

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013029.D
 Acq On : 15 Sep 2019 08:19
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:58 AM

Quant Time: Sep 16 09:42:12 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	294562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	149702	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.88	113	132045	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.32	98	521390	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	191389	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55242	48.898	ug/l	94
3) Chloromethane	2.21	50	76385	54.307	ug/l	93
4) Vinyl Chloride	2.36	62	98706	46.816	ug/l	98
5) Bromomethane	2.77	94	58965	45.796	ug/l	92
6) Chloroethane	2.91	64	64616	49.969	ug/l	95
7) Trichlorofluoromethane	3.25	101	61930	42.004	ug/l	95
8) Diethyl Ether	3.68	74	63178	54.878	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104520	46.741	ug/l	99
10) Methyl Iodide	4.26	142	147646	52.758	ug/l	99
11) Tert butyl alcohol	5.19	59	56431	312.652	ug/l	99
12) 1,1-Dichloroethene	4.03	96	98844	48.614	ug/l	98
13) Acrolein	3.89	56	41279	204.551	ug/l	97
14) Allyl chloride	4.66	41	204262	52.918	ug/l	97
15) Acrylonitrile	5.36	53	178956	304.351	ug/l	99
16) Acetone	4.13	43	135912	228.560	ug/l	99
17) Carbon Disulfide	4.38	76	185426	45.763	ug/l	97
18) Methyl Acetate	4.67	43	102523	66.147	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	243464	60.661	ug/l	95
20) Methylene Chloride	4.92	84	129545	59.976	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	115427	53.005	ug/l	96
22) Diisopropyl ether	6.31	45	487012	60.734	ug/l	98
23) Vinyl Acetate	6.25	43	1367671	284.766	ug/l	100
24) 1,1-Dichloroethane	6.21	63	252964	54.714	ug/l	99
25) 2-Butanone	7.17	43	246845	285.353	ug/l	100
26) 2,2-Dichloropropane	7.16	77	129761	43.676	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	147193	56.458	ug/l	97
28) Bromochloromethane	7.51	49	118083	60.680	ug/l #	97
29) Tetrahydrofuran	7.52	42	161757	328.180	ug/l	98
30) Chloroform	7.67	83	251727	53.585	ug/l	100
31) Cyclohexane	7.95	56	187782	54.488	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	200060	51.713	ug/l	99
36) 1,1-Dichloropropene	8.08	75	179104	48.898	ug/l	99
37) Ethyl Acetate	7.25	43	110911	57.048	ug/l	99
38) Carbon Tetrachloride	8.07	117	178991	47.686	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	182932	45.578	ug/l	95
40) Benzene	8.32	78	514260	50.293	ug/l	100
41) Methacrylonitrile	7.48	41	70753	55.263	ug/l	97
42) 1,2-Dichloroethane	8.40	62	172558	50.342	ug/l	99
43) Isopropyl Acetate	8.42	43	211646	56.698	ug/l	99
44) Trichloroethene	9.09	130	140310	50.096	ug/l	90
45) 1,2-Dichloropropane	9.37	63	146199	53.815	ug/l	100
46) Dibromomethane	9.46	93	70704	54.322	ug/l	99
47) Bromodichloromethane	9.64	83	195049	53.425	ug/l	99
48) Methyl methacrylate	9.43	41	103486	59.071	ug/l	97
49) 1,4-Dioxane	9.46	88	24912	1142.259	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	581211	301.584	ug/l	100
52) Toluene	10.38	92	342867	52.769	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	185587	50.544	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	217014	51.655	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	110577	55.768	ug/l	98
56) Ethyl methacrylate	10.65	69	155607	58.304	ug/l	98
57) 1,3-Dichloropropane	10.93	76	195917	55.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	398362	278.248	ug/l	99
59) 2-Hexanone	10.97	43	388186	289.276	ug/l	99
60) Dibromochloromethane	11.13	129	128905	53.773	ug/l	97
61) 1,2-Dibromoethane	11.23	107	102268	56.540	ug/l	99
64) Tetrachloroethene	10.86	164	136277	56.034	ug/l	99
65) Chlorobenzene	11.66	112	380725	52.284	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	144681	51.847	ug/l	99
67) Ethyl Benzene	11.73	91	693629	51.576	ug/l	99
68) m/p-Xylenes	11.83	106	515632	104.953	ug/l	100
69) o-Xylene	12.16	106	238195	51.714	ug/l	99
70) Styrene	12.18	104	431735	52.691	ug/l	99
71) Bromoform	12.35	173	80248	54.748	ug/l #	99
73) Isopropylbenzene	12.46	105	674926	50.359	ug/l	100
74) N-amyl acetate	12.27	43	200077	58.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	133267	56.614	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	105675m	59.666	ug/l	
77) Bromobenzene	12.74	156	166522	53.933	ug/l	98
78) n-propylbenzene	12.80	91	795610	50.466	ug/l	100
79) 2-Chlorotoluene	12.89	91	473509	52.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	587775	51.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37747	48.347	ug/l	99
82) 4-Chlorotoluene	12.99	91	501287	52.424	ug/l	99
83) tert-Butylbenzene	13.21	119	498727	49.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	559807	49.964	ug/l	99
85) sec-Butylbenzene	13.38	105	675405	48.880	ug/l	99
86) p-Isopropyltoluene	13.49	119	634966	50.052	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	308099	50.408	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	309669	51.557	ug/l	99
89) n-Butylbenzene	13.82	91	611108	51.078	ug/l	100
90) Hexachloroethane	14.09	117	112886	49.655	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	290162	53.983	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23721	55.053	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	209193	54.573	ug/l	99
94) Hexachlorobutadiene	15.24	225	129913	47.874	ug/l	98
95) Naphthalene	15.36	128	388513	60.658	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	185286	54.680	ug/l	100

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

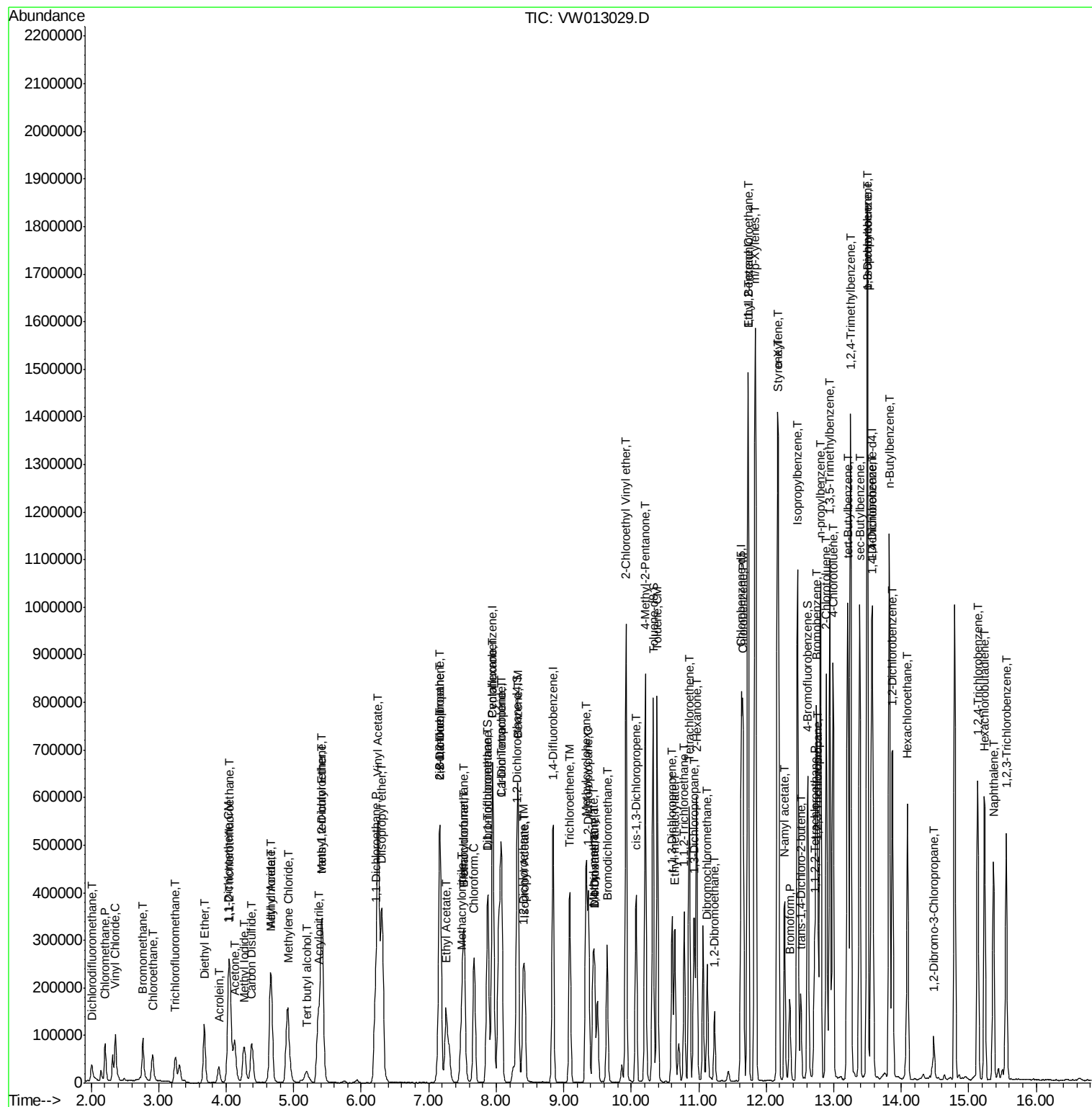
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
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 Acd On : 15 Sep 2019 08:19
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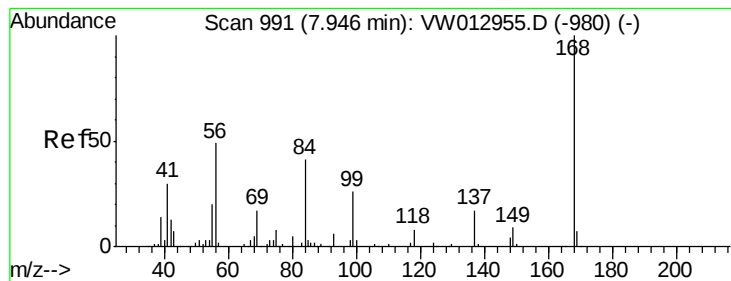
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 294562

Ion Ratio Lower Upper

168 100

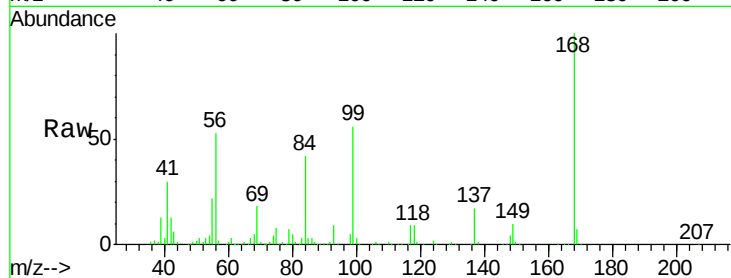
99 56.0 46.2 69.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

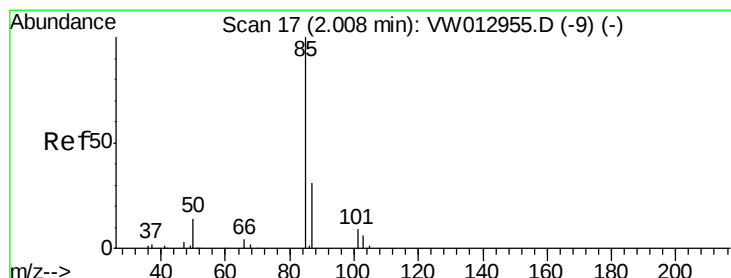
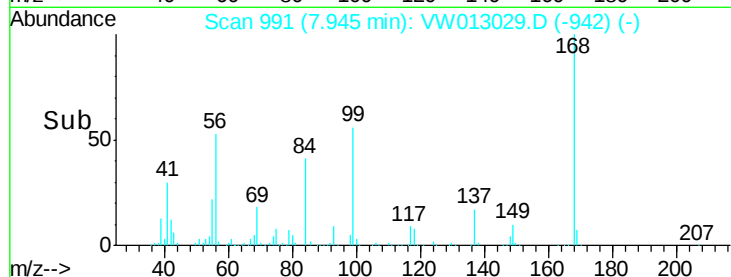
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.898 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013029.D

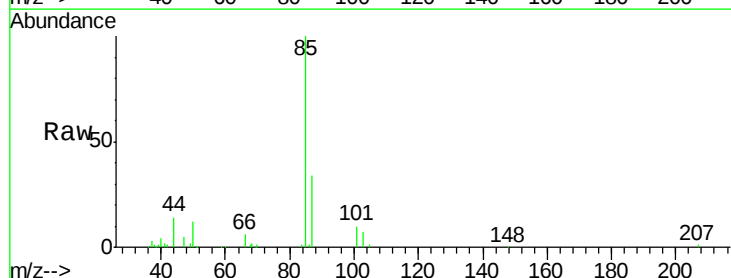
Acq: 15 Sep 2019 08:19

Tgt Ion: 85 Resp: 55242

Ion Ratio Lower Upper

85 100

87 34.1 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

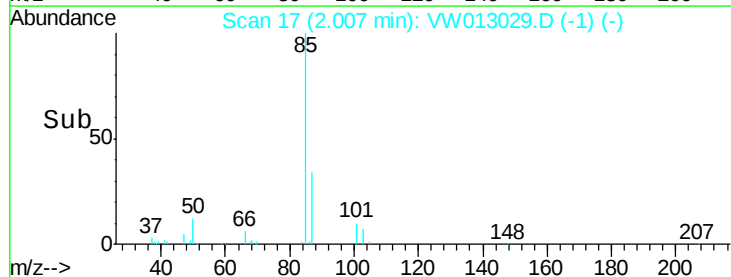
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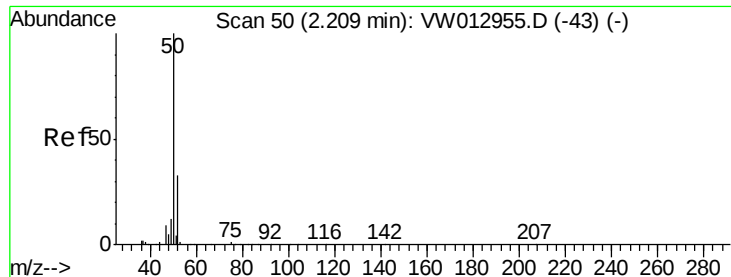
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 54.307 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 76385

Ion Ratio Lower Upper

50 100

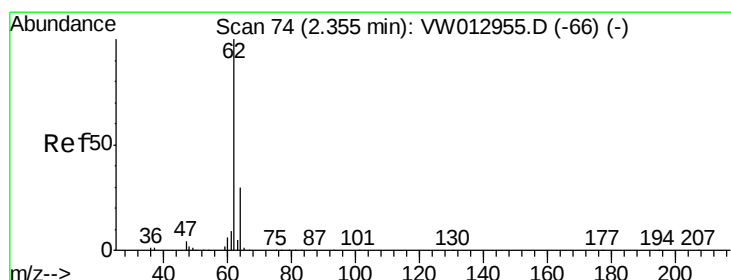
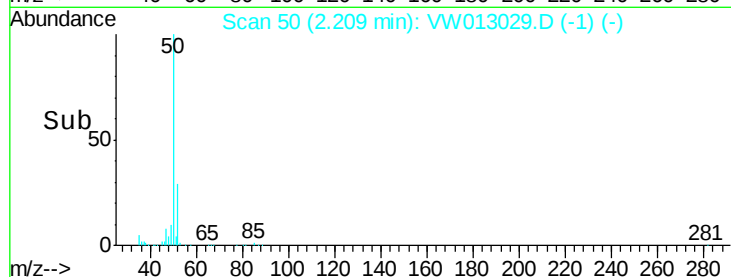
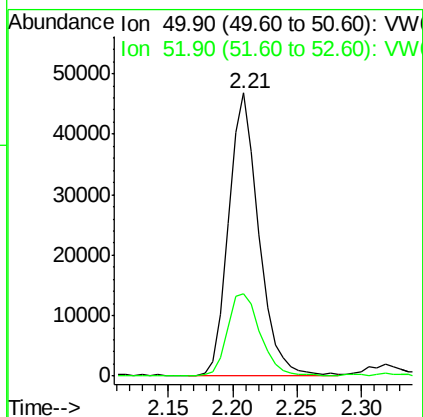
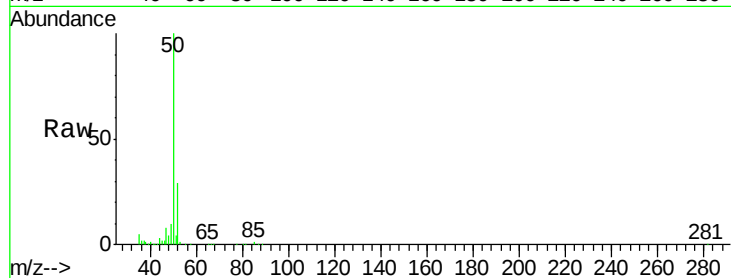
52 29.3 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.816 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013029.D

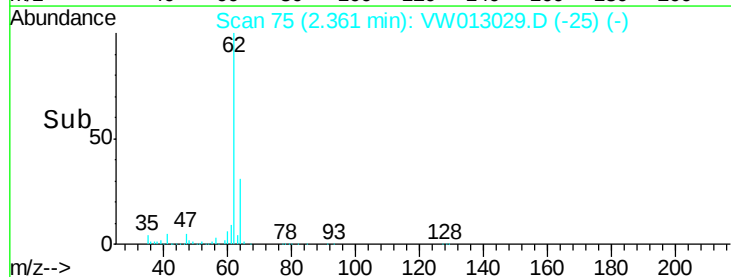
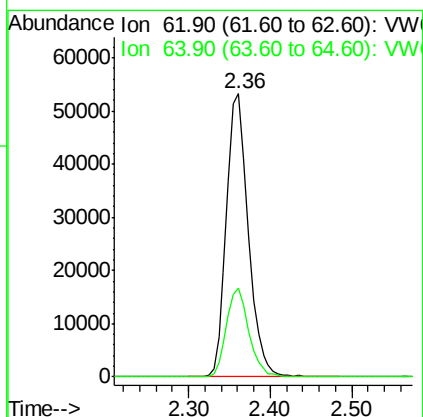
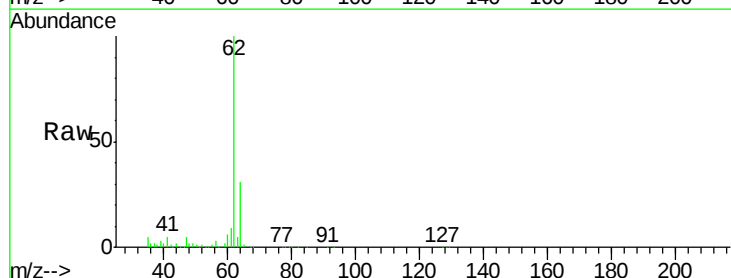
Acq: 15 Sep 2019 08:19

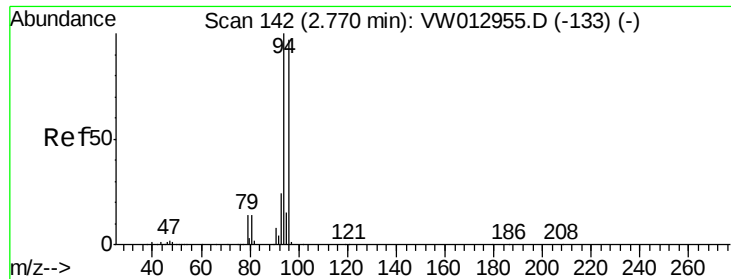
Tgt Ion: 62 Resp: 98706

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 45.796 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 58965

Ion Ratio Lower Upper

94 100

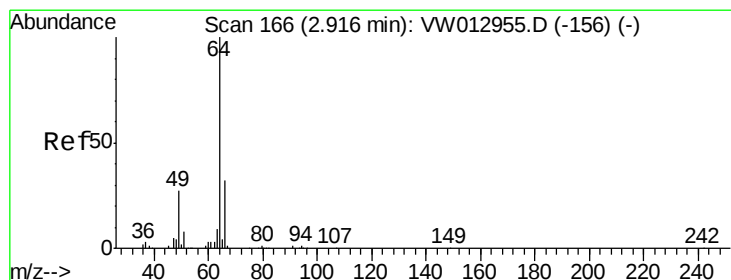
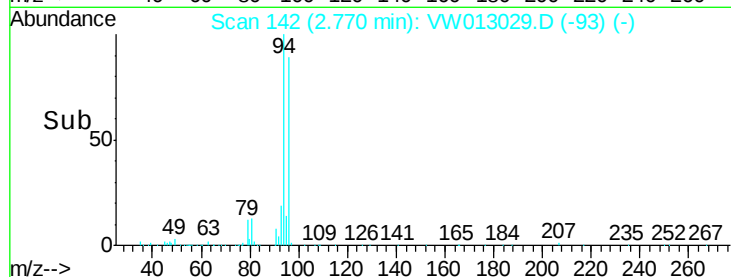
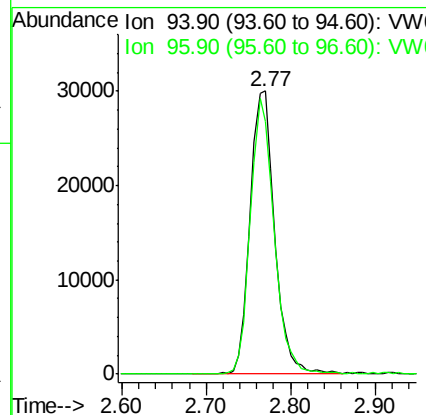
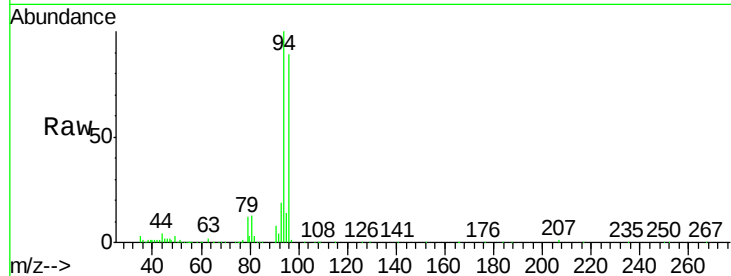
96 89.1 77.8 116.6

Manual Integrations

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#6

Chloroethane

Concen: 49.969 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013029.D

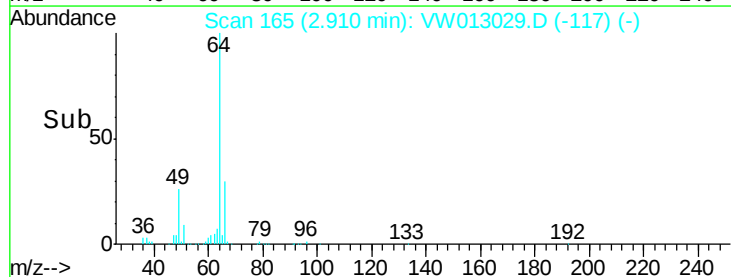
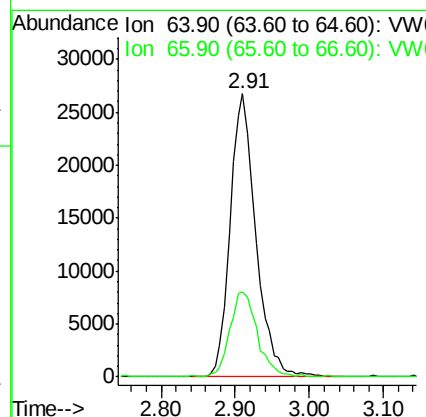
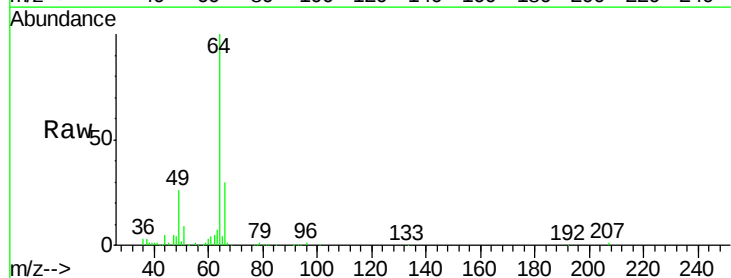
Acq: 15 Sep 2019 08:19

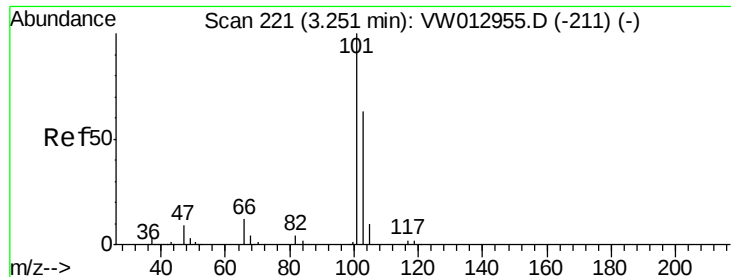
Tgt Ion: 64 Resp: 64616

Ion Ratio Lower Upper

64 100

66 29.5 25.9 38.9





#7

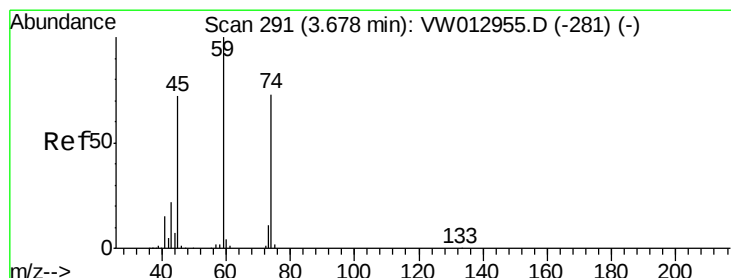
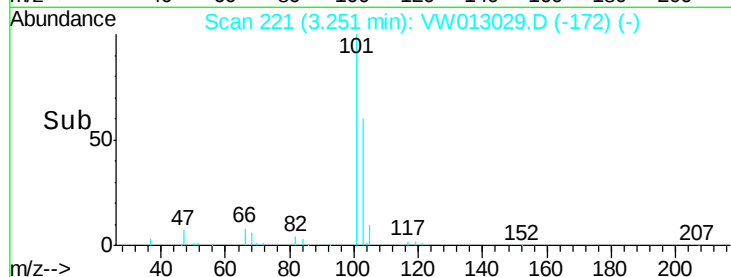
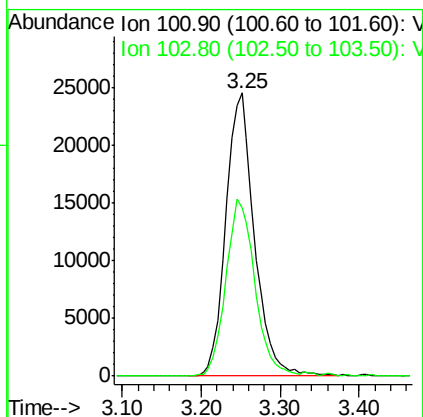
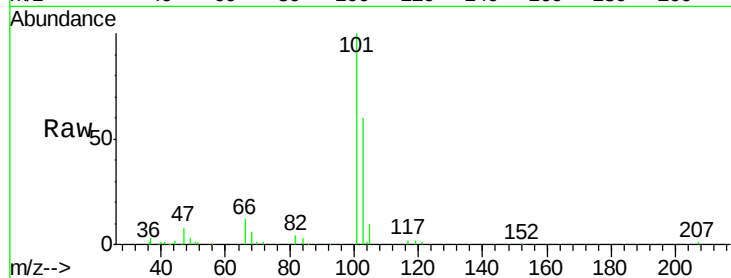
Trichlorofluoromethane
 Concen: 42.004 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		61930		
103	59.6	50.7	76.1		

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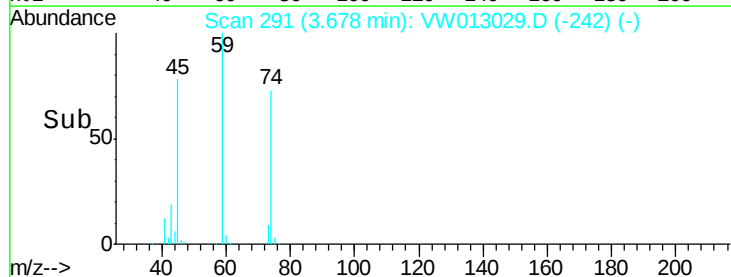
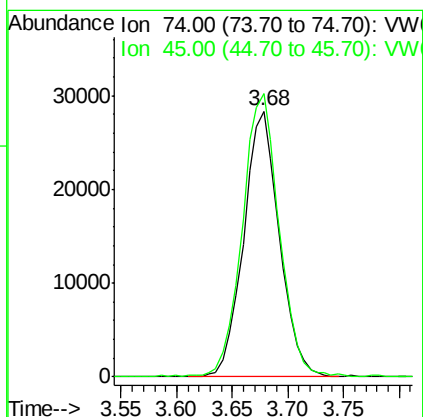
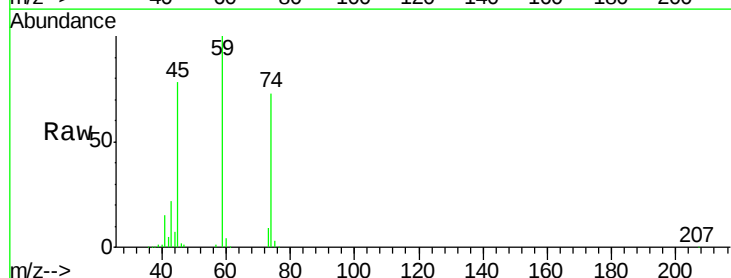
MMDadoda
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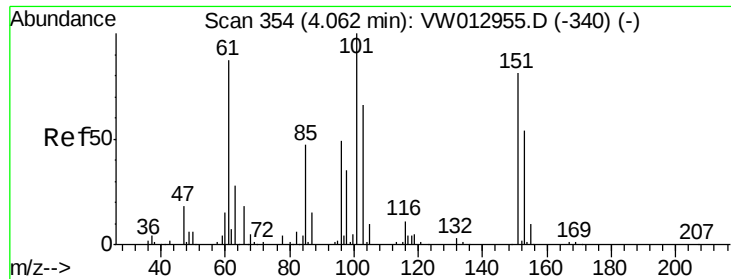


#8

Diethyl Ether
 Concen: 54.878 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		63178		
45	110.4	53.8	161.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.741 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

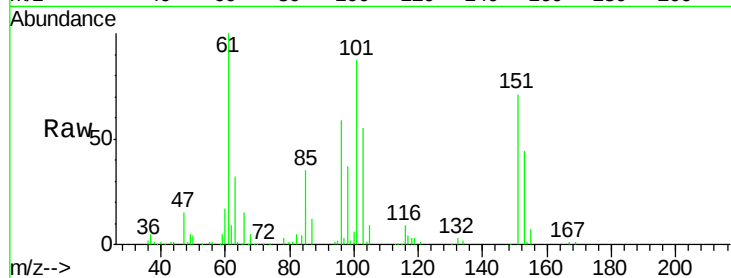
ClientSampleId :

VSTDCCC050EC

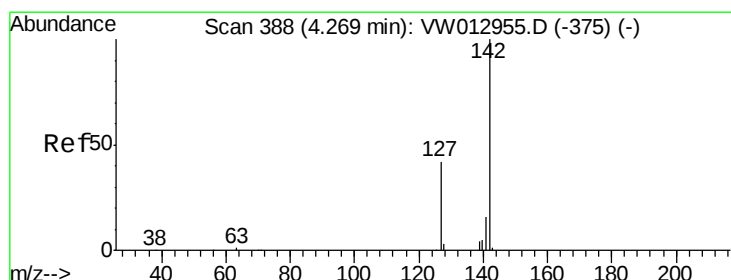
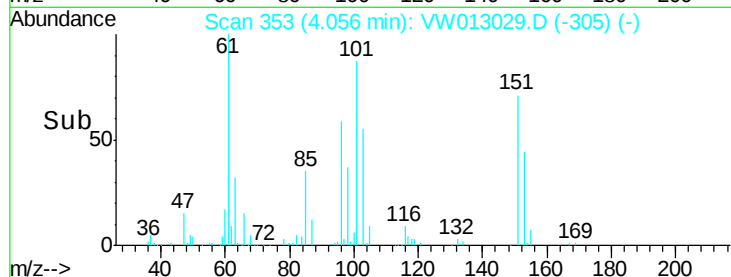
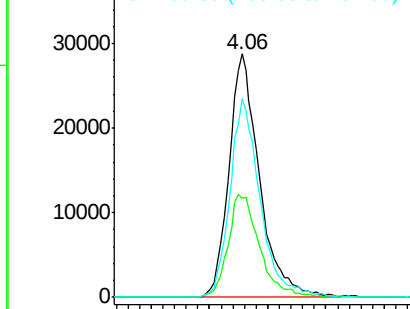
Tot Ion:	101	Resp:	104520
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.9	52.3
151	81.1	66.0	99.0

