

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012919\
 Data File : VW008442.D
 Acq On : 29 Jan 2019 10:21
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/30/2019 9:39:36 AM

Quant Time: Jan 30 01:07:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	429092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	639424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	555780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	276061	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	216748	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	7.88	113	223385	59.75	ug/l	0.00
Spiked Amount			Recovery	=	119.50%	
50) Toluene-d8	10.32	98	883151	58.90	ug/l	0.00
Spiked Amount			Recovery	=	117.80%	
62) 4-Bromofluorobenzene	12.62	95	317212	55.04	ug/l	0.00
Spiked Amount			Recovery	=	110.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	129373	52.032	ug/l	98
3) Chloromethane	2.21	50	155782	44.477	ug/l	99
4) Vinyl Chloride	2.37	62	238750	53.547	ug/l	100
5) Bromomethane	2.78	94	165220	57.450	ug/l	97
6) Chloroethane	2.93	64	160975	59.034	ug/l	100
7) Trichlorofluoromethane	3.26	101	194743	50.196	ug/l	97
8) Diethyl Ether	3.68	74	106546	49.791	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	224379	57.816	ug/l	96
10) Methyl Iodide	4.26	142	360996	58.890	ug/l	99
11) Tert butyl alcohol	5.17	59	72603	213.922	ug/l	97
12) 1,1-Dichloroethene	4.03	96	220633	56.175	ug/l	96
13) Acrolein	3.89	56	66792	223.508	ug/l	99
14) Allyl chloride	4.67	41	376118	50.431	ug/l	98
15) Acrylonitrile	5.36	53	214387	232.017	ug/l	100
16) Acetone	4.12	43	264404	279.309	ug/l	95
17) Carbon Disulfide	4.37	76	655487	52.255	ug/l	99
18) Methyl Acetate	4.67	43	114454	45.331	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	324344	49.912	ug/l	98
20) Methylene Chloride	4.91	84	218970	50.187	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	237854	53.867	ug/l	92
22) Diisopropyl ether	6.31	45	678515	48.003	ug/l	97
23) Vinyl Acetate	6.25	43	1909310	228.762	ug/l	98
24) 1,1-Dichloroethane	6.21	63	412848	51.600	ug/l	99
25) 2-Butanone	7.17	43	316429	240.656	ug/l	98
26) 2,2-Dichloropropane	7.17	77	292577	54.100	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	259431	53.911	ug/l	95
28) Bromochloromethane	7.51	49	157734	42.923	ug/l	95
29) Tetrahydrofuran	7.52	42	181933	218.347	ug/l	96
30) Chloroform	7.67	83	408691	51.933	ug/l	94
31) Cyclohexane	7.95	56	387882	46.885	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	372448	54.794	ug/l	99
36) 1,1-Dichloropropene	8.08	75	340801	56.423	ug/l	98
37) Ethyl Acetate	7.25	43	127414	47.680	ug/l	97
38) Carbon Tetrachloride	8.07	117	360705	59.345	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	435340	54.865	ug/l	98
40) Benzene	8.32	78	918818	54.821	ug/l	100
41) Methacrylonitrile	7.48	41	78438	49.572	ug/l	98
42) 1,2-Dichloroethane	8.40	62	253149	52.119	ug/l	98
43) Isopropyl Acetate	8.43	43	261837	47.163	ug/l	97
44) Trichloroethene	9.09	130	263935	57.909	ug/l	99
45) 1,2-Dichloropropane	9.37	63	220807	52.837	ug/l	98
46) Dibromomethane	9.46	93	111733	51.983	ug/l	96
47) Bromodichloromethane	9.64	83	306735	53.953	ug/l	99
48) Methyl methacrylate	9.43	41	132589	48.843	ug/l	96
49) 1,4-Dioxane	9.45	88	39686	1092.320	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	636129	231.931	ug/l	99
52) Toluene	10.39	92	598267	54.074	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	314357	51.964	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	364562	53.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	156624	52.534	ug/l	97
56) Ethyl methacrylate	10.65	69	199663	47.794	ug/l	98
57) 1,3-Dichloropropane	10.93	76	274792	51.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	487573	240.213	ug/l	97
59) 2-Hexanone	10.97	43	495554	255.932	ug/l	99
60) Dibromochloromethane	11.13	129	201865	52.688	ug/l	100
61) 1,2-Dibromoethane	11.24	107	154754	52.350	ug/l	100
64) Tetrachloroethene	10.86	164	221128	58.764	ug/l	95
65) Chlorobenzene	11.66	112	652387	57.502	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	231481	57.026	ug/l	99
67) Ethyl Benzene	11.73	91	1185483	56.845	ug/l	99
68) m/p-Xylenes	11.84	106	915548	113.149	ug/l	97
69) o-Xylene	12.17	106	430291	55.968	ug/l	97
70) Styrene	12.18	104	693515	54.610	ug/l	98
71) Bromoform	12.35	173	119896	52.497	ug/l	# 99
73) Isopropylbenzene	12.47	105	1206653	58.630	ug/l	99
74) N-amyl acetate	12.27	43	259315	48.909	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	172579	52.965	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	125303m	52.206	ug/l	
77) Bromobenzene	12.75	156	263744	58.679	ug/l	93
78) n-propylbenzene	12.80	91	1439710	58.243	ug/l	99
79) 2-Chlorotoluene	12.90	91	795860	57.056	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1003326	58.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	63564	52.307	ug/l	99
82) 4-Chlorotoluene	12.99	91	833117	56.098	ug/l	98
83) tert-Butylbenzene	13.21	119	908323	59.337	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1016447	58.134	ug/l	100
85) sec-Butylbenzene	13.39	105	1287434	58.890	ug/l	100
86) p-Isopropyltoluene	13.50	119	1135985	59.321	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	530747	58.469	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	520211	57.666	ug/l	98
89) n-Butylbenzene	13.83	91	1086585	57.790	ug/l	99
90) Hexachloroethane	14.10	117	221911	59.256	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	454501	56.587	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	30253	48.934	ug/l	99

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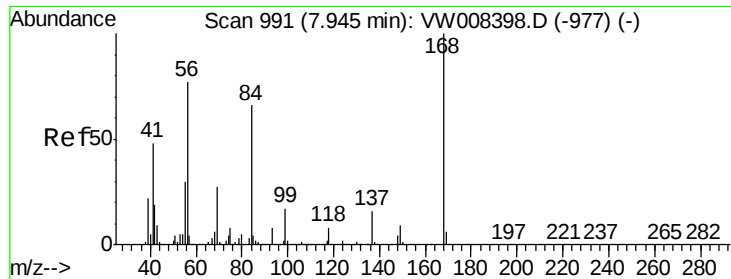
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331556	57.847	ug/l	99
94) Hexachlorobutadiene	15.24	225	209907	60.768	ug/l	99
95) Naphthalene	15.37	128	546552	54.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	277452	57.065	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 429092

Ion Ratio Lower Upper

168 100

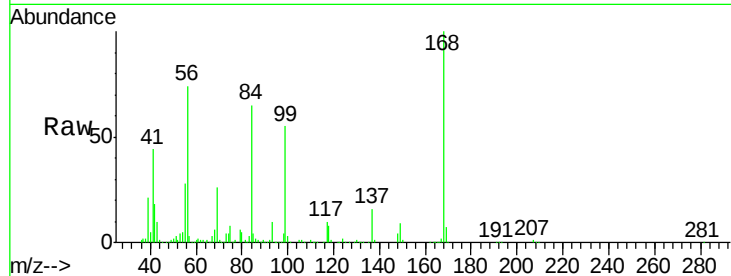
99 55.1 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

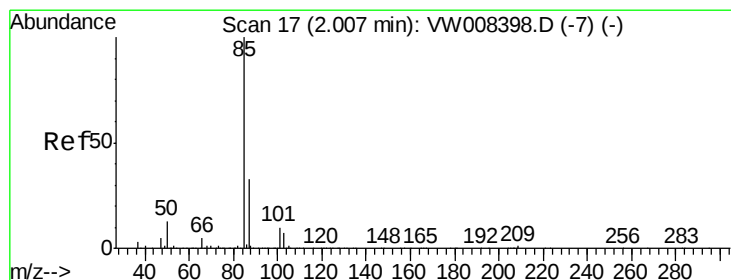
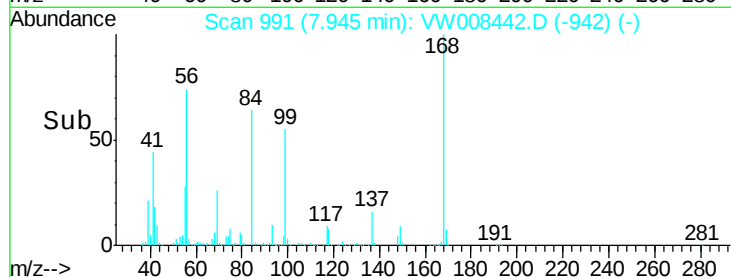
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 52.032 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008442.D

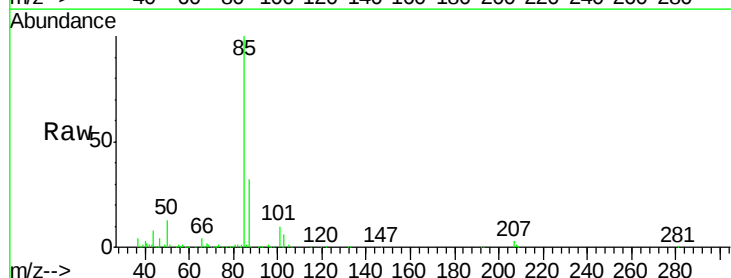
Acq: 29 Jan 2019 10:21

Tgt Ion: 85 Resp: 129373

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

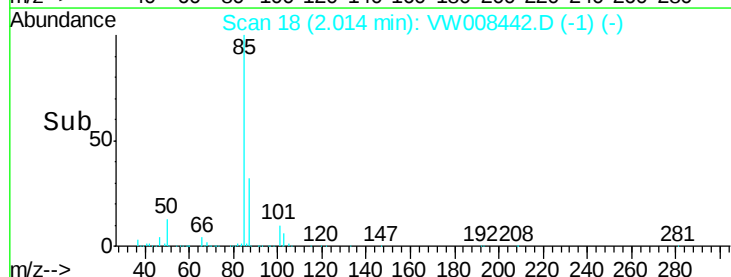
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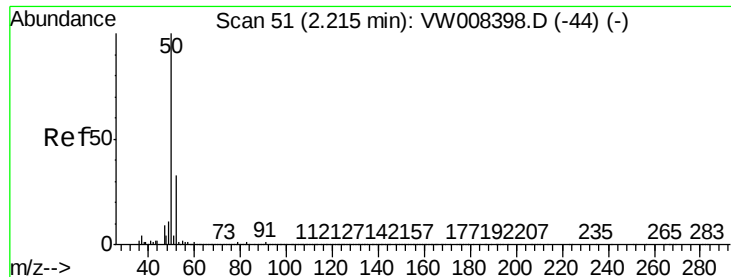
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 44.477 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 155782

Ion Ratio Lower Upper

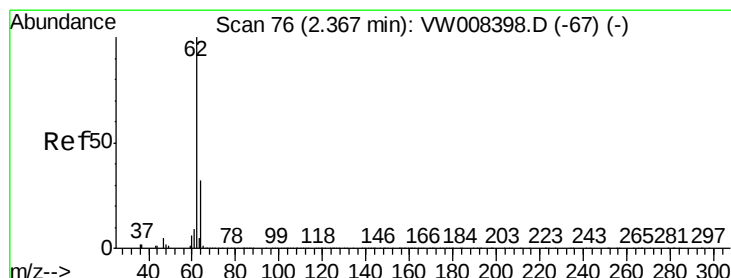
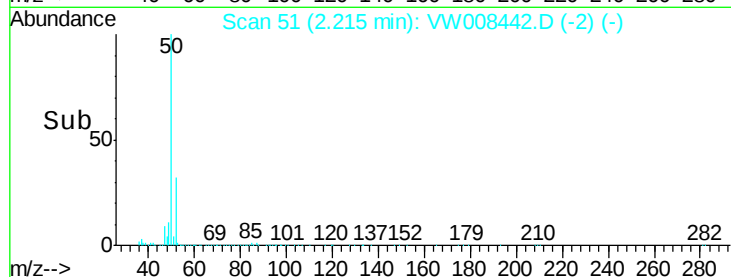
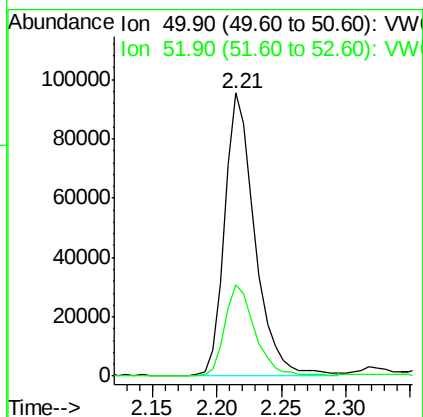
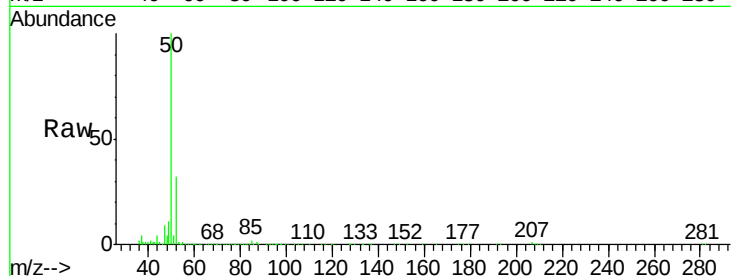
50 100

52 32.5 26.3 39.5

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#4

Vinyl Chloride

Concen: 53.547 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008442.D

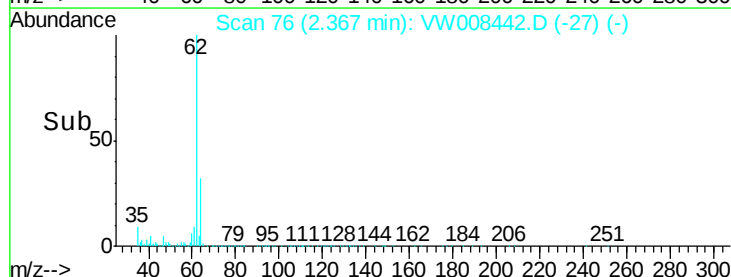
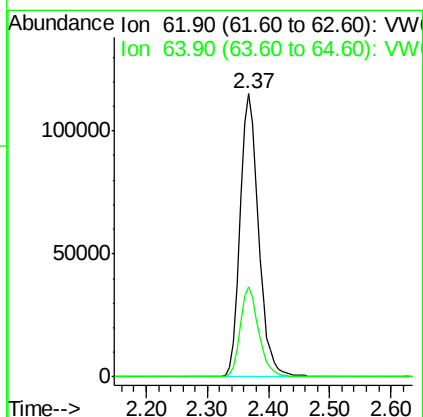
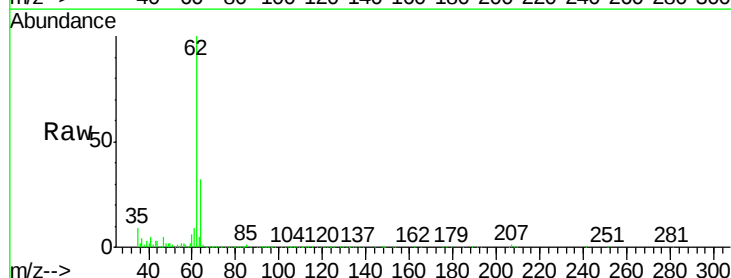
Acq: 29 Jan 2019 10:21

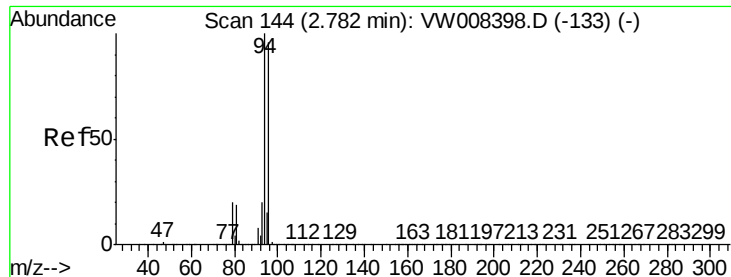
Tgt Ion: 62 Resp: 238750

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 57.450 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 165220

Ion Ratio Lower Upper

94 100

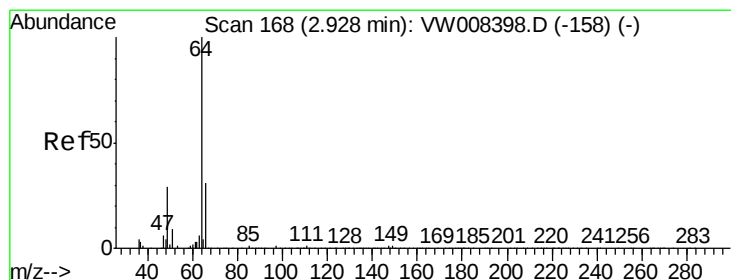
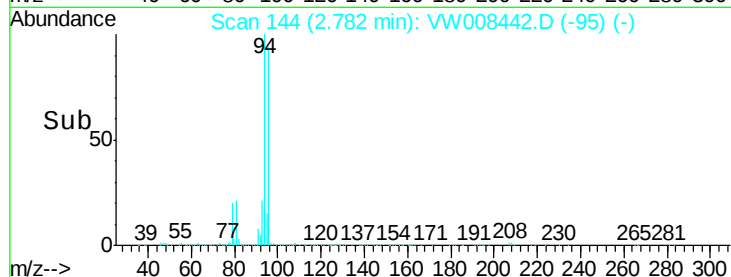
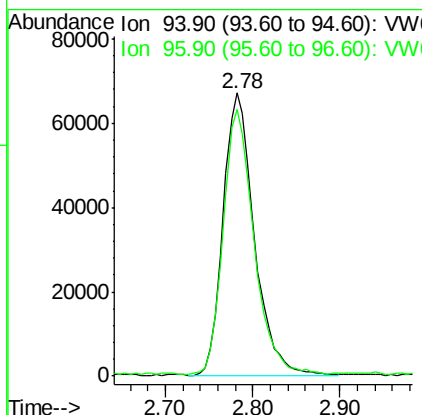
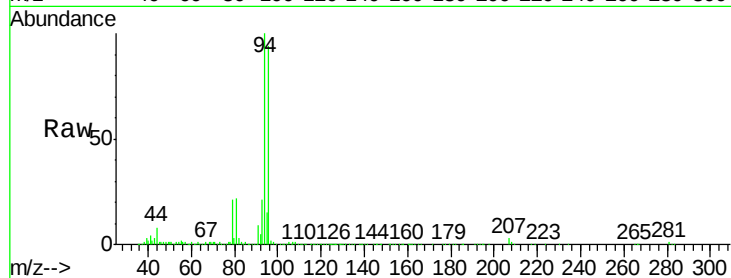
96 93.9 77.2 115.8

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#6

Chloroethane

Concen: 59.034 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008442.D

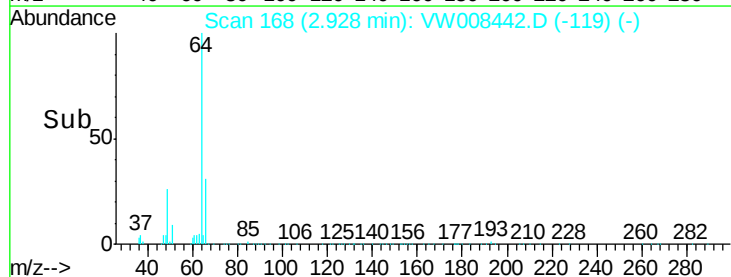
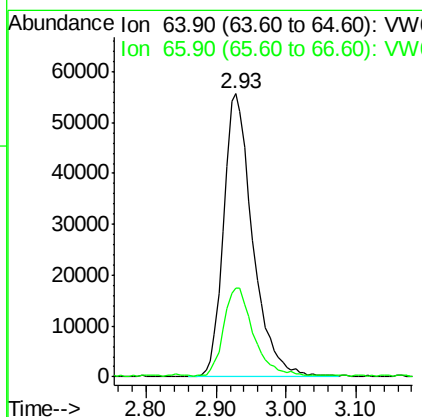
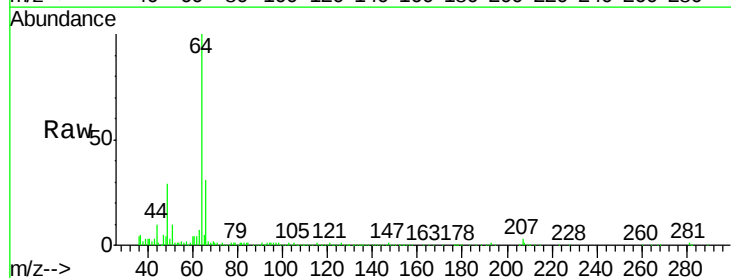
Acq: 29 Jan 2019 10:21

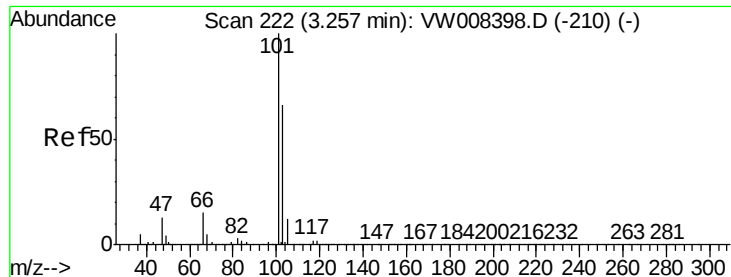
Tgt Ion: 64 Resp: 160975

Ion Ratio Lower Upper

64 100

66 30.8 24.9 37.3





#7

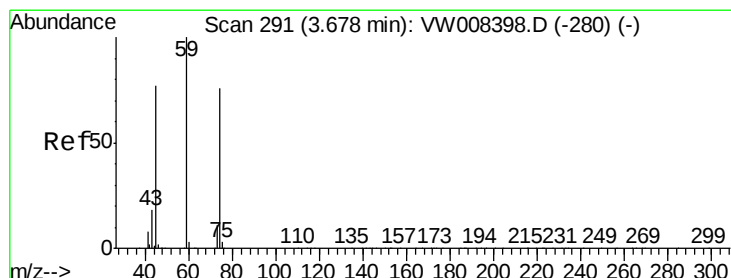
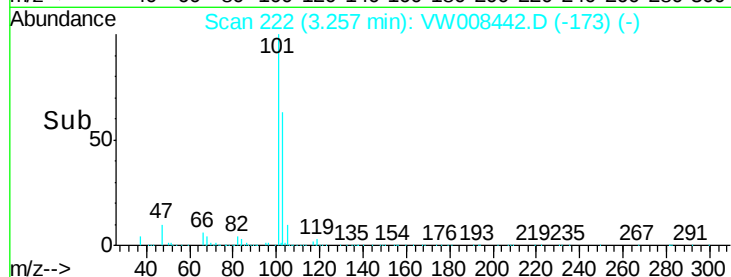
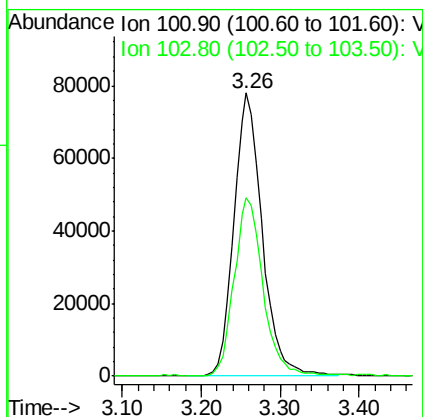
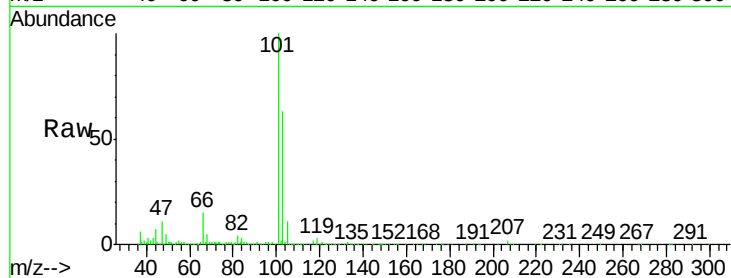
Trichlorofluoromethane
Concen: 50.196 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.5	78.7

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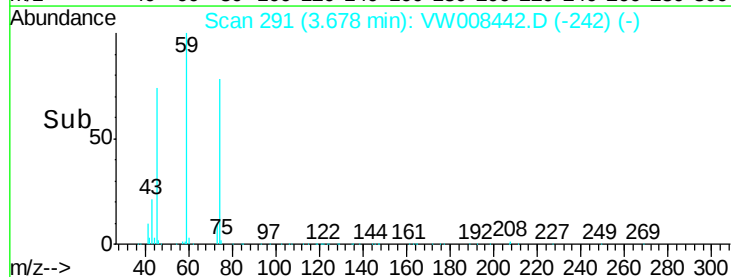
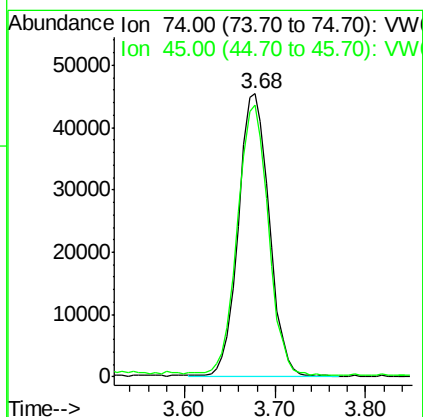
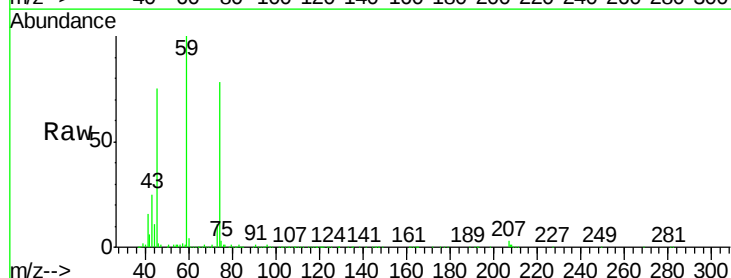
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1/30/2019 9:39:36 AM



#8

Diethyl Ether
Concen: 49.791 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008442.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.816 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

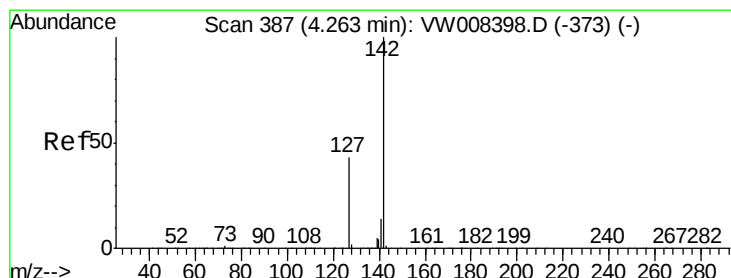
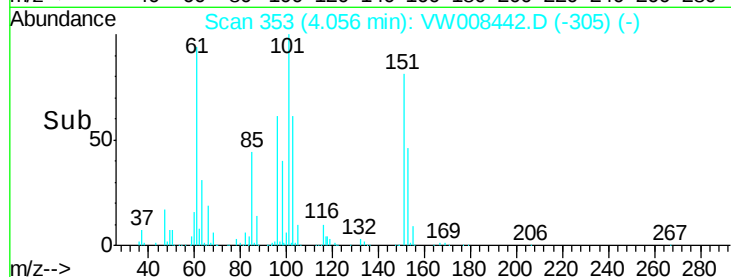
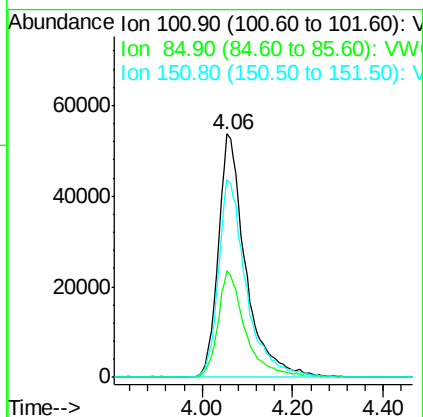
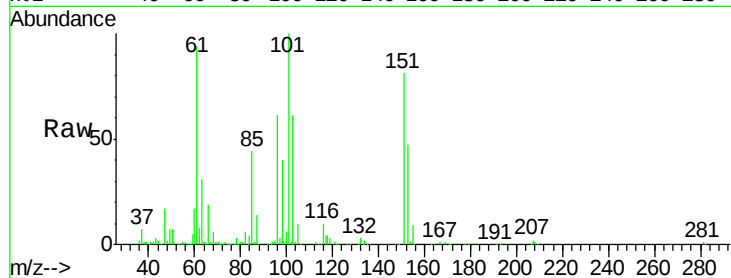
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	224379
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.0	52.4
151	82.6	62.6	94.0

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#10

Methyl Iodide

Concen: 58.890 ug/l

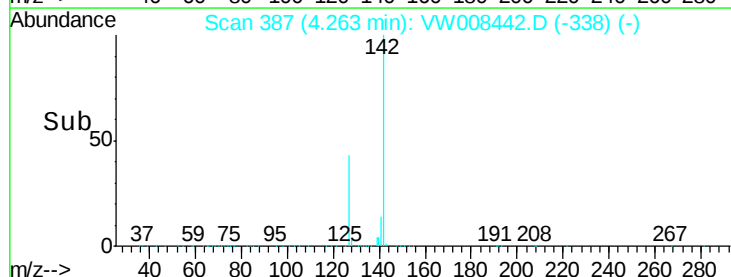
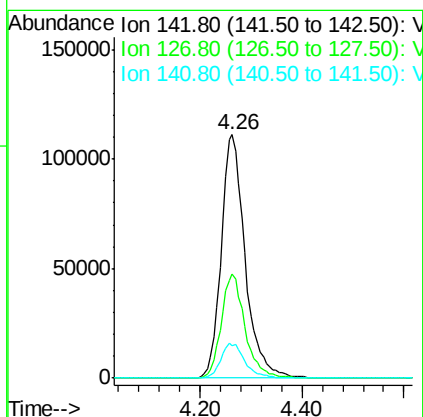
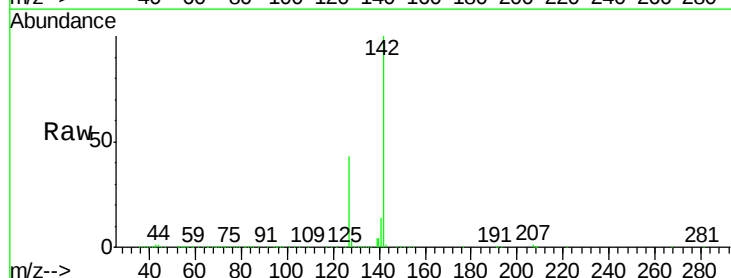
RT: 4.26 min Scan# 387

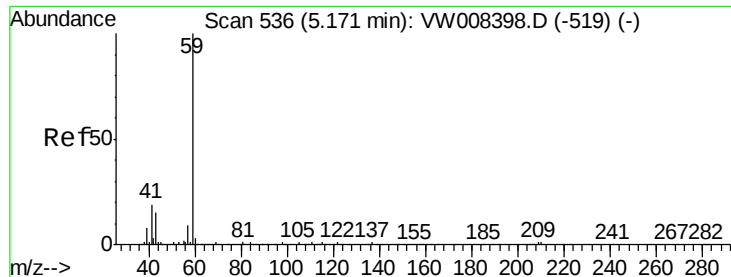
Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion:	142	Resp:	360996
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	52.0
141	14.5	11.4	17.2





