

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012034.D
 Acq On : 20 Aug 2019 16:27
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:29:53 AM

Quant Time: Aug 21 01:51:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	257003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170443	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142112	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	7.88	113	119159	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	10.32	98	485828	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
62) 4-Bromofluorobenzene	12.62	95	174082	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	76942	53.719	ug/l	97
3) Chloromethane	2.21	50	125644	50.588	ug/l	100
4) Vinyl Chloride	2.36	62	159582	53.369	ug/l	99
5) Bromomethane	2.78	94	83366	50.369	ug/l	100
6) Chloroethane	2.92	64	92849	54.360	ug/l	98
7) Trichlorofluoromethane	3.26	101	82022	61.378	ug/l	96
8) Diethyl Ether	3.68	74	79267	52.316	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	142675	56.282	ug/l	99
10) Methyl Iodide	4.27	142	196330	54.804	ug/l	99
11) Tert butyl alcohol	5.16	59	53667	246.139	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	147198	54.995	ug/l	98
13) Acrolein	3.89	56	50457	238.285	ug/l	99
14) Allyl chloride	4.67	41	309232	54.320	ug/l	100
15) Acrylonitrile	5.36	53	200255	264.765	ug/l	99
16) Acetone	4.12	43	222059	236.550	ug/l	100
17) Carbon Disulfide	4.38	76	423159	50.513	ug/l	100
18) Methyl Acetate	4.67	43	106508	50.505	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	230014	54.154	ug/l	95
20) Methylene Chloride	4.92	84	158027	48.811	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	152824	52.960	ug/l	96
22) Diisopropyl ether	6.31	45	567052	52.832	ug/l	98
23) Vinyl Acetate	6.25	43	1805559	267.721	ug/l	100
24) 1,1-Dichloroethane	6.21	63	308683	53.700	ug/l	99
25) 2-Butanone	7.16	43	300457	244.598	ug/l	98
26) 2,2-Dichloropropane	7.16	77	175416	49.621	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	165212	52.020	ug/l	99
28) Bromochloromethane	7.51	49	138558	54.306	ug/l #	99
29) Tetrahydrofuran	7.52	42	184806	263.201	ug/l	99
30) Chloroform	7.68	83	279262	52.659	ug/l	97
31) Cyclohexane	7.95	56	283335	51.349	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	223023	55.221	ug/l	99
36) 1,1-Dichloropropene	8.08	75	235601	55.749	ug/l	99
37) Ethyl Acetate	7.25	43	127193	52.313	ug/l	98
38) Carbon Tetrachloride	8.07	117	202809	56.058	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	266954	57.367	ug/l	98
40) Benzene	8.32	78	636046	53.731	ug/l	100
41) Methacrylonitrile	7.48	41	79298	54.560	ug/l	98
42) 1,2-Dichloroethane	8.40	62	193911	52.321	ug/l	98
43) Isopropyl Acetate	8.42	43	243815	54.527	ug/l	100
44) Trichloroethene	9.09	130	157936	55.511	ug/l	97
45) 1,2-Dichloropropane	9.37	63	171783	54.236	ug/l	100
46) Dibromomethane	9.46	93	77002	53.266	ug/l	98
47) Bromodichloromethane	9.65	83	207358	54.682	ug/l	99
48) Methyl methacrylate	9.43	41	118583	55.208	ug/l	97
49) 1,4-Dioxane	9.45	88	23396	1117.731	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	633925	272.558	ug/l	100
52) Toluene	10.39	92	392514	54.908	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	215765	54.469	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	259097	55.011	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	109562	53.416	ug/l	99
56) Ethyl methacrylate	10.65	69	169615	56.511	ug/l	99
57) 1,3-Dichloropropane	10.93	76	209917	54.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	427172	313.457	ug/l	100
59) 2-Hexanone	10.97	43	454310	276.648	ug/l	99
60) Dibromochloromethane	11.13	129	125649	55.187	ug/l	99
61) 1,2-Dibromoethane	11.24	107	104364	53.767	ug/l	100
64) Tetrachloroethene	10.86	164	128117	56.549	ug/l	100
65) Chlorobenzene	11.66	112	390098	55.763	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	136555	56.040	ug/l	99
67) Ethyl Benzene	11.73	91	770125	57.802	ug/l	100
68) m/p-Xylenes	11.84	106	550247	113.562	ug/l	100
69) o-Xylene	12.16	106	257144	57.110	ug/l	100
70) Styrene	12.18	104	447088	57.429	ug/l	100
71) Bromoform	12.35	173	70817	57.000	ug/l #	98
73) Isopropylbenzene	12.46	105	725439	57.052	ug/l	100
74) N-amyl acetate	12.27	43	232806	58.481	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	132393	55.354	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	90734m	50.310	ug/l	
77) Bromobenzene	12.75	156	157547	56.057	ug/l	99
78) n-propylbenzene	12.80	91	889721	57.495	ug/l	100
79) 2-Chlorotoluene	12.89	91	497966	55.857	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	607100	56.958	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44830	57.288	ug/l	99
82) 4-Chlorotoluene	12.99	91	524622	56.087	ug/l	100
83) tert-Butylbenzene	13.21	119	524168	58.807	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	610564	56.865	ug/l	100
85) sec-Butylbenzene	13.38	105	748560	58.858	ug/l	100
86) p-Isopropyltoluene	13.50	119	674772	58.476	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	307537	55.806	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	302210	55.128	ug/l	100
89) n-Butylbenzene	13.82	91	680436	59.088	ug/l	100
90) Hexachloroethane	14.09	117	117357	57.514	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	274819	56.385	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22041	54.041	ug/l	95

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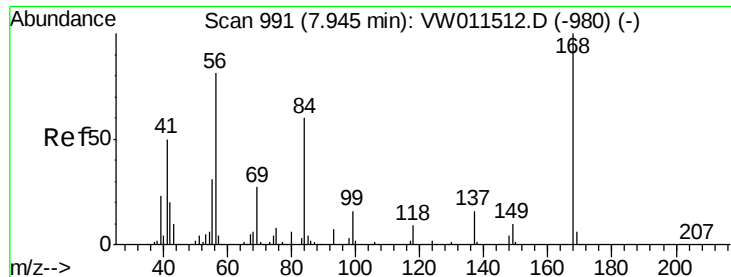
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	198290	57.725	ug/l	99
94) Hexachlorobutadiene	15.24	225	128183	59.838	ug/l	98
95) Naphthalene	15.37	128	361389	53.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	172346	57.238	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 257003

Ion Ratio Lower Upper

168 100

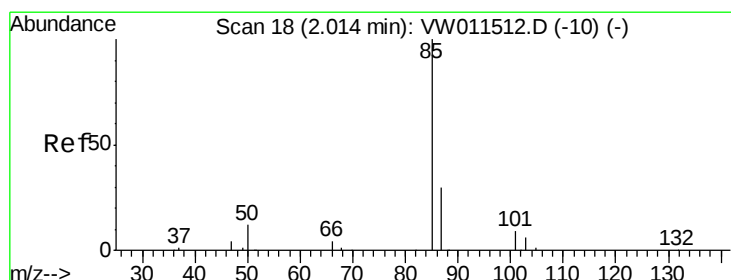
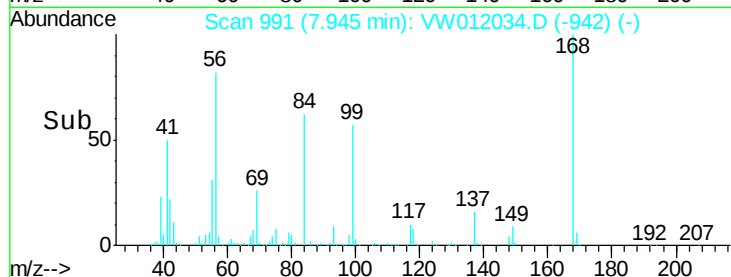
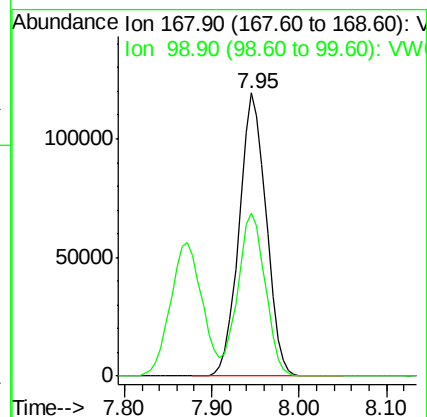
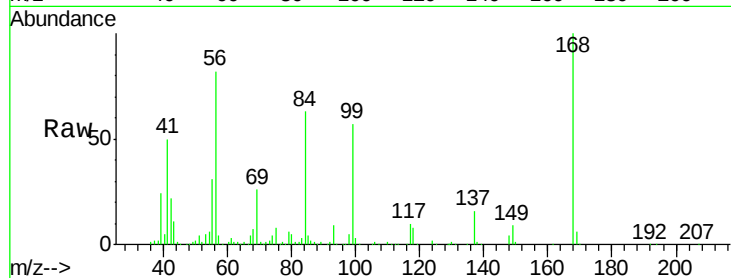
99 57.4 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 53.719 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012034.D

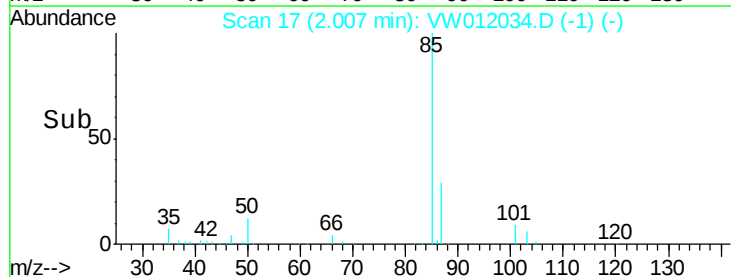
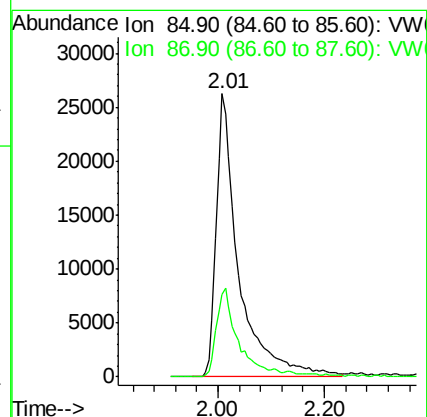
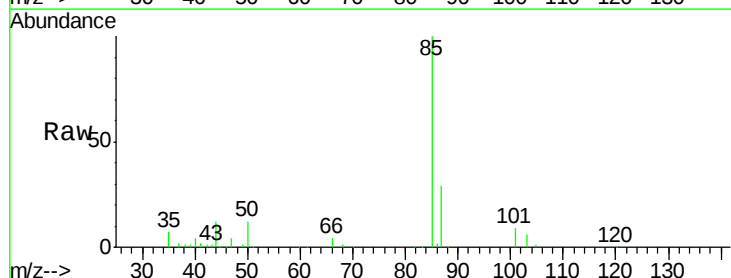
Acq: 20 Aug 2019 16:27

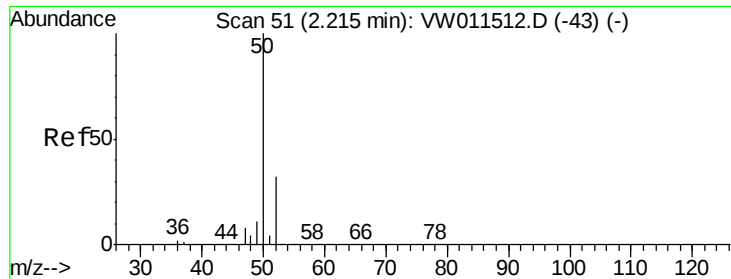
Tgt Ion: 85 Resp: 76942

Ion Ratio Lower Upper

85 100

87 28.9 15.2 45.6





#3

Chloromethane

Concen: 50.588 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 125644

Ion Ratio Lower Upper

50 100

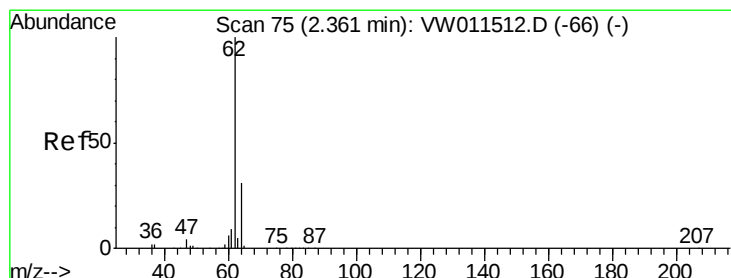
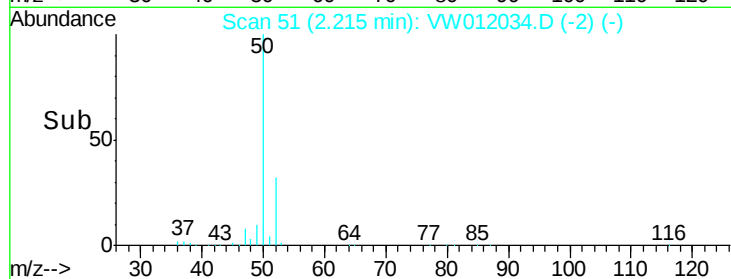
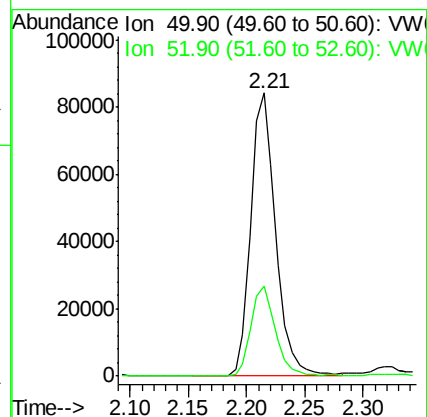
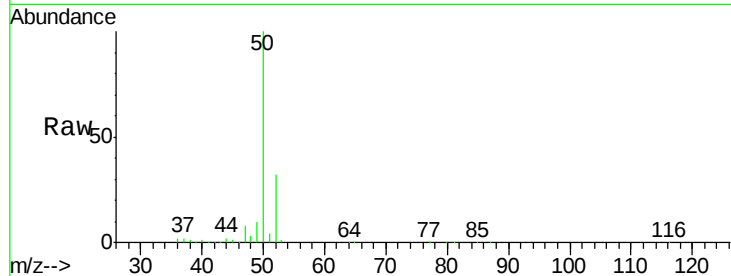
52 31.9 25.4 38.2

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#4

Vinyl Chloride

Concen: 53.369 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012034.D

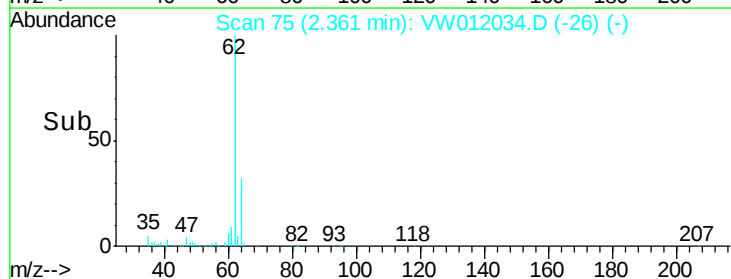
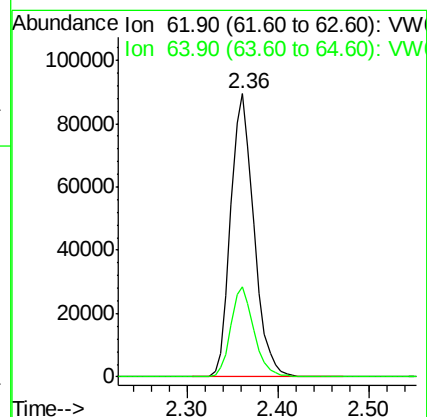
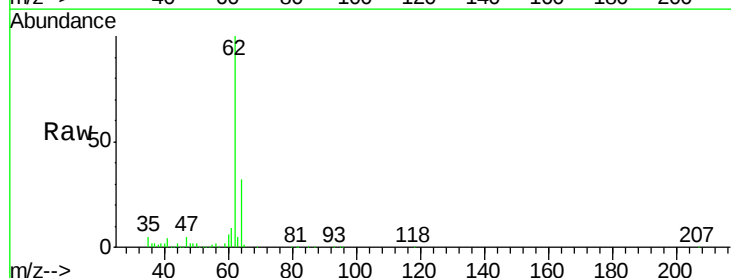
Acq: 20 Aug 2019 16:27

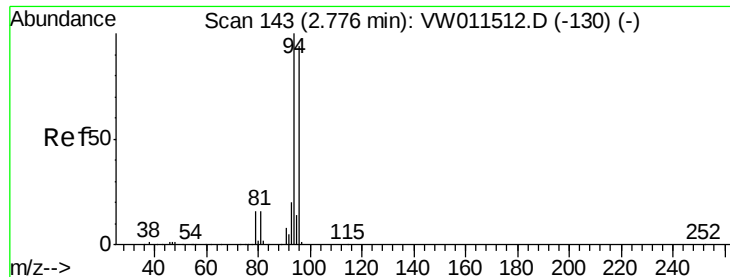
Tgt Ion: 62 Resp: 159582

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 50.369 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 83366

Ion Ratio Lower Upper

94 100

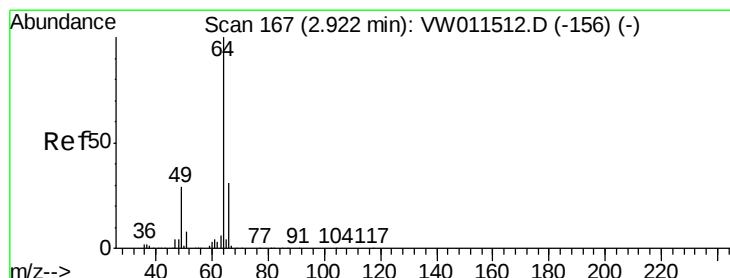
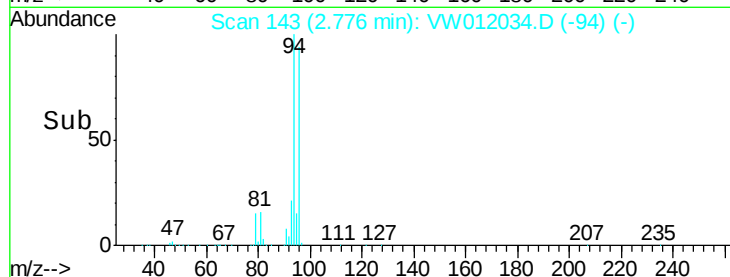
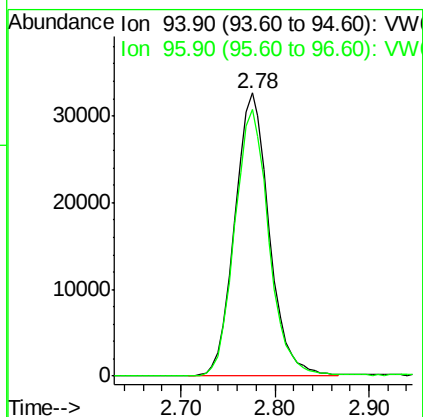
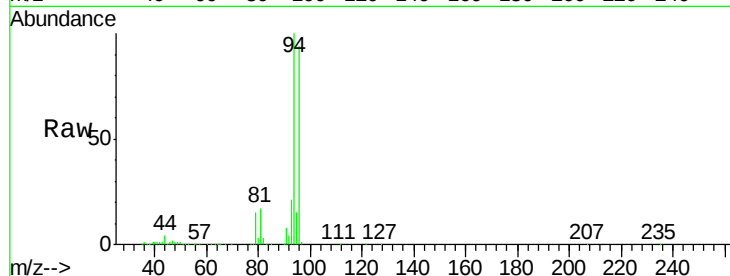
96 94.0 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 54.360 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW012034.D

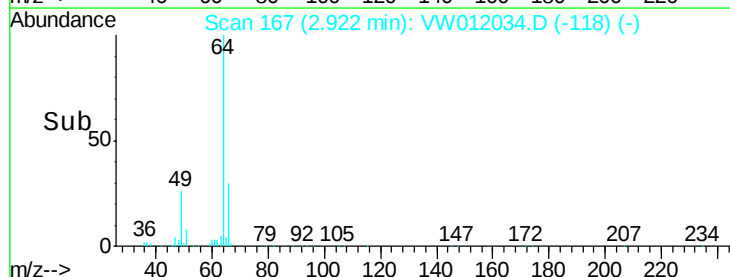
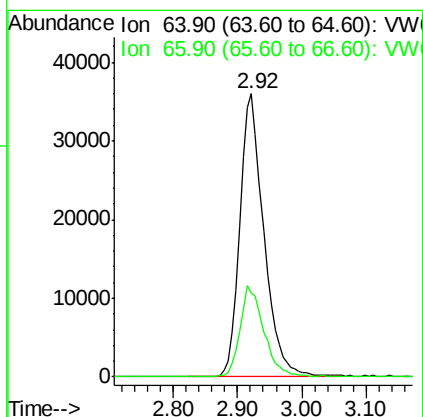
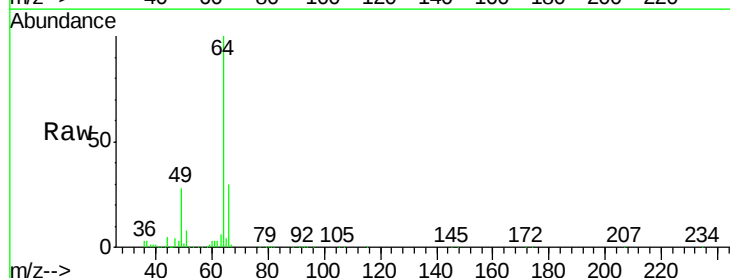
Acq: 20 Aug 2019 16:27

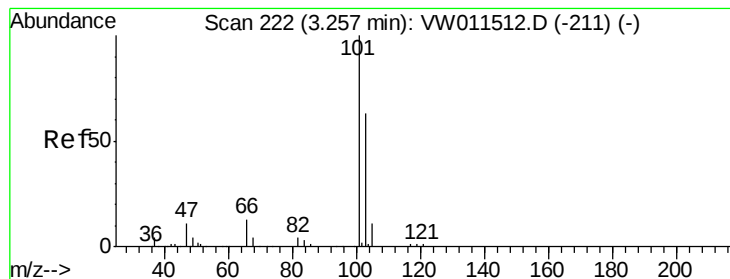
Tgt Ion: 64 Resp: 92849

Ion Ratio Lower Upper

64 100

66 29.7 24.6 36.8





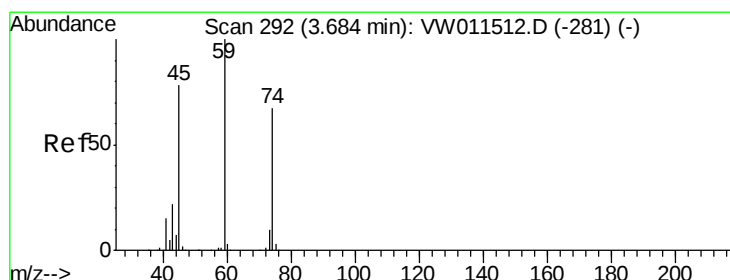
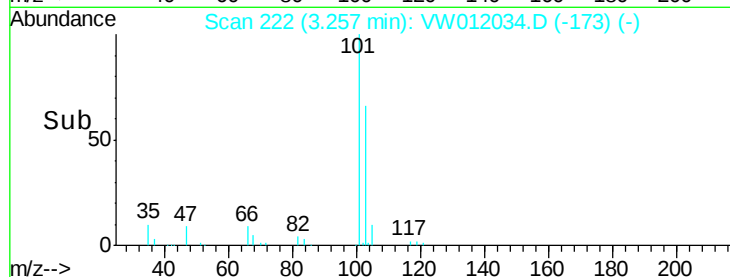
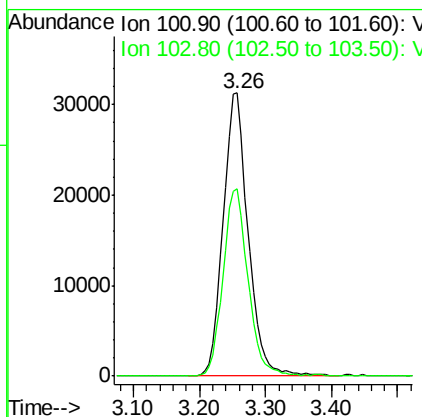
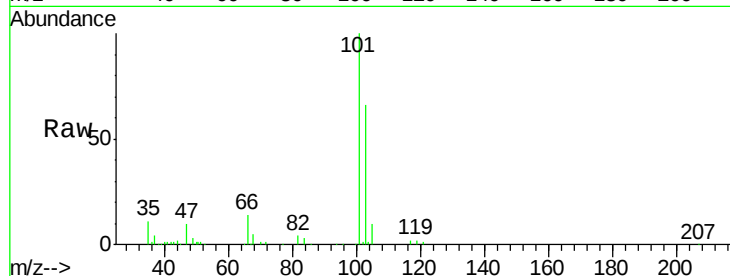
#7
 Trichlorofluoromethane
 Concen: 61.378 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	82022		
103	66.0	50.2	75.4	

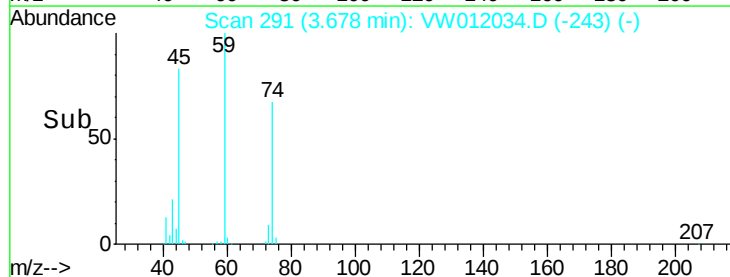
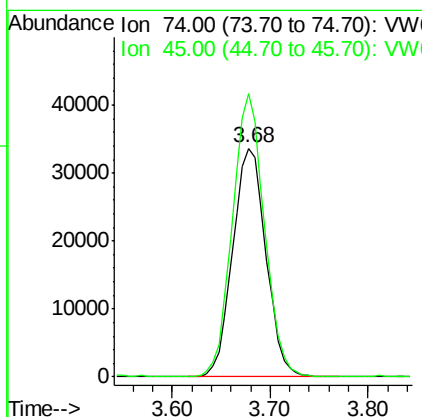
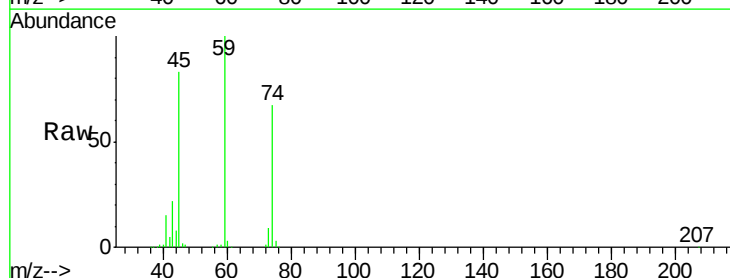
Manual Integrations
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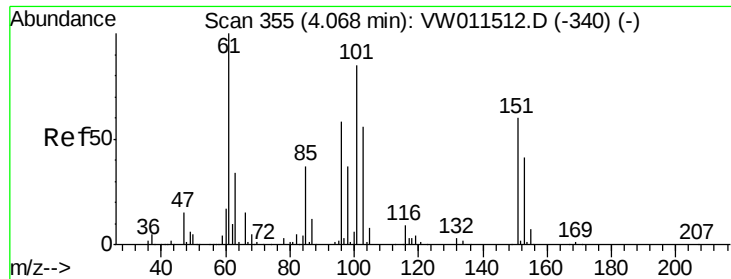
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 8/21/2019 8:29:53 AM



#8
 Diethyl Ether
 Concen: 52.316 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79267		
45	118.7	59.6	178.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.282 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

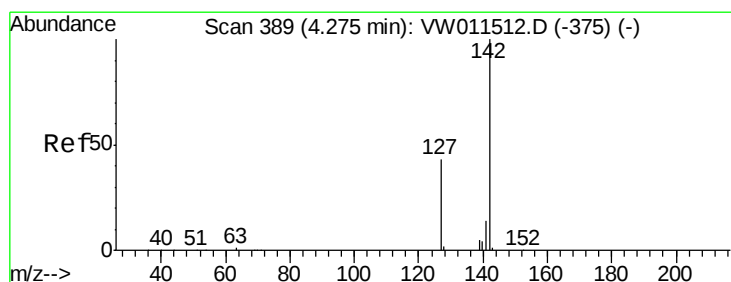
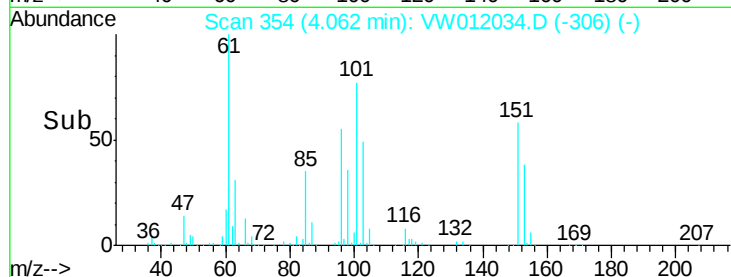
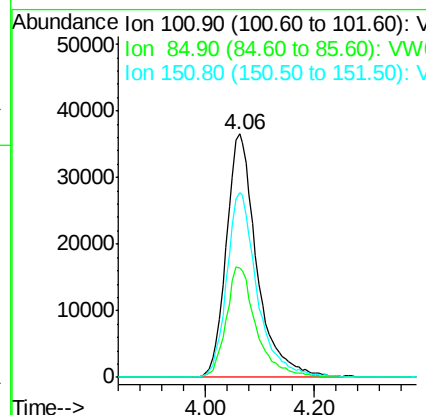
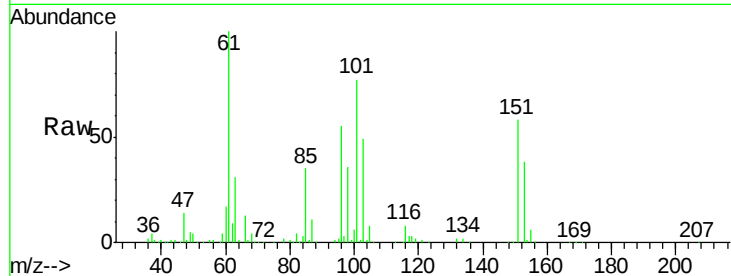
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	142675
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	54.8
151	75.7	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 54.804 ug/l

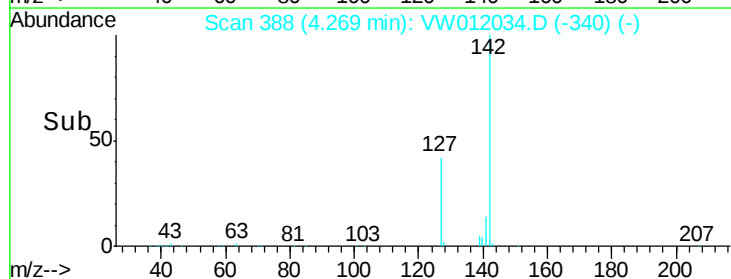
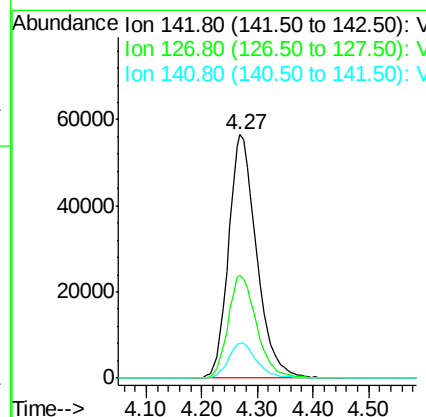
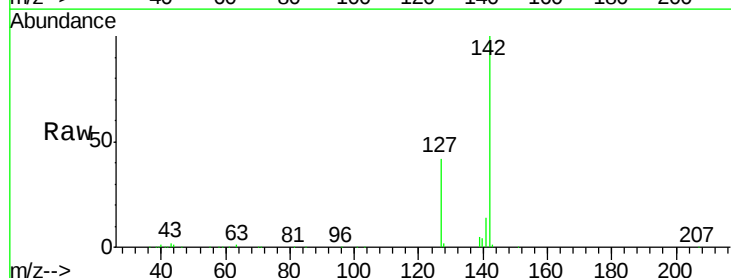
RT: 4.27 min Scan# 388

