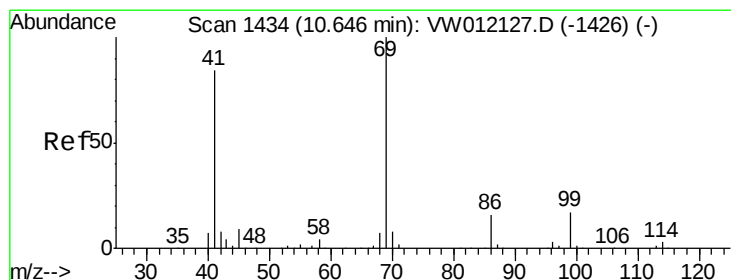
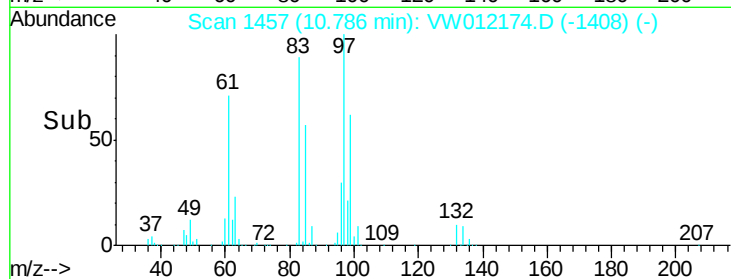
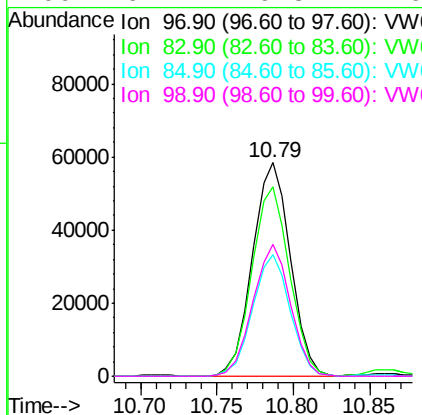
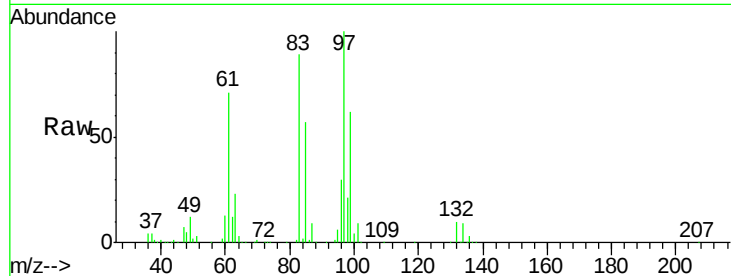
#55
 1,1,2-Trichloroethane
 Concen: 55.065 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	100611
Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.8	106.2
85	57.2	43.8	65.8
99	61.7	49.8	74.6

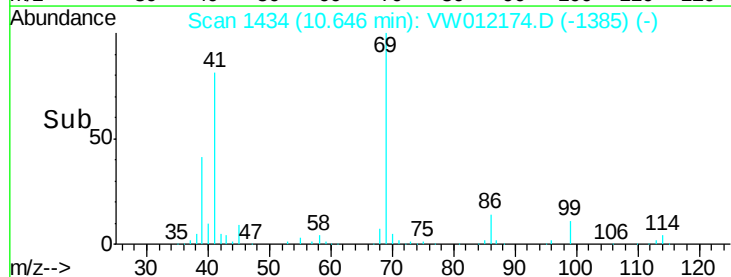
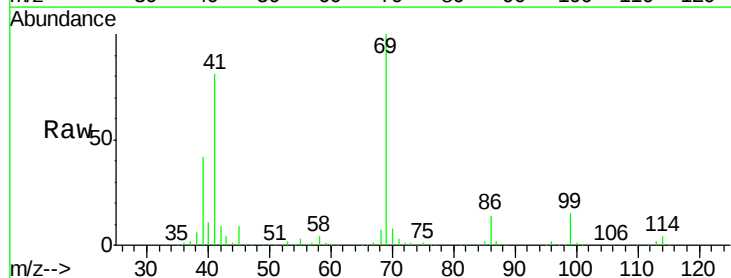
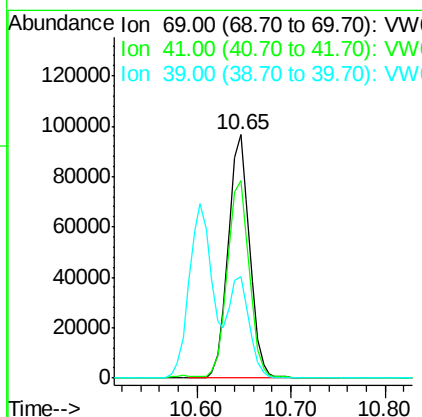
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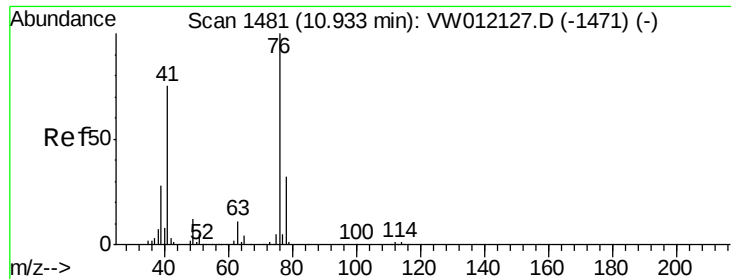
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#56
 Ethyl methacrylate
 Concen: 57.484 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion:	69	Resp:	152864
Ion	Ratio	Lower	Upper
69	100		
41	82.6	66.5	99.7
39	37.9	31.0	46.4





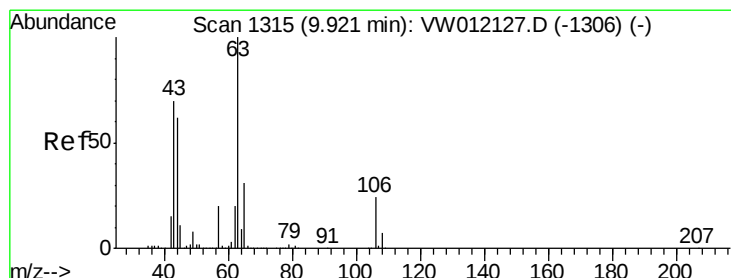
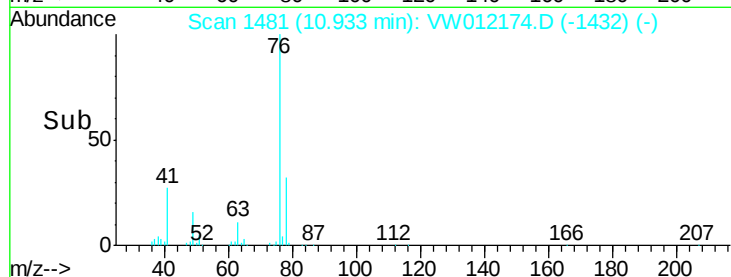
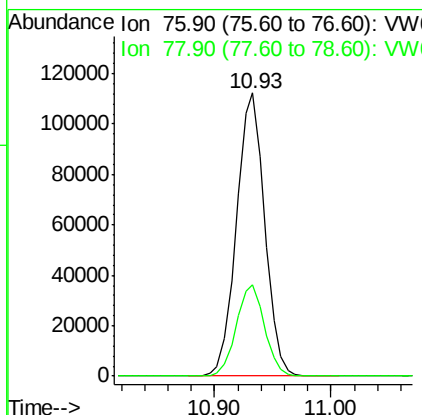
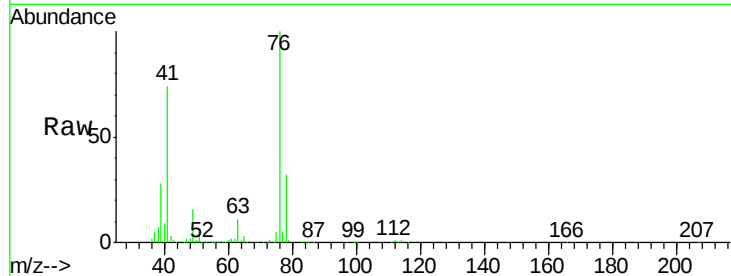
#57
 1,3-Dichloropropane
 Concen: 54.913 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 189605
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

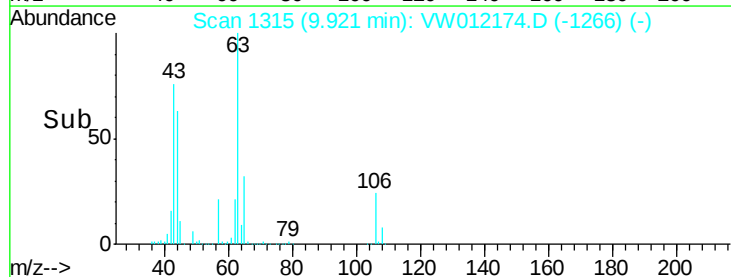
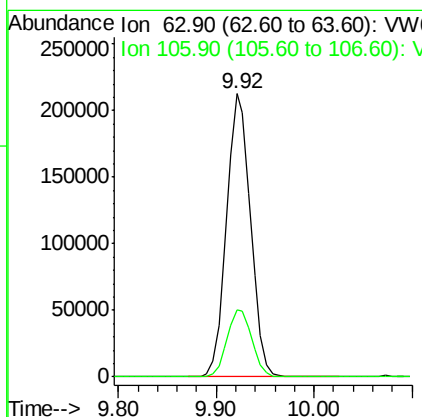
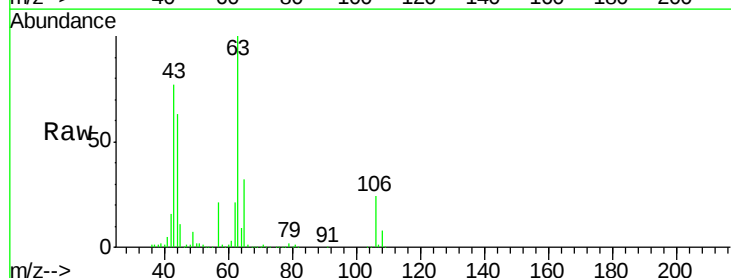
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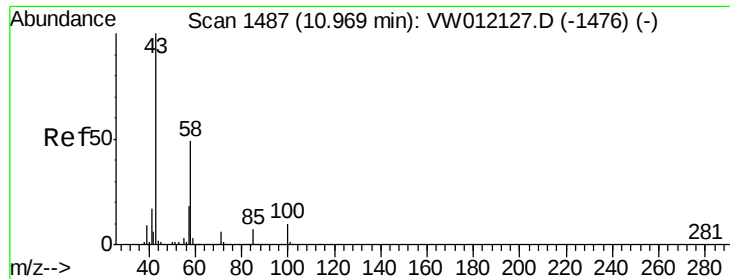
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#58
 2-Chloroethyl Vinyl ether
 Concen: 263.849 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion: 63 Resp: 360096
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.8





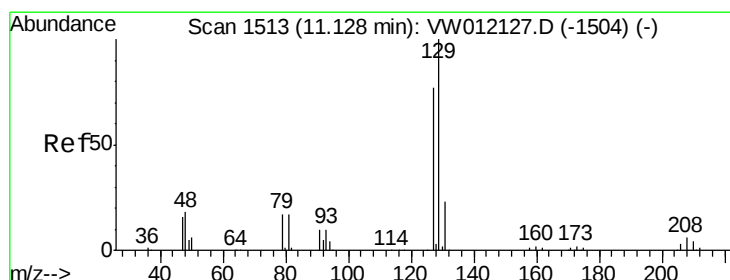
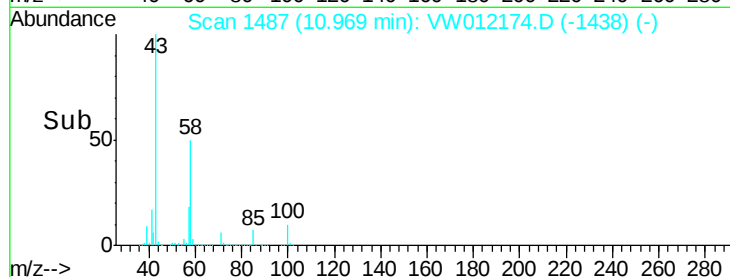
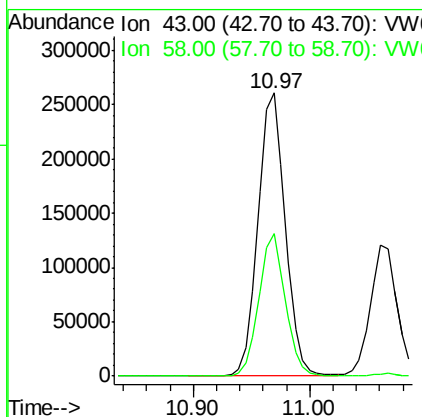
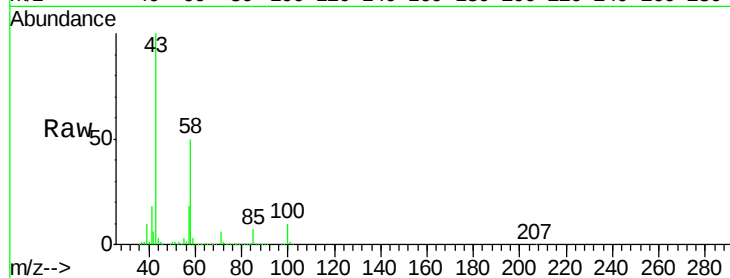
#59
2-Hexanone
Concen: 293.316 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.3	72.9