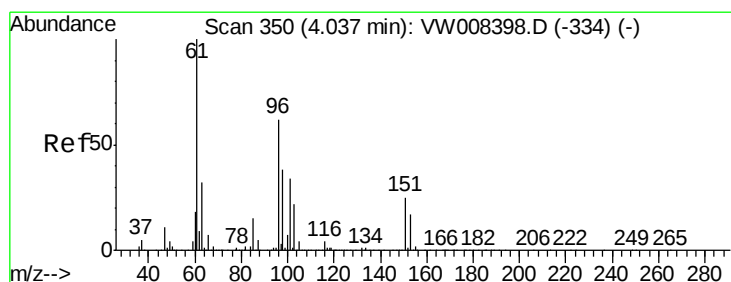
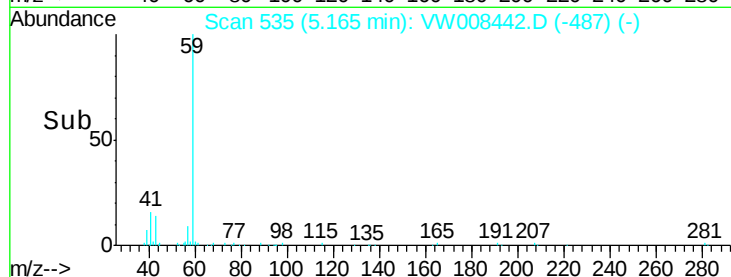
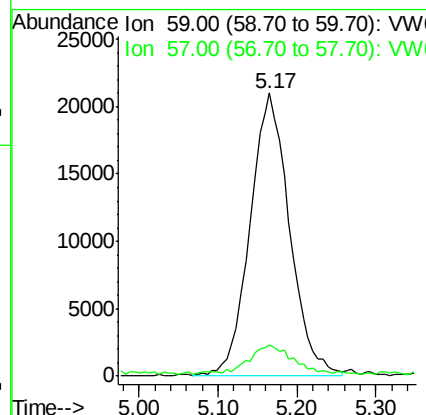
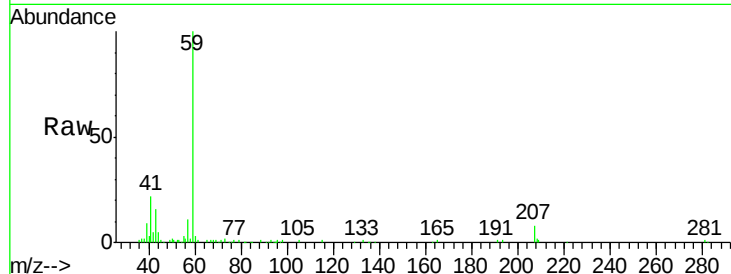
#11
Tert butyl alcohol
Concen: 213.922 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 72603
Ion Ratio Lower Upper
59 100
57 10.3 9.3 13.9

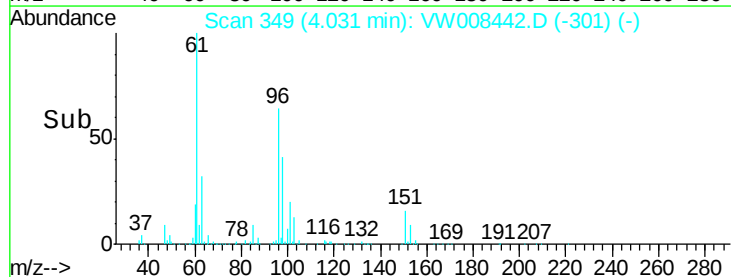
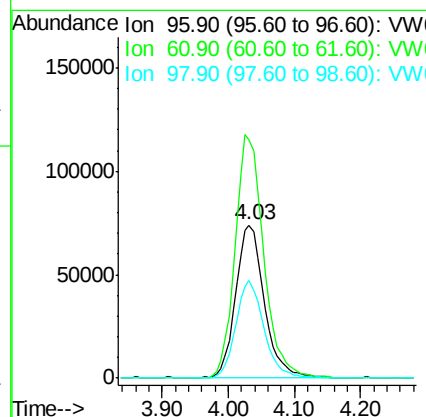
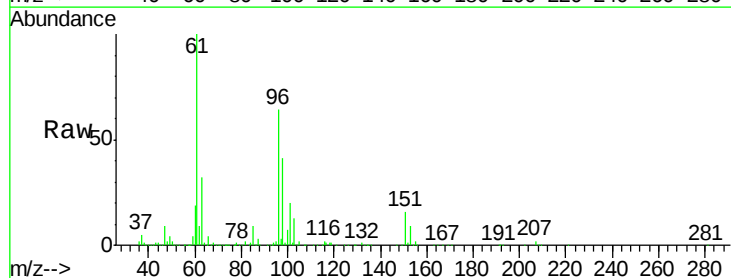
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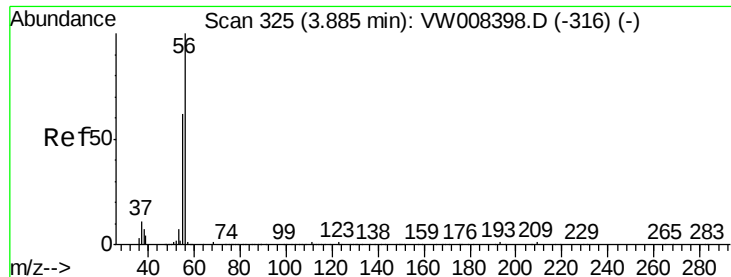
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#12
1,1-Dichloroethene
Concen: 56.175 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 96 Resp: 220633
Ion Ratio Lower Upper
96 100
61 156.8 129.5 194.3
98 64.4 48.6 73.0





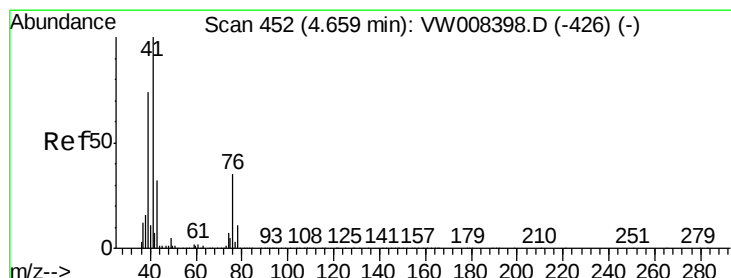
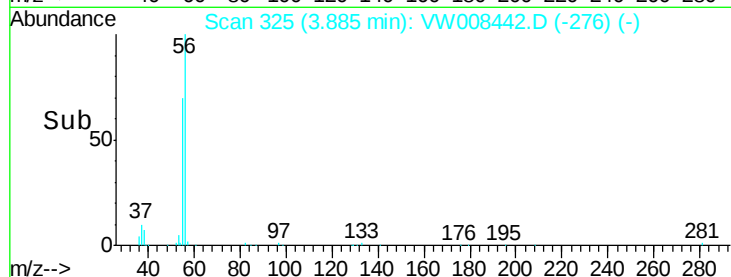
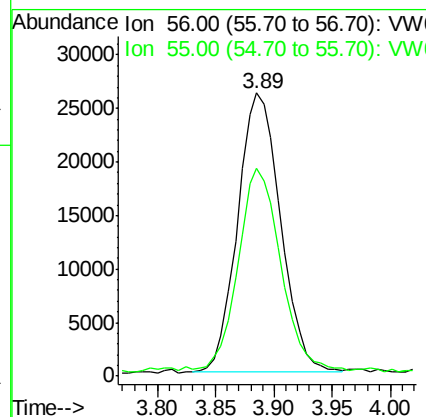
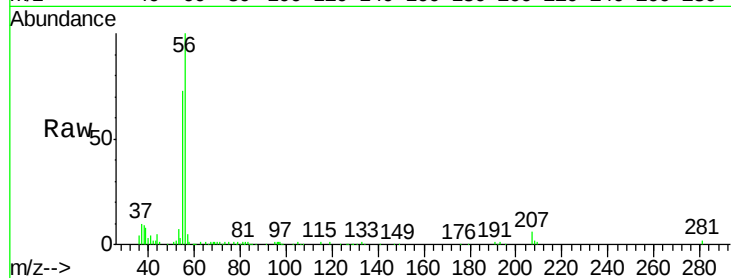
#13
Acrolein
Concen: 223.508 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.7	85.1

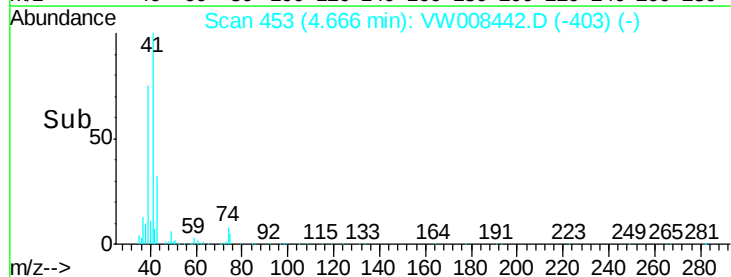
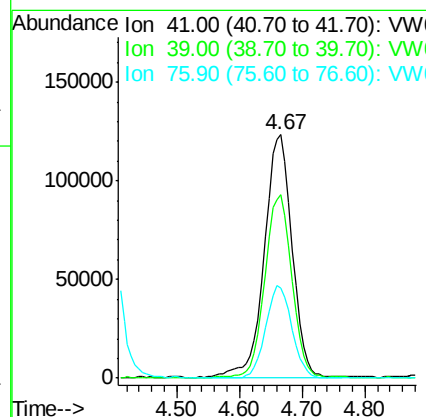
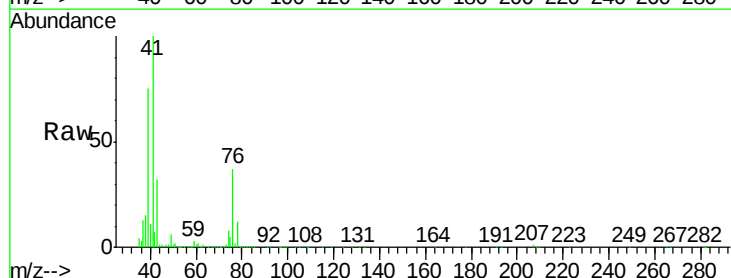
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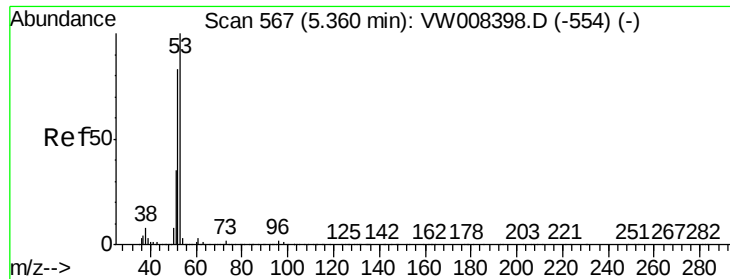
MMDadoda
1/30/2019 9:39:36 AM



#14
Allyl chloride
Concen: 50.431 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.3	57.7	86.5
76	35.7	26.9	40.3





#15

Acrylonitrile

Concen: 232.017 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

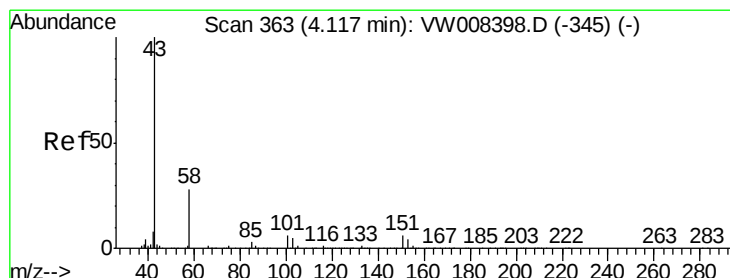
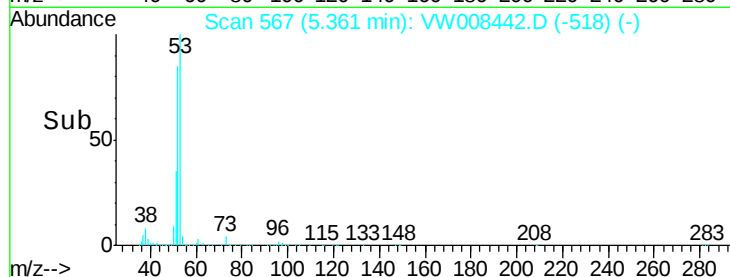
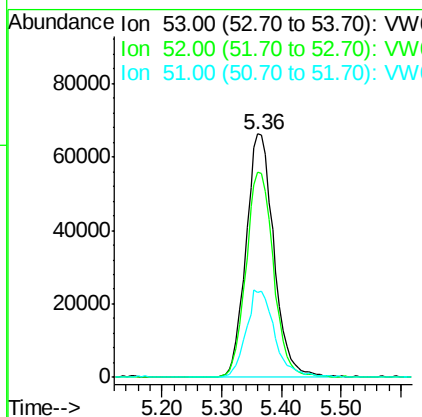
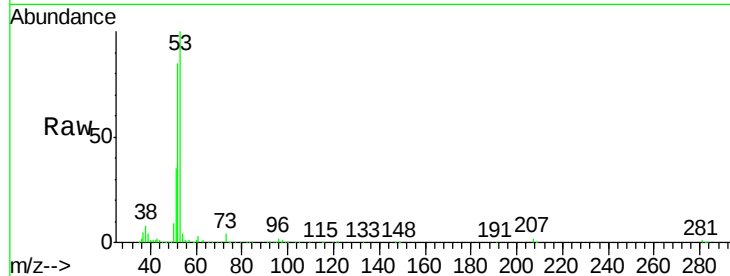
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	214387
Ion Ratio	Lower	Upper	
53	100		
52	83.6	67.0	100.4
51	37.2	29.8	44.8

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#16

Acetone

Concen: 279.309 ug/l

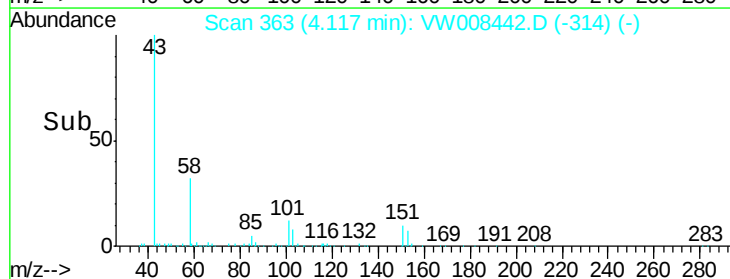
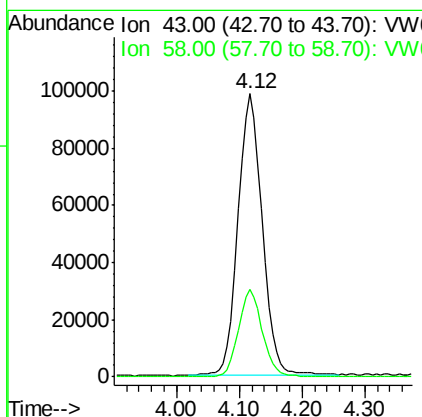
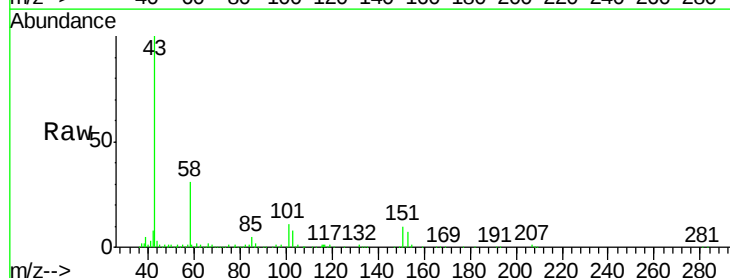
RT: 4.12 min Scan# 363

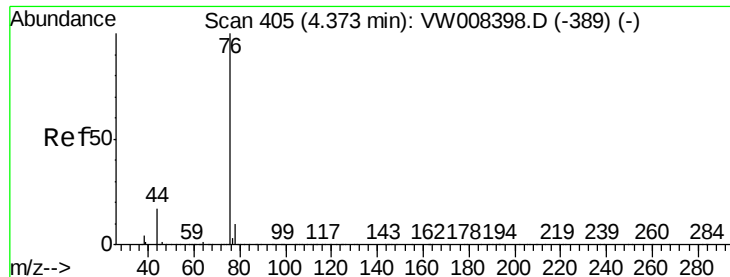
Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion:	43	Resp:	264404
Ion Ratio	Lower	Upper	
43	100		
58	30.9	22.6	34.0





#17

Carbon Disulfide

Concen: 52.255 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 655487

Ion Ratio Lower Upper

76 100

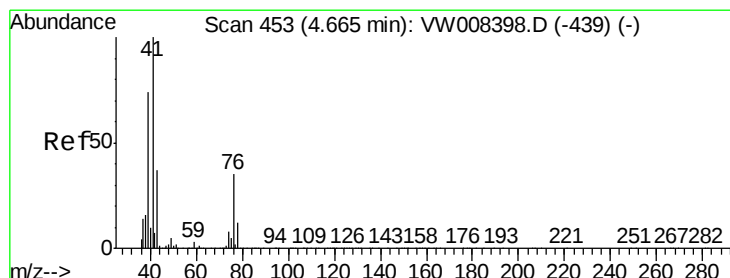
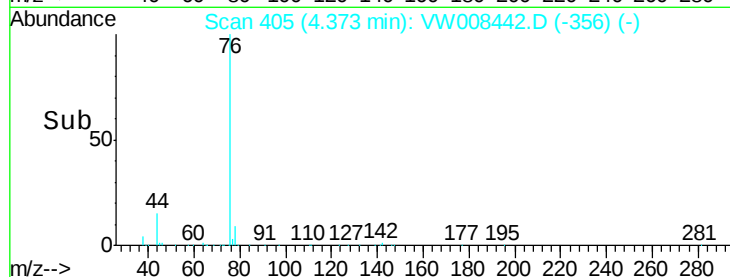
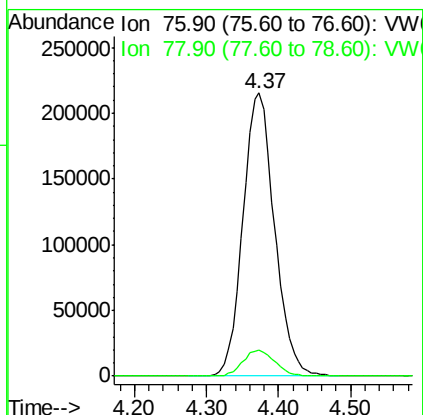
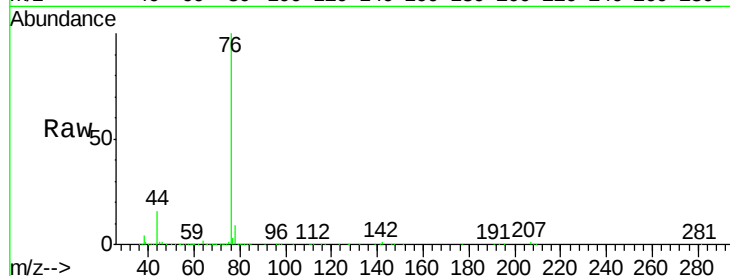
78 9.4 7.7 11.5

Manual Integrations

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#18

Methyl Acetate

Concen: 45.331 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008442.D

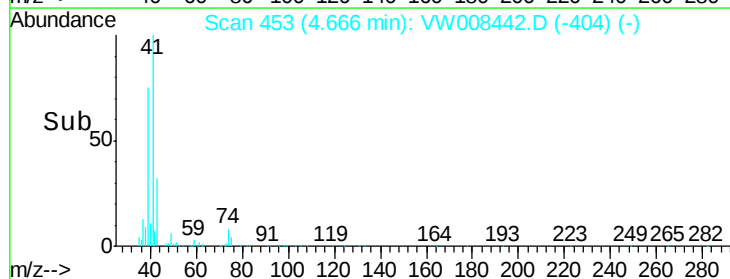
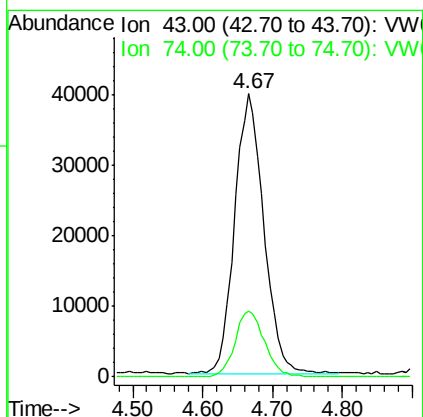
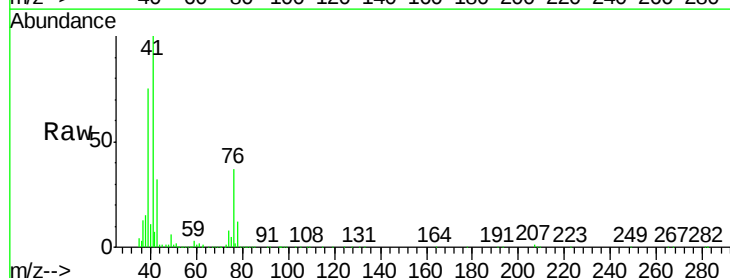
Acq: 29 Jan 2019 10:21

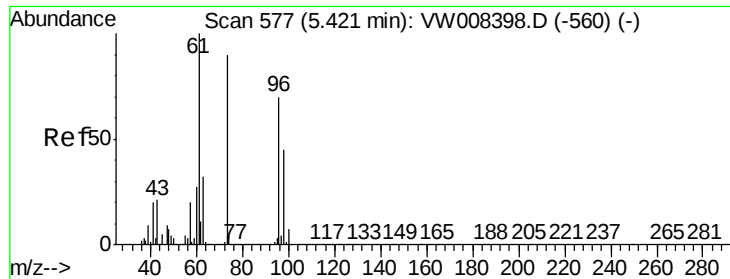
Tgt Ion: 43 Resp: 114454

Ion Ratio Lower Upper

43 100

74 24.1 17.5 26.3





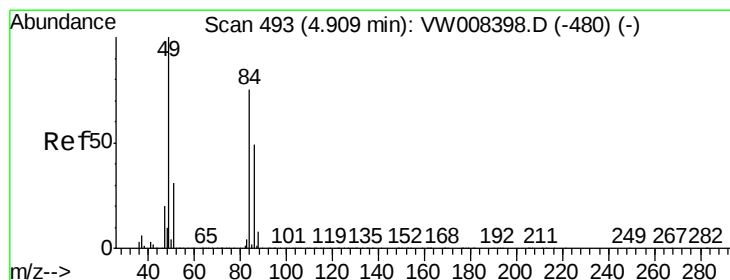
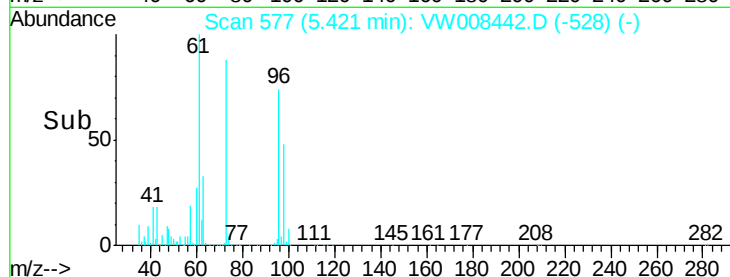
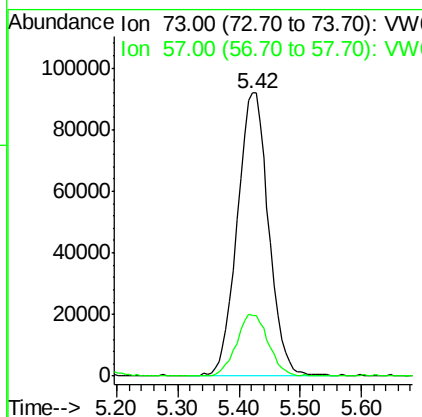
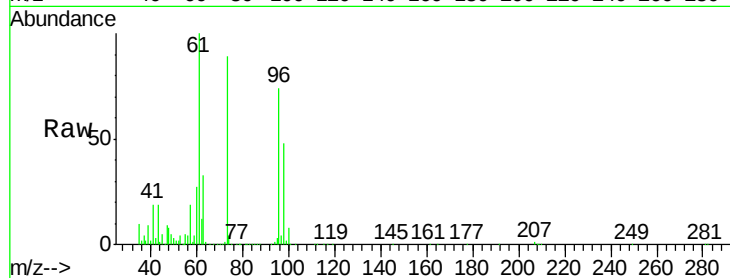
#19
Methvl tert-butvl Ether
Concen: 49.912 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 324344
Ion Ratio Lower Upper
73 100
57 21.3 18.0 27.0

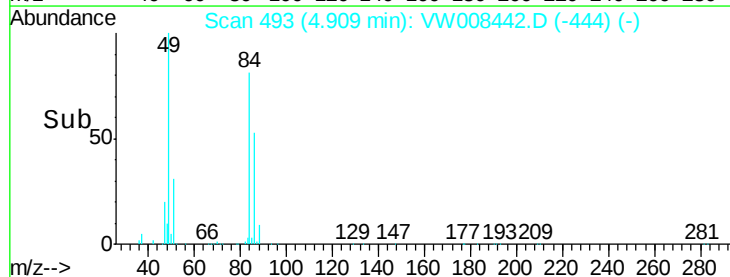
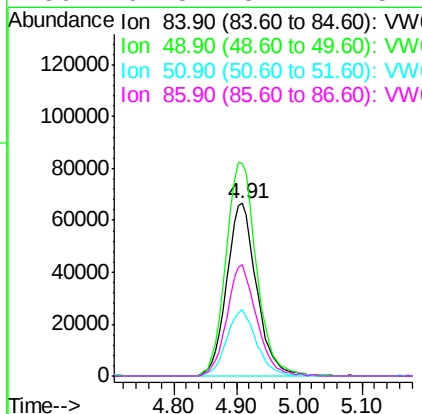
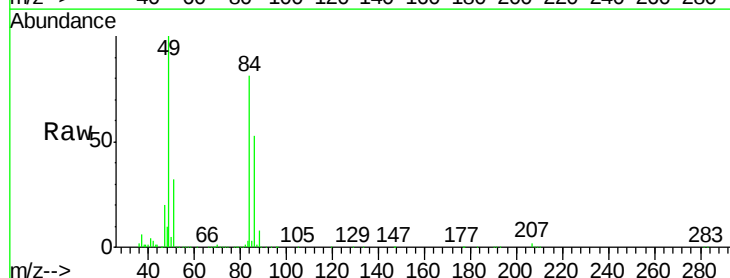
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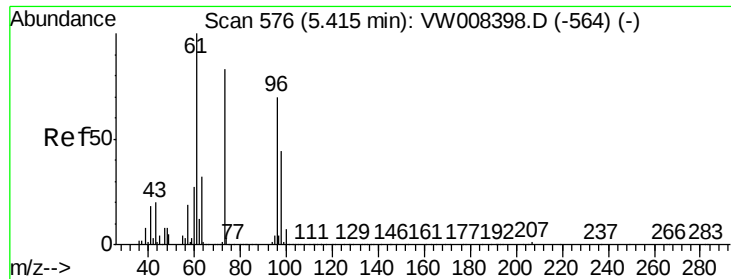
MMDadoda
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#20
Methylene Chloride
Concen: 50.187 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 84 Resp: 218970
Ion Ratio Lower Upper
84 100
49 123.0 106.8 160.2
51 38.6 32.9 49.3
86 64.8 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 53.867 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

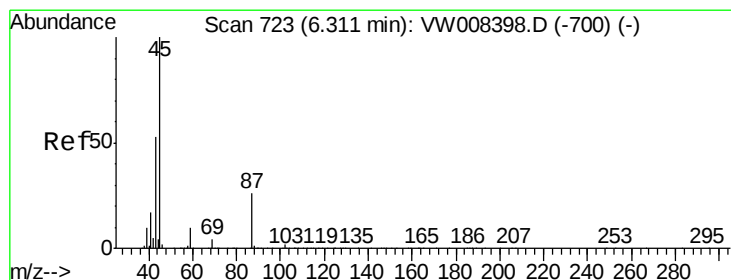
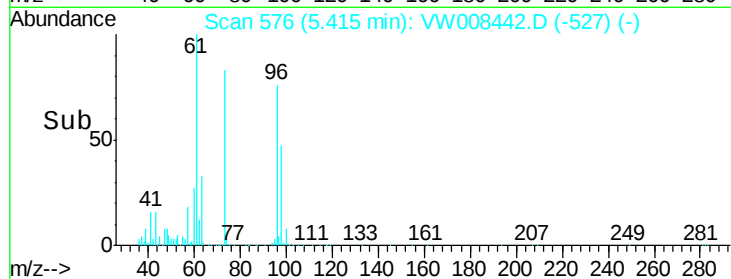
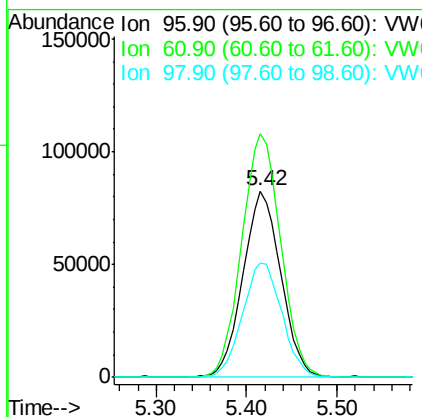
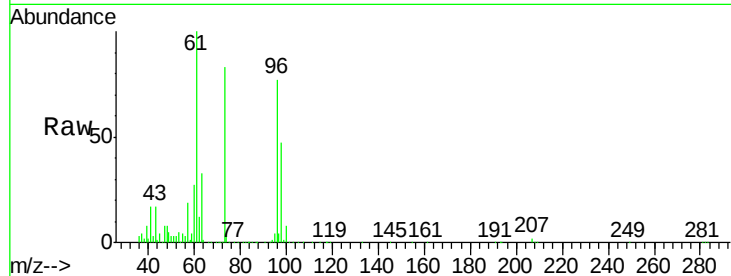
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	237854
Ion	Ratio	Lower	Upper
96	100		
61	130.7	114.4	171.6
98	61.3	50.6	75.8

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#22

Diisopropyl ether

Concen: 48.003 ug/l

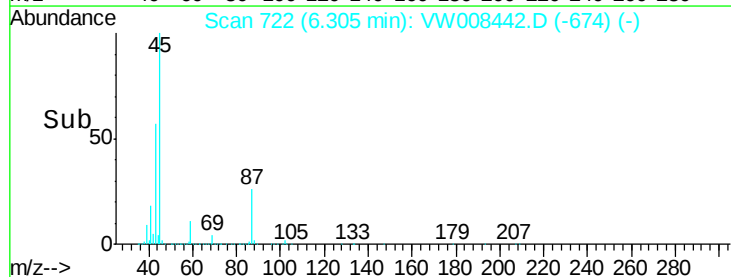
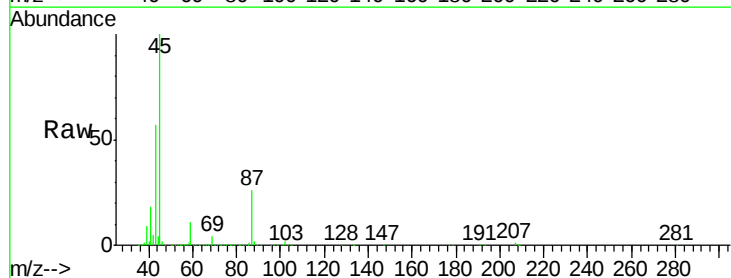
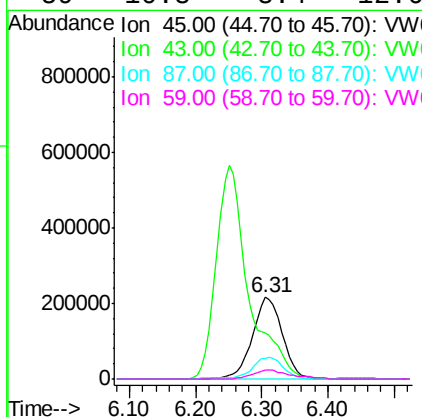
RT: 6.31 min Scan# 722

