

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012243.D
 Acq On : 28 Aug 2019 10:13
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:41:51 AM

Quant Time: Aug 28 17:27:53 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	270355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	366721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	152385	47.41	ug/l	0.00
Spiked Amount						
			Recovery	=	94.82%	
35) Dibromofluoromethane	7.88	113	127151	49.62	ug/l	0.00
Spiked Amount						
			Recovery	=	99.24%	
50) Toluene-d8	10.32	98	523835	50.42	ug/l	0.00
Spiked Amount						
			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.62	95	184990	50.51	ug/l	0.00
Spiked Amount						
			Recovery	=	101.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	87056	52.296	ug/l	99
3) Chloromethane	2.21	50	132900	51.530	ug/l	97
4) Vinyl Chloride	2.36	62	169993	53.852	ug/l	98
5) Bromomethane	2.78	94	90148	56.389	ug/l	98
6) Chloroethane	2.92	64	97579	54.797	ug/l	95
7) Trichlorofluoromethane	3.26	101	92223	58.183	ug/l	99
8) Diethyl Ether	3.68	74	77601	51.579	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	141198	52.407	ug/l	98
10) Methyl Iodide	4.27	142	200384	54.969	ug/l	99
11) Tert butyl alcohol	5.15	59	47131	243.686	ug/l	98
12) 1,1-Dichloroethene	4.04	96	145520	53.662	ug/l	97
13) Acrolein	3.89	56	38267	210.190	ug/l	96
14) Allyl chloride	4.67	41	320285	55.246	ug/l	99
15) Acrylonitrile	5.36	53	184507	247.417	ug/l	100
16) Acetone	4.11	43	197265	240.119	ug/l	97
17) Carbon Disulfide	4.38	76	438776	53.538	ug/l	100
18) Methyl Acetate	4.67	43	95398	46.884	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	231680	52.830	ug/l	98
20) Methylene Chloride	4.91	84	154476	49.739	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	153766	52.877	ug/l	97
22) Diisopropyl ether	6.31	45	569646	53.010	ug/l	96
23) Vinyl Acetate	6.25	43	1733028	262.053	ug/l	100
24) 1,1-Dichloroethane	6.21	63	307572	52.567	ug/l	99
25) 2-Butanone	7.16	43	272344	243.956	ug/l	99
26) 2,2-Dichloropropane	7.16	77	182287	55.043	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	165847	53.380	ug/l	99
28) Bromochloromethane	7.51	49	124907	48.980	ug/l	98
29) Tetrahydrofuran	7.52	42	165899	247.695	ug/l	99
30) Chloroform	7.67	83	276636	51.678	ug/l	99
31) Cyclohexane	7.95	56	290877	50.248	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	224192	52.942	ug/l	99
36) 1,1-Dichloropropene	8.08	75	236510	53.315	ug/l	99
37) Ethyl Acetate	7.24	43	116992	48.127	ug/l	98
38) Carbon Tetrachloride	8.07	117	204243	53.195	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	269418	54.061	ug/l	99
40) Benzene	8.32	78	641359	52.948	ug/l	99
41) Methacrylonitrile	7.48	41	67674	47.367	ug/l	92
42) 1,2-Dichloroethane	8.40	62	192984	50.834	ug/l	99
43) Isopropyl Acetate	8.42	43	228075	50.652	ug/l	99
44) Trichloroethene	9.09	130	156830	53.260	ug/l	98
45) 1,2-Dichloropropane	9.37	63	172023	52.768	ug/l	98
46) Dibromomethane	9.46	93	74373	51.275	ug/l	99
47) Bromodichloromethane	9.64	83	202598	52.482	ug/l	99
48) Methyl methacrylate	9.43	41	109556	51.120	ug/l	98
49) 1,4-Dioxane	9.45	88	19786	891.064	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	569974	248.868	ug/l	99
52) Toluene	10.38	92	392545	53.944	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	214972	54.670	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	258053	54.351	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	105142	51.234	ug/l	98
56) Ethyl methacrylate	10.64	69	161167	53.959	ug/l	97
57) 1,3-Dichloropropane	10.93	76	200463	51.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	387007	252.467	ug/l	99
59) 2-Hexanone	10.96	43	407218	251.290	ug/l	99
60) Dibromochloromethane	11.13	129	118977	52.050	ug/l	98
61) 1,2-Dibromoethane	11.23	107	100842	52.744	ug/l	99
64) Tetrachloroethene	10.86	164	127359	53.567	ug/l	99
65) Chlorobenzene	11.65	112	389652	53.961	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	135005	53.592	ug/l	99
67) Ethyl Benzene	11.73	91	765925	55.062	ug/l	98
68) m/p-Xylenes	11.83	106	551556	110.078	ug/l	98
69) o-Xylene	12.16	106	258238	55.685	ug/l	99
70) Styrene	12.18	104	444328	55.354	ug/l	100
71) Bromoform	12.35	173	66724	53.162	ug/l #	99
73) Isopropylbenzene	12.46	105	723488	55.291	ug/l	99
74) N-amyl acetate	12.27	43	213048	53.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121982	50.850	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	101736m	59.819	ug/l	
77) Bromobenzene	12.74	156	153844	54.346	ug/l	98
78) n-propylbenzene	12.80	91	881932	55.210	ug/l	99
79) 2-Chlorotoluene	12.89	91	492407	54.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	607938	55.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42204	54.408	ug/l	97
82) 4-Chlorotoluene	12.99	91	517767	54.524	ug/l	100
83) tert-Butylbenzene	13.21	119	522551	56.420	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	603654	54.961	ug/l	99
85) sec-Butylbenzene	13.38	105	739322	55.717	ug/l	100
86) p-Isopropyltoluene	13.50	119	671138	56.635	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	300075	54.195	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	296004	53.840	ug/l	100
89) n-Butylbenzene	13.82	91	676411	57.399	ug/l	100
90) Hexachloroethane	14.09	117	116162	55.872	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	263810	54.311	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20625	51.000	ug/l	98

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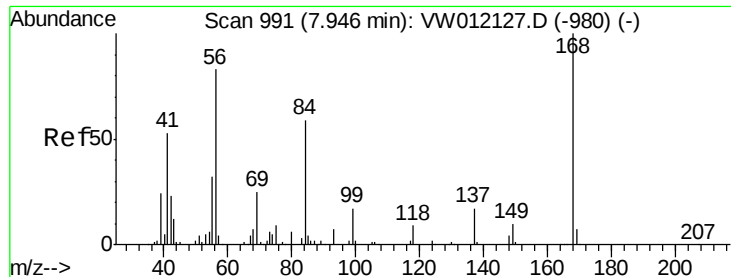
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	194992	58.090	ug/l	100
94) Hexachlorobutadiene	15.24	225	126163	56.921	ug/l	99
95) Naphthalene	15.36	128	350461	52.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	170169	58.105	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 270355

Ion Ratio Lower Upper

168 100

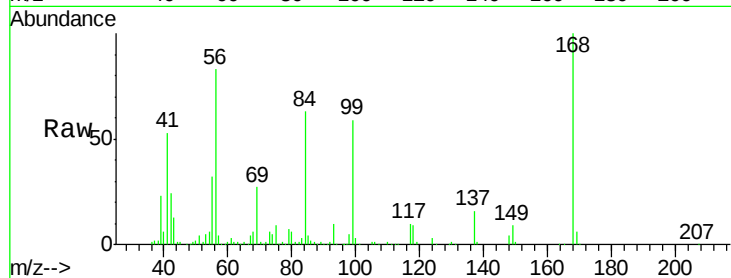
99 58.7 49.2 73.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

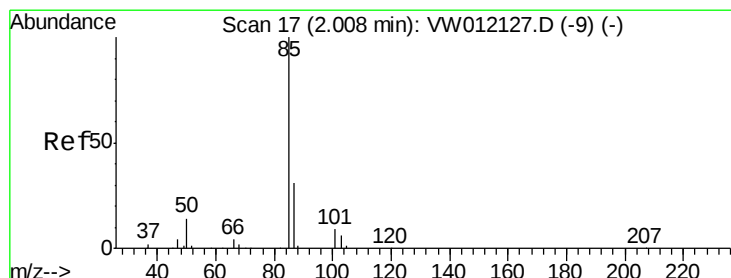
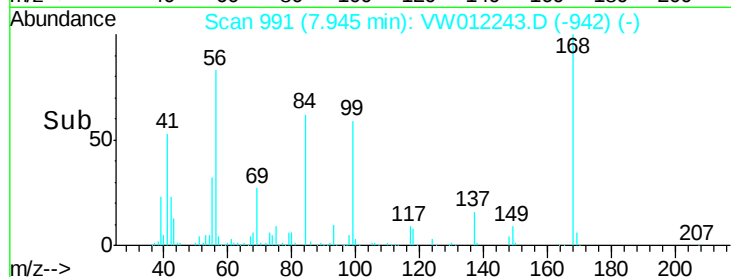
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 52.296 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012243.D

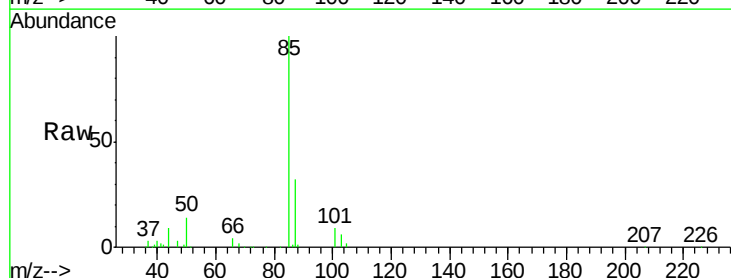
Acq: 28 Aug 2019 10:13

Tgt Ion: 85 Resp: 87056

Ion Ratio Lower Upper

85 100

87 31.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

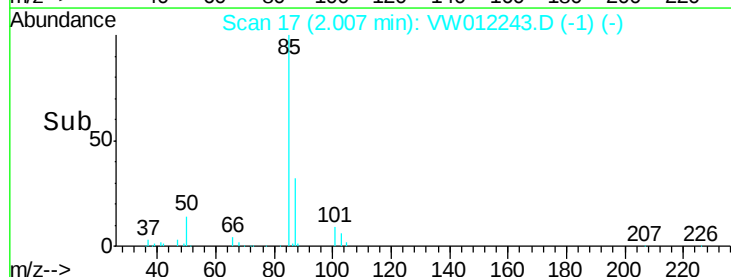
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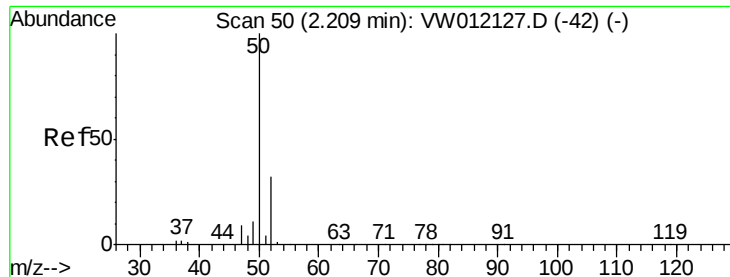
20000

10000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 51.530 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 132900

Ion Ratio Lower Upper

50 100

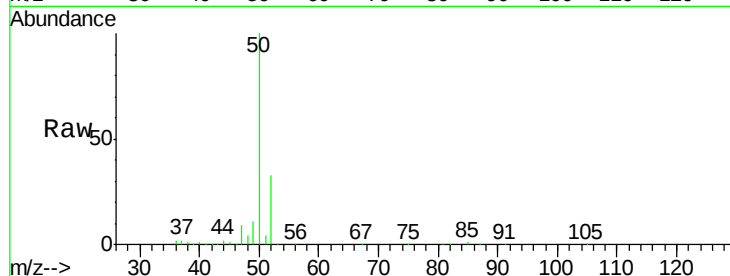
52 33.4 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

100000

80000

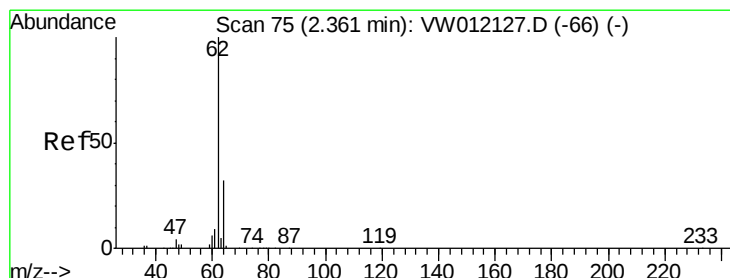
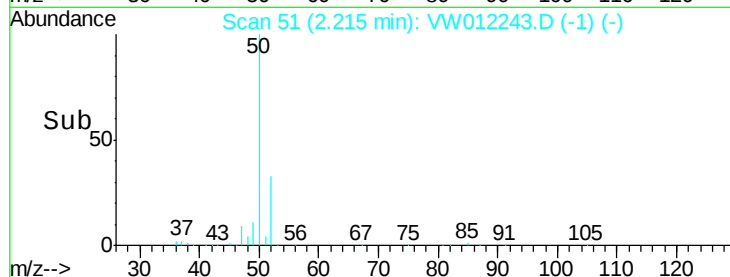
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 53.852 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012243.D

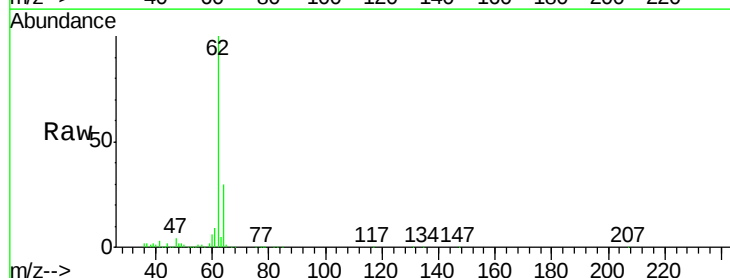
Acq: 28 Aug 2019 10:13

Tgt Ion: 62 Resp: 169993

Ion Ratio Lower Upper

62 100

64 30.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

100000

80000

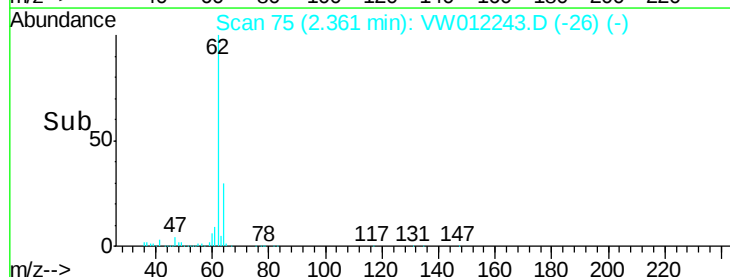
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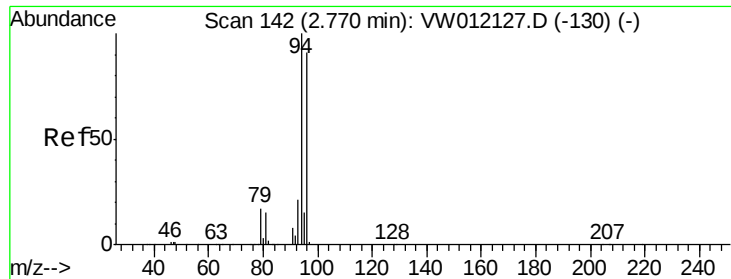
40000

20000

0

Time-->





#5

Bromomethane

Concen: 56.389 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 90148

Ion Ratio Lower Upper

94 100

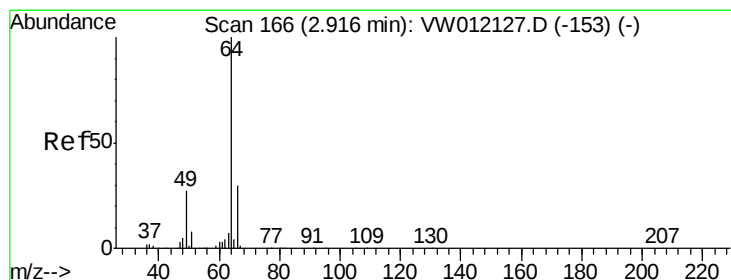
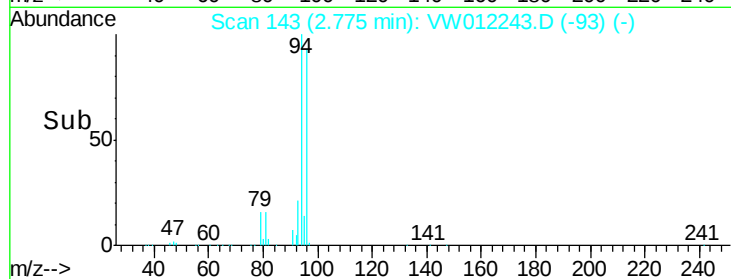
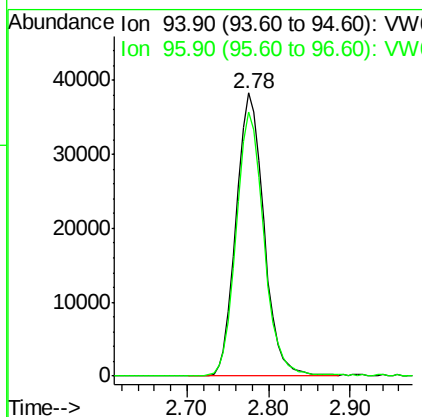
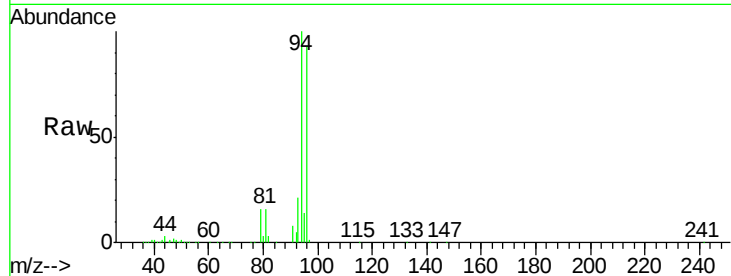
96 93.2 72.9 109.3

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8/29/2019 9:41:51 AM



#6

Chloroethane

Concen: 54.797 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012243.D

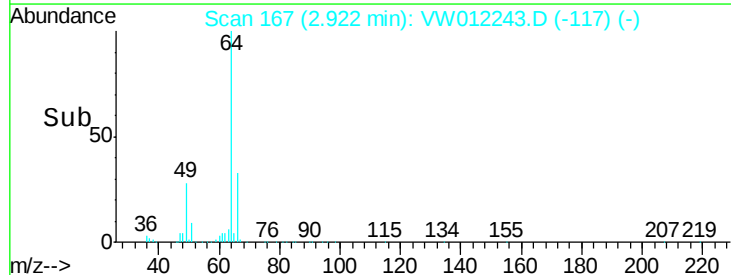
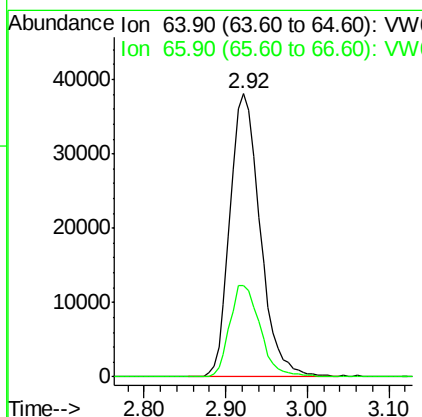
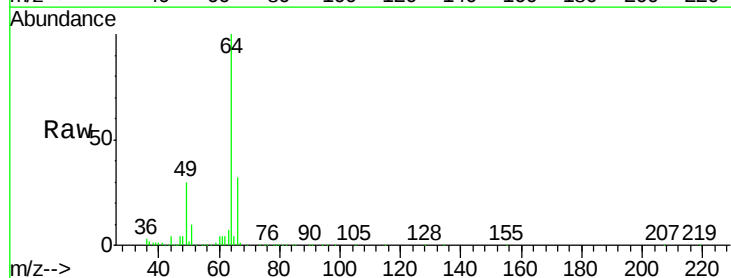
Acq: 28 Aug 2019 10:13

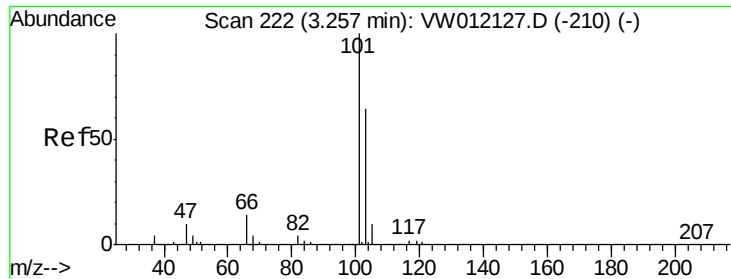
Tgt Ion: 64 Resp: 97579

Ion Ratio Lower Upper

64 100

66 32.5 23.8 35.8





#7

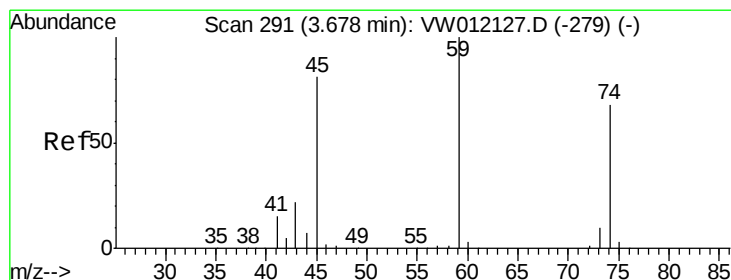
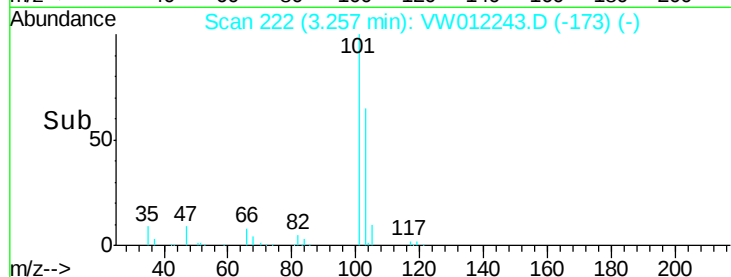
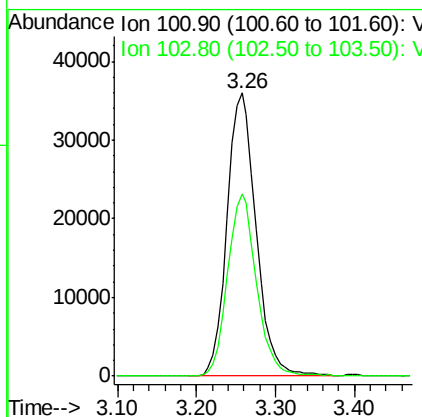
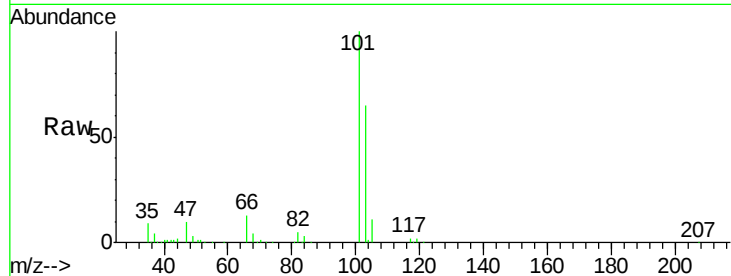
Trichlorofluoromethane
Concen: 58.183 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.2	76.8

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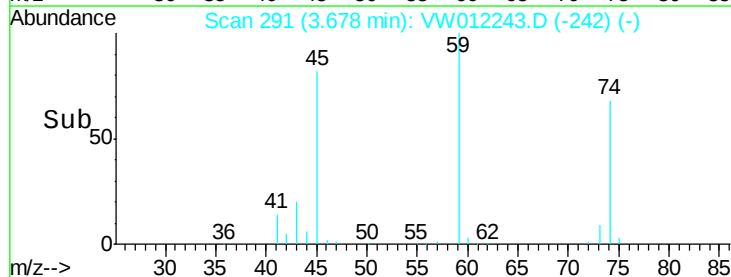
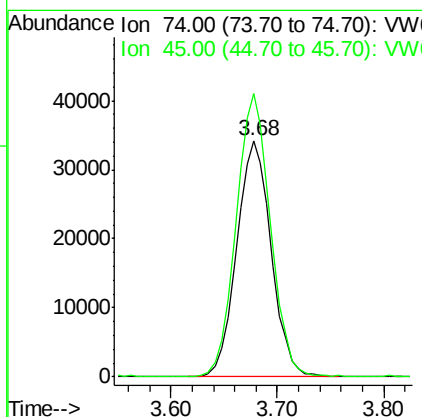
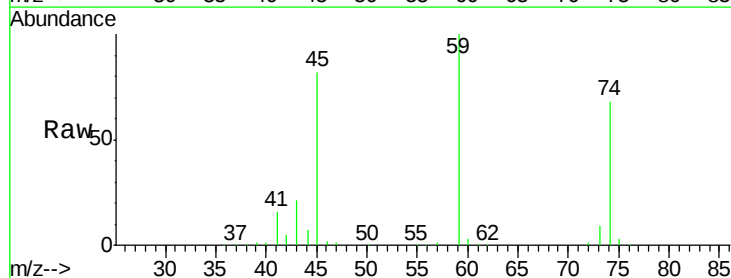
MMDadoda
8/29/2019 9:41:51 AM

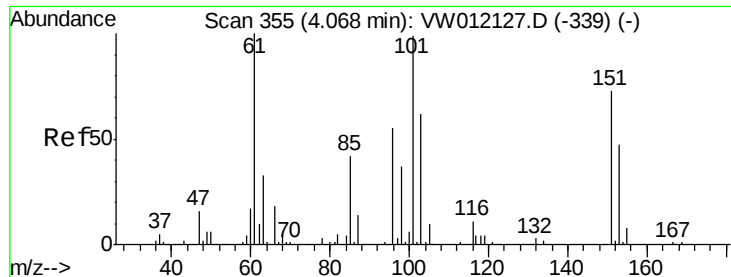


#8

Diethyl Ether
Concen: 51.579 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.5	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.407 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

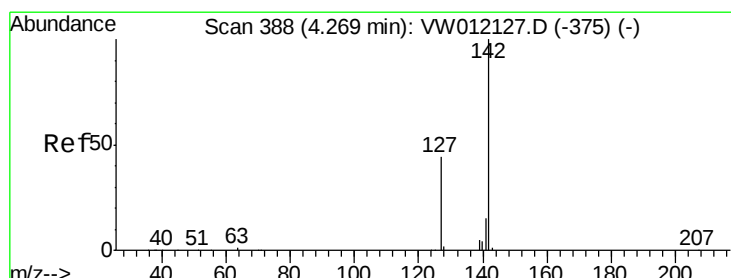
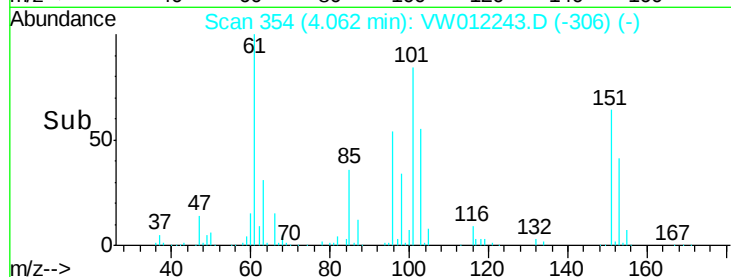
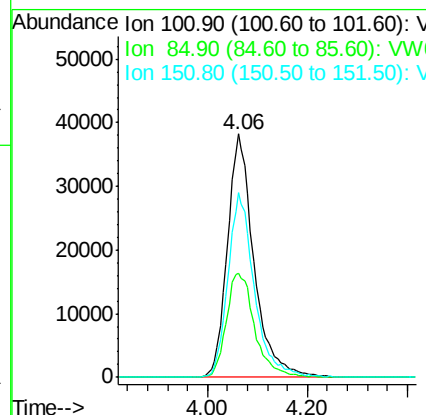
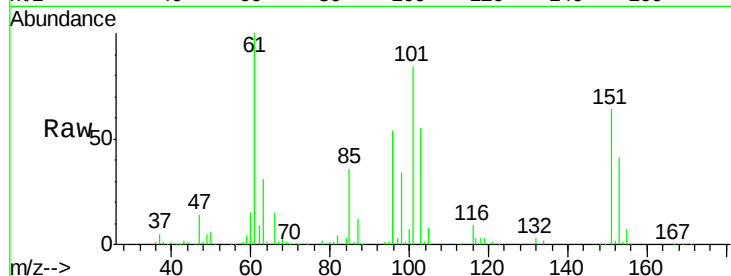
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	141198
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.8	53.6
151	75.4	58.6	87.8

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8/29/2019 9:41:51 AM



#10

Methyl Iodide

Concen: 54.969 ug/l

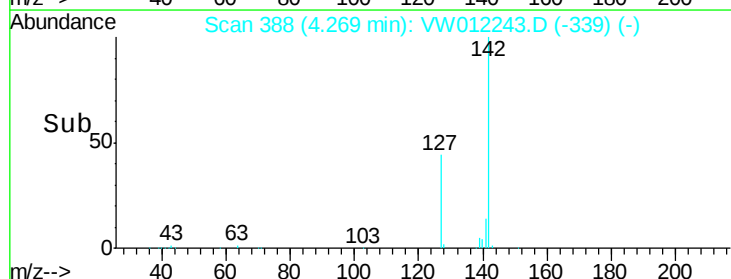
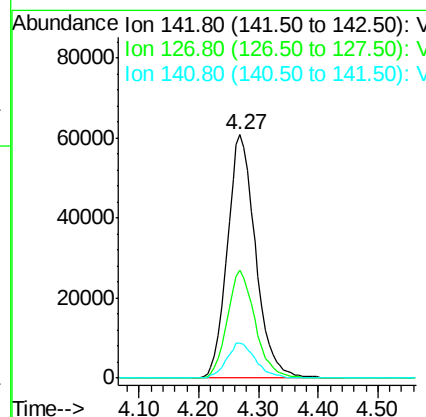
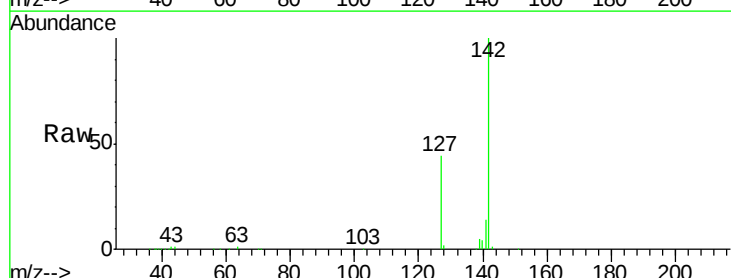
RT: 4.27 min Scan# 388

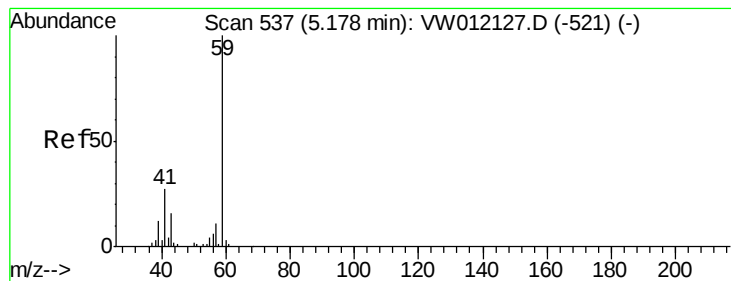
Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	142	Resp:	200384
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.5	53.3
141	14.8	11.8	17.8