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.758 ug/l

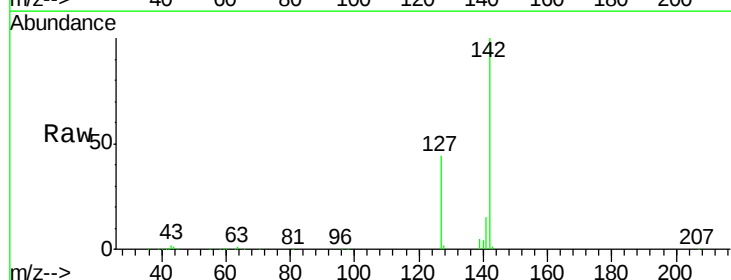
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

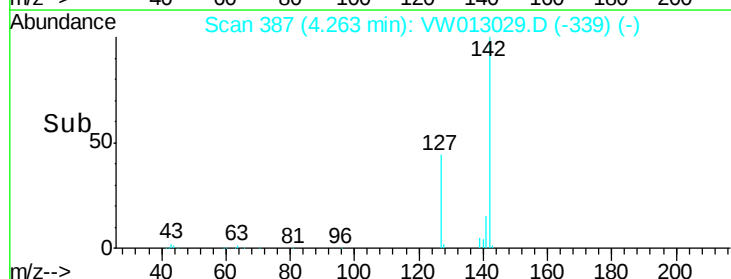
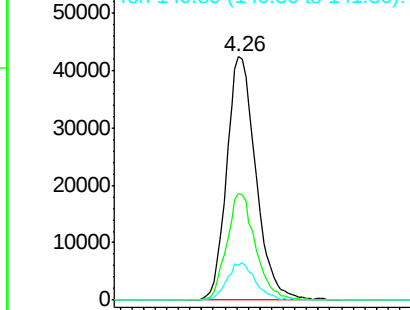
Lab File: VW013029.D

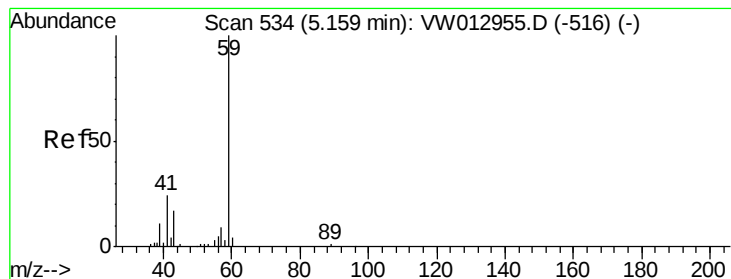
Acq: 15 Sep 2019 08:19

Tgt Ion:	142	Resp:	147646
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.7	52.1
141	15.0	12.2	18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

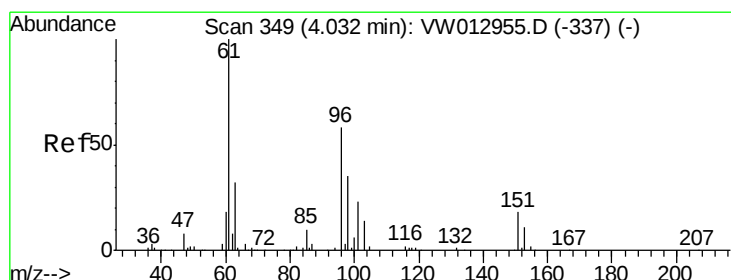
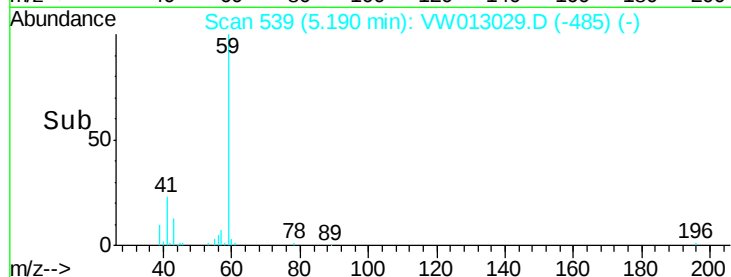
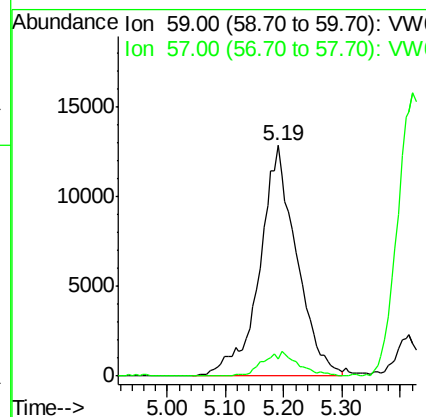
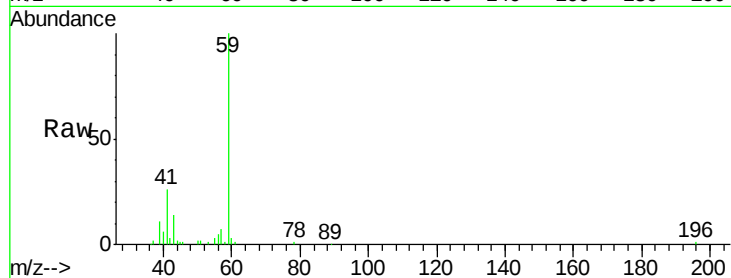
Tert butyl alcohol
Concen: 312.652 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	56431
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

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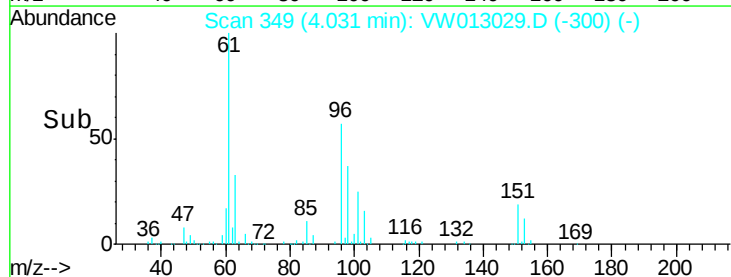
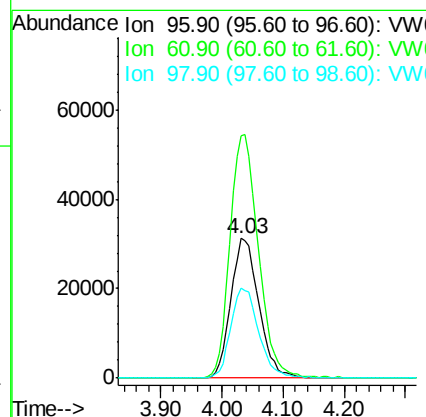
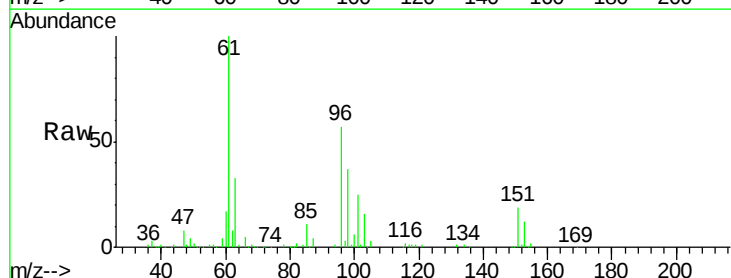
MMDadoda
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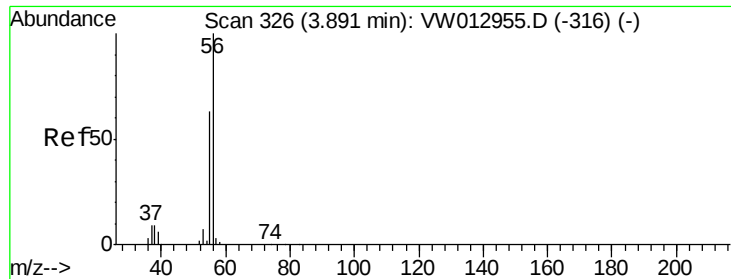


#12

1,1-Dichloroethene
Concen: 48.614 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	96	Resp	98844
Ion Ratio	100	Lower	Upper
61	174.1	137.9	206.9
98	64.6	48.9	73.3





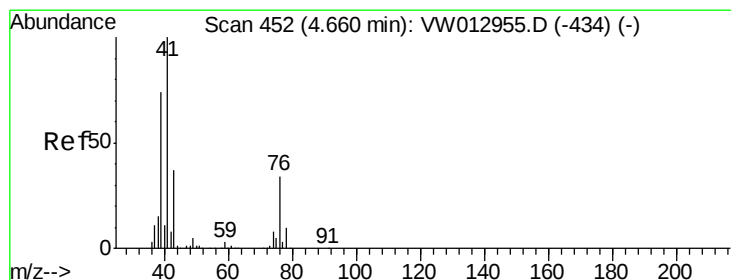
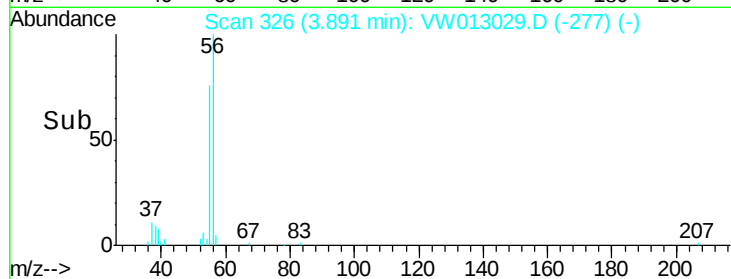
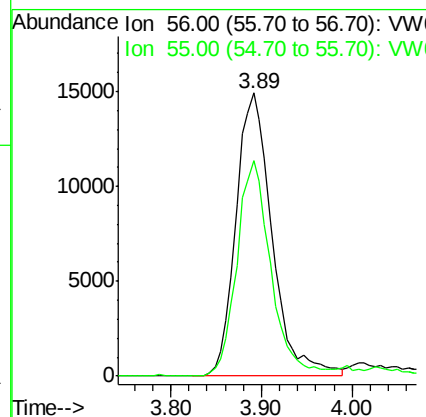
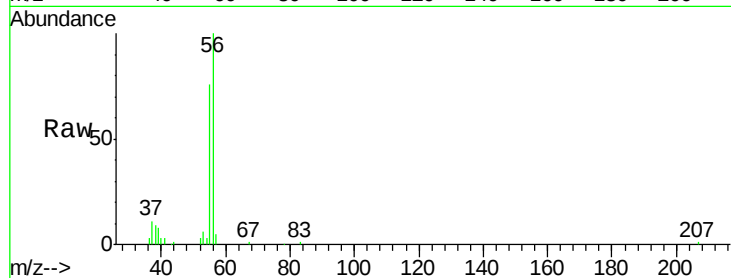
#13
Acrolein
Concen: 204.551 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	41279
Ion Ratio	100	Lower	Upper
56	100		
55	72.0	55.8	83.8

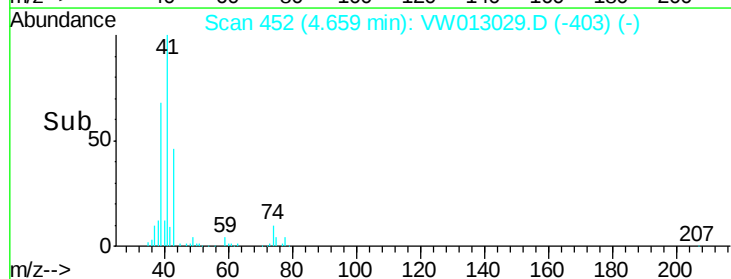
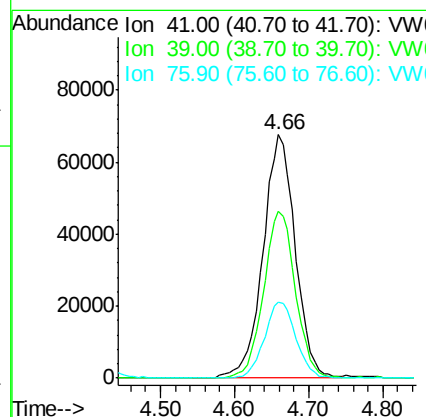
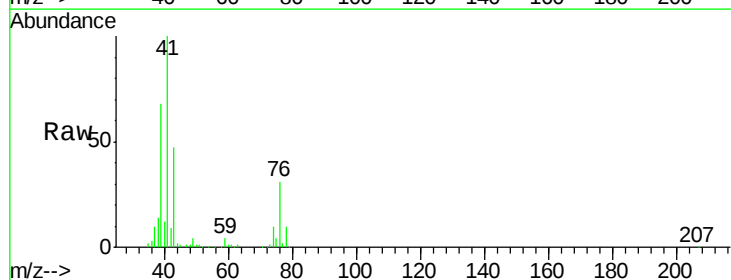
Manual Integrations
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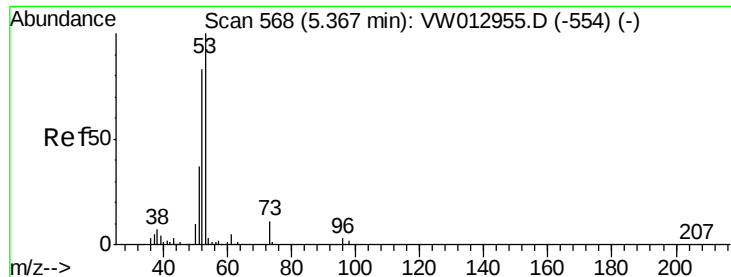
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#14
Allyl chloride
Concen: 52.918 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	41	Resp	204262
Ion Ratio	100	Lower	Upper
41	100		
39	67.9	56.7	85.1
76	30.6	25.1	37.7





#15

Acrylonitrile

Concen: 304.351 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

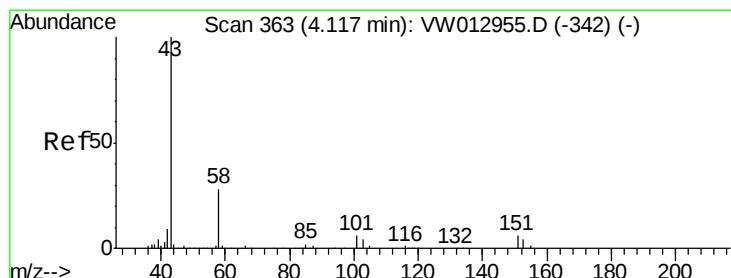
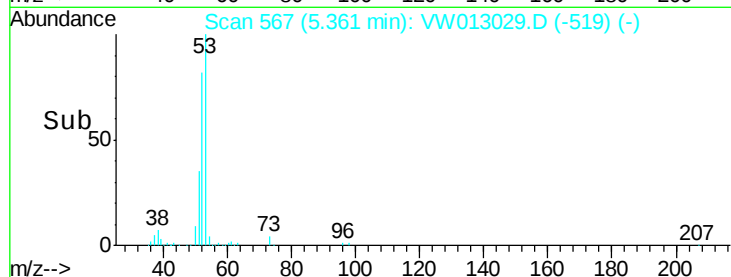
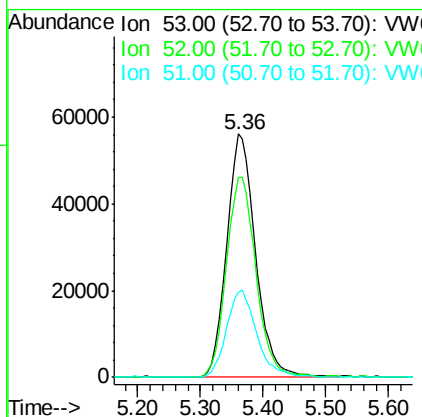
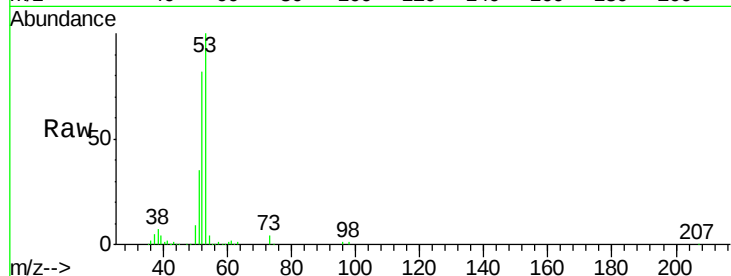
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	178956
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.6	100.0
51	37.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 228.560 ug/l

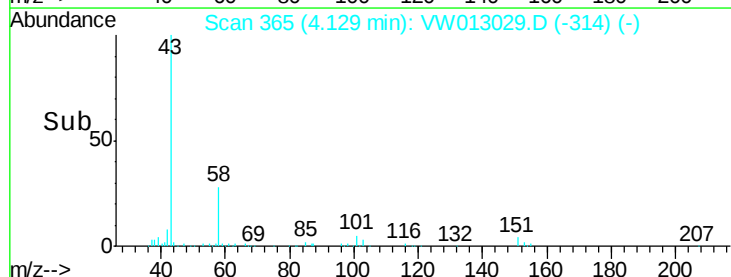
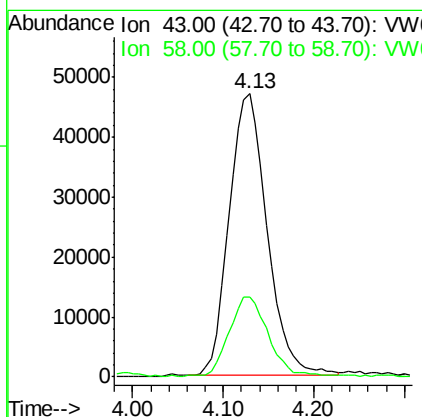
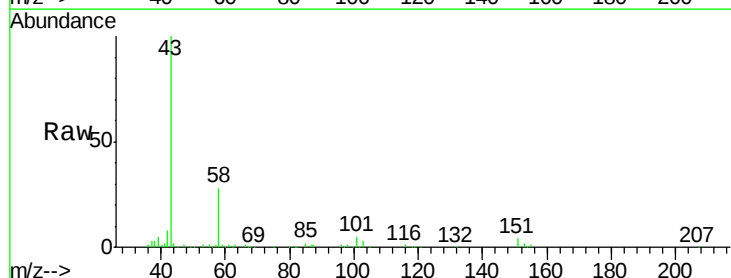
RT: 4.13 min Scan# 365

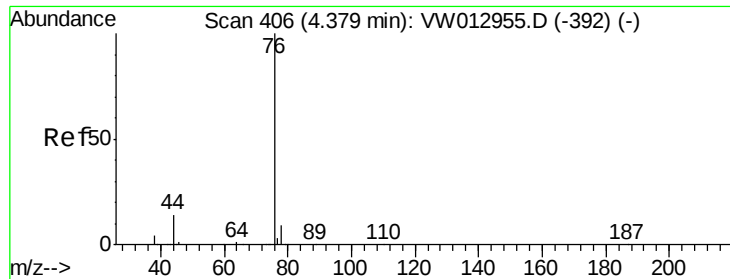
Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion:	43	Resp:	135912
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.3	33.5





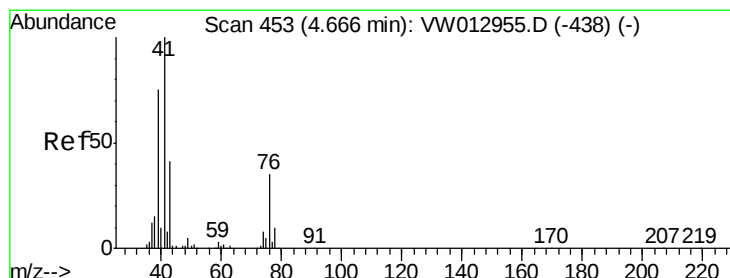
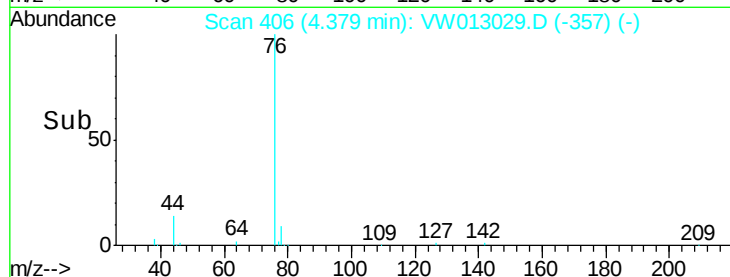
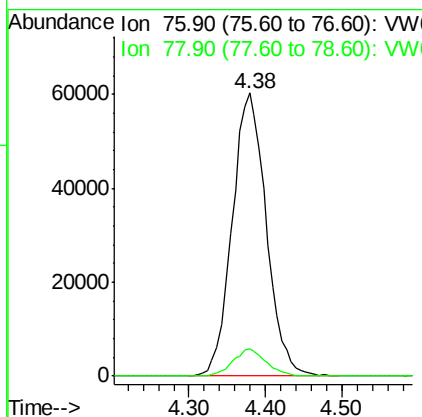
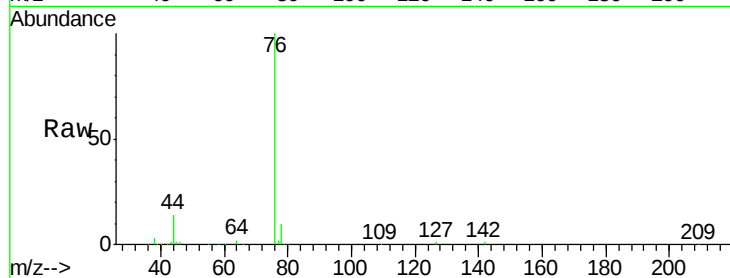
#17
Carbon Disulfide
Concen: 45.763 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.4

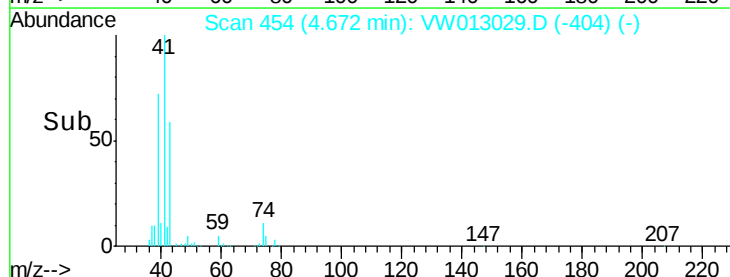
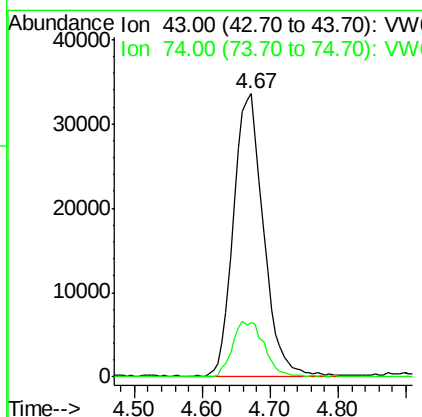
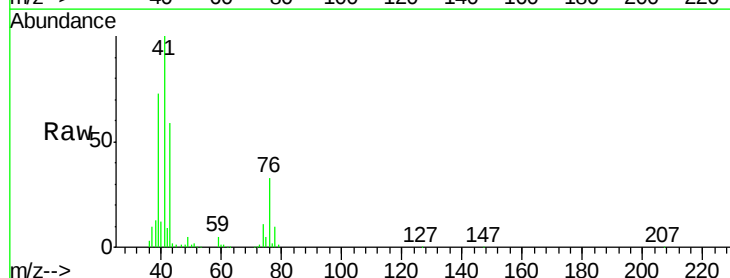
Manual Integrations
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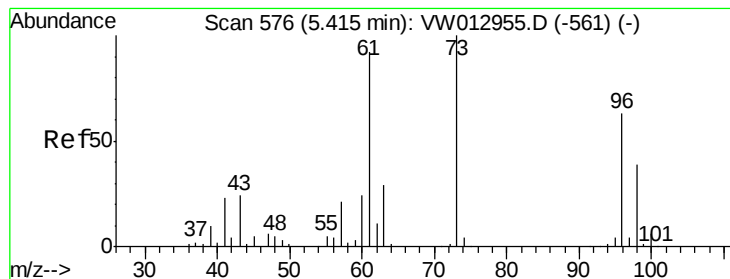
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#18
Methyl Acetate
Concen: 66.147 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.8	26.8





#19

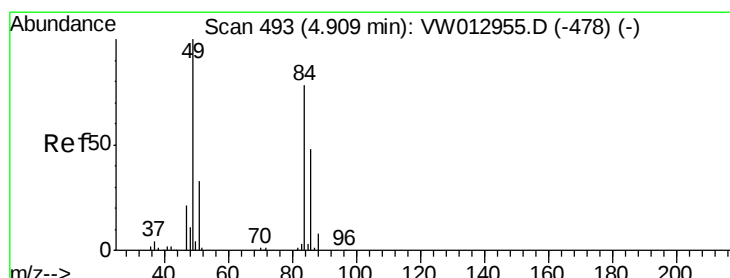
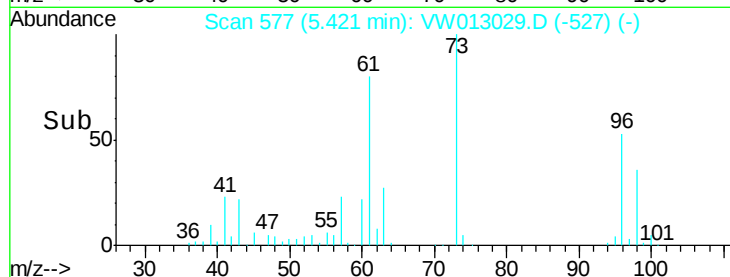
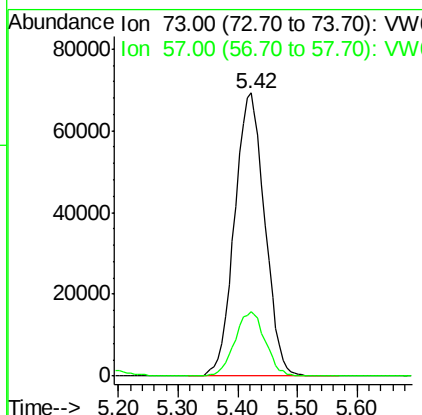
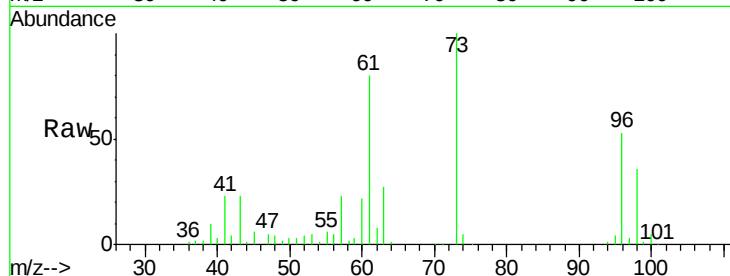
Methyl tert-butyl Ether
 Concen: 60.661 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	16.4	24.6

Manual Integrations
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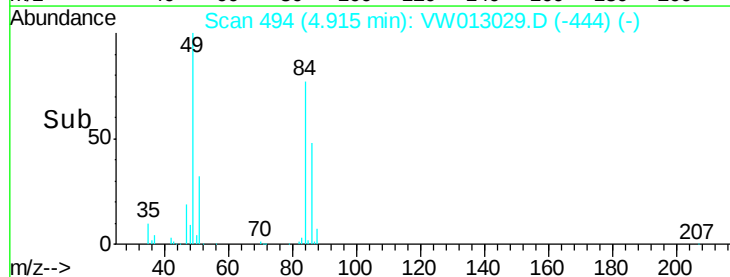
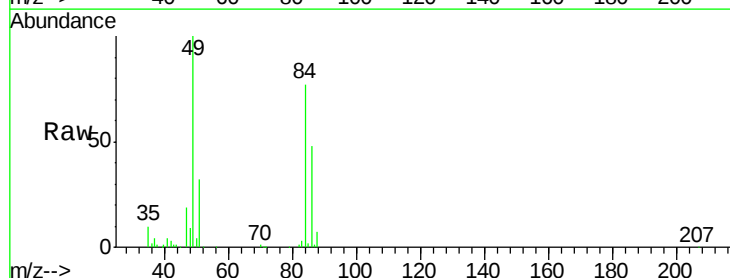
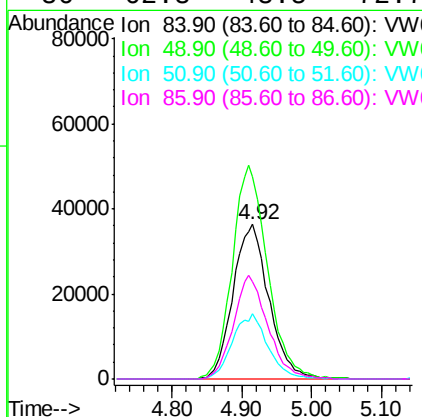
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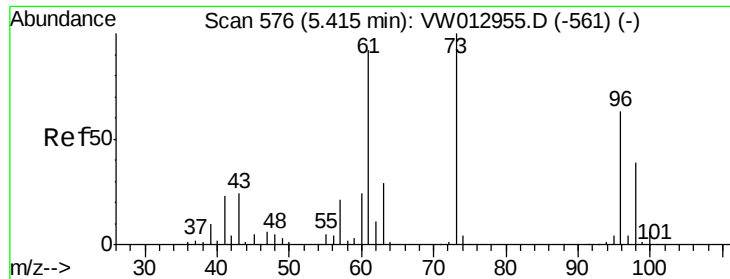


#20

Methylene Chloride
 Concen: 59.976 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.7	102.0	153.0
51	42.0	34.0	51.0
86	62.8	48.5	72.7





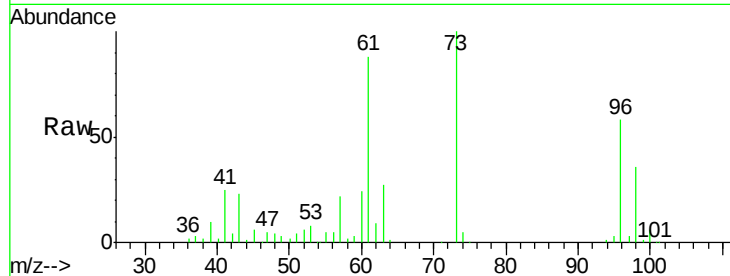
#21
trans-1,2-Dichloroethene
Concen: 53.005 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	116.2	174.2
98	62.0	49.8	74.6

Manual Integrations
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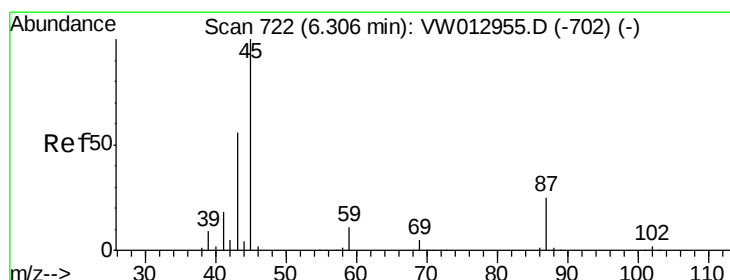
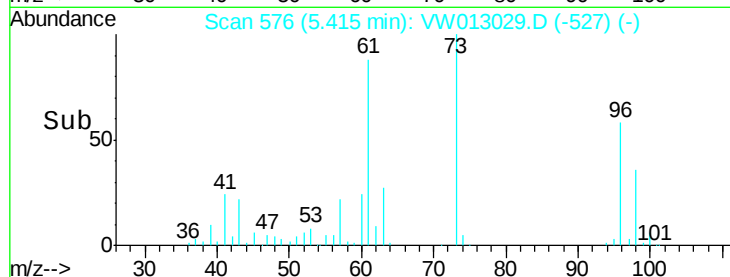
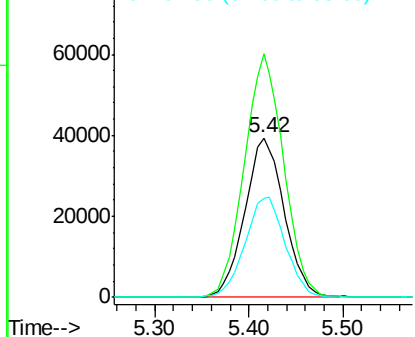