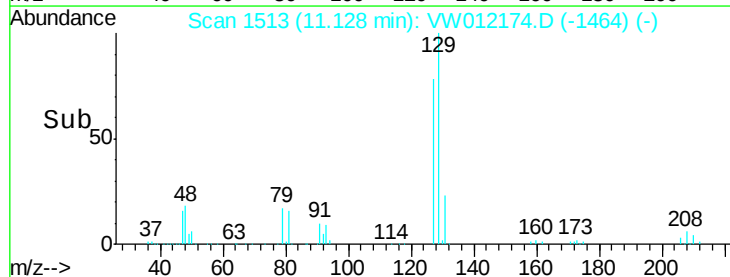
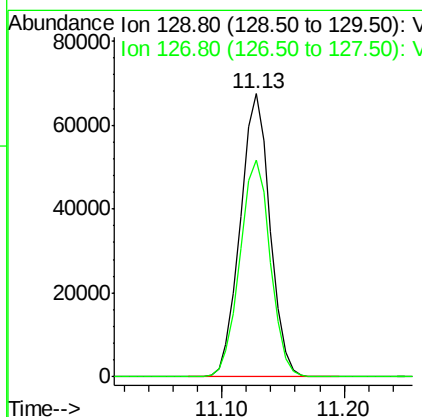
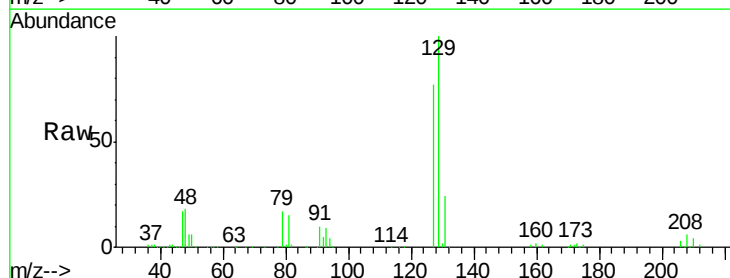
Manual Integrations
APPROVED

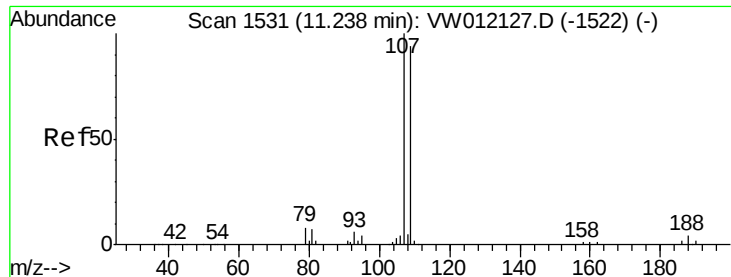
MMDadoda
8/27/2019 11:04:21 AM



#60
Dibromochloromethane
Concen: 55.819 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 55.507 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 94484

Ion Ratio Lower Upper

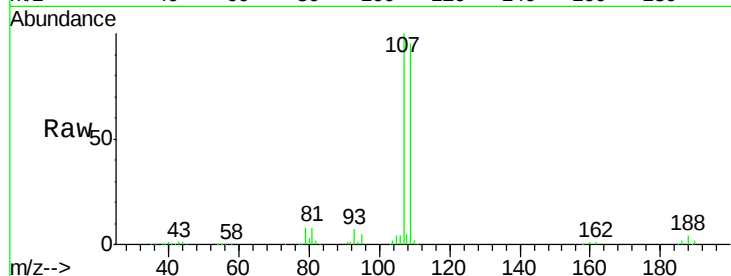
107 100

109 93.1 75.4 113.2

Manual Integrations
APPROVED

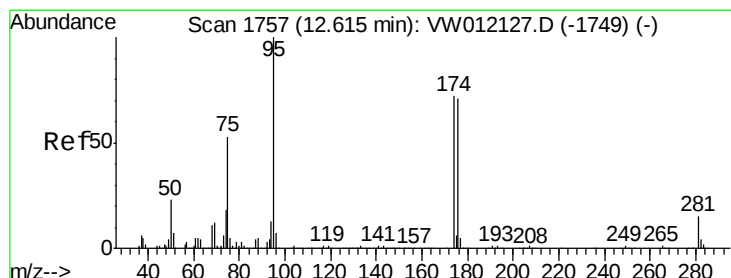
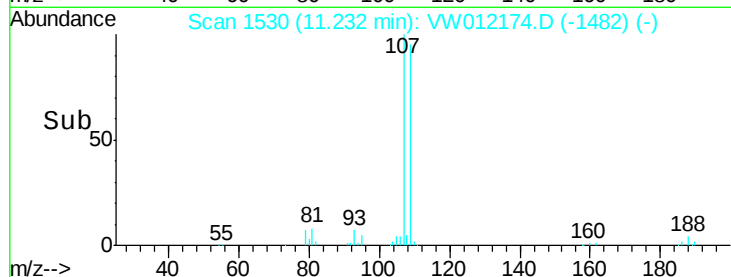
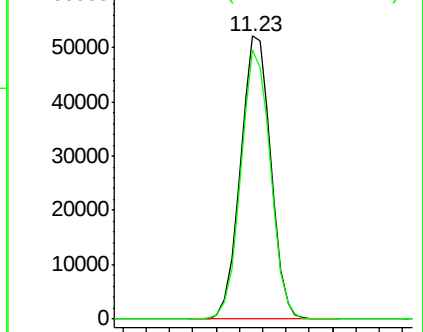
MMDadoda

8/27/2019 11:04:21 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.372 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

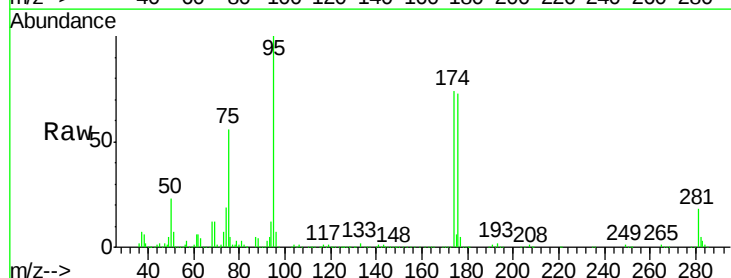
Tgt Ion: 95 Resp: 167507

Ion Ratio Lower Upper

95 100

174 76.6 0.0 150.8

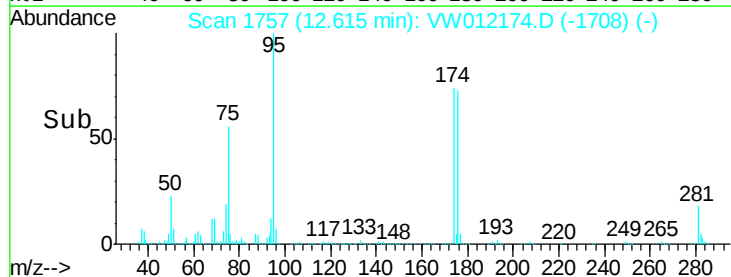
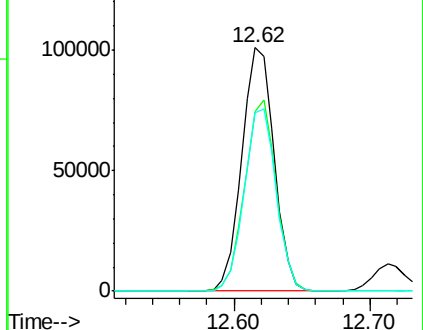
176 74.4 0.0 148.6

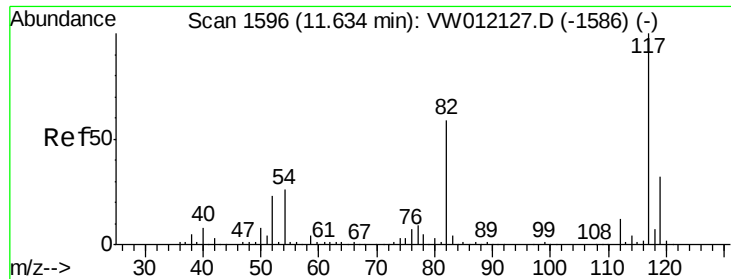


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





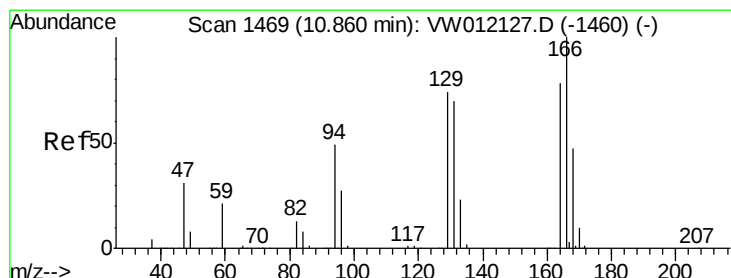
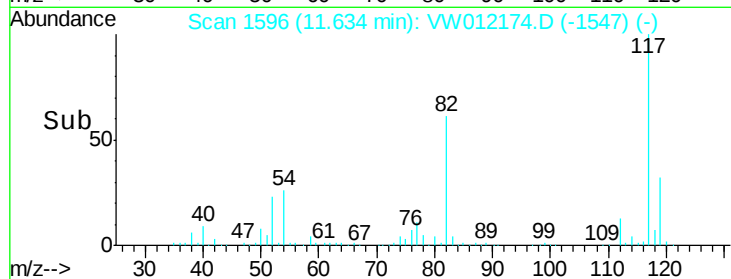
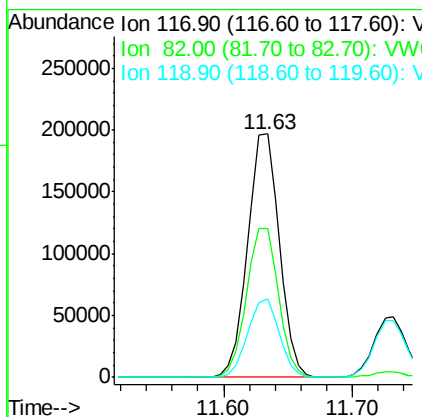
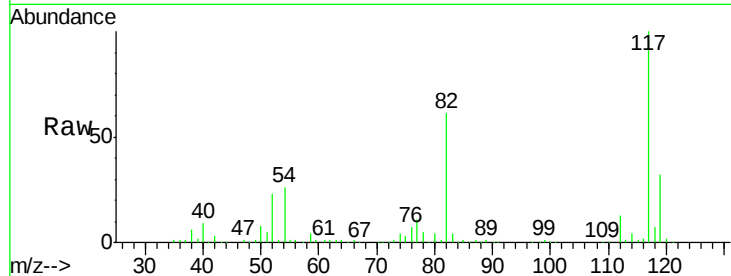
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333382		
82	60.9	47.4	71.2	
119	32.1	25.4	38.2	

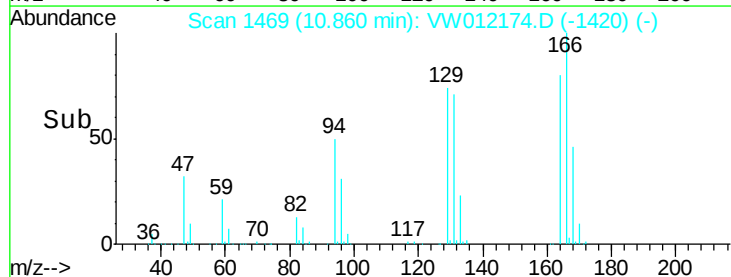
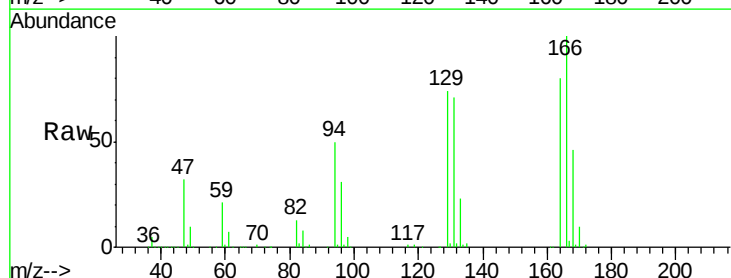
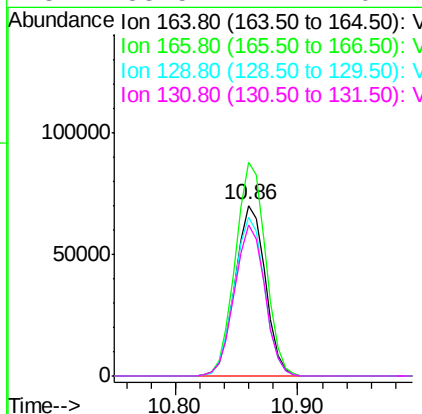
Manual Integrations
APPROVED

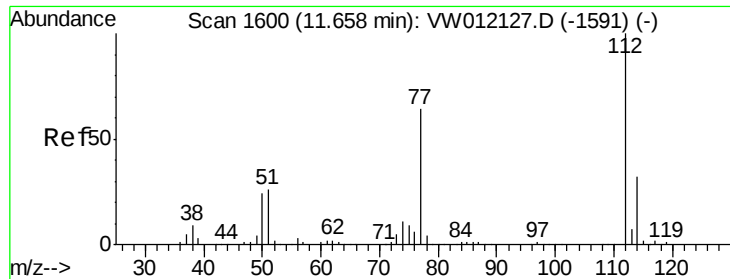
MMDadoda
8/27/2019 11:04:21 AM



#64
Tetrachloroethene
Concen: 55.328 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119587		
166	125.4	102.4	153.6	
129	93.0	75.8	113.6	
131	88.5	71.4	107.2	