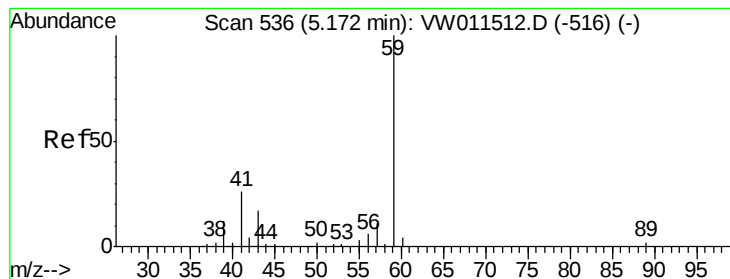
Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion:	142	Resp:	196330
Ion Ratio	Lower	Upper	
142	100		
127	42.9	35.0	52.6
141	14.5	11.9	17.9





#11

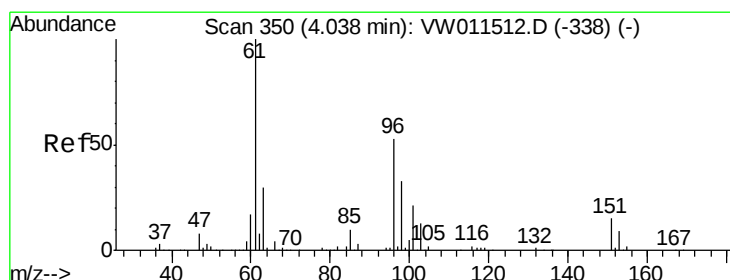
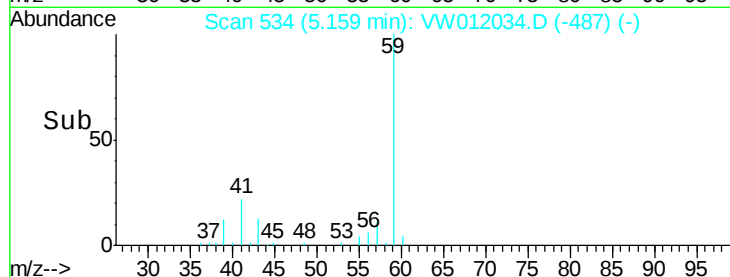
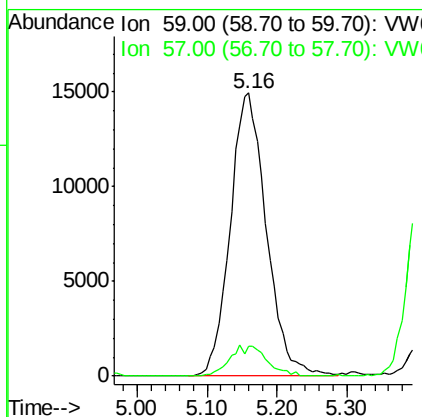
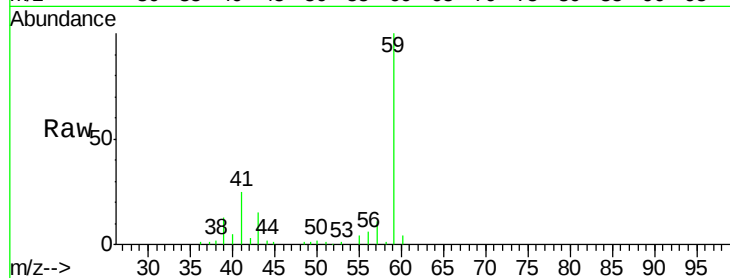
Tert butyl alcohol
 Concen: 246.139 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	53667		
57	4.9		8.5	12.7#

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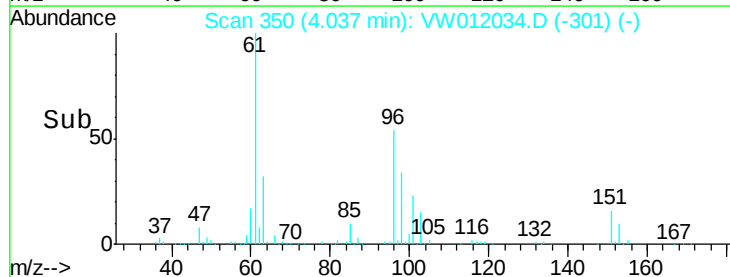
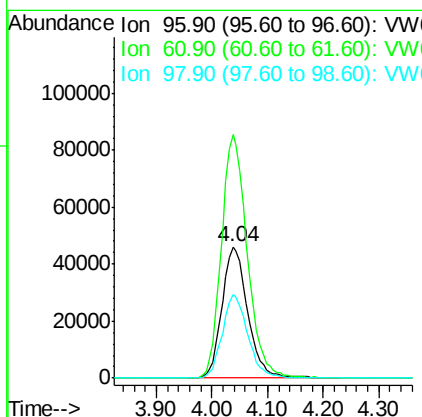
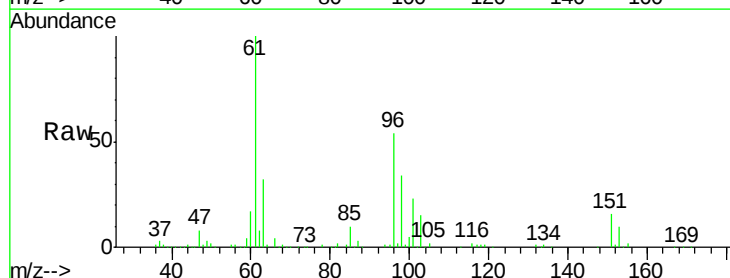
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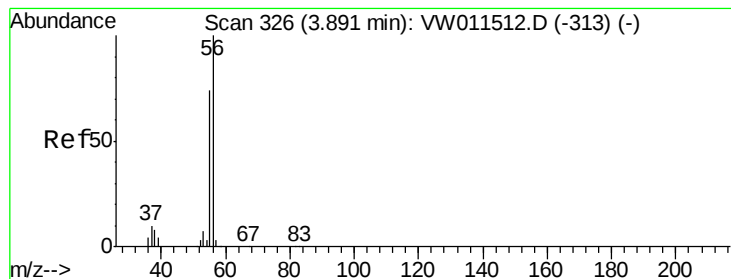


#12

1,1-Dichloroethene
 Concen: 54.995 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	147198		
61	185.1		149.9	224.9
98	63.1		49.1	73.7





#13

Acrolein

Concen: 238.285 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50457

Ion Ratio Lower Upper

56 100

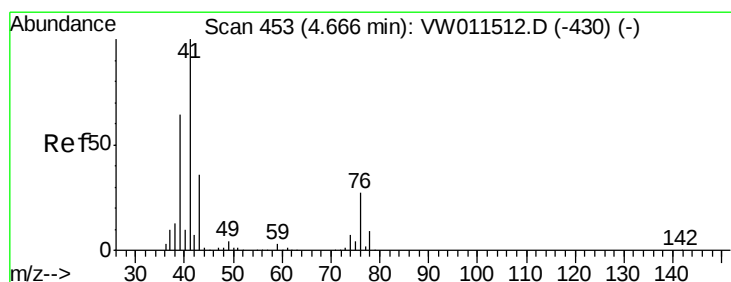
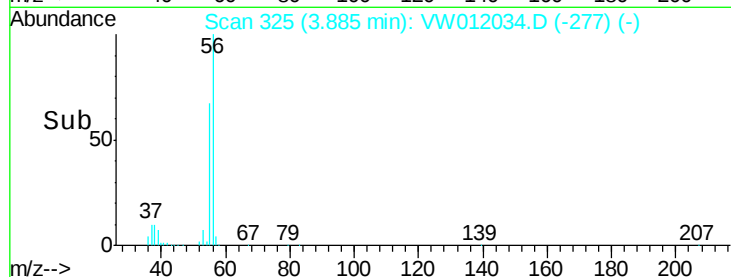
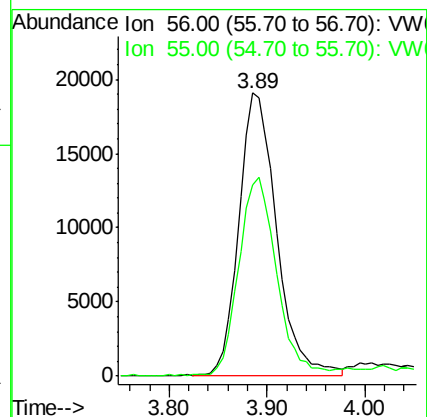
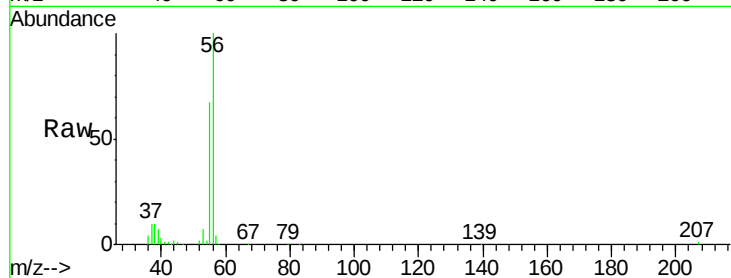
55 70.6 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 54.320 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

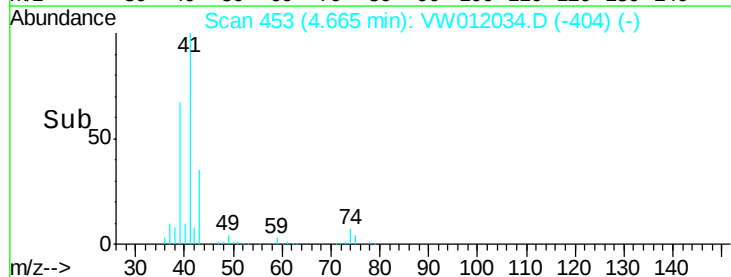
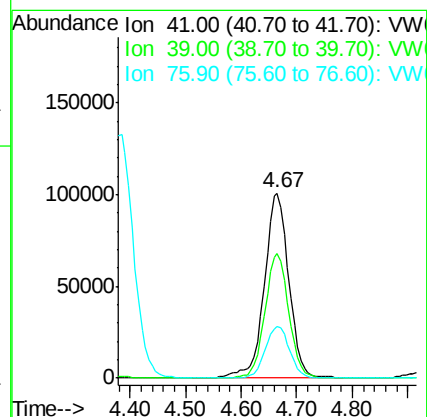
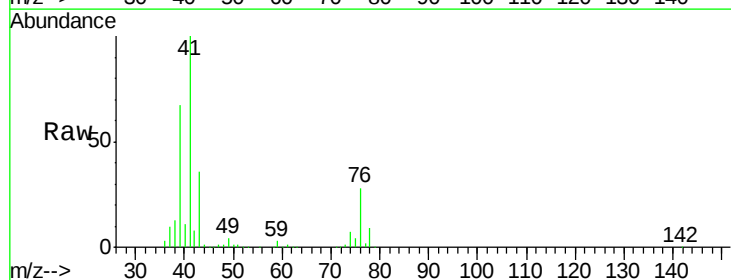
Tgt Ion: 41 Resp: 309232

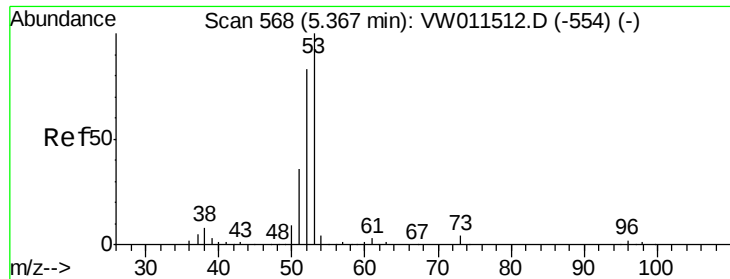
Ion Ratio Lower Upper

41 100

39 65.8 52.6 78.8

76 27.9 22.0 33.0





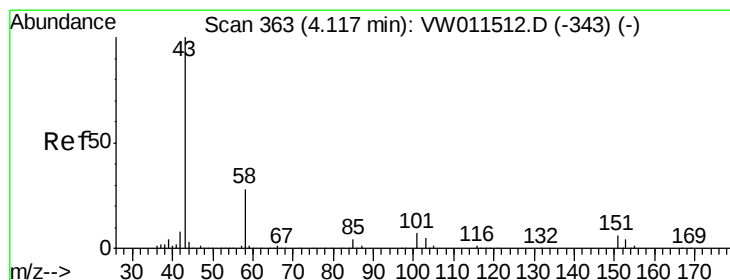
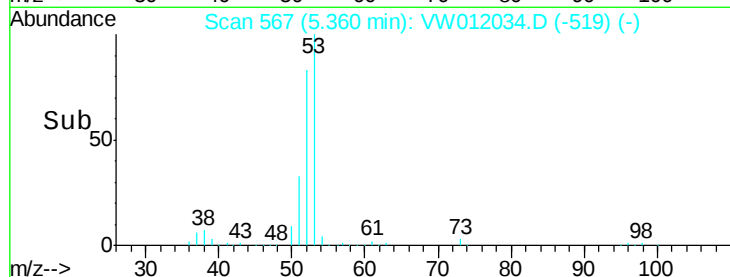
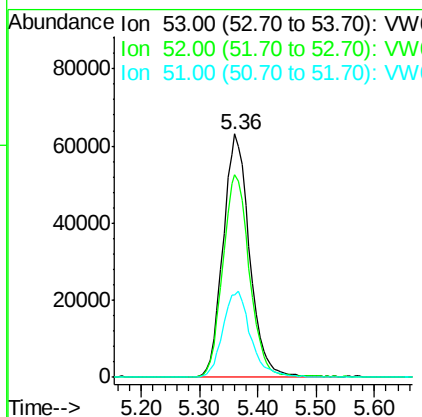
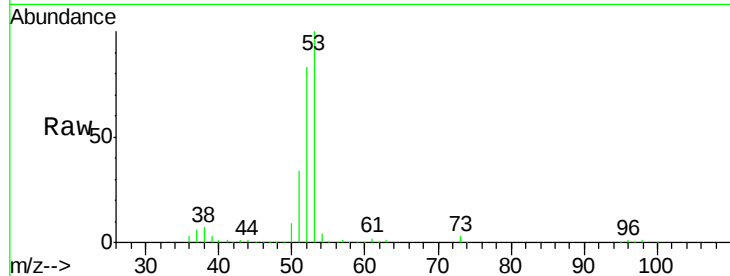
#15
 Acrylonitrile
 Concen: 264.765 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Resp	200255
Ion Ratio	Lower	Upper	
53	100		
52	83.7	67.2	100.8
51	36.7	30.0	45.0

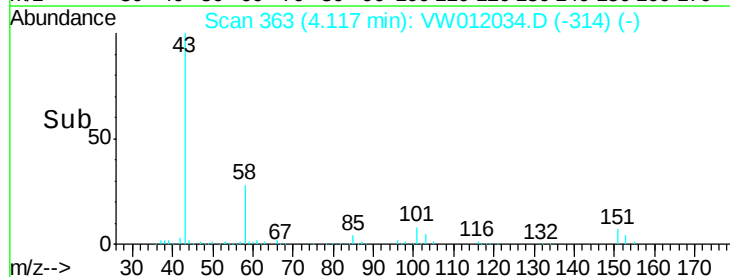
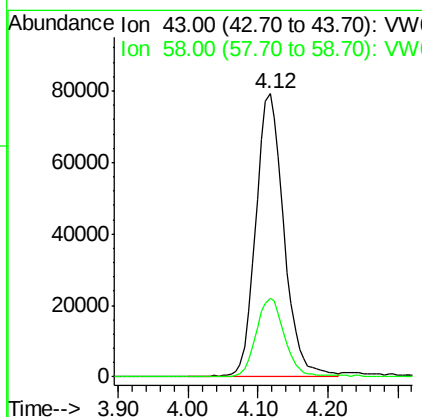
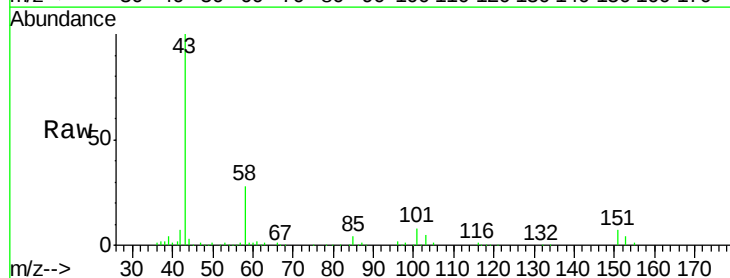
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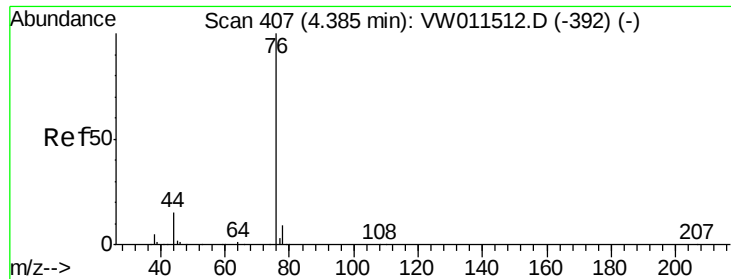
MMDadoda
 8/21/2019 8:29:53 AM



#16
 Acetone
 Concen: 236.550 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	43	Resp	222059
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.3	33.5





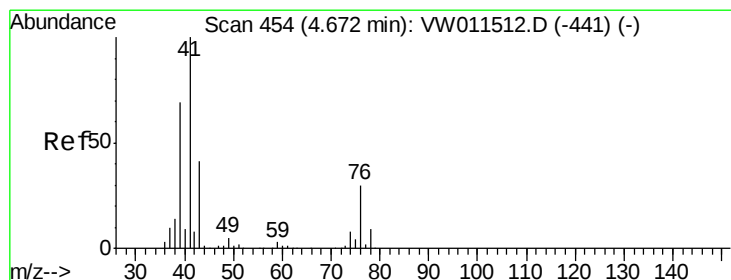
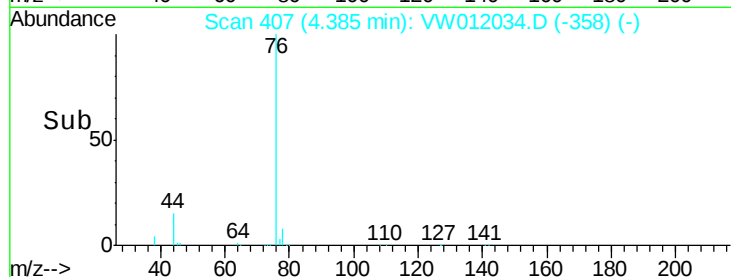
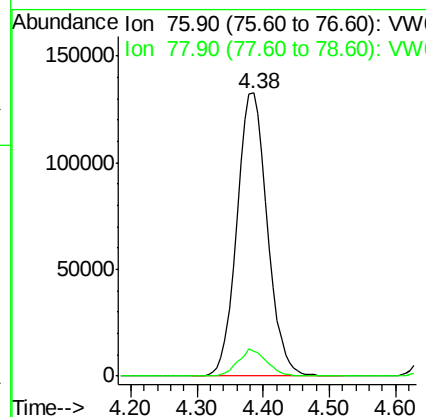
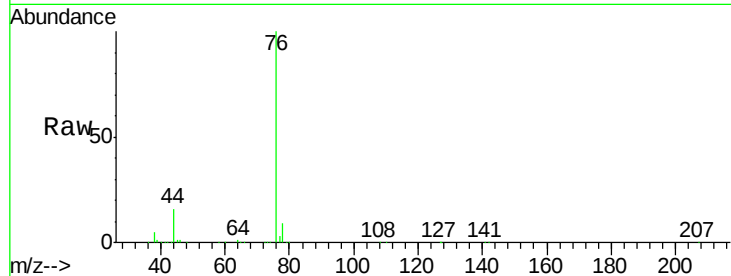
#17
Carbon Disulfide
Concen: 50.513 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

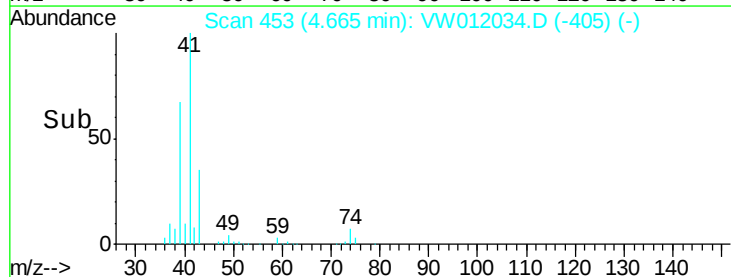
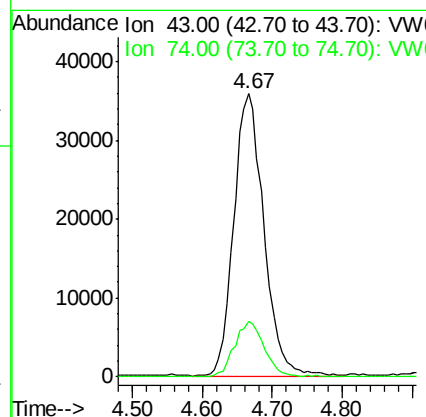
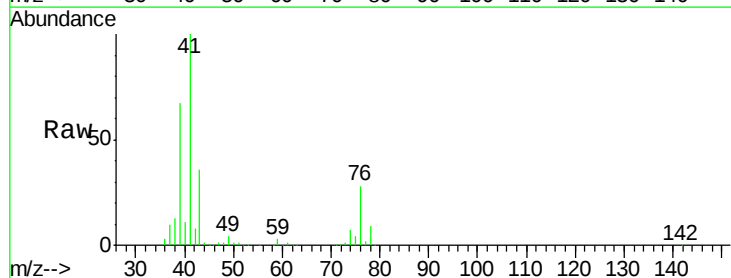
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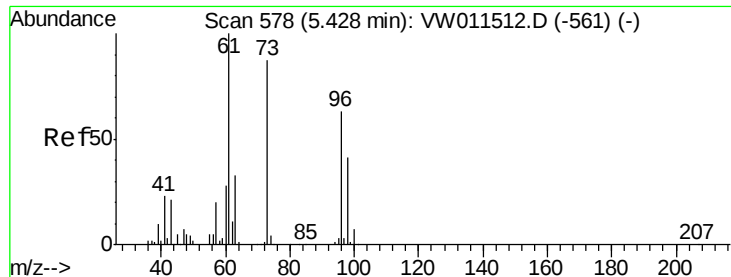
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#18
Methyl Acetate
Concen: 50.505 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.9	23.9





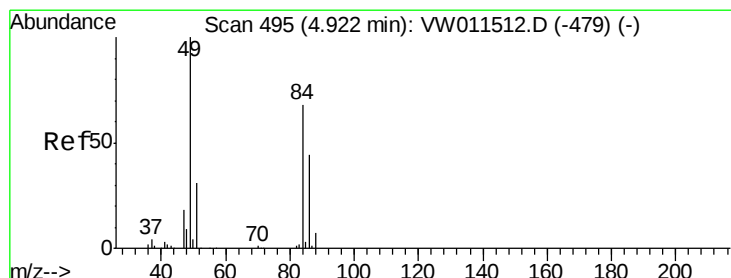
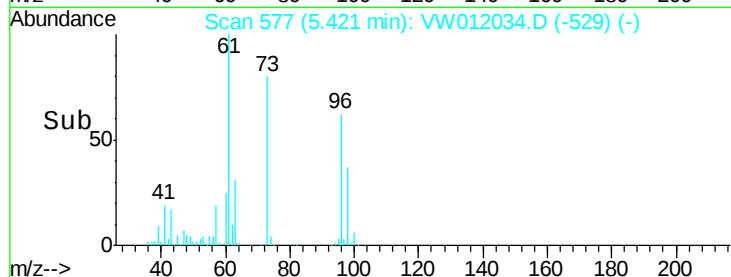
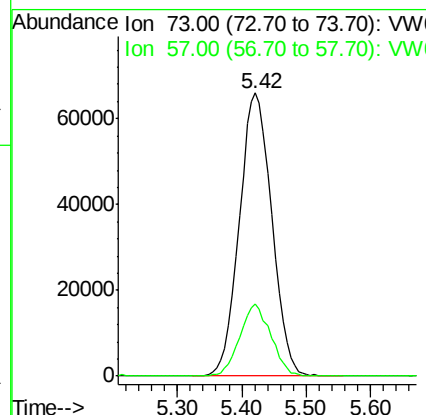
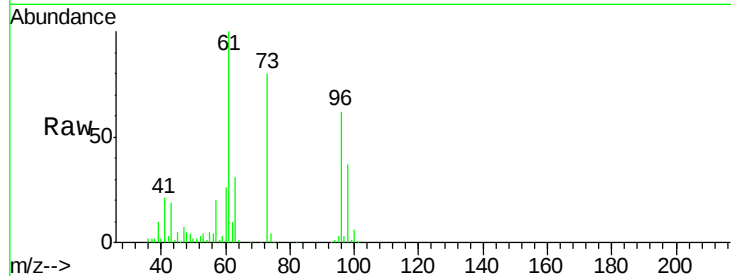
#19
Methvl tert-butvl Ether
Concen: 54.154 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.4	18.4	27.6

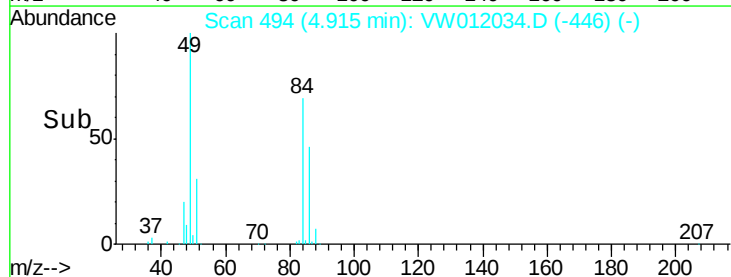
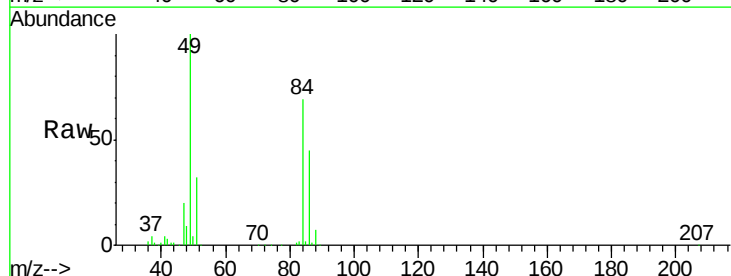
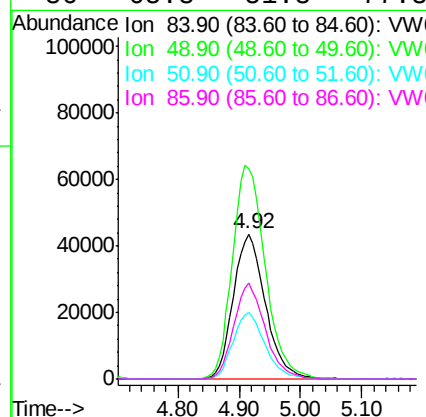
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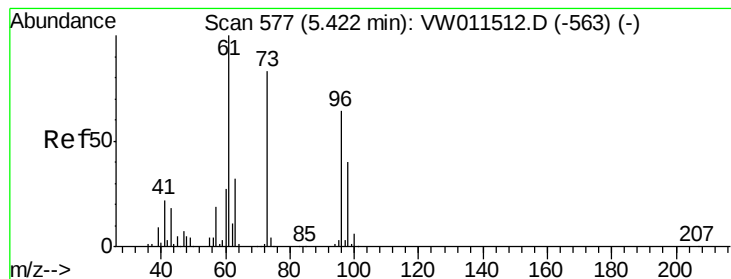
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#20
Methylene Chloride
Concen: 48.811 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.0	117.8	176.6
51	45.7	37.0	55.4
86	65.8	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 52.960 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

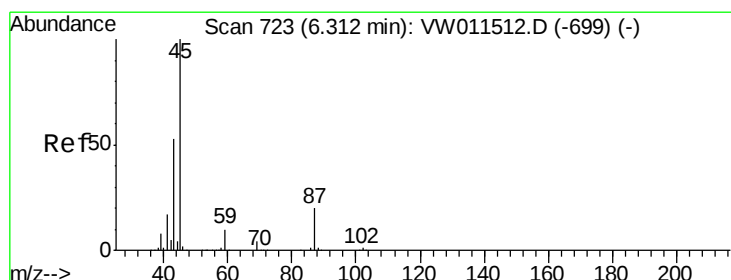
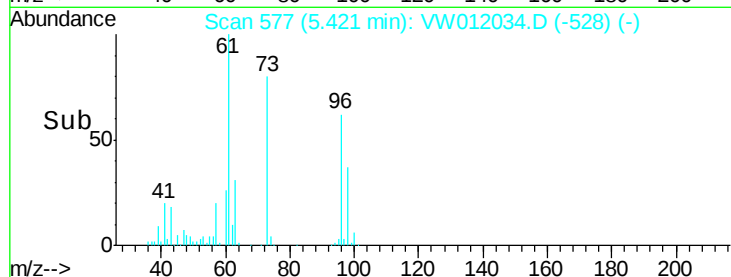
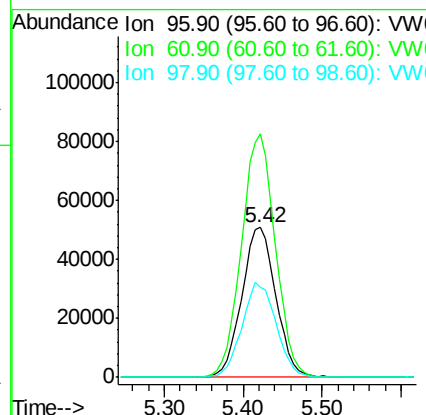
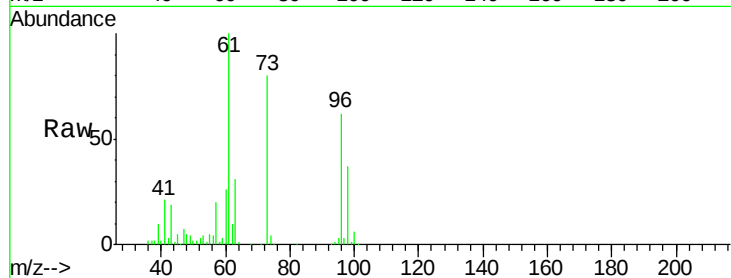
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	152824
Ion	Ratio	Lower	Upper
96	100		
61	162.4	125.7	188.5
98	60.1	50.3	75.5

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#22

Diisopropyl ether

Concen: 52.832 ug/l

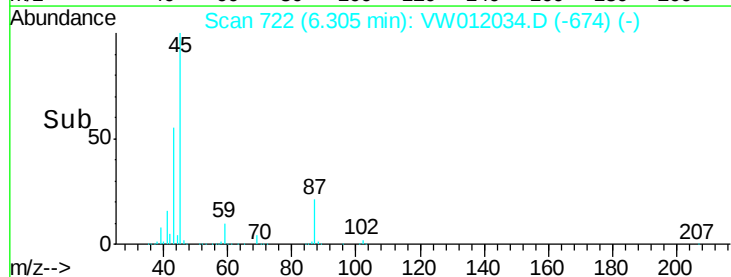
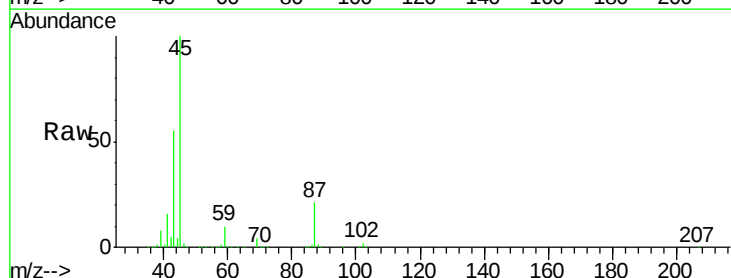
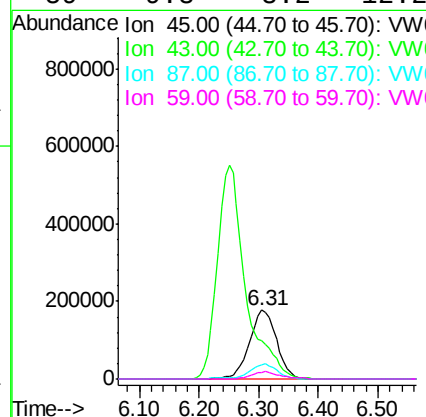
RT: 6.31 min Scan# 722