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22
Diisopropyl ether
Concen: 60.734 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.8	44.6	67.0
87	24.4	20.0	30.0
59	10.5	8.7	13.1

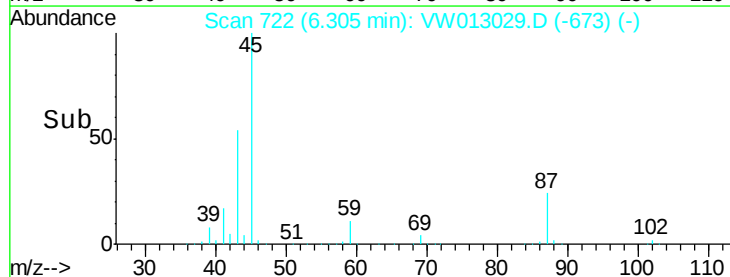
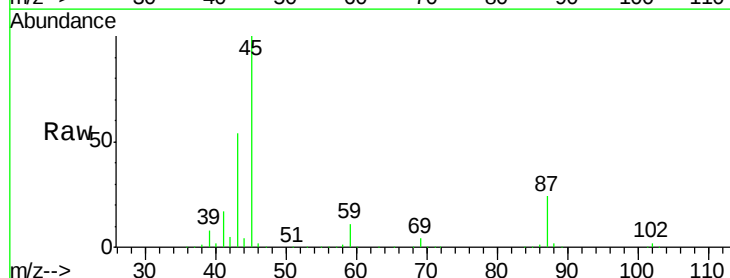
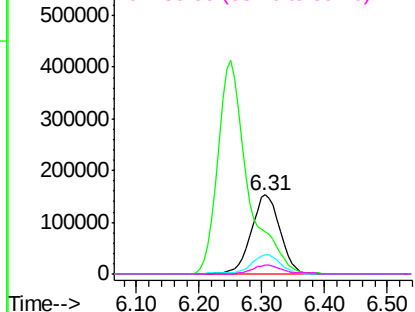
Abundance

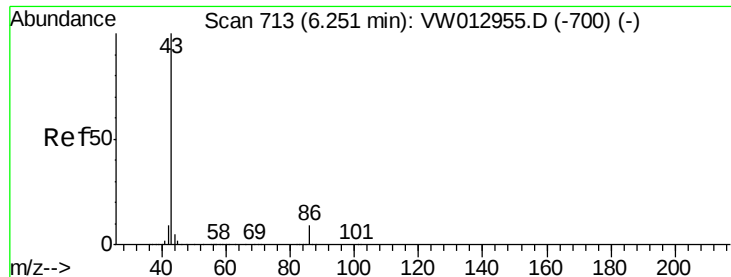
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 284.766 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tot Ion: 43 Resp: 1367671

Ion Ratio Lower Upper

43 100

86 8.9 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

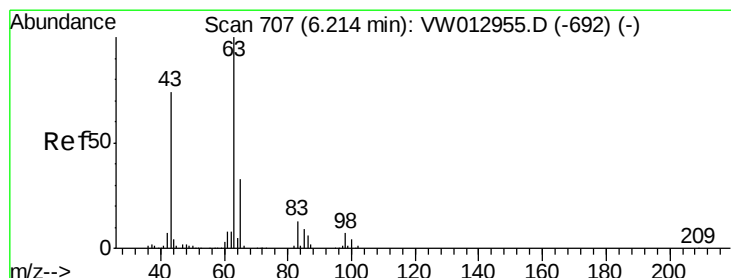
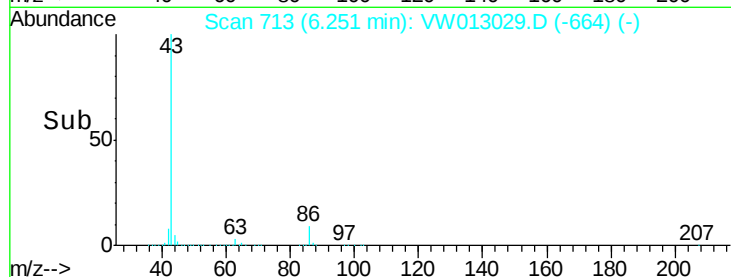
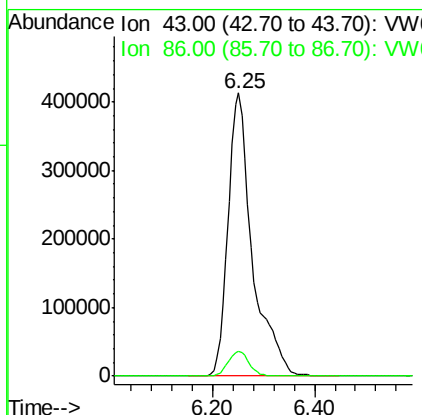
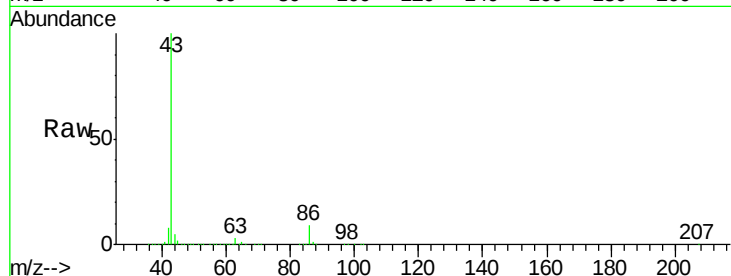
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.714 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

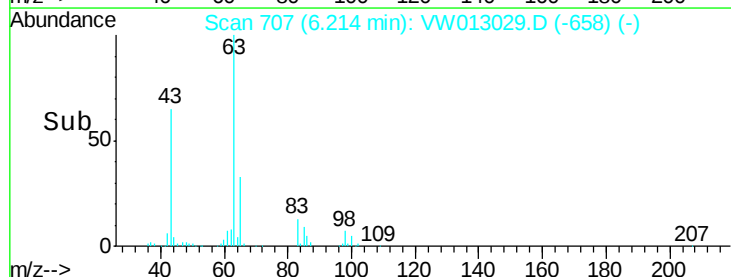
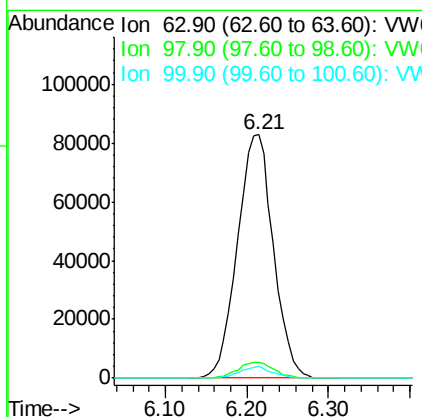
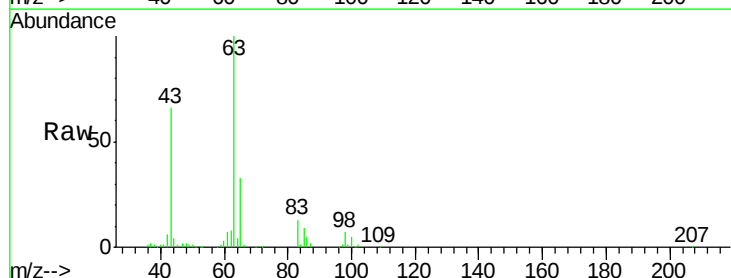
Tgt Ion: 63 Resp: 252964

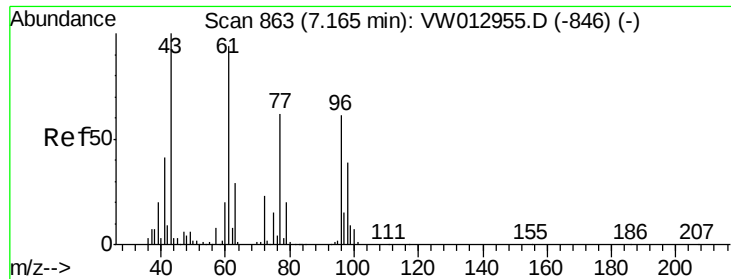
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.7 1.8 5.5





#25

2-Butanone

Concen: 285.353 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 246845

Ion Ratio Lower Upper

43 100

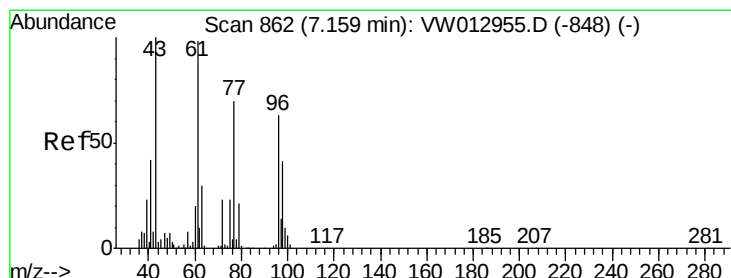
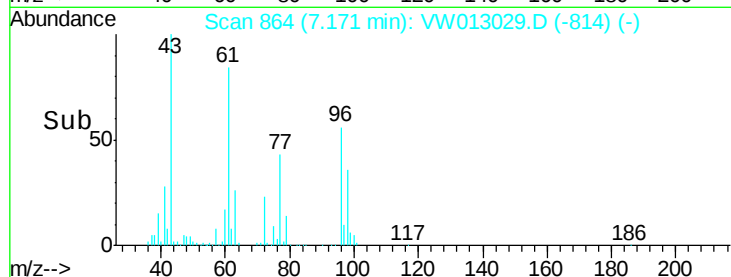
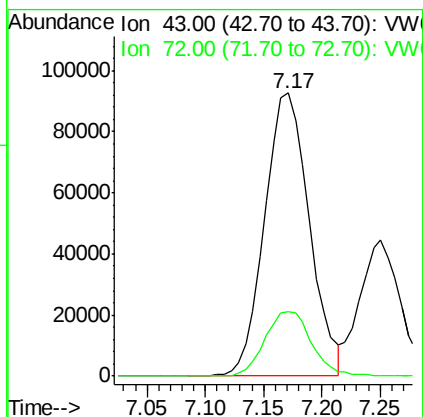
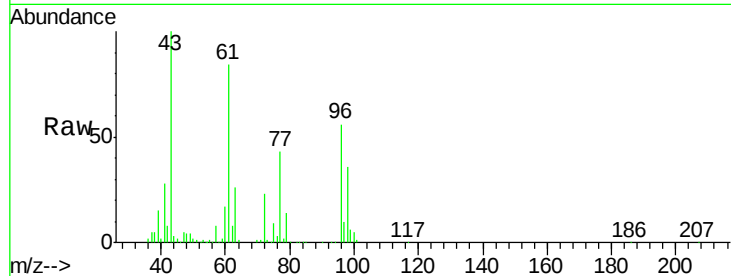
72 22.9 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 43.676 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013029.D

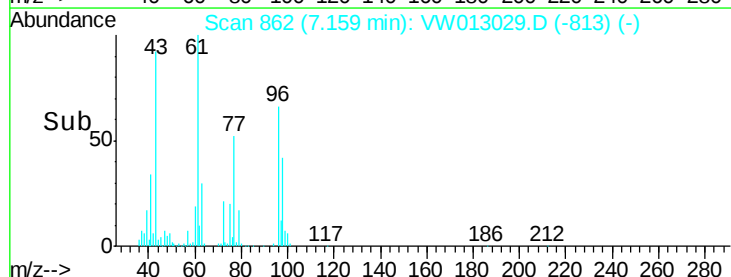
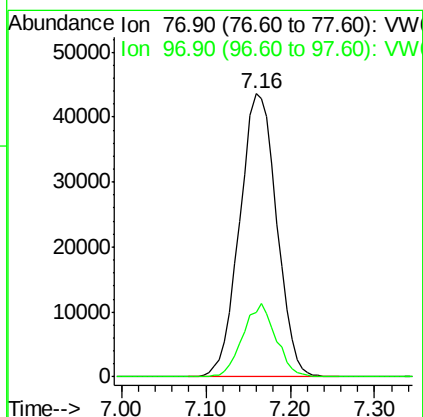
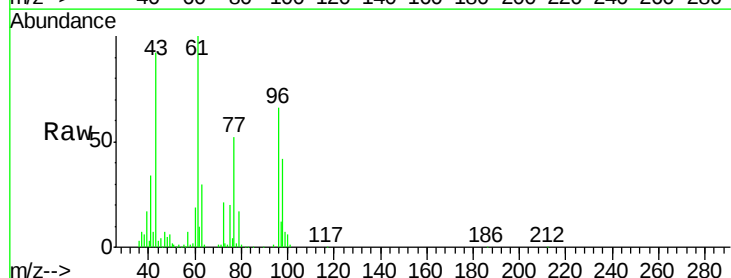
Acq: 15 Sep 2019 08:19

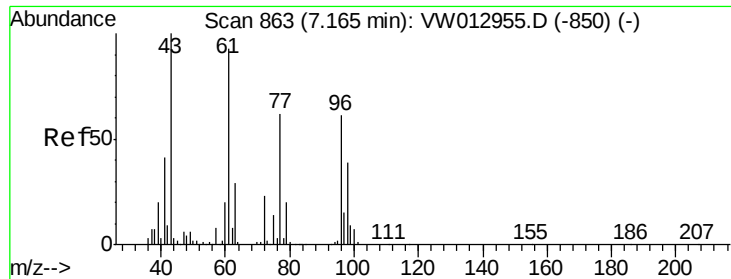
Tgt Ion: 77 Resp: 129761

Ion Ratio Lower Upper

77 100

97 23.3 10.7 32.1





#27

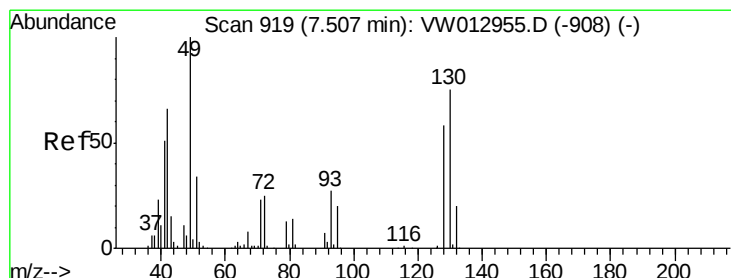
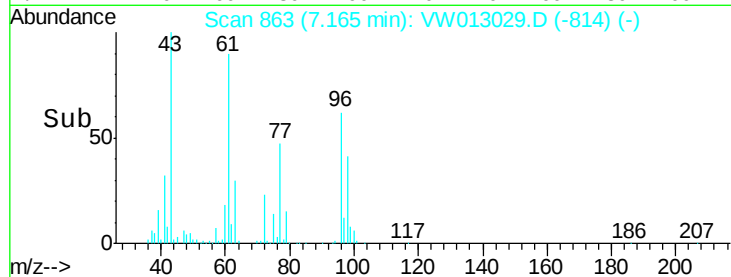
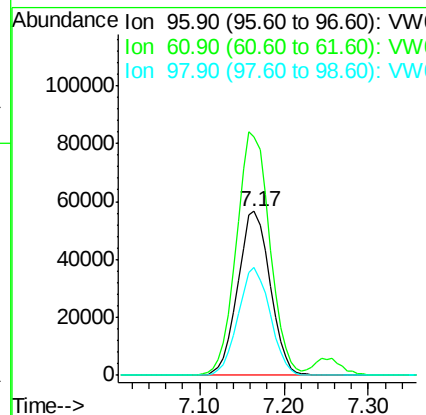
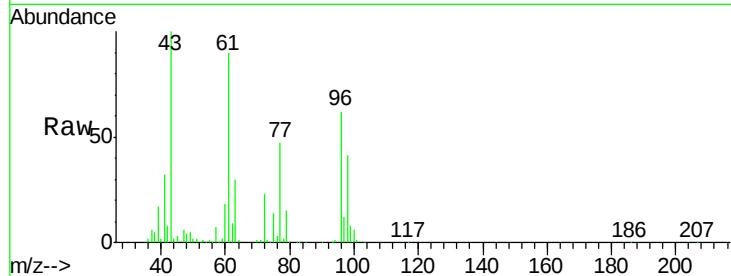
cis-1,2-Dichloroethene
Concen: 56.458 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	315.4
98	65.2	0.0	131.0

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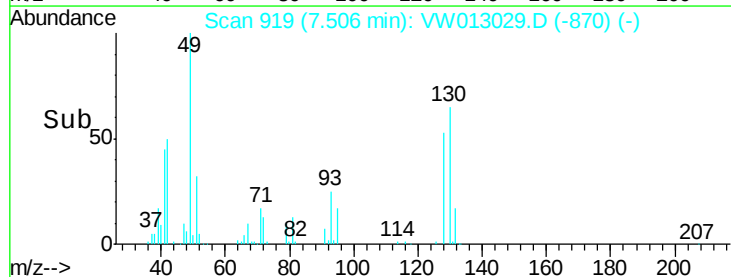
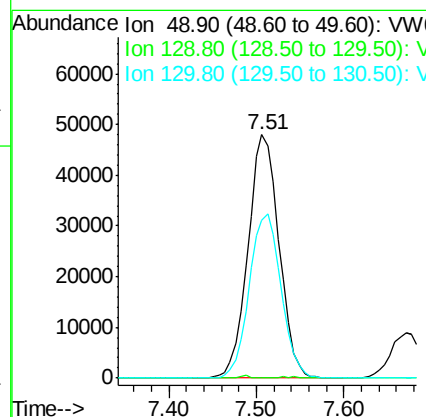
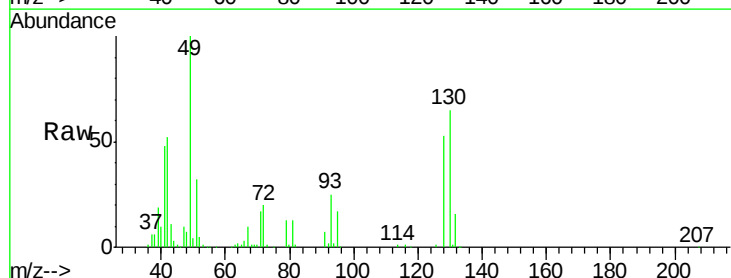
MMDadoda
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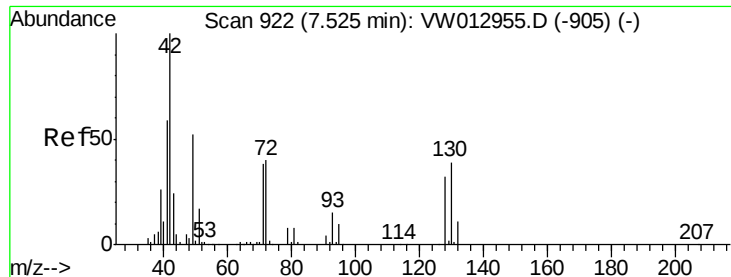


#28

Bromochloromethane
Concen: 60.680 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.4
130	69.3	57.8	86.6





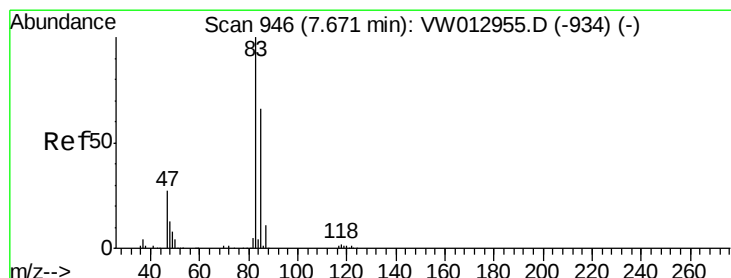
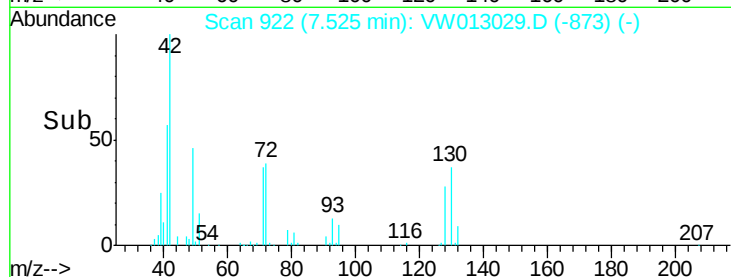
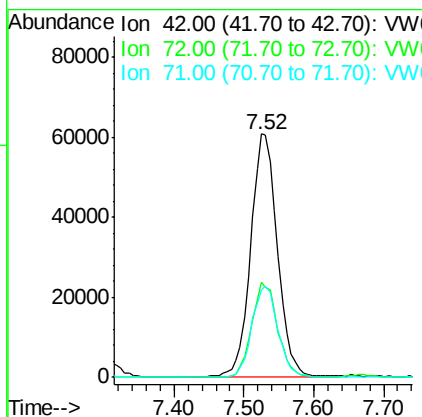
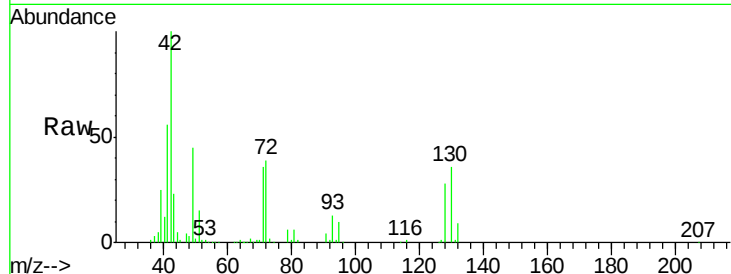
#29
Tetrahydrofuran
Concen: 328.180 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.4	47.0
71	36.4	29.8	44.8

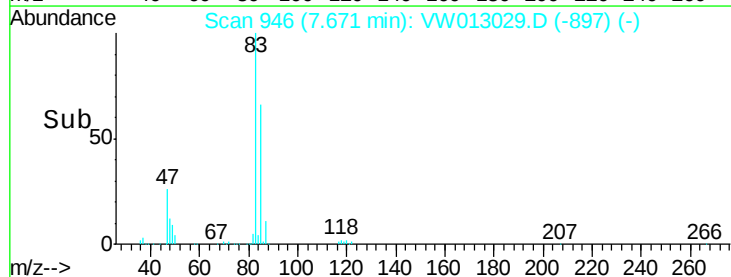
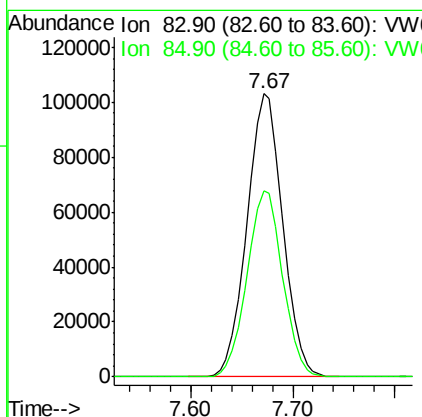
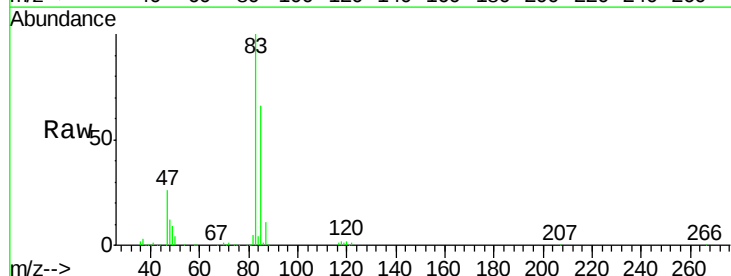
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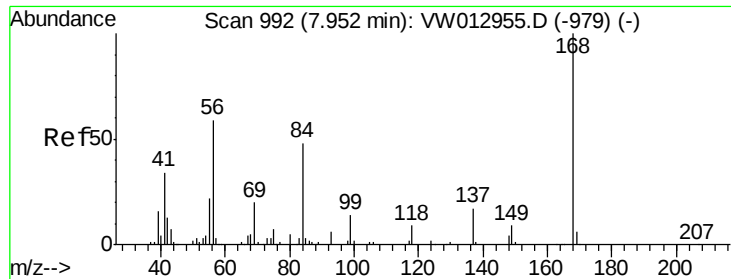
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#30
Chloroform
Concen: 53.585 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.8	79.2





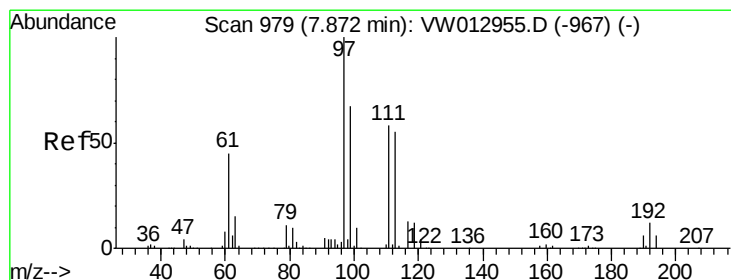
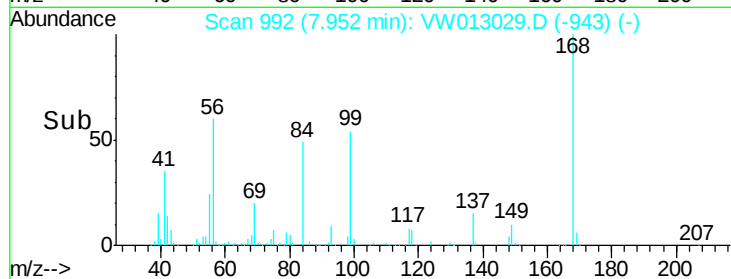
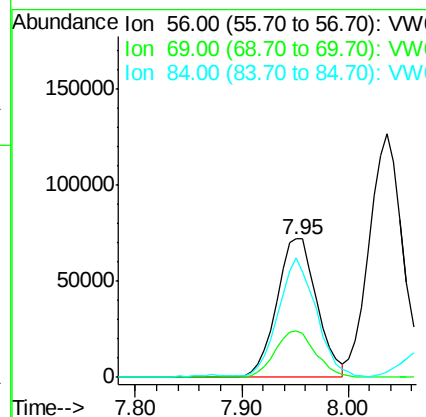
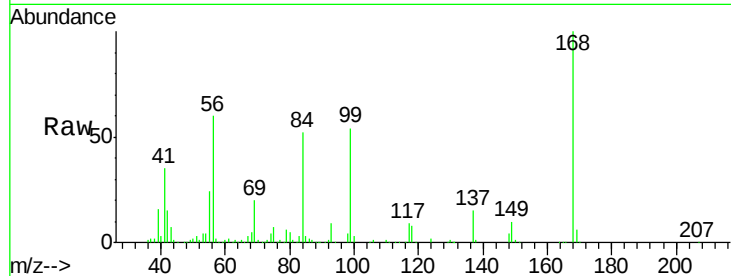
#31
Cyclohexane
Concen: 54.488 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	27.0	40.6
84	84.8	66.2	99.2

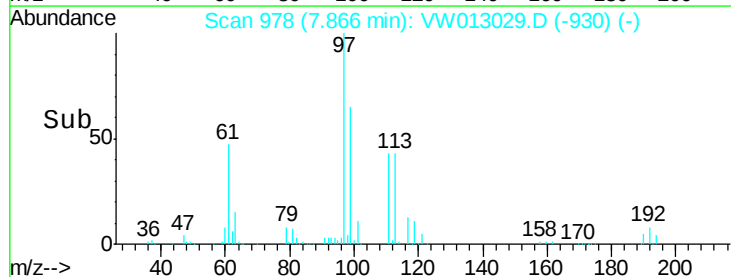
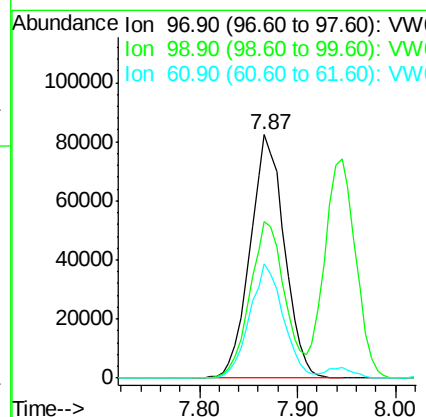
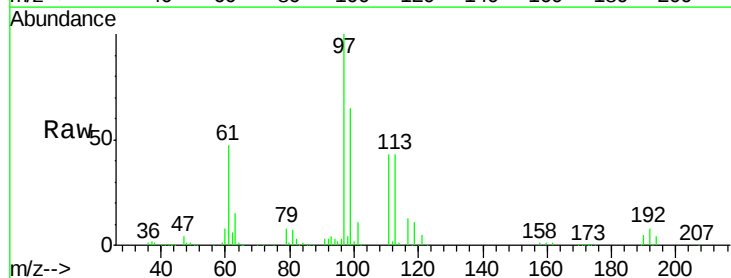
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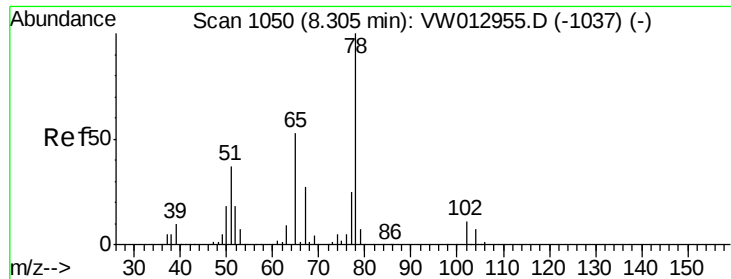
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#32
1,1,1-Trichloroethane
Concen: 51.713 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	53.0	79.4
61	46.2	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 55.028 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 149702

Ion Ratio Lower Upper

65 100

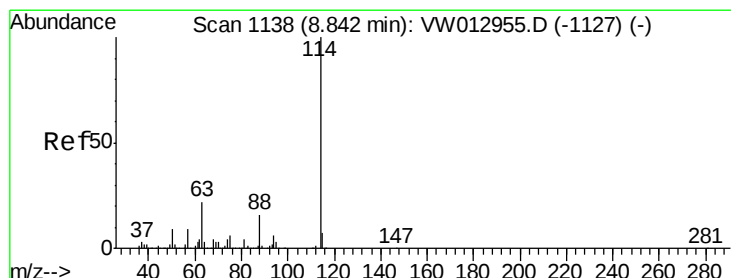
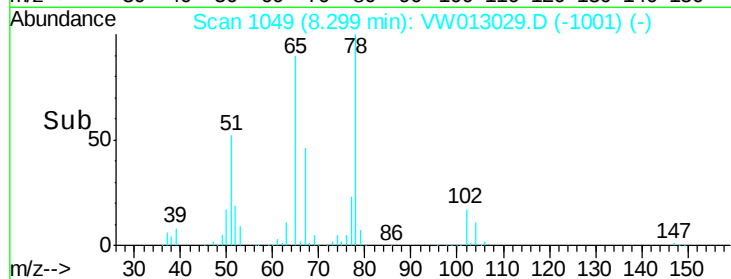
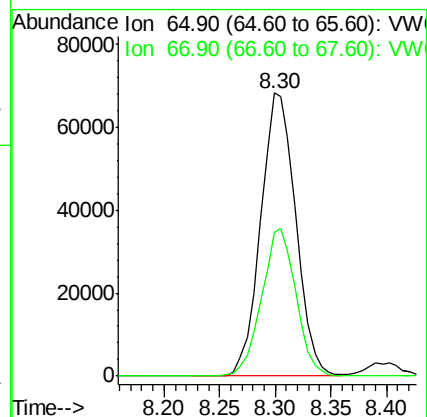
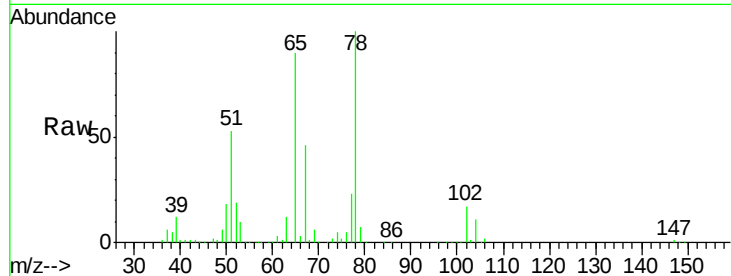
67 51.1 0.0 101.2

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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: VW013029.D