#65

Chlorobenzene

Concen: 54.009 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 354547

Ion Ratio Lower Upper

112 100

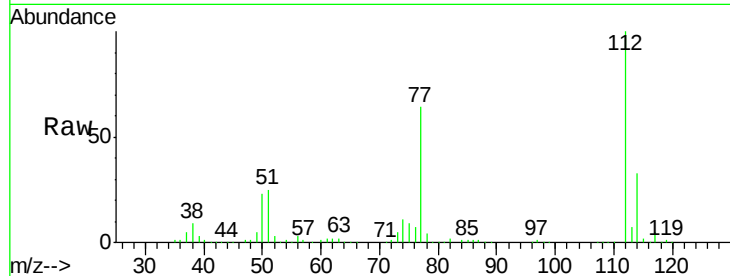
114 32.9 25.8 38.6

Manual Integrations

APPROVED

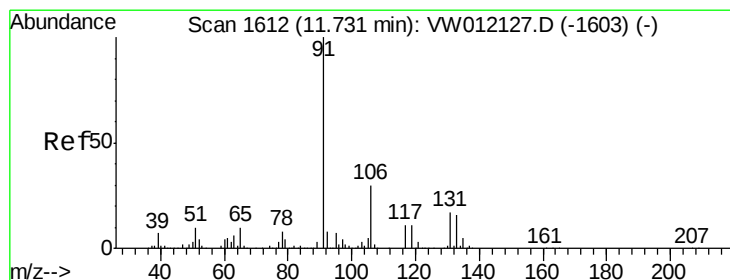
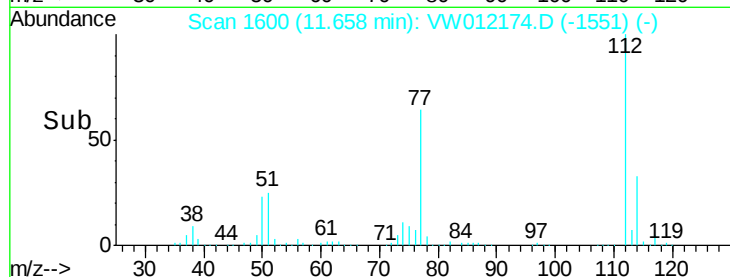
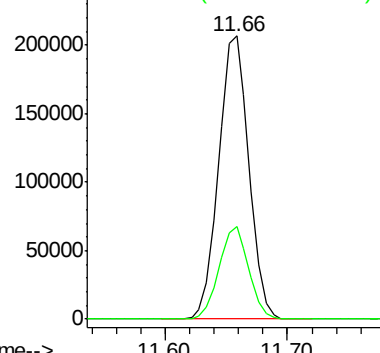
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.857 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

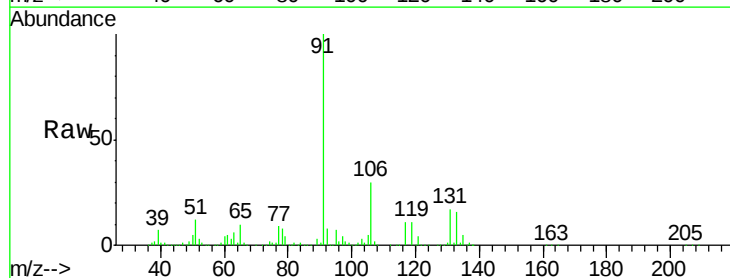
Tgt Ion:131 Resp: 123339

Ion Ratio Lower Upper

131 100

133 95.9 47.1 141.3

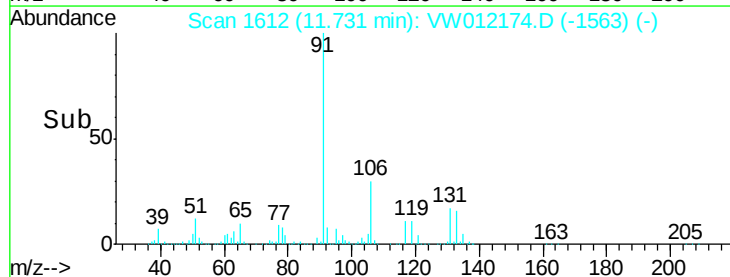
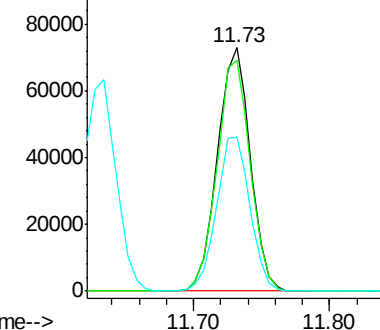
119 64.5 31.8 95.3

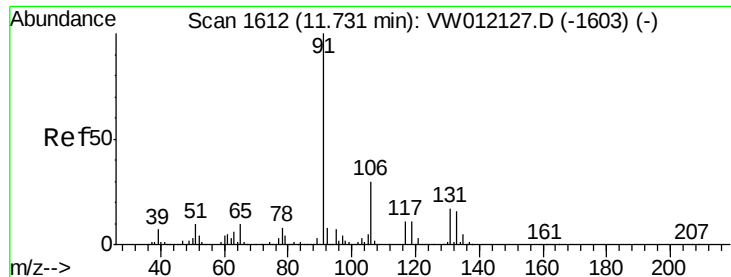


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





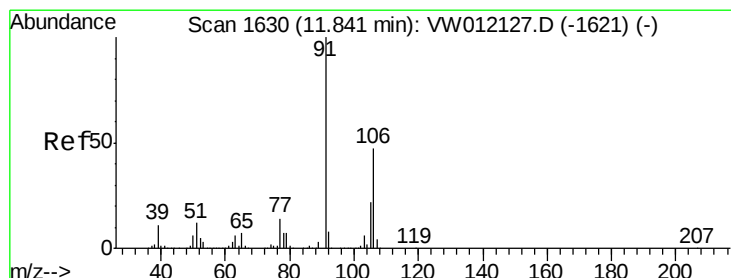
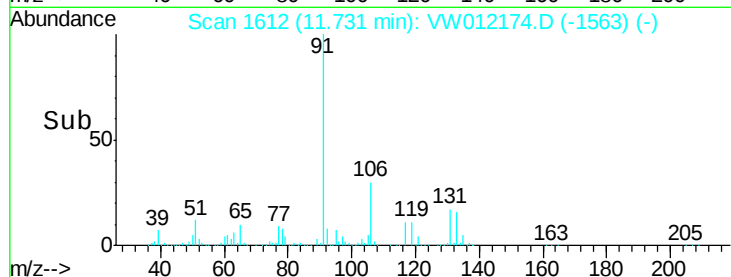
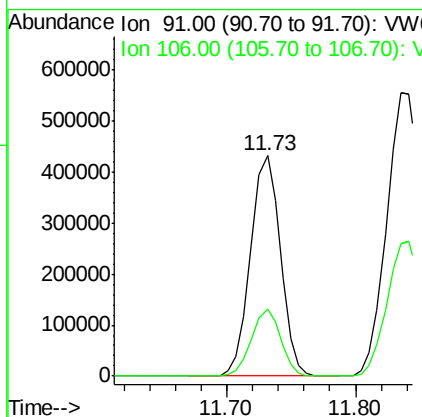
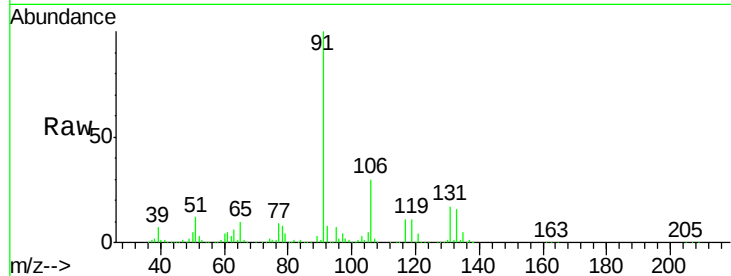
#67
Ethyl Benzene
Concen: 54.651 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5

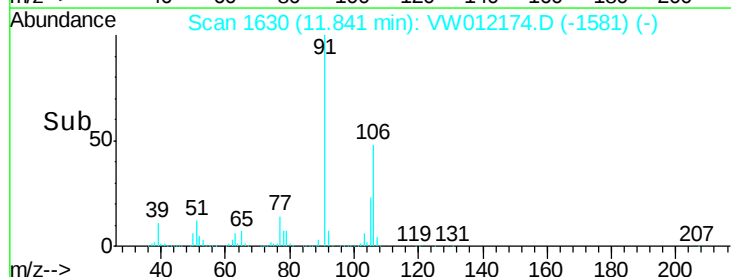
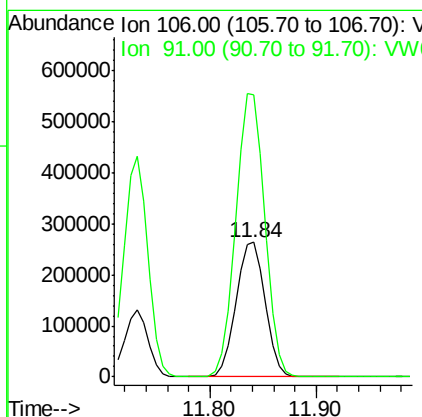
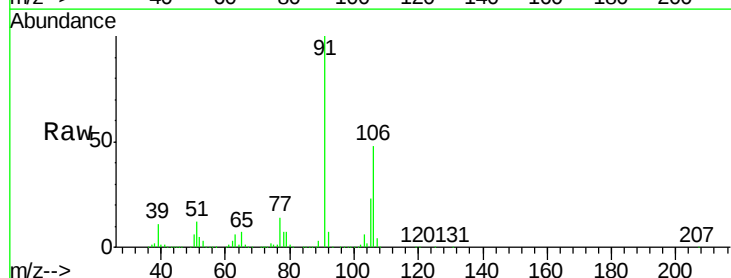
Manual Integrations
APPROVED

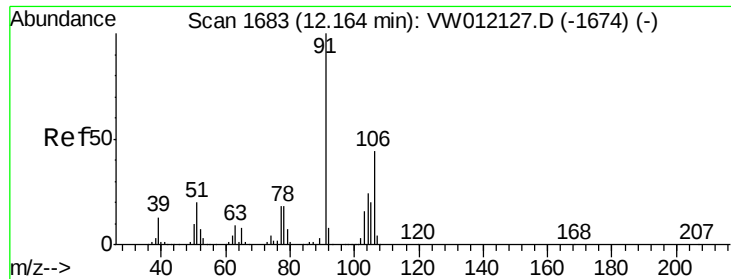
MMDadoda
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#68
m/p-Xylenes
Concen: 110.877 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.4	169.5	254.3





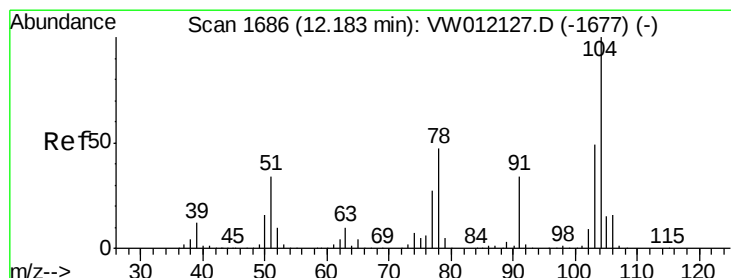
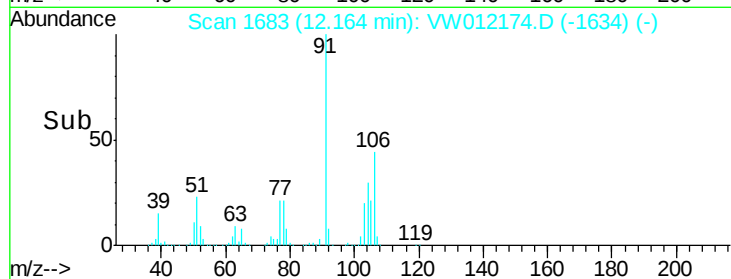
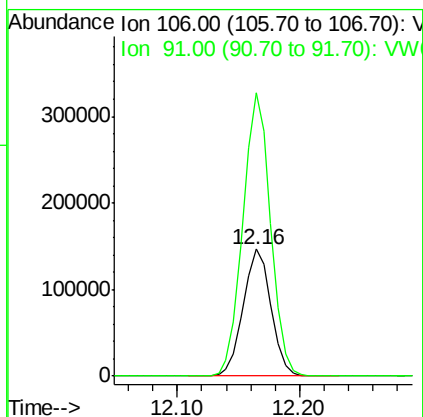
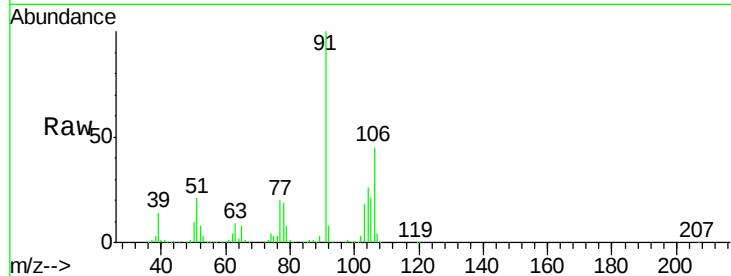
#69
o-Xylene
Concen: 54.942 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 231627
Ion Ratio Lower Upper
106 100
91 221.2 111.6 334.6