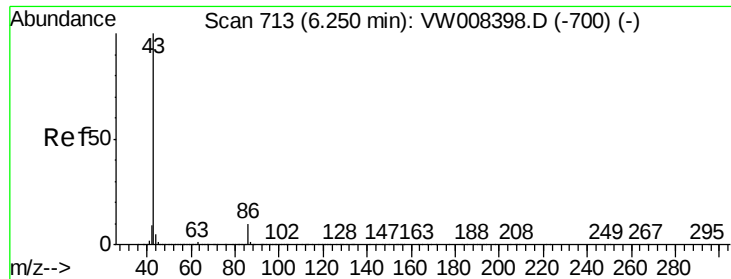
Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion:	45	Resp:	678515
Ion	Ratio	Lower	Upper
45	100		
43	56.2	42.6	63.8
87	25.8	20.3	30.5
59	10.8	8.4	12.6





#23

Vinyl Acetate

Concen: 228.762 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tot Ion: 43 Resp: 1909310

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8

Instrument :

MSVOA_W

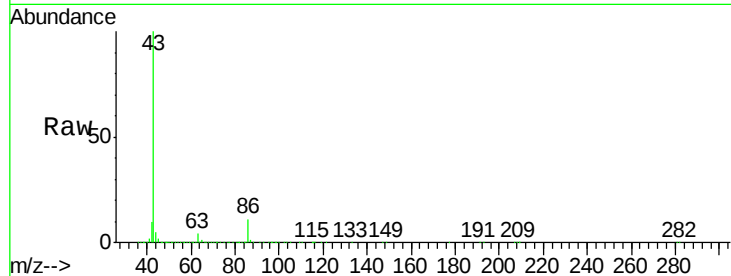
ClientSampleId :

VSTDCCC050

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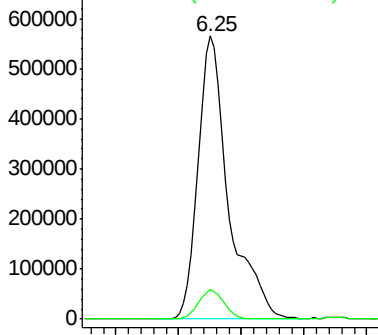
MMDadoda

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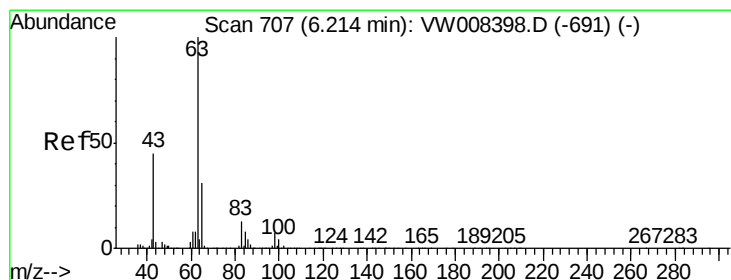
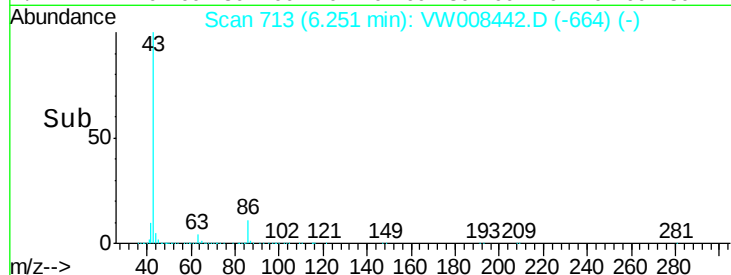


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 51.600 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

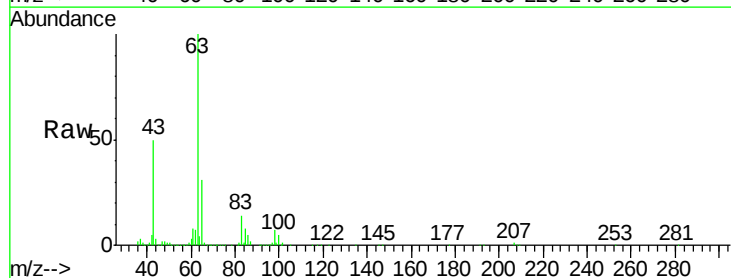
Tgt Ion: 63 Resp: 412848

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

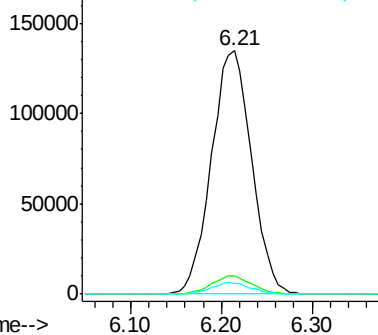
100 4.6 2.1 6.2



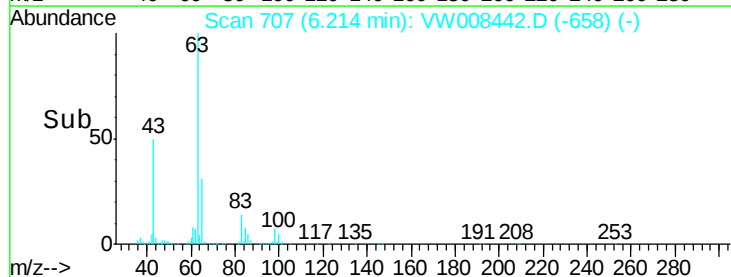
Abundance Ion 62.90 (62.60 to 63.60): VW

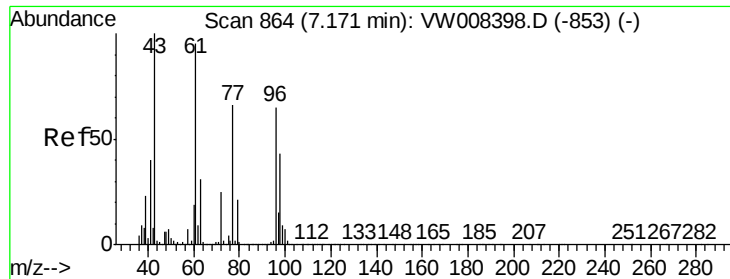
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 240.656 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 316429

Ion Ratio Lower Upper

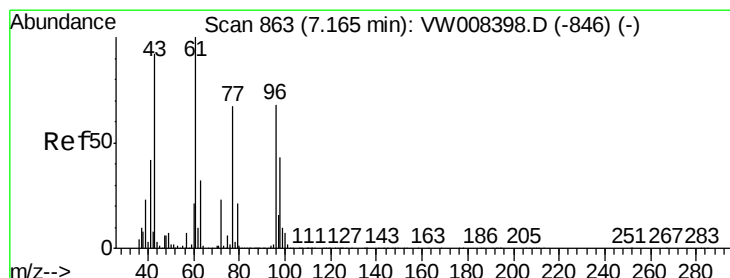
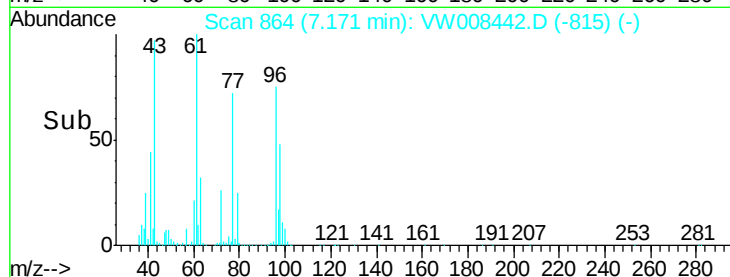
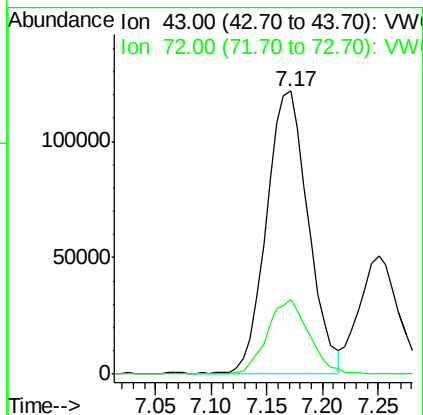
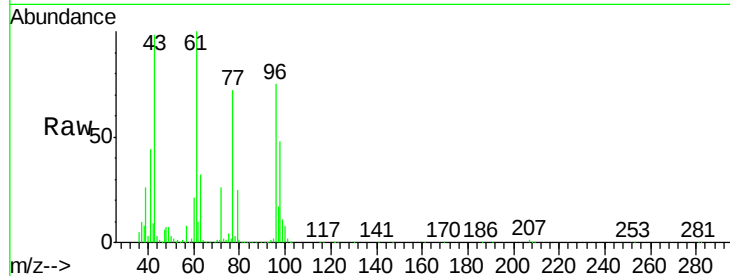
43 100

72 26.3 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 54.100 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008442.D

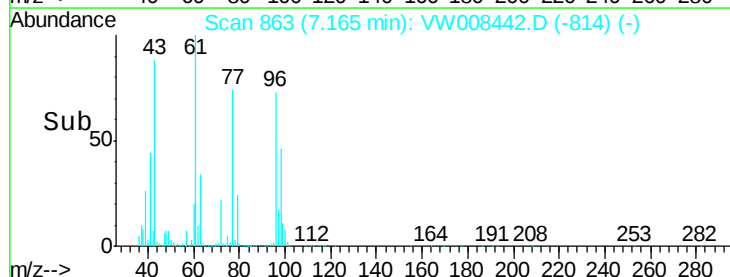
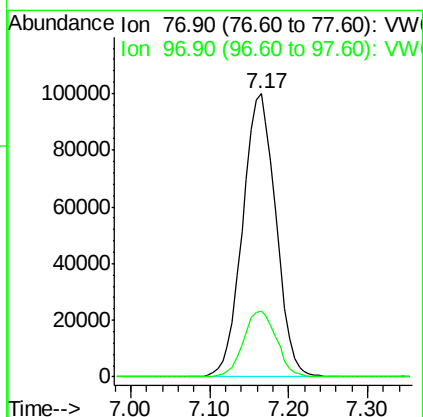
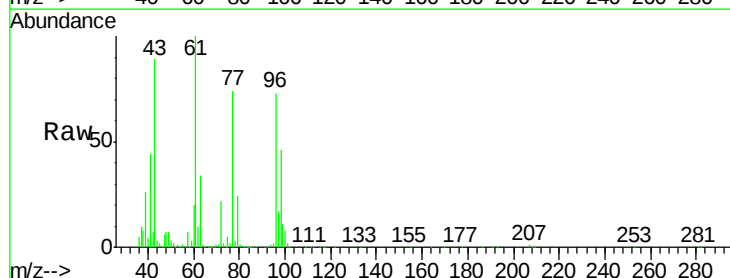
Acq: 29 Jan 2019 10:21

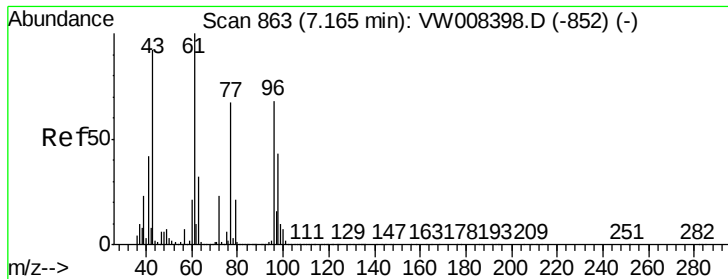
Tgt Ion: 77 Resp: 292577

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5





#27

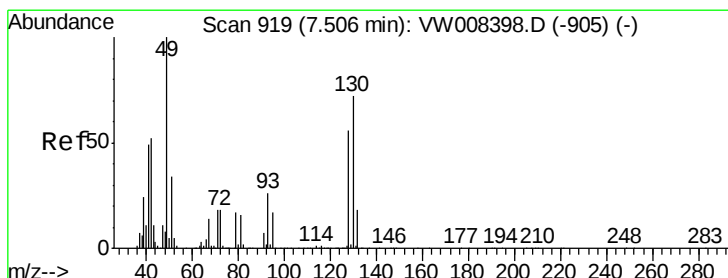
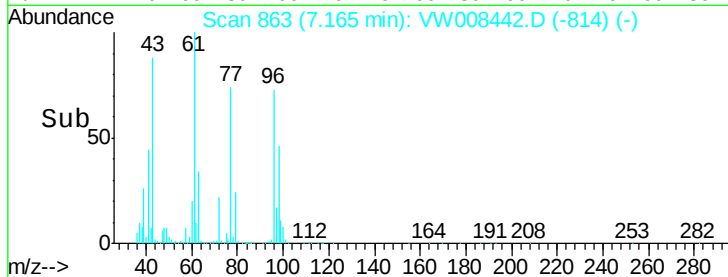
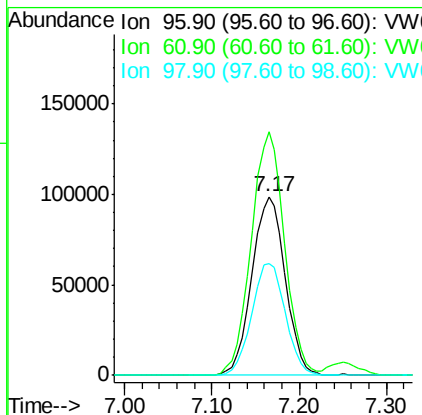
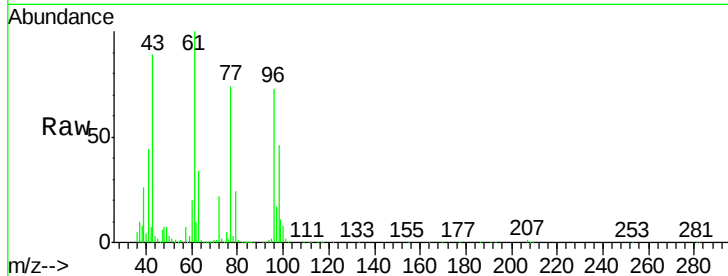
cis-1,2-Dichloroethene
Concen: 53.911 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	259431		
61	137.2	0.0	292.8	
98	63.8	0.0	129.2	

Manual Integrations
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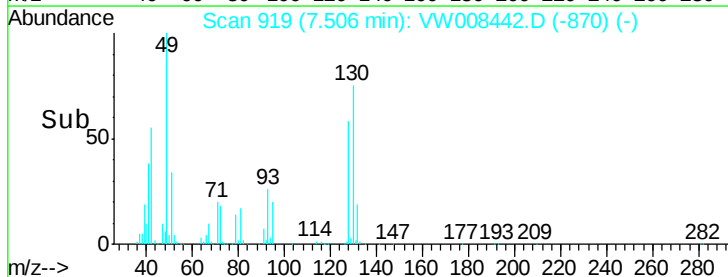
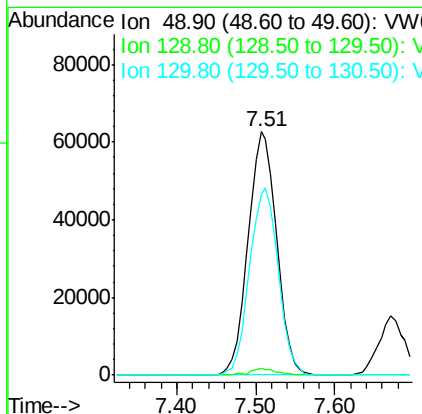
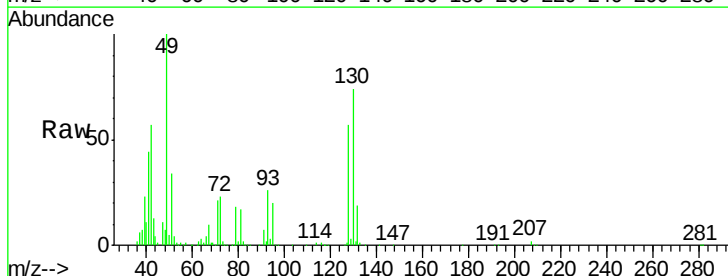
MMDadoda
1/30/2019 9:39:36 AM

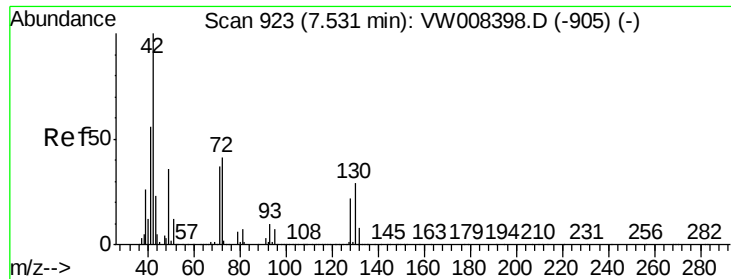


#28

Bromochloromethane
Concen: 42.923 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	157734		
129	2.5	0.0	4.6	
130	77.5	58.6	87.8	





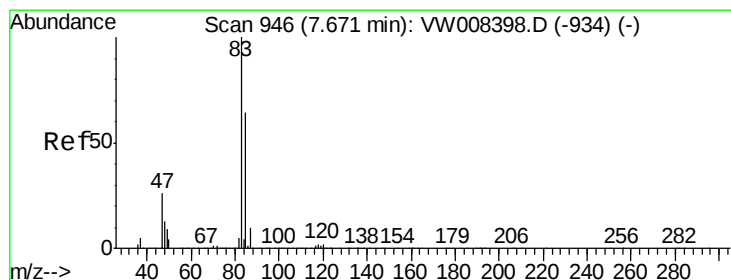
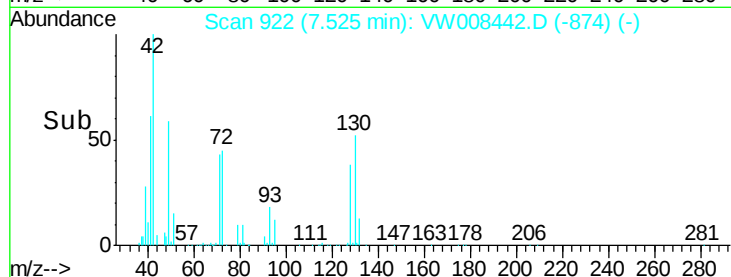
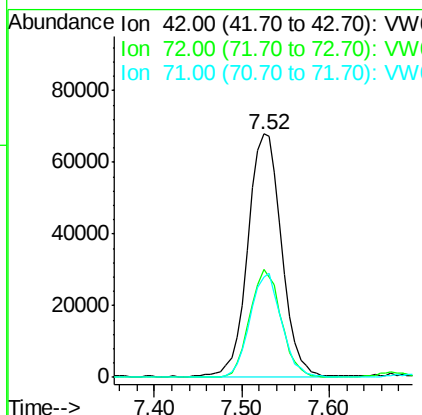
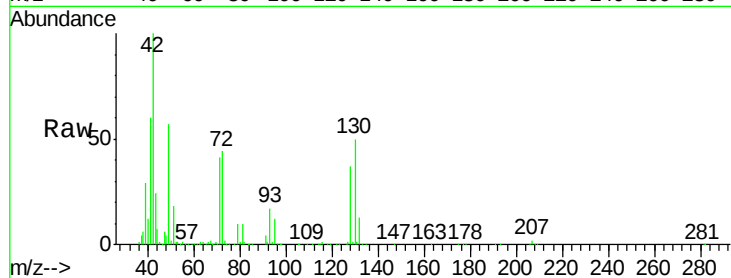
#29
Tetrahydrofuran
Concen: 218.347 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	31.9	47.9
71	40.3	29.9	44.9

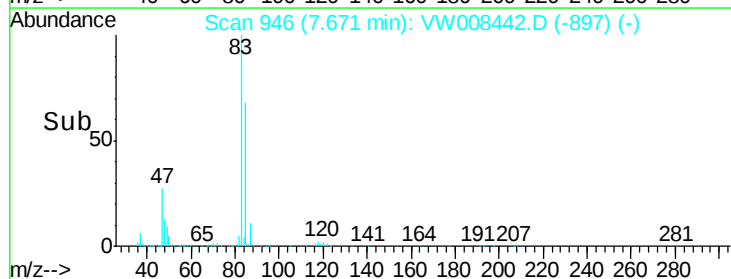
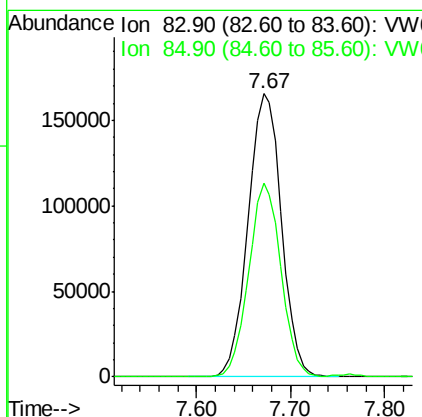
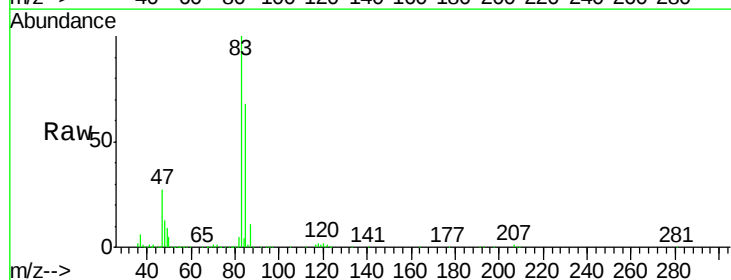
Manual Integrations
APPROVED

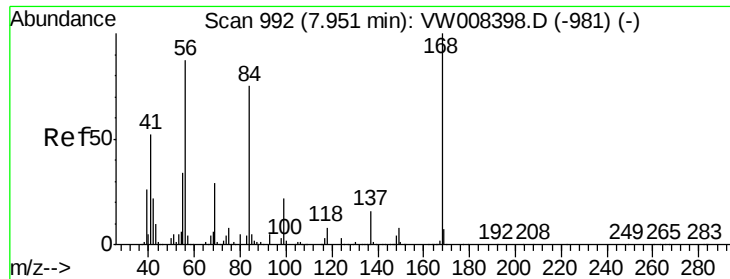
MMDadoda
1/30/2019 9:39:36 AM



#30
Chloroform
Concen: 51.933 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	50.9	76.3





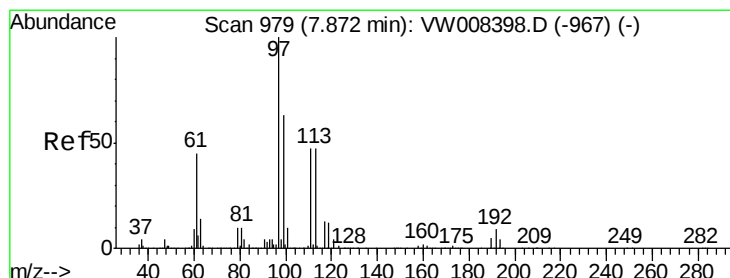
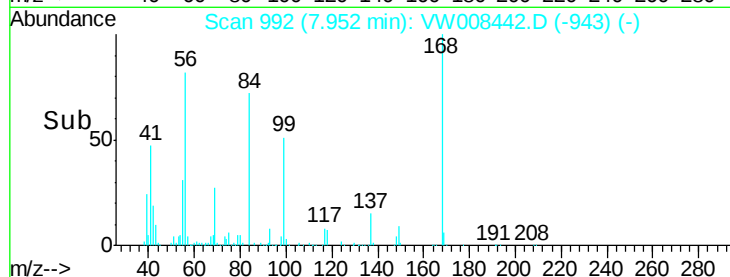
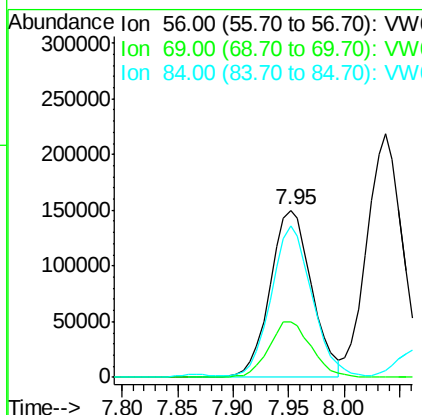
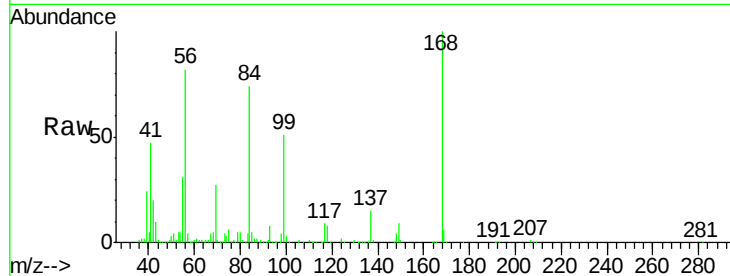
#31
Cyclohexane
Concen: 46.885 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.4	39.6
84	89.0	69.1	103.7

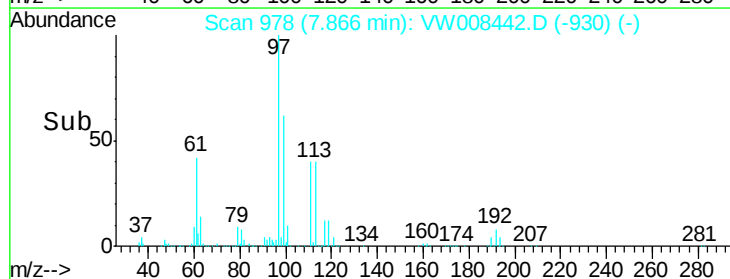
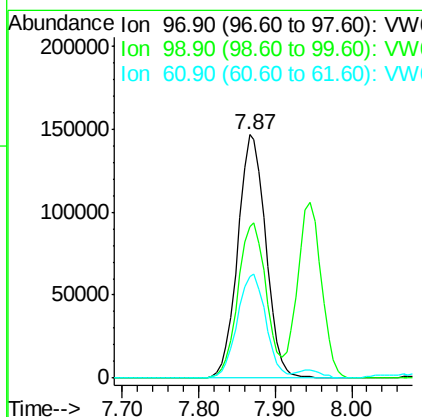
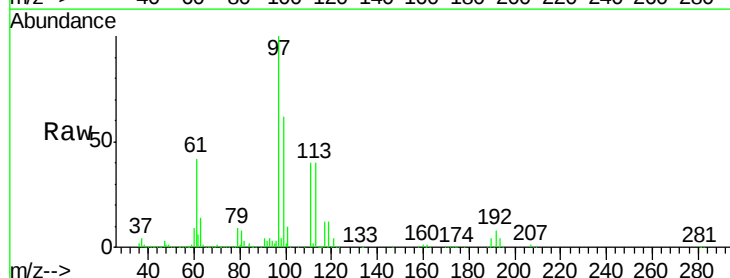
Manual Integrations
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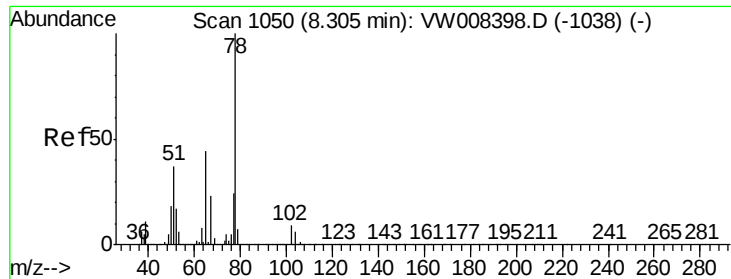
MMDadoda
1/30/2019 9:39:36 AM



#32
1,1,1-Trichloroethane
Concen: 54.794 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	43.7	36.2	54.4





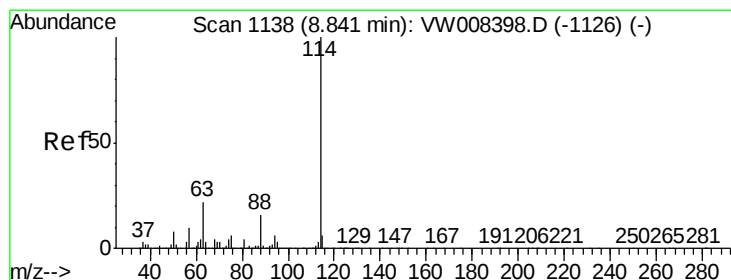
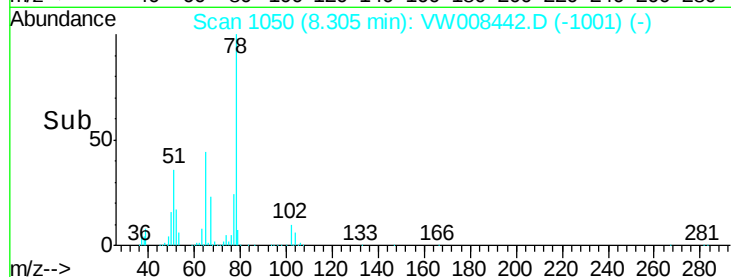
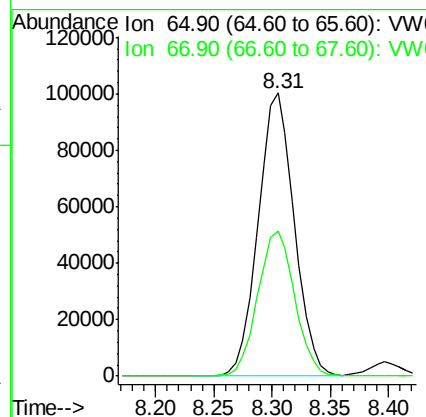
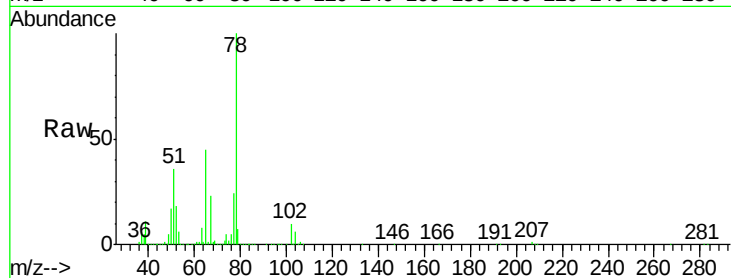
#33
 1,2-Dichloroethane-d4
 Concen: 51.418 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	216748		
67	52.7	0.0	104.0	

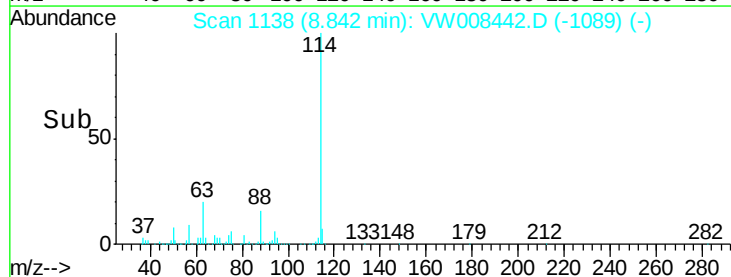
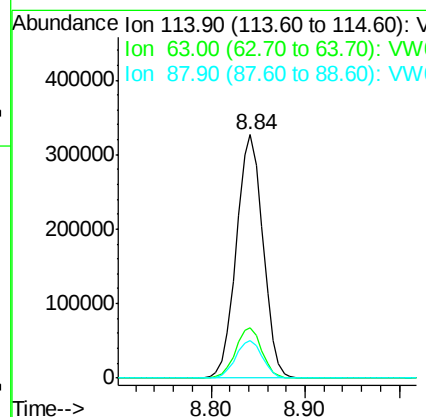
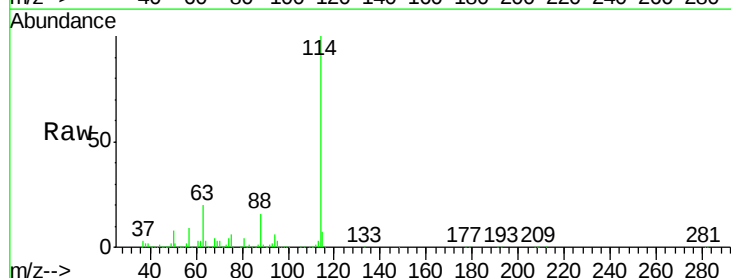
Manual Integrations
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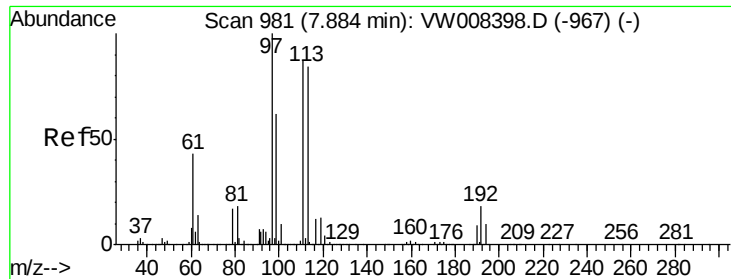
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 1/30/2019 9:39:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	639424		
63	20.5	0.0	43.6	
88	15.7	0.0	31.8	