Acq: 15 Sep 2019 08:19

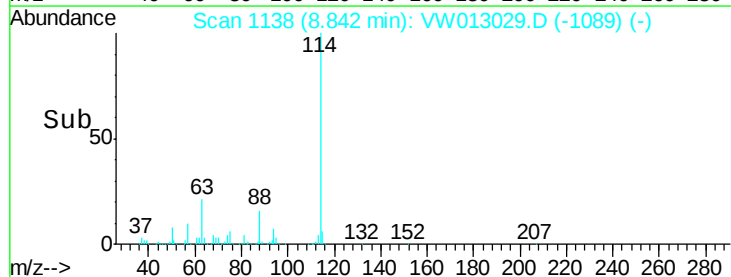
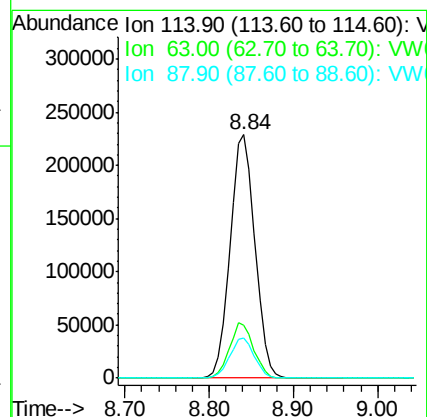
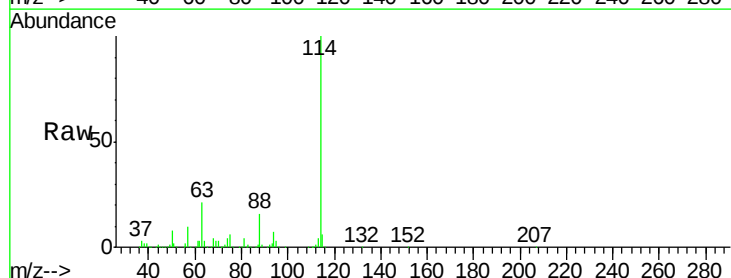
Tgt Ion: 114 Resp: 458372

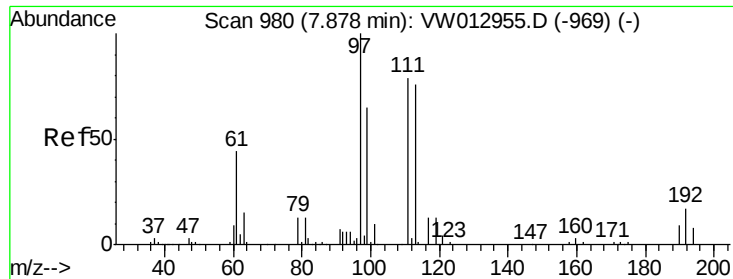
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 16.2 0.0 31.6





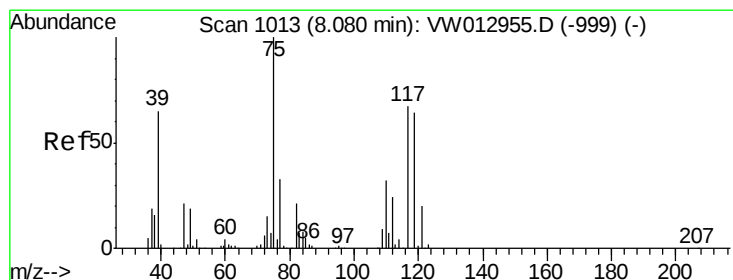
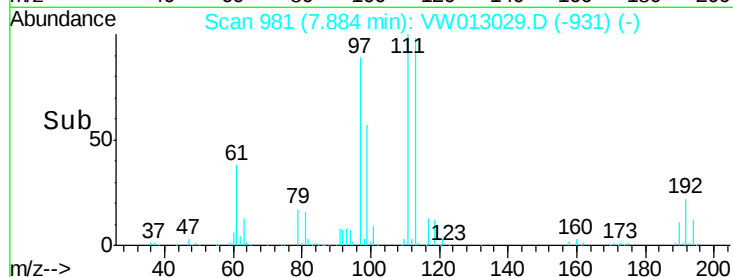
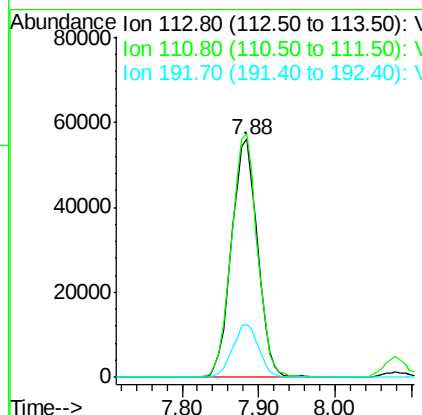
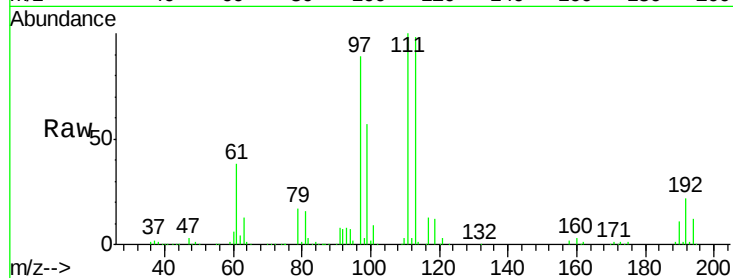
#35
 Dibromofluoromethane
 Concen: 53.090 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132045		
111	102.2	82.8	124.2	
192	22.2	17.8	26.8	

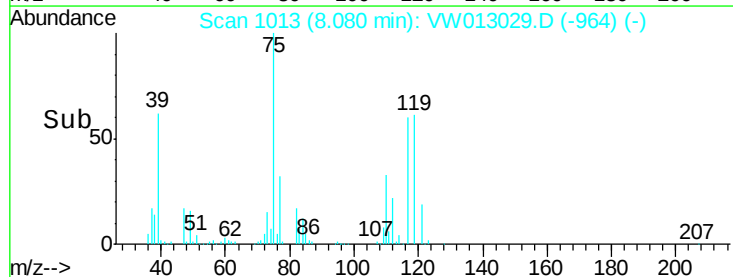
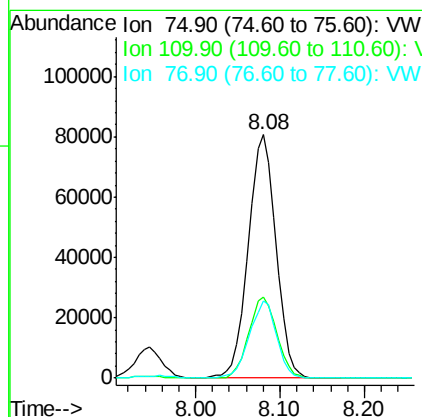
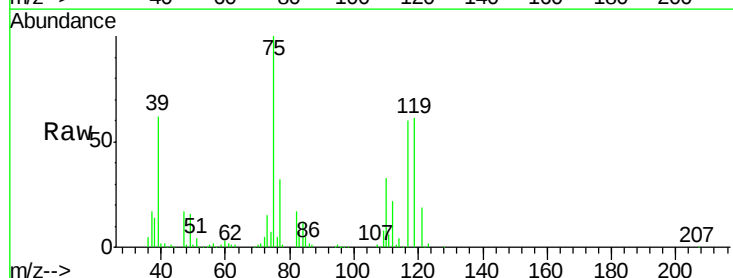
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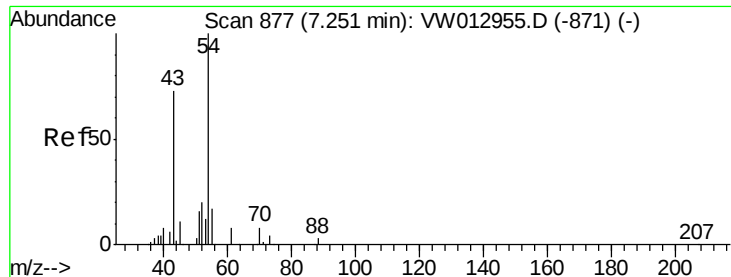
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#36
 1,1-Dichloropropene
 Concen: 48.898 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179104		
110	33.5	16.4	49.1	
77	31.3	25.1	37.7	





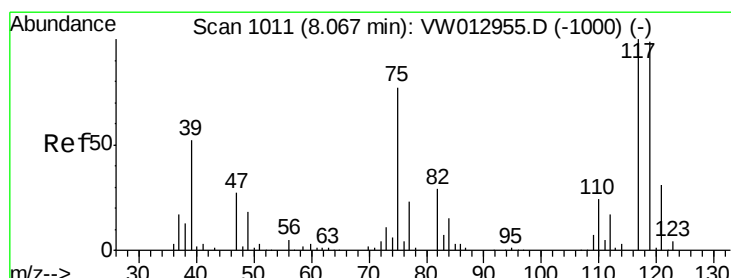
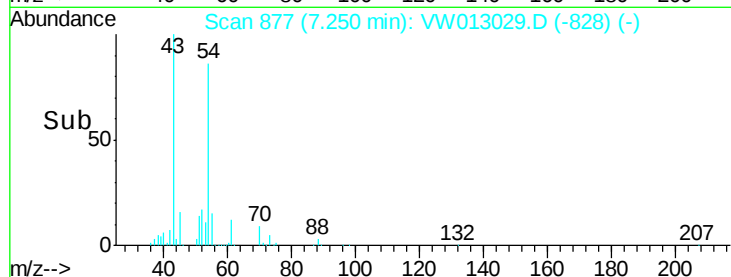
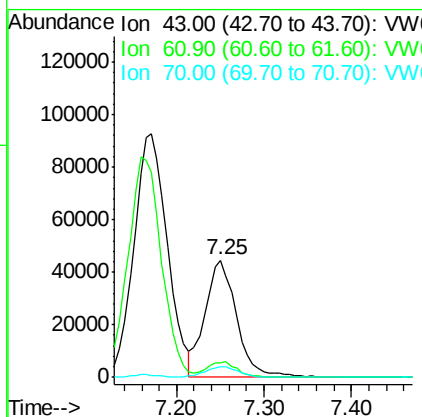
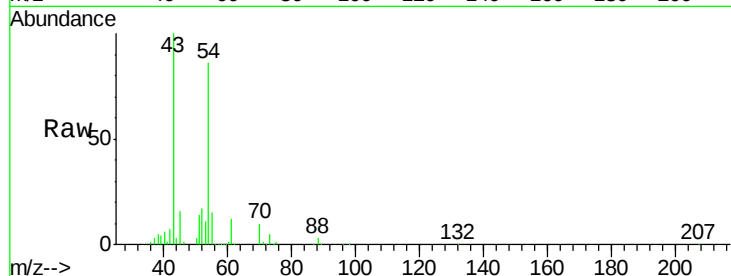
#37
Ethyl Acetate
Concen: 57.048 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	110911
Ion Ratio	100	Lower	Upper
43	100		
61	12.3	9.6	14.4
70	9.7	7.6	11.4

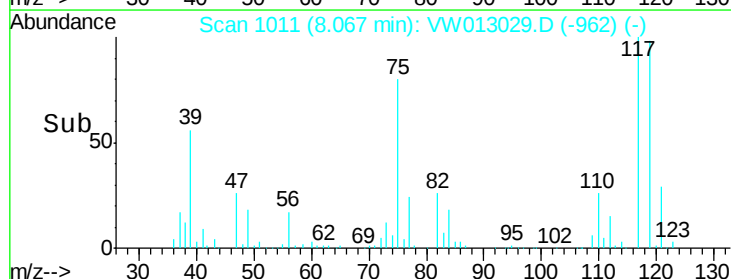
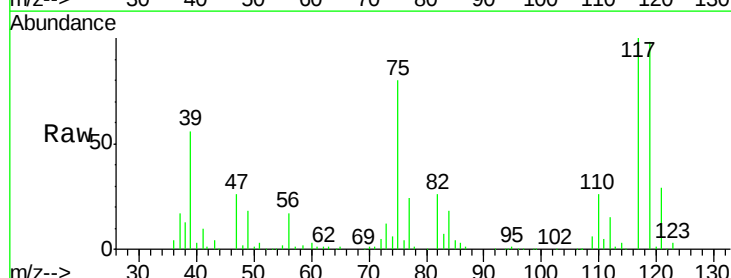
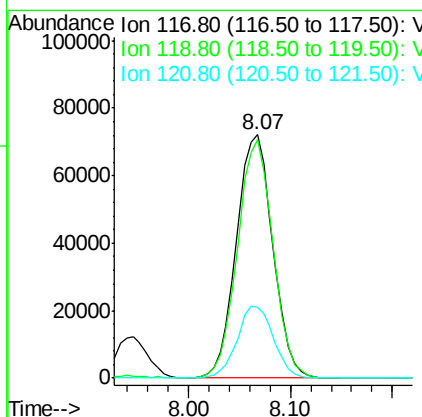
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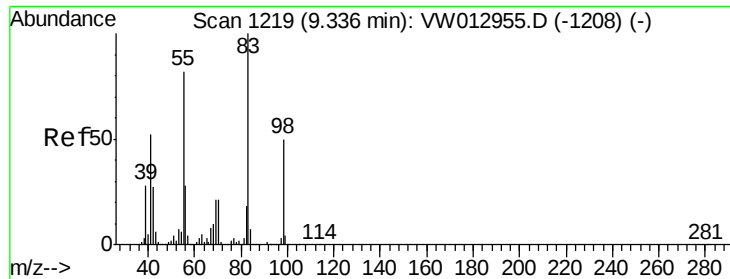
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#38
Carbon Tetrachloride
Concen: 47.686 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	117	Resp	178991
Ion Ratio	100	Lower	Upper
117	100		
119	98.1	79.4	119.0
121	28.9	24.6	36.8





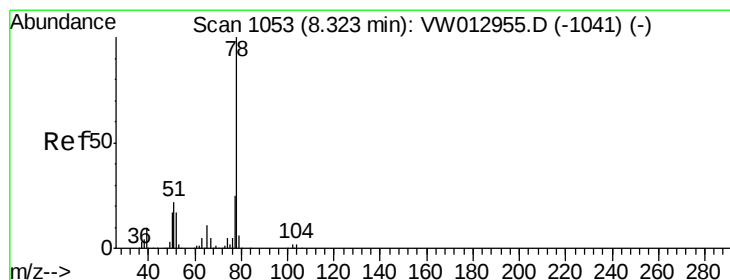
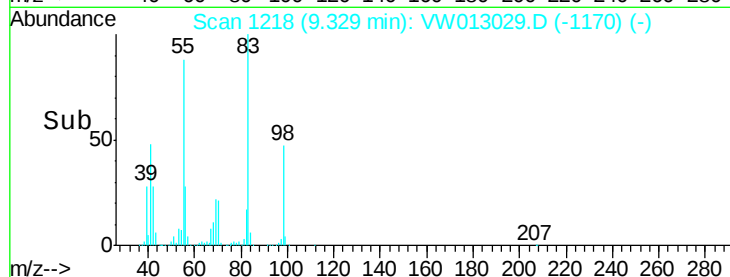
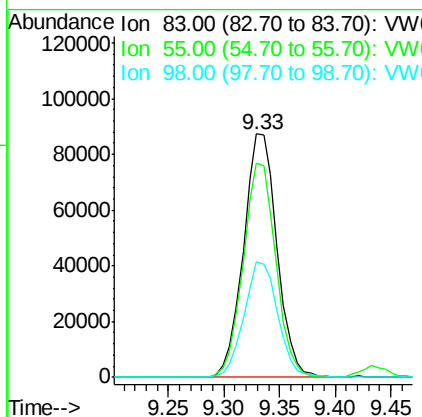
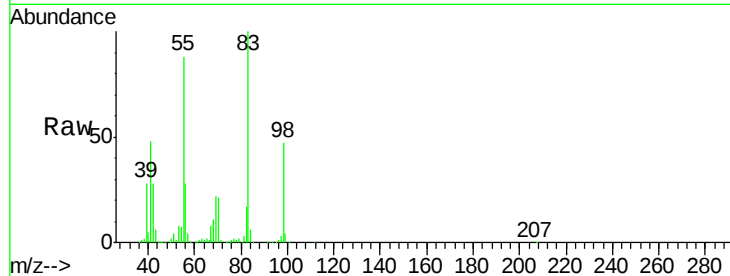
#39
Methvlcvclohexane
Concen: 45.578 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.7	65.9	98.9
98	47.2	39.6	59.4

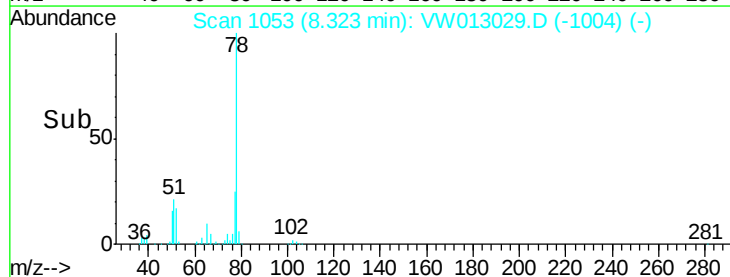
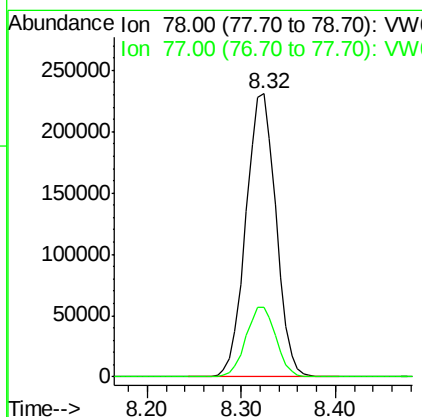
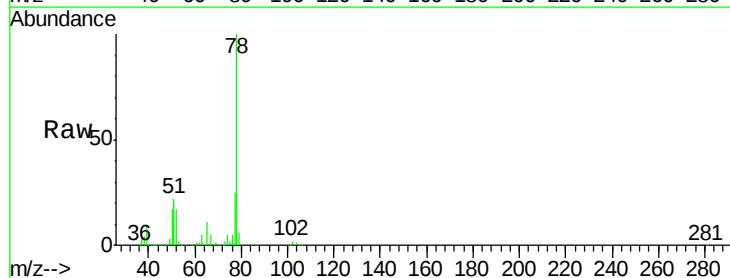
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#40
Benzene
Concen: 50.293 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.6	29.4





#41

Methacrylonitrile

Concen: 55.263 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 70753

Ion Ratio Lower Upper

41 100

39 57.7 48.2 72.4

67 61.4 47.5 71.3

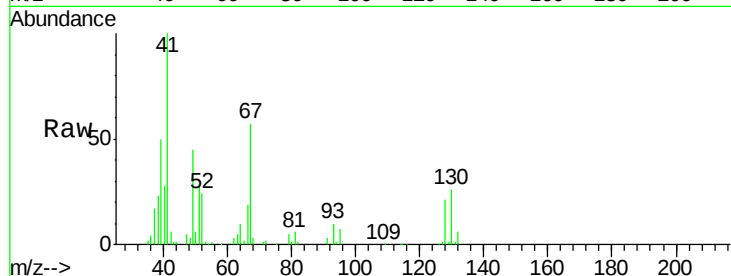
52 26.6 21.0 31.4

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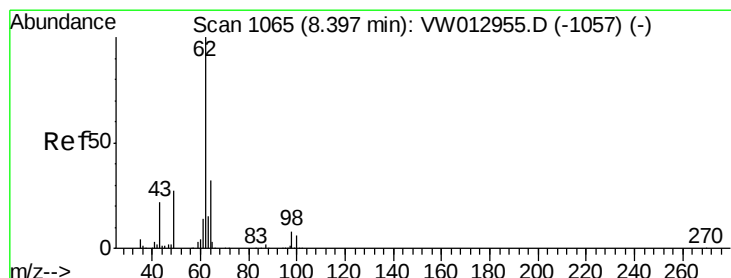
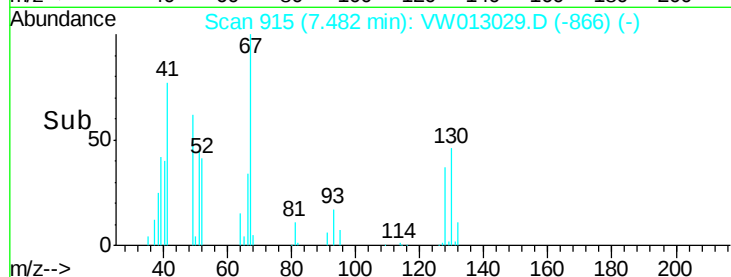
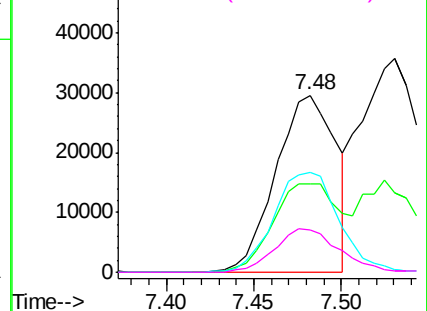


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 50.342 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013029.D

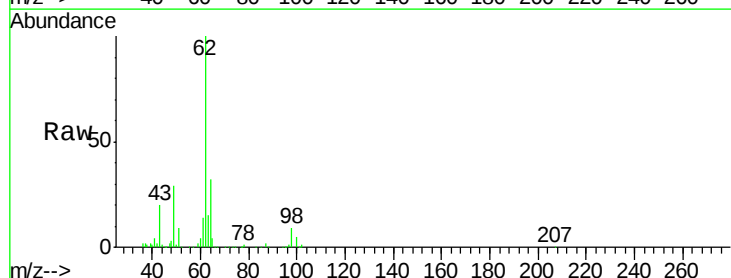
Acq: 15 Sep 2019 08:19

Tgt Ion: 62 Resp: 172558

Ion Ratio Lower Upper

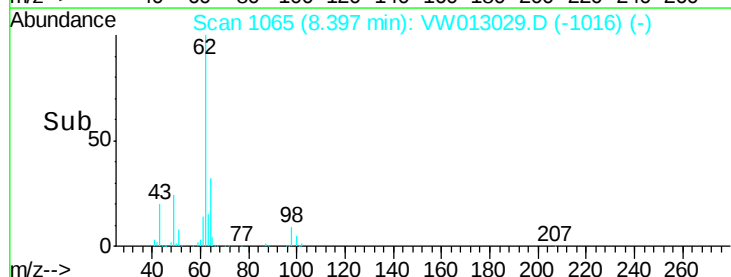
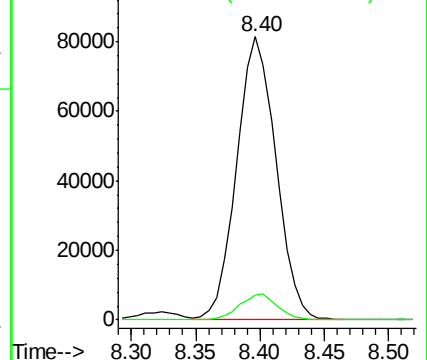
62 100

98 8.9 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 56.698 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

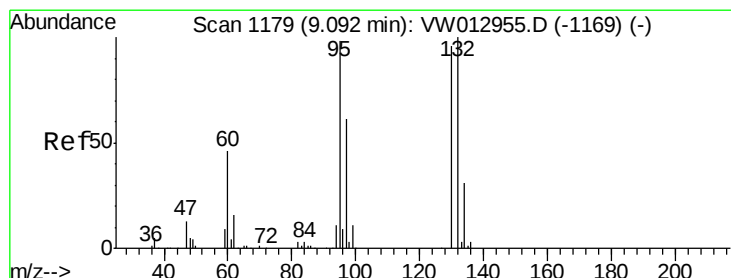
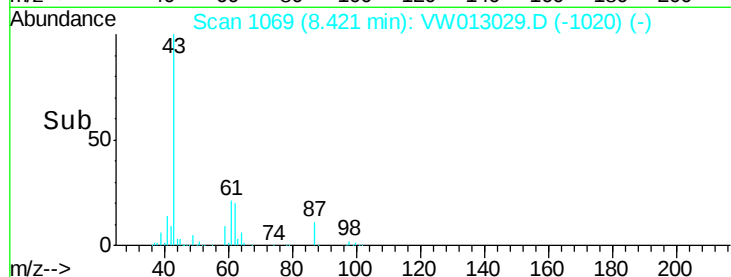
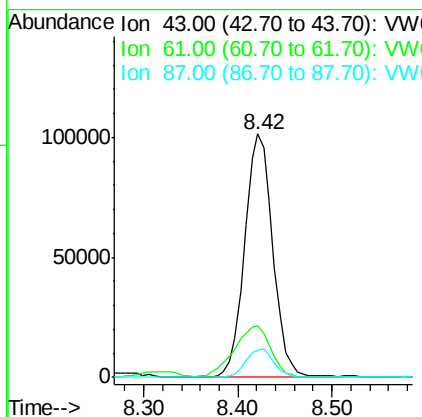
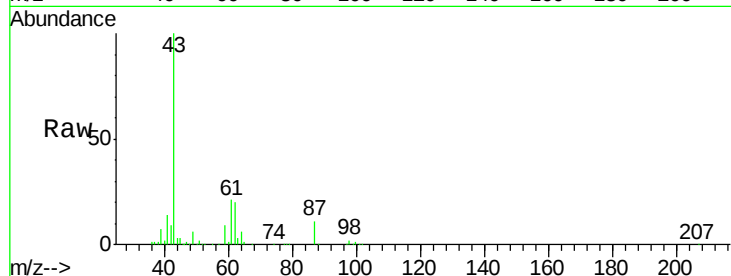
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	211646
Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.7	34.1
87	11.8	9.4	14.2

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#44

Trichloroethene

Concen: 50.096 ug/l

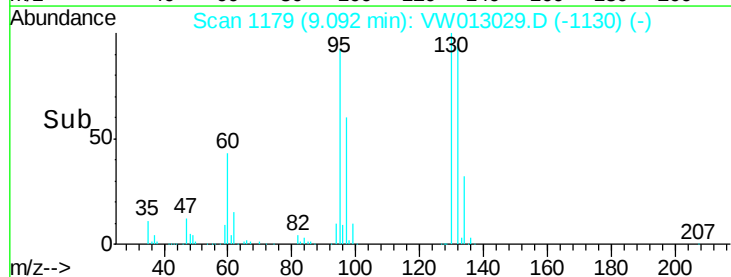
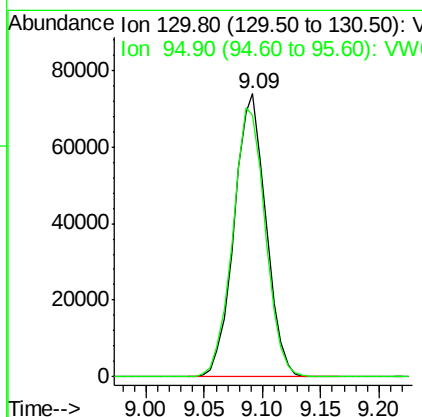
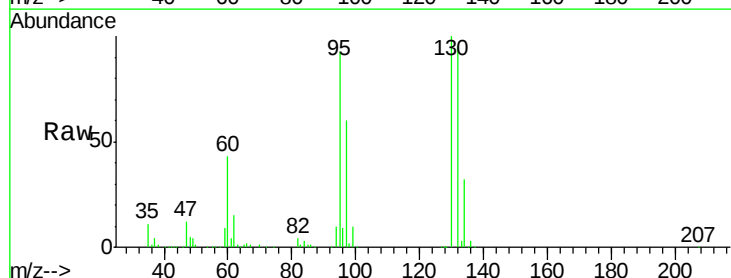
RT: 9.09 min Scan# 1179

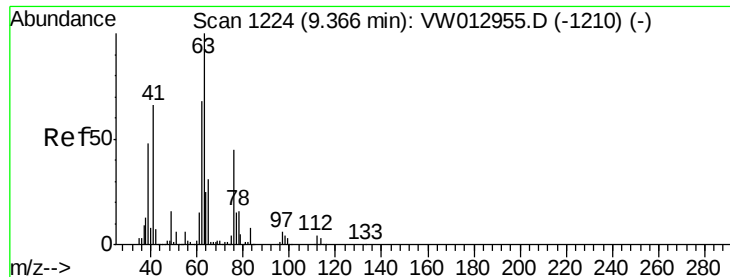
Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion:	130	Resp:	140310
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	204.4





#45

1,2-Dichloropropane

Concen: 53.815 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 146199

Ion Ratio Lower Upper

63 100

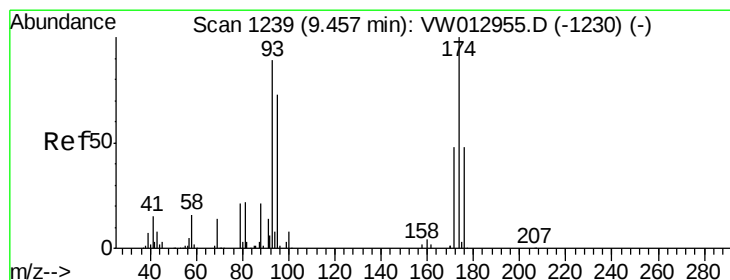
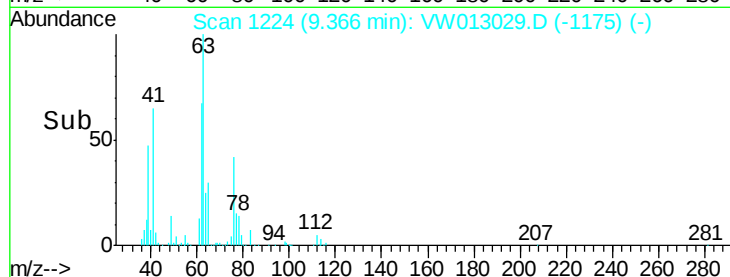
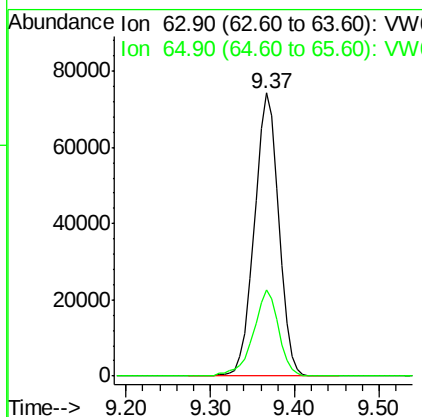
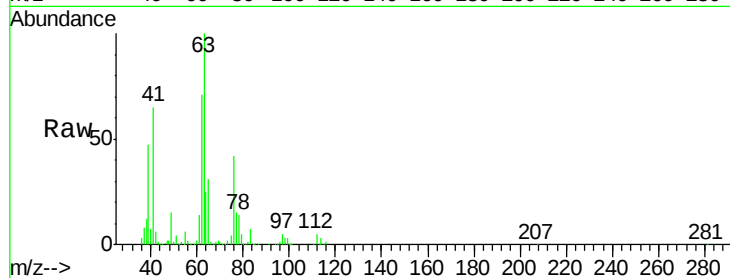
65 30.6 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 54.322 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

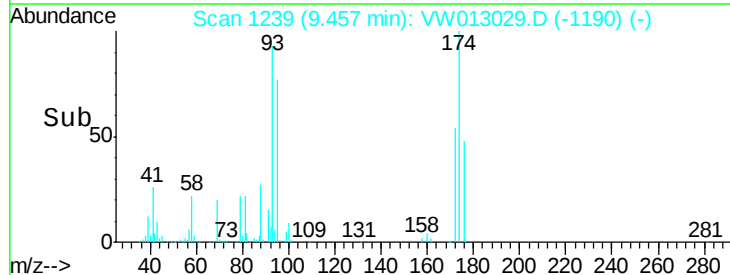
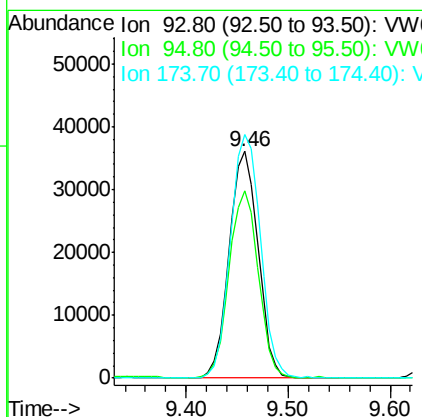
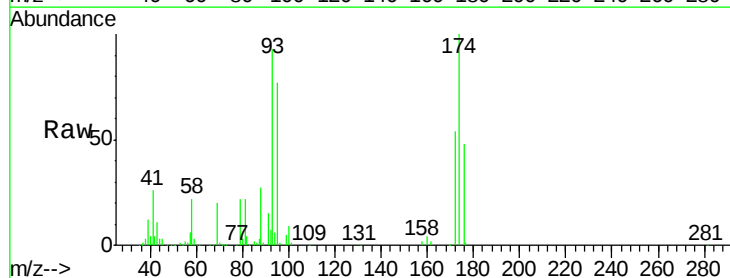
Tgt Ion: 93 Resp: 70704

