

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091819\
 Data File : VW013130.D
 Acq On : 18 Sep 2019 22:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 11:21:57 AM

Quant Time: Sep 19 09:25:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	209345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	144002	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
35) Dibromofluoromethane	7.88	113	138581	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
50) Toluene-d8	10.32	98	552189	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.62	95	192764	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	50881	42.923	ug/l	97
3) Chloromethane	2.21	50	70019	47.427	ug/l	100
4) Vinyl Chloride	2.36	62	94014	43.037	ug/l	98
5) Bromomethane	2.77	94	64879	48.634	ug/l	98
6) Chloroethane	2.92	64	64269	47.970	ug/l	94
7) Trichlorofluoromethane	3.25	101	60614	39.679	ug/l	98
8) Diethyl Ether	3.67	74	69797	58.515	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119684	51.657	ug/l	98
10) Methyl Iodide	4.27	142	170039	58.643	ug/l	94
11) Tert butyl alcohol	5.18	59	53379	283.400	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	109445	51.953	ug/l	92
13) Acrolein	3.89	56	48692	233.877	ug/l	97
14) Allyl chloride	4.67	41	204552	51.147	ug/l	90
15) Acrylonitrile	5.36	53	184173	302.311	ug/l	99
16) Acetone	4.12	43	148029	241.350	ug/l	97
17) Carbon Disulfide	4.39	76	188337	44.862	ug/l	99
18) Methyl Acetate	4.67	43	90028	56.062	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	246128	59.188	ug/l	99
20) Methylene Chloride	4.91	84	138759	62.200	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	122095	54.114	ug/l	94
22) Diisopropyl ether	6.31	45	479229	57.681	ug/l	96
23) Vinyl Acetate	6.25	43	1388967	279.125	ug/l	96
24) 1,1-Dichloroethane	6.21	63	260146	54.307	ug/l	99
25) 2-Butanone	7.17	43	236733	264.129	ug/l	96
26) 2,2-Dichloropropane	7.16	77	147897	48.521	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	156618	57.980	ug/l	92
28) Bromochloromethane	7.51	49	113605	56.345	ug/l	92
29) Tetrahydrofuran	7.52	42	150137	293.993	ug/l	96
30) Chloroform	7.67	83	261521	53.730	ug/l	100
31) Cyclohexane	7.95	56	185691	51.792	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	196615	49.052	ug/l	97
36) 1,1-Dichloropropene	8.08	75	176769	46.709	ug/l	97
37) Ethyl Acetate	7.25	43	103564	51.557	ug/l	95
38) Carbon Tetrachloride	8.07	117	171181	44.139	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	201408	48.568	ug/l	95
40) Benzene	8.32	78	551185	52.171	ug/l	99
41) Methacrylonitrile	7.48	41	66236	50.072	ug/l	91
42) 1,2-Dichloroethane	8.40	62	162933	46.006	ug/l	93
43) Isopropyl Acetate	8.42	43	202360	52.468	ug/l	97
44) Trichloroethene	9.09	130	151541	52.367	ug/l	85
45) 1,2-Dichloropropane	9.37	63	154269	54.960	ug/l	97
46) Dibromomethane	9.46	93	74297	55.248	ug/l	97
47) Bromodichloromethane	9.64	83	193070	51.183	ug/l	96
48) Methyl methacrylate	9.43	41	94524	52.221	ug/l	89
49) 1,4-Dioxane	9.46	88	25878	1148.409	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	536269	269.319	ug/l	95
52) Toluene	10.38	92	362084	53.935	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	196498	51.796	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	235627	54.283	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	118865	58.021	ug/l	98
56) Ethyl methacrylate	10.65	69	160619	58.247	ug/l	91
57) 1,3-Dichloropropane	10.93	76	202881	55.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	407408	275.419	ug/l	97
59) 2-Hexanone	10.97	43	363637	262.271	ug/l	94
60) Dibromochloromethane	11.13	129	136077	54.940	ug/l	98
61) 1,2-Dibromoethane	11.23	107	109363	58.519	ug/l	99
64) Tetrachloroethene	10.86	164	134486	55.237	ug/l	96
65) Chlorobenzene	11.66	112	406174	55.717	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	151103	54.089	ug/l	99
67) Ethyl Benzene	11.73	91	720258	53.497	ug/l	98
68) m/p-Xylenes	11.84	106	541760	110.149	ug/l	95
69) o-Xylene	12.16	106	261025	56.608	ug/l	95
70) Styrene	12.18	104	470783	57.394	ug/l	96
71) Bromoform	12.35	173	81821	55.759	ug/l #	98
73) Isopropylbenzene	12.46	105	732936	52.821	ug/l	100
74) N-amyl acetate	12.27	43	190336	53.323	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	141256	57.960	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	106149m	57.888	ug/l	
77) Bromobenzene	12.74	156	178968	55.986	ug/l	93
78) n-propylbenzene	12.80	91	842699	51.629	ug/l	98
79) 2-Chlorotoluene	12.89	91	488842	52.099	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	616787	52.542	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	42920	53.097	ug/l	93
82) 4-Chlorotoluene	12.99	91	507809	51.293	ug/l	97
83) tert-Butylbenzene	13.21	119	562094	53.532	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	618626	53.329	ug/l	95
85) sec-Butylbenzene	13.38	105	746404	52.175	ug/l	99
86) p-Isopropyltoluene	13.49	119	695130	52.924	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	337390	53.316	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	332403	53.453	ug/l	99
89) n-Butylbenzene	13.82	91	629914	50.853	ug/l	99
90) Hexachloroethane	14.09	117	119335	50.700	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	312093	56.082	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21936	49.173	ug/l	86

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QLast Update : Fri Sep 13 17:26:01 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	227117	57.226	ug/l	99
94) Hexachlorobutadiene	15.23	225	139482	49.646	ug/l	99
95) Naphthalene	15.36	128	422984	63.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	201150	57.336	ug/l	98

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

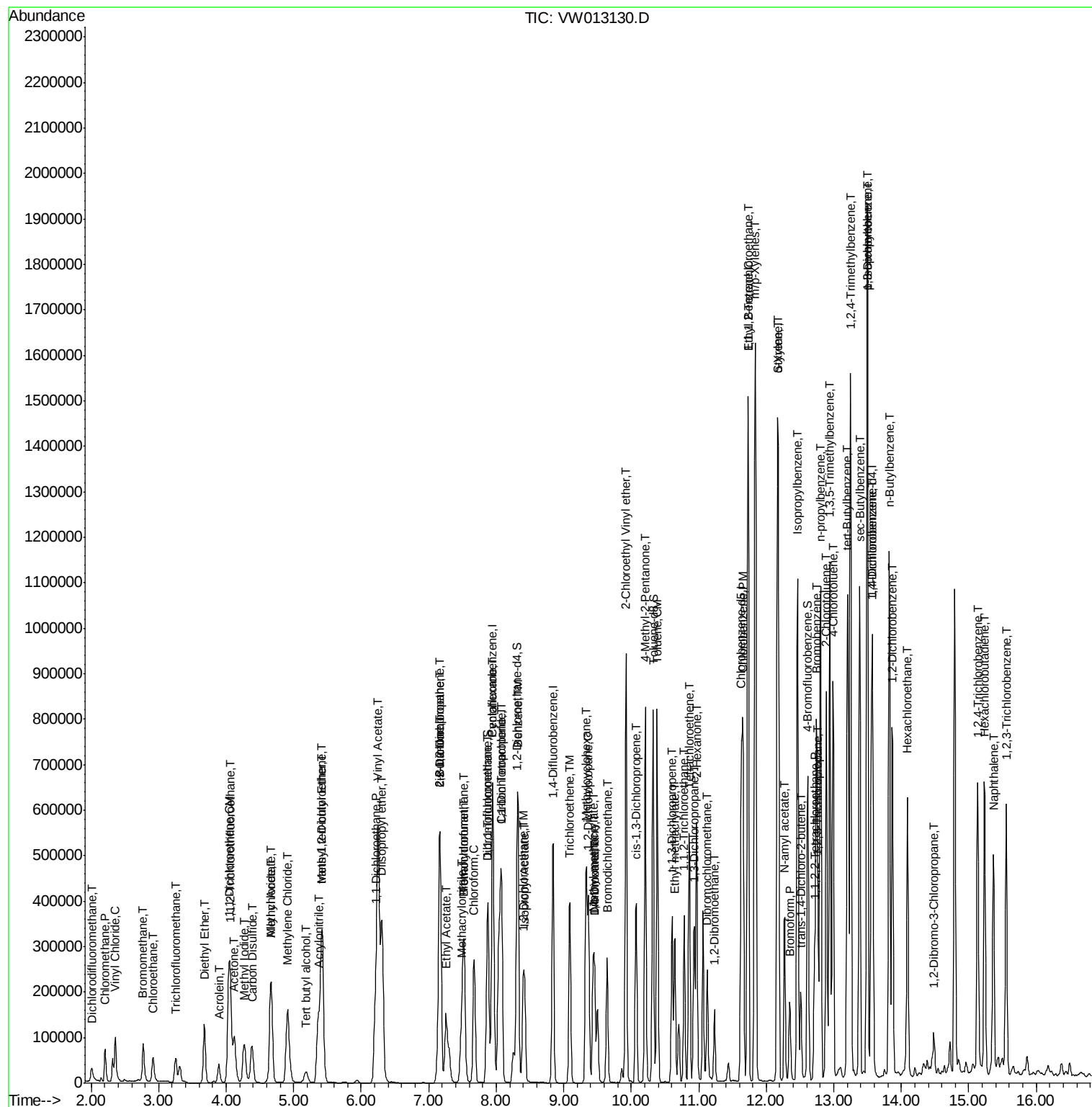
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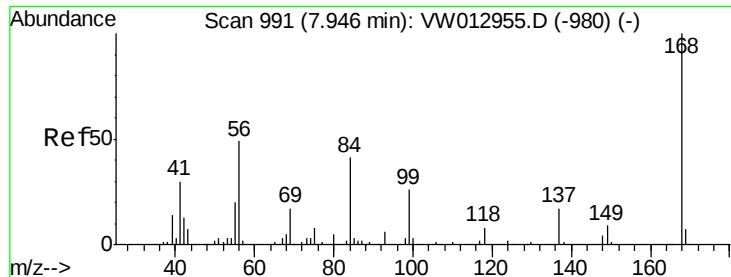
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 305195

Ion Ratio Lower Upper

168 100

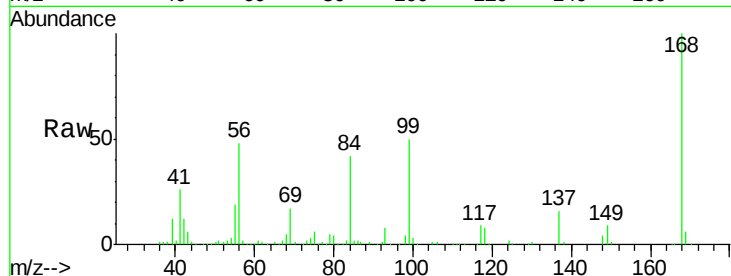
99 50.1 46.2 69.2

Manual Integrations

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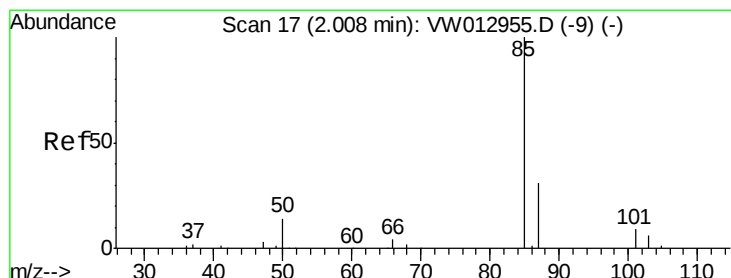
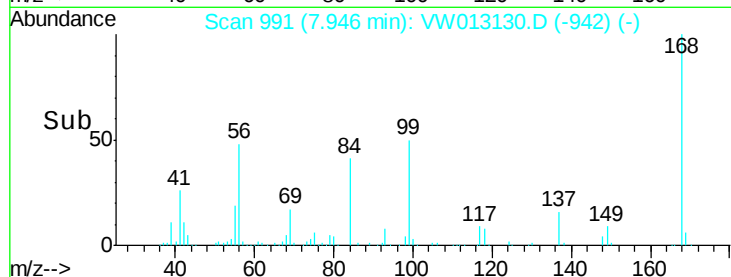
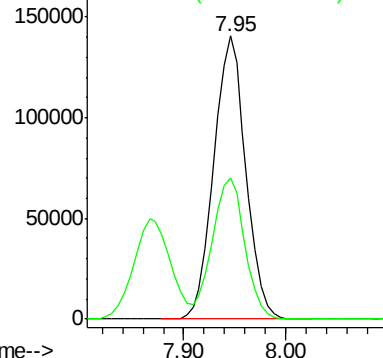
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 42.923 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013130.D

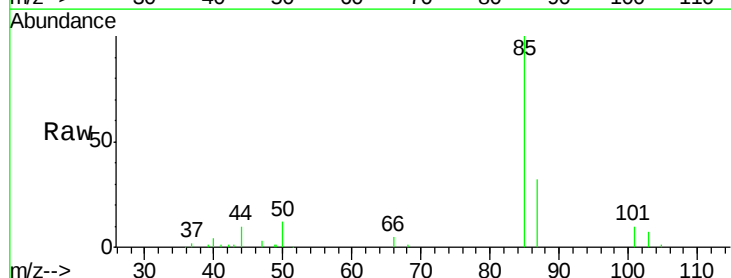
Acq: 18 Sep 2019 22:55

Tgt Ion: 85 Resp: 50881

Ion Ratio Lower Upper

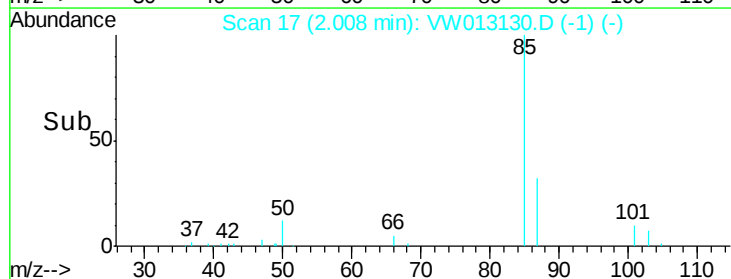
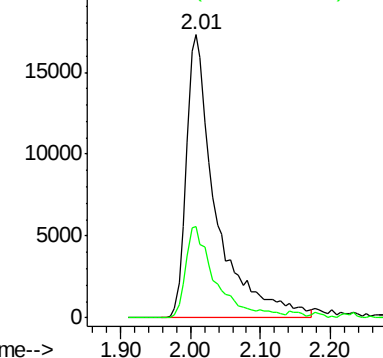
85 100

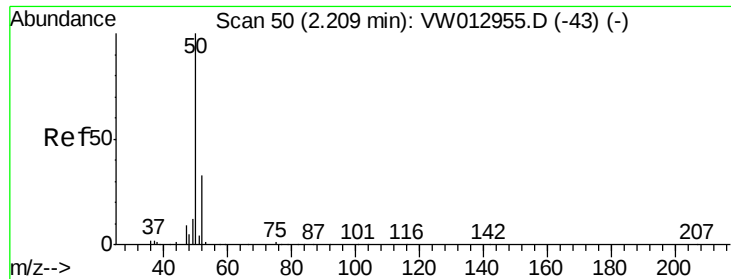
87 32.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.427 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 70019

Ion Ratio Lower Upper

50 100

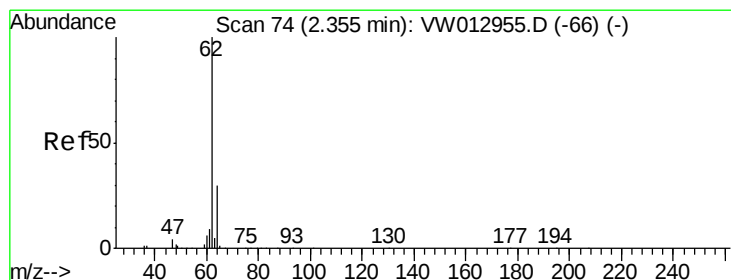
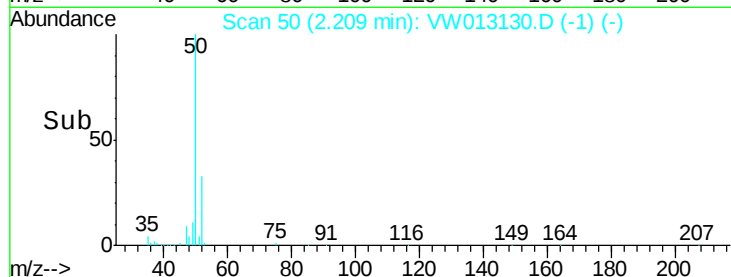
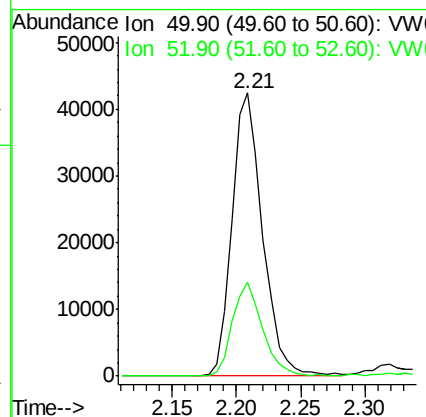
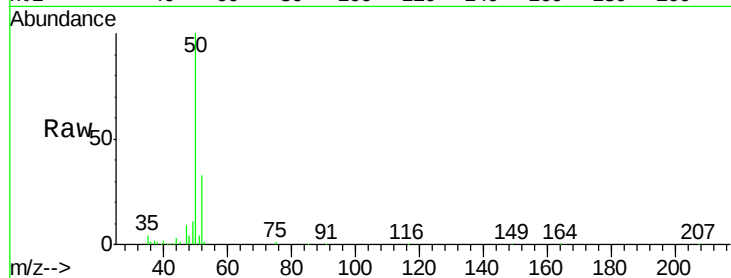
52 33.1 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.037 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013130.D

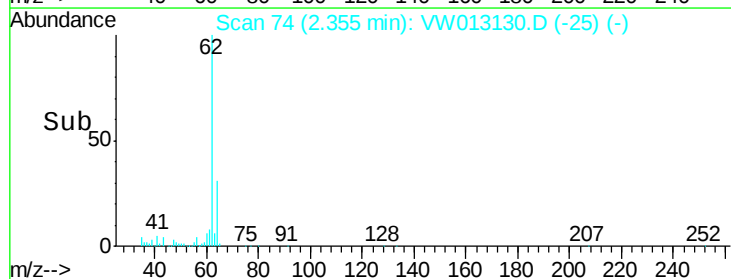
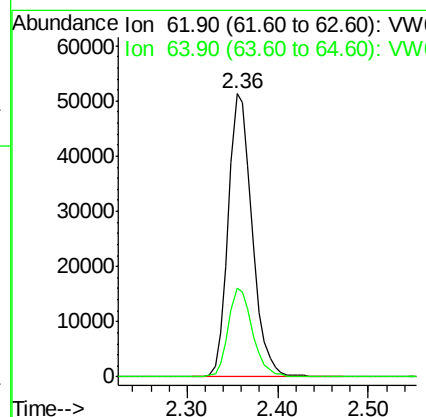
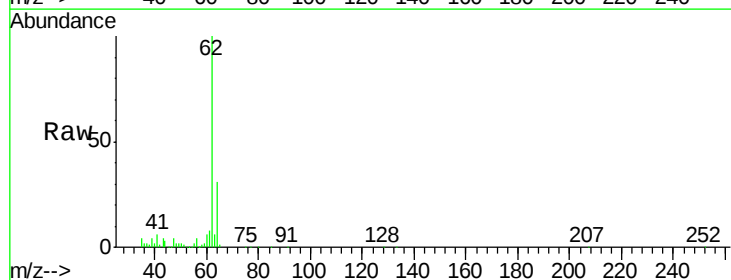
Acq: 18 Sep 2019 22:55

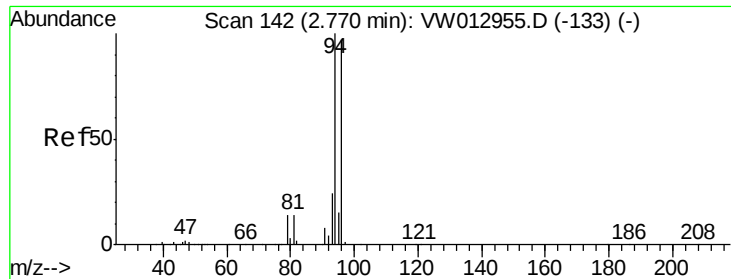
Tgt Ion: 62 Resp: 94014

Ion Ratio Lower Upper

62 100

64 31.2 24.2 36.4





#5

Bromomethane

Concen: 48.634 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 64879

Ion Ratio Lower Upper

94 100

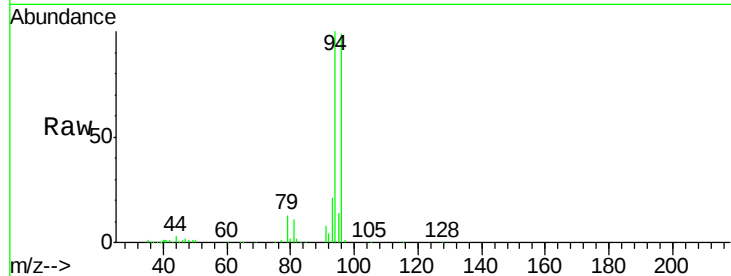
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Manual Integrations

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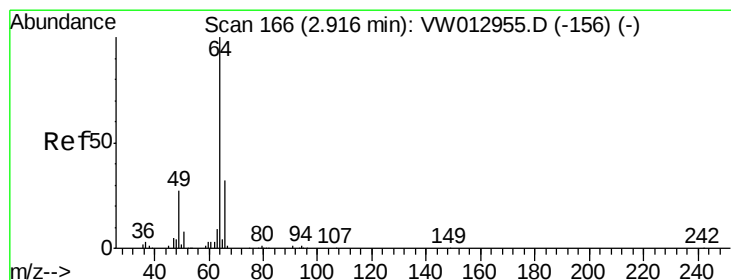
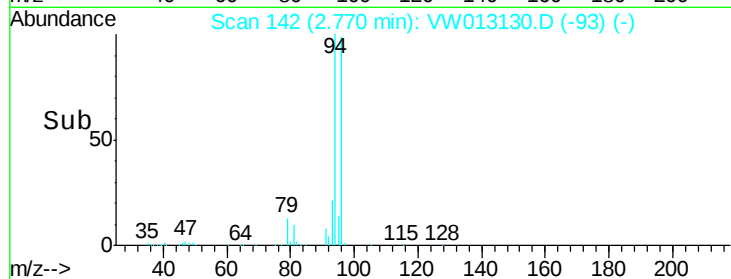
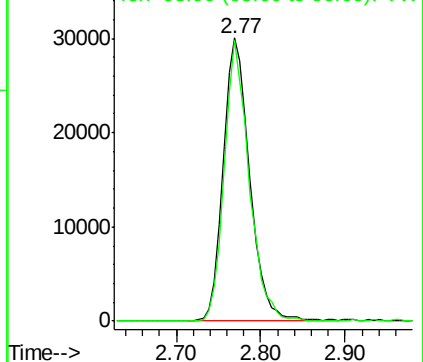
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 47.970 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013130.D

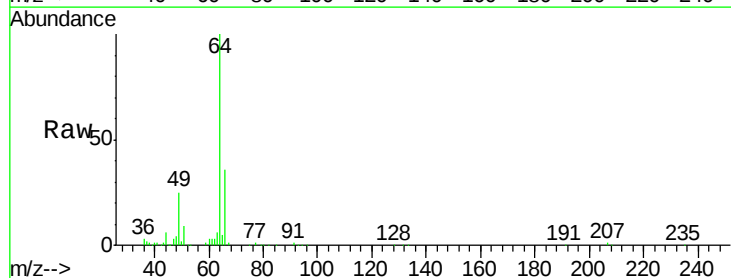
Acq: 18 Sep 2019 22:55

Tgt Ion: 64 Resp: 64269

Ion Ratio Lower Upper

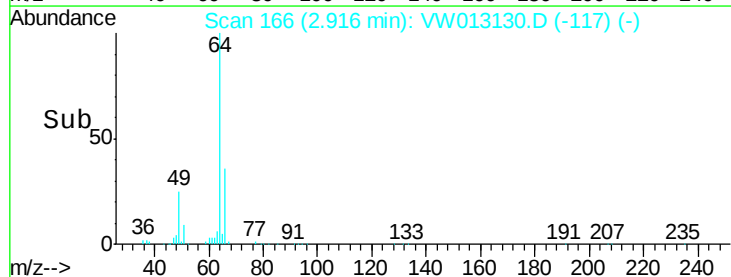
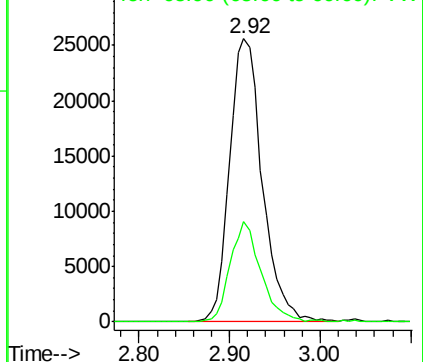
64 100

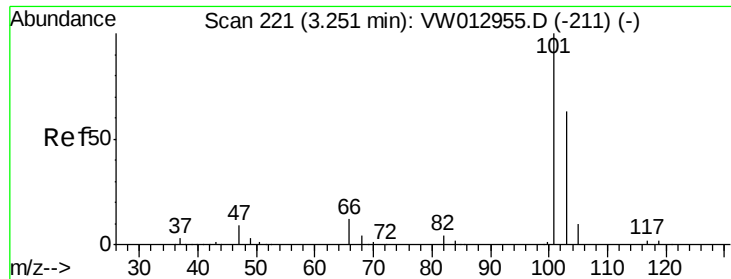
66 35.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

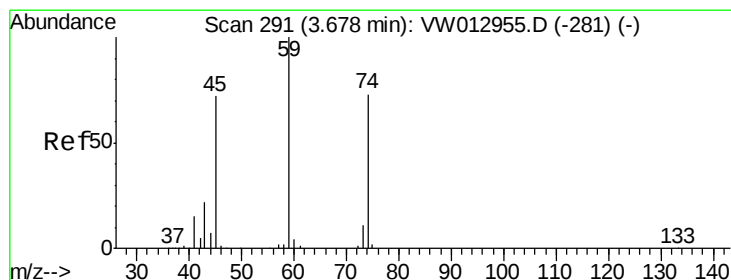
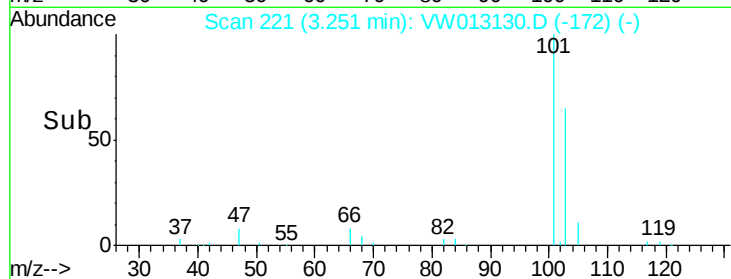
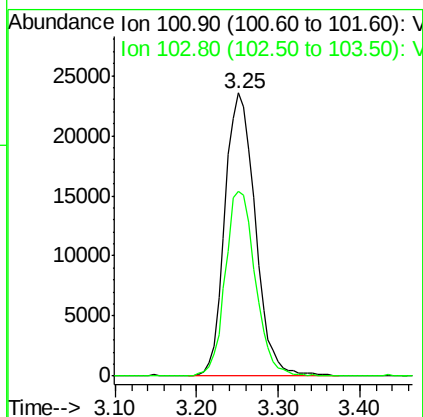
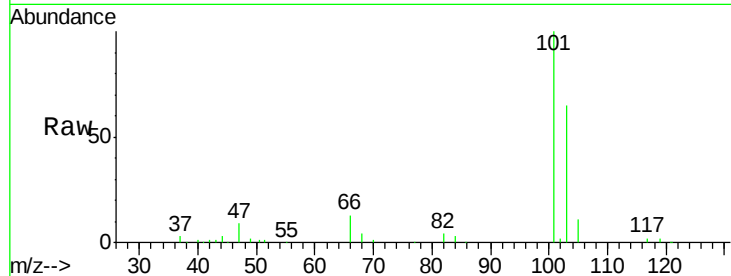
Trichlorofluoromethane
 Concen: 39.679 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		60614		
103	65.1	50.7	76.1		

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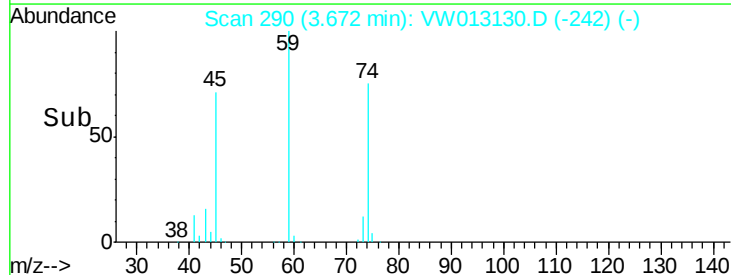
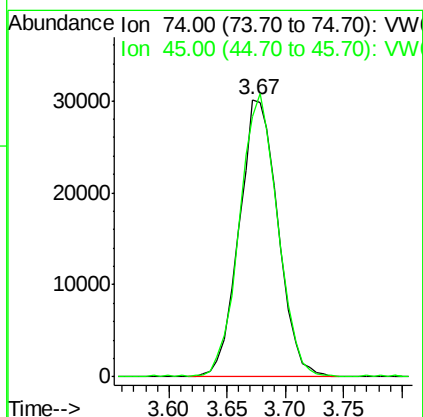
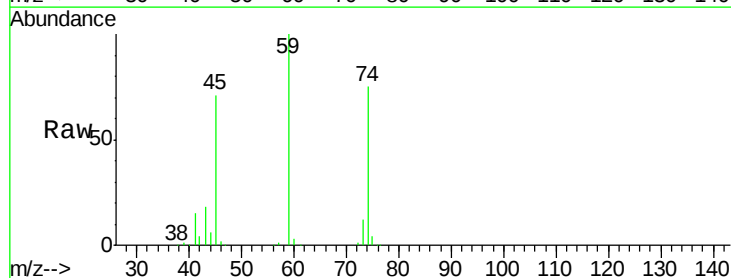
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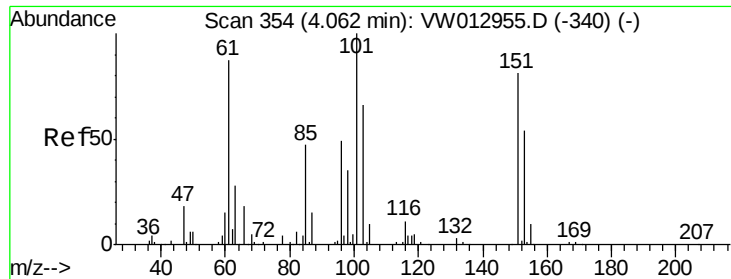


#8

Diethyl Ether
 Concen: 58.515 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		69797		
45	99.5	53.8	161.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.657 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

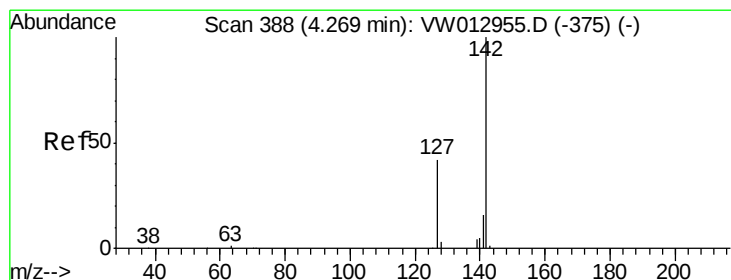
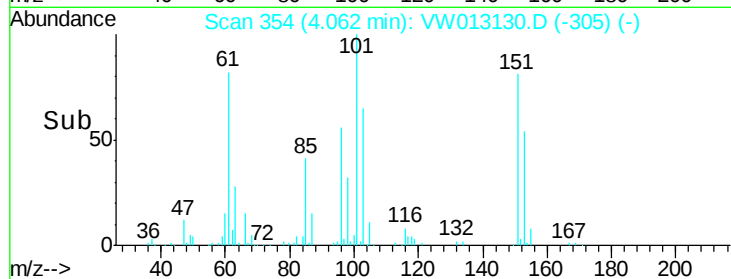
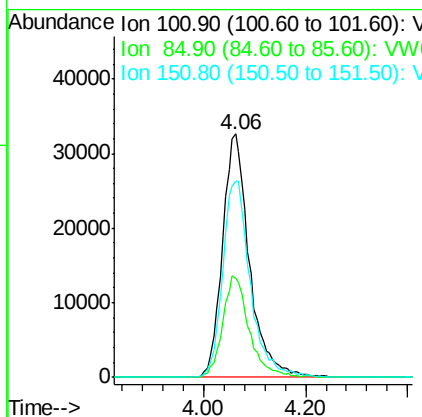
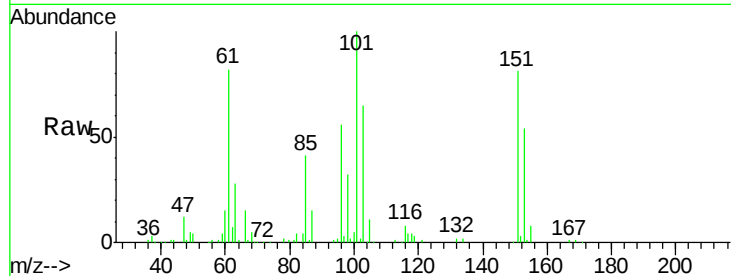
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	119684
Ion Ratio	Lower	Upper	
101	100		
85	40.8	34.9	52.3
151	82.8	66.0	99.0

