

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012464.D
 Acq On : 01 Sep 2019 22:57
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:45 AM

Quant Time: Sep 02 08:20:35 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	180972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	274532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	238044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	112620	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	7.88	113	84445	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.32	98	337015	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.62	95	119225	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52793	47.377	ug/l	97
3) Chloromethane	2.21	50	85555	49.557	ug/l	100
4) Vinyl Chloride	2.35	62	111023	52.542	ug/l	100
5) Bromomethane	2.77	94	58564	54.726	ug/l	99
6) Chloroethane	2.92	64	64859	54.412	ug/l	95
7) Trichlorofluoromethane	3.25	101	63827	60.156	ug/l	97
8) Diethyl Ether	3.68	74	52820	52.447	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	99026	54.908	ug/l	96
10) Methyl Iodide	4.27	142	124678	51.093	ug/l	97
11) Tert butyl alcohol	5.15	59	45639	352.520	ug/l	99
12) 1,1-Dichloroethene	4.04	96	94624	52.128	ug/l	94
13) Acrolein	3.89	56	26463	217.145	ug/l	98
14) Allyl chloride	4.67	41	201579	51.944	ug/l	99
15) Acrylonitrile	5.36	53	155158	310.824	ug/l	99
16) Acetone	4.11	43	152418	277.163	ug/l	97
17) Carbon Disulfide	4.38	76	271162	49.428	ug/l	99
18) Methyl Acetate	4.67	43	91717	67.337	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	173763	59.193	ug/l	99
20) Methylene Chloride	4.91	84	102555	49.331	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	100052	51.399	ug/l	98
22) Diisopropyl ether	6.31	45	385328	53.568	ug/l	99
23) Vinyl Acetate	6.25	43	1213316	274.082	ug/l	100
24) 1,1-Dichloroethane	6.21	63	203902	52.061	ug/l	99
25) 2-Butanone	7.17	43	220251	294.737	ug/l	97
26) 2,2-Dichloropropane	7.17	77	119500	53.906	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	108009	51.934	ug/l	98
28) Bromochloromethane	7.51	49	80716	47.284	ug/l	98
29) Tetrahydrofuran	7.52	42	141185	314.909	ug/l	99
30) Chloroform	7.67	83	189759	52.957	ug/l	99
31) Cyclohexane	7.96	56	190137	49.068	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	163425	57.653	ug/l	99
36) 1,1-Dichloropropene	8.08	75	159891	56.360	ug/l	99
37) Ethyl Acetate	7.25	43	95142	61.200	ug/l	100
38) Carbon Tetrachloride	8.07	117	148451	60.457	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	178127	55.890	ug/l	99
40) Benzene	8.32	78	418165	53.981	ug/l	100
41) Methacrylonitrile	7.48	41	62028	67.886	ug/l	96
42) 1,2-Dichloroethane	8.40	62	146110	60.181	ug/l	98
43) Isopropyl Acetate	8.42	43	176542	61.307	ug/l	99
44) Trichloroethene	9.09	130	105272	55.902	ug/l	97
45) 1,2-Dichloropropane	9.37	63	113191	54.293	ug/l	97
46) Dibromomethane	9.46	93	54554	58.812	ug/l	98
47) Bromodichloromethane	9.64	83	143961	58.313	ug/l	99
48) Methyl methacrylate	9.43	41	86628	63.206	ug/l	98
49) 1,4-Dioxane	9.45	88	19961	1405.652	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	476166	325.100	ug/l	99
52) Toluene	10.39	92	258234	55.490	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	145947	58.037	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	169102	55.692	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	77289	58.890	ug/l	98
56) Ethyl methacrylate	10.65	69	118076	61.815	ug/l	99
57) 1,3-Dichloropropane	10.93	76	145022	58.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	277616	283.188	ug/l	99
59) 2-Hexanone	10.97	43	327713	316.218	ug/l	99
60) Dibromochloromethane	11.13	129	88971	60.863	ug/l	100
61) 1,2-Dibromoethane	11.23	107	74086	60.592	ug/l	98
64) Tetrachloroethene	10.86	164	91729	59.437	ug/l	99
65) Chlorobenzene	11.66	112	254531	54.302	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	94744	57.940	ug/l	99
67) Ethyl Benzene	11.73	91	509423	56.419	ug/l	98
68) m/p-Xylenes	11.84	106	361203	111.056	ug/l	98
69) o-Xylene	12.16	106	166958	55.463	ug/l	99
70) Styrene	12.18	104	295123	56.641	ug/l	99
71) Bromoform	12.35	173	52145	64.005	ug/l	# 99
73) Isopropylbenzene	12.46	105	487209	54.552	ug/l	99
74) N-amyl acetate	12.27	43	158039	58.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	93340	57.007	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	67725m	58.342	ug/l	
77) Bromobenzene	12.74	156	104412	54.039	ug/l	100
78) n-propylbenzene	12.80	91	595589	54.626	ug/l	100
79) 2-Chlorotoluene	12.89	91	331149	53.496	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	409575	54.882	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	31587	59.660	ug/l	99
82) 4-Chlorotoluene	12.99	91	348513	53.770	ug/l	99
83) tert-Butylbenzene	13.21	119	357268	56.515	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	408138	54.443	ug/l	99
85) sec-Butylbenzene	13.38	105	505239	55.785	ug/l	99
86) p-Isopropyltoluene	13.50	119	455963	56.373	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	202953	53.702	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	200836	53.521	ug/l	99
89) n-Butylbenzene	13.82	91	450170	55.968	ug/l	100
90) Hexachloroethane	14.09	117	78902	55.601	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	183006	55.199	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17816	64.544	ug/l	96

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QLast Update : Mon Aug 26 07:18:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	126881	55.379	ug/l	99
94) Hexachlorobutadiene	15.24	225	90868	60.065	ug/l	98
95) Naphthalene	15.36	128	246407	54.392	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	112981	56.520	ug/l	99

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

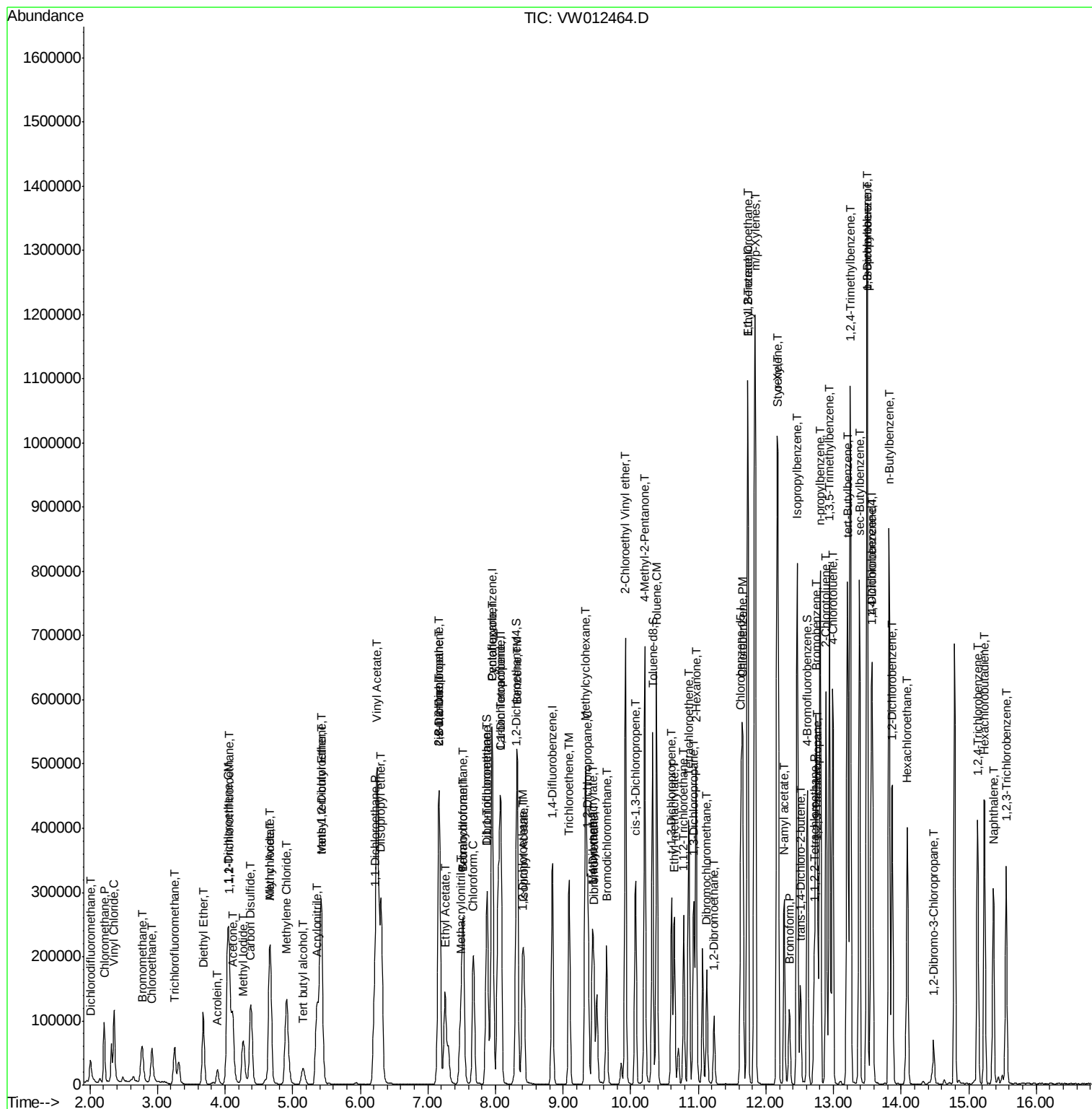
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Data File : VW012464.D
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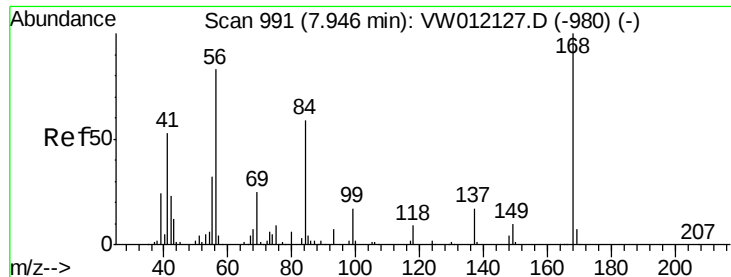
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 180972

Ion Ratio Lower Upper

168 100

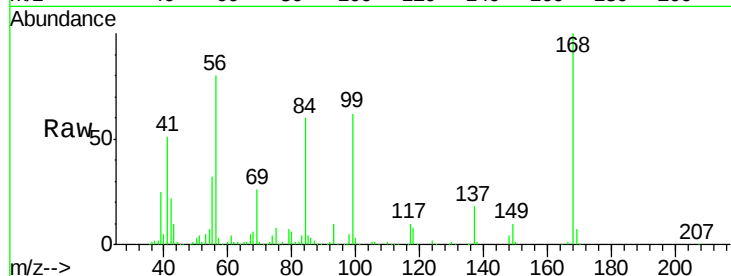
99 62.3 49.2 73.8

Manual Integrations

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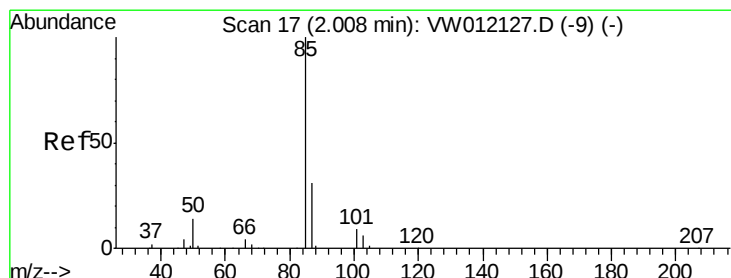
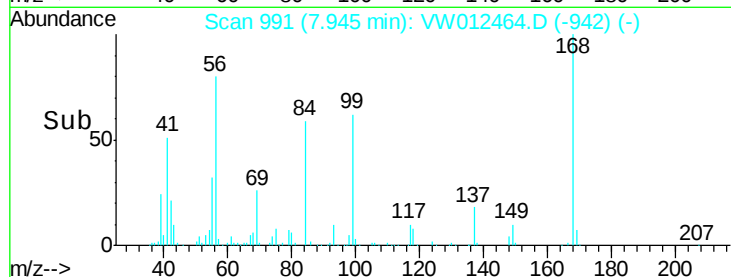
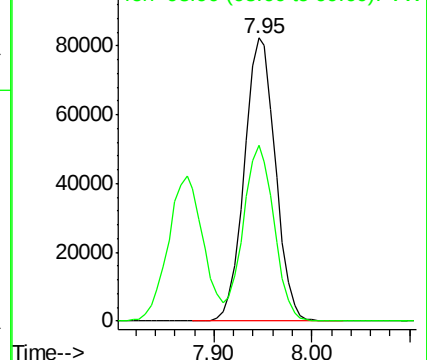
MMDadoda

9/3/2019 10:44:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.377 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012464.D

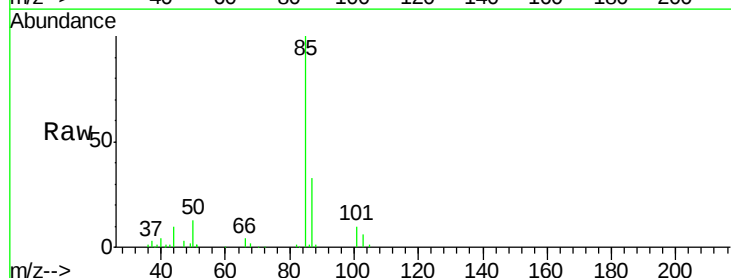
Acq: 01 Sep 2019 22:57

Tgt Ion: 85 Resp: 52793

Ion Ratio Lower Upper

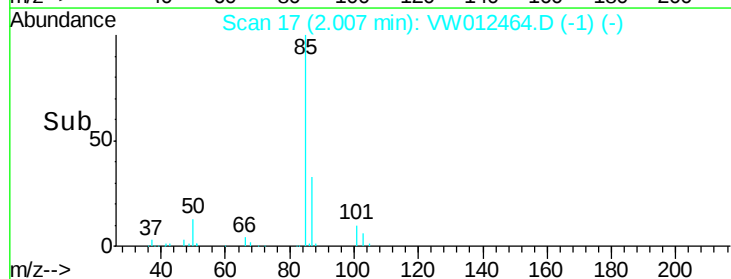
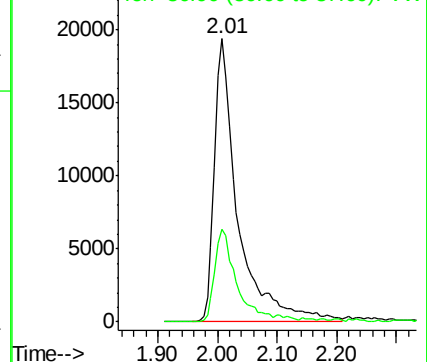
85 100

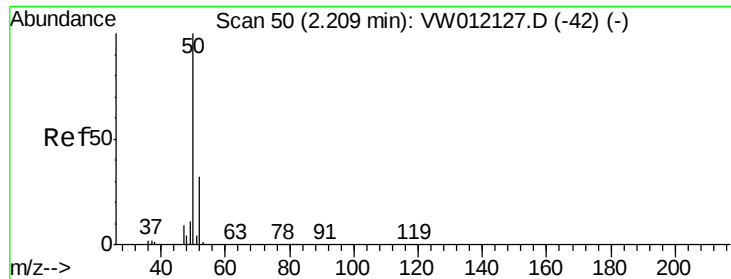
87 32.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 49.557 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 85555

Ion Ratio Lower Upper

50 100

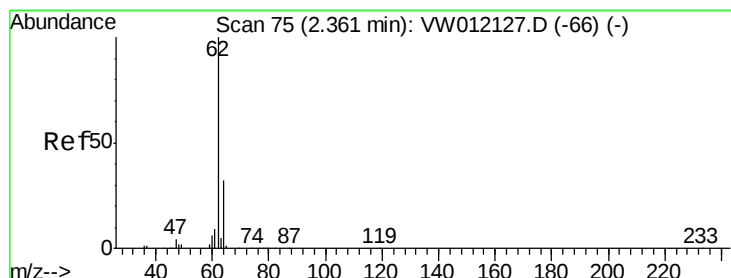
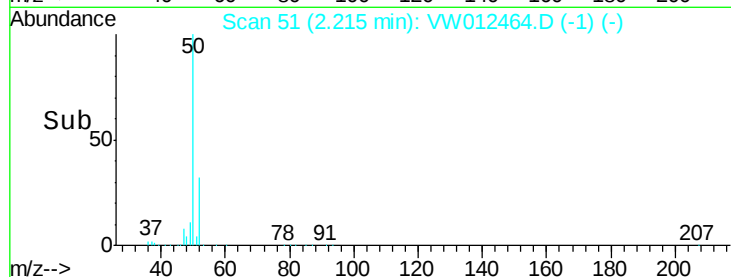
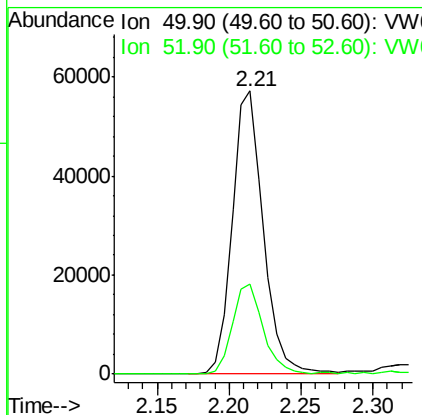
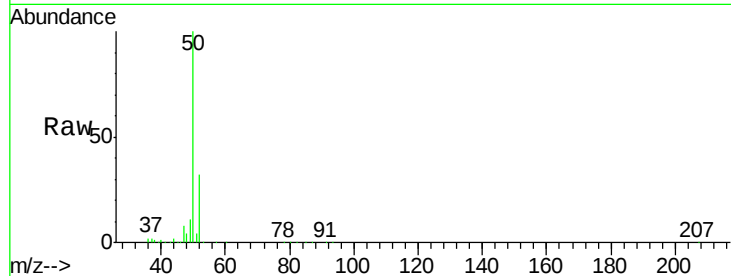
52 31.8 25.5 38.3

Manual Integrations

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9/3/2019 10:44:45 AM



#4

Vinyl Chloride

Concen: 52.542 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012464.D

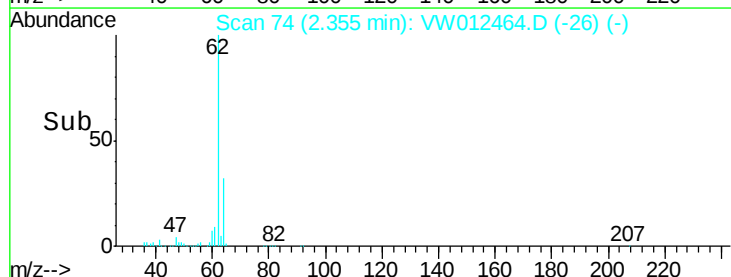
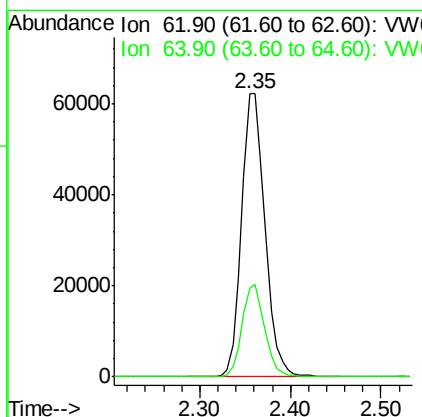
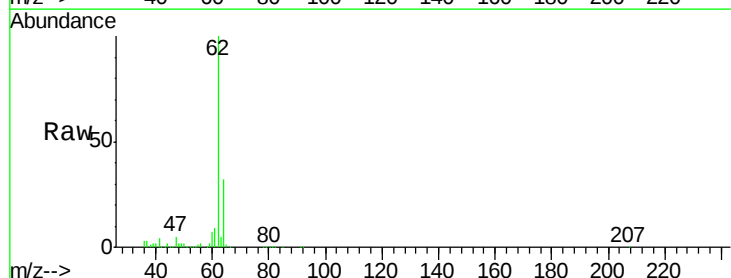
Acq: 01 Sep 2019 22:57

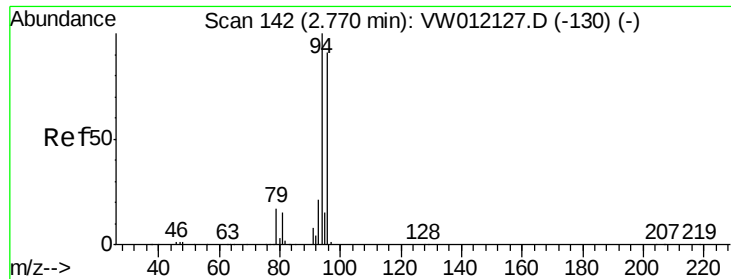
Tgt Ion: 62 Resp: 111023

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 54.726 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 58564

Ion Ratio Lower Upper

94 100

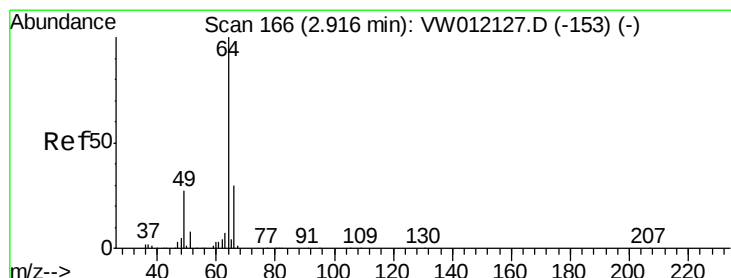
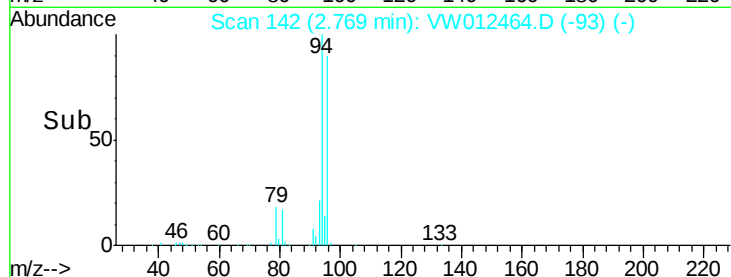
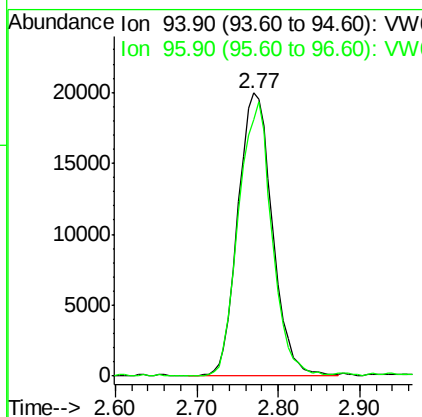
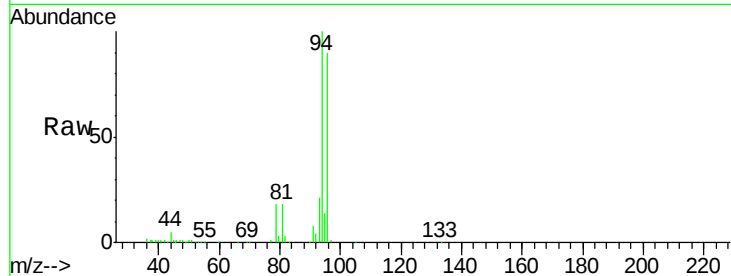
96 90.4 72.9 109.3

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9/3/2019 10:44:45 AM



#6

Chloroethane

Concen: 54.412 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

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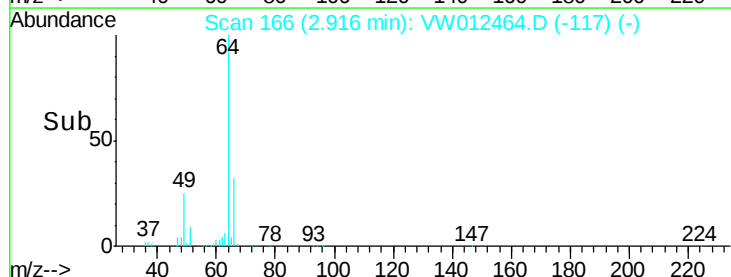
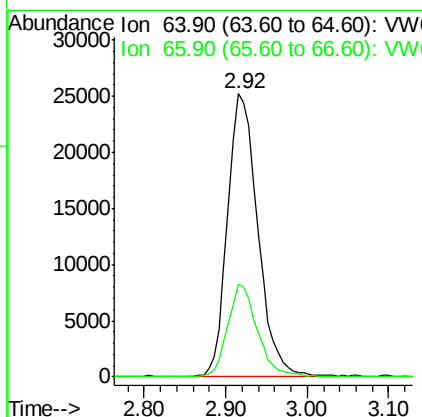
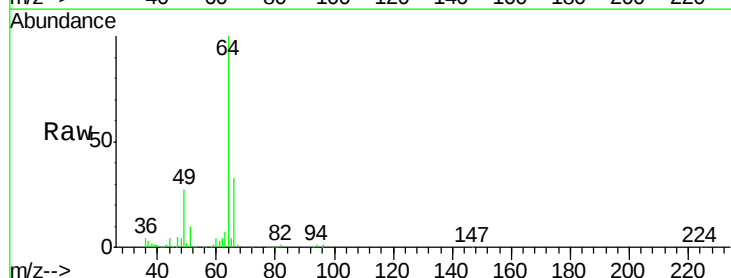
Acq: 01 Sep 2019 22:57

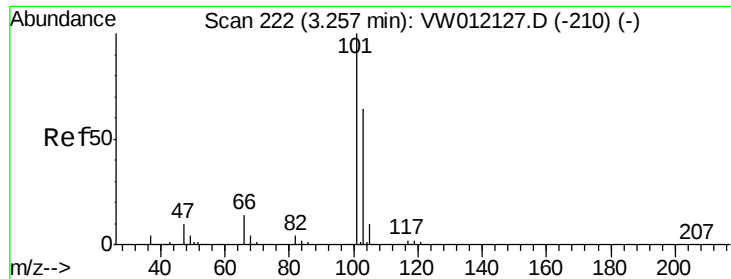
Tgt Ion: 64 Resp: 64859

Ion Ratio Lower Upper

64 100

66 32.6 23.8 35.8





#7

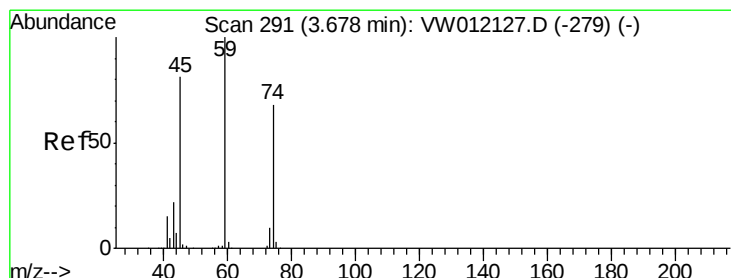
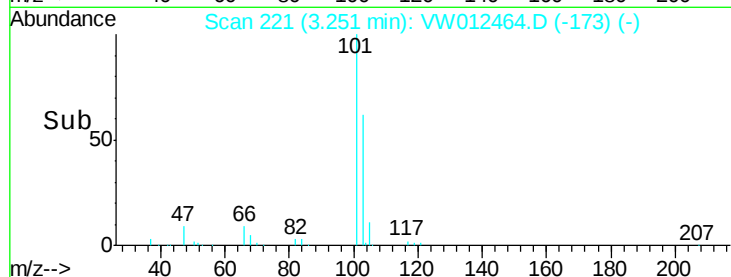
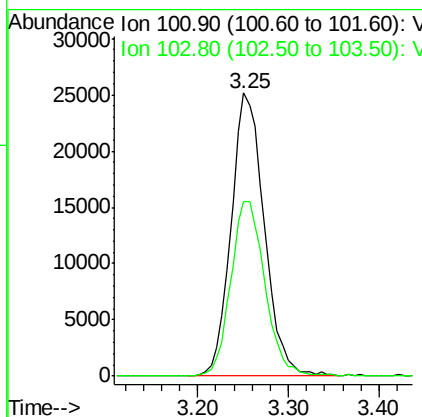
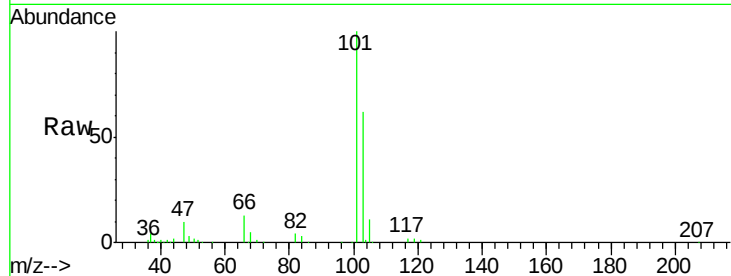
Trichlorofluoromethane
 Concen: 60.156 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	51.2	76.8

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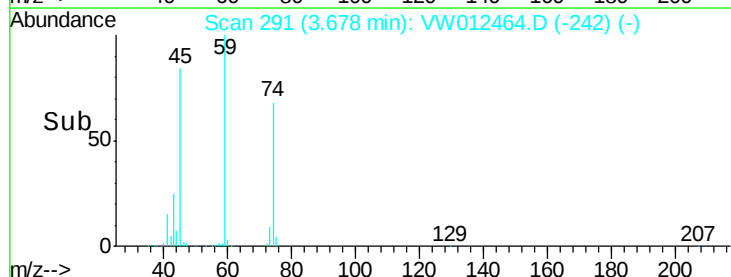
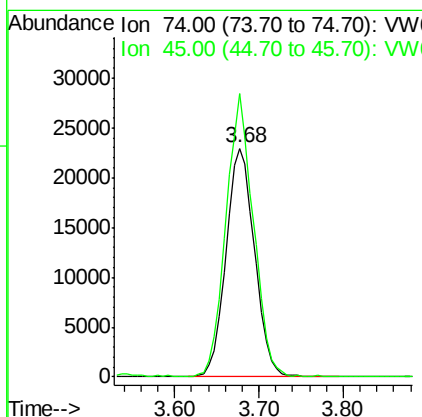
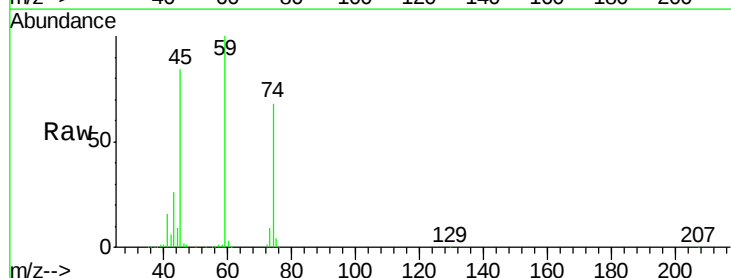
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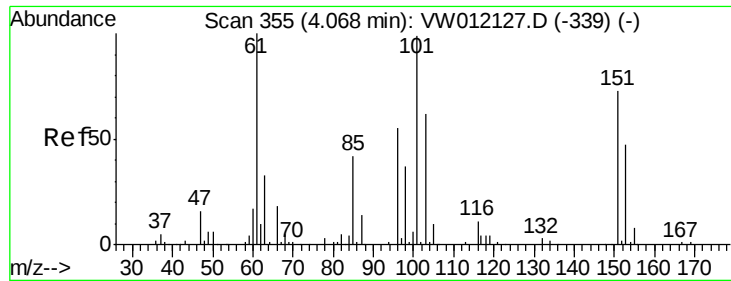


#8

Diethyl Ether
 Concen: 52.447 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.5	59.2	177.6





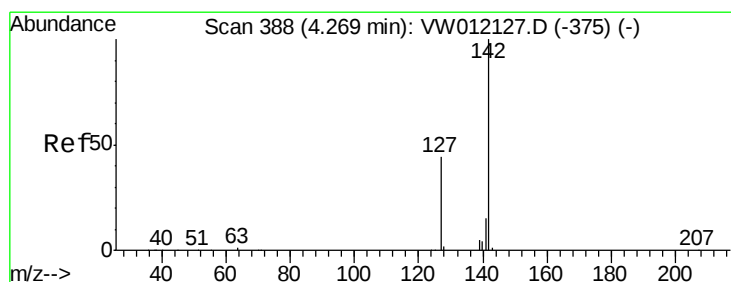
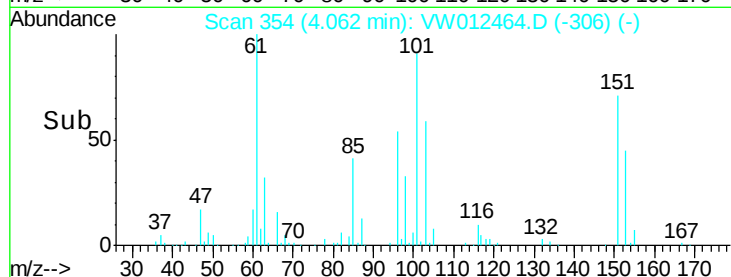
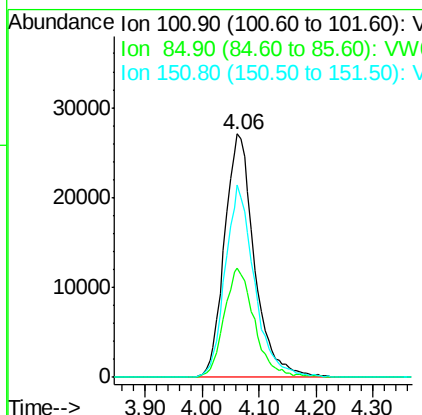
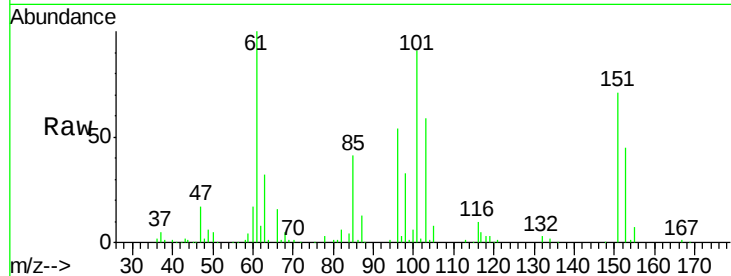
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 54.908 ug/l
 RT: 4.06 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	99026		
85	45.6		35.8	53.6
151	77.4		58.6	87.8