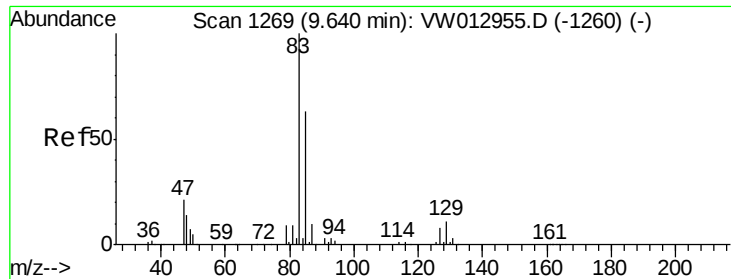
Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.4

174 111.4 90.5 135.7





#47

Bromodichloromethane

Concen: 53.425 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

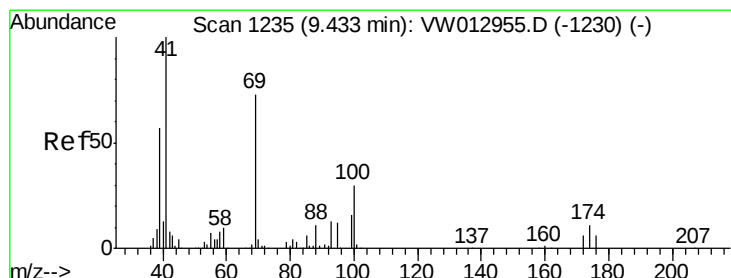
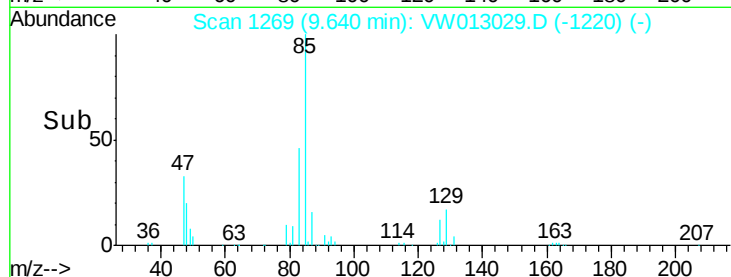
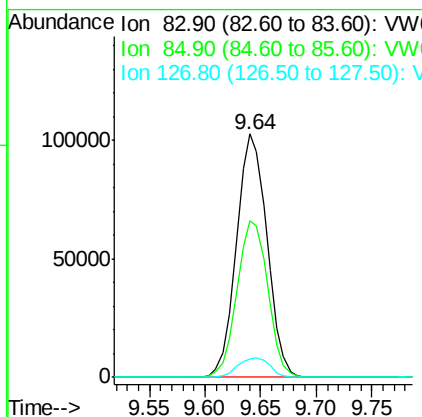
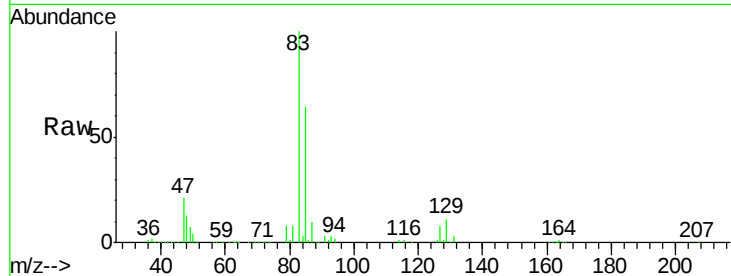
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	195049
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	75.8
127	7.6	6.7	10.1

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#48

Methyl methacrylate

Concen: 59.071 ug/l

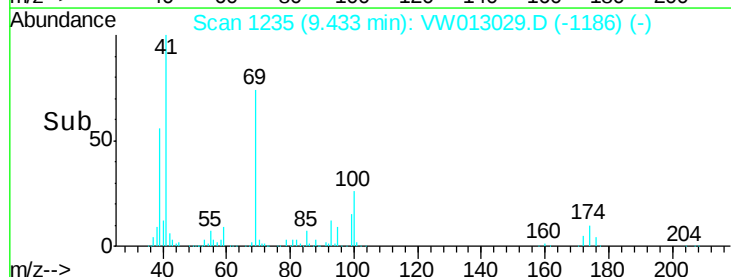
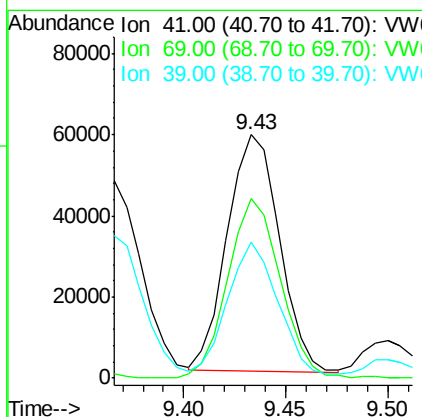
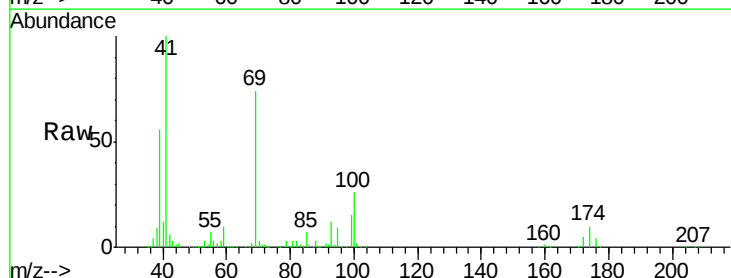
RT: 9.43 min Scan# 1235

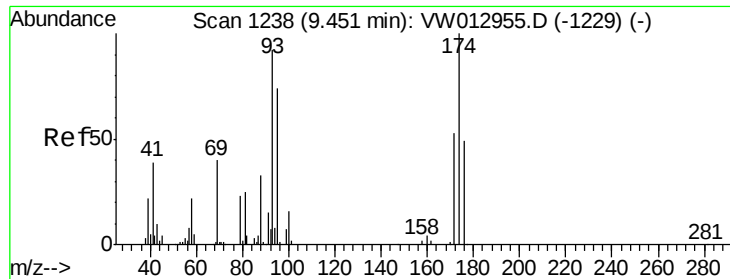
Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion:	41	Resp:	103486
Ion	Ratio	Lower	Upper
41	100		
69	77.8	62.8	94.2
39	56.6	48.5	72.7





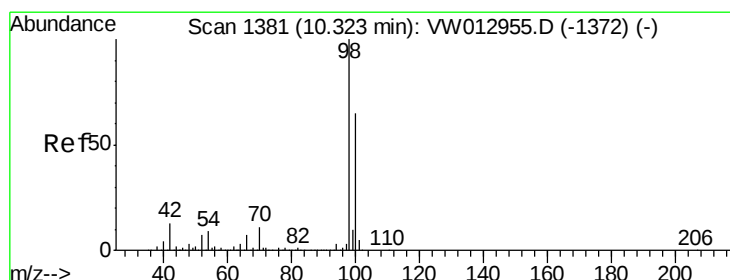
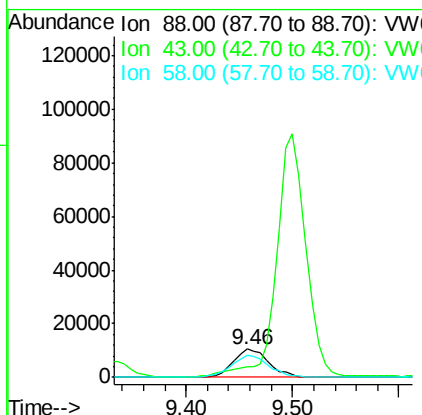
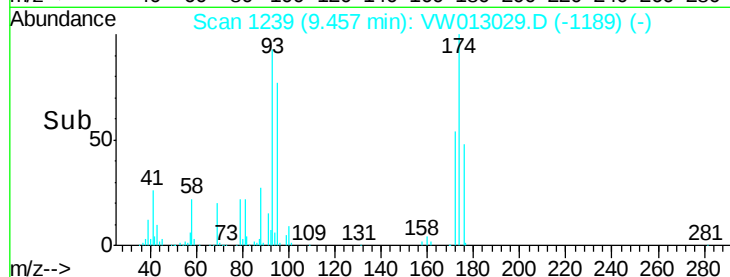
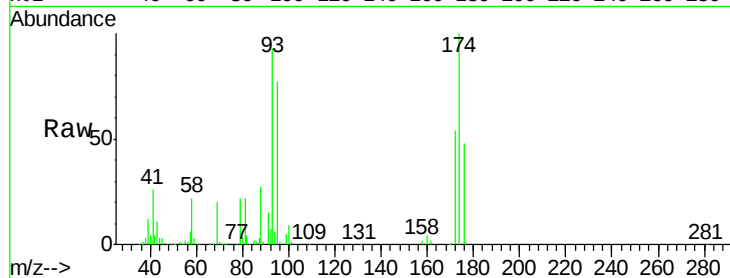
#49
1,4-Dioxane
Concen: 1142.259 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	24912
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	83.3	60.2	90.2

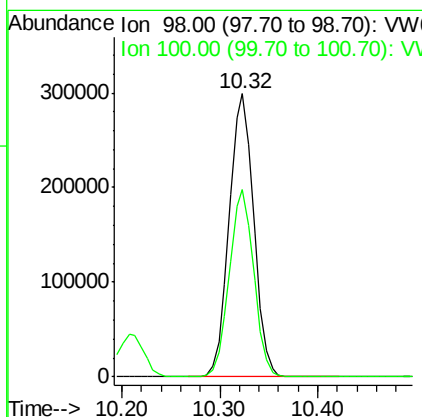
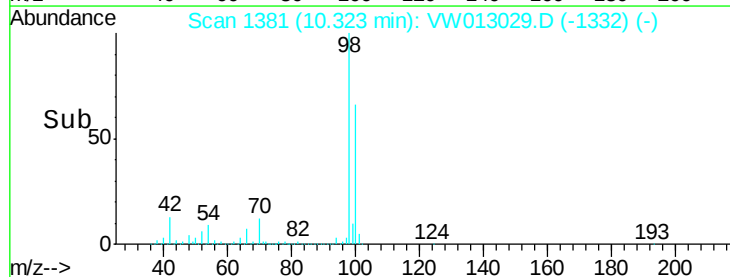
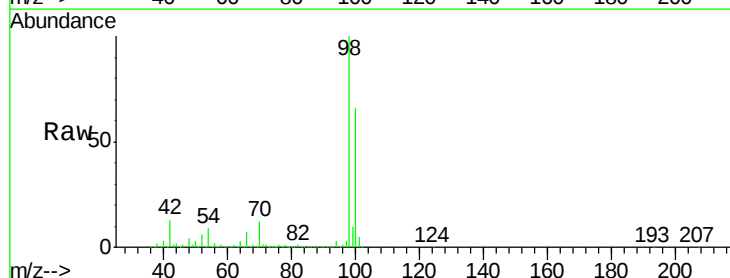
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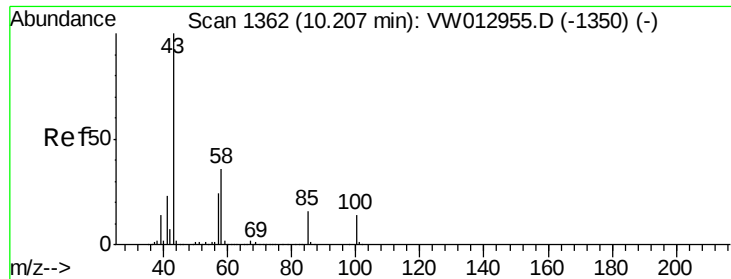
MMDadoda
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#50
Toluene-d8
Concen: 53.571 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	98	Resp	521390
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 301.584 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 581211

Ion Ratio Lower Upper

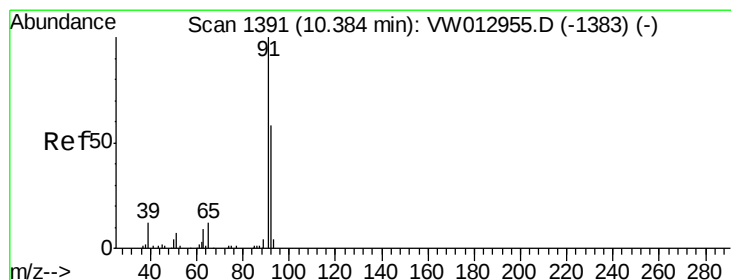
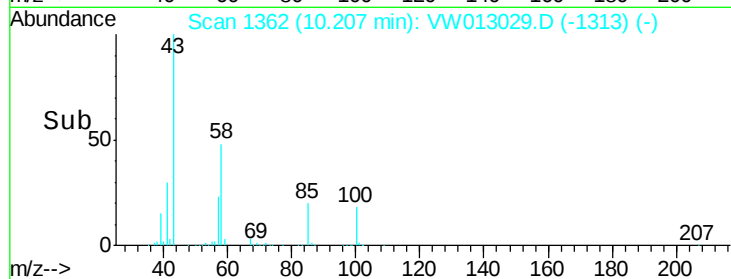
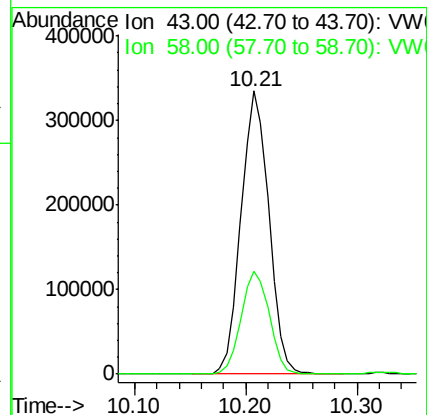
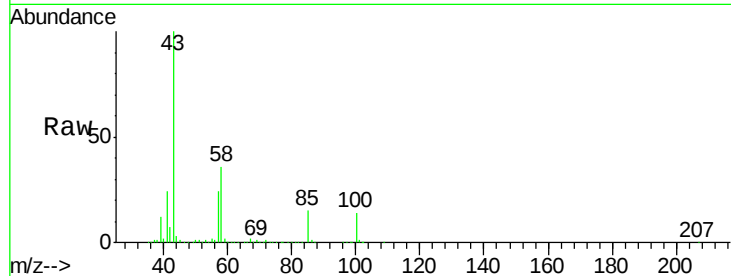
43 100

58 36.8 29.5 44.3

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#52

Toluene

Concen: 52.769 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013029.D

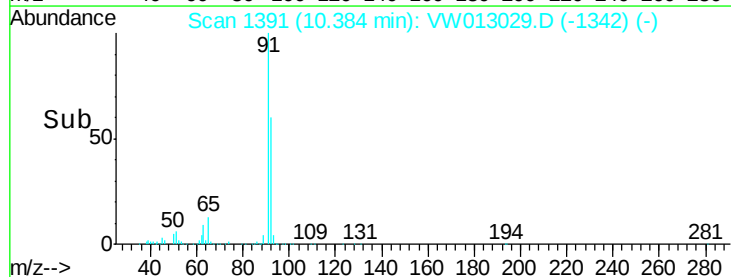
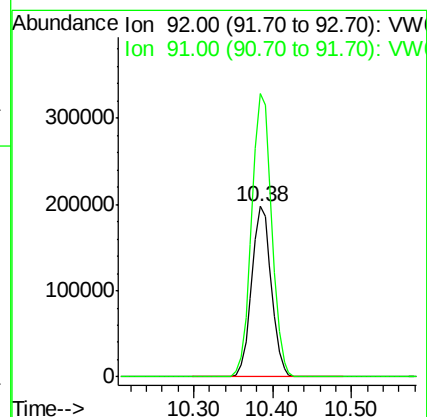
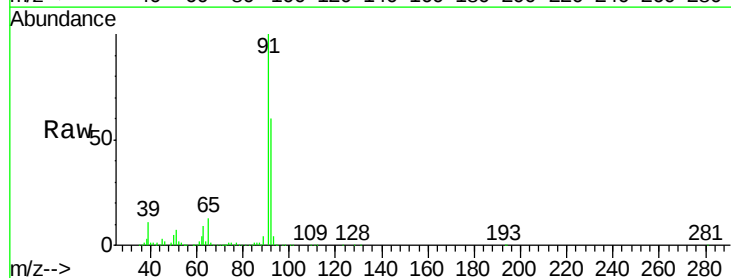
Acq: 15 Sep 2019 08:19

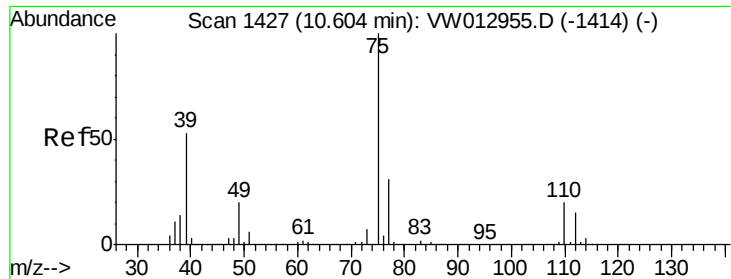
Tgt Ion: 92 Resp: 342867

Ion Ratio Lower Upper

92 100

91 169.5 137.5 206.3





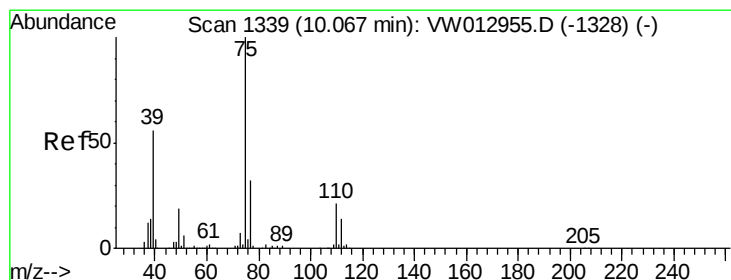
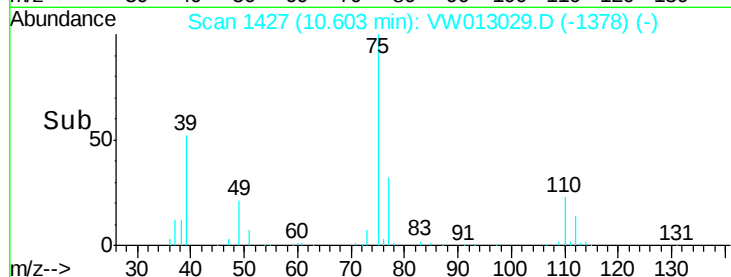
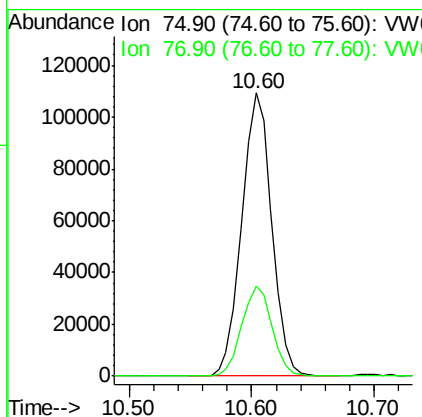
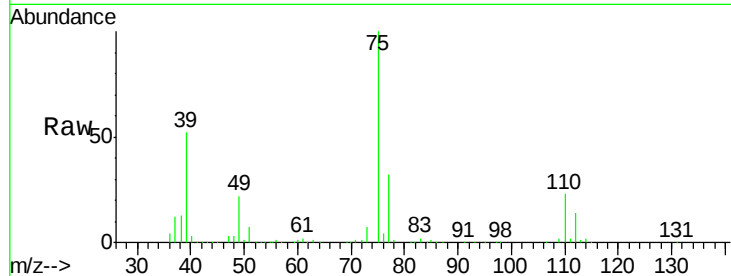
#53
t-1,3-Dichloropropene
Concen: 50.544 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 185587
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

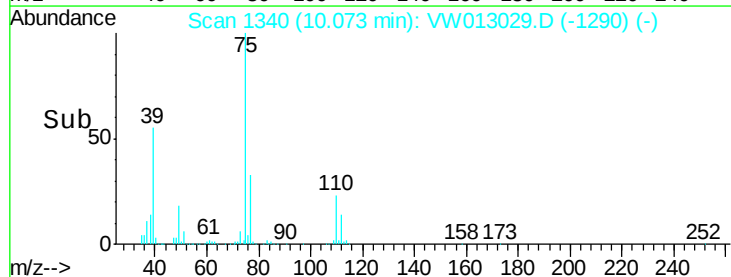
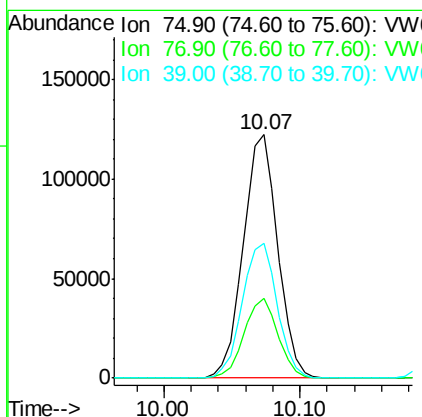
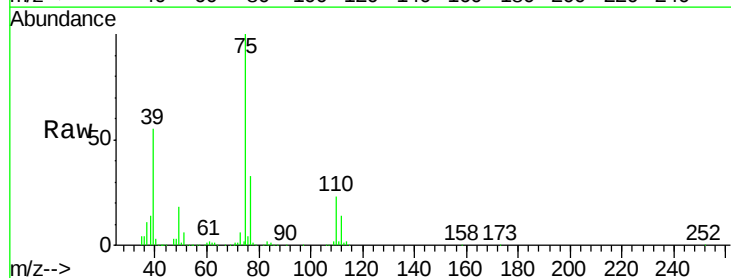
Manual Integrations
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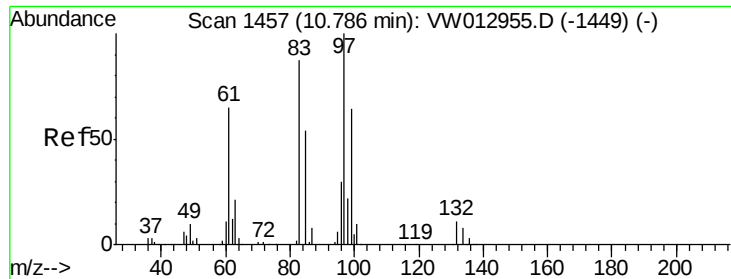
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#54
cis-1,3-Dichloropropene
Concen: 51.655 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 75 Resp: 217014
Ion Ratio Lower Upper
75 100
77 32.5 25.5 38.3
39 55.4 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 55.768 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

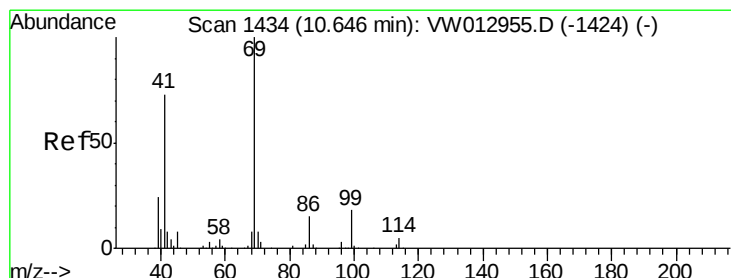
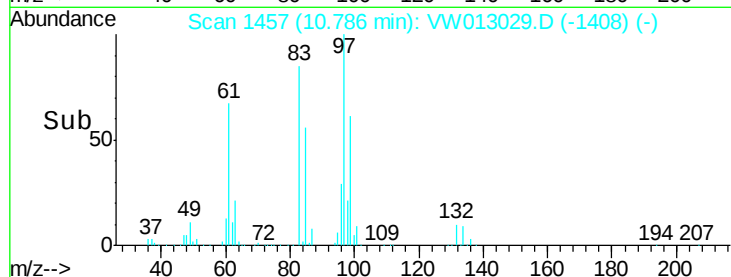
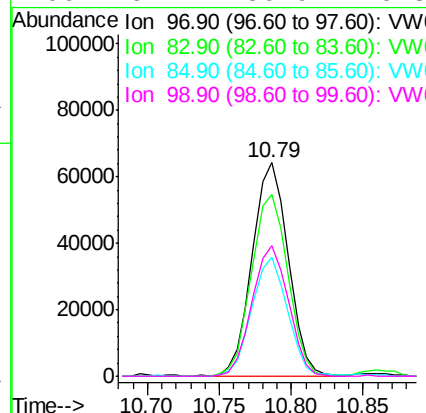
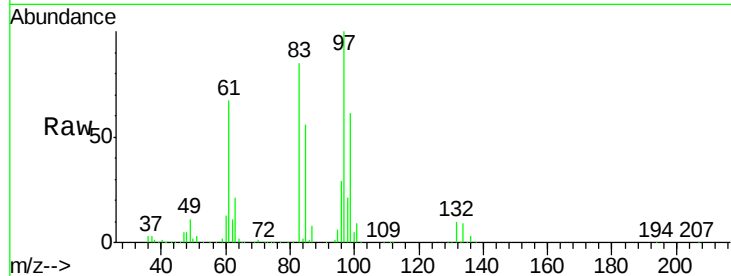
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	110577
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.4	104.0
85	55.7	43.3	64.9
99	61.4	50.9	76.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 58.304 ug/l

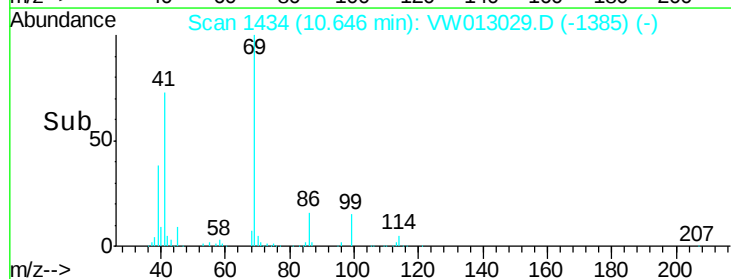
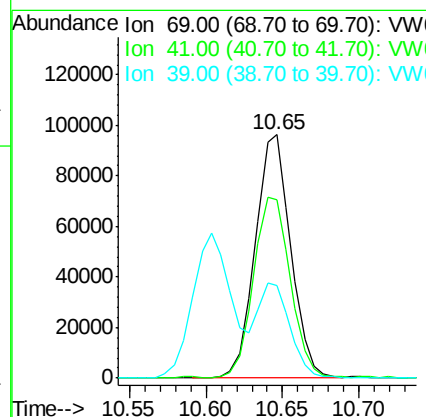
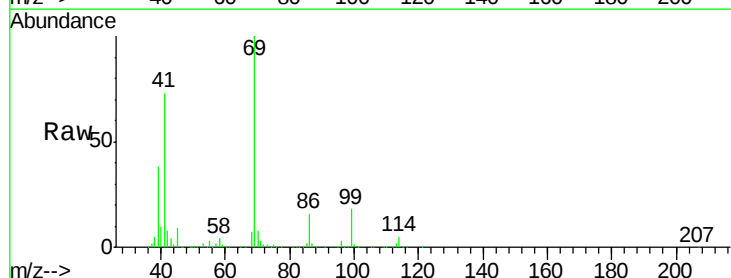
RT: 10.65 min Scan# 1434

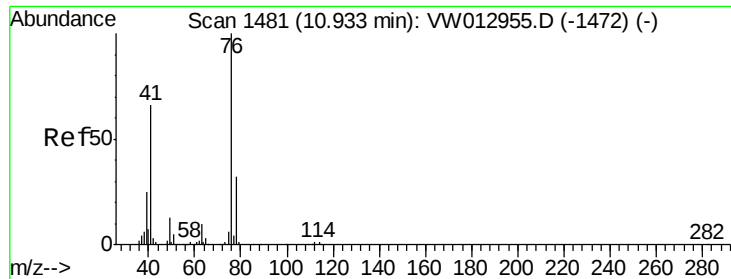
Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion:	69	Resp:	155607
Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.8	91.2
39	34.9	29.4	44.0





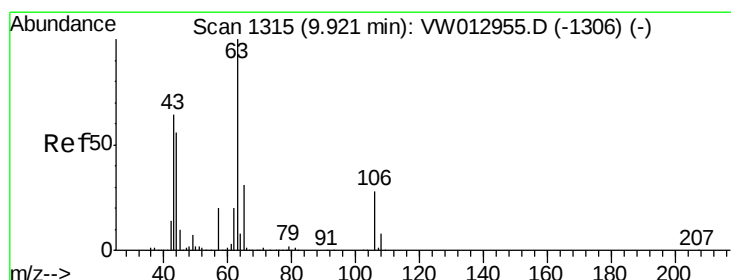
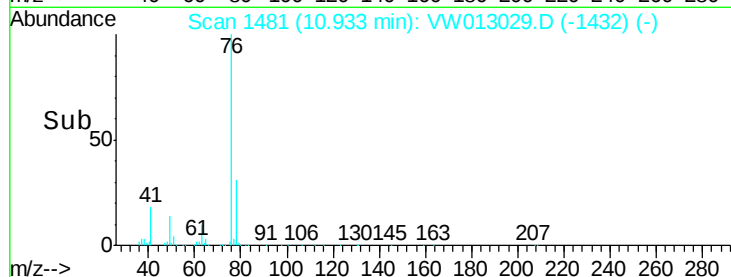
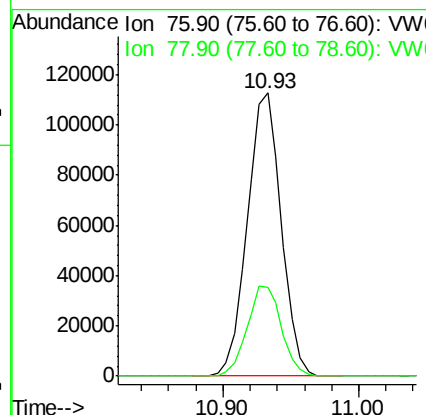
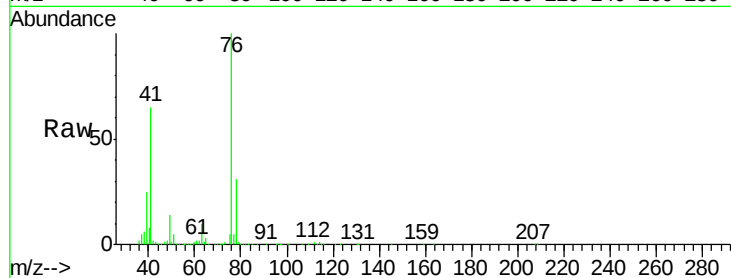
#57
 1,3-Dichloropropane
 Concen: 55.701 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4

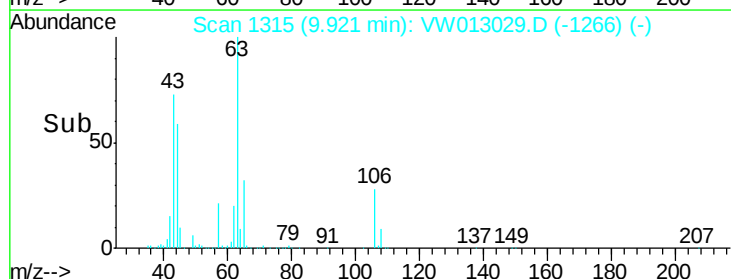
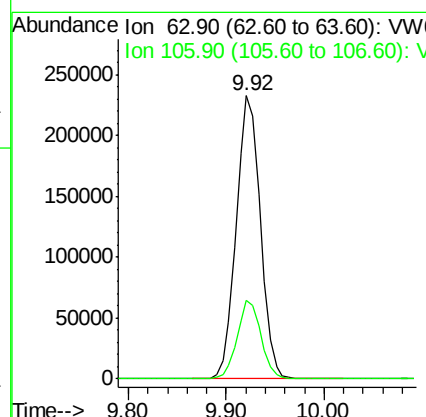
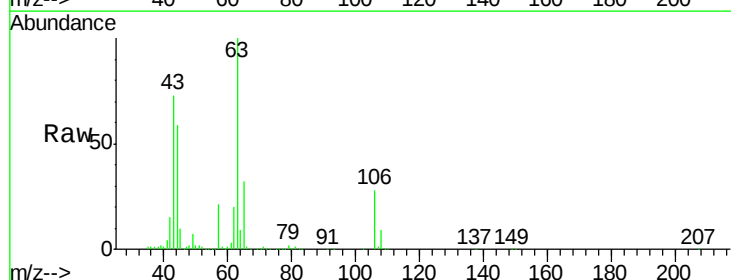
Manual Integrations
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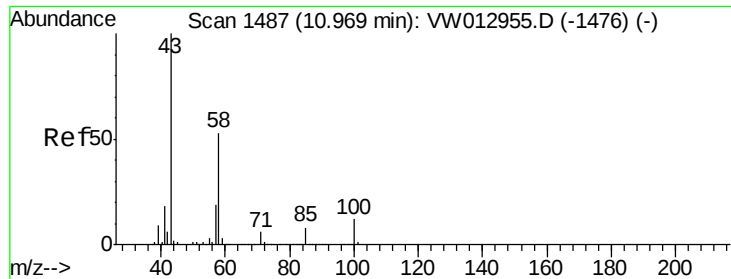
MMDadoda
 9/16/2019 11:14:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.248 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.2	33.2