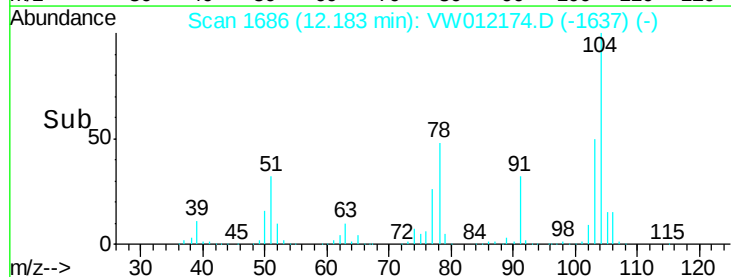
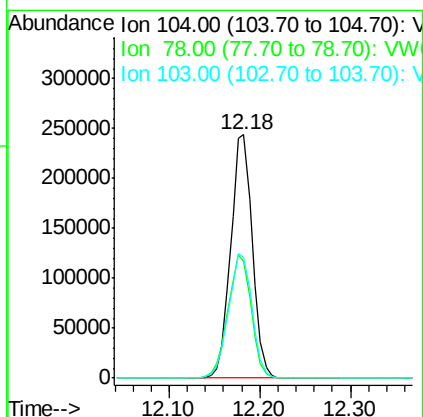
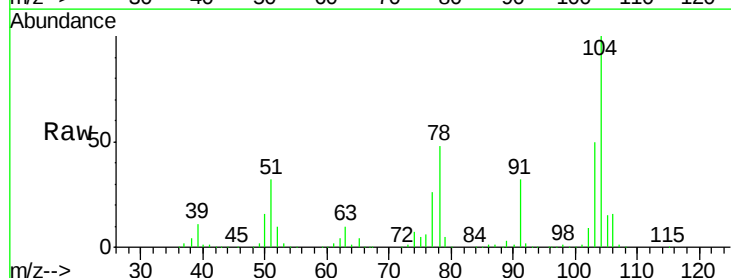
Manual Integrations
APPROVED

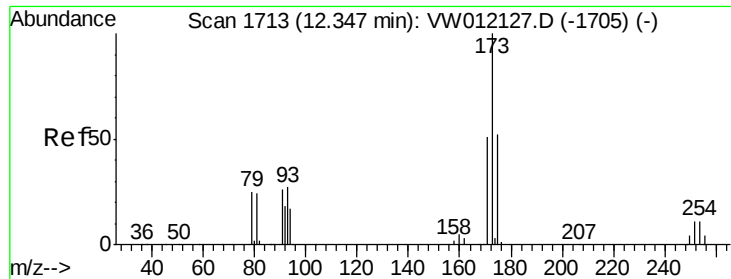
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#70
Styrene
Concen: 55.203 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion:104 Resp: 402832
Ion Ratio Lower Upper
104 100
78 54.8 43.1 64.7
103 55.3 43.5 65.3





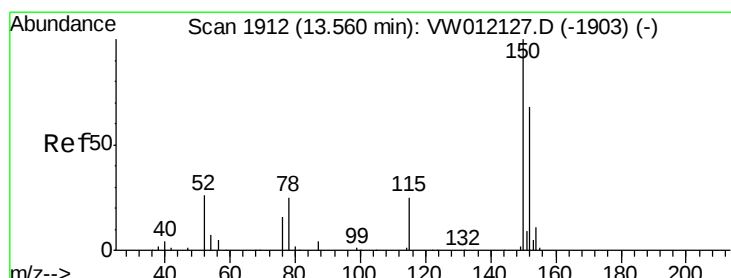
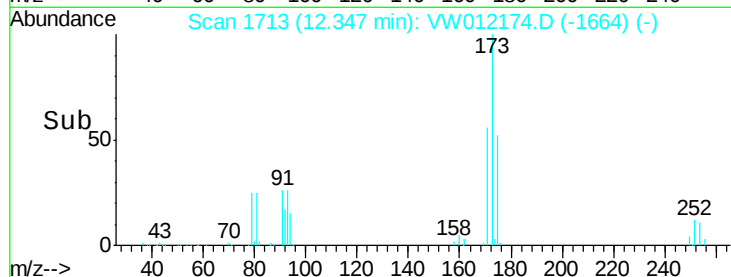
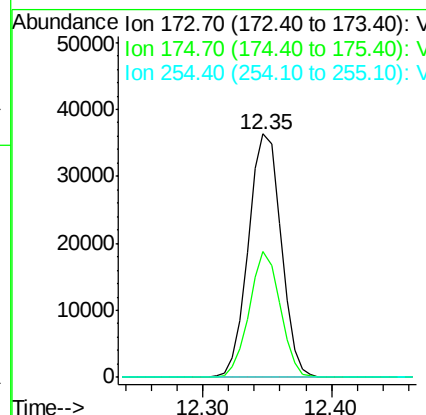
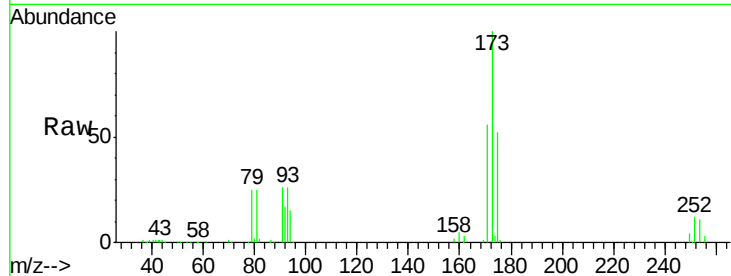
#71
Bromoform
Concen: 55.645 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.0	0.2	0.2

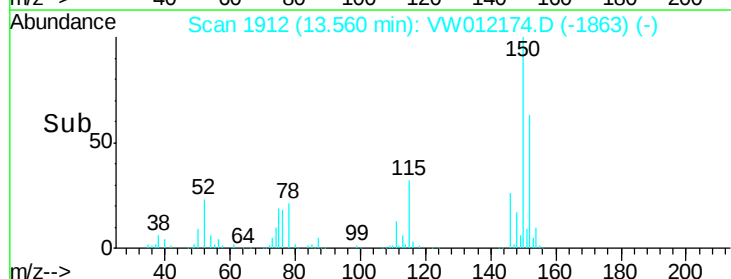
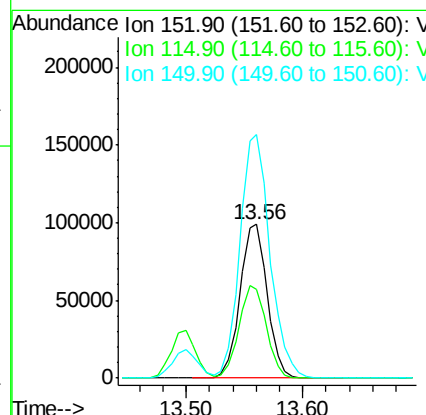
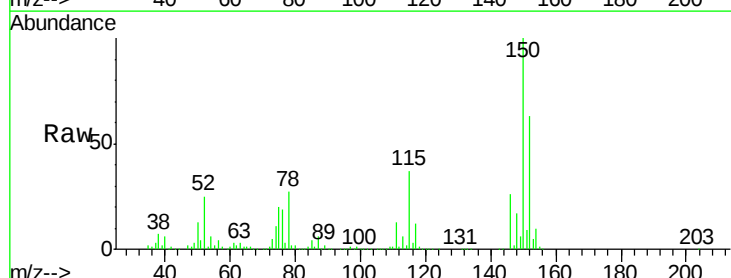
Manual Integrations
APPROVED

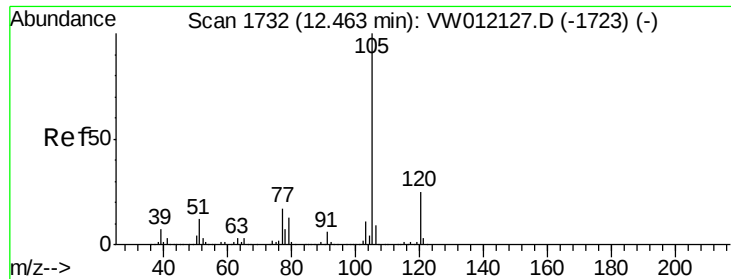
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.1	90.3
150	175.5	0.0	345.8





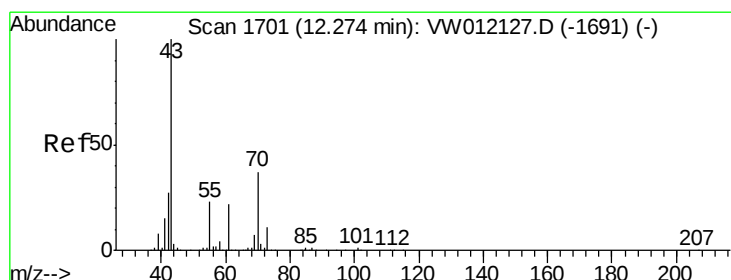
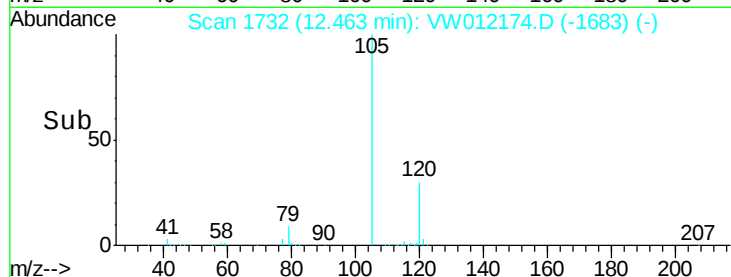
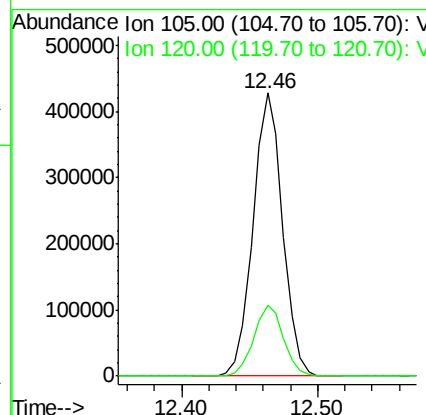
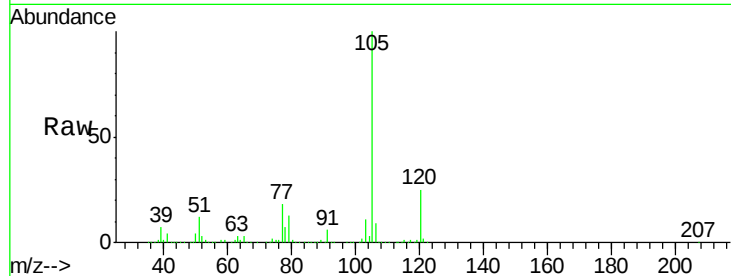
#73
Isopropylbenzene
Concen: 53.909 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.5	37.5

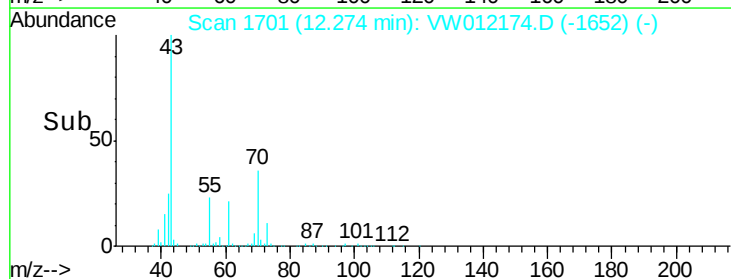
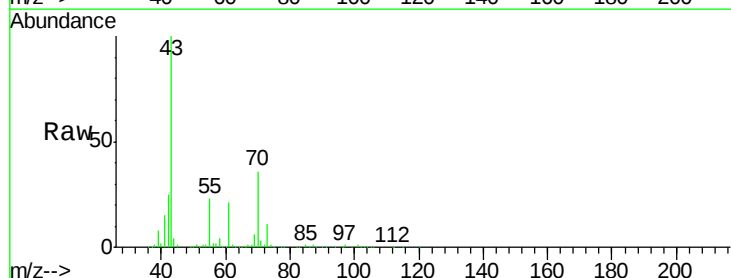
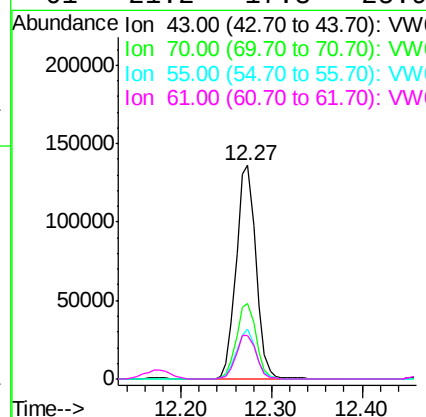
Manual Integrations
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8/27/2019 11:04:21 AM



#74
N-ethyl acetate
Concen: 56.668 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.4	28.6	43.0
55	22.6	17.8	26.6
61	21.2	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.288 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

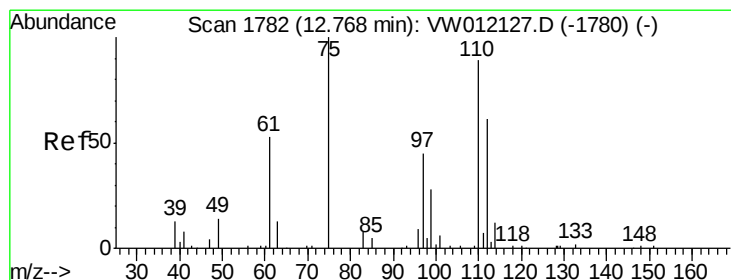
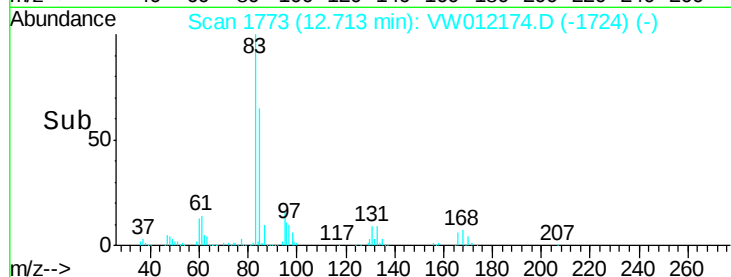
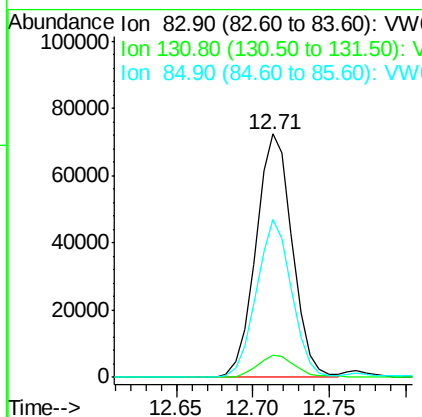
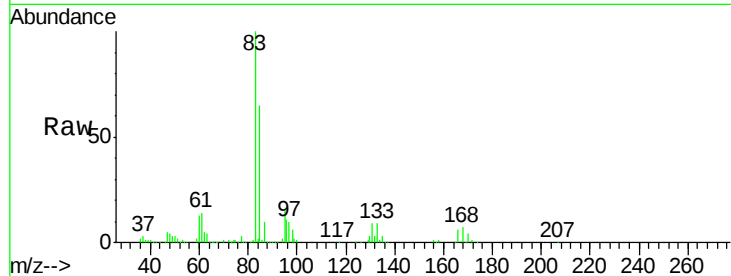
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119829
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	62.8	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.311 ug/l m