#11

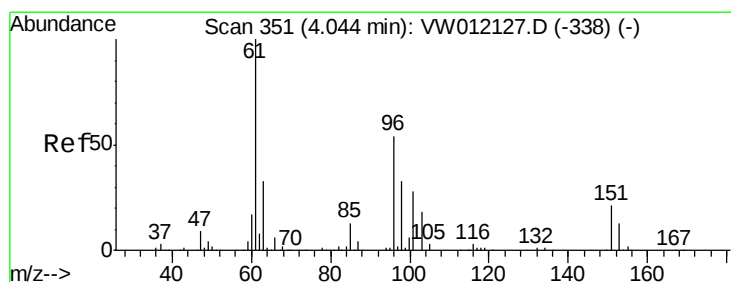
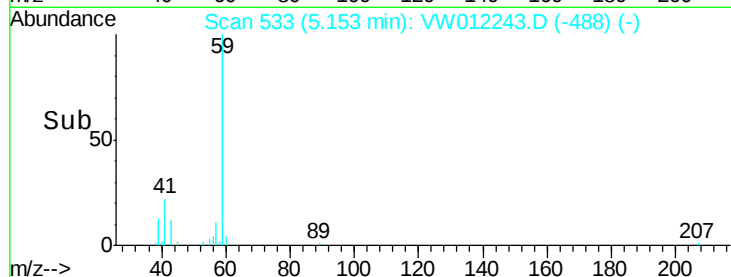
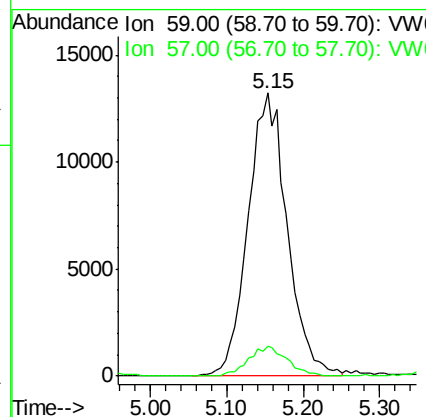
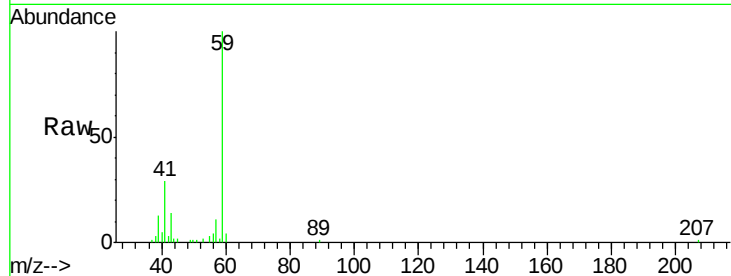
Tert butyl alcohol
Concen: 243.686 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.0	13.4

Manual Integrations
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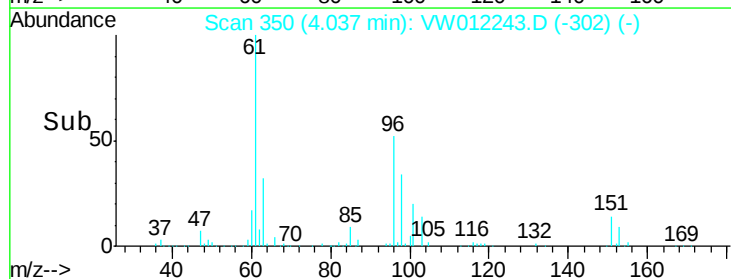
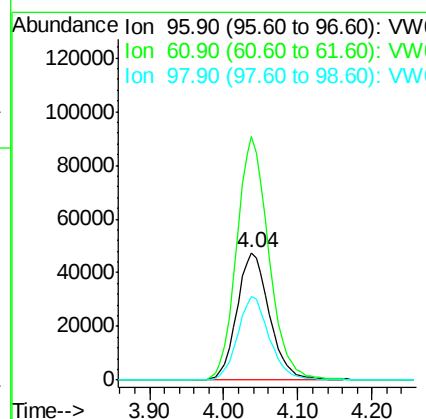
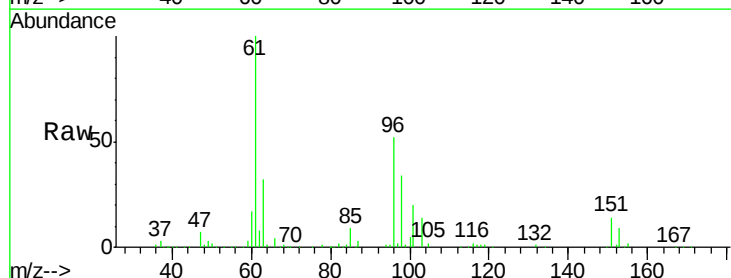
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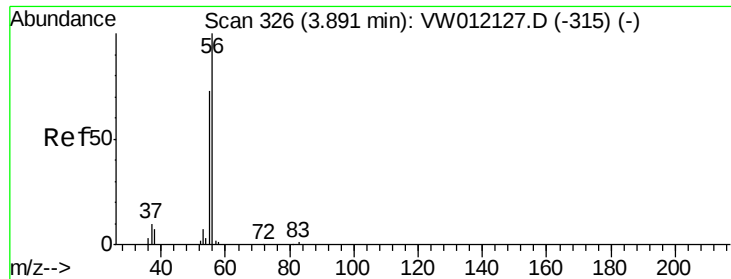


#12

1,1-Dichloroethene
Concen: 53.662 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.6	149.1	223.7
98	65.0	49.4	74.2





#13

Acrolein

Concen: 210.190 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 38267

Ion Ratio Lower Upper

56 100

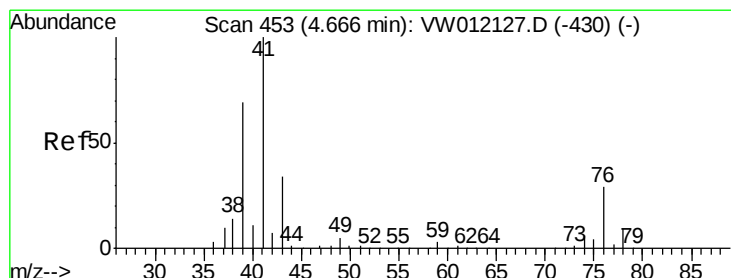
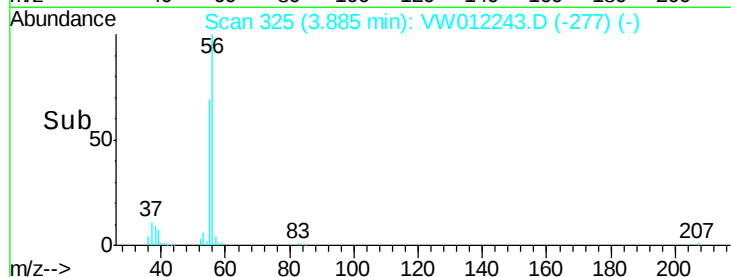
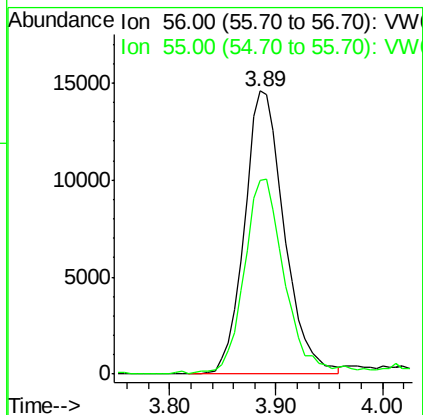
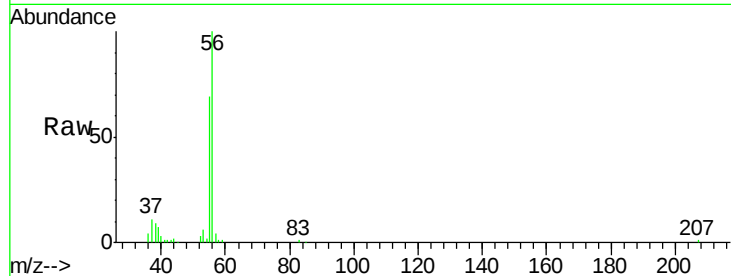
55 66.7 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 55.246 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

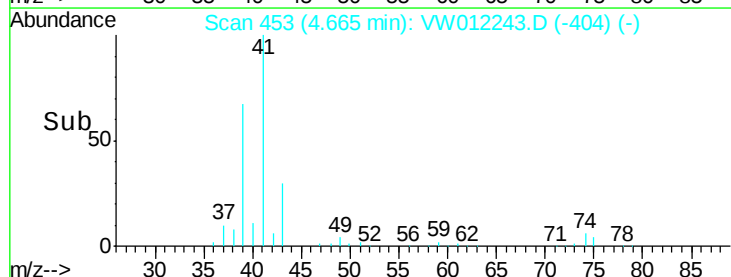
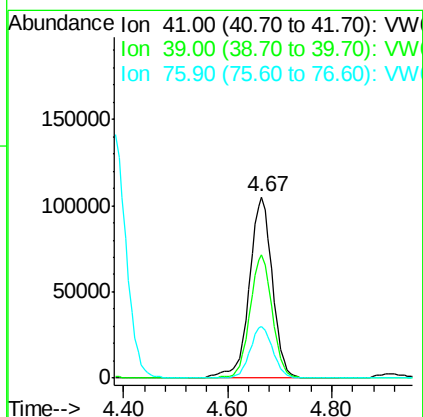
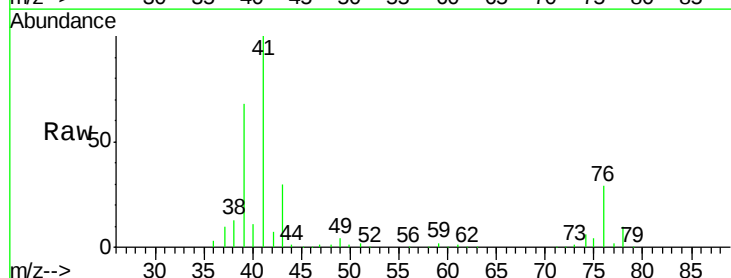
Tgt Ion: 41 Resp: 320285

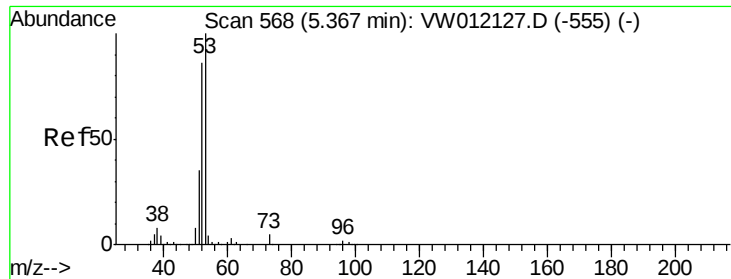
Ion Ratio Lower Upper

41 100

39 65.6 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 247.417 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

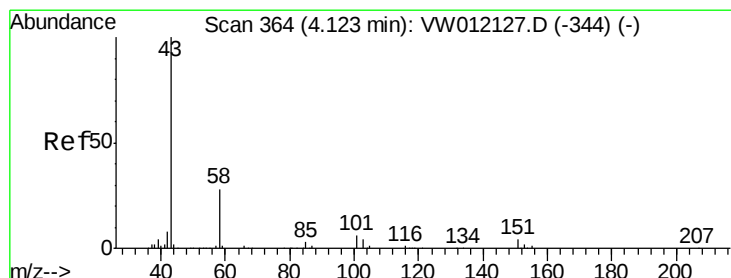
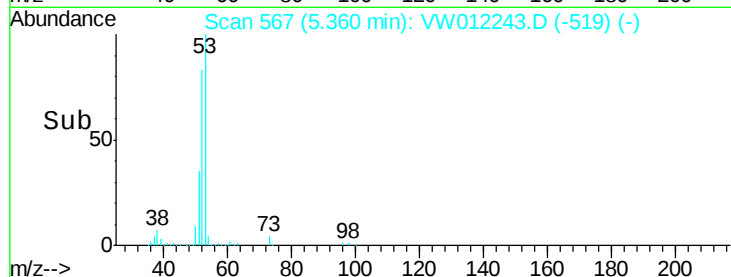
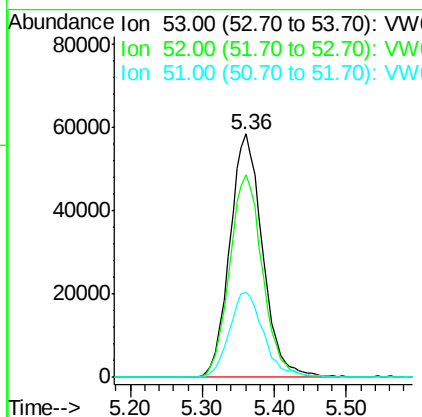
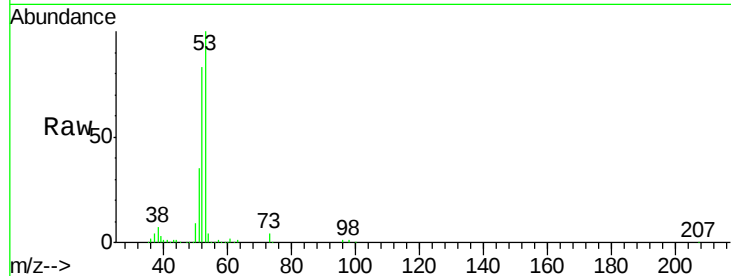
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	184507
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.7	100.1
51	36.8	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 240.119 ug/l

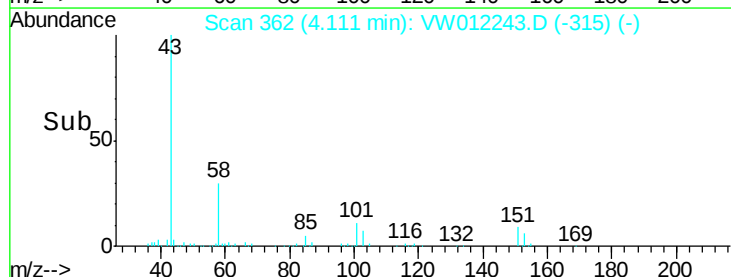
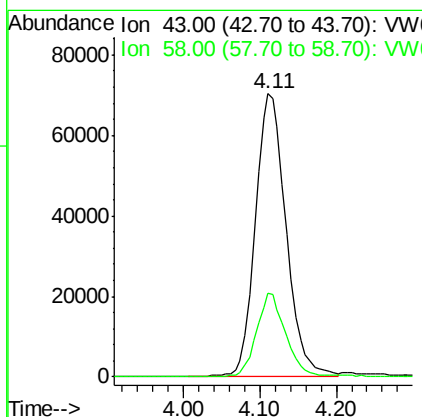
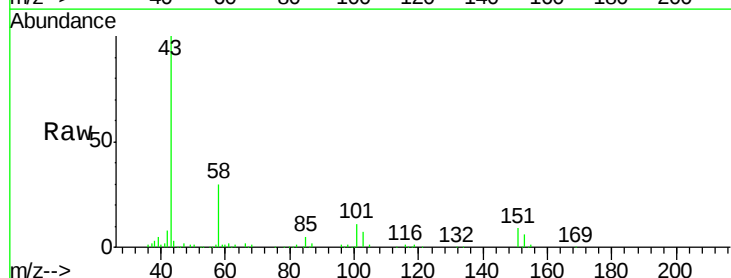
RT: 4.11 min Scan# 362

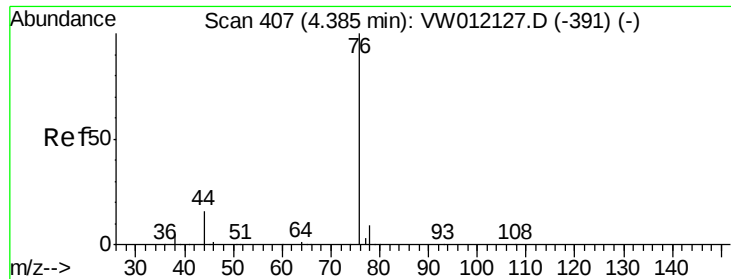
Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	43	Resp:	197265
Ion Ratio	Lower	Upper	
43	100		
58	29.6	22.4	33.6





#17

Carbon Disulfide

Concen: 53.538 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 438776

Ion Ratio Lower Upper

76 100

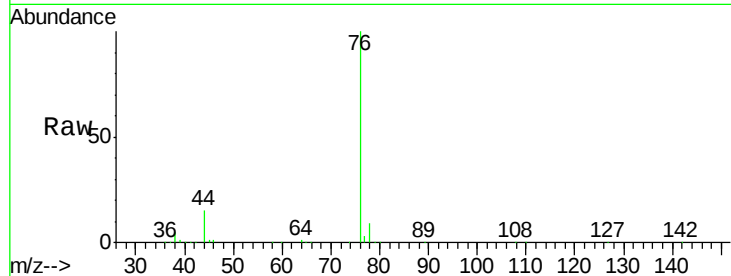
78 9.3 7.3 10.9

Manual Integrations

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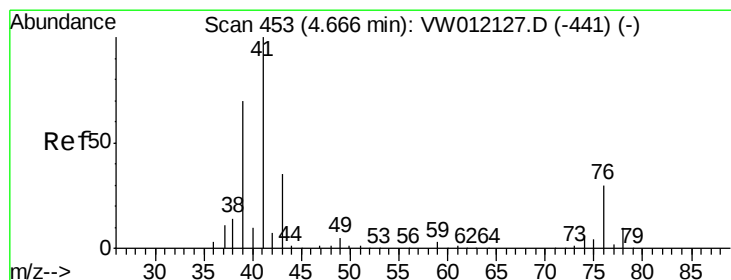
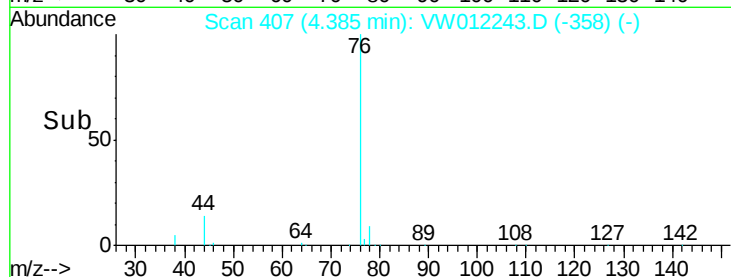
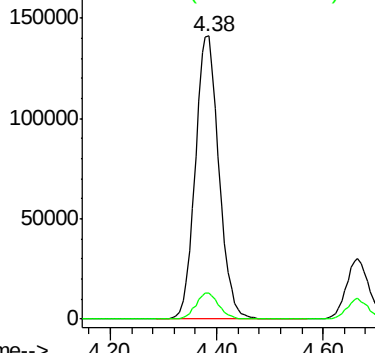
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 46.884 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012243.D

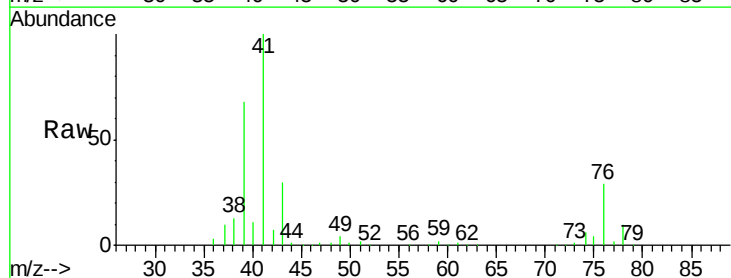
Acq: 28 Aug 2019 10:13

Tgt Ion: 43 Resp: 95398

Ion Ratio Lower Upper

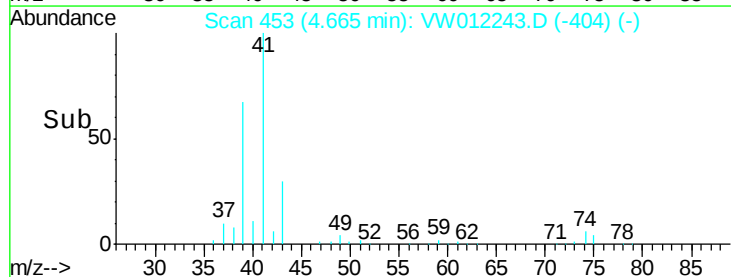
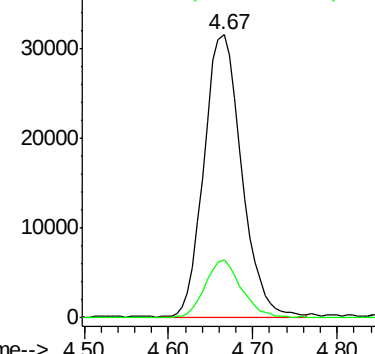
43 100

74 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





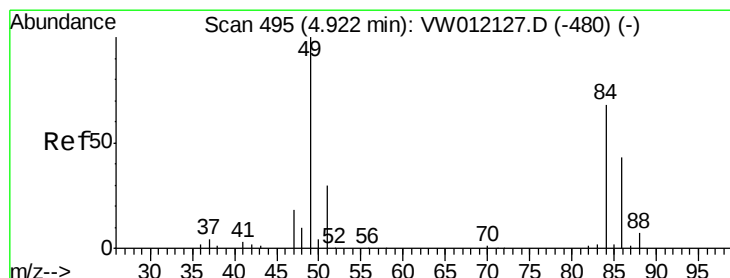
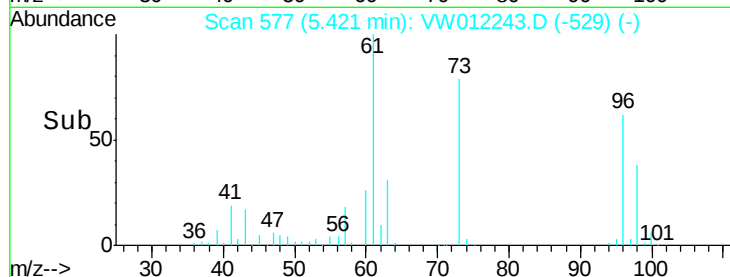
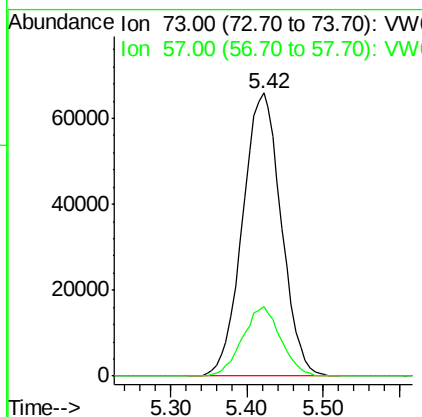
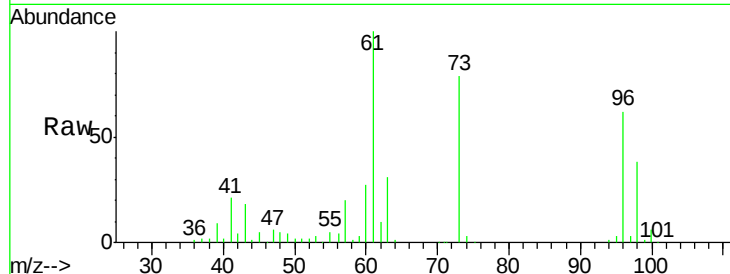
#19
Methvl tert-butvl Ether
Concen: 52.830 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 231680
Ion Ratio Lower Upper
73 100
57 24.7 18.9 28.3

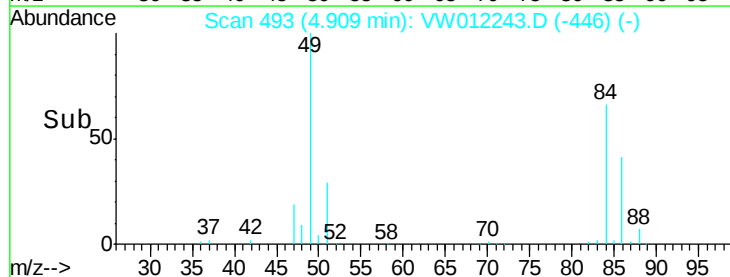
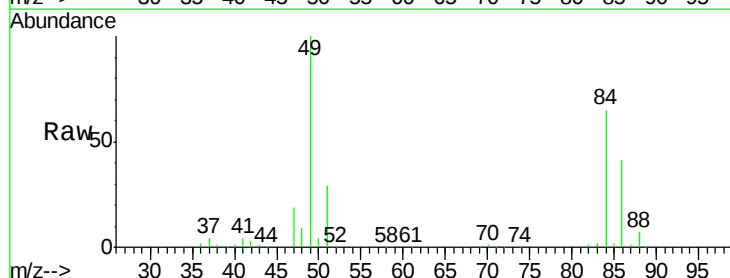
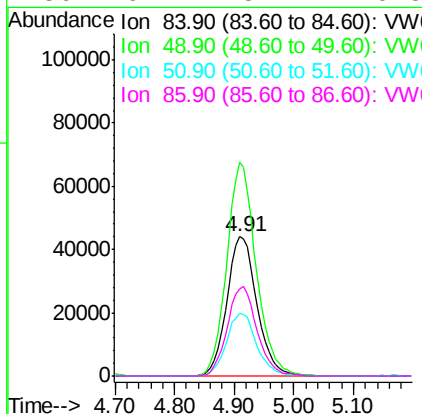
Manual Integrations
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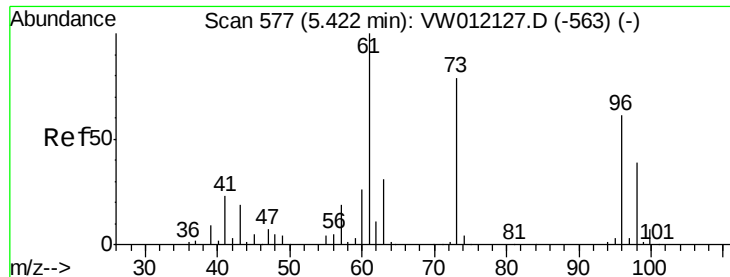
MMDadoda
8/29/2019 9:41:51 AM



#20
Methylene Chloride
Concen: 49.739 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion: 84 Resp: 154476
Ion Ratio Lower Upper
84 100
49 153.2 117.8 176.8
51 44.8 35.6 53.4
86 62.7 51.2 76.8





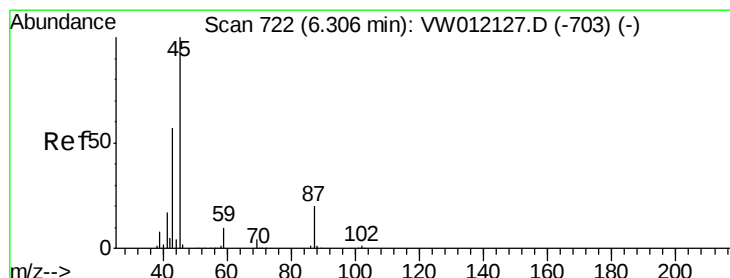
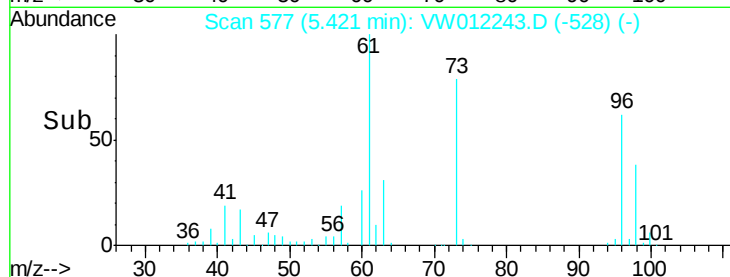
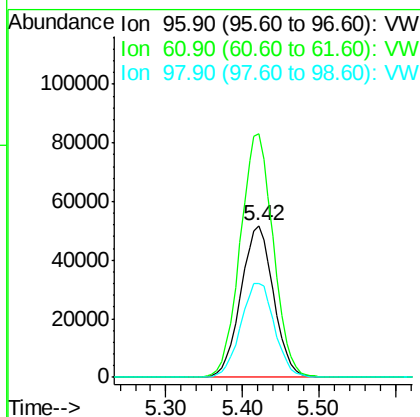
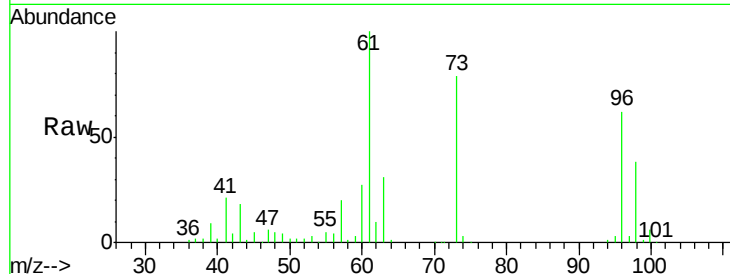
#21
trans-1,2-Dichloroethene
Concen: 52.877 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.5	131.4	197.0
98	61.7	51.4	77.0

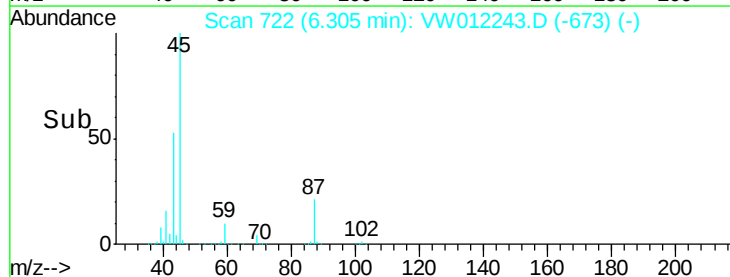
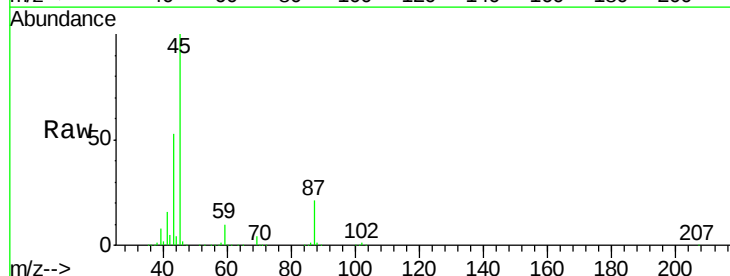
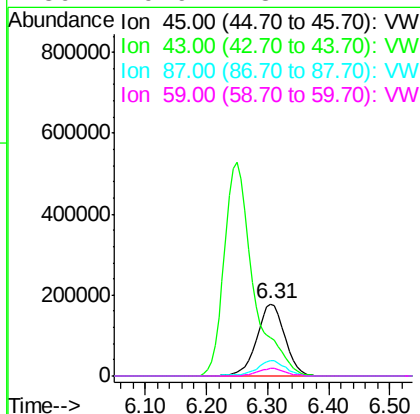
Manual Integrations
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#22
Diisopropyl ether
Concen: 53.010 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.2	45.5	68.3
87	21.1	16.1	24.1
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 262.053 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1733028