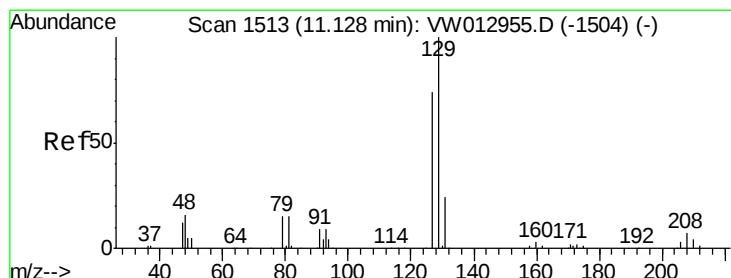
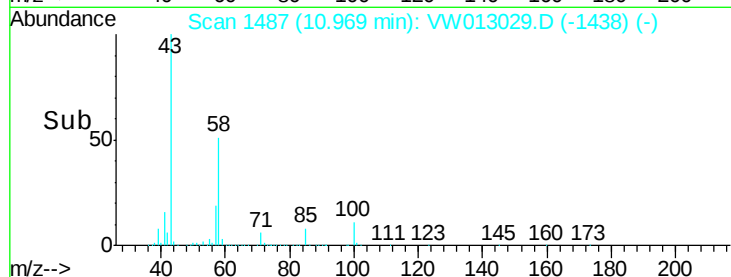
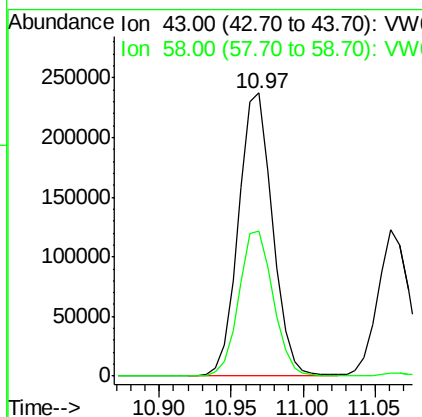
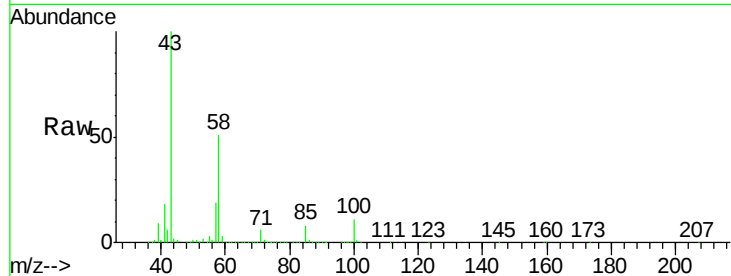
#59
2-Hexanone
Concen: 289.276 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 388186
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3

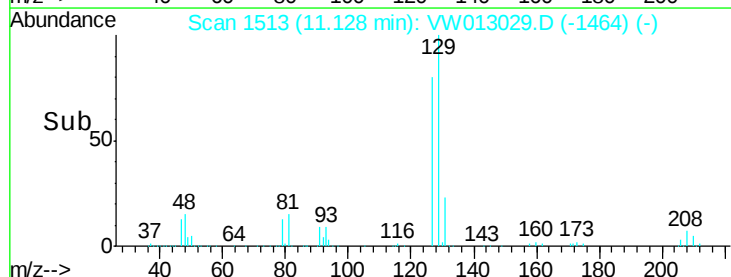
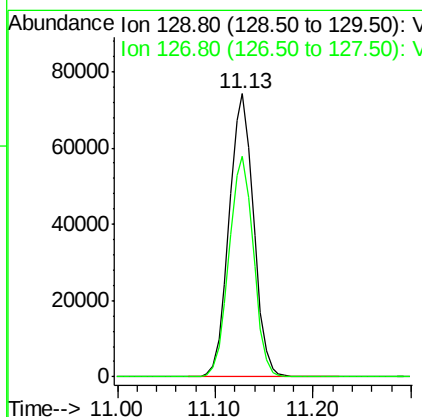
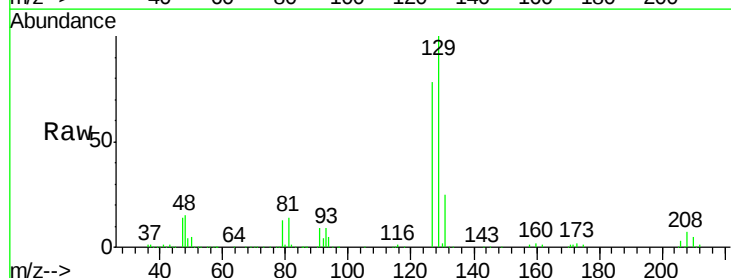
Manual Integrations
APPROVED

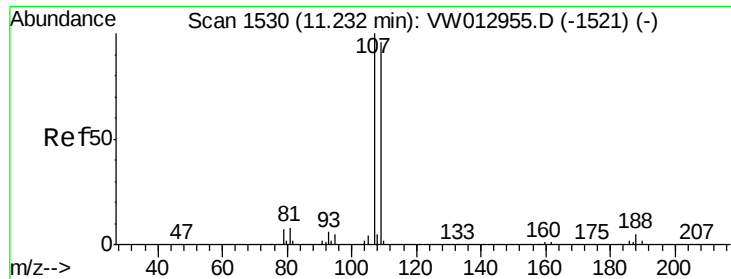
MMDadoda
9/16/2019 11:14:58 AM



#60
Dibromochloromethane
Concen: 53.773 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 129 Resp: 128905
Ion Ratio Lower Upper
129 100
127 77.7 37.4 112.2





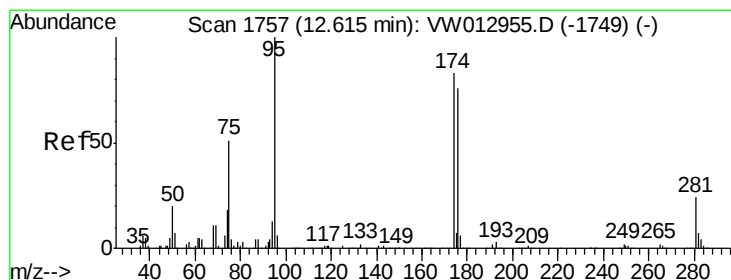
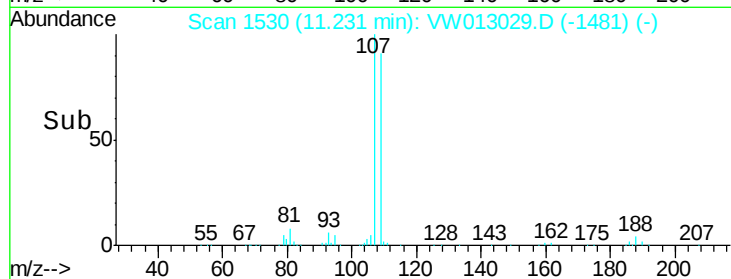
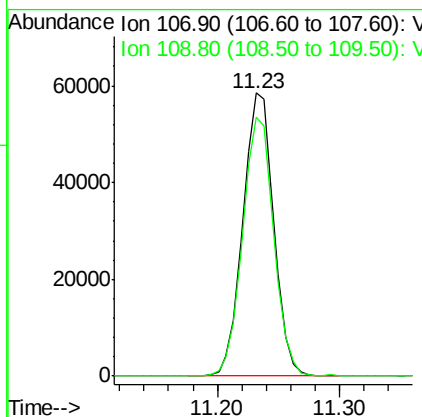
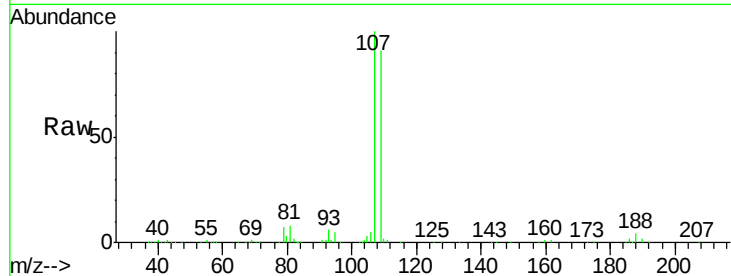
#61
 1,2-Dibromoethane
 Concen: 56.540 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.0	112.6

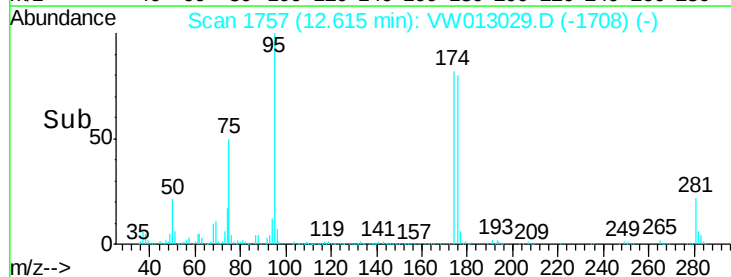
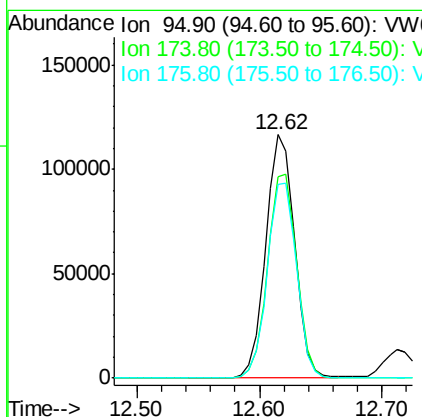
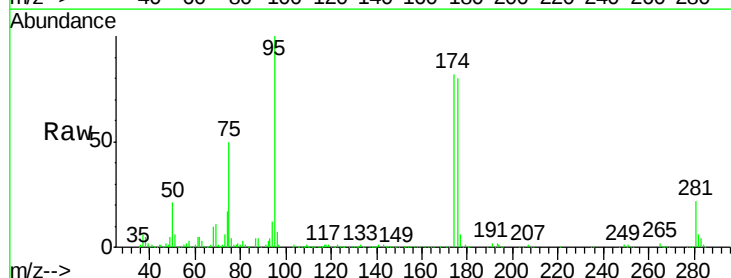
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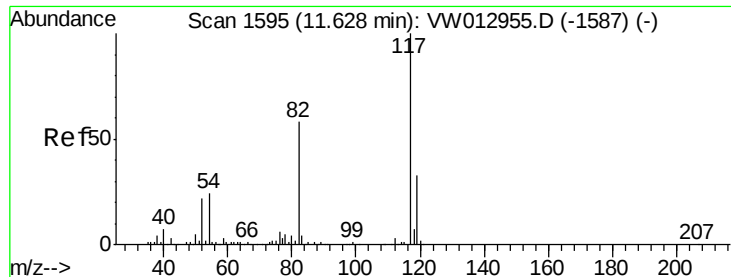
MMDadoda
 9/16/2019 11:14:58 AM



#62
 4-Bromofluorobenzene
 Concen: 54.688 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.4
176	81.1	0.0	164.6





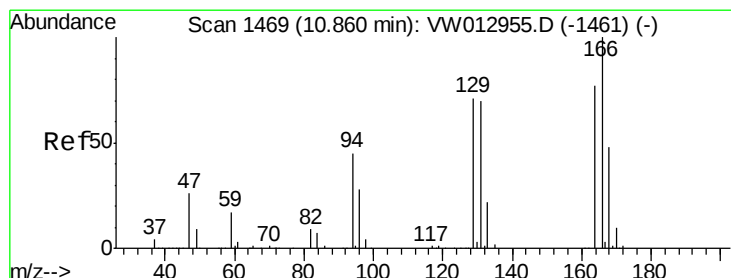
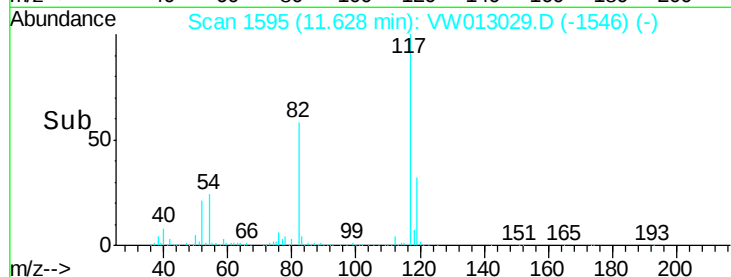
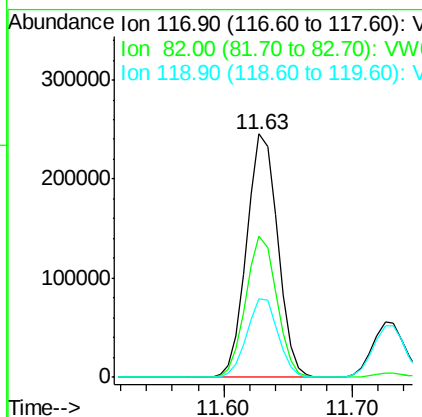
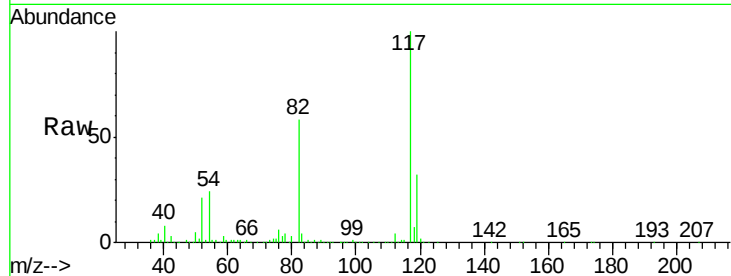
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	408811		
82	58.3	46.3	69.5	
119	32.2	26.2	39.4	

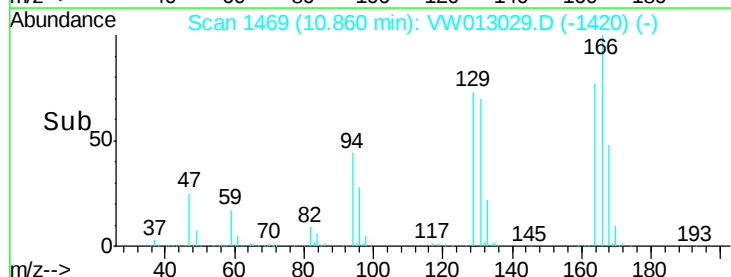
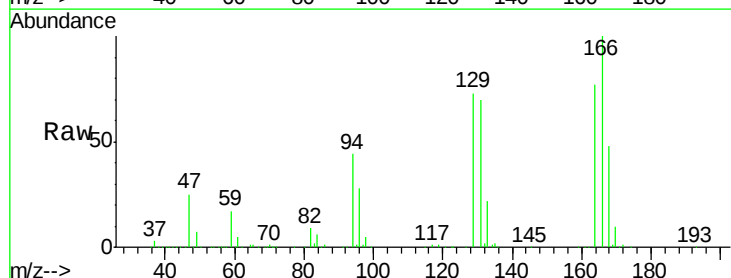
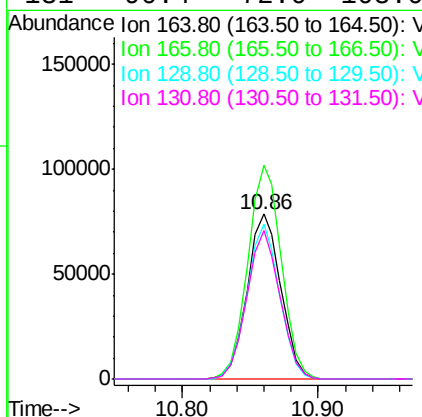
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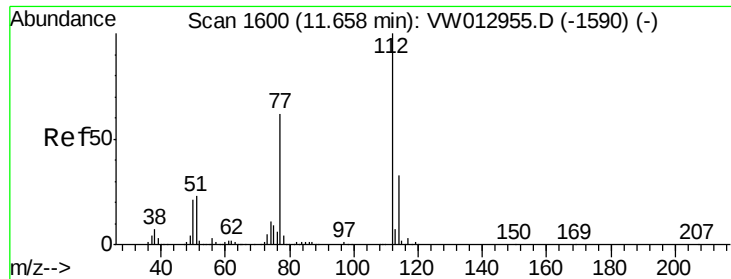
MMDadoda
9/16/2019 11:14:58 AM



#64
Tetrachloroethene
Concen: 56.034 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136277		
166	129.5	103.3	154.9	
129	94.0	73.8	110.8	
131	90.4	72.0	108.0	





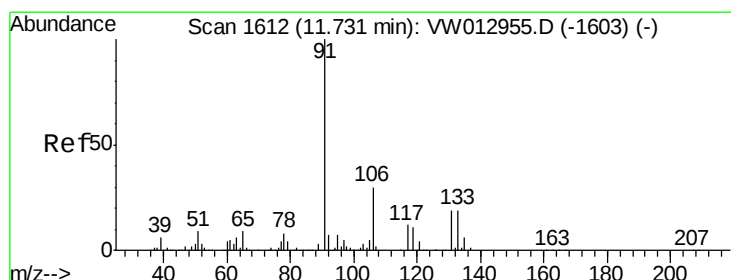
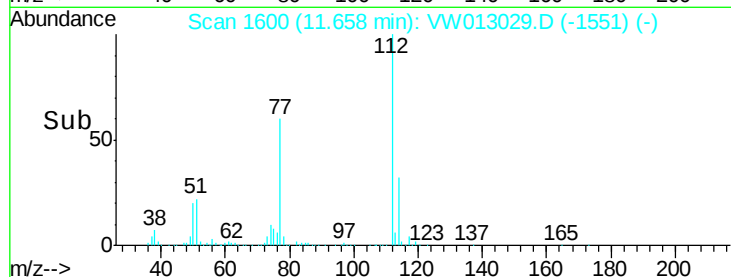
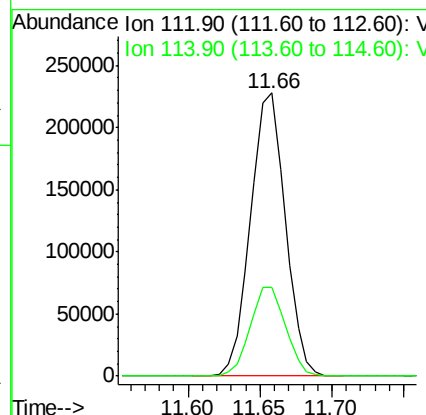
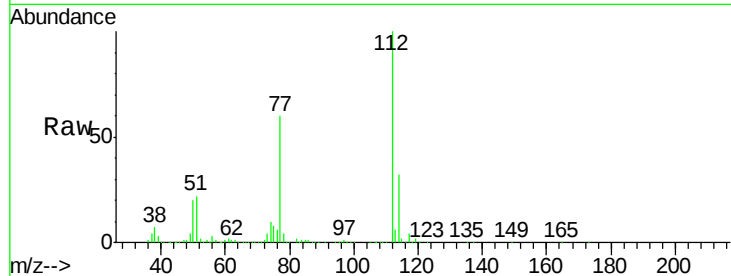
#65
Chlorobenzene
Concen: 52.284 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.4	39.6

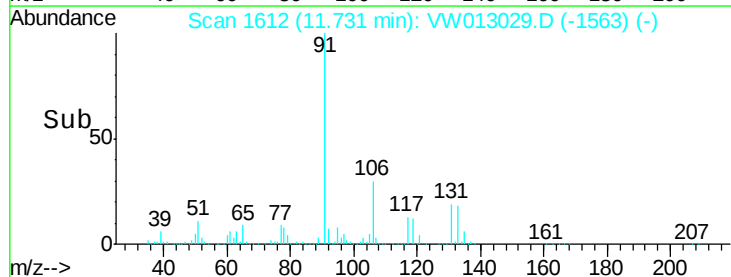
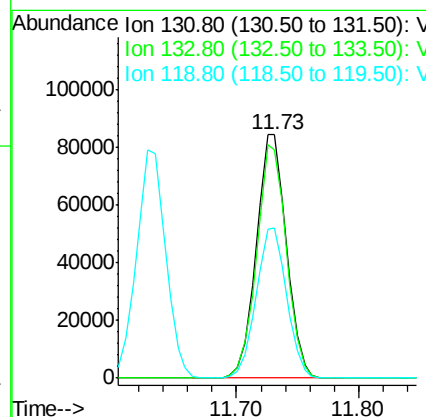
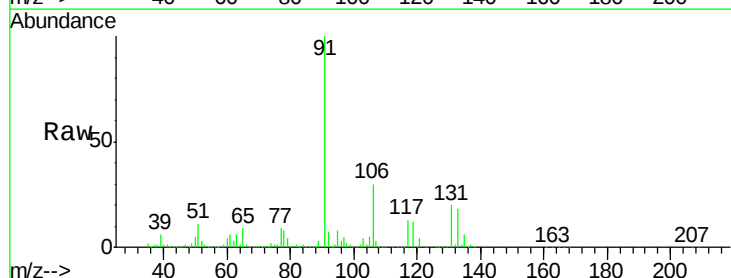
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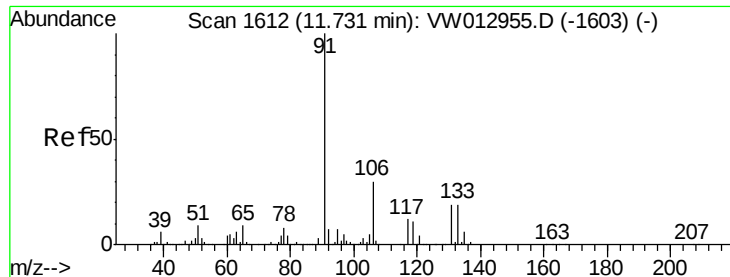
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.847 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.9	143.8
119	62.7	30.9	92.7





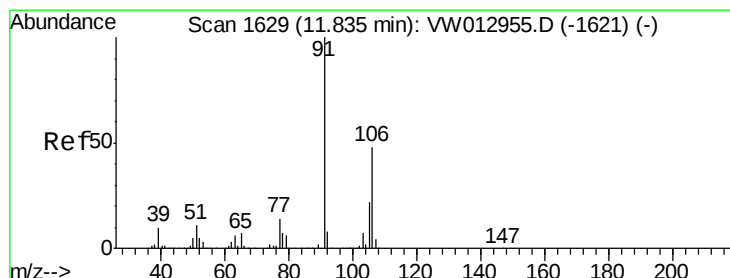
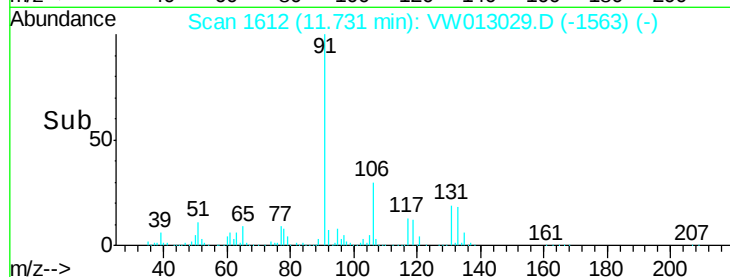
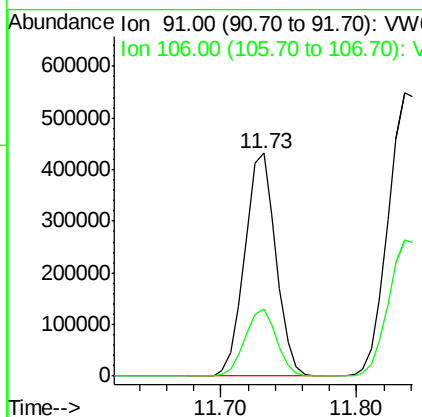
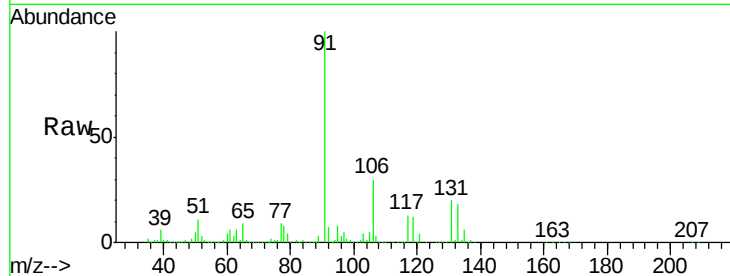
#67
Ethyl Benzene
Concen: 51.576 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		693629		
106	30.1	24.3	36.5		

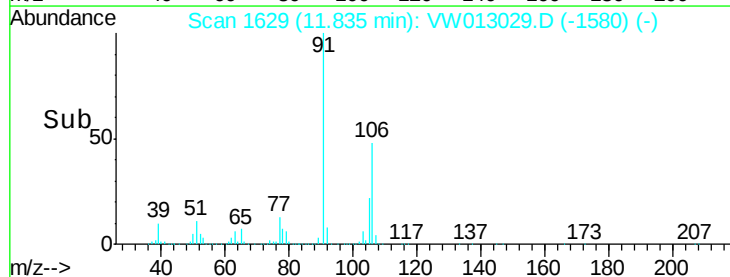
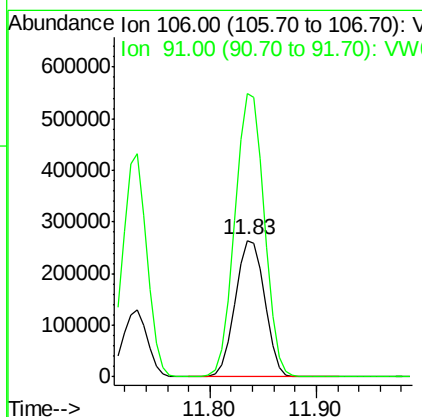
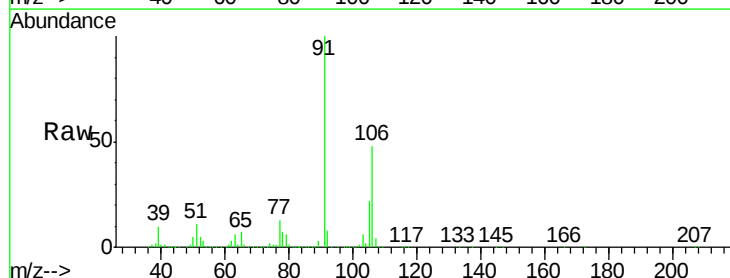
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#68
m/p-Xylenes
Concen: 104.953 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		515632		
91	206.8	165.8	248.8		





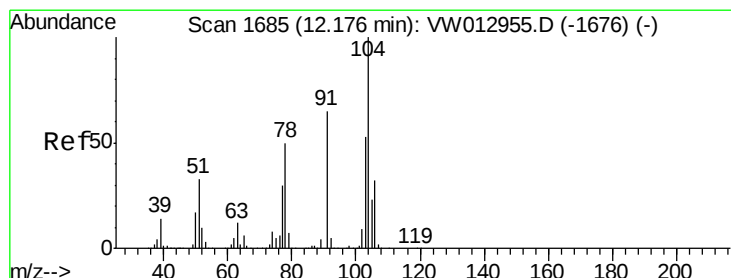
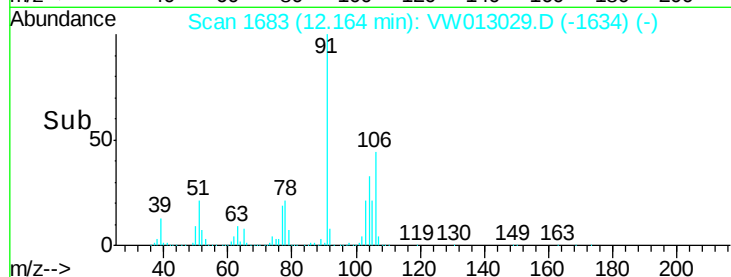
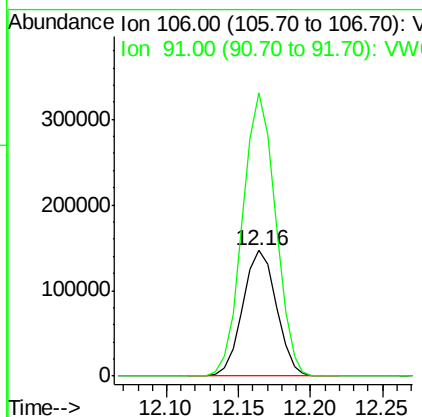
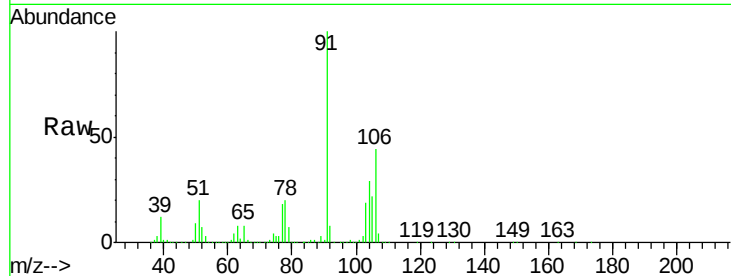
#69
o-Xylene
Concen: 51.714 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.7	329.0

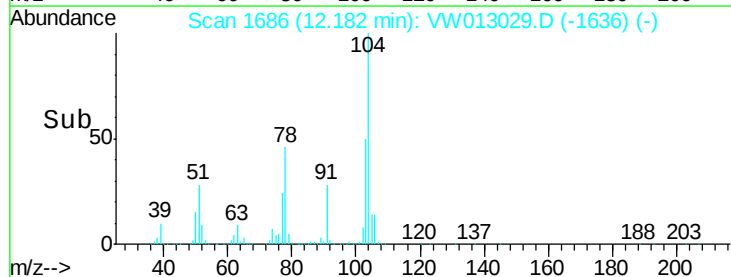
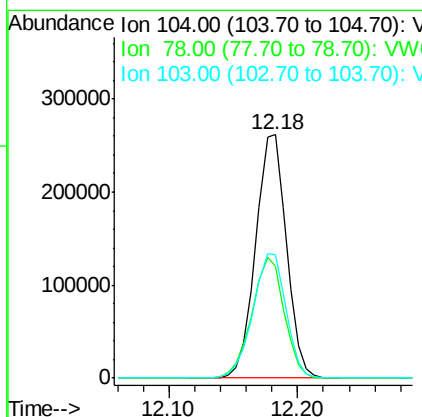
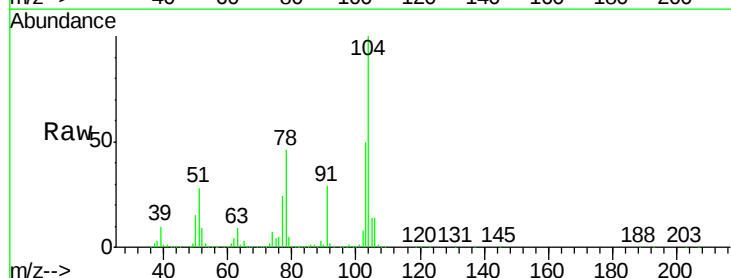
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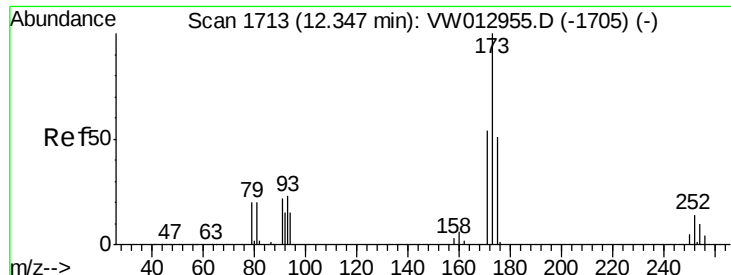
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#70
Styrene
Concen: 52.691 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.1	63.1
103	54.8	44.2	66.4