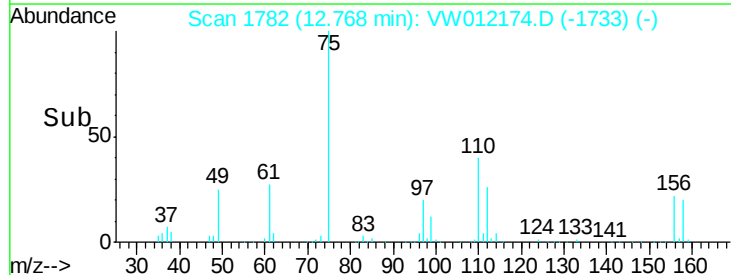
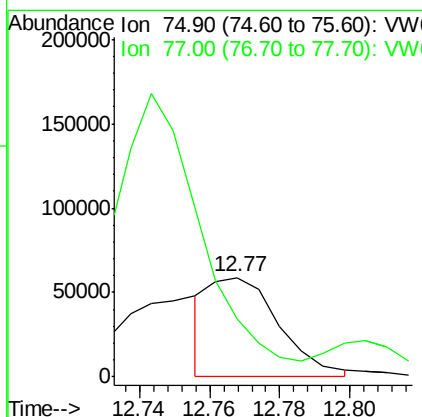
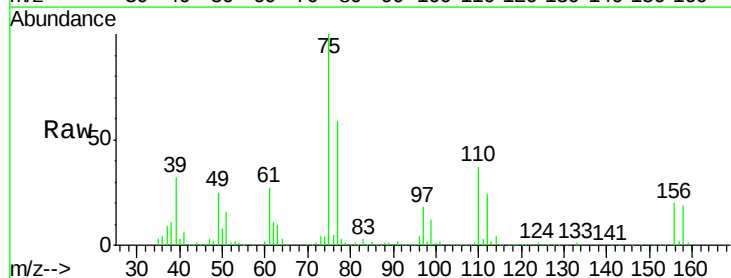
RT: 12.77 min Scan# 1782

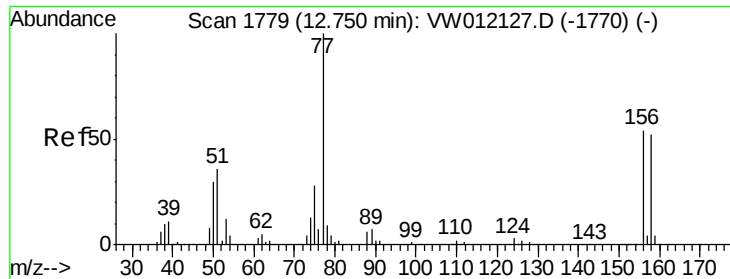
Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Tgt Ion:	75	Resp:	81863
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.293 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 138813

Ion Ratio Lower Upper

156 100

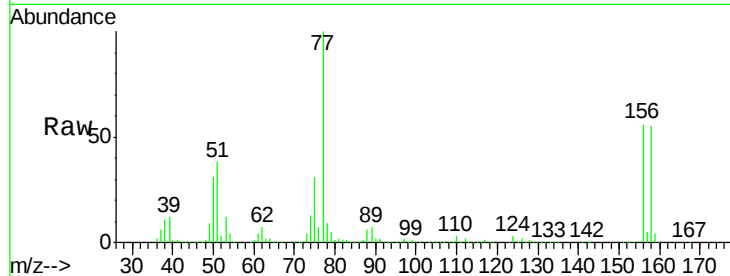
77 214.4 107.3 321.8

158 97.5 49.0 147.0

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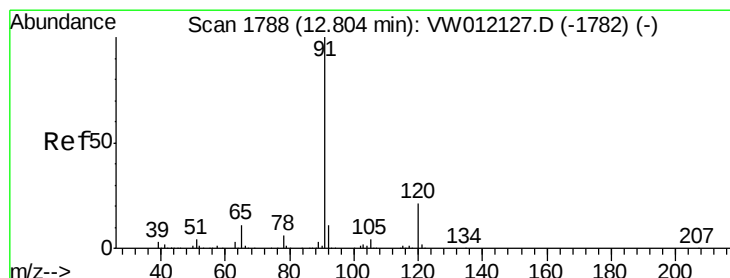
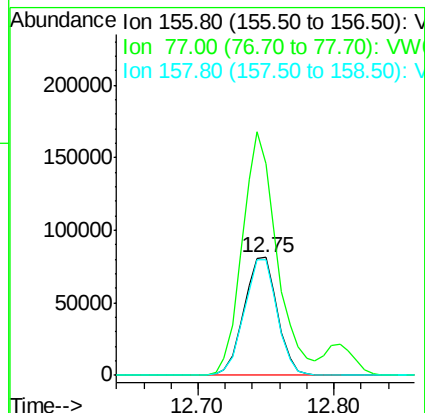
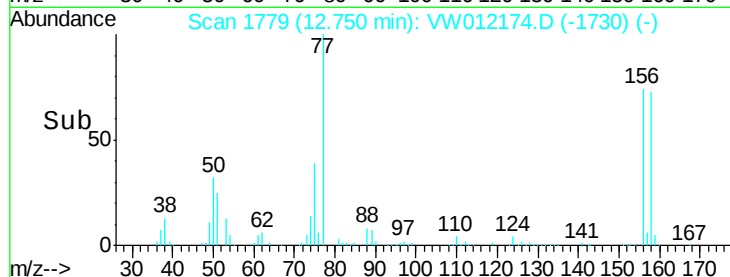
8/27/2019 11:04:21 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.896 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012174.D

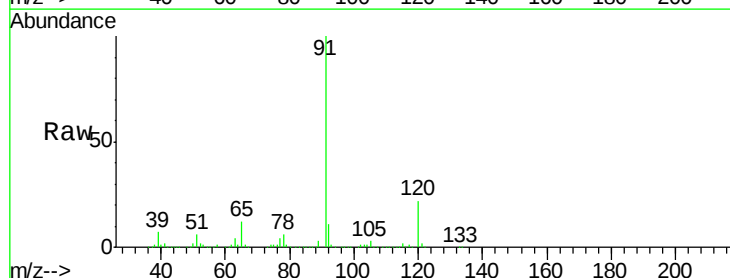
Acq: 26 Aug 2019 16:12

Tgt Ion: 91 Resp: 806891

Ion Ratio Lower Upper

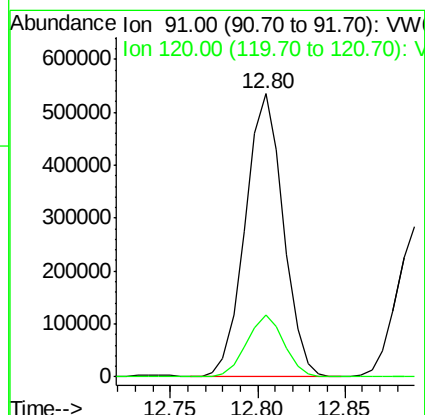
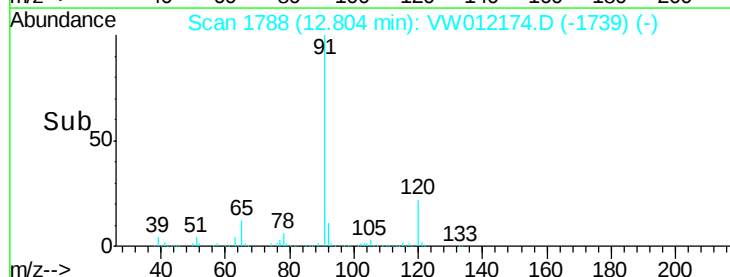
91 100

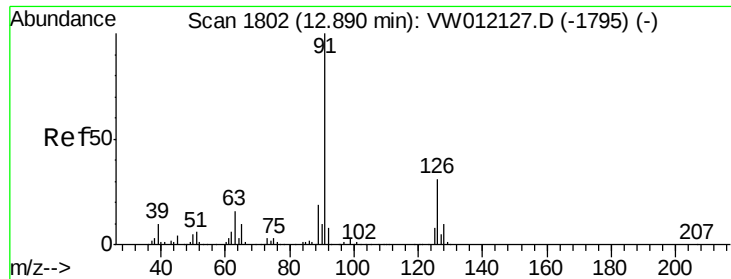
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.642 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 447639

Ion Ratio Lower Upper

91 100

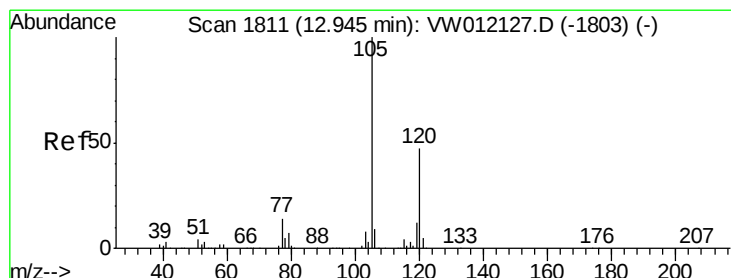
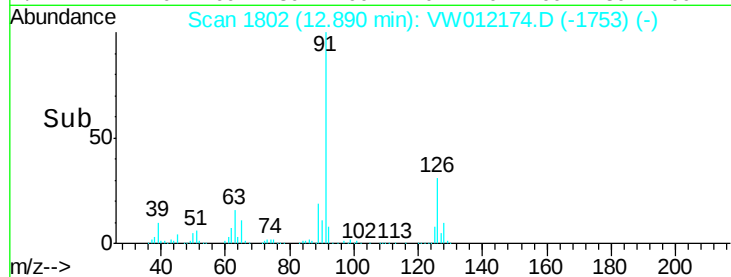
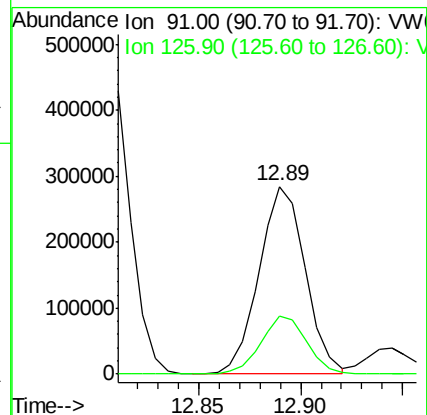
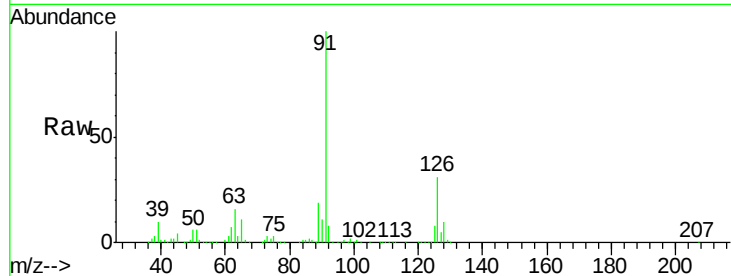
126 31.1 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 54.791 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012174.D

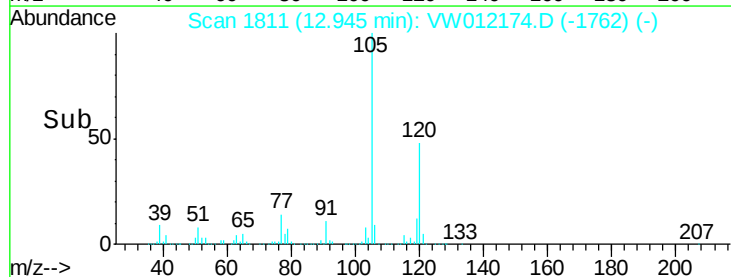
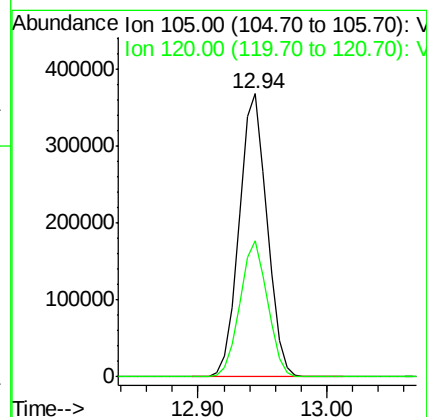
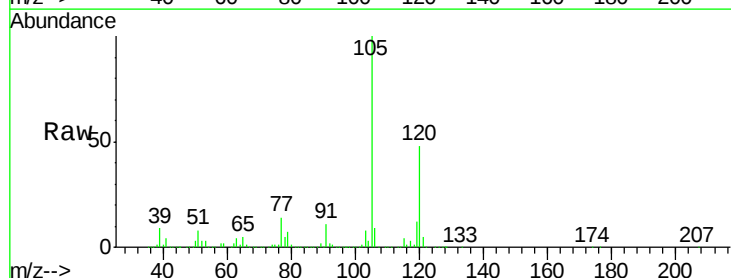
Acq: 26 Aug 2019 16:12