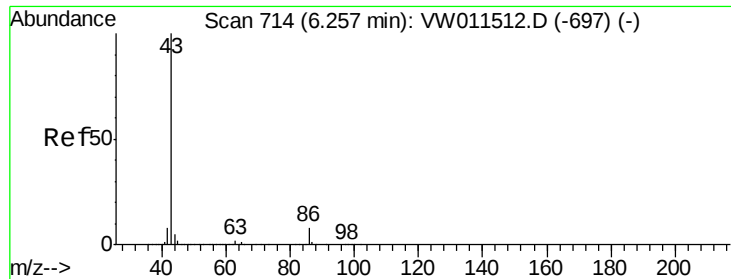
Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion:	45	Resp:	567052
Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.6	63.8
87	20.5	16.4	24.6
59	9.8	8.2	12.2





#23

Vinyl Acetate

Concen: 267.721 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1805559

Ion Ratio Lower Upper

43 100

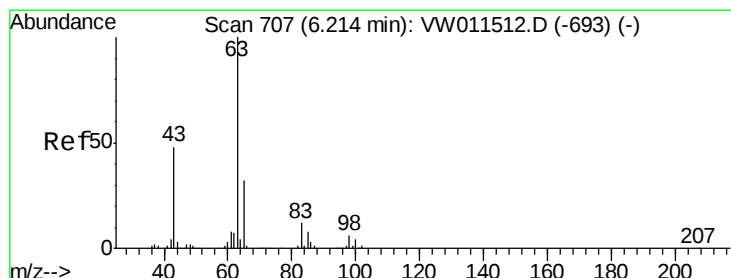
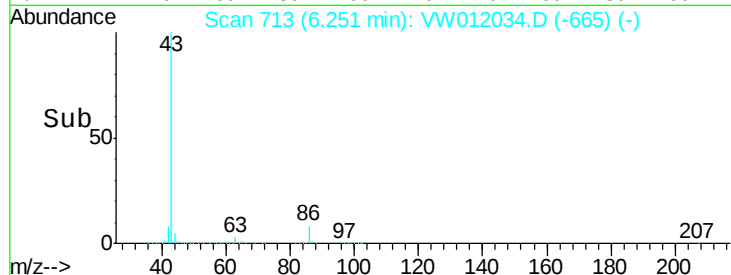
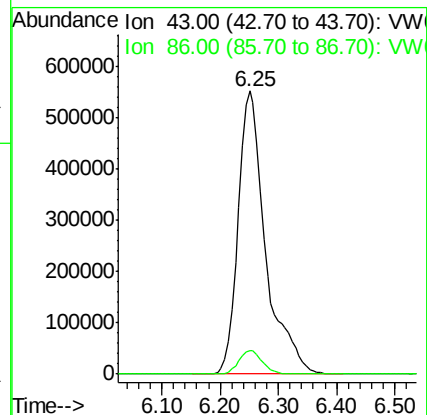
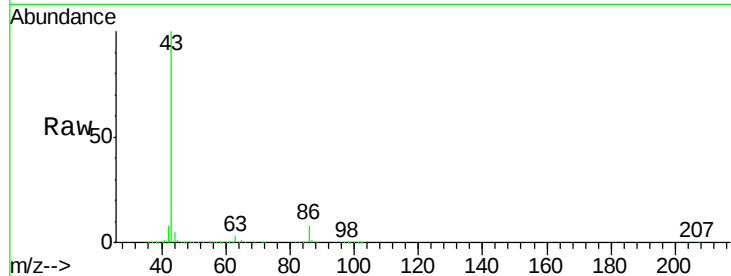
86 8.3 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 53.700 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

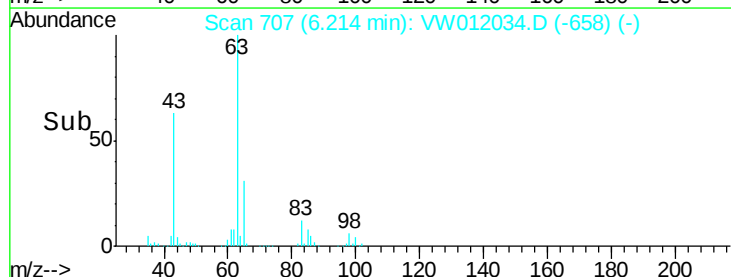
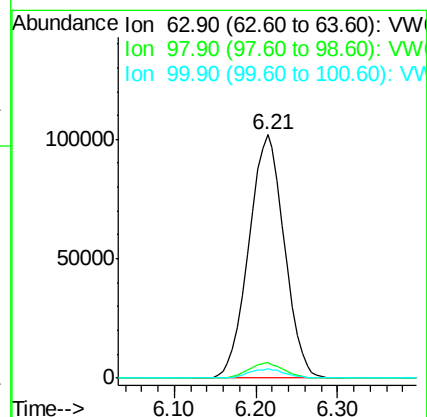
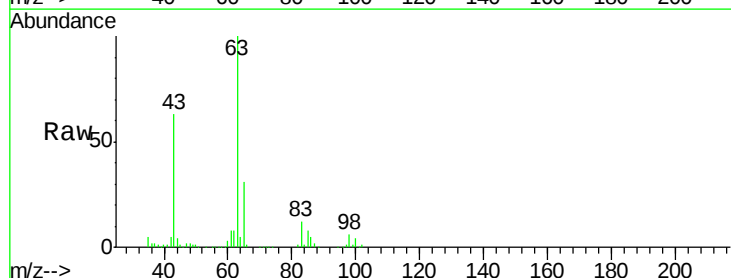
Tgt Ion: 63 Resp: 308683

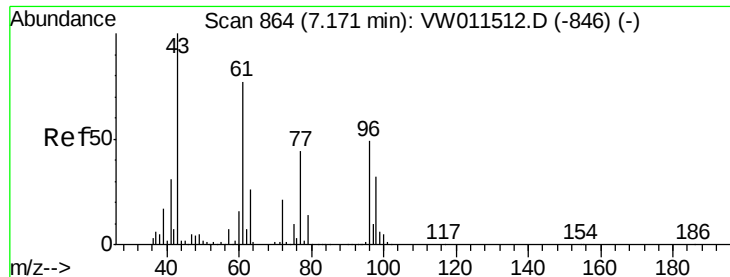
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 244.598 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 300457

Ion Ratio Lower Upper

43 100

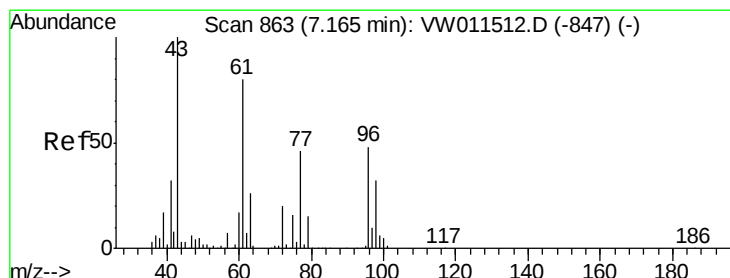
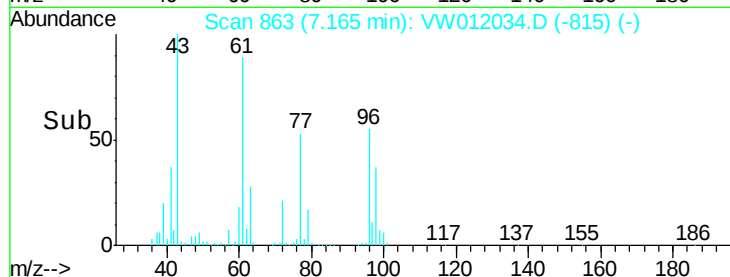
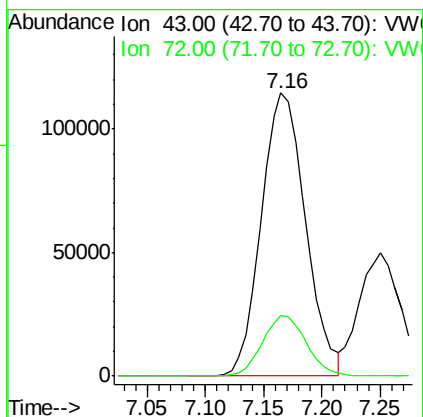
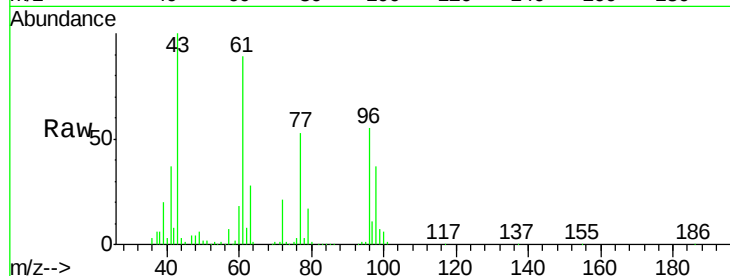
72 21.4 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.621 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012034.D

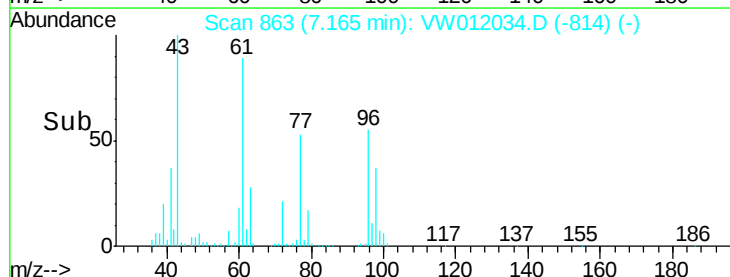
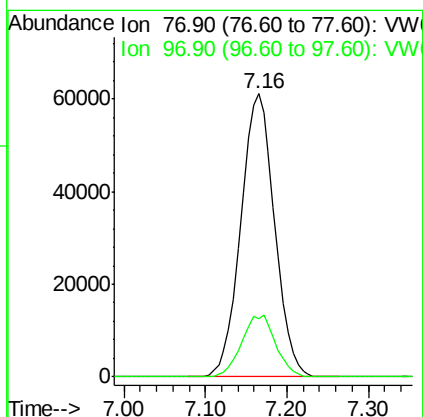
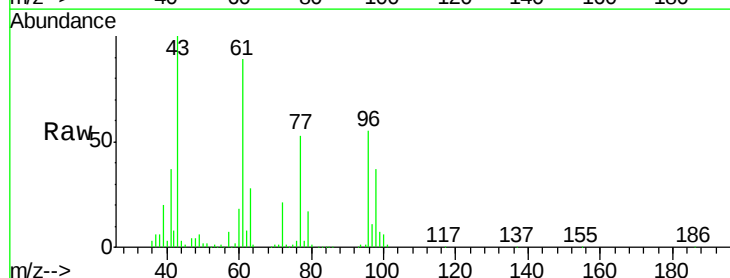
Acq: 20 Aug 2019 16:27

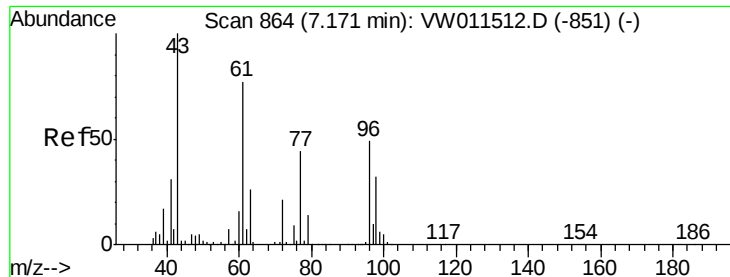
Tgt Ion: 77 Resp: 175416

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.4





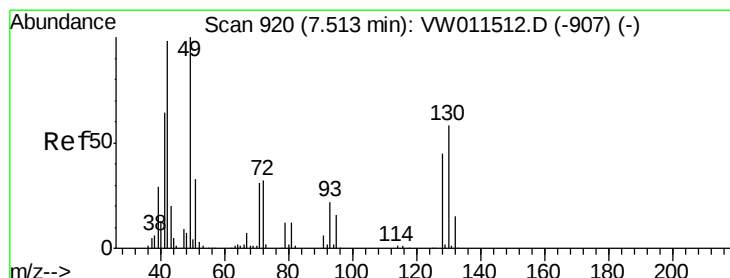
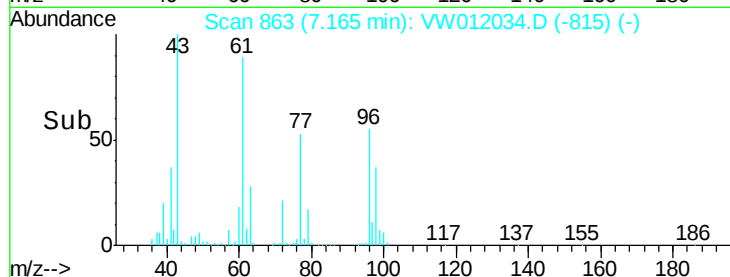
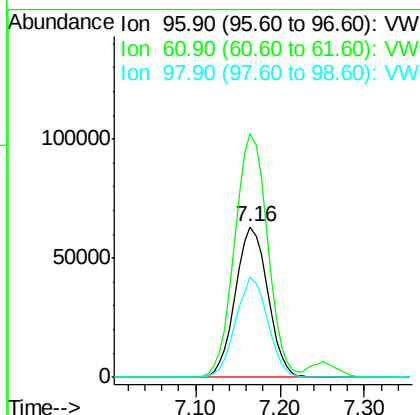
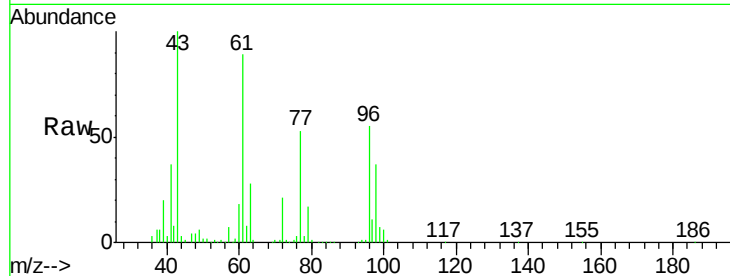
#27
 cis-1,2-Dichloroethene
 Concen: 52.020 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.4	0.0	328.4	
98	65.3	0.0	128.8	

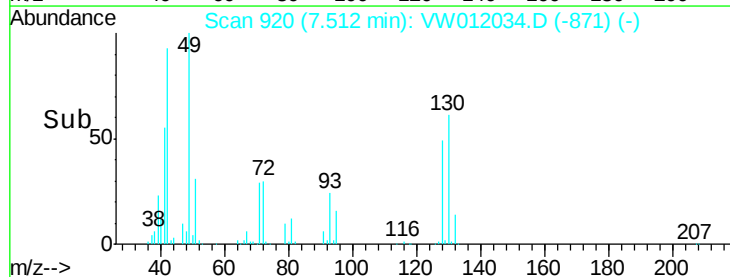
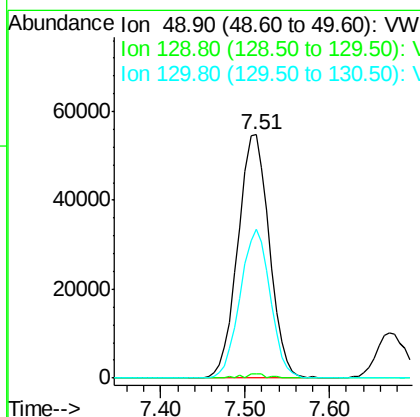
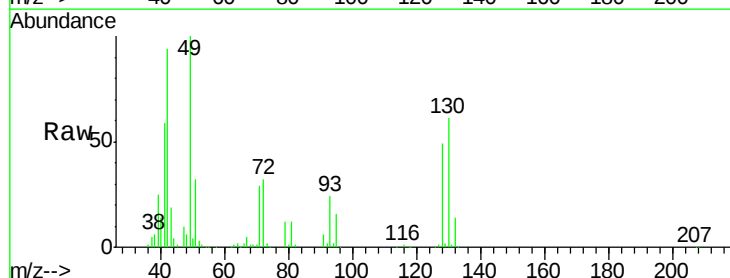
Manual Integrations
 APPROVED

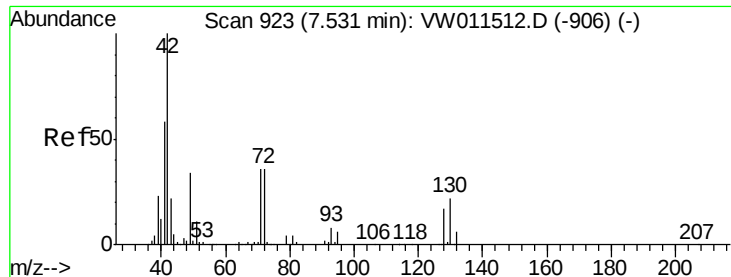
MMDadoda
 8/21/2019 8:29:53 AM



#28
 Bromochloromethane
 Concen: 54.306 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	1.0#	
130	58.7	46.3	69.5	





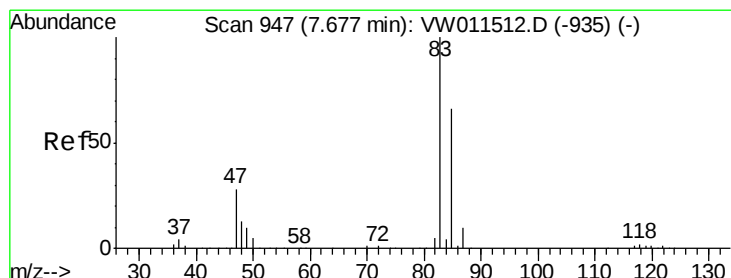
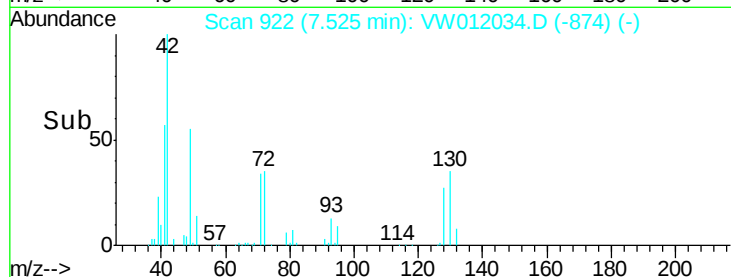
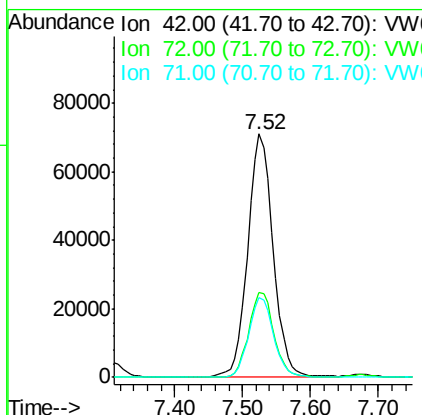
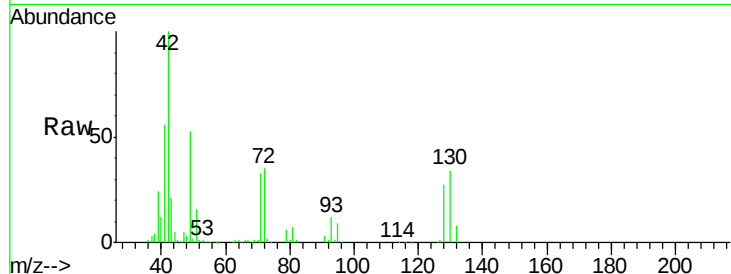
#29
Tetrahydrofuran
Concen: 263.201 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	184806
Ion Ratio		Lower	Upper
42	100		
72	34.8	27.1	40.7
71	32.3	26.2	39.4

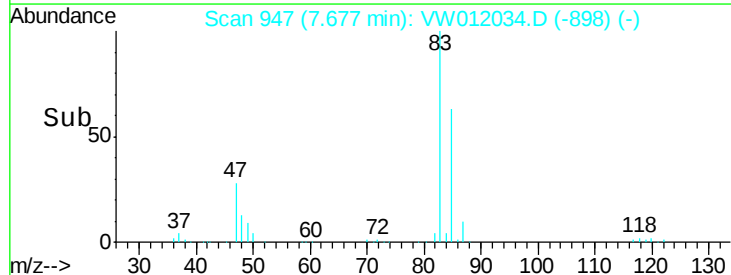
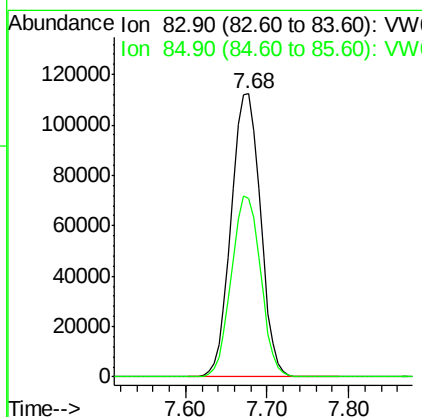
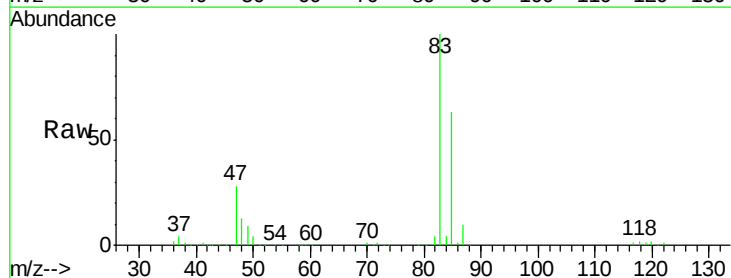
Manual Integrations
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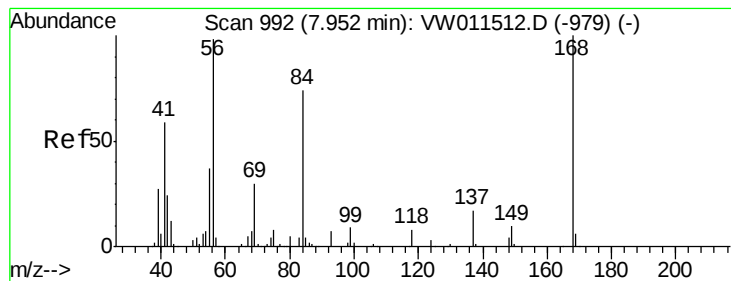
MMDadoda
8/21/2019 8:29:53 AM



#30
Chloroform
Concen: 52.659 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion:	83	Resp:	279262
Ion Ratio		Lower	Upper
83	100		
85	63.2	52.5	78.7





#31

Cyclohexane

Concen: 51.349 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

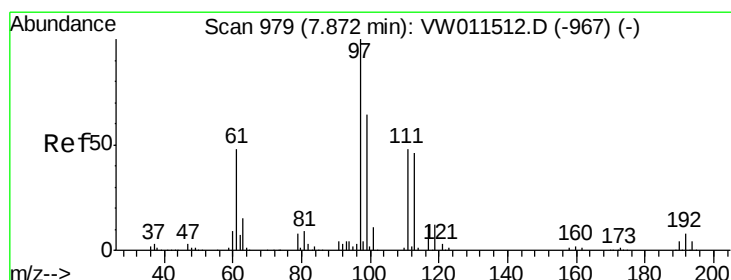
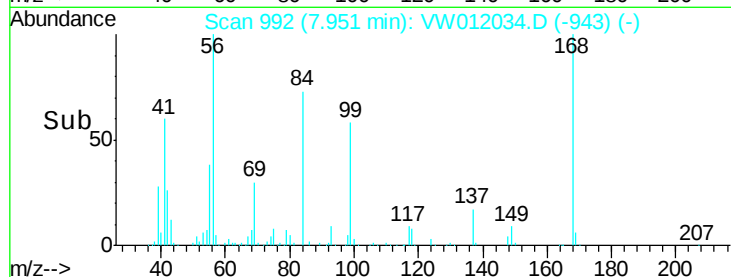
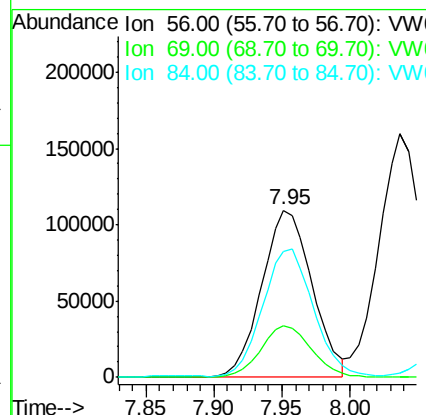
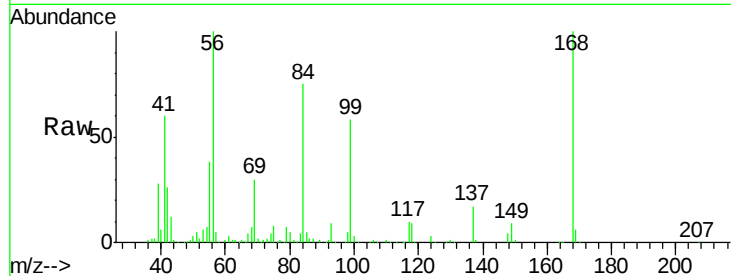
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	283335
Ion Ratio		Lower	Upper
56	100		
69	30.6	24.3	36.5
84	74.7	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.221 ug/l

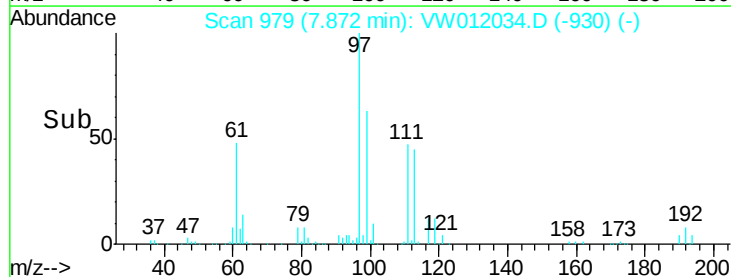
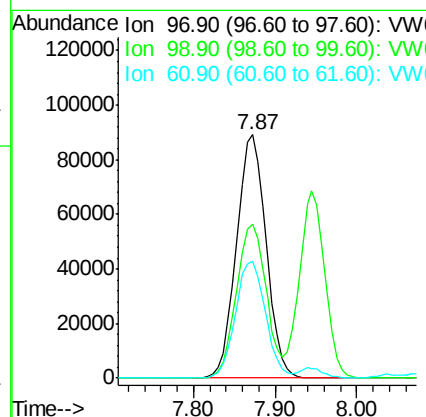
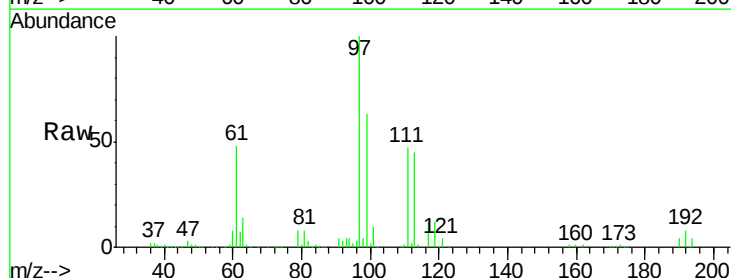
RT: 7.87 min Scan# 979

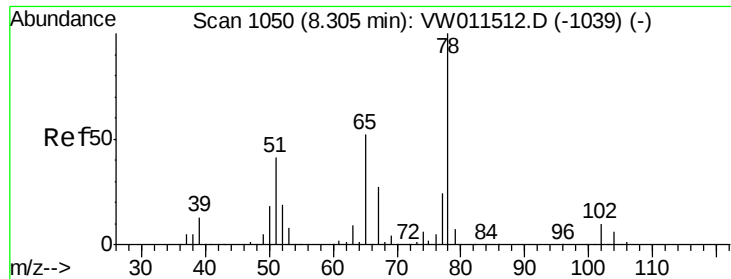
Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion:	97	Resp:	223023
Ion Ratio		Lower	Upper
97	100		
99	64.0	51.0	76.6
61	48.9	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 48.155 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tot Ion: 65 Resp: 142112

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.2

Instrument :

MSVOA_W

ClientSampled :

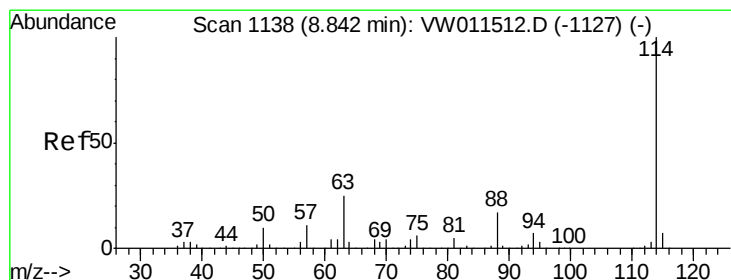
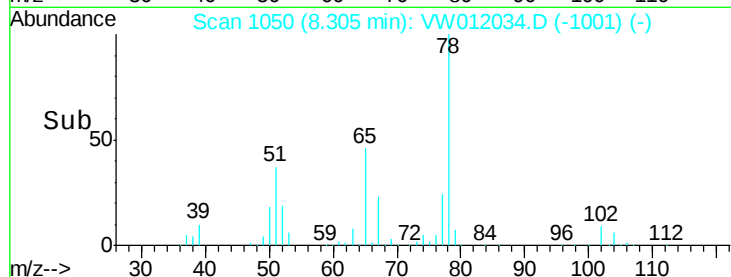
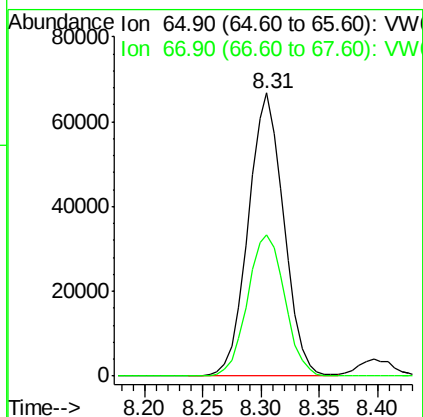
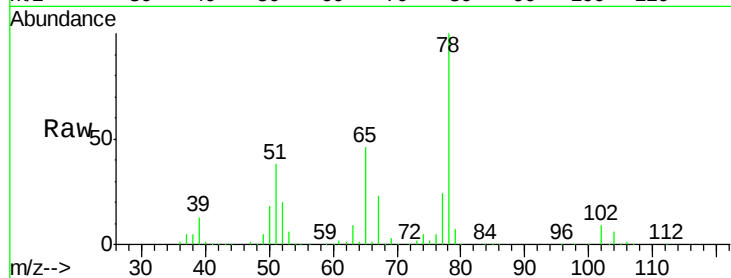
VSTDCCC050

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

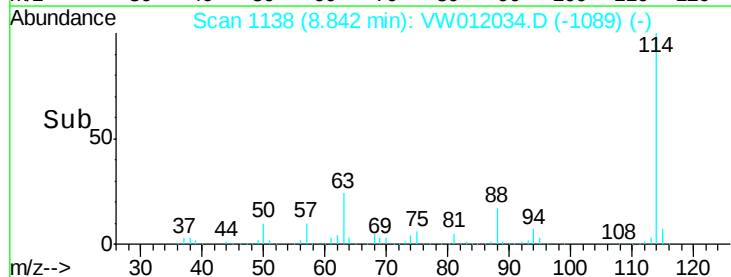
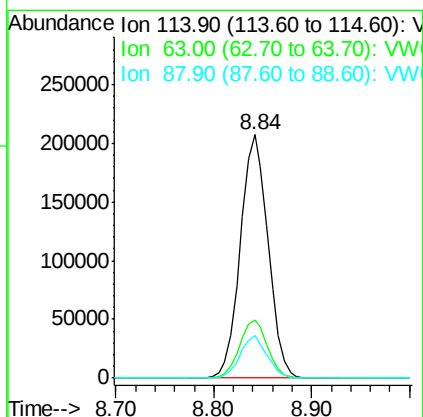
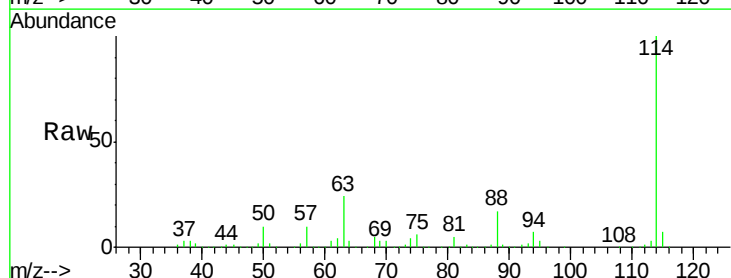
Tgt Ion: 114 Resp: 406425