#71

Bromoform

Concen: 54.748 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 80248

Ion Ratio Lower Upper

173 100

175 47.9 24.2 72.6

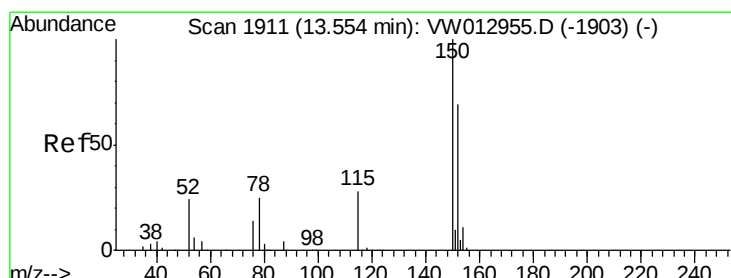
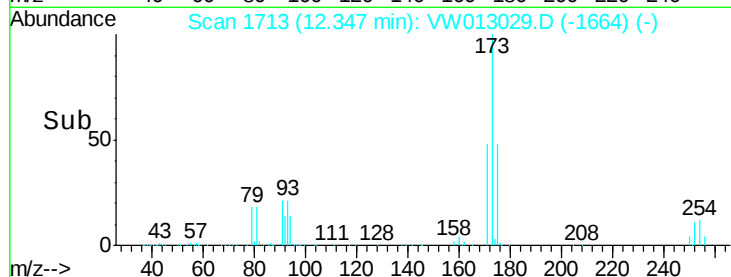
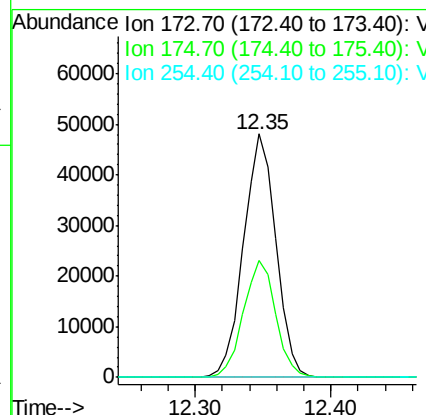
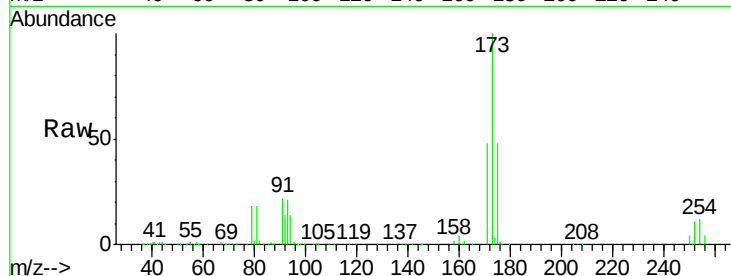
254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

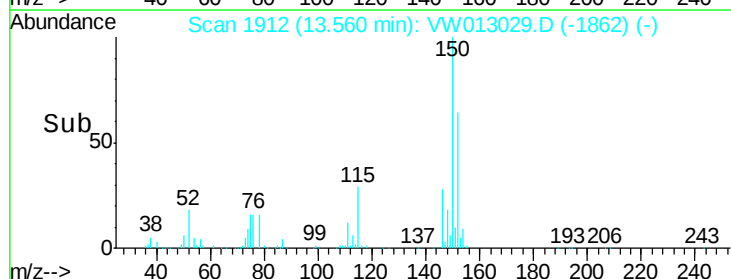
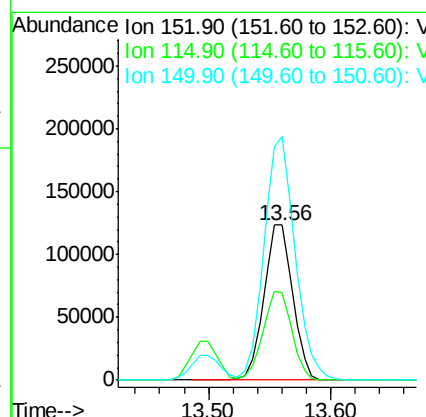
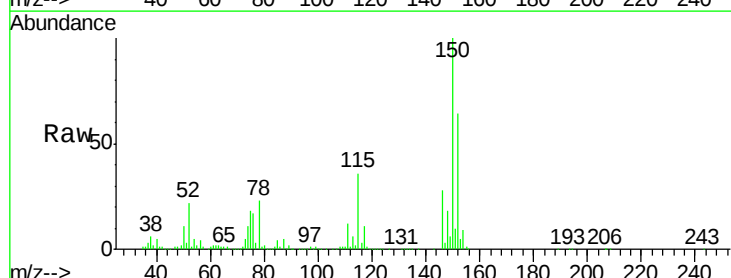
Tgt Ion:152 Resp: 202200

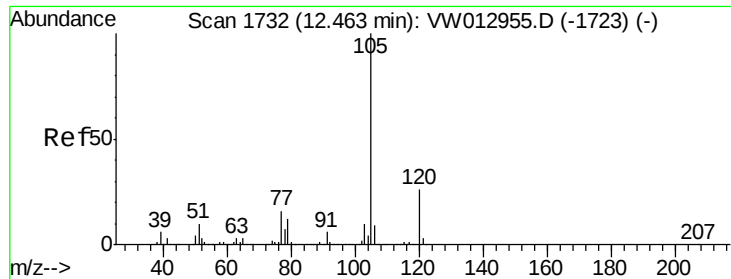
Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.4

150 169.2 0.0 340.2





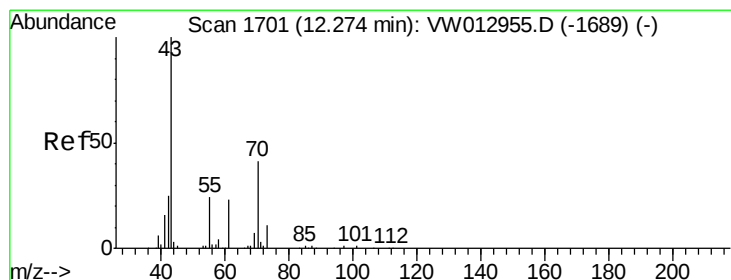
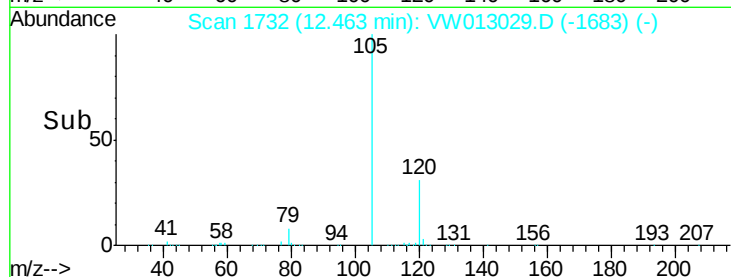
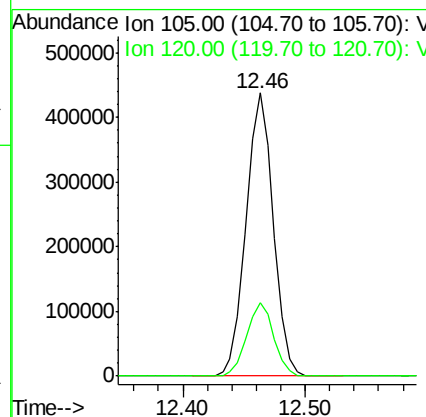
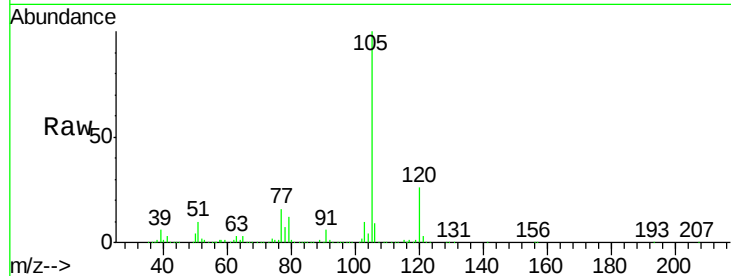
#73
Isopropylbenzene
Concen: 50.359 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0

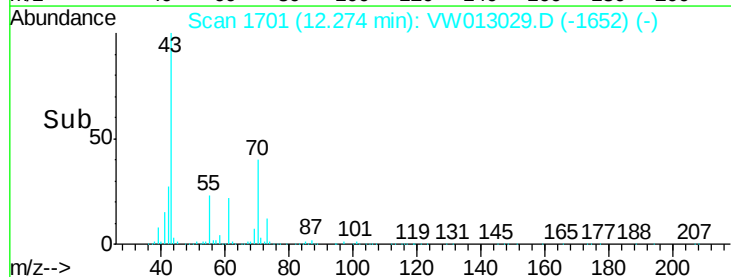
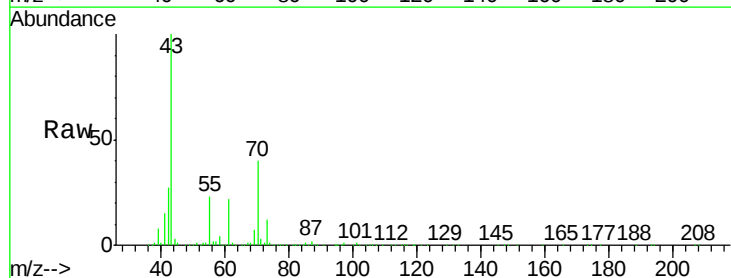
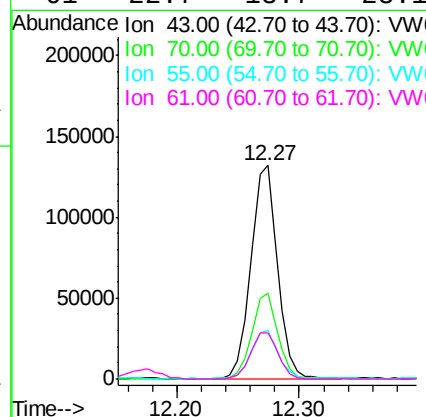
Manual Integrations
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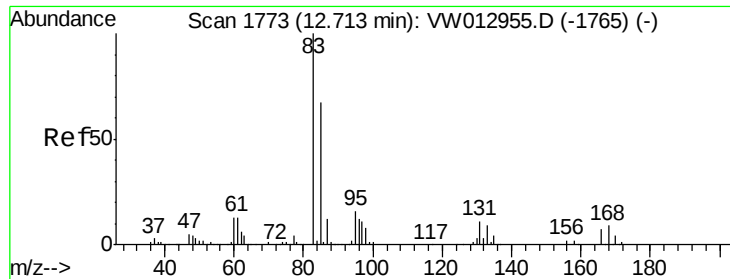
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#74
N-ethyl acetate
Concen: 58.033 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.3	31.7	47.5
55	22.8	19.4	29.2
61	22.7	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.614 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

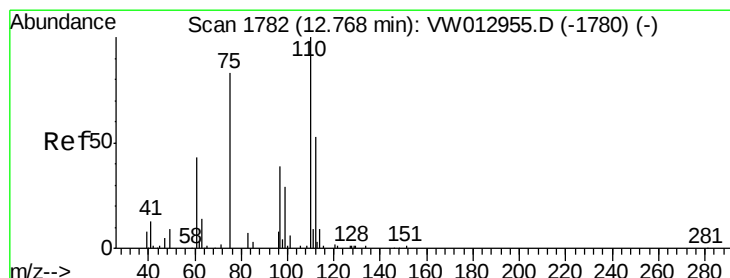
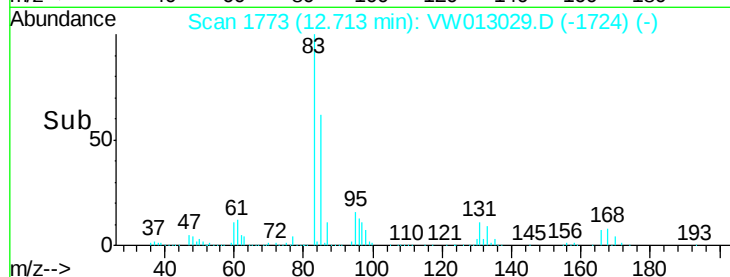
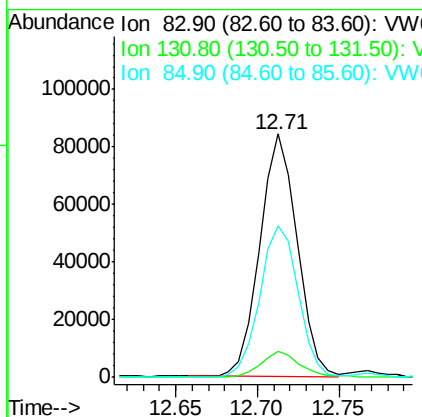
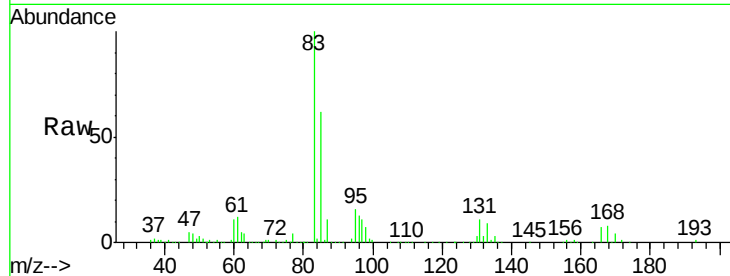
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	133267
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.1
85	64.5	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.666 ug/l m

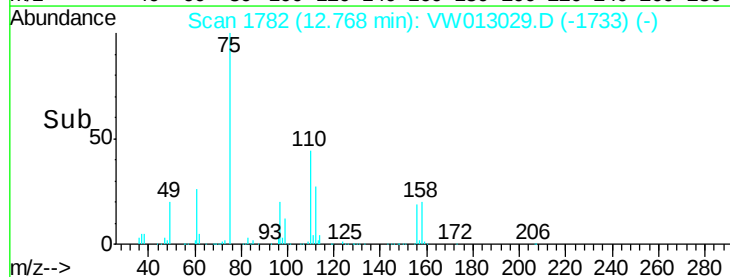
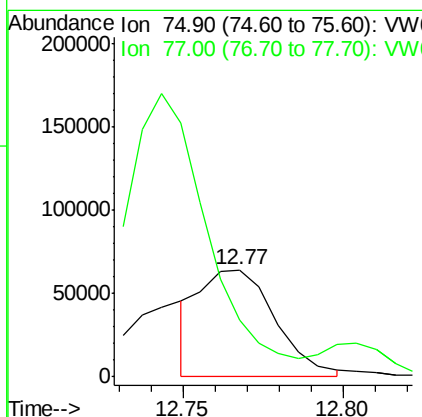
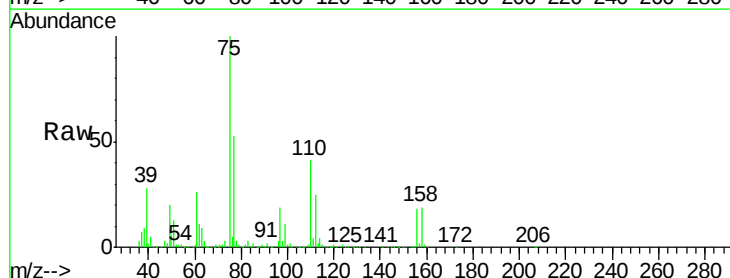
RT: 12.77 min Scan# 1782

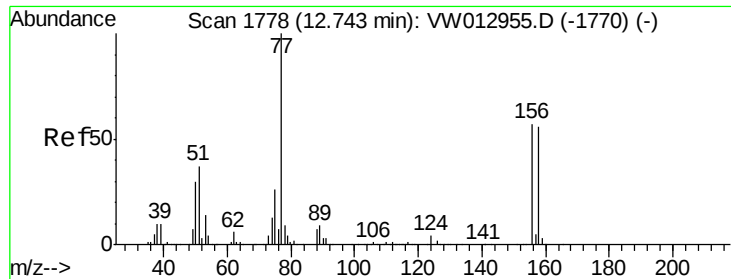
Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion:	75	Resp:	105675
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.933 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

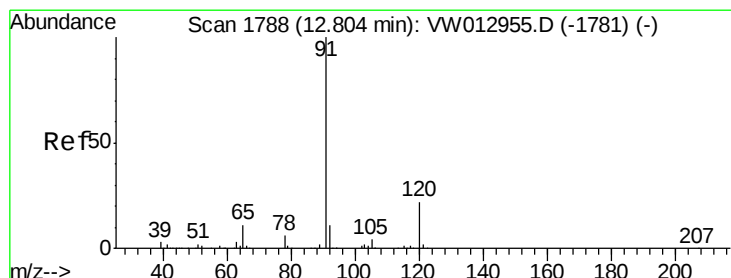
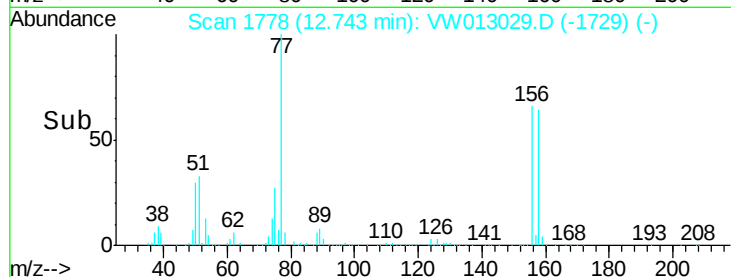
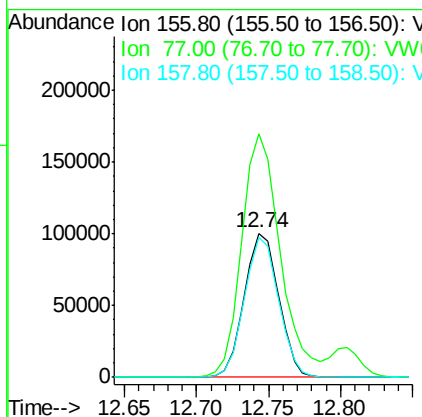
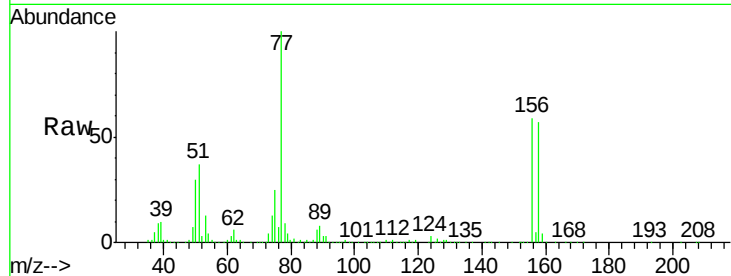
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	166522
Ion Ratio	Lower	Upper	
156	100		
77	188.3	95.2	285.6
158	96.3	49.0	147.2

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#78

n-propylbenzene

Concen: 50.466 ug/l

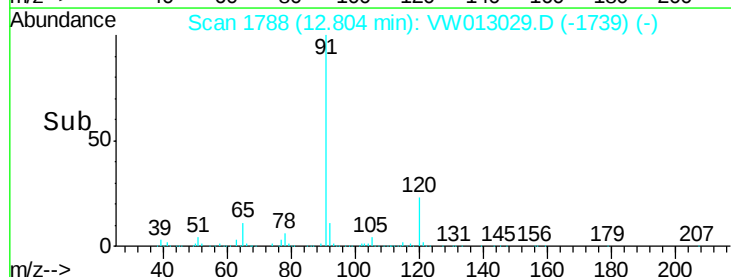
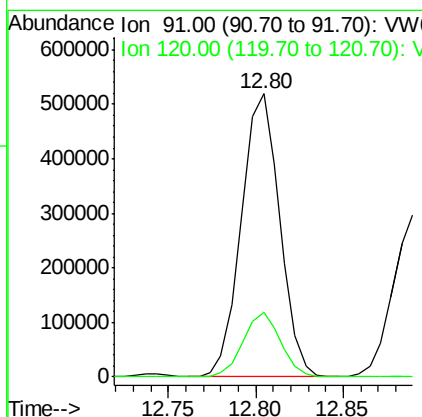
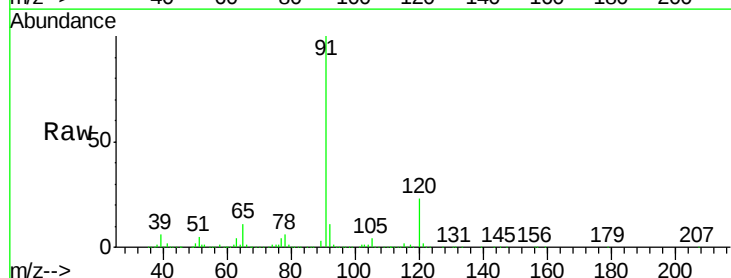
RT: 12.80 min Scan# 1788

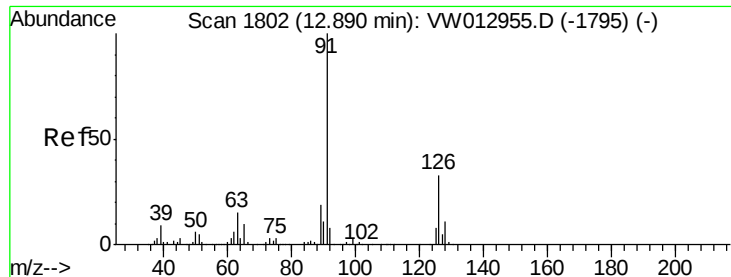
Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion:	91	Resp:	795610
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 52.248 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 473509

Ion Ratio Lower Upper

91 100

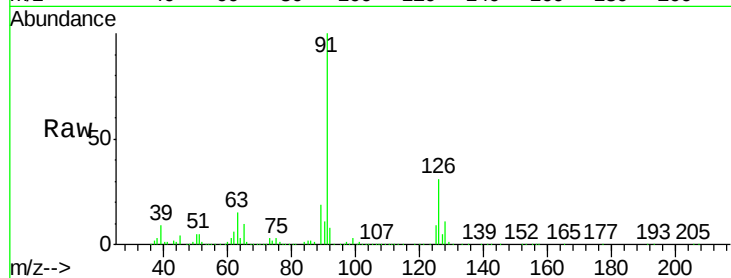
126 32.4 16.5 49.5

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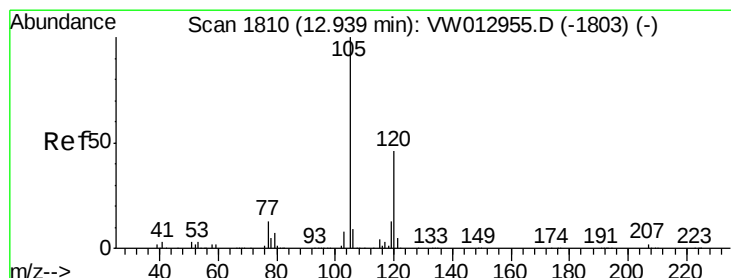
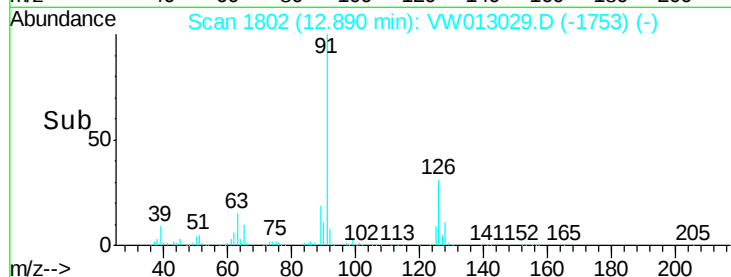
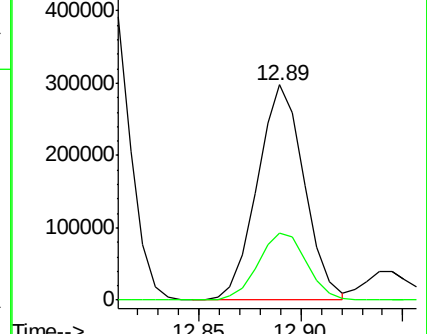
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.839 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW013029.D

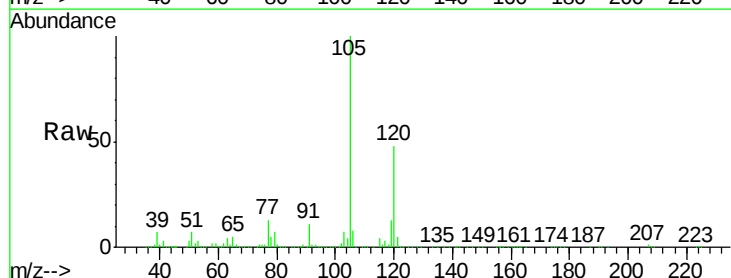
Acq: 15 Sep 2019 08:19

Tgt Ion:105 Resp: 587775

Ion Ratio Lower Upper

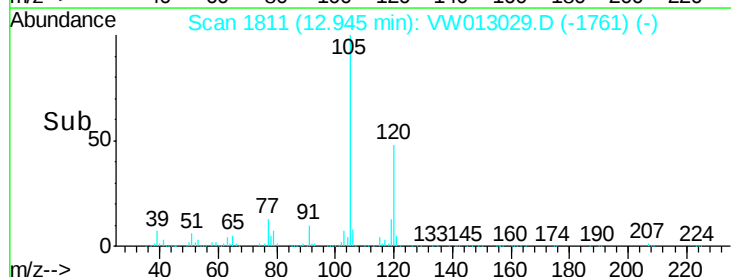
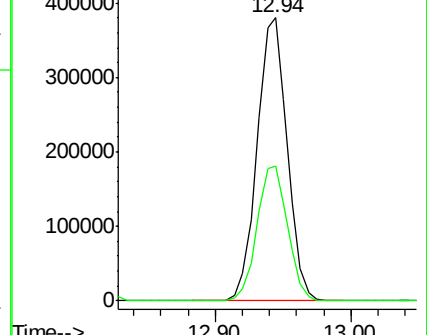
105 100

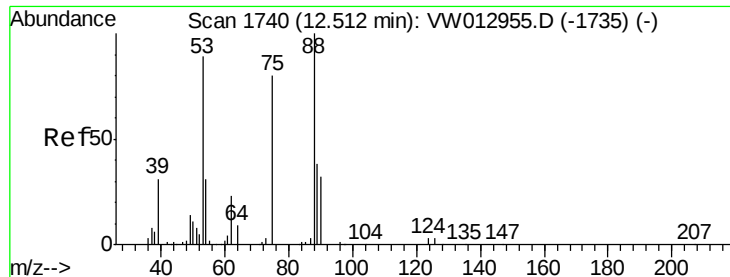
120 48.6 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





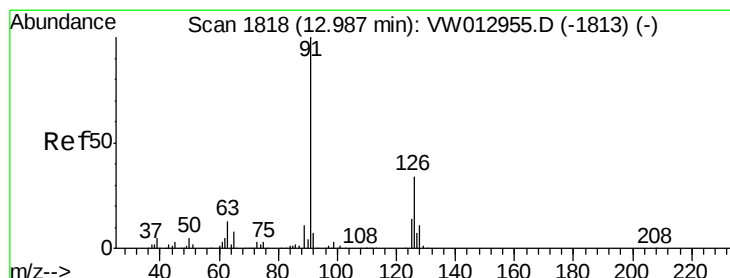
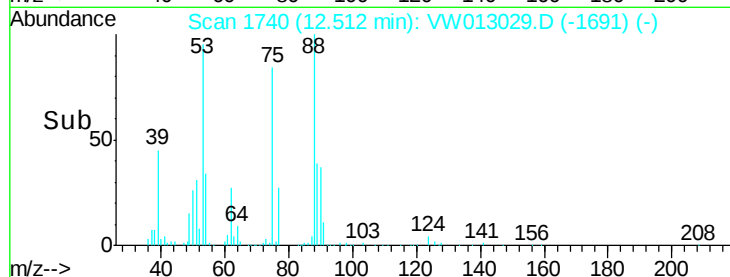
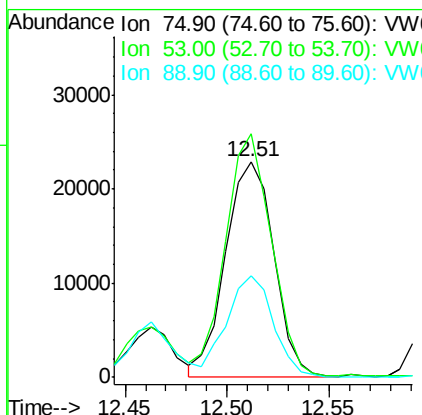
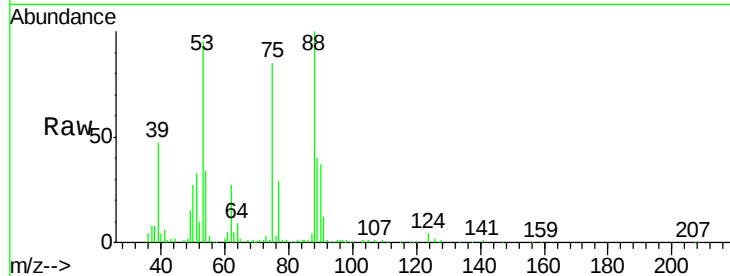
#81
trans-1,4-Dichloro-2-butene
Concen: 48.347 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.9	85.6	128.4
89	45.2	37.2	55.8

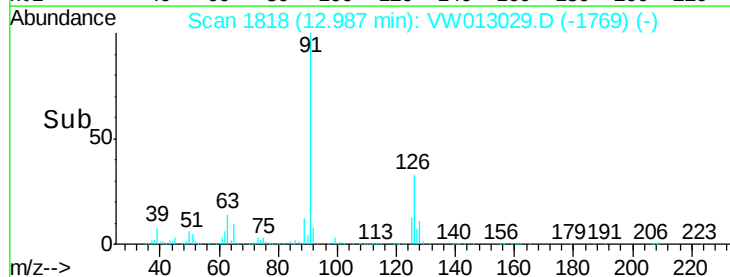
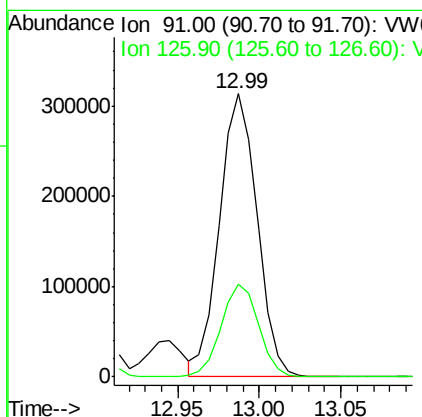
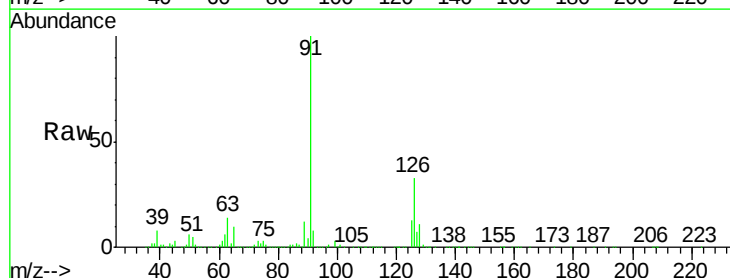
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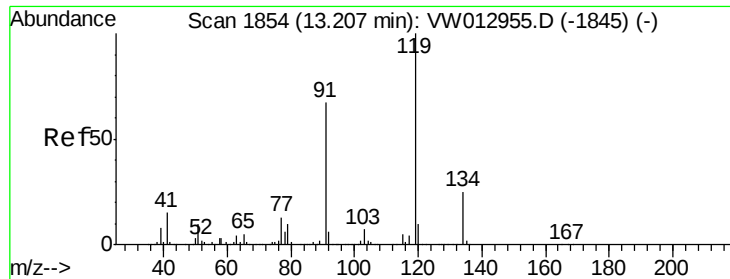
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#82
4-Chlorotoluene
Concen: 52.424 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.1	48.3