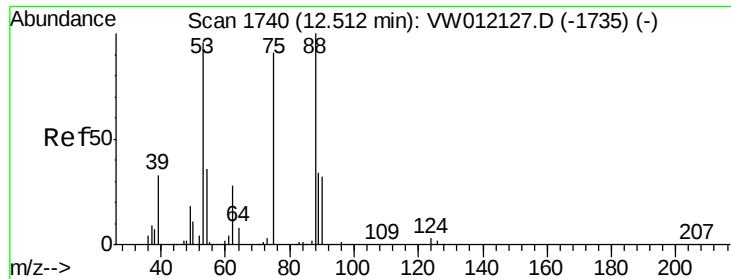
Tgt Ion: 105 Resp: 551237

Ion Ratio Lower Upper

105 100

120 47.7 24.0 72.0





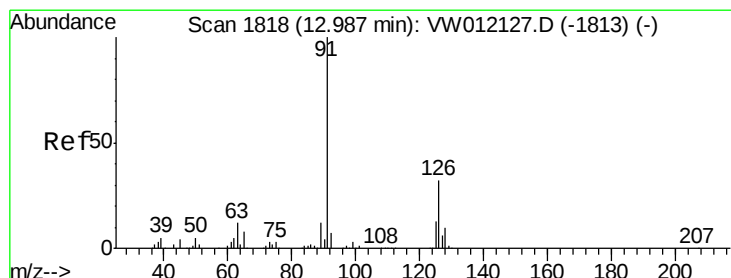
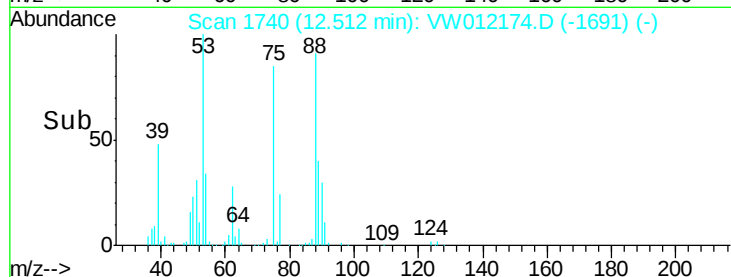
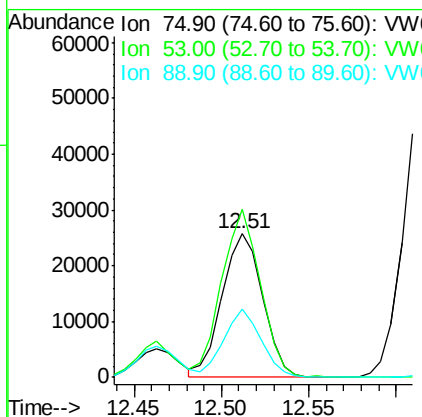
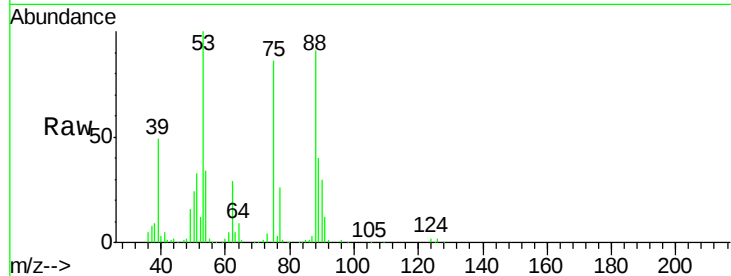
#81
trans-1,4-Dichloro-2-butene
Concen: 57.698 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.7	89.4	134.0
89	43.9	34.5	51.7

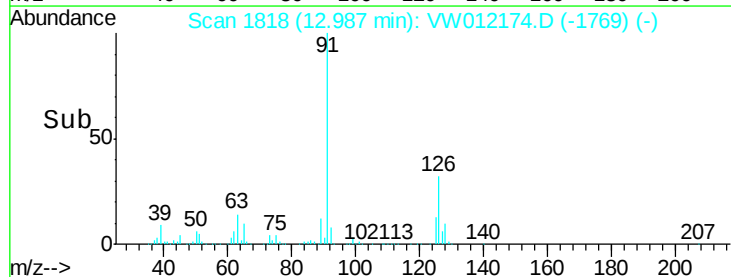
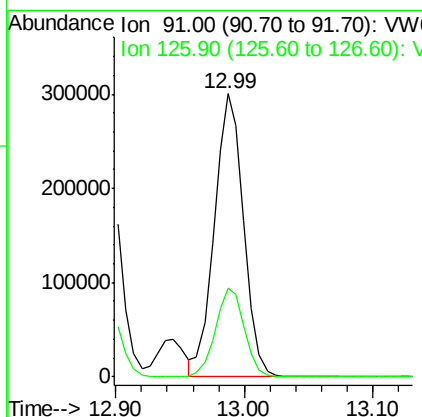
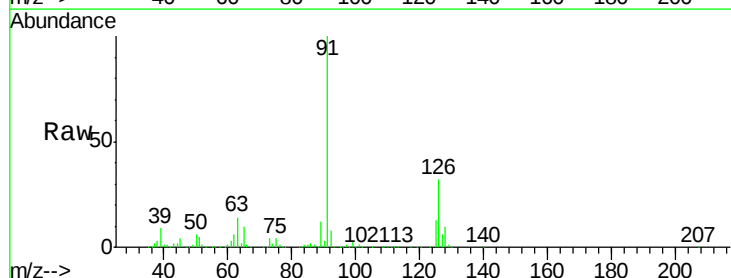
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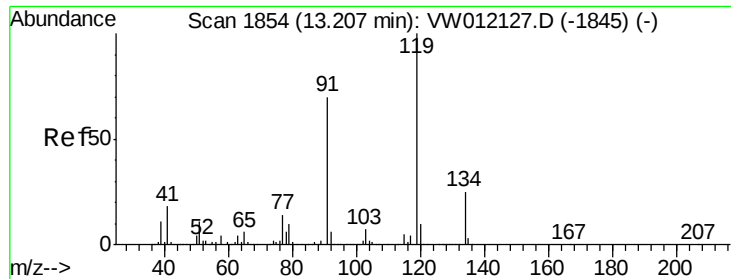
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#82
4-Chlorotoluene
Concen: 54.339 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





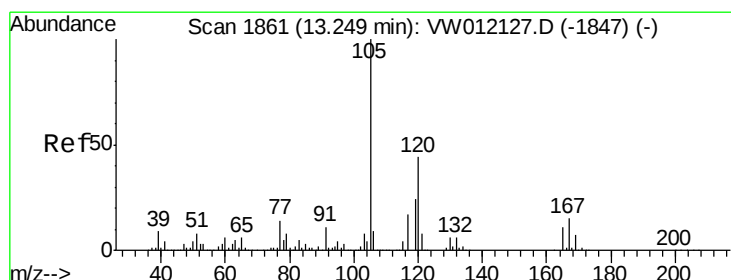
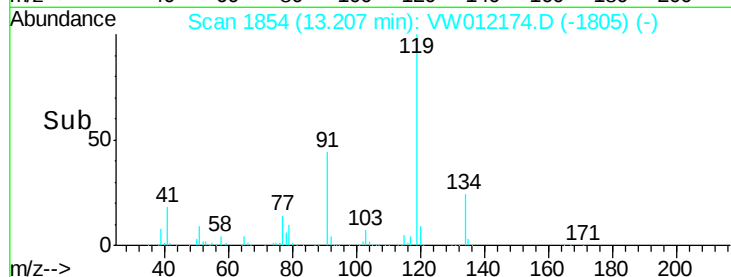
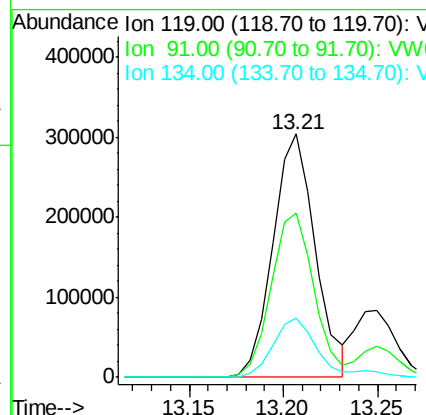
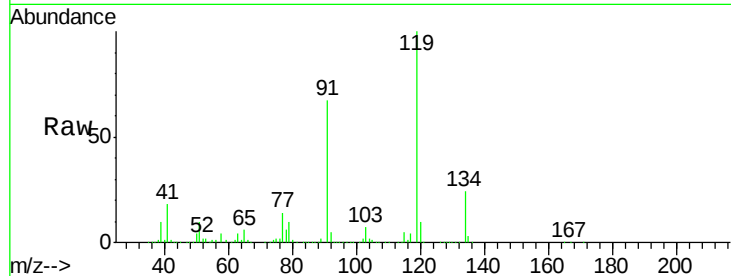
#83
tert-Butylbenzene
Concen: 55.559 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	473485		
91	68.0		34.8	104.3
134	24.4		13.3	39.8

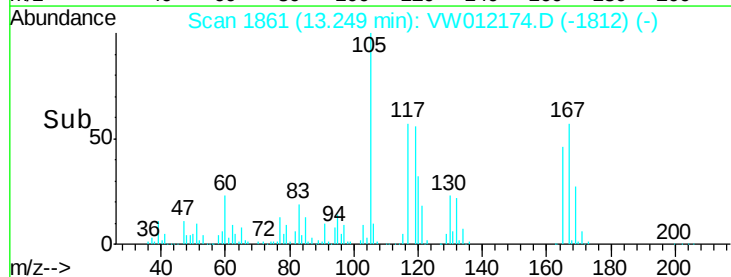
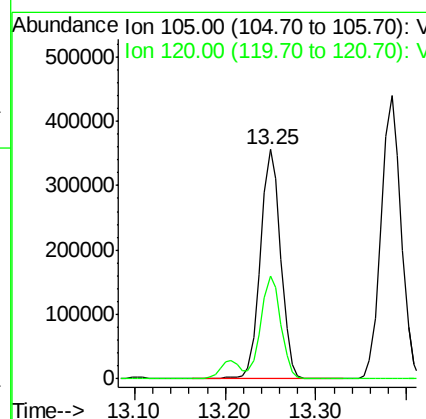
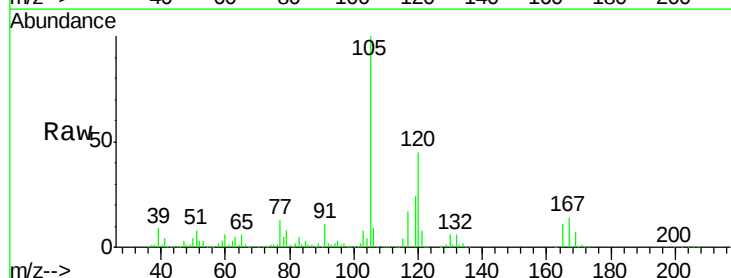
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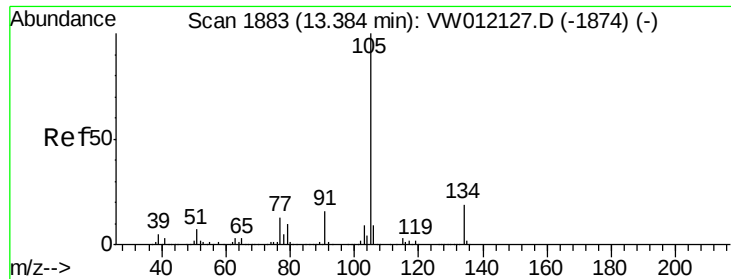
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#84
1,2,4-Trimethylbenzene
Concen: 54.443 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	550207		
120	43.7		21.9	65.7





#85

sec-Butylbenzene

Concen: 54.845 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 669634

Ion Ratio Lower Upper

105 100

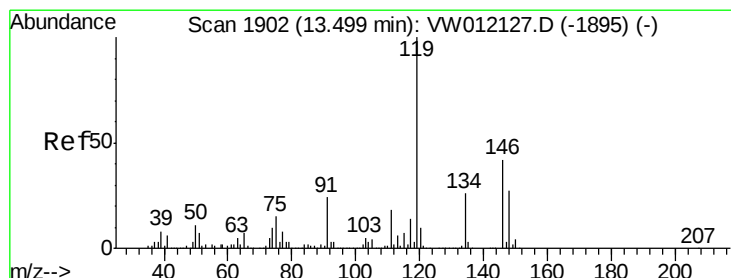
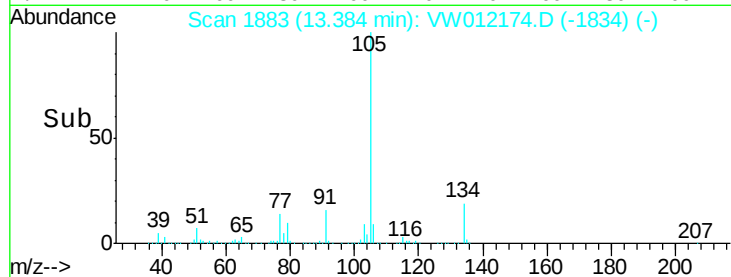
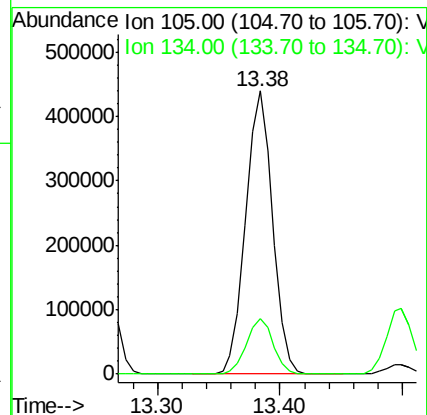
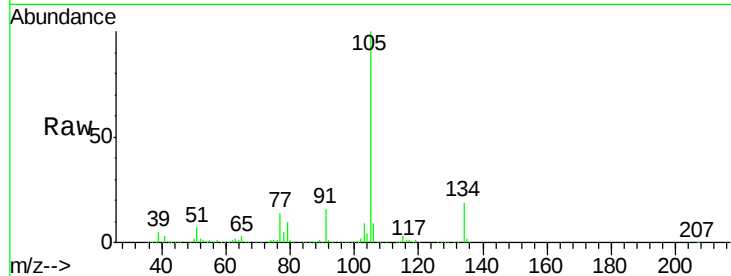
134 19.6 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 55.381 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012174.D