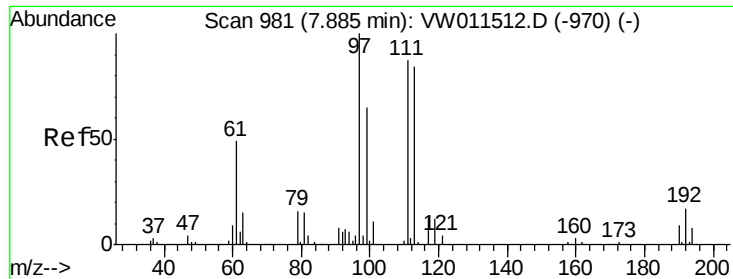
Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

88 17.4 0.0 33.8





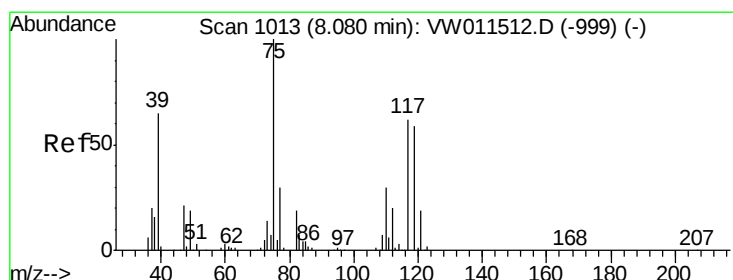
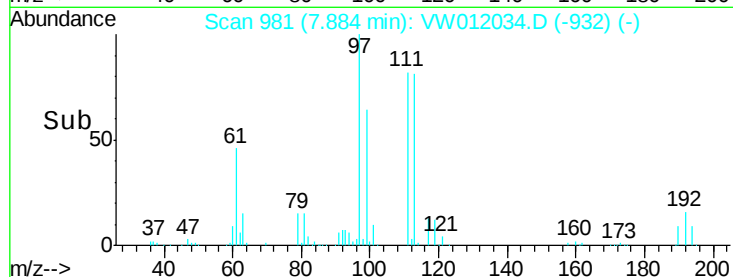
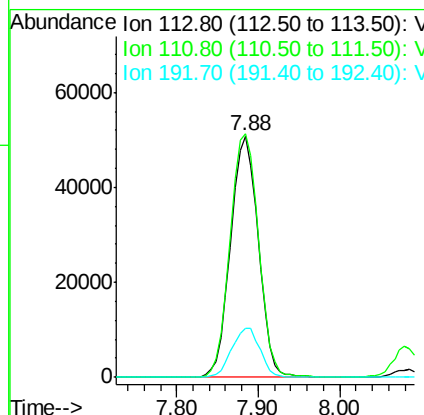
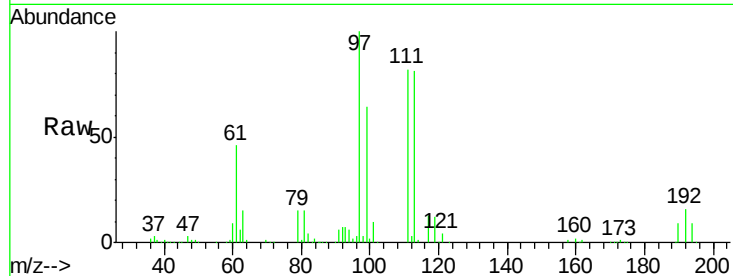
#35
 Dibromofluoromethane
 Concen: 52.260 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	119159		
111	103.8	82.7	124.1	
192	20.7	16.1	24.1	

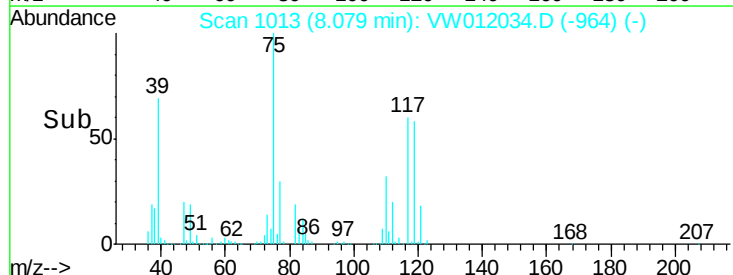
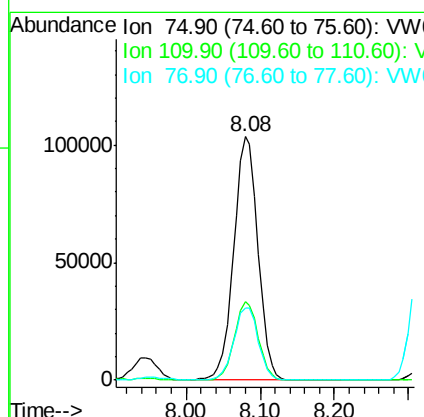
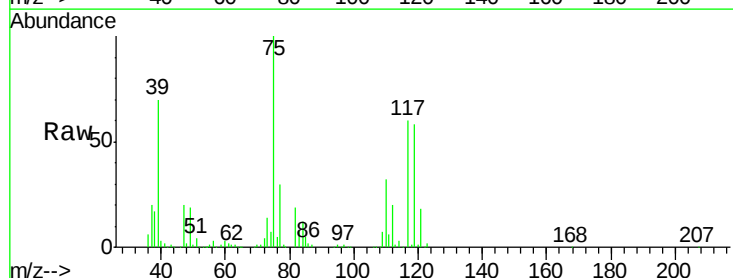
Manual Integrations
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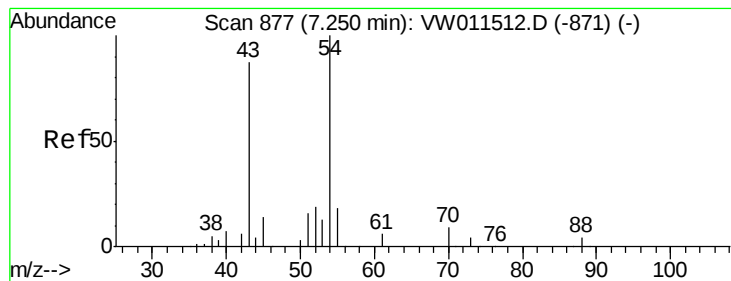
MMDadoda
 8/21/2019 8:29:53 AM



#36
 1,1-Dichloropropene
 Concen: 55.749 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	235601		
110	31.7	15.6	46.8	
77	30.5	24.3	36.5	





#37

Ethyl Acetate

Concen: 52.313 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

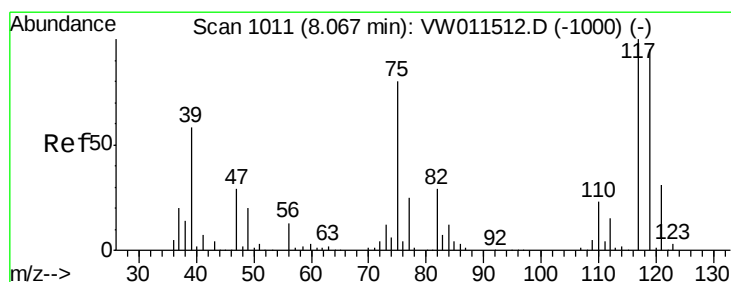
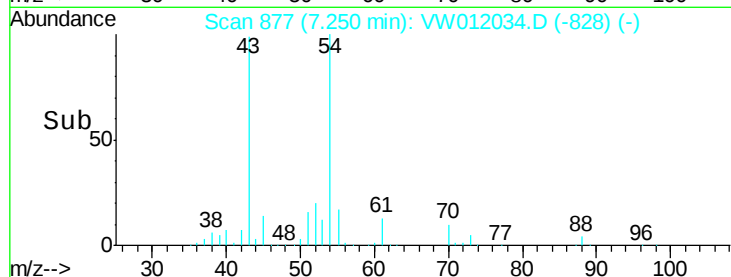
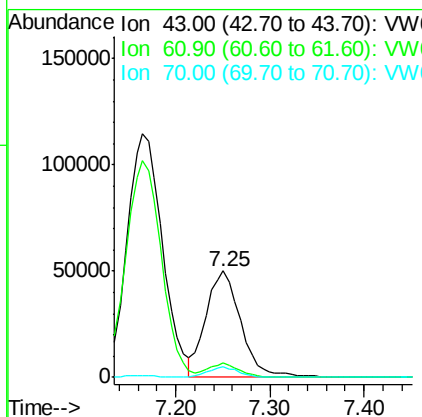
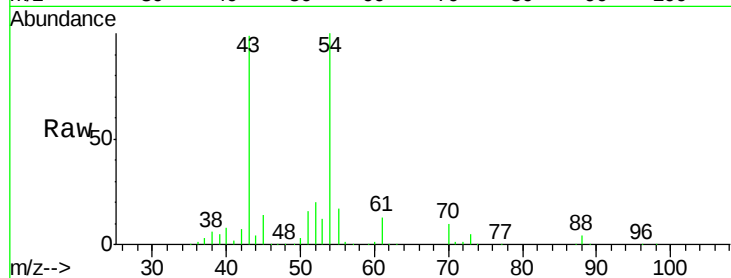
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	127193
Ion	Ratio	Lower	Upper
43	100		
61	11.9	8.8	13.2
70	9.1	7.1	10.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 56.058 ug/l

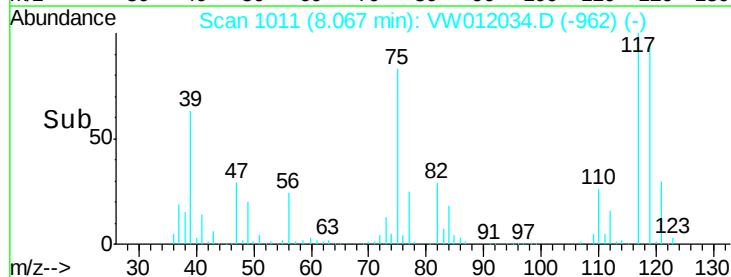
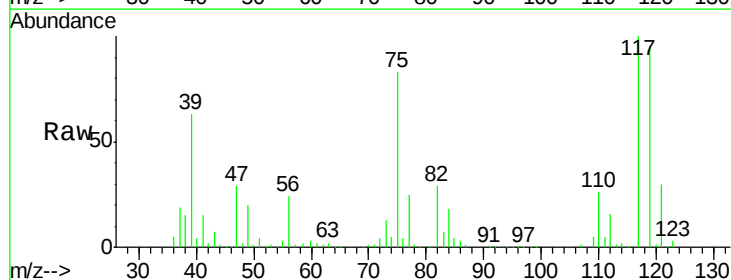
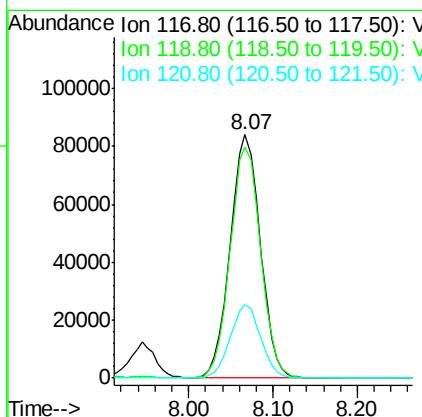
RT: 8.07 min Scan# 1011

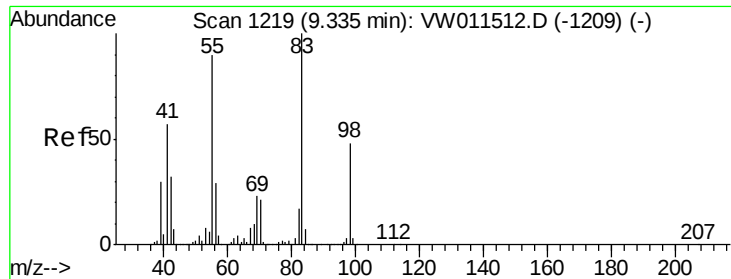
Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion:	117	Resp:	202809
Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.6
121	30.1	24.7	37.1





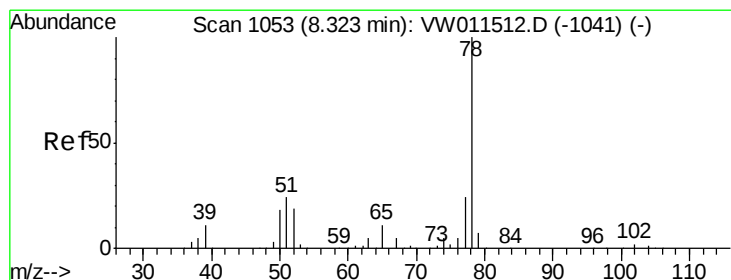
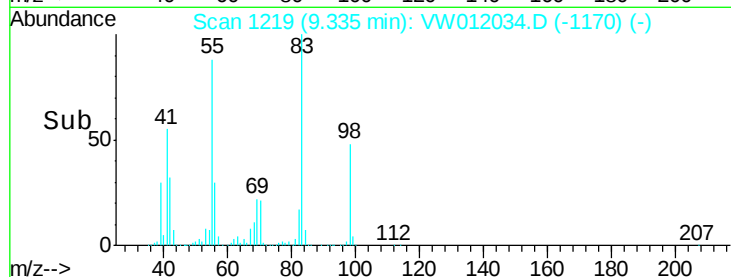
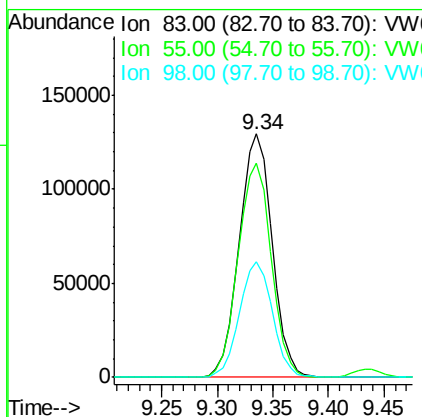
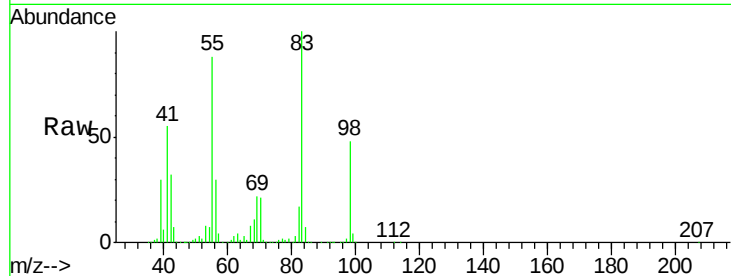
#39
Methvlcvclohexane
Concen: 57.367 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.1	72.1	108.1
98	47.7	38.6	57.8

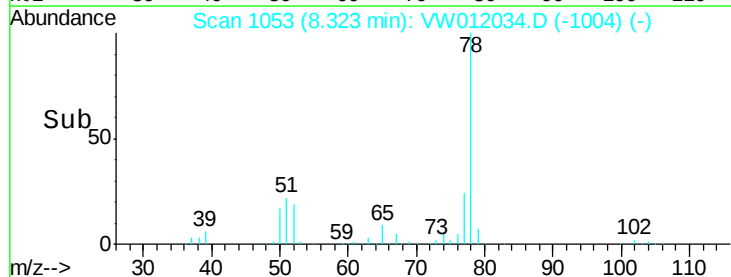
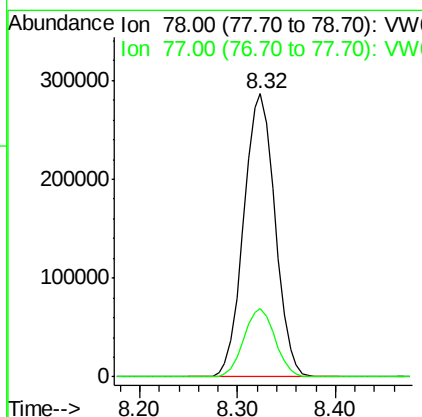
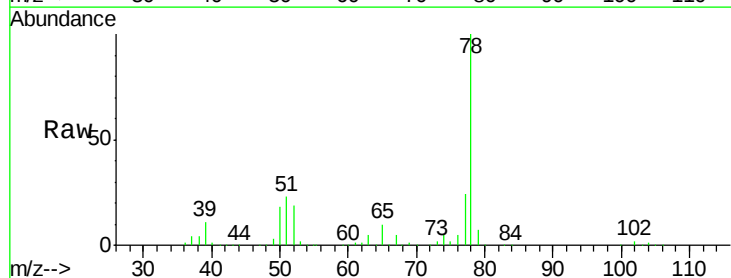
Manual Integrations
APPROVED

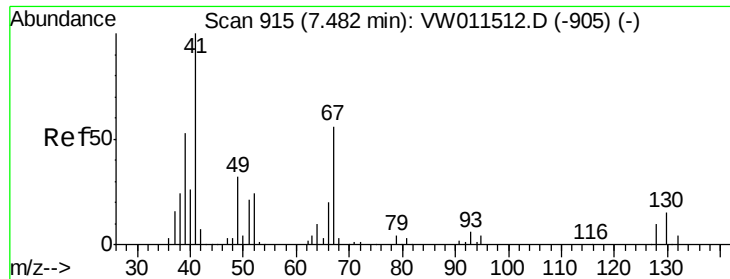
MMDadoda
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#40
Benzene
Concen: 53.731 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41

Methacrylonitrile

Concen: 54.560 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

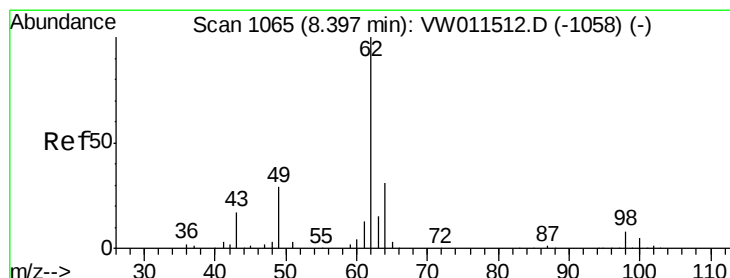
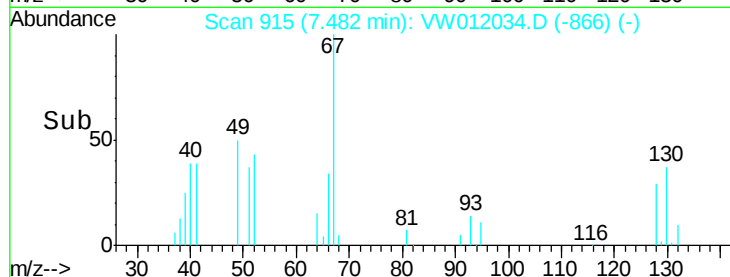
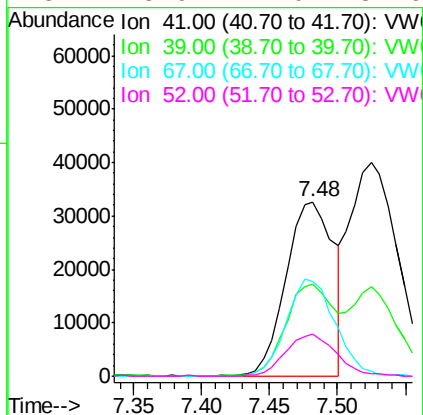
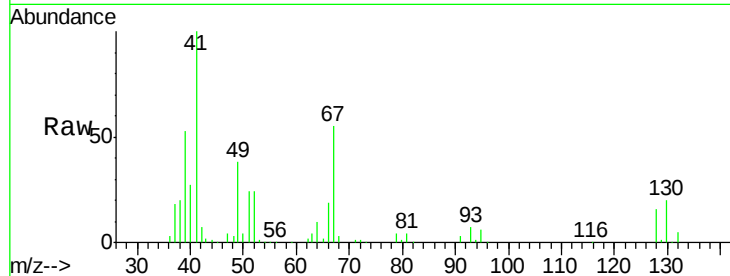
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		79298		
39	53.0	43.0	64.4		
67	57.5	47.5	71.3		
52	25.9	21.0	31.6		

Manual Integrations
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8/21/2019 8:29:53 AM



#42

1,2-Dichloroethane

Concen: 52.321 ug/l

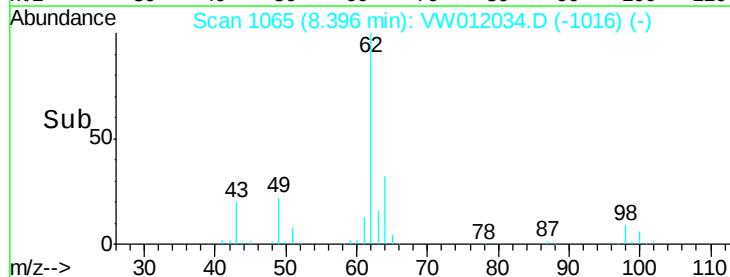
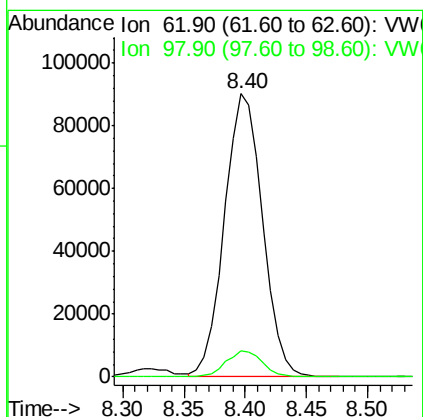
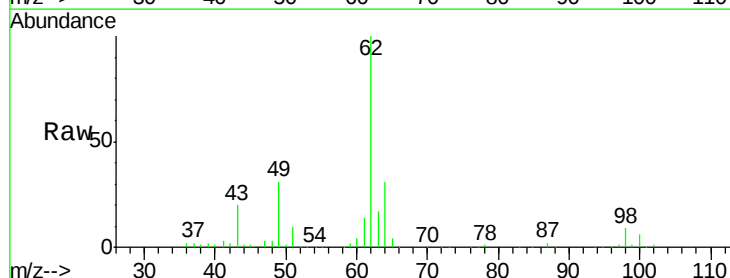
RT: 8.40 min Scan# 1065

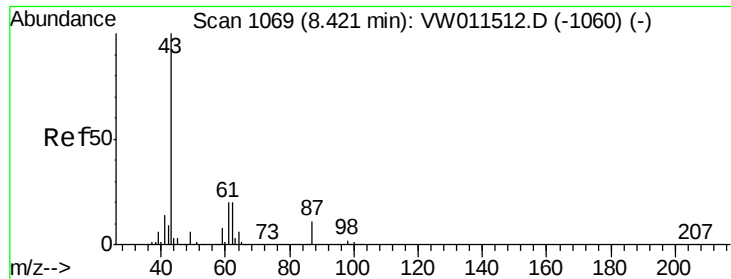
Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		193911		
98	8.9	0.0	16.8		





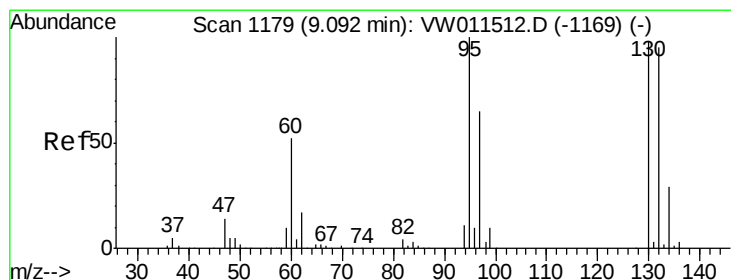
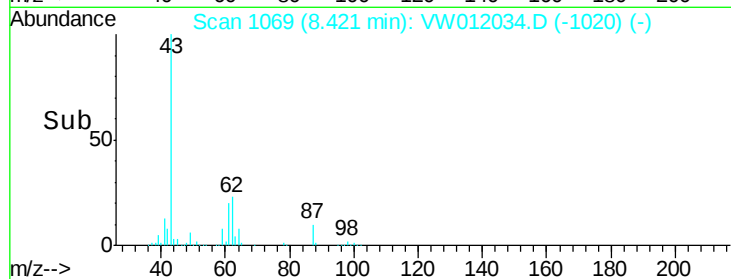
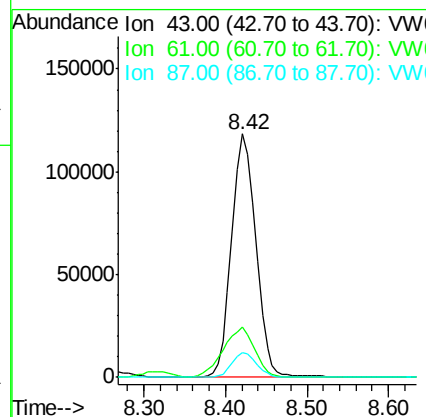
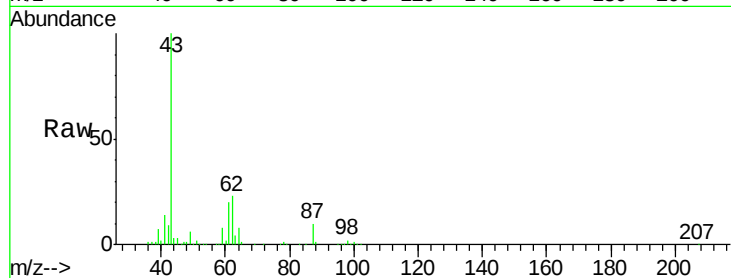
#43
Isopropyl Acetate
Concen: 54.527 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	243815		
61	26.7		21.5	32.3
87	10.4		8.4	12.6

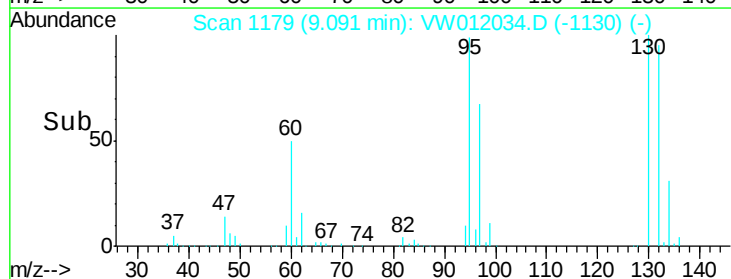
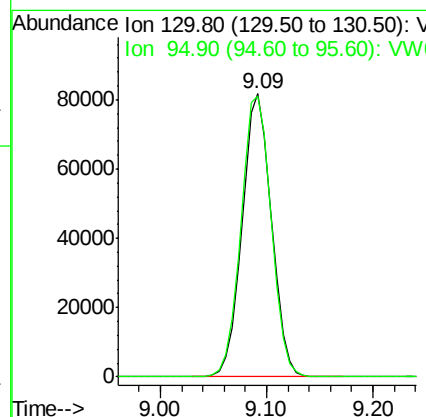
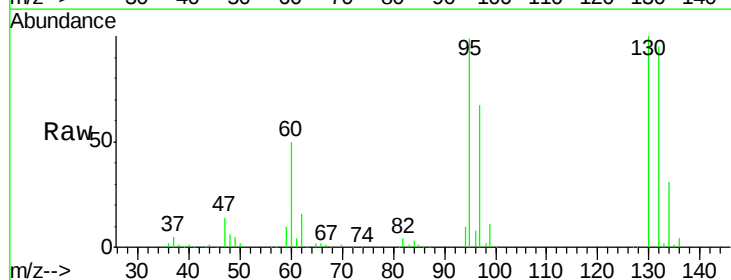
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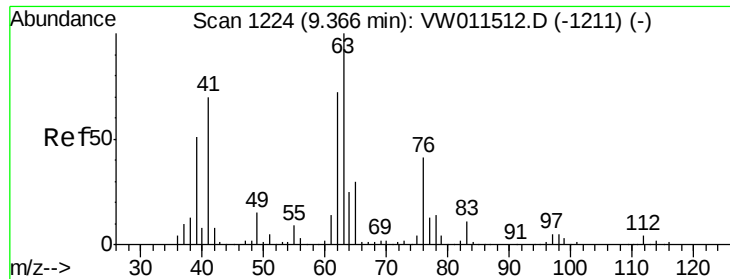
MMDadoda
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#44
Trichloroethene
Concen: 55.511 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	157936		
95	99.1		0.0	204.8





#45

1,2-Dichloropropane

Concen: 54.236 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 171783

Ion Ratio Lower Upper

63 100

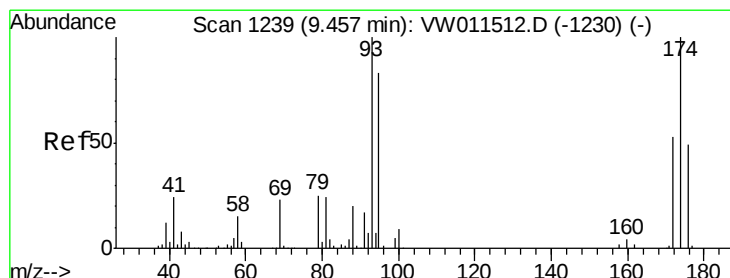
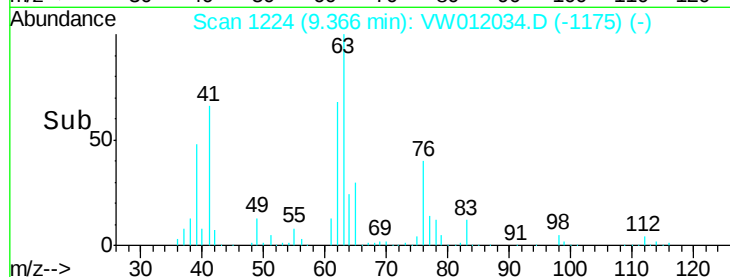
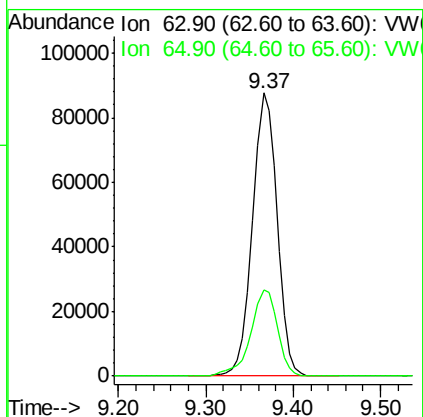
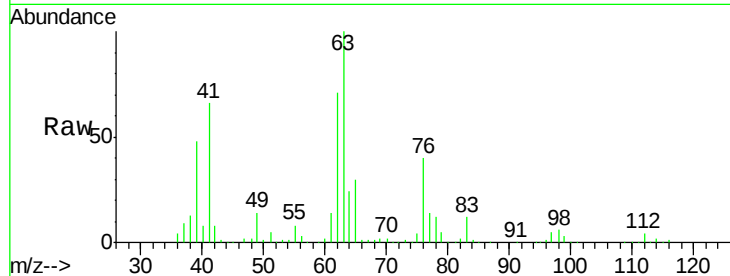
65 30.3 24.2 36.4