Ion Ratio Lower Upper

43 100

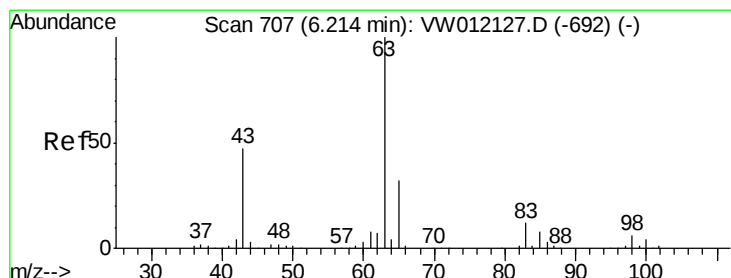
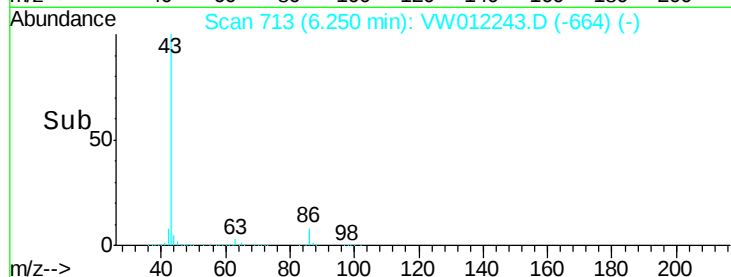
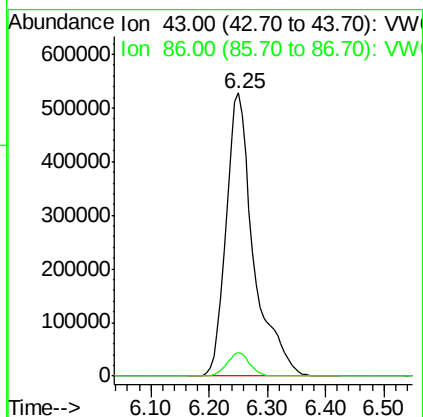
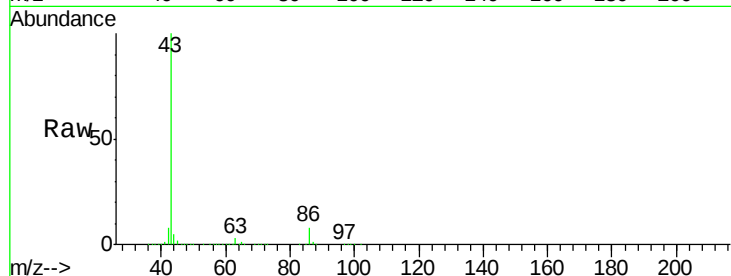
86 8.2 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.567 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

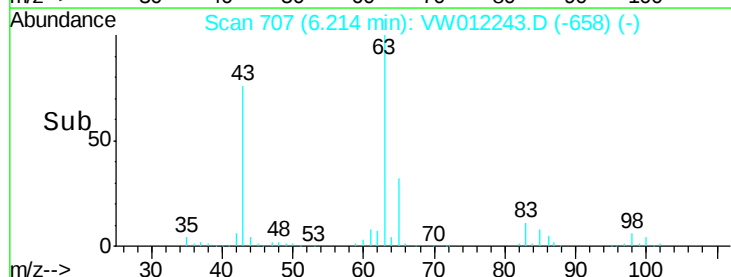
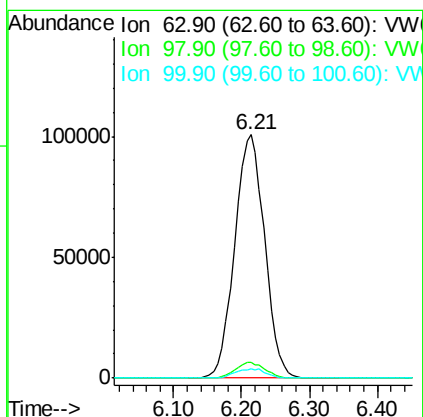
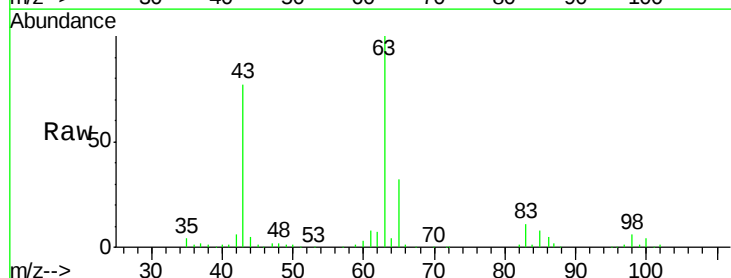
Tgt Ion: 63 Resp: 307572

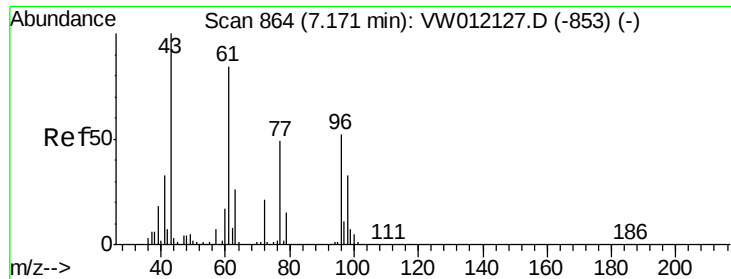
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 243.956 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 272344

Ion Ratio Lower Upper

43 100

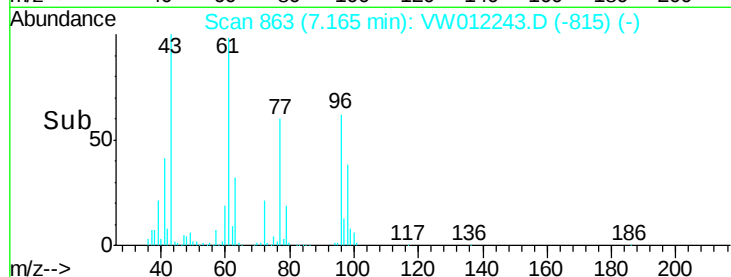
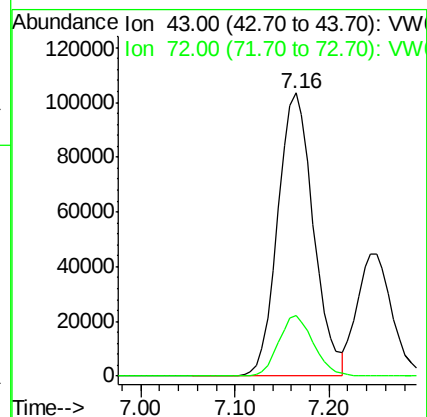
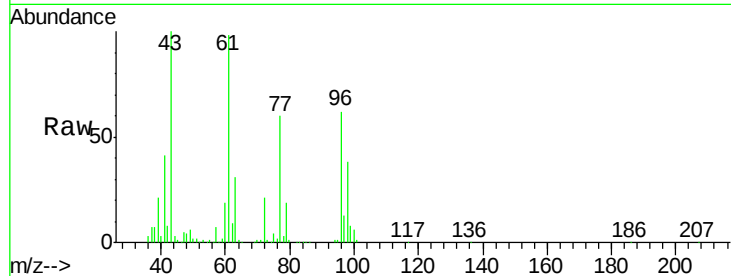
72 21.2 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 55.043 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012243.D

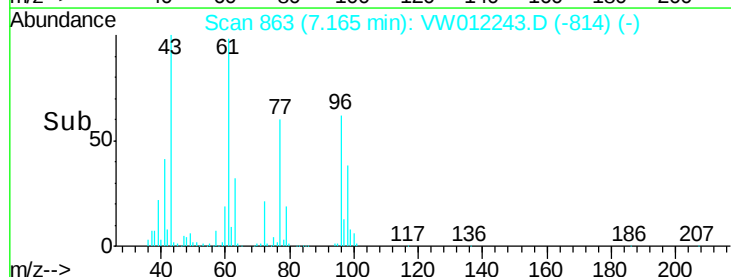
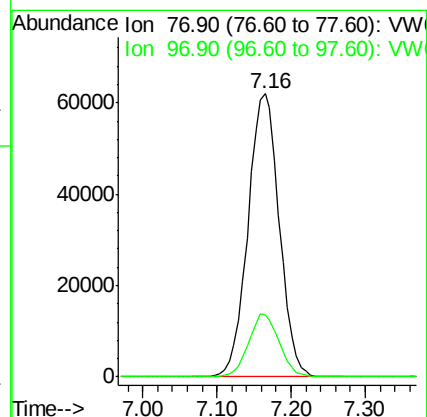
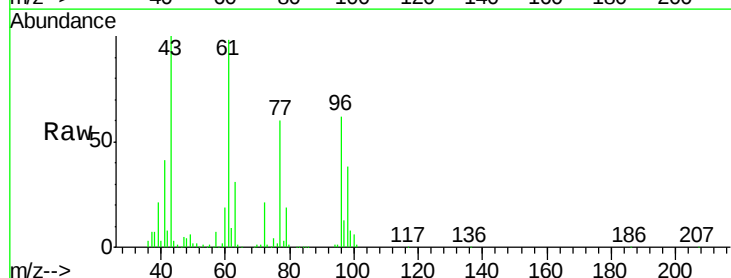
Acq: 28 Aug 2019 10:13

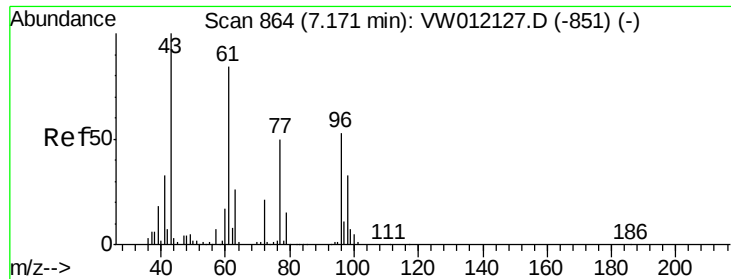
Tgt Ion: 77 Resp: 182287

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.1





#27

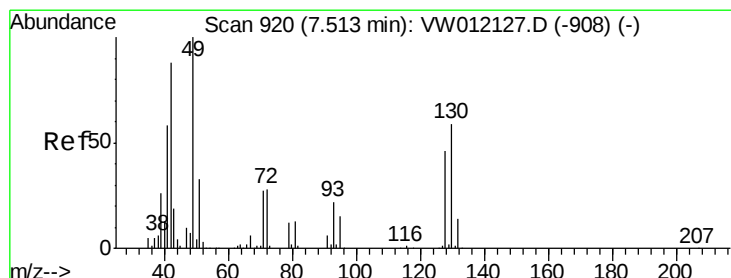
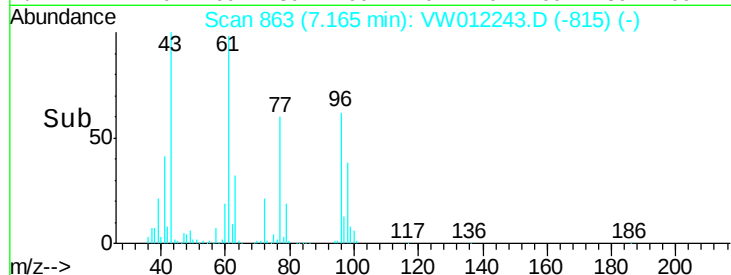
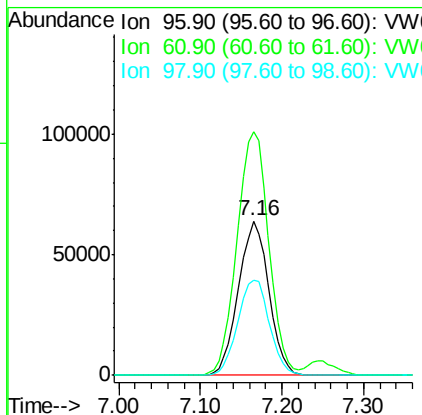
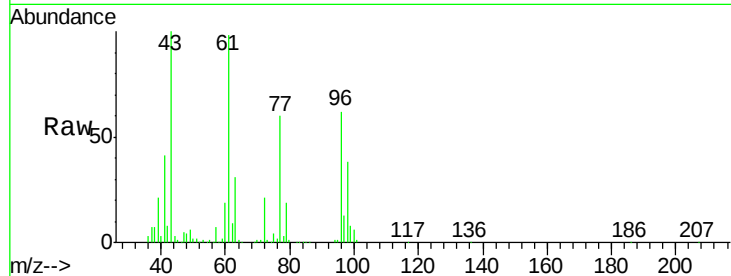
cis-1,2-Dichloroethene
Concen: 53.380 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165847		
61	164.4	0.0	326.6	
98	64.0	0.0	127.4	

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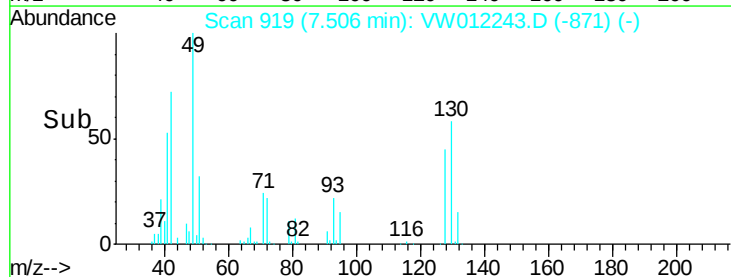
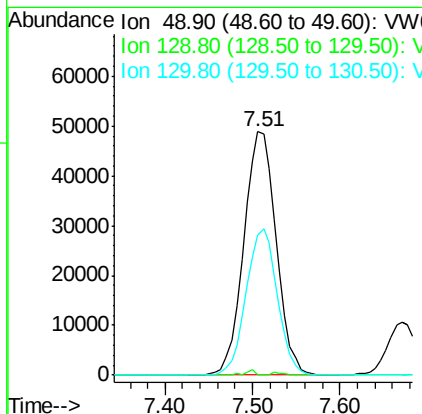
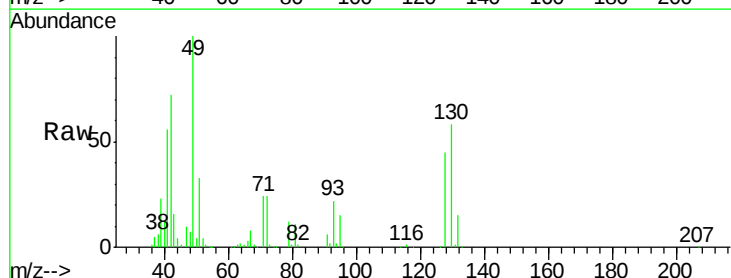
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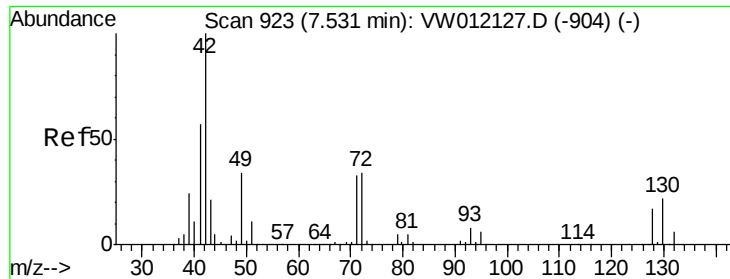


#28

Bromochloromethane
Concen: 48.980 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124907		
129	0.6	0.0	1.4	
130	58.3	45.5	68.3	





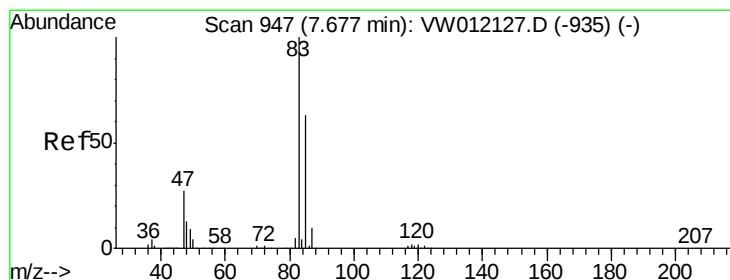
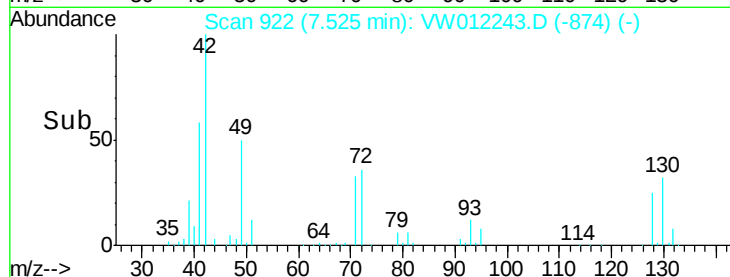
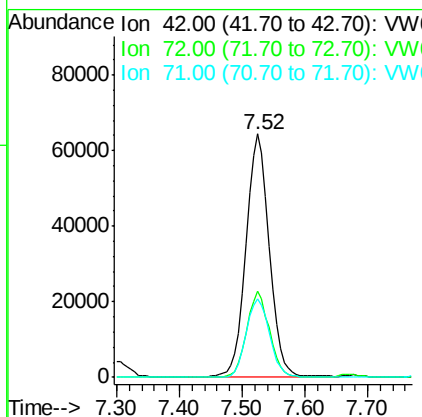
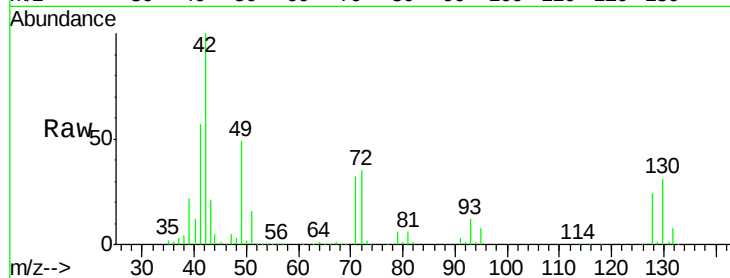
#29
Tetrahydrofuran
Concen: 247.695 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.2	27.3	40.9
71	32.4	25.5	38.3

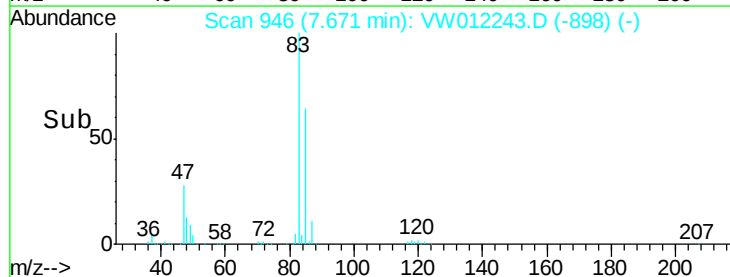
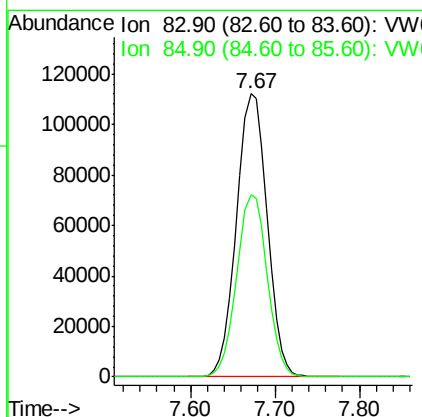
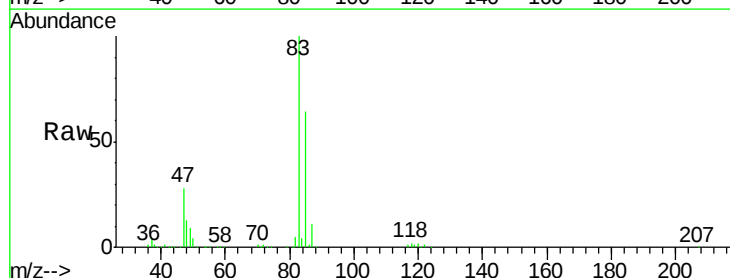
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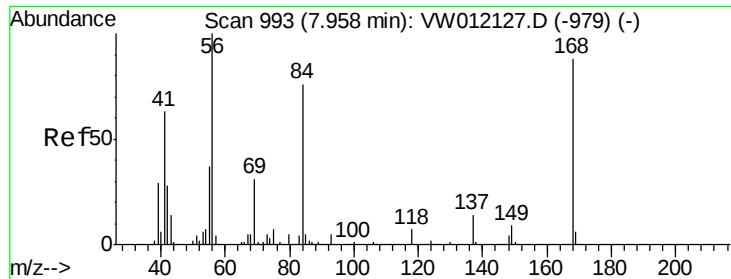
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#30
Chloroform
Concen: 51.678 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0





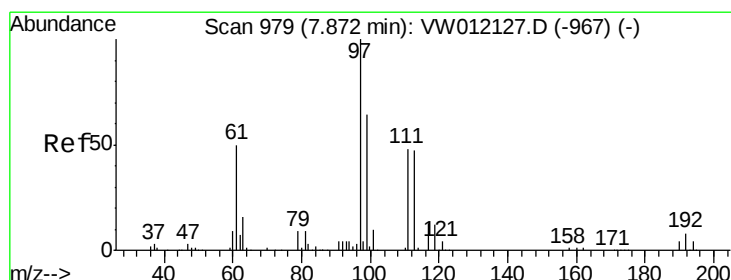
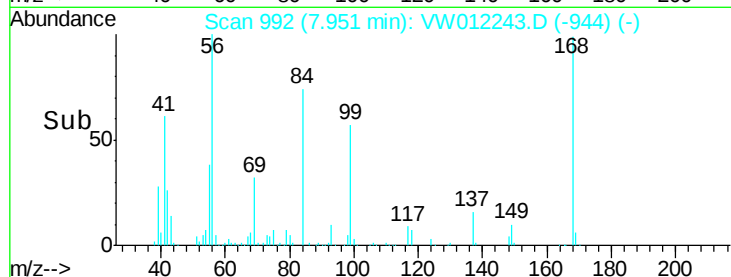
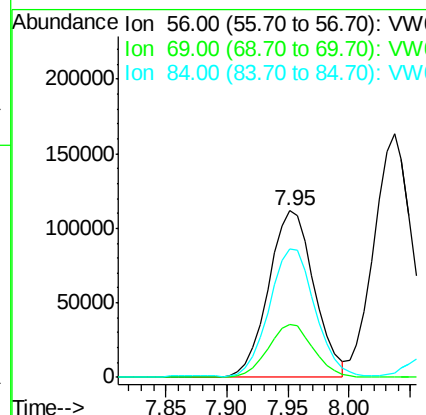
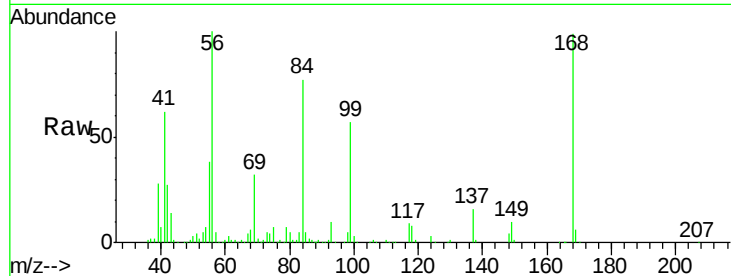
#31
Cyclohexane
Concen: 50.248 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	290877		
69	32.0		24.9	37.3
84	75.6		60.6	90.8

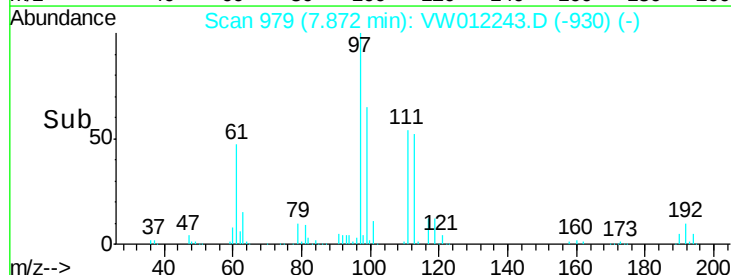
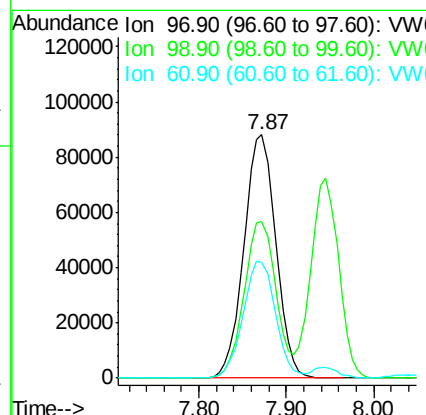
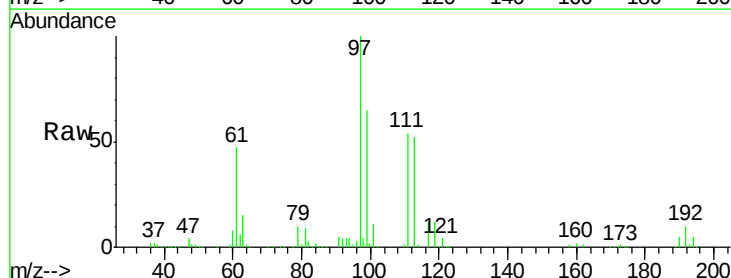
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#32
1,1,1-Trichloroethane
Concen: 52.942 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	224192		
99	64.9		51.4	77.0
61	48.6		39.5	59.3





#33

1,2-Dichloroethane-d4

Concen: 47.415 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 152385

Ion Ratio Lower Upper

65 100

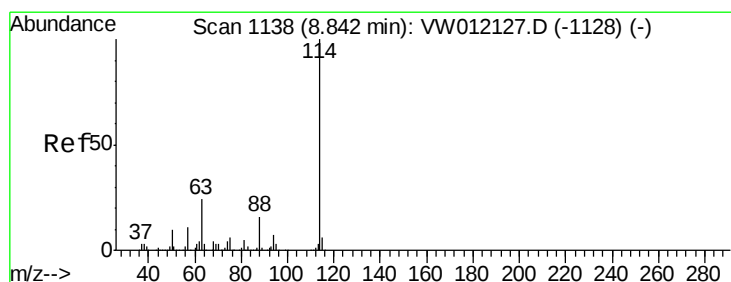
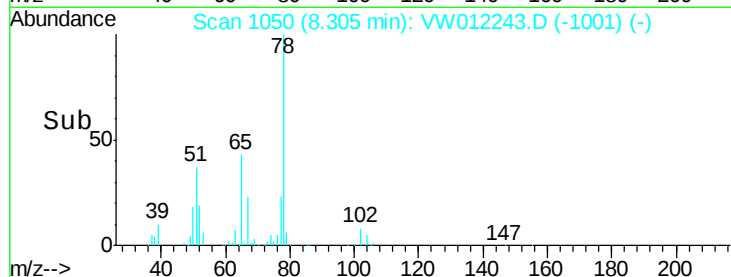
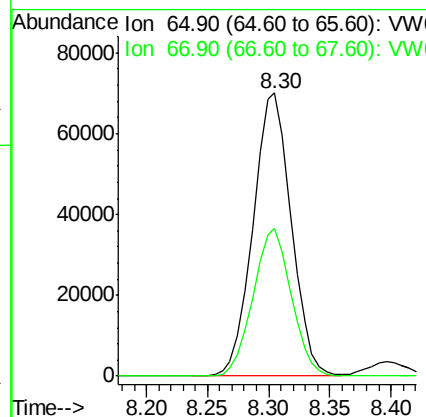
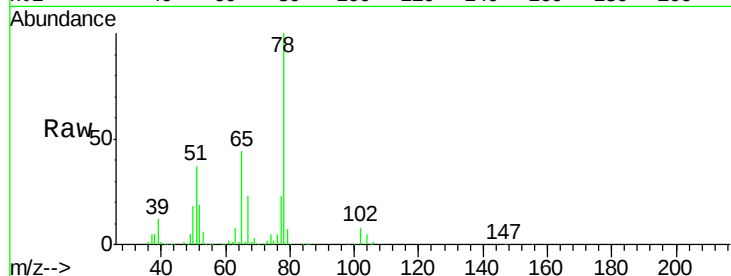
67 52.1 0.0 102.6

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8/29/2019 9:41:51 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

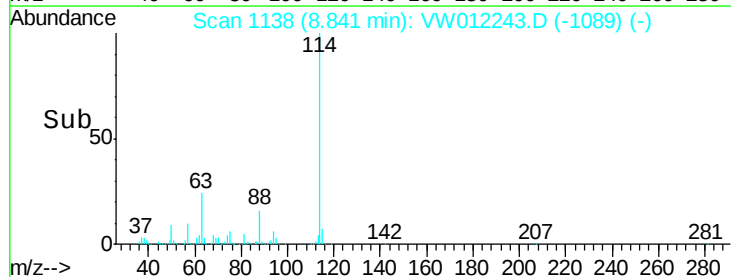
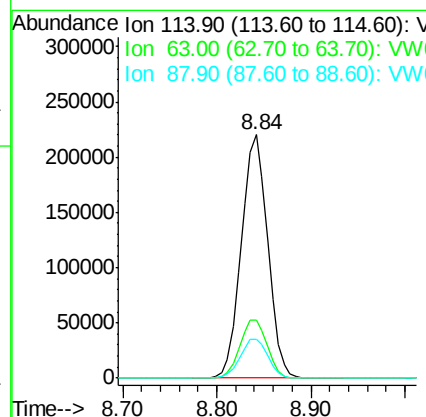
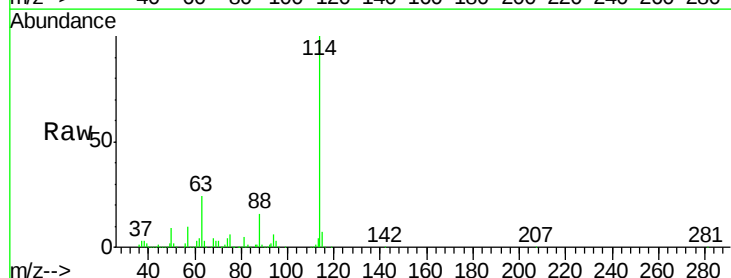
Tgt Ion: 114 Resp: 429277

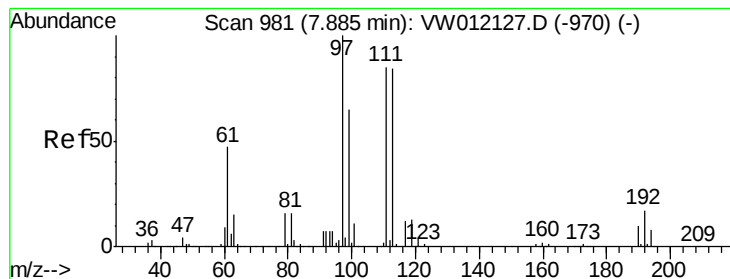
Ion Ratio Lower Upper

114 100

63 24.1 0.0 48.6

88 16.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.622 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

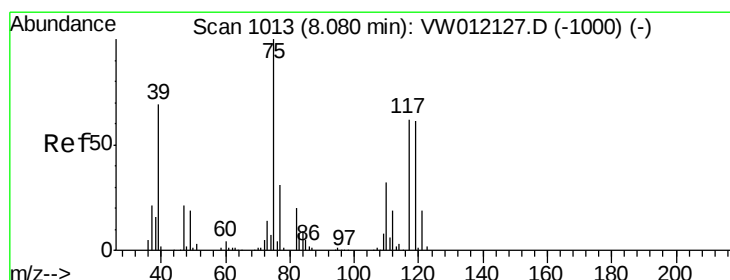
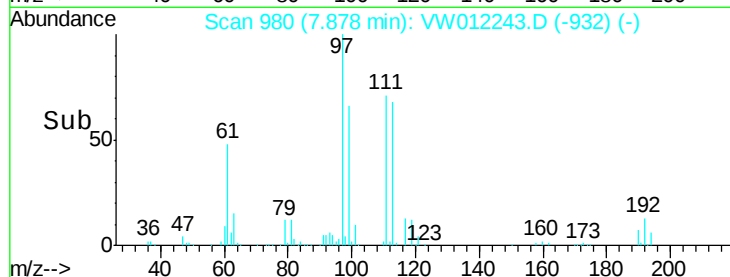
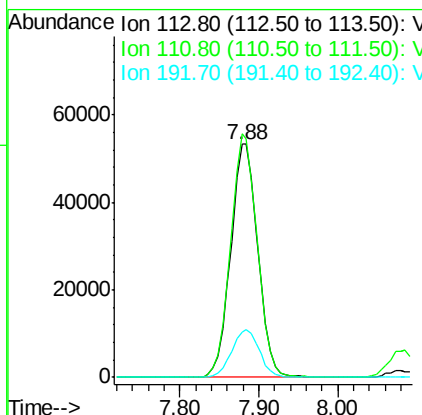
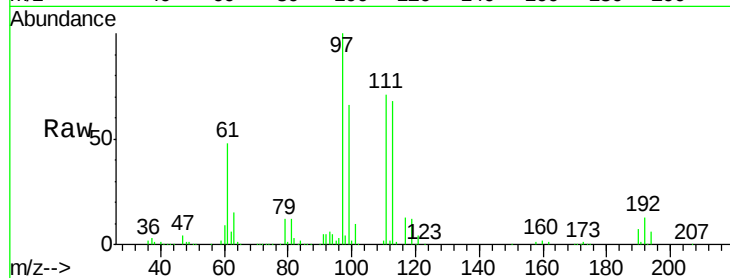
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	127151
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.7	124.1
192	20.7	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 53.315 ug/l