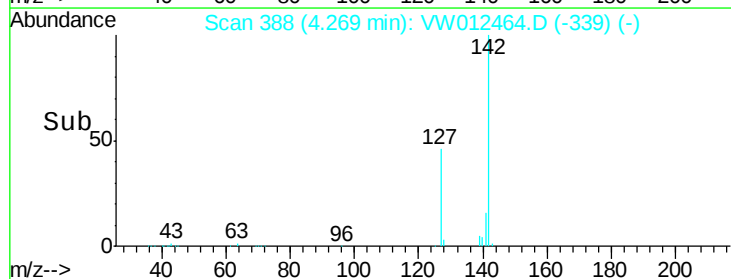
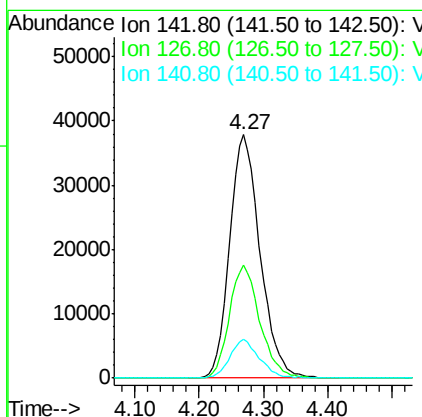
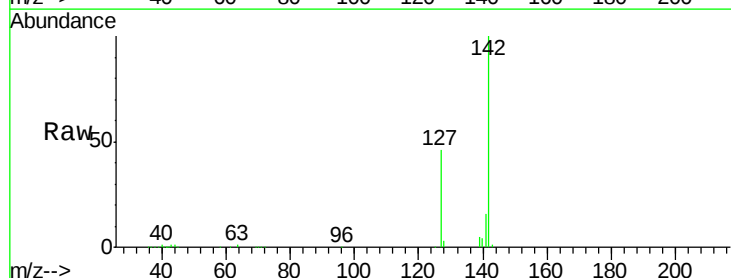
Manual Integrations
 APPROVED

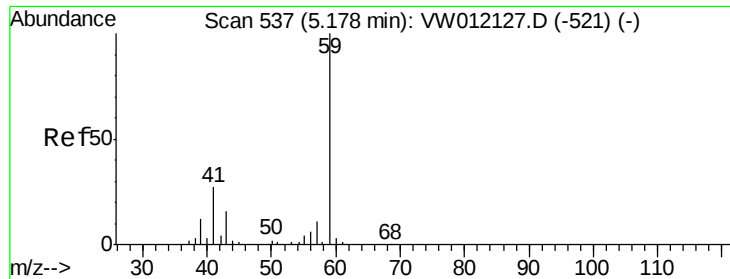
MMDadoda
 9/3/2019 10:44:45 AM



#10
 Methyl Iodide
 Concen: 51.093 ug/l
 RT: 4.27 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	124678		
127	46.5		35.5	53.3
141	15.3		11.8	17.8





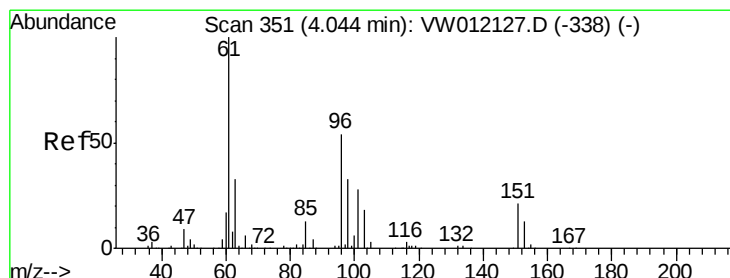
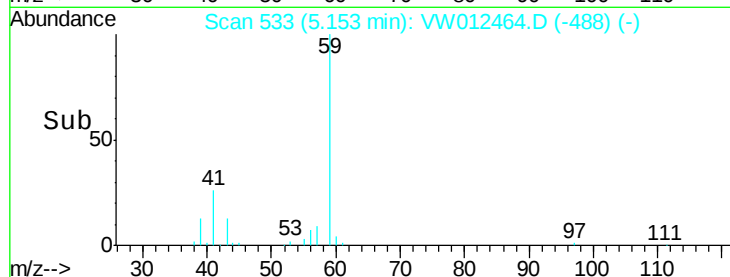
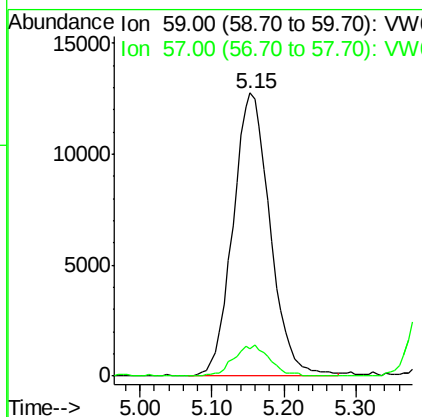
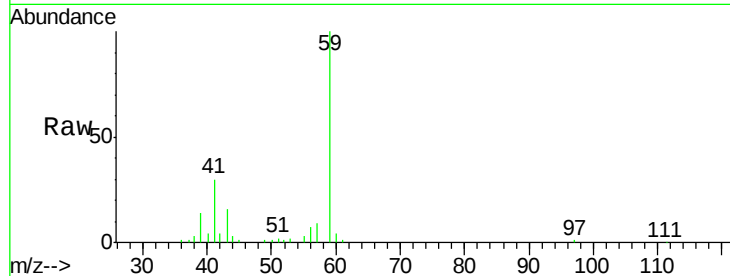
#11
Tert butyl alcohol
Concen: 352.520 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	59	Resp	45639
Ion Ratio	100	Lower	Upper
57	10.7	9.0	13.4

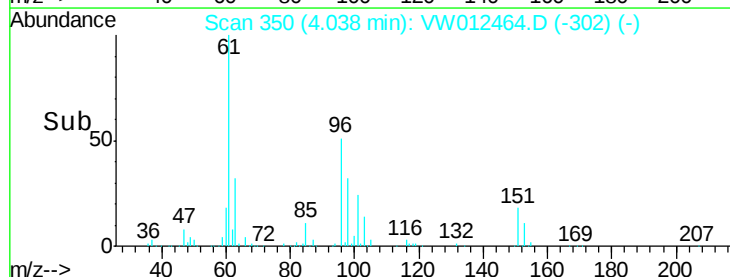
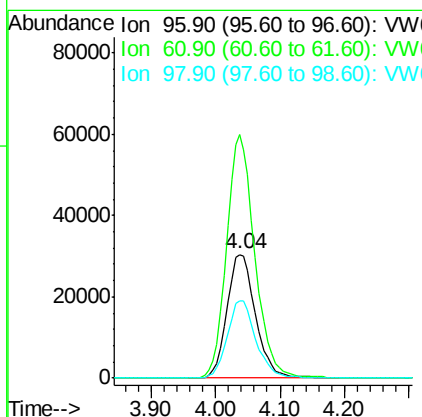
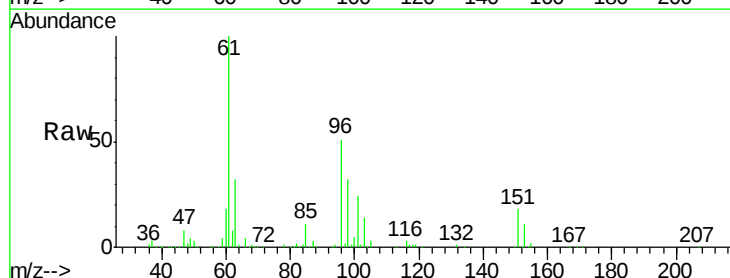
Manual Integrations
APPROVED

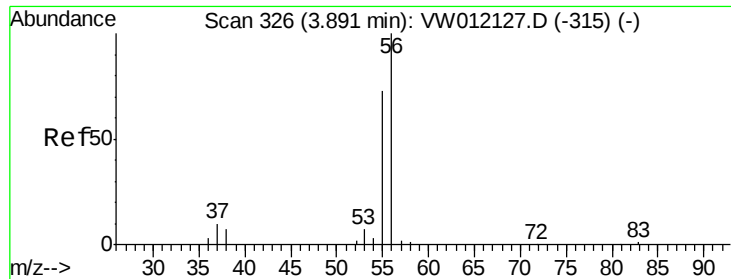
MMDadoda
9/3/2019 10:44:45 AM



#12
1,1-Dichloroethene
Concen: 52.128 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	96	Resp	94624
Ion Ratio	100	Lower	Upper
61	196.6	149.1	223.7
98	62.9	49.4	74.2





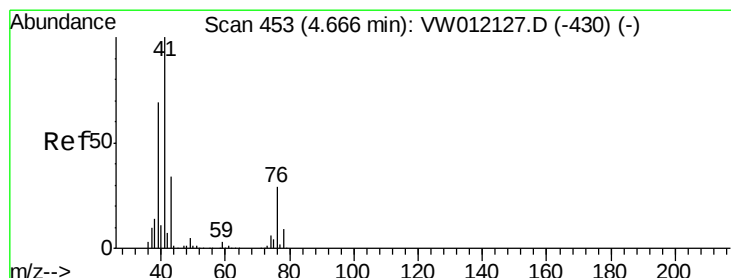
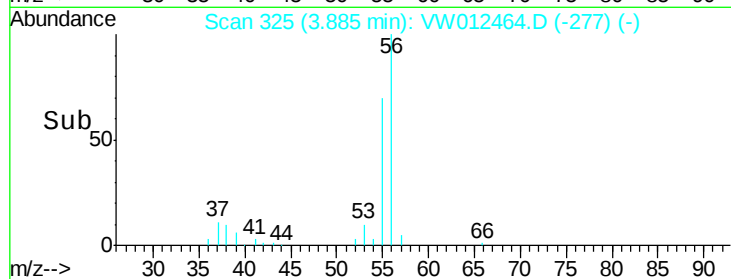
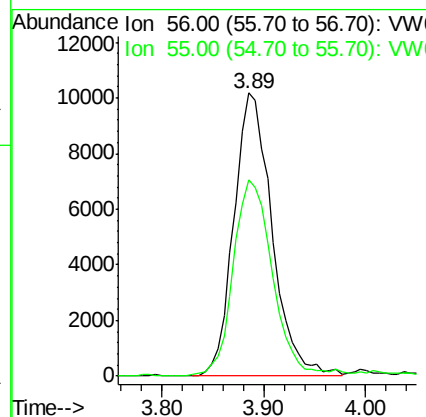
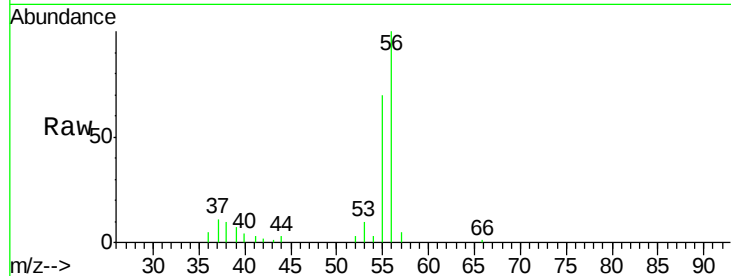
#13
 Acrolein
 Concen: 217.145 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	Resp	26463
Ion Ratio	100	Lower	Upper
55	71.7	55.8	83.8

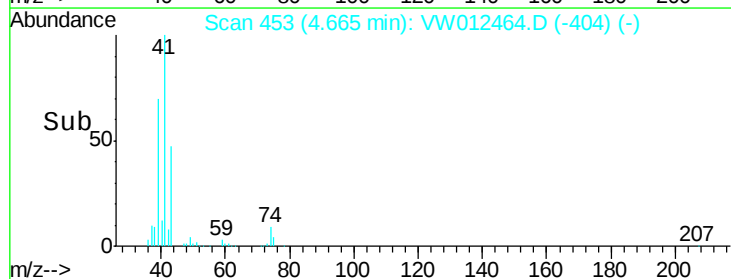
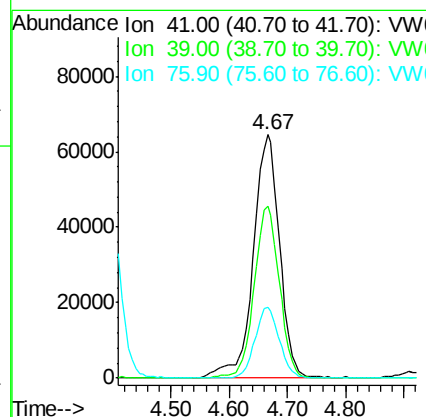
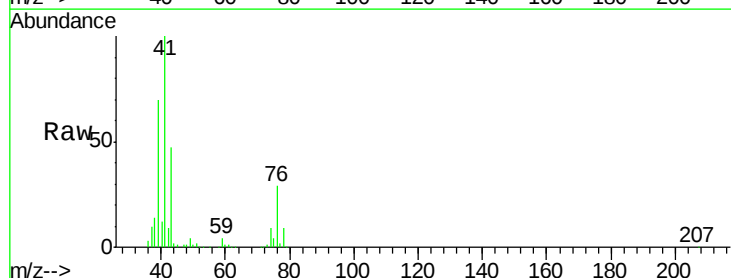
Manual Integrations
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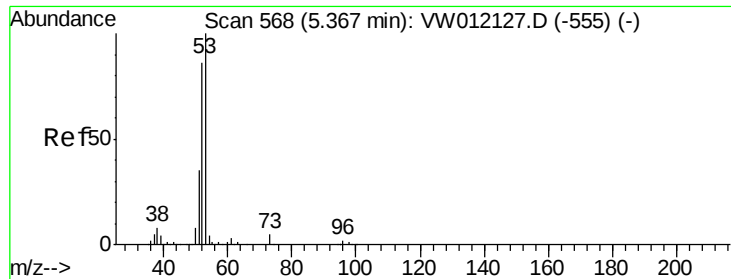
MMDadoda
 9/3/2019 10:44:45 AM



#14
 Allyl chloride
 Concen: 51.944 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	41	Resp	201579
Ion Ratio	100	Lower	Upper
39	67.8	53.4	80.2
76	27.0	22.1	33.1





#15

Acrylonitrile

Concen: 310.824 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

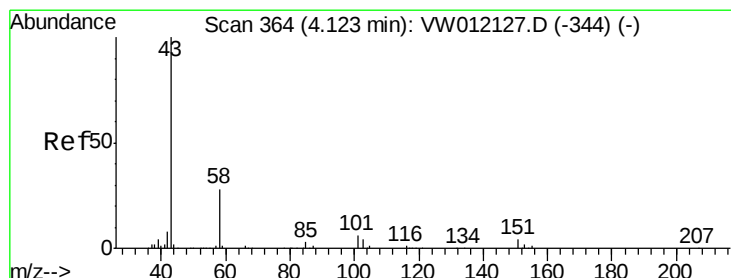
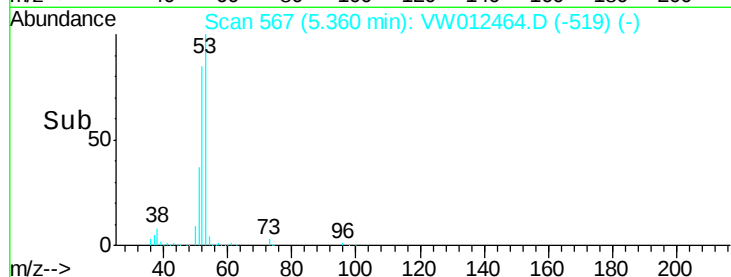
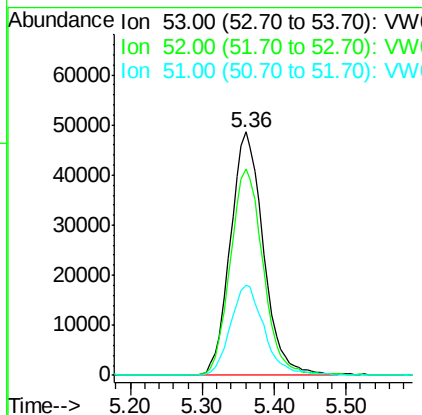
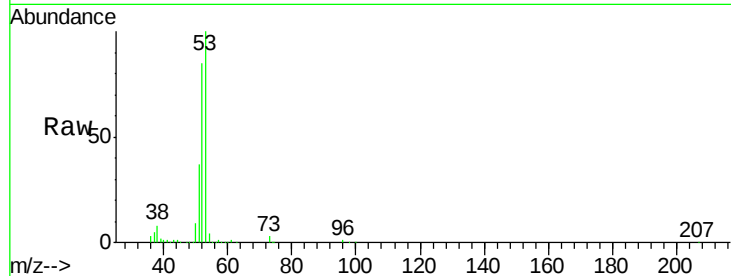
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	155158
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.7	100.1
51	38.1	30.1	45.1

Manual Integrations
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MMDadoda
9/3/2019 10:44:45 AM



#16

Acetone

Concen: 277.163 ug/l

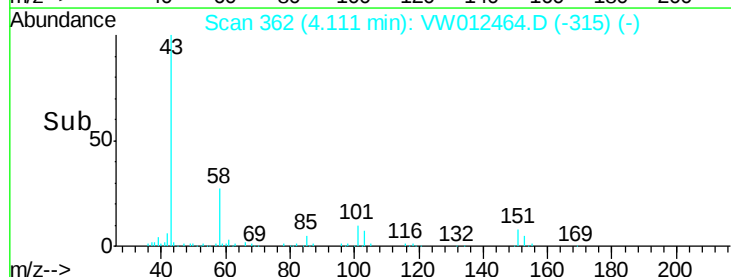
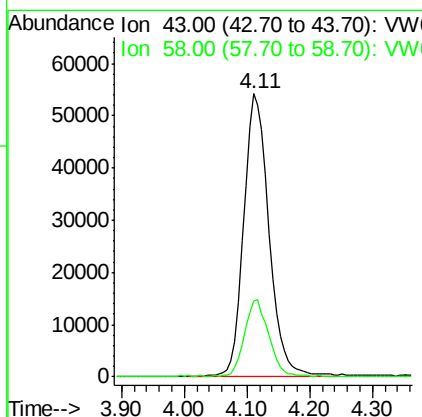
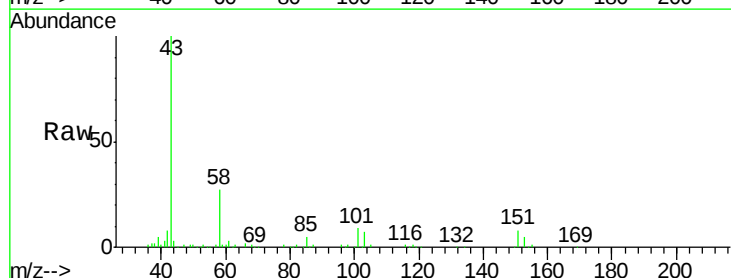
RT: 4.11 min Scan# 362

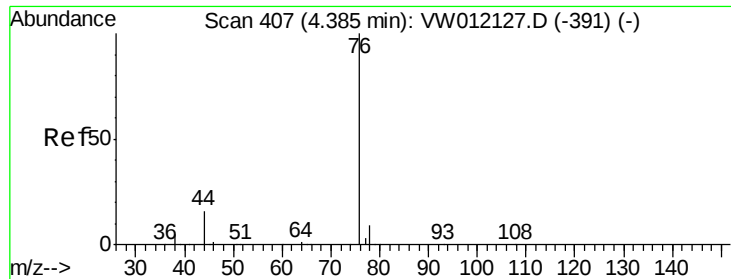
Delta R.T. -0.01 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Tgt Ion:	43	Resp:	152418
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.4	33.6





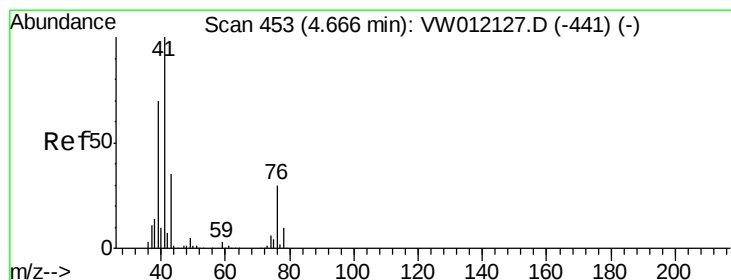
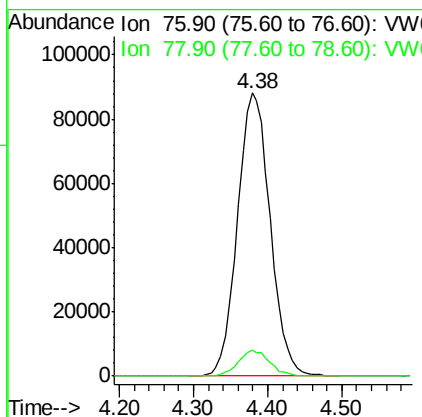
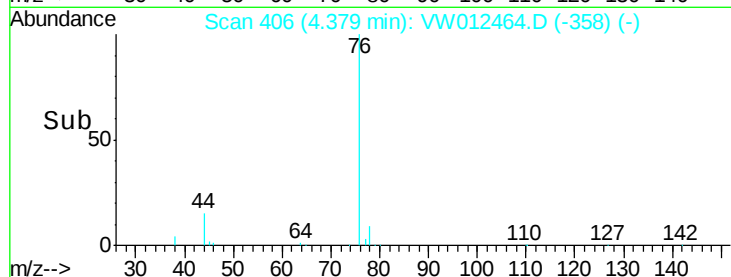
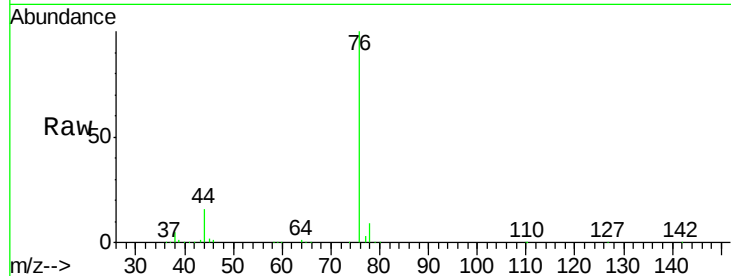
#17
Carbon Disulfide
Concen: 49.428 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

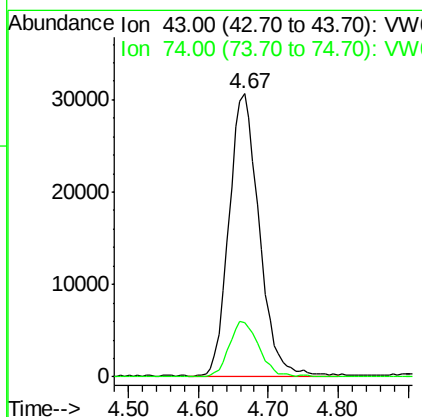
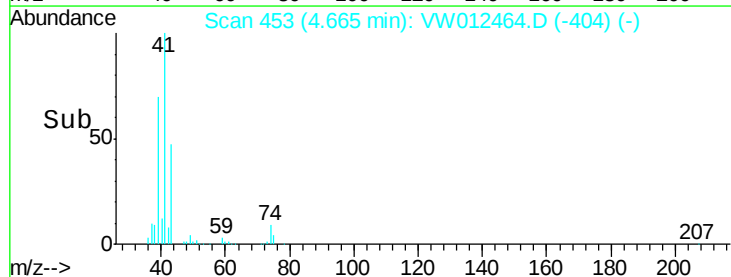
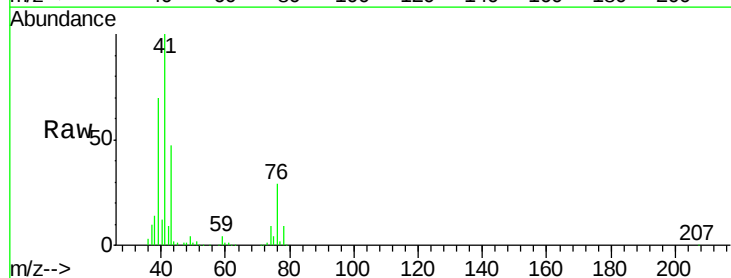
Manual Integrations
APPROVED

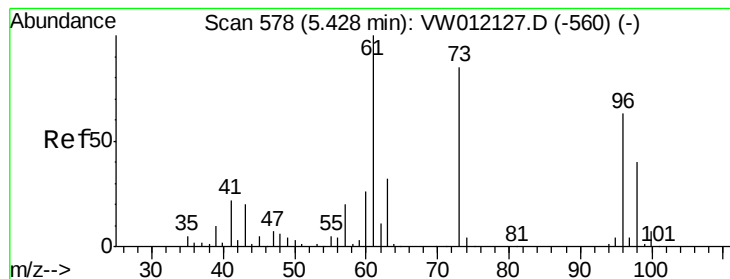
MMDadoda
9/3/2019 10:44:45 AM



#18
Methyl Acetate
Concen: 67.337 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.7	23.5





#19

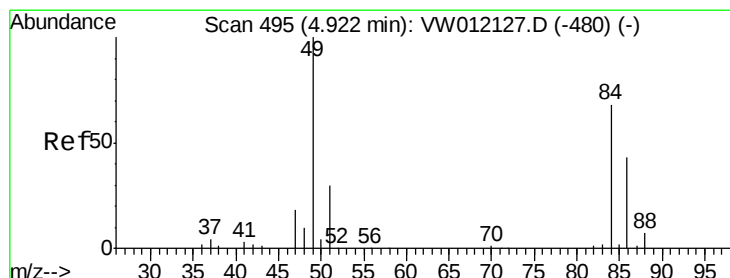
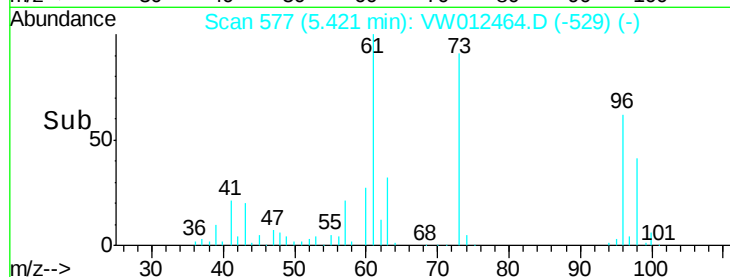
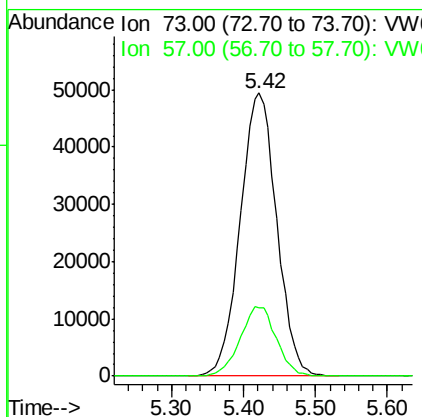
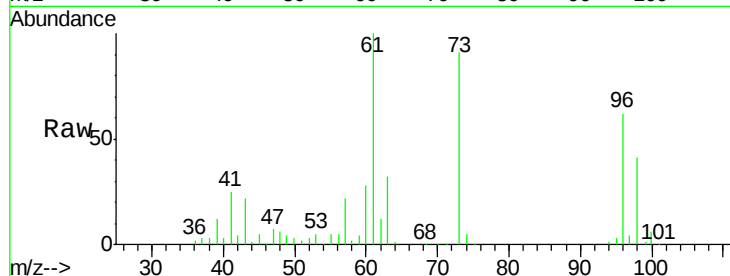
Methyl tert-butyl Ether
 Concen: 59.193 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	18.9	28.3

Manual Integrations
 APPROVED

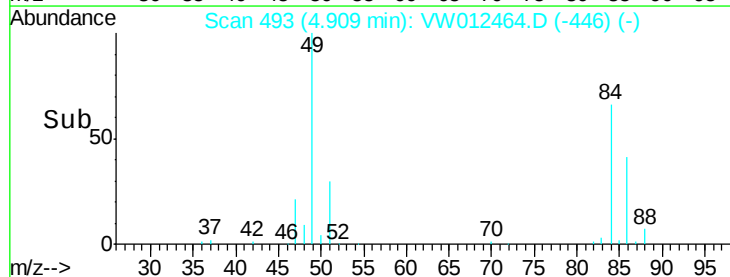
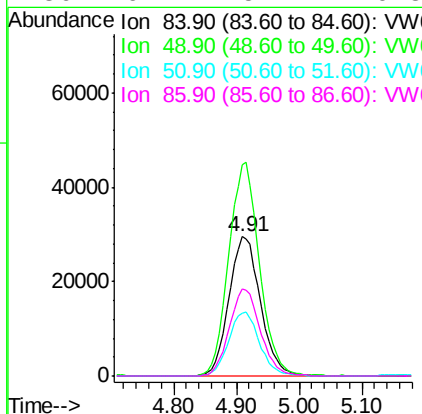
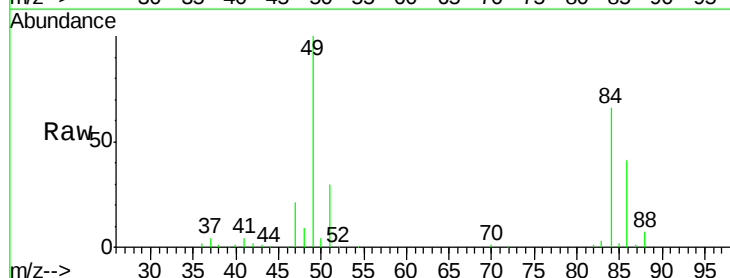
MMDadoda
 9/3/2019 10:44:45 AM

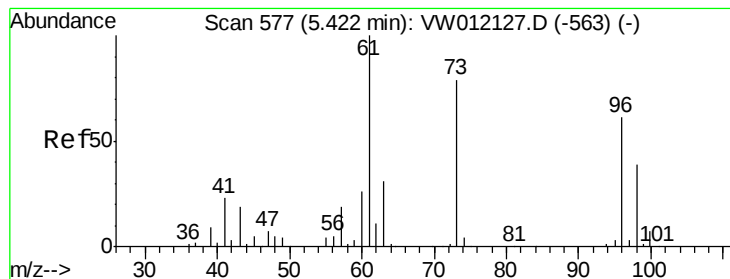


#20

Methylene Chloride
 Concen: 49.331 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.7	117.8	176.8
51	45.2	35.6	53.4
86	62.4	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 51.399 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 100052

Ion Ratio Lower Upper

96 100

61 162.2 131.4 197.0

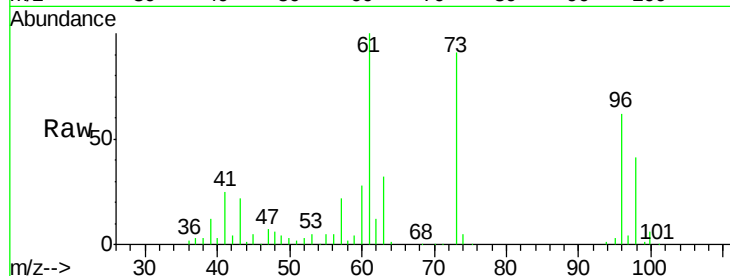
98 66.8 51.4 77.0

Manual Integrations

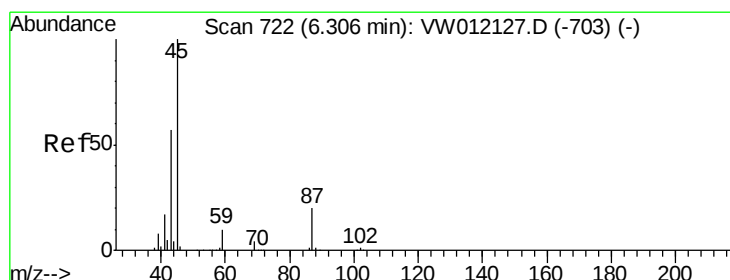
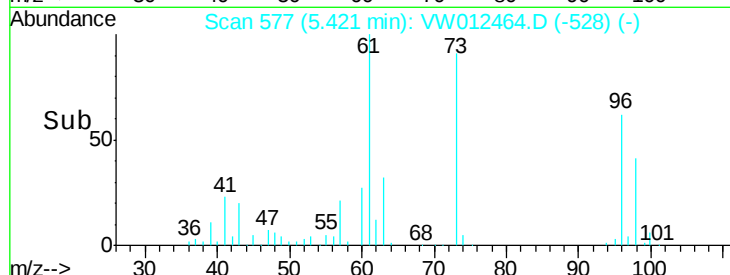
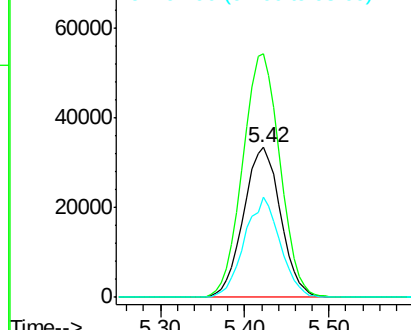
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MMDadoda