Acq: 26 Aug 2019 16:12

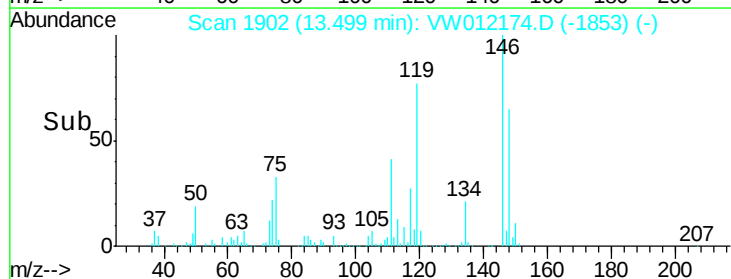
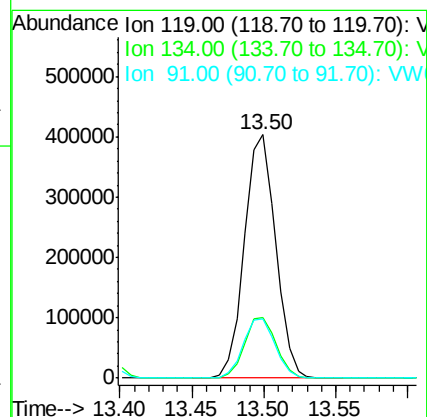
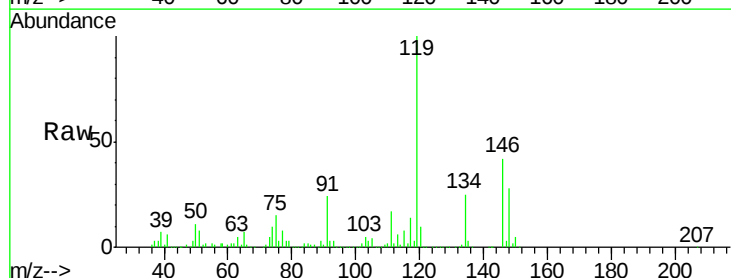
Tgt Ion:119 Resp: 603865

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 24.8 12.3 36.9





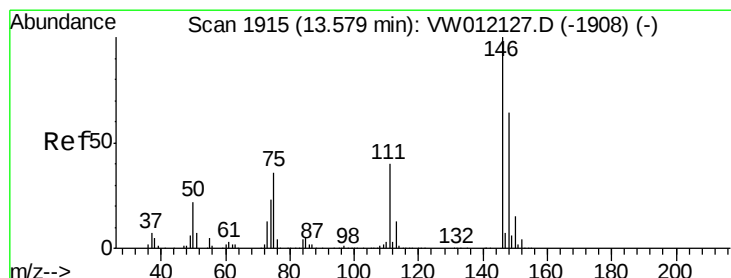
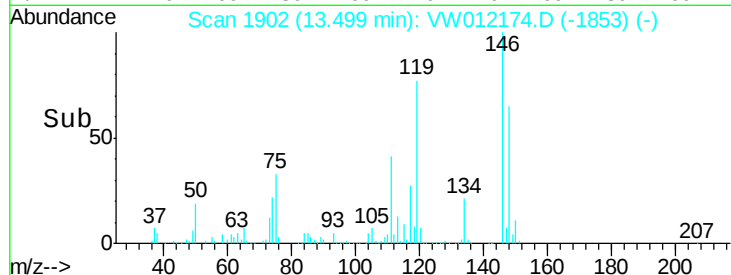
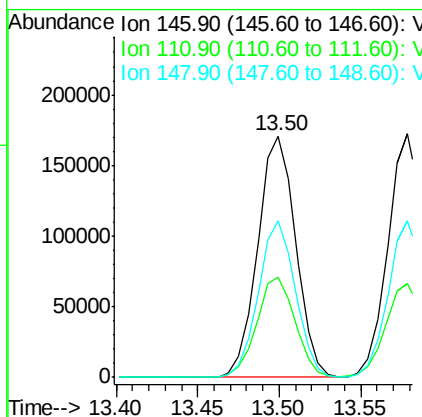
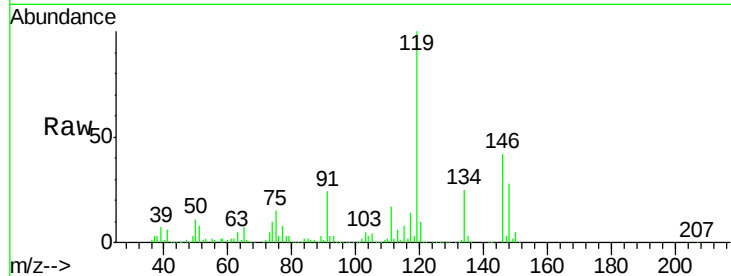
#87
 1,3-Dichlorobenzene
 Concen: 53.961 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	274920		
111	41.8	20.9	62.7	
148	63.4	32.2	96.6	

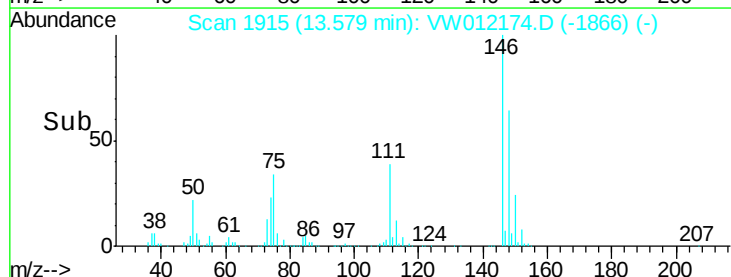
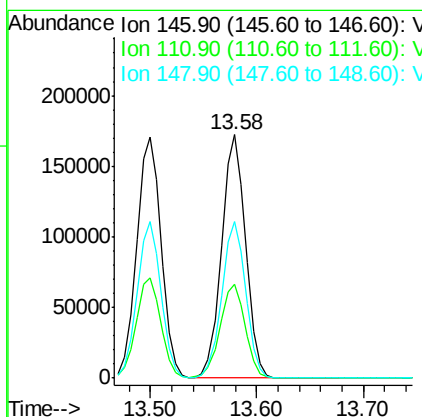
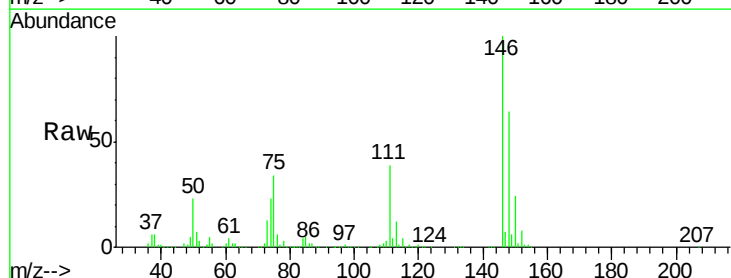
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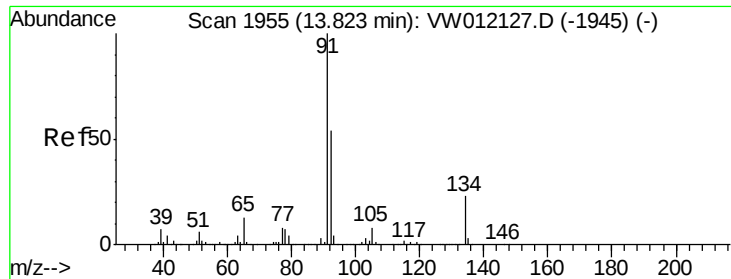
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#88
 1,4-Dichlorobenzene
 Concen: 53.657 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	271437		
111	40.0	20.0	60.0	
148	64.0	32.1	96.3	





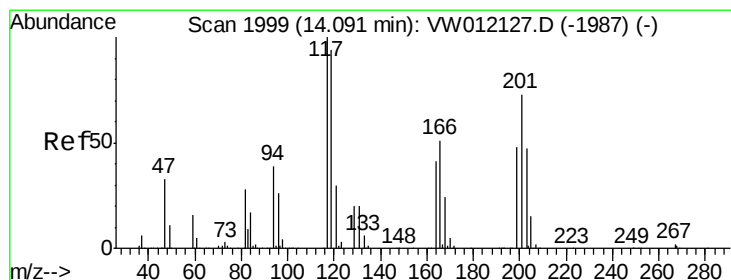
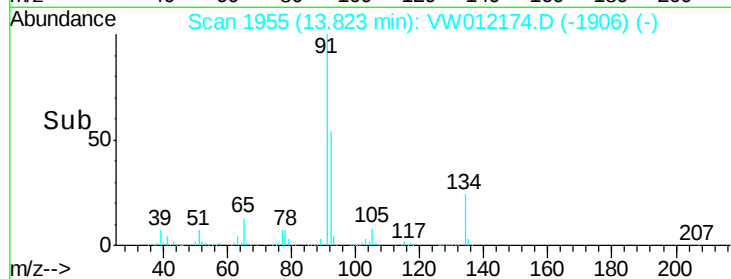
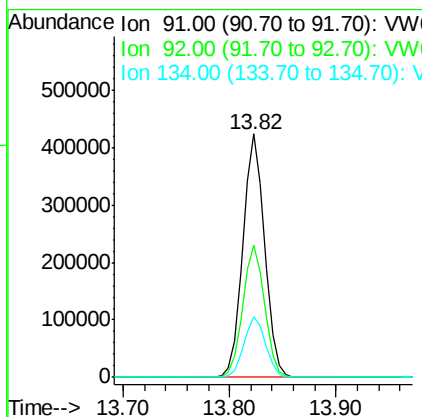
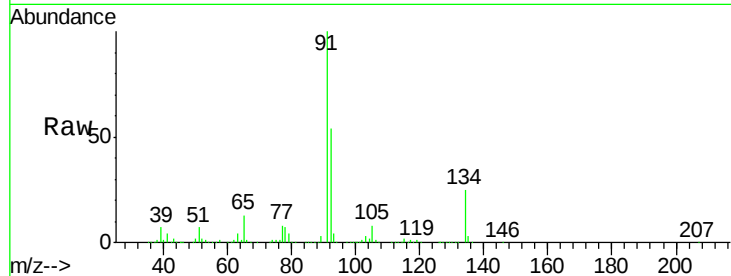
#89
n-Butylbenzene
Concen: 56.019 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.2
134	24.7	12.2	36.4

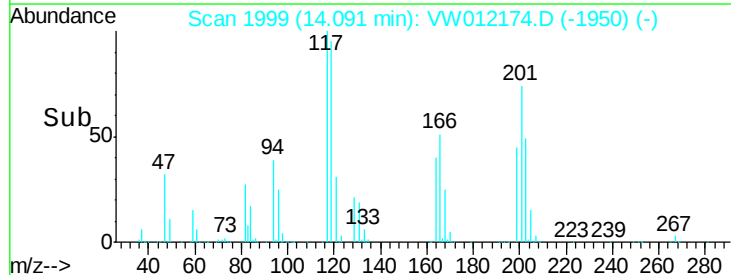
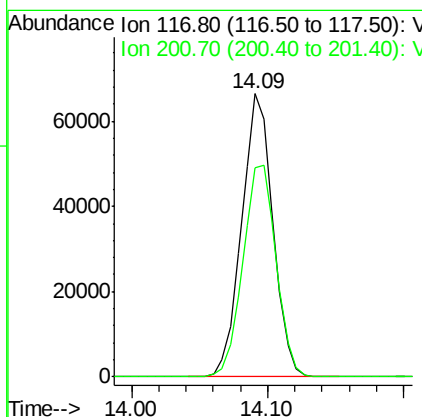
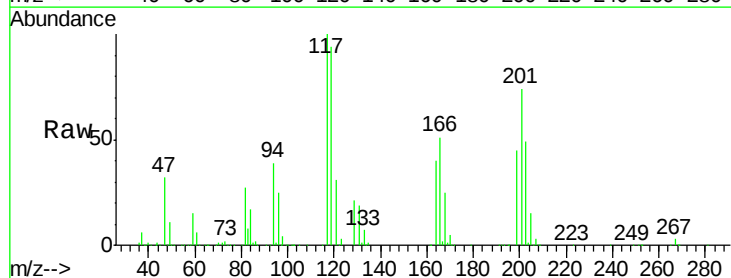
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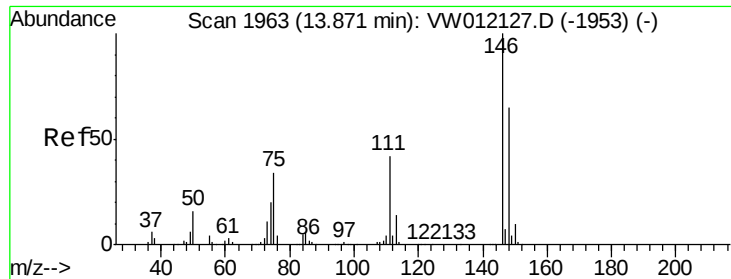
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#90
Hexachloroethane
Concen: 55.670 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	38.6	115.7