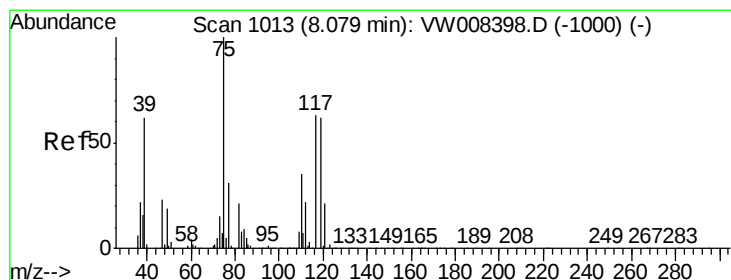
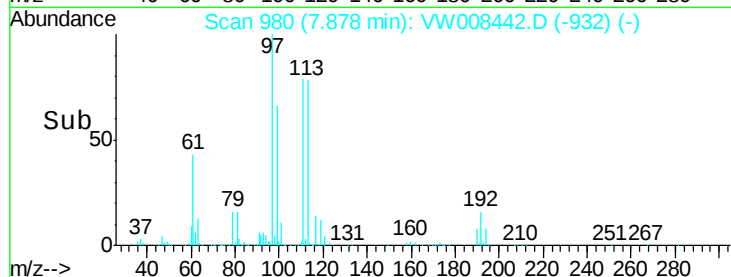
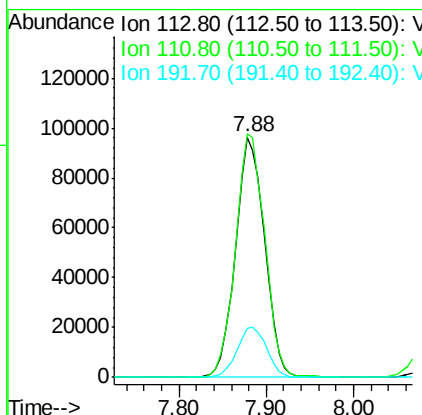
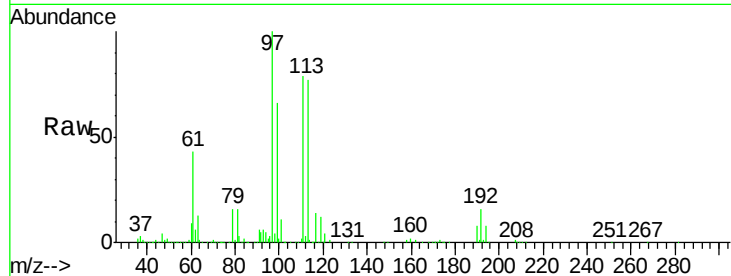
#35
 Dibromofluoromethane
 Concen: 59.746 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223385		
111	102.2	81.0	121.4	
192	21.5	16.8	25.2	

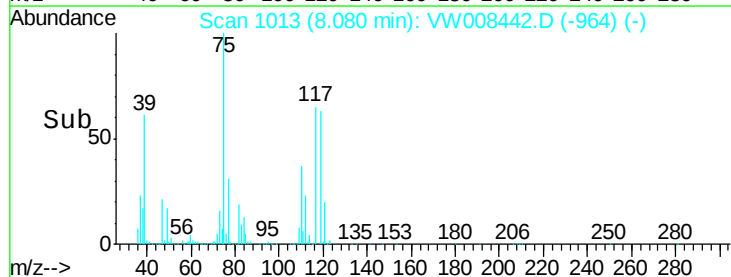
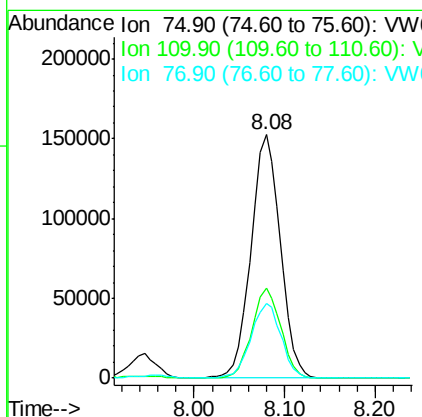
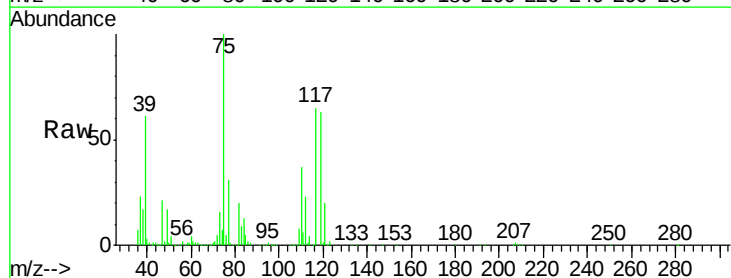
Manual Integrations
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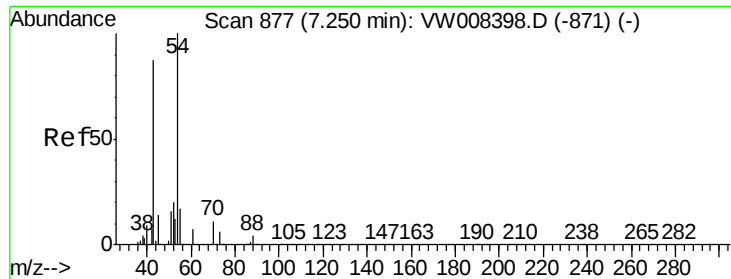
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#36
 1,1-Dichloropropene
 Concen: 56.423 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	340801		
110	36.4	17.3	52.0	
77	31.4	24.7	37.1	





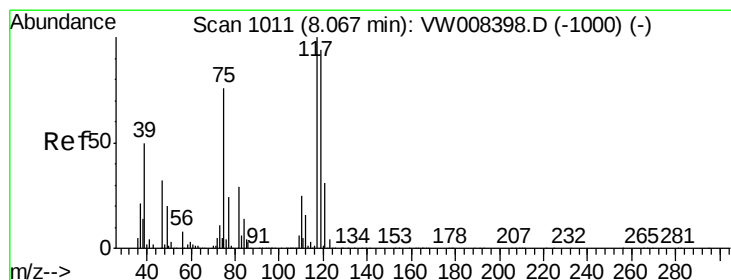
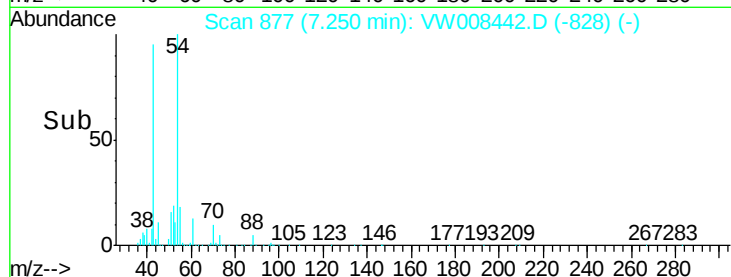
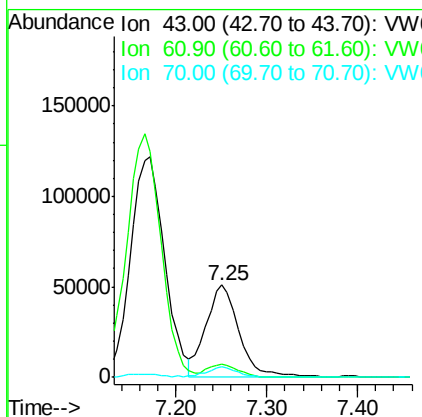
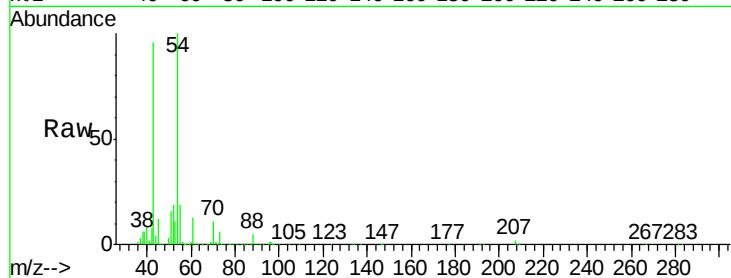
#37
Ethyl Acetate
Concen: 47.680 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.1	15.1
70	10.9	7.8	11.6

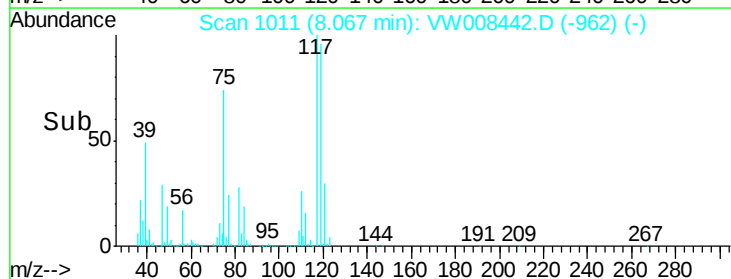
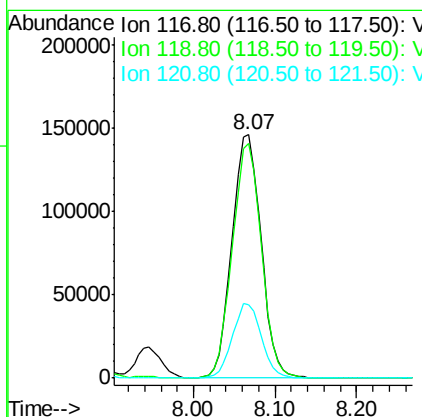
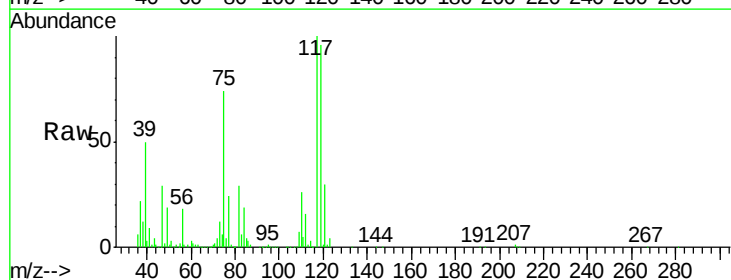
Manual Integrations
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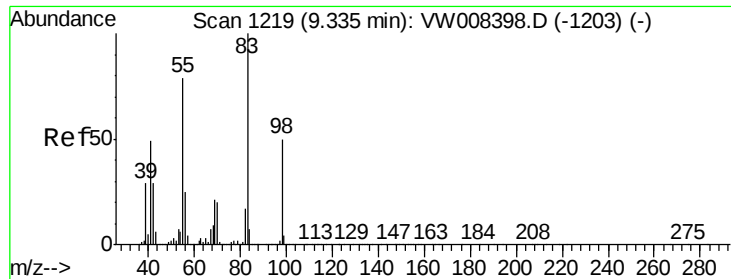
MMDadoda
1/30/2019 9:39:36 AM



#38
Carbon Tetrachloride
Concen: 59.345 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.0	112.4
121	30.1	24.9	37.3





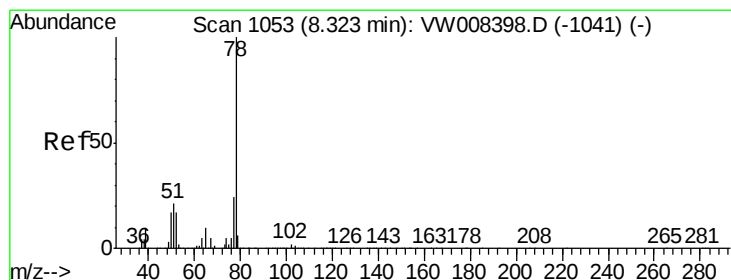
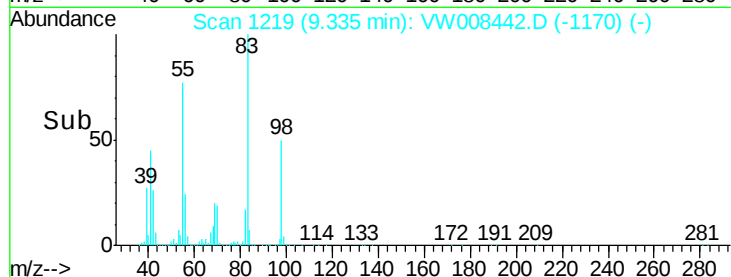
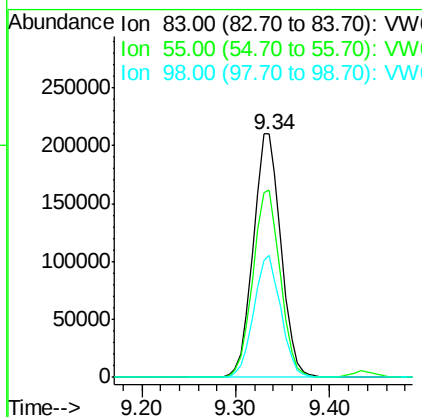
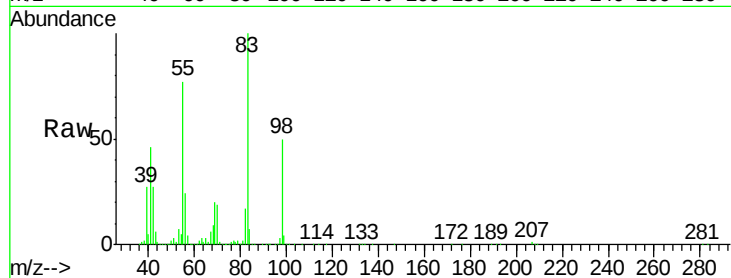
#39
Methvlcvclohexane
Concen: 54.865 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	63.3	94.9
98	49.9	39.7	59.5

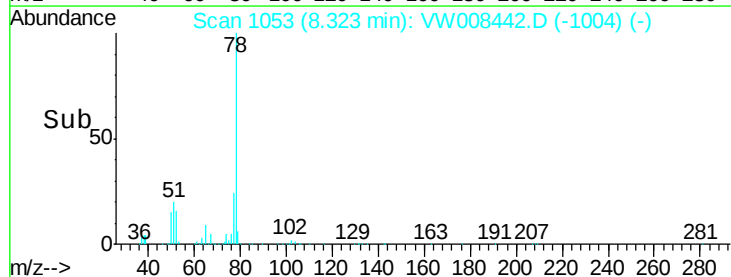
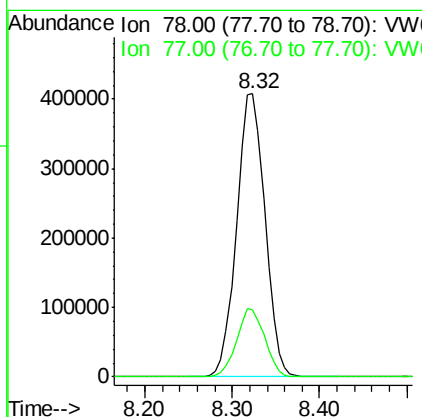
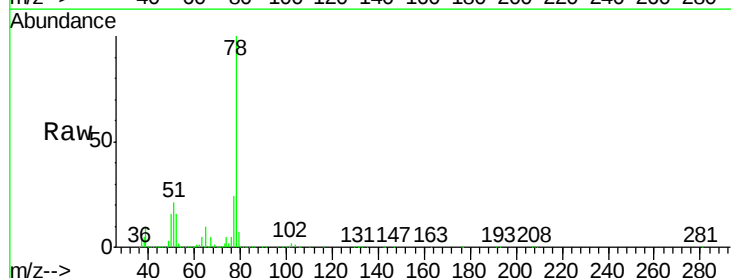
Manual Integrations
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#40
Benzene
Concen: 54.821 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 49.572 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

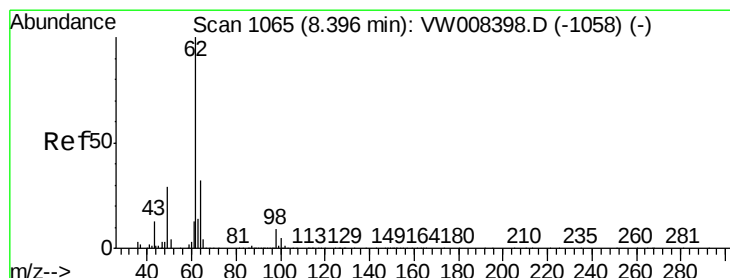
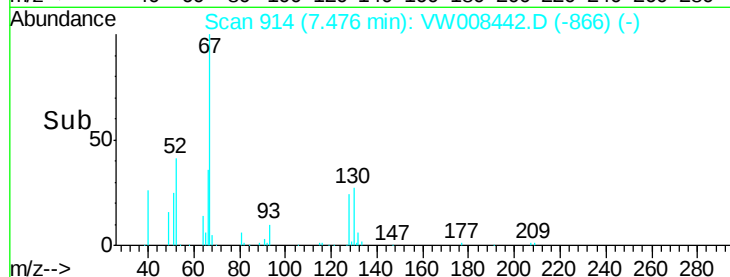
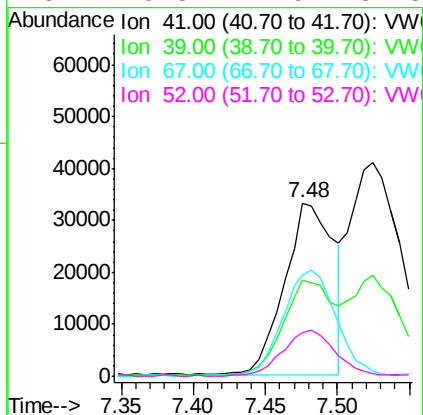
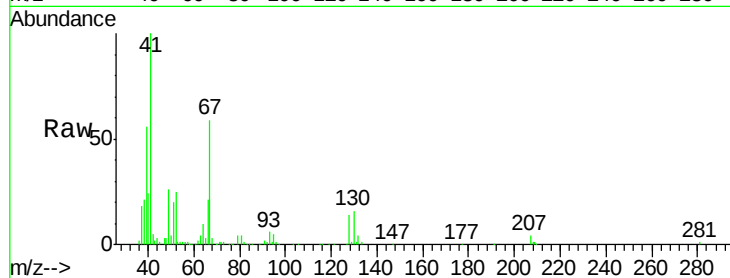
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	43.4	65.0	
67	66.9	54.2	81.2	
52	29.3	22.9	34.3	

Manual Integrations
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1/30/2019 9:39:36 AM



#42

1,2-Dichloroethane

Concen: 52.119 ug/l

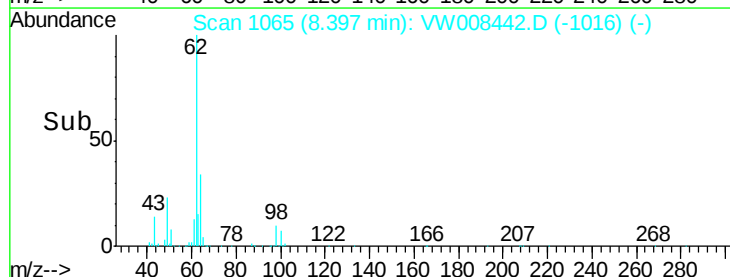
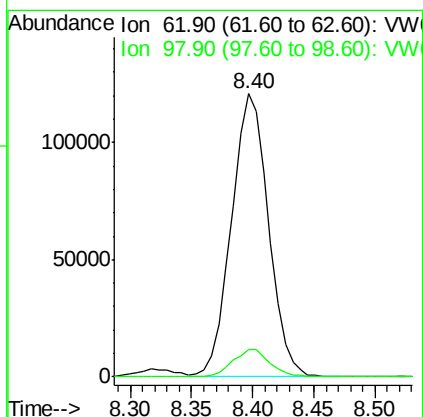
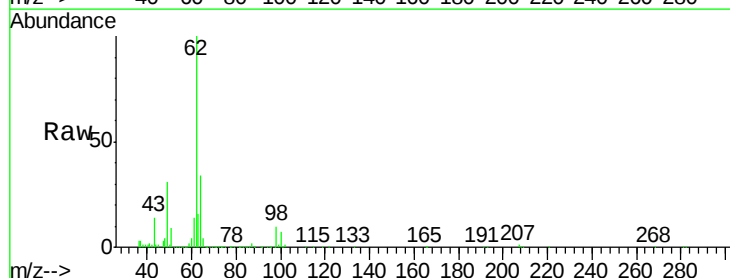
RT: 8.40 min Scan# 1065

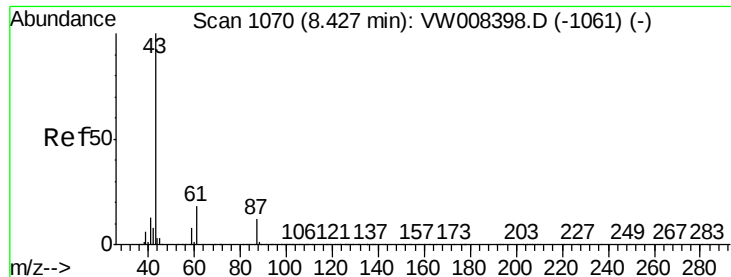
Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	18.6	





#43

Isopropyl Acetate

Concen: 47.163 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

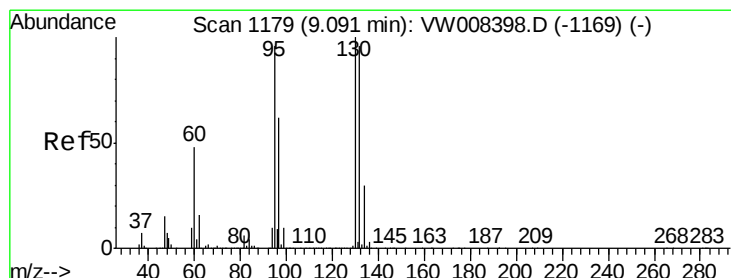
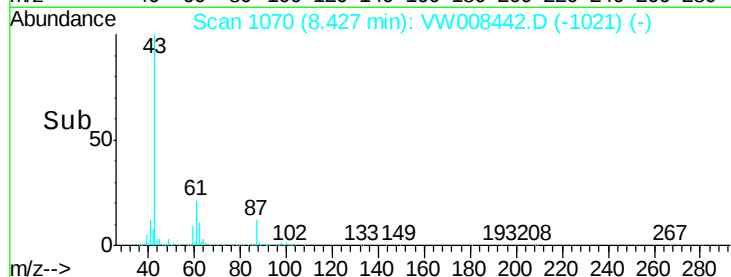
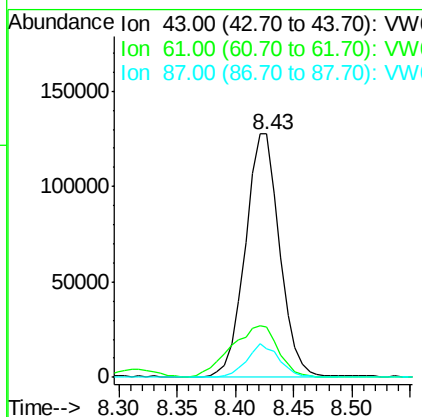
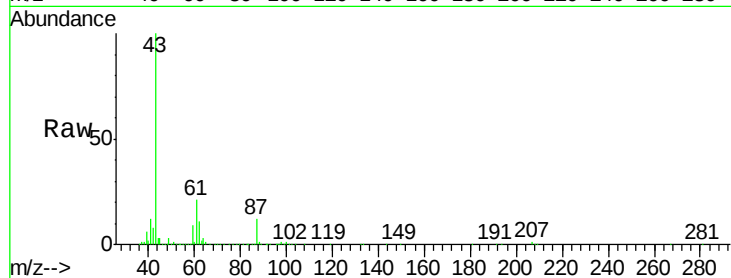
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	261837
Ion Ratio		Lower	Upper
43	100		
61	29.1	22.0	33.0
87	13.0	9.3	13.9

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#44

Trichloroethene

Concen: 57.909 ug/l

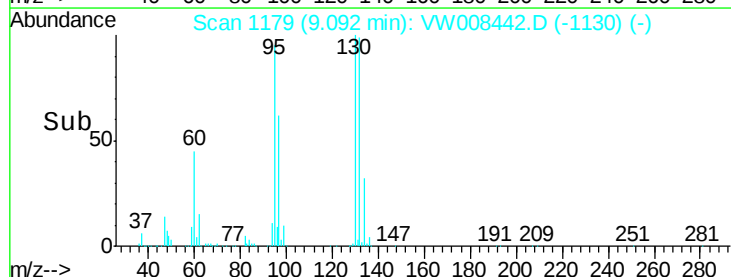
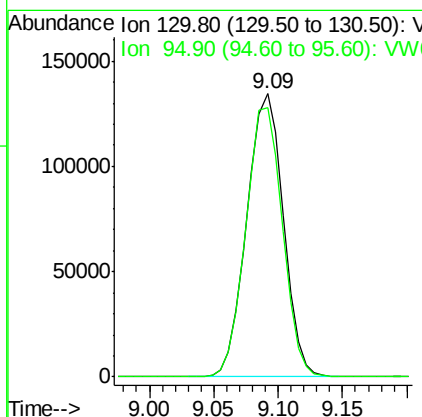
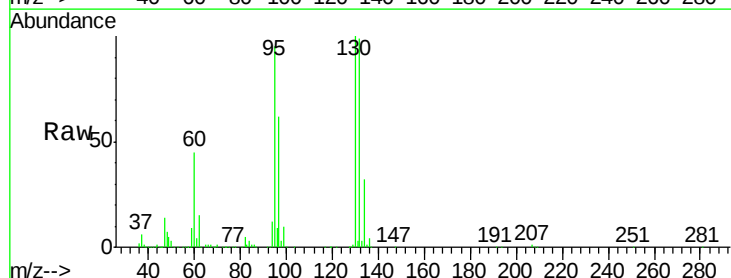
RT: 9.09 min Scan# 1179

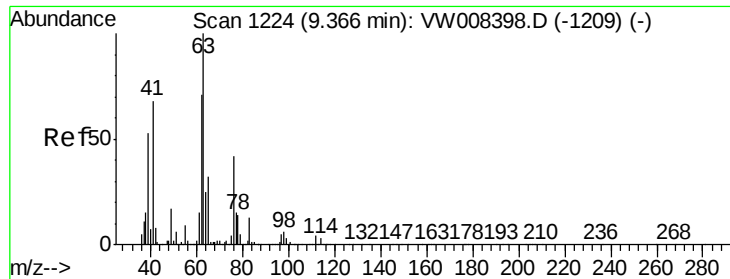
Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion:	130	Resp:	263935
Ion Ratio		Lower	Upper
130	100		
95	95.1	0.0	191.6





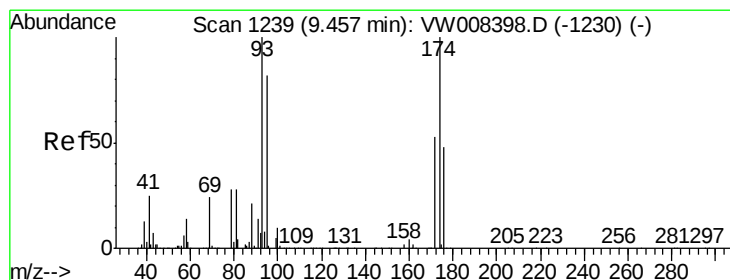
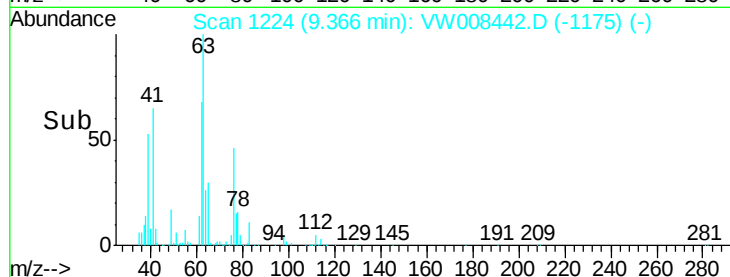
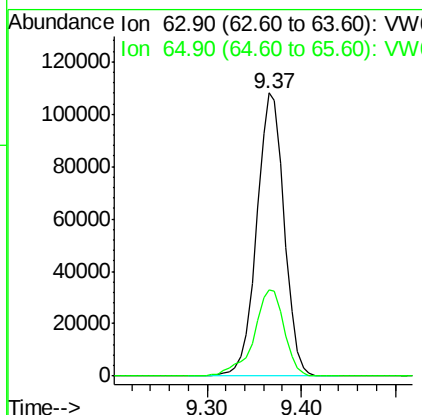
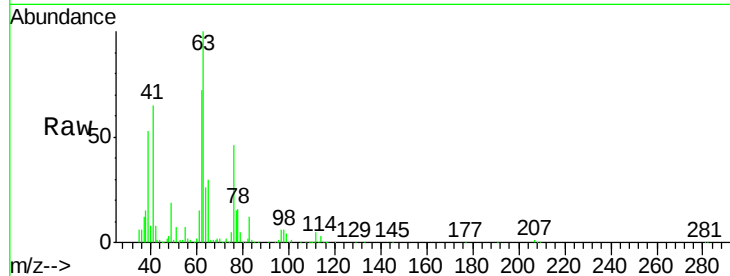
#45
 1,2-Dichloropropane
 Concen: 52.837 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 220807
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.2 37.8

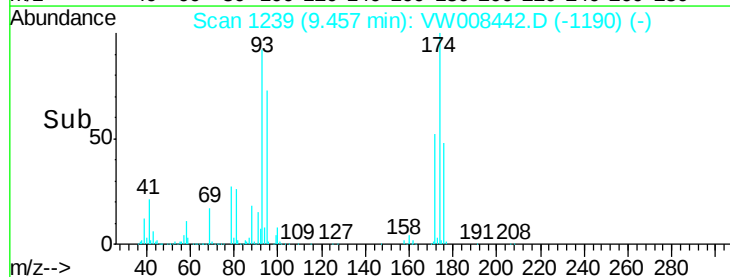
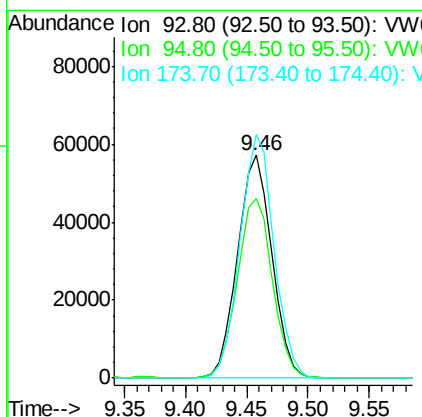
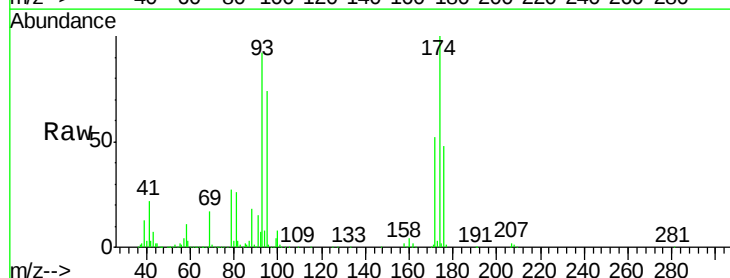
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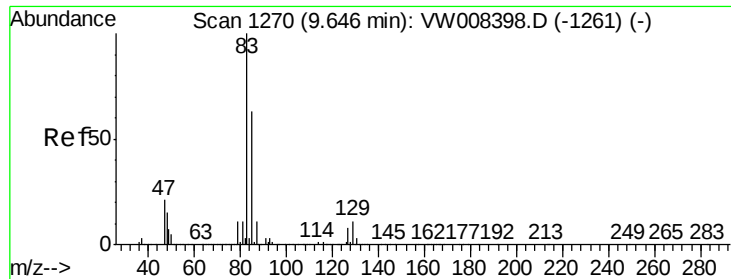
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 1/30/2019 9:39:36 AM