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#10

Methyl Iodide

Concen: 58.643 ug/l

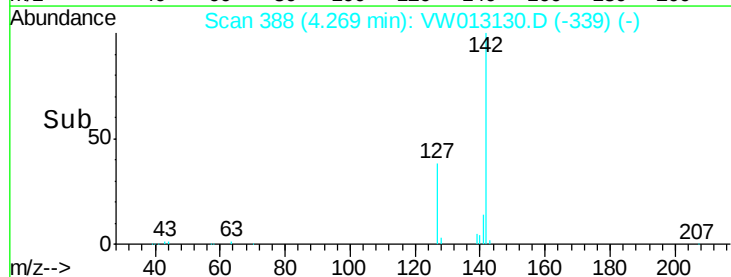
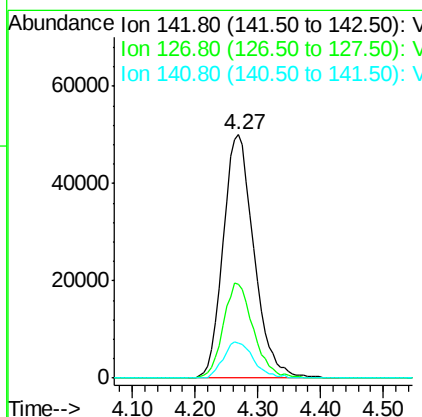
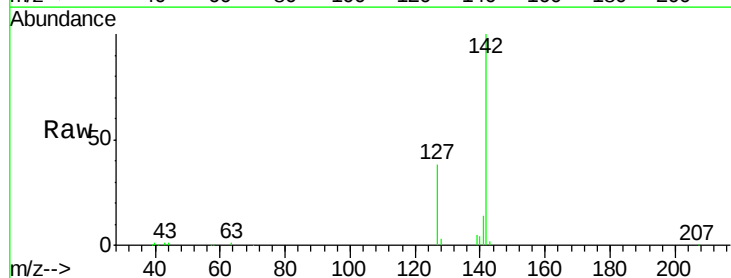
RT: 4.27 min Scan# 388

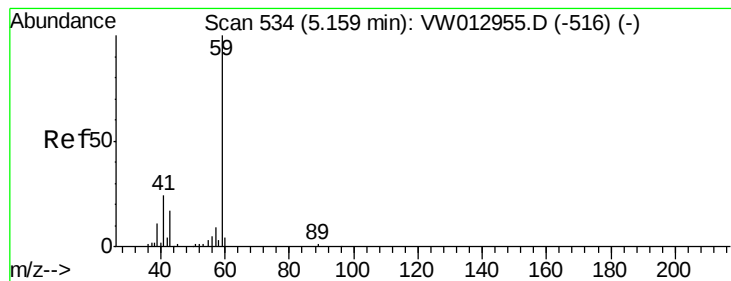
Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion:	142	Resp:	170039
Ion Ratio	Lower	Upper	
142	100		
127	38.3	34.7	52.1
141	14.7	12.2	18.2





#11

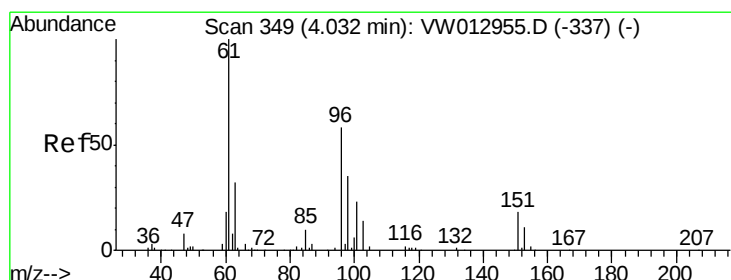
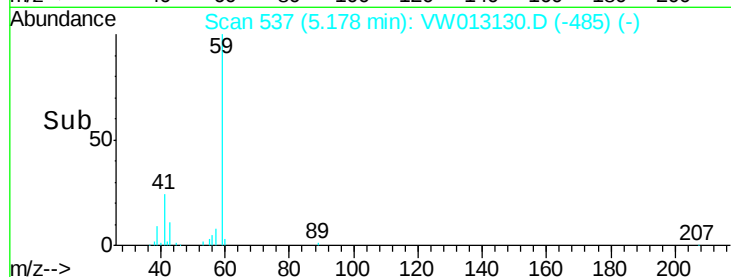
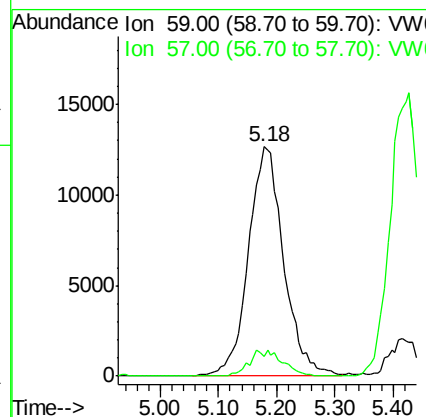
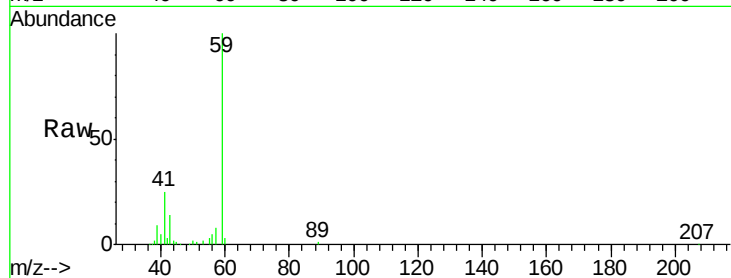
Tert butyl alcohol
Concen: 283.400 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.02 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.8	8.5	12.7#

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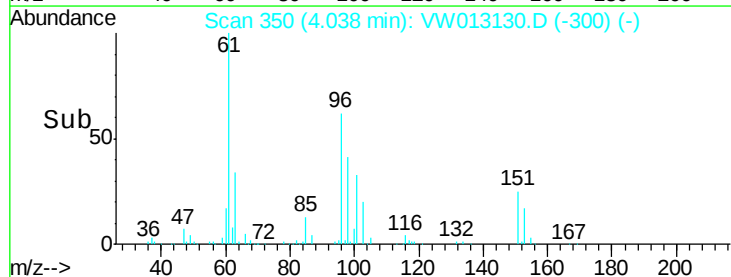
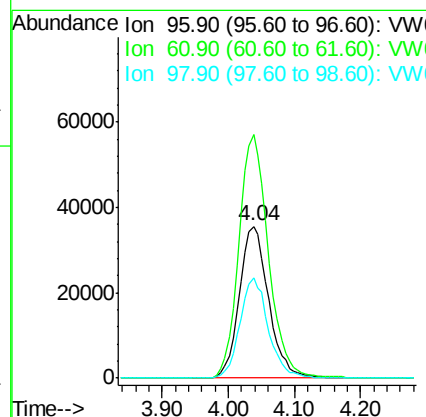
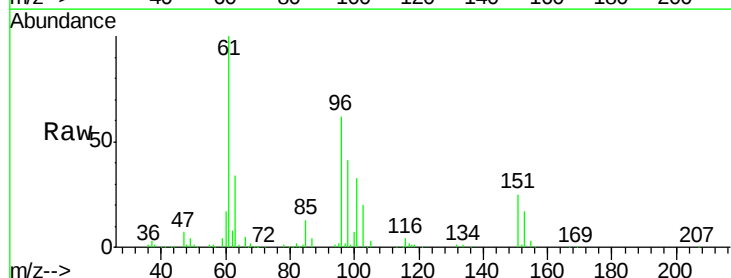
MMDadoda
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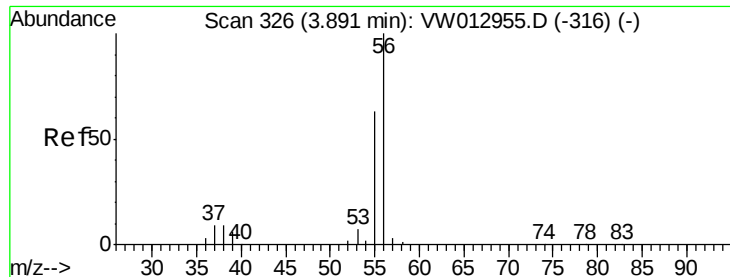


#12

1,1-Dichloroethene
Concen: 51.953 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	137.9	206.9
98	66.2	48.9	73.3





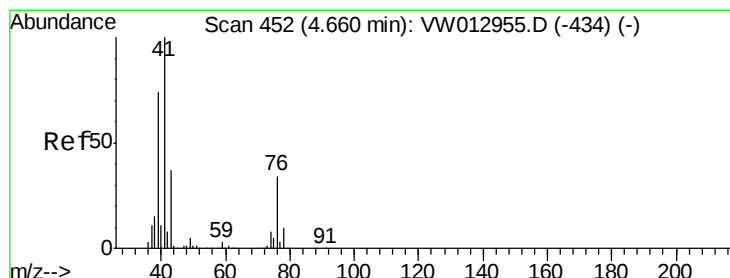
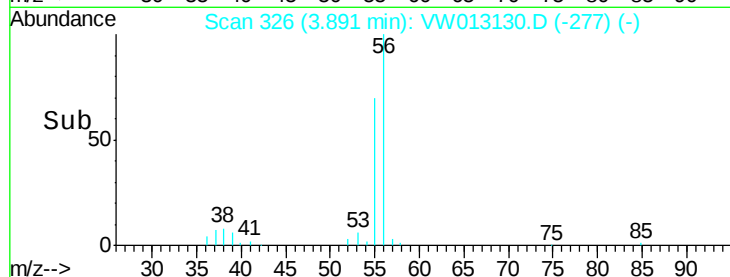
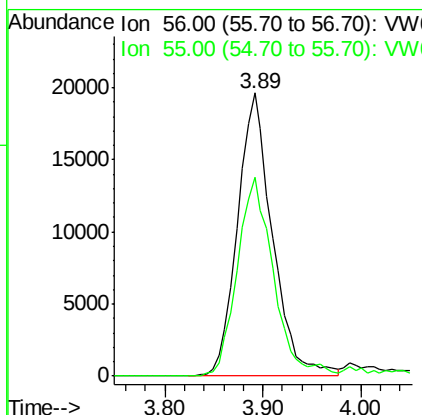
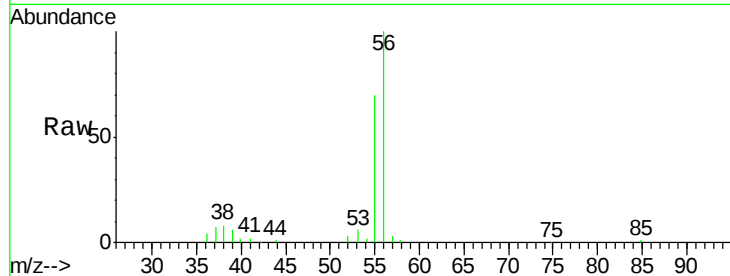
#13
Acrolein
Concen: 233.877 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	72.6			55.8	83.8

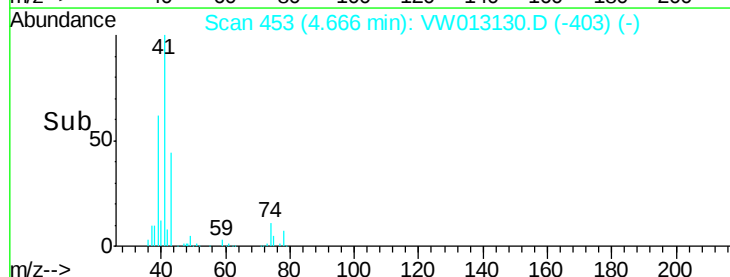
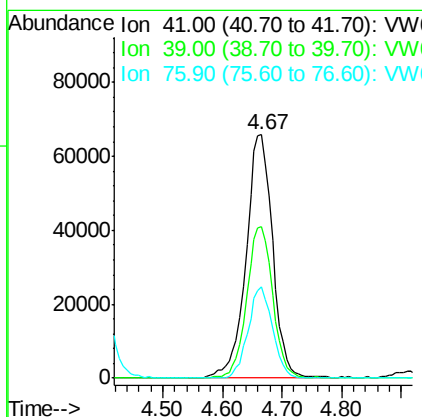
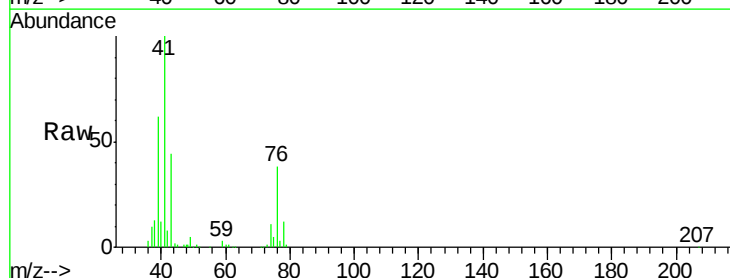
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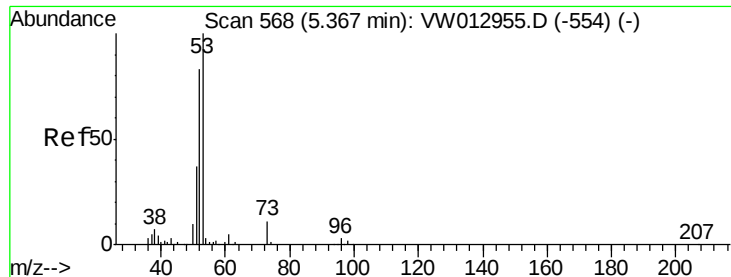
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#14
Allyl chloride
Concen: 51.147 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	60.8				56.7	85.1
76	34.4				25.1	37.7





#15

Acrylonitrile

Concen: 302.311 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

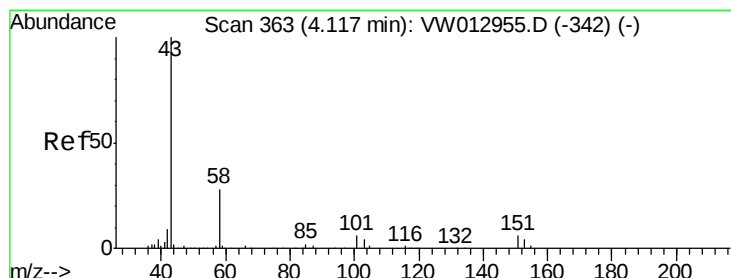
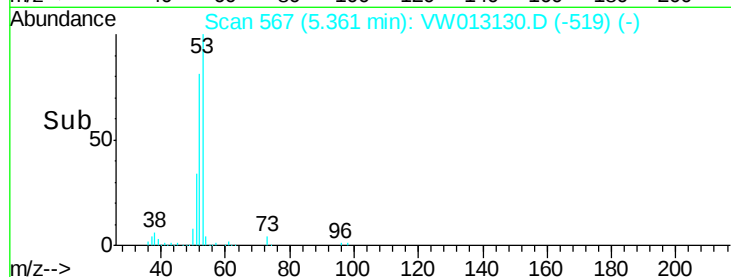
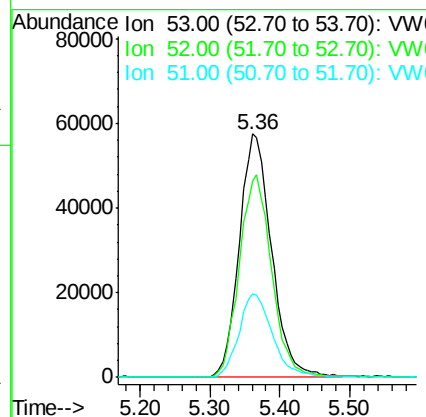
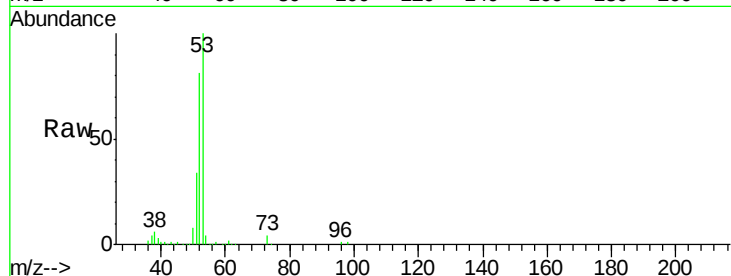
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	184173
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.6	100.0
51	35.8	29.8	44.8

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#16

Acetone

Concen: 241.350 ug/l

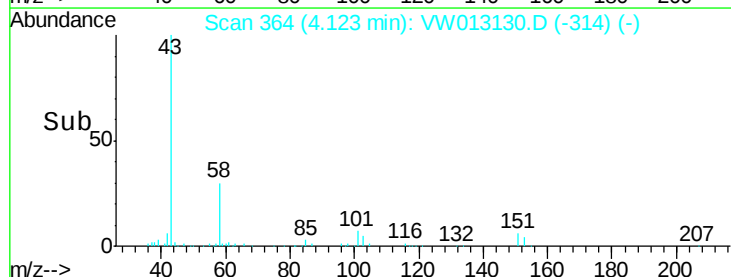
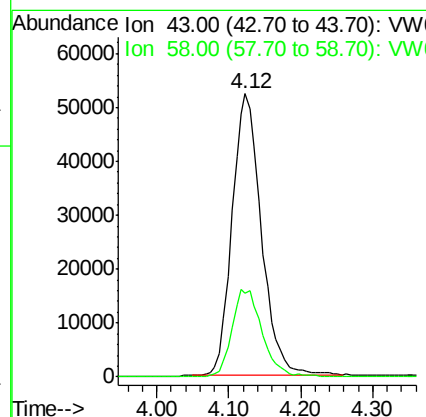
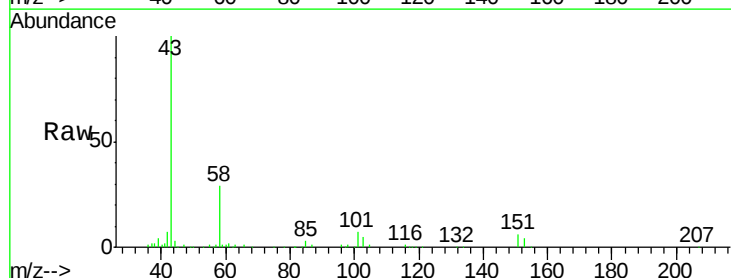
RT: 4.12 min Scan# 364

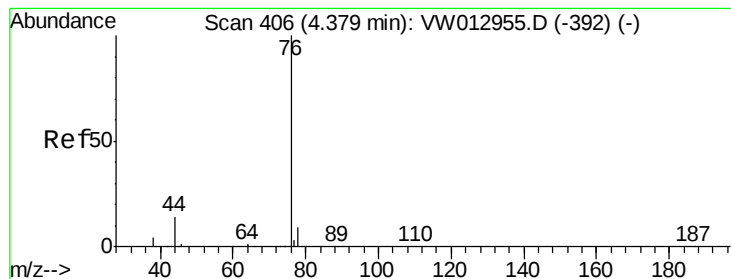
Delta R.T. 0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion:	43	Resp:	148029
Ion Ratio	Lower	Upper	
43	100		
58	29.6	22.3	33.5





#17

Carbon Disulfide

Concen: 44.862 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tot Ion: 76 Resp: 188337

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

Instrument :

MSVOA_W

ClientSampleId :

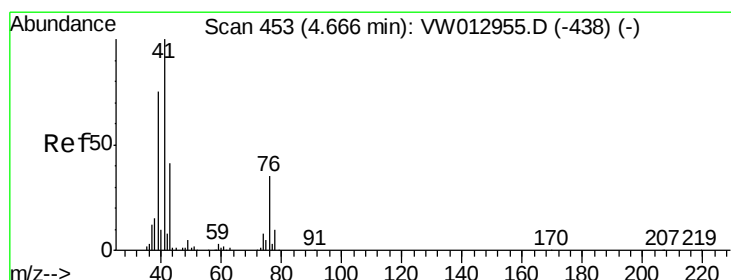
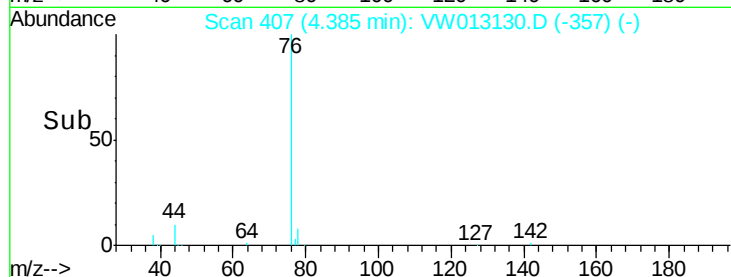
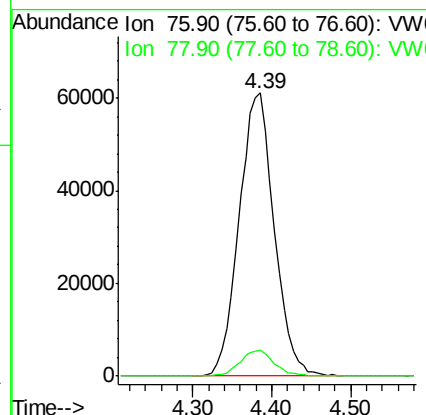
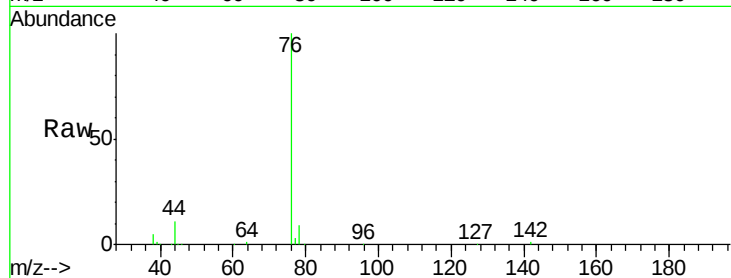
VSTDCCC050

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#18

Methyl Acetate

Concen: 56.062 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013130.D

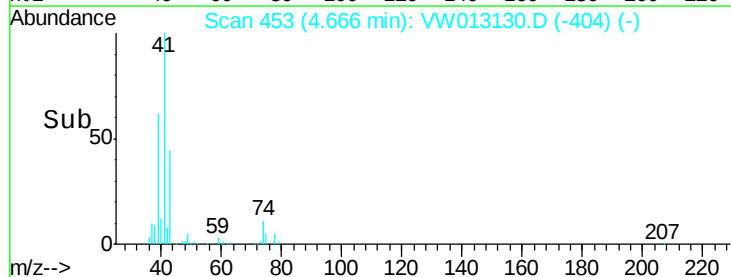
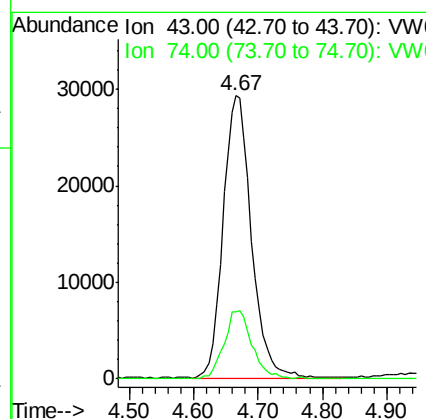
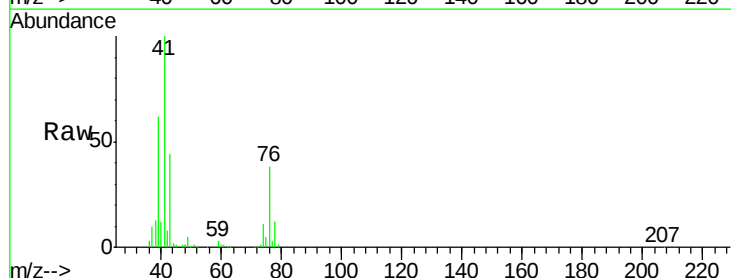
Acq: 18 Sep 2019 22:55

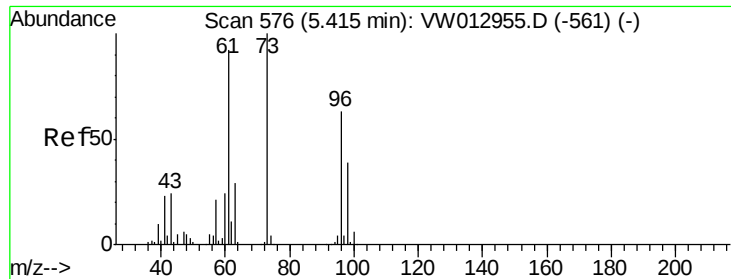
Tgt Ion: 43 Resp: 90028

Ion Ratio Lower Upper

43 100

74 23.9 17.8 26.8





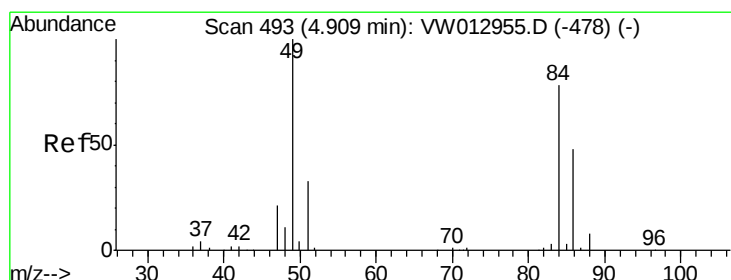
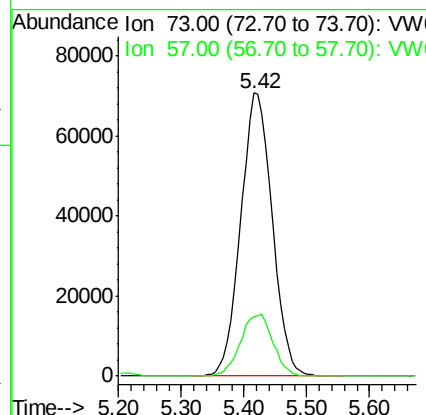
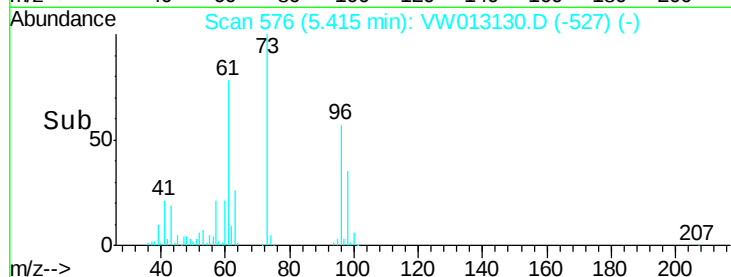
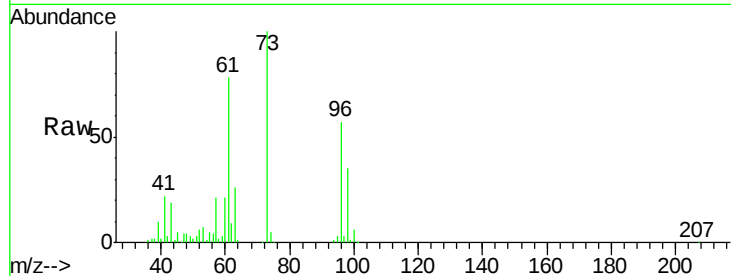
#19
Methyl tert-butyl Ether
Concen: 59.188 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 246128
Ion Ratio Lower Upper
73 100
57 20.9 16.4 24.6

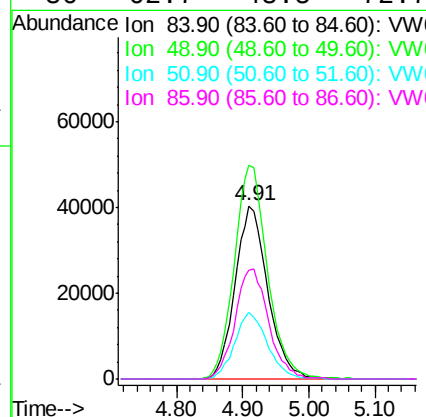
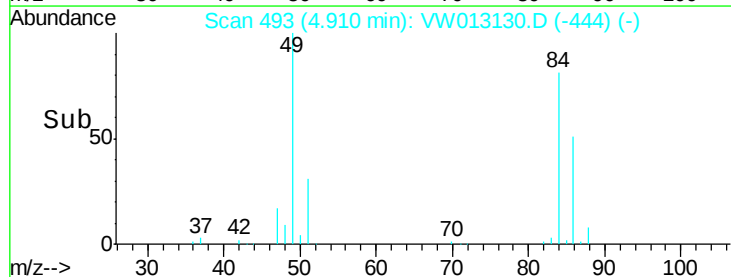
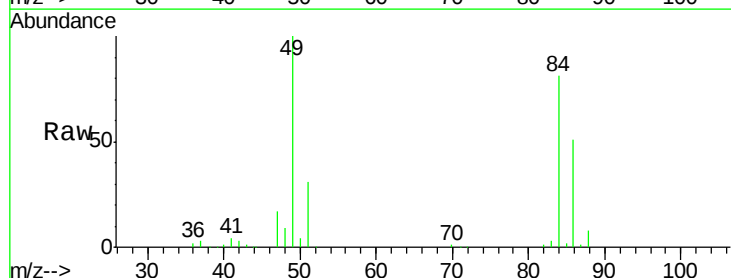
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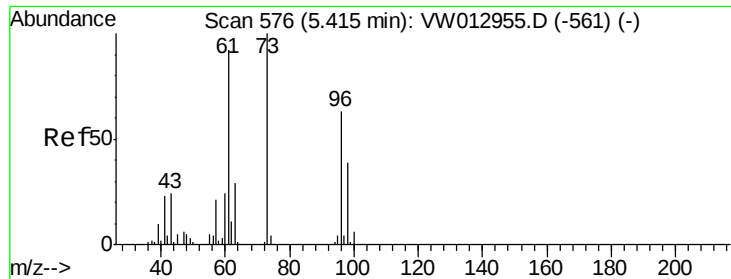
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#20
Methylene Chloride
Concen: 62.200 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 84 Resp: 138759
Ion Ratio Lower Upper
84 100
49 123.2 102.0 153.0
51 38.3 34.0 51.0
86 62.7 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 54.114 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

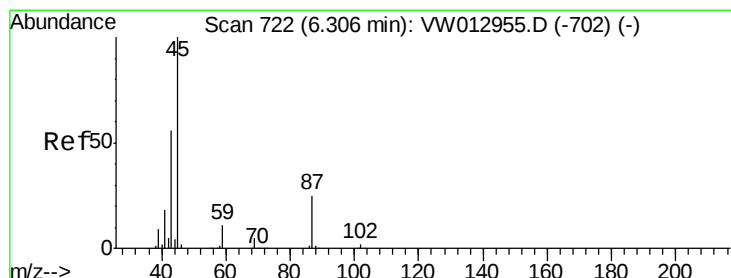
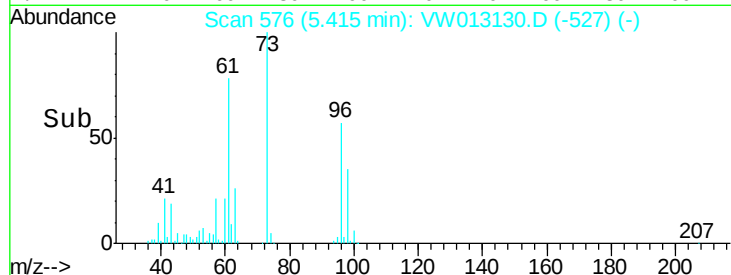
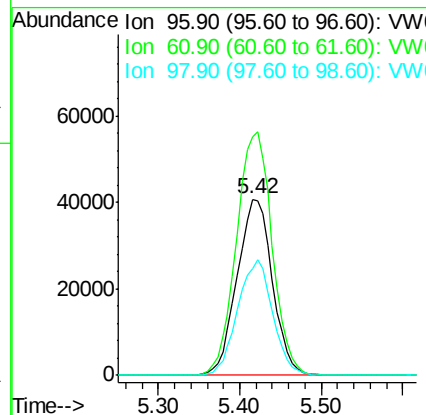
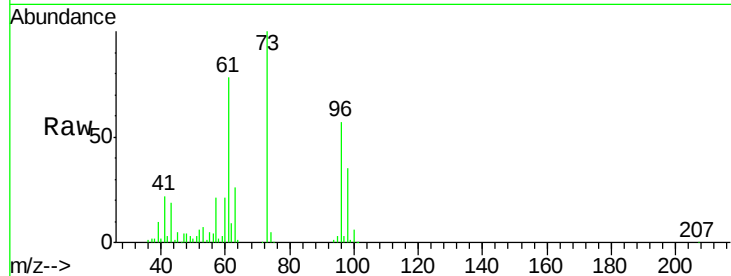
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	122095
Ion	Ratio	Lower	Upper
96	100		
61	135.8	116.2	174.2
98	60.6	49.8	74.6