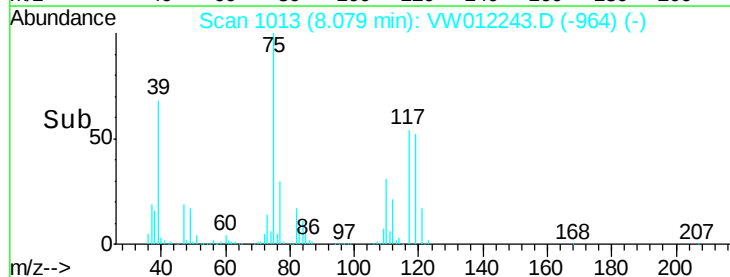
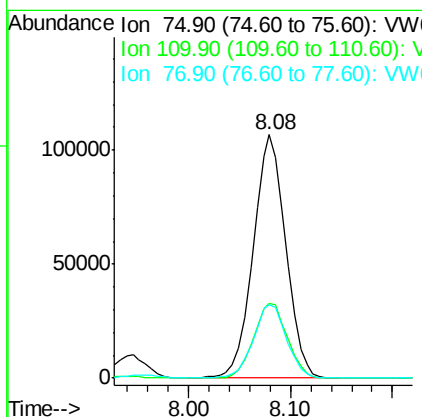
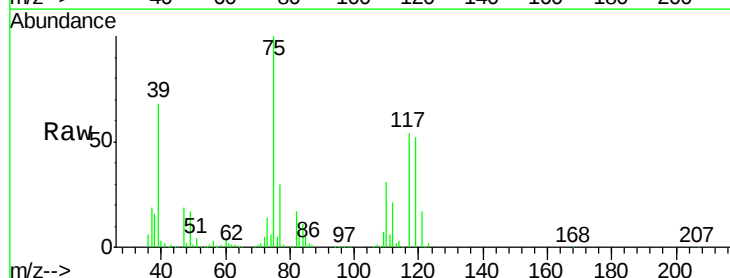
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	75	Resp:	236510
Ion Ratio	Lower	Upper	
75	100		
110	31.8	15.6	46.8
77	31.1	24.6	36.8





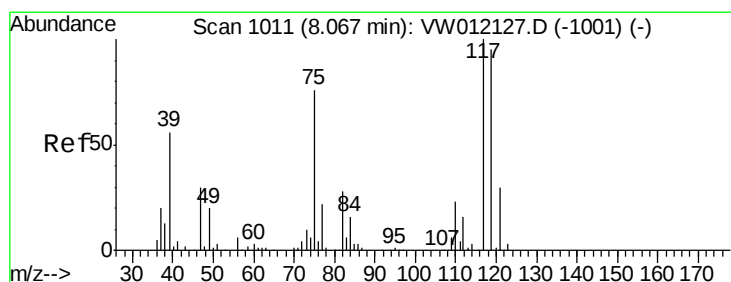
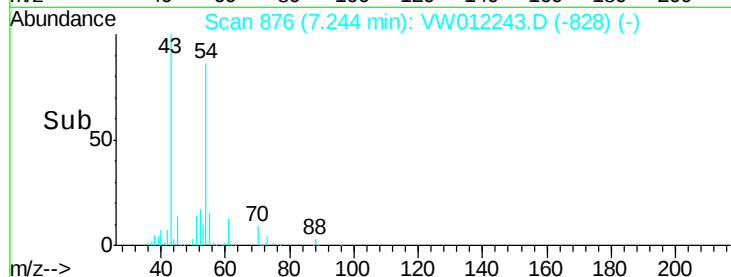
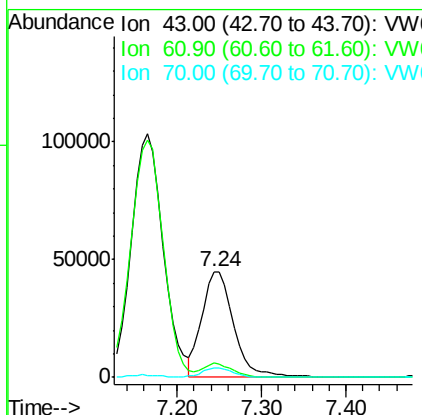
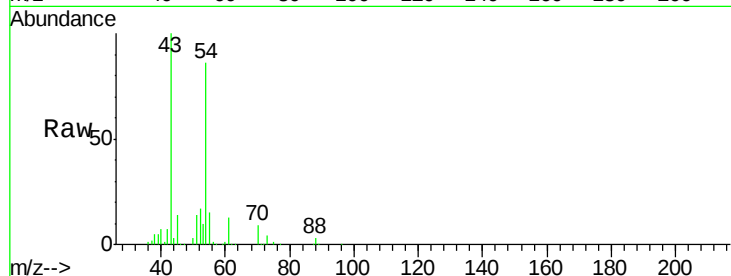
#37
Ethyl Acetate
Concen: 48.127 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	116992
Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.2	13.8
70	8.5	6.9	10.3

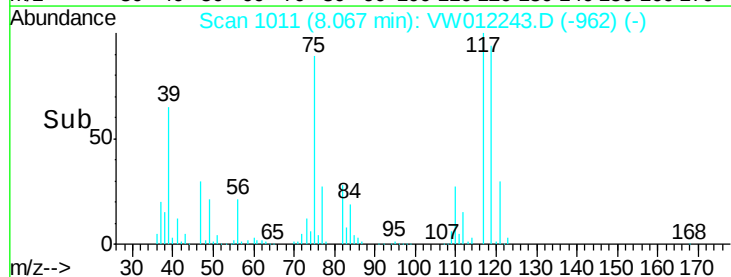
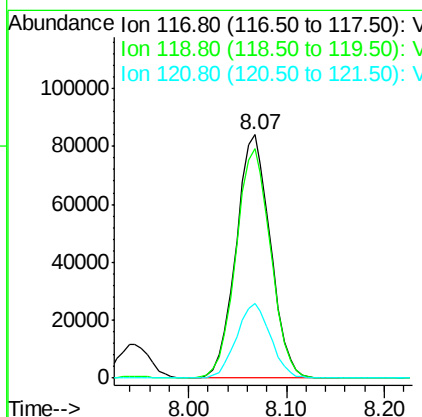
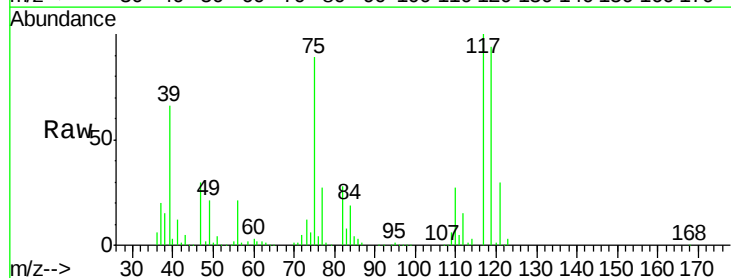
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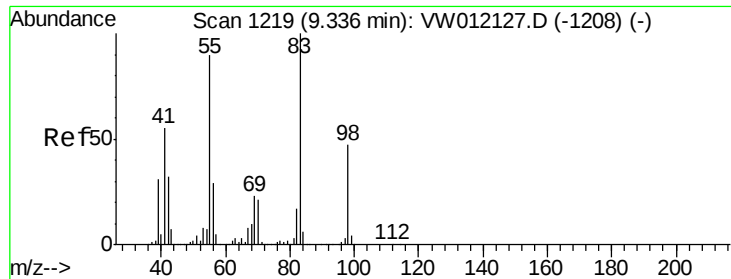
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#38
Carbon Tetrachloride
Concen: 53.195 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	117	Resp	204243
Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.2	114.2
121	30.5	23.8	35.8





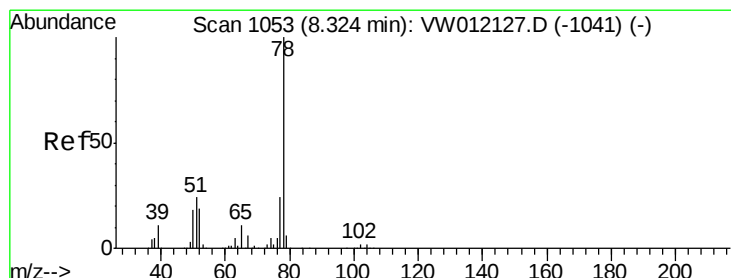
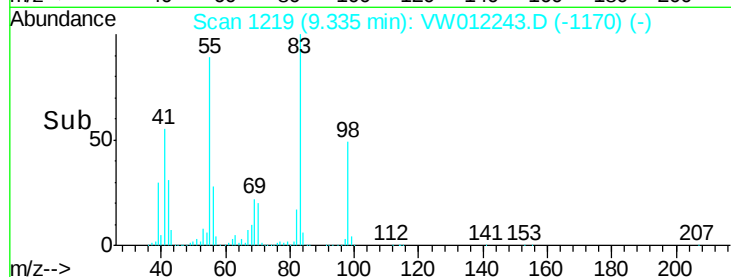
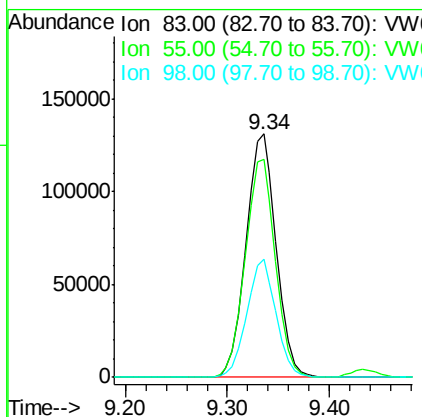
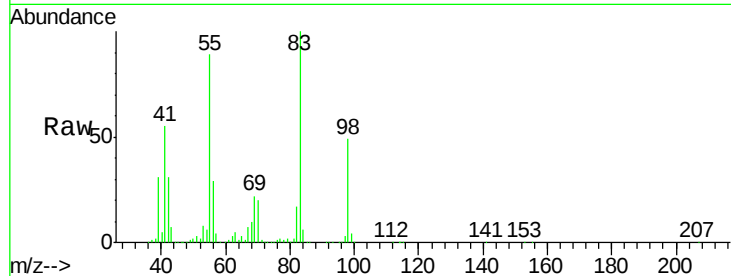
#39
Methvlcvclohexane
Concen: 54.061 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	71.8	107.8
98	48.7	37.8	56.8

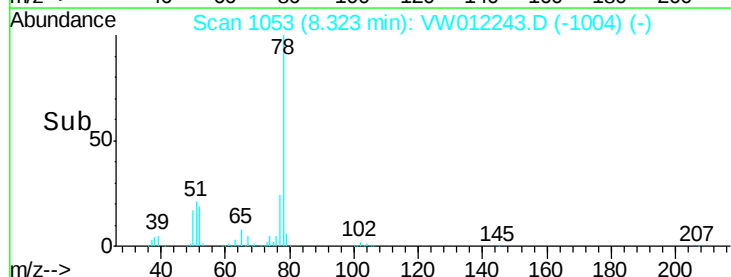
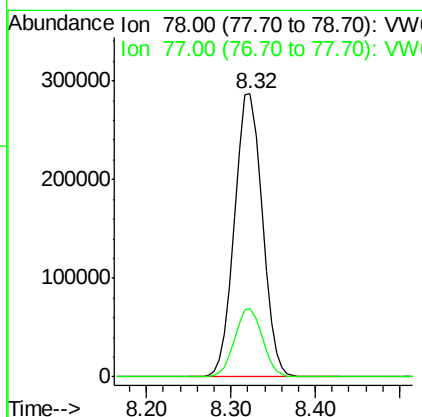
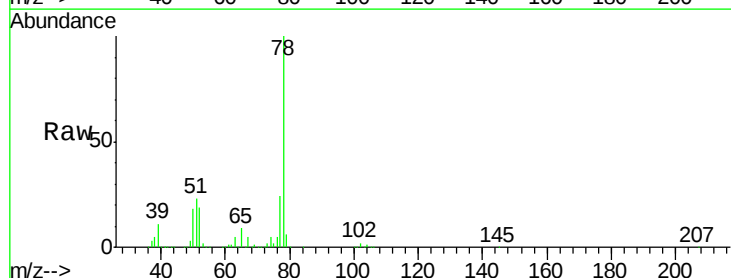
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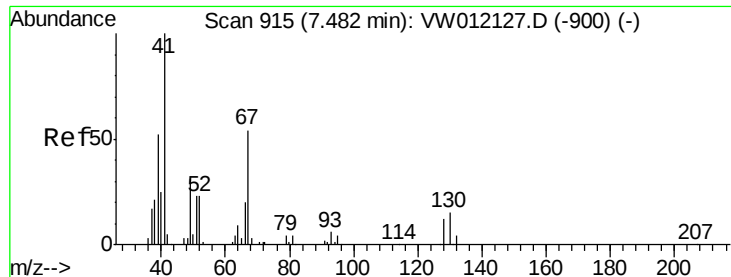
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#40
Benzene
Concen: 52.948 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





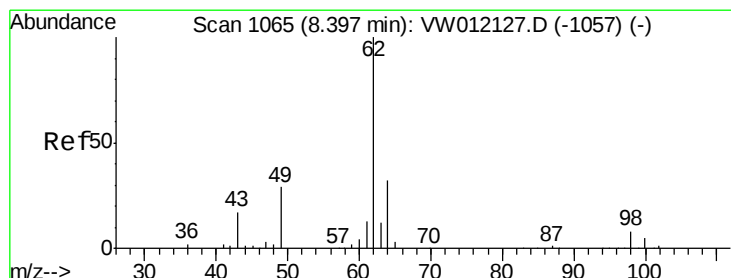
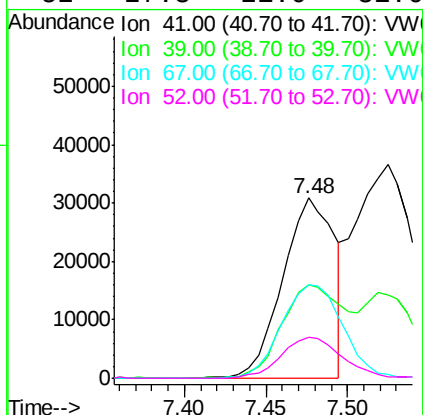
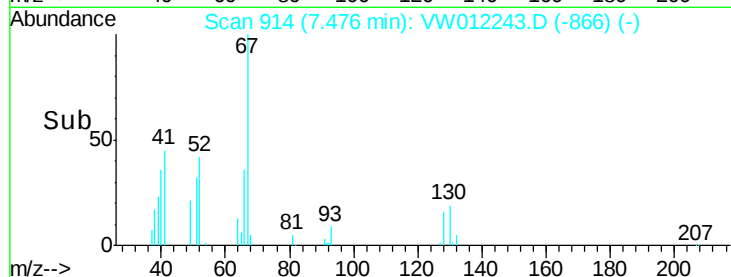
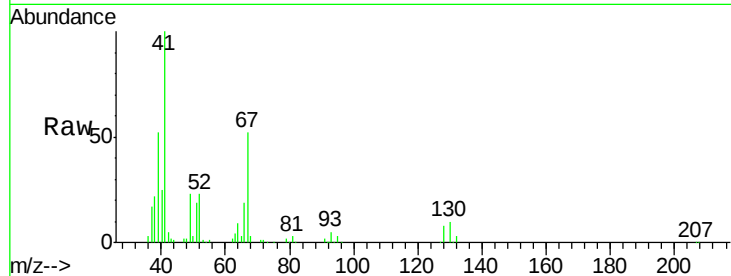
#41
Methacrylonitrile
Concen: 47.367 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.4	45.8	68.8
67	62.0	46.2	69.4
52	27.3	21.0	31.6

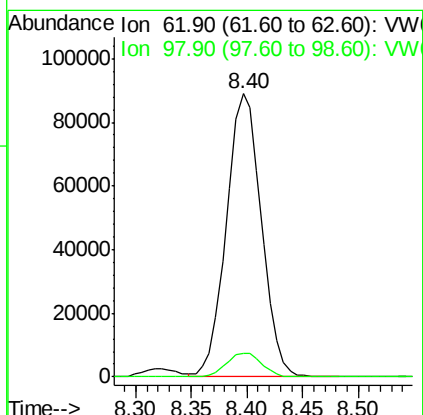
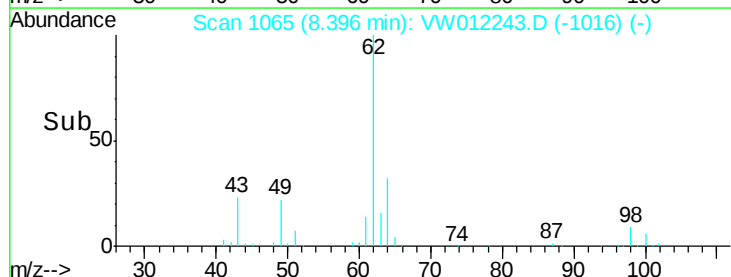
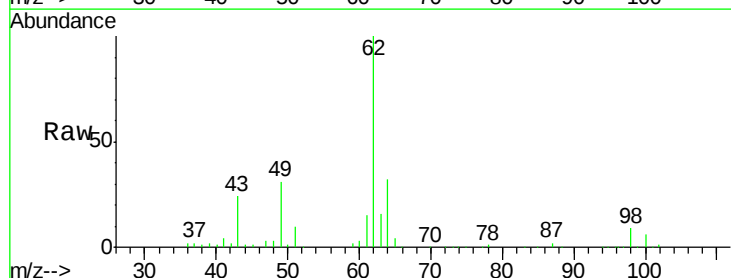
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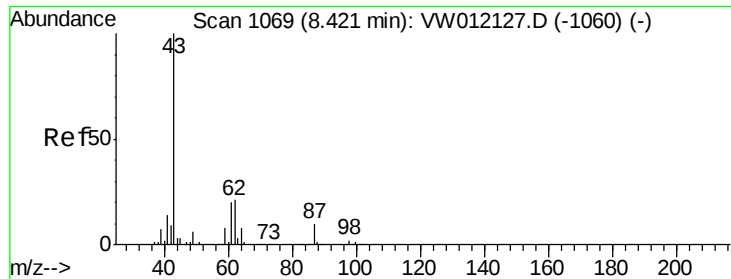
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#42
1,2-Dichloroethane
Concen: 50.834 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 50.652 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

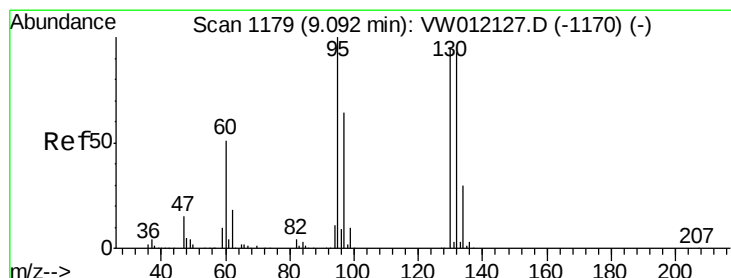
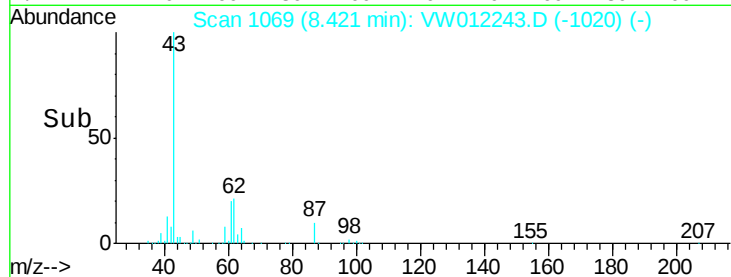
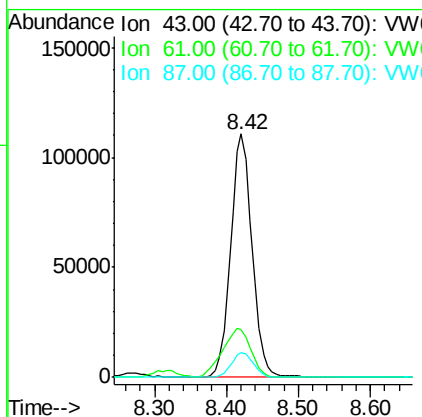
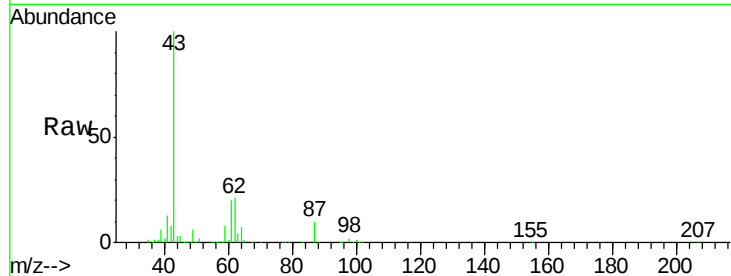
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	228075
Ion Ratio	Lower	Upper	
43	100		
61	26.8	21.1	31.7
87	10.5	8.2	12.2

Manual Integrations
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#44

Trichloroethene

Concen: 53.260 ug/l

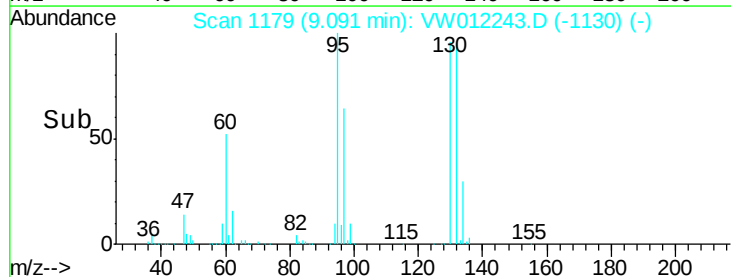
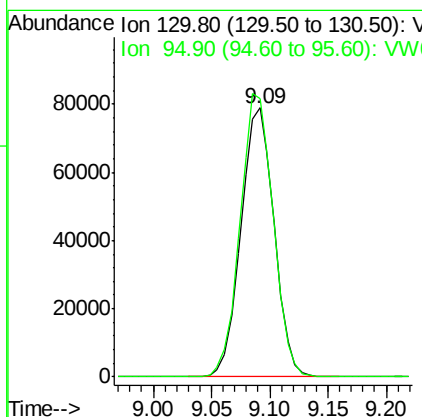
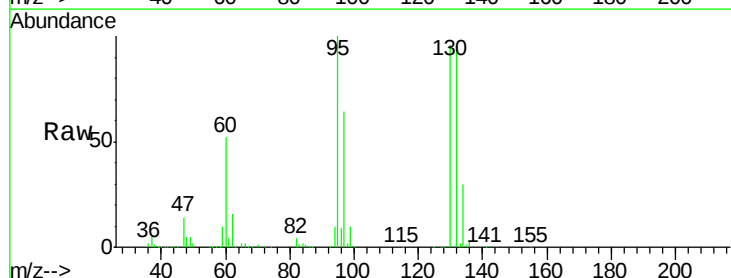
RT: 9.09 min Scan# 1179

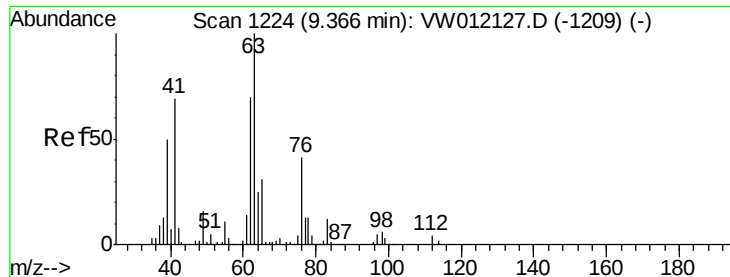
Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	130	Resp:	156830
Ion Ratio	Lower	Upper	
130	100		
95	103.7	0.0	210.6





#45

1,2-Dichloropropane

Concen: 52.768 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 172023

Ion Ratio Lower Upper

63 100

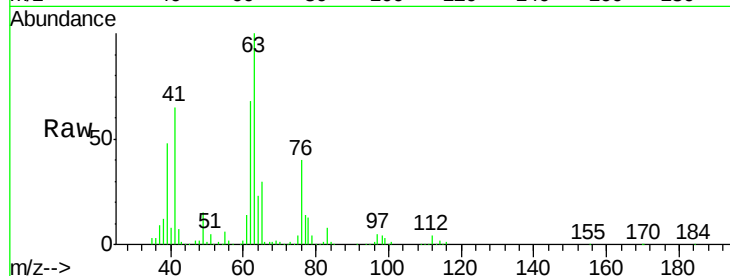
65 29.9 25.0 37.4

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

80000

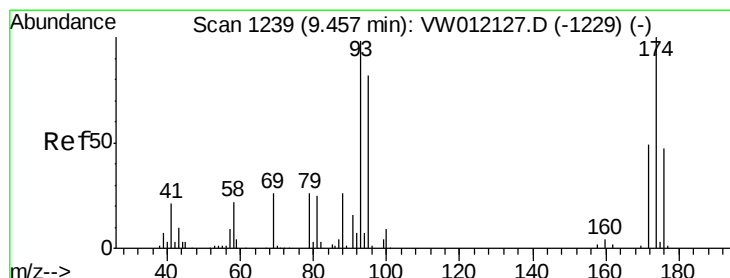
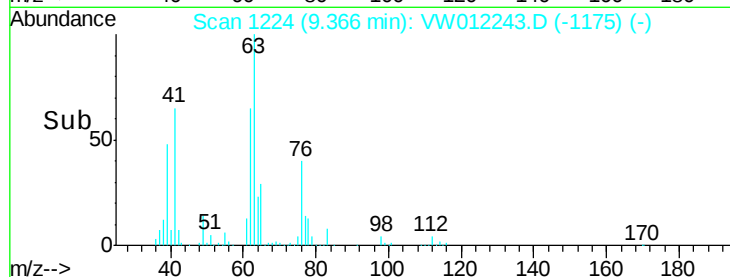
60000

40000

20000

0

Time--> 9.20 9.30 9.40 9.50



#46

Dibromomethane

Concen: 51.275 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

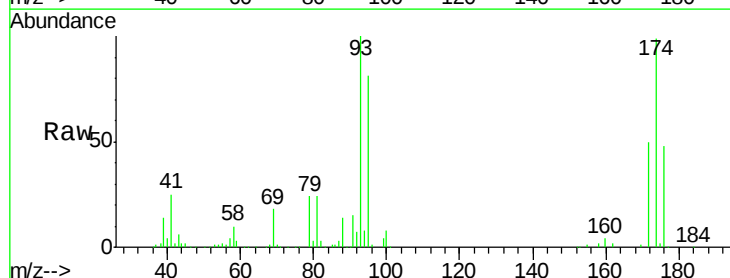
Tgt Ion: 93 Resp: 74373

Ion Ratio Lower Upper

93 100

95 83.1 67.2 100.8

174 99.2 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

50000

40000

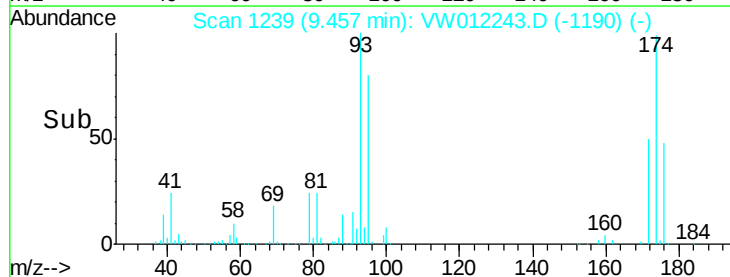
30000

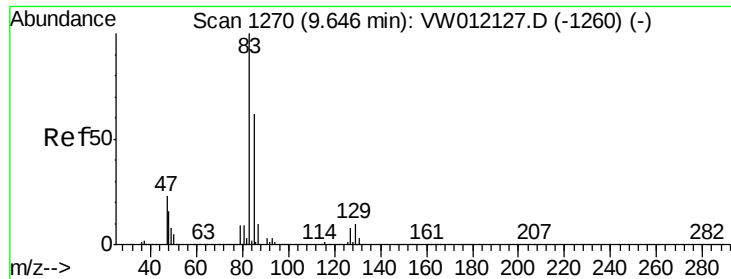
20000

10000

0

Time--> 9.35 9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 52.482 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

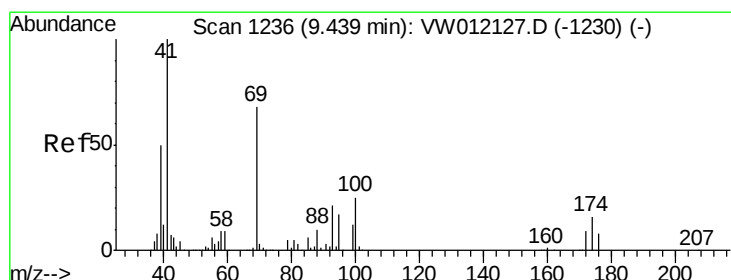
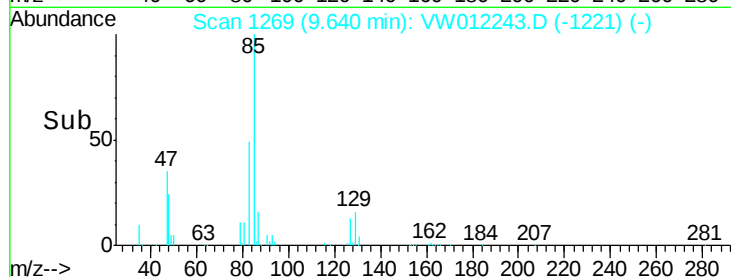
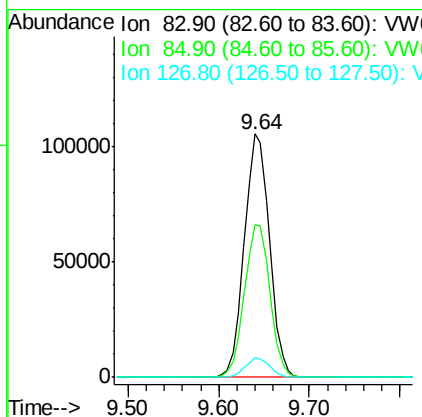
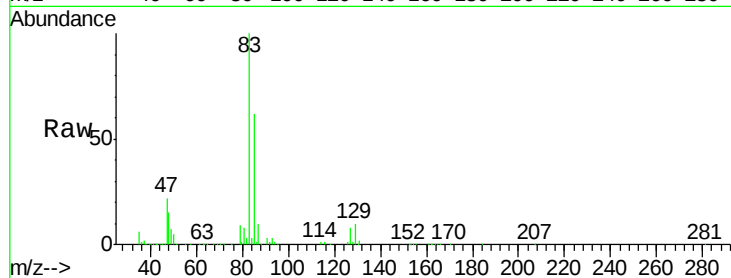
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	202598
Ion Ratio	Lower	Upper	
83	100		
85	62.5	49.4	74.2
127	7.9	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.120 ug/l