#46
 Dibromomethane
 Concen: 51.983 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion: 93 Resp: 111733
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.9 98.9
 174 107.9 81.0 121.6





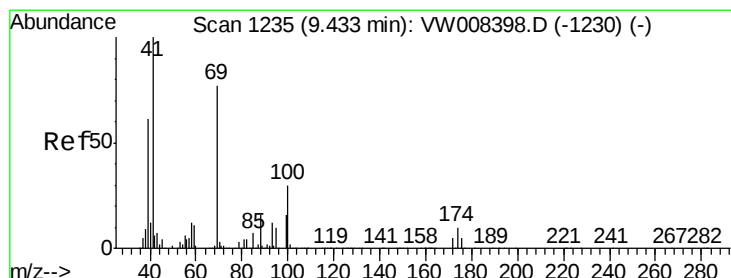
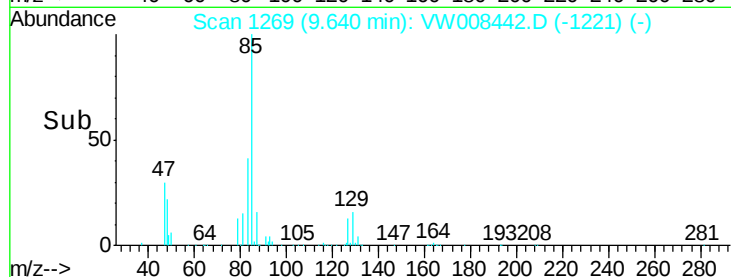
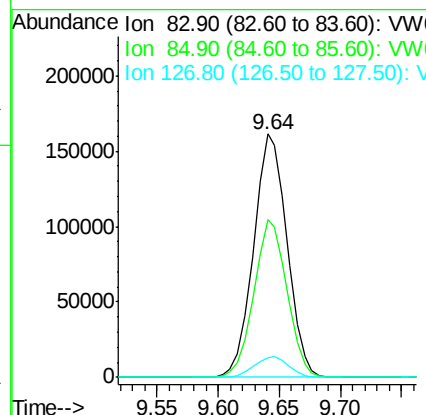
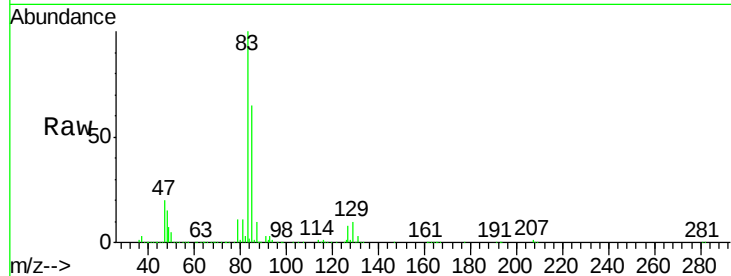
#47
Bromodichloromethane
Concen: 53.953 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	306735		
85	64.7	50.8	76.2	
127	8.3	6.8	10.2	

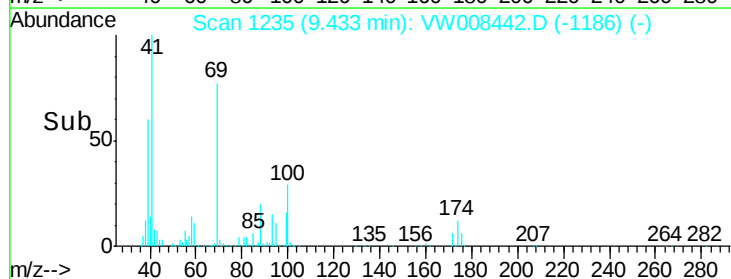
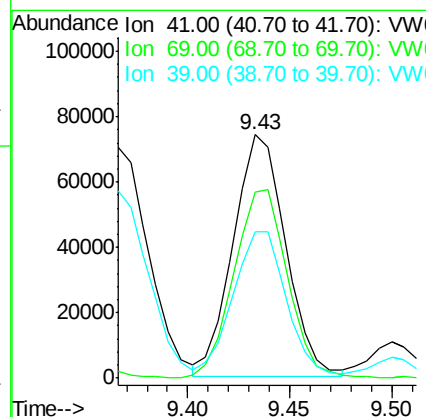
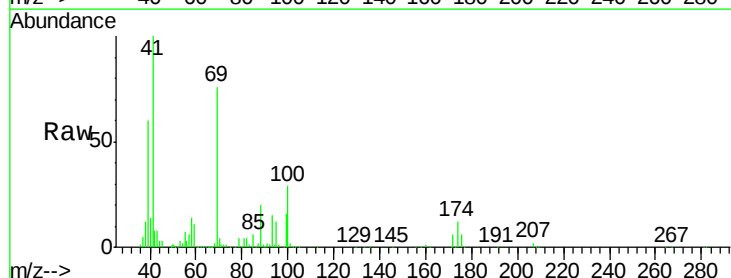
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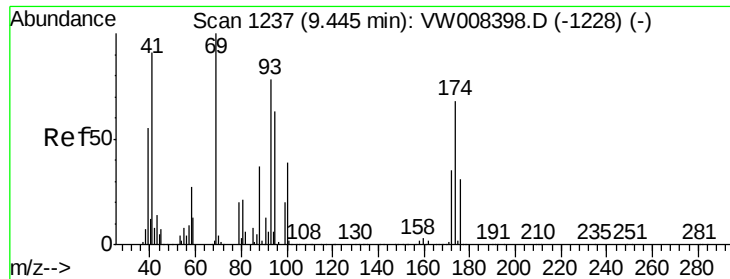
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#48
Methyl methacrylate
Concen: 48.843 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	132589		
69	78.6	64.8	97.2	
39	57.8	49.1	73.7	





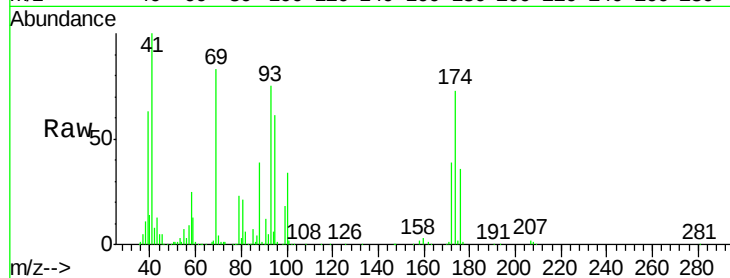
#49
1,4-Dioxane
Concen: 1092.320 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.7	29.0	43.4	
58	70.5	56.4	84.6	

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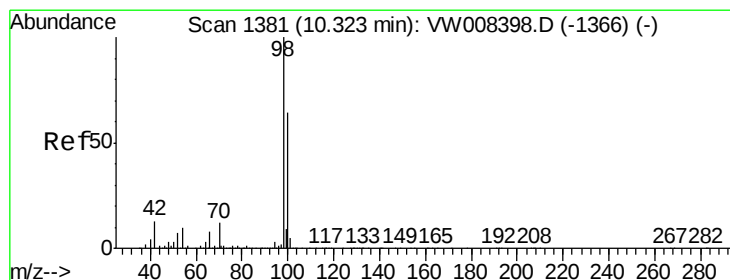
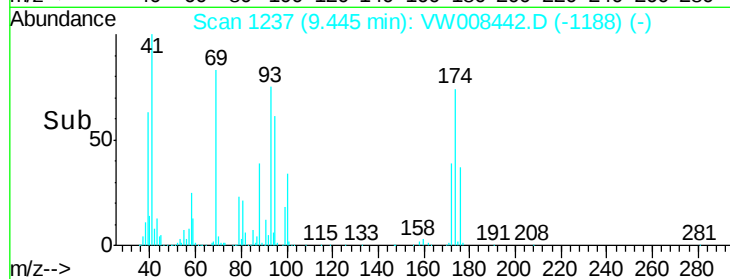
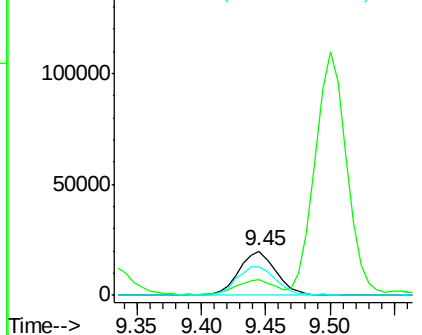


Abundance

Ion 88.00 (87.70 to 88.70): VW

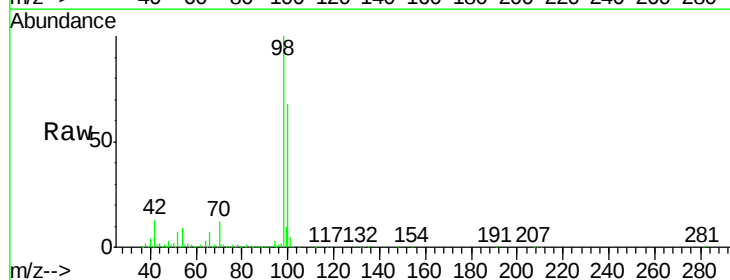
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 58.903 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

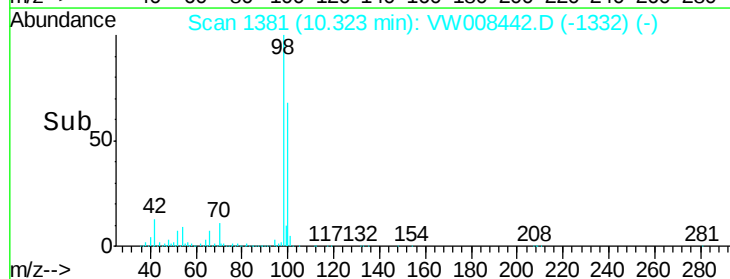
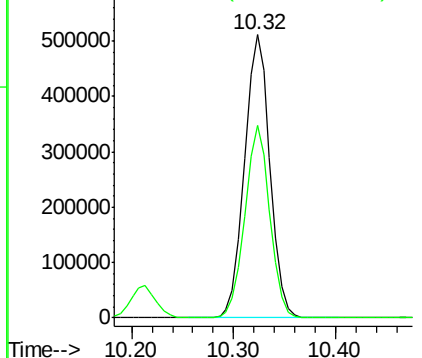
Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.3	52.6	78.8	

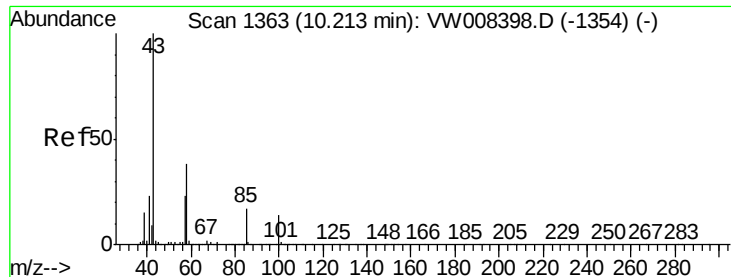


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 231.931 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 636129

Ion Ratio Lower Upper

43 100

58 37.5

29.7

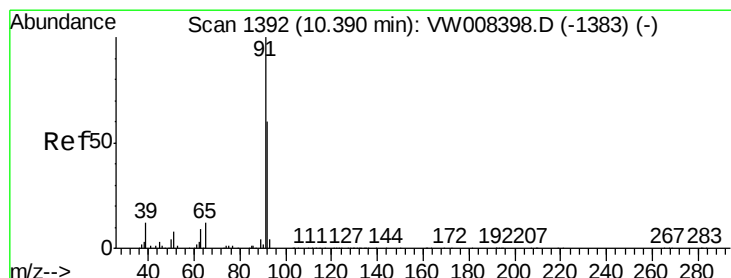
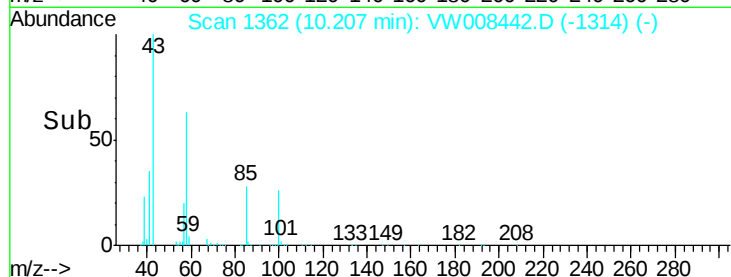
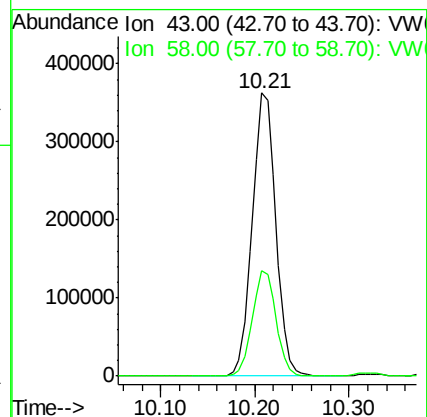
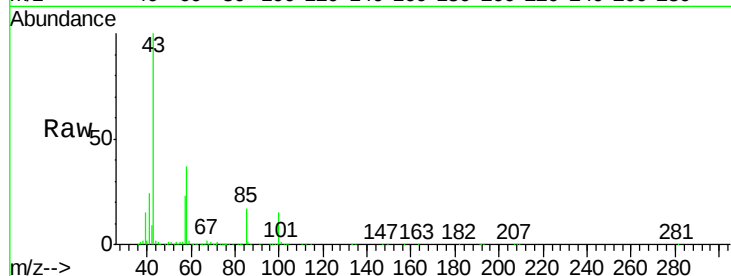
44.5

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#52

Toluene

Concen: 54.074 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion: 92 Resp: 598267

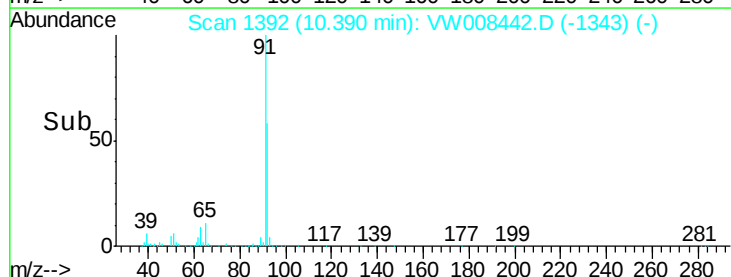
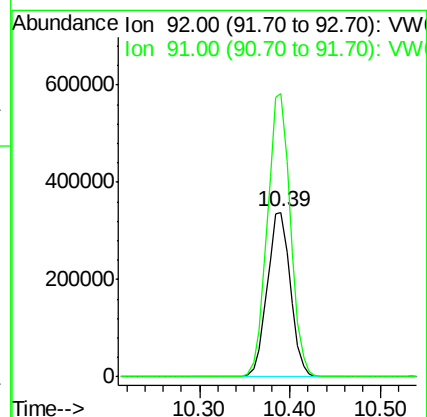
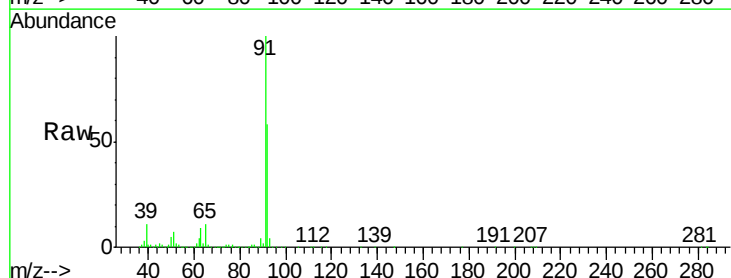
Ion Ratio Lower Upper

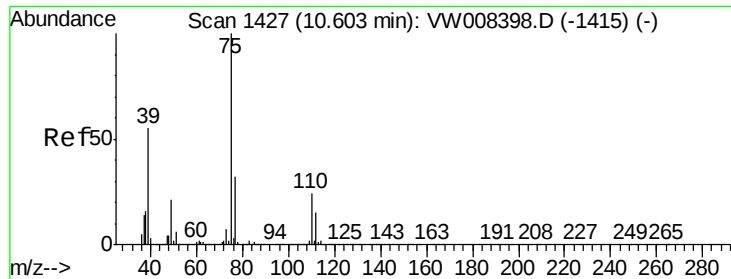
92 100

91 171.3

135.5

203.3





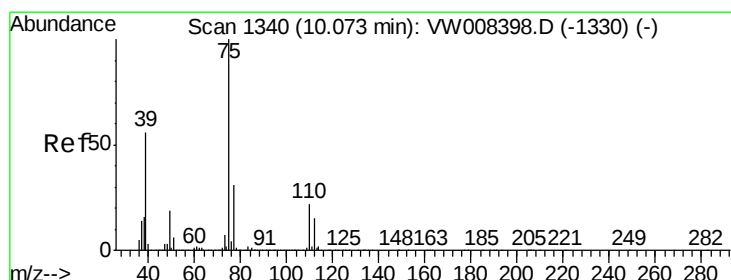
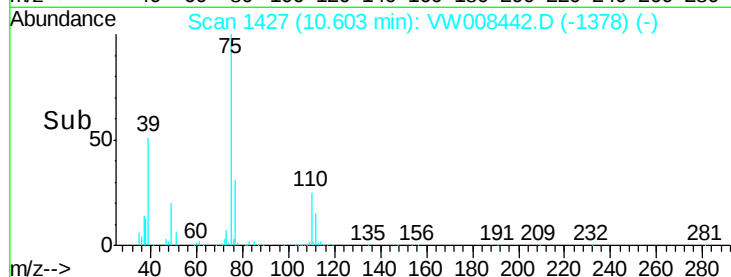
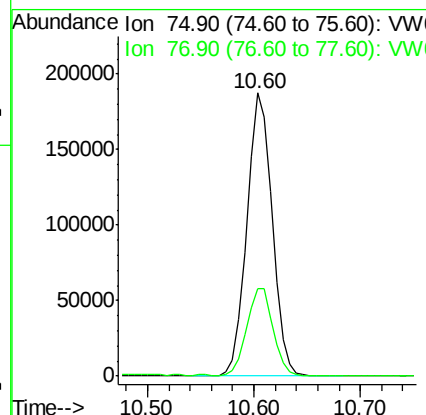
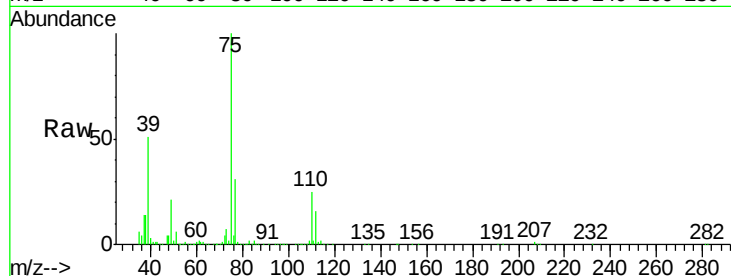
#53
t-1,3-Dichloropropene
Concen: 51.964 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.3	37.9

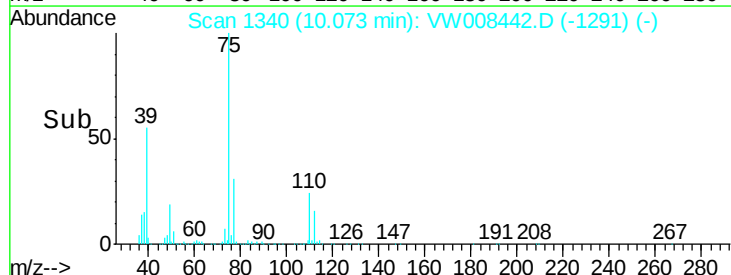
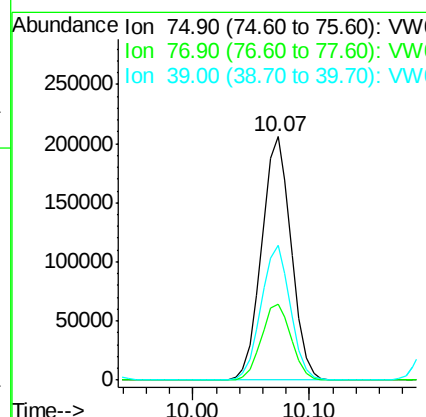
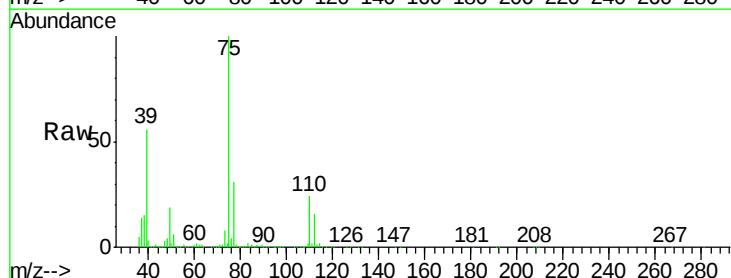
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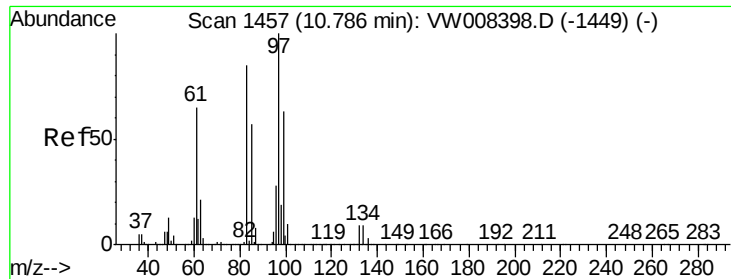
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#54
cis-1,3-Dichloropropene
Concen: 53.102 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	55.4	44.9	67.3





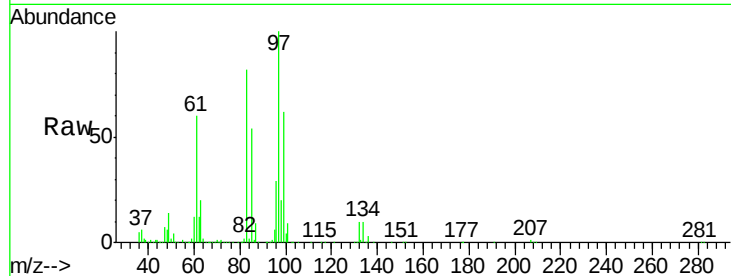
#55
 1,1,2-Trichloroethane
 Concen: 52.534 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

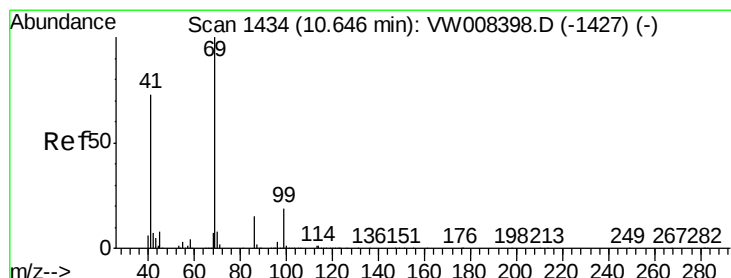
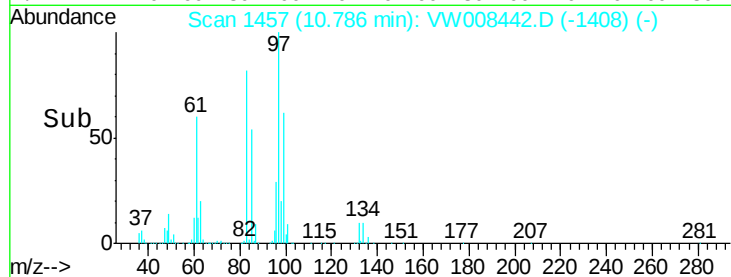
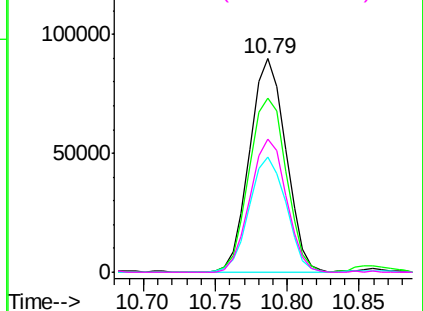
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		156624		
83	81.7	68.4	102.6		
85	54.2	45.3	67.9		
99	62.2	50.6	76.0		

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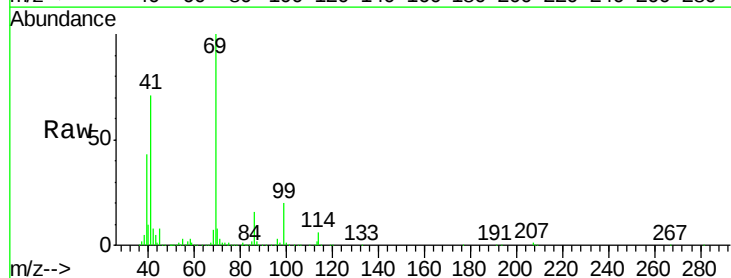


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

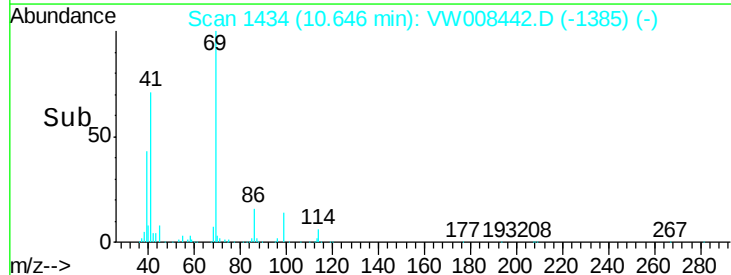
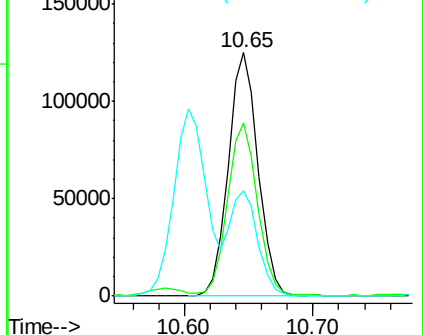


#56
 Ethyl methacrylate
 Concen: 47.794 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		199663		
41	71.6	58.7	88.1		
39	40.9	32.6	48.8		



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 51.448 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 274792

Ion Ratio Lower Upper

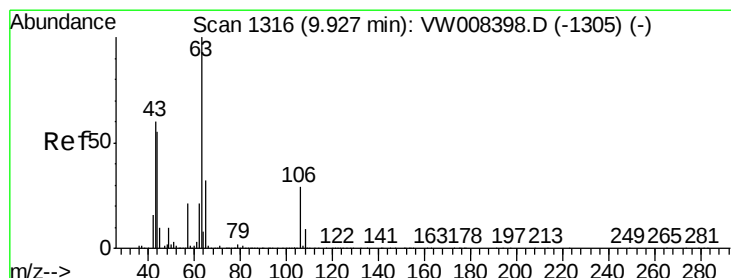
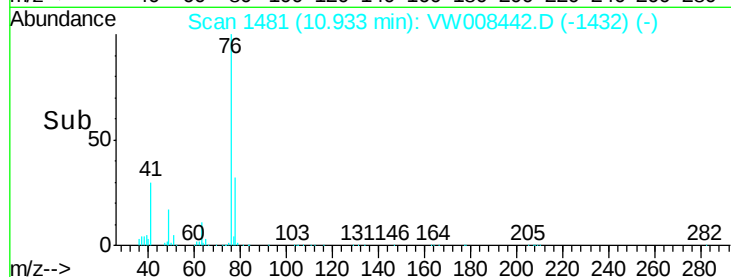
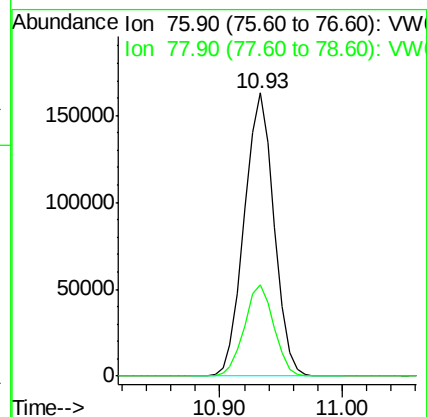
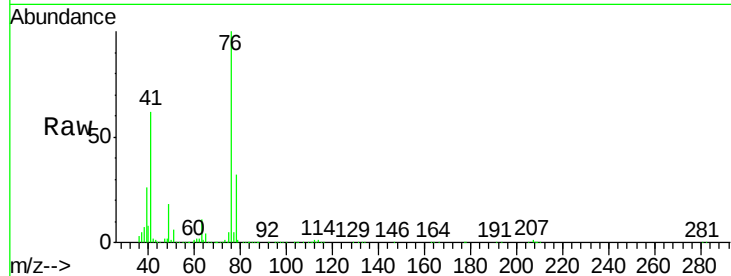
76 100

78 32.2 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 240.213 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008442.D

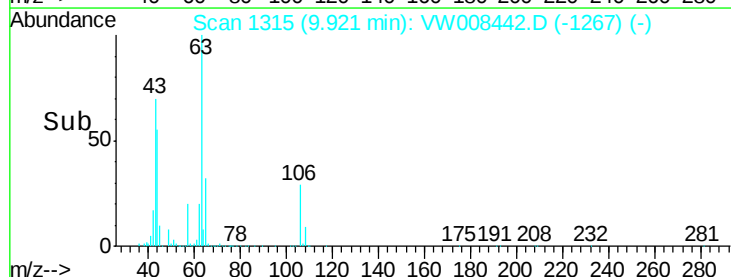
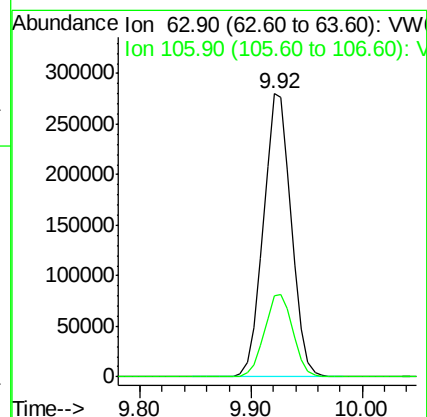
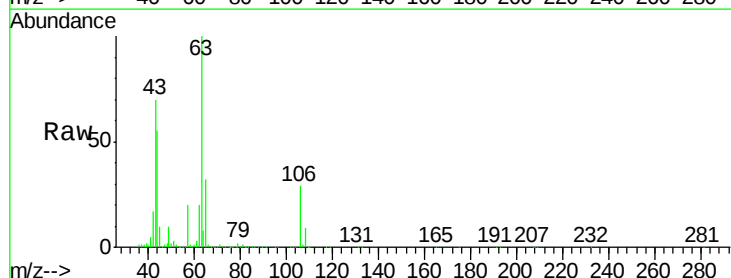
Acq: 29 Jan 2019 10:21