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#22

Diisopropyl ether

Concen: 57.681 ug/l

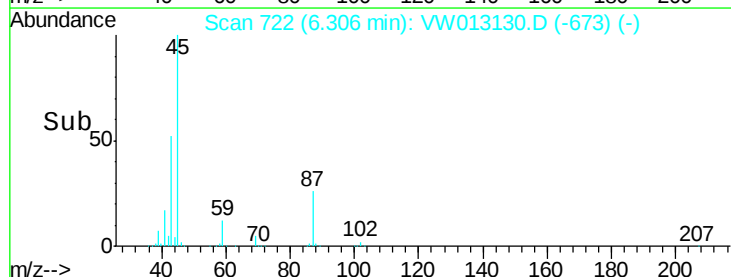
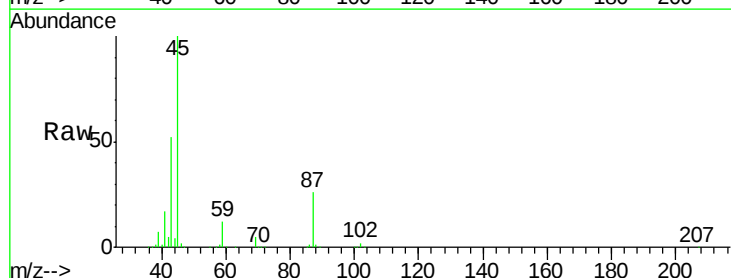
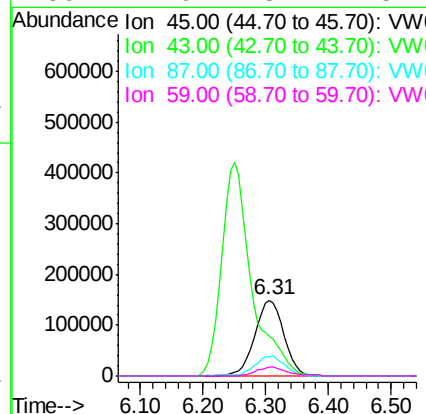
RT: 6.31 min Scan# 722

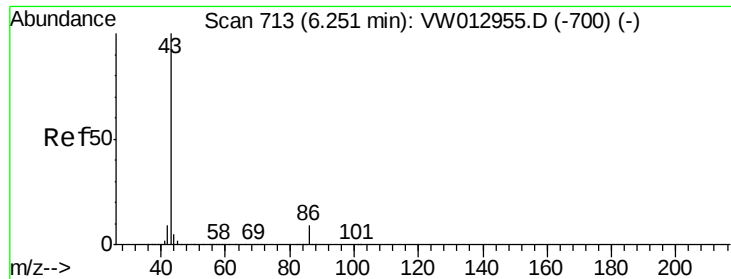
Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion:	45	Resp:	479229
Ion	Ratio	Lower	Upper
45	100		
43	52.1	44.6	67.0
87	25.7	20.0	30.0
59	11.9	8.7	13.1





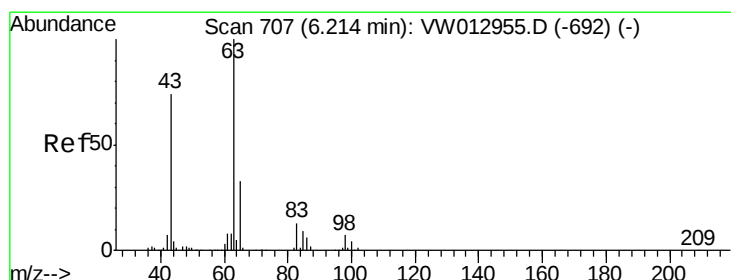
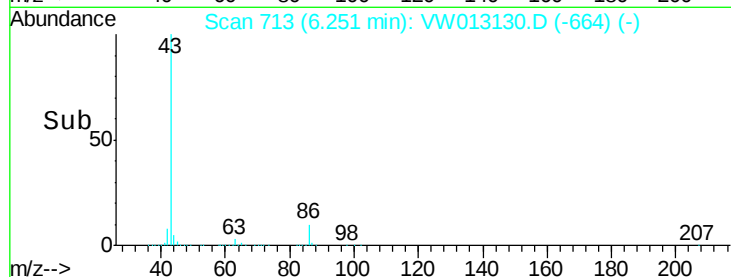
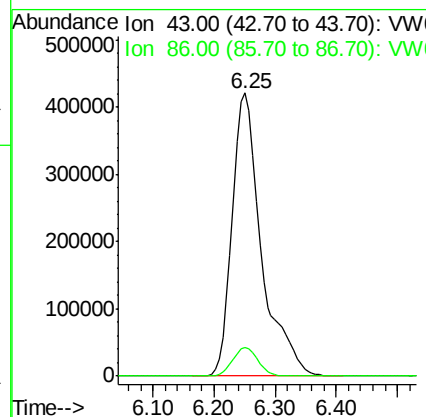
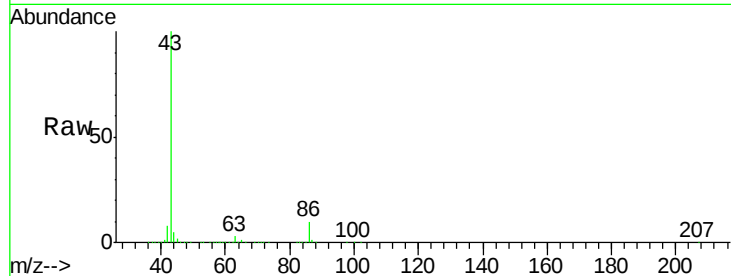
#23
 Vinyl Acetate
 Concen: 279.125 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1388967
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.0 10.6

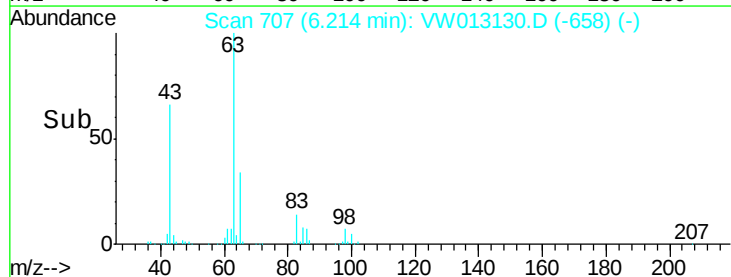
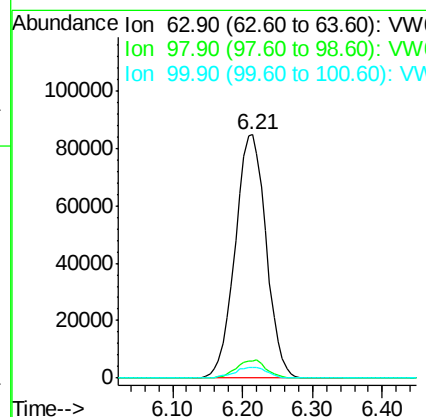
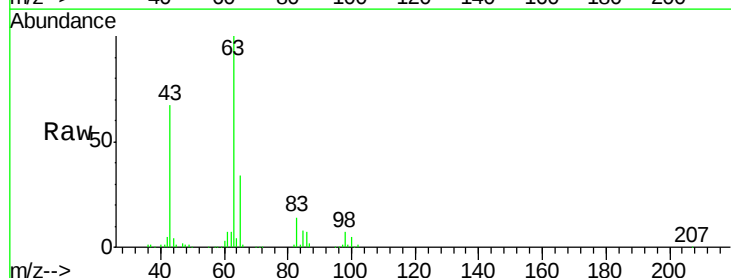
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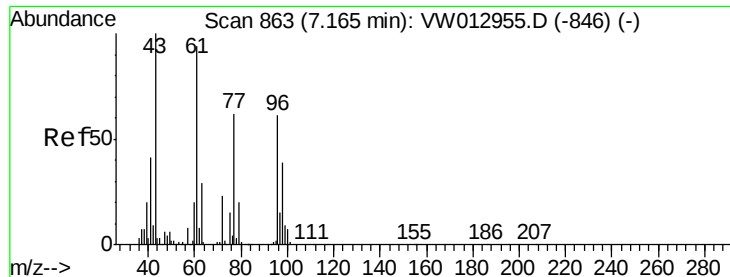
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#24
 1,1-Dichloroethane
 Concen: 54.307 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 63 Resp: 260146
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.9
 100 4.5 1.8 5.5





#25

2-Butanone

Concen: 264.129 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tot Ion: 43 Resp: 236733

Ion Ratio Lower Upper

43 100

72 24.9 18.2 27.4

Instrument :

MSVOA_W

ClientSampleId :

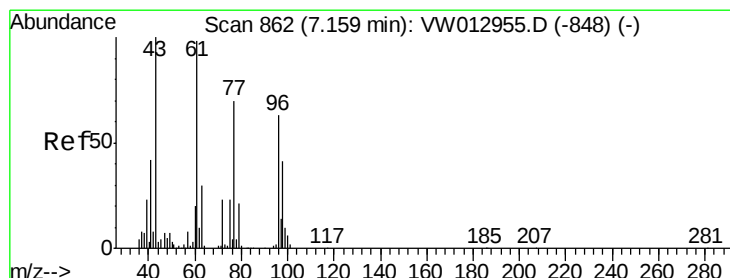
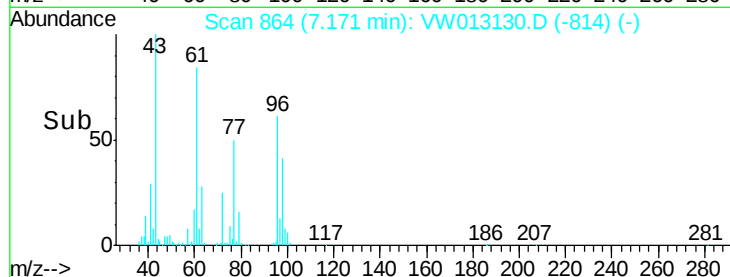
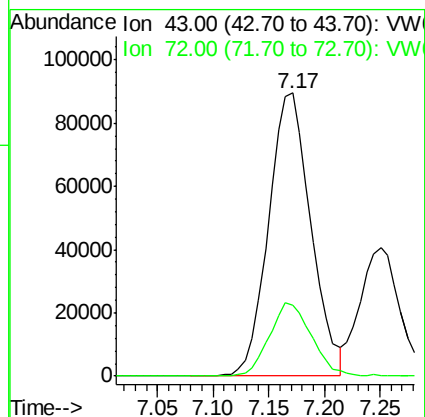
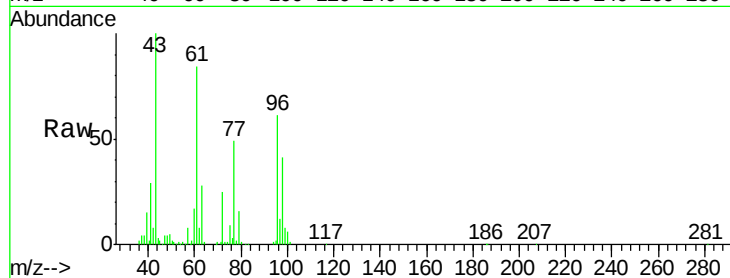
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 48.521 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013130.D

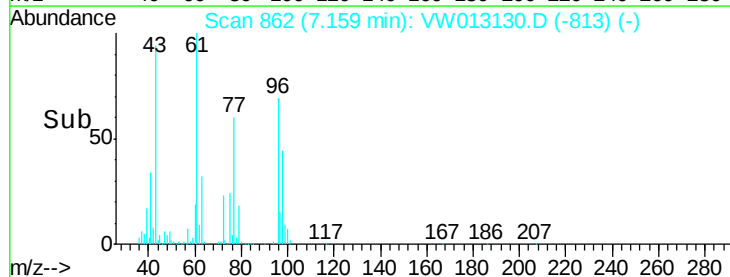
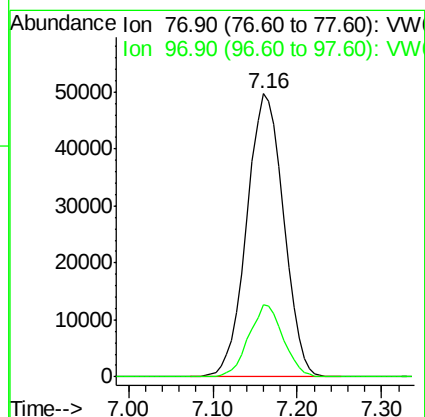
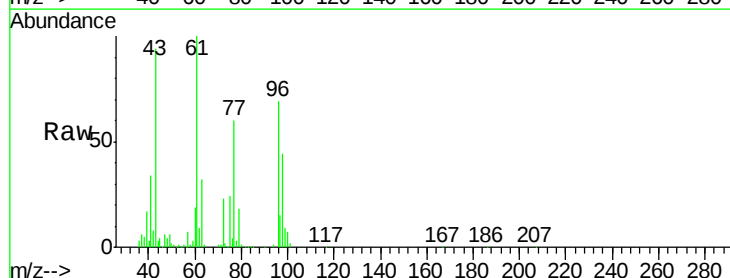
Acq: 18 Sep 2019 22:55

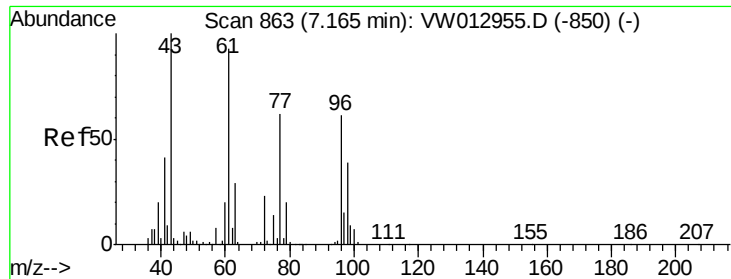
Tgt Ion: 77 Resp: 147897

Ion Ratio Lower Upper

77 100

97 23.8 10.7 32.1





#27

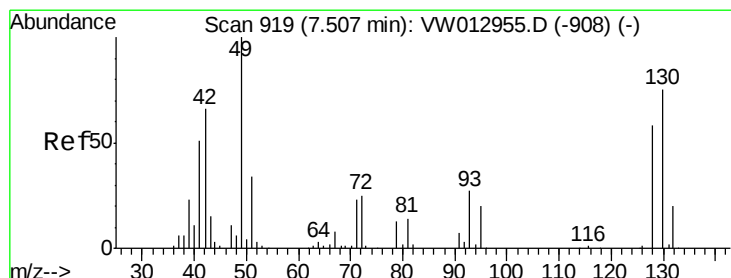
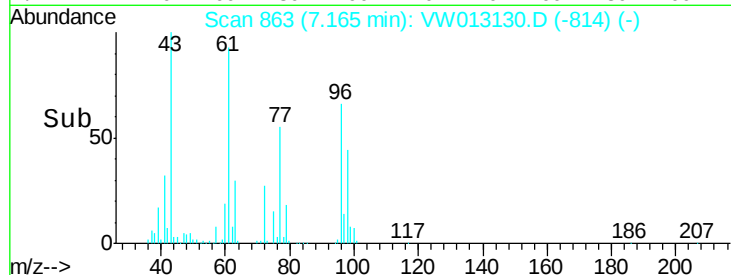
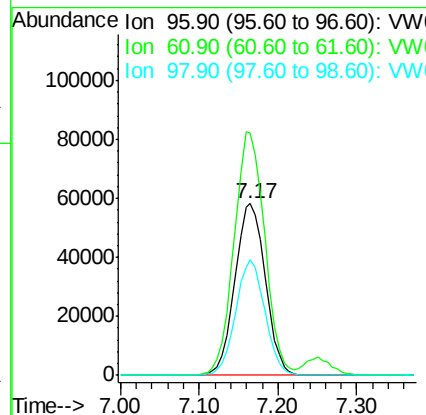
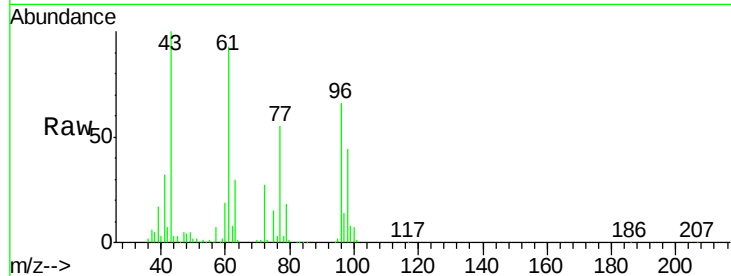
cis-1,2-Dichloroethene
Concen: 57.980 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	315.4
98	64.8	0.0	131.0

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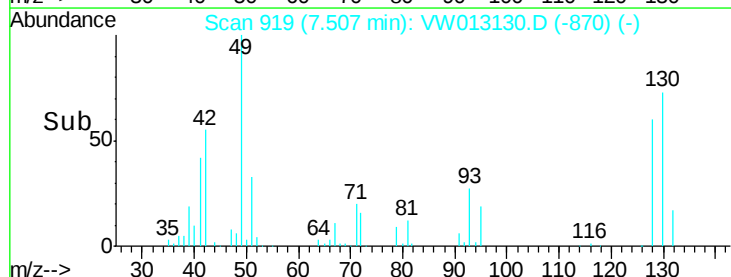
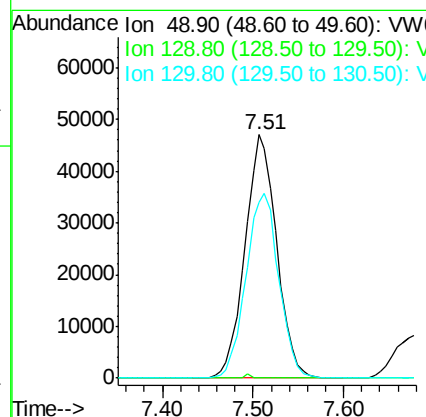
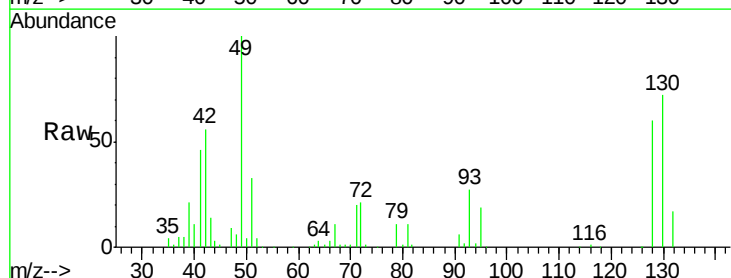
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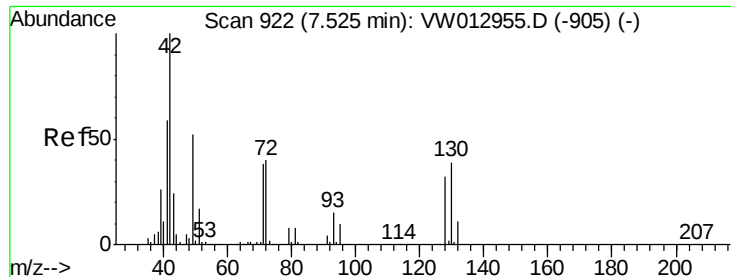


#28

Bromochloromethane
Concen: 56.345 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.4
130	78.6	57.8	86.6





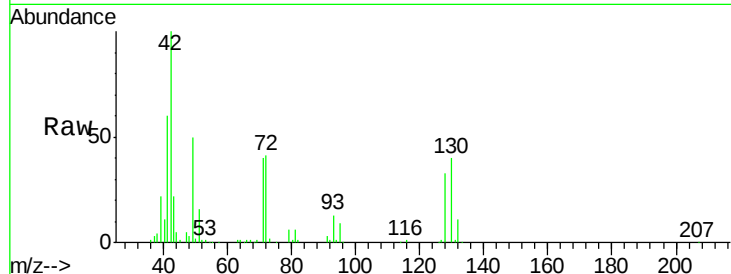
#29
Tetrahydrofuran
Concen: 293.993 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

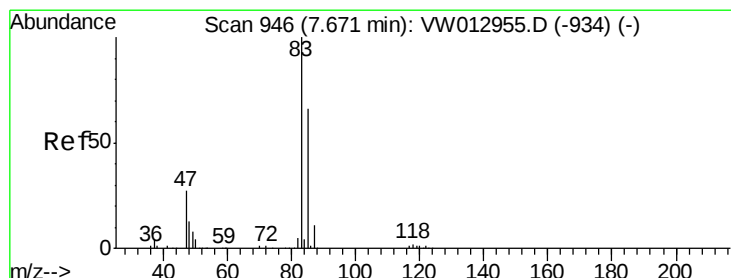
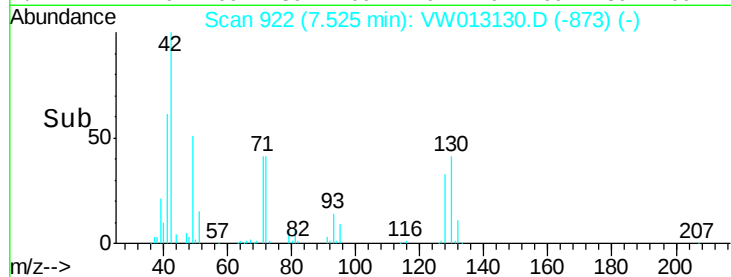
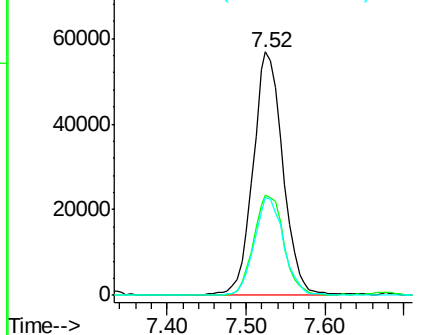
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.4	47.0
71	39.6	29.8	44.8

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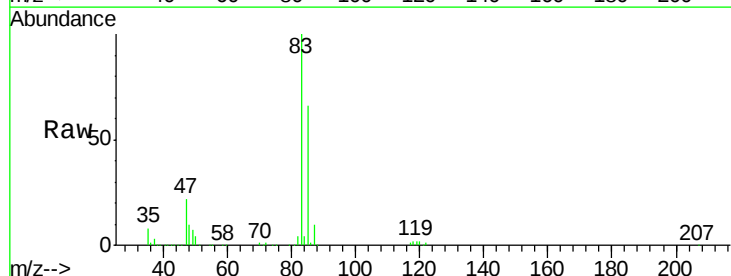


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

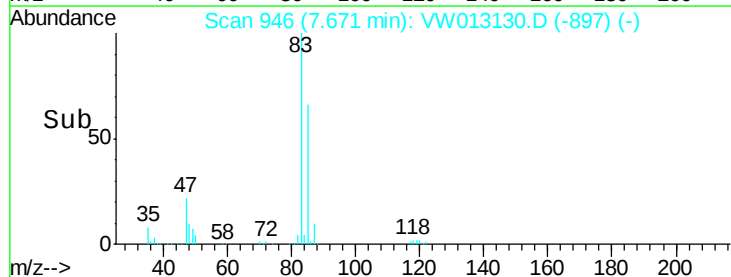
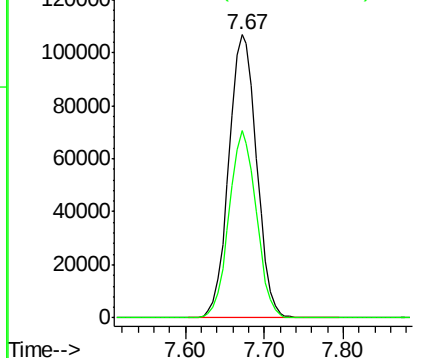


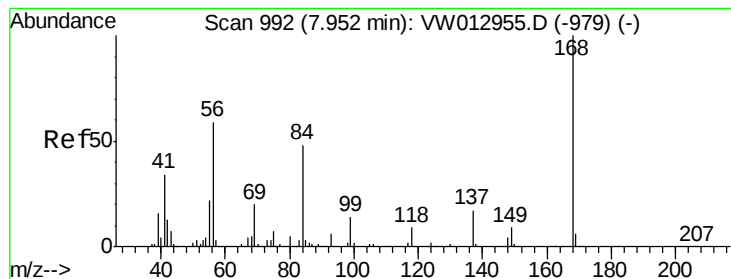
#30
Chloroform
Concen: 53.730 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.8	79.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 51.792 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

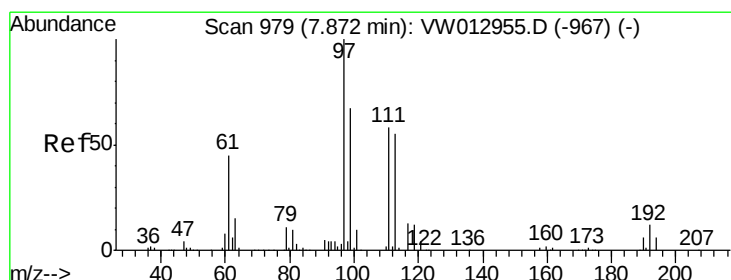
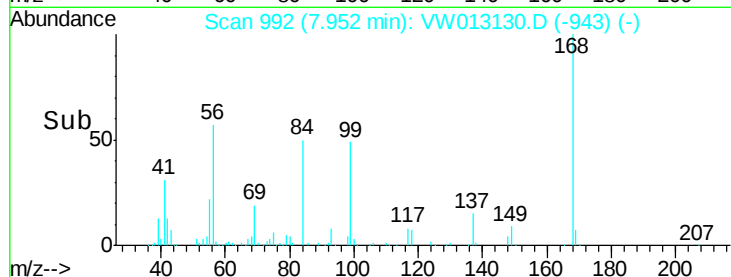
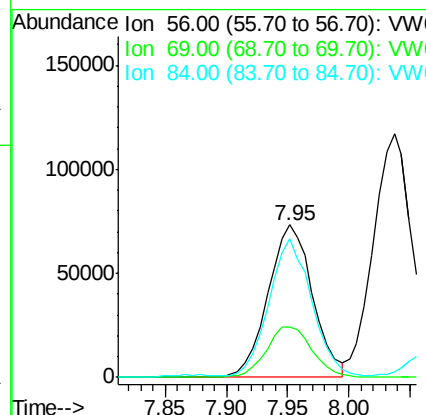
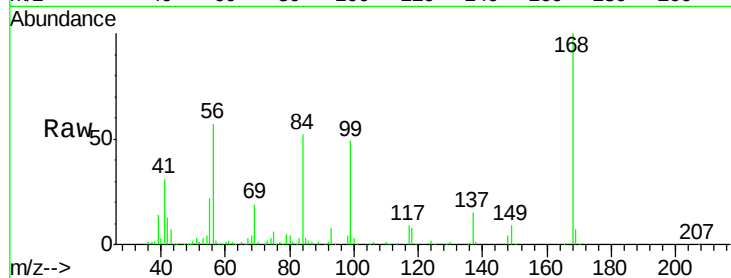
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	185691
Ion Ratio	Lower	Upper	
56	100		
69	33.0	27.0	40.6
84	90.1	66.2	99.2

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#32

1,1,1-Trichloroethane

Concen: 49.052 ug/l

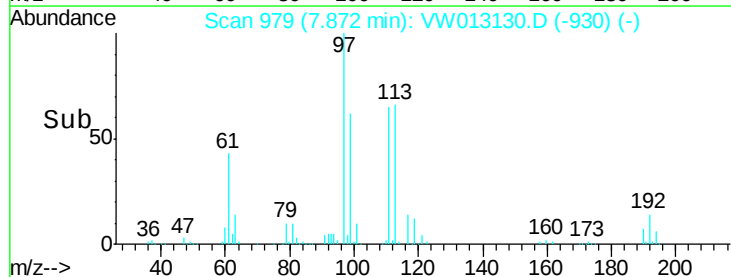
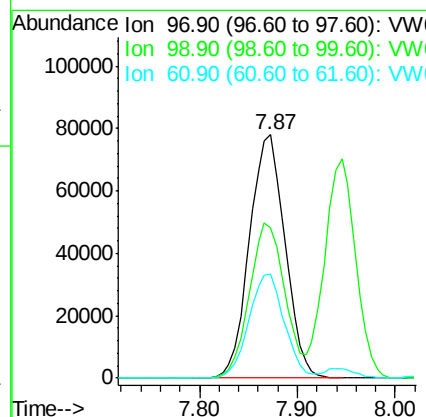
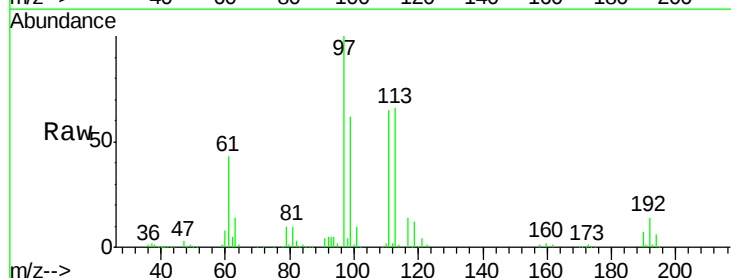
RT: 7.87 min Scan# 979

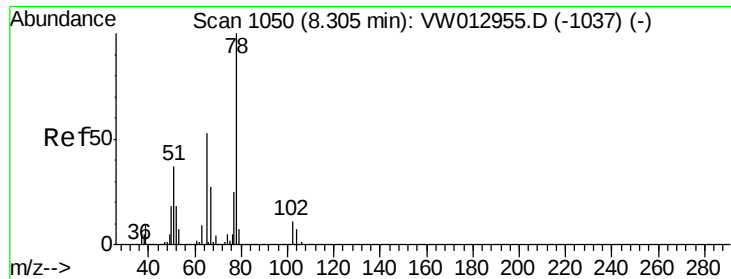
Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion:	97	Resp:	196615
Ion Ratio	Lower	Upper	
97	100		
99	64.5	53.0	79.4
61	42.5	36.5	54.7





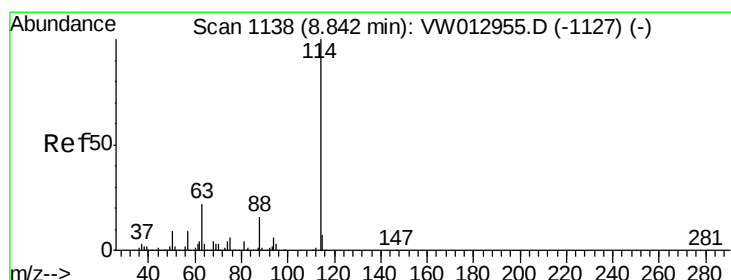
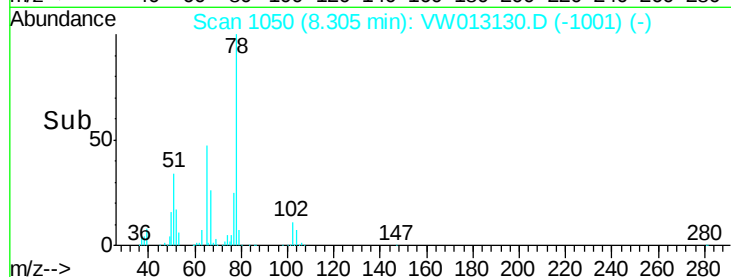
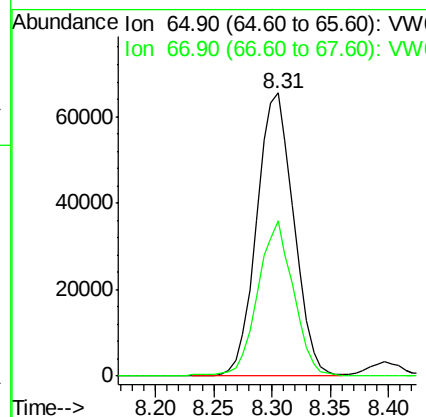
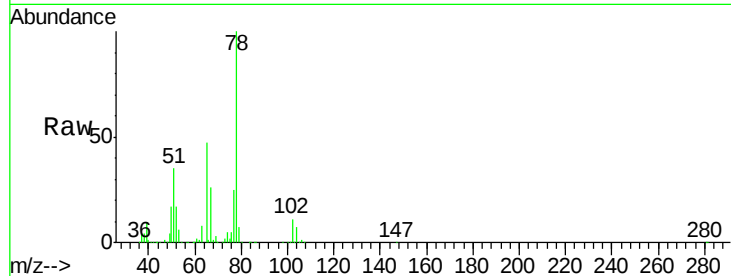
#33
 1,2-Dichloroethane-d4
 Concen: 51.088 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144002		
67	53.1	0.0	101.2	