9/3/2019 10:44:45 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: 53.568 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Tgt Ion: 45 Resp: 385328

Ion Ratio Lower Upper

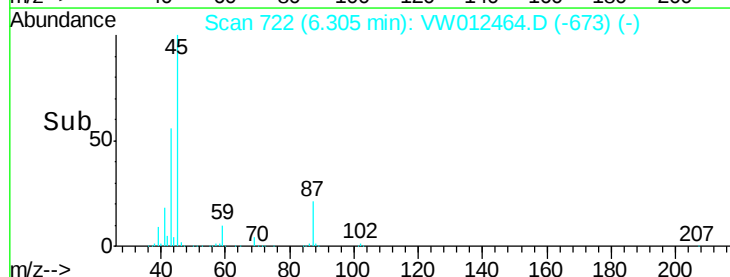
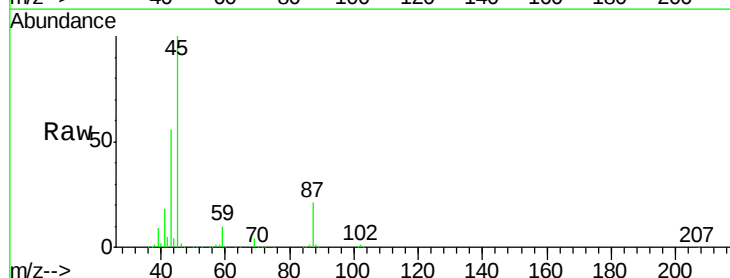
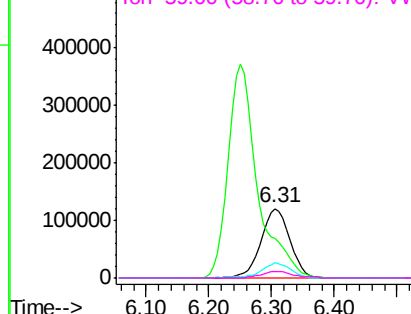
45 100

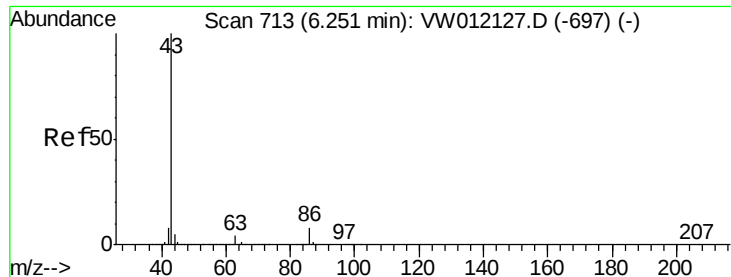
43 56.4 45.5 68.3

87 21.2 16.1 24.1

59 10.1 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: 274.082 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1213316

Ion Ratio Lower Upper

43 100

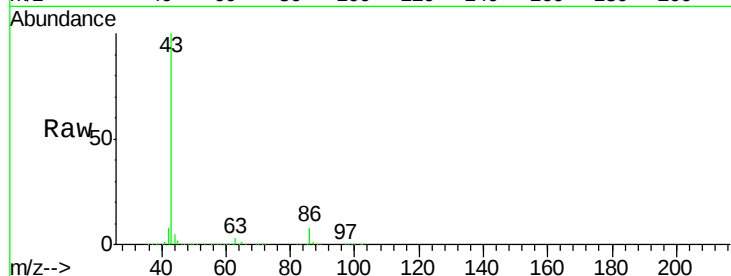
86 8.0 6.5 9.7

Manual Integrations

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MMDadoda

9/3/2019 10:44:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

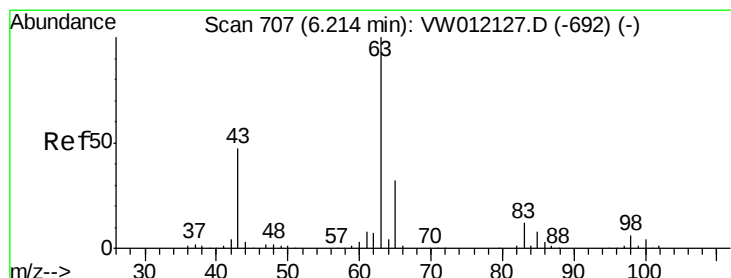
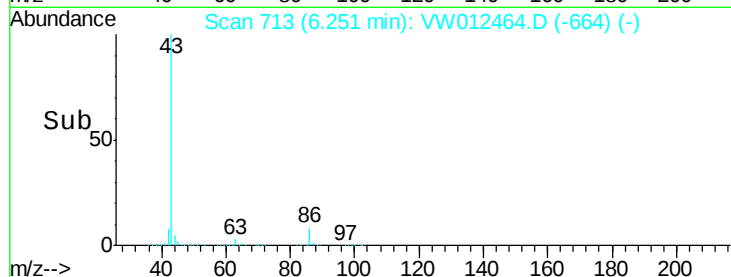
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.061 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

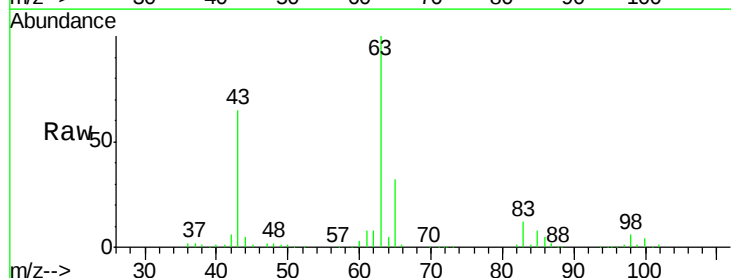
Tgt Ion: 63 Resp: 203902

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.4 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

80000

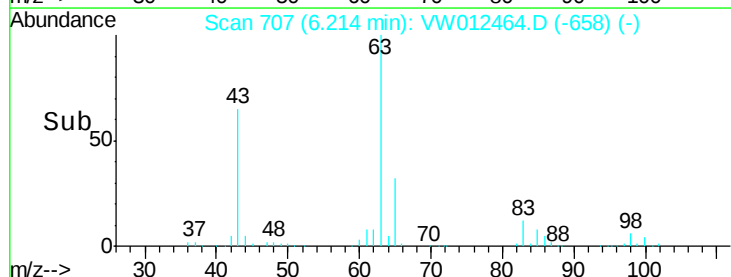
60000

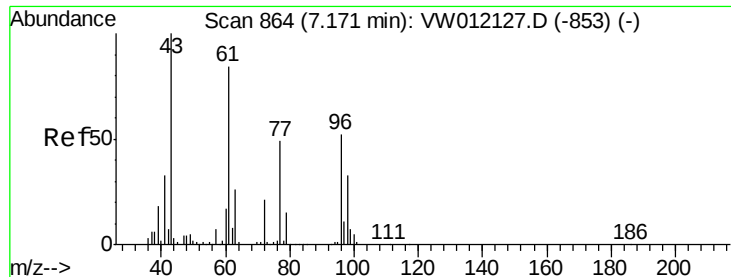
40000

20000

0

Time-->





#25

2-Butanone

Concen: 294.737 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 220251

Ion Ratio Lower Upper

43 100

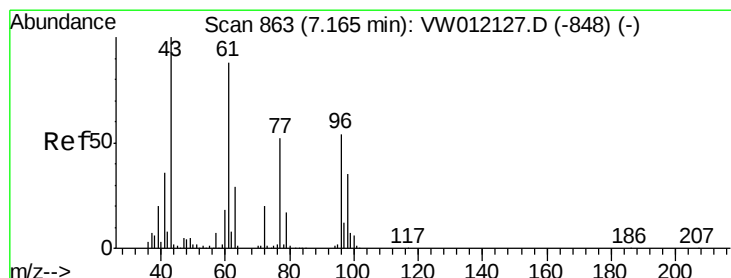
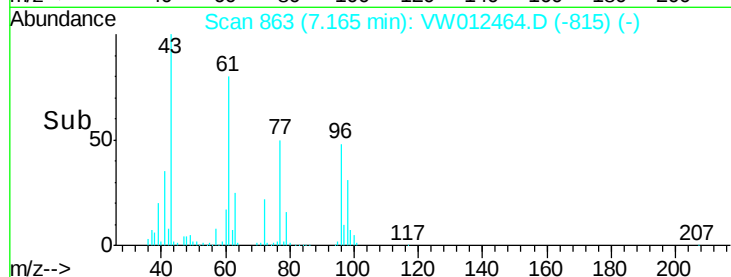
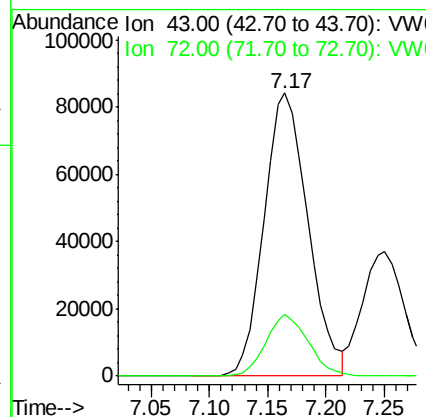
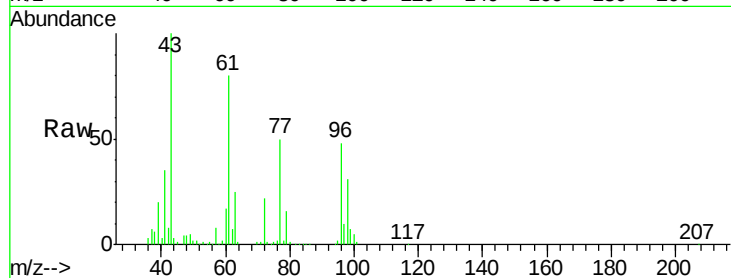
72 22.1 16.6 24.8

Manual Integrations

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9/3/2019 10:44:45 AM



#26

2,2-Dichloropropane

Concen: 53.906 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012464.D

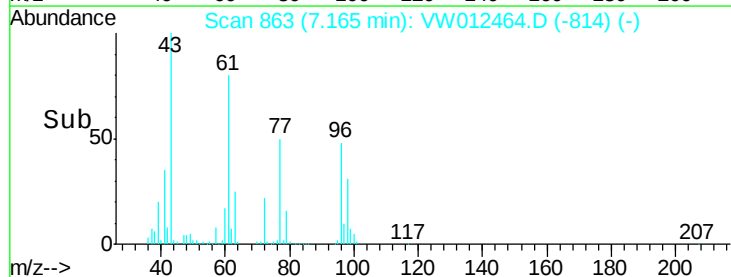
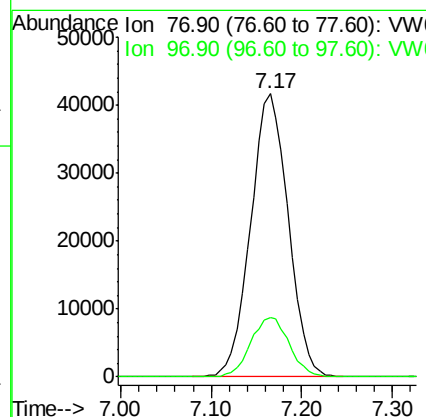
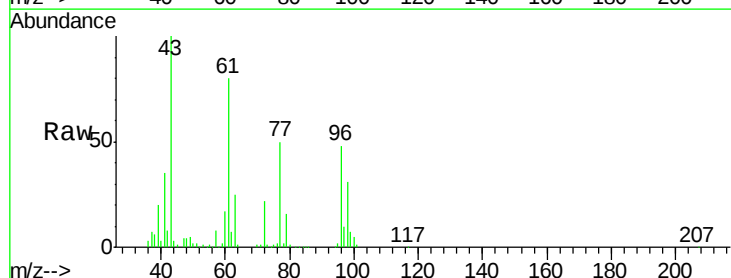
Acq: 01 Sep 2019 22:57

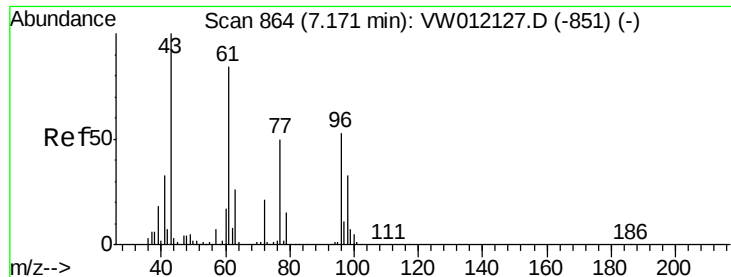
Tgt Ion: 77 Resp: 119500

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.1





#27

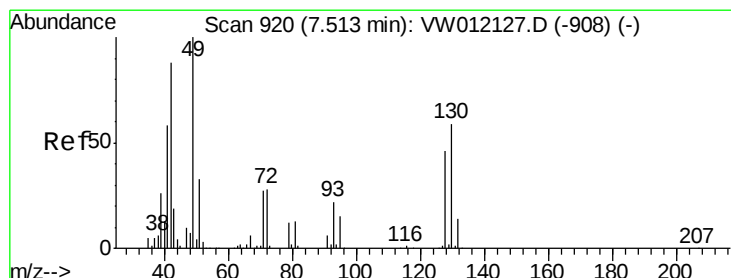
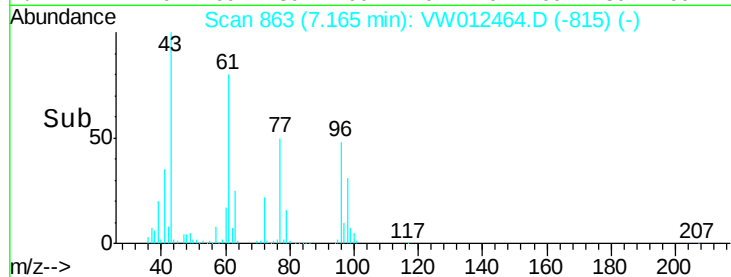
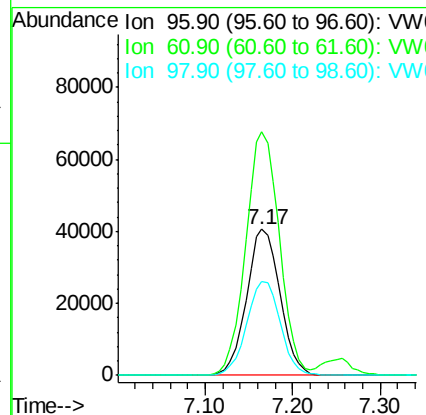
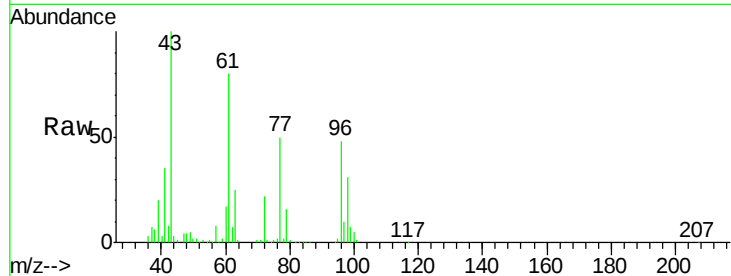
cis-1,2-Dichloroethene
 Concen: 51.934 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.3	0.0	326.6
98	64.3	0.0	127.4

Manual Integrations
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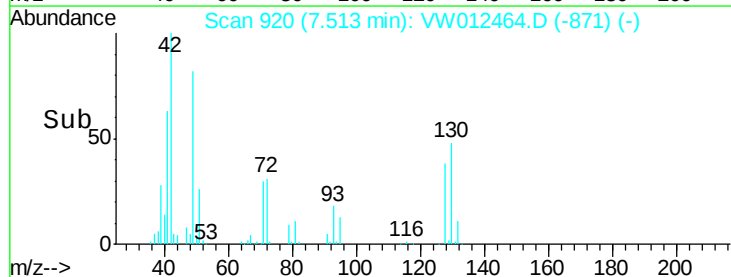
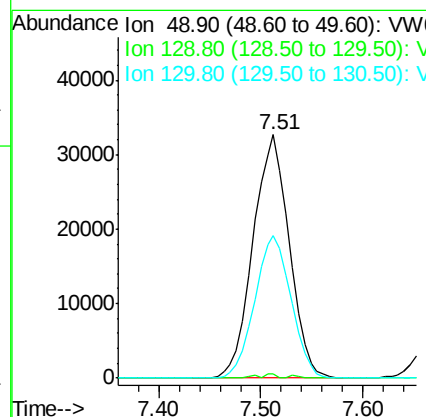
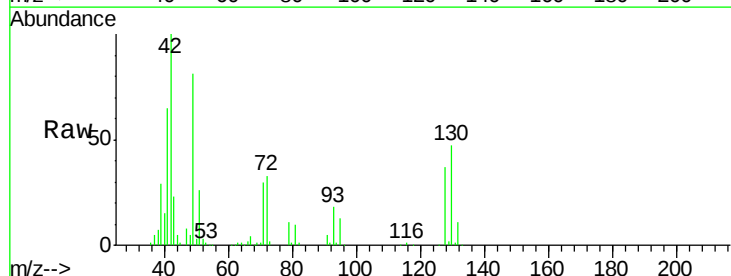
MMDadoda
 9/3/2019 10:44:45 AM

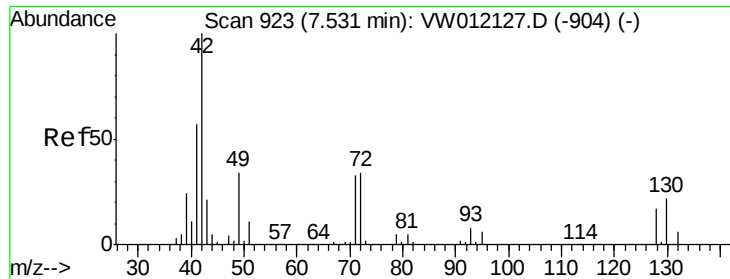


#28

Bromochloromethane
 Concen: 47.284 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.4
130	58.7	45.5	68.3





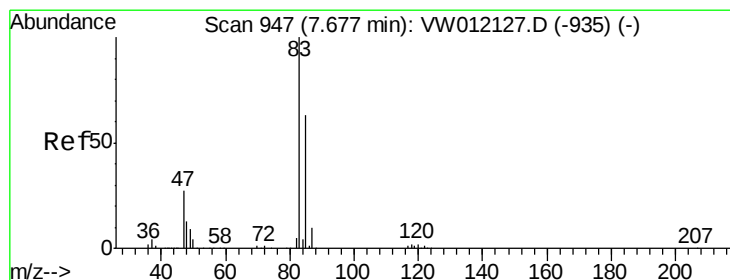
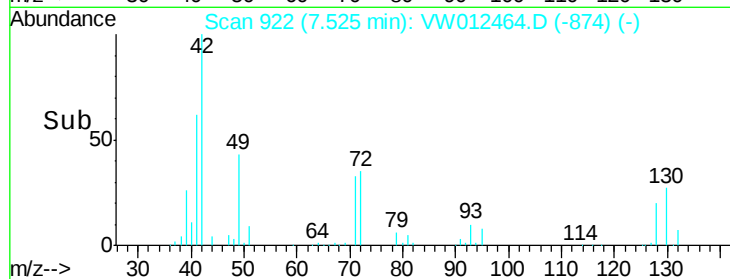
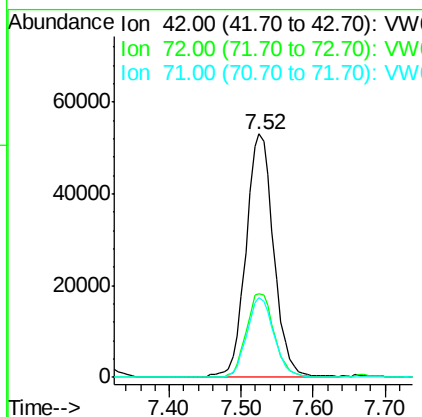
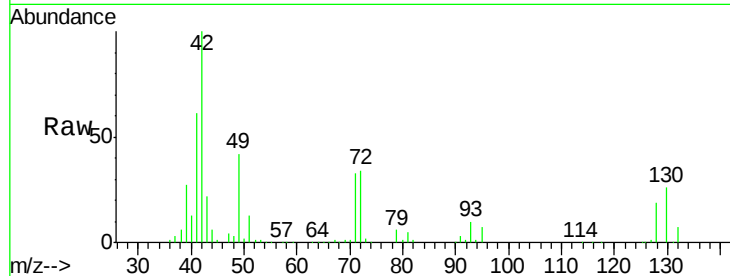
#29
Tetrahydrofuran
Concen: 314.909 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.3	40.9
71	32.3	25.5	38.3

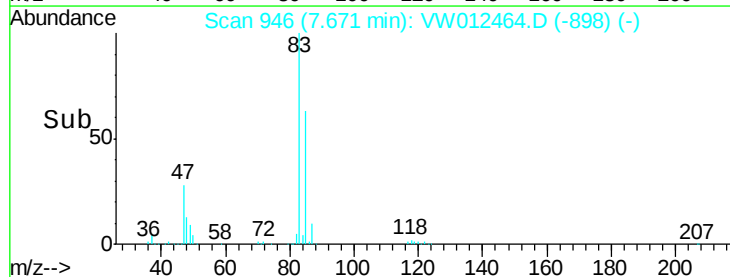
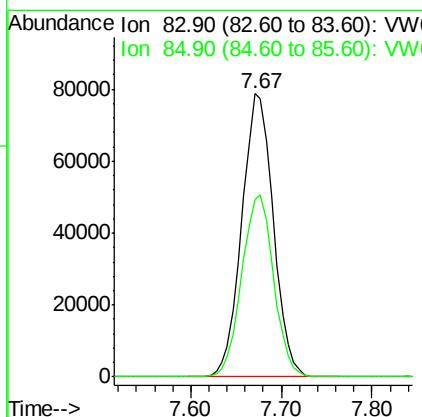
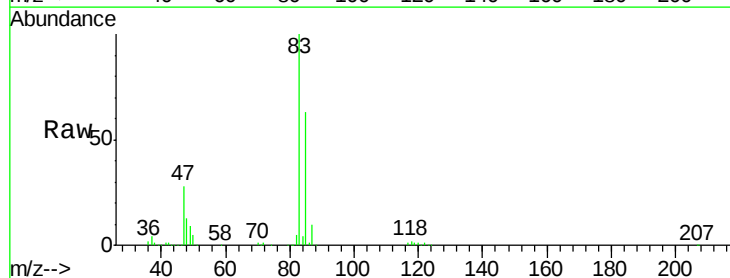
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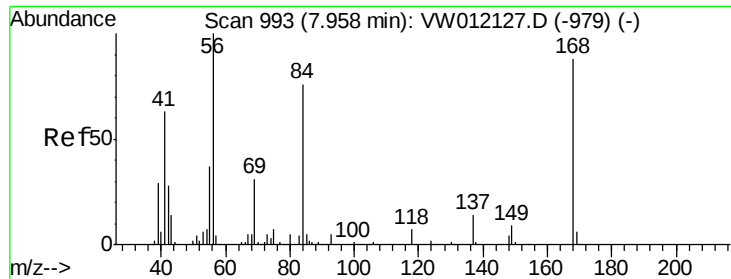
MMDadoda
9/3/2019 10:44:45 AM



#30
Chloroform
Concen: 52.957 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.6	76.0





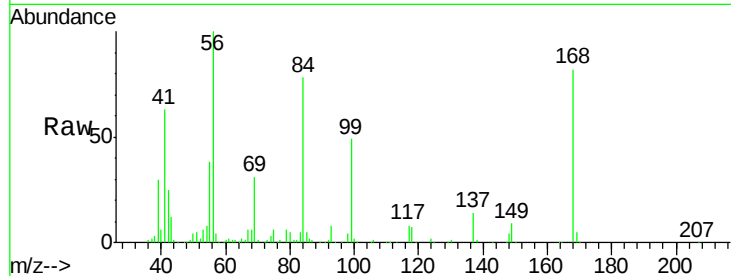
#31
Cvclohexane
Concen: 49.068 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

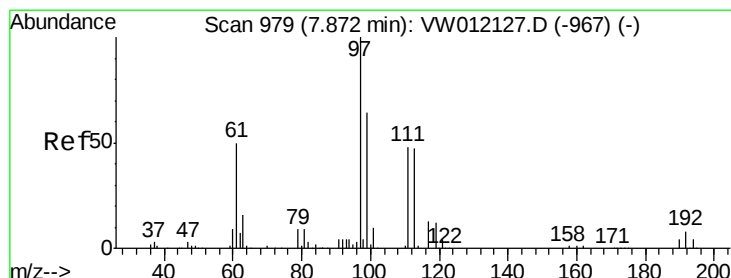
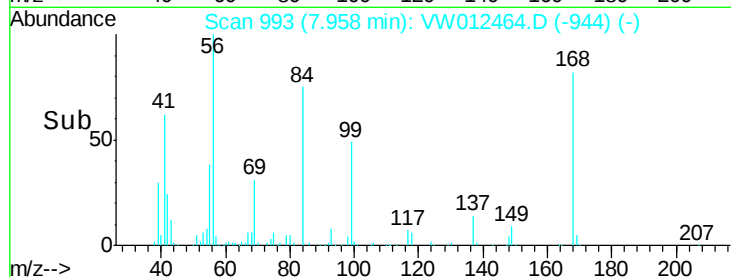
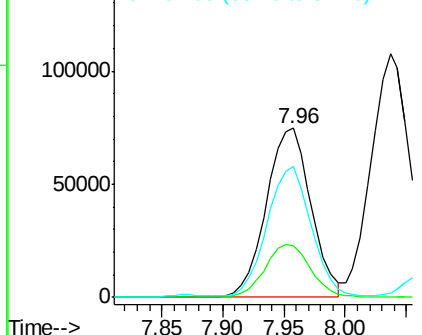
Tot Ion:	56	Resp:	190137
Ion Ratio		Lower	Upper
56	100		
69	30.6	24.9	37.3
84	76.3	60.6	90.8

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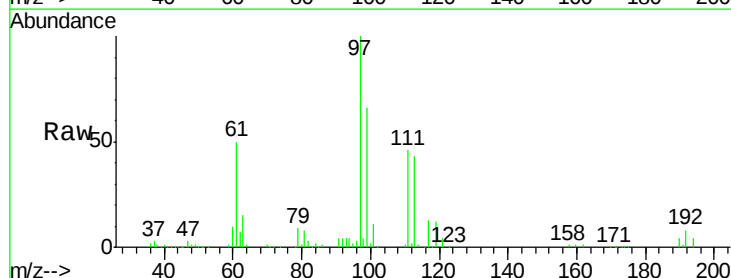


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

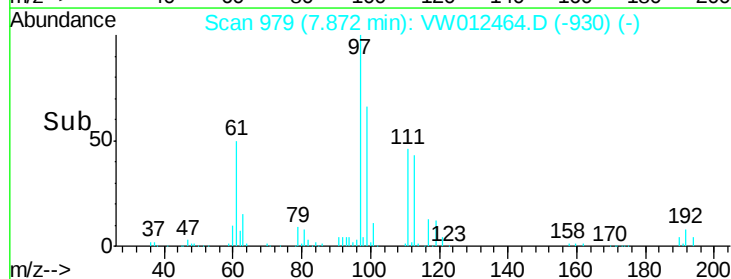
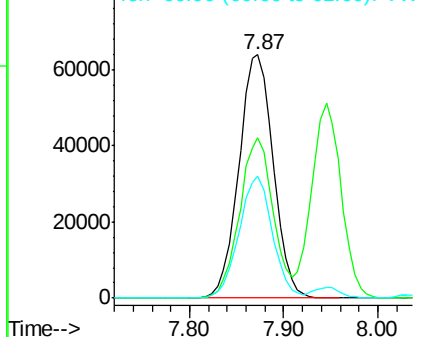


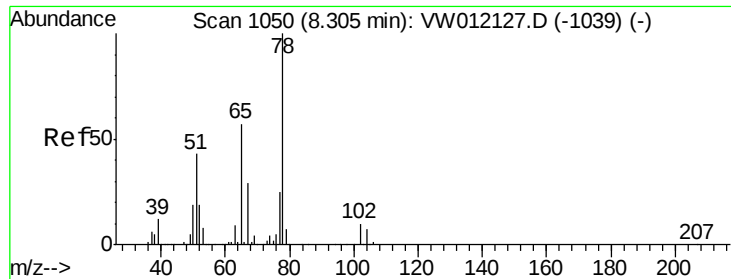
#32
1,1,1-Trichloroethane
Concen: 57.653 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion:	97	Resp:	163425
Ion Ratio		Lower	Upper
97	100		
99	64.4	51.4	77.0
61	48.8	39.5	59.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





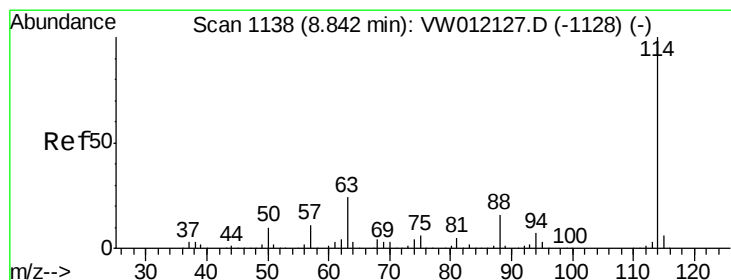
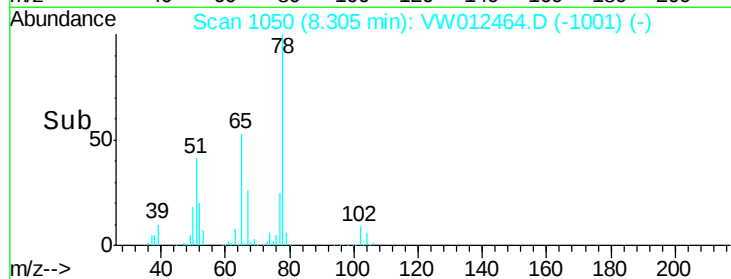
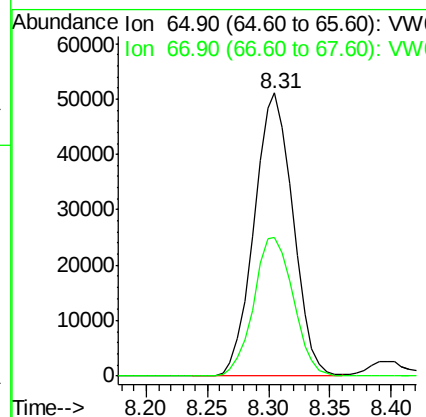
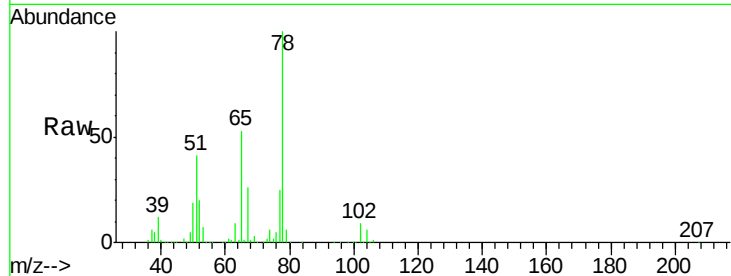
#33
 1,2-Dichloroethane-d4
 Concen: 52.349 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112620		
67	50.1	0.0	102.6	

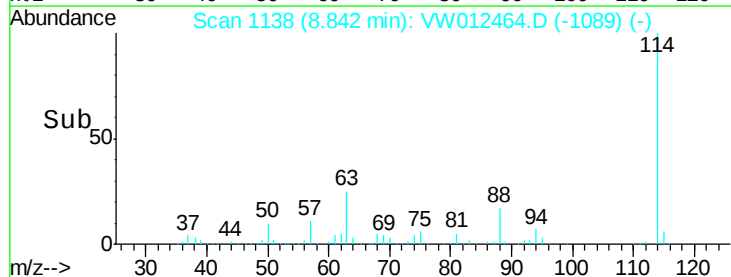
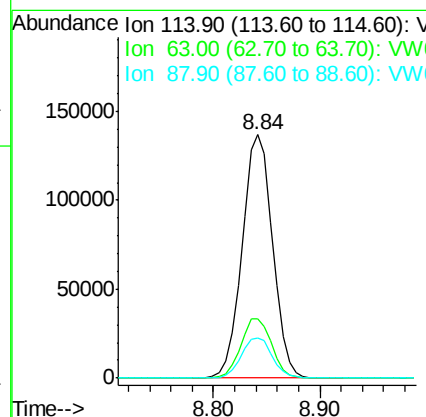
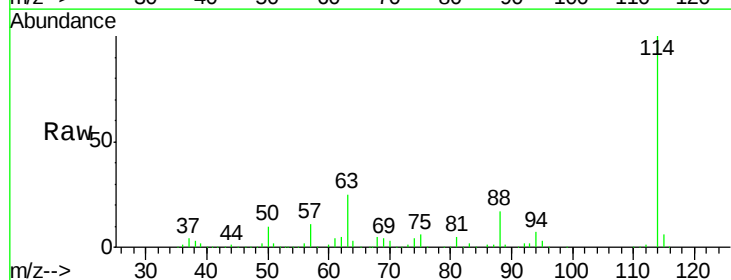
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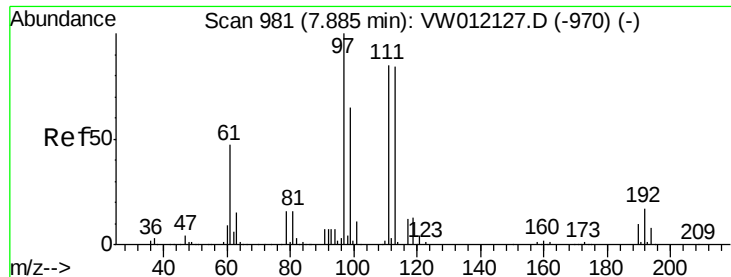
MMDadoda
 9/3/2019 10:44:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	274532		
63	24.6	0.0	48.6	
88	16.7	0.0	32.2	