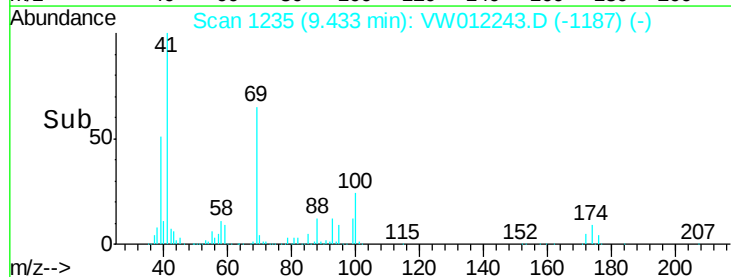
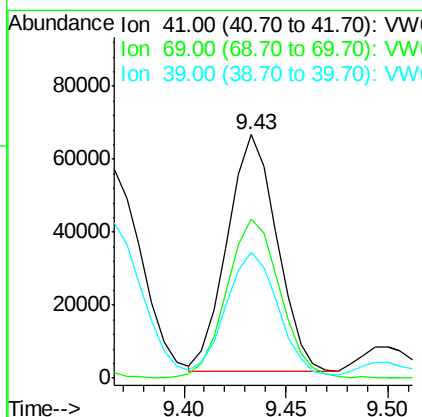
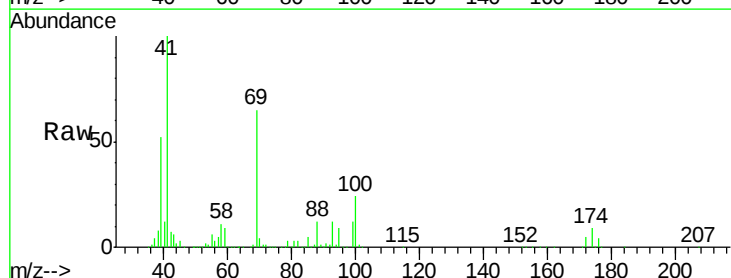
RT: 9.43 min Scan# 1235

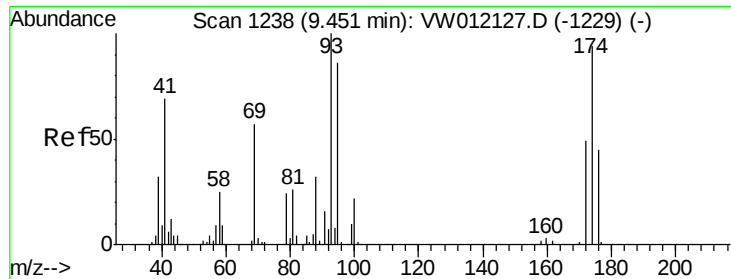
Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	41	Resp:	109556
Ion Ratio	Lower	Upper	
41	100		
69	72.4	56.7	85.1
39	53.5	42.0	63.0





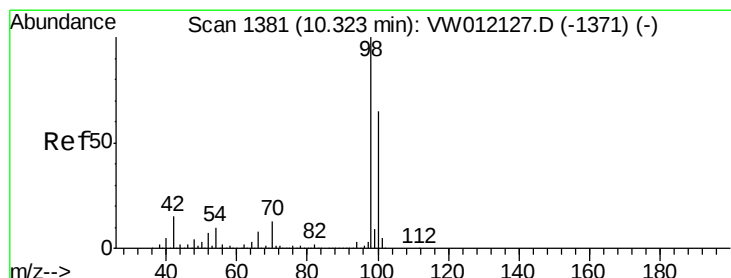
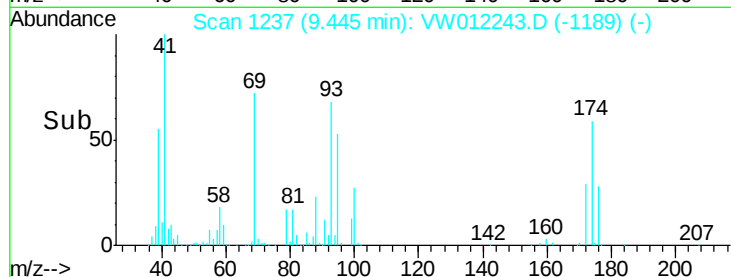
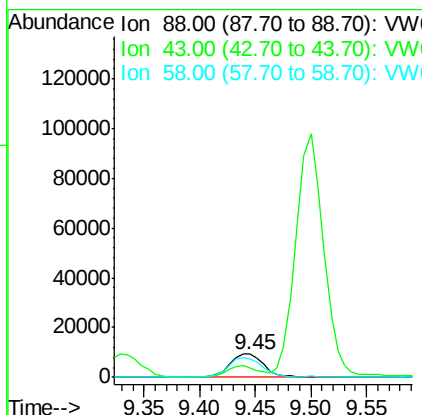
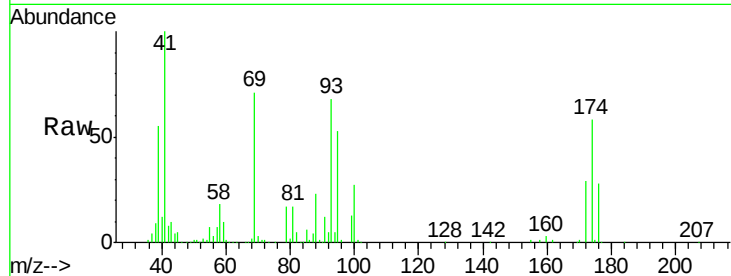
#49
 1,4-Dioxane
 Concen: 891.064 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW012243.D
 Acq: 28 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	19786
Ion	Ratio	Lower	Upper
88	100		
43	46.7	32.9	49.3
58	83.4	71.0	106.4

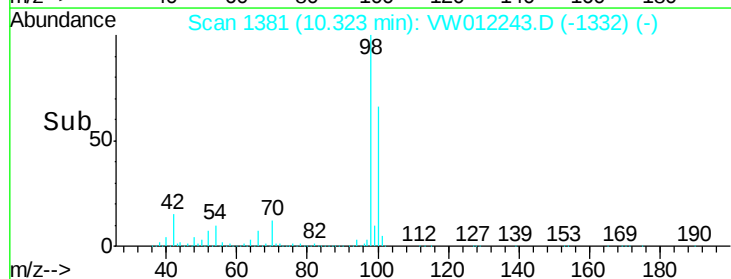
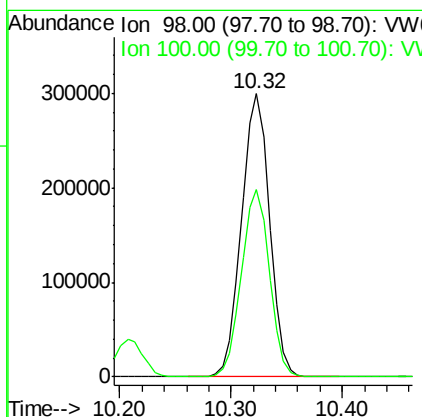
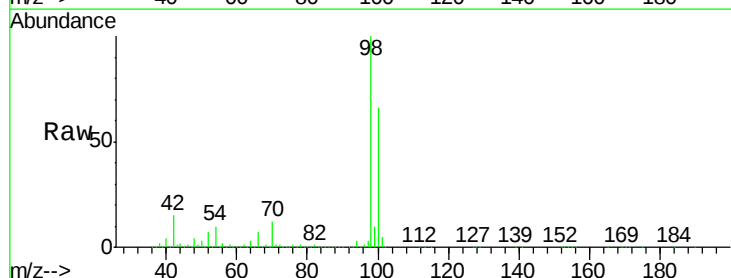
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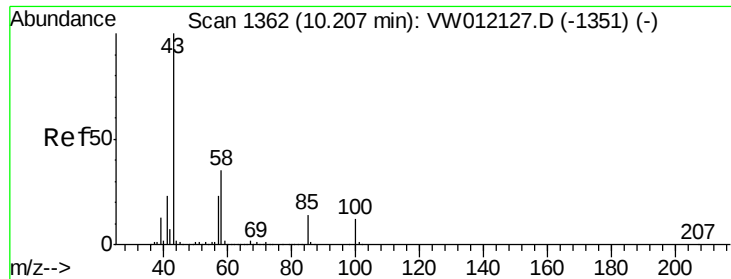
MMDadoda
 8/29/2019 9:41:51 AM



#50
 Toluene-d8
 Concen: 50.419 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012243.D
 Acq: 28 Aug 2019 10:13

Tgt Ion	98	Resp	523835
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 248.868 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 569974

Ion Ratio Lower Upper

43 100

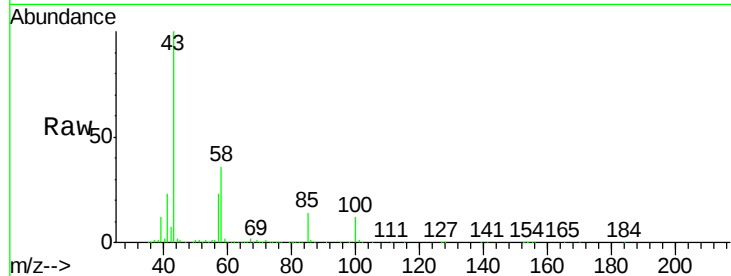
58 35.6 28.2 42.2

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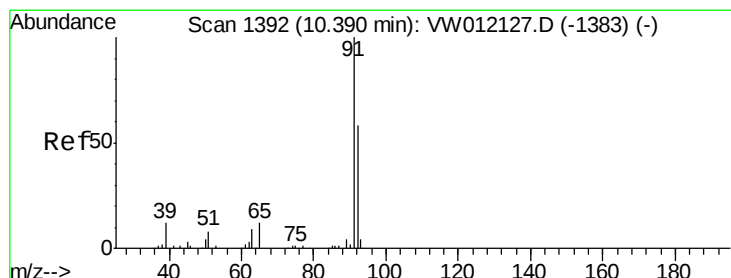
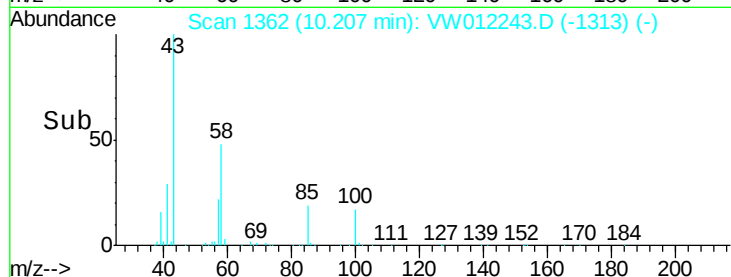
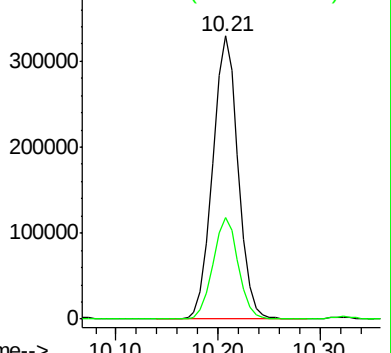
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 53.944 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012243.D

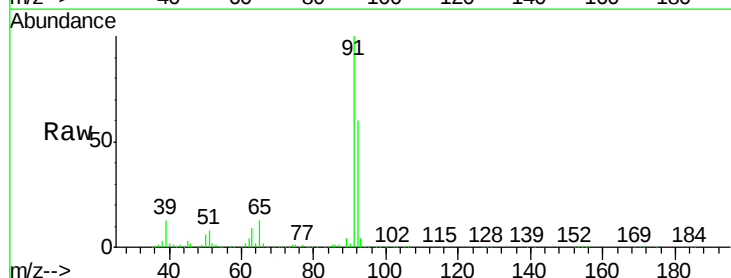
Acq: 28 Aug 2019 10:13

Tgt Ion: 92 Resp: 392545

Ion Ratio Lower Upper

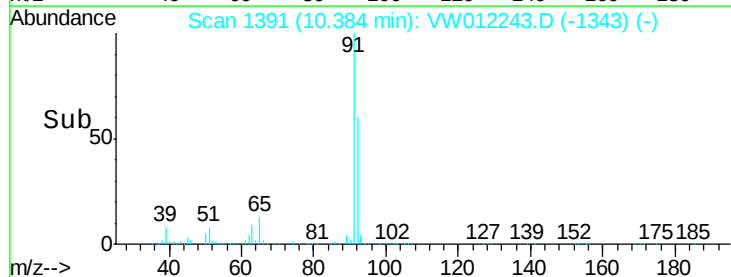
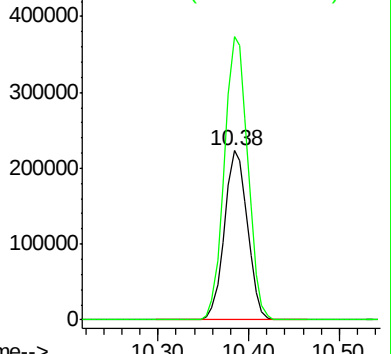
92 100

91 170.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 54.670 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 214972

Ion Ratio Lower Upper

75 100

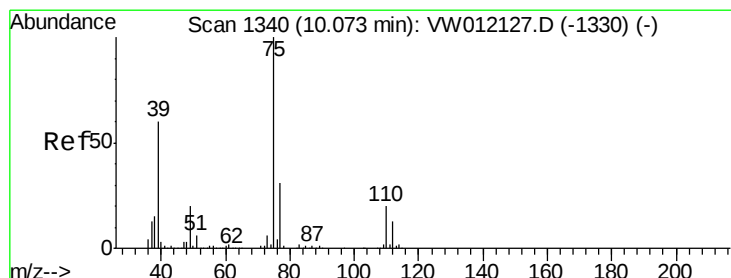
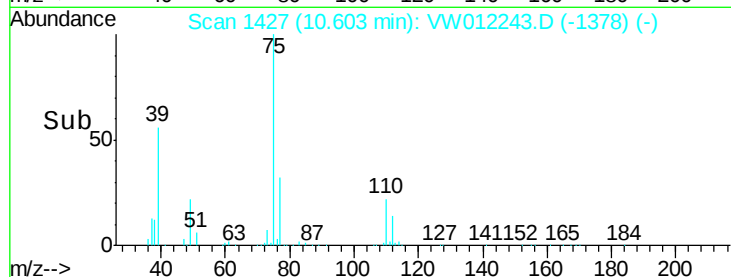
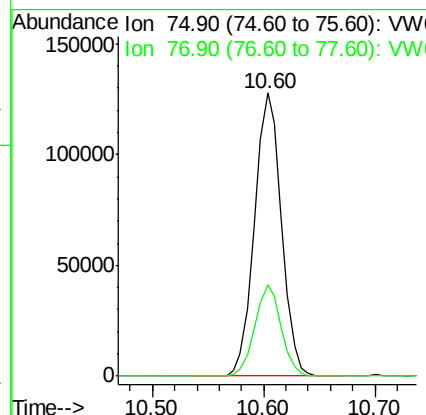
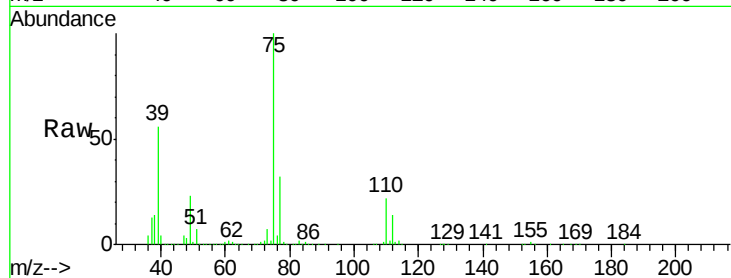
77 31.9 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.351 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

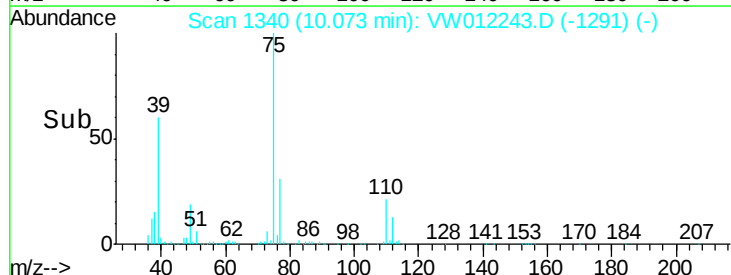
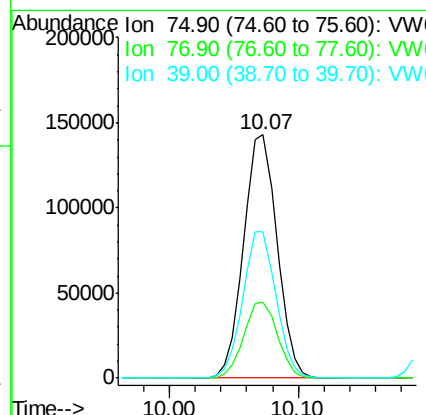
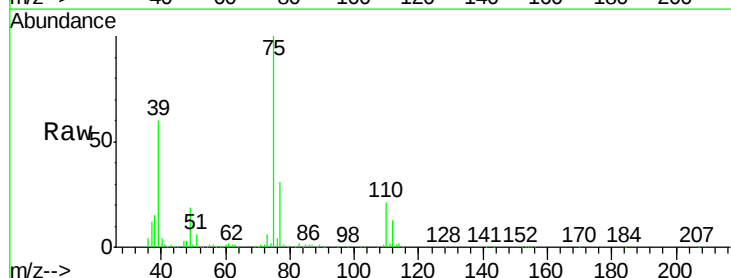
Tgt Ion: 75 Resp: 258053

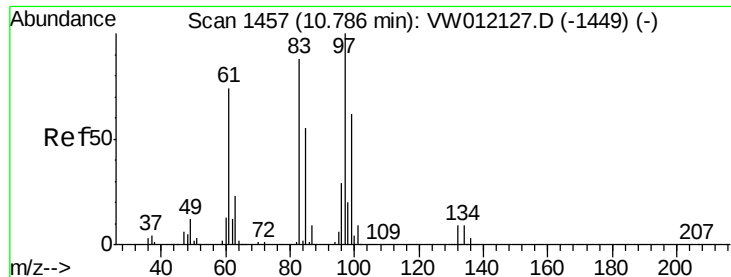
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 60.0 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 51.234 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

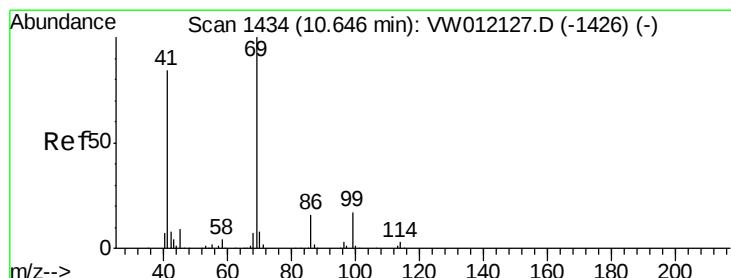
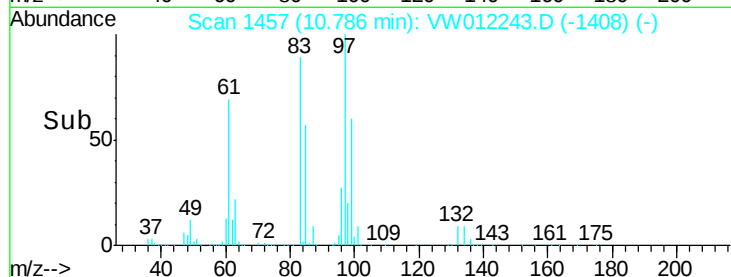
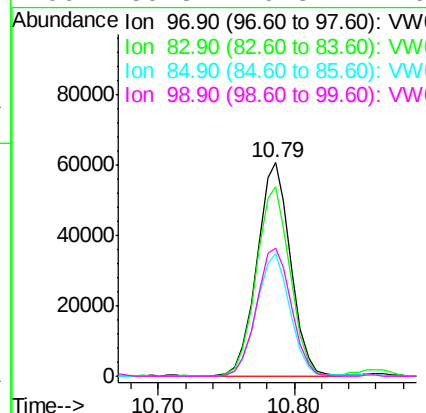
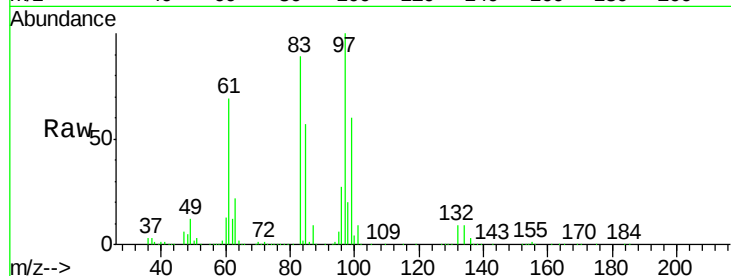
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	105142
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.8	106.2
85	57.3	43.8	65.8
99	59.8	49.8	74.6

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#56

Ethyl methacrylate

Concen: 53.959 ug/l

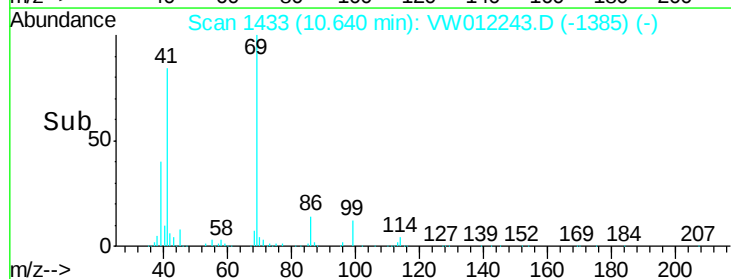
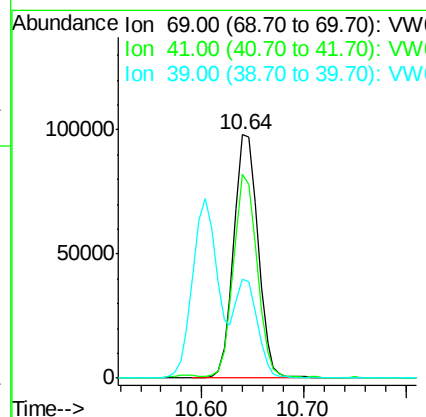
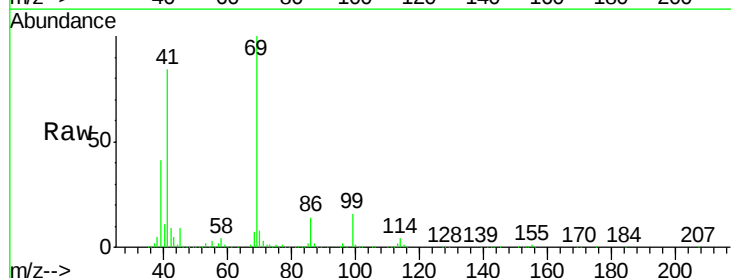
RT: 10.64 min Scan# 1433

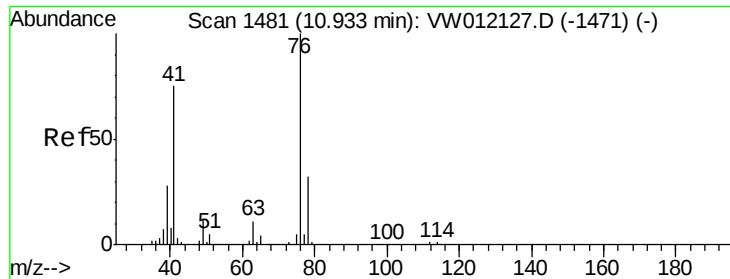
Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	69	Resp:	161167
Ion	Ratio	Lower	Upper
69	100		
41	81.0	66.5	99.7
39	35.7	31.0	46.4





#57

1,3-Dichloropropane

Concen: 51.690 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 200463

Ion Ratio Lower Upper

76 100

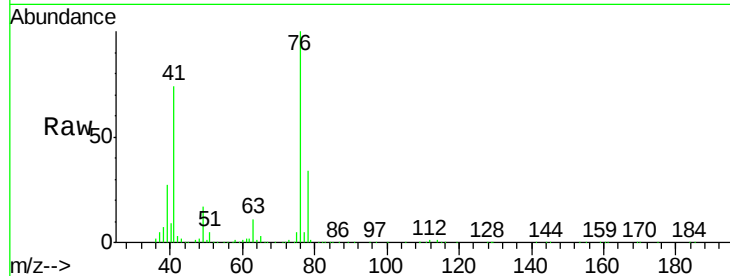
78 32.2 25.8 38.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

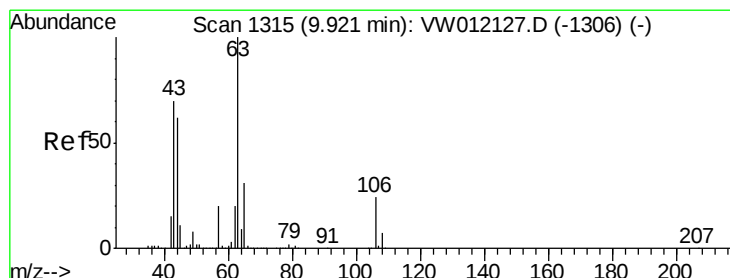
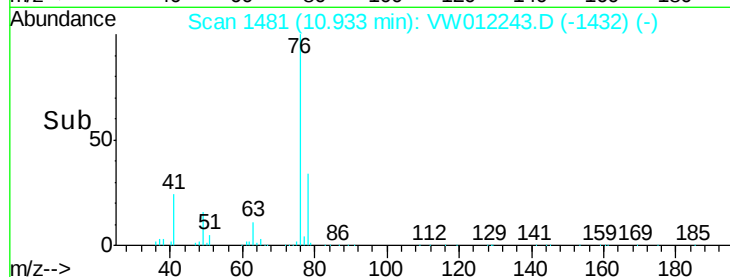
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 252.467 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012243.D

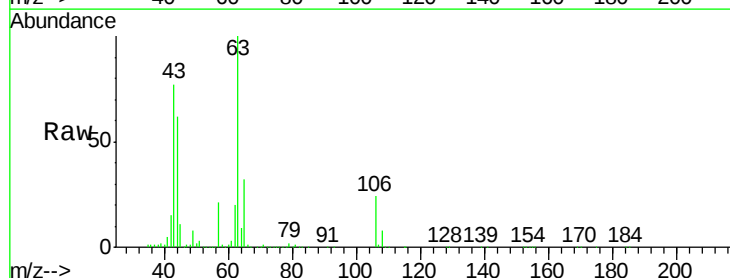
Acq: 28 Aug 2019 10:13

Tgt Ion: 63 Resp: 387007

Ion Ratio Lower Upper

63 100

106 24.2 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

250000

200000

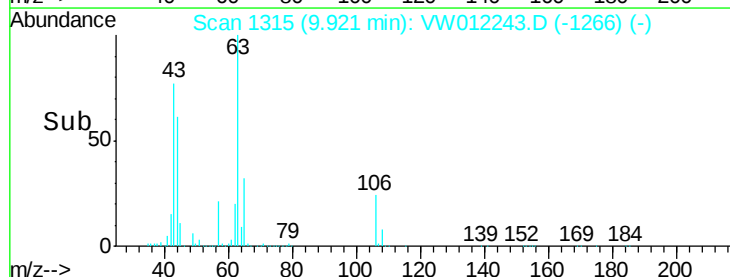
150000

100000

50000

0

Time-->





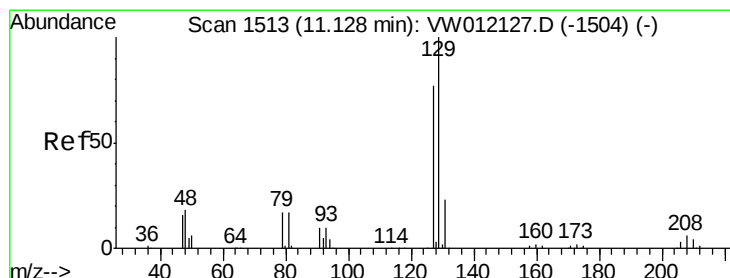
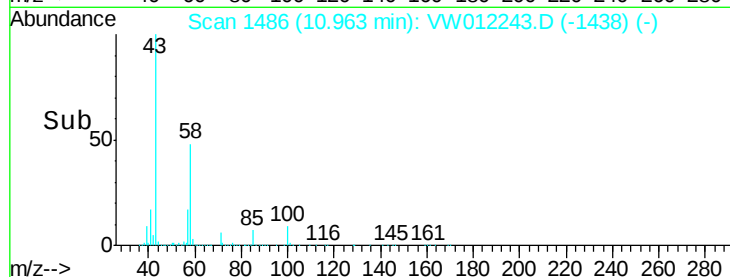
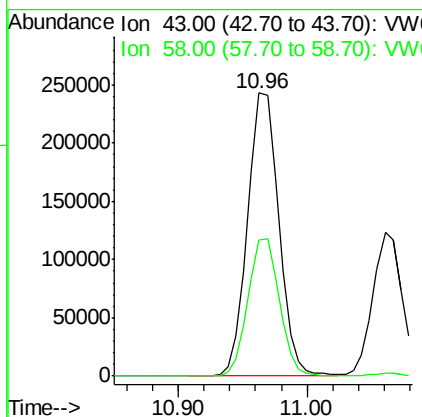
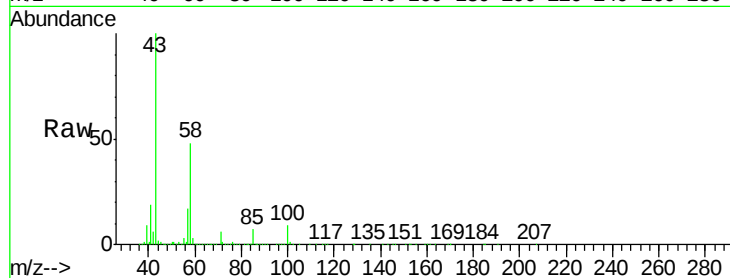
#59
2-Hexanone
Concen: 251.290 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 407218
Ion Ratio Lower Upper
43 100
58 49.1 24.3 72.9