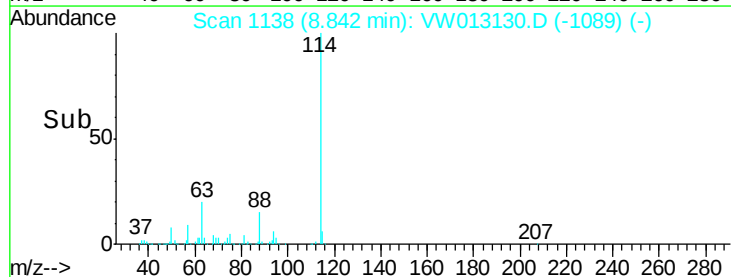
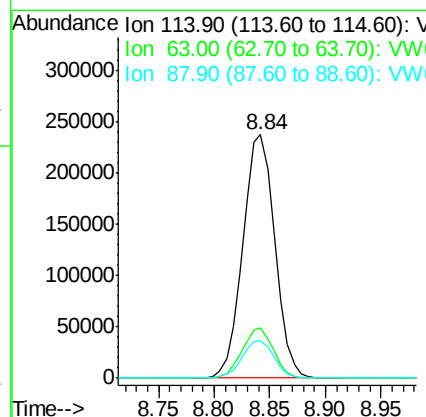
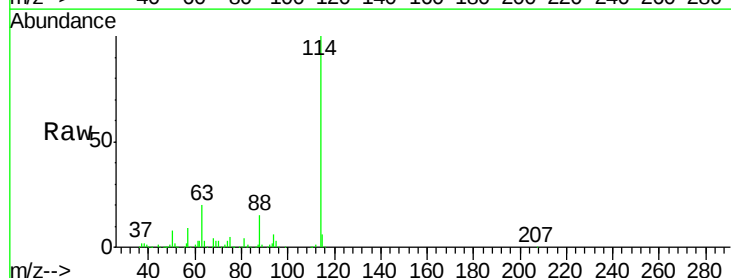
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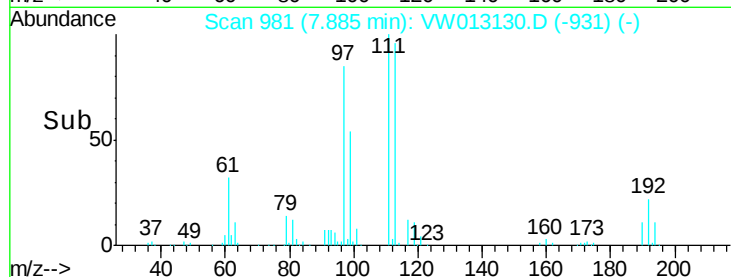
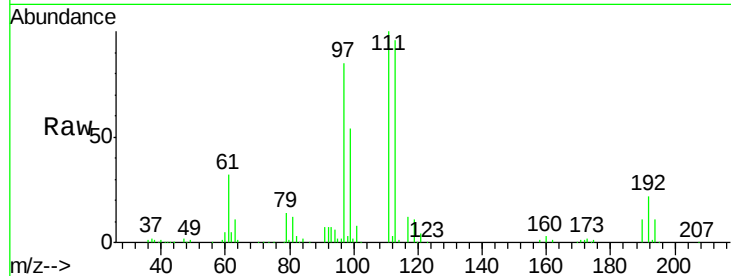
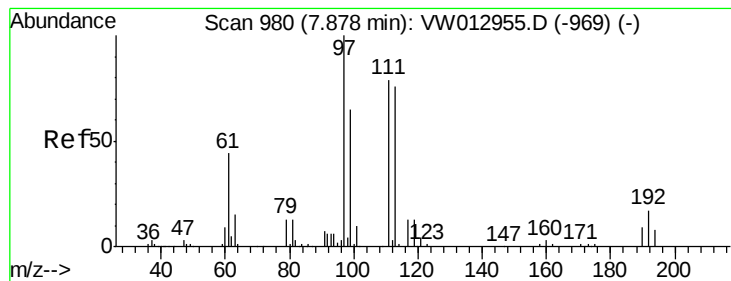
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	473596		
63	20.5	0.0	43.4	
88	15.4	0.0	31.6	





#35

Dibromofluoromethane

Concen: 53.927 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013130.D

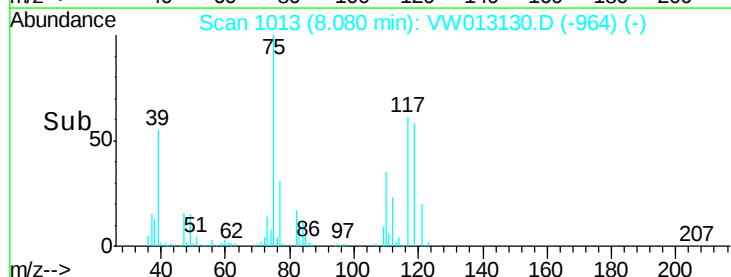
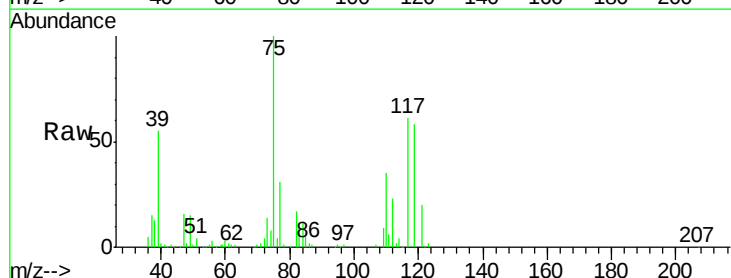
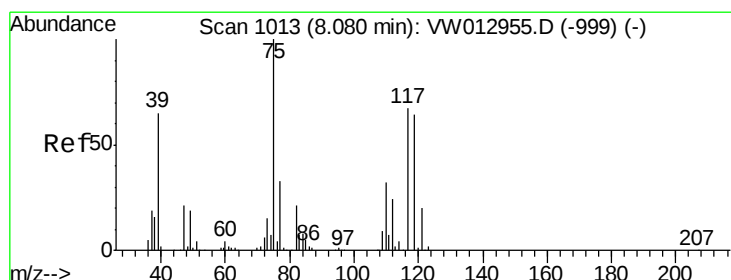
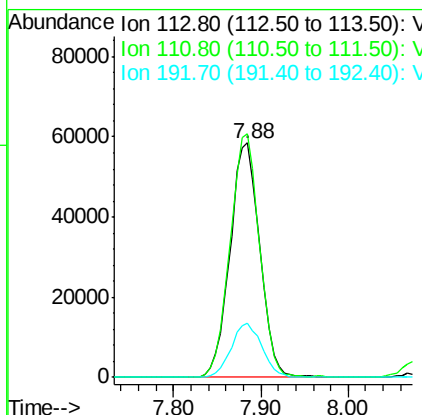
Acq: 18 Sep 2019 22:55

Tot Ion:	113	Resp:	138581
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.8	124.2
192	23.8	17.8	26.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 46.709 ug/l

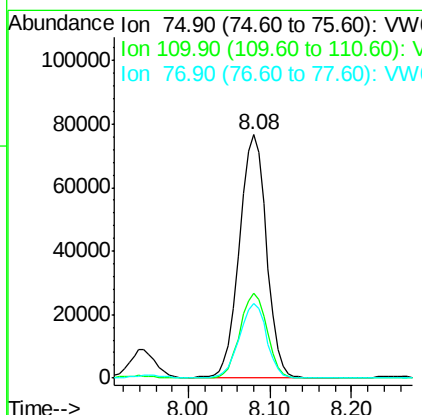
RT: 8.08 min Scan# 1013

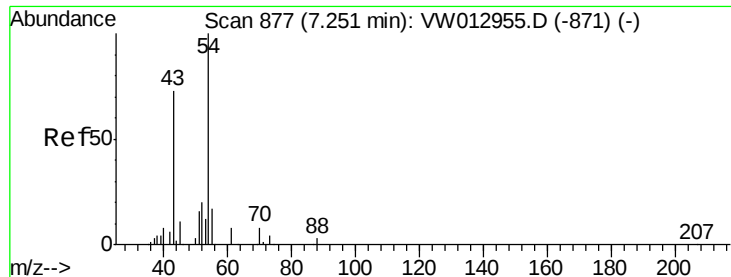
Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion:	75	Resp:	176769
Ion Ratio	Lower	Upper	
75	100		
110	34.7	16.4	49.1
77	30.7	25.1	37.7





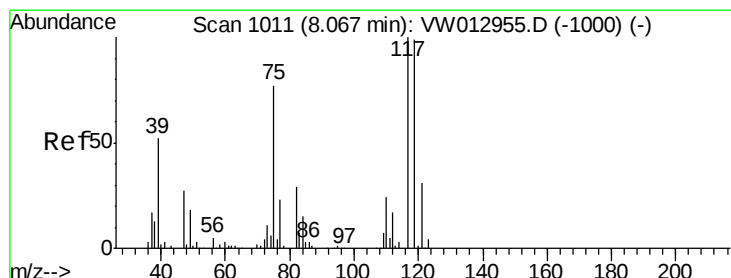
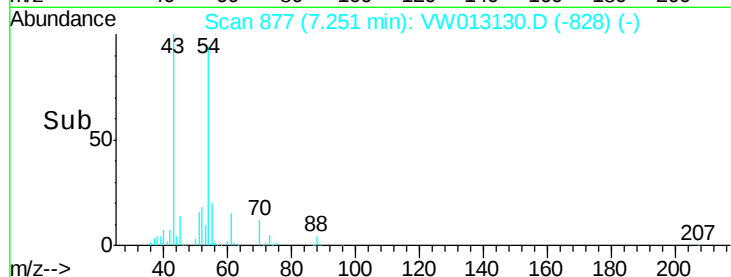
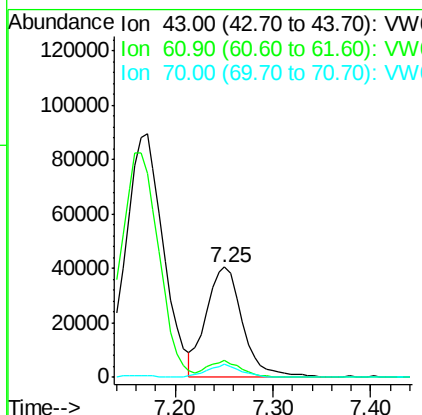
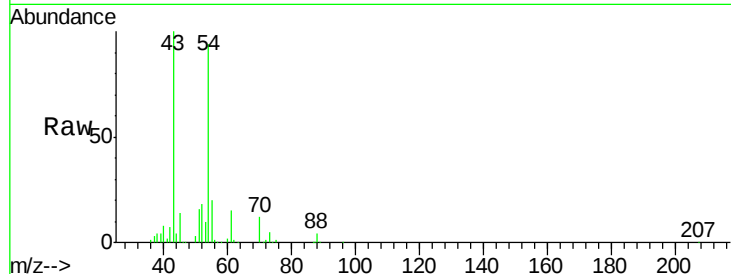
#37
Ethyl Acetate
Concen: 51.557 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.6	14.4
70	10.9	7.6	11.4

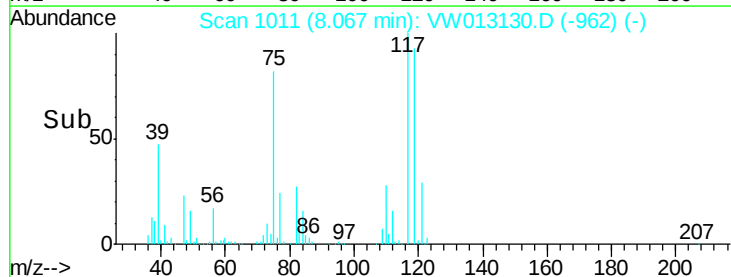
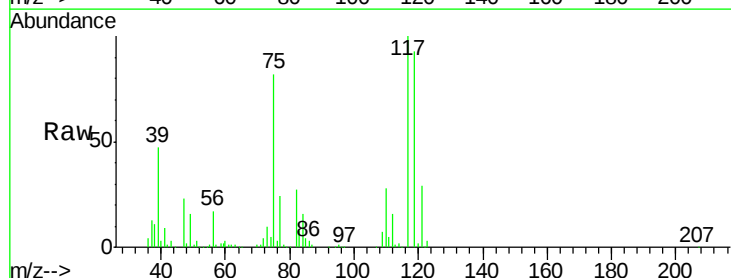
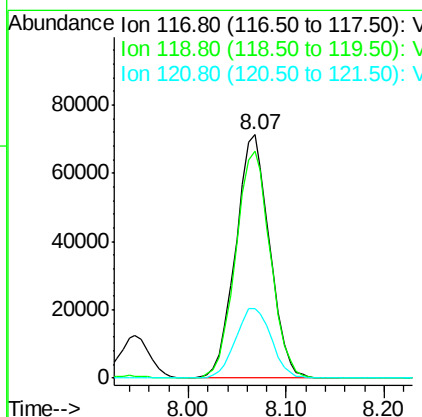
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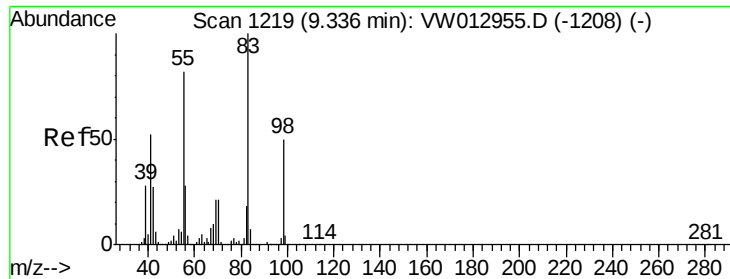
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#38
Carbon Tetrachloride
Concen: 44.139 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	79.4	119.0
121	28.8	24.6	36.8





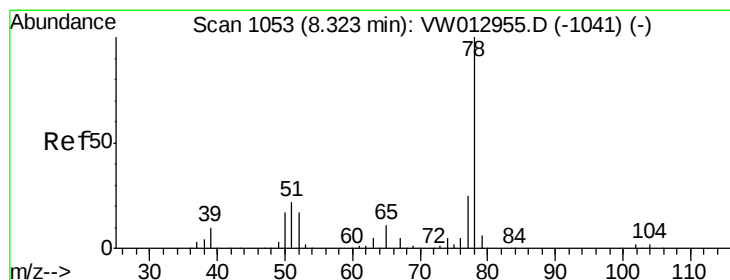
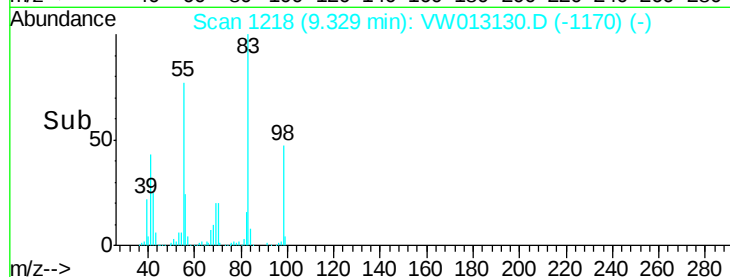
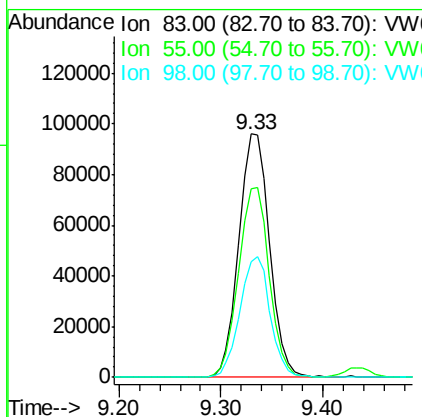
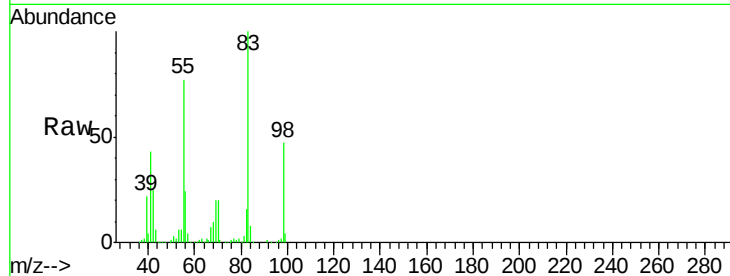
#39
Methvlcvclohexane
Concen: 48.568 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	65.9	98.9
98	47.4	39.6	59.4

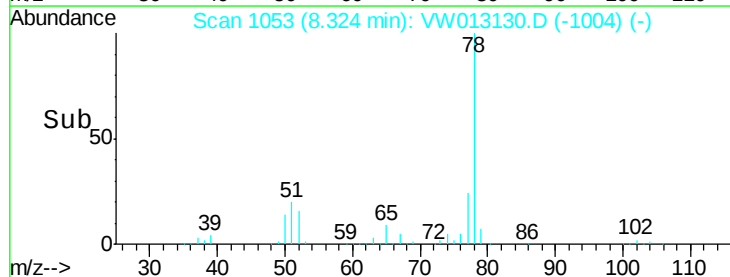
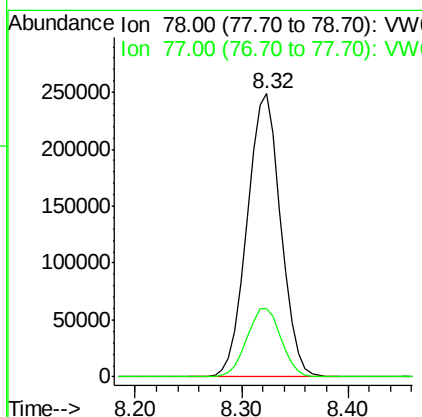
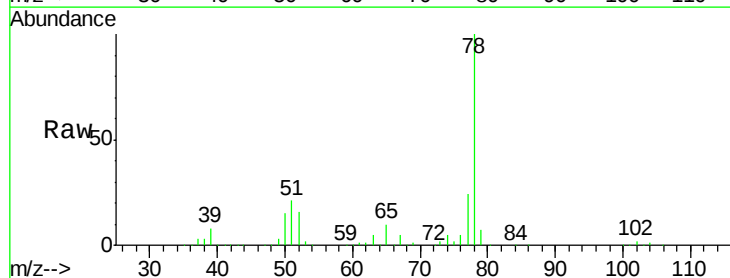
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#40
Benzene
Concen: 52.171 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.6	29.4





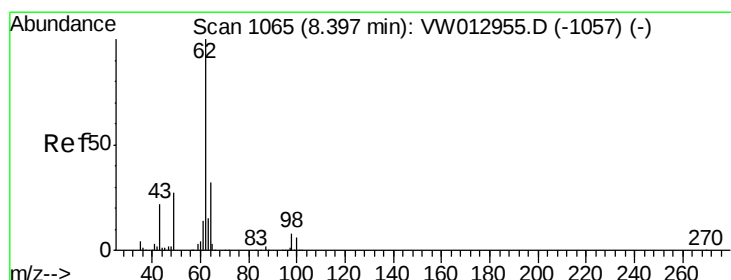
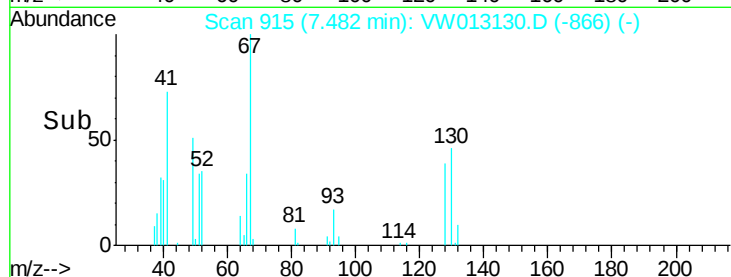
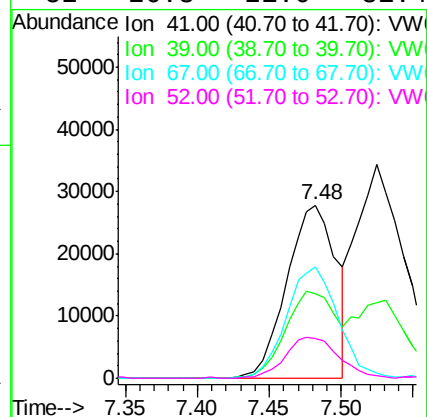
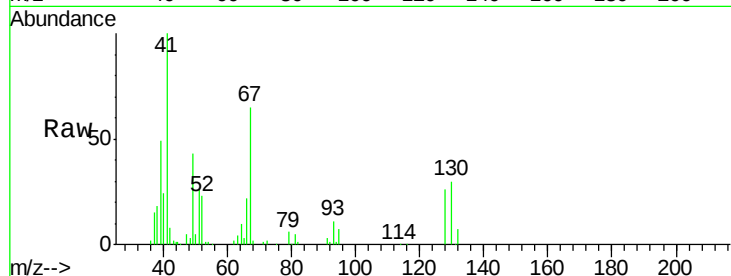
#41
Methacrylonitrile
Concen: 50.072 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		66236		
39	51.2	48.2	72.4		
67	67.3	47.5	71.3		
52	26.3	21.0	31.4		

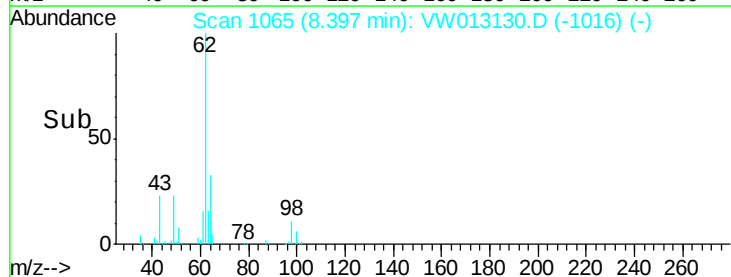
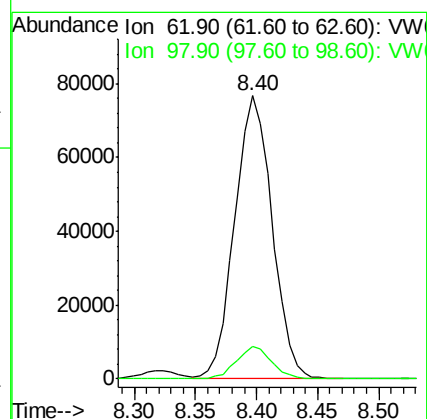
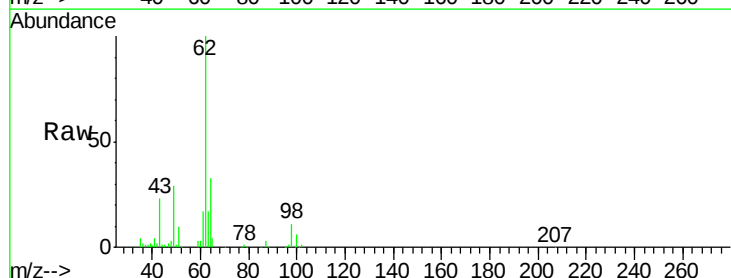
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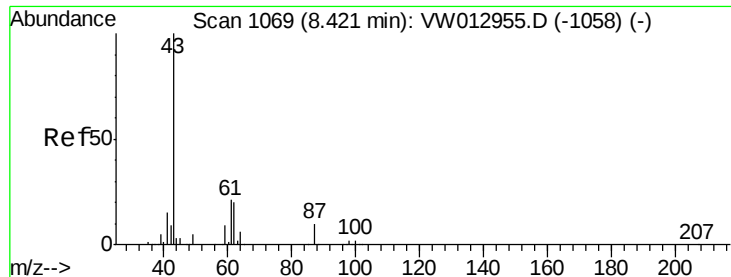
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#42
1,2-Dichloroethane
Concen: 46.006 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		162933		
98	10.8	0.0	16.8		





#43

Isopropyl Acetate

Concen: 52.468 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

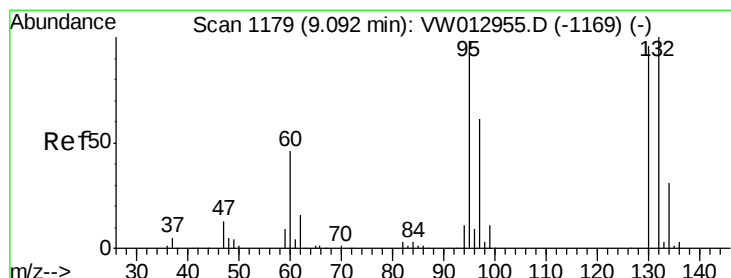
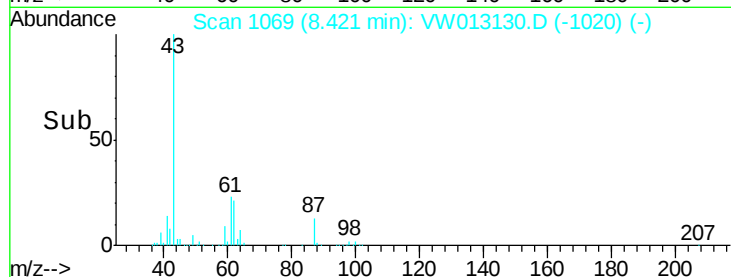
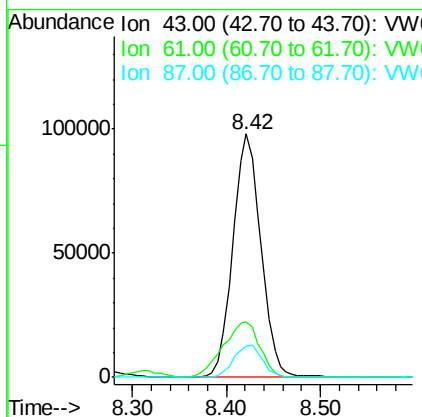
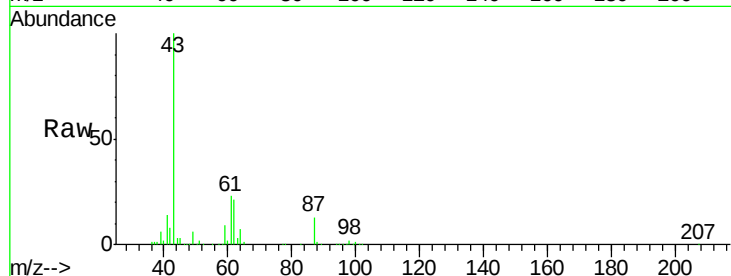
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	202360
Ion	Ratio	Lower	Upper
43	100		
61	29.7	22.7	34.1
87	13.5	9.4	14.2

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#44

Trichloroethene

Concen: 52.367 ug/l

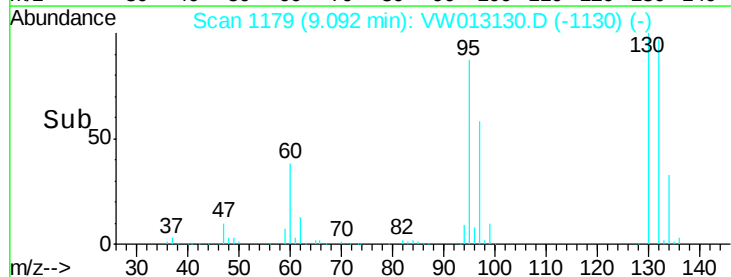
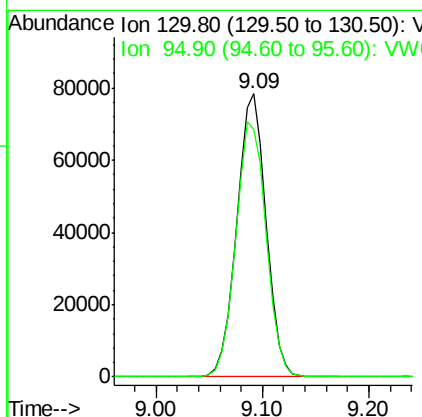
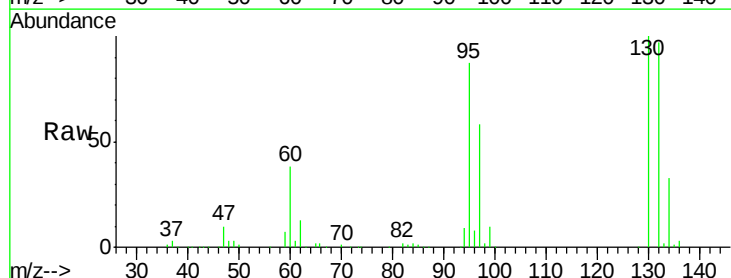
RT: 9.09 min Scan# 1179

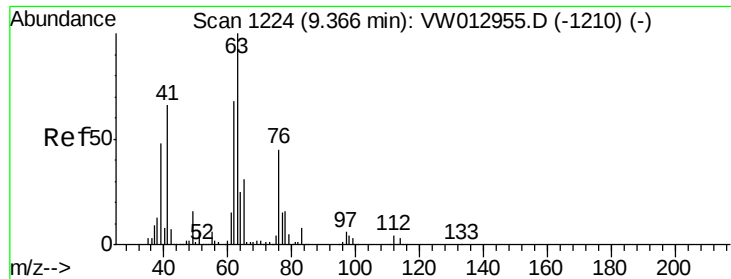
Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion:	130	Resp:	151541
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	204.4





#45

1,2-Dichloropropane

Concen: 54.960 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 154269

Ion Ratio Lower Upper

63 100

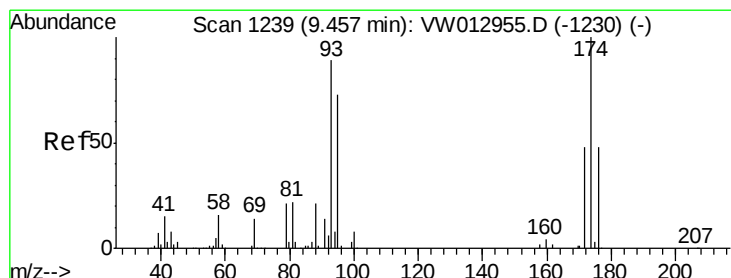
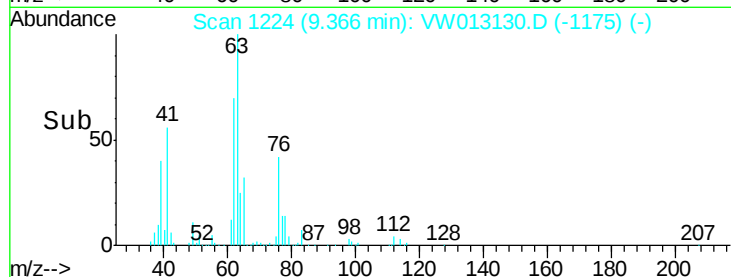
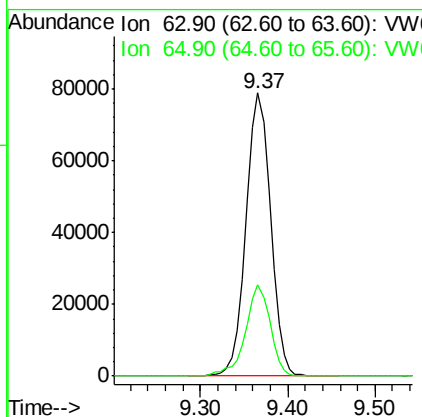
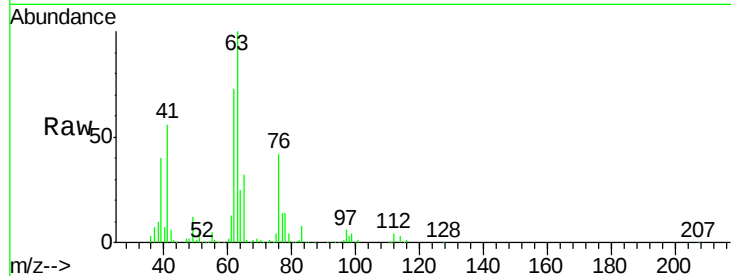
65 32.5 24.6 37.0

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#46

Dibromomethane

Concen: 55.248 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

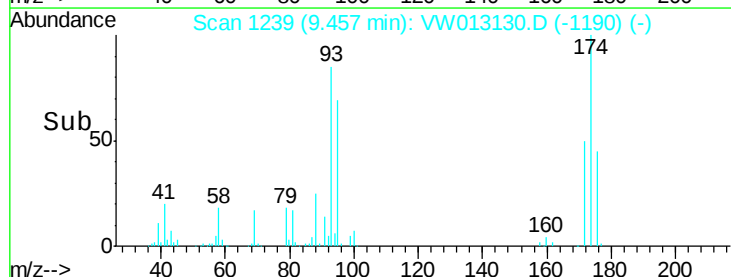
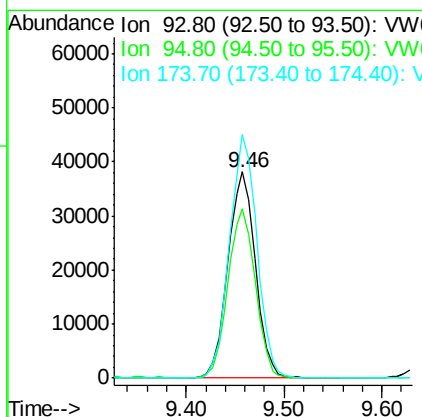
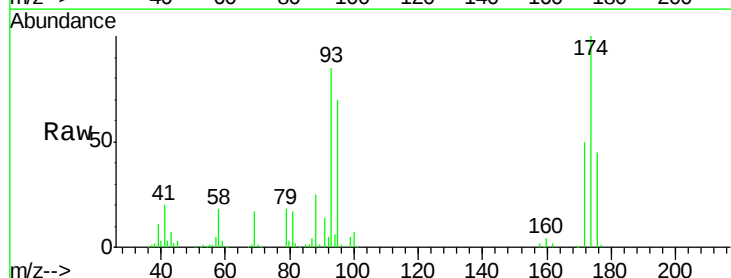
Tgt Ion: 93 Resp: 74297