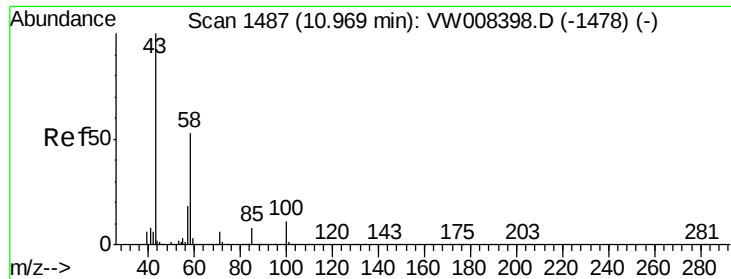
Tgt Ion: 63 Resp: 487573

Ion Ratio Lower Upper

63 100

106 29.8 22.4 33.6





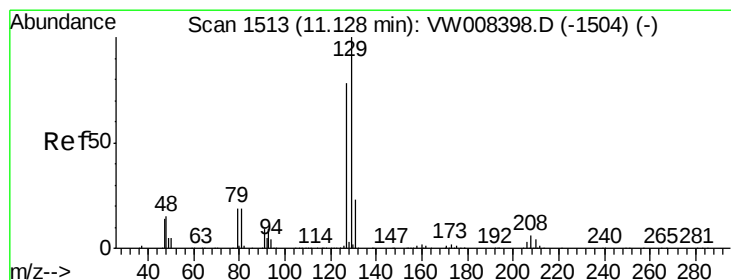
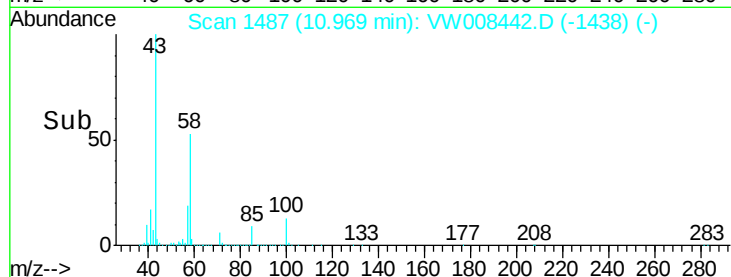
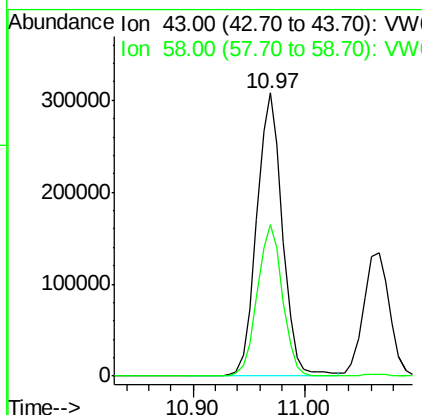
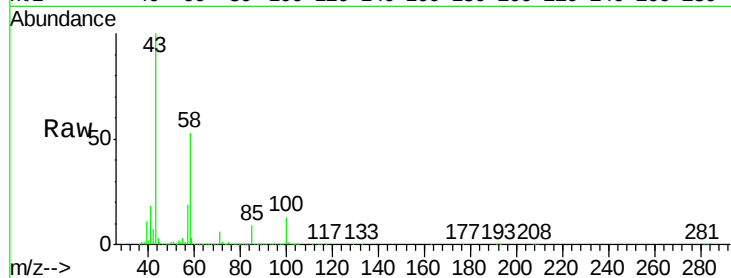
#59
2-Hexanone
Concen: 255.932 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 495554
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7

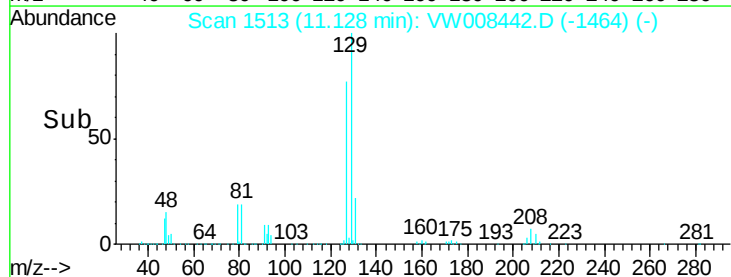
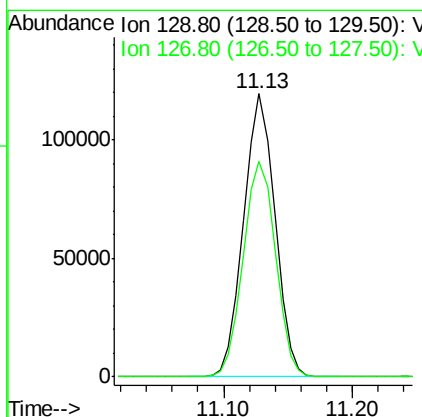
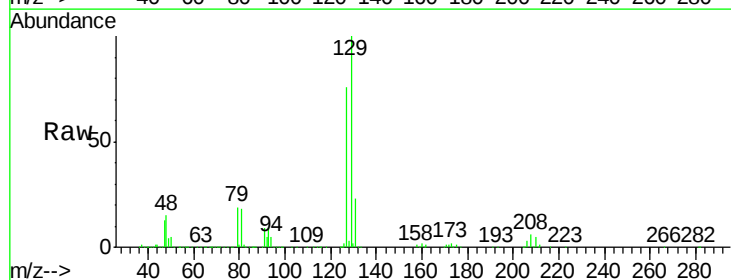
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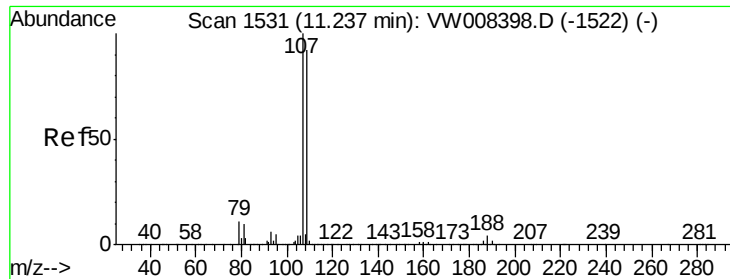
MMDadoda
1/30/2019 9:39:36 AM



#60
Dibromochloromethane
Concen: 52.688 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 129 Resp: 201865
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2





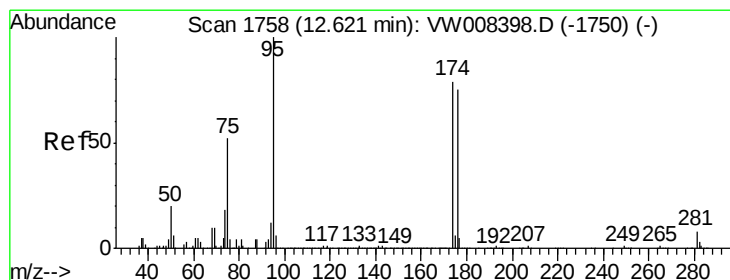
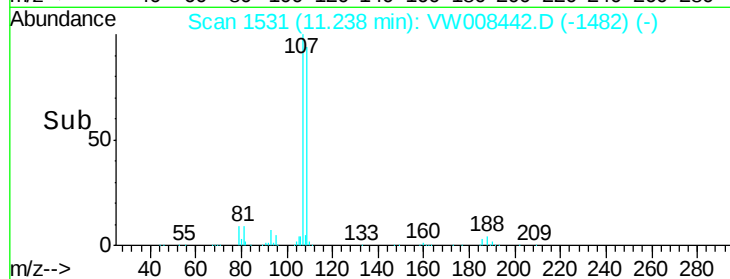
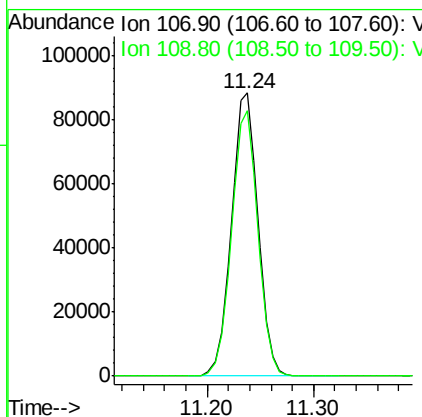
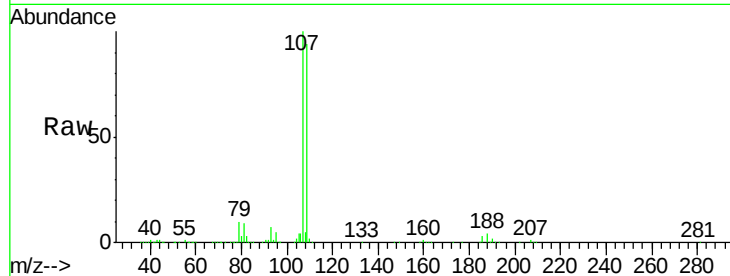
#61
 1,2-Dibromoethane
 Concen: 52.350 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.0	112.4

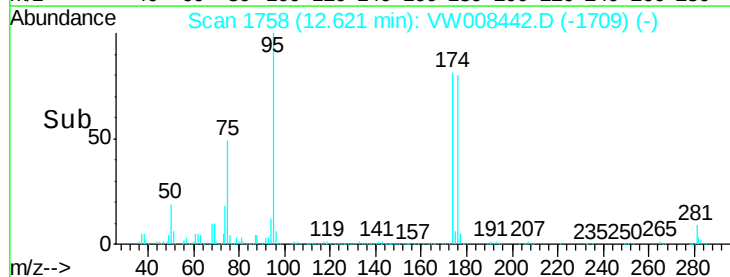
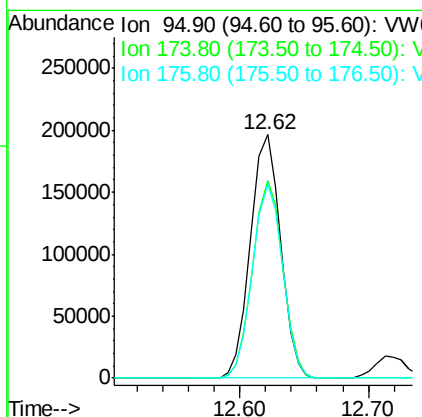
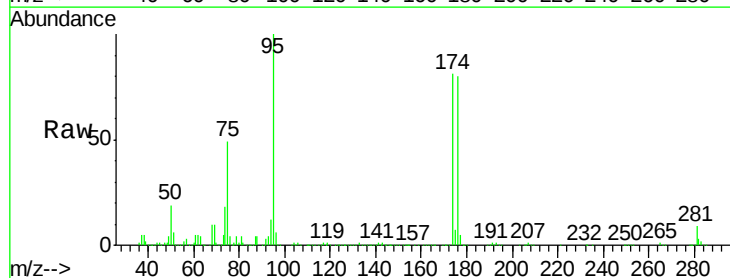
Manual Integrations
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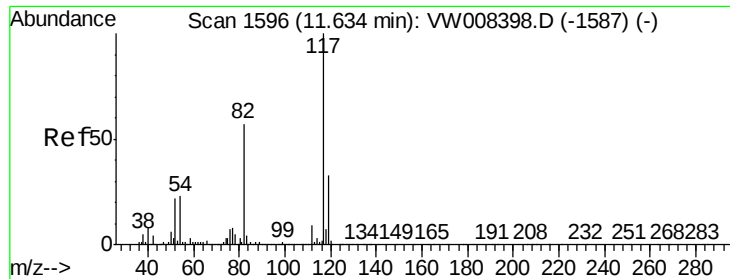
MMDadoda
 1/30/2019 9:39:36 AM



#62
 4-Bromofluorobenzene
 Concen: 55.041 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	157.6
176	79.9	0.0	151.8





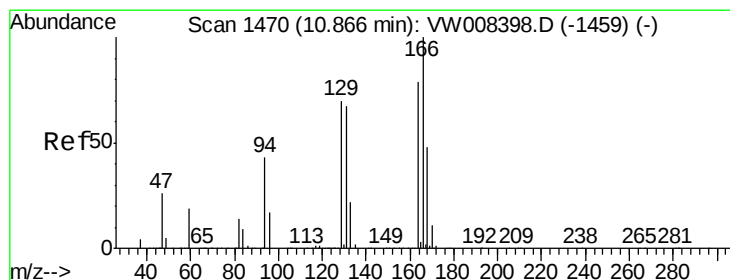
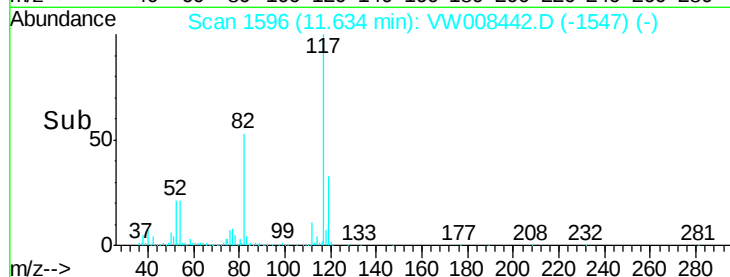
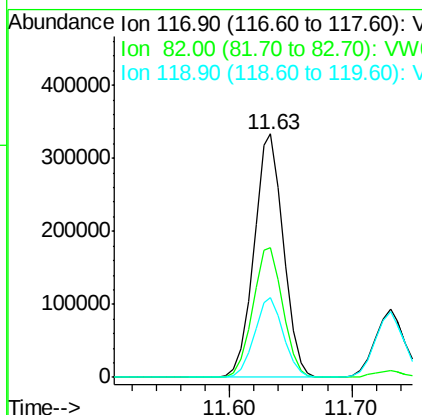
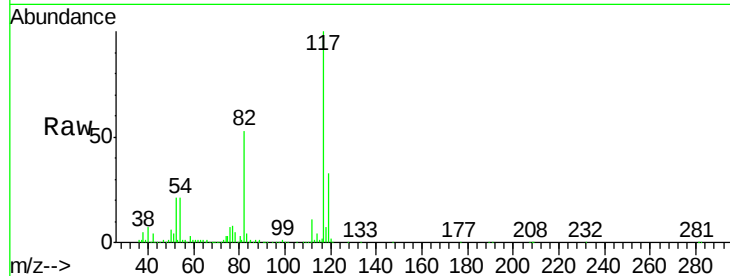
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	53.2	45.4	68.0
119	32.6	26.2	39.4

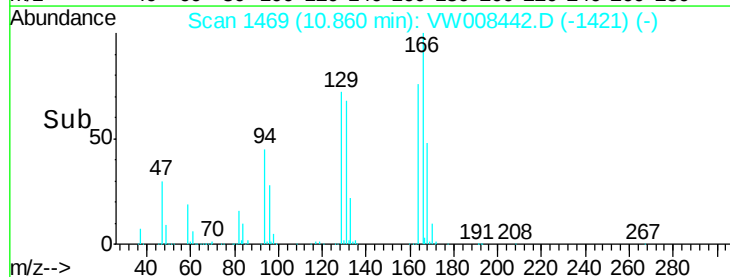
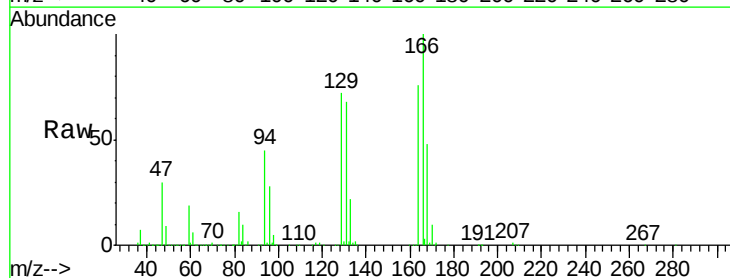
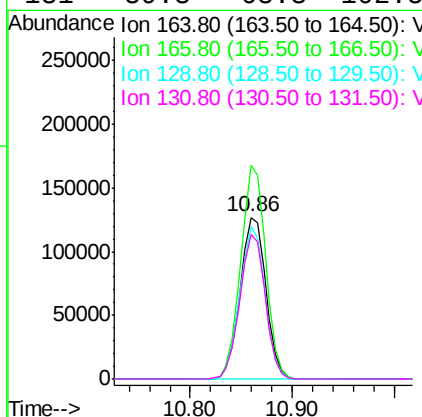
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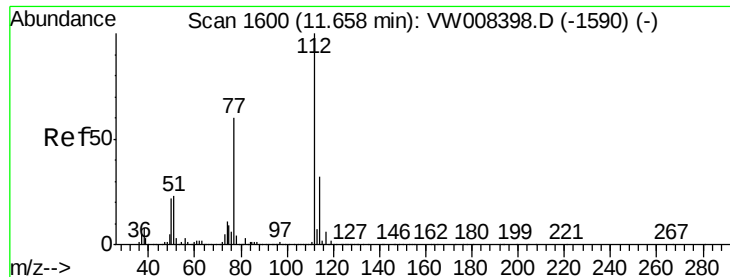
MMDadoda
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#64
Tetrachloroethene
Concen: 58.764 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	132.3	101.4	152.0
129	94.6	71.0	106.6
131	89.3	68.3	102.5





#65

Chlorobenzene

Concen: 57.502 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 652387

Ion Ratio Lower Upper

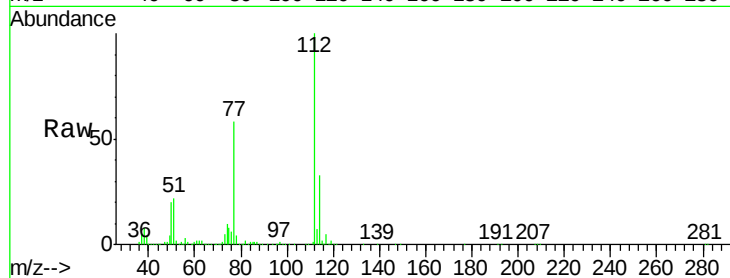
112 100

114 32.6 25.4 38.2

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

400000

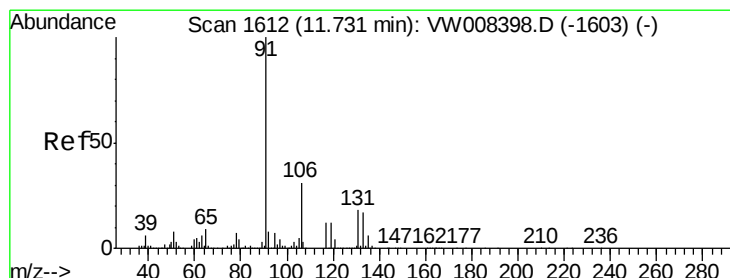
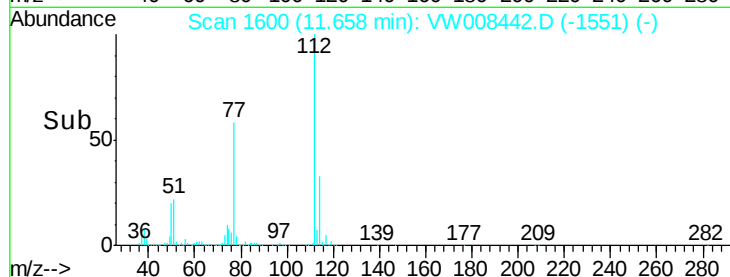
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 57.026 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

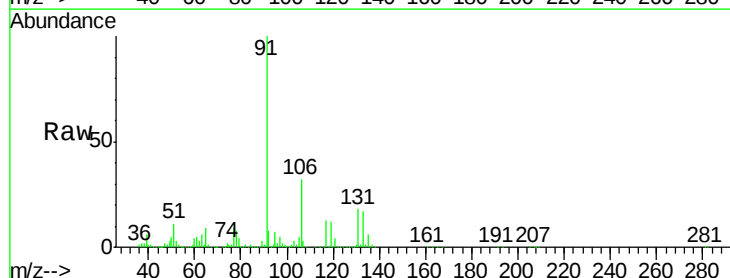
Tgt Ion:131 Resp: 231481

Ion Ratio Lower Upper

131 100

133 95.0 47.0 141.2

119 64.1 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

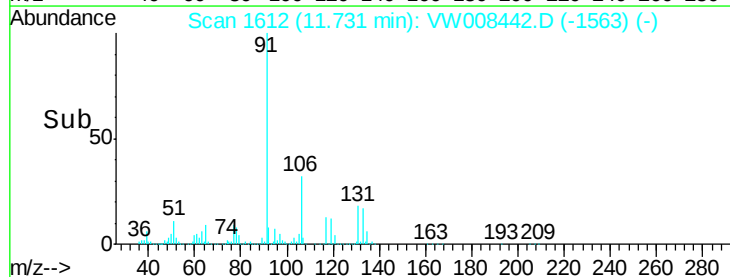
150000

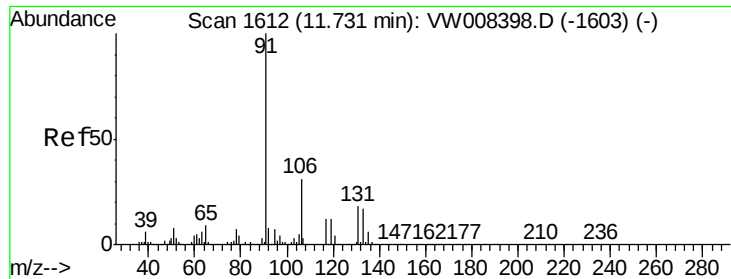
100000

50000

0

Time-->





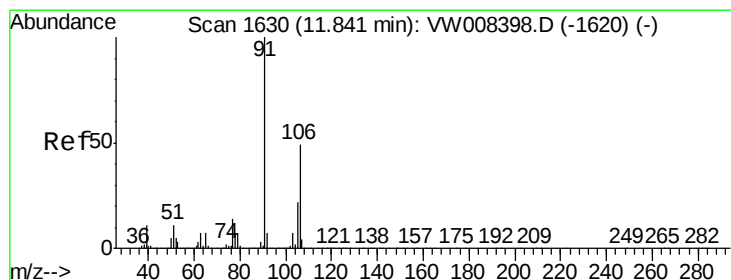
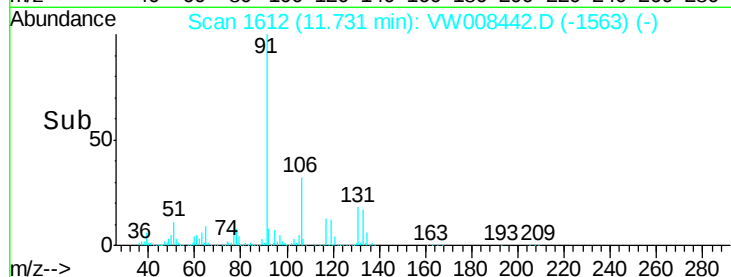
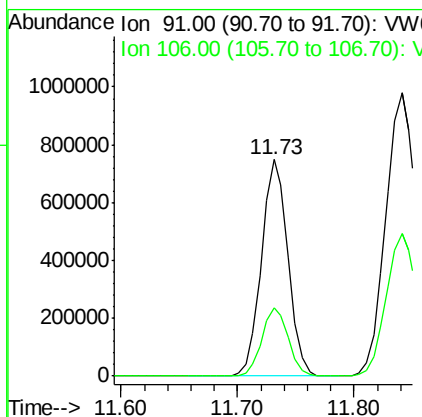
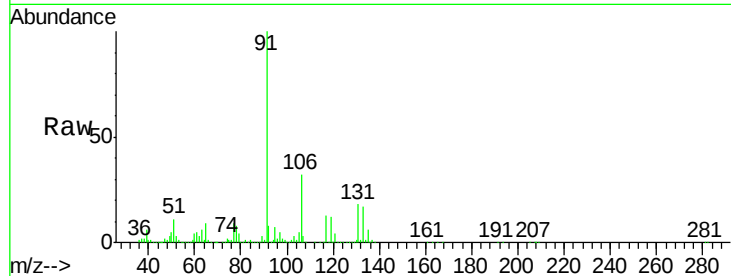
#67
Ethyl Benzene
Concen: 56.845 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1185483
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1

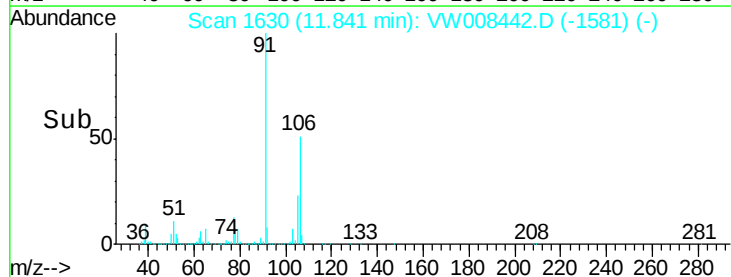
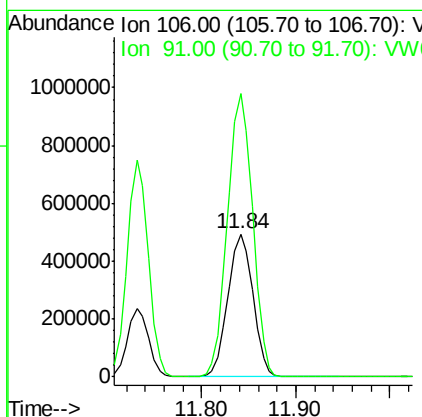
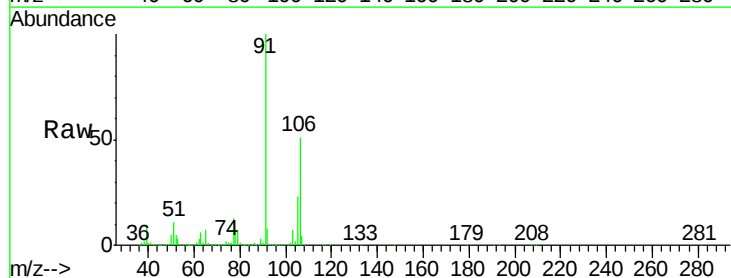
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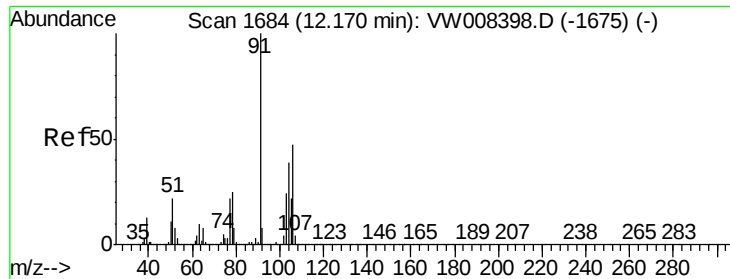
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#68
m/p-Xylenes
Concen: 113.149 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 106 Resp: 915548
Ion Ratio Lower Upper
106 100
91 198.5 162.9 244.3





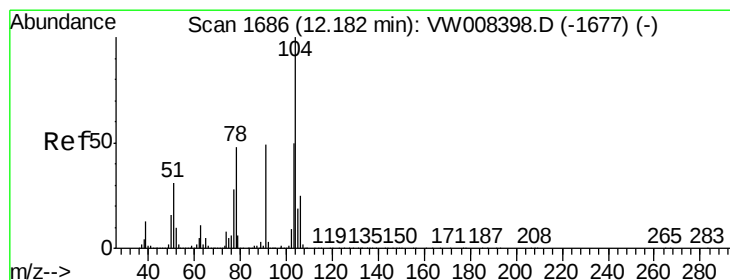
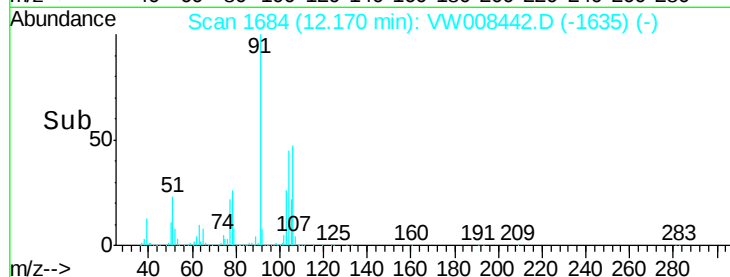
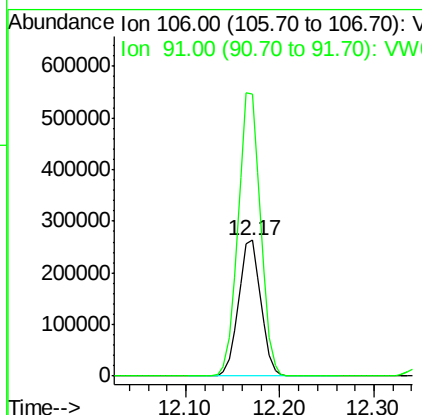
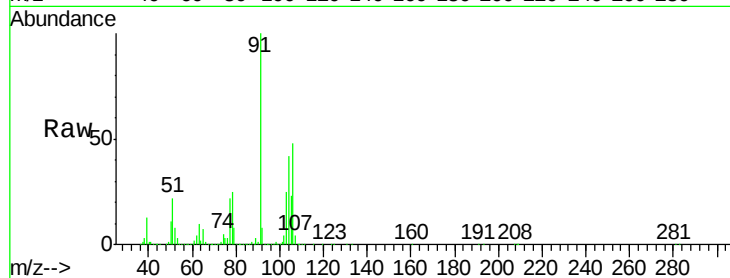
#69
o-Xylene
Concen: 55.968 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	107.5	322.4

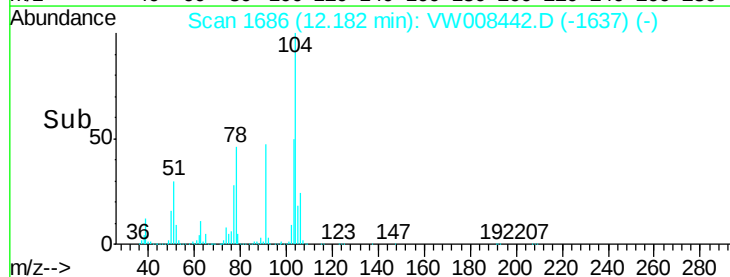
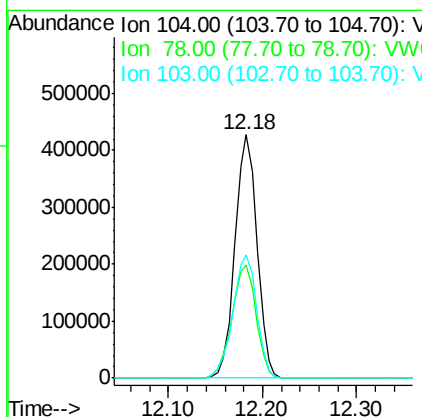
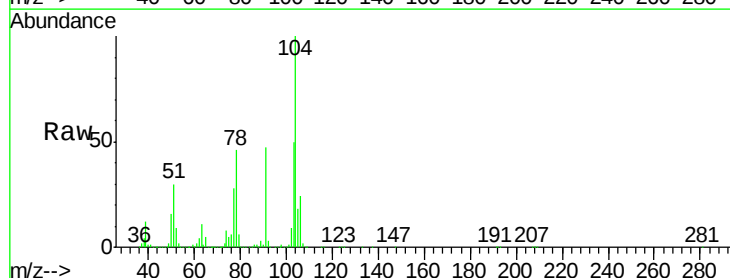
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#70
Styrene
Concen: 54.610 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.4	63.6
103	54.8	43.4	65.0





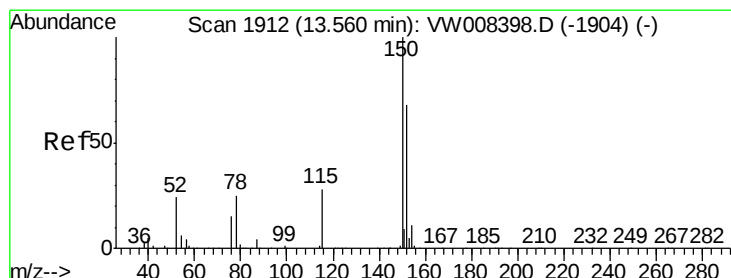
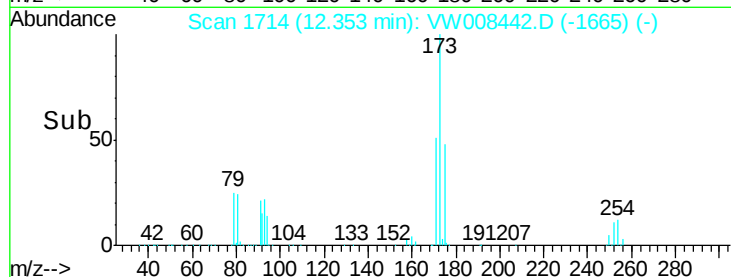
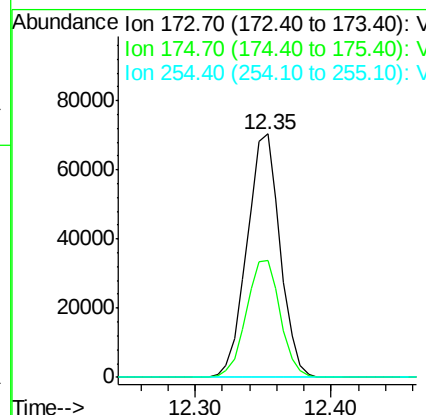
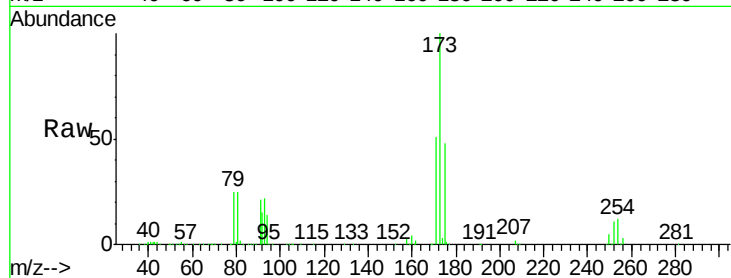
#71
Bromoform
Concen: 52.497 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.4
254	0.1	0.2	0.2