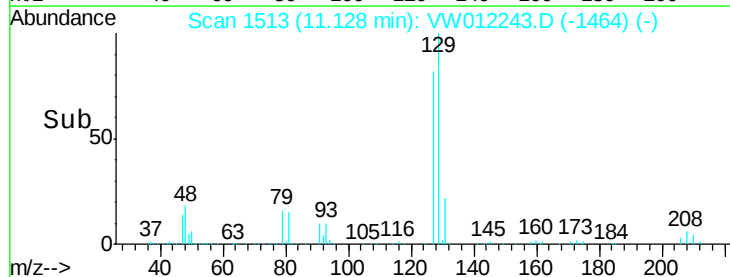
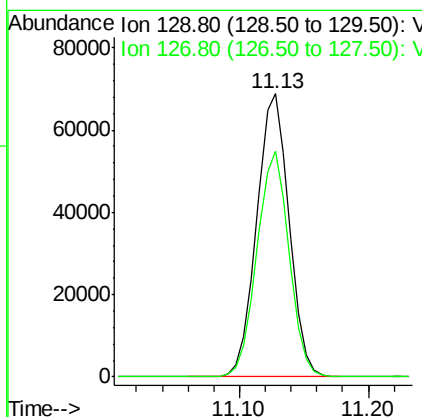
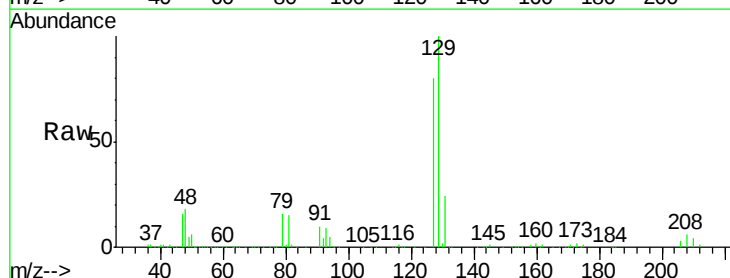
Manual Integrations
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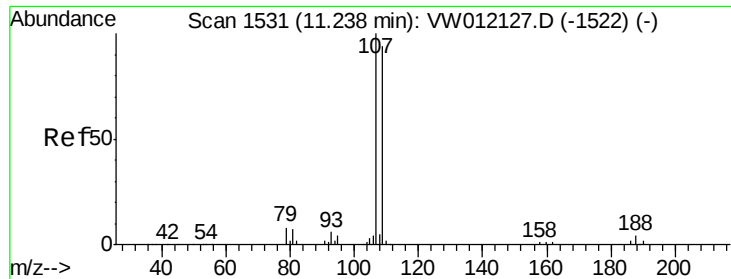
MMDadoda
8/29/2019 9:41:51 AM



#60
Dibromochloromethane
Concen: 52.050 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion: 129 Resp: 118977
Ion Ratio Lower Upper
129 100
127 78.9 38.6 115.8





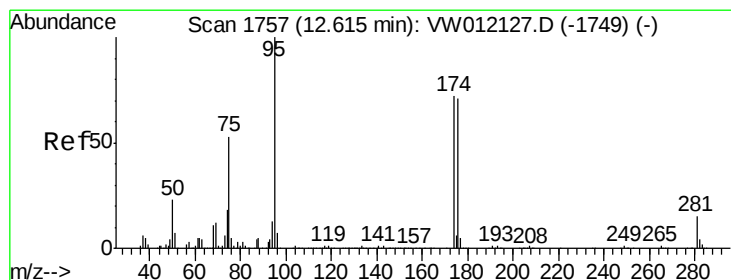
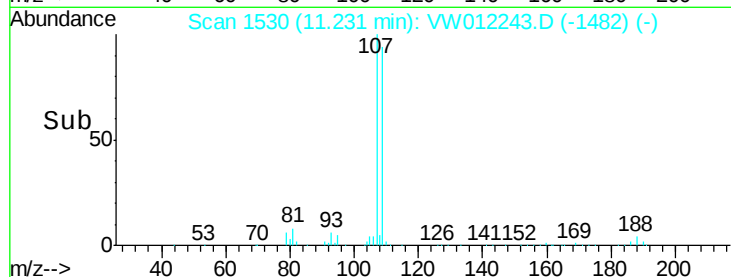
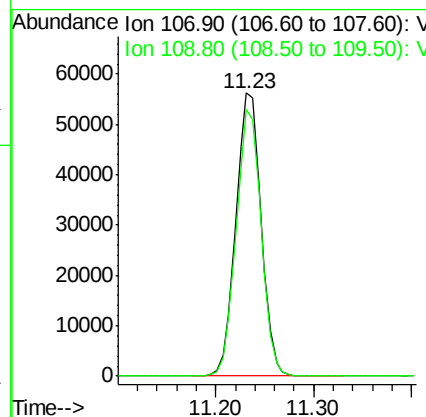
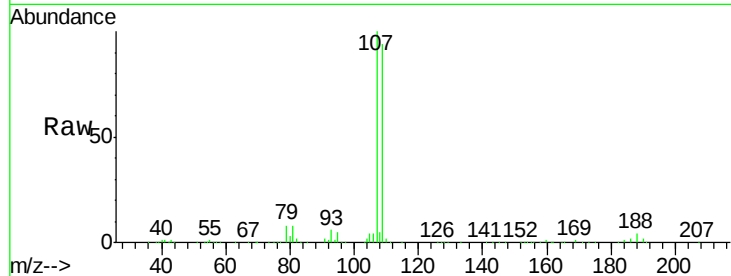
#61
 1,2-Dibromoethane
 Concen: 52.744 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012243.D
 Acq: 28 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	100842		
109	93.6	75.4	113.2	

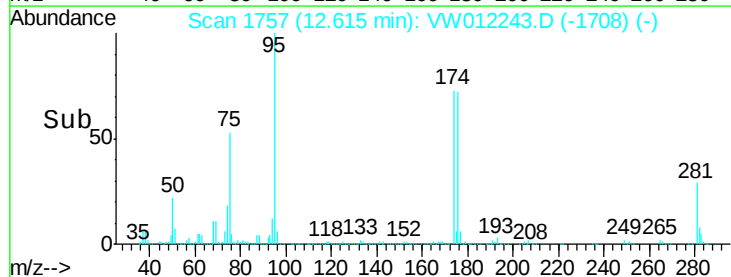
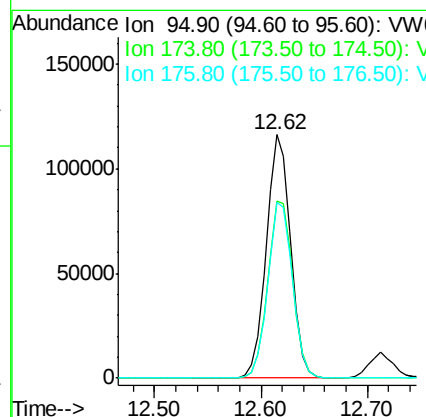
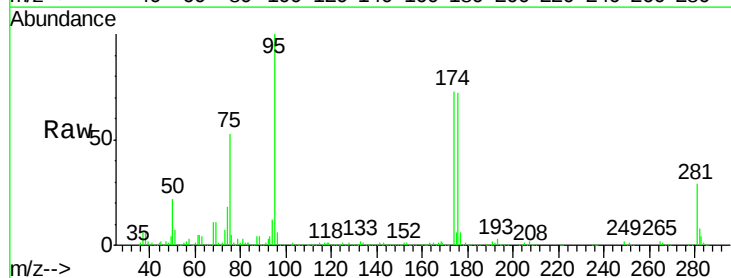
Manual Integrations
 APPROVED

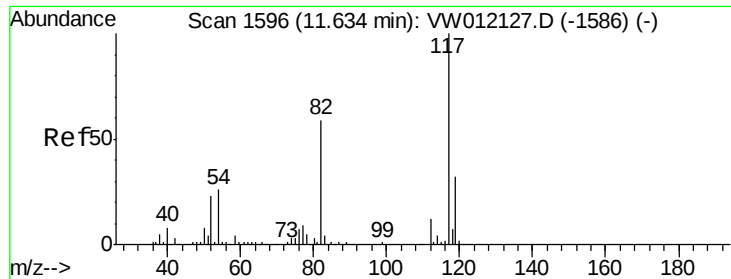
MMDadoda
 8/29/2019 9:41:51 AM



#62
 4-Bromofluorobenzene
 Concen: 50.511 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012243.D
 Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	184990		
174	75.1	0.0	150.8	
176	73.8	0.0	148.6	





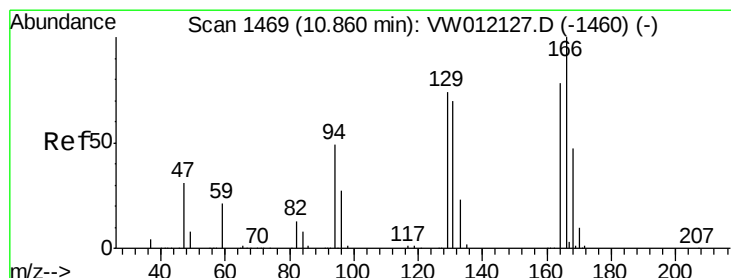
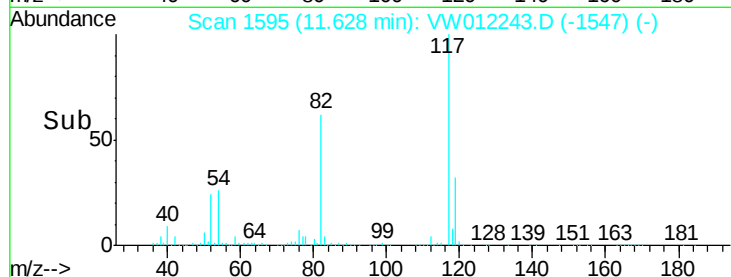
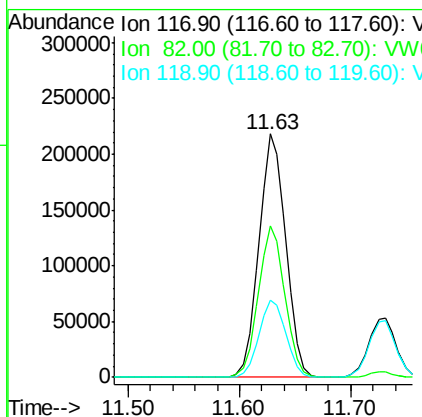
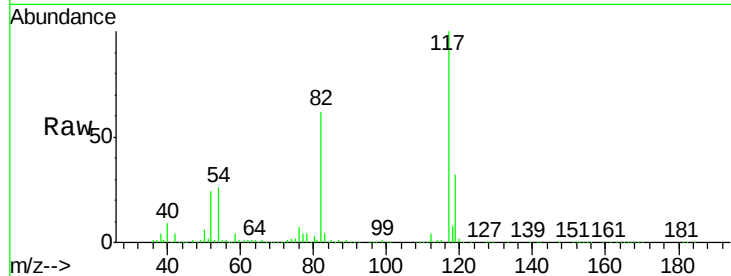
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	366721		
82	62.2	47.4	71.2	
119	31.8	25.4	38.2	

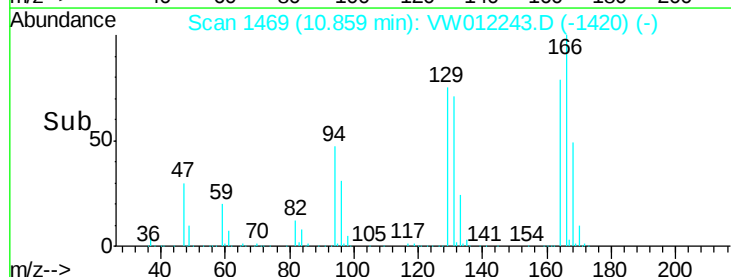
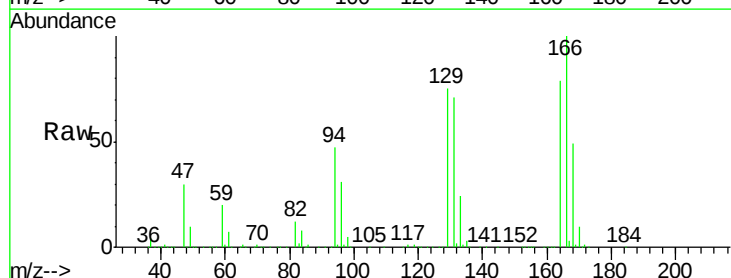
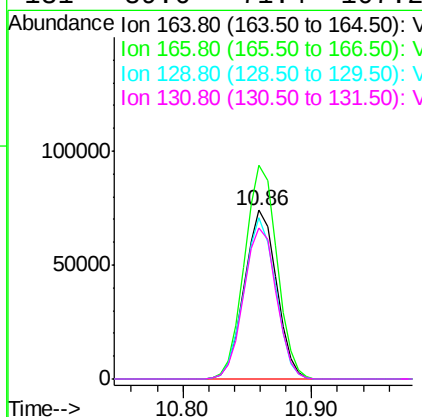
Manual Integrations
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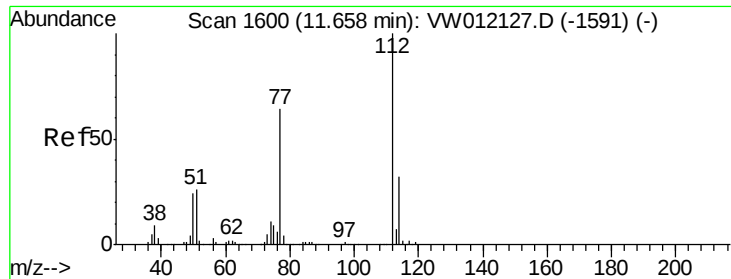
MMDadoda
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#64
Tetrachloroethene
Concen: 53.567 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	127359		
166	126.4	102.4	153.6	
129	95.4	75.8	113.6	
131	89.6	71.4	107.2	





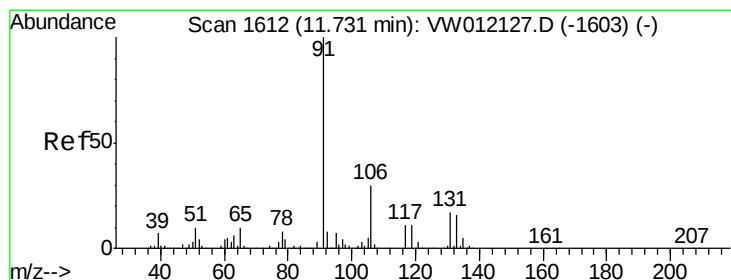
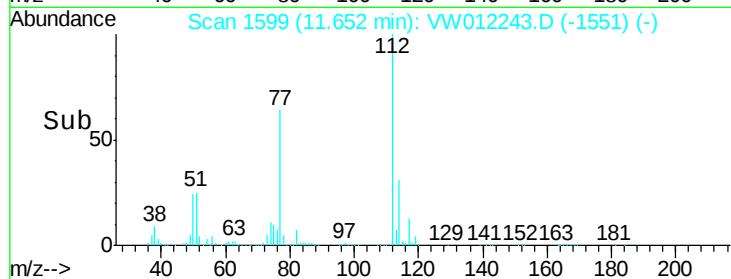
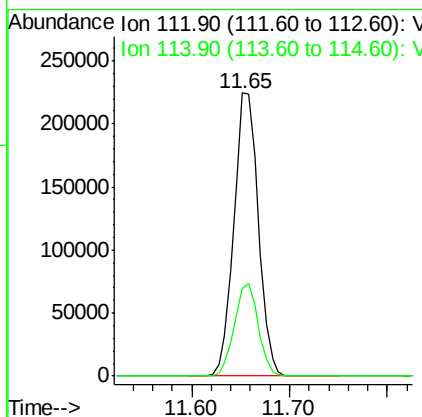
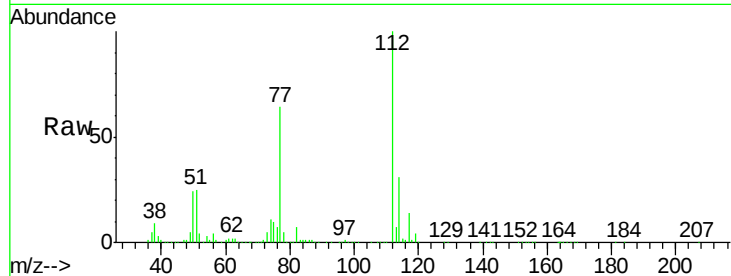
#65
Chlorobenzene
Concen: 53.961 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	389652		
114	31.1	25.8	38.6	

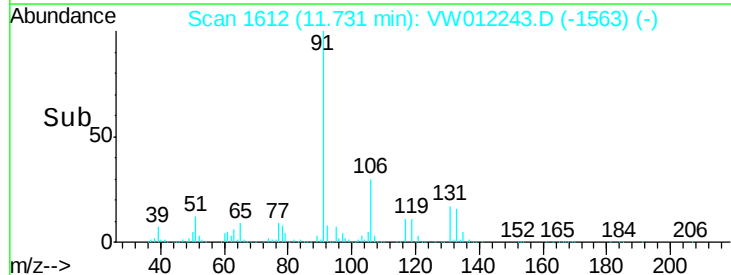
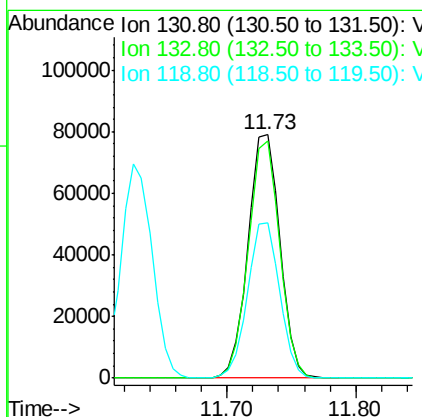
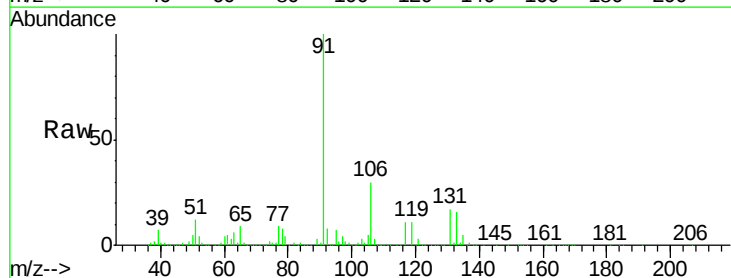
Manual Integrations
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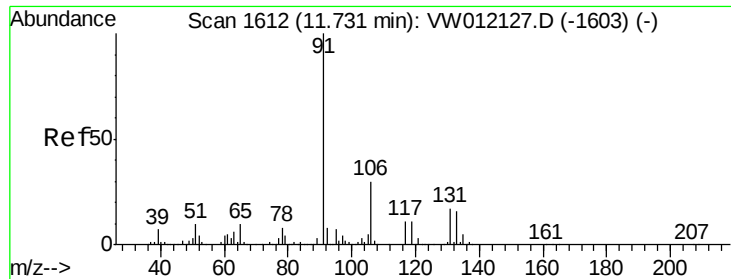
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.592 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	135005		
133	95.9	47.1	141.3	
119	64.0	31.8	95.3	





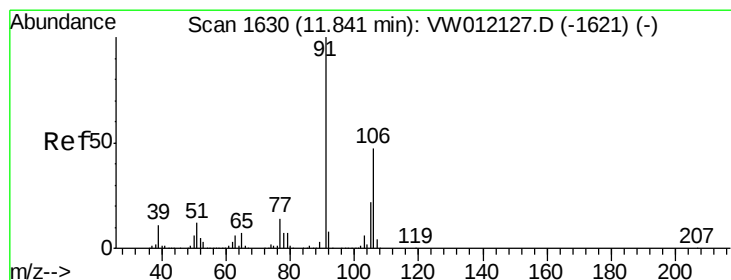
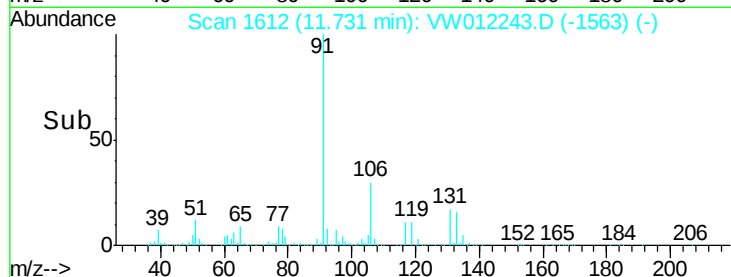
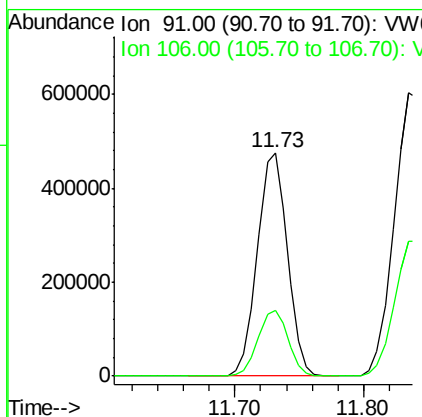
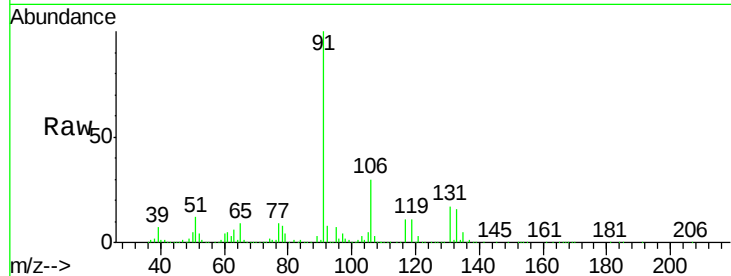
#67
Ethyl Benzene
Concen: 55.062 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 765925
Ion Ratio Lower Upper
91 100
106 29.5 24.3 36.5

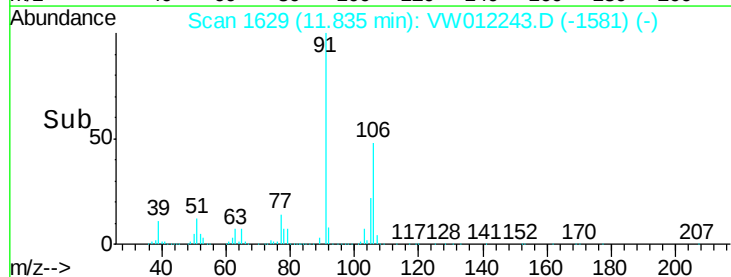
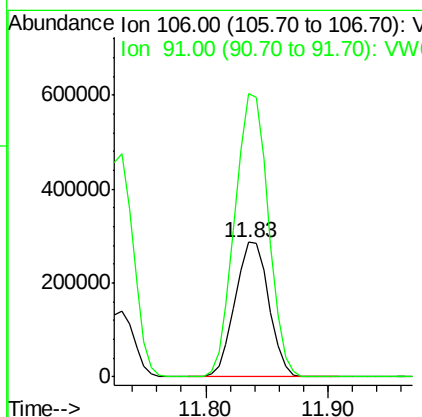
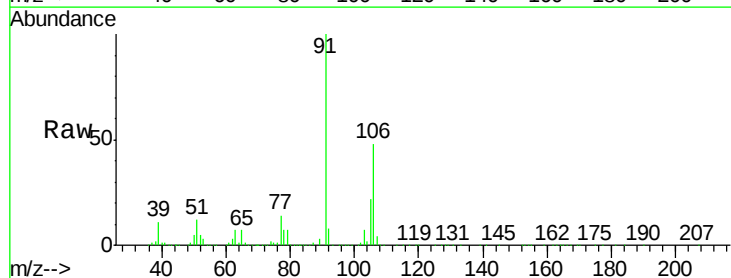
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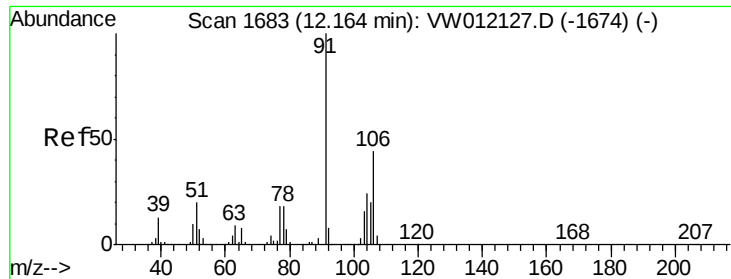
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#68
m/p-Xylenes
Concen: 110.078 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion: 106 Resp: 551556
Ion Ratio Lower Upper
106 100
91 208.8 169.5 254.3





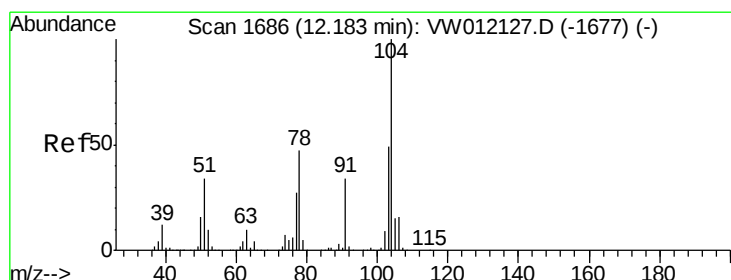
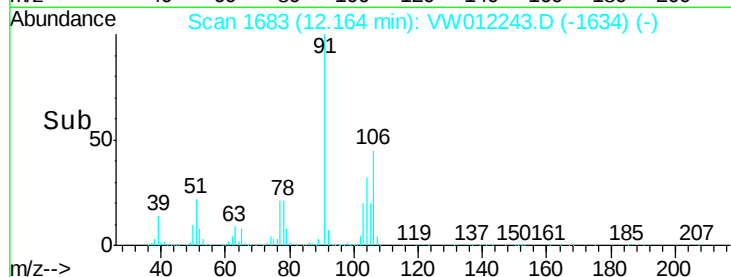
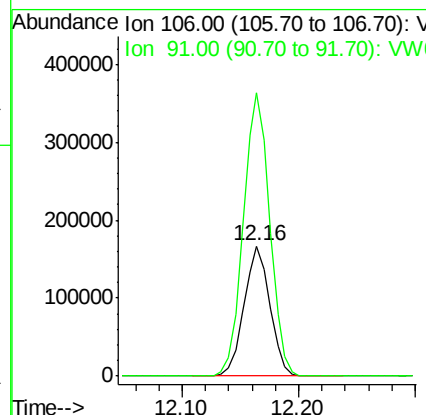
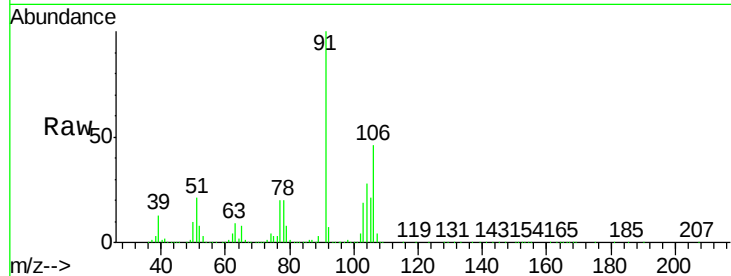
#69
o-Xylene
Concen: 55.685 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.4	111.6	334.6

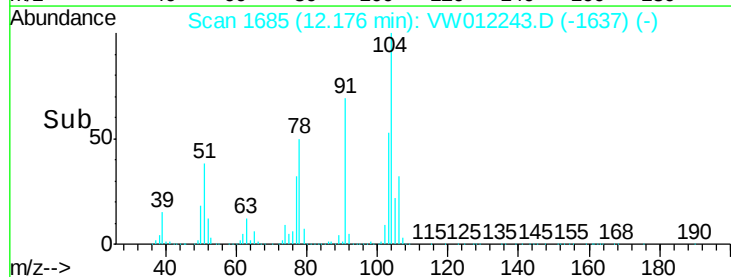
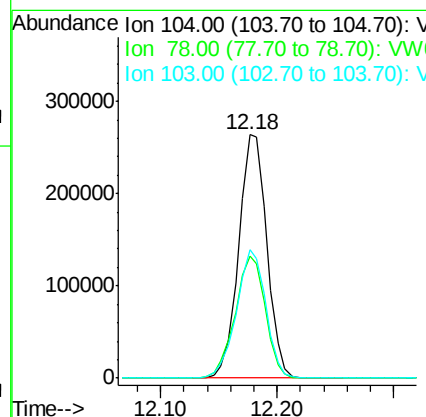
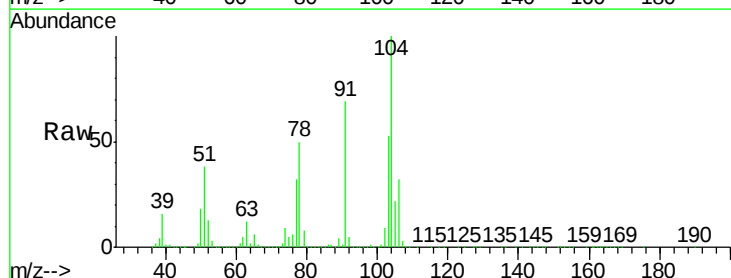
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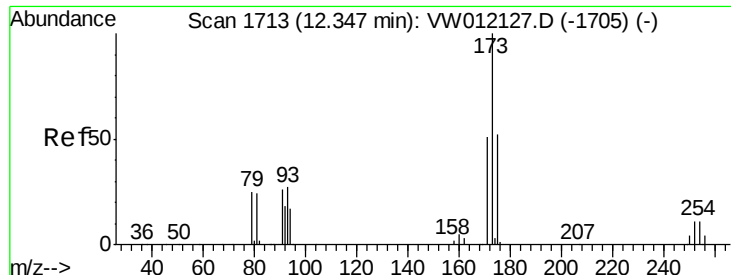
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#70
Styrene
Concen: 55.354 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.8	43.1	64.7
103	54.9	43.5	65.3





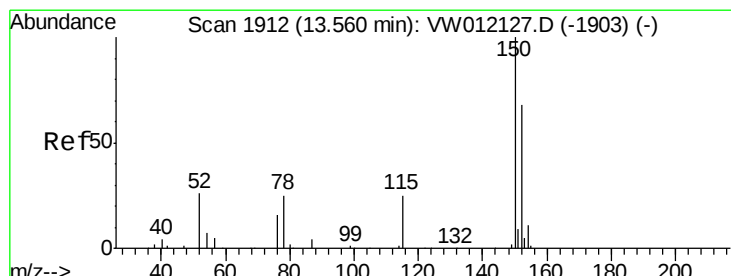
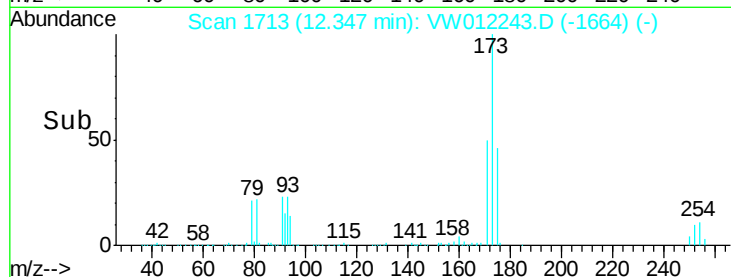
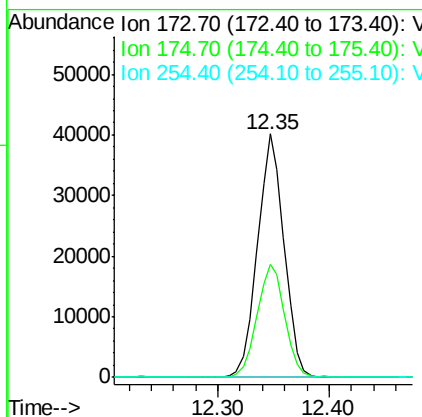
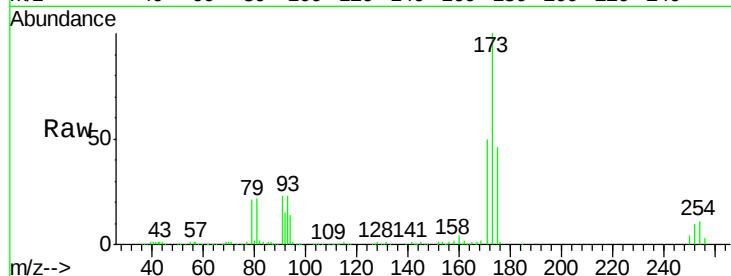
#71
Bromoform
Concen: 53.162 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	74.0
254	0.1	0.2	0.2