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#46

Dibromomethane

Concen: 53.266 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

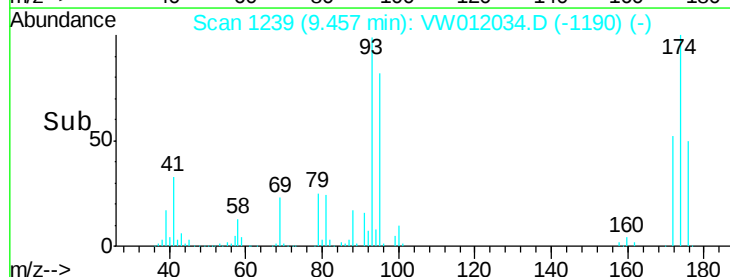
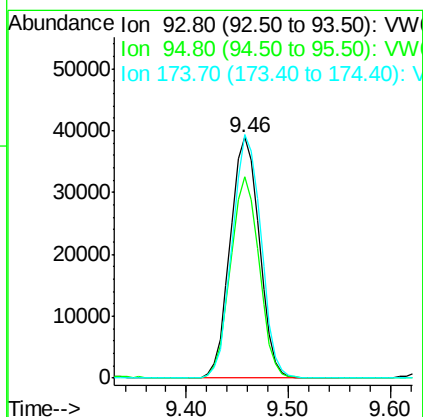
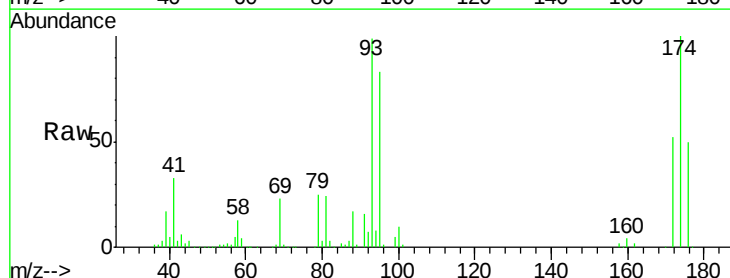
Tgt Ion: 93 Resp: 77002

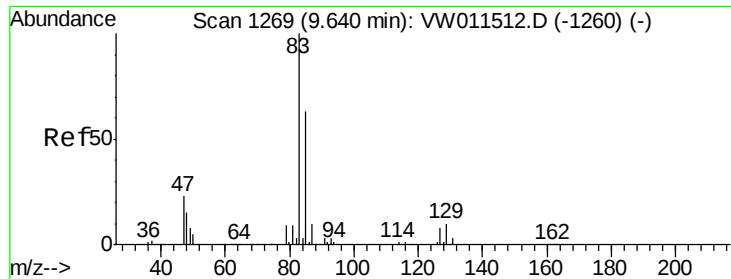
Ion Ratio Lower Upper

93 100

95 81.9 66.2 99.2

174 100.2 78.2 117.4





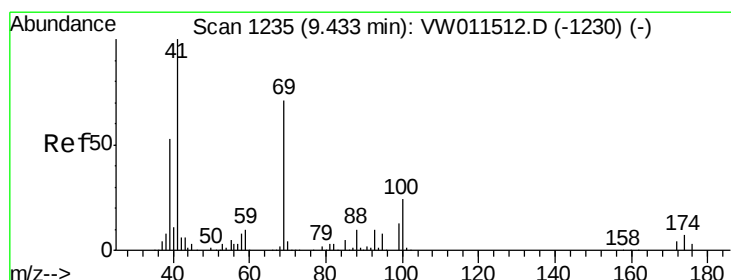
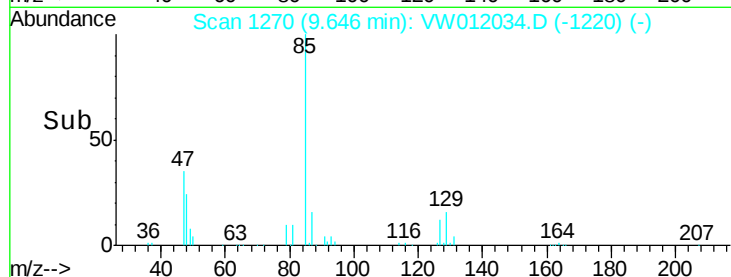
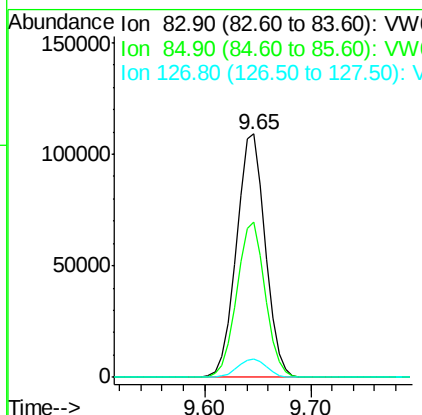
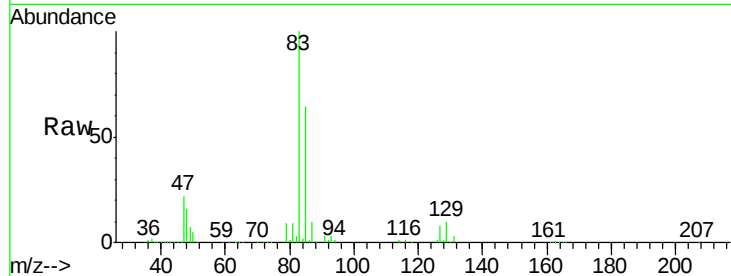
#47
Bromodichloromethane
Concen: 54.682 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	207358		
85	63.7		50.5	75.7
127	7.7		6.4	9.6

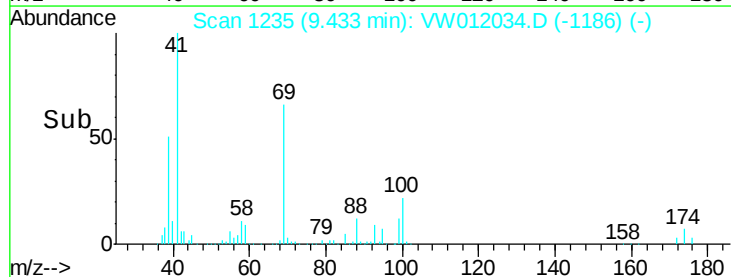
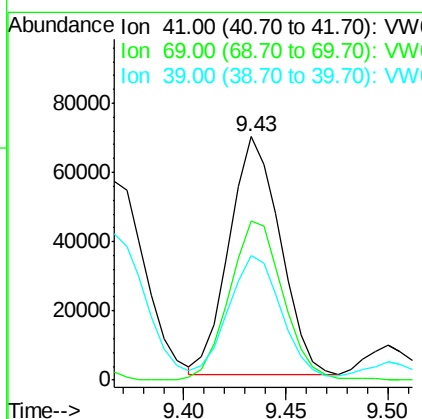
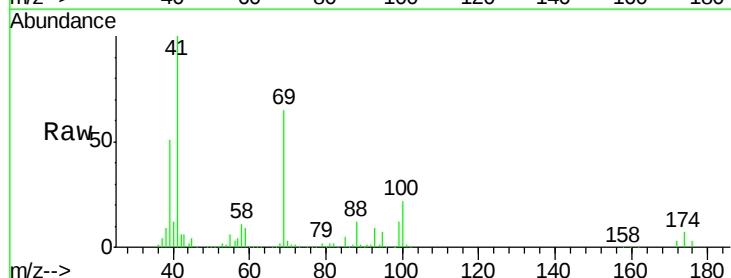
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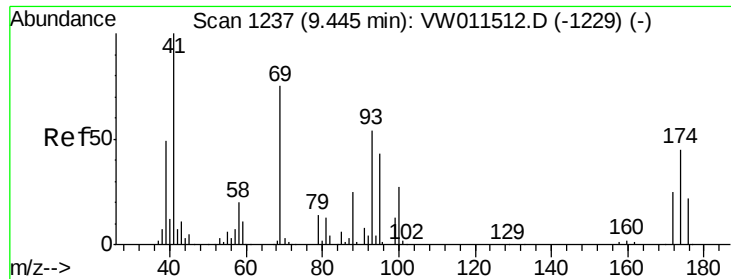
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#48
Methyl methacrylate
Concen: 55.208 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	118583		
69	70.7		57.1	85.7
39	52.0		45.4	68.2





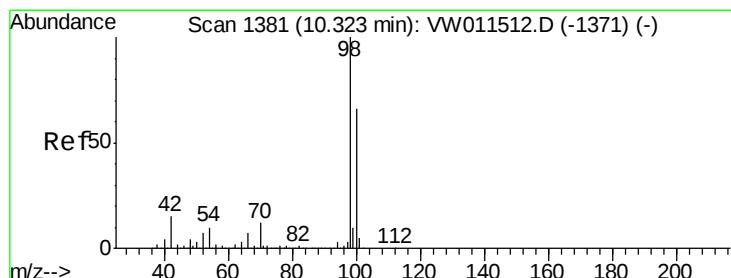
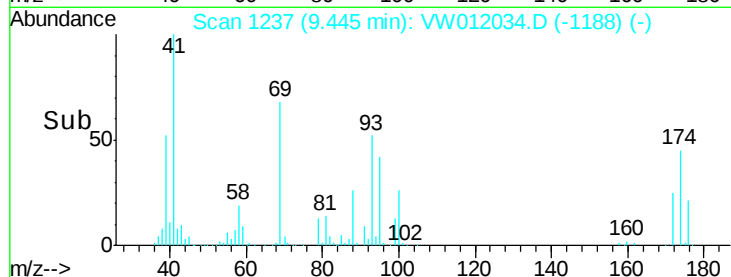
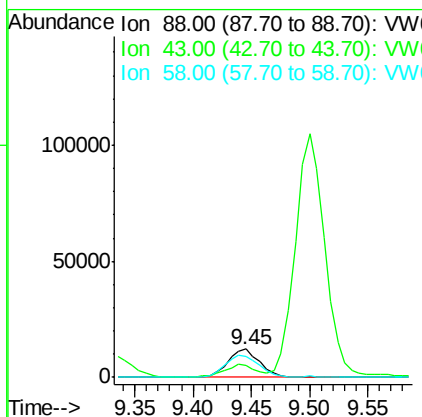
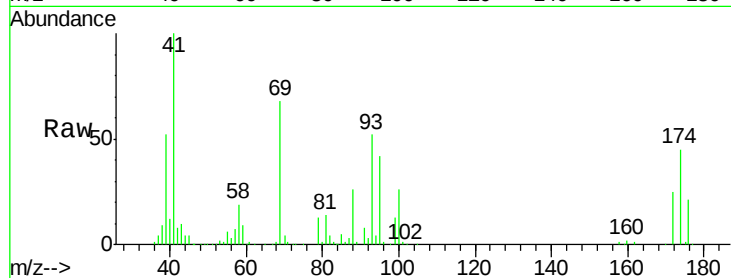
#49
1,4-Dioxane
Concen: 1117.731 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	23396
Ion	Ratio	Lower	Upper
88	100		
43	42.7	34.0	51.0
58	82.3	69.7	104.5

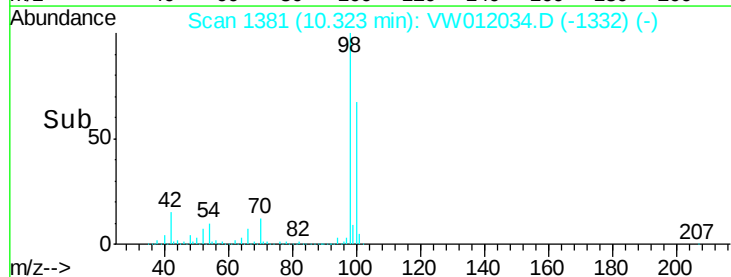
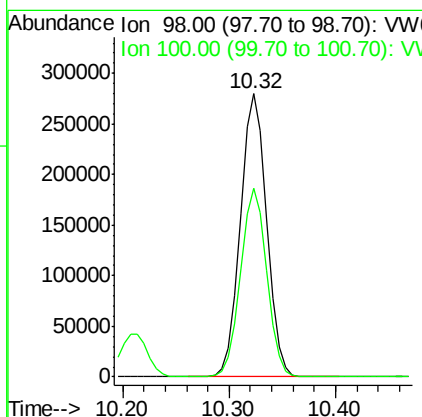
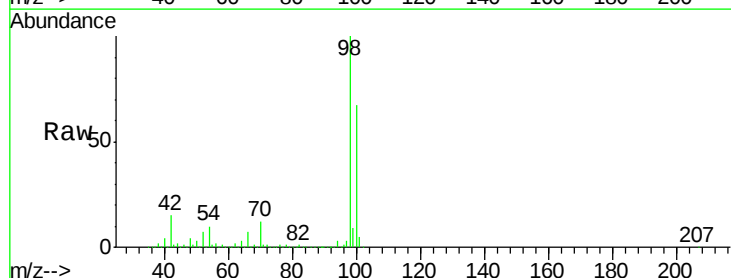
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#50
Toluene-d8
Concen: 52.041 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	98	Resp	485828
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 272.558 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 633925

Ion Ratio Lower Upper

43 100

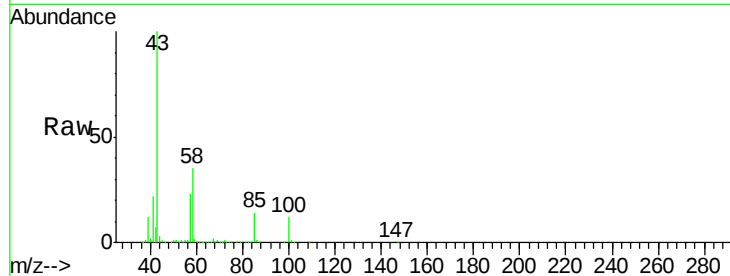
58 35.5 28.2 42.2

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400000

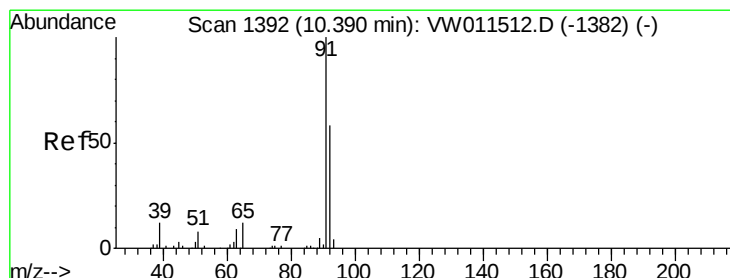
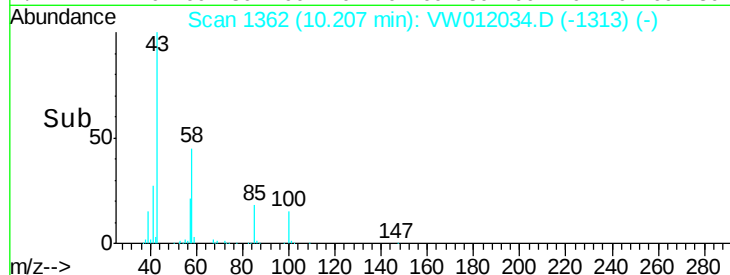
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.908 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012034.D

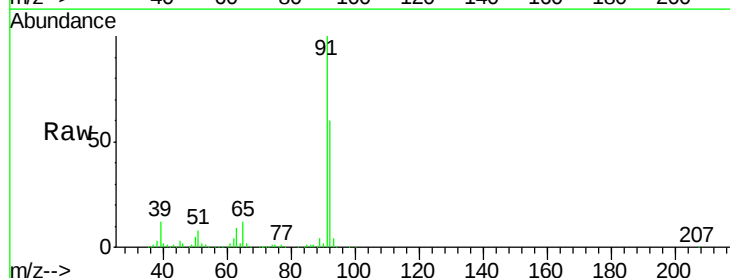
Acq: 20 Aug 2019 16:27

Tgt Ion: 92 Resp: 392514

Ion Ratio Lower Upper

92 100

91 170.2 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

400000

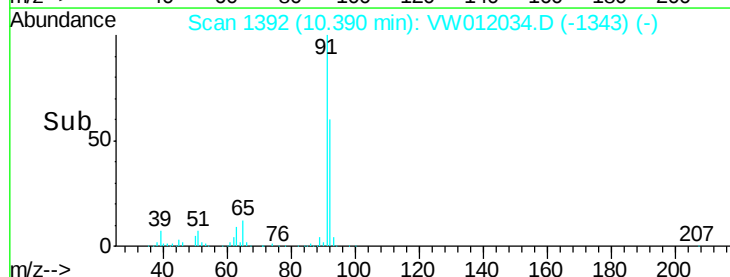
300000

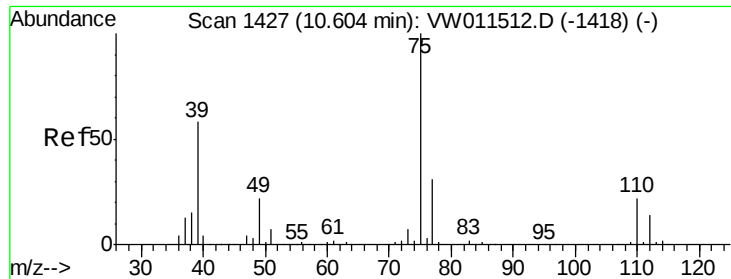
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.469 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 215765

Ion Ratio Lower Upper

75 100

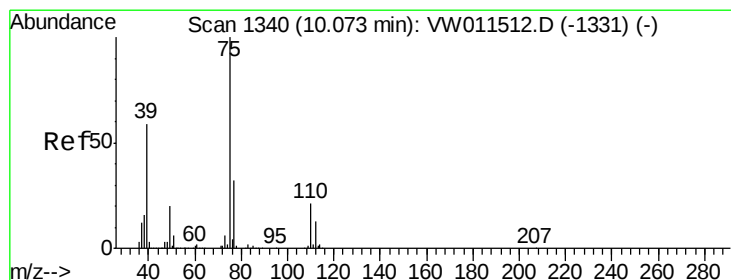
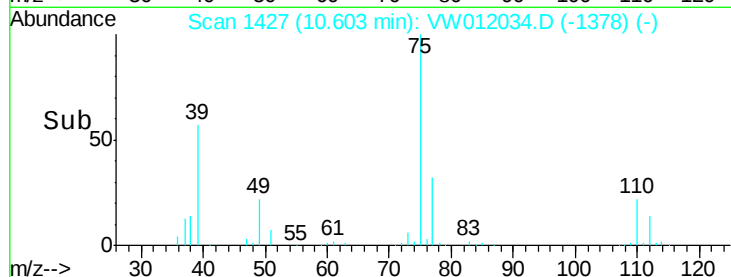
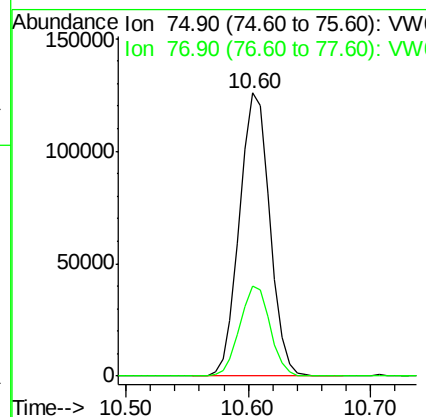
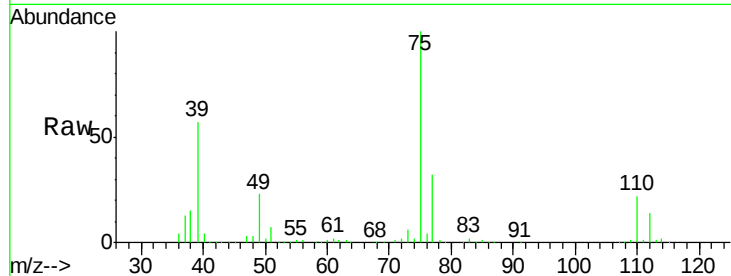
77 31.6 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 55.011 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

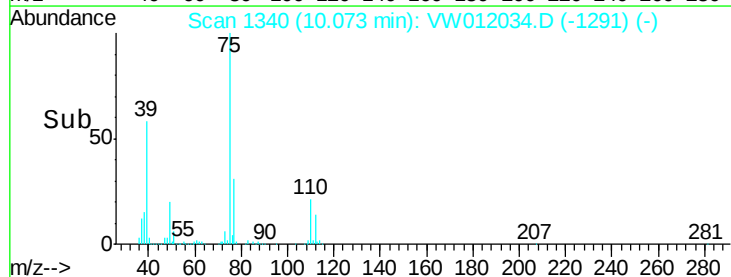
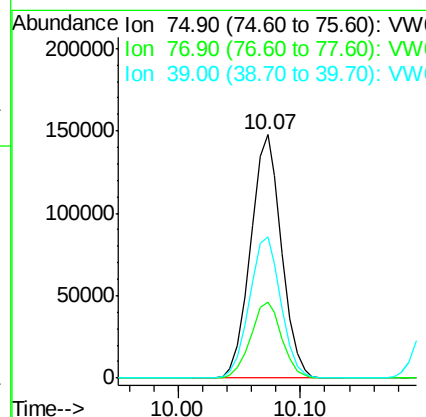
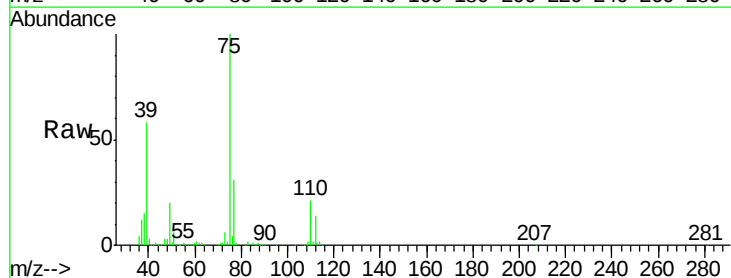
Tgt Ion: 75 Resp: 259097

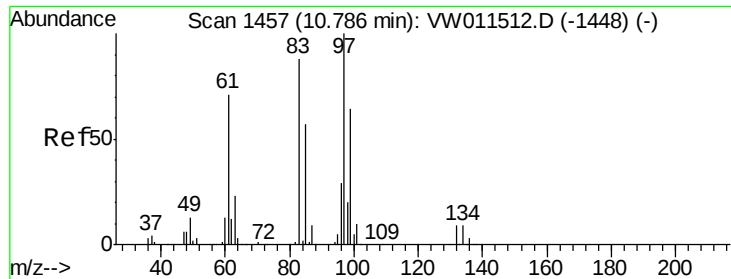
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 57.8 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 53.416 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

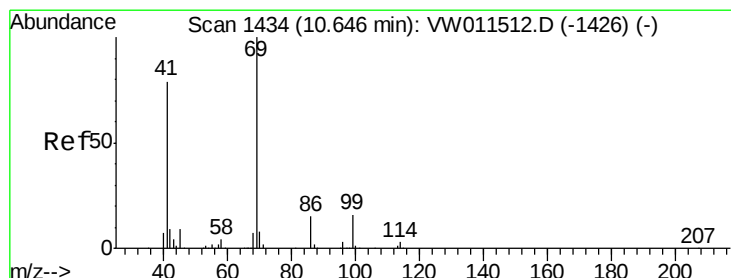
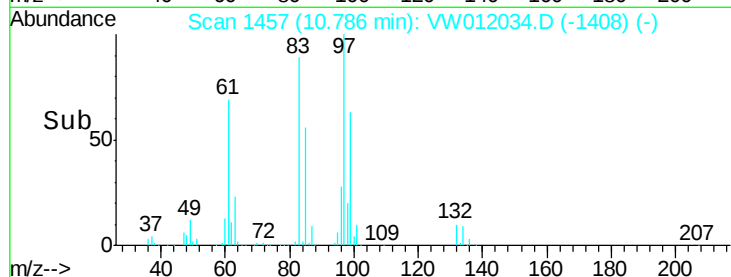
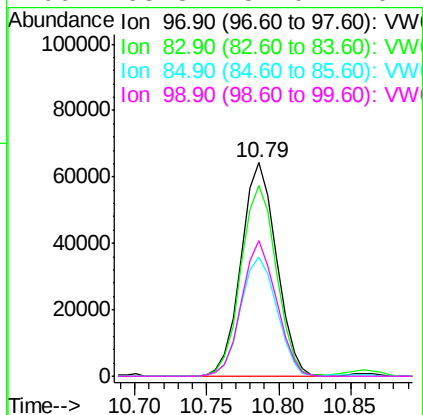
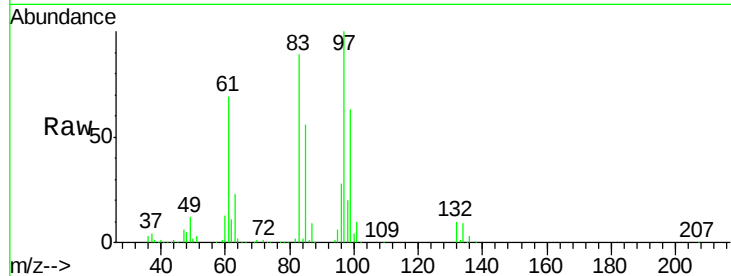
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		109562		
83	89.4	70.5	105.7		
85	55.7	45.8	68.6		
99	63.3	51.0	76.4		

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#56

Ethyl methacrylate

Concen: 56.511 ug/l

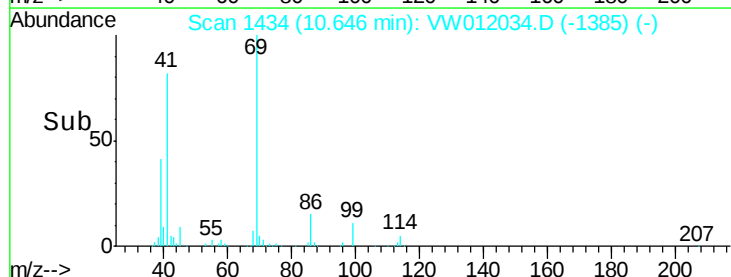
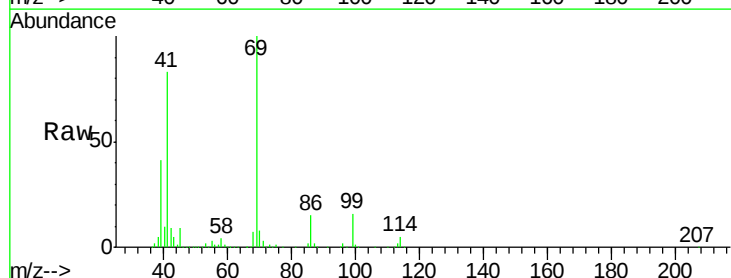
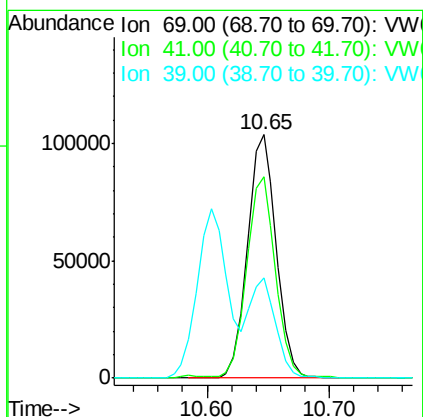
RT: 10.65 min Scan# 1434

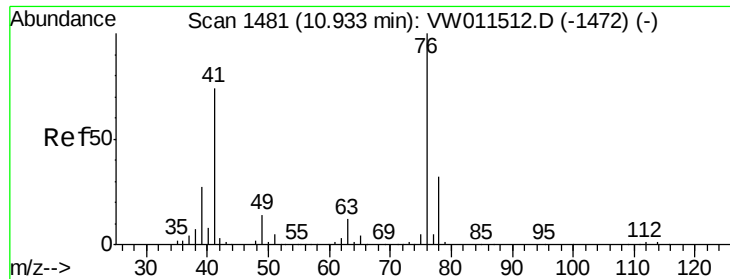
Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		169615		
41	82.3	66.6	99.8		
39	37.2	30.3	45.5		





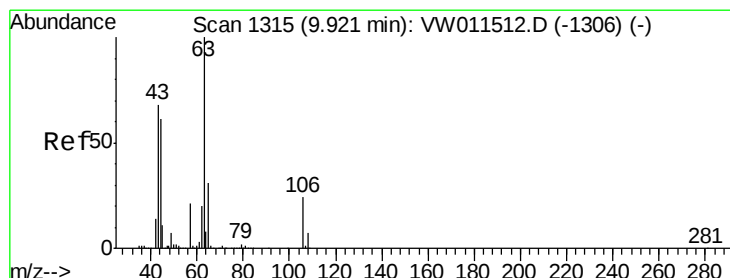
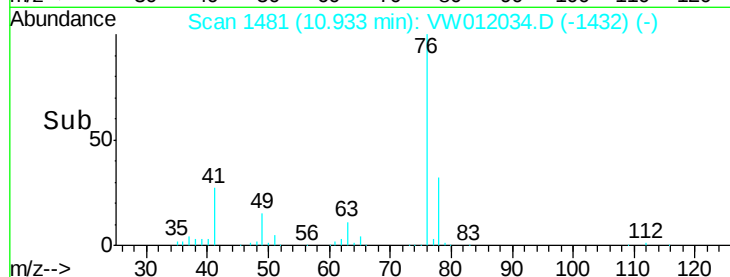
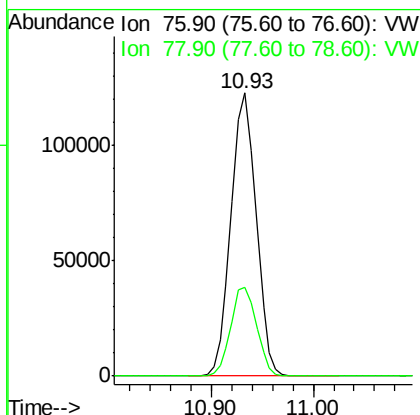
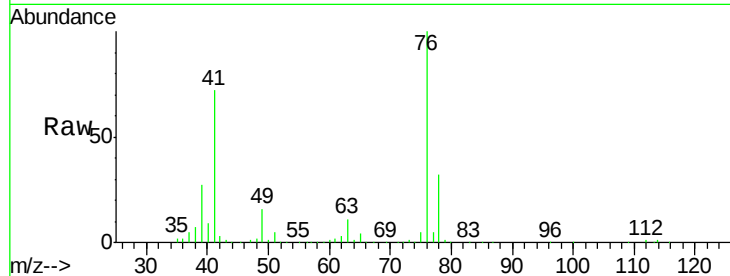
#57
 1,3-Dichloropropane
 Concen: 54.095 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 209917
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

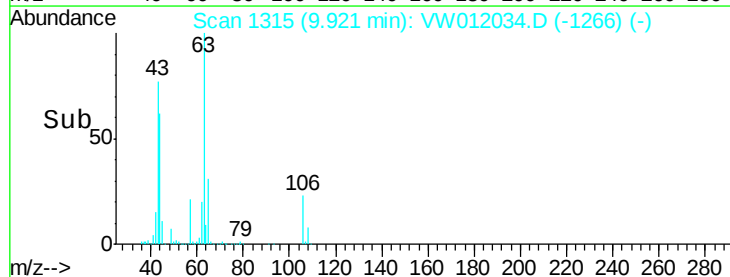
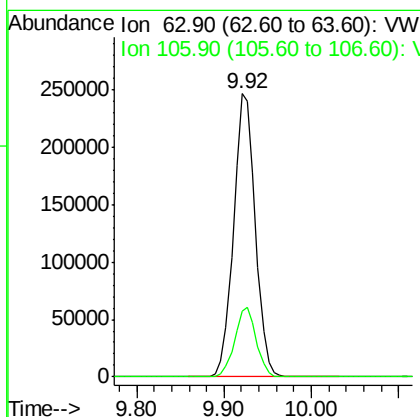
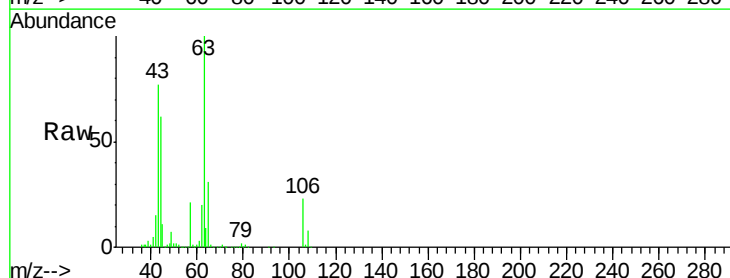
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#58
 2-Chloroethyl Vinyl ether
 Concen: 313.457 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion: 63 Resp: 427172
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.7 29.5