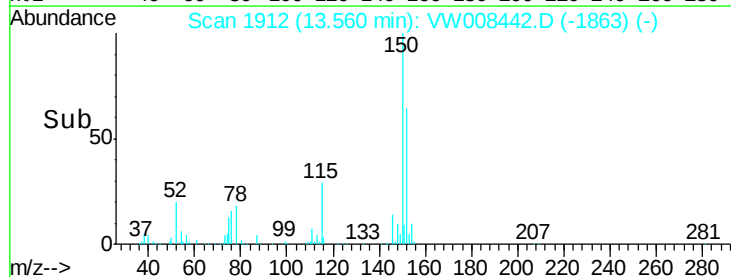
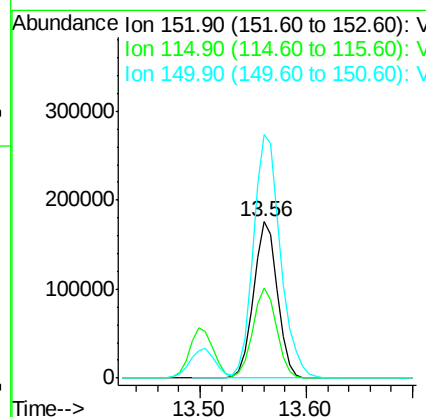
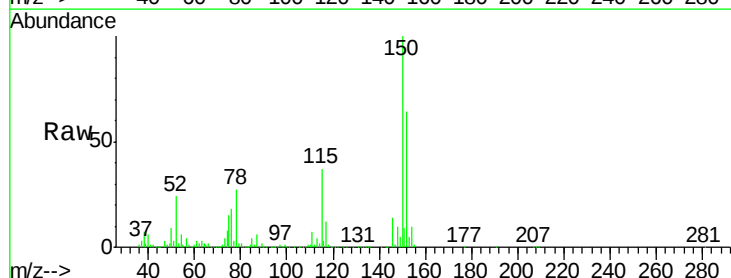
Manual Integrations
APPROVED

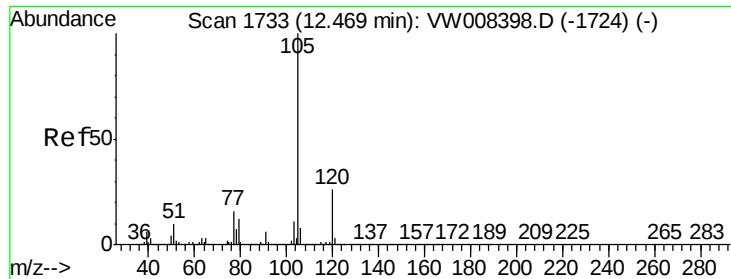
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.9	89.7
150	175.6	0.0	351.4





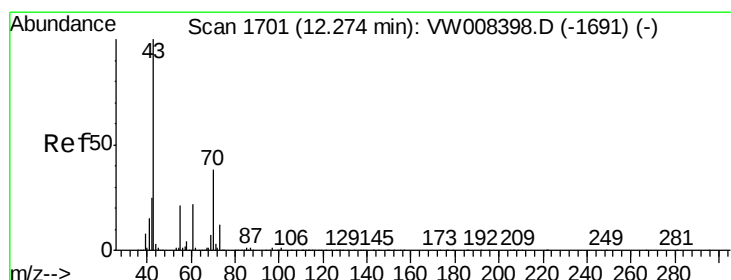
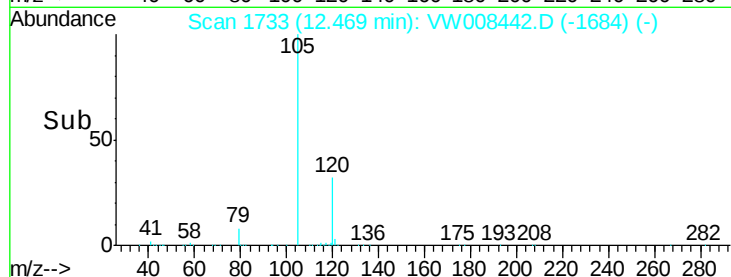
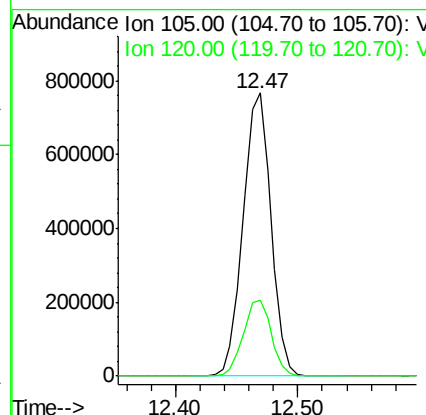
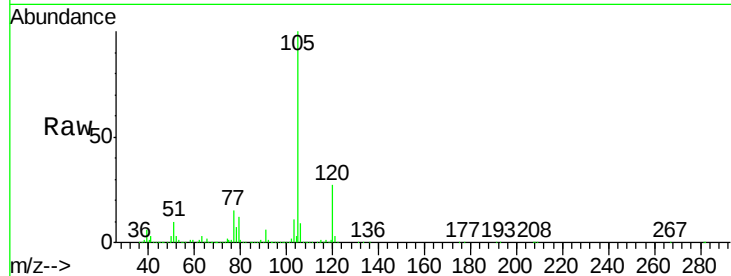
#73
Isopropylbenzene
Concen: 58.630 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1206653
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.8

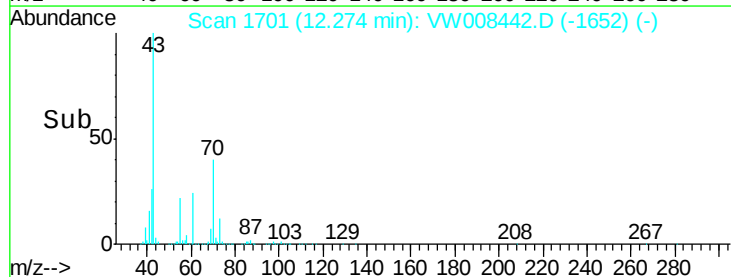
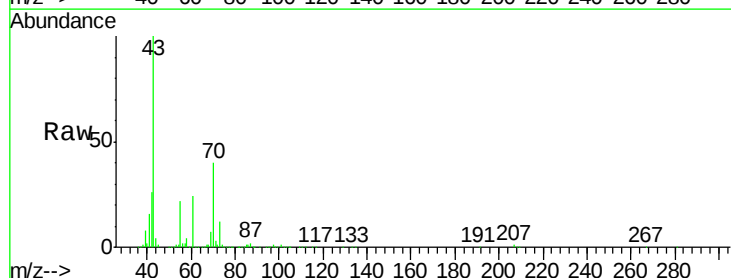
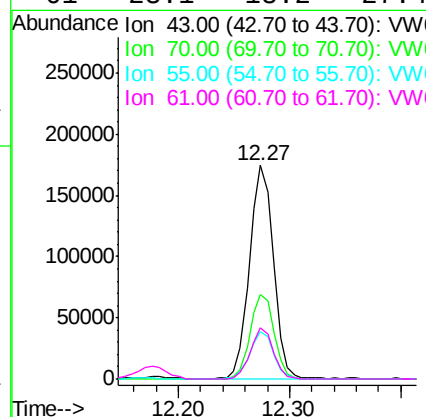
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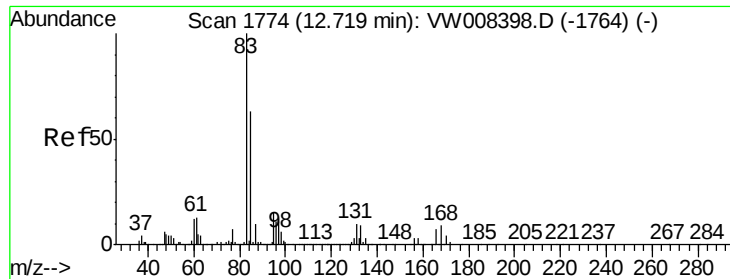
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#74
N-ethyl acetate
Concen: 48.909 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 43 Resp: 259315
Ion Ratio Lower Upper
43 100
70 40.1 31.0 46.6
55 21.7 17.4 26.2
61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.965 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

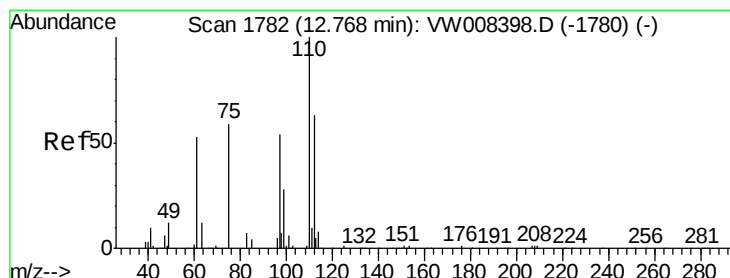
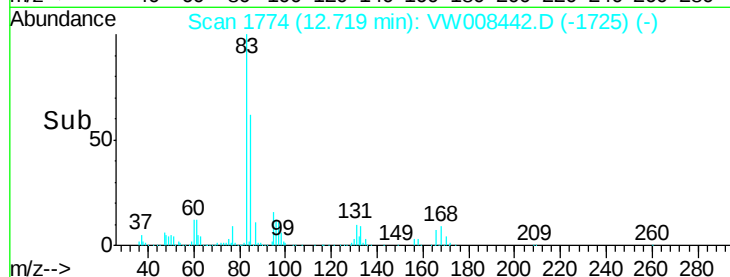
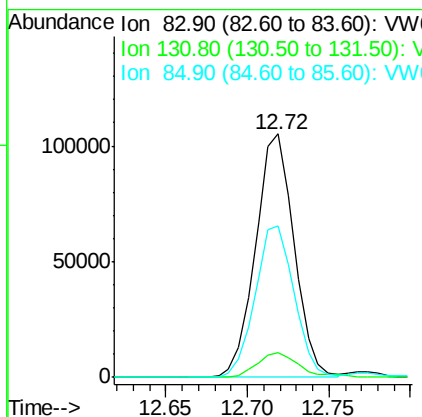
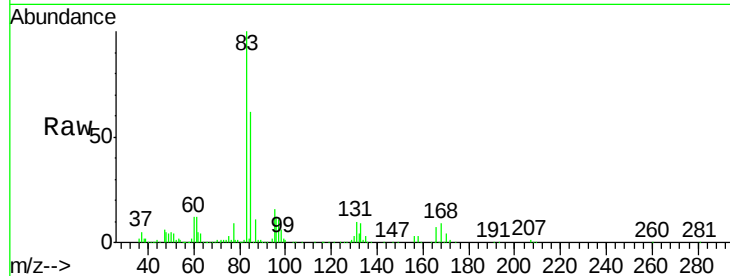
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172579
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	63.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.206 ug/l m

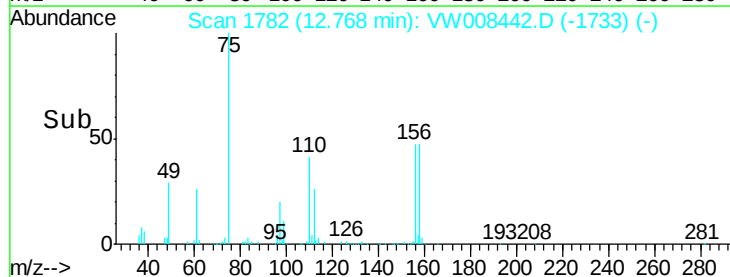
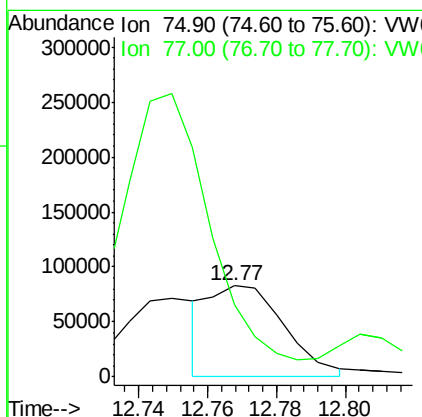
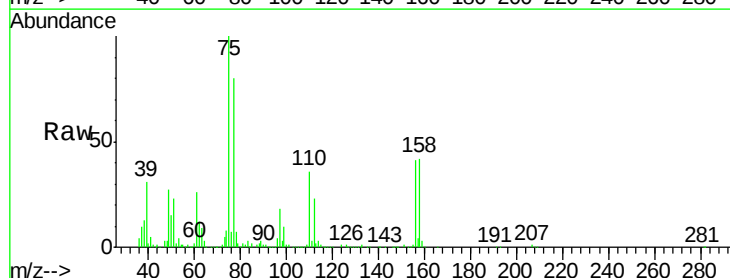
RT: 12.77 min Scan# 1782

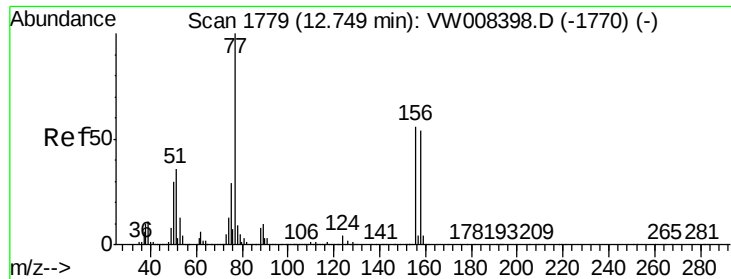
Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion:	75	Resp:	125303
Ion Ratio	Lower	Upper	
75	100		
77	378.2	180.7	542.1





#77

Bromobenzene

Concen: 58.679 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Instrument :

MSVOA_W

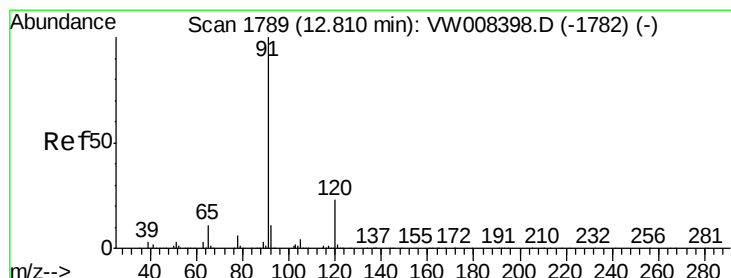
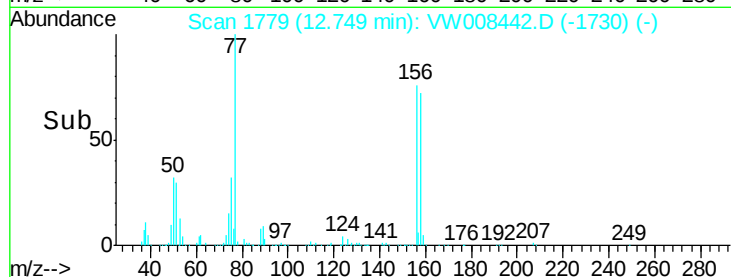
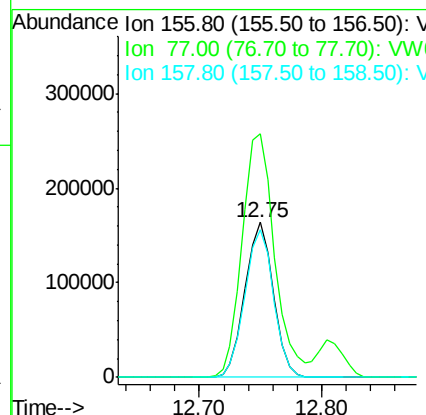
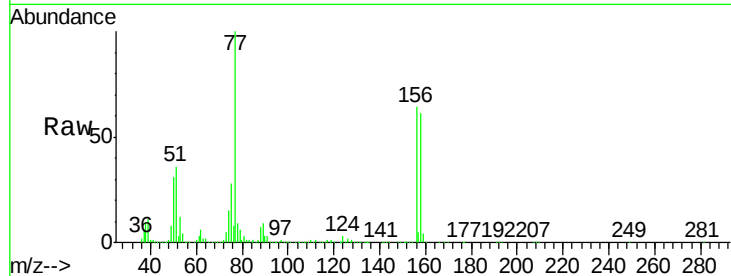
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	263744
Ion Ratio	Lower	Upper	
156	100		
77	179.7	96.9	290.7
158	96.9	48.8	146.4

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#78

n-propylbenzene

Concen: 58.243 ug/l

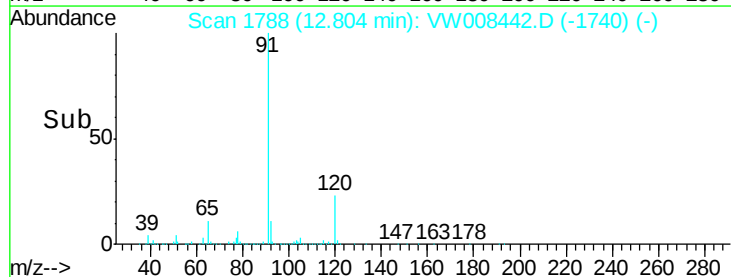
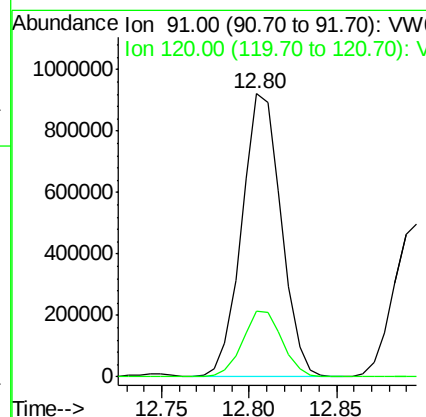
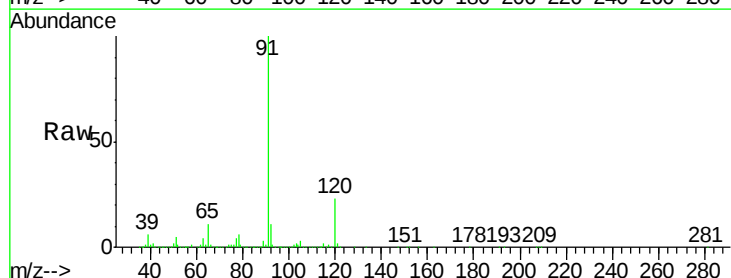
RT: 12.80 min Scan# 1788

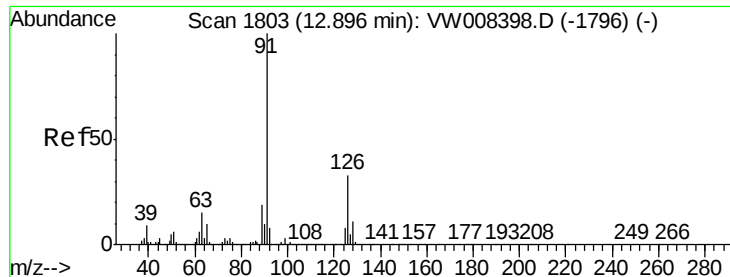
Delta R.T. -0.01 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion:	91	Resp:	1439710
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.4	34.1





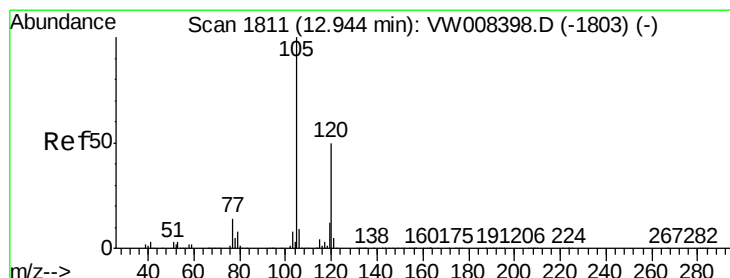
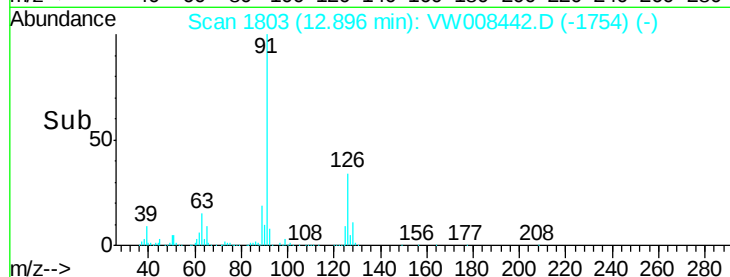
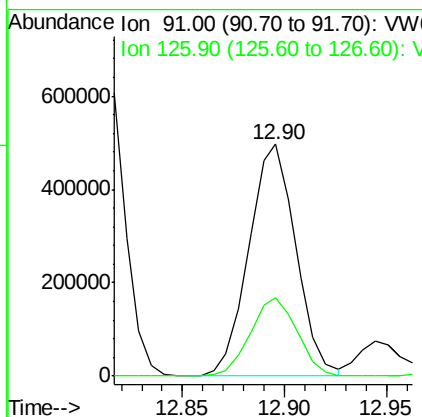
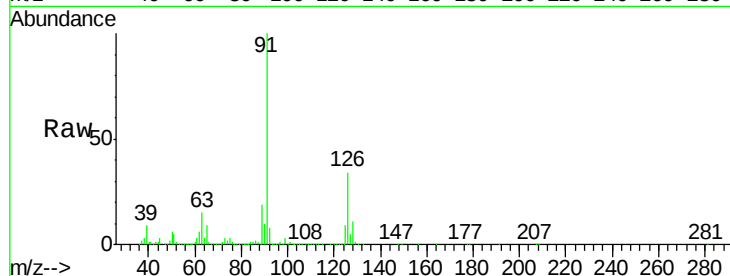
#79
2-Chlorotoluene
Concen: 57.056 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 795860
Ion Ratio Lower Upper
91 100
126 33.9 16.5 49.5

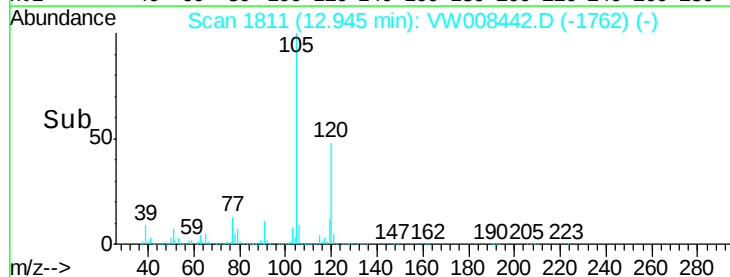
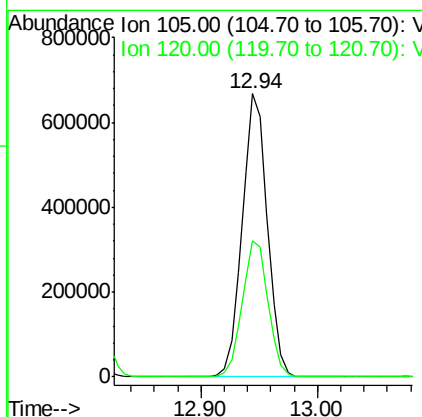
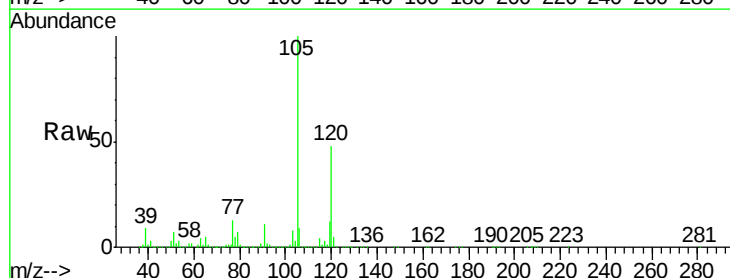
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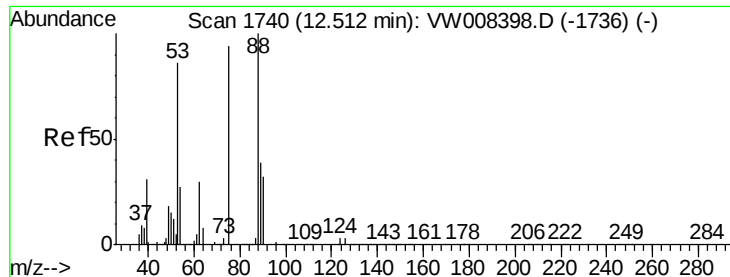
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#80
1,3,5-Trimethylbenzene
Concen: 58.326 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion: 105 Resp: 1003326
Ion Ratio Lower Upper
105 100
120 49.3 24.6 73.8





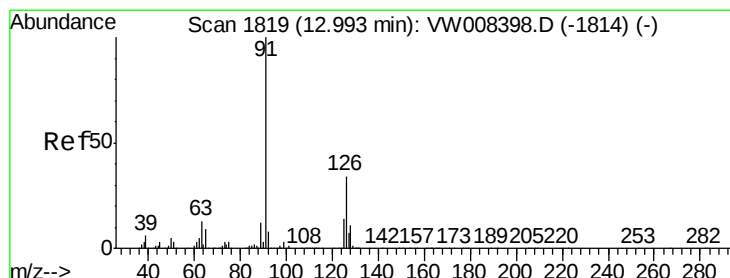
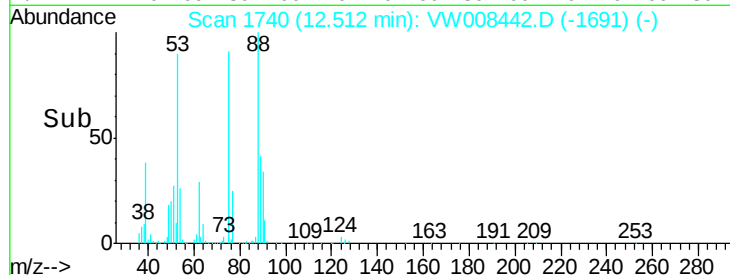
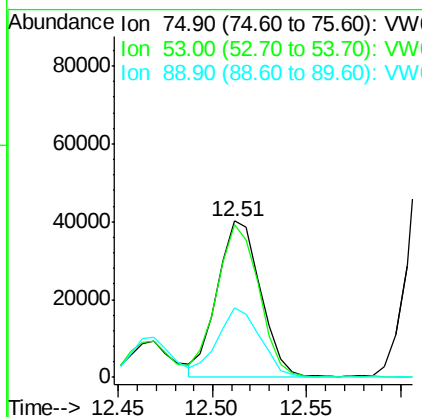
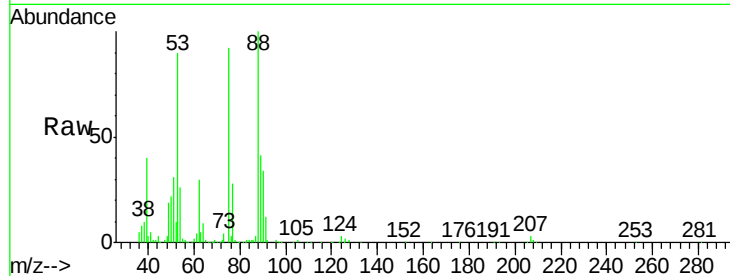
#81
trans-1,4-Dichloro-2-butene
Concen: 52.307 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	76.0	114.0
89	44.7	35.4	53.0

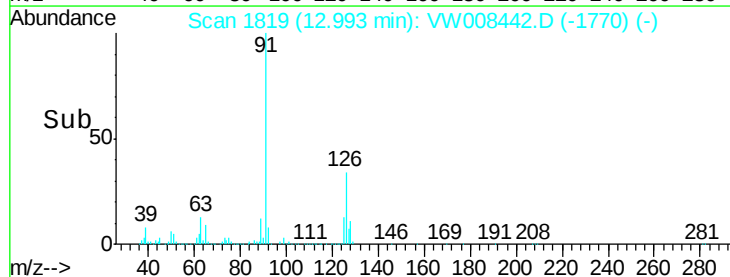
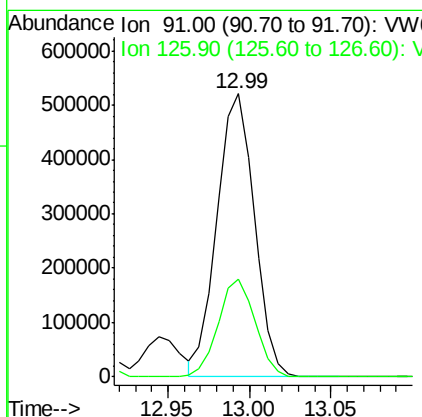
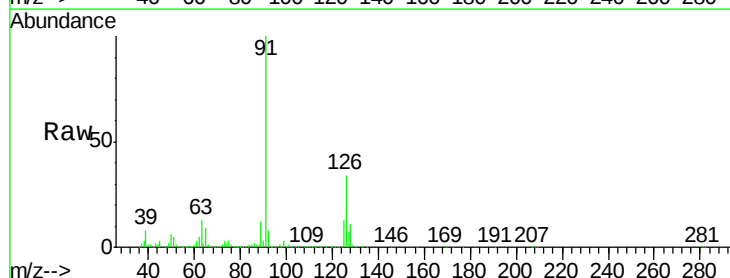
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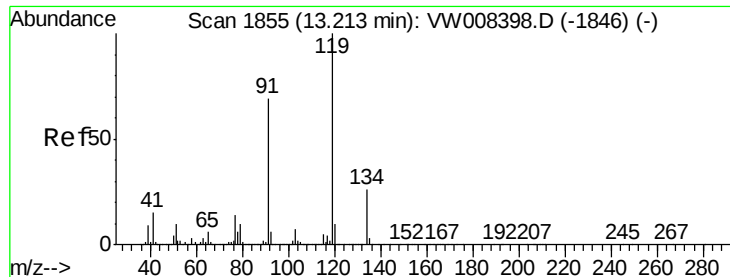
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#82
4-Chlorotoluene
Concen: 56.098 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.4	49.2





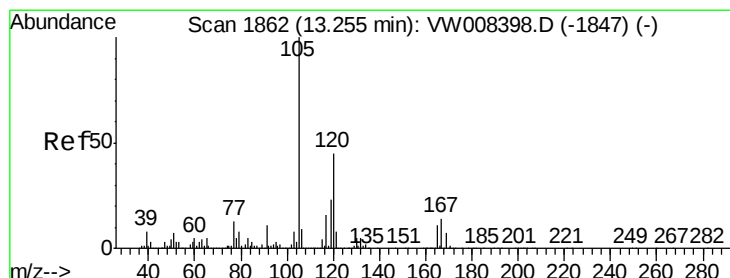
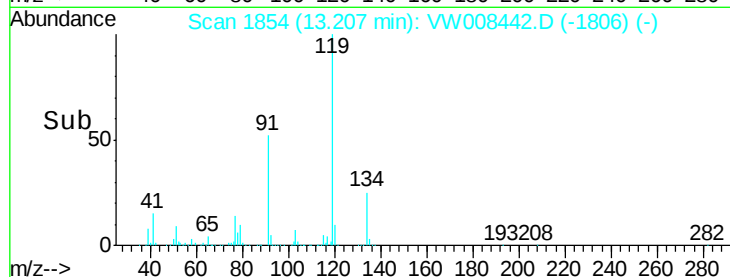
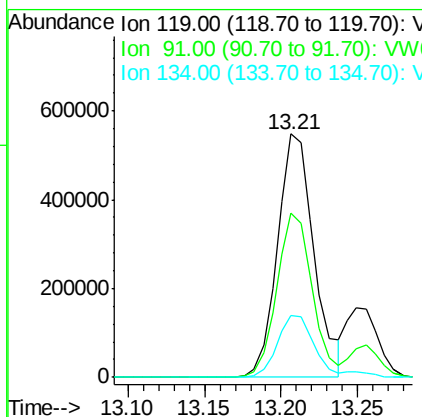
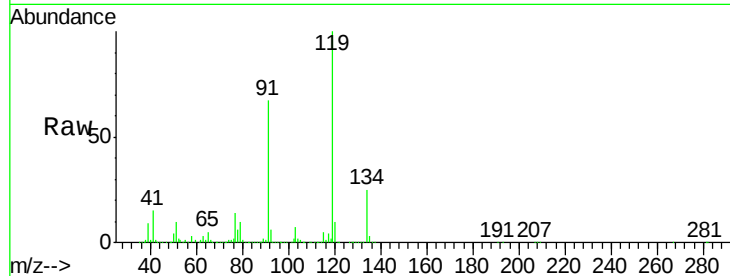
#83
tert-Butylbenzene
Concen: 59.337 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	33.8	101.4
134	26.9	13.5	40.4