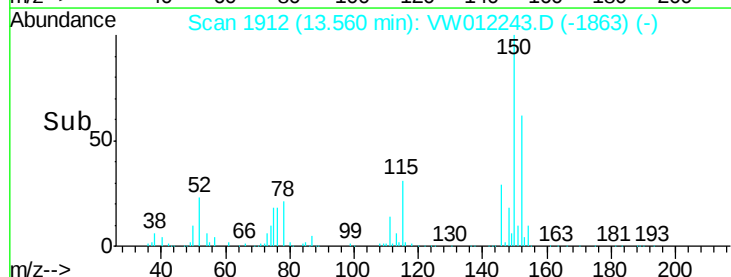
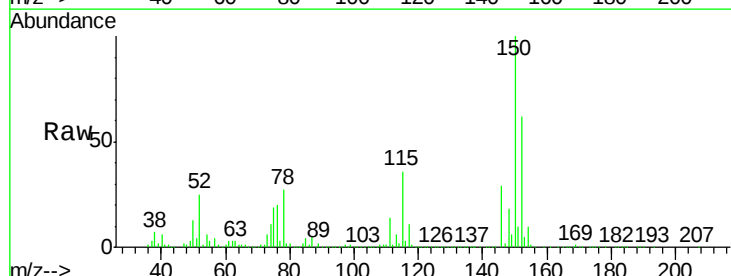
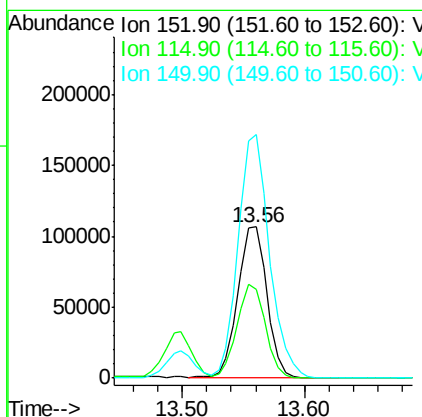
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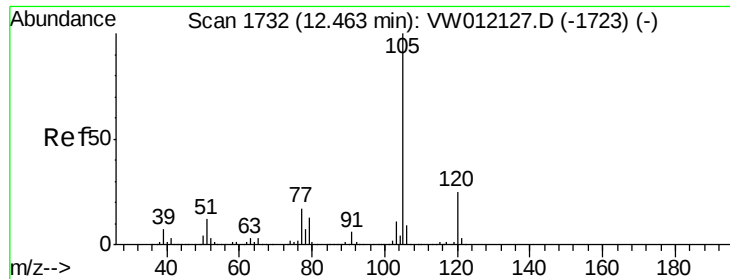
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	174.0	0.0	345.8





#73

Isopropylbenzene

Concen: 55.291 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 723488

Ion Ratio Lower Upper

105 100

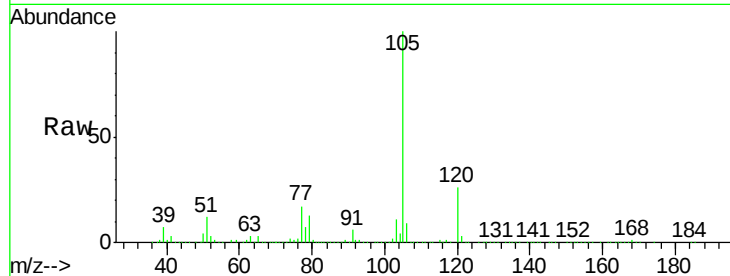
120 25.6 12.5 37.5

Manual Integrations

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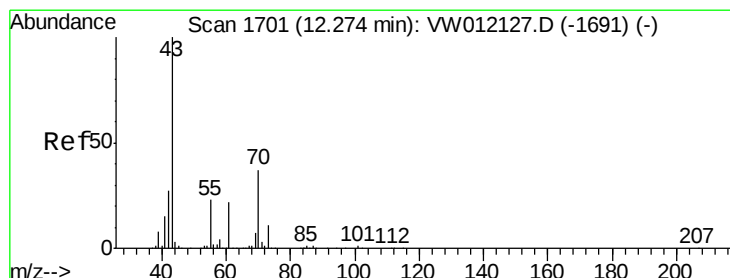
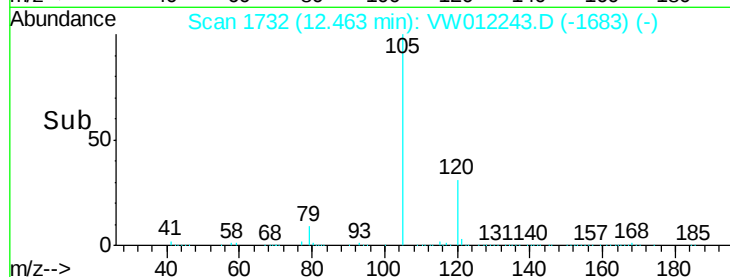
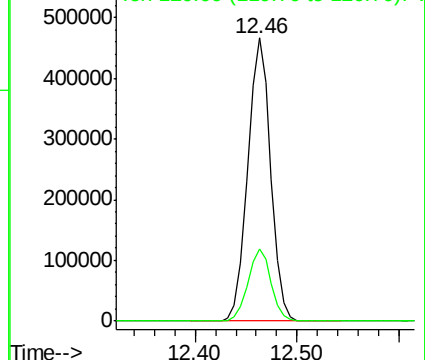
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.890 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion: 43 Resp: 213048

Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 22.4 17.8 26.6

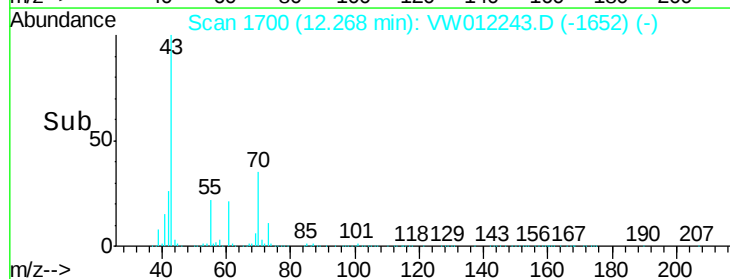
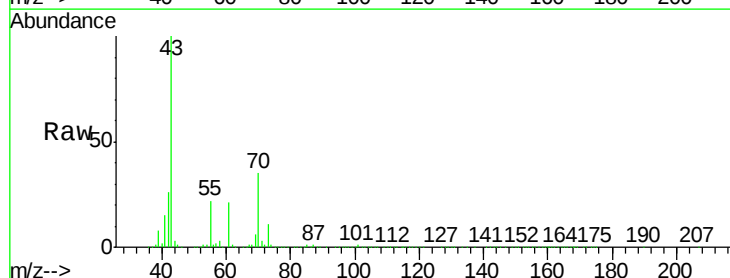
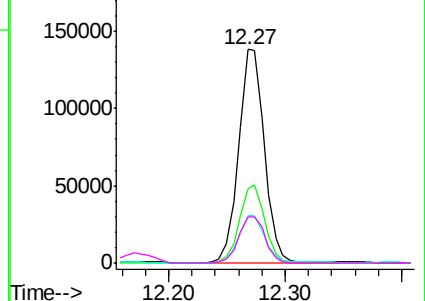
61 22.3 17.3 25.9

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 50.850 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

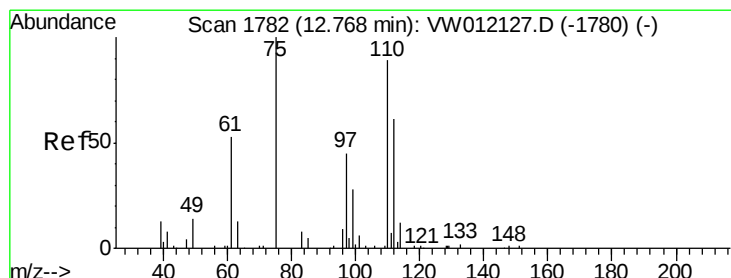
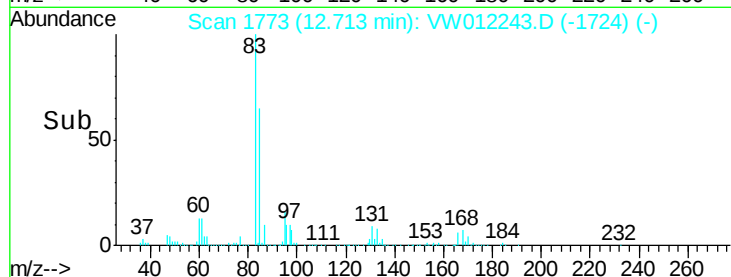
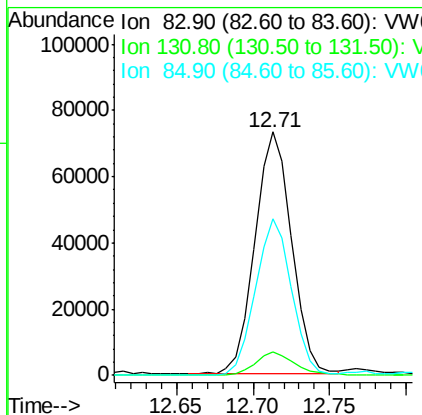
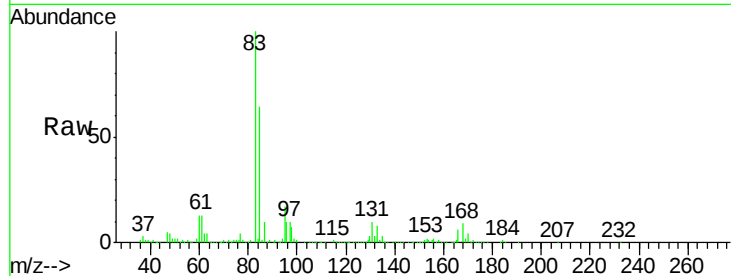
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	121982
Ion Ratio		Lower	Upper
83	100		
131	10.2	4.9	14.7
85	63.5	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 59.819 ug/l m

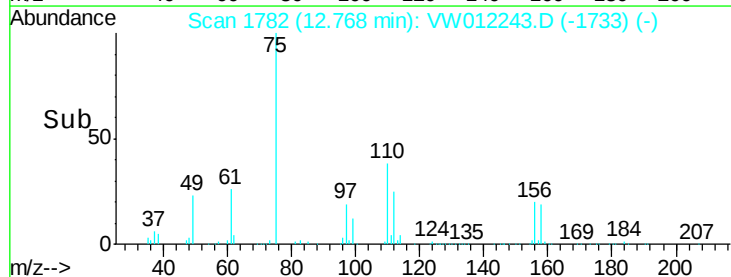
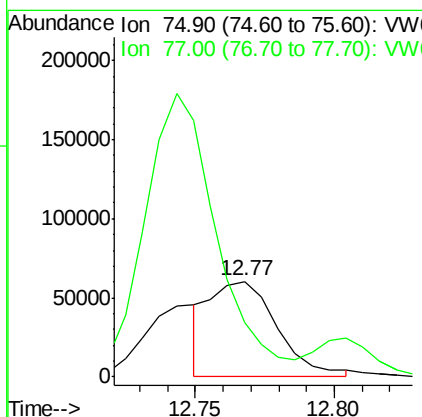
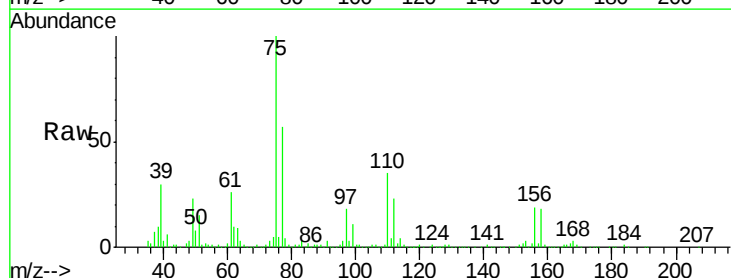
RT: 12.77 min Scan# 1782

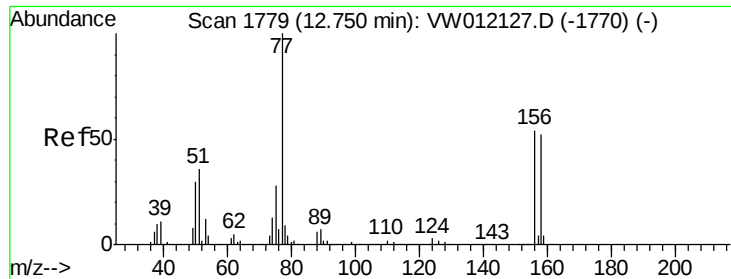
Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	75	Resp:	101736
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.346 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

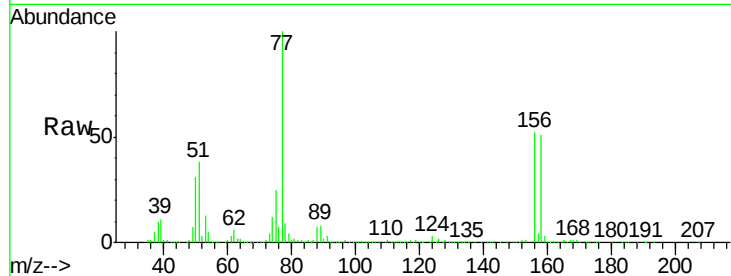
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.4	107.3	321.8
158	97.0	49.0	147.0

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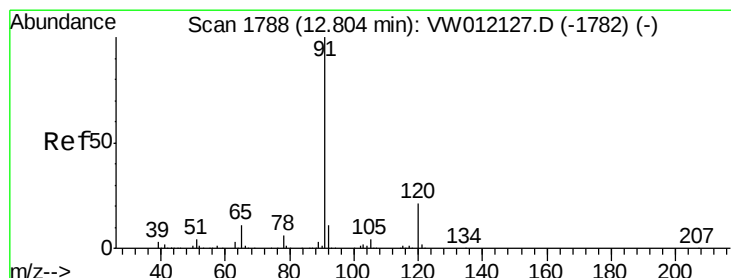
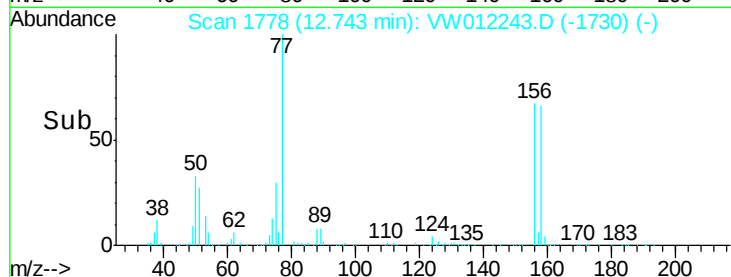
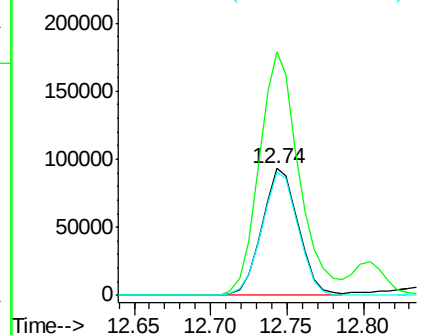
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.210 ug/l

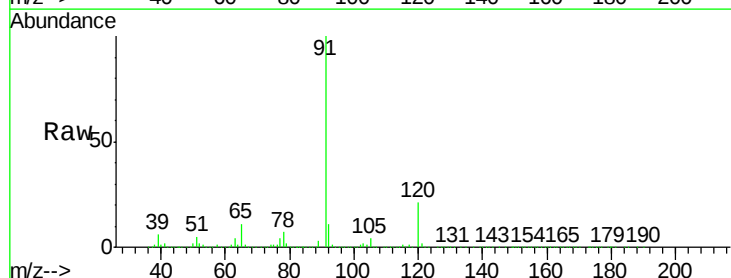
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012243.D

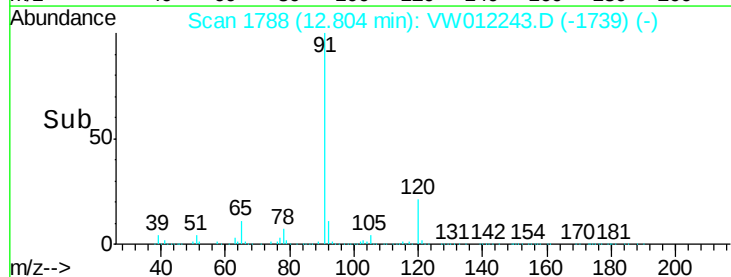
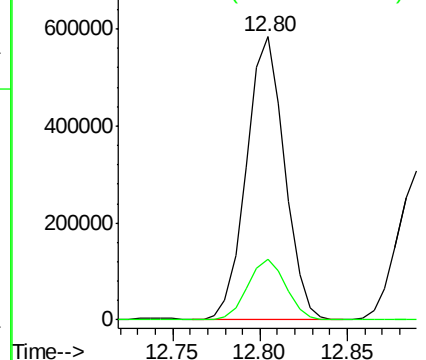
Acq: 28 Aug 2019 10:13

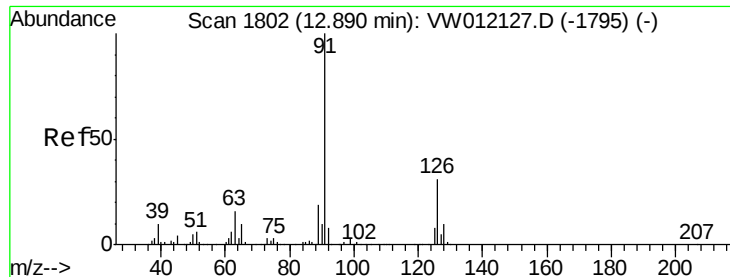
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.5	31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.294 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 492407

Ion Ratio Lower Upper

91 100

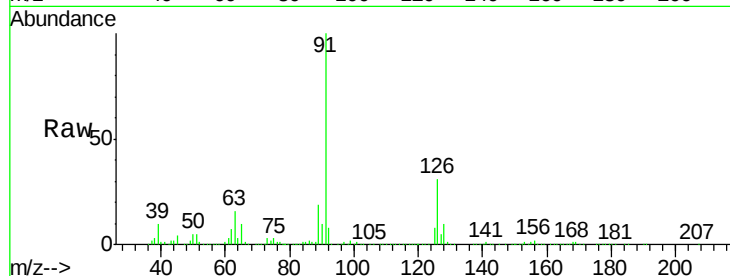
126 31.8 15.7 47.0

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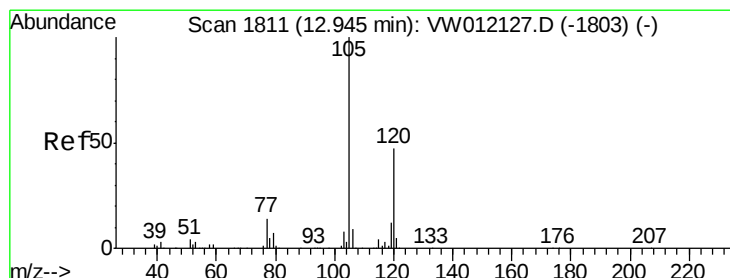
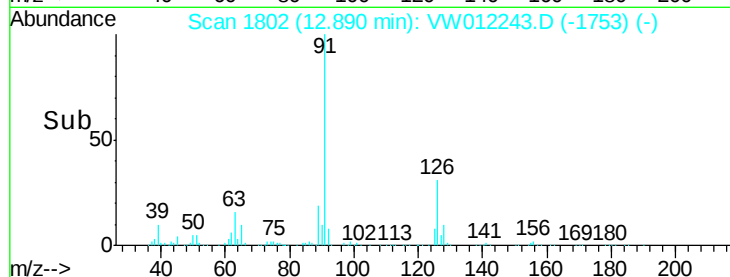
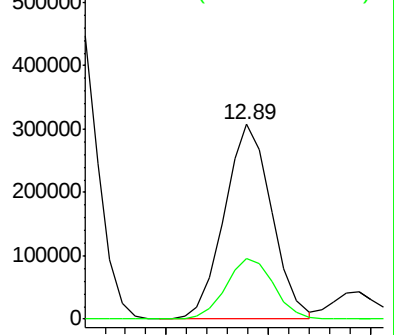
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.601 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012243.D

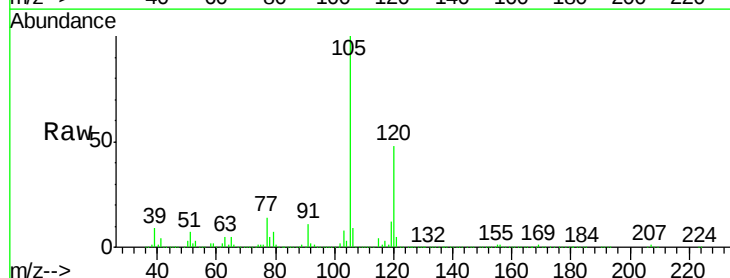
Acq: 28 Aug 2019 10:13

Tgt Ion:105 Resp: 607938

Ion Ratio Lower Upper

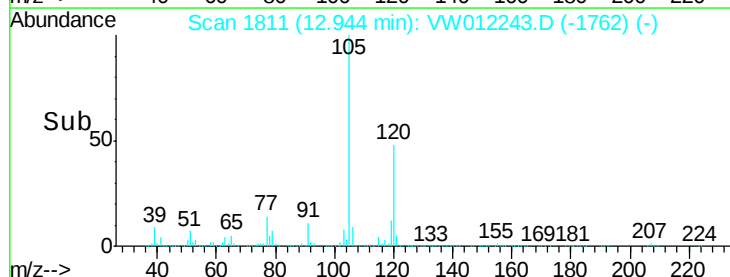
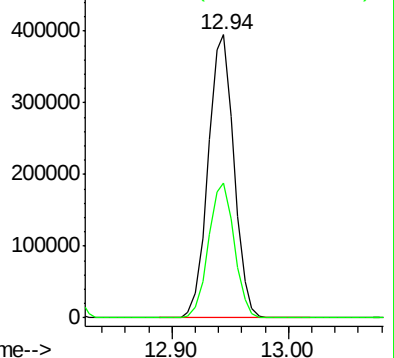
105 100

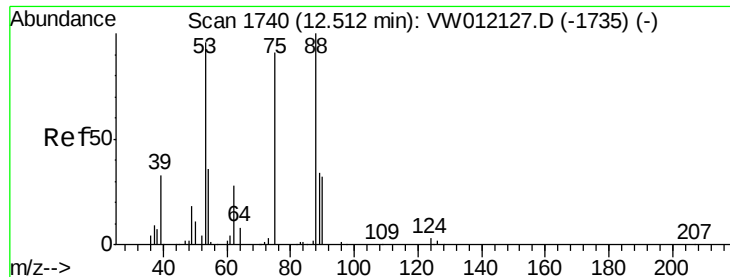
120 47.7 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.408 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

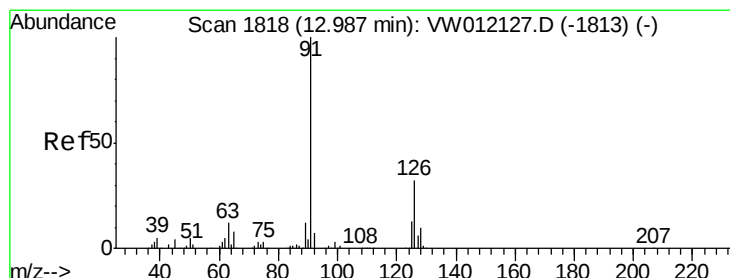
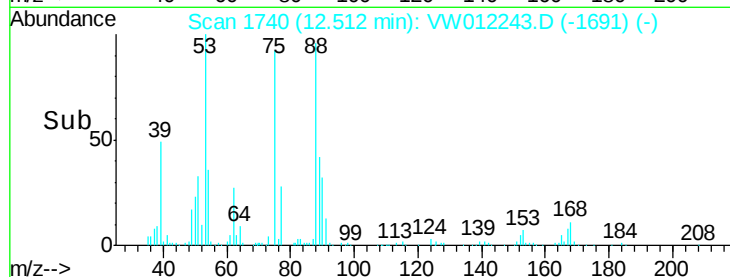
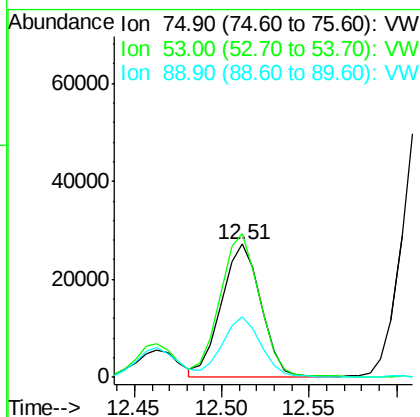
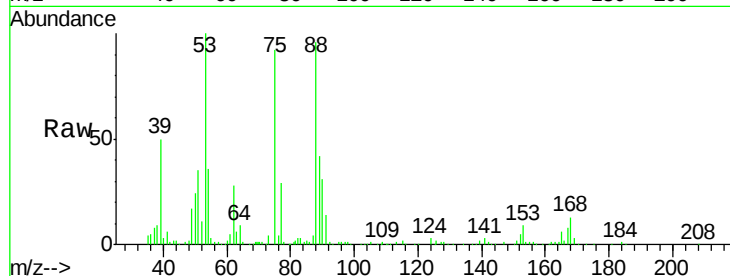
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	42204
Ion	Ratio	Lower	Upper
75	100		
53	107.4	89.4	134.0
89	44.1	34.5	51.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.524 ug/l

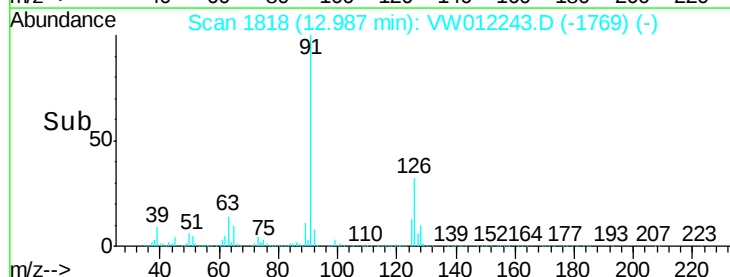
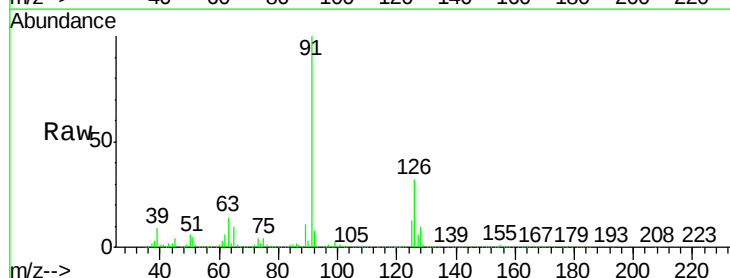
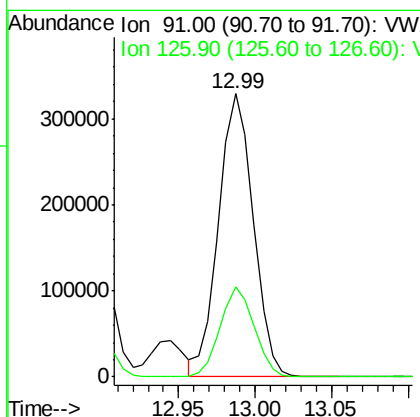
RT: 12.99 min Scan# 1818

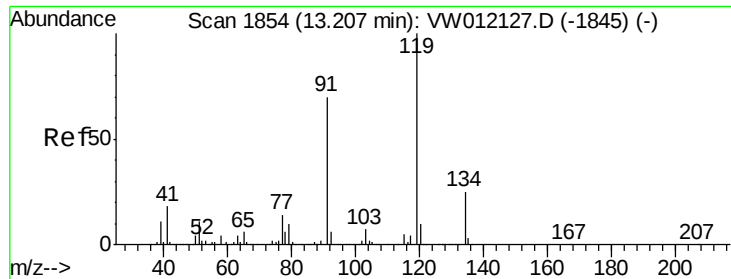
Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	91	Resp:	517767
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





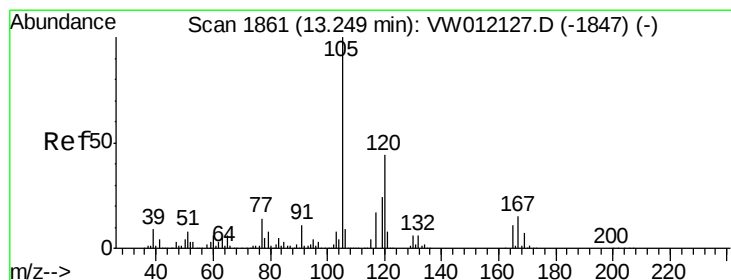
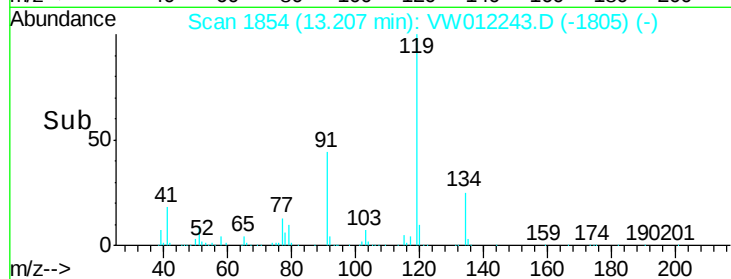
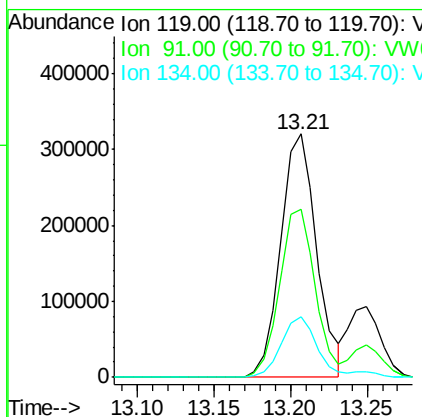
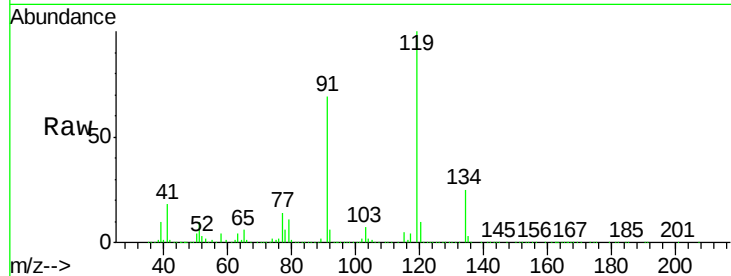
#83
tert-Butylbenzene
Concen: 56.420 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.8	104.3
134	24.6	13.3	39.8