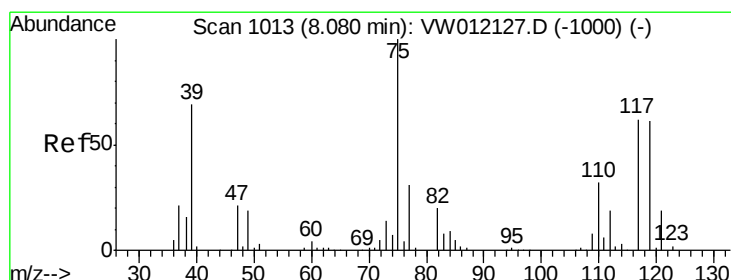
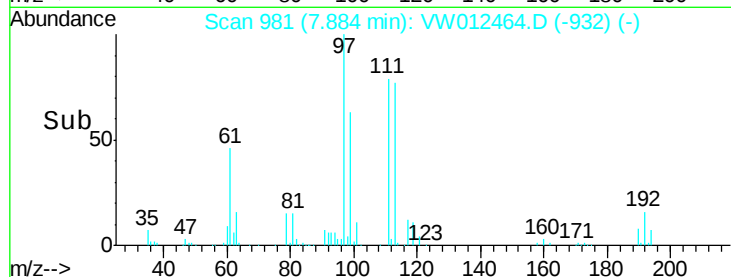
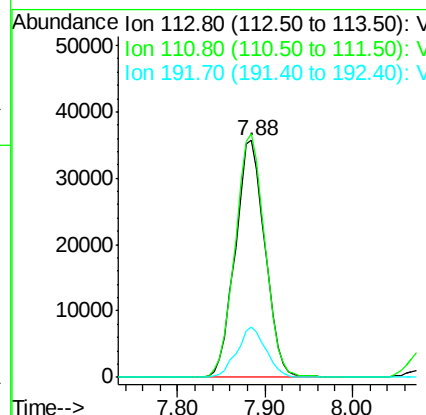
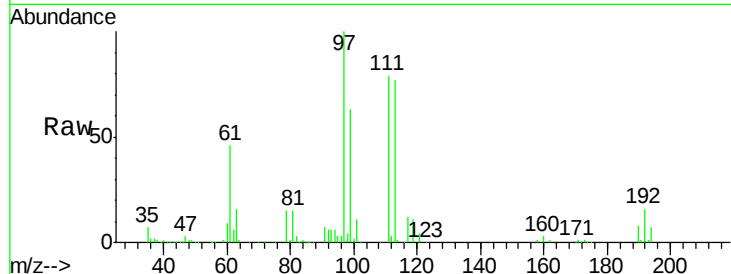
#35
 Dibromofluoromethane
 Concen: 51.532 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	84445		
111	103.1	82.7	124.1	
192	20.6	16.2	24.2	

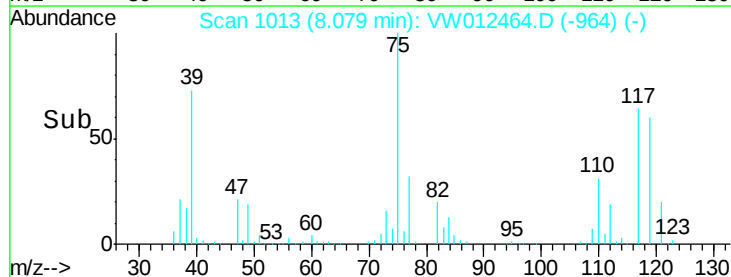
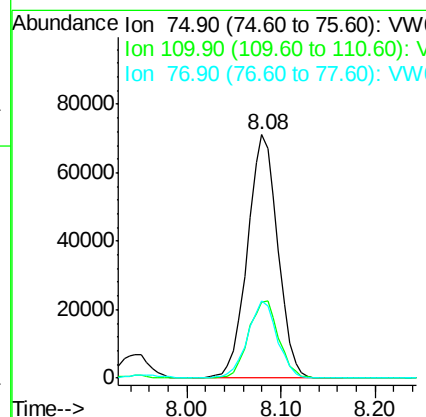
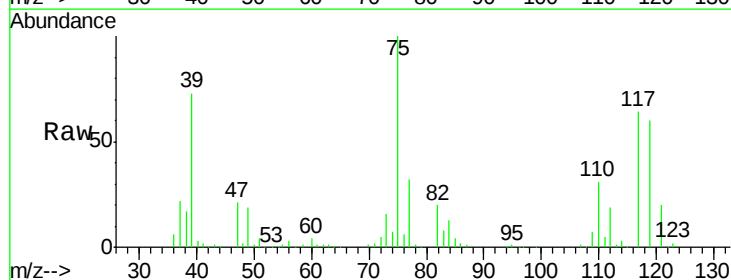
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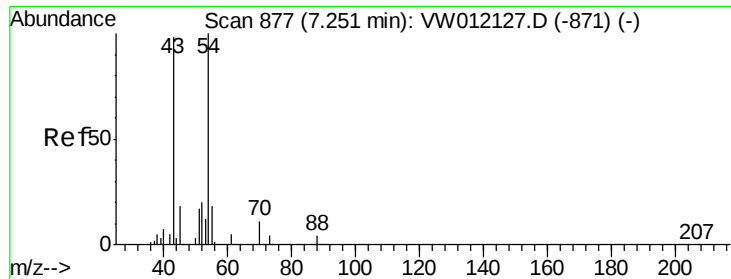
MMDadoda
 9/3/2019 10:44:45 AM



#36
 1,1-Dichloropropene
 Concen: 56.360 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	159891		
110	31.7	15.6	46.8	
77	31.4	24.6	36.8	





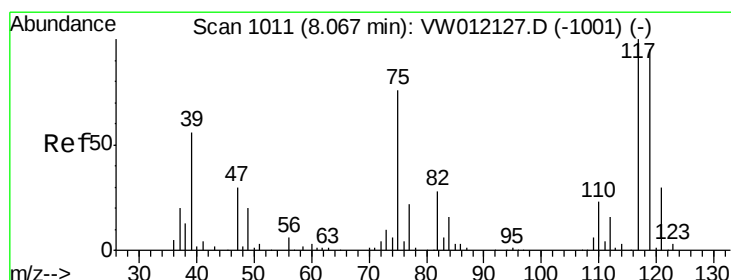
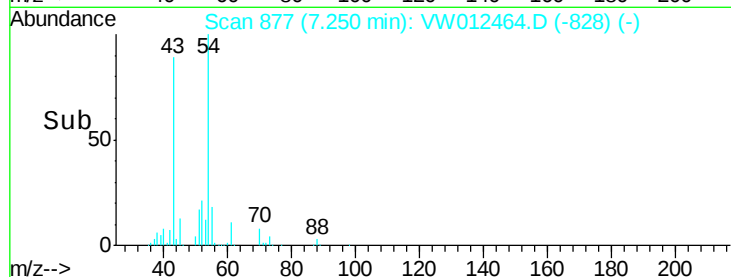
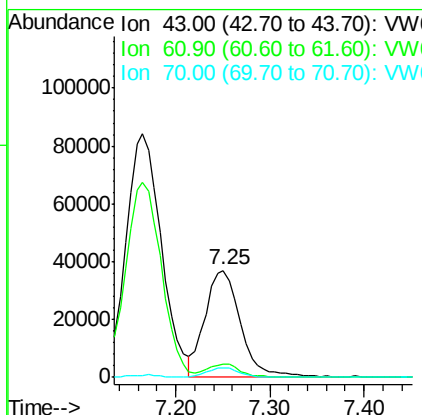
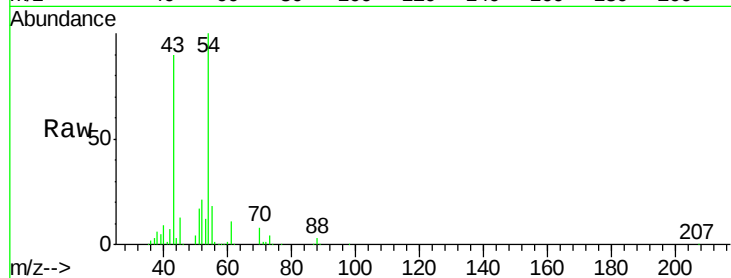
#37
Ethyl Acetate
Concen: 61.200 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.2	13.8
70	8.6	6.9	10.3

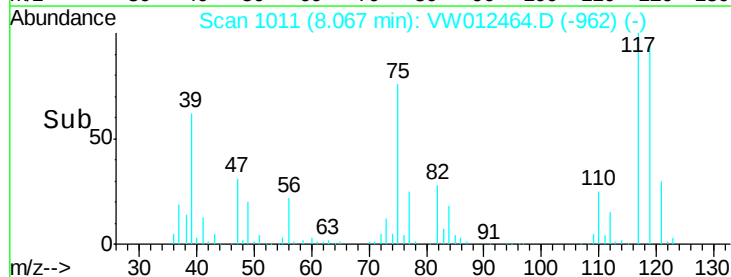
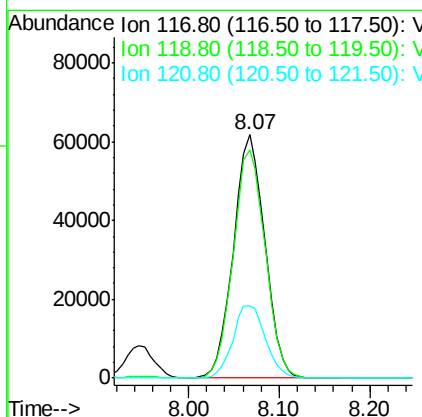
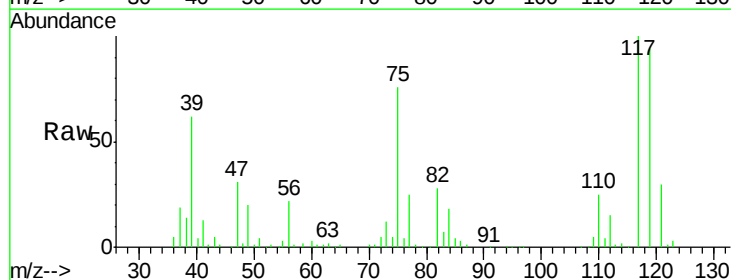
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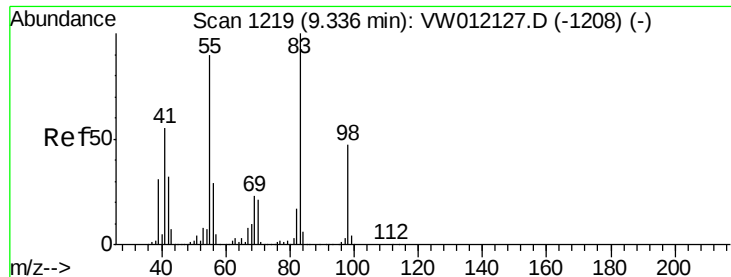
MMDadoda
9/3/2019 10:44:45 AM



#38
Carbon Tetrachloride
Concen: 60.457 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.2	114.2
121	29.8	23.8	35.8





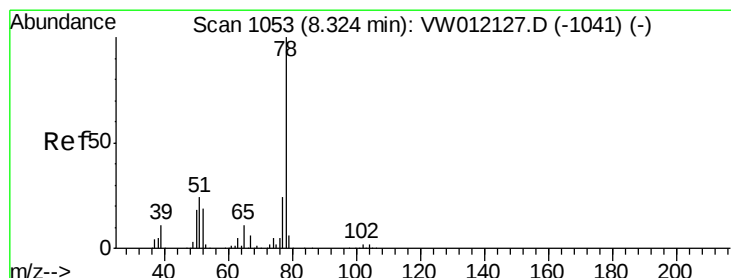
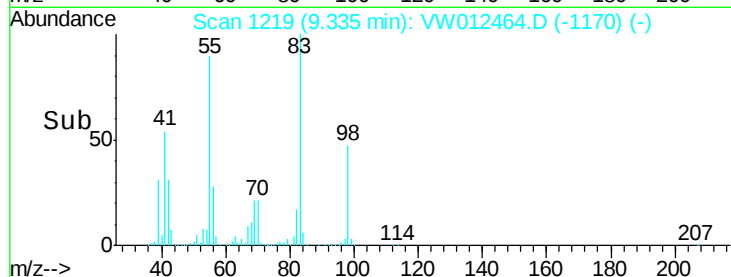
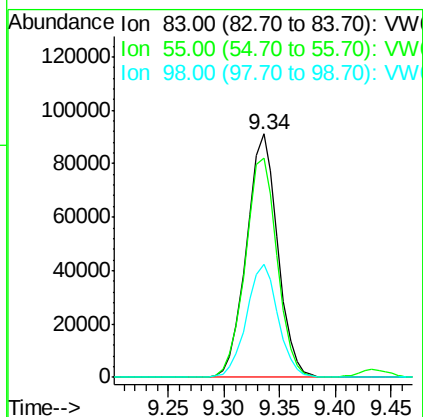
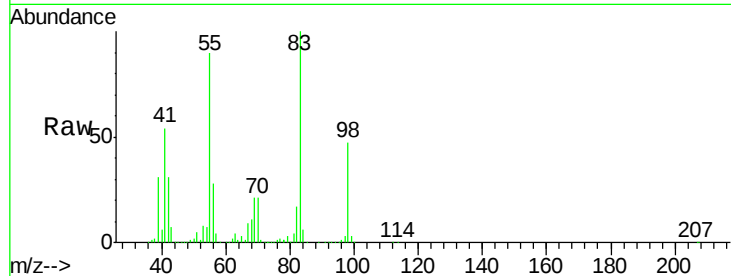
#39
Methvlcvclohexane
Concen: 55.890 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.3	71.8	107.8
98	46.6	37.8	56.8

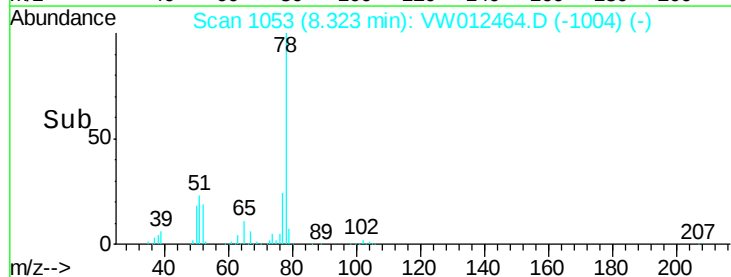
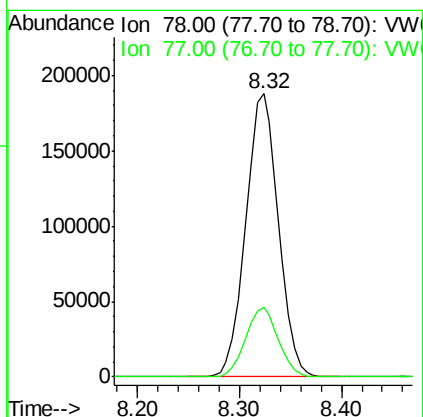
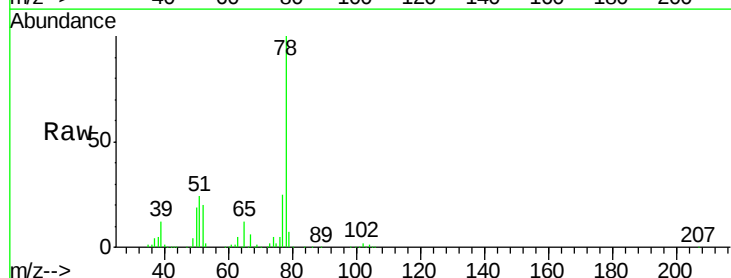
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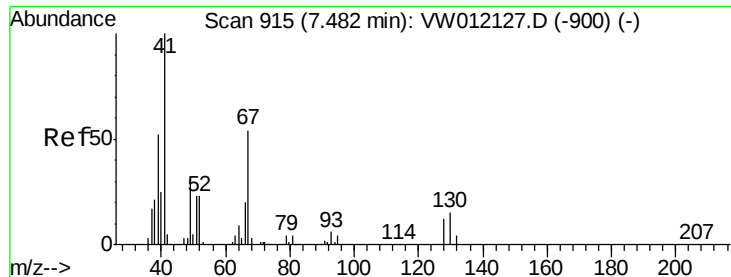
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#40
Benzene
Concen: 53.981 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





#41

Methacrylonitrile

Concen: 67.886 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

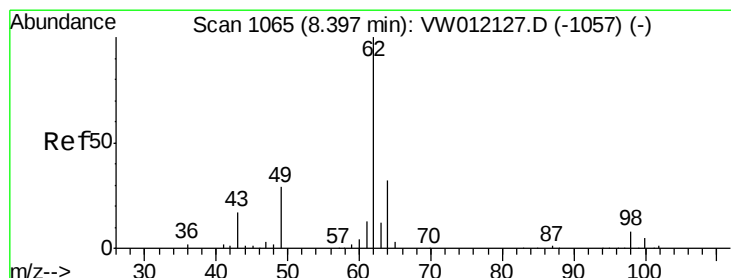
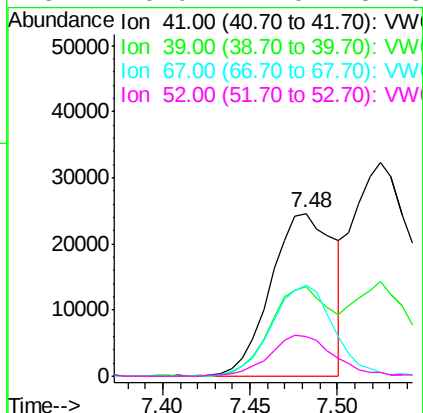
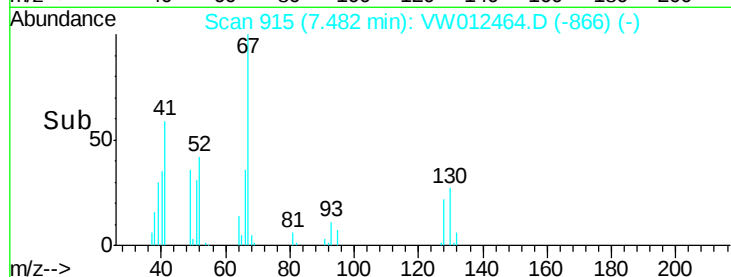
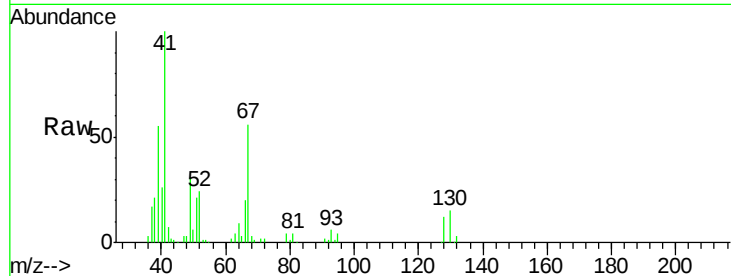
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	62028
Ion	Ratio	Lower	Upper
41	100		
39	52.5	45.8	68.8
67	55.6	46.2	69.4
52	26.0	21.0	31.6

Manual Integrations
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9/3/2019 10:44:45 AM



#42

1,2-Dichloroethane

Concen: 60.181 ug/l

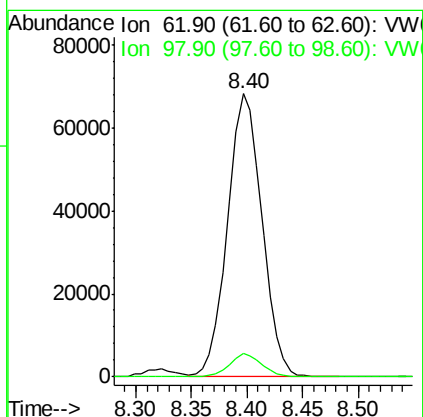
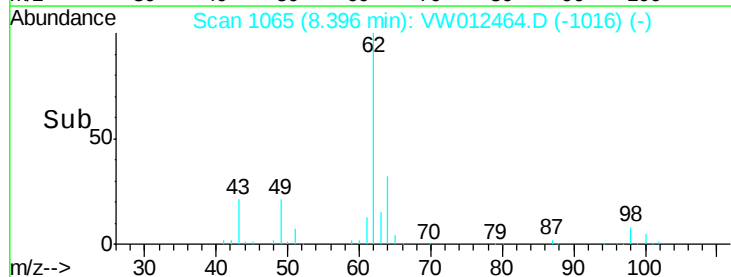
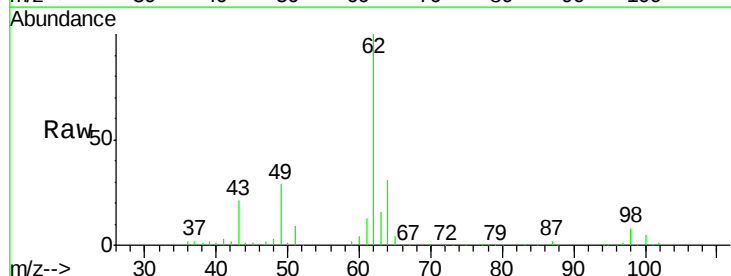
RT: 8.40 min Scan# 1065

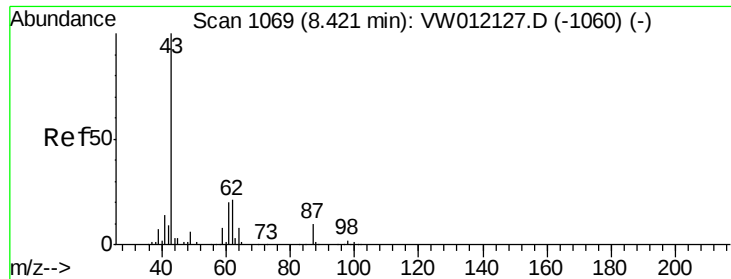
Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Tgt Ion	62	Resp	146110
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.6





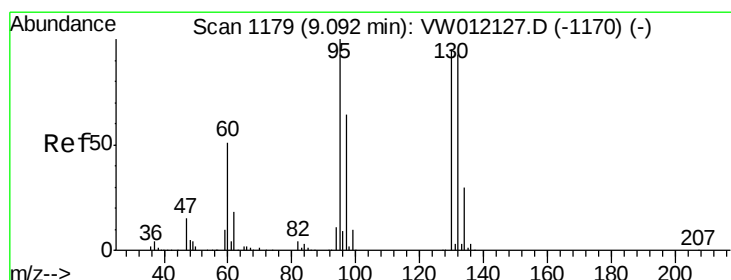
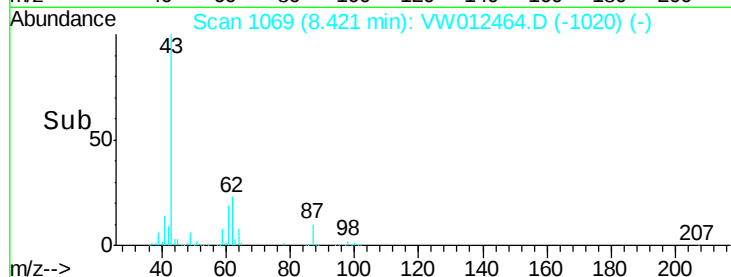
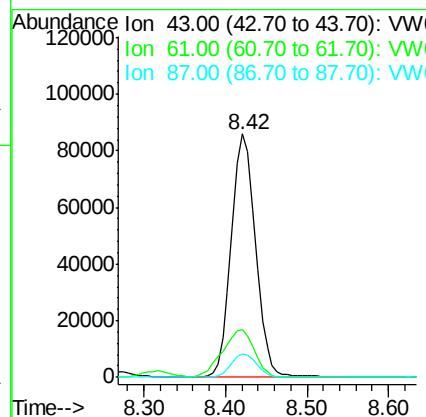
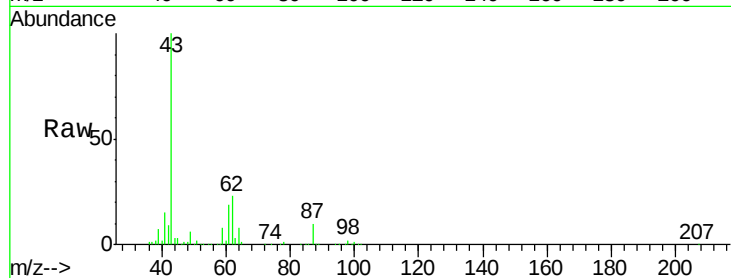
#43
Isopropyl Acetate
Concen: 61.307 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.1	31.7
87	10.0	8.2	12.2

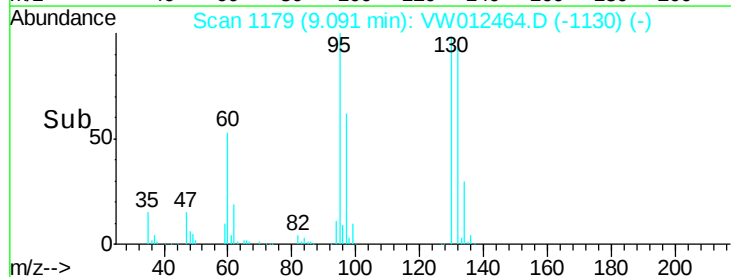
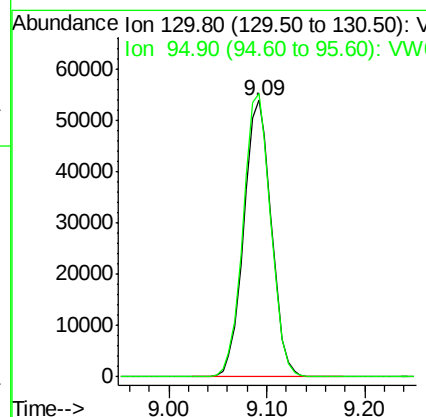
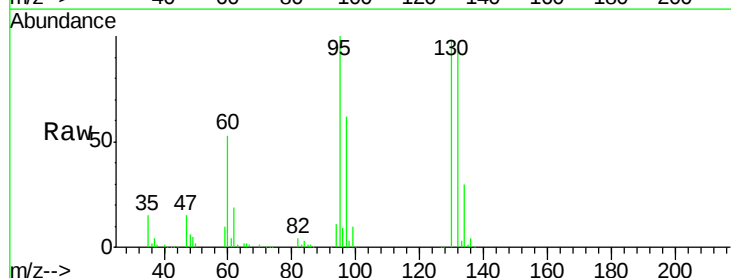
Manual Integrations
APPROVED

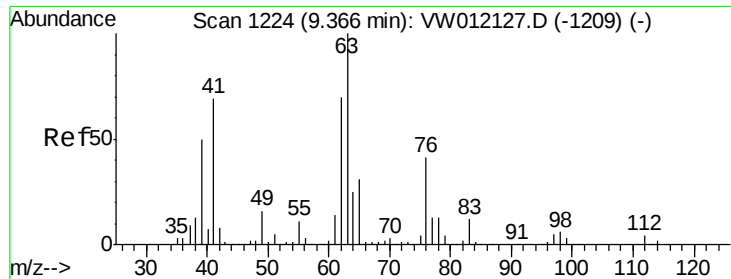
MMDadoda
9/3/2019 10:44:45 AM



#44
Trichloroethene
Concen: 55.902 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	210.6





#45

1,2-Dichloropropane

Concen: 54.293 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 113191

Ion Ratio Lower Upper

63 100

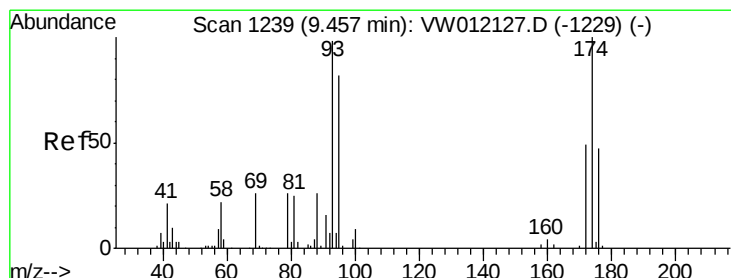
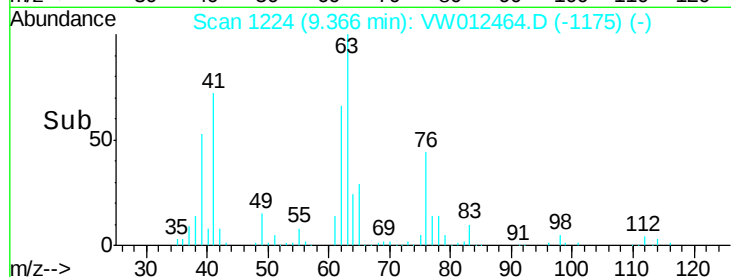
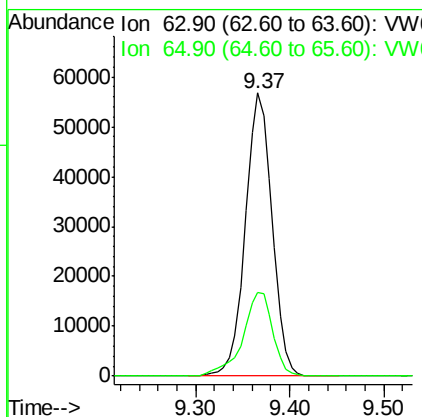
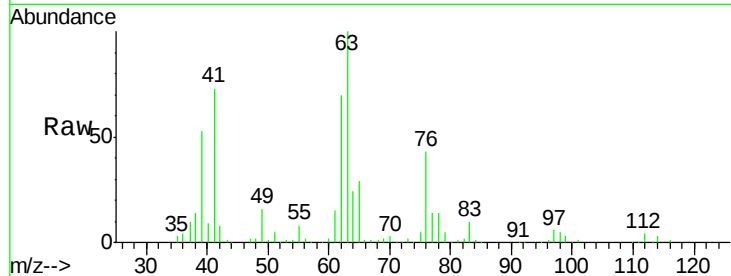
65 29.4 25.0 37.4

Manual Integrations

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MMDadoda

9/3/2019 10:44:45 AM



#46

Dibromomethane

Concen: 58.812 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

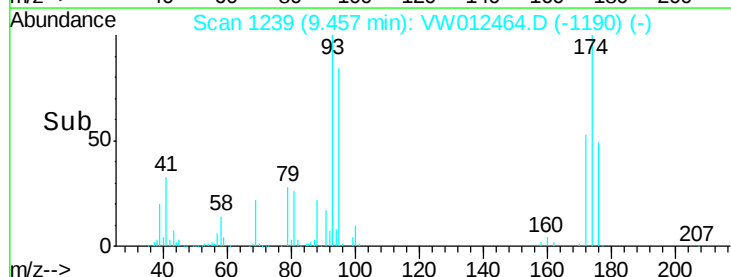
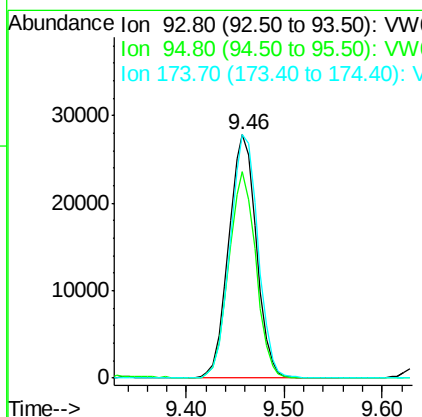
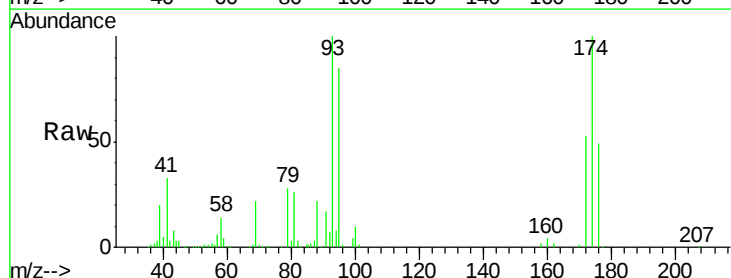
Tgt Ion: 93 Resp: 54554