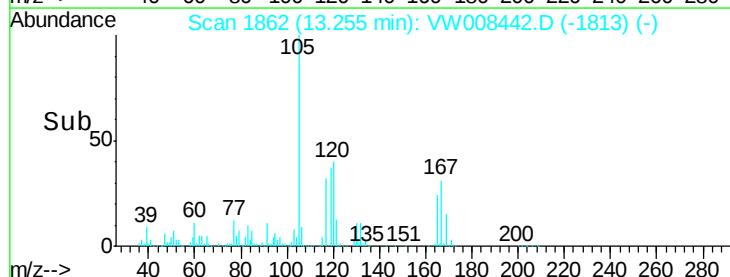
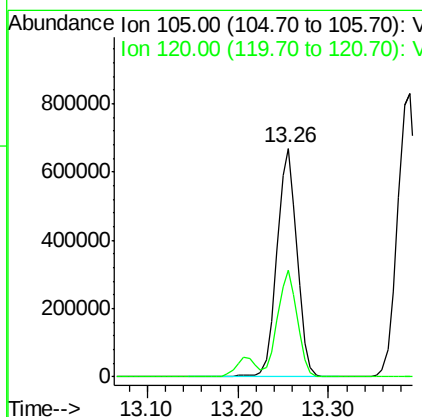
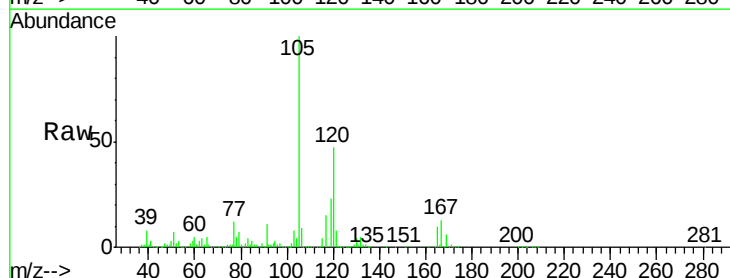
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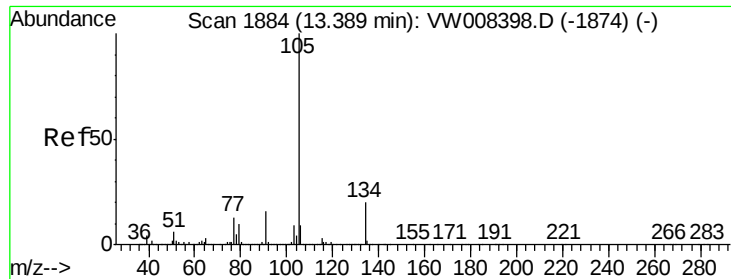
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#84
1,2,4-Trimethylbenzene
Concen: 58.134 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





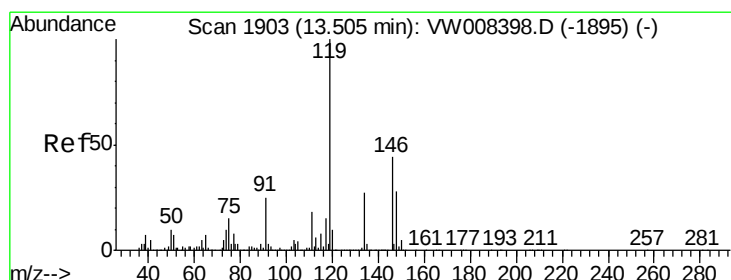
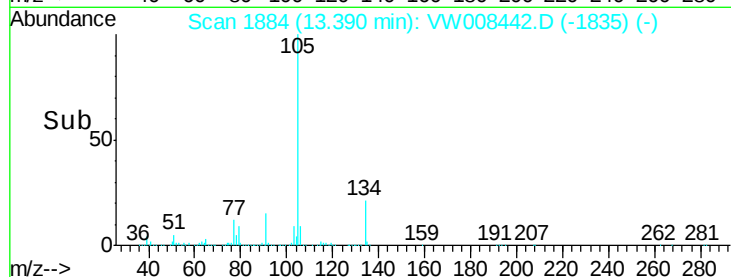
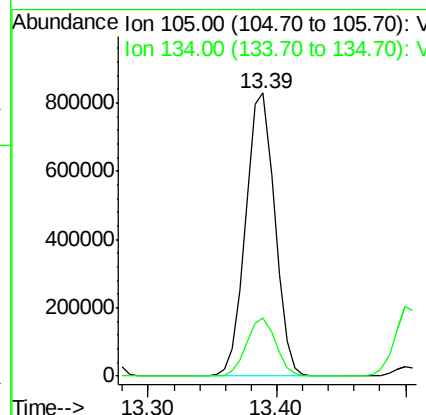
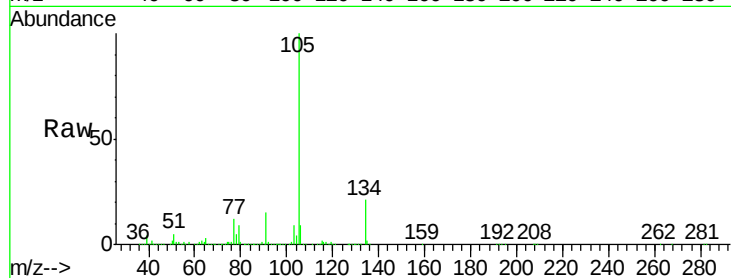
#85
 sec-Butylbenzene
 Concen: 58.890 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1287434
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.2 30.6

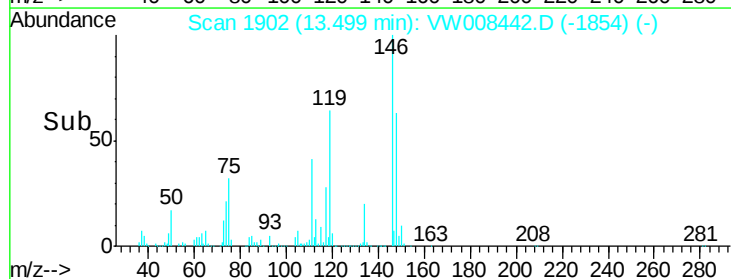
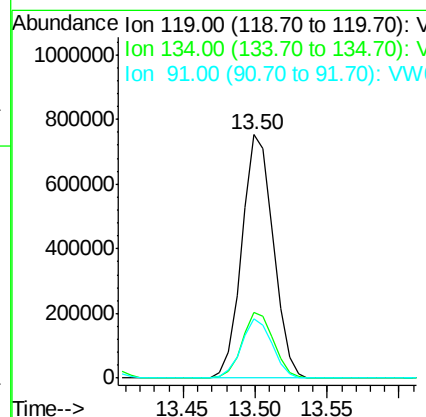
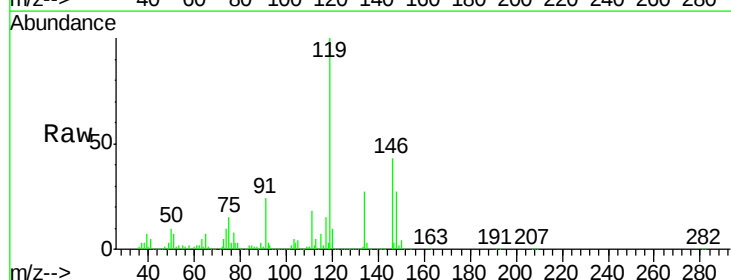
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#86
 p-Isopropyltoluene
 Concen: 59.321 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion:119 Resp: 1135985
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 24.0 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 58.469 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008442.D

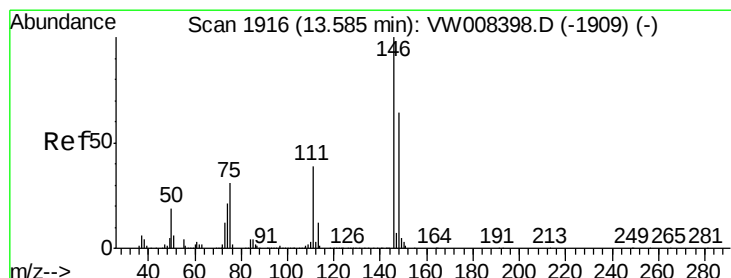
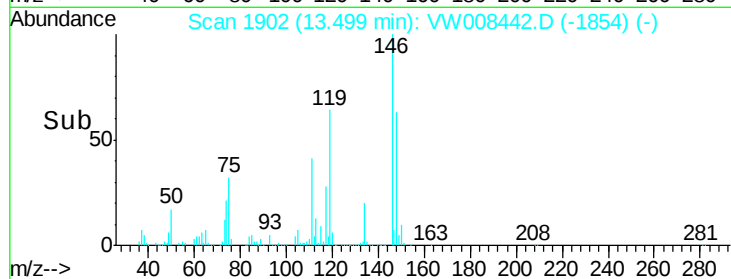
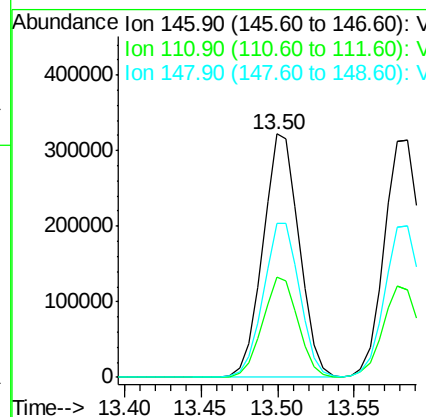
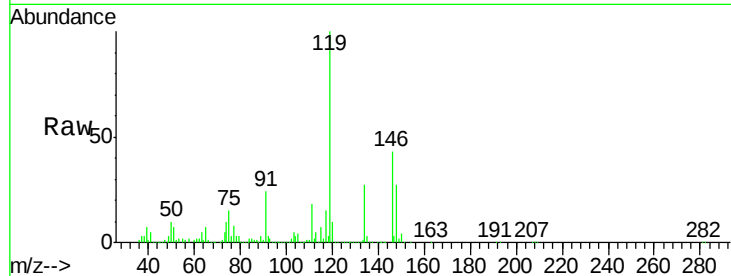
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.9
148	63.5	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 57.666 ug/l

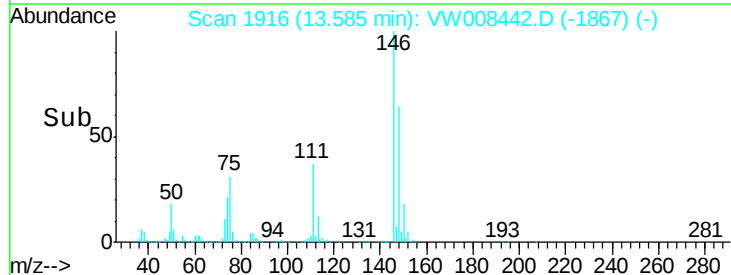
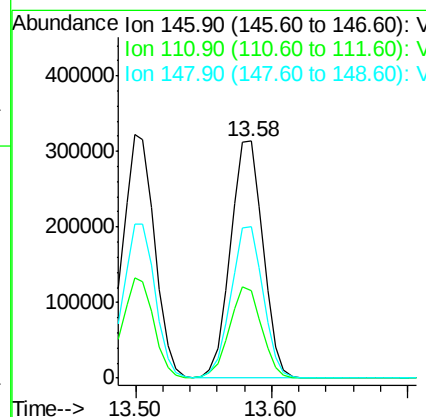
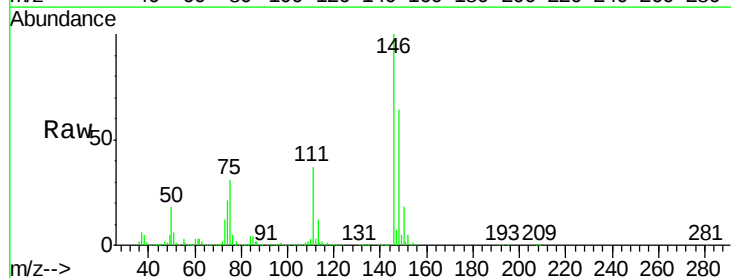
RT: 13.58 min Scan# 1916

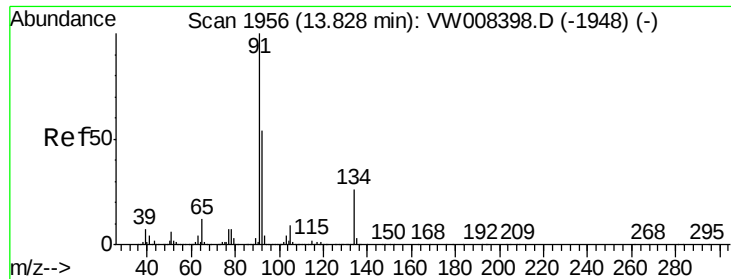
Delta R.T. 0.00 min

Lab File: VW008442.D

Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.0	60.0
148	63.4	32.0	96.2





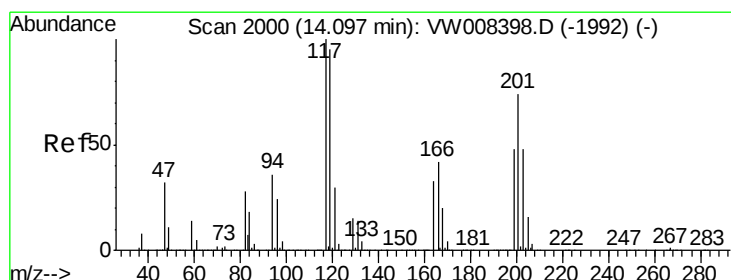
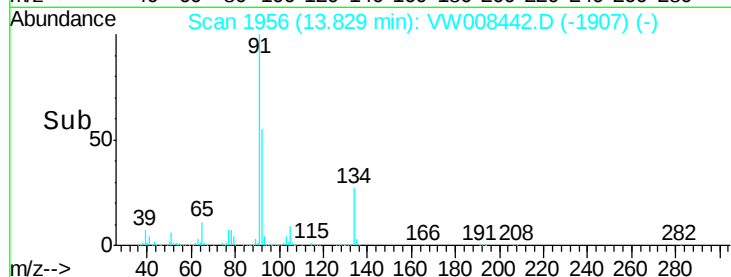
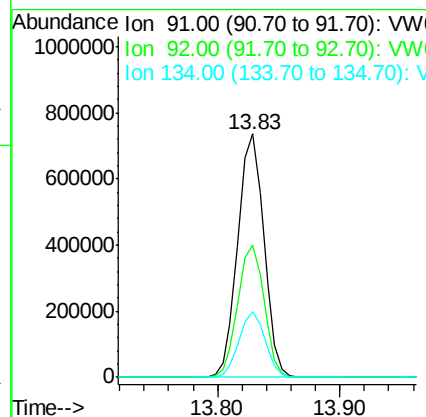
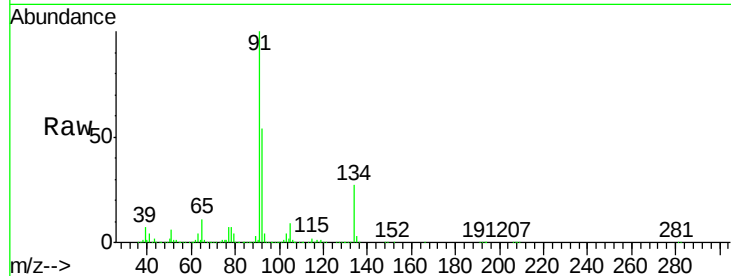
#89
n-Butylbenzene
Concen: 57.790 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.4	82.2
134	26.9	13.0	39.0

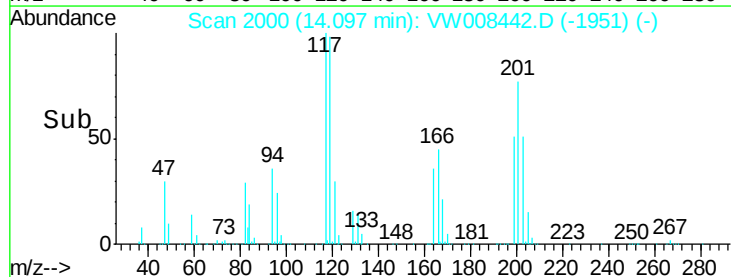
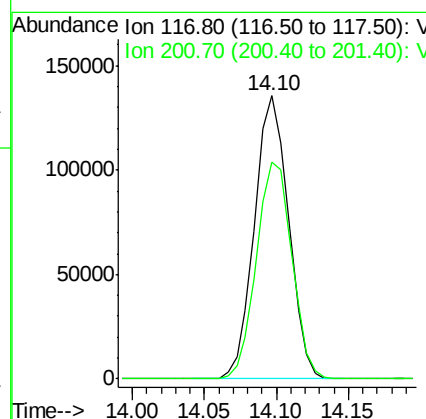
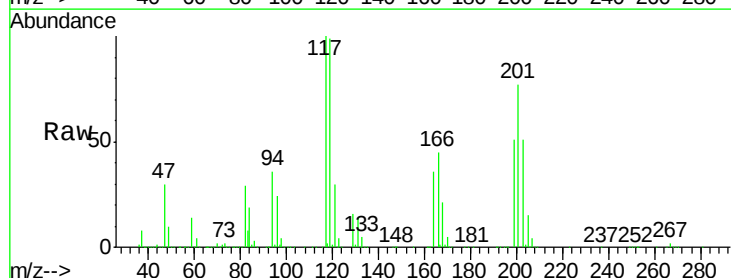
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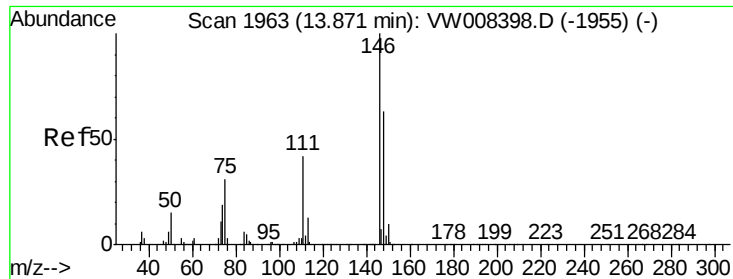
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#90
Hexachloroethane
Concen: 59.256 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.1	117.5





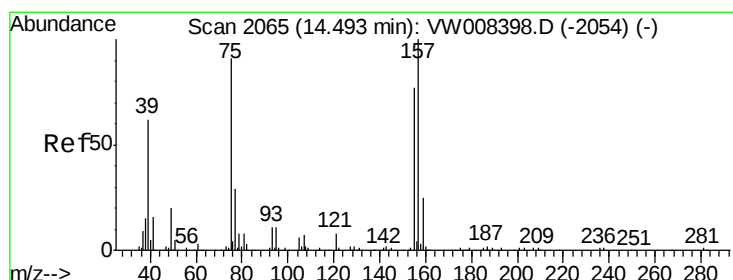
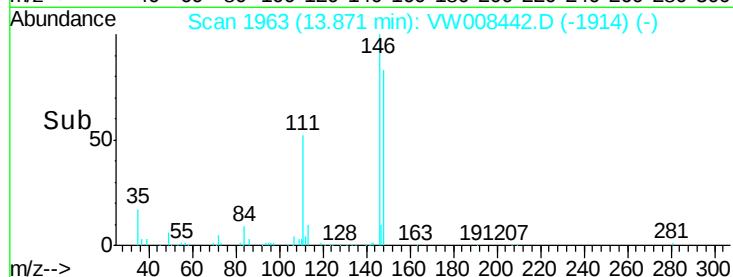
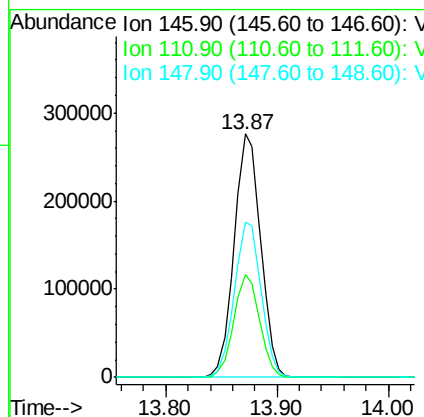
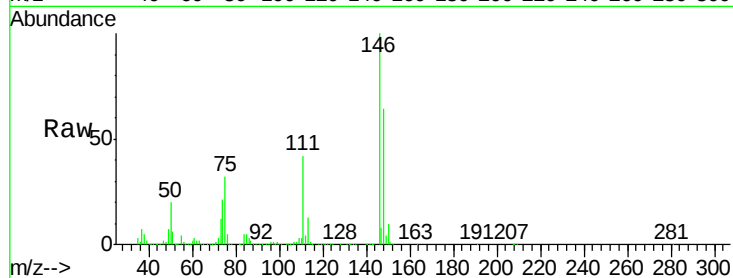
#91
 1,2-Dichlorobenzene
 Concen: 56.587 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.3
148	64.5	31.9	95.5

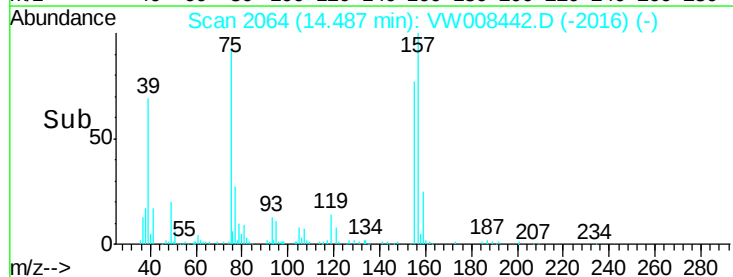
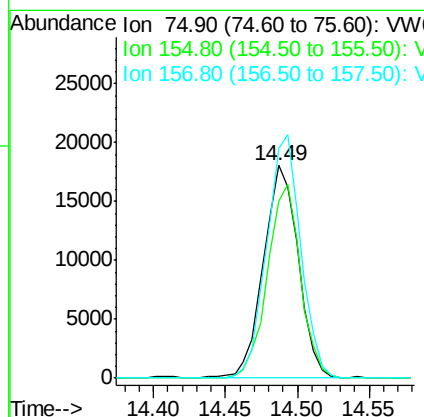
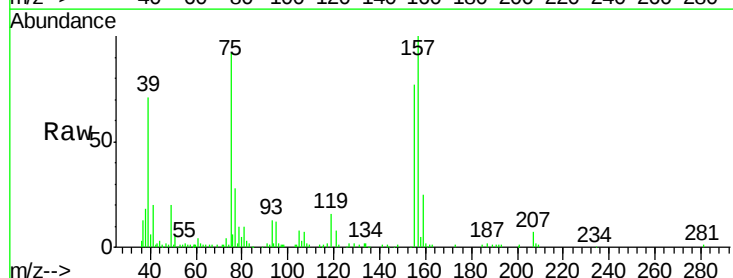
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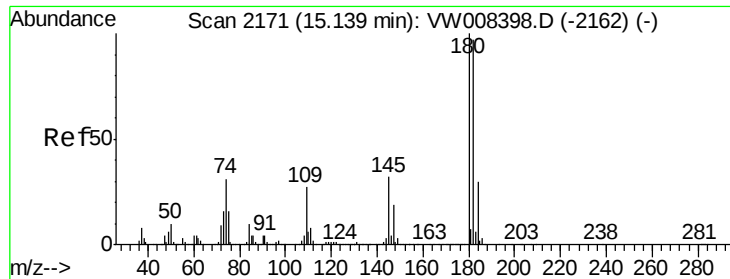
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.934 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	42.7	128.1
157	111.7	55.5	166.3





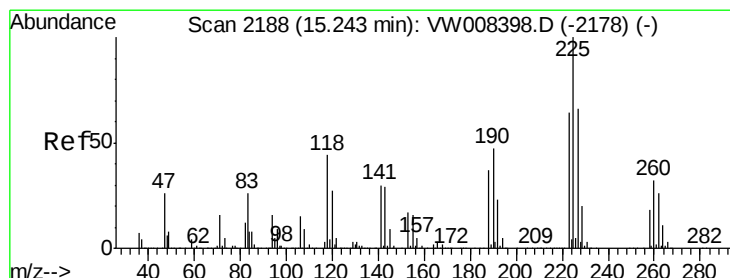
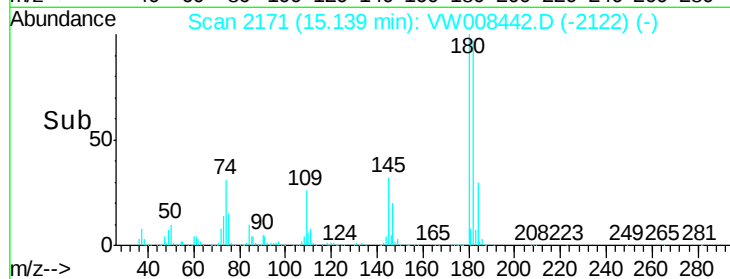
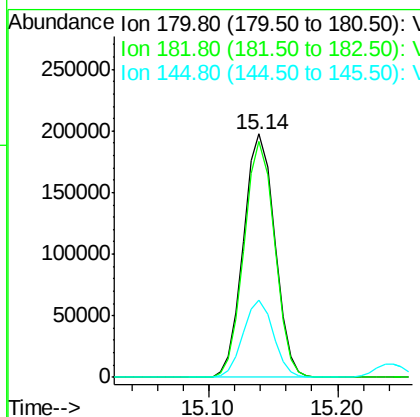
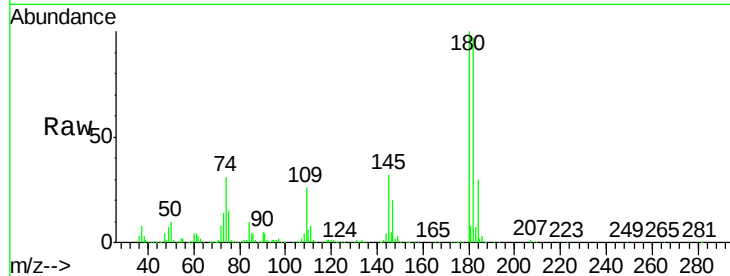
#93
 1,2,4-Trichlorobenzene
 Concen: 57.847 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	47.9	143.7	
145	30.8	15.5	46.5	

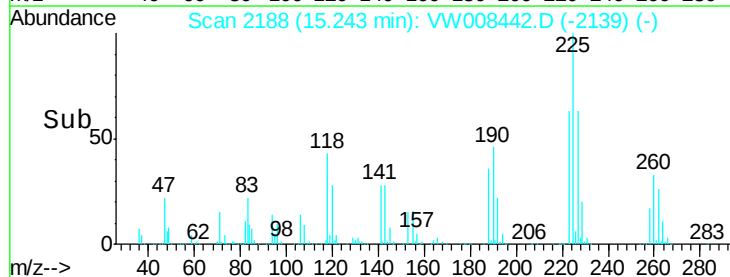
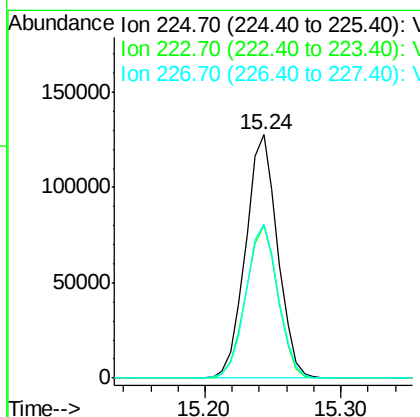
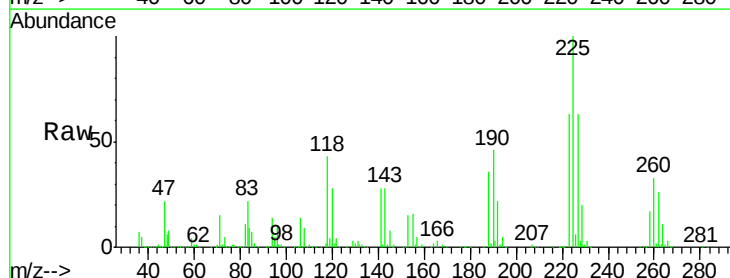
Manual Integrations
 APPROVED

MMDadoda
 1/30/2019 9:39:36 AM



#94
 Hexachlorobutadiene
 Concen: 60.768 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008442.D
 Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.7	95.1	
227	63.7	32.1	96.3	





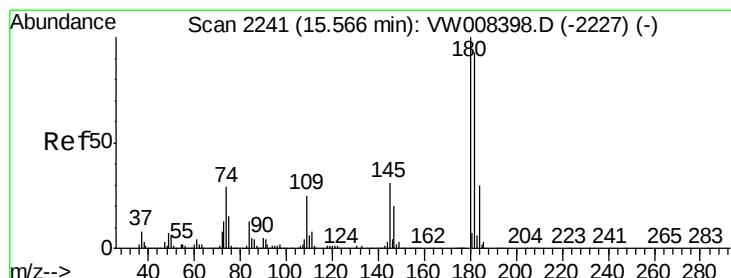
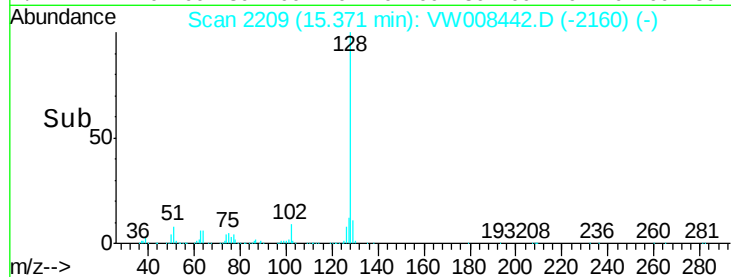
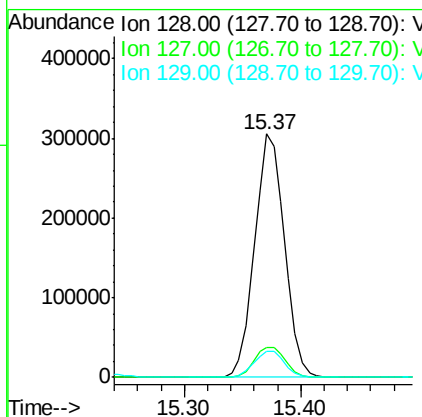
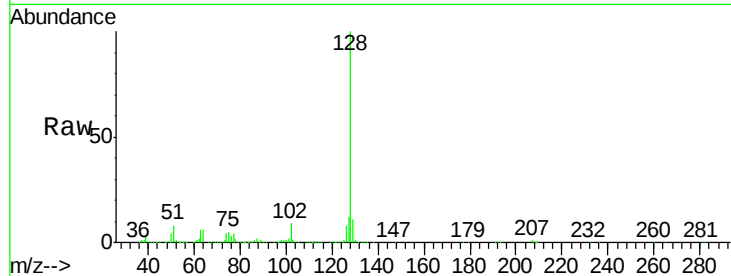
#95
Naphthalene
Concen: 54.308 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/30/2019 9:39:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 57.065 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008442.D
Acq: 29 Jan 2019 10:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.2
145	32.0	15.9	47.6