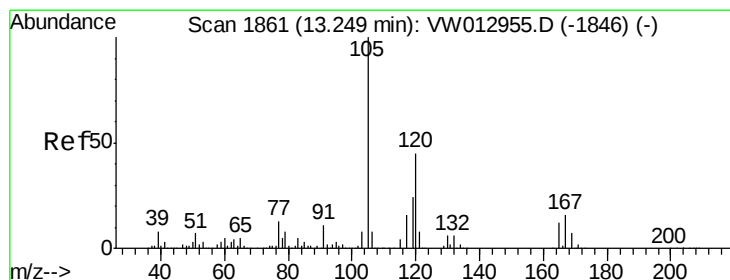
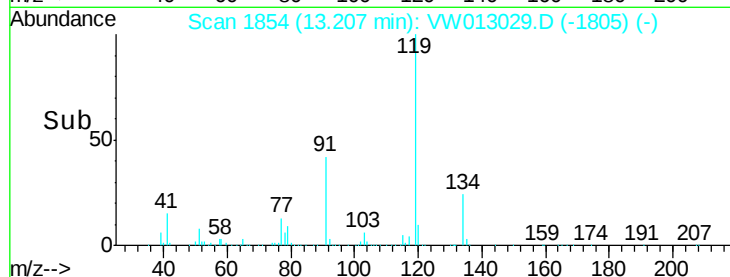
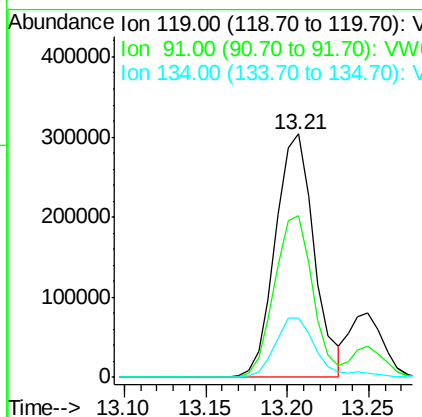
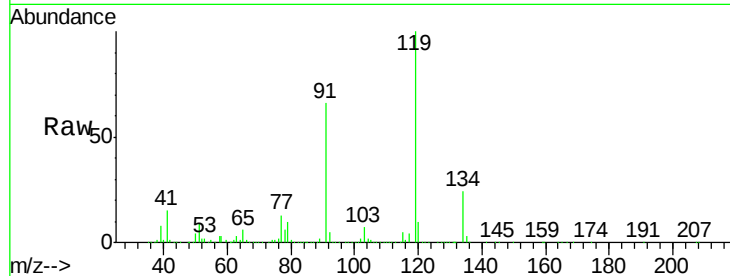
#83
tert-Butylbenzene
Concen: 49.175 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	498727		
91	65.7	32.6	98.0	
134	26.0	12.4	37.4	

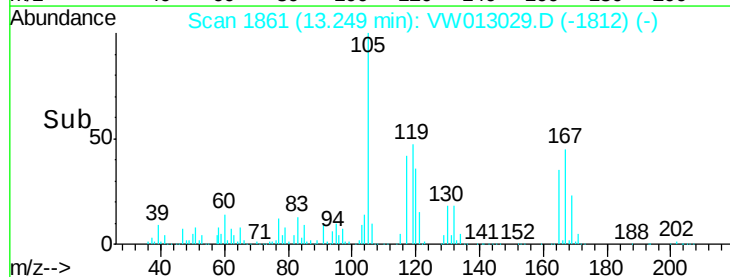
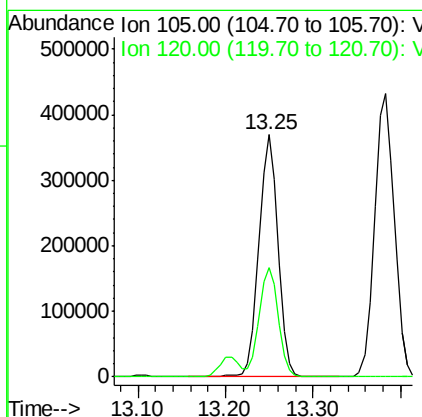
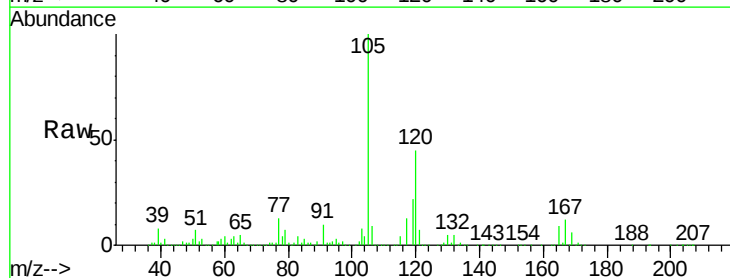
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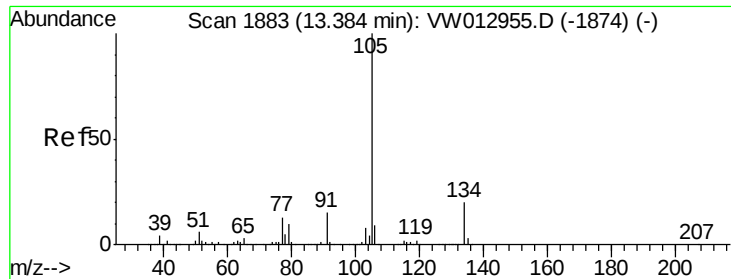
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#84
1,2,4-Trimethylbenzene
Concen: 49.964 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	559807		
120	44.7	21.9	65.7	





#85

sec-Butylbenzene

Concen: 48.880 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 675405

Ion Ratio Lower Upper

105 100

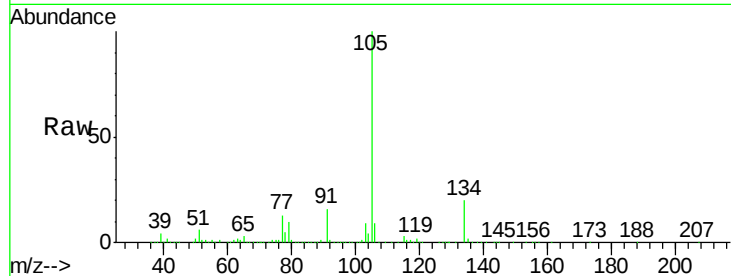
134 19.9 10.2 30.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

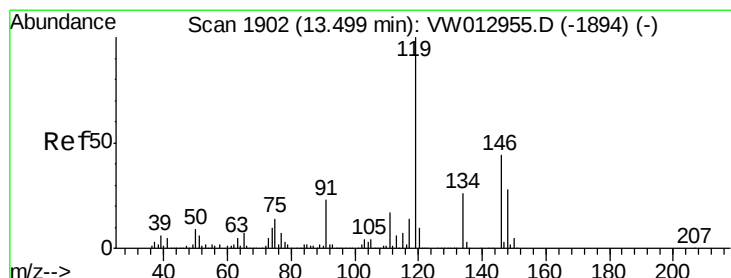
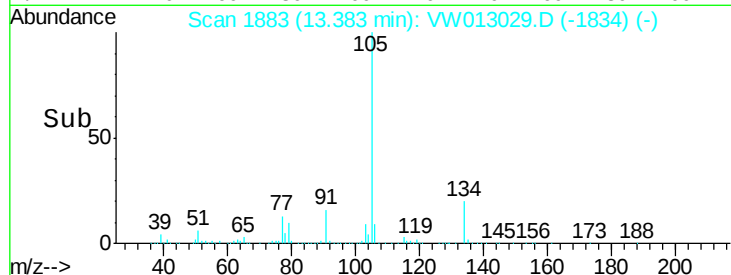
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.052 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

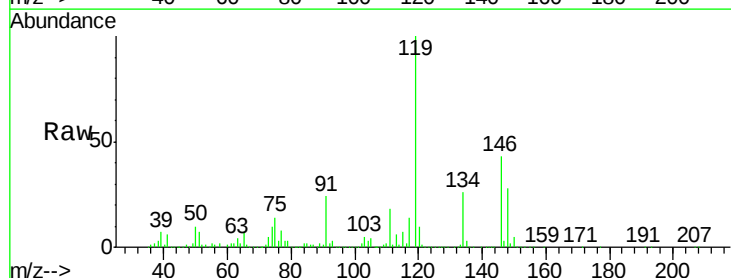
Tgt Ion:119 Resp: 634966

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 23.2 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.49

400000

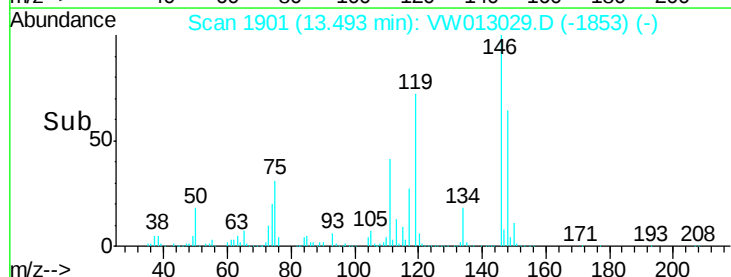
300000

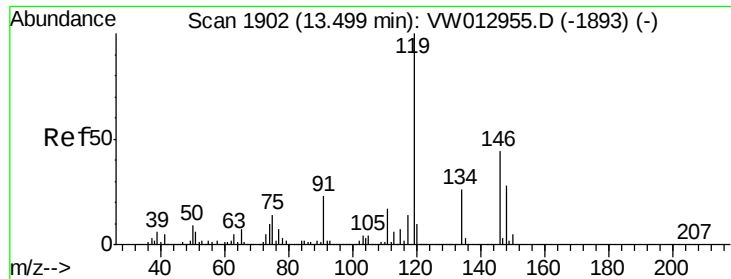
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.408 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

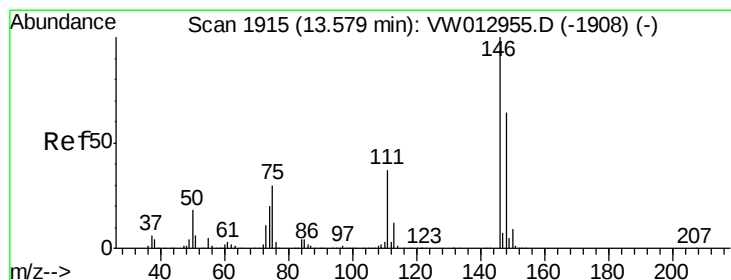
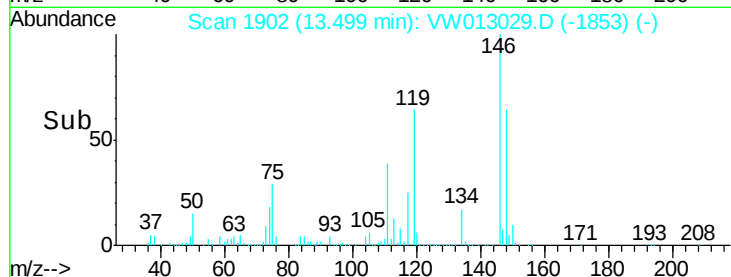
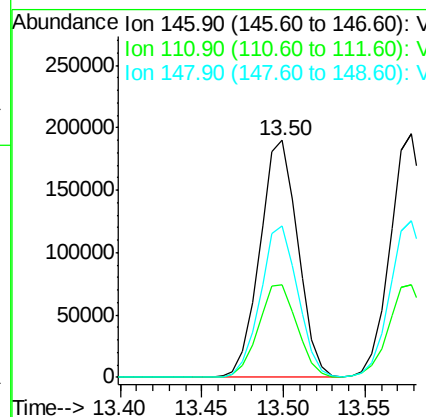
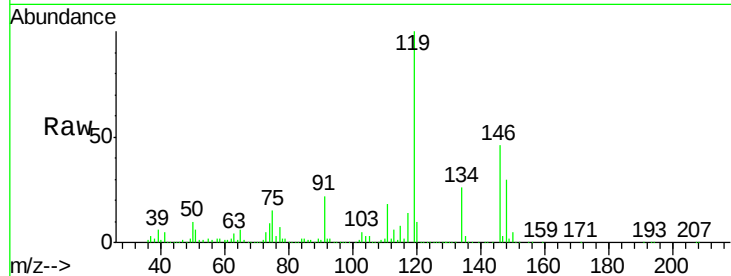
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	308099
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.8	59.4
148	63.1	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 51.557 ug/l

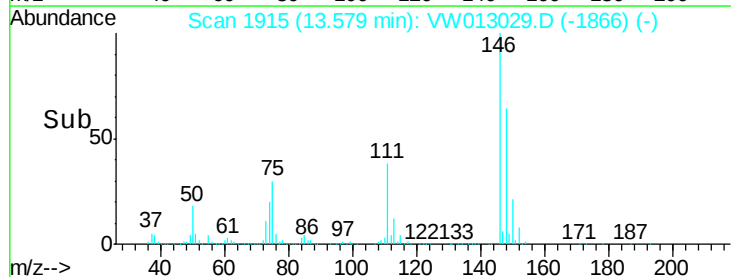
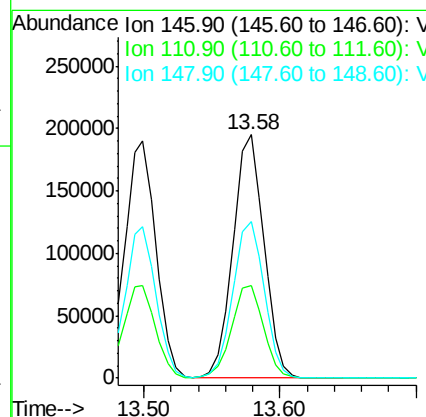
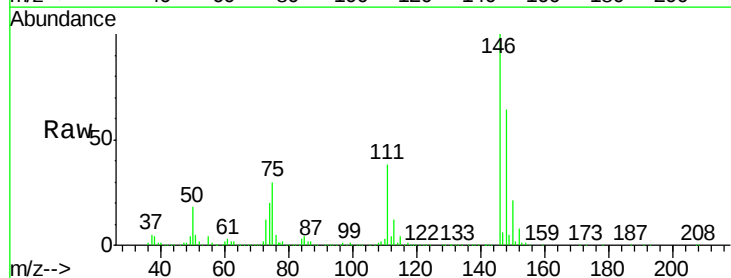
RT: 13.58 min Scan# 1915

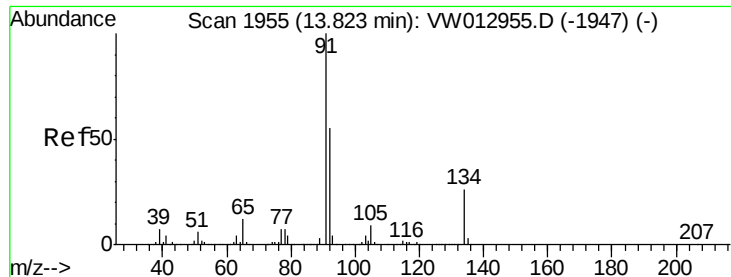
Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion:	146	Resp:	309669
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.4	58.2
148	65.2	31.9	95.5





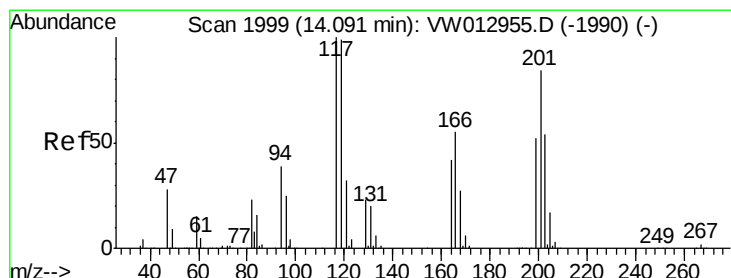
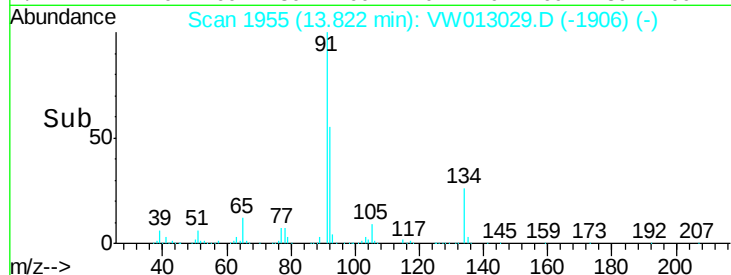
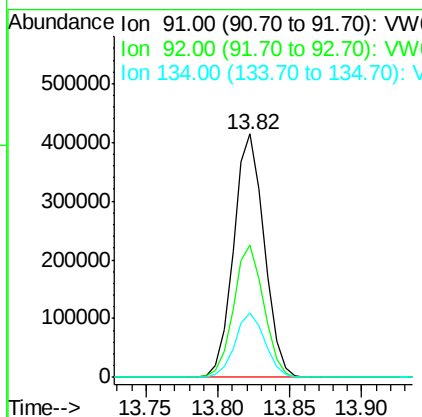
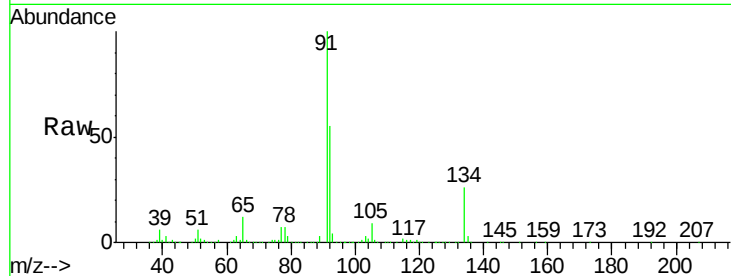
#89
n-Butylbenzene
Concen: 51.078 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	611108		
92	53.9	27.2	81.5	
134	26.0	13.1	39.1	

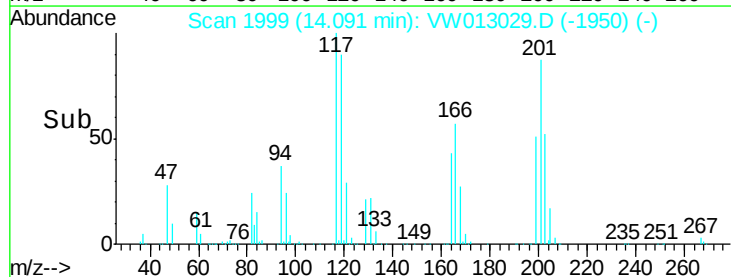
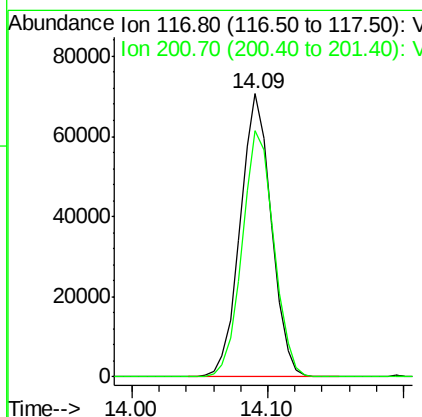
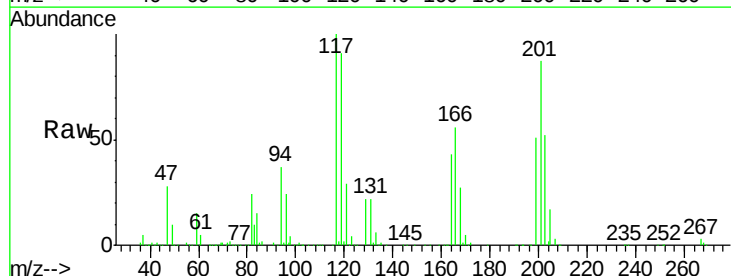
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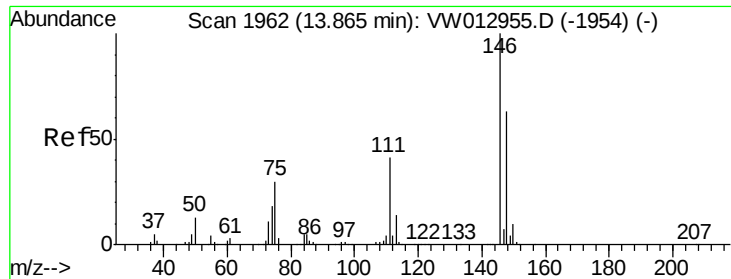
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#90
Hexachloroethane
Concen: 49.655 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	112886		
201	88.6	45.3	135.9	





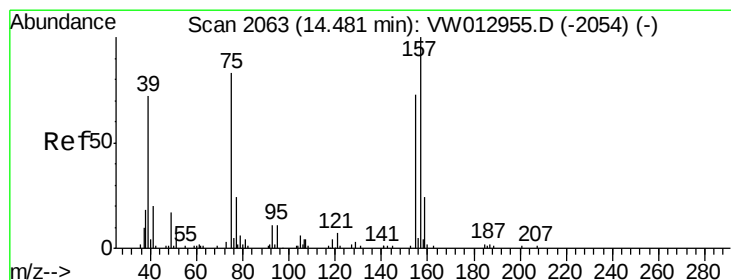
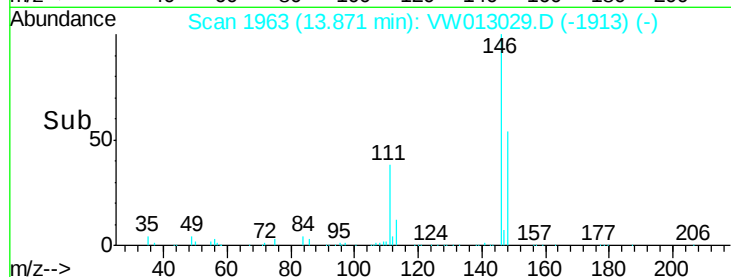
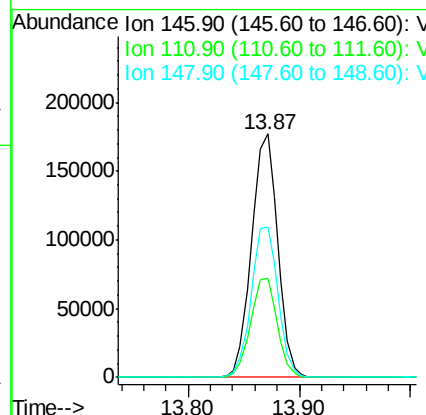
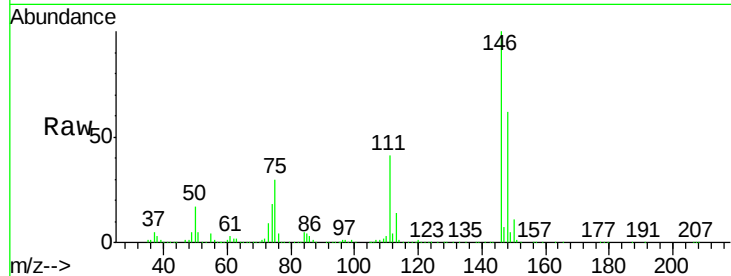
#91
 1,2-Dichlorobenzene
 Concen: 53.983 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.5
148	63.3	32.7	98.1

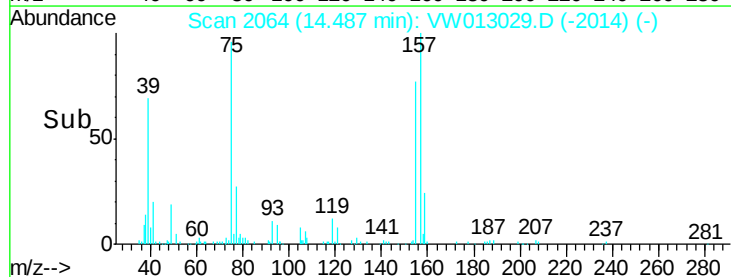
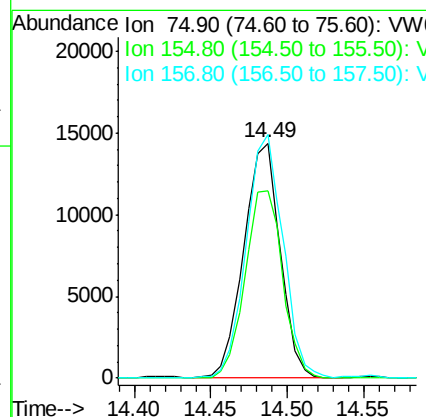
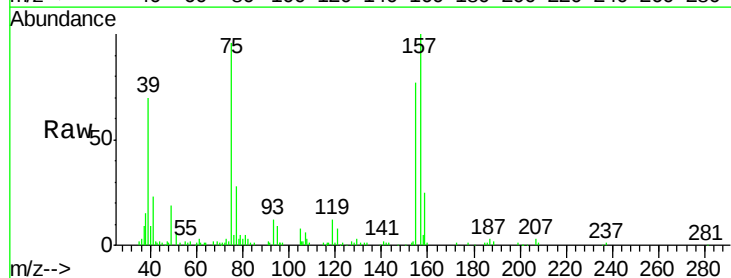
Manual Integrations
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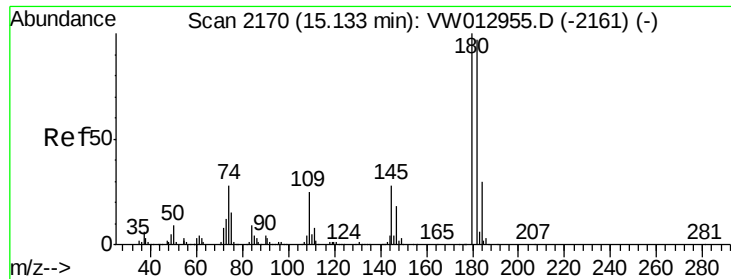
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.053 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	43.3	129.9
157	105.1	54.7	164.1





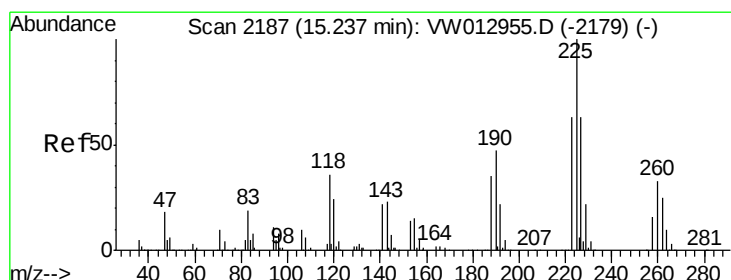
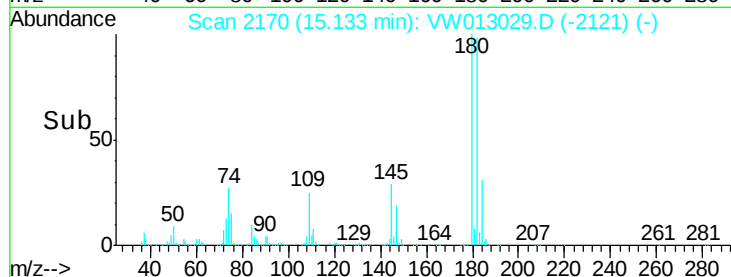
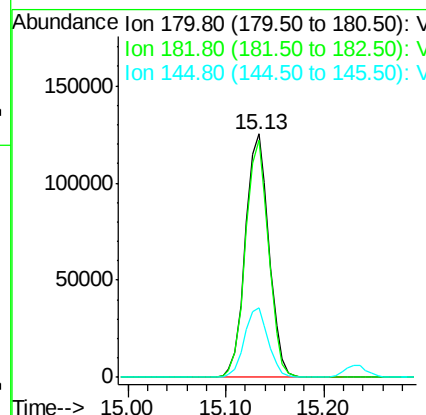
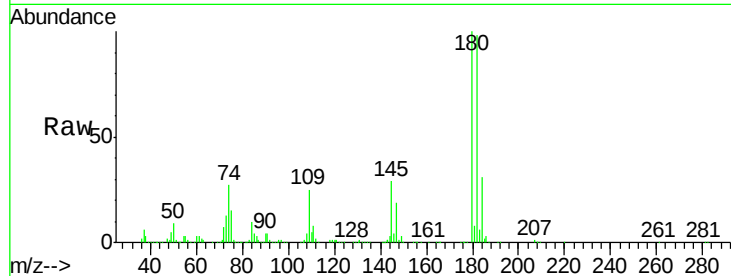
#93
 1,2,4-Trichlorobenzene
 Concen: 54.573 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209193		
182	95.1	47.4	142.2	
145	28.8	14.9	44.7	

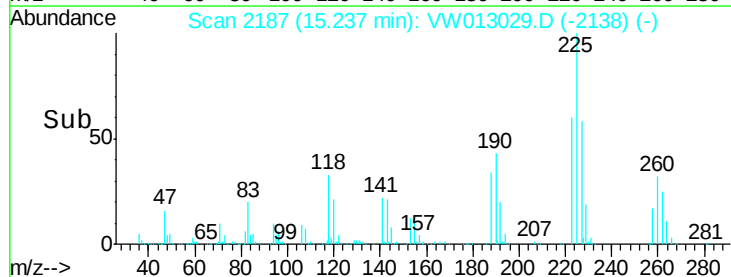
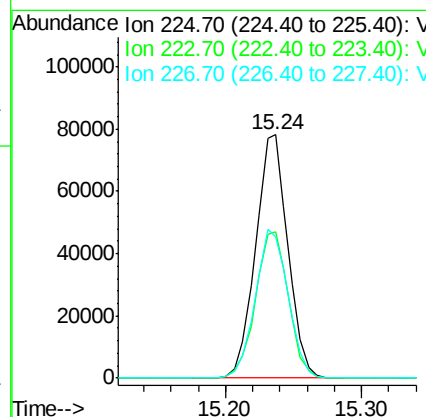
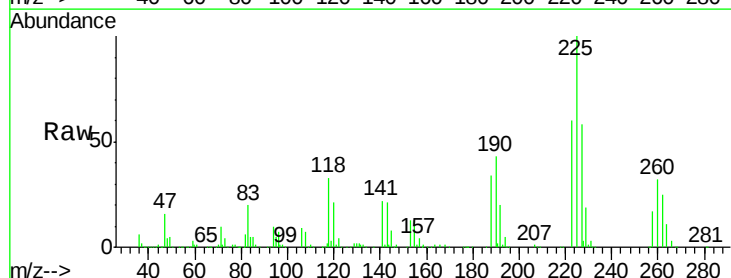
Manual Integrations
 APPROVED

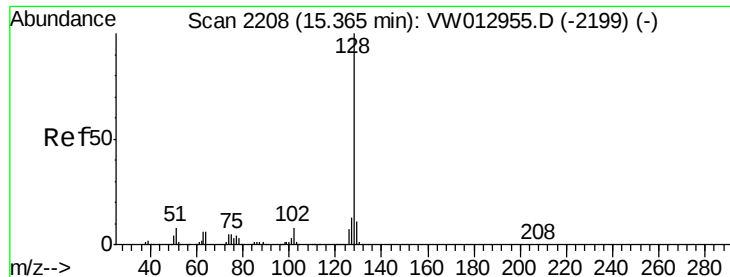
MMDadoda
 9/16/2019 11:14:58 AM



#94
 Hexachlorobutadiene
 Concen: 47.874 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129913		
223	61.2	31.8	95.3	
227	62.0	31.3	93.8	





#95

Naphthalene

Concen: 60.658 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

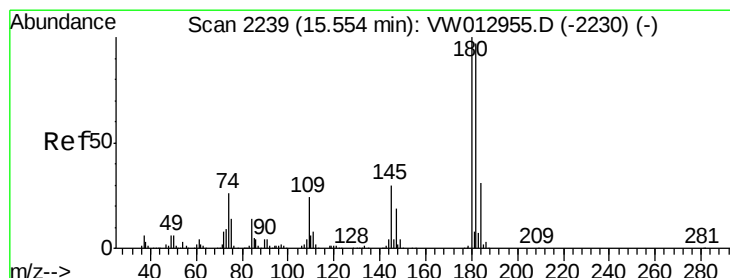
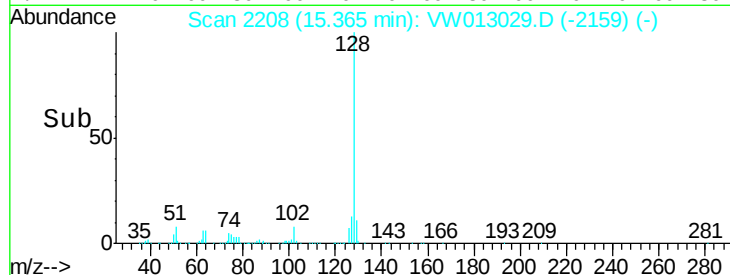
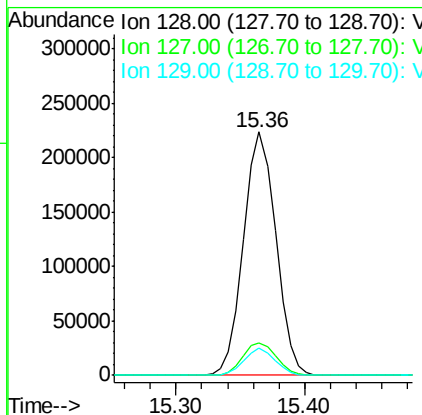
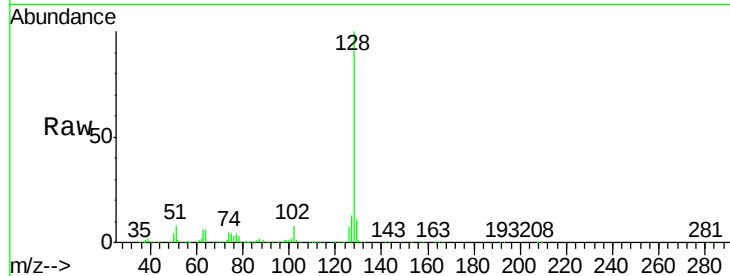
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100				
127	13.9		11.0	16.6	
129	10.7		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:14:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.680 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100				
182	95.1		47.6	142.8	
145	30.7		15.4	46.2	