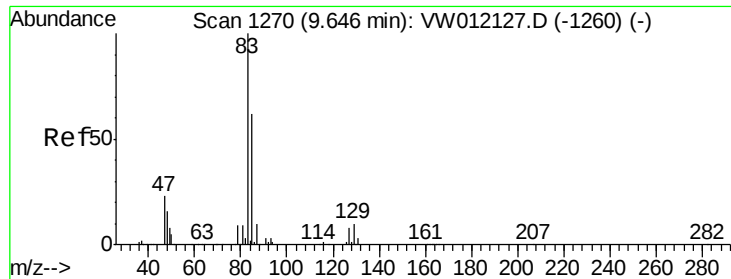
Ion Ratio Lower Upper

93 100

95 82.7 67.2 100.8

174 100.8 79.0 118.6





#47

Bromodichloromethane

Concen: 58.313 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

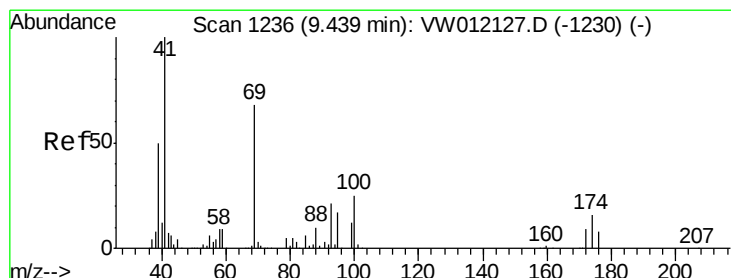
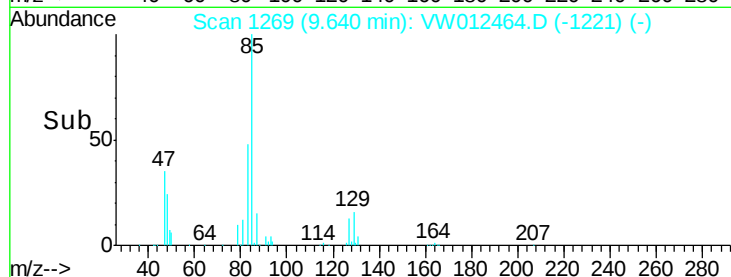
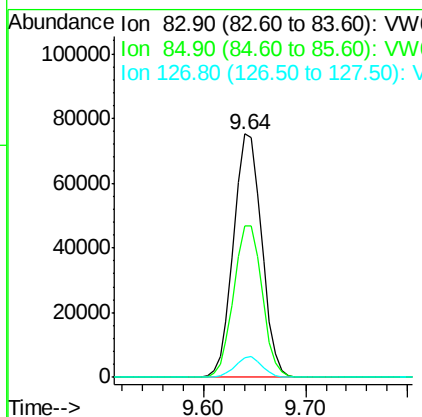
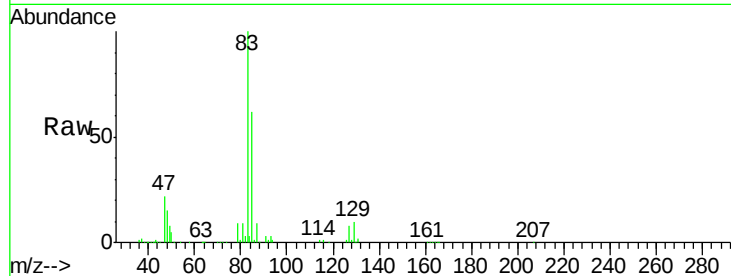
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	143961
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.4	74.2
127	8.1	6.1	9.1

Manual Integrations
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9/3/2019 10:44:45 AM



#48

Methyl methacrylate

Concen: 63.206 ug/l

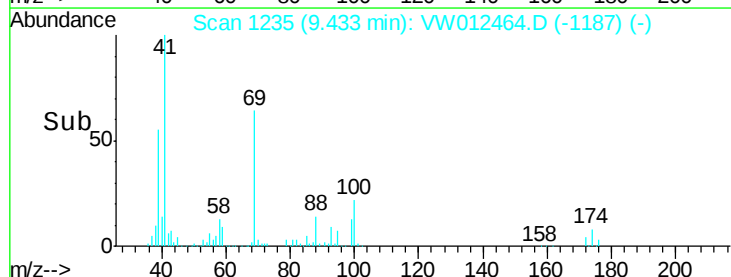
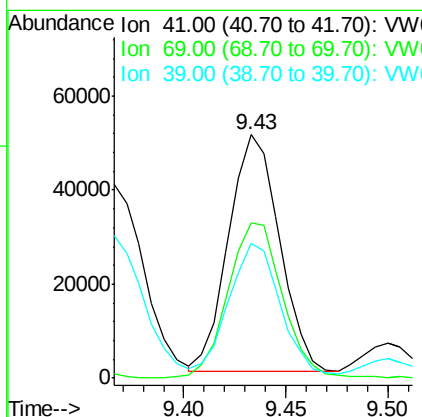
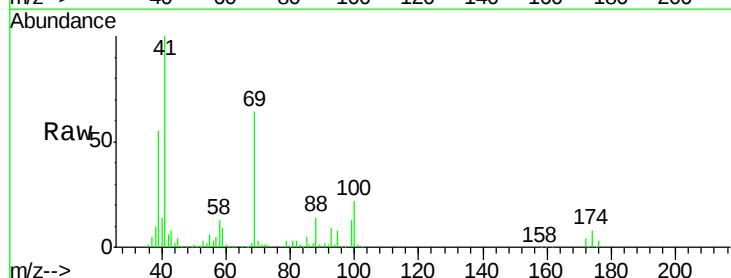
RT: 9.43 min Scan# 1235

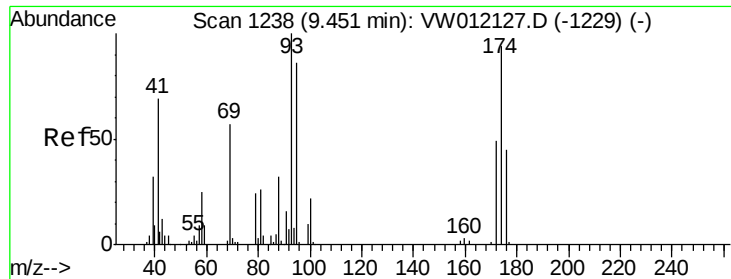
Delta R.T. -0.01 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Tgt Ion:	41	Resp:	86628
Ion	Ratio	Lower	Upper
41	100		
69	71.3	56.7	85.1
39	55.5	42.0	63.0





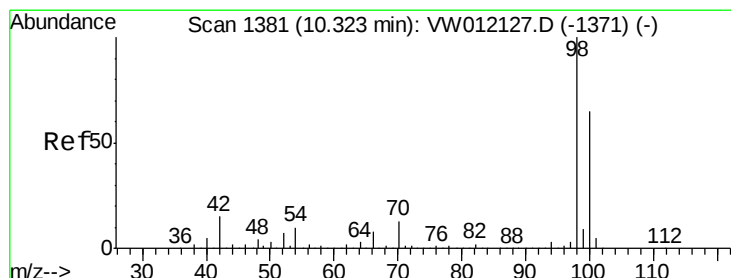
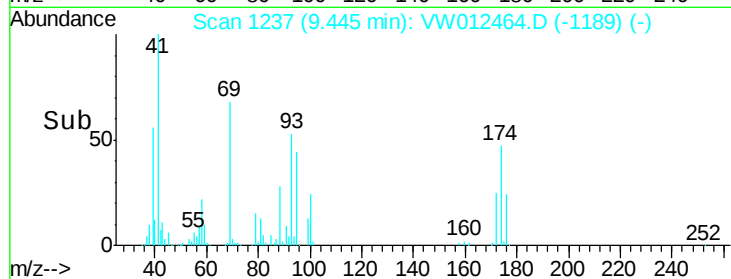
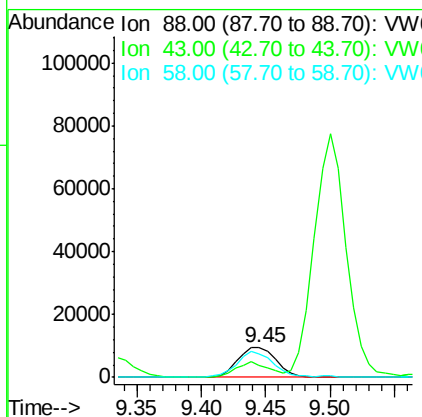
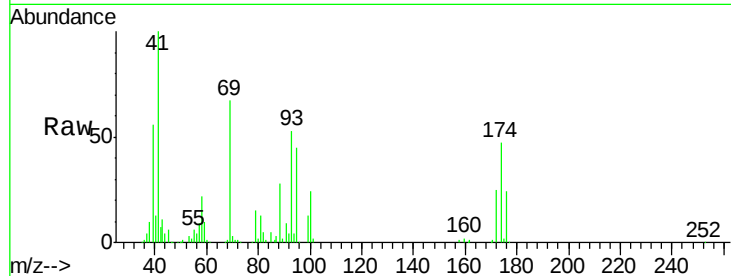
#49
 1,4-Dioxane
 Concen: 1405.652 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	19961
Ion	Ratio	Lower	Upper
88	100		
43	42.3	32.9	49.3
58	81.0	71.0	106.4

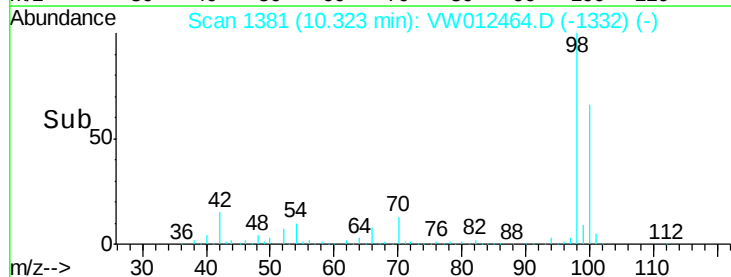
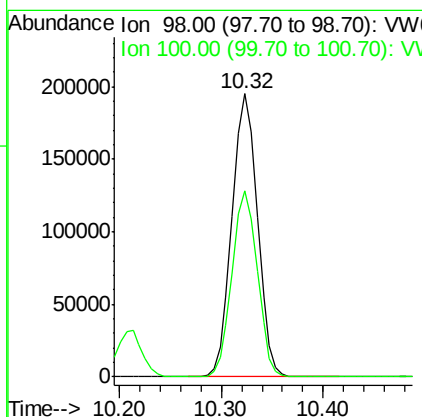
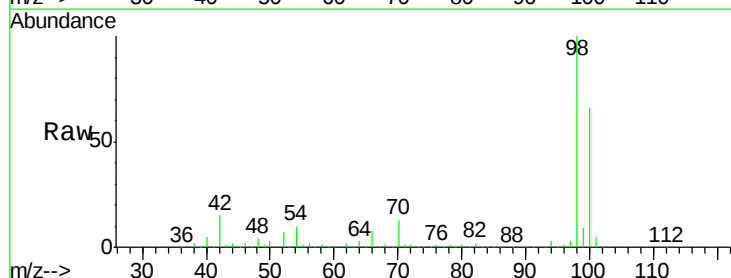
Manual Integrations
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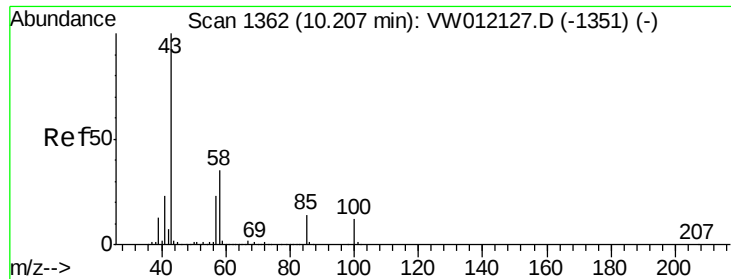
MMDadoda
 9/3/2019 10:44:45 AM



#50
 Toluene-d8
 Concen: 50.722 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	98	Resp	337015
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 325.100 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 476166

Ion Ratio Lower Upper

43 100

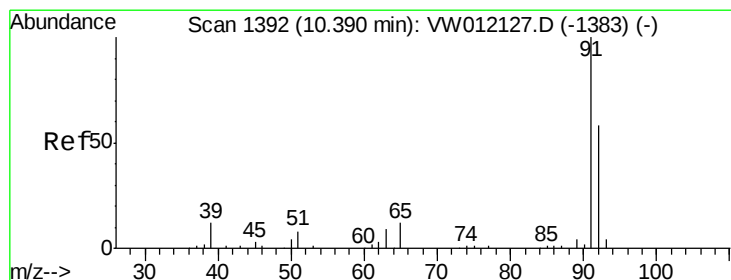
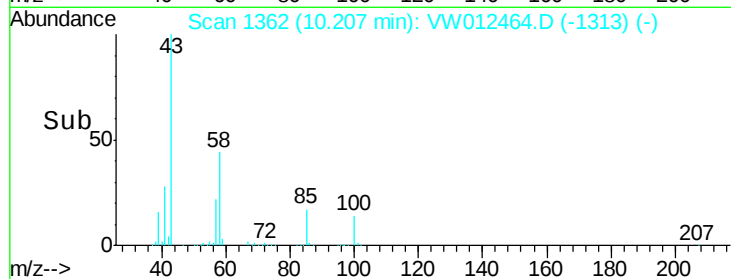
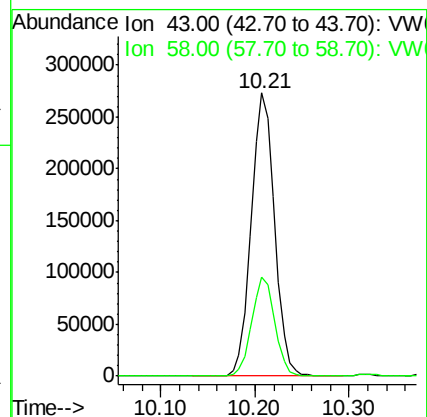
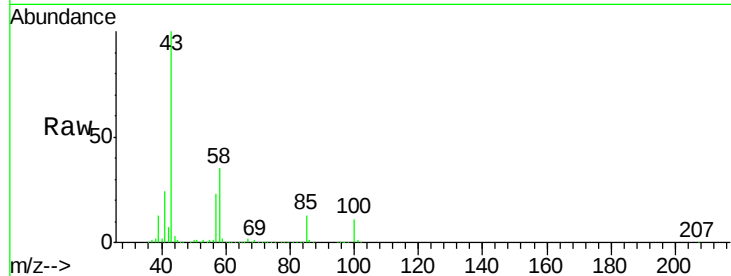
58 34.7 28.2 42.2

Manual Integrations

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MMDadoda

9/3/2019 10:44:45 AM



#52

Toluene

Concen: 55.490 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012464.D

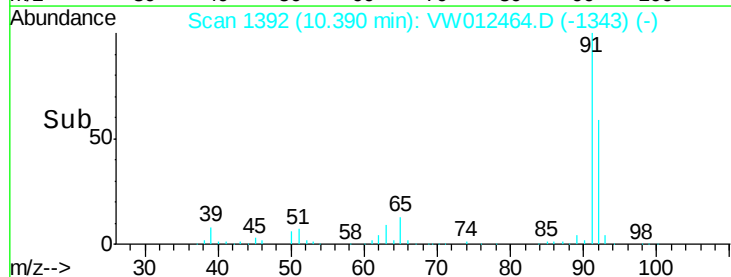
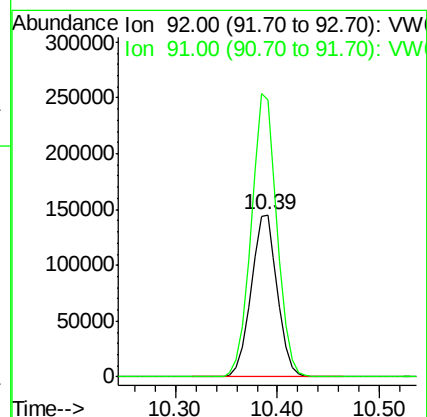
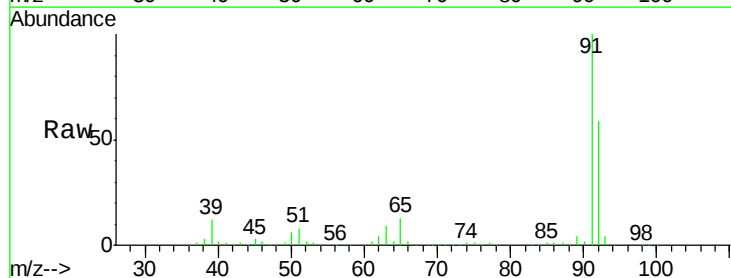
Acq: 01 Sep 2019 22:57

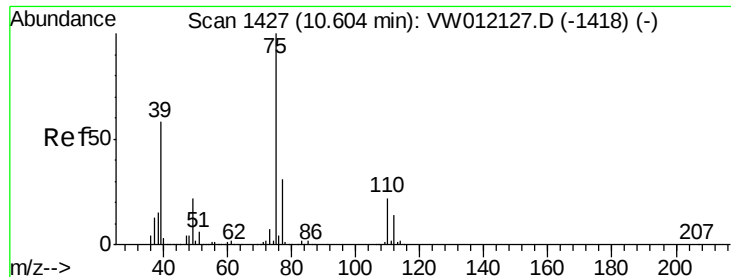
Tgt Ion: 92 Resp: 258234

Ion Ratio Lower Upper

92 100

91 171.8 136.6 204.8





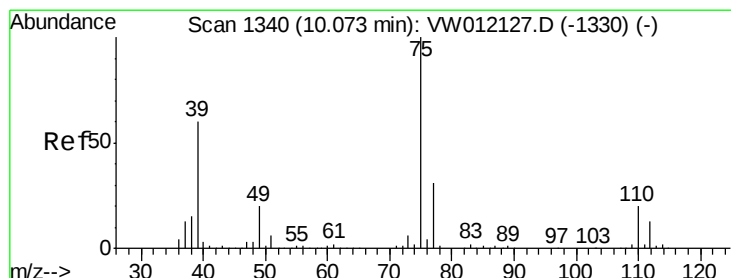
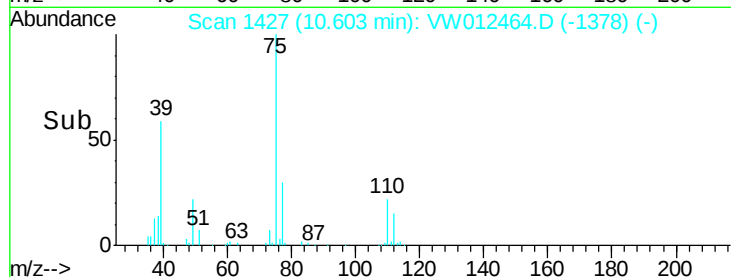
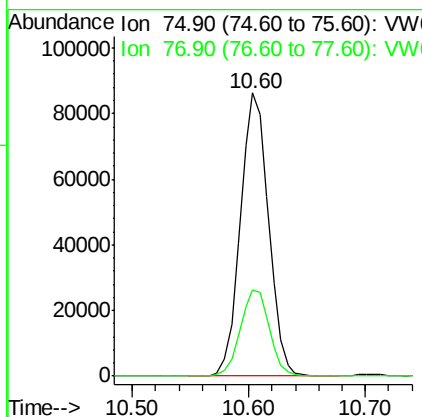
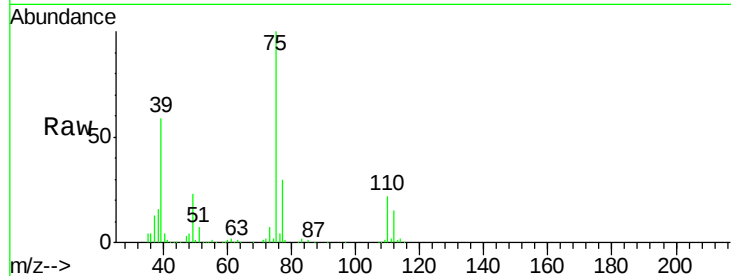
#53
t-1,3-Dichloropropene
Concen: 58.037 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 145947
Ion Ratio Lower Upper
75 100
77 30.3 25.0 37.4

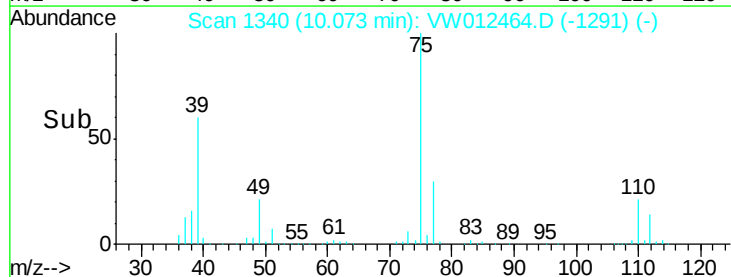
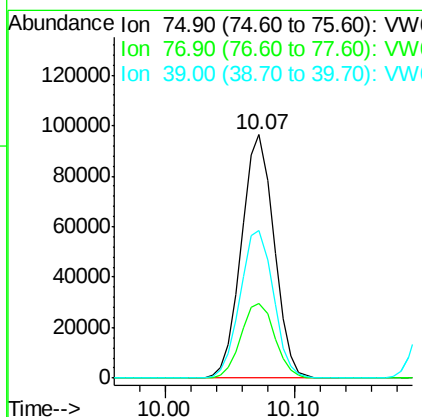
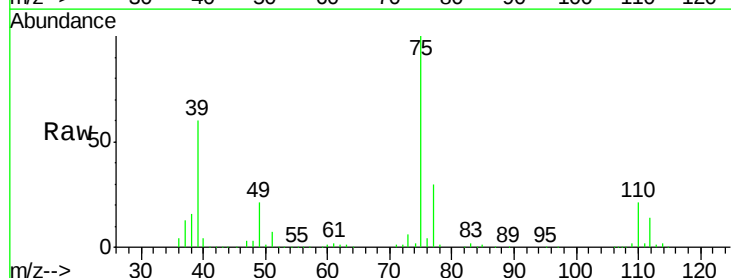
Manual Integrations
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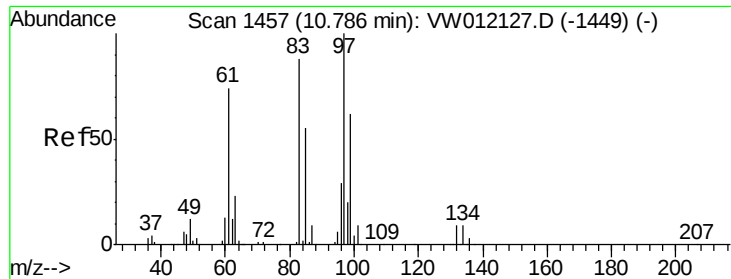
MMDadoda
9/3/2019 10:44:45 AM



#54
cis-1,3-Dichloropropene
Concen: 55.692 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion: 75 Resp: 169102
Ion Ratio Lower Upper
75 100
77 30.4 25.1 37.7
39 60.4 48.3 72.5





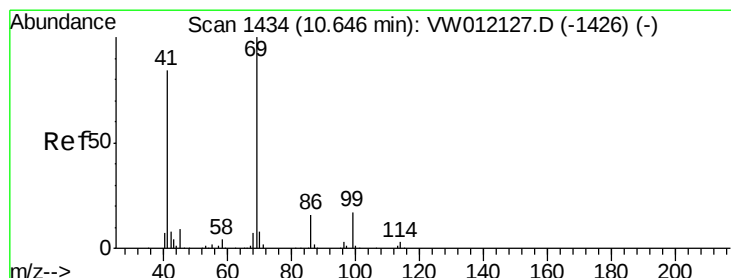
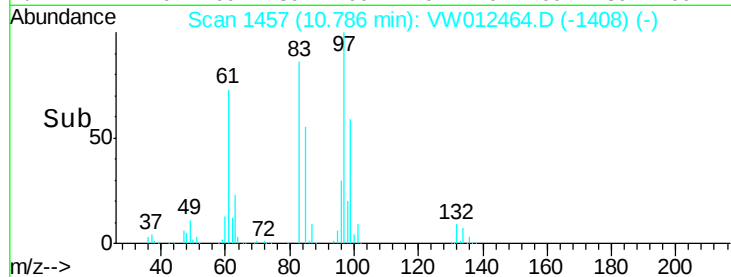
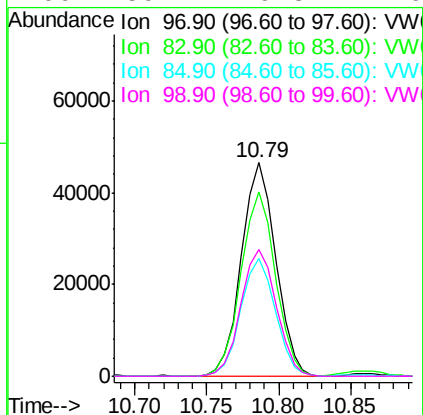
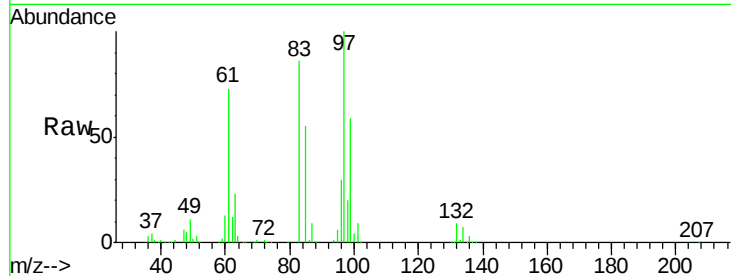
#55
 1,1,2-Trichloroethane
 Concen: 58.890 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	77289
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.8	106.2
85	55.2	43.8	65.8
99	59.1	49.8	74.6

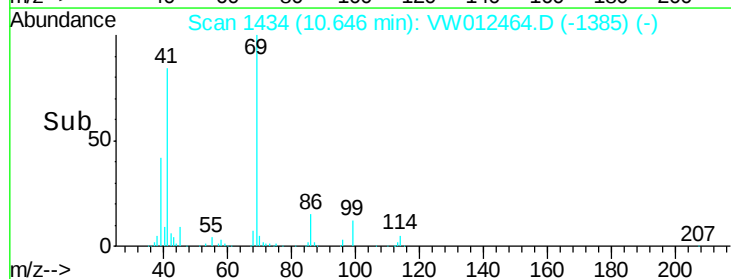
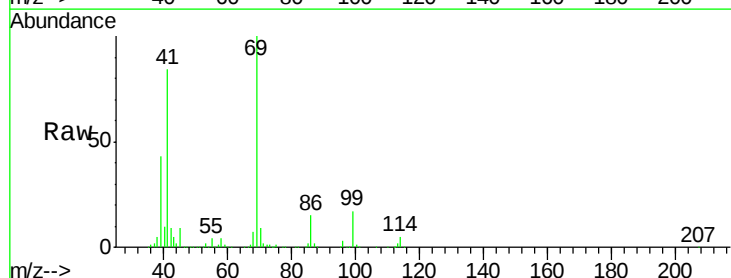
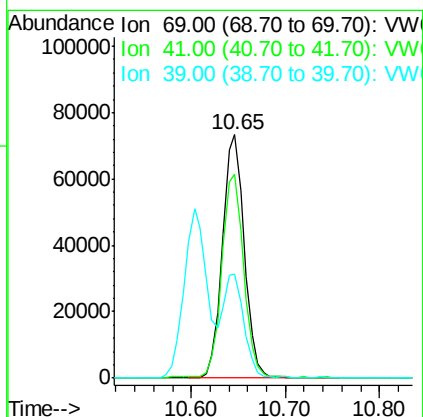
Manual Integrations
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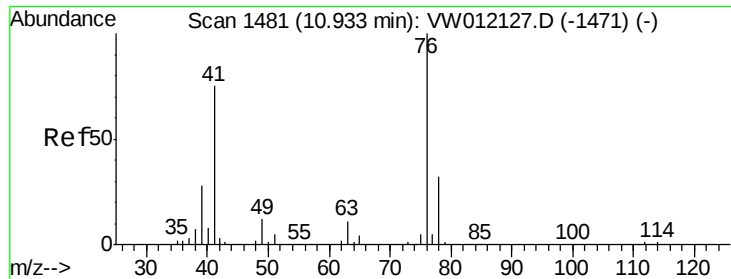
MMDadoda
 9/3/2019 10:44:45 AM



#56
 Ethyl methacrylate
 Concen: 61.815 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion:	69	Resp:	118076
Ion	Ratio	Lower	Upper
69	100		
41	83.0	66.5	99.7
39	39.7	31.0	46.4





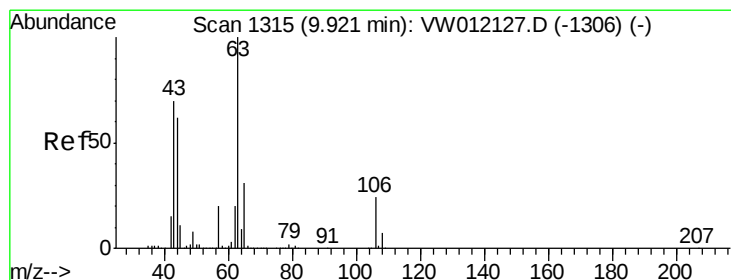
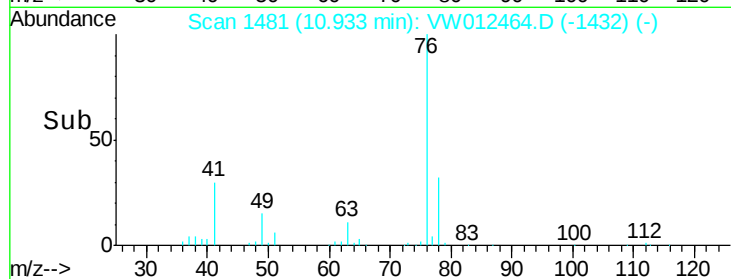
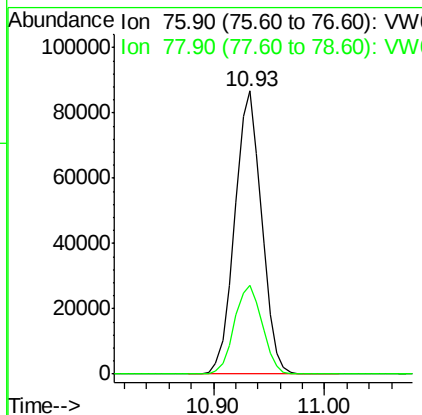
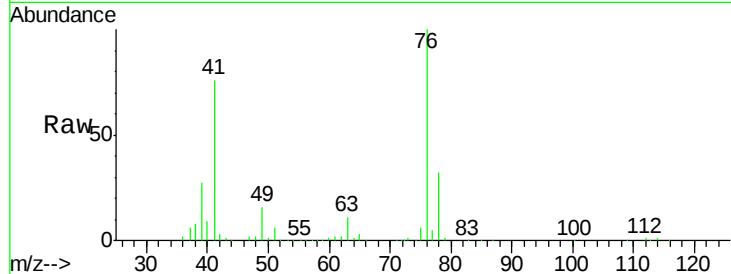
#57
 1,3-Dichloropropane
 Concen: 58.473 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 145022
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8

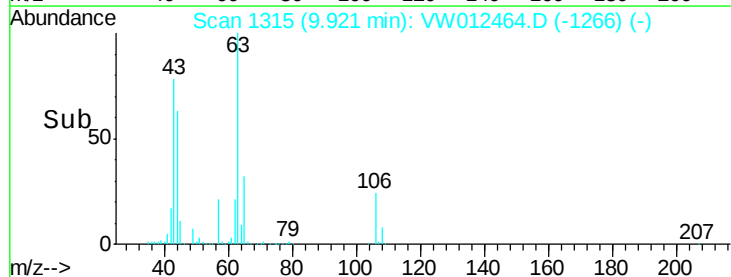
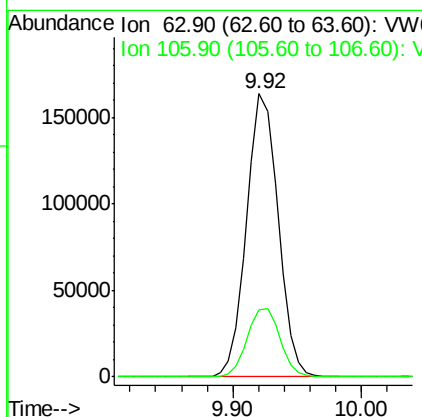
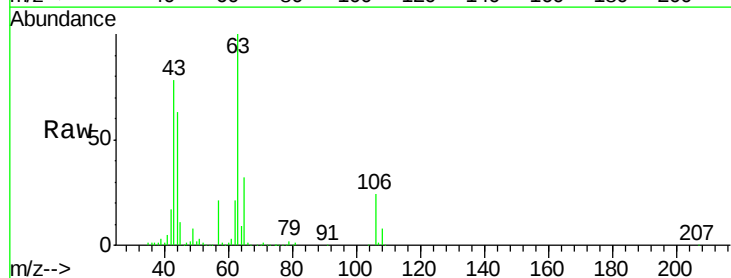
Manual Integrations
 APPROVED

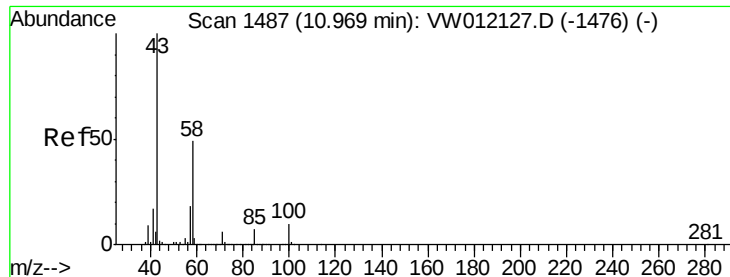
MMDadoda
 9/3/2019 10:44:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.188 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion: 63 Resp: 277616
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8