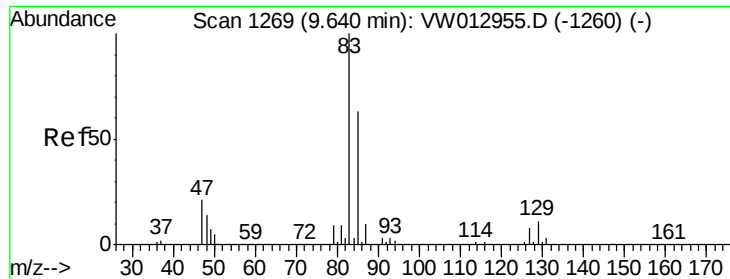
Ion Ratio Lower Upper

93 100

95 82.2 67.0 100.4

174 117.7 90.5 135.7





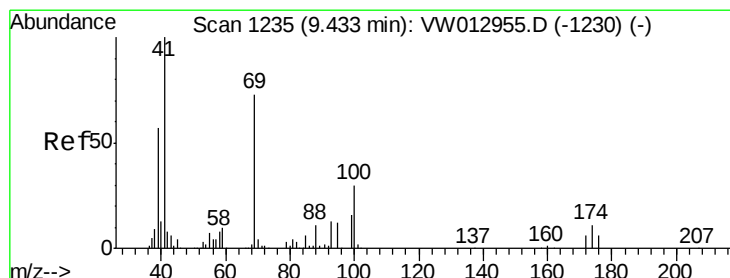
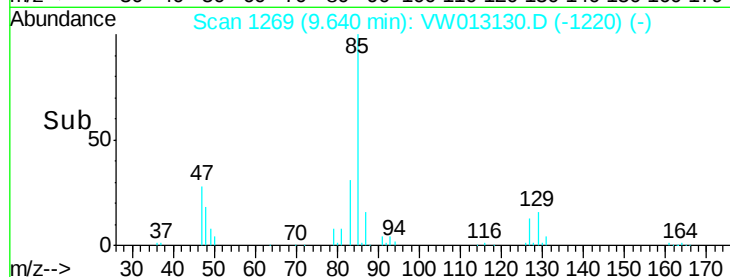
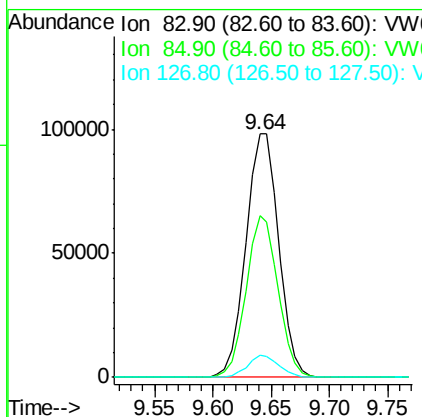
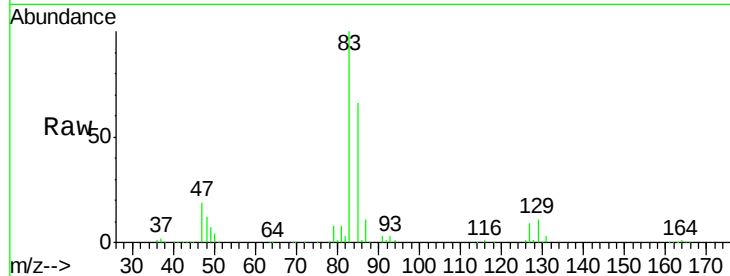
#47
Bromodichloromethane
Concen: 51.183 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	193070		
85	66.3		50.6	75.8
127	8.9		6.7	10.1

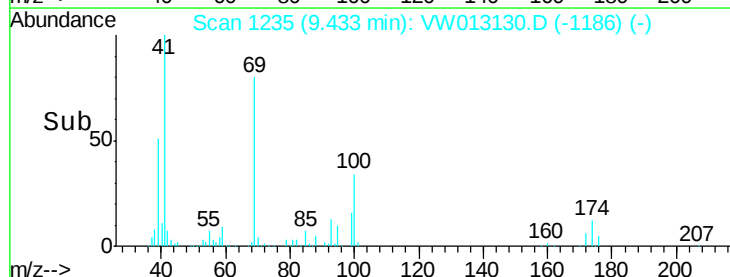
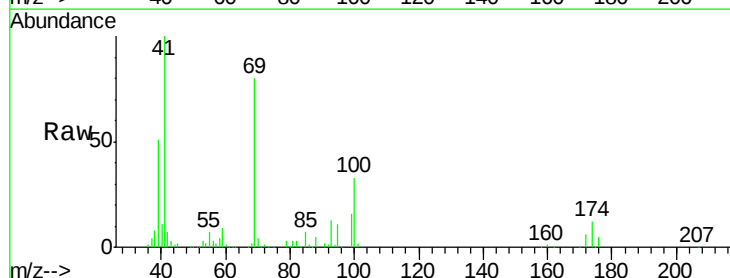
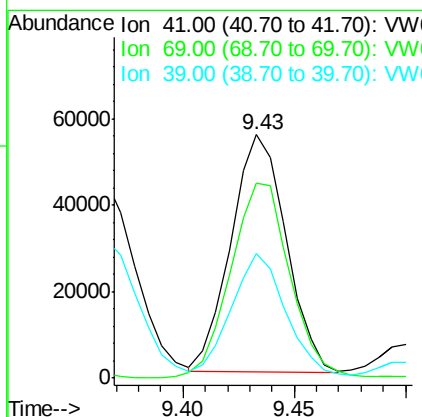
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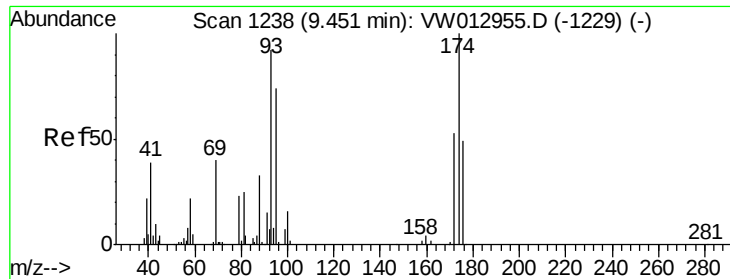
MMDadoda
9/19/2019 11:21:57 AM



#48
Methyl methacrylate
Concen: 52.221 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	94524		
69	88.7		62.8	94.2
39	53.4		48.5	72.7





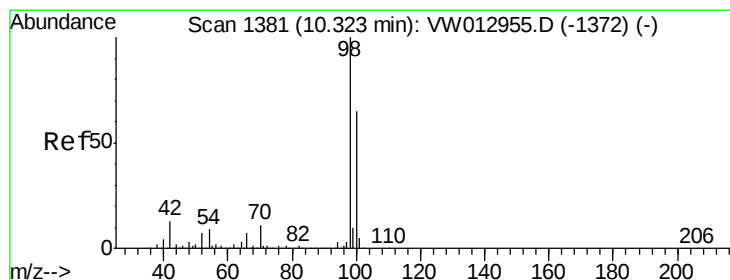
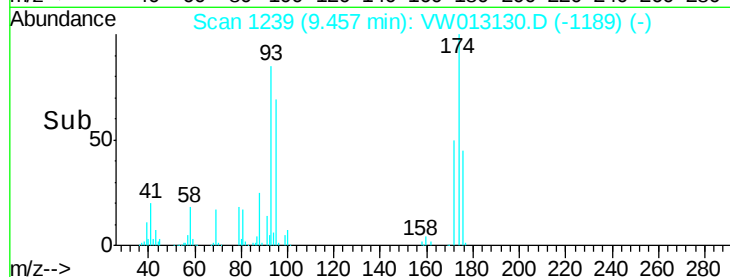
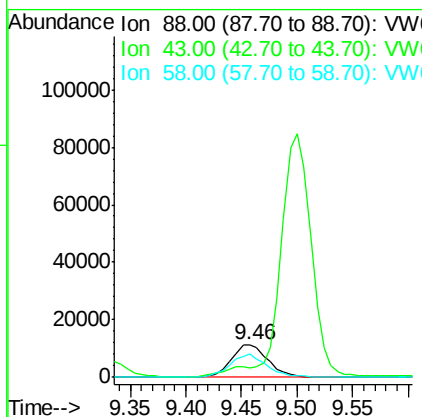
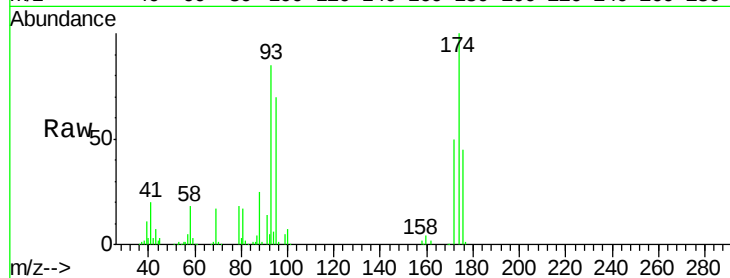
#49
1,4-Dioxane
Concen: 1148.409 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	25878
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	73.4	60.2	90.2

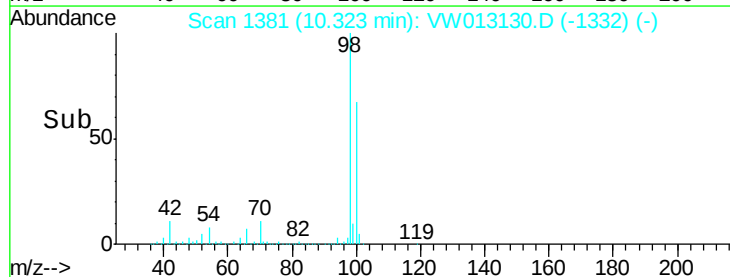
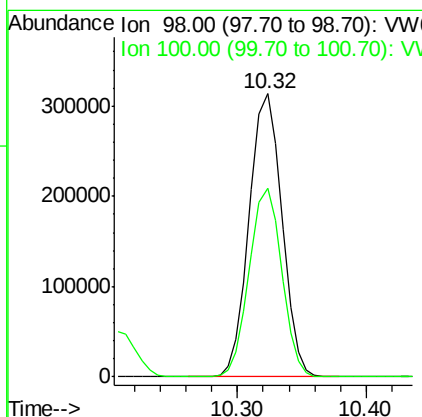
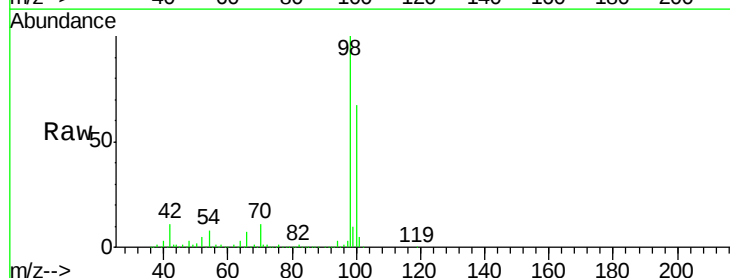
Manual Integrations
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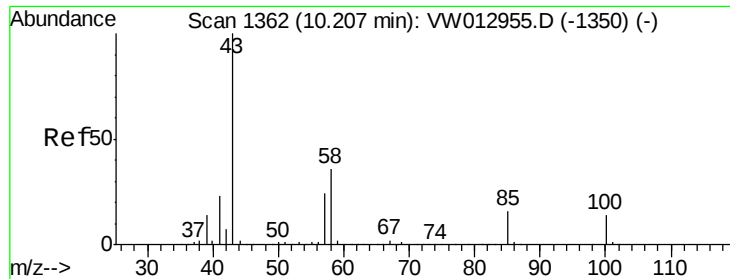
MMDadoda
9/19/2019 11:21:57 AM



#50
Toluene-d8
Concen: 54.912 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	98	Resp	552189
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 269.319 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 536269

Ion Ratio Lower Upper

43 100

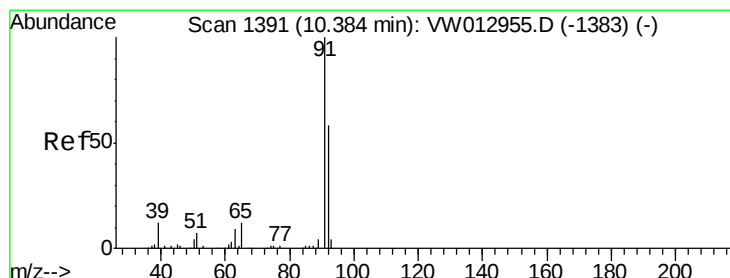
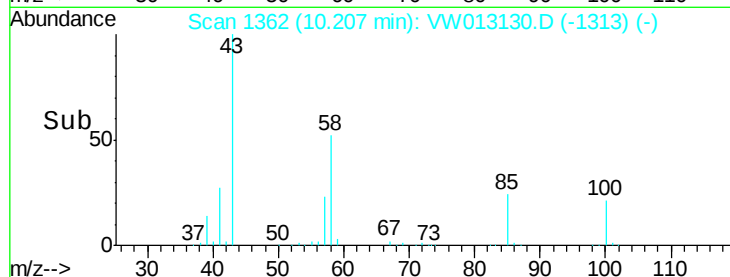
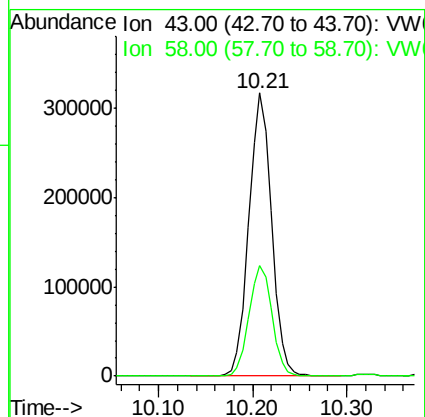
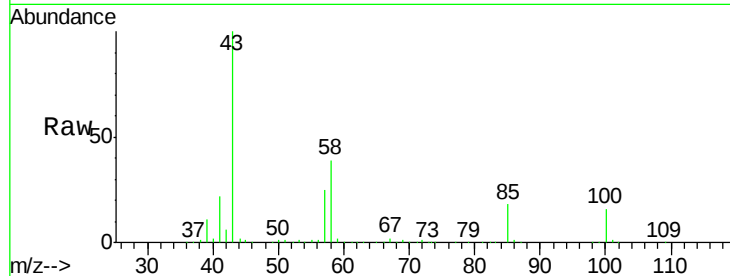
58 39.6 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 53.935 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013130.D

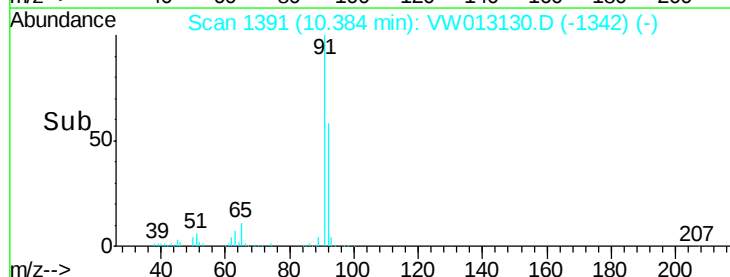
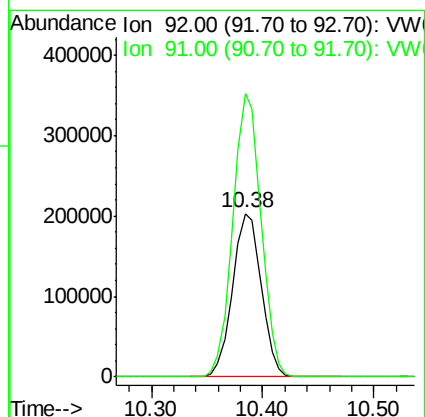
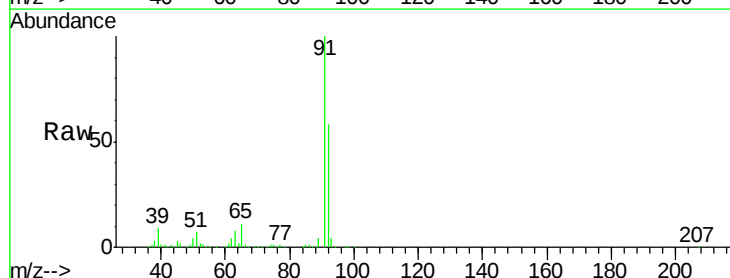
Acq: 18 Sep 2019 22:55

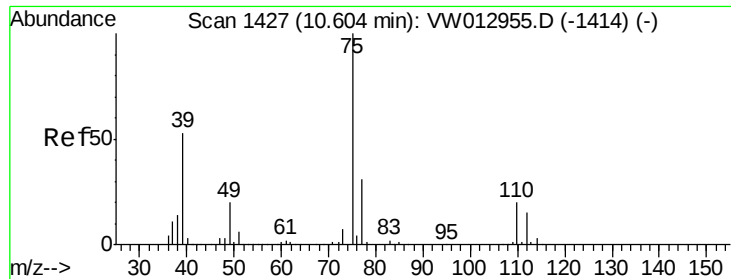
Tgt Ion: 92 Resp: 362084

Ion Ratio Lower Upper

92 100

91 170.6 137.5 206.3





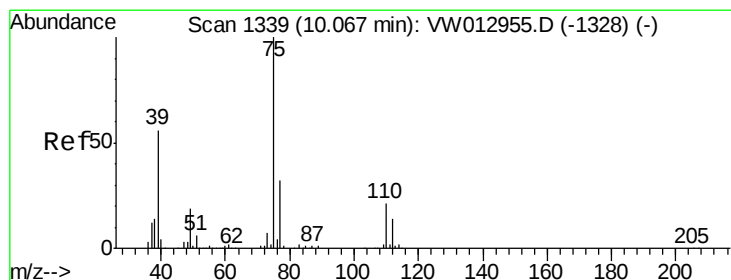
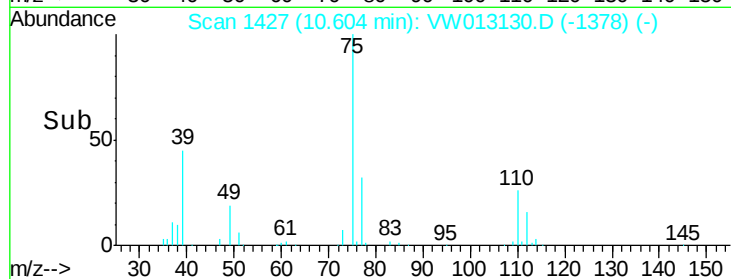
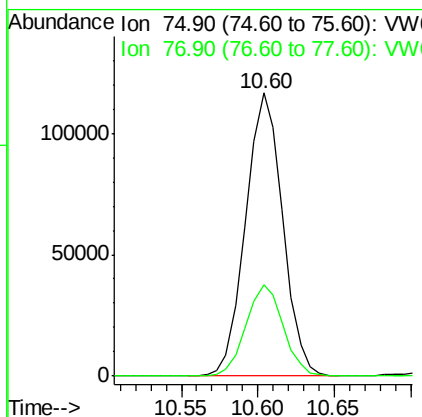
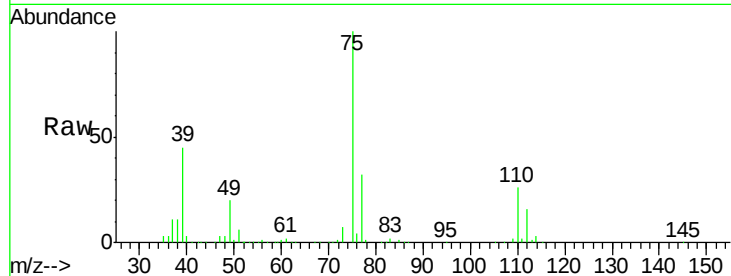
#53
t-1,3-Dichloropropene
Concen: 51.796 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	37.0

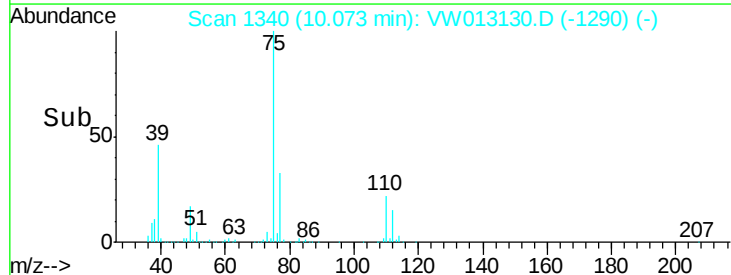
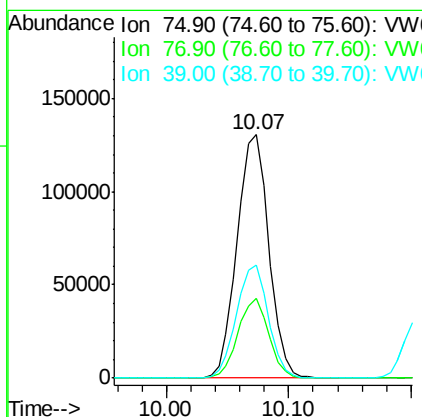
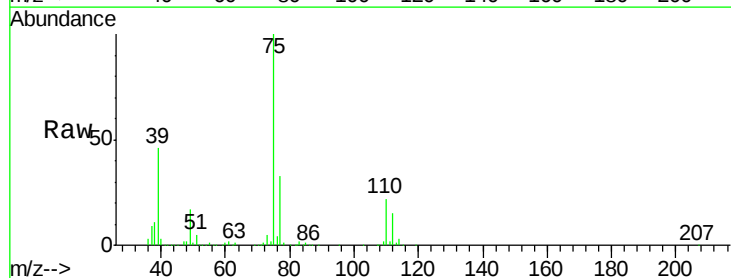
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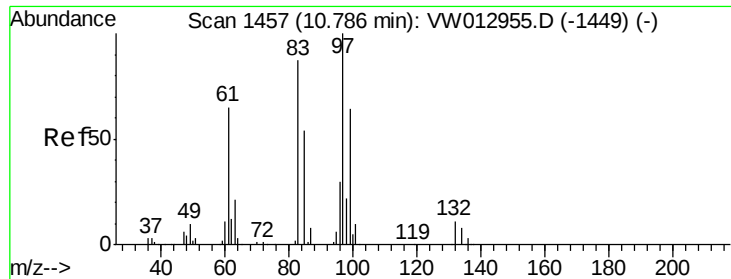
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#54
cis-1,3-Dichloropropene
Concen: 54.283 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.5	38.3
39	46.5	45.0	67.6





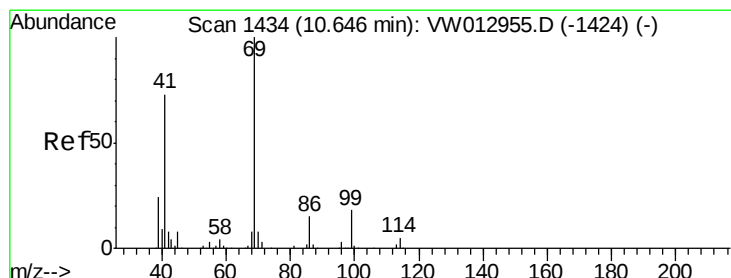
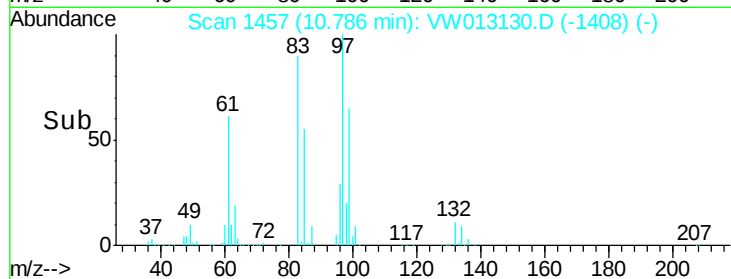
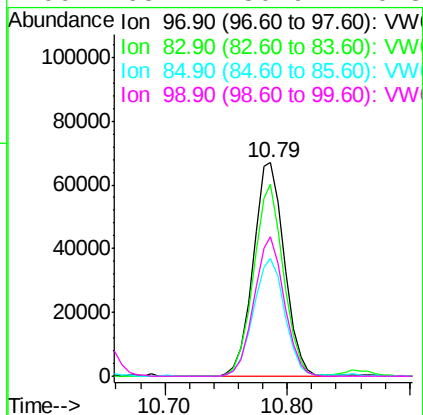
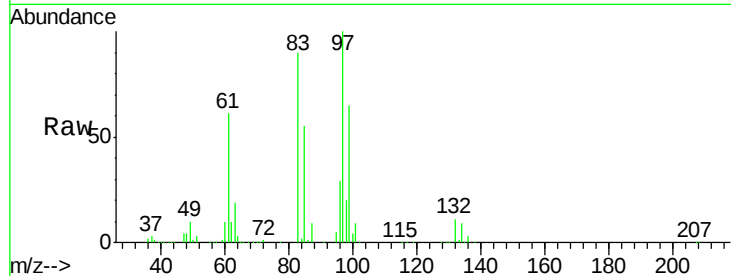
#55
 1,1,2-Trichloroethane
 Concen: 58.021 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	118865
Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.4	104.0
85	54.8	43.3	64.9
99	65.1	50.9	76.3

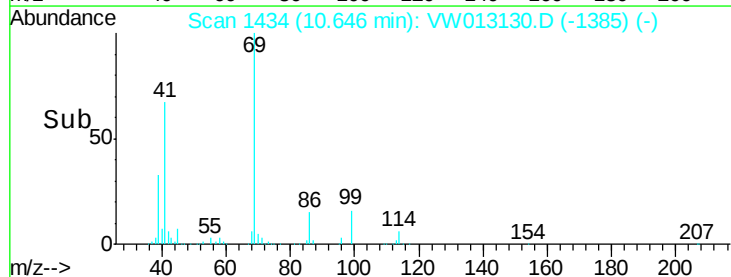
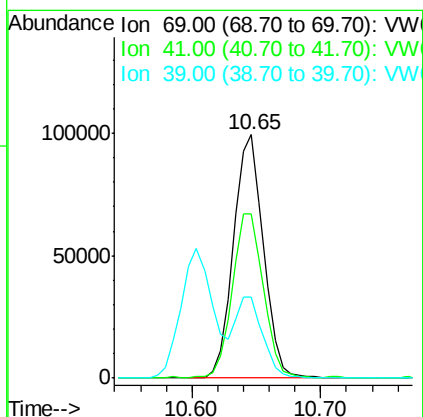
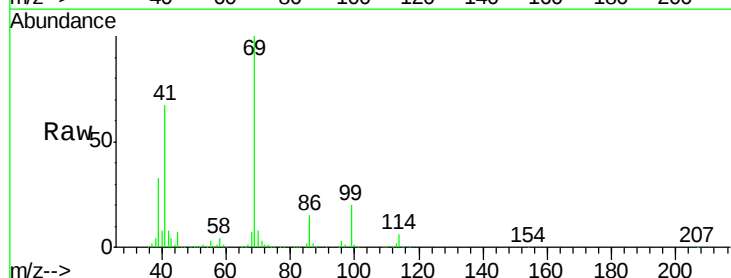
Manual Integrations
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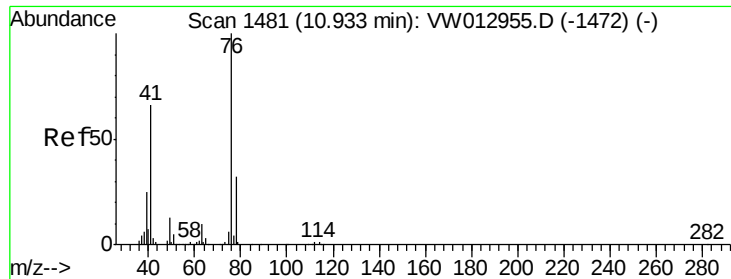
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 9/19/2019 11:21:57 AM



#56
 Ethyl methacrylate
 Concen: 58.247 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion:	69	Resp:	160619
Ion	Ratio	Lower	Upper
69	100		
41	69.3	60.8	91.2
39	29.9	29.4	44.0





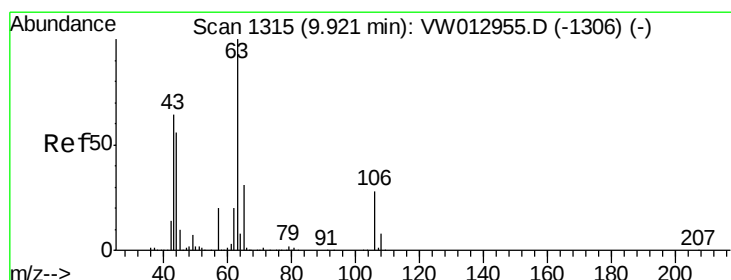
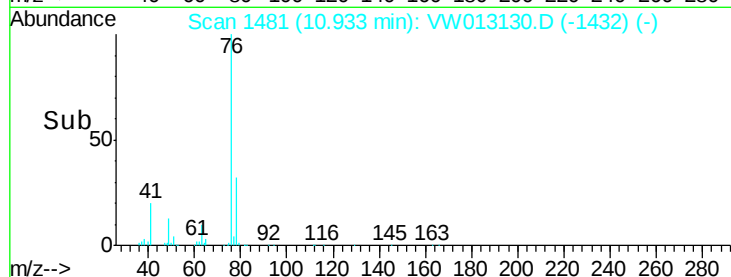
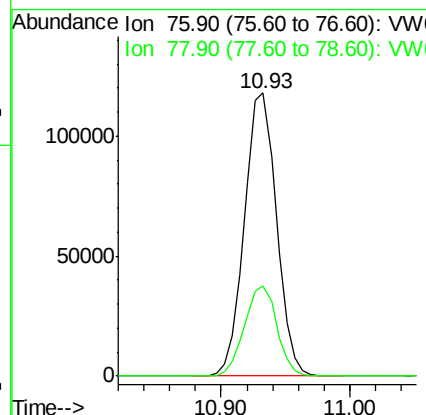
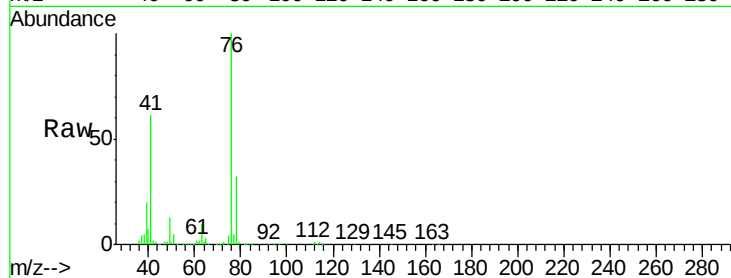
#57
 1,3-Dichloropropane
 Concen: 55.826 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 202881
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

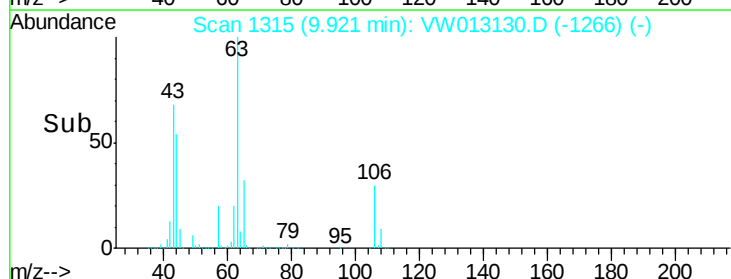
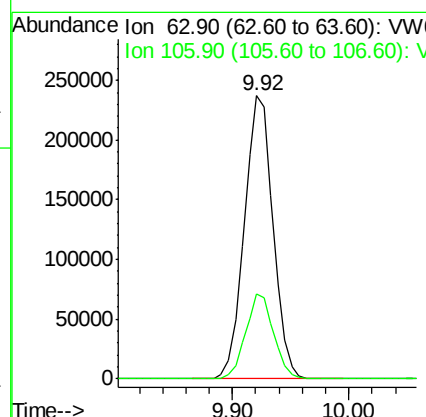
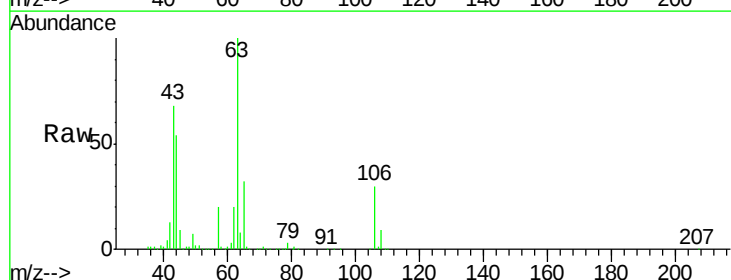
Manual Integrations
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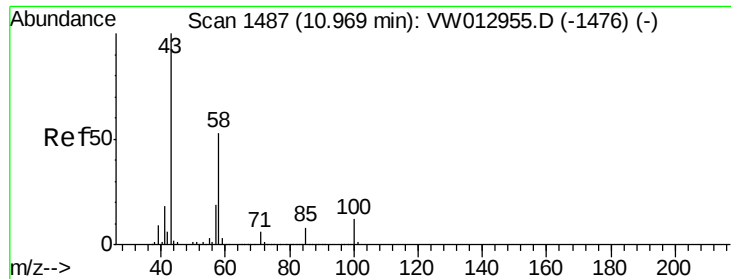
MMDadoda
 9/19/2019 11:21:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.419 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion: 63 Resp: 407408
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.2 33.2