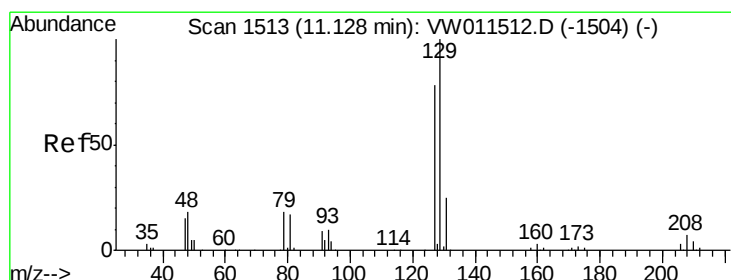
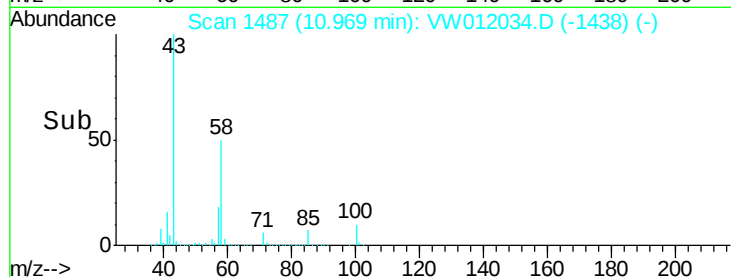
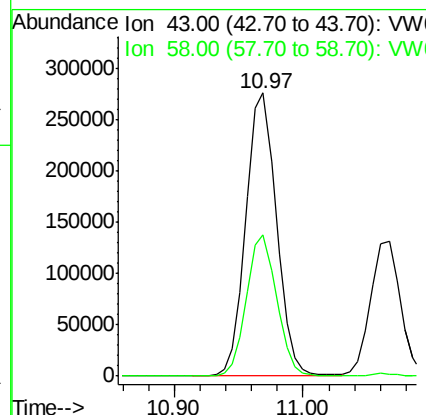
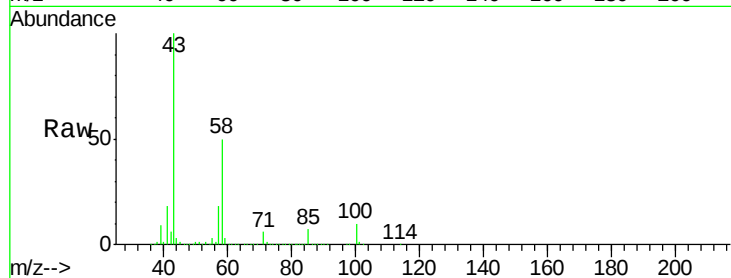
#59
2-Hexanone
Concen: 276.648 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	454310
Ion Ratio	100	Lower	Upper
43	100		
58	49.2	24.3	72.9

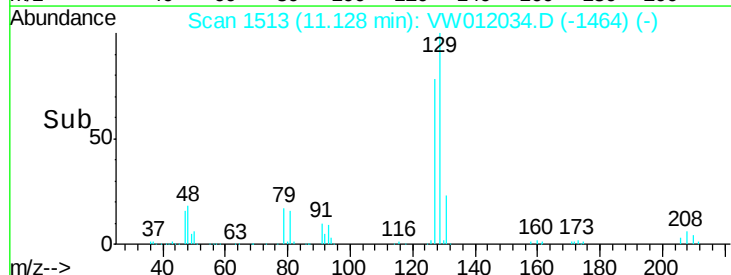
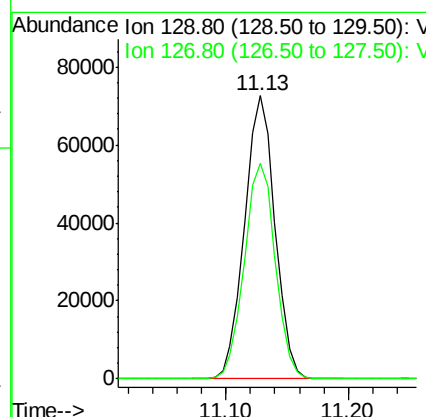
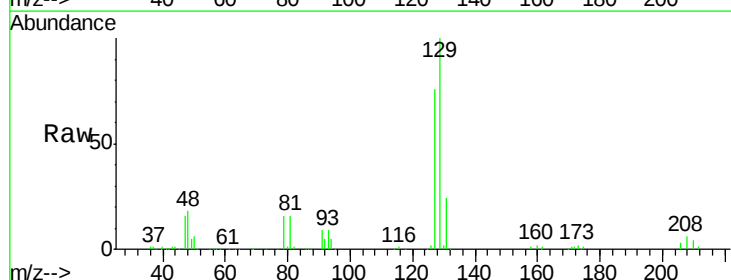
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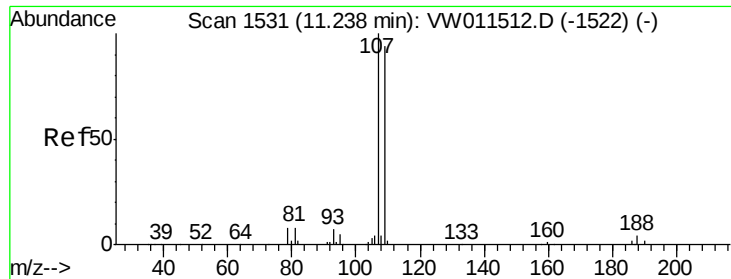
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#60
Dibromochloromethane
Concen: 55.187 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	129	Resp	125649
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.9	116.7





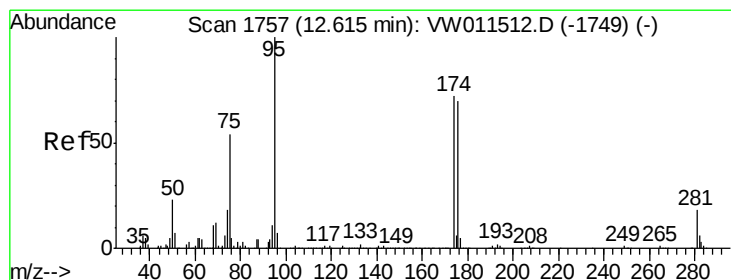
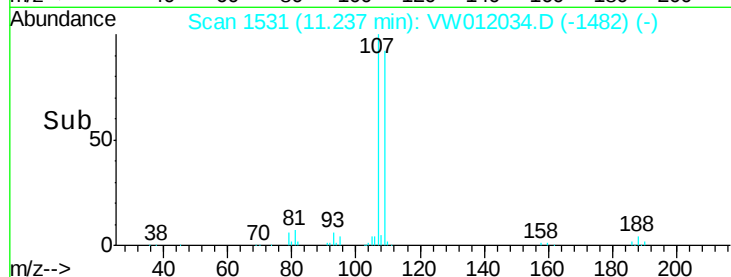
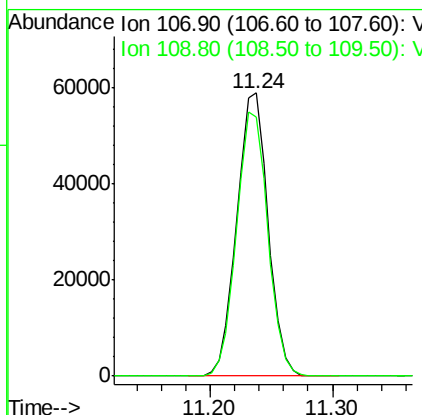
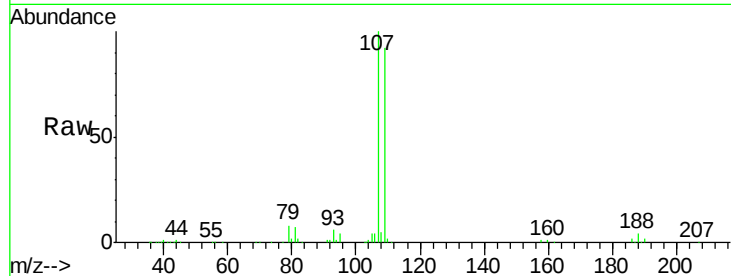
#61
 1,2-Dibromoethane
 Concen: 53.767 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6

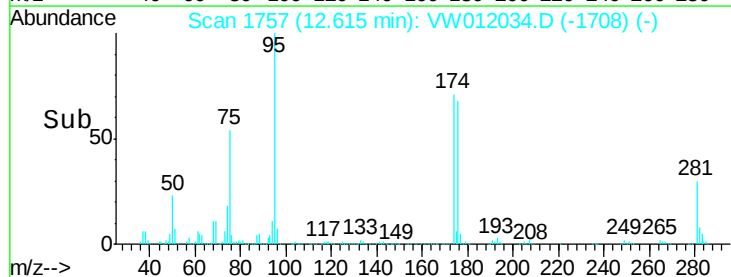
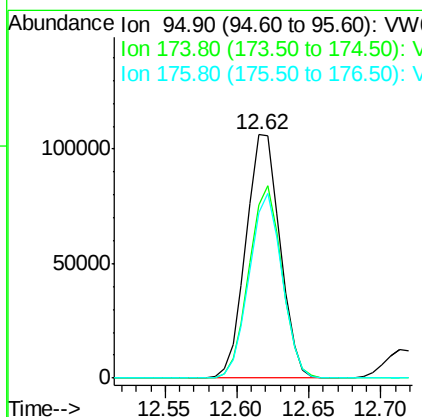
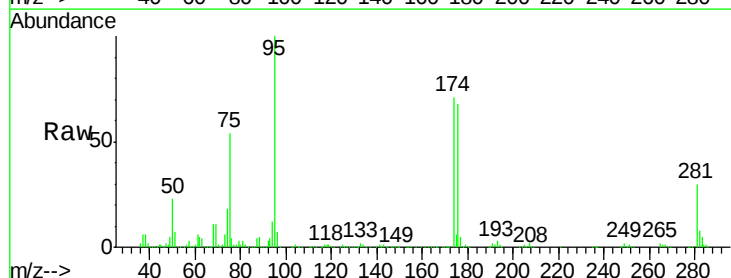
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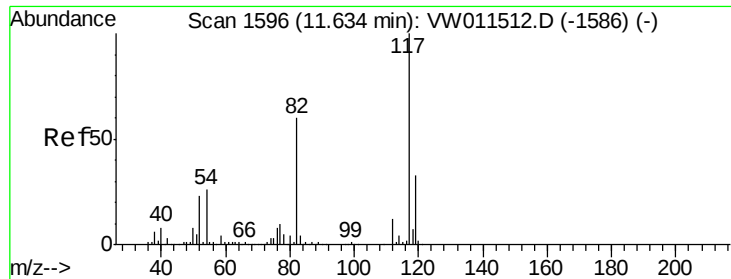
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#62
 4-Bromofluorobenzene
 Concen: 52.304 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	150.2
176	73.2	0.0	144.4





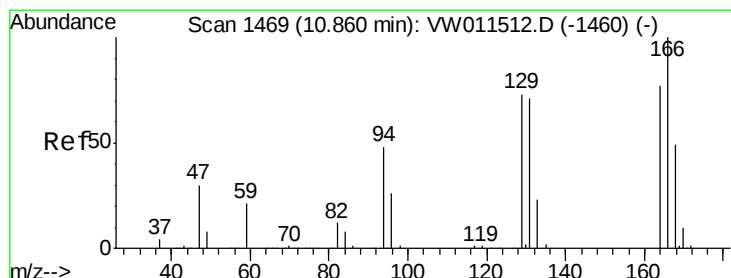
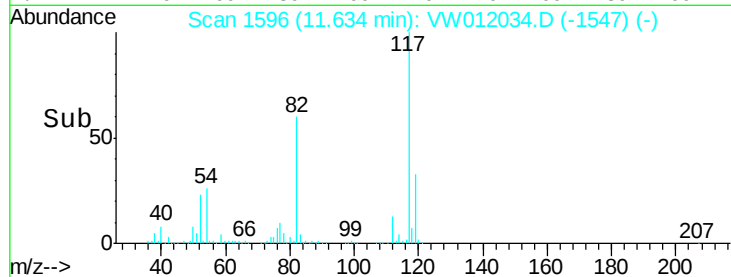
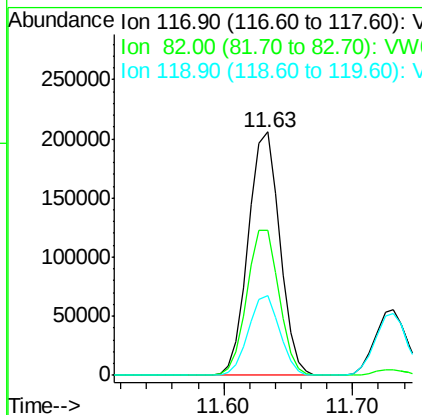
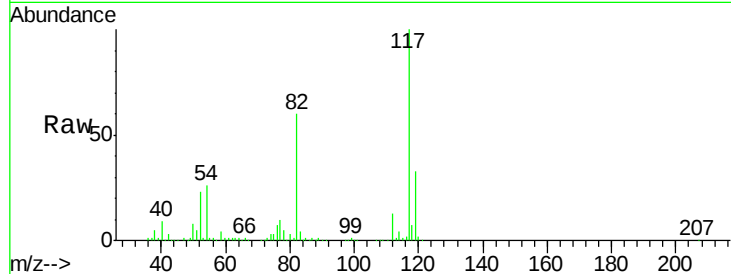
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	347960		
82	59.7		47.9	71.9
119	32.7		26.2	39.2

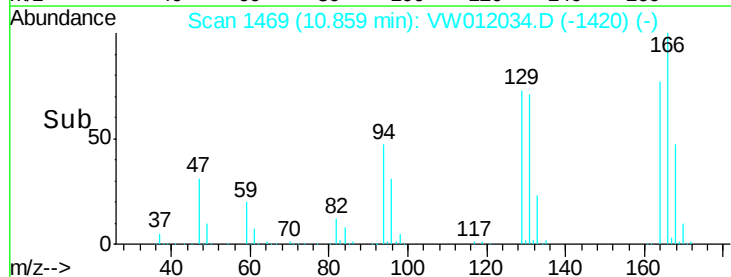
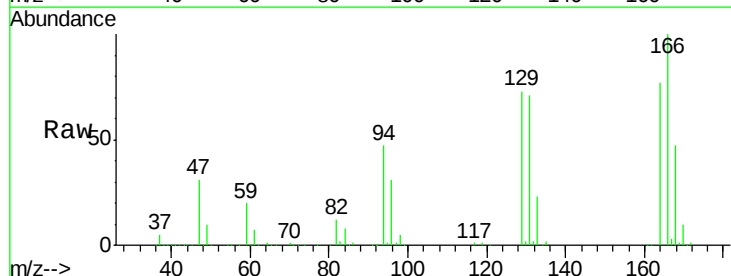
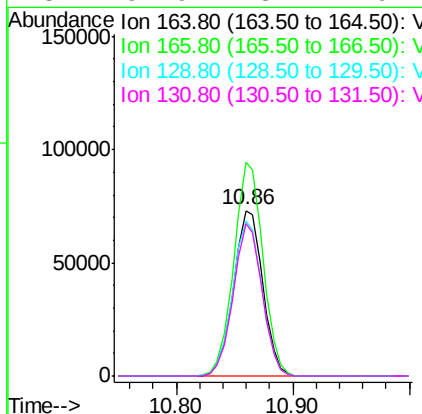
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#64
Tetrachloroethene
Concen: 56.549 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	128117		
166	129.1		103.5	155.3
129	93.6		75.2	112.8
131	91.9		73.4	110.2





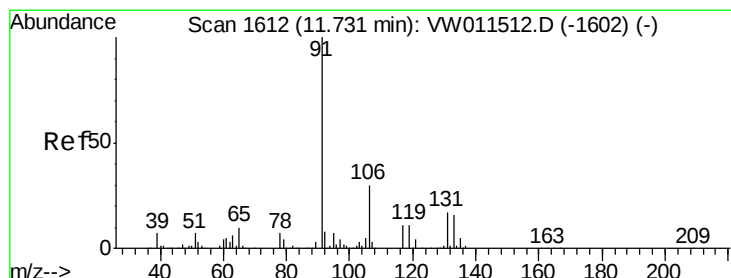
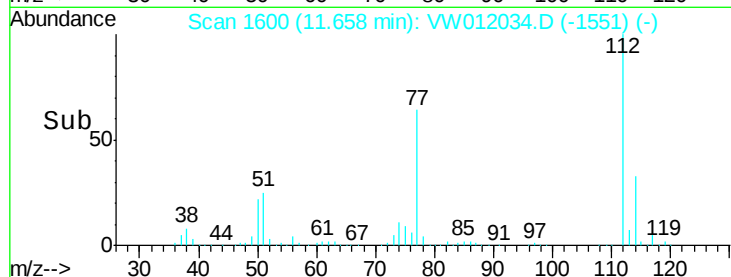
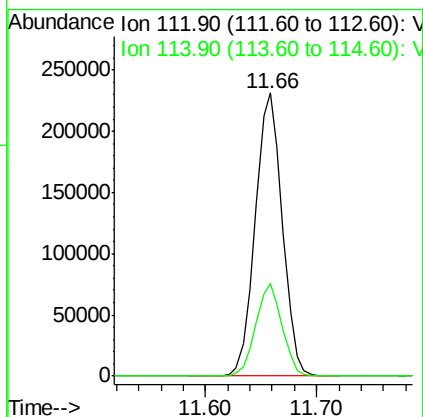
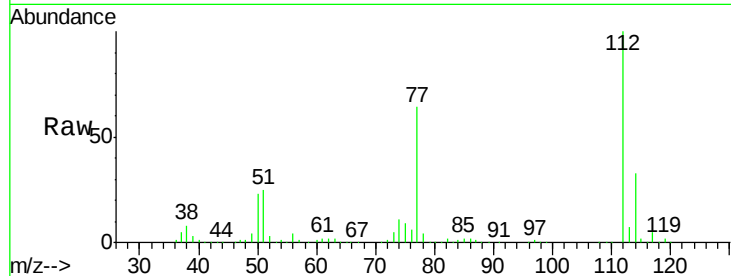
#65
Chlorobenzene
Concen: 55.763 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 390098
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4

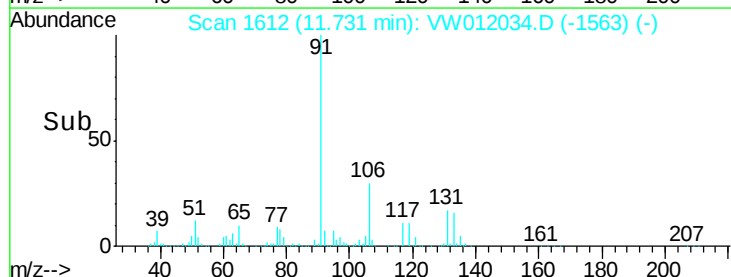
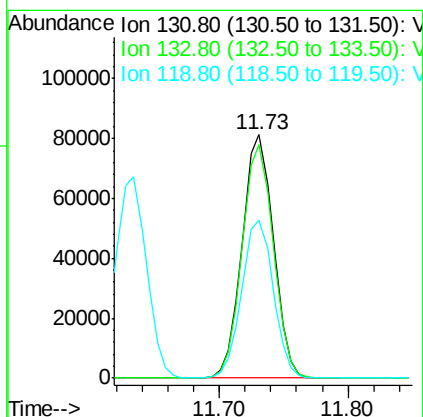
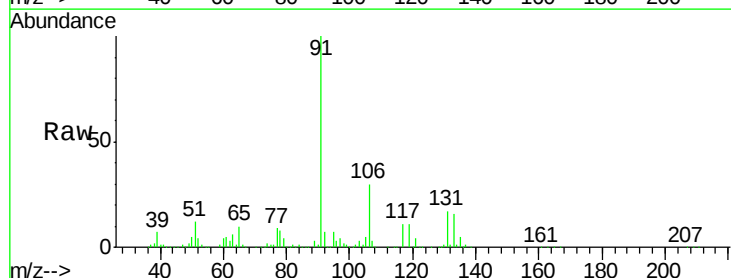
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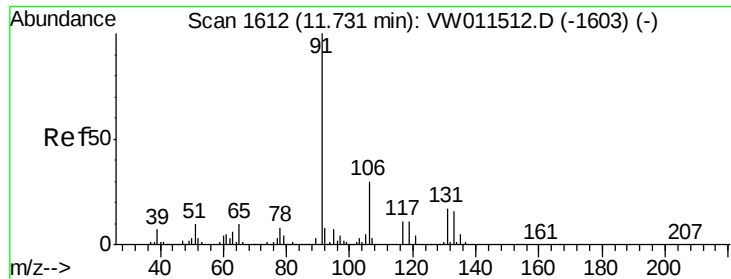
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.040 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion:131 Resp: 136555
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.2
119 65.5 32.3 96.9





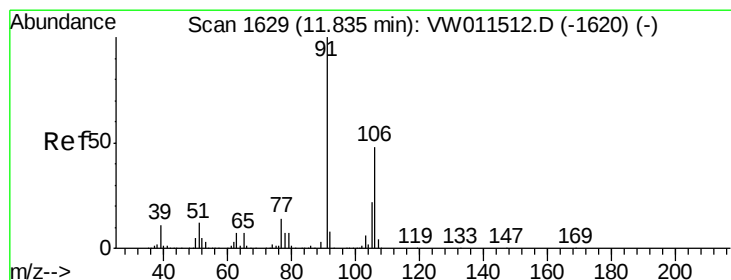
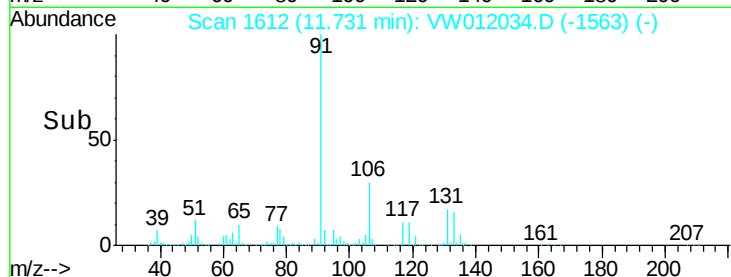
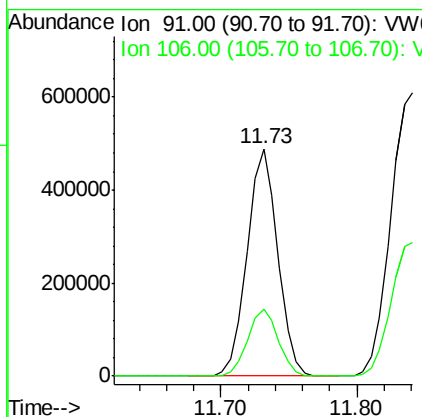
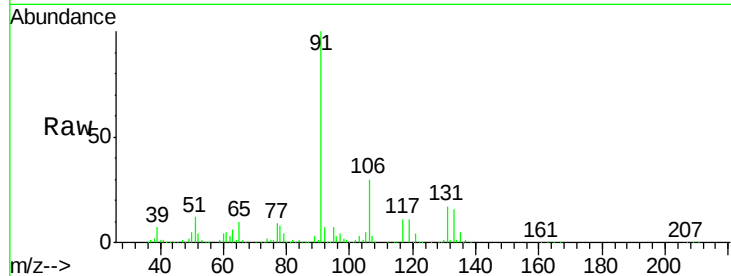
#67
Ethyl Benzene
Concen: 57.802 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 770125
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

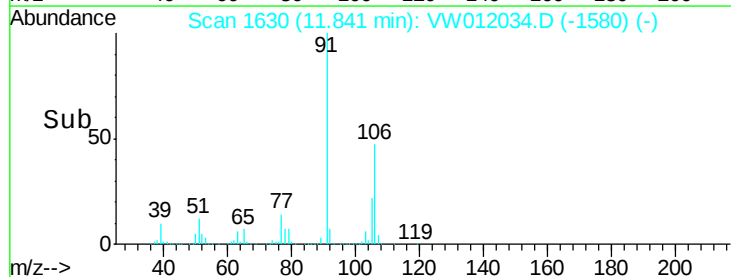
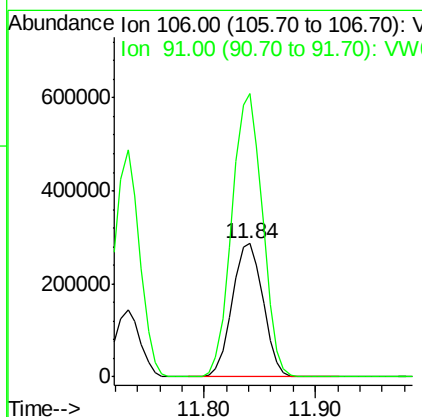
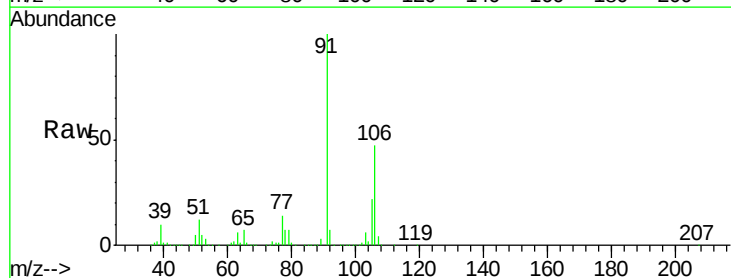
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#68
m/p-Xylenes
Concen: 113.562 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion: 106 Resp: 550247
Ion Ratio Lower Upper
106 100
91 210.4 168.2 252.2





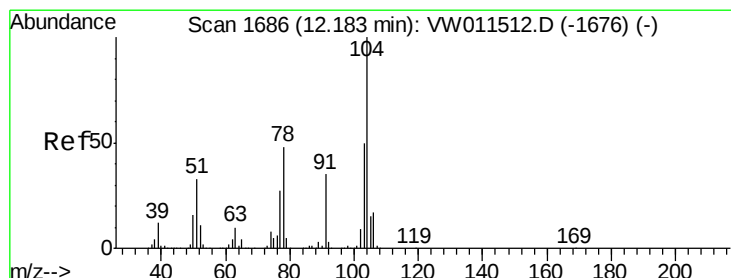
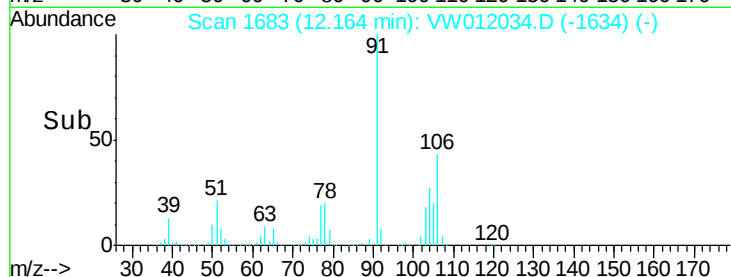
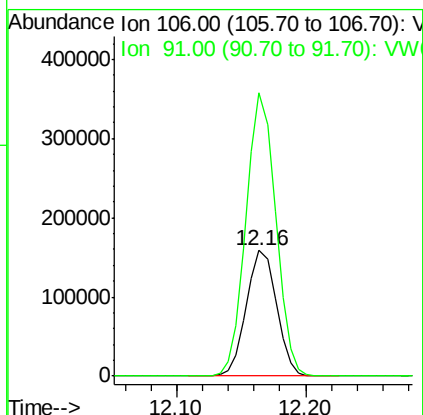
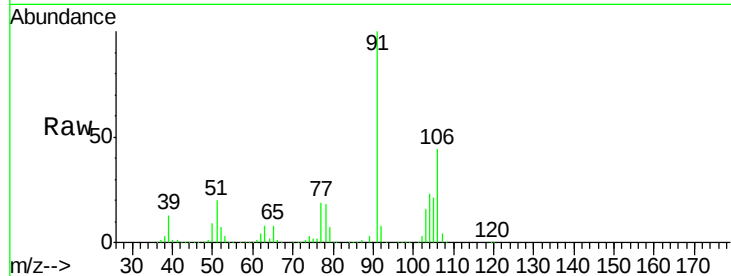
#69
o-Xylene
Concen: 57.110 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.5	331.5

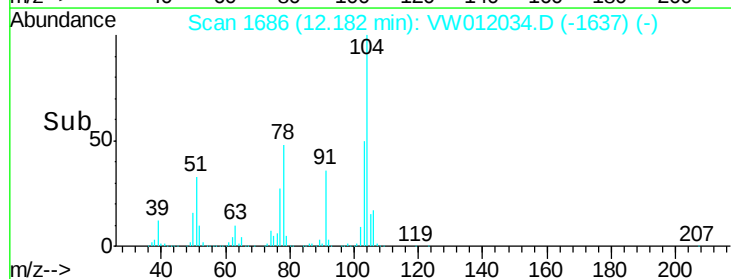
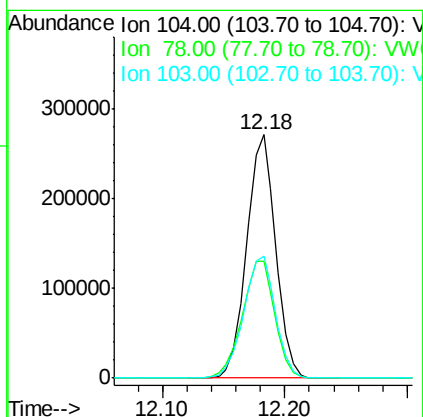
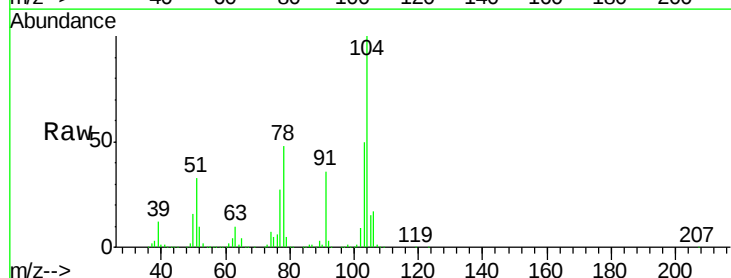
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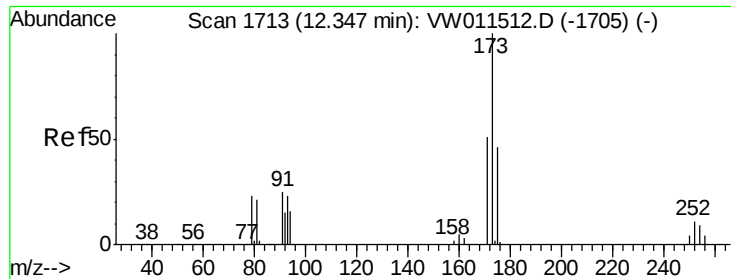
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#70
Styrene
Concen: 57.429 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.4	65.0
103	54.8	43.9	65.9





#71

Bromoform

Concen: 57.000 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 70817

Ion Ratio Lower Upper

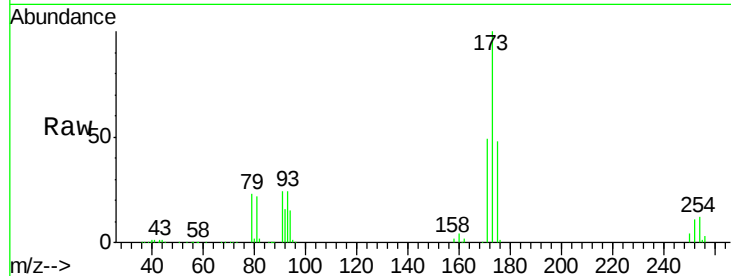
173 100

175 48.6 23.6 71.0

254 0.1 0.1 0.1#

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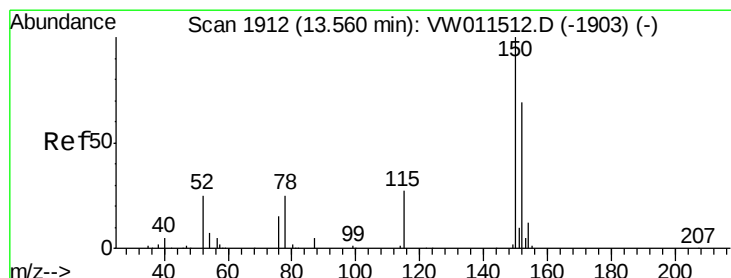
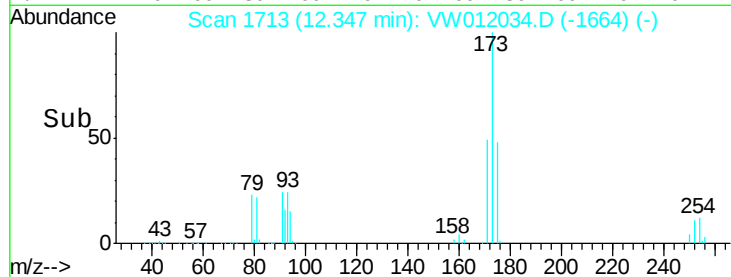
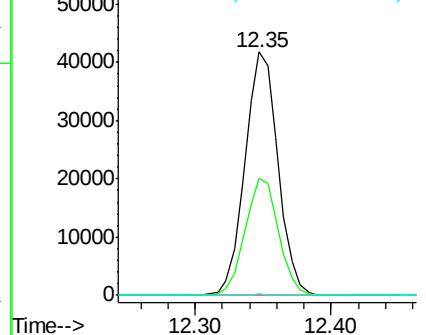
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