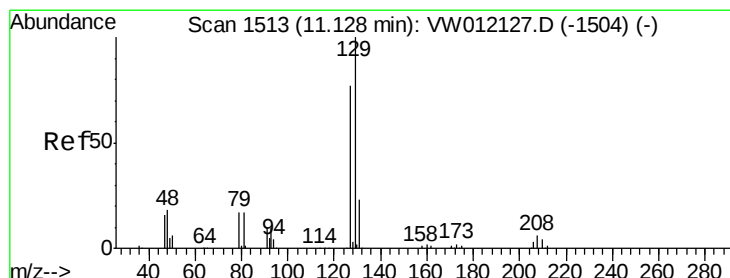
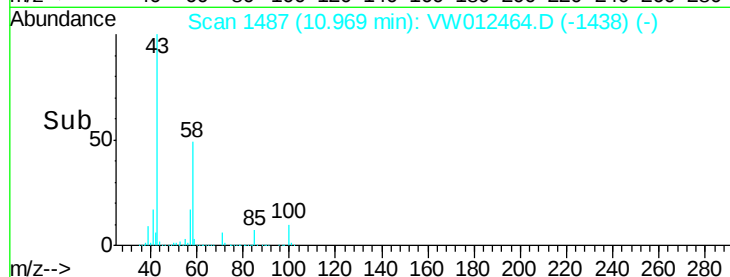
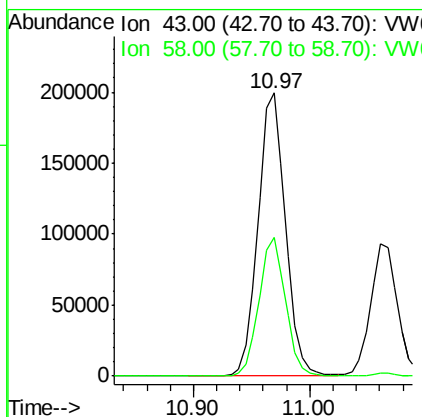
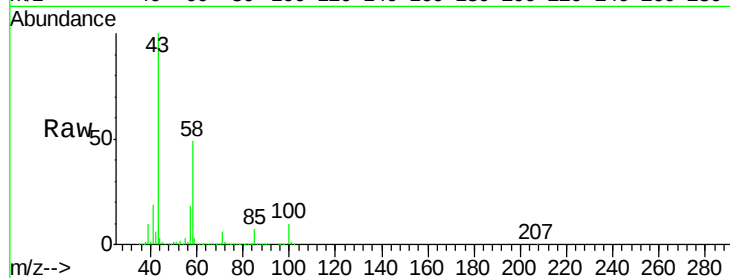
#59
2-Hexanone
Concen: 316.218 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 327713
Ion Ratio Lower Upper
43 100
58 47.7 24.3 72.9

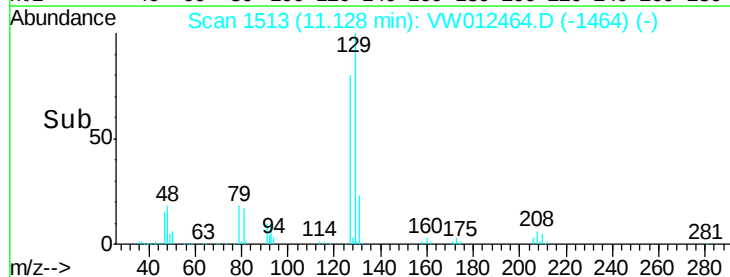
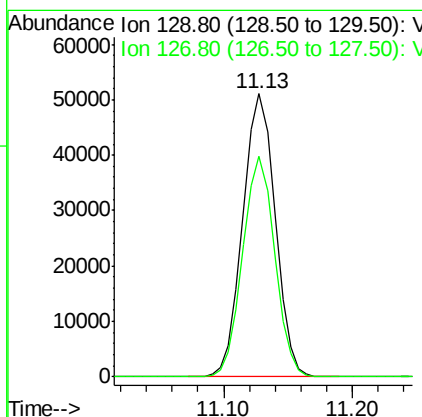
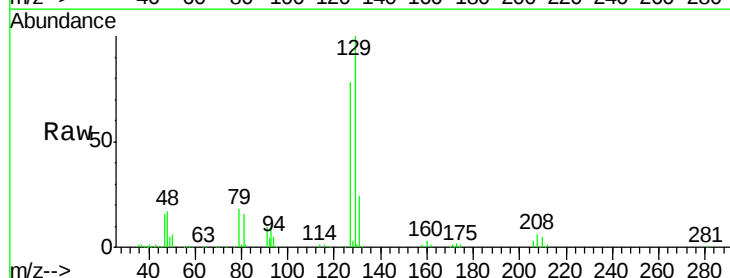
Manual Integrations
APPROVED

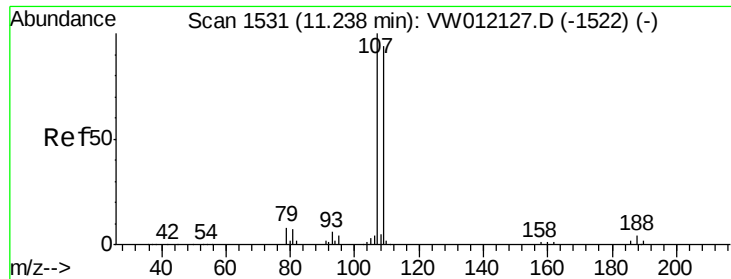
MMDadoda
9/3/2019 10:44:45 AM



#60
Dibromochloromethane
Concen: 60.863 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion: 129 Resp: 88971
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





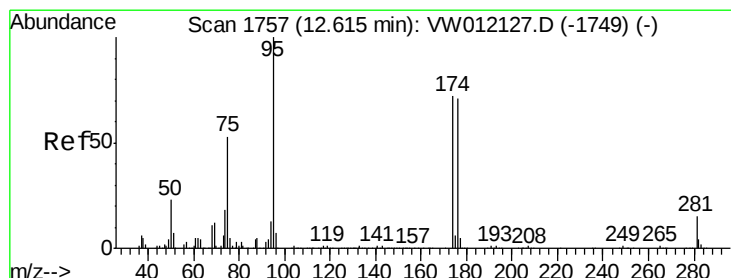
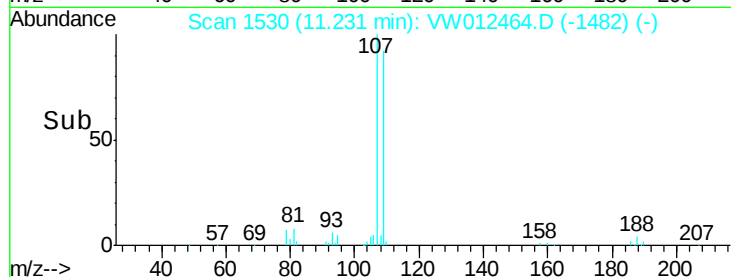
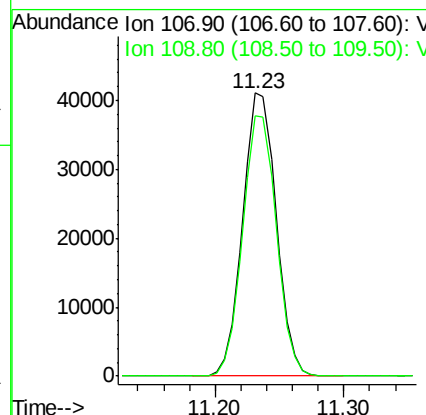
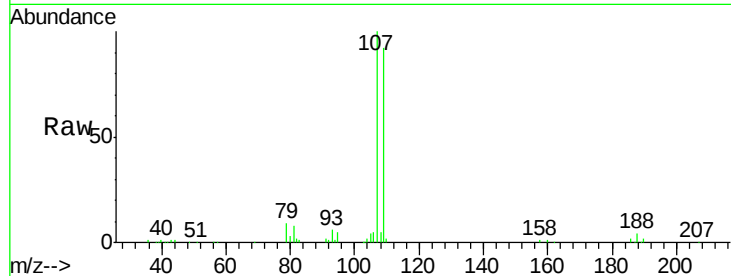
#61
 1,2-Dibromoethane
 Concen: 60.592 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.4	113.2

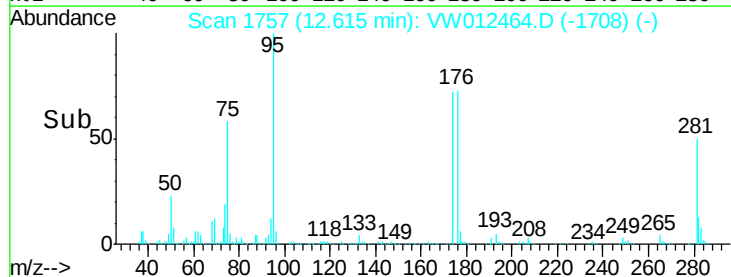
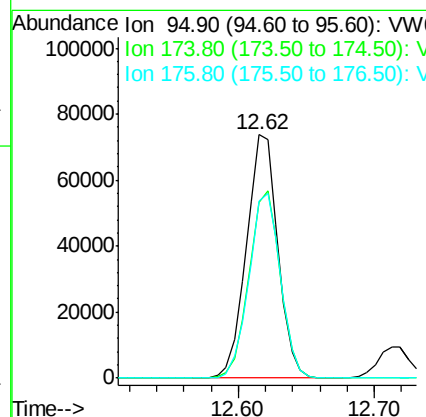
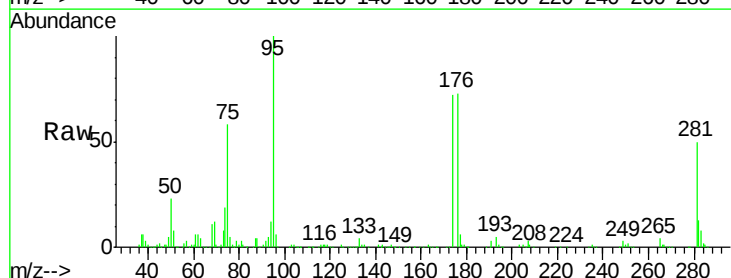
Manual Integrations
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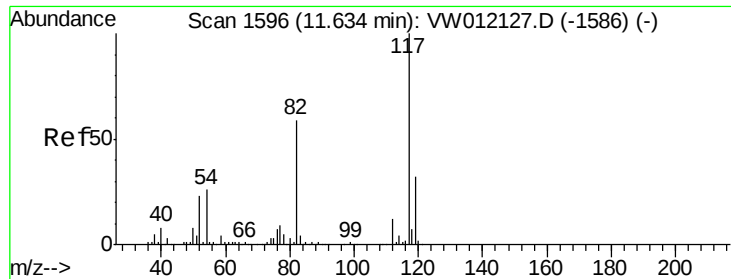
MMDadoda
 9/3/2019 10:44:45 AM



#62
 4-Bromofluorobenzene
 Concen: 50.904 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	150.8
176	76.2	0.0	148.6





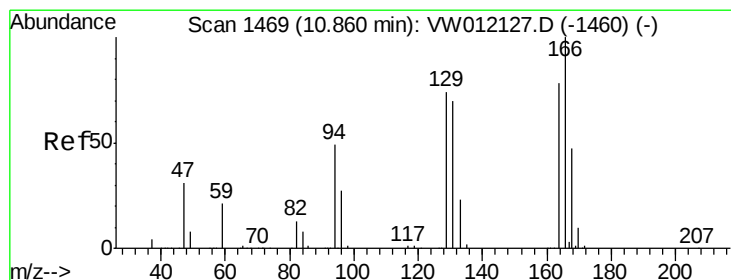
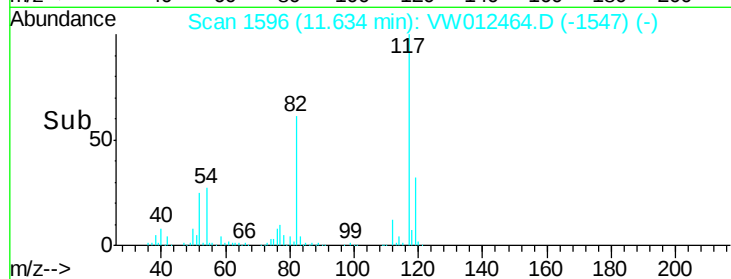
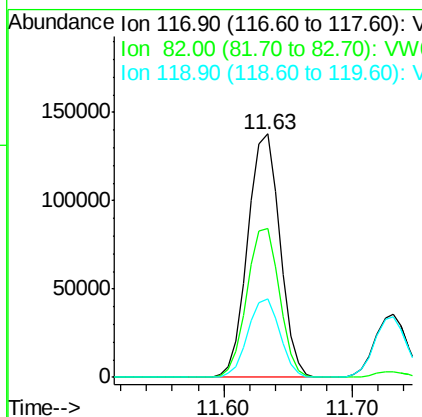
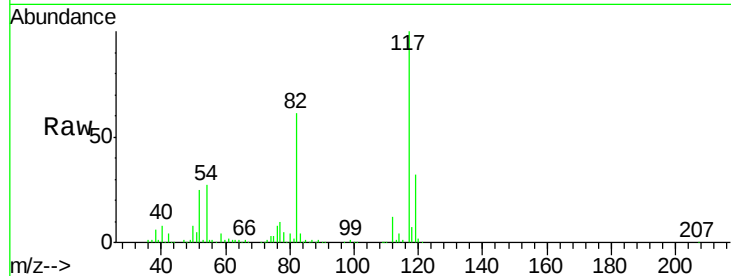
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	238044		
82	61.4		47.4	71.2
119	32.1		25.4	38.2

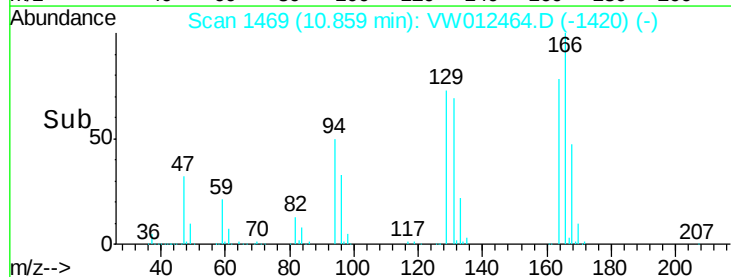
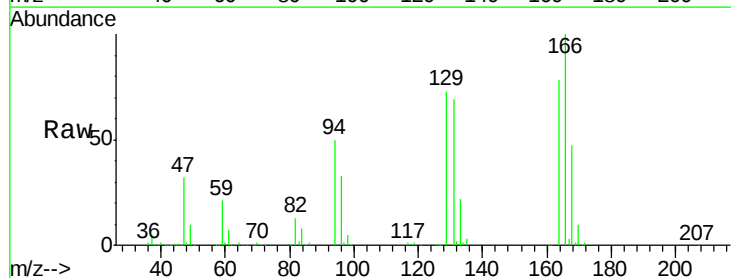
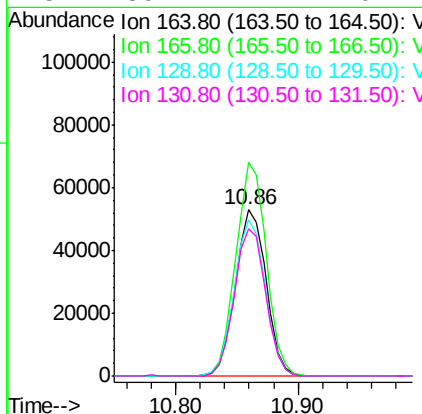
Manual Integrations
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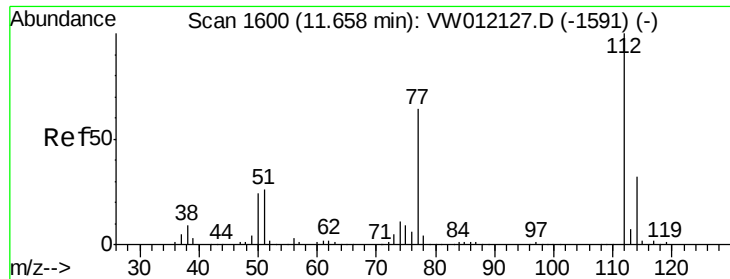
MMDadoda
9/3/2019 10:44:45 AM



#64
Tetrachloroethene
Concen: 59.437 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91729		
166	128.8		102.4	153.6
129	93.9		75.8	113.6
131	89.1		71.4	107.2





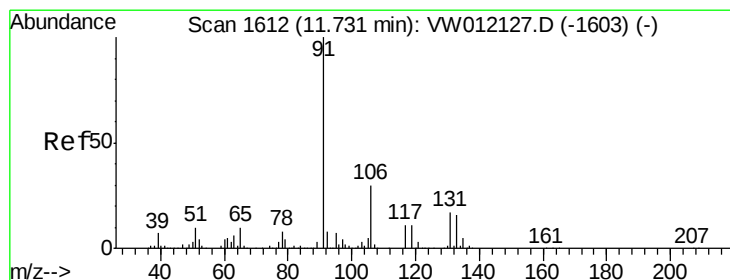
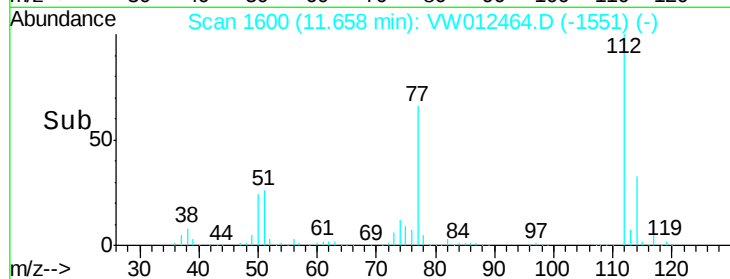
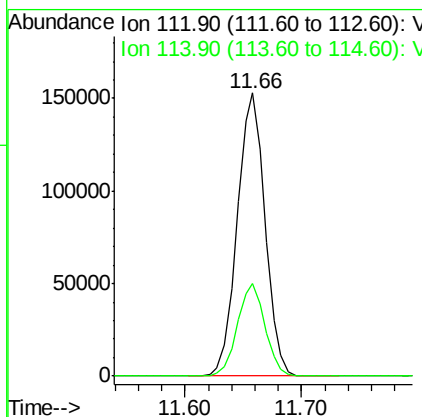
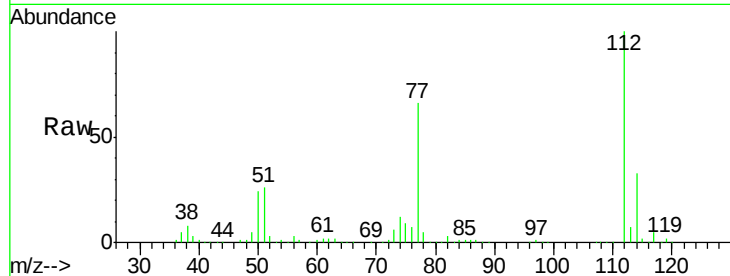
#65
Chlorobenzene
Concen: 54.302 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

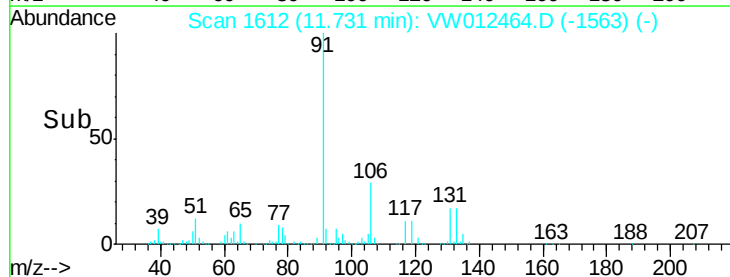
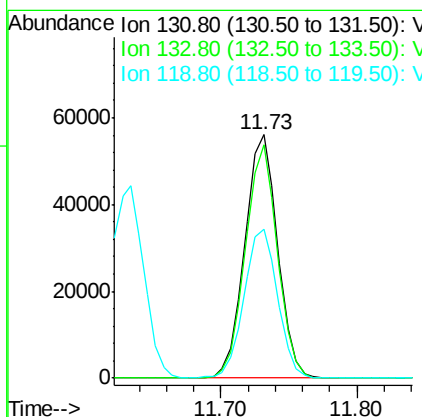
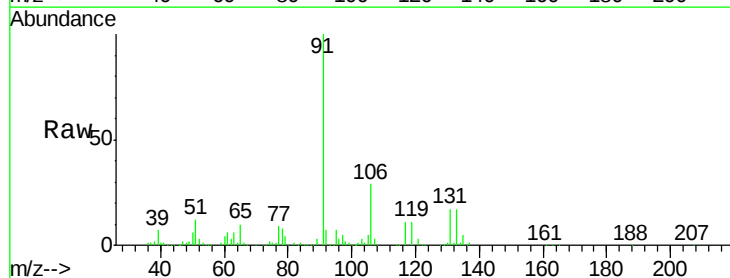
Manual Integrations
APPROVED

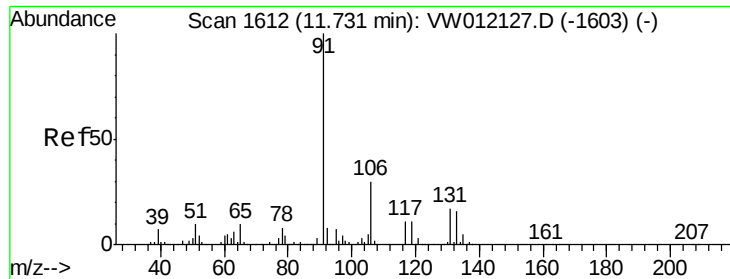
MMDadoda
9/3/2019 10:44:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 57.940 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.1	141.3
119	62.3	31.8	95.3





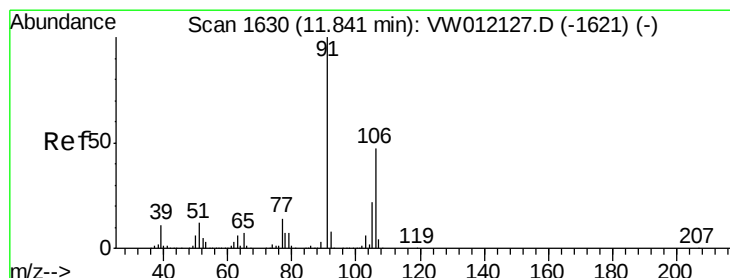
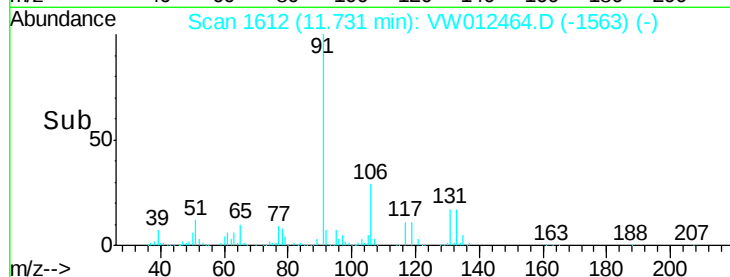
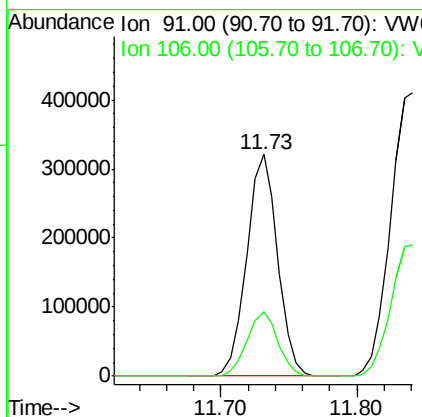
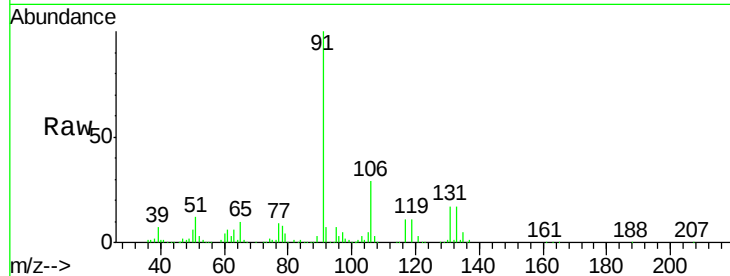
#67
Ethyl Benzene
Concen: 56.419 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.3	36.5

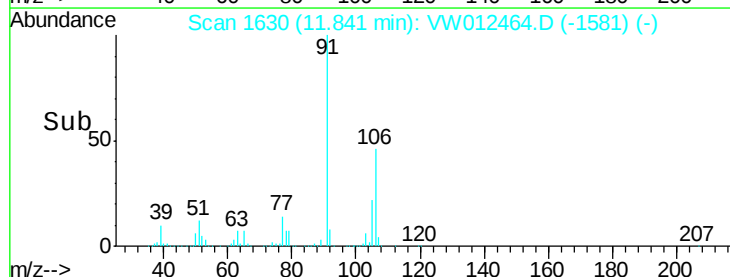
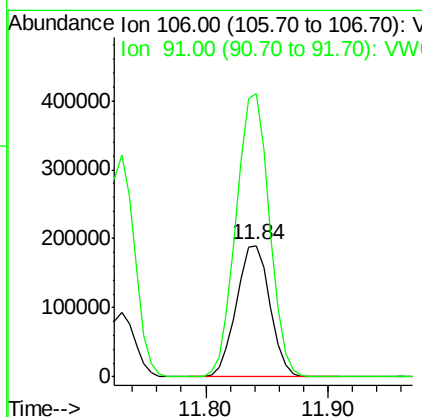
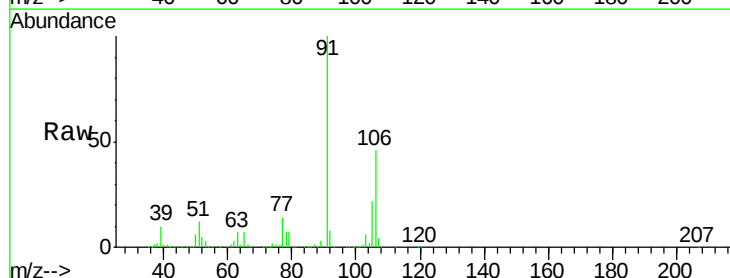
Manual Integrations
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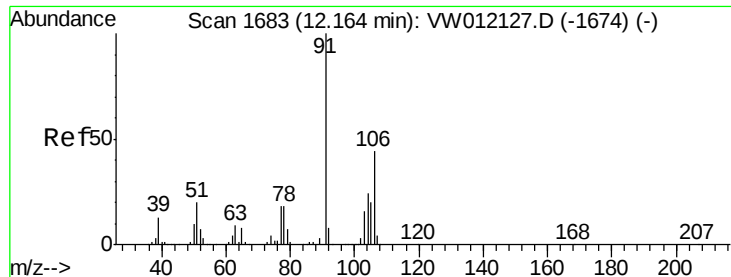
MMDadoda
9/3/2019 10:44:45 AM



#68
m/p-Xylenes
Concen: 111.056 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.3	169.5	254.3





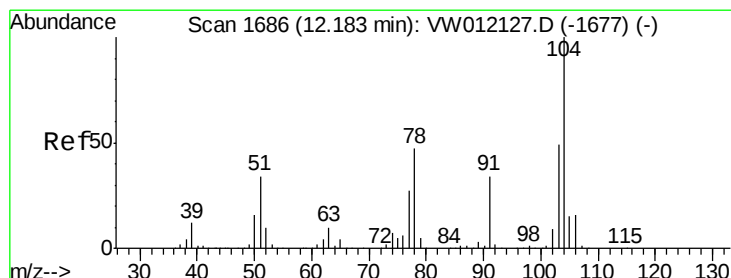
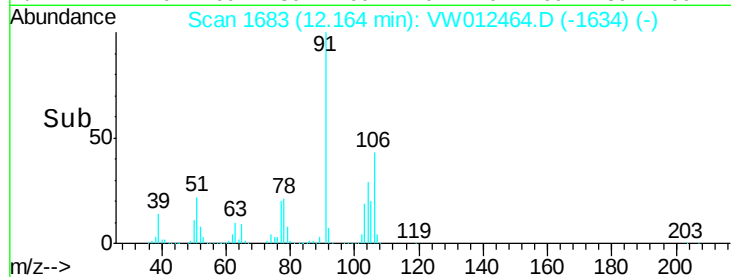
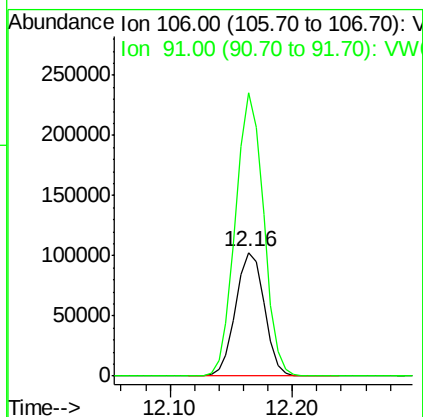
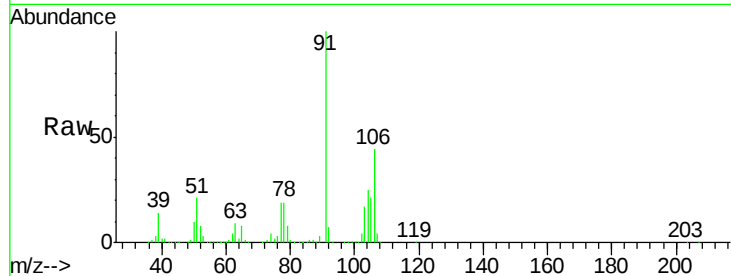
#69
o-Xylene
Concen: 55.463 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	224.4	111.6	334.6		

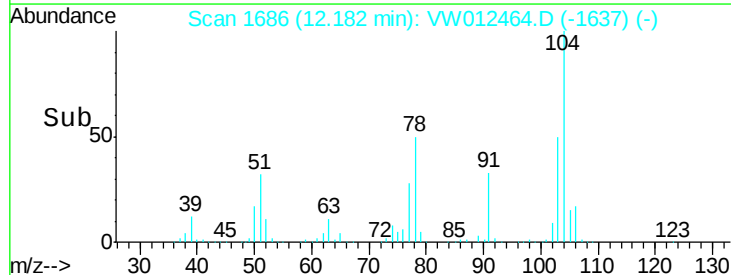
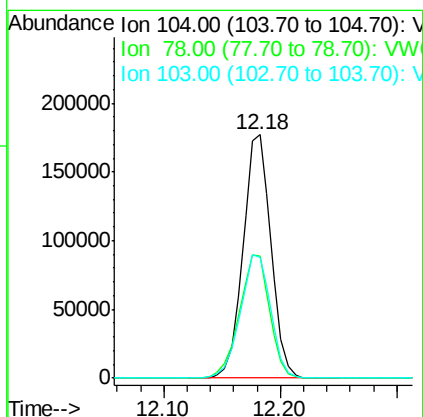
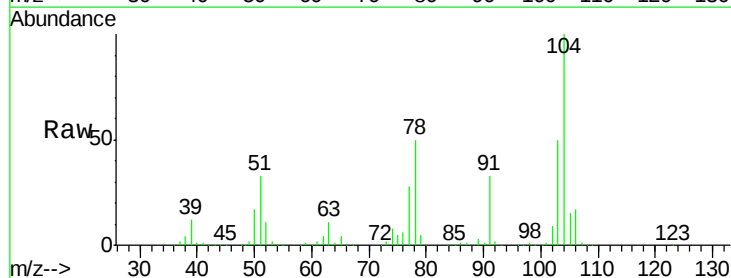
Manual Integrations
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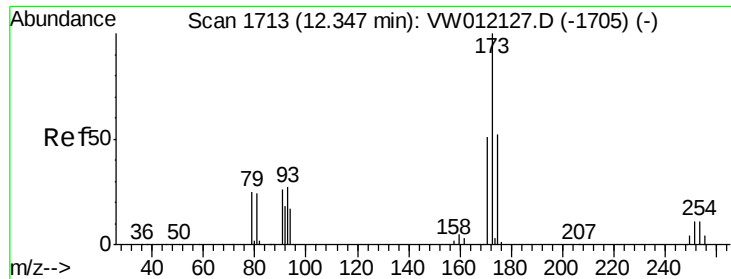
MMDadoda
9/3/2019 10:44:45 AM



#70
Styrene
Concen: 56.641 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	55.0	43.1	64.7		
103	55.1	43.5	65.3		