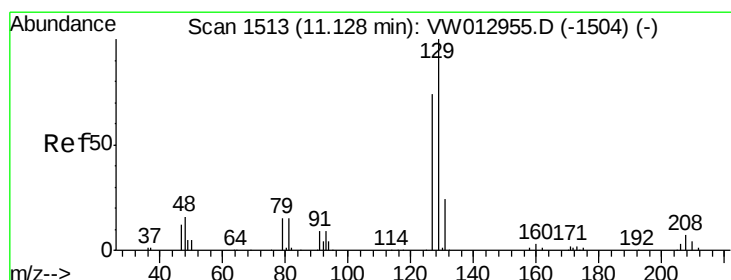
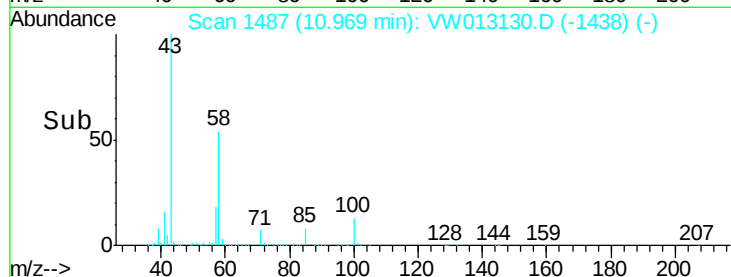
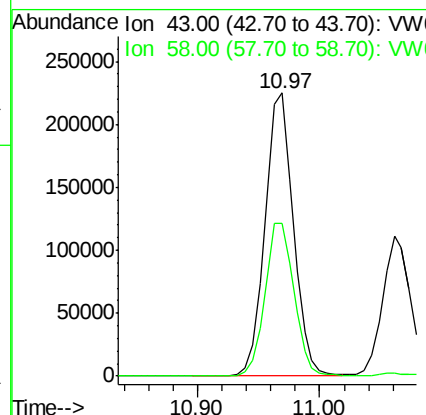
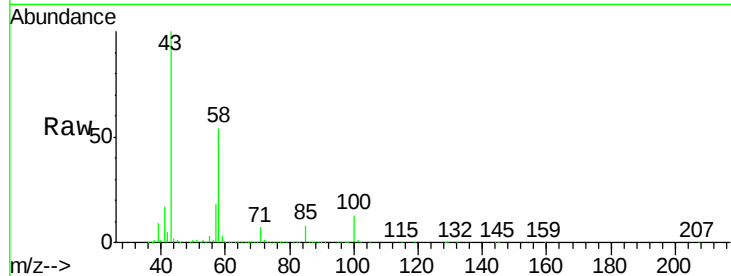
#59
2-Hexanone
Concen: 262.271 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 363637
Ion Ratio Lower Upper
43 100
58 55.4 25.8 77.3

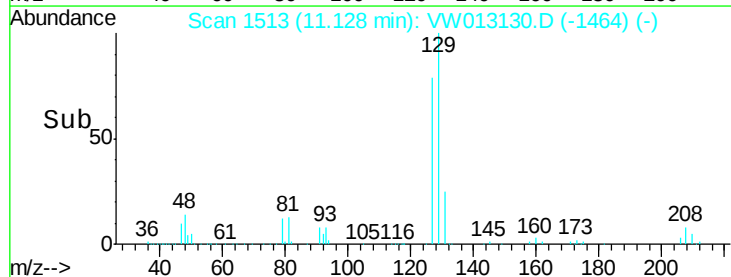
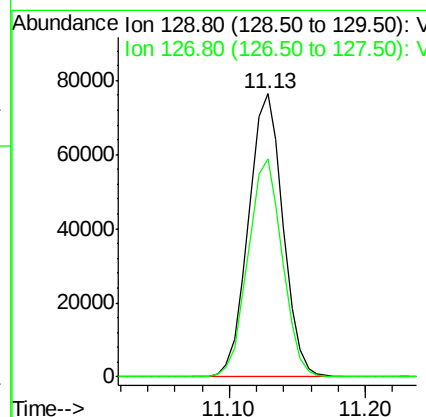
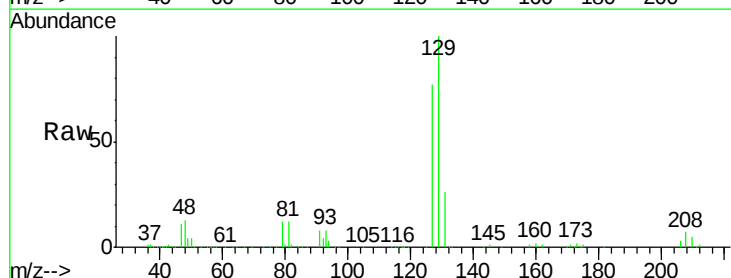
Manual Integrations
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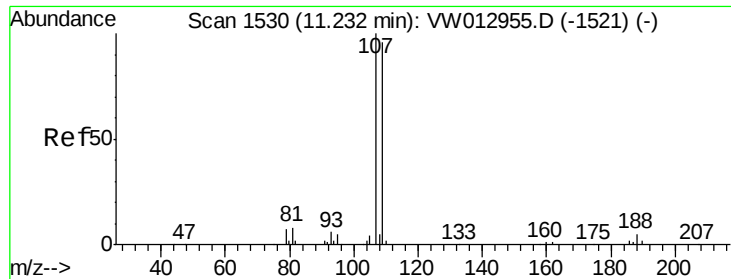
MMDadoda
9/19/2019 11:21:57 AM



#60
Dibromochloromethane
Concen: 54.940 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 129 Resp: 136077
Ion Ratio Lower Upper
129 100
127 76.5 37.4 112.2





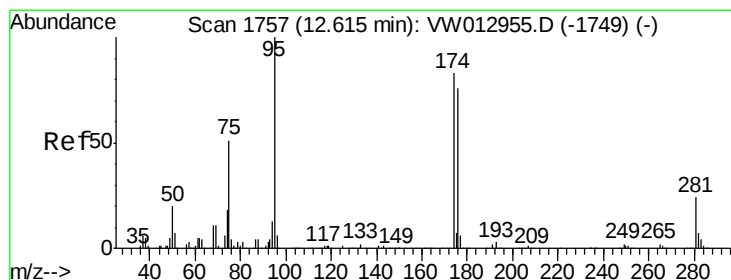
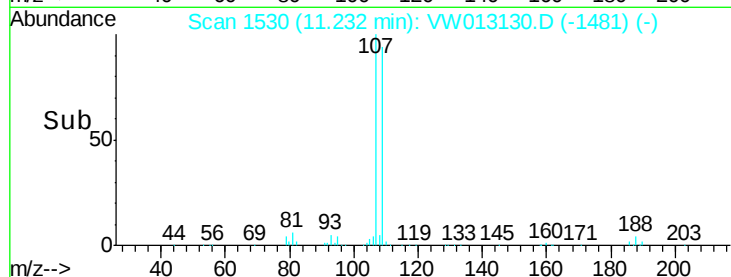
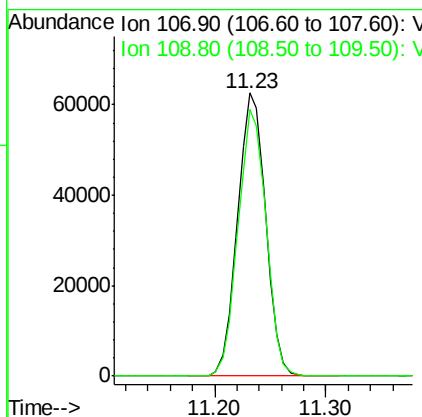
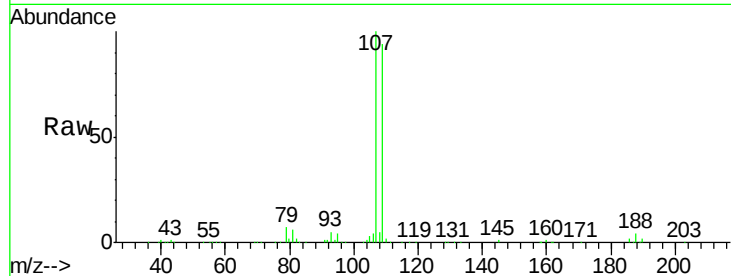
#61
 1,2-Dibromoethane
 Concen: 58.519 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

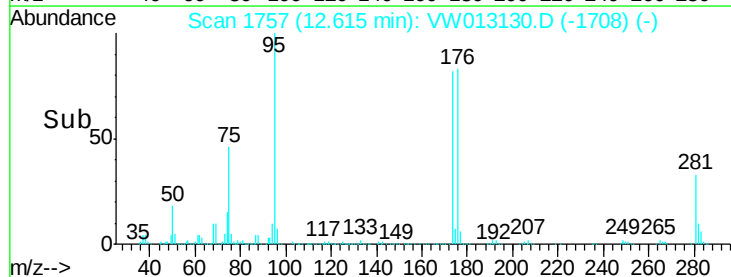
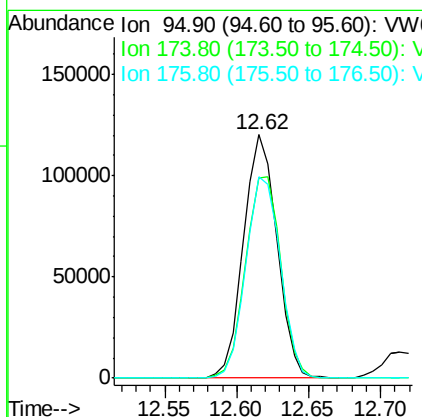
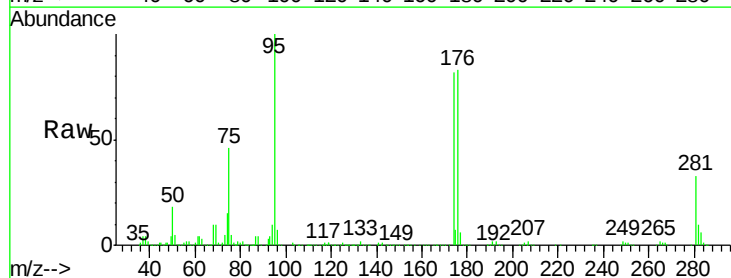
Manual Integrations
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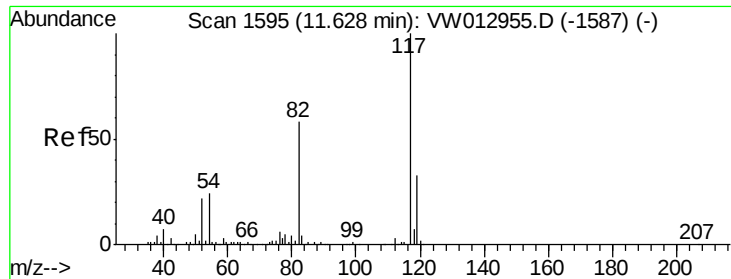
MMDadoda
 9/19/2019 11:21:57 AM



#62
 4-Bromofluorobenzene
 Concen: 53.311 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	170.4
176	85.6	0.0	164.6





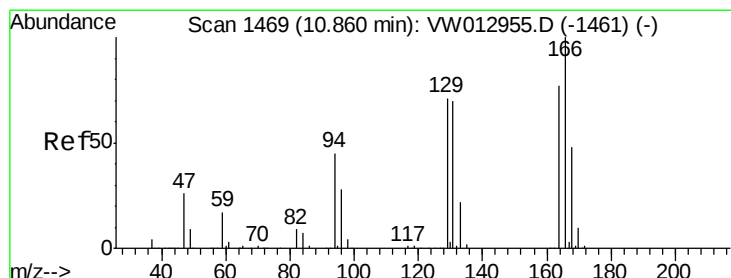
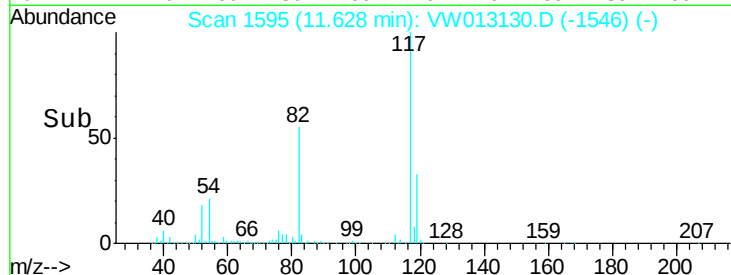
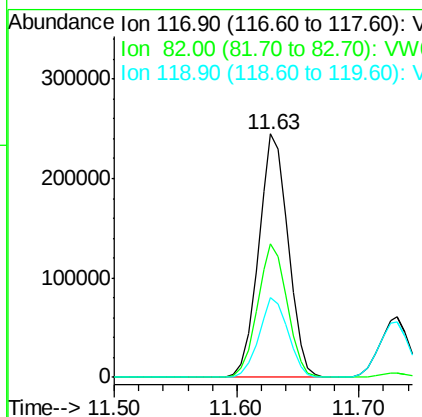
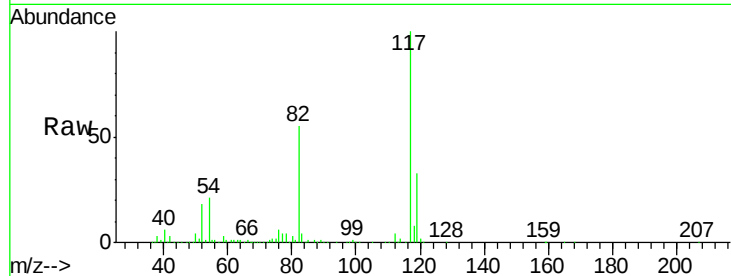
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	409262		
82	55.0	46.3	69.5	
119	32.6	26.2	39.4	

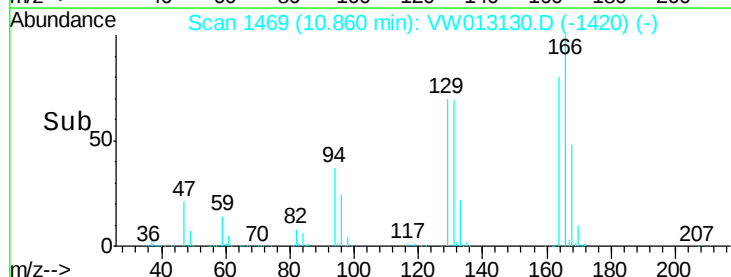
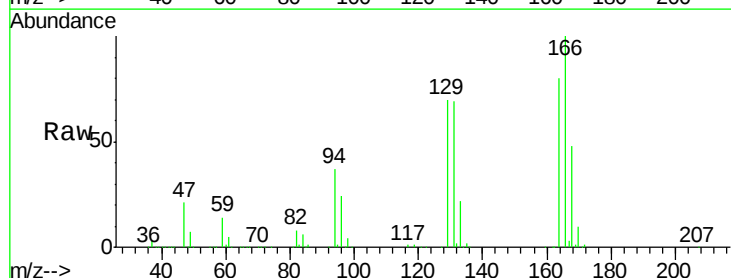
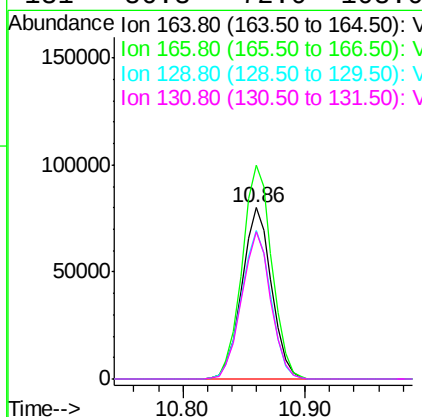
Manual Integrations
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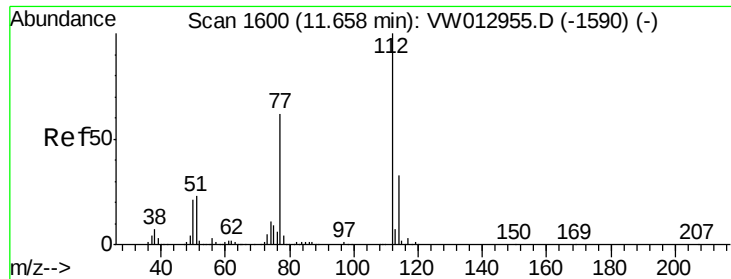
MMDadoda
9/19/2019 11:21:57 AM



#64
Tetrachloroethene
Concen: 55.237 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134486		
166	124.7	103.3	154.9	
129	87.1	73.8	110.8	
131	86.3	72.0	108.0	





#65

Chlorobenzene

Concen: 55.717 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 406174

Ion Ratio Lower Upper

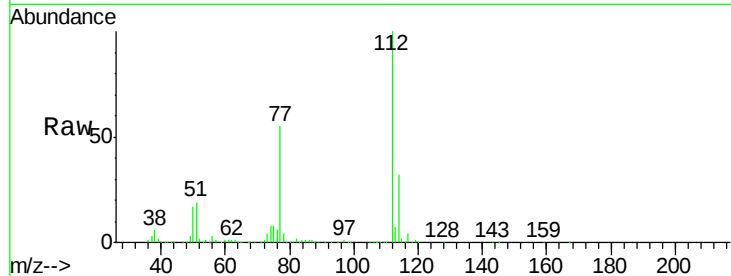
112 100

114 32.1 26.4 39.6

Manual Integrations
APPROVED

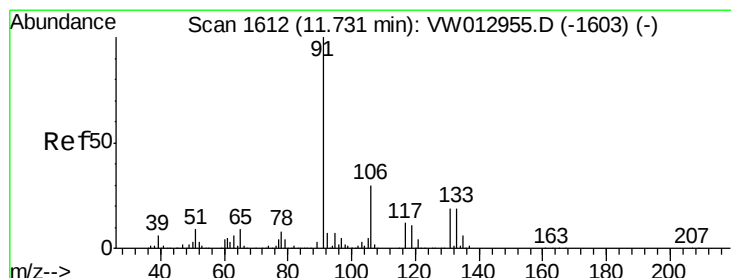
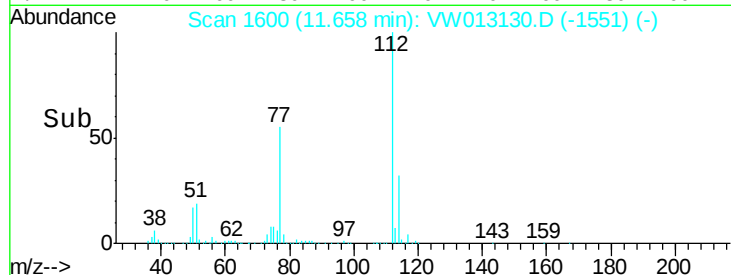
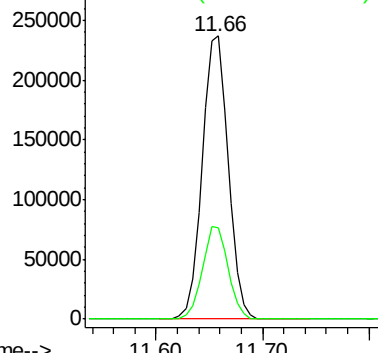
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.089 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

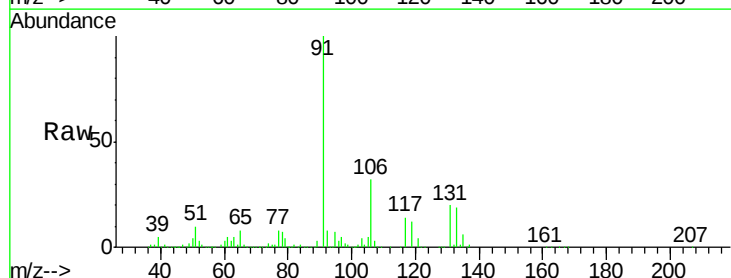
Tgt Ion:131 Resp: 151103

Ion Ratio Lower Upper

131 100

133 96.0 47.9 143.8

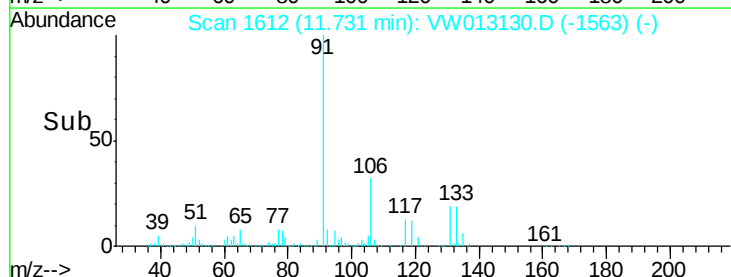
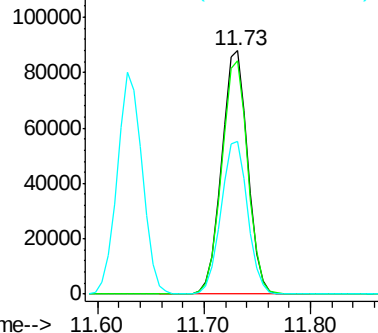
119 64.1 30.9 92.7

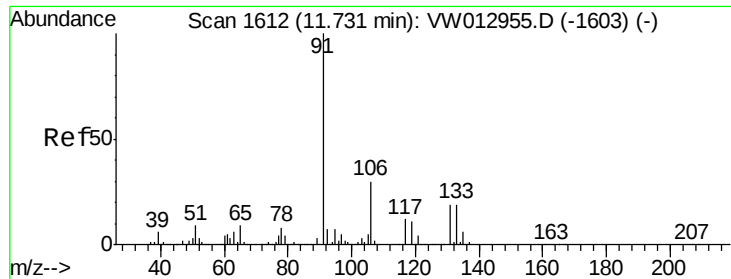


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





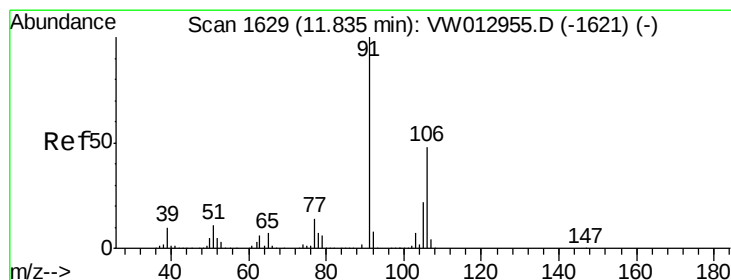
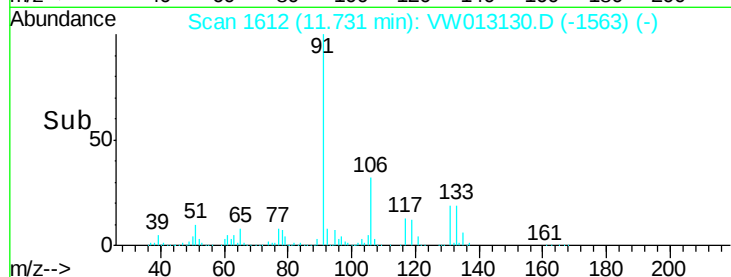
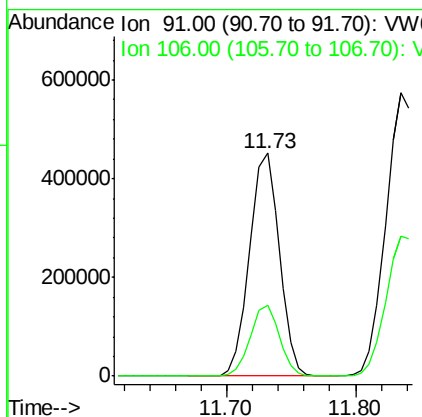
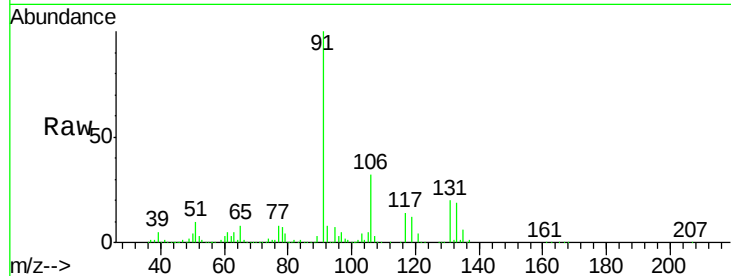
#67
Ethyl Benzene
Concen: 53.497 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 720258
Ion Ratio Lower Upper
91 100
106 31.7 24.3 36.5

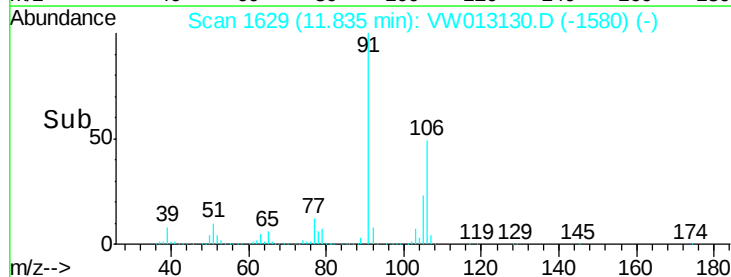
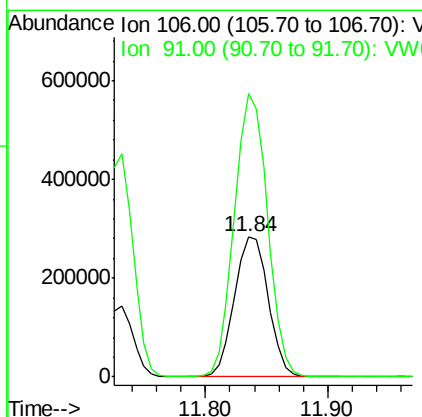
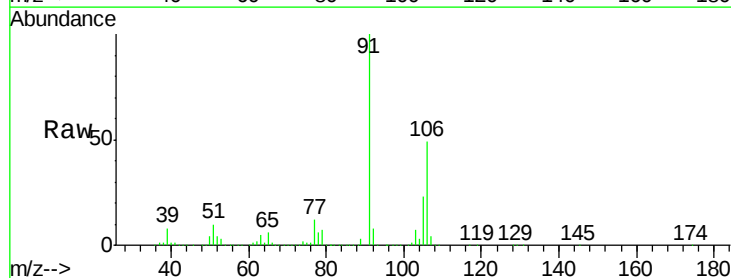
Manual Integrations
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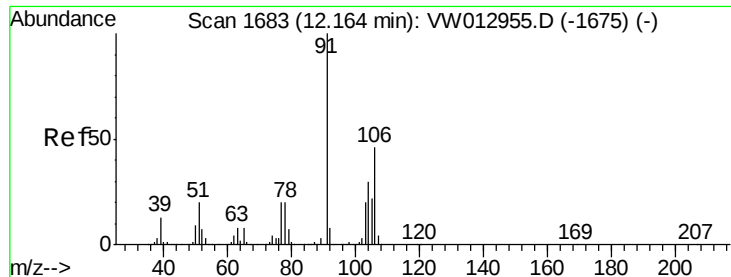
MMDadoda
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#68
m/p-Xylenes
Concen: 110.149 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 106 Resp: 541760
Ion Ratio Lower Upper
106 100
91 199.4 165.8 248.8





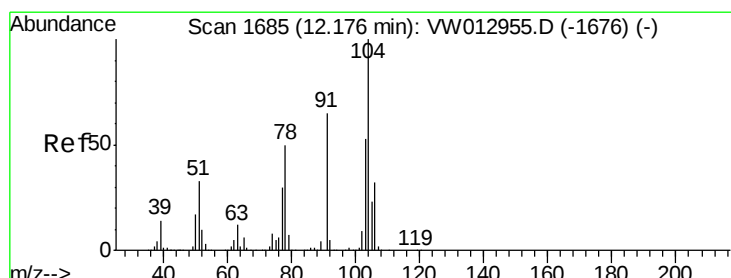
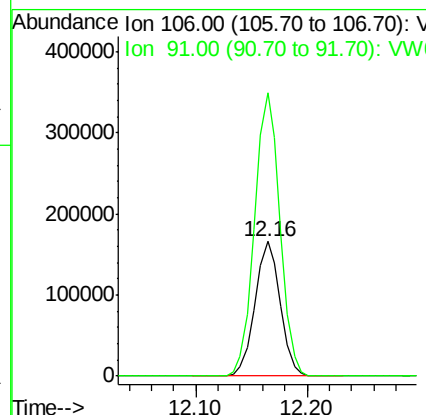
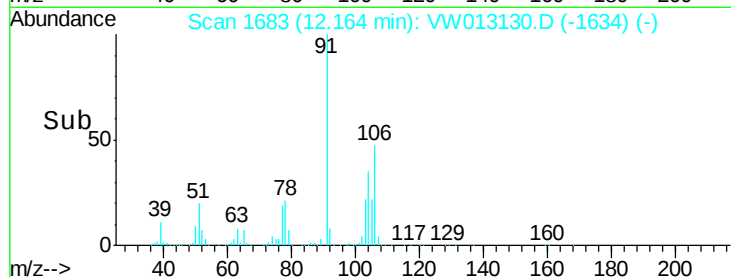
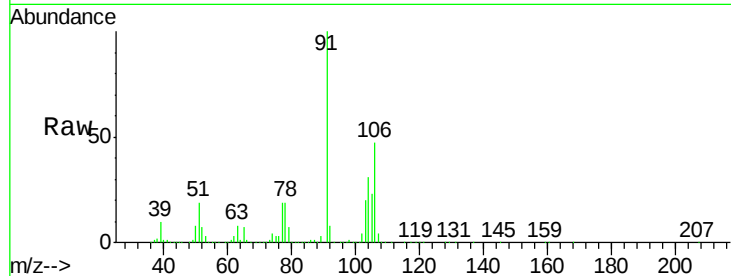
#69
o-Xylene
Concen: 56.608 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 261025
Ion Ratio Lower Upper
106 100
91 211.7 109.7 329.0

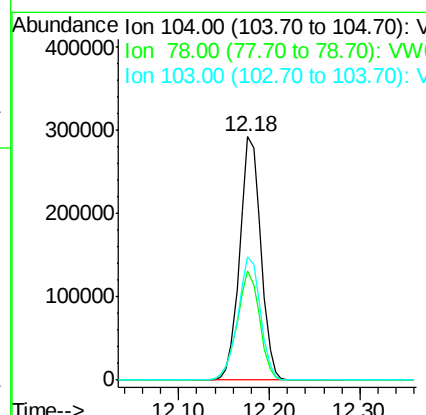
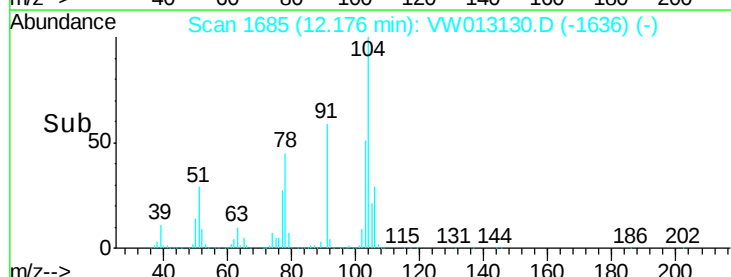
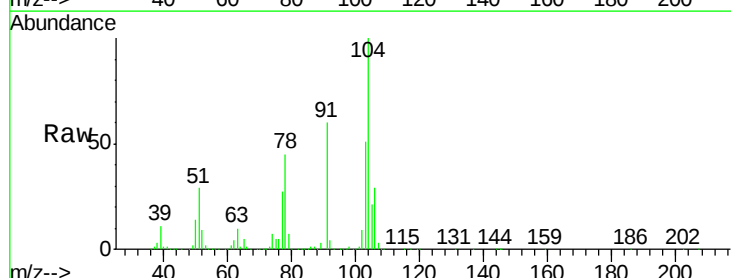
Manual Integrations
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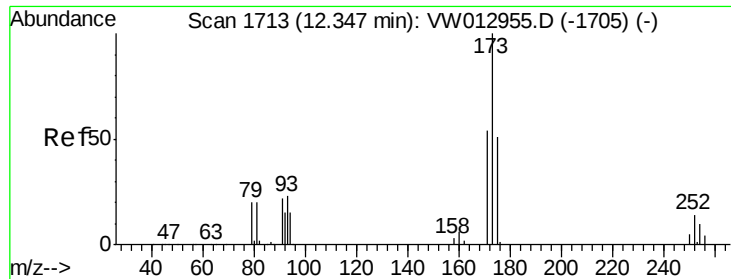
MMDadoda
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#70
Styrene
Concen: 57.394 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion:104 Resp: 470783
Ion Ratio Lower Upper
104 100
78 47.9 42.1 63.1
103 54.4 44.2 66.4