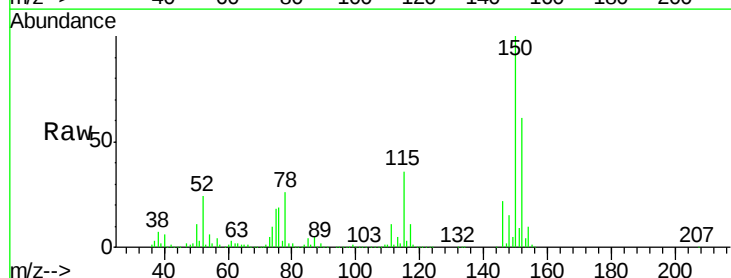
Tgt Ion:152 Resp: 170443

Ion Ratio Lower Upper

152 100

115 60.3 30.5 91.5

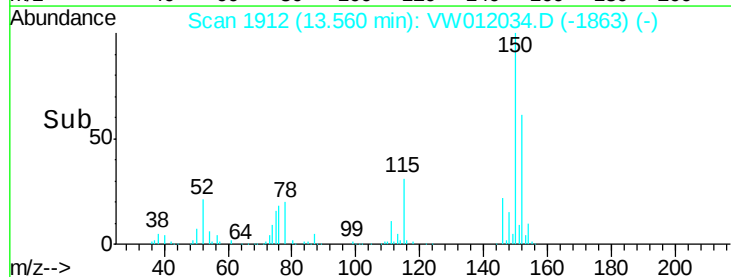
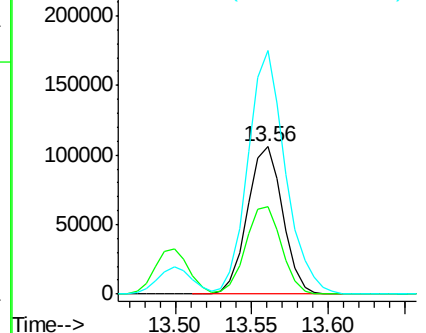
150 175.1 0.0 352.6

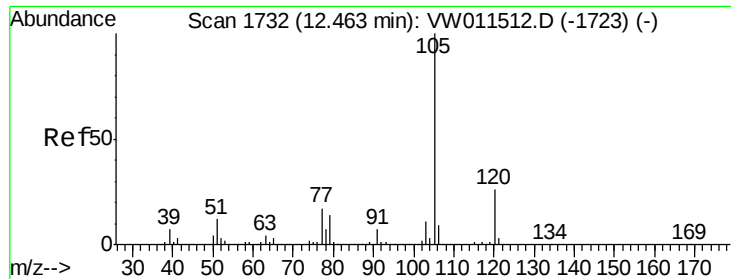


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.052 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 725439

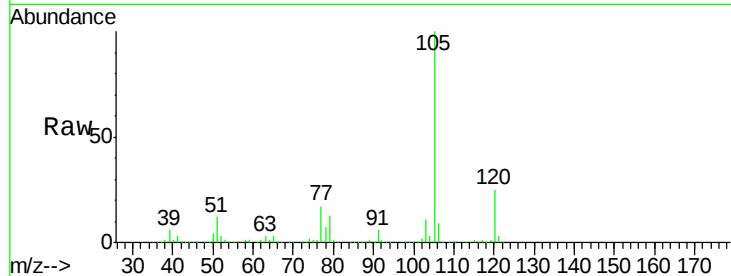
Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.7

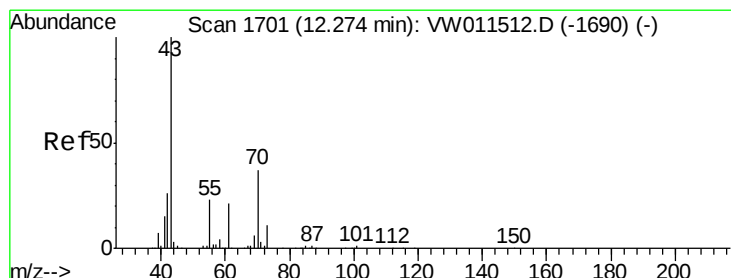
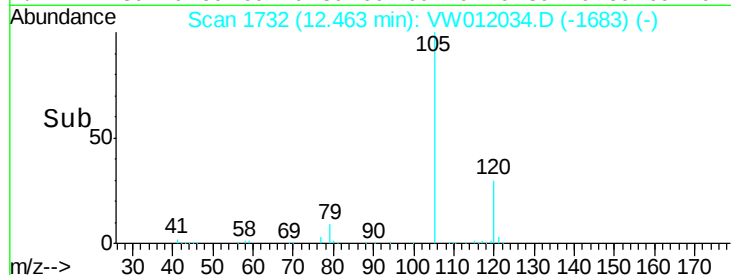
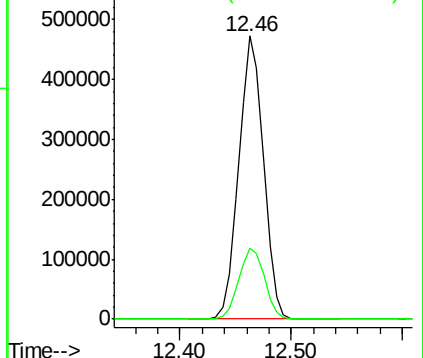
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.481 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion: 43 Resp: 232806

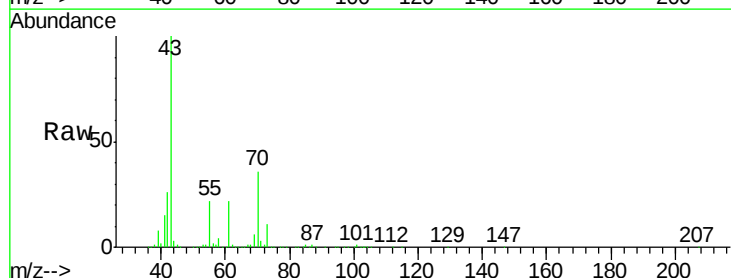
Ion Ratio Lower Upper

43 100

70 36.2 28.6 43.0

55 22.2 17.8 26.8

61 21.8 17.0 25.6

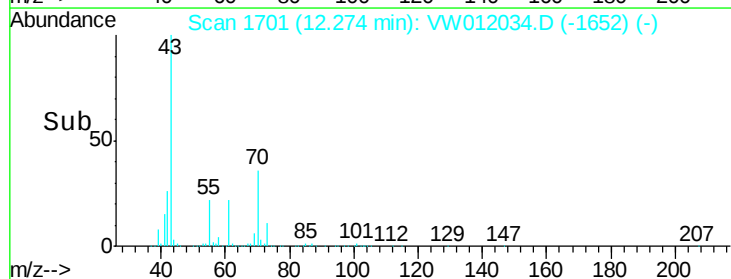
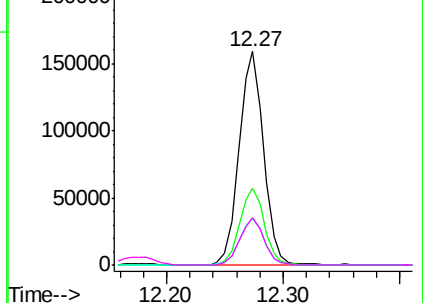


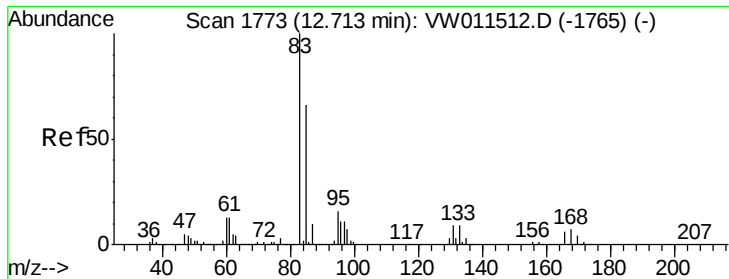
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 55.354 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

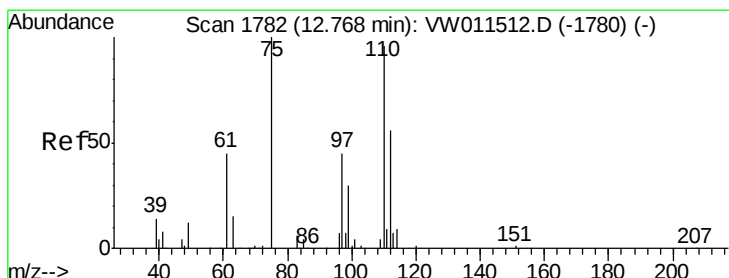
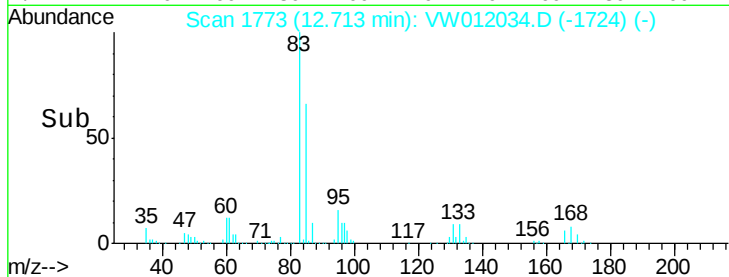
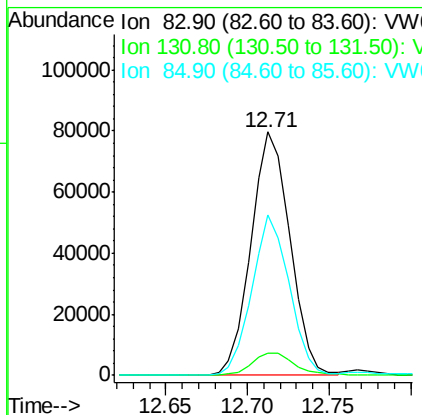
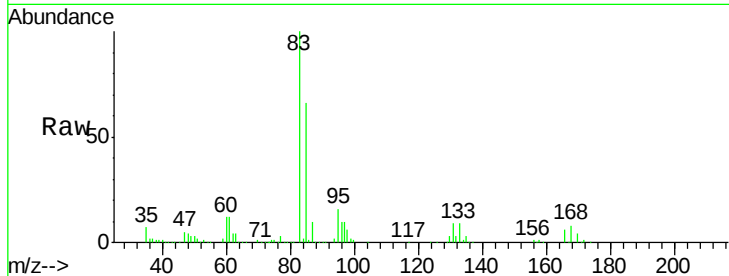
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132393
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.6
85	63.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.310 ug/l m

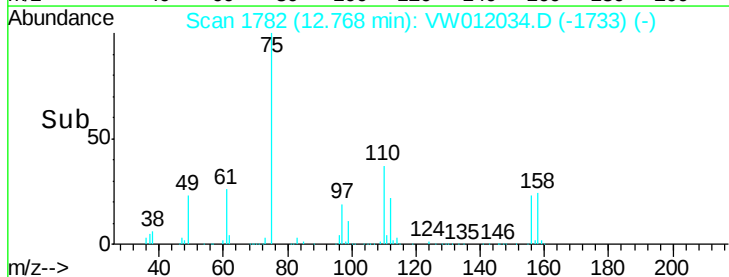
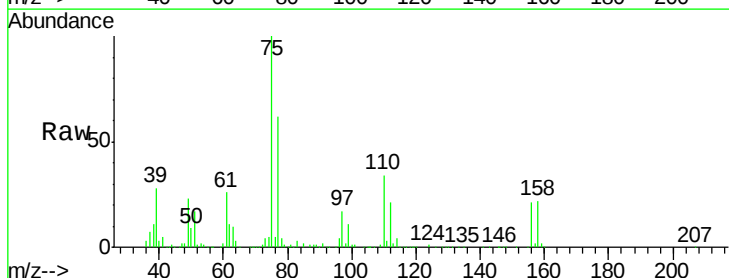
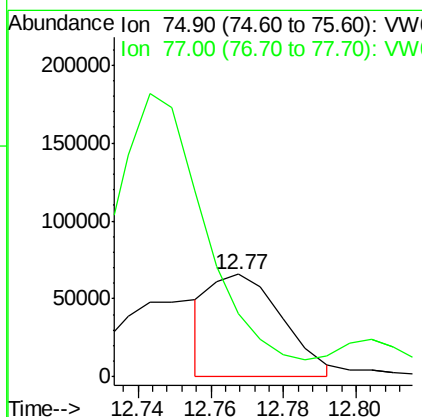
RT: 12.77 min Scan# 1782

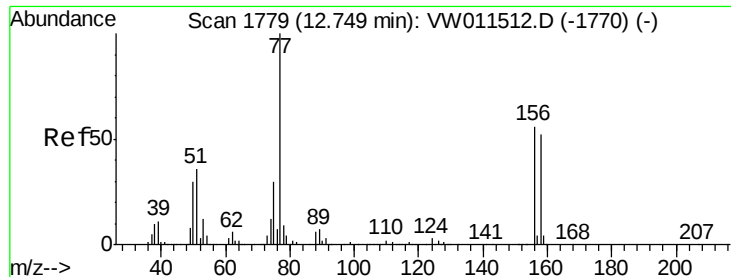
Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion:	75	Resp:	90734
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 56.057 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

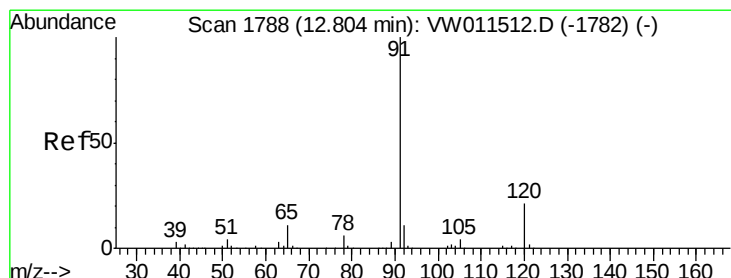
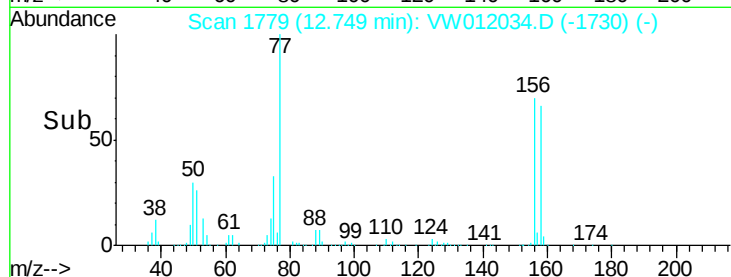
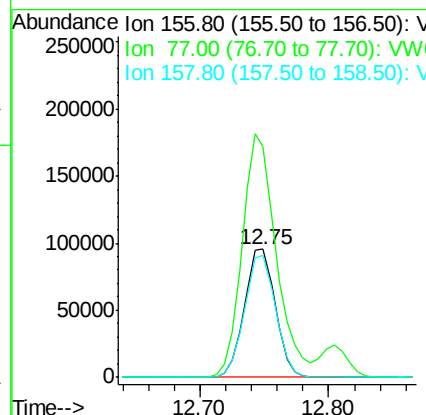
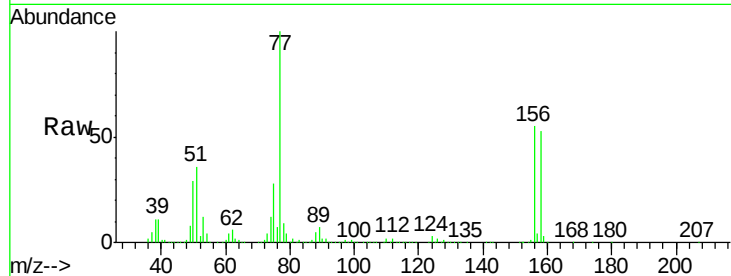
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	157547
Ion Ratio	Lower	Upper	
156	100		
77	209.8	106.5	319.4
158	96.2	48.0	144.2

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#78

n-propylbenzene

Concen: 57.495 ug/l

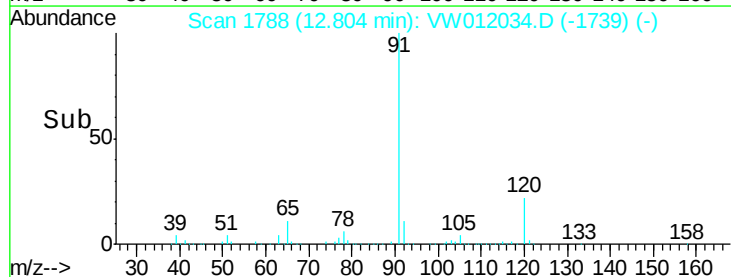
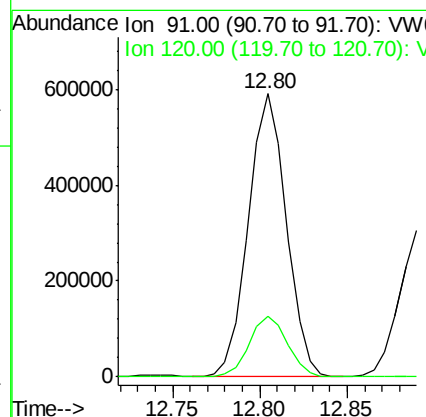
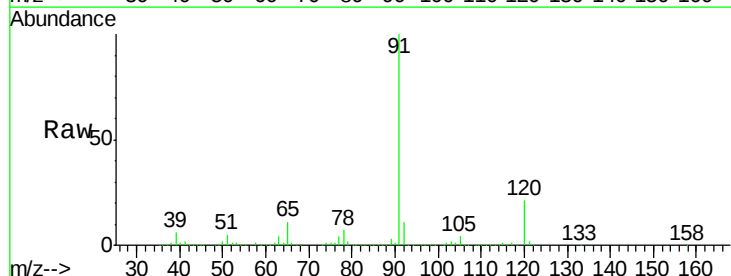
RT: 12.80 min Scan# 1788

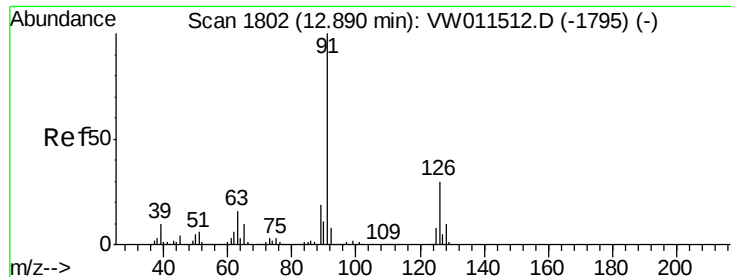
Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion:	91	Resp:	889721
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.9	32.7





#79

2-Chlorotoluene

Concen: 55.857 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 497966

Ion Ratio Lower Upper

91 100

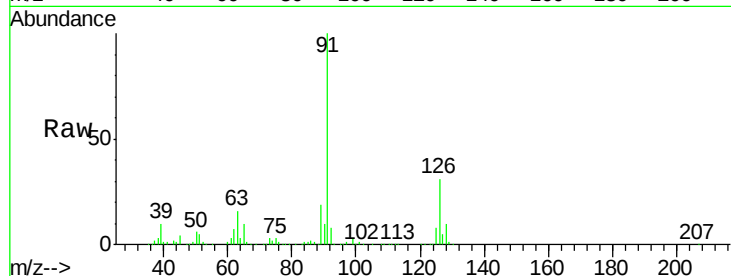
126 31.7 15.7 47.1

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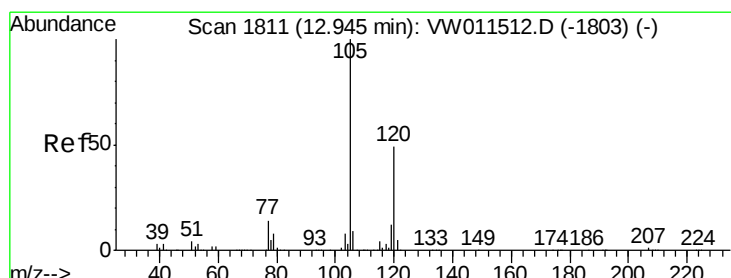
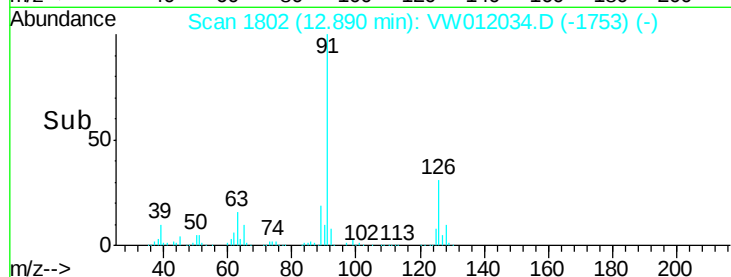
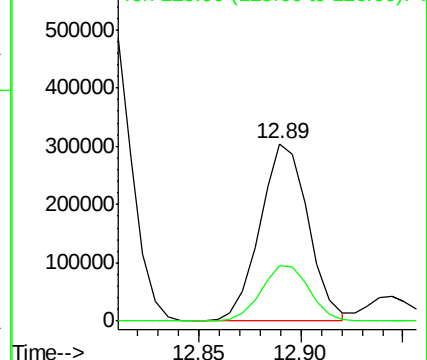
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.958 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012034.D

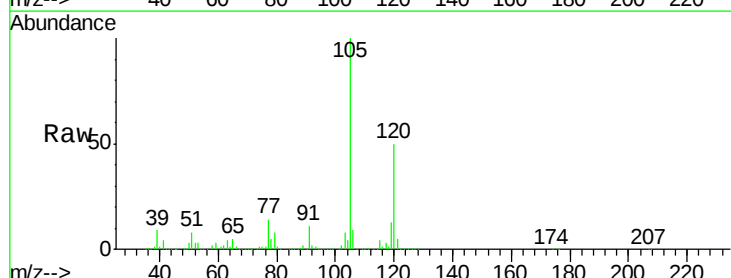
Acq: 20 Aug 2019 16:27

Tgt Ion:105 Resp: 607100

Ion Ratio Lower Upper

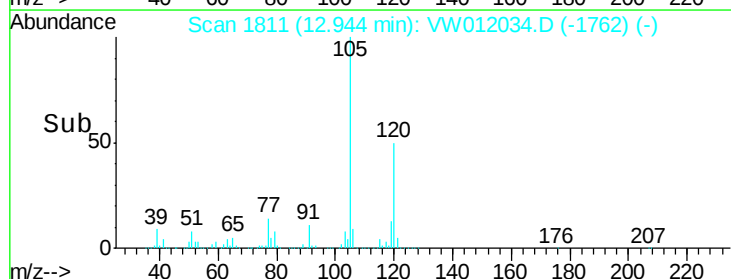
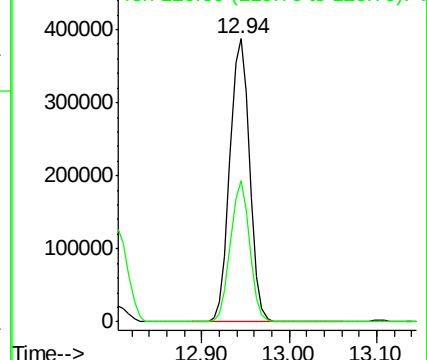
105 100

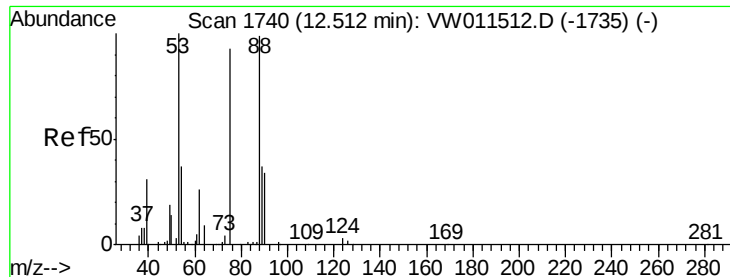
120 48.2 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





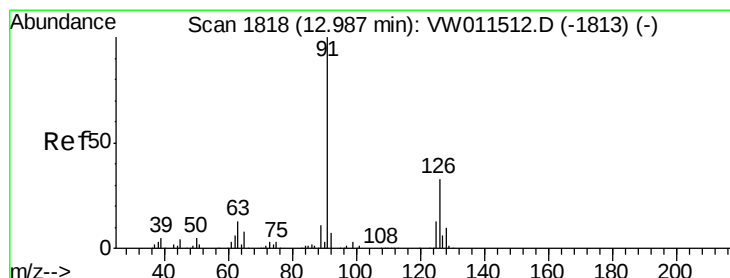
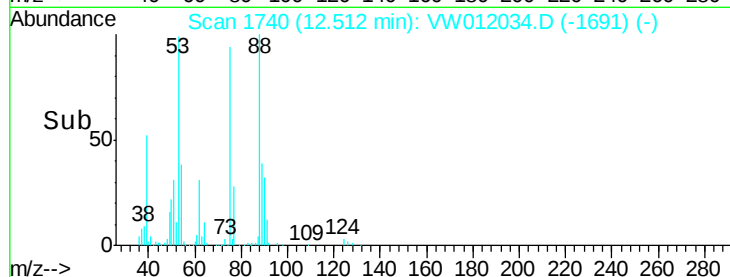
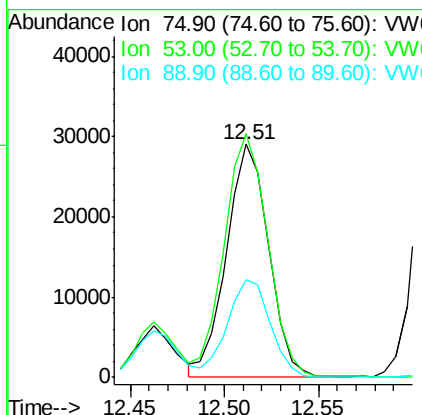
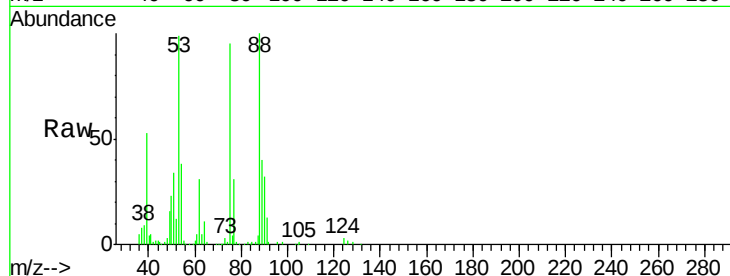
#81
trans-1,4-Dichloro-2-butene
Concen: 57.288 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.7	88.0	132.0
89	42.9	35.3	52.9

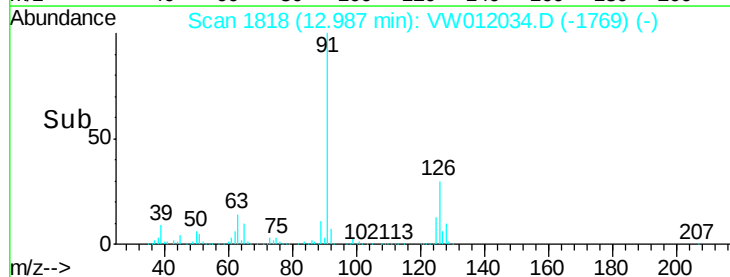
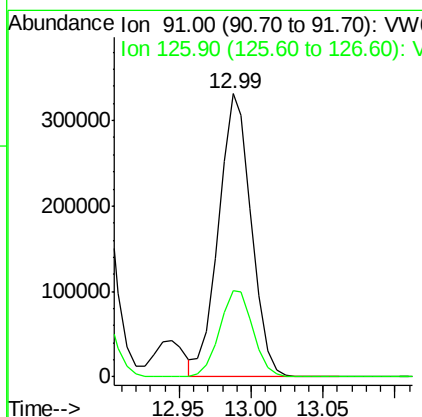
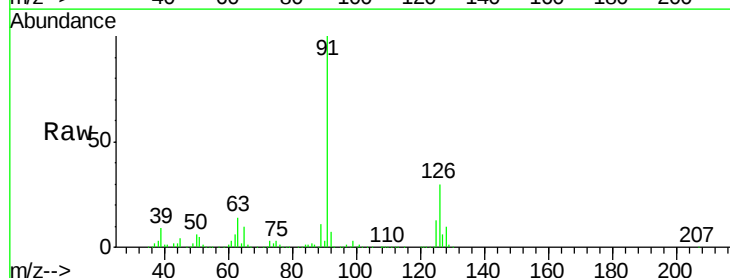
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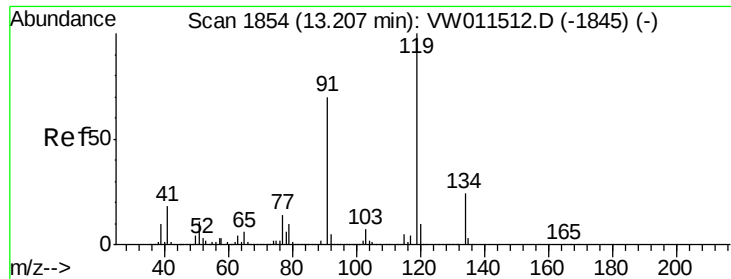
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#82
4-Chlorotoluene
Concen: 56.087 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





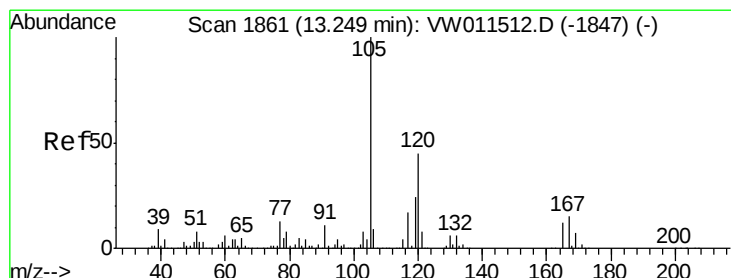
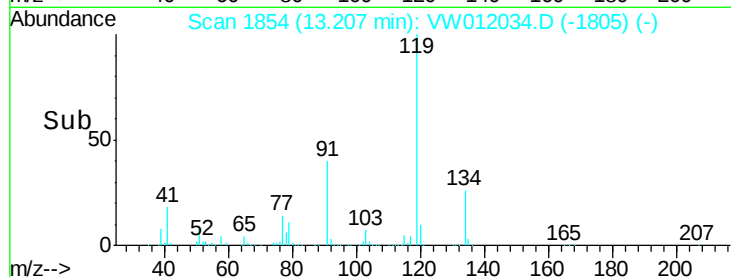
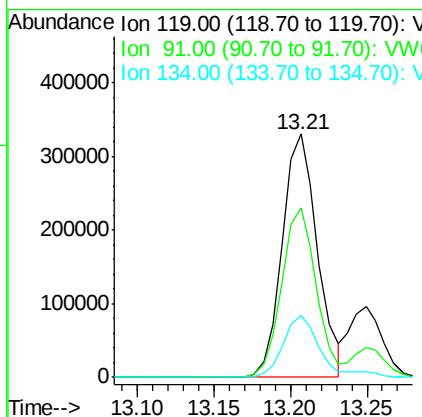
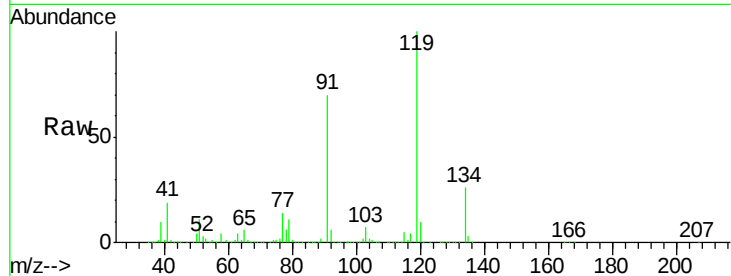
#83
tert-Butylbenzene
Concen: 58.807 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.5	103.6
134	25.3	12.4	37.4