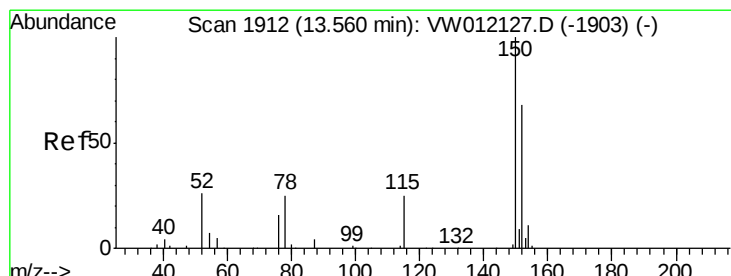
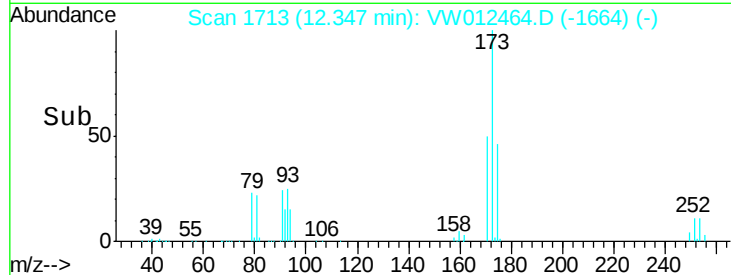
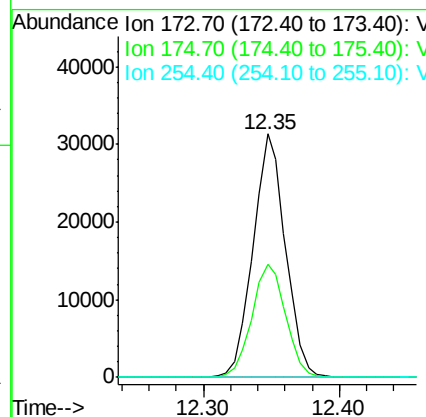
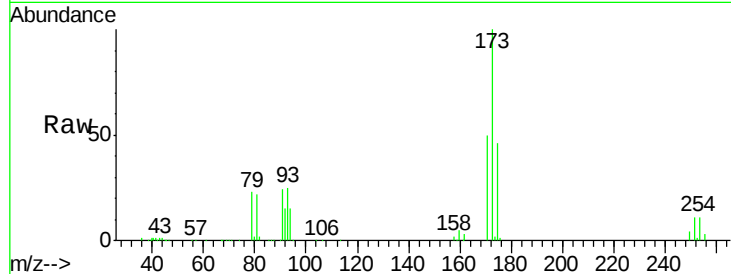
#71
Bromoform
Concen: 64.005 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.3	24.6	74.0		
254	0.0	0.2	0.2#		

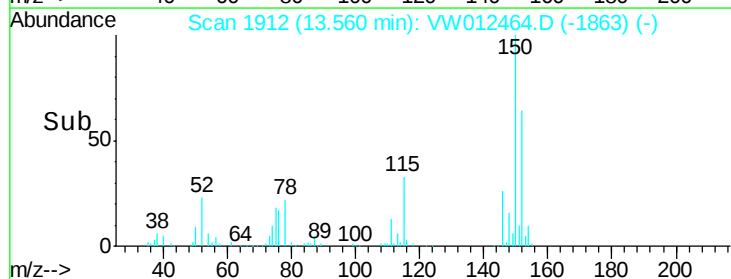
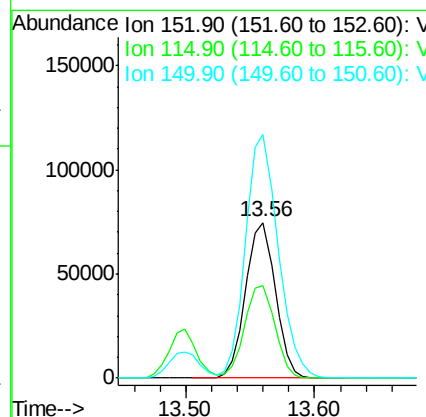
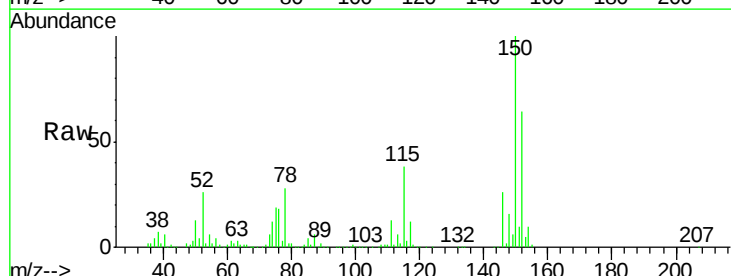
Manual Integrations
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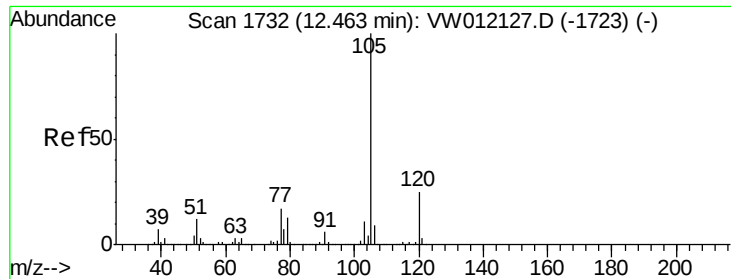
MMDadoda
9/3/2019 10:44:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	61.1	30.1	90.3		
150	171.9	0.0	345.8		





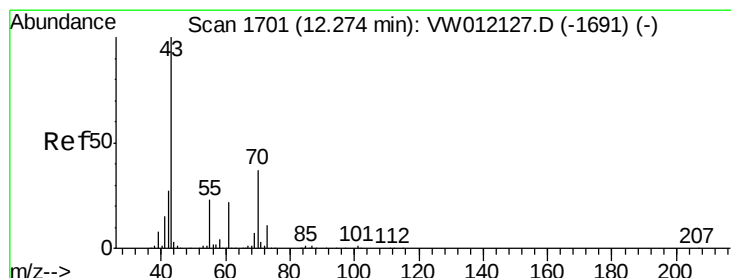
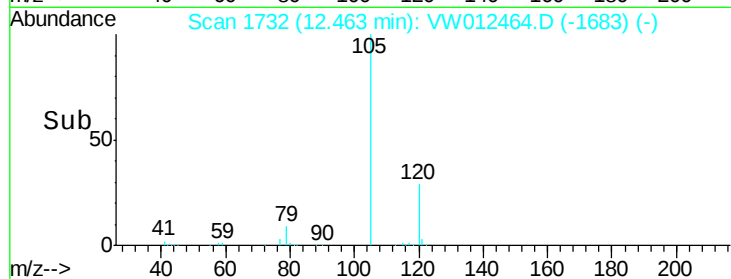
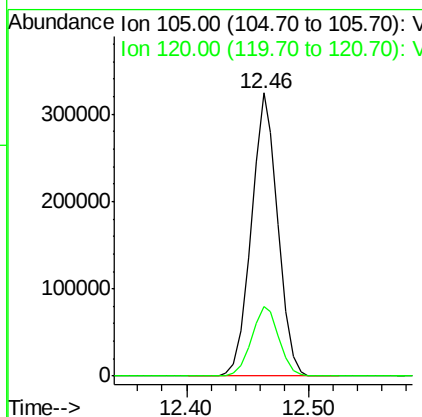
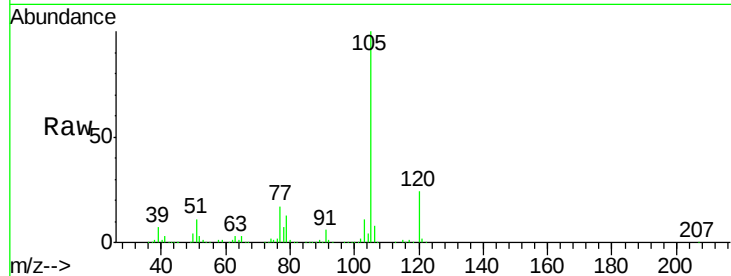
#73
Isopropylbenzene
Concen: 54.552 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.5	37.5

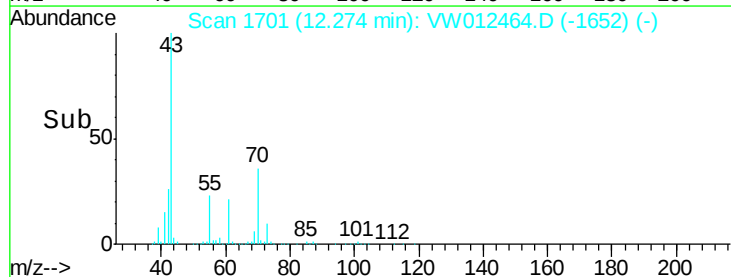
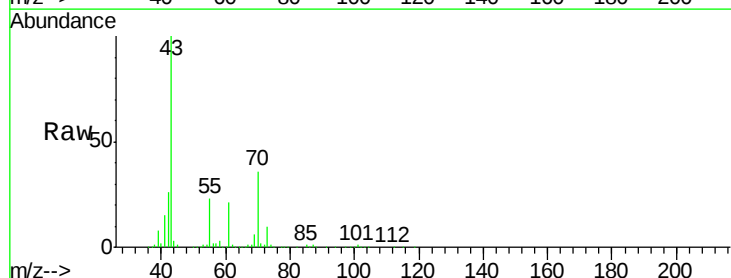
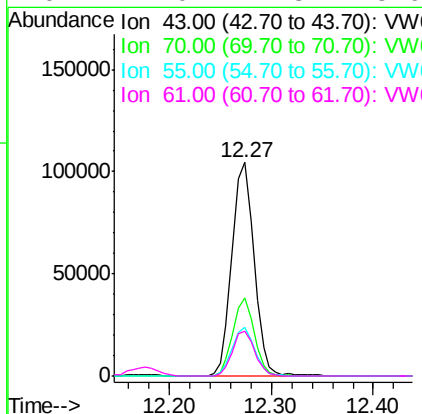
Manual Integrations
APPROVED

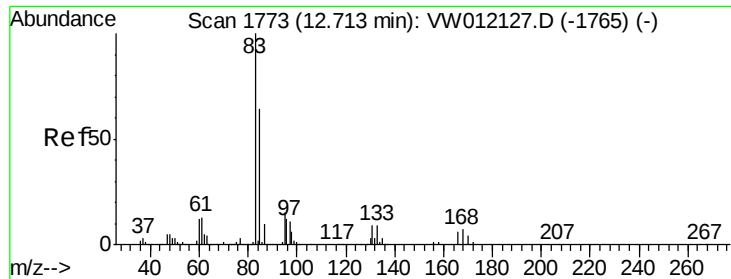
MMDadoda
9/3/2019 10:44:45 AM



#74
N-ethyl acetate
Concen: 58.569 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.4	28.6	43.0
55	23.2	17.8	26.6
61	21.0	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 57.007 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

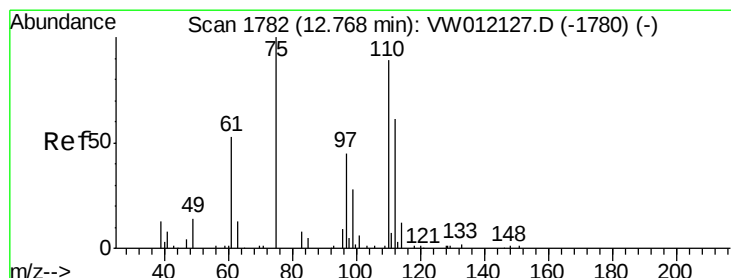
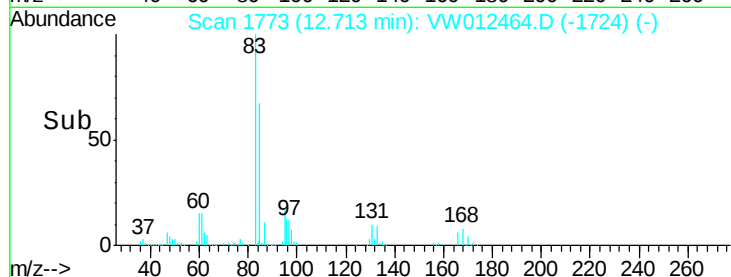
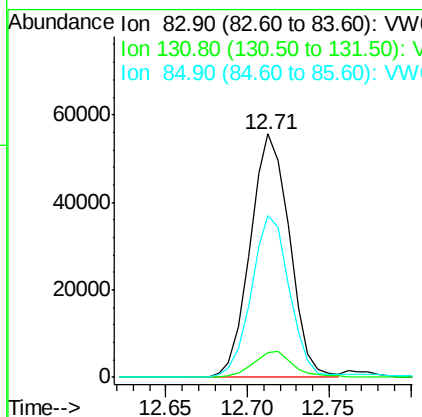
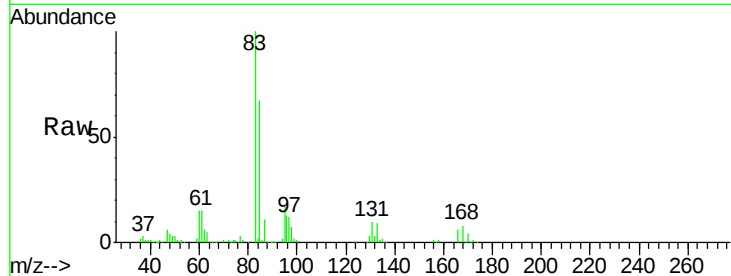
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	93340
Ion Ratio	Lower	Upper	
83	100		
131	10.9	4.9	14.7
85	64.4	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.342 ug/l m

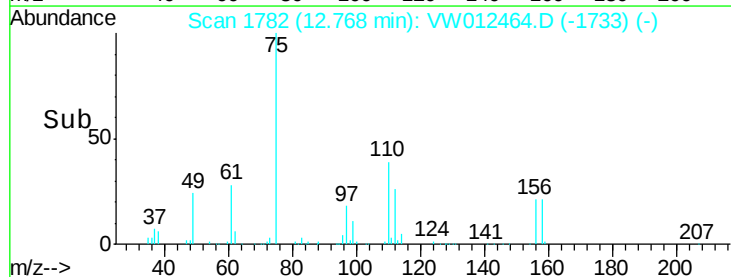
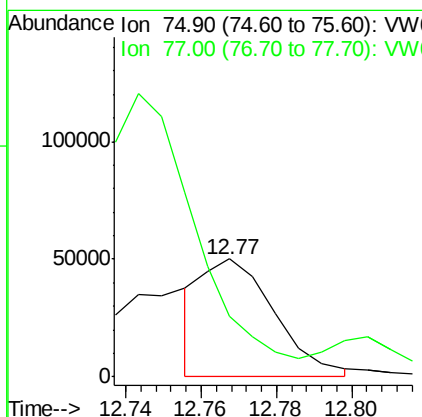
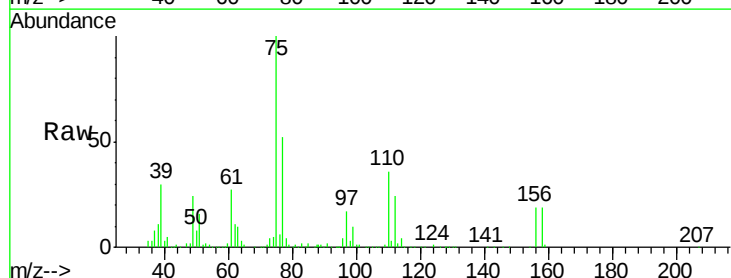
RT: 12.77 min Scan# 1782

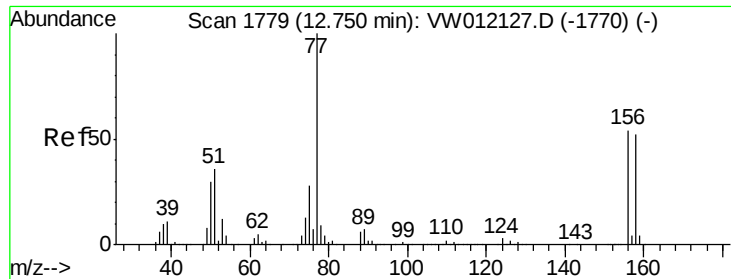
Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Tgt Ion:	75	Resp:	67725
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.039 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 104412

Ion Ratio Lower Upper

156 100

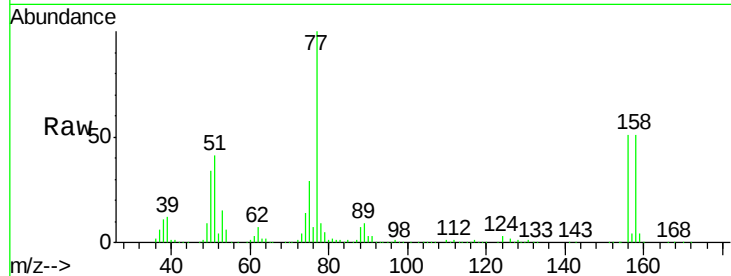
77 214.2 107.3 321.8

158 97.3 49.0 147.0

Manual Integrations
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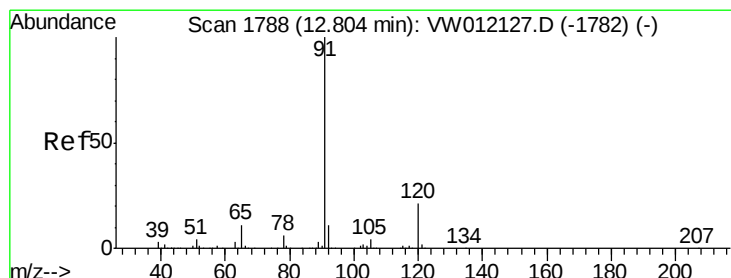
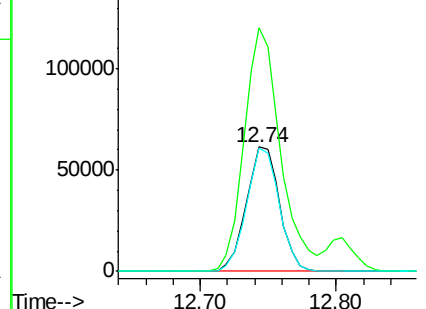
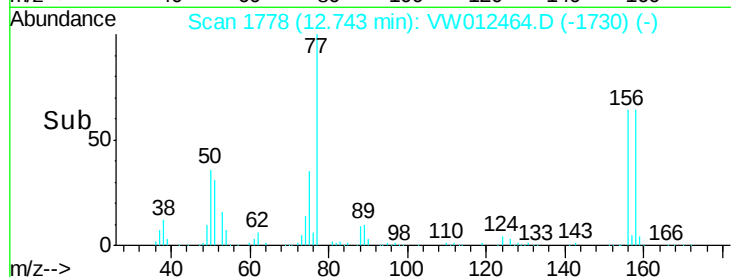
9/3/2019 10:44:45 AM



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: 54.626 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012464.D

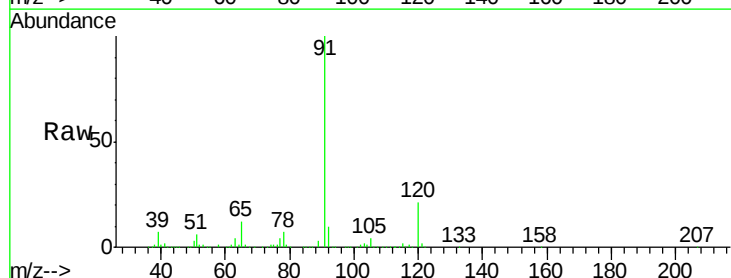
Acq: 01 Sep 2019 22:57

Tgt Ion: 91 Resp: 595589

Ion Ratio Lower Upper

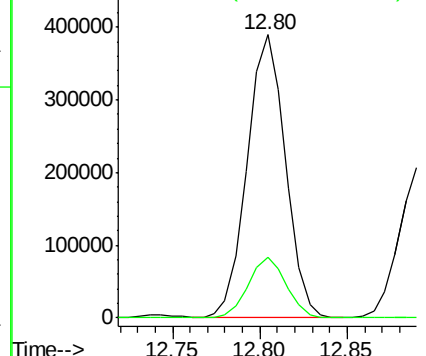
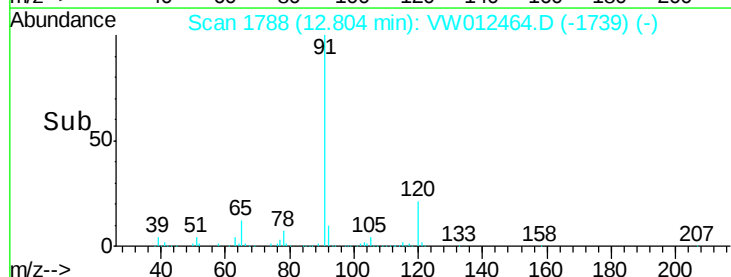
91 100

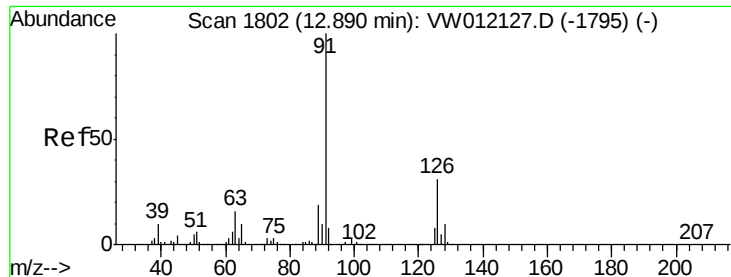
120 21.3 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





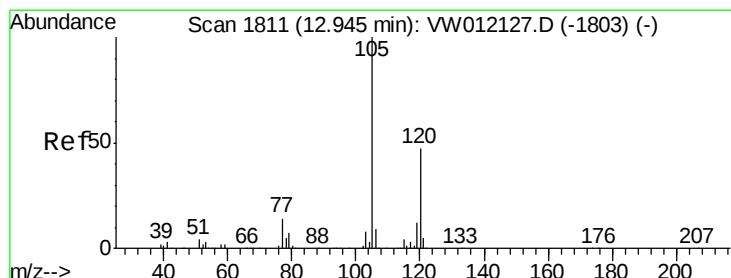
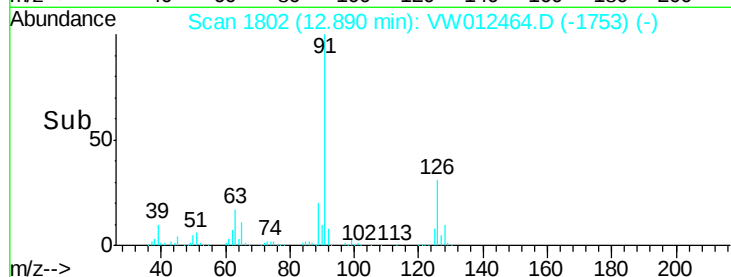
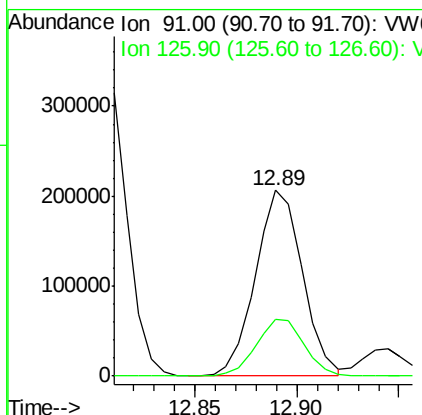
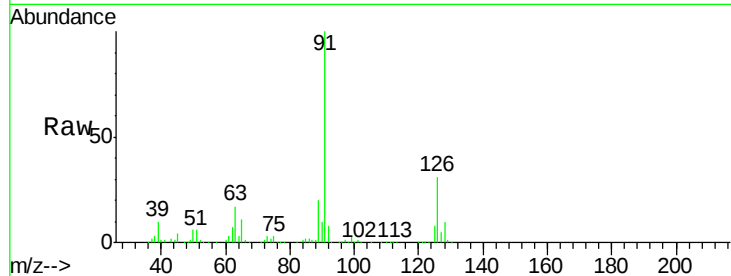
#79
 2-Chlorotoluene
 Concen: 53.496 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 331149
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.7 47.0

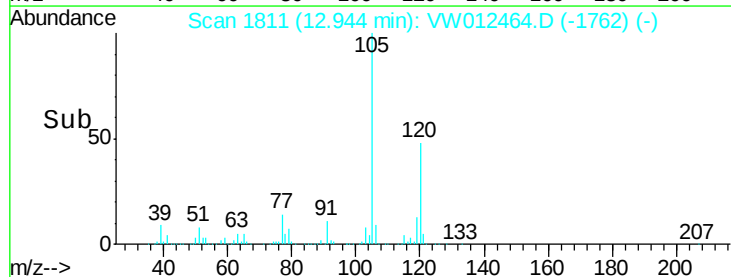
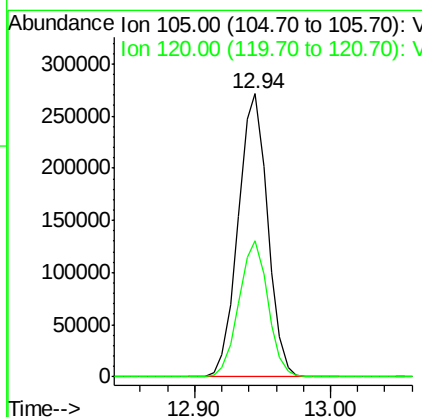
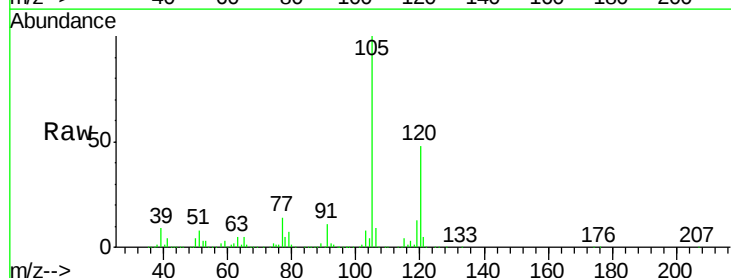
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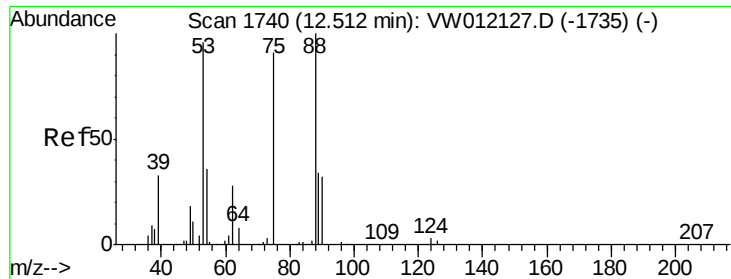
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.882 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion: 105 Resp: 409575
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.660 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

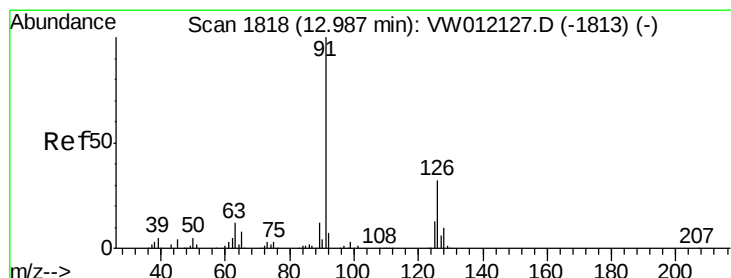
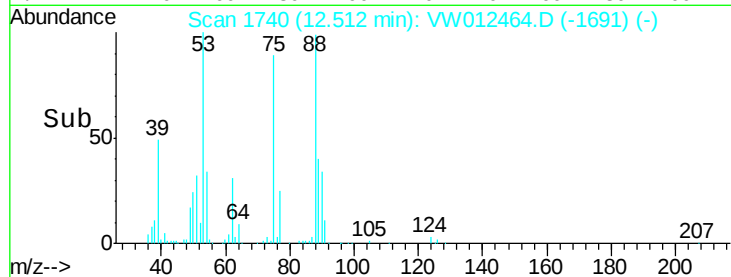
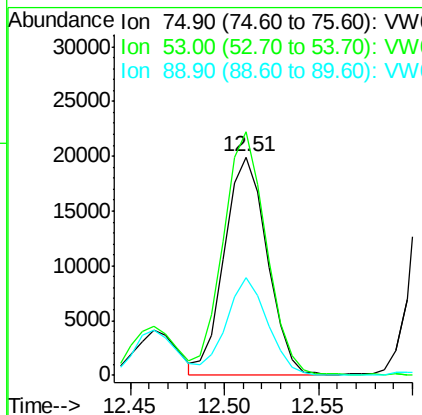
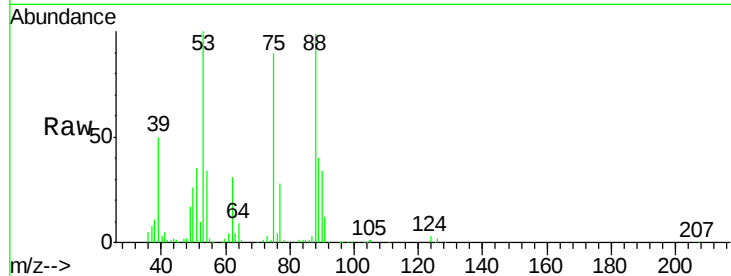
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	31587
Ion	Ratio	Lower	Upper
75	100		
53	112.5	89.4	134.0
89	42.8	34.5	51.7

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#82

4-Chlorotoluene

Concen: 53.770 ug/l

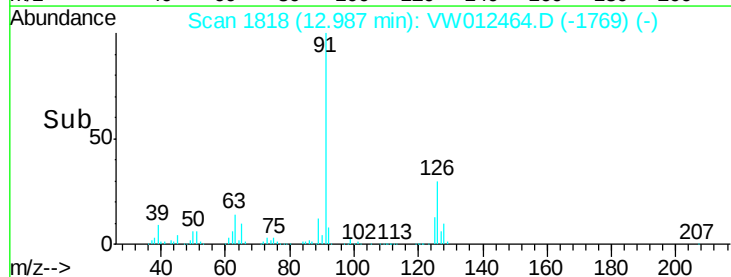
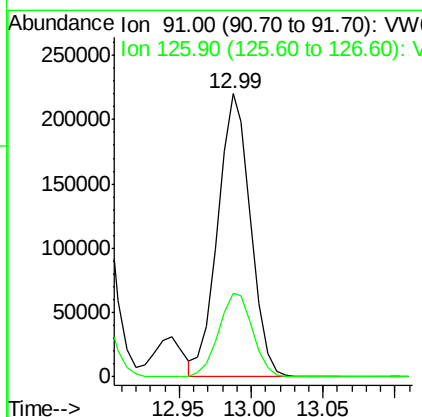
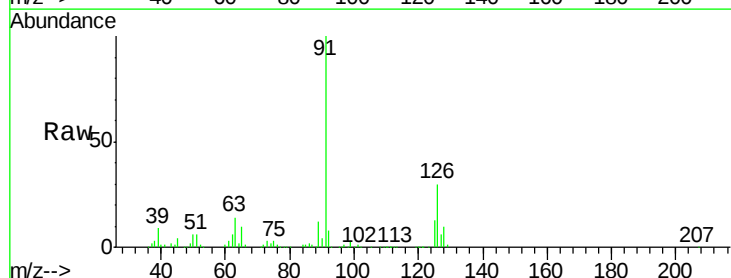
RT: 12.99 min Scan# 1818

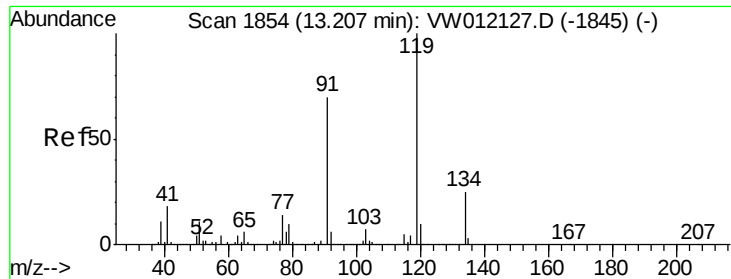
Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Tgt Ion:	91	Resp:	348513
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.8





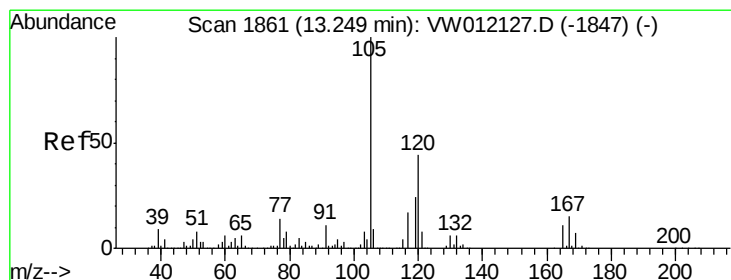
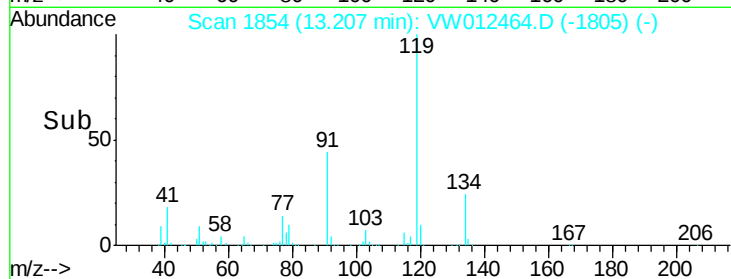
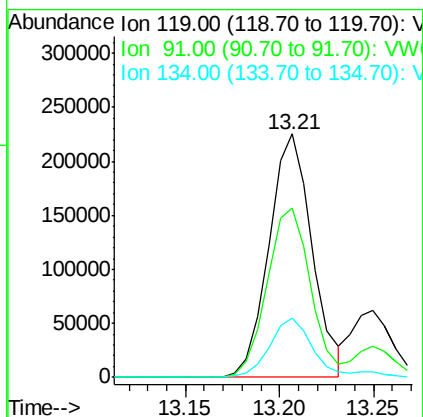
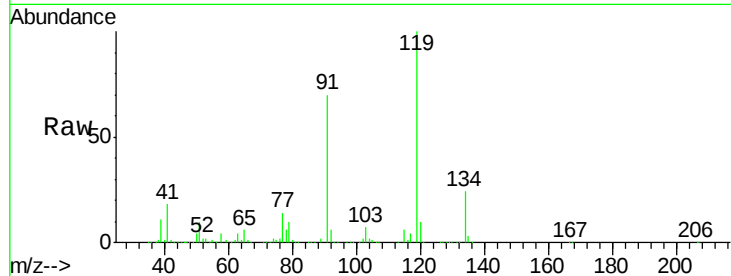
#83
 tert-Butylbenzene
 Concen: 56.515 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	34.8	104.3
134	25.6	13.3	39.8