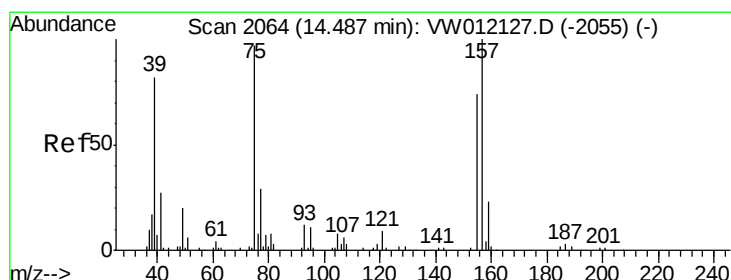
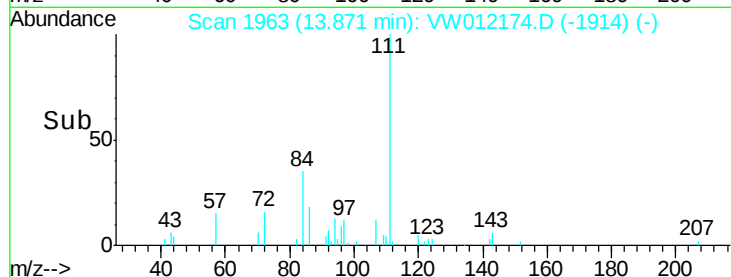
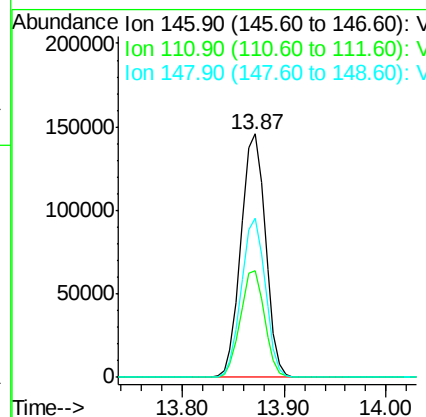
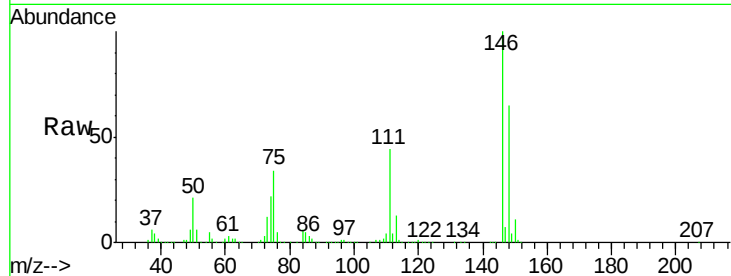
#91
 1,2-Dichlorobenzene
 Concen: 54.085 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	64.0	32.5	97.4

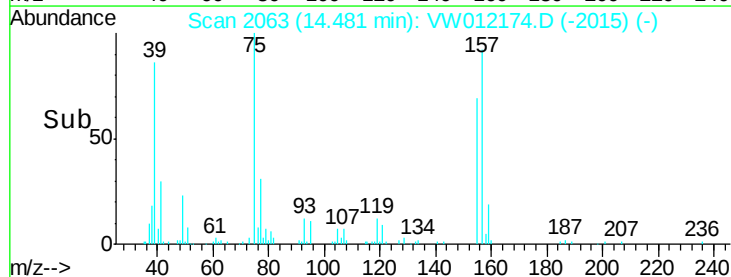
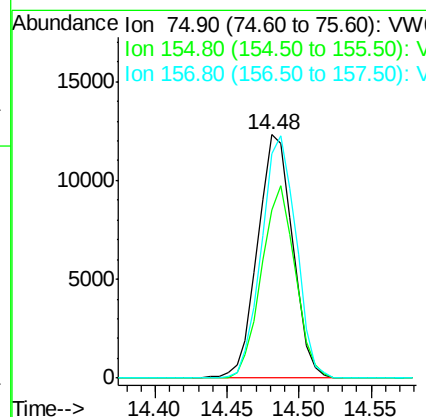
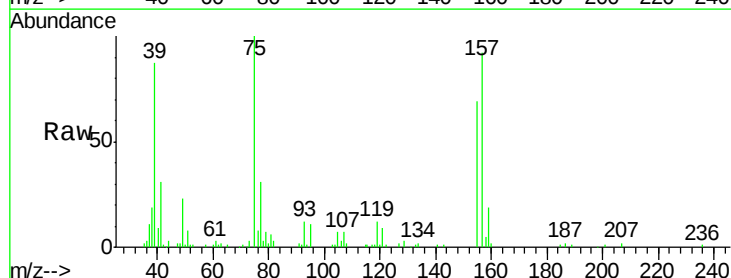
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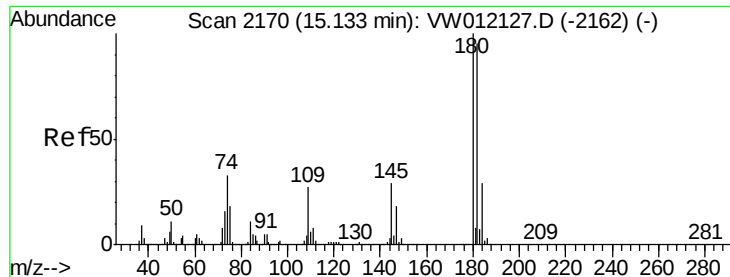
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.453 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	37.5	112.3
157	98.1	50.5	151.5





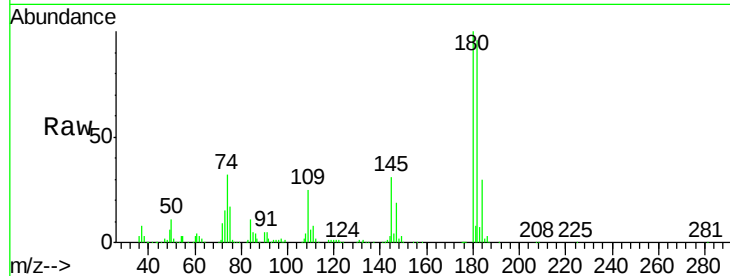
#93
 1,2,4-Trichlorobenzene
 Concen: 56.746 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

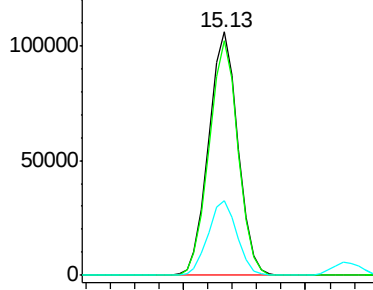
Tot Ion	Ratio	Resp	Lower	Upper
180	100	175270		
182	95.2	47.8	143.4	
145	30.2	15.0	45.1	

Manual Integrations
 APPROVED

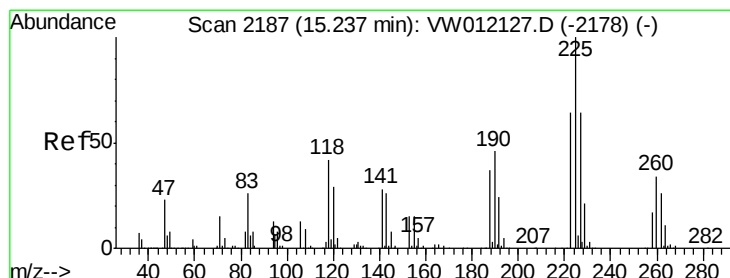
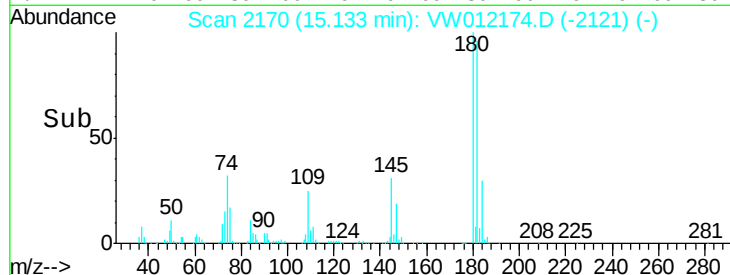
MMDadoda
 8/27/2019 11:04:21 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

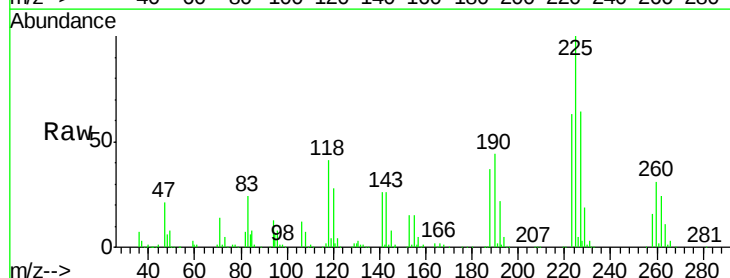


Time-->

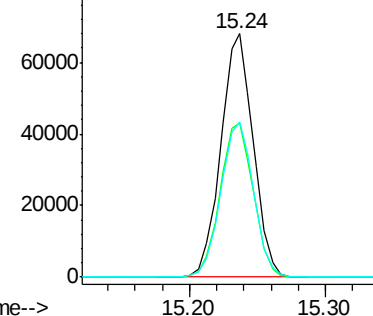


#94
 Hexachlorobutadiene
 Concen: 55.427 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012174.D
 Acq: 26 Aug 2019 16:12

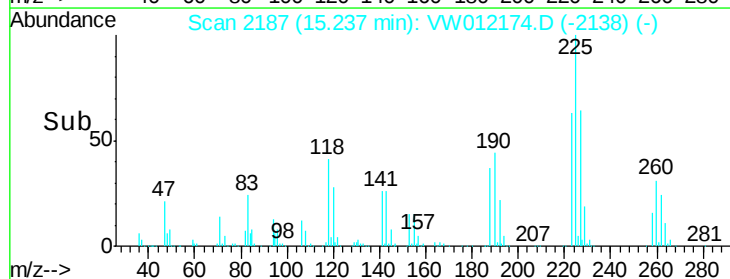
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113040		
223	65.3	32.3	96.8	
227	64.7	32.9	98.6	

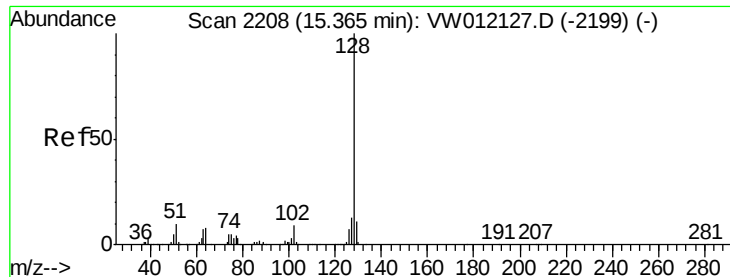


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





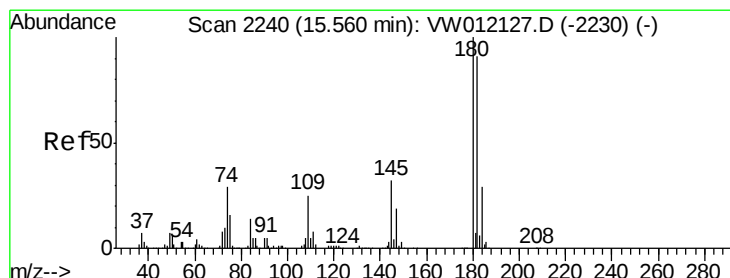
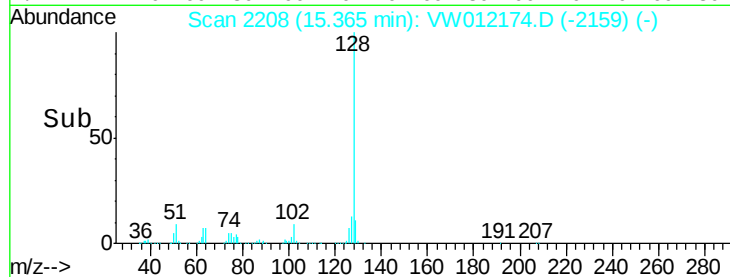
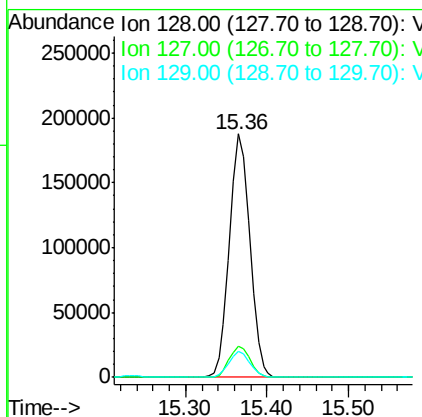
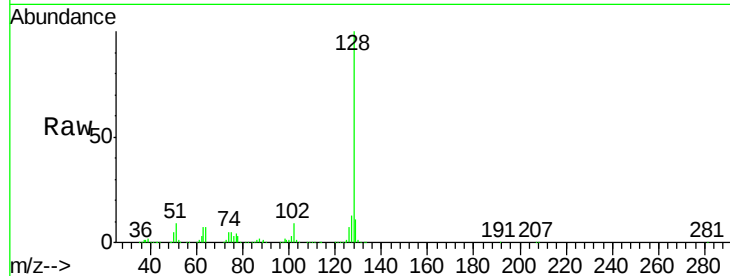
#95
Naphthalene
Concen: 53.251 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

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8/27/2019 11:04:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.421 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012174.D
Acq: 26 Aug 2019 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.1	141.3
145	32.7	16.2	48.5