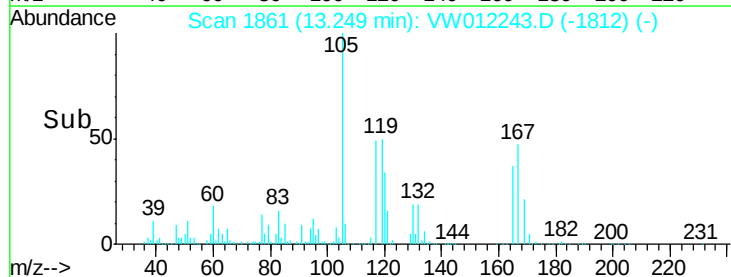
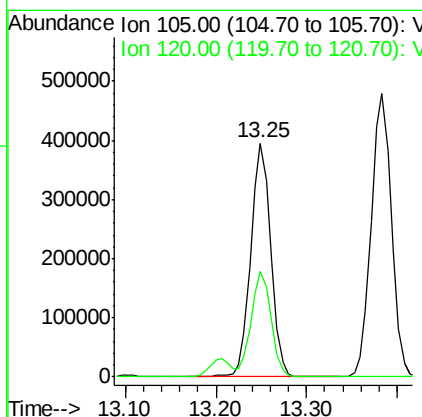
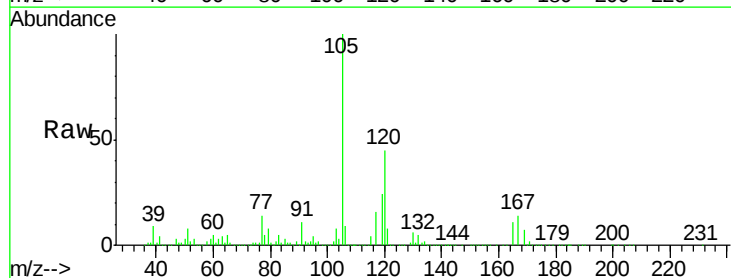
Manual Integrations
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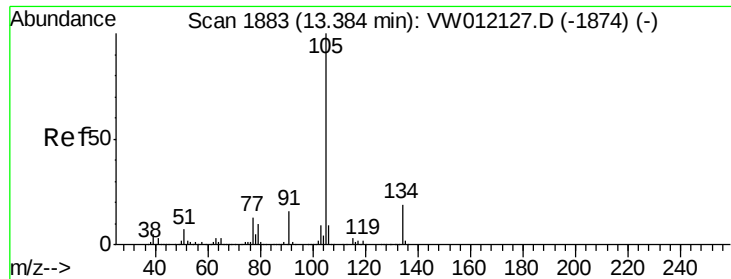
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#84
1,2,4-Trimethylbenzene
Concen: 54.961 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.9	65.7





#85

sec-Butylbenzene

Concen: 55.717 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 739322

Ion Ratio Lower Upper

105 100

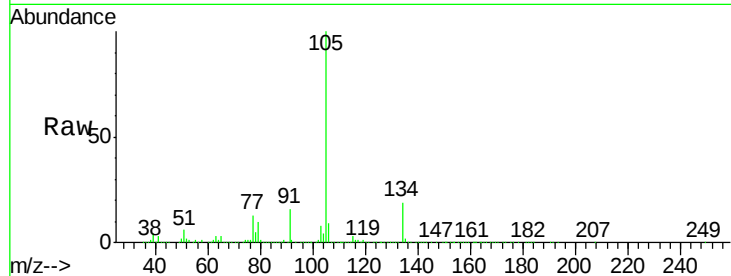
134 19.5 9.8 29.4

Manual Integrations

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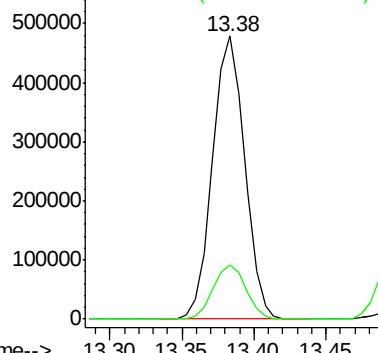
MMDadoda

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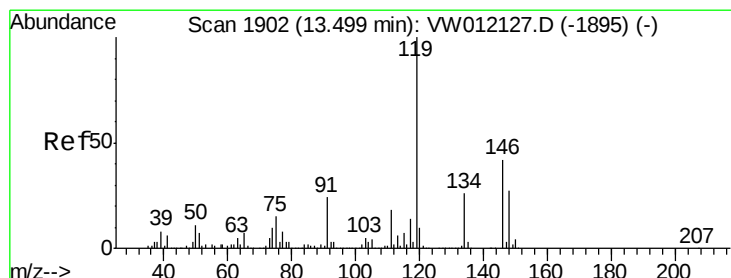
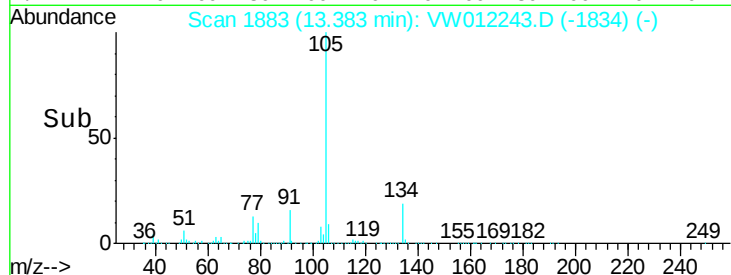


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 56.635 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

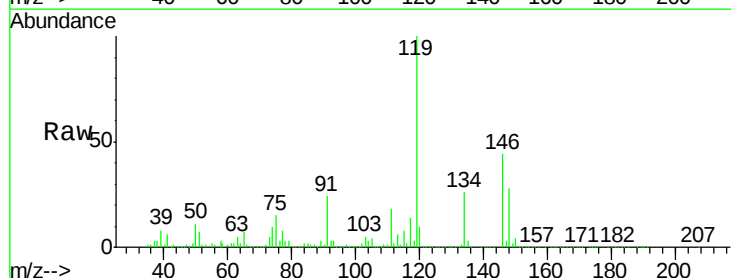
Tgt Ion:119 Resp: 671138

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

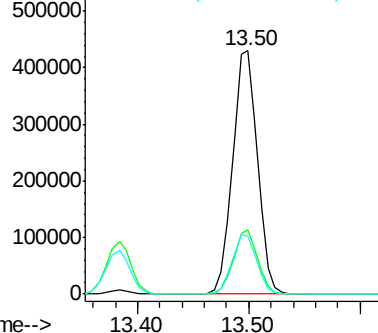
91 24.1 12.3 36.9



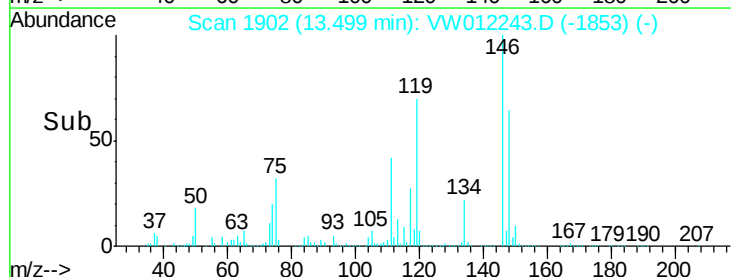
Abundance Ion 119.00 (118.70 to 119.70): V

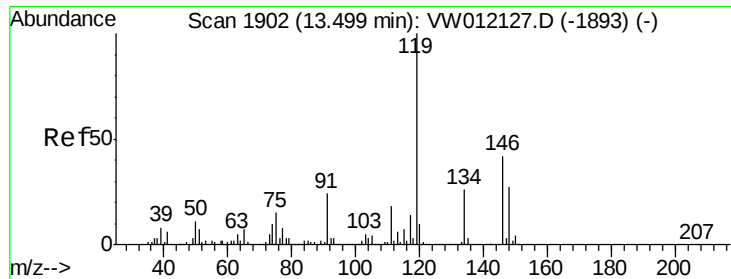
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





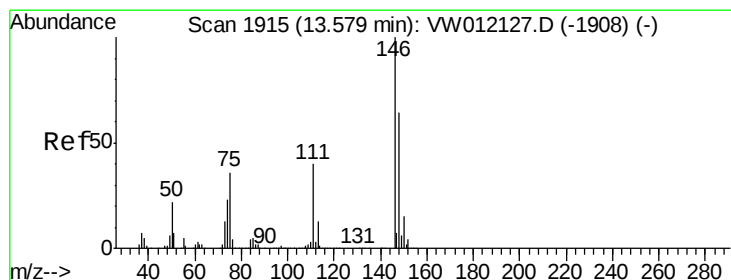
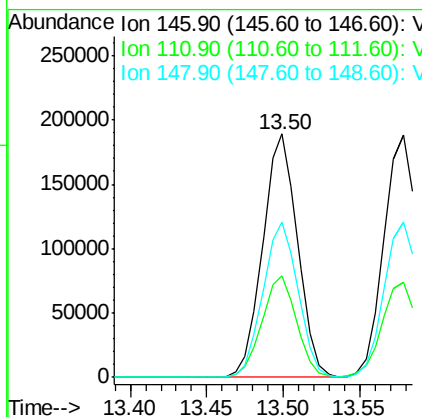
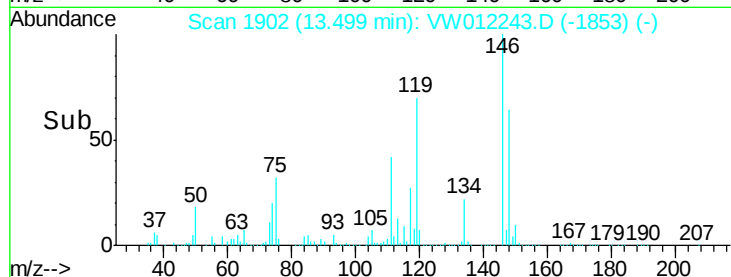
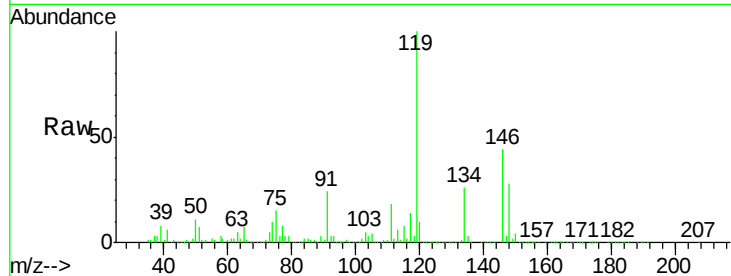
#87
 1,3-Dichlorobenzene
 Concen: 54.195 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012243.D
 Acq: 28 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	300075		
111	41.4	20.9	62.7	
148	64.3	32.2	96.6	

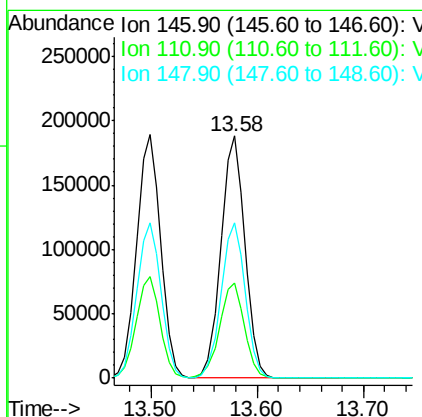
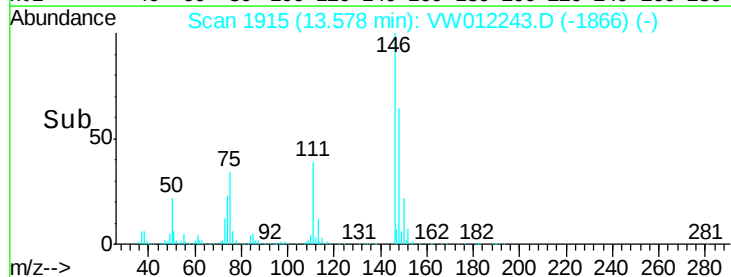
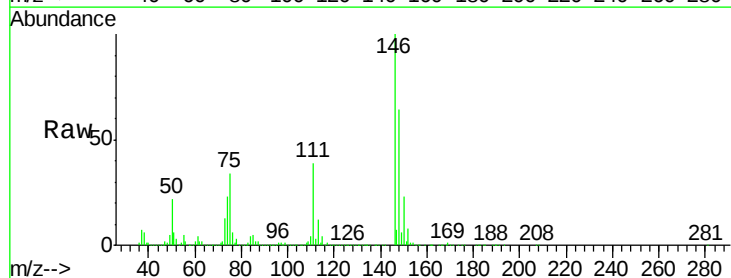
Manual Integrations
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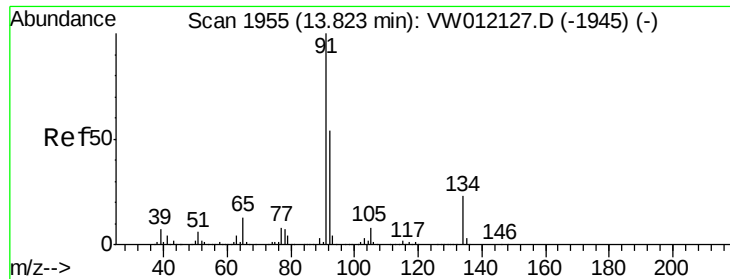
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#88
 1,4-Dichlorobenzene
 Concen: 53.840 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012243.D
 Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	296004		
111	40.0	20.0	60.0	
148	64.4	32.1	96.3	





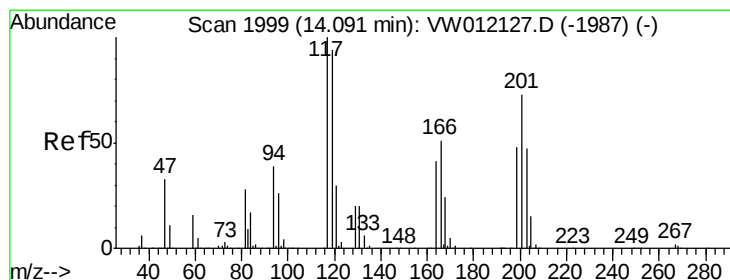
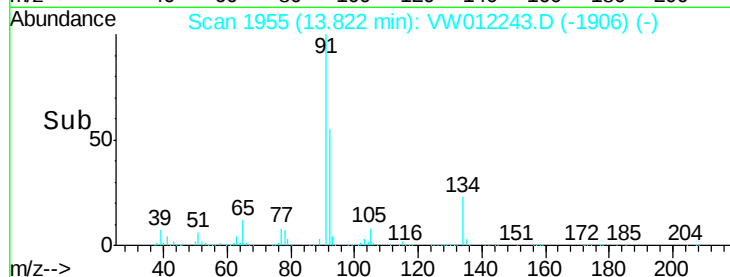
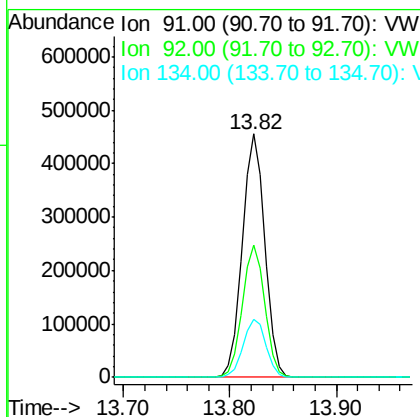
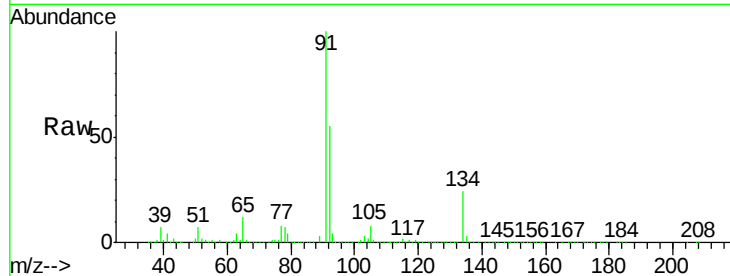
#89
n-Butylbenzene
Concen: 57.399 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	24.3	12.2	36.4

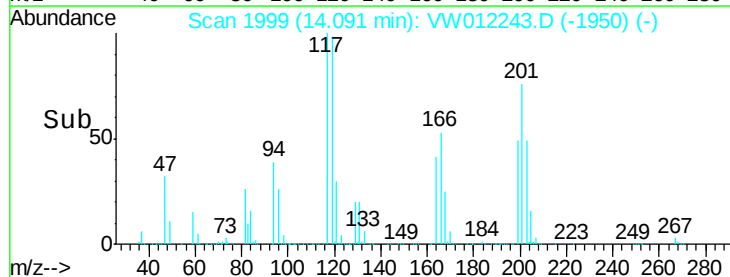
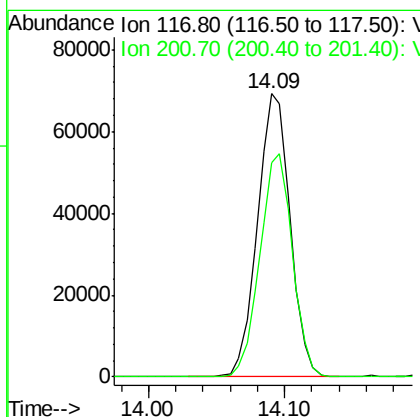
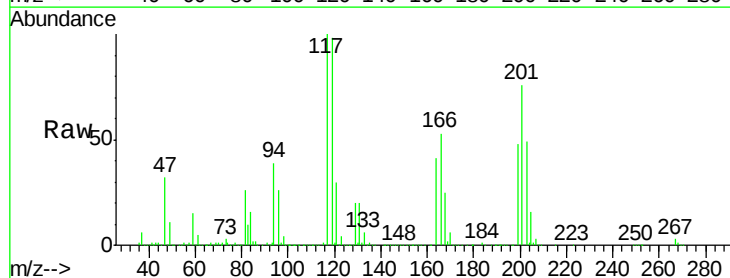
Manual Integrations
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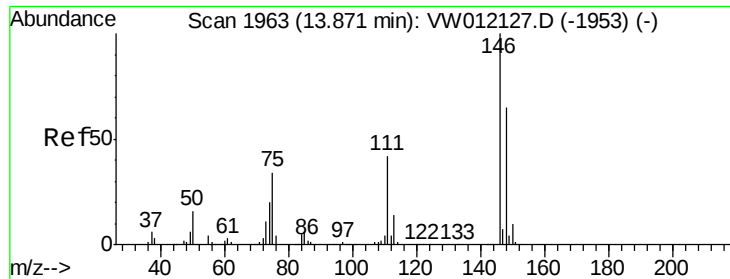
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#90
Hexachloroethane
Concen: 55.872 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	38.6	115.7





#91

1,2-Dichlorobenzene

Concen: 54.311 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Instrument :

MSVOA_W

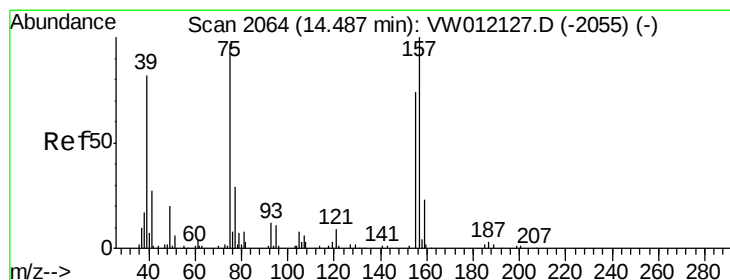
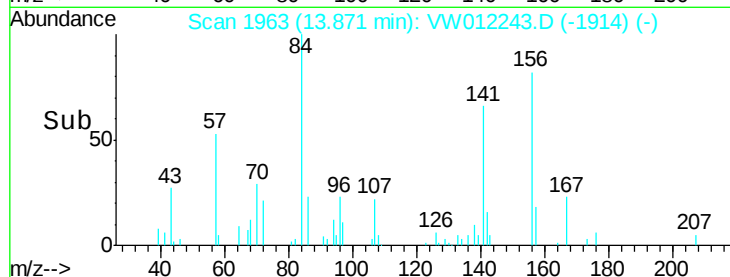
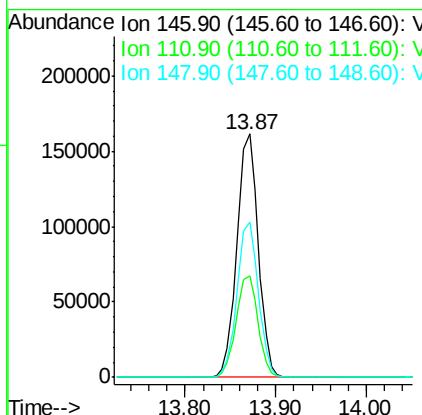
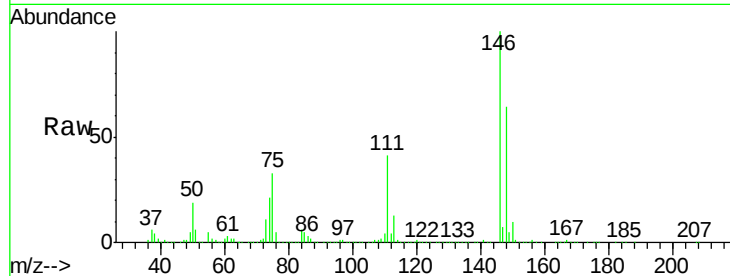
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	263810
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.2	63.6
148	64.0	32.5	97.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.000 ug/l

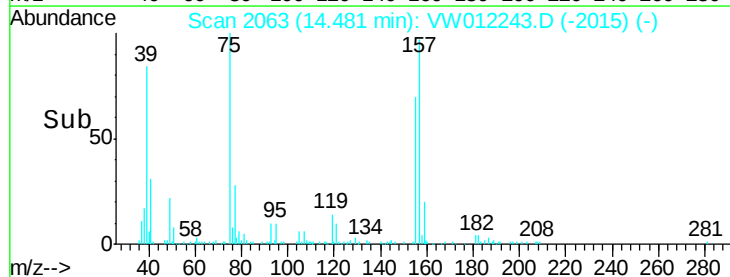
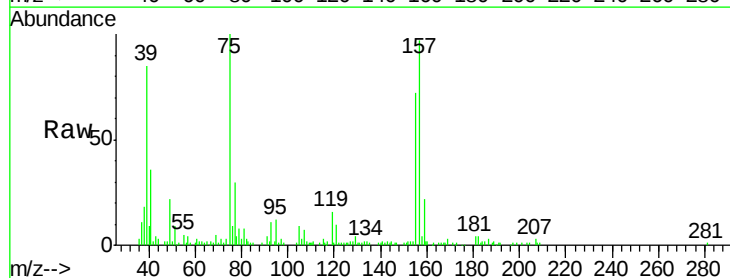
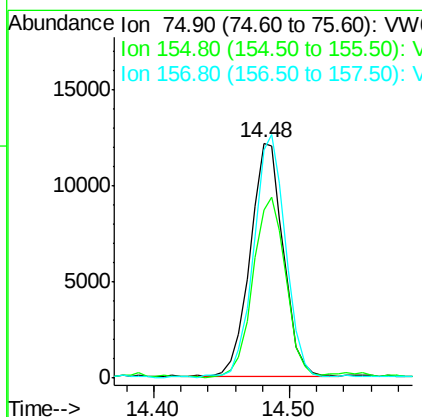
RT: 14.48 min Scan# 2063

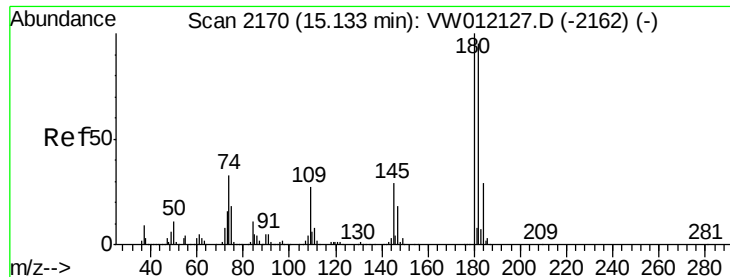
Delta R.T. -0.01 min

Lab File: VW012243.D

Acq: 28 Aug 2019 10:13

Tgt Ion:	75	Resp:	20625
Ion Ratio	Lower	Upper	
75	100		
155	77.9	37.5	112.3
157	101.3	50.5	151.5





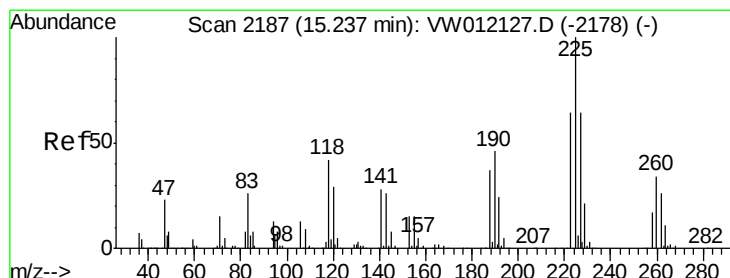
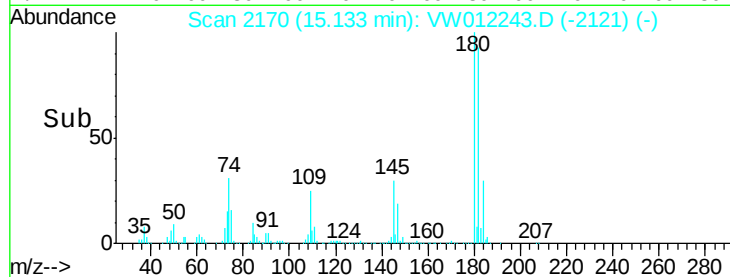
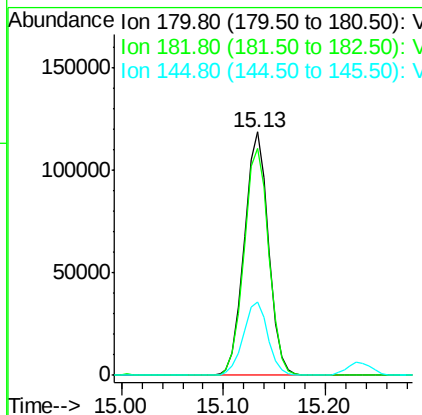
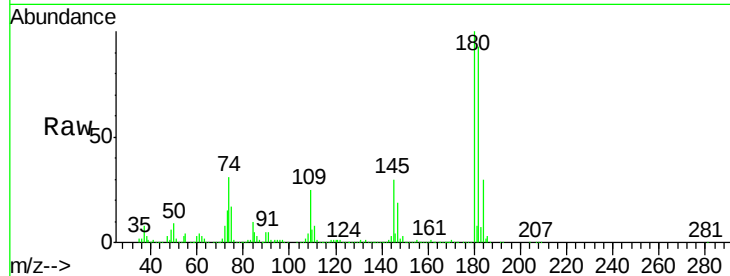
#93
 1,2,4-Trichlorobenzene
 Concen: 58.090 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012243.D
 Acq: 28 Aug 2019 10:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	194992		
182	95.4	47.8	143.4	
145	30.7	15.0	45.1	

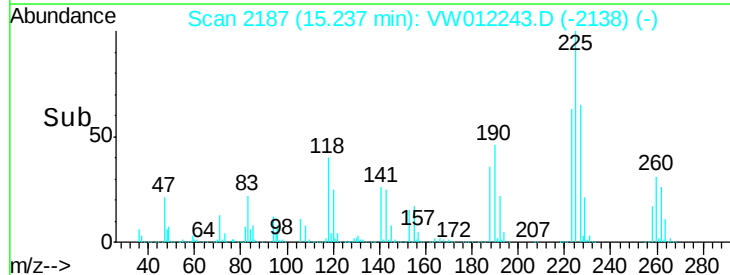
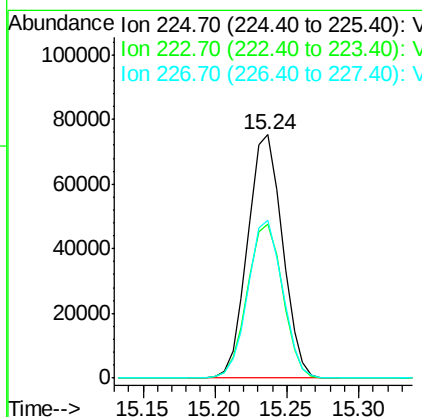
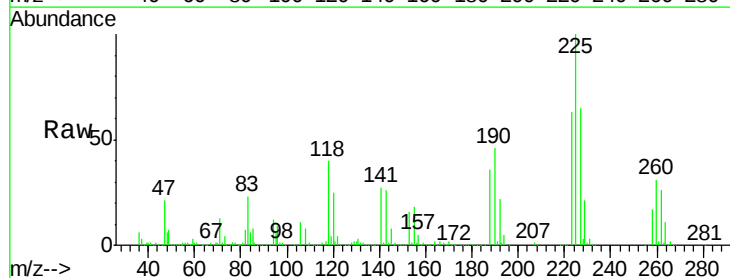
Manual Integrations
 APPROVED

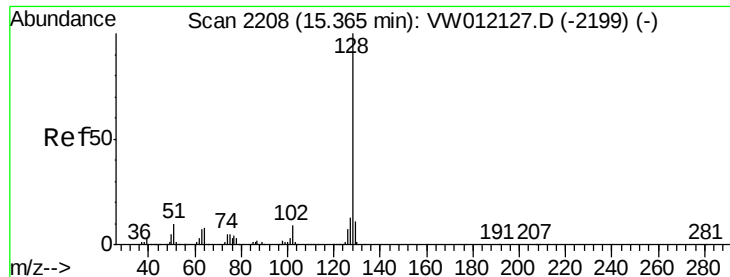
MMDadoda
 8/29/2019 9:41:51 AM



#94
 Hexachlorobutadiene
 Concen: 56.921 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012243.D
 Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126163		
223	64.0	32.3	96.8	
227	64.3	32.9	98.6	





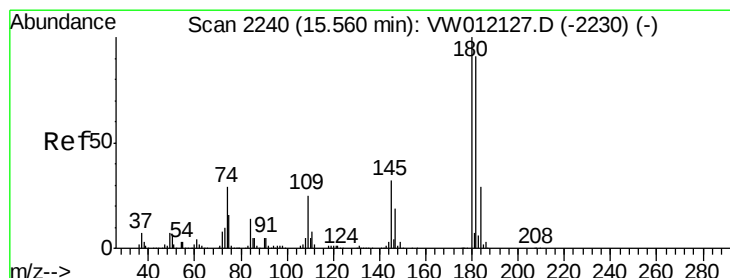
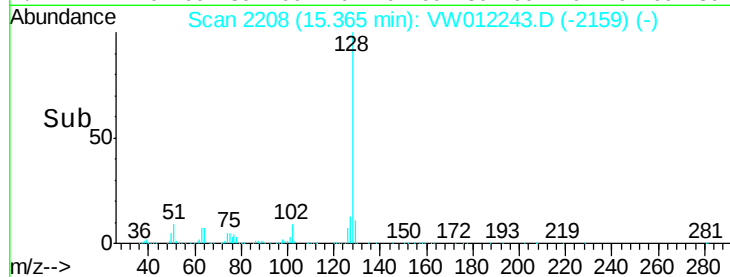
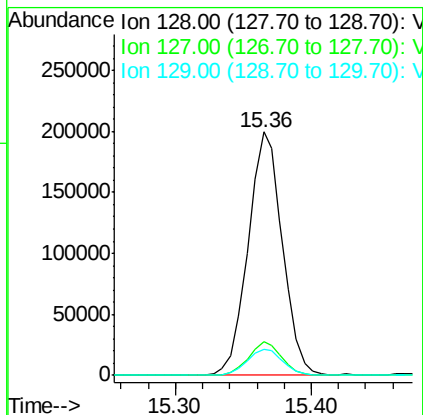
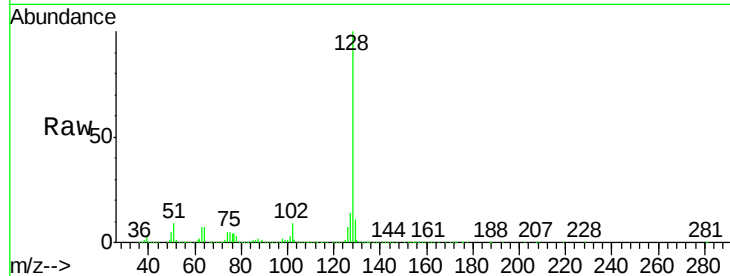
#95
Naphthalene
Concen: 52.929 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/29/2019 9:41:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 58.105 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012243.D
Acq: 28 Aug 2019 10:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.1	141.3
145	32.8	16.2	48.5