#71

Bromoform

Concen: 55.759 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

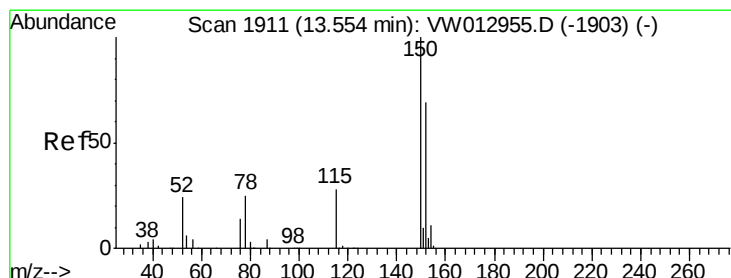
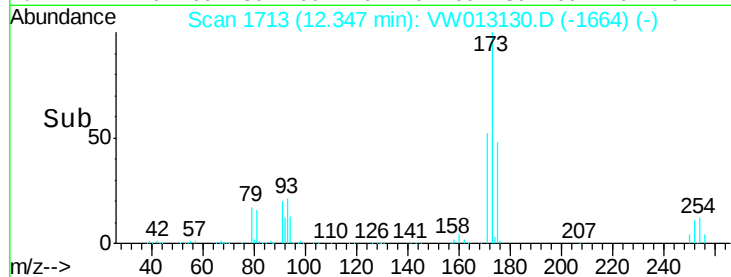
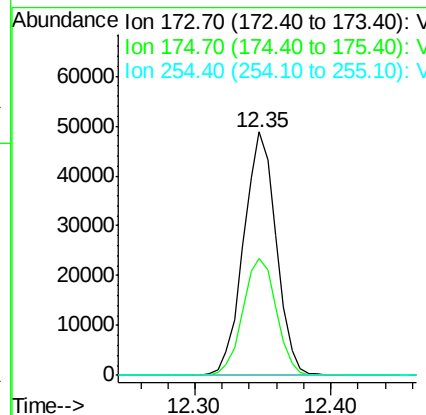
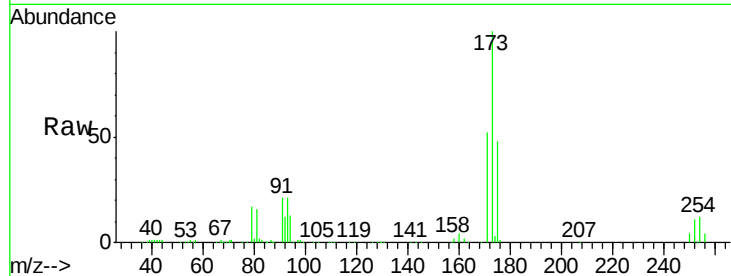
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

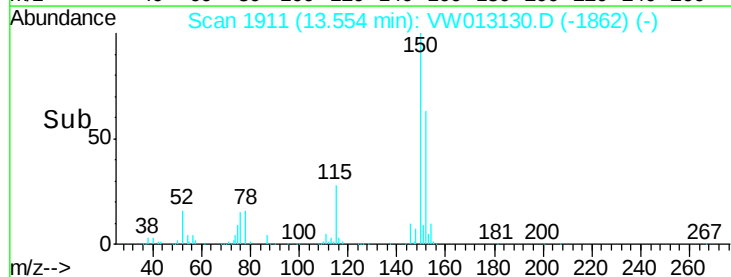
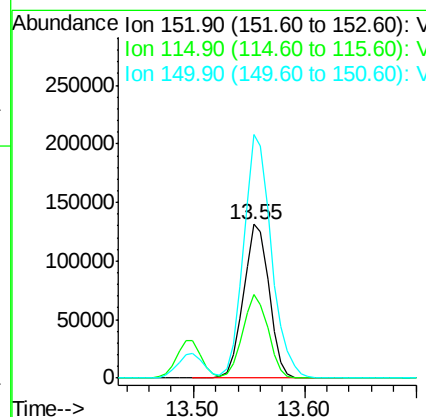
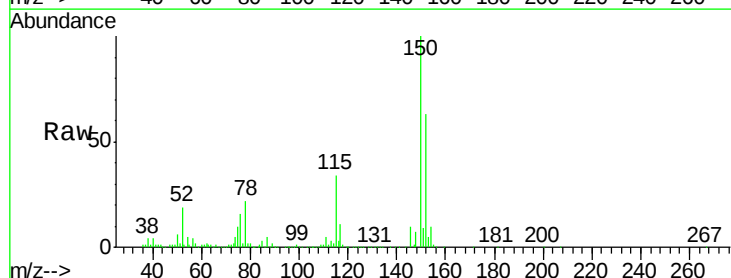
RT: 13.55 min Scan# 1911

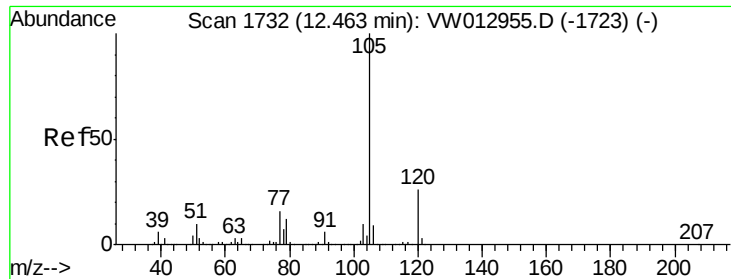
Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	28.8	86.4
150	171.2	0.0	340.2





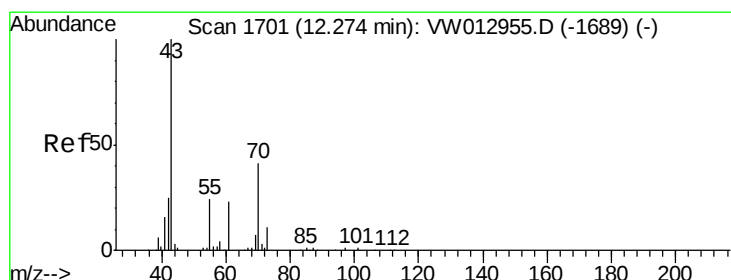
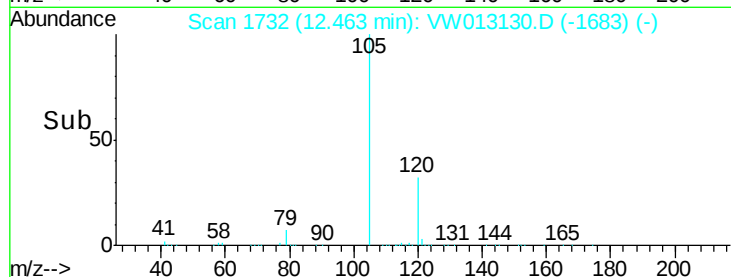
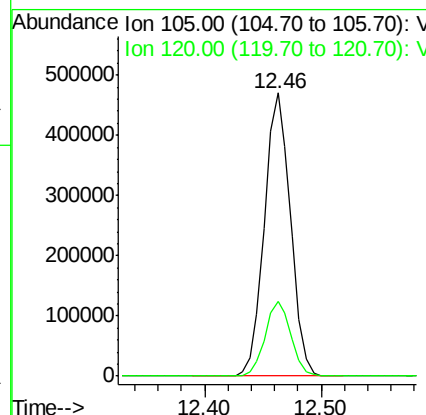
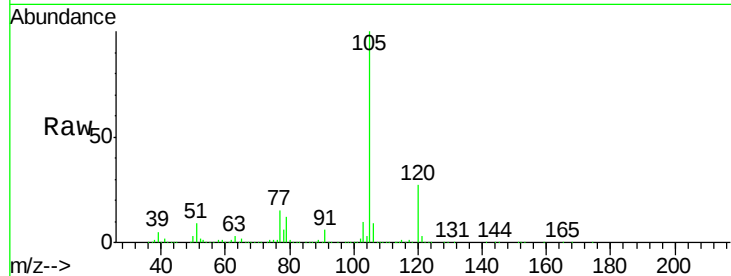
#73
Isopropylbenzene
Concen: 52.821 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 732936
Ion Ratio Lower Upper
105 100
120 26.2 13.0 39.0

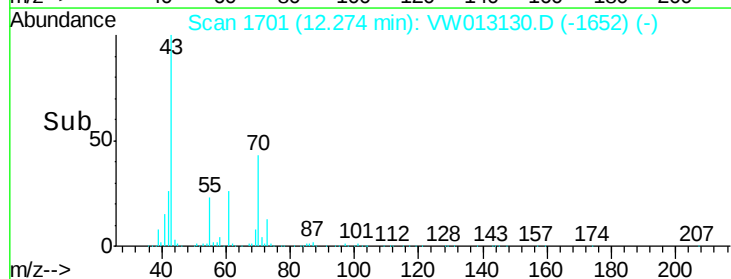
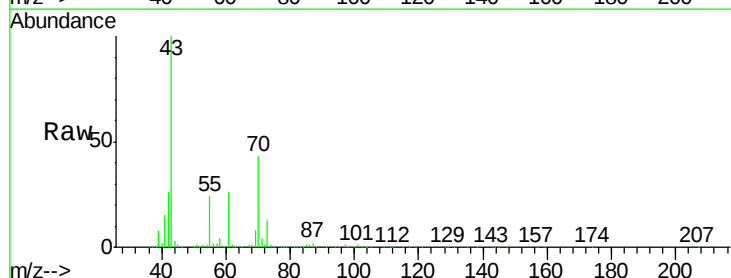
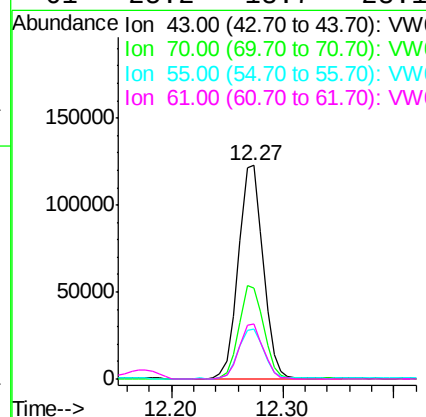
Manual Integrations
APPROVED

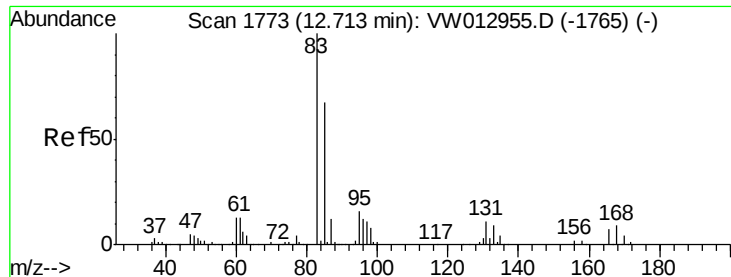
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#74
N-ethyl acetate
Concen: 53.323 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion: 43 Resp: 190336
Ion Ratio Lower Upper
43 100
70 43.5 31.7 47.5
55 23.8 19.4 29.2
61 25.2 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 57.960 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

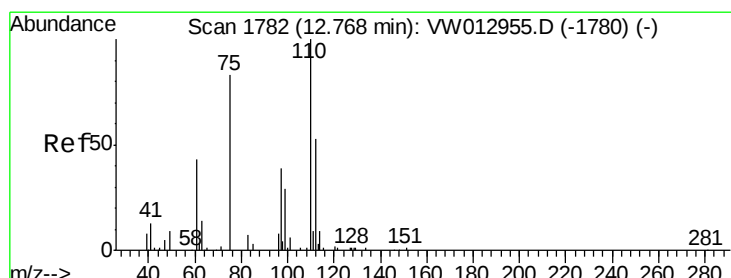
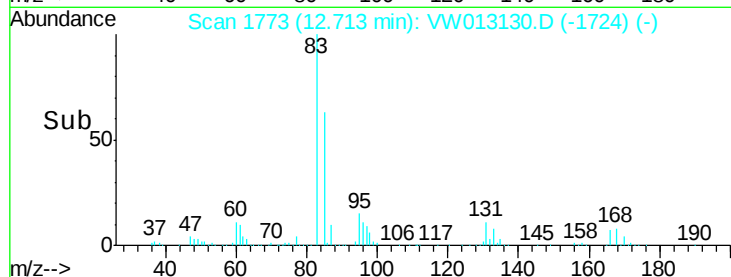
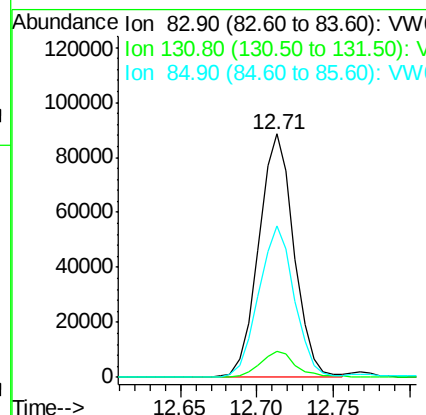
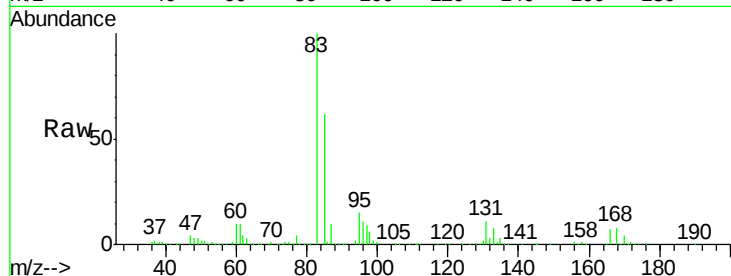
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	141256
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.7	17.1
85	63.5	31.4	94.3

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9/19/2019 11:21:57 AM



#76

1,2,3-Trichloropropane

Concen: 57.888 ug/l m

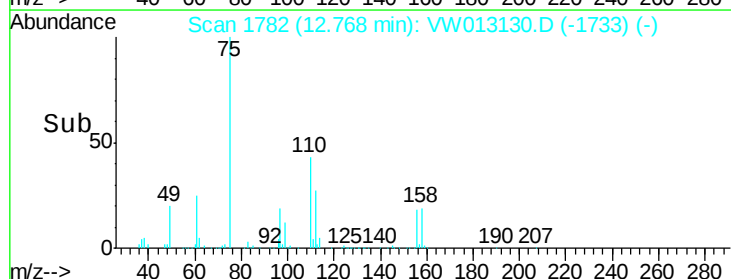
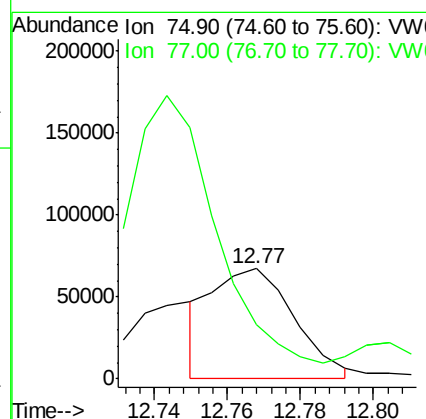
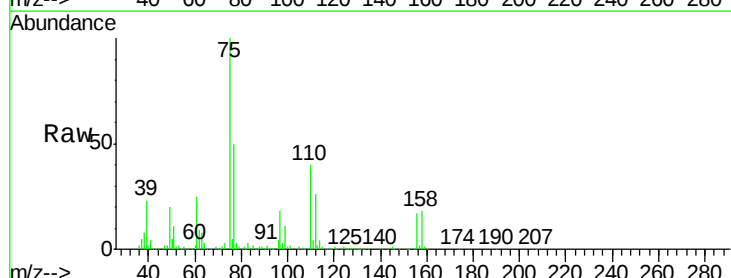
RT: 12.77 min Scan# 1782

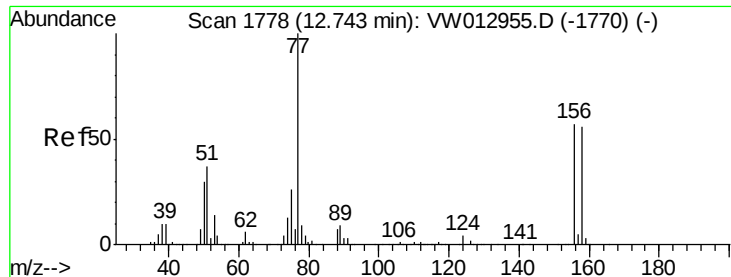
Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Tgt Ion:	75	Resp:	106149
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 55.986 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 178968

Ion Ratio Lower Upper

156 100

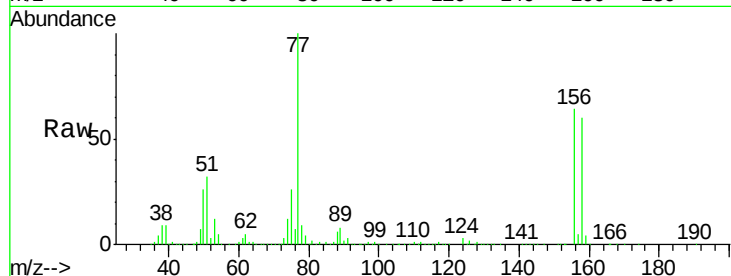
77 177.0 95.2 285.6

158 95.7 49.0 147.2

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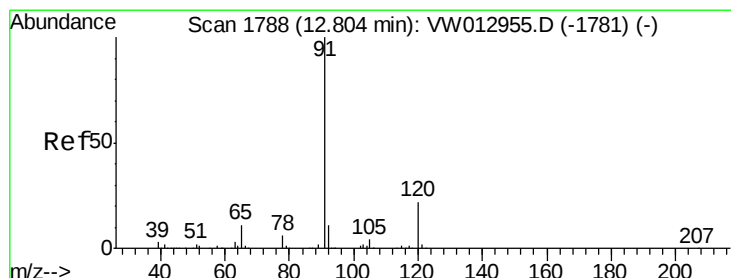
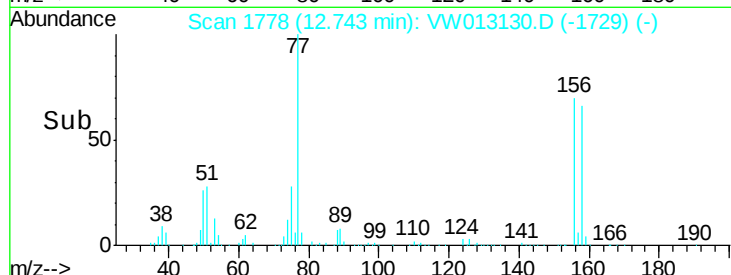
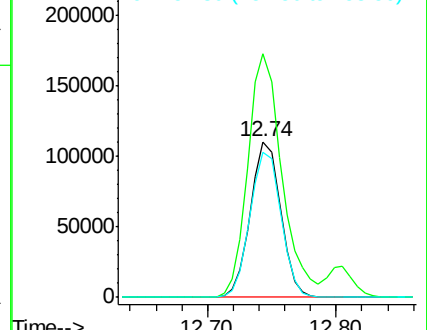
9/19/2019 11:21:57 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.629 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013130.D

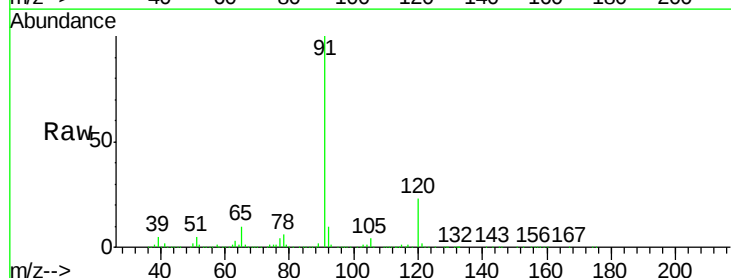
Acq: 18 Sep 2019 22:55

Tgt Ion: 91 Resp: 842699

Ion Ratio Lower Upper

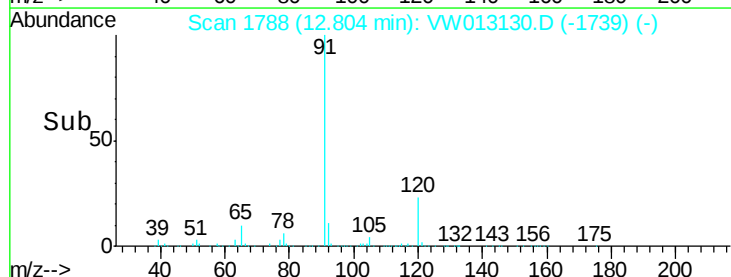
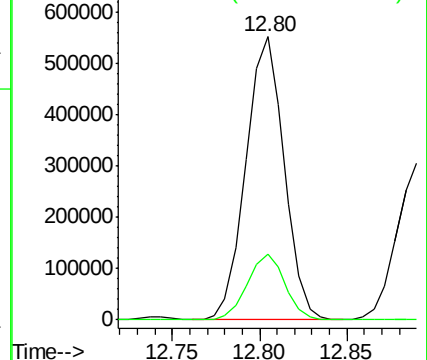
91 100

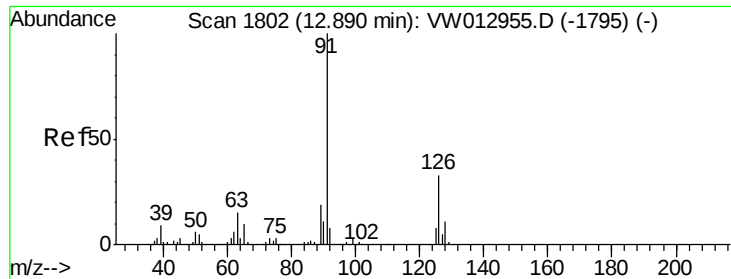
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.099 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013130.D

Acq: 18 Sep 2019 22:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 488842

Ion Ratio Lower Upper

91 100

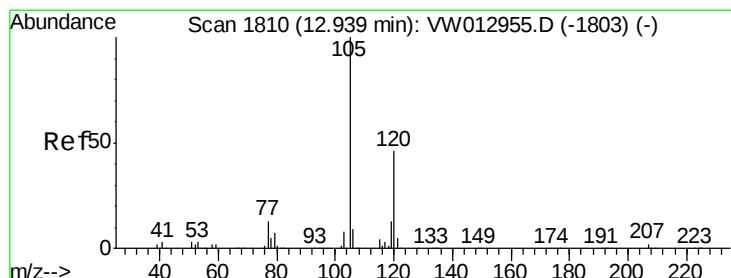
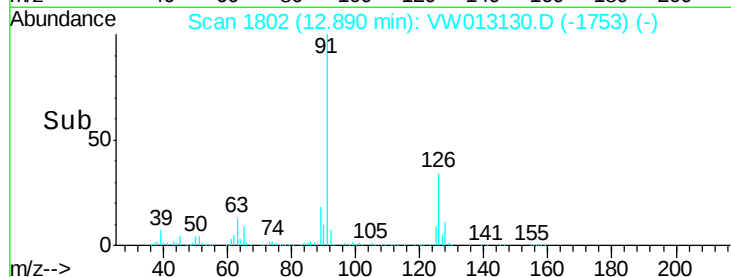
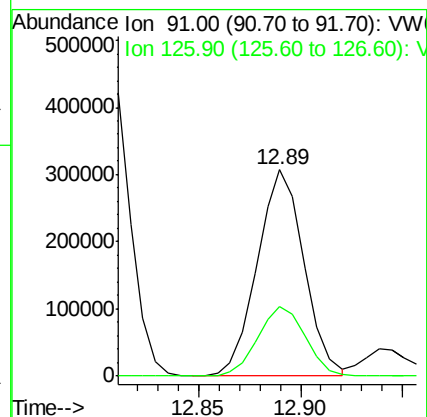
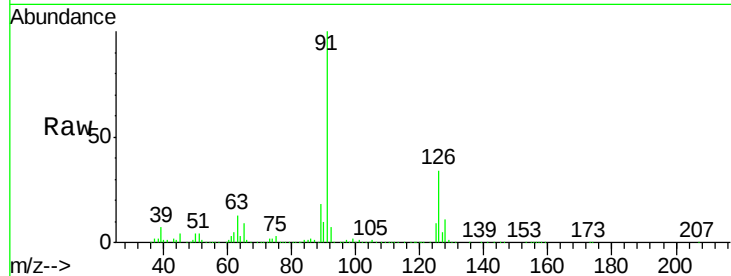
126 34.4 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 52.542 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013130.D

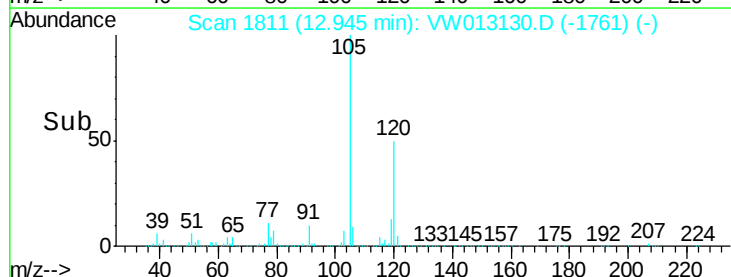
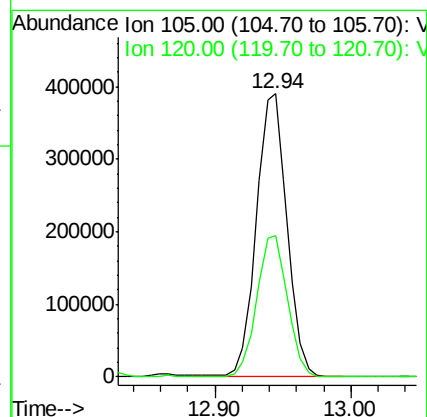
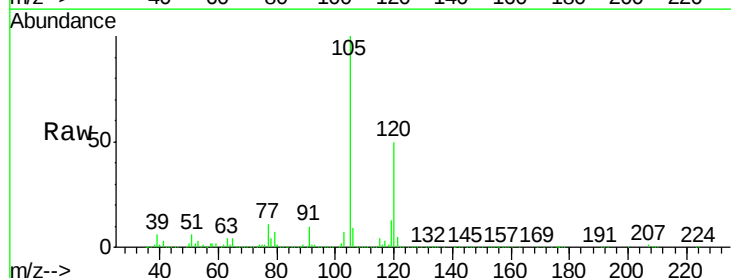
Acq: 18 Sep 2019 22:55

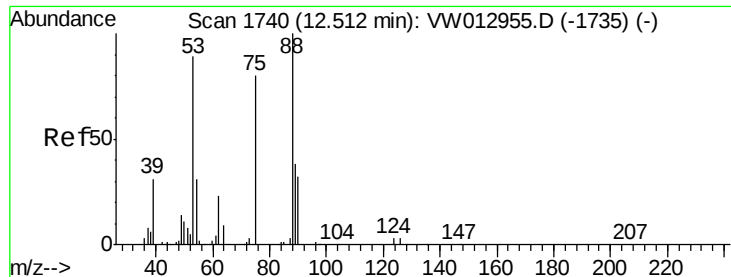
Tgt Ion: 105 Resp: 616787

Ion Ratio Lower Upper

105 100

120 50.2 24.2 72.6





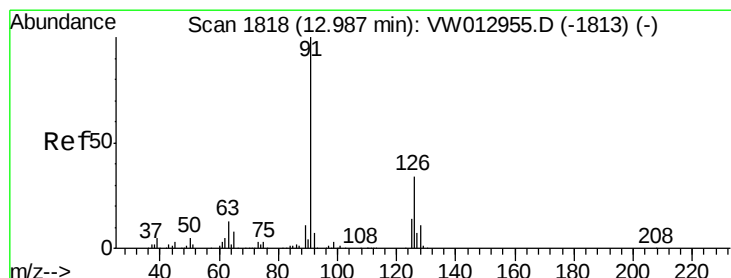
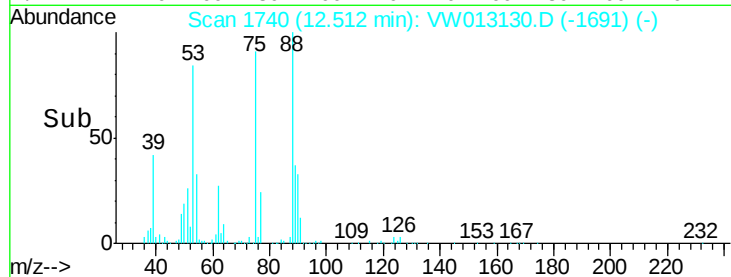
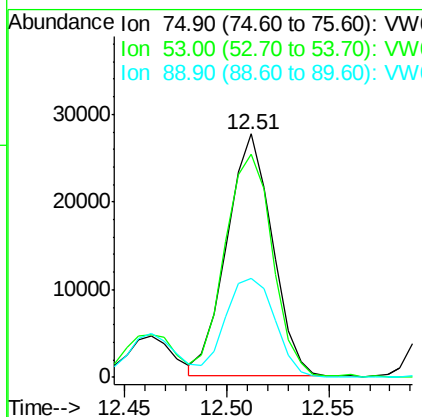
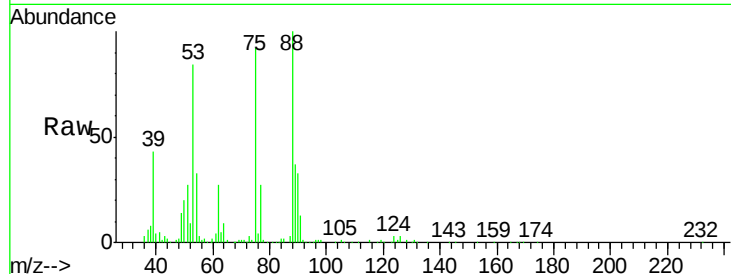
#81
trans-1,4-Dichloro-2-butene
Concen: 53.097 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	85.6	128.4
89	44.5	37.2	55.8

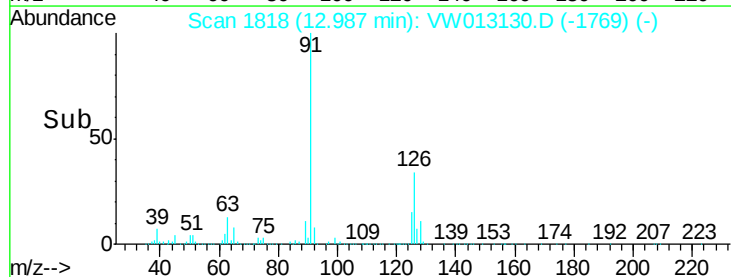
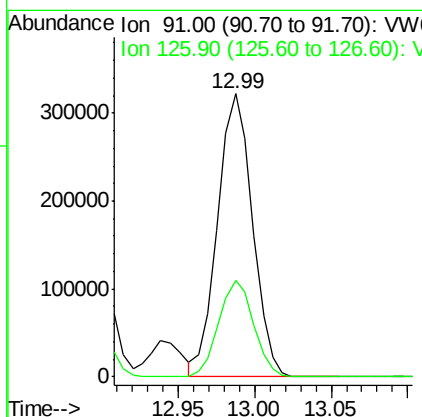
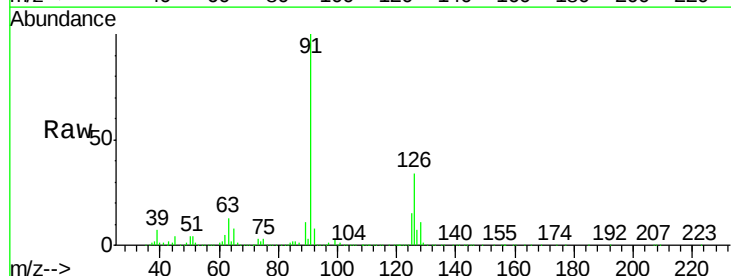
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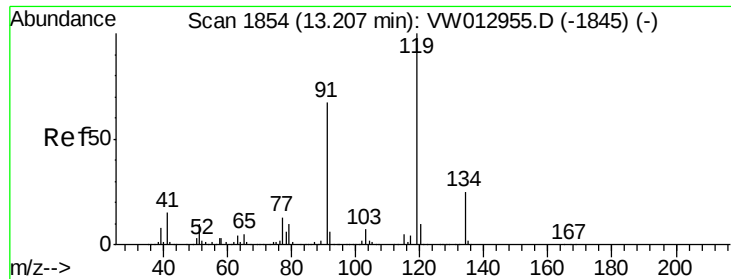
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#82
4-Chlorotoluene
Concen: 51.293 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.1	48.3





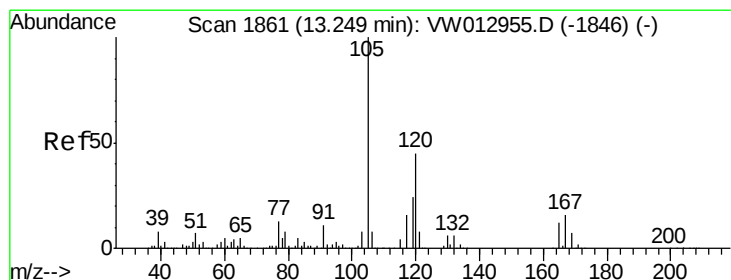
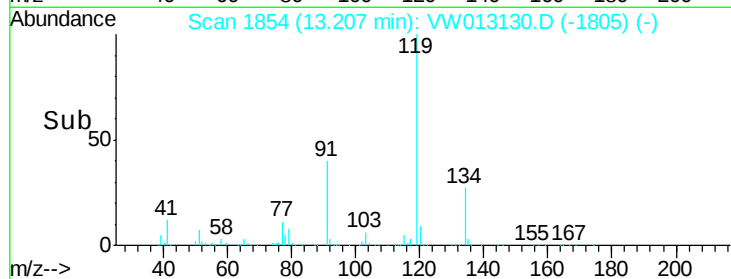
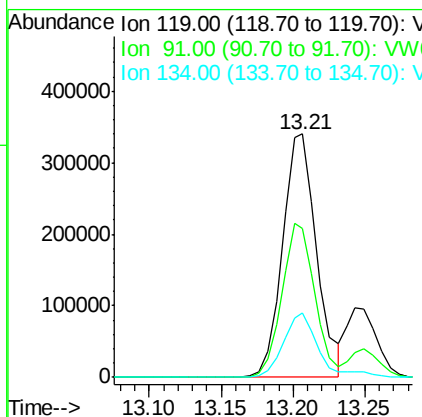
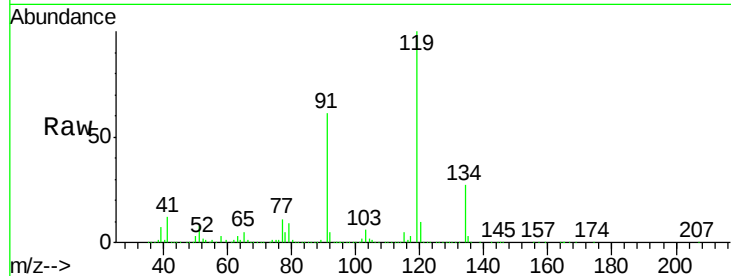
#83
tert-Butylbenzene
Concen: 53.532 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	562094		
91	61.3		32.6	98.0
134	27.2		12.4	37.4