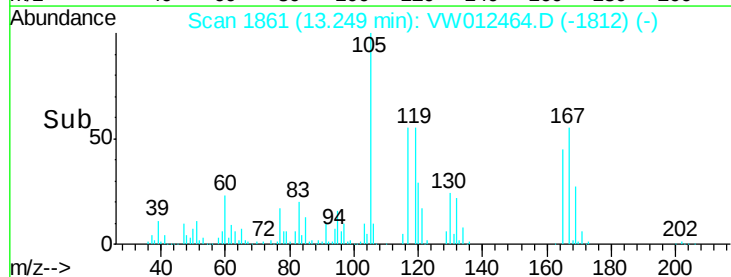
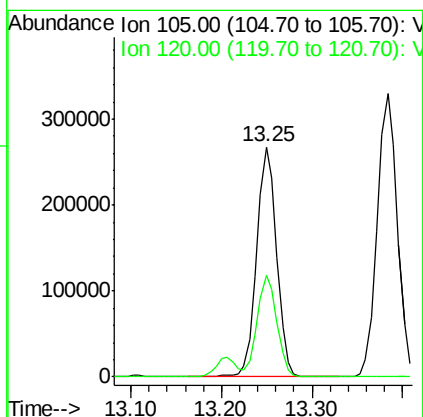
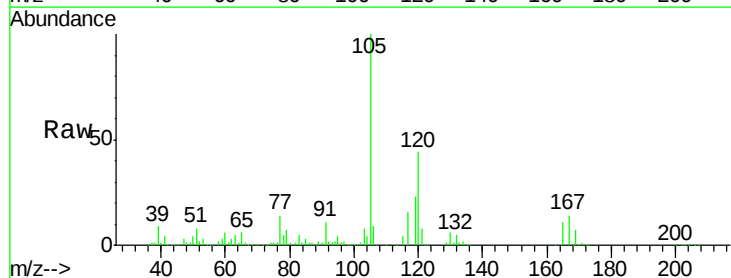
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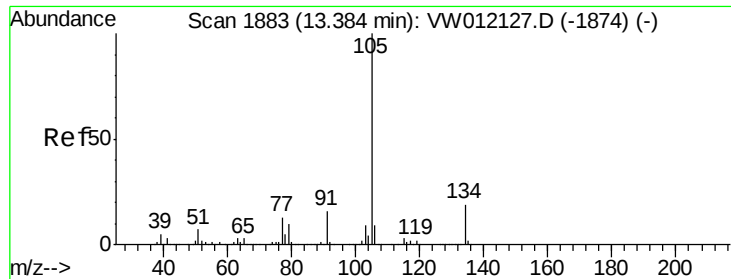
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.443 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.9	65.7





#85

sec-Butylbenzene

Concen: 55.785 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 505239

Ion Ratio Lower Upper

105 100

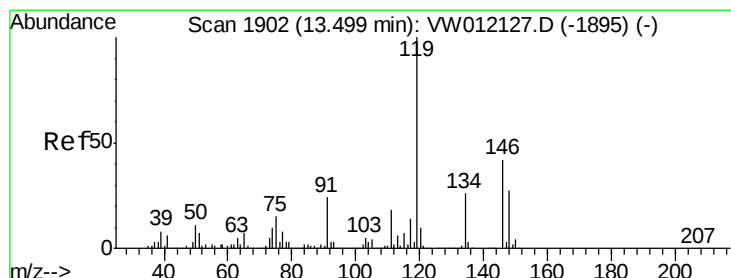
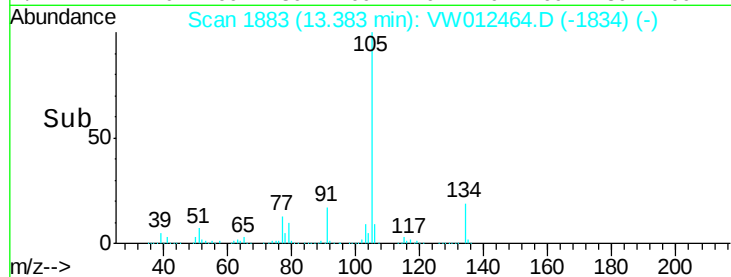
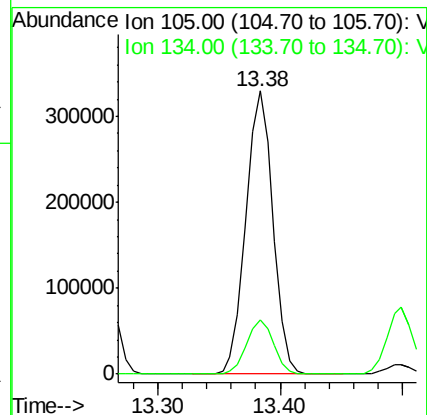
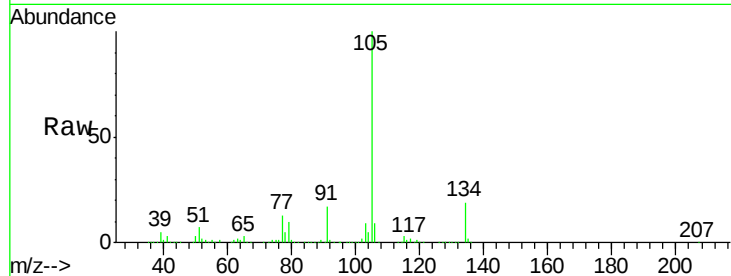
134 19.2 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.373 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012464.D

Acq: 01 Sep 2019 22:57

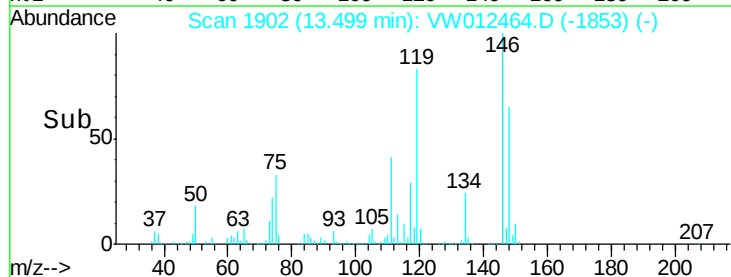
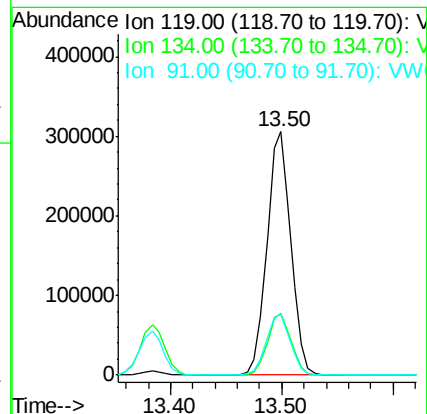
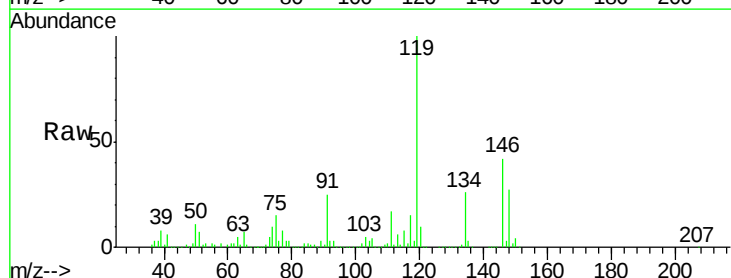
Tgt Ion:119 Resp: 455963

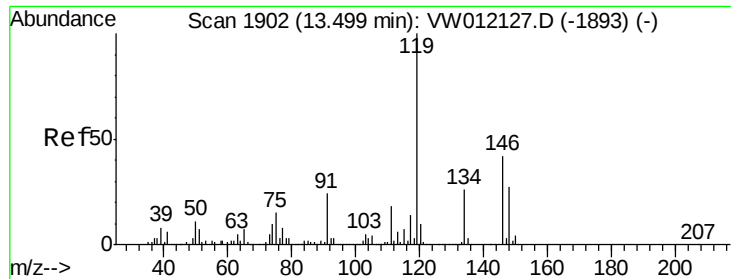
Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

91 25.2 12.3 36.9





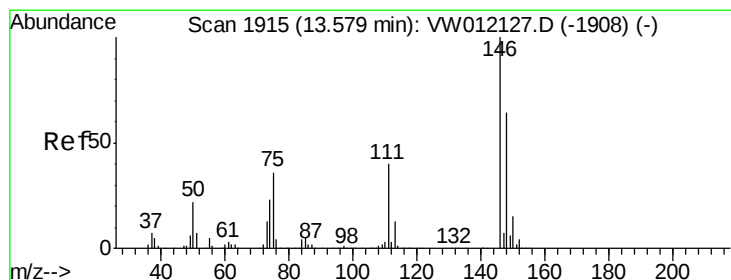
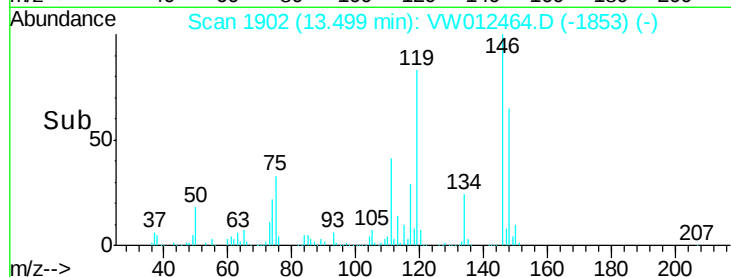
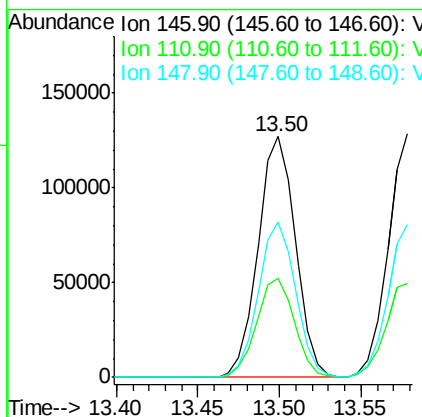
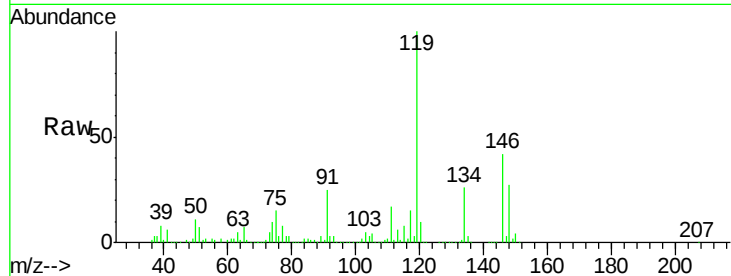
#87
 1,3-Dichlorobenzene
 Concen: 53.702 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202953		
111	41.8	20.9	62.7	
148	64.2	32.2	96.6	

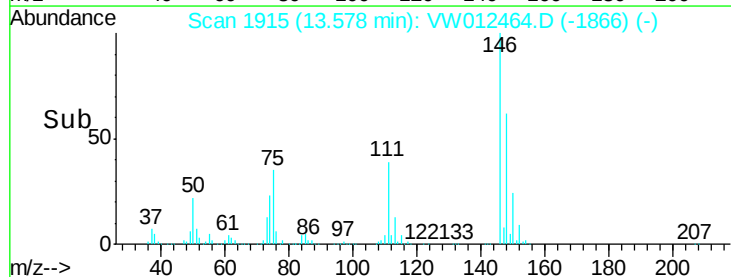
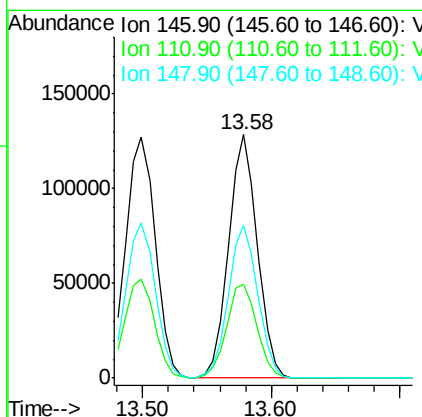
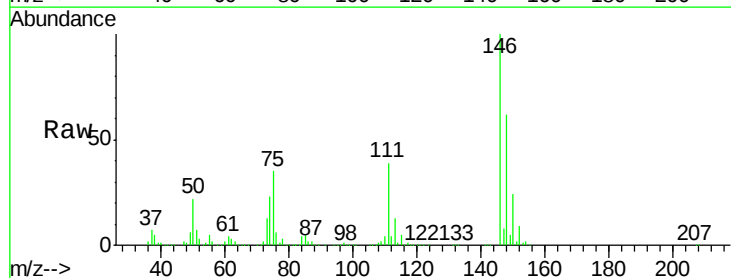
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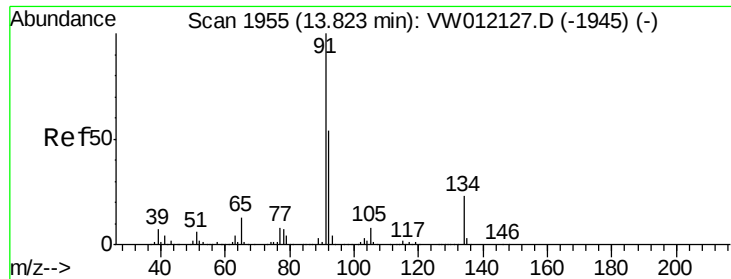
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#88
 1,4-Dichlorobenzene
 Concen: 53.521 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	200836		
111	40.9	20.0	60.0	
148	64.2	32.1	96.3	





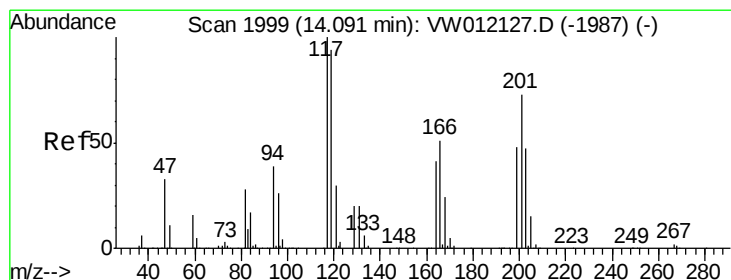
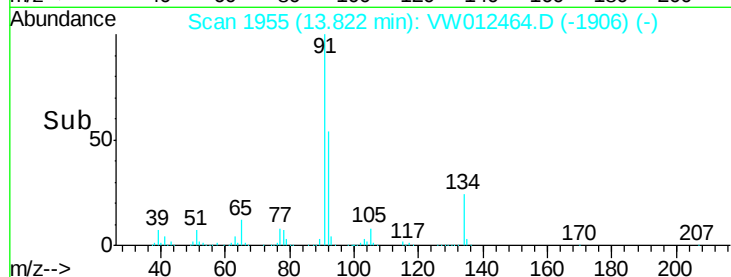
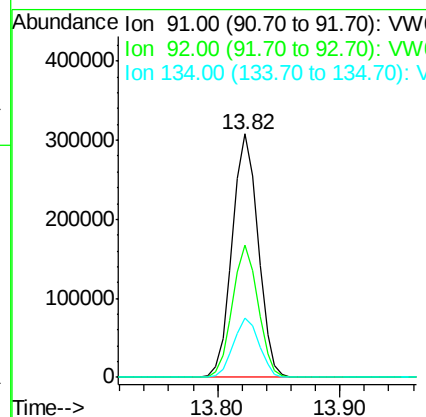
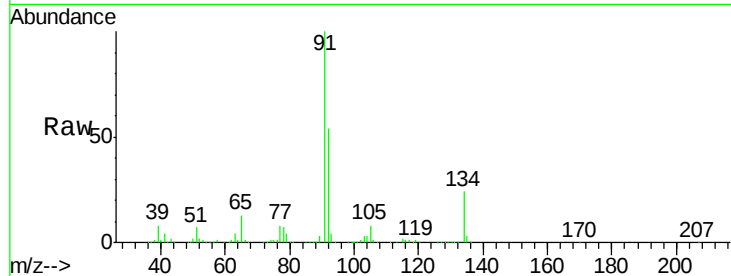
#89
n-Butylbenzene
Concen: 55.968 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.1	81.2
134	24.3	12.2	36.4

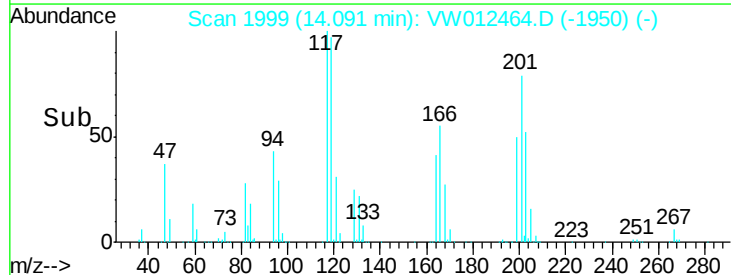
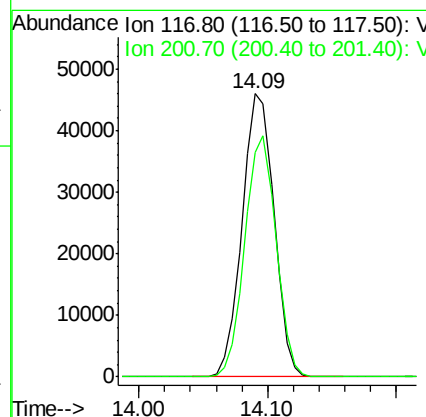
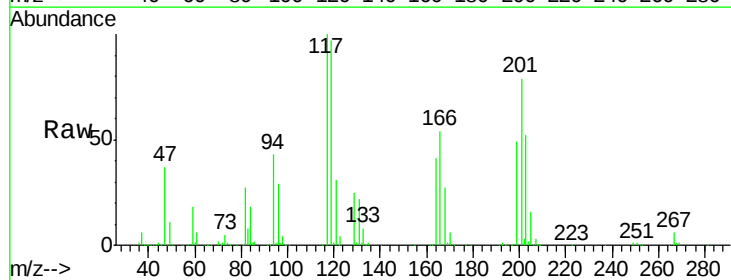
Manual Integrations
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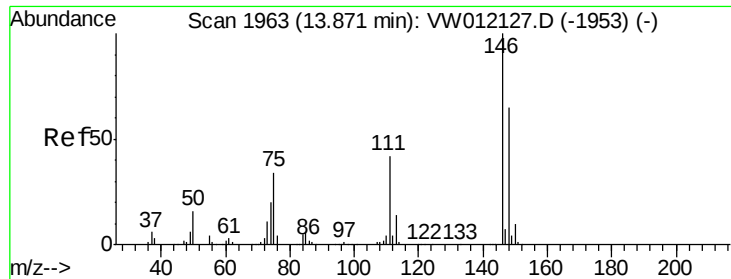
MMDadoda
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#90
Hexachloroethane
Concen: 55.601 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	38.6	115.7





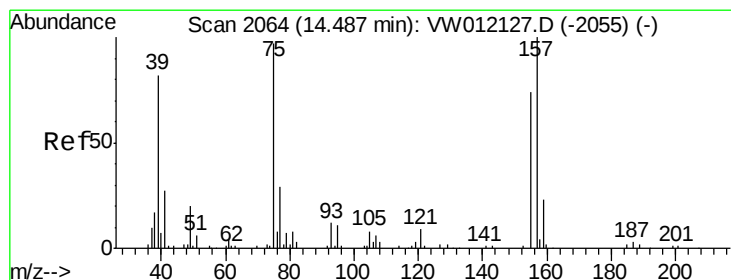
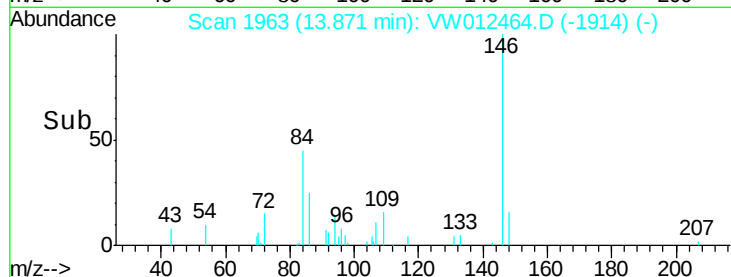
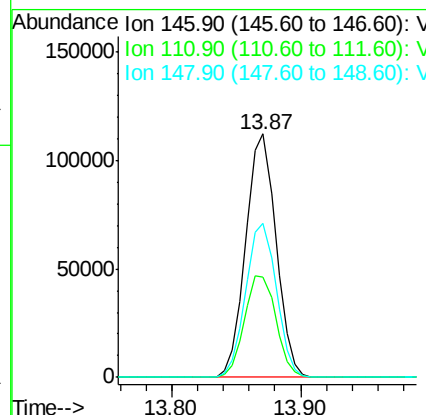
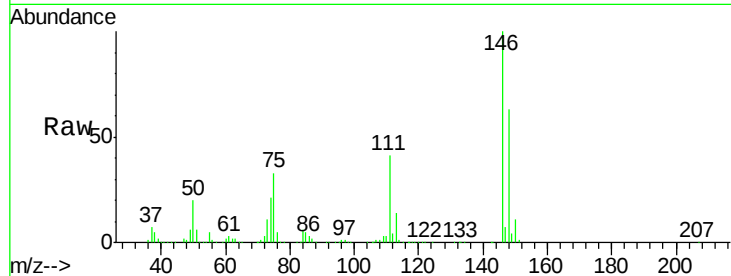
#91
 1,2-Dichlorobenzene
 Concen: 55.199 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.2	63.6
148	64.1	32.5	97.4

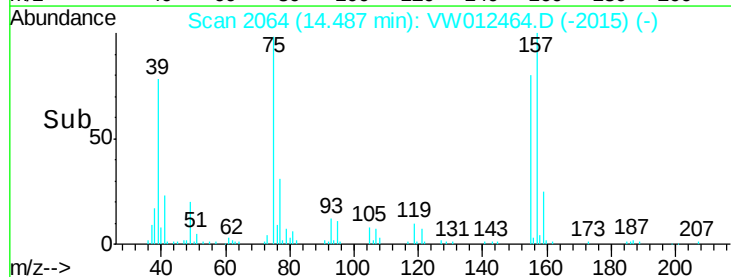
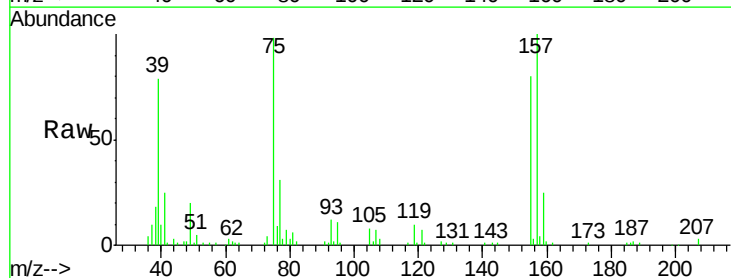
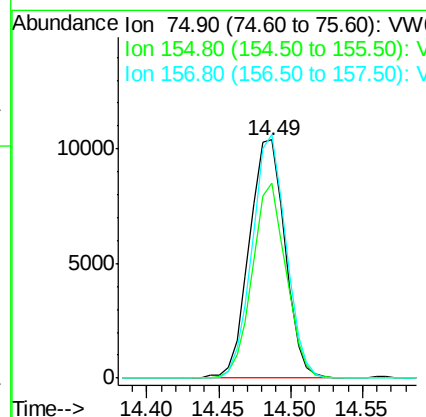
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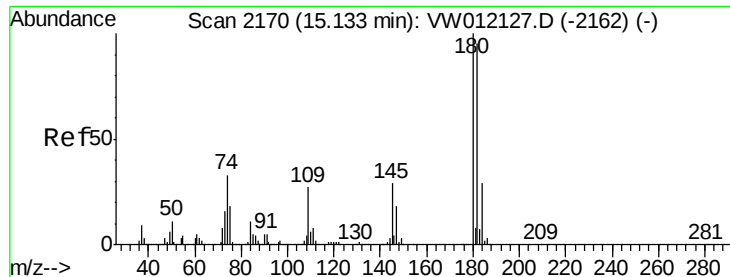
MMDadoda
 9/3/2019 10:44:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.544 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	37.5	112.3
157	96.3	50.5	151.5





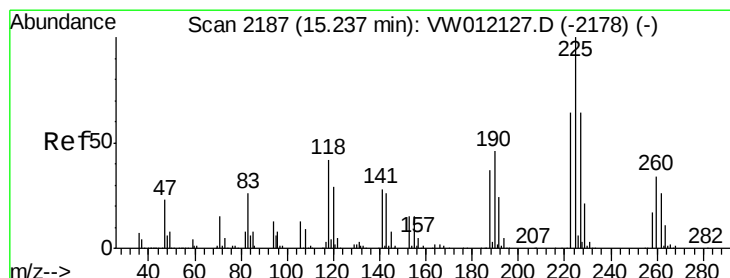
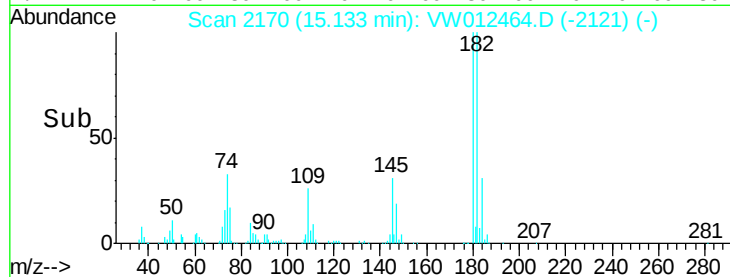
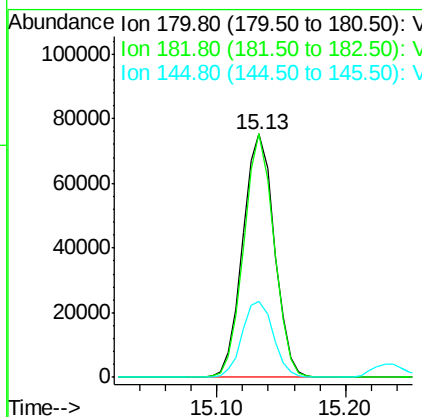
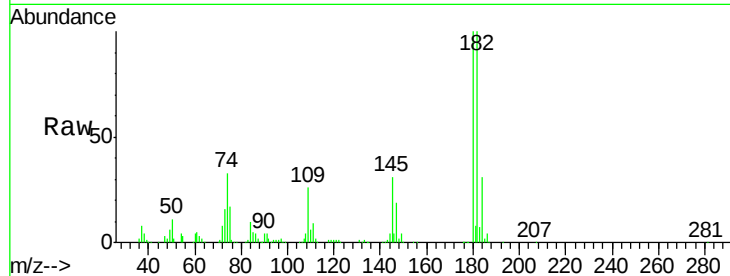
#93
 1,2,4-Trichlorobenzene
 Concen: 55.379 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.8	143.4	
145	31.1	15.0	45.1	

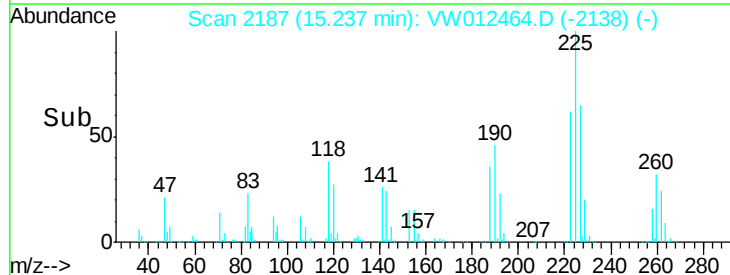
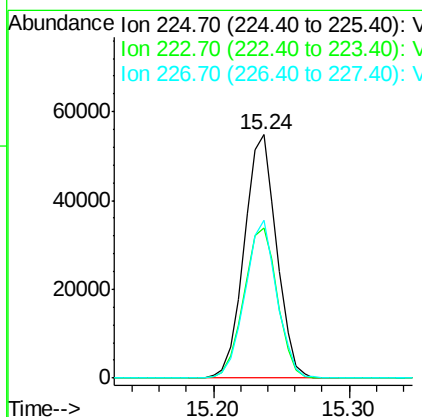
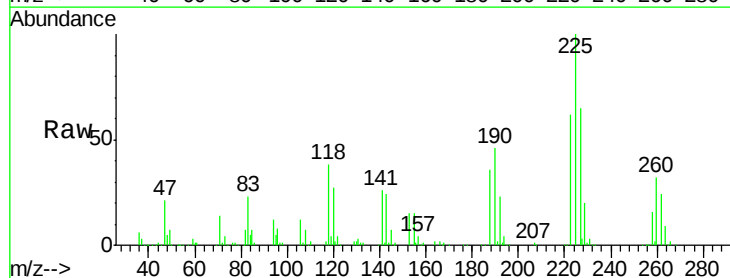
Manual Integrations
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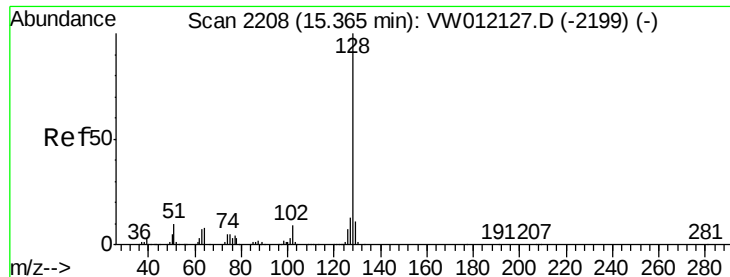
MMDadoda
 9/3/2019 10:44:45 AM



#94
 Hexachlorobutadiene
 Concen: 60.065 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012464.D
 Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	32.3	96.8	
227	63.7	32.9	98.6	





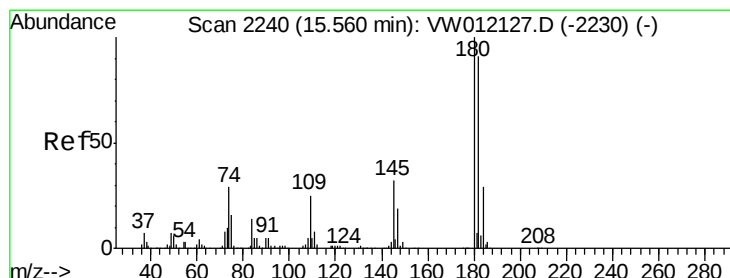
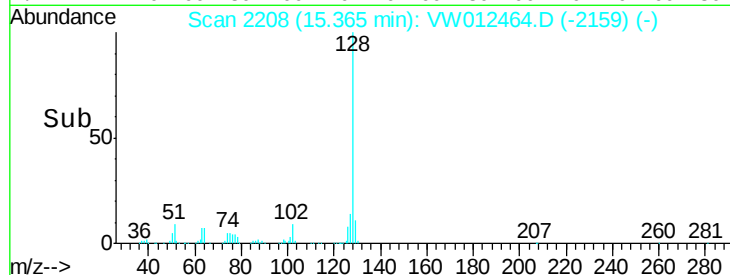
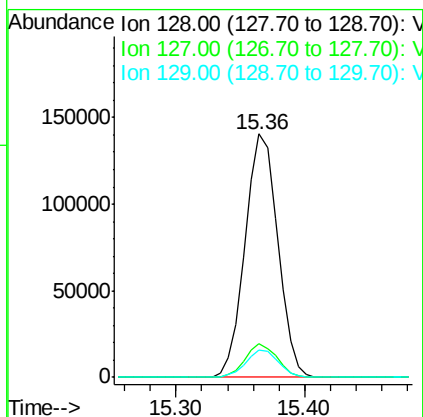
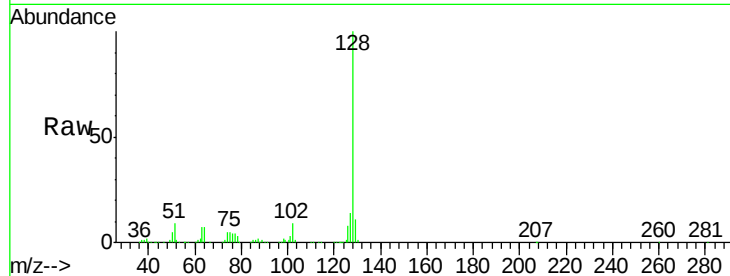
#95
Naphthalene
Concen: 54.392 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	246407		
127	13.5	10.7	16.1	
129	11.1	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 56.520 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012464.D
Acq: 01 Sep 2019 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	112981		
182	94.7	47.1	141.3	
145	31.4	16.2	48.5	