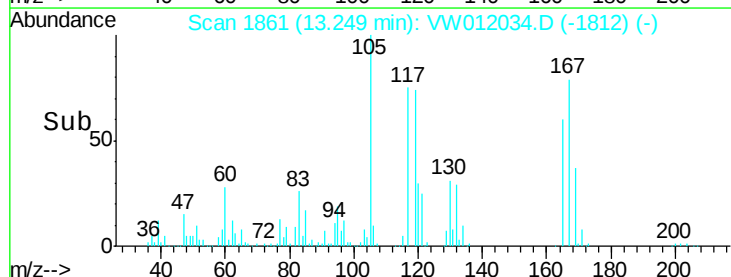
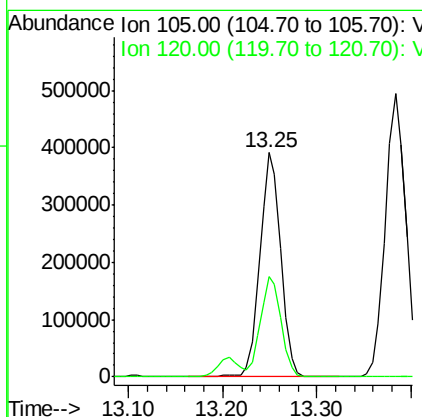
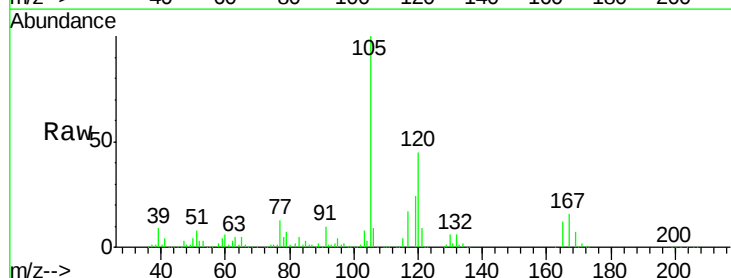
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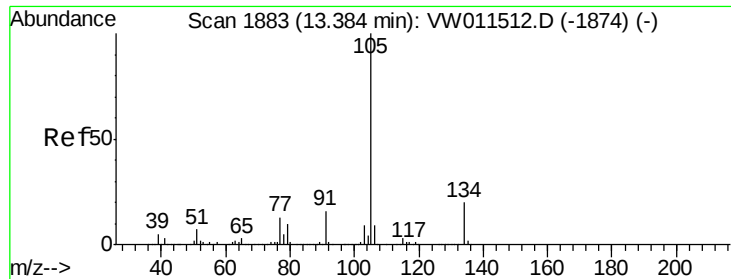
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#84
1,2,4-Trimethylbenzene
Concen: 56.865 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 58.858 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 748560

Ion Ratio Lower Upper

105 100

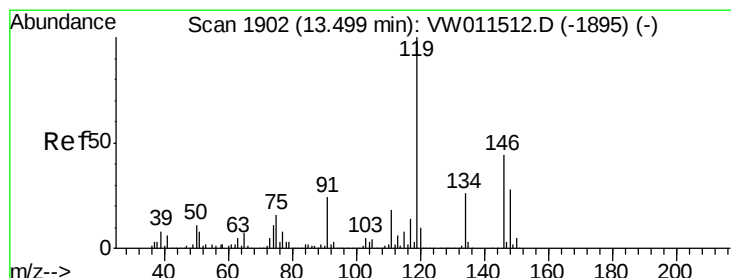
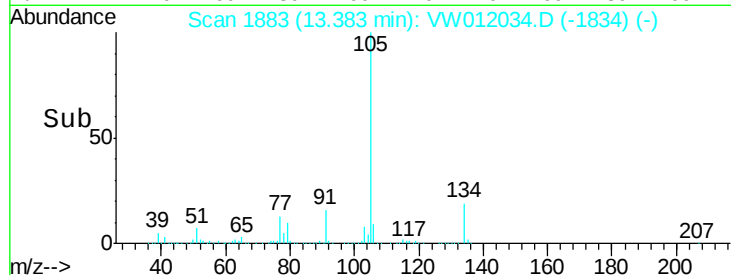
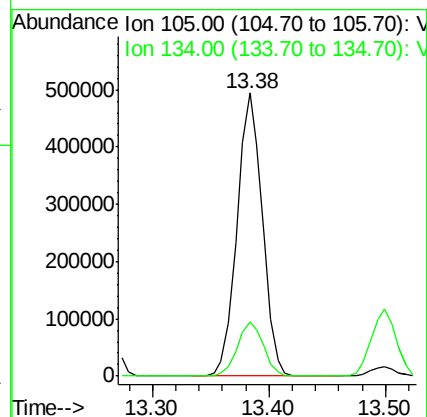
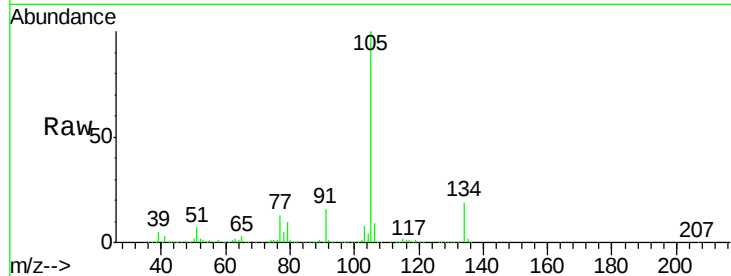
134 19.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 58.476 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

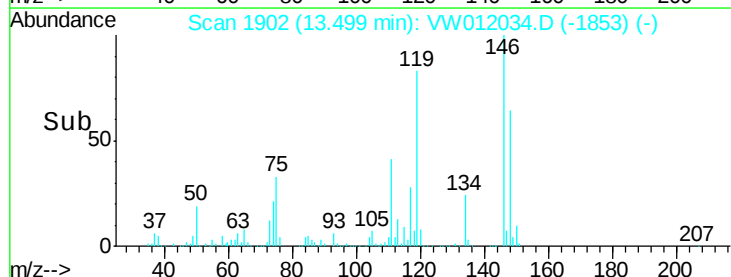
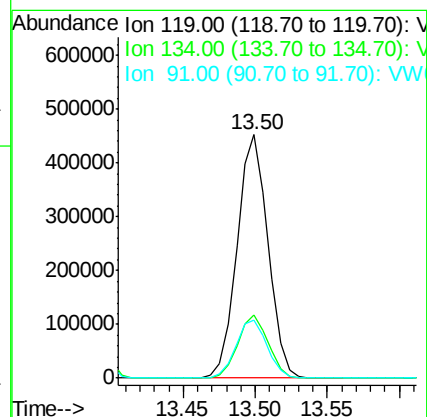
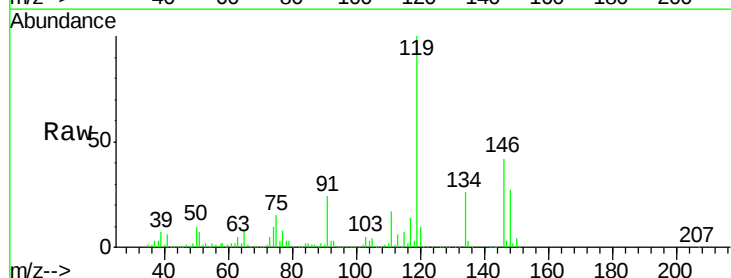
Tgt Ion:119 Resp: 674772

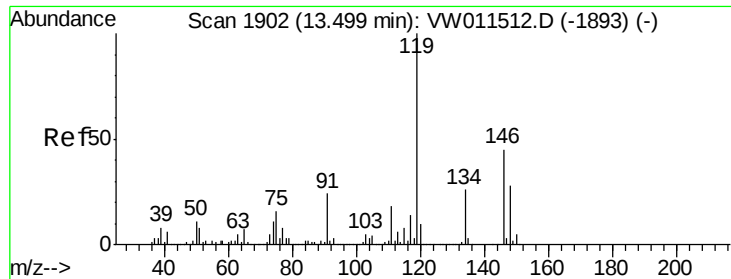
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.1 12.1 36.3





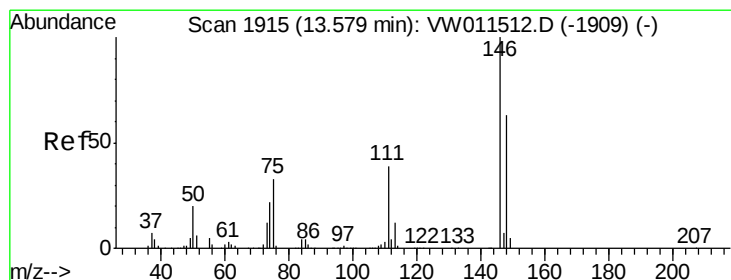
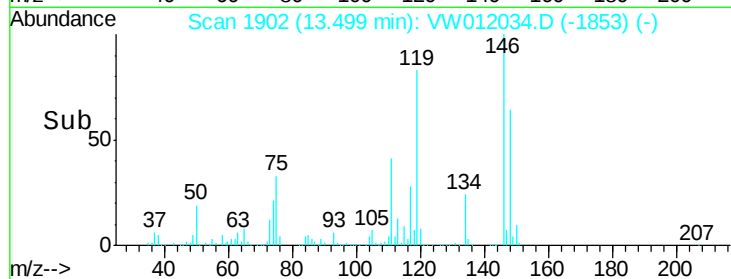
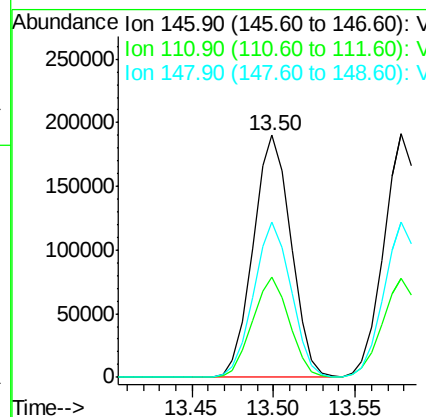
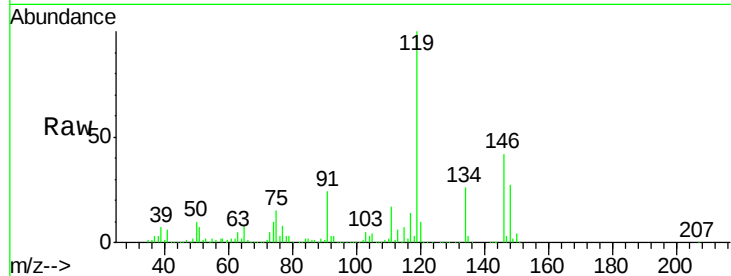
#87
 1,3-Dichlorobenzene
 Concen: 55.806 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	307537		
111	40.7	20.5	61.6	
148	63.6	31.8	95.3	

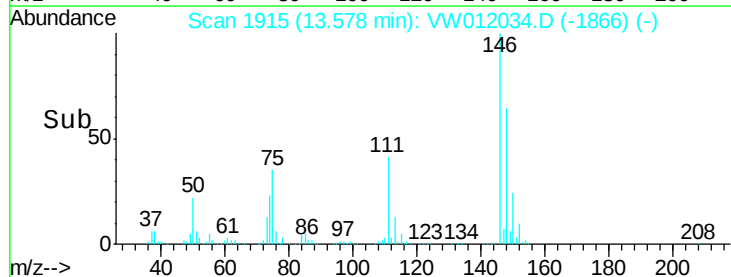
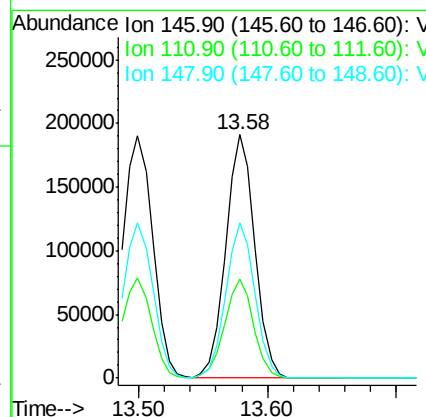
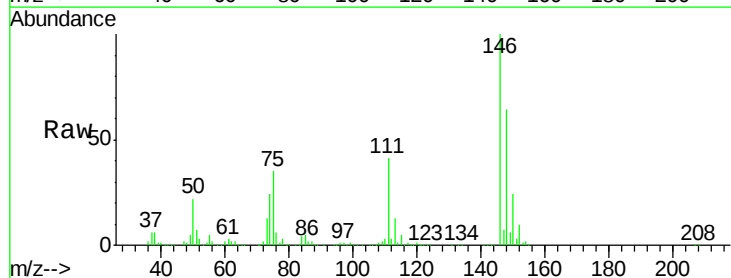
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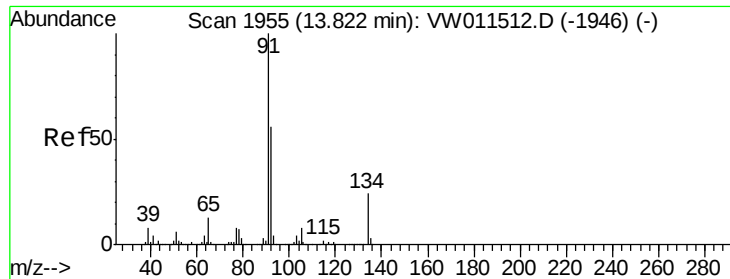
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#88
 1,4-Dichlorobenzene
 Concen: 55.128 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	302210		
111	40.6	20.1	60.2	
148	63.8	31.9	95.9	





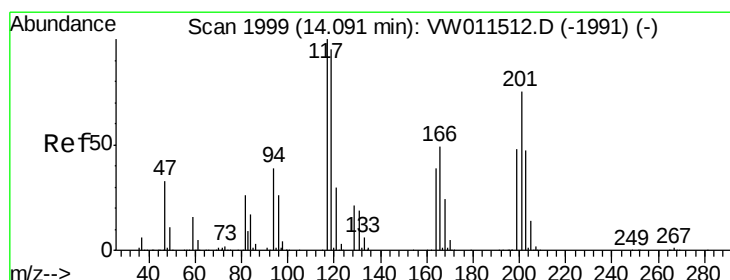
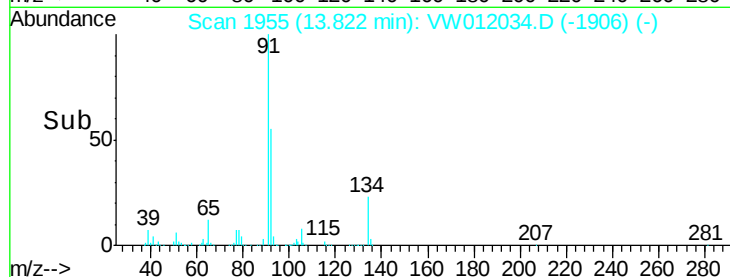
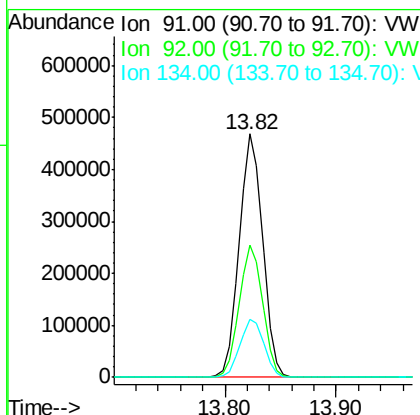
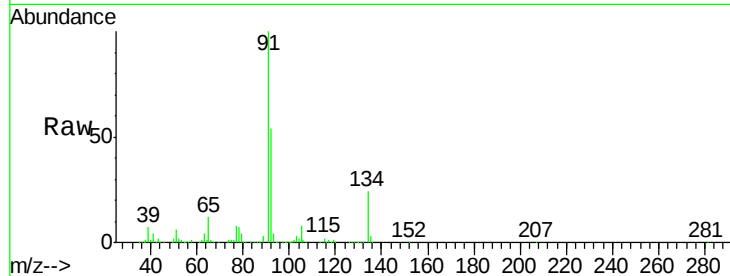
#89
n-Butylbenzene
Concen: 59.088 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	24.5	12.2	36.6

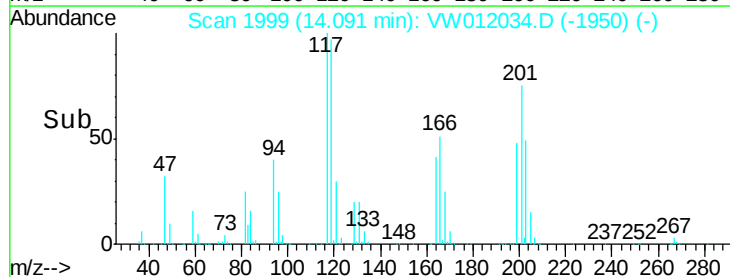
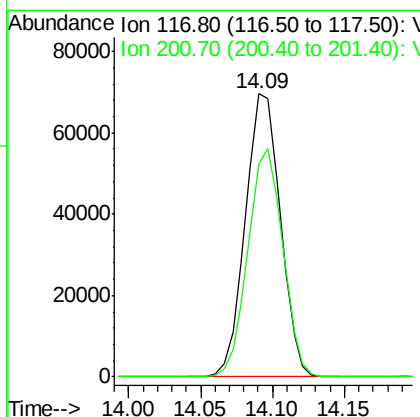
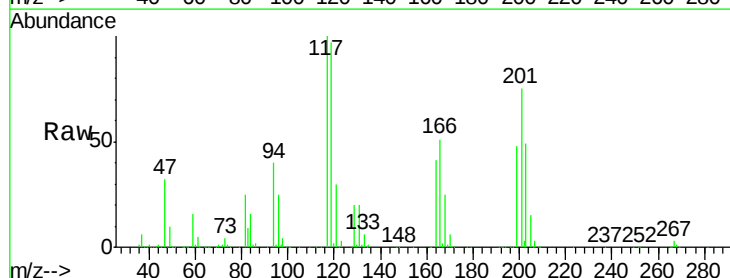
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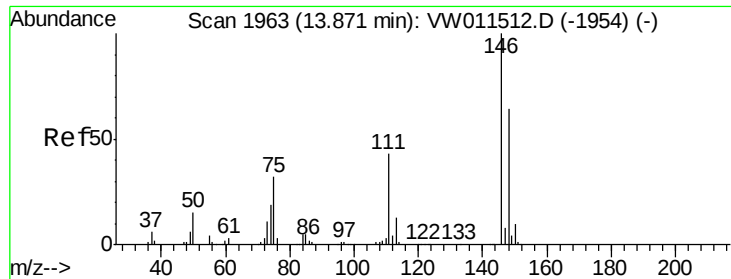
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#90
Hexachloroethane
Concen: 57.514 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012034.D
Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	39.4	118.2





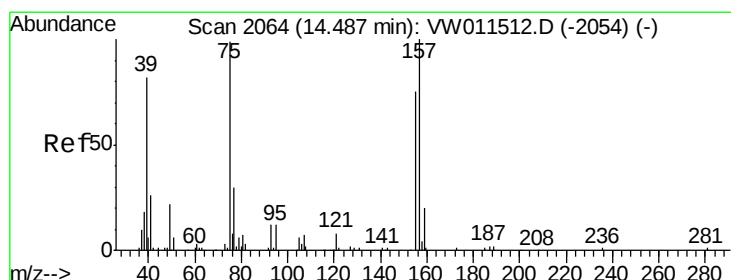
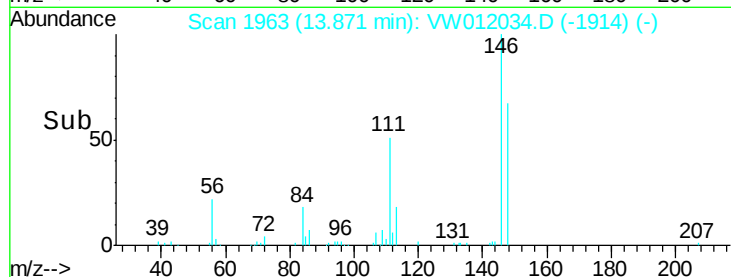
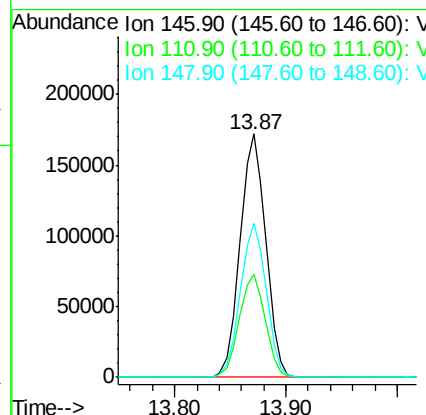
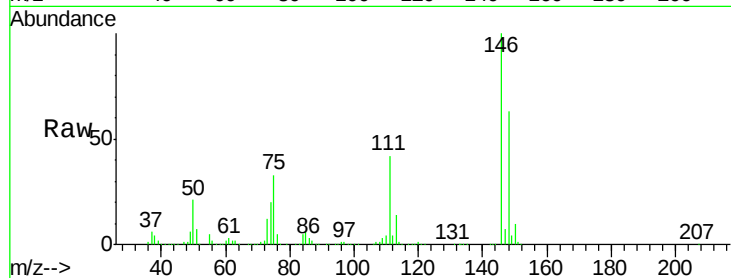
#91
 1,2-Dichlorobenzene
 Concen: 56.385 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.6	32.0	96.2

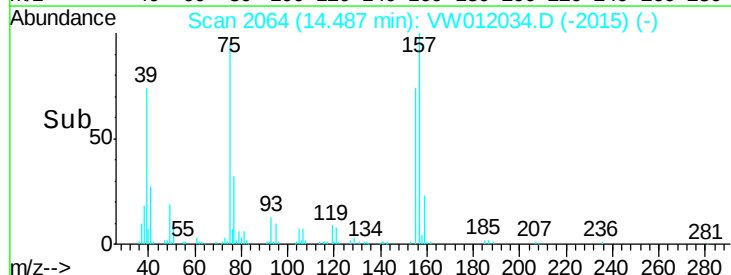
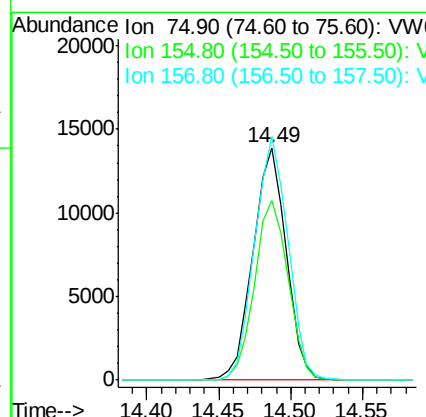
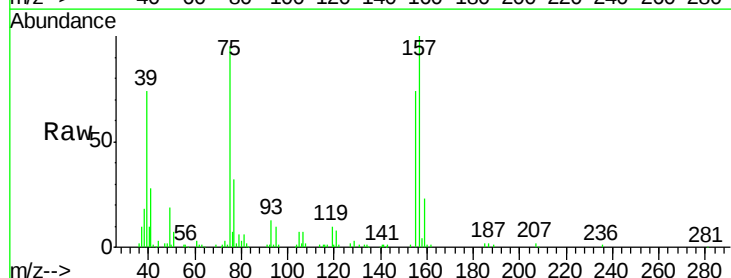
Manual Integrations
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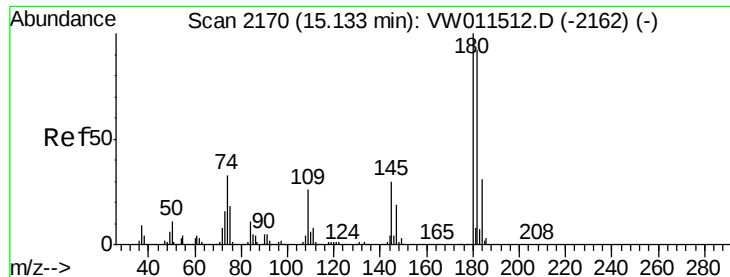
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 8/21/2019 8:29:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.041 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	38.2	114.6
157	105.4	48.9	146.7





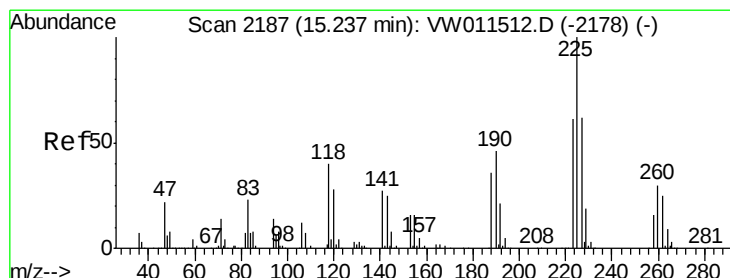
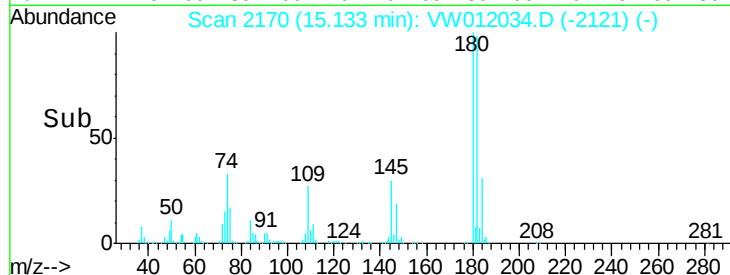
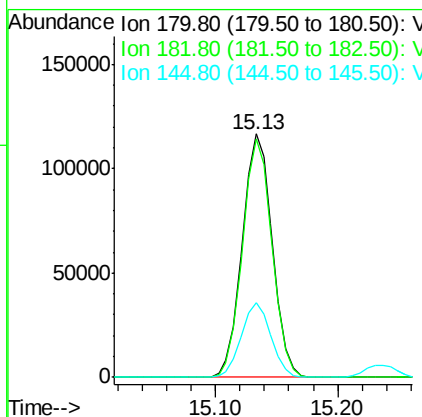
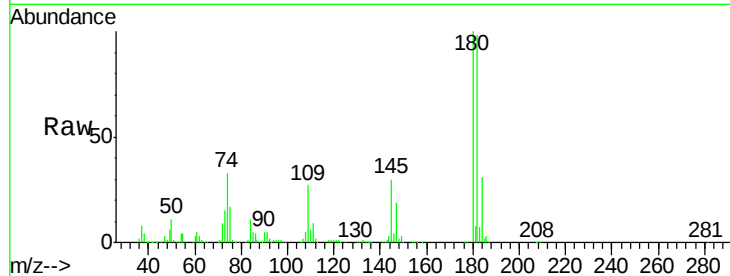
#93
 1,2,4-Trichlorobenzene
 Concen: 57.725 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198290		
182	96.5	47.4	142.2	
145	30.3	15.4	46.1	

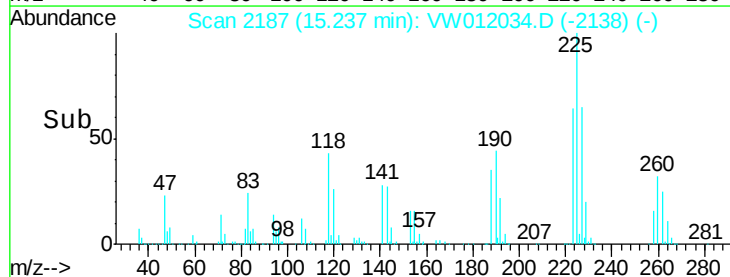
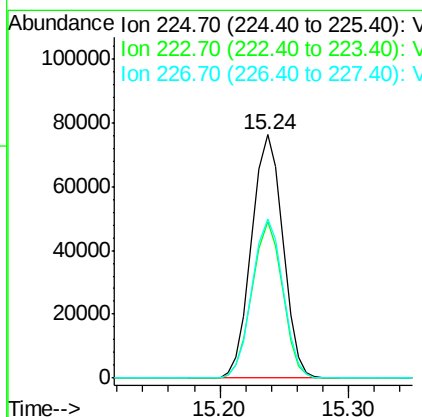
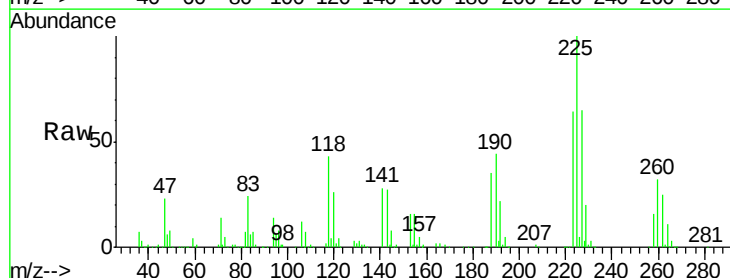
Manual Integrations
 APPROVED

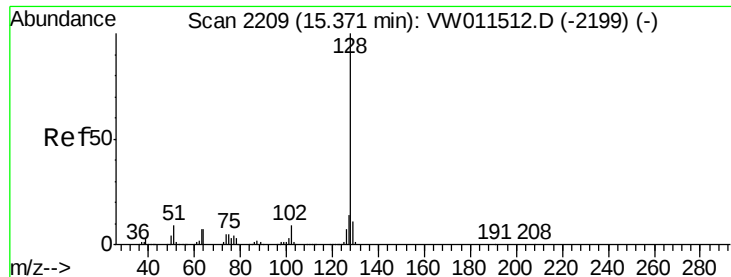
MMDadoda
 8/21/2019 8:29:53 AM



#94
 Hexachlorobutadiene
 Concen: 59.838 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012034.D
 Acq: 20 Aug 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128183		
223	62.7	30.8	92.3	
227	64.6	31.6	94.7	





#95

Naphthalene

Concen: 53.555 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Instrument :

MSVOA_W

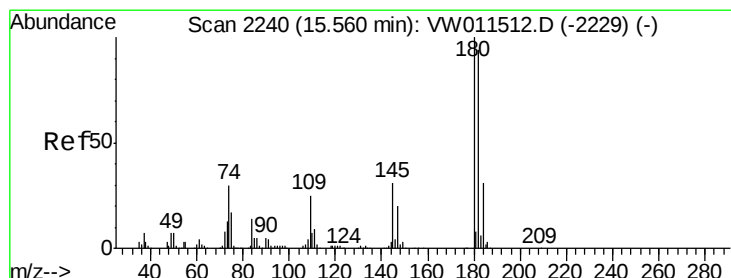
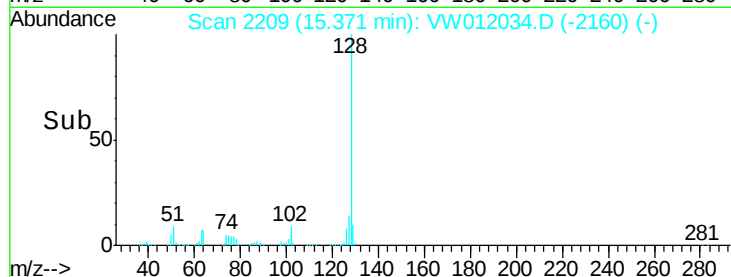
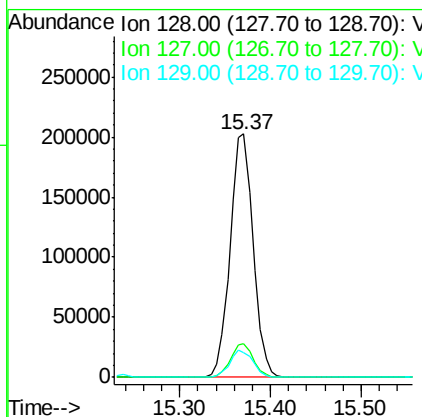
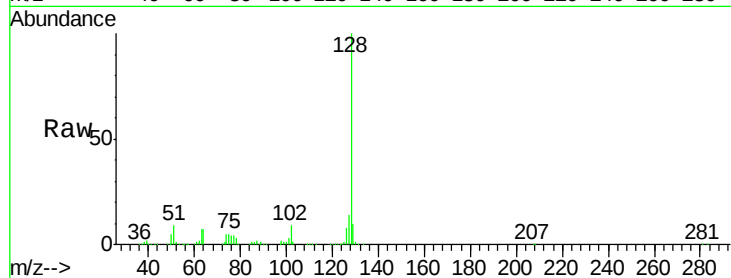
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	361389
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:29:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.238 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW012034.D

Acq: 20 Aug 2019 16:27

Tgt Ion:	180	Resp:	172346
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.4	142.2
145	32.1	15.9	47.7