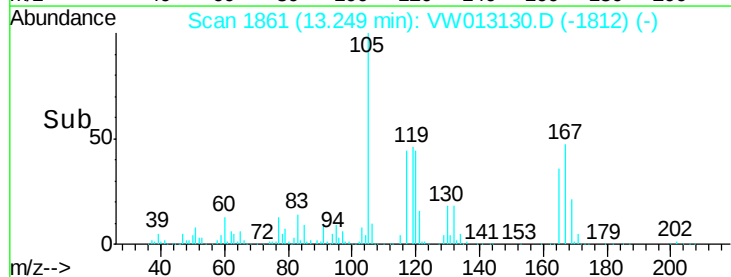
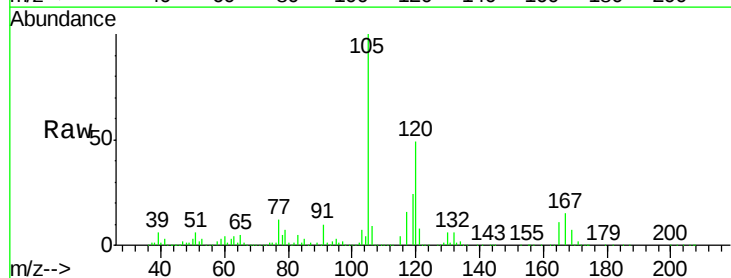
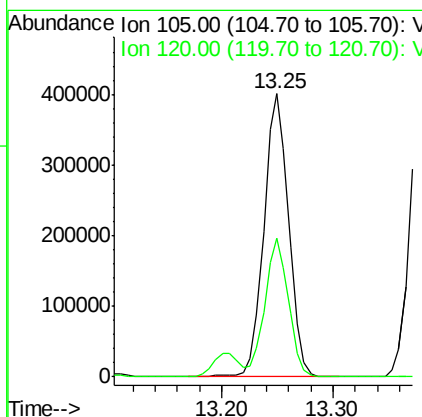
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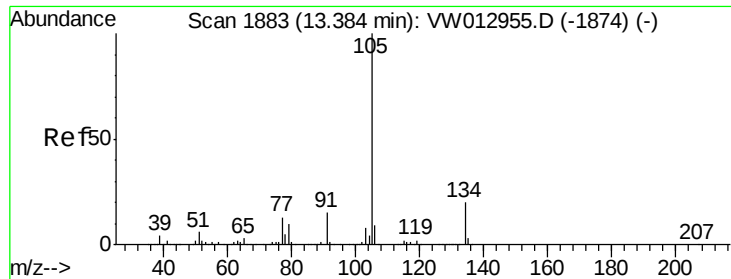
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#84
1,2,4-Trimethylbenzene
Concen: 53.329 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	618626		
120	47.2		21.9	65.7





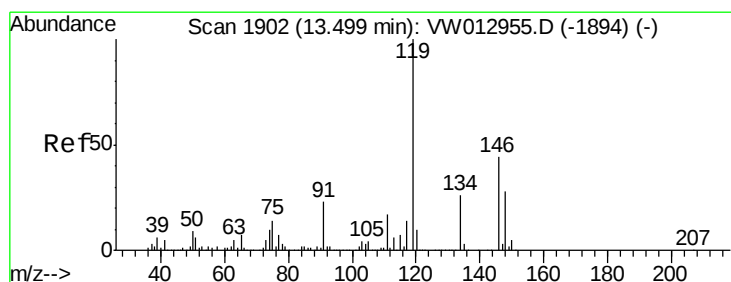
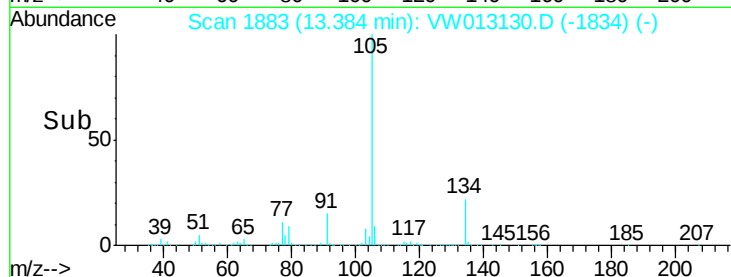
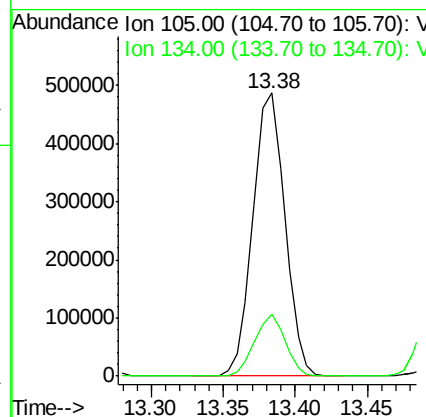
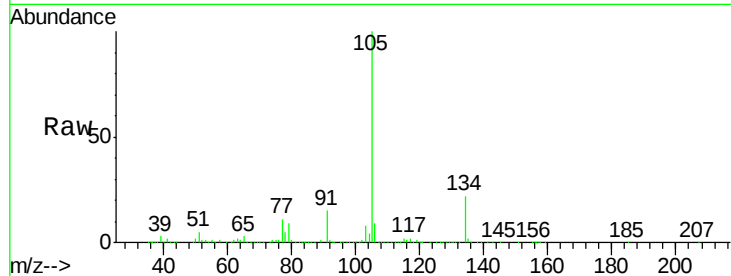
#85
 sec-Butylbenzene
 Concen: 52.175 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.2	30.4

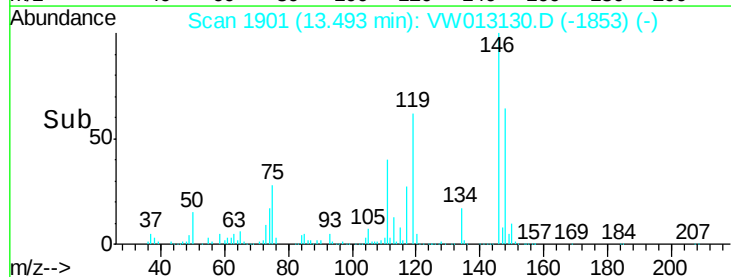
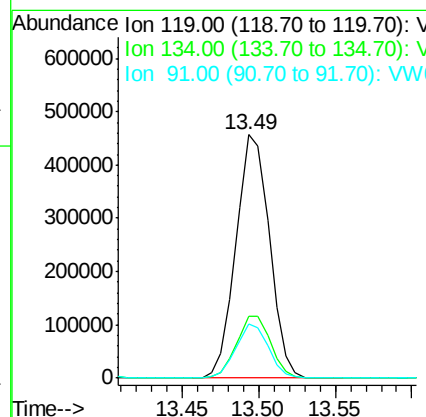
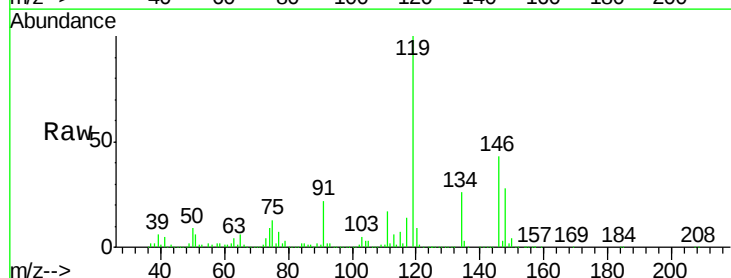
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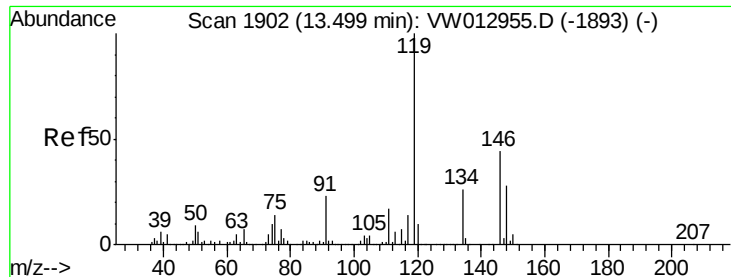
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#86
 p-Isopropyltoluene
 Concen: 52.924 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.3
91	21.7	11.8	35.4





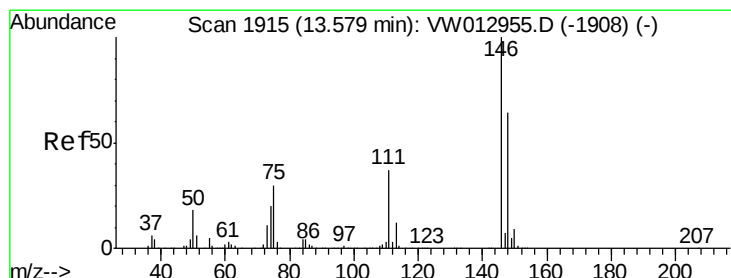
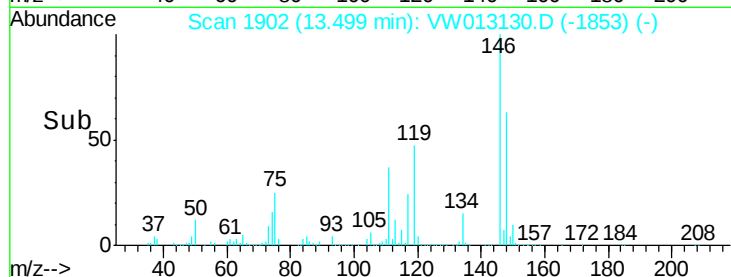
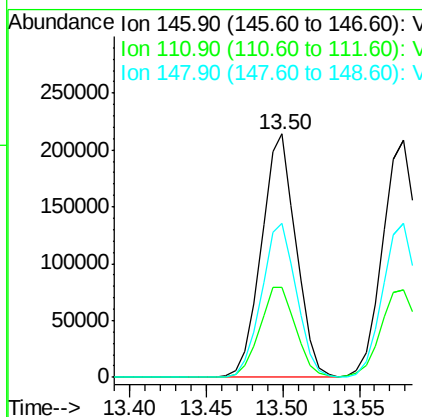
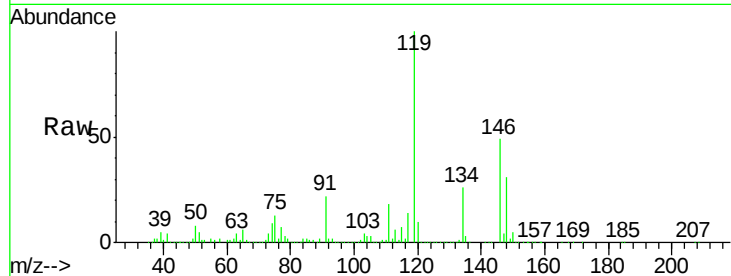
#87
 1,3-Dichlorobenzene
 Concen: 53.316 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	337390		
111	38.6	19.8	59.4	
148	63.9	31.9	95.7	

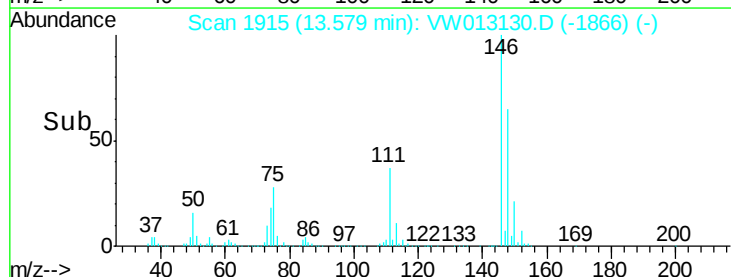
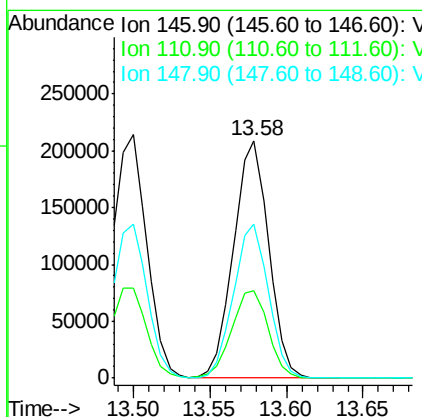
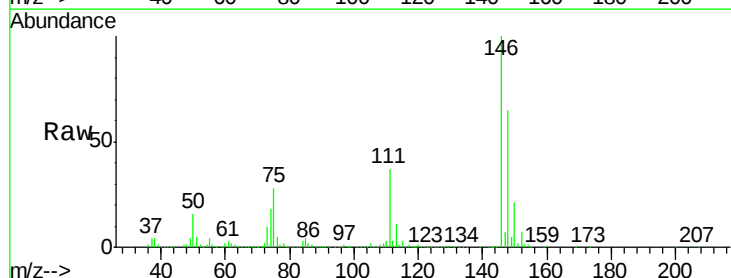
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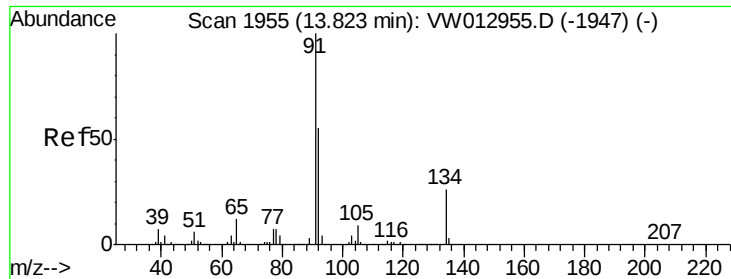
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#88
 1,4-Dichlorobenzene
 Concen: 53.453 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	332403		
111	37.9	19.4	58.2	
148	64.4	31.9	95.5	





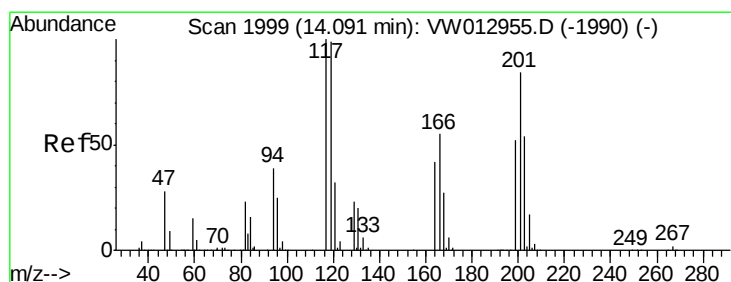
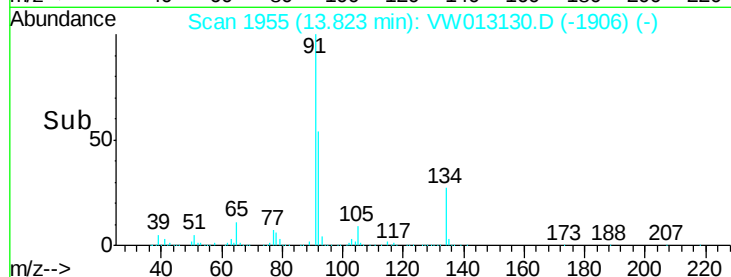
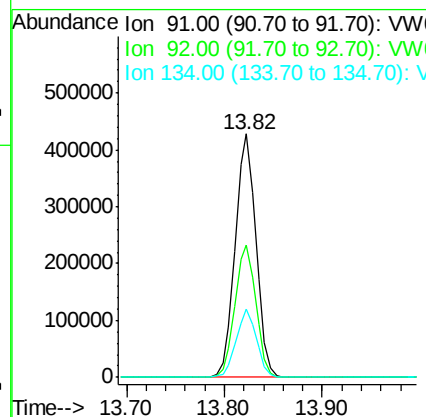
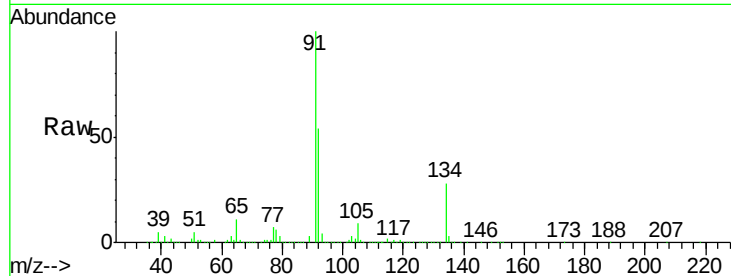
#89
n-Butylbenzene
Concen: 50.853 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.5
134	27.4	13.1	39.1

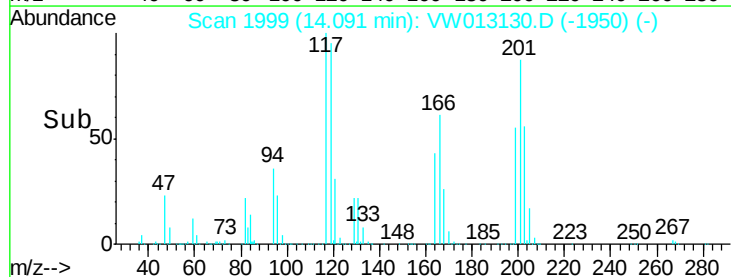
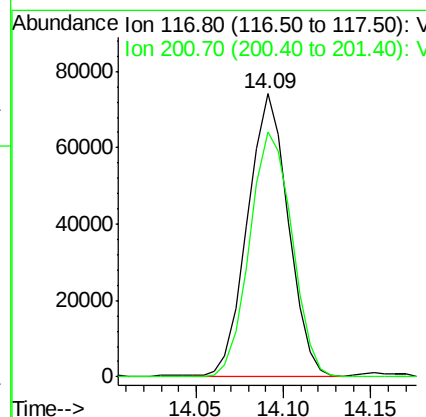
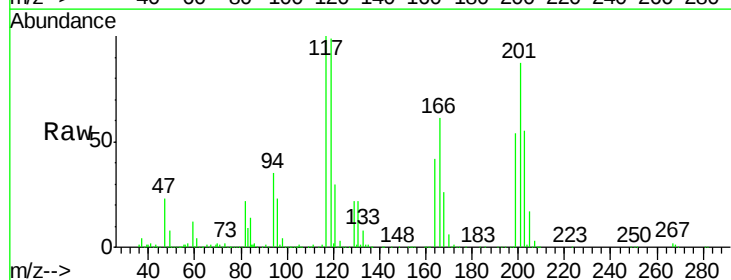
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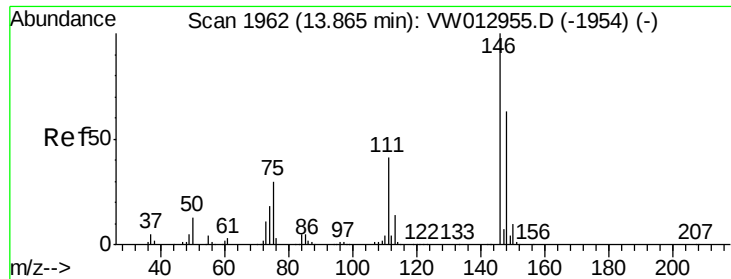
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#90
Hexachloroethane
Concen: 50.700 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	45.3	135.9





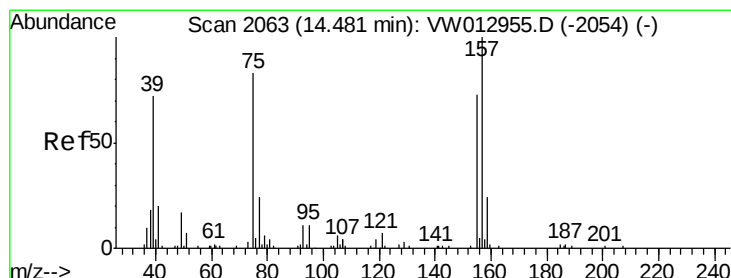
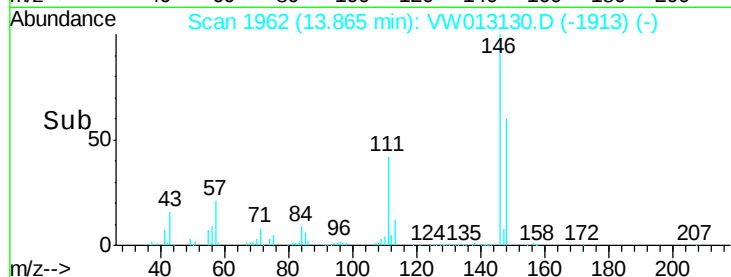
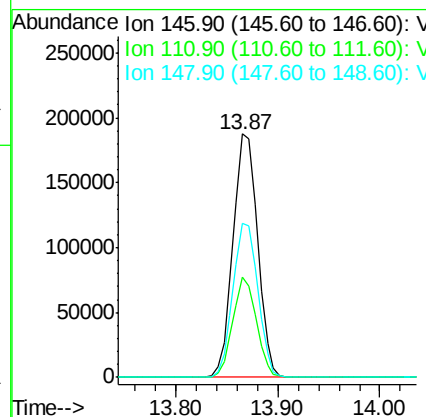
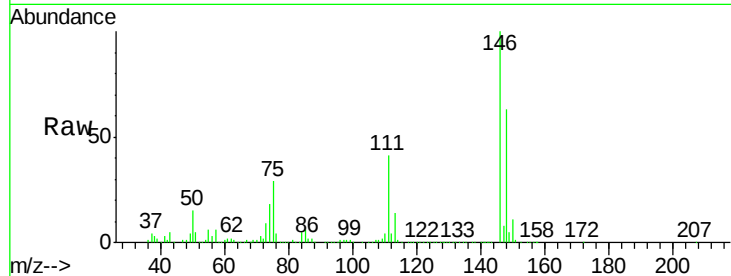
#91
 1,2-Dichlorobenzene
 Concen: 56.082 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	312093		
111	39.5	20.8	62.5	
148	63.9	32.7	98.1	

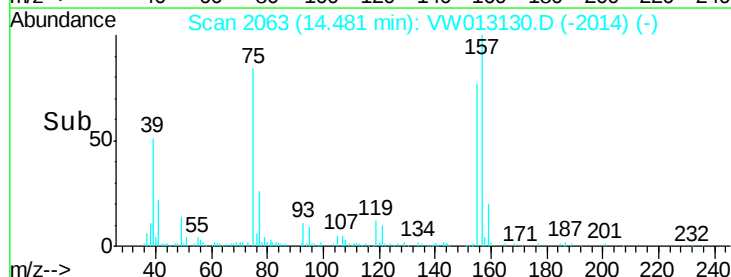
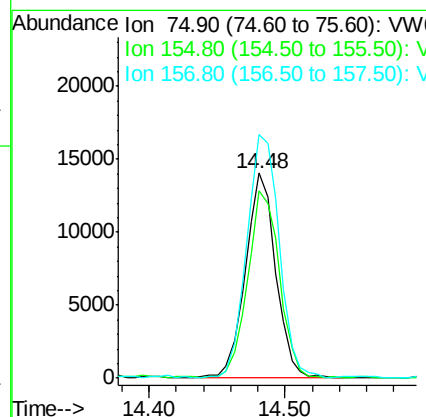
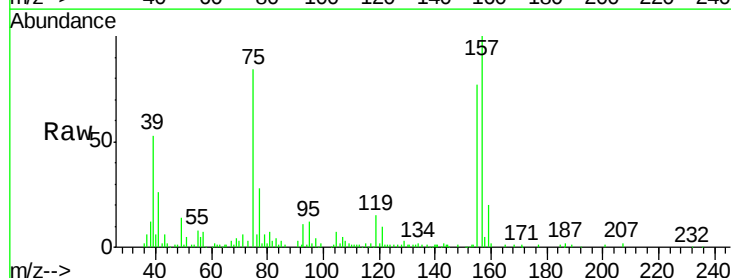
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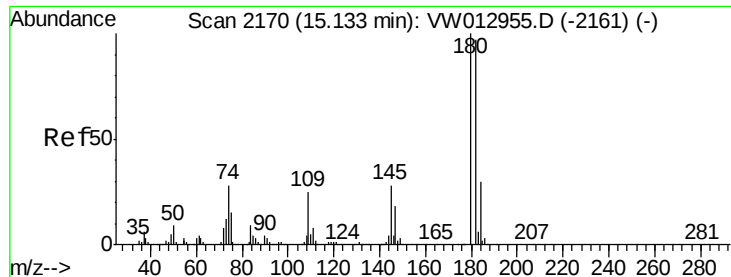
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.173 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21936		
155	95.8	43.3	129.9	
157	127.7	54.7	164.1	





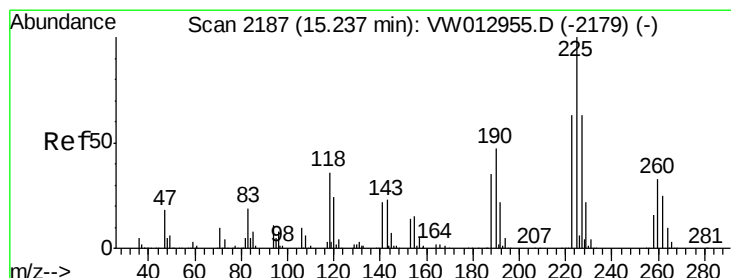
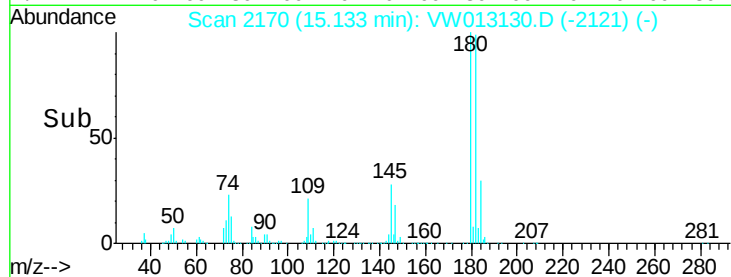
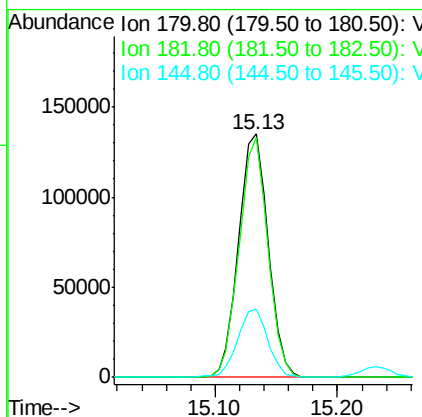
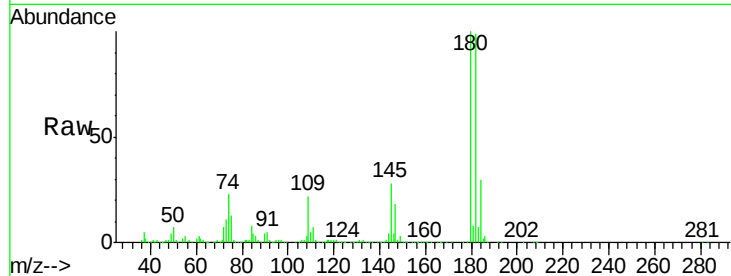
#93
 1,2,4-Trichlorobenzene
 Concen: 57.226 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	227117		
182	95.1	47.4	142.2	
145	28.2	14.9	44.7	

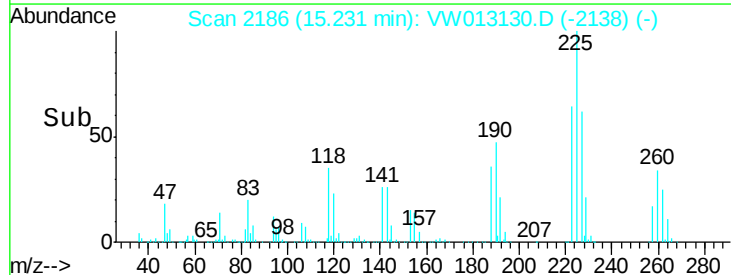
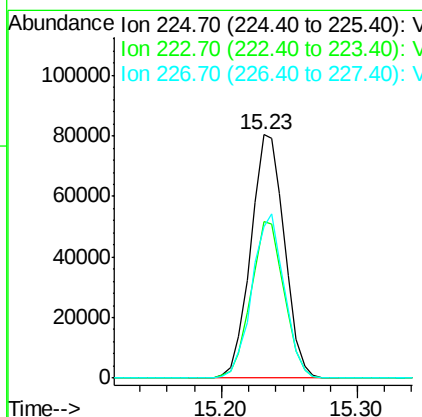
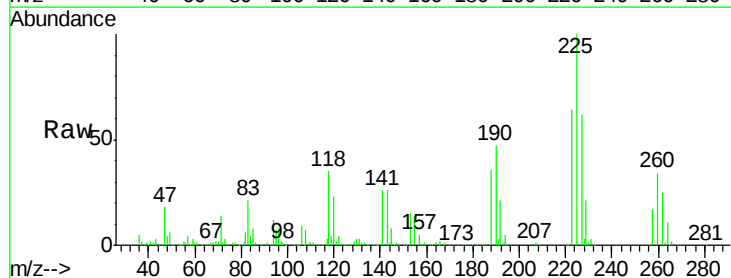
Manual Integrations
 APPROVED

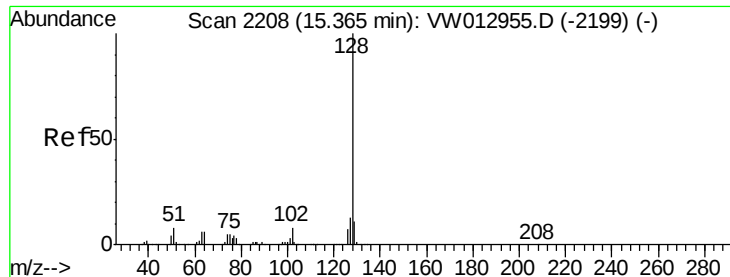
MMDadoda
 9/19/2019 11:21:57 AM



#94
 Hexachlorobutadiene
 Concen: 49.646 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013130.D
 Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	139482		
223	63.5	31.8	95.3	
227	64.7	31.3	93.8	





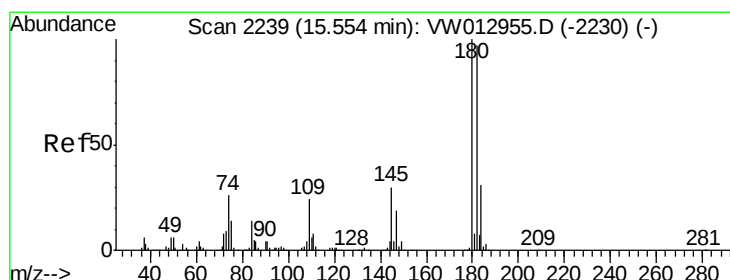
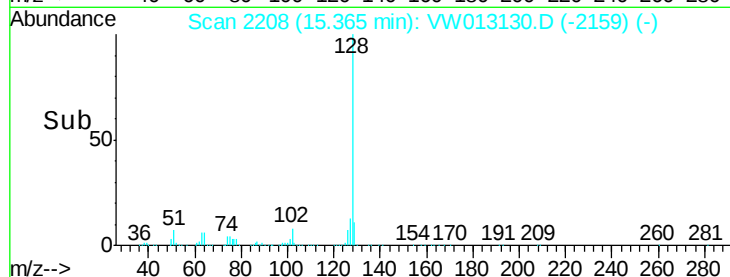
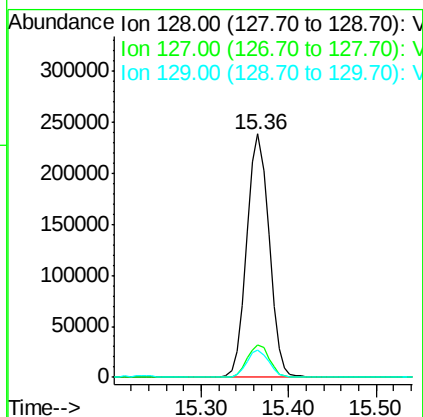
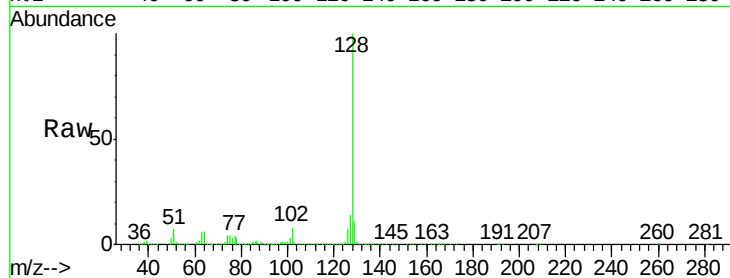
#95
Naphthalene
Concen: 63.786 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	422984		
127	13.6	11.0	16.6	
129	10.9	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/19/2019 11:21:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 57.336 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013130.D
Acq: 18 Sep 2019 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	201150		
182	97.2	47.6	142.8	
145	31.0	15.4	46.2	

